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Cover Photo • 1946 Cessna 120
Owned by Michael Haas • Richmond, Virginia

Univair Aircraft Corporation

Since 1946 we've been working to keep you flying!

At Univair, our goal is to keep the older models and "classic" aircraft in the air. To accomplish that goal, we have one of the largest production facilities outside of the current model airframe manufacturers. In our 79-year history, we have evolved into the largest manufacturer and supplier of classic aircraft parts and supplies in the world through our manufacturing, distribution, and publishing divisions.

Read about Univair's complete history online at www.univair.com/our-history/

Manufacturer

The manufacturing division of Univair Aircraft Corporation specializes in manufacturing replacement parts for out-of-production aircraft. Univair owns the Type Certificates for the Stinson 108 series, Ercoupe, Forney, Alon, and Mooney Cadet. Parts for other out-of-production aircraft including Aeronca, Bellanca, Champion, Citabria, Decathlon, Scout, Cessna 120 through 185, Luscombe, Piper J-3 through PA-22 and PA-25, and Taylorcraft are also manufactured in this 62,000 square foot facility under FAA-PMA parts manufacturing approval. Univair's diversity of product lines accounts for our motto: "All Parts for Some... Some Parts for All." Strict quality control and efficient use of our manufacturing capabilities allow us to offer customers quality products at reasonable prices.

Distributor

Univair's distribution division specializes in selling our manufactured items as well as brand-name supplies and materials. We are here to provide you with high quality parts and supplies. Our knowledgeable and helpful sales staff is able to help you, whether you are a large sales or service organization or the individual owner/operator. You can maintain your aircraft at a price you can afford with Univair as your single source of parts and supplies.

Publisher

Univair's in-house print shop fulfills an important function in the aviation industry by publishing many previously out-of-print service manuals, owner's manuals, and parts catalogs for out-of-production planes. These manuals are printed on digital printers and then bound with durable covers.

Let us serve you!

Univair is as near as your phone, fax, mailbox or email. You will find our sales personnel knowledgeable, efficient, and courteous and our service unmatched in the industry. Our business hours are 7:30 a.m. to 4:30 p.m. Mountain Time, Monday through Friday. Give us the opportunity to serve you!

Univair Offers Free Shipping on Qualifying Orders

FREE GROUND SHIPPING U.S. ORDERS OVER $300

FREE MOTOR FREIGHT U.S. ORDERS OVER $3,000

Free Ground Shipping Qualifications

Univair will prepay ground shipping charges on orders that meet the following qualifications:

- Product total must equal $300.00 or more
- Ship to address in the lower 48 contiguous United States
- Ship to address in Alaska if it meets the minimum $300.00 threshold, fits into a USPS Flat Rate Box (maximum 12 x 12 x 5" box), and does not exceed 70 lb
- Ground shipping only – Univair chooses the carrier (FedEx, UPS or USPS)
- Complete or partial orders over the $300.00 threshold will receive free ground shipping
- Large and/or bulky items (including items that require wood crates) will be shipped via Motor Freight and are excluded from Univair's Free Ground Shipping Promotion but will rather fall under Univair's Free Motor Freight Promotion guidelines instead. (See also "Exclusions to Free Shipping Promotions" below.)
- Items going Ground that exceed 84" in girth and do not fall under Motor Freight requirements are considered oversized packages and will incur a $30.00 flat rate oversize shipping charge per oversize package.

Free Motor Freight Qualifications

Univair will prepay the shipping charges for large orders that must be shipped via motor freight and meet the following qualifications:

- Product total must equal $3,000.00 or more
- Ship to address in the lower 48 contiguous United States
- Complete or partial orders over the $3,000.00 threshold will receive free motor freight shipping; backorder items are shipped at customer's expense
- Order ships via truck freight or cheapest method as determined by Univair

Exclusions to Free Shipping Promotions

The following conditions may disqualify all or part of your order from the Free Ground Shipping/Free Motor Freight promotions:

- Orders delivered to international addresses do not qualify
- Orders to Alaska that don't fit into a USPS Flat Rate Box (12 x 12 x 5") do not qualify
- Backorder items from partial orders will be shipped at customer's expense
- Aircraft frames, wings, tail sections, and top decks do not qualify for any free shipping method; customer pays full shipping charges on these items
- Crated items, hazardous materials, cleaners, hydraulic fluid, batteries, windshields, tubing, raw materials/blank skins, and most oversize items are excluded from the $300 Free Ground Shipping offer but qualify for Free Motor Freight if the order is over $3,000
- Items that exceed 84" girth are considered oversized packages and will incur a flat rate oversize shipping fee of $30.00 per each oversize package
- Premium delivery services (Next Day, Second Day, Third Day, Express Mail, etc.) will be paid in full by customer
- Special handling and crate fees, when applicable, will be added to the order and paid by customer
- Free shipping promotions cannot be combined with any other discounts
- Distributor accounts do not qualify

Canceling items, combining or splitting orders, or changing your shipping address, delivery speed or carrier might affect your order's free shipping eligibility.

Qualifications and exclusions to the above shipping offers are subject to change at Univair's discretion without notice.

AERONCA • CHAMPION • CITABRIA

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Many parts can be correctly identified by the nomenclature listed in this section. However, we suggest that you also have the correct parts manual for positive identification.

Manuals

Description	Part #	Price
Aeronca 7AC Service Manual	7ASM	**$24.82**
Aeronca 7EC/FC Service Manual	7ESM	**$39.23**
Aeronca 11AC Service Manual	11SM	**$25.62**
Citabria Parts Manual, '64-'73	7EPM	**$50.69**
Citabria Parts Manual, '74-'79	7CPM	**$28.74**
Citabria Service Manual	7CSM	**$27.84**
Citabria Owners Manual, pre-'75	7EWM	**$28.02**
Citabria Owners Manual, '75-'77	7CWM	**$20.01**
Decathlon Parts Manual	8DPM	**$28.74**
Decathlon Service Manual	8DSM	**$50.69**
Decathlon Owners Manual	8DWM	**$22.33**
Scout Parts Manual	8SPM	**$28.74**
Scout Service Manual	8SSM	**$50.69**
Scout Owners Manual	8SWM	**$16.01**

Visit our website to browse our full line of Aeronca parts and supplies

Control System

Description	Part #	Price
Rudder Pedal Return Spring	U1-769	**$28.22**
Pushrod	U1-2341	**$186.20**
Torque Control Tube	U1-2383	**$139.94**
Shear Plate	U1-2394	**$10.72**
Rudder Trim Fairlead Pulley	U1-2395	**$18.42**
Cable Fairlead Half (2 required for 1 fairlead)	U1-2396	**$36.52**
Rudder Pedal Bearing Tube	U1-2411	**$28.92**
Rear Rudder Pedal Spring	U1-2568	**$61.91**
Aileron Control Sector Guard	1-2573	**$7.76**
Front Brake Cable Housing, Left	U1-2578	**$78.21**
Bearing Block	U1-2599	**$101.81**
Rudder Cable Pulley Bushing	U1-2636	**$28.51**
Tail Surface Hinge Pin Bushing (¼" ID)	U1-3737	**$8.28**
Tail Surface Hinge Pin Bushing (3⁄16" ID)	U1-3737-1	**$5.07**
Throttle Control Arm	U2-715	**$149.08**
Control Stick Boot	U2-750	**$38.64**
Aeronca/Citabria Torque Tube	U2-816	**$203.00**
Torque Arm	U2-817	**$422.42**
Rudder Pedal	U3-448	**$172.29**

Control Cables

- See website for aircraft applicability
- Cables are priced and sold individually

Description	Part #	Price
Throttle Control, 60.0"	U1-670-2	**$276.07**
Throttle Control, 54¾"	U1-670-3	**$276.07**
Short Aileron Cable, 35.5", Galvanized	U1-2397	**$63.46**
Stainless Steel	U1-2397S	**$94.48**
Long Rudder Cable, 168.69", Galvanized	U1-2364	**$169.63**
Stainless Steel	U1-2364S	**$171.17**
Short Rudder Cable, 28.75", Galvanized	U1-2280	**$136.31**
Stainless Steel	U1-2280S	**$188.85**
Aileron Control Cable, 104.03", Galvanized	U1-2339	**$126.65**
Stainless Steel	U1-2339S	**$159.37**
Brake Cable and Housing Assembly	1-2358	**$155.73**
Brake Cable, 113.5", Galvanized	U1-2358-2	**$74.01**
Stainless Steel	U1-2358-2S	**$101.16**
Front Brake Cable Housing, Left	U1-2578	**$78.21**
Down Elevator Cable, 141.88", Galvanized	U2-686	**$200.21**
Stainless Steel	U2-686S	**$229.08**
Citabria Down Elevator Cable, 144 7⁄16", Galvanized	U2-1534	**$230.60**
Stainless Steel	U2-1534S	**$212.90**

Trim Cable, 172.13", Galvanized ..... U2-698 ..... **$110.72**
Stainless Steel ..... U2-698S **$124.08**
Elevator Up Cable, Long Section: 122.38", Short Section: 19.0"
Galvanized Steel ..... U3-471 ..... **$435.78**
Stainless Steel ..... U3-471S **$434.67**
Rudder Cable, 182.875", Galvanized ..... U1-2496-2 ..... **$87.43**
Rudder Cable, 184.1875", Galvanized ..... U1-2496-3 ..... **$87.43**
Brake Cable, 72.0" ..... U2-776-2 ..... **$132.83**
Aileron Cable, 103.75" ..... U2-777 ..... **$102.65**
Trim Cable, 183 5/16", Galvanized ..... U2-1905 ..... **$98.37**
Stainless Steel ..... U2-1905S **$98.68**
Elevator Up Cable, Long Section: 134.3125", Short Section: 8.9375"
Galvanized ..... U3-1072 ..... **$432.63**
Stainless Steel ..... U3-1072S **$460.85**

Engine

Aeronca Baffles

Baffle, Crankcase (Champion)
- Aeronca 11B, 11C, 7DC
- FAA-PMA approved

U4-742 ..... **$63.97**

Baffle (L-16 A/B)
- Applicability: Aeronca L-16-85

7-582 ..... **$140.47**

Baffle (L-16 A/B)

7-583 ..... **$140.47**

All-Aluminum Cowling

- Applicability: Aeronca 7AC/11AC

Nose Cowl ..... U4-576 ..... **$2,485.09**
Fuselage Cowl (7AC only) ..... U7-466 ..... **$1,068.32**
Top Cowl ..... U7-473 ..... **$606.29**
Bottom Cowl ..... U7-472 ..... **$558.38**

Engine Mounts

FAA-PMA APPROVED

Continental Engine
7AC/11AC ..... U4-585 ..... **$952.65**
7EC/7FC ..... U4-884 ..... **$879.50**

Lycoming Engine
7ECA, 7GCAA, 7GCBC ..... U4-1033 ..... **$2,036.90**
7KCAB ..... U4-1033-10 ..... **$751.74**

Air Induction Tube

FAA-PMA APPROVED

U7-1475-4 ..... **$37.41**

Exhaust System

FAA-PMA APPROVED

- Applicability: Aeronca 7AC/11AC
- Stacks are metalized – coated with pure aluminum sprayed at 6800°F for increased life of the stacks

Left Stack ..... U7-485 ..... **$634.54**
Right Stack ..... U7-486 ..... **$584.86**
Heat Muff ..... U3-478/479 ..... **$363.72**

Carburetor Air Boxes

FAA-PMA APPROVED

- Applicability: Citabria, Decathlon, Scout
- Top of air box is NOT included

Citabria/Decathlon ..... U3-1546 ..... **$708.42**
Scout (shown) ..... U3-1546-1 ..... **$693.72**

- Applicability: Aeronca 7AC, 11AC
- Air filter included

Carburetor Air Box
Includes Air Filter ..... U4-601-1 ... **$1,091.20**
Air Filter Only ..... U2-849 ..... **$161.47**

Air Filter

- Applicability: 1974 and later 7GCAA, 7GCAB, 7GCBC, 7ECA
- Supersedes part numbers P10-4145 and 0750038-4

Air filter ..... P10-6150 ..... **$166.69**

Fuel System

Gascolator Support

2-727 ..... **$51.11**

Fuel Gauge Bezel

FAA-PMA APPROVED

For Citabria ..... U3-1389 ..... **$127.60**

Fuel Vent Deflector

FAA-PMA APPROVED

• Applicability: Aeronca 7ECA, 7GCAA, 7GCBC, 7KCAB

U3-1508 ..... **$92.63**

Frame

Description	Part #	Price
Eyelet Bushing (Short)	276D	**$0.48**
Strut and Landing Gear Fitting	1-2263	**$29.08**
Strut and Landing Gear Fitting	U1-2264	**$51.81**
Front Landing Gear Plate	1-2265	**$1.99**
Front Landing Gear Fitting	U1-2266	**$51.47**
Landing Gear Center Fitting	U1-2326	**$46.43**
Fairing	U1-9803	**$16.65**
Forward Window Strip	2-931-R	**$37.40**
Brace	2-950	**$250.15**
Auxiliary Bulkhead	2-2046	**$13.40**
Retainer	4-611	**$78.59**
Fairing Blank	4-1475-B	**$63.12**
Fuselage Bulkhead	U4-1541	**$30.16**
Fuselage Cowl	U7-466	**$1,068.32**
Wrap-Around Cowl (left and right cowls included)		
7EC/FC, 7ECA	7-509-6	**$1,218.76**
1974 and later Citabria	U7-1472	**$1,218.89**

Landing Gear

Description	Part #	Price
Oleo Spring Retainer	U1-316	**$48.51**
Oleo Piston	U1-318	**$112.12**
Packing Gland	U1-319	**$47.89**
Tailwheel Fitting	U1-555	**$95.98**
Tailspring Pad	U1-557-1	**$12.09**
Tailspring Pad	U1-557-2	**$10.95**
Oleo Housing	U1-2253	**$254.40**
Piston Rod	U1-2255	**$152.43**
Strut and Landing Gear Lug	U1-2264	**$51.81**
Retainer	U1-2980	**$36.84**
Bushing	U1-2981	**$17.04**
Packing Gland	U1-2982	**$54.77**
Spacer	U1-2983	**$59.75**
Lock Nut	U1-2984	**$85.41**
Fitting	U1-8854	**$120.52**
'U' Bolt, Tailspring	U1-10325	**$78.53**
'U' Bolt, Tailspring	U1-10589	**$112.37**
L-16 Brake Assembly	2-941	**$893.57**
Rod Assembly	U2-952	**$797.17**
Taxi Spring	U2-953	**$139.21**
Oleo Cap	U2-956	**$438.91**
Tailwheel Steering Spring	U2-1525	**$38.52**
Belleville Type Taxi Spring (use with U3-1207)	U2-1655	**$194.88**
Wheel Pant Plate, Left	U2-1945-L	**$77.44**
Right	U2-1945-R	**$77.44**
Wheel Pant Bracket	U2-1961	**$161.57**
Oleo Spring (use with U3-665)	U3-666	**$102.82**
Axle Strut Assembly	U4-1139	**$1,107.76**
7FC Nose Gear Cylinder	7-1-71	**$85.56**
Oleo Case Frame	U7-436-10	**$1,133.36**
Axle Strut	U7-451	**$1,203.44**
Oleo Case Frame	U7-1004-10	**$1,033.57**

Oleo Shock Strut

FAA-PMA APPROVED

Fits 7ECA, 7GCAA and 7GCBC

Oleo Shock Strut with High Energy Taxi Spring	U3-1207	**$1,425.62**
Oleo Shock Strut with Standard Spring	U3-665	**$1,292.19**
Spring only, for U3-665	U3-666	**$102.82**
Oleo Shock Strut, Fits 7AC and 11AC	U3-433-1	**$1,406.99**
Oleo Bushing	U3-433-22	**$16.11**
Oleo Piston	U1-318	**$112.12**
Oleo Strut Pin	U3-433-20	**$7.43**
Piston Rod	U1-2255	**$152.43**
Oleo Housing	U1-2253	**$254.40**
Oleo Strut Packing	U1-2119	**$28.46**
Oleo Spring	U1-2256	**$110.02**
Oleo Bushing	UASI-5028-1-22	**$22.31**
Spring Retainer	U1-316	**$48.51**

Tailwheel Springs

FAA-PMA APPROVED

7AC and 11AC

Complete Set	U3-428	**$219.75**
Main Leaf	U3-428-1	**$93.07**
Middle Leaf	U3-428-2	**$85.04**
Top Leaf	U3-428-3	**$58.35**

Citabria/Decathlon (Short)

Complete Set	U3-1543-S	**$249.54**
Main Leaf, Short	U3-1543-1	**$121.07**
Middle Leaf, Short	U3-1543-2	**$80.17**
Top Leaf, Short	U3-1543-3	**$74.56**

Scout (Long)

Complete Set	U3-1543-L	**$289.55**
Main Leaf, Long	U3-1543-4	**$125.82**
Middle Leaf, Long	U3-1543-5	**$80.82**
Top Leaf, Long	U3-1543-6	**$75.87**

Oleo Bushing

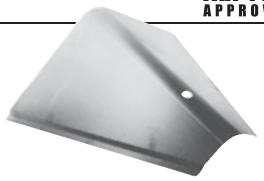
FAA-PMA APPROVED

For inside Oleo case..... U1-2565 ..... **$63.81**

Aluminum Oleo Cover

FAA-PMA APPROVED

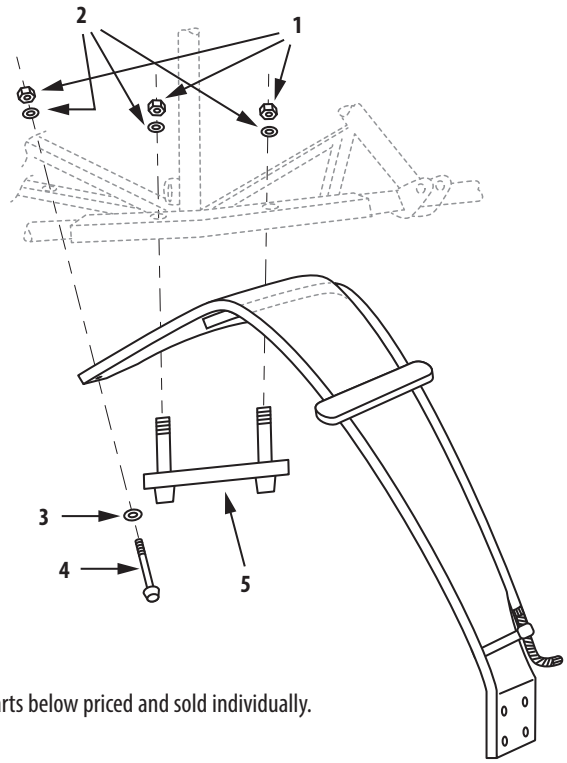
- Applicability: Aeronca 7EC, 7FC, 7ECA, 7GCAA, 7GCBC
- Aluminum fairing



U4-10000..... **$79.16**

Landing Gear Attach Hardware

FAA-PMA APPROVED



All parts below priced and sold individually.

Citabria and Decathlon

1) Nut (6 required)..... SPS42FW720 ..... **$18.90**
2) Plain Washer (6 required)..... MS20002-7 ..... **$0.30**
3) Countersunk Washer (2 required)..... MS20002C7 ..... **$0.20**
4) Internal Wrenching Bolt (2 required)..... MS20007-32 ..... **$24.72**
5) 'U' Bolt..... U1-9805A **$310.73**
Hardware Kit for Citabria/Decathlon (includes all hardware above except the 'U' Bolts)..... ASK-1 ..... **$360.43**

Scout

1) Nut (6 required)..... SPS42FW720 ..... **$18.90**
2) Plain Washer (6 required)..... MS20002-7 ..... **$0.30**
3) Countersunk Washer (2 required)..... MS20002C7 ..... **$0.20**
4) Internal Wrenching Bolt (2 required)..... MS20007-28 ..... **$24.60**
5) 'U' Bolt (new style)..... U1-10376A **$217.81**

Landing Gear 'U' Bolts

FAA-PMA APPROVED

- Hardware required – see illustration below left

Citabria/Decathlon..... U1-9805A **$310.73**
Scout (New Style)..... U1-10376A **$217.81**

Oleo Case Frame

FAA-PMA APPROVED

- Uncovered

7AC and 11AC Series ..... U7-436-10..... **$1,133.36**
Early Citabria..... U7-1004-10..... **$1,033.57**

Landing Gear Axle Assemblies

FAA-PMA APPROVED

- Applicability: Aeronca and Citabria

Early Citabria Axle Strut..... U4-1139..... **$1,107.76**
Aeronca Axle Strut..... U7-451..... **$1,203.44**

Aircraft Ski Springs

STC APPROVED

- Atlee Dodge parts
- Applicability: Aeronca, Champion, Luscombe, Maule, Piper J-3 thru PA-22, Stinson, Taylorcraft
- Improves ski rigging tension in cold weather
- Use with tubular landing gear
- STC SA4624NM

Gold Color..... 2127 ..... **$249.00**
Silver Color..... 2097 ..... **$249.00**

Shock Cords

- Priced and sold individually
- High quality shock rings from Superior
- Manufactured from multiple rubber strands

15AC, S/N 1 to 329, Standard..... U31322-000 ..... **$67.88**
Cold Weather..... 1280-CW **$54.09**
15AC, S/N 330 and up, Standard..... 1286 ..... **$38.99**
Heavy Duty..... 1286HD **$71.48**

Propellers

Univair furnishes a bolt kit with each propeller purchase. Bolt kits can also be purchased separately from our website.

Propeller descriptions below show basic aircraft/engine model applicability. Check manufacturer's websites for exact applicability before purchasing, or contact our sales staff at 1-888-433-5433 and we can research it for you.

Please note that we do not stock all of the propellers listed. Non-stocked propellers require 4-6 months for delivery.

McCauley Aluminum Fixed-Pitch Propellers

7ECA, S7ECA, Continental O-200-A	ACM6948	**CALL**
7GCAA, 7GCBC, S7GBC, 7KCAB, Lycoming O-320	AGM7250	**CALL**
7GCAA, 7GCBC, S7GCBC, 7KCAB, Lycoming O-320	AGM7254	**CALL**
7ECA, 7GCBC, Lycoming O-235	ALM7246	**CALL**
7ECA, 7GCBC, Lycoming O-235	CLM7250	**CALL**
Bellanca 7 and 11 Series, Continental C-85	CM7142	**CALL**
7AC, S7AC, Continental A-65-8	CM7143	**CALL**
Bellanca 7 and 11 Series, Continental C-85	CM7144	**CALL**
Bellanca 7 and 11 Series, Continental C-85	CM7146	**CALL**
Bellanca 11BC, Continental C-85	CM7148	**CALL**
Bellanca 11BC, Continental C-85	CM7150	**CALL**
7CCM, S7CCM, S7EC, Continental C-90	CM7341	**CALL**
Bellanca 7 Series, Continental C-90	CM7343	**CALL**
Bellanca 7 Series, Continental C-90	CM7345	**CALL**
Aeronca SO-58B, Bellanca S11AC, Continental A-65	CM7441	**CALL**
O-58, 11AC, Continental A-65	CM7443	**CALL**
O-58B, 11AC, Continental A-65	CM7445	**CALL**
15AC Sedan, Continental C-145	DM7653	**CALL**
15AC Sedan, Franklin 6A4	DM7654	**CALL**
7GCA, 7GCB, 7KC, Lycoming O-320	GM7452	**CALL**
Champion 402, Continental O-200	MCM6948	**CALL**
15AC Sedan, Franklin 6A4	DM7649	**CALL**

Sensenich Aluminum Propellers

7ECA, Lycoming O-235	72CKS8-0-52	**$7,958.00**
S11AC, S65TC, SO-58D, S7AC, Continental C-65, A-65	74CK-0-40	**$5,884.50**
65TAC, L3, O58, YO58, 7AC, Continental C-65	74CK-0-44	**$5,884.50**
7AC, 11AC, 65TAC, L3, O58, YO58, Continental A-65	74CK-0-46	**$5,884.50**
65TL, 65TLA, 65LB, 65TAL, Lycoming O-145	74CK-2-36	**$5,884.50**
S11BC, S11CC, Continental C-85	74CK-2-40	**$5,884.50**
Bellanca 7DC, Continental C-85	74CK-2-42	**$5,884.50**
7BCM, 7DC, BC12D, 19, Continental C-85	74CK-2-44	**$5,884.50**
11BC, 11CC, 7BCM, Continental C-85	74CK-2-46	**$5,884.50**
Bellanca 7GC, Lycoming O-290	74DM6-0-50	**$8,155.80**
7GCA, 7GCB, 7GCBA, Lycoming O-320	74DM6-0-52	**$8,155.80**
7GC Series, 7HC, 7KC, Lycoming O-290, O-320	74DM6-0-57	**$8,155.80**
7GCAA, 7GCBC, 7KCAB, Lycoming O-320, IO-320	74DM6S8-1-52	**$8,266.20**
7GCAA, 7GCBC, 7KCAB, Lycoming O-320, IO-320	74DM6S8-1-56	**$8,266.20**
Bellanca 7 Series, Continental C-90	76AK-2-42	**CALL**
Bellanca 7 Series, Continental C-90	76AK-2-44	**CALL**
Bellanca 7 Series, Continental C-90	76AK-2-46	**CALL**
Bellanca 7 Series, Continental C-90	76AK-2-48	**CALL**

Sensenich Wood Propellers

Aeronca 7EC, 7CCM, Continental C-90	W72GK50-CUB	**$4,030.00**
L3, 65, 7, 11 Series, Continental A-65	W72CK42-SB	**$4,030.00**
7EC, 7CCM, Continental C-90	W72GK50-SB	**$4,030.00**
L3, 65 Series, Lycoming O-145	W70LY-34	**$3,995.00**
L3, 65 Series, Lycoming O-145	W70LY36	**$3,995.00**
L3, 65, 7, 11 Series, Continental A-65	W72CK42	**$3,995.00**
L3, 65, 7, 11 Series, Continental A-65	W72CK44	**$3,995.00**
L3, 65 Series, Franklin 4AC	W72F44	**$3,995.00**
Aeronca 7, 11 Series, Continental C-85	W72GK46	**$3,995.00**
Aeronca 7, 11 Series, Continental C-85	W72GK48	**$3,995.00**
Aeronca 7EC, 7CCM, Continental C-90	W72GK50	**$3,995.00**

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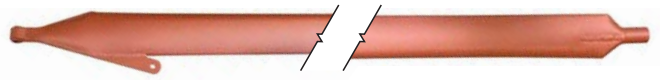
Struts

Lift Struts

FAA-PMA APPROVED

- New, improved steel struts
- Sealed and oiled to prevent internal corrosion
- Struts will be shipped via freight only



7AC Front Strut	UA-1000-2S	**$853.93**
Rear Strut	U5-268S	**$680.41**
11AC Front Strut	UA-1000-4S	**$882.45**
Rear Strut	UA-1000-1S	**$676.45**
Decathlon Front Strut, Left*	U5-368-L	**$1,257.31**
Front Strut, Right*	U5-368-R	**$1,257.31**
Decathlon Rear Strut	U4-1535S	**$704.03**
Scout Front Strut	U5-379	**$756.67**
Rear Strut	U5-382	**$704.92**
Aeronca 65CA and 65LB, Front Strut, Left	U4-255-L	**$3,024.92**
Front Strut, Right	U4-255-R	**$3,007.07**

* These struts are made of aluminum and are not sealed

Heavy Duty Front Strut — U5-392S — **$891.01**

- .049" wall tube
- Complies with AD 77-22-05
- Aeronca Models: 7AC, S7AC, 7BCM, 7CCM, 7DC, S7DC, S7CCM, S7EC, 7ACA
- Champion Models: 7EC, S7EC, 7FC, 7HC, 7JC, 7GC
- Citabria Models: 7ECA, 7GCA, 7GCB, 7KC, 7GCAA, 7GCBC, 7KCAB

Heavy Duty Rear Strut — U5-268S — **$680.41**

- Aeronca Models: 7AC, S7AC, 7BCM, 7CCM, 7DC, S7DC, S7CCM, S7EC
- Champion Models: 7EC, S7EC, 7FC, 7HC, 7JC, 7GC
- Citabria Models: 7ECA, 7GCA, 7GCB, 7KC, 7GCAA, 7GCBC, 7KCAB

Jury Struts

FAA-PMA APPROVED

Aeronca/Citabria
- Jury Strut Spreader ..... U1-2286 ..... **$176.66**
- Jury Strut, Front ..... U1-2314 ..... **$194.68**
- Jury Strut, Rear ..... U1-2315 ..... **$134.01**

Aeronca 11AC Jury Strut ..... U1-2460 ..... **$147.89**

Decathlon
- Jury Strut Spreader ..... 1-10106 ..... **$69.25**

Scout
- Jury Strut, Front ..... U1-10372 ..... **$98.15**
- Jury Strut, Rear ..... U1-10358 ..... **$70.05**
- Jury Strut Spreader ..... U1-10359 ..... **$52.04**

Bellanca Cruisair Retract Struts

FAA-PMA APPROVED

- Applicability: Bellanca Cruisair 14-13 and 14-13-2

Left ..... U7577-L **$1,208.20**
Right ..... U7577-R **$1,208.20**

Tail Section

Description	Part #	Price
Block	U1-2322	**$84.82**
Tail Surface Hinge Pin Bushing, 3/16" ID	U1-3737-1	**$5.07**
Dorsal Fin	7-792	**$1,099.98**
Elevator Horn Cover	U3-456	**$48.83**
Streamlined Tail Brace Wire, Lower	52-3002-259	**$119.93**
Streamlined Tail Brace Wire, Upper	52-3002-270	**$119.93**
Elevator Trim Tab	U4-562	**$547.51**
Trim Tab Plate	U1-2552	**$6.60**
Tail Surface Hinge Pin Bushing, 1/4" ID	U1-3737	**$8.28**
Citabria Rudder Rib	U4-1376-2	**$32.79**
Tailwheel Pin	U3257	**$10.86**

Aeronca 7AC/11AC Tail Surfaces

Elevator, Right ..... 4-543 ..... **$1,382.14**
Elevator, Left ..... 4-544 ..... **$1,039.29**
Rudder • FAA-PMA ..... U4-545 ..... **$918.12**

Citabria Rudder

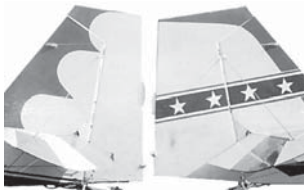
FAA-PMA APPROVED

- Applicability: 7ECA, 7GCAA, 7GCBC, 7KCAB, 8KCAB

Uncovered ..... U4-1376 ..... **$1,266.60**

Citabria Large Rudder

Gives you precision control for all aerobatic maneuvers. STC approved for the 7GCAA, 7GCBC and 7KCAB Citabria.



30-01 ..... **$1,937.52**

Stainless Steel Tail Brace Wires

FAA-PMA APPROVED

7AC, 7EC, 7FC: Upper and Lower
Citabria, Decathlon, Scout: Lower
1) Wire Only ..... U1-2340 ..... **$61.39**
2) Assembly ..... U3-1107-2 ..... **$151.96**

Citabria, Decathlon, Scout: Upper
3) Wire Only ..... U2-1745-4 ..... **$59.73**
4) Assembly ..... U2-1746-4 ..... **$140.00**

Aeronca Clevis Fork

FAA-PMA APPROVED

- 1/2" threads

U1-2543 ..... **$118.83**

Rudder Steering Arm

FAA-PMA APPROVED

U3-1619 ..... **$190.11**

Domed Inspection Plate

FAA-PMA APPROVED

- Ideal for replacing standard inspection plates that have a tendency to come off too easily
- 4 prongs
- Diameter: 4 7/8"

Top Bottom

U3-639 ..... **$49.20**

Tail Wire Lug

FAA-PMA APPROVED

U1-2357 ..... **$18.68**

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Windows • Windshields

Prices below are for clear windows and windshields only. See our website for prices and availability of Solar Gray and Green tinted versions. Univair does not stock all items listed below. Delivery time is 10 to 12 weeks for non-stock items.

Aeronca Champion 7AC, 7BCM, 7DC, 7CCM, 7EC, 7FC

Windshield	7-468	**$948.17**
Left Front Forward Sliding Window, Glass Only	3-572	**$88.36**
Left Front Aft Sliding Window, Glass Only	3-573	**$66.83**
Right Front Door Window	7-537	**$114.35**
Left or Right Rear Window	7-463	**$224.24**

Aeronca Chief 11AC, 11ACS, 11BC and 11CC

Windshield	7-521	**$424.71**
Left or Right Front Sliding Window	4-715	**$66.08**
Left or Right Aft Sliding Window	4-714	**$66.08**
Left or Right Rear Window	4-594	**$74.99**

Aeronca Sedan 15AC

Left Windshield Half	7-852-2	**$352.69**
Right Windshield Half	7-852-3	**$352.69**

Bellanca Cruisair 14-13

Windshield	9892-6	**$506.39**

Citabria 7ECA, 7GCAA, 7GCBC and 8GCBC Scout

Windshield	7-1264	**$463.32**
Skylight	7-1286	**$211.61**
Left Front Swinging Window	4-1487	**$190.08**
Right Front Door Window	4-1446	**$192.31**
Right Rear Window	7-1256-1R	**$213.84**
Left Rear Window	7-1256-1L	**$213.84**

Decathlon 8KCAB

Windshield	7-1418	**$500.45**
Skylight	7-1286	**$211.61**
Left Front Window	4-1487	**$190.08**
Right Front Door Window	4-1446	**$192.31**
Right Rear Window	7-1256-1R	**$213.84**
Left Rear Window	7-1256-1L	**$213.84**

Wings

Description	Part #	Price
Jury Strut	1-2459	**$46.68**
Jury Strut Spreader	1-2461	**$65.49**
Fairing Blank	4-1475-B	**$63.12**
Wing Leading Edge Stiffener	4-1678-2	**$57.06**
Stiffener Blank	5-173B	**$63.81**
Butt Rib Repair, Left	5-184-L	**$68.42**
Butt Rib Repair, Right	5-184-R	**$68.42**
Scout Drag Wire	U1-10336-1	**$80.72**
Wing Root Drag Wire Lug	U1-2299	**$25.41**
Jury Spar Fitting, Left	U1-2319-L	**$68.47**
Right	U1-2319-R	**$68.47**
Jury Spar Fitting, Left	U1-2320-L	**$58.19**
Right	U1-2320-R	**$58.19**
Tail Brace Wire	U1-2340	**$61.39**
Wing Drag Wire	U1-2527-1	**$45.48**
Wing Drag Wire	U1-2527-6	**$62.37**
Clevis Fork	U1-2543	**$118.83**
Drag Wire	U1-2595-1	**$131.09**
Drag Wire	U1-2595-2	**$111.28**
Fairing	U1-9803	**$16.65**
Decathlon Aileron Hinge, Left	U2-1973-L	**$181.53**
Right	U2-1973-R	**$181.53**
Aileron Hinge	U2-689	**$217.35**
Wing Brace Tube	U2-697	**$151.84**
Rib Stiffener	U2-699	**$56.58**
Wing Fitting	U2-701	**$188.85**
Wing Fitting	U2-703	**$165.82**
Hinge Bracket	U2-709	**$72.49**
Aileron Trailing Edge Channel	U2-852	**$34.98**
Tail Brace Wire Assembly	U3-1107-2	**$151.96**
Fuel Vent Deflector	U3-1508	**$92.63**
Front Wing Gap Cover, Left	U3-451-L	**$119.36**
Right	U3-451-R	**$119.36**
Top Center Gap Cover	U3-452	**$28.55**
Gap Cover, Left	U3-453-L	**$50.16**
Right	U3-453-R	**$29.69**
Gap Cover, Left	U3-454-L	**$24.98**
Right	U3-454-R	**$24.98**
Wing Gap Cover	U3-455	**$23.77**
Wing Trailing Edge	U3-515	**$218.99**
Domed Inspection Plate	U3-639	**$49.20**
Flap Spar	U4-1090	**$190.31**
Wing Leading Edge Stiffener	U4-1519-1	**$45.21**
Wing Leading Edge Stiffener	U4-1519-2	**$45.21**
Wing Leading Edge Stiffener	U4-1678-1	**$63.08**
Doubler	U4-576-2	**$44.77**
Doubler	U4-576-3	**$53.27**
Aileron Spar	U5-157	**$106.56**
Aileron Balance, Left	U5-179-L	**$122.16**
Right	U5-179-R	**$122.16**

Champion Wingtip Bow

FAA-PMA APPROVED

- Applicability: Aeronca 7AC, 11AC, 7EC, 7FC

Left ..... U7-440-L **$714.58**
Right ..... U7-440-R **$550.98**

Flap, Uncovered

FAA-PMA APPROVED

• Applicability: Aeronca 7GCBC, 8GCBC

Left Flap, Uncovered ..... U5-272-L **$1,846.33**
Right Flap, Uncovered ..... U5-272-R **$1,846.33**

Aileron, Uncovered

FAA-PMA APPROVED

• Applicability: Aeronca 7AC, 11AC, 7EC, 7FC, 7ECA, 7GCAA, 7GCBC, 7KCAB, 8GCBC

Left Aileron, Uncovered ..... U5-180-L **$1,470.66**
Right Aileron, Uncovered ..... U5-180-R **$1,470.66**

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Trailing Edges

Trailing Edge ..... 1-8826 ..... **$108.74**
Wing Trailing Edge, Inboard ..... 2-1915 ..... **$69.39**
Aileron Trailing Edge ..... U3-542 ..... **$79.29**
Flap Trailing Edge ..... U3-1124 ..... **$51.69**
Aileron Bay Trailing Edge, Left ..... U5-175-L **$123.62**
Right ..... U5-175-R **$123.62**

Leading Edge Skins

Outer Tip Leading Edge Skin ..... U3-443 ..... **$31.62**
24.75" length ..... U4-548-12 ..... **$94.06**
30.375" length ..... U4-548-4 ..... **$60.97**
34" length ..... U4-548-16 ..... **$91.63**
36" length ..... U4-548-10 ..... **$86.03**
41" length ..... U4-548-3 ..... **$134.15**
47.625" length ..... U4-548-1 ..... **$112.57**
47.625" length ..... U4-548-14 ..... **$146.28**
49" length ..... U4-548-11 ..... **$106.31**
50.25" length ..... U4-548-2 ..... **$134.15**
64" length ..... U4-548-15 ..... **$91.63**
Leading Edge Skin, Left ..... U4-549-L **$93.39**
Right ..... U4-549-R **$93.39**
Leading Edge Skin Tip, Left ..... 4-1123-L **$51.69**
Right ..... 4-1123-R **$51.69**
Flap Leading Edge, Left ..... U5-227-L **$44.75**
Right ..... U5-227-R **$44.75**

Pitot Tube Assembly

FAA-PMA APPROVED

• Applicability: Aeronca 7AC, 7BCM, 7CCM, 7DC, 11AC
• Approximately 23" long

Pitot Tube Assembly ..... U3-535 ..... **$447.80**

Wing Ribs

FAA-PMA APPROVED

• Specify model and side when ordering

Main Aileron Rib ..... U3-445 ..... **$31.06**
Aileron End Rib ..... U3-446 ..... **$48.42**
Trailing Edge Rib, Left ..... U2-851-L **$47.88**
Right ..... U2-851-R **$47.88**
Nose Rib ..... 5-183-2 ..... **$25.72**
Main Trailing Edge Rib ..... 5-185-1 ..... **$19.06**
Citabria Flap Nose Rib, Left ..... 2-1587-L **$17.80**
Right ..... 2-1587-R **$17.80**
Decathlon Aileron Sector Rib, Left ..... U2-1978-L **$46.92**
Right ..... U2-1978-R **$46.92**
Champion/Citabria Trailing Edge Rib ..... U3-1183 ..... **$57.55**
Nose Rib ..... U3-1516 ..... **$52.65**
Citabria Tip Rib, Left ..... U4-1030-L **$375.19**
Right ..... U4-1030-R **$375.19**
Decathlon Trailing Edge Rib ..... U4-1527 ..... **$43.49**
Decathlon Nose Rib ..... U4-1528 ..... **$55.39**
Champion Full Rib ..... U5-142 ..... **$237.23**
Champion Tip Rib ..... U5-143 ..... **$141.29**
Aileron Bay Rib ..... U5-181 ..... **$201.21**
Flap Bay Rib ..... U5-274 ..... **$265.59**
Citabria Butt Rib, Left ..... U7-445-L **$167.81**
Right ..... U7-445-R **$167.81**

Citabria 7GCBC and Scout
Butt Rib, Left ..... U7-445-3L **$198.02**
Right ..... U7-445-3R **$198.02**

Citabria 7GCBC only
Outboard Tank Rib, Left ..... U7-445-7L **$217.13**
Right ..... U7-445-7R **$217.13**

Citabria 7GCAA, 7KCAB and 7ECA
Outboard Tank Rib, Left ..... U7-445-6L **$217.13**
Right ..... U7-445-6R **$217.13**
Butt Rib, Left ..... U7-791-L **$280.39**
Right ..... U7-791-R **$280.39**

Wing Spar Fitting

FAA-PMA APPROVED

• Complies with AD 47-30-01

U2-893 ..... **$236.18**

CESSNA

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Many parts can be correctly identified by the nomenclature listed in this section. However, we suggest that you also have the correct parts manual for positive identification.

Cessna Manuals

Parts Catalogs

120/140 Parts Catalog 1946-1949 ... UP104-12 ... **$40.76**
140A Parts Catalog, 1949-1951 ... P105-12 ... **$97.00**
150 Parts Catalog, 1959-1969 ... P438-12 ... **$273.00**
150 Parts Catalog, 1970-1977 ... P691-12 ... **$265.00**
152 Parts Catalog, 1978-1985 (P657-1-12) ... P692-12 ... **$273.00**
170 Parts Catalog, 1948 ... UP106-12 ... **$82.02**
170A Parts Catalog, 1949-1951 ... UP107-12 ... **$82.02**
170B Parts Catalog, 1952-1956 ... UP108-12 ... **$82.02**
172 and 175 Parts Catalog, 1956-1962 ... P257-12 ... **$245.00**
172 Parts Catalog, 1963-1974 ... P529-12 ... **$245.00**
172/172Q Parts Catalog, 1975-1986 ... P696-12 ... **$265.00**
172RG Parts Catalog, 1980-1985 ... P693-12 ... **$233.00**
177 Cardinal Parts Catalog, 1968-1978 ... P695-12 ... **$189.76**
177 Cardinal RG Parts Catalog, 1971-1978 ... P695-12 ... **$189.76**
180, 1953-1962 and 182 Parts Catalog, 1956-1961 ... P259-12 ... **$287.00**
180, 1963-1973 and 185, Parts Catalog, 1961-1973 ... P527-12 ... **$233.00**
180-185 Parts Catalog, 1974-1985 ... P699-12 ... **$295.02**
182 and Skylane Parts Catalog, 1962-1973 ... P515-12 ... **$290.40**
182 Parts Catalog, 1974-1986 ... P690-12 ... **$287.00**
R182/TR182 Skylane RG Parts Catalog, 1986-1987 ... P701-12 ... **$193.33**
188 Parts Catalog, 1966-1975 ... P545-12 ... **$209.25**
188 AG Aircraft Series Parts Catalog, 1976-1984 ... P694-12 ... **$209.25**
190-195 Parts Catalog, 1948-1953 ... P112-12 ... **$209.25**

Service Manuals

100 Series Service Manual, 1953-1962
(for 150, 172, 175, 180, 182, and 185) ... * UD138-13 ... **$89.96**
* This manual is not written specifically for the 120, 140 or 170 series; however, much of the information is useful for these aircraft.

100 Series Service Manual,1963-1968 ... UD637-13 ... **$93.94**
150 Series Service Manual,1969-1976 ... D971-3-13 ... **$273.00**
150 Series Service Manual, 1977 ... D2011-1-13 ... **$193.00**
152 Series Service Manual, 1978-1985 ... D2064-1-13 ... **$233.00**
172 Series Service Manual,1969-1976 ... D972-4-13 ... **$273.00**
172/172Q Series Service Manual, 1977-1986 ... D2065-3-13 ... **$265.00**
172 Hawk XP Service Manual, 1977-1981 ... D2027-1-13 ... **$273.00**
FR172 (Reims Rocket) Service Manual, 1968-1976 ... D849-5-13 ... **$220.00**
172RG Service Manual, 1980-1985 ... D2066-1-13 ... **$198.15**
177 Cardinal Service Manual, 1968-1978 ... D841-8-13 ... **$197.00**
177RG Cardinal Service Manual, 1971-1975 ... D991-3-13 ... **$217.46**
177RG Cardinal Service Manual, 1976-1978 ... D2009-4-13 ... **$273.00**
180/185 Skywagon and AG Carryall, 1969-1980 ... D2000-9-13 ... **$287.00**
180/185 Series Service Manual, 1981-1985 ... D2067-1-13 ... **$205.00**
182 Skylane Service Manual, 1969-1976 ... D2006-3-13 ... **$205.00**
182/T182 Skylane Service Manual,1977-1986 ... D2068-3-13 ... **$287.00**
R182/TR182 Skylane RG Service Manual, 1978-86 ... D2069-3-13 ... **$273.00**
188 Ag Aircraft Series Service Manual, 1966-1984 ... D2054-1-13 ... **$205.00**

Owners Manuals

120-140 Owners Manual,1946-1948 ... UP123-13 ... **$13.42**
140A Owners Manual, 1949-1951 ... UP124-13 ... **$20.48**
150 Owners Manual, 1959-1960 ... P187-13 ... **$48.84**
150A Owners Manual, 1961 ... P220-13 ... **$41.40**
150B Owners Manual, 1962 ... D123-13 ... **$43.00**
150C Owners Manual, 1963 ... D156-13 ... **$42.53**
150D Owners Manual, 1964 ... D208-13 ... **$56.40**
150E Owners Manual, 1965 ... D251-13 ... **$55.00**
150F Owners Manual, 1966 ... D326-13 ... **$50.55**
150G Owners Manual, 1967 ... D397-1-13 ... **$45.25**
150H Owners Manual, 1968 ... D518-13 ... **$45.82**
150J Owners Manual, 1969 ... D624-13 ... **$61.05**
150K Owners Manual, 1970 ... D727-13 ... **$41.40**
150L Owners Manual, 1971 ... D836-13 ... **$41.40**
150L Owners Manual, 1972 ... D901-13 ... **$41.40**
150L Owners Manual, 1973 ... D962-13 ... **$56.40**
150L Owners Manual, 1974 ... D1013-13 ... **$41.40**
150M Owners Manual, 1975 ... D1033-13 ... **$49.24**
170 Owners Manual, 1948 ... UD376-13 ... **$20.38**
170A Owners Manual,1949-1951 ... UP125-13 ... **$20.48**
170B Owners Manual, 1952-1955 ... UP213-13 ... **$20.48**
170B Owners Manual, 1956 ... UP130-13 ... **$20.48**
172 Owners Manual, 1956 ... P130A-13 ... **$54.00**
172 Owners Manual, 1957-1958 ... P181-13 ... **$64.38**
172 Owners Manual, 1959 ... P168-13 ... **$41.40**
172A Owners Manual, 1960 ... P188-13 ... **$61.05**
172B Owners Manual, 1961 ... D880-13 ... **$45.31**
172C Owners Manual, 1962 ... D124-13 ... **$41.40**
172D Owners Manual, 1963 ... D157-13 ... **$52.63**

172E Owners Manual, 1964 ..... D209-13 ..... **$41.48**
172F Owners Manual, 1965 ..... D615-13 ..... **$41.08**
172G Owners Manual, 1966 ..... D616-13 ..... **$50.00**
172H Owners Manual, 1967 ..... D638-13 ..... **$41.40**
172I Owners Manual, 1968 ..... D584-13 ..... **$41.40**
172K Owners Manual, 1969 ..... D625-13 ..... **$48.00**
172K Owners Manual, 1970 ..... D742-13 ..... **$41.40**
172L Owners Manual, 1971 ..... D837-13 ..... **$35.81**
172L Owners Manual, 1972 ..... D902-13 ..... **$36.76**
172M Owners Manual, 1973 ..... D964-13 ..... **$41.08**
172M Owners Manual, 1974 ..... D1016-13 ..... **$42.96**
172M Owners Manual, 1975 ..... D1036-13 ..... **$47.30**
175 Owners Manual, 1958 ..... P175-13 ..... **$47.00**
175 Owners Manual, 1959 ..... P175A-13 ..... **$48.84**
175A Owners Manual, 1960 ..... P197-13 ..... **$51.71**
175B Owners Manual, 1961 ..... P225-13 ..... **$41.40**
175C Owners Manual, 1962 ..... D125A-13 ..... **$41.40**
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177RG Owners Manual, 1974 ..... D1019-13 ..... **$41.40**
177RG Owners Manual, 1975 ..... D1039-13 ..... **$41.40**
180 Owners Manual, 1953 ..... P131B-13 ..... **$45.00**
180 Owners Manual, 1954 ..... P131-13 ..... **$41.40**
180 Owners Manual, 1955 ..... P132-13 ..... **$41.40**
180 Owners Manual, 1956 ..... P133-13 ..... **$49.00**
180A Owners Manual, 1957 ..... P136-13 ..... **$59.10**
180A Owners Manual, 1958 ..... P136A-13 ..... **$41.40**
180B Owners Manual, 1959 ..... P170-13 ..... **$43.22**
180C Owners Manual, 1960 ..... P198-13 ..... **$41.40**
180D Owners Manual, 1961 ..... P231-13 ..... **$41.40**
180E Owners Manual, 1962 ..... D127-13 ..... **$41.40**
180F Owners Manual, 1963 ..... D158-13 ..... **$41.40**
180G Owners Manual, 1964 ..... D210-13 ..... **$44.00**
180H Owners Manual, 1965 ..... D264-13 ..... **$41.40**
180H Owners Manual, 1966 ..... D335-13 ..... **$43.00**
180H Owners Manual, 1967 ..... D413-13 ..... **$41.40**
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180H Owners Manual, 1970 ..... D765-13 ..... **$41.40**
180H Owners Manual, 1971-1972 ..... D946-13 ..... **$41.40**
180J Owners Manual, 1973 ..... D1000-13 ..... **$41.40**
180J Owners Manual, 1974 ..... D1020-13 ..... **$41.40**
180J Owners Manual, 1975 ..... D1040-13 ..... **$41.40**
182 Owners Manual, 1956 ..... P134-13 ..... **$50.00**
182A Owners Manual, 1957-1958 ..... D139-13 ..... **$64.38**
182B Owners Manual, 1959 ..... P171-13 ..... **$45.38**
182C Owners Manual, 1960 ..... P189-13 ..... **$41.40**
182D Owners Manual, 1961 ..... P230-13 ..... **$55.00**
182E Owners Manual, 1962 ..... D130-13 ..... **$55.00**
182F Owners Manual, 1963 ..... D161-13 ..... **$41.40**
182G Owners Manual, 1964 ..... D219-13 ..... **$64.38**
182H Owners Manual, 1965 ..... D282-13 ..... **$63.73**
182J Owners Manual, 1966 ..... D348-13 ..... **$47.00**
182K Owners Manual, 1967 ..... D439-13 ..... **$41.40**
182L Owners Manual, 1968 ..... D548-13 ..... **$55.00**
182M Owners Manual, 1969 ..... D647-13 ..... **$41.40**
182N Owners Manual, 1970 ..... D754-13 ..... **$45.25**
182N Owners Manual, 1971 ..... D855-13 ..... **$47.00**
182P Owners Manual, 1972 ..... D906-13 ..... **$49.02**
182P Owners Manual, 1973 ..... D1003-13 ..... **$55.00**
182P Owners Manual, 1974 ..... D1021-13 ..... **$49.00**
182P Owners Manual, 1975 ..... D1041-13 ..... **$43.22**
185 Owners Manual, 1961 ..... D101-13 ..... **$45.25**
185A Owners Manual, 1962 ..... D129-13 ..... **$61.05**
185B Owners Manual, 1963 ..... D159-13 ..... **$41.40**
185C Owners Manual, 1964 ..... D211-13 ..... **$41.40**
185D Owners Manual, 1965 ..... D265-13 ..... **$41.40**
185E Owners Manual, 1966 ..... D360-13 ..... **$41.40**
A185E Owners Manual, 1967 ..... D412-13 ..... **$41.40**
A185E Owners Manual, 1969 ..... D695-13 ..... **$41.40**
A185E Owners Manual, 1970 ..... D772-13 ..... **$41.40**
A185E Owners Manual, 1971-1972 ..... D937-13 ..... **$55.00**
A185F Owners Manual, 1973 ..... D1001-13 ..... **$47.00**
A185F Owners Manual, 1974 ..... D1022-13 ..... **$55.00**
A185F Owners Manual, 1975 ..... D1042-13 ..... **$41.40**
190, 195, 195A and 195B Owners Manual, 1946-1953 ..... P138-13 ..... **$58.00**

Cessna Parts from Atlee Dodge

Description	Part #	Price
Exhaust Deflectors, Pair • C-206 • STC	3238	**$935.00**
Boarding Ladder • C-206 • STC	3193	**$1,228.00**
Exhaust Clamp • C-207, T207	AD1250259-1	**$513.00**
Powder Coated Step • C-170, 180, 185 Series	8013-01	**$456.00**
Water Rudder Lift Handle Kit • C-170, 180, 185 Series	3359-1	**$515.00**

Cessna Removable Jump Seats — STC APPROVED

- Easily folds or removes for loading and unloading of cargo
- Seats do not come upholstered
- Weight savings of about 7 pounds
- Applicability: Cessna 170 through 185 Series; see FAA approved model list
- Installation hardware comes with all seats

Left Seat with Installation Kit ..... 3187L **$2,593.00**
Right Seat with Installation Kit ..... 3187R **$2,593.00**
Both Seats (left/right) with Installation Kit ..... 3187KIT **$5,186.00**

Universal Boot Cowl Step

- Applicability: Cessna U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, P206, and TP206A series aircraft
- Powder coated white
- Cessna style step

Boot Cowl Step.....3354-S **$120.00**

Cessna Battery Rack Firewall

- Applicability: Cessna 170, 170A, 170B, 180 through 180K, 185 through 185E
- Battery not included
- STC approved

Battery Rack..... 8008-01..... **$580.00**

Intake Hose Heat Shrouds

FAA-PMA APPROVED

- Applicability: Cessna 180, 185, 206, 207, 210
- Stainless steel

Intake Hose Heat Shrouds ..... 3274..... **$39.00**

Cessna Muffler Shroud

- Fabricated with a doubler over the tailpipe outlet
- FAA-PMA approved for Cessna 180, 185
- Heavy duty

Muffler Shroud.....4236 ..... **$654.00**

Universal Handle and Doubler

- Applicability: Cessna 180H, 180J, A185E, A185F, U206 Series
- Stainless steel

Boot Cowl Handle ..... 3354H.... **$130.00**
Doubler..... 3354D..... **$15.75**

Heavy Duty Seat Back Frame

FAA-PMA APPROVED

- Applicability: Cessna 206, 207
- More durable than stock seat back
- Constructed of 6061-T6 solid stock aluminum (not tubing)
- Hinges are solid stock as well – seat frame will not bend or crack at hinge mounts

3226AD **$683.00**

Sales: 1-877-332-8533 • www.fadodge.com

Cessna 120 – 140

Engine Parts

Engine Attach Spacer ..... 0450195 ..... **$177.29**
Mixture Control Clamp ..... 0450258 ..... **$272.95**
Oil Temperature Gauge Adapter..... 0450261 ..... **$327.54**

Engine Mount Assembly

FAA-PMA APPROVED

For Cessna 120-140 ..... U0451000 ..... **$1,668.51**
For Cessna 140A ..... U0451111 ..... **$1,911.19**

Small Skull Cap Spinner

FAA-PMA APPROVED

- Applicability: Cessna 120/140
- Dome diameter: 5.125" outside diameter
- Spinner assembly may not fit all taper shaft installations

Spinner Dome and Bracket..... SM-SPIN-ASY **$121.22**
Spinner Dome ..... U0450279 ..... **$89.41**
Bracket..... U0450281 ..... **$31.93**

Continental Engine Mount Bushings

- Rubber
- Used on all A and C series Continental engines
- 8 required per installation
- Priced and sold individually

Engine Mount Bushings ..... U22387A **$7.22**

Landing Gear

Brake Disc Cover Plate ..... 0441126 ..... **$4.83**
Axle Nut ..... 0441130 ..... **$445.00**
Tail Spring Attach Stiffener ..... 0442115 ..... **$482.04**
Tailwheel Steering Chain Guard ..... U0442125 ..... **$61.08**
Tail Spring Shackle ..... U0442122 ..... **$86.99**
Tail Spring Abrasion Strip..... U0442124 ..... **$77.32**

Landing Gear Bulkheads

FAA-PMA APPROVED

Left ..... U0411495 ..... **$2,220.89**
Right..... U0411495-1 ..... **$2,220.89**

Instrument Panel Shock Mount

J6984-8..... **$11.45**

All Metal Cowling

FAA-PMA APPROVED

- Applicability: Cessna 120, 140, 140A

1946 Cowling Parts

Lower Cowl Skin Half, Left ..... U0452126-3 ..... **$1,637.19**
Right ..... U0452126-5 ..... **$1,637.19**
Nose Cowl ..... U0452124 ..... **$1,187.01**

1947 and 1948 Cowling Parts

Cowl Center Section ..... U0452187 ..... **$743.21**
Lower Cowl Skin, Left ..... U0452189-3 ..... **$1,405.57**
Right ..... U0452189-5 ..... **$1,405.57**
Nose Cowl Blank ..... U0452185 ..... **$1,187.01**

Cowl Grilles

FAA-PMA APPROVED

- Applicability: 140 (serial numbers 14365 and up), 140A, 170, 170A, 170B (thru serial number 25372)

Left Cowl Grille ..... U0452207 ..... **$296.24**
Right Cowl Grille ..... U0452207-1 ..... **$296.24**

AirMaze Air Filter

- Applicability: Continental A-65, A-75, C-85, C-90, and C-125
- Use with A50256 housing
- Supersedes part number 40599

Air Filter ..... 600314 ..... **$109.99**

Tailwheel Springs

FAA-PMA APPROVED

Single bend

Double bend

Single Bend (for early Cessna 120-140, serial numbers 8001–14026)
Complete Set ..... U120-140E **$341.08**
Tailwheel Leaf Spring ..... U0442106 ..... **$89.21**
Tailwheel Leaf Spring ..... U0442107 ..... **$57.44**
Tailwheel Leaf Spring ..... U0442108 ..... **$99.71**
Tailwheel Leaf Spring ..... U0442109 ..... **$63.66**
Tailwheel Leaf Spring ..... U0442110 ..... **$124.18**
Double Bend (for late Cessna 120-140, serial numbers 14027 and up)
Complete Set ..... U120-140 ..... **$335.96**
Tailwheel Leaf Spring ..... U0442109-2 ..... **$63.44**
Tailwheel Leaf Spring ..... U0442108-2 ..... **$109.69**
Tailwheel Leaf Spring ..... U0442110-2 ..... **$75.67**
Tailwheel Leaf Spring ..... U0442106-2 ..... **$98.11**
Tailwheel Leaf Spring ..... U0442107 ..... **$57.44**

Magneto Noise Filter

A293 ..... **$190.14**

Rear Carry-thru Spar

FAA-PMA APPROVED

For Cessna 120/140 ..... U0411476 ..... **$743.78**

Lift Strut Rod Ends

Front Rod End ..... U0422012 ..... **$145.61**
Rear Rod End ..... U0422316 ..... **$121.28**

Fuel Valve Kit

FAA-PMA APPROVED

This replacement valve will mount in the same position as the original OEM valve. It uses the same tank selector plate and the same mounting hardware as the original. Sold as a kit.

- Applicability: Cessna 120-140 with Continental C-85-12, C-85-12F, C-90-12F, C-90-14F and Lycoming O-235-C1 engines

NOTE: Valve positions are LEFT/RIGHT/OFF. There is no position for both tanks.

U0411716-500 ..... **$628.18**

Cessna 120 • Photo by Ian Kirk • Broadstone, Dorset, UK

Tail Surface Skins

FAA-PMA APPROVED

- Elevator skins must be purchased in pairs (top and bottom) to insure matching corrugations

Top Elevator Skin

Assembly, Left	U0434141	**$345.94**
Right	U0434140	**$352.19**
Skin Only, Left	U0434141-1	**$206.40**
Right	U0434140-1	**$196.68**

Bottom Elevator Skin

Assembly, Left	U0434142	**$345.94**
Right	U0434134	**$515.88**
Skin Only, Left	U0434142-1	**$206.40**
Right	U0434134-1	**$196.68**

Tail Surfaces

Fin Assembly	U0431000	**$3,721.98**
Front Fin Spar	U0431115	**$66.51**
Fin Hinge Bushing	U0431119	**$10.71**
Top Fin Hinge	U0431120	**$104.83**
Lower Fin Skin	U0431128	**$488.84**
Rear Fin Spar	U0431130	**$154.16**
#1 Lower Fin Rib	U0431135	**$203.55**
#2 Fin Rib	U0431136	**$127.44**
#3 Fin Rib	U0431137	**$96.93**
#4 Upper Fin Rib	U0431138	**$73.41**
Upper Fin Cap Assembly	U0431139	**$538.70**
Fin Spar Reinforcement (comply w/AD 50-31-01)	U0431145	**$14.26**
Fin Spar Reinforcement (comply w/AD 50-31-01)	U0431145-1	**$15.76**
Leading Edge Inboard Stabilizer, Left	U0432158	**$188.87**
Right	U0432158-1	**$188.87**
Leading Edge Outboard Stabilizer	U0432159	**$182.89**
Rudder Assembly	U0433000-14	**$3,667.87**
#1 Rudder Rib	U0433106-2	**$45.03**
Rudder Tip	U0433111	**$262.93**
Rudder Bellcrank	U0433113	**$473.82**
Tail Light Mount Support	U0433121	**$69.98**
Rudder Spar	U0433125	**$240.45**
Rudder Tab	U0433127	**$21.05**

Wing Drag Wires

FAA-PMA APPROVED

For 120, 140

Wing Bay #1 • 44.81" L	U0422008-1	**$85.27**
Wing Bay #2 • 56.25" L	U0422008-2	**$85.27**
Wing Bays #3, #4 • 45.69" L	SAE0422008-4*	**$100.88**

* Complies with AD 48-25-03 for C-120/140.
Provides for use with standard AN365-1032 nuts.

Shop online at www.univair.com

Horizontal Stabilizer

FAA-PMA APPROVED

- Crate cost CR18 will be added to shipping costs

U0432000-3 ..... **$10,305.44**

Wings

Wing Fabric Clip	US43	**$0.75**
Aileron Control Bushing (0411489)	NAS382-2	**$103.61**
Flap Control Bushing (0411490)	NAS382-1	**$277.97**
Elevator Control Pulley Bushing	0411491	**$92.30**
Lift Strut Rod End, Front	U0422012	**$145.61**
Nose Rib	0422138-3	**$157.00**
Center Rib Section	0422212	**CALL**
Aileron Hinge Inner Race Bushing	U0422215	**$56.05**
Upper Front Strut Bushing	0422261	**$1,280.00**
Aileron Bellcrank Bushing	0422280	**$36.61**
Rear Lift Strut Attach Bolt	U0422297	**$124.90**
Rear Lift Strut Rod End	U0422316	**$121.28**
Nose Rib	U0422337	**$102.97**
Tip Spar, Right	0423113-1	**$251.35**
Wingtip Spar, Left	U0423300-4	**$237.95**
Right	U0423300-5	**$225.74**
Flap, Left	0425000	**$2,989.22**
Right	0425000-1	**$2,989.22**
Wing Flap Hinge	U0425113	**$67.56**
Flap Fitting, Left	U0425118	**$255.05**
Right	U0425118-1	**$255.05**

Aileron

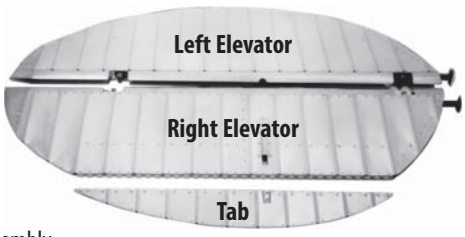
FAA-PMA APPROVED

- Excludes aileron pushrods
- Crate cost CR-AIL will be added to shipping costs

Left	U0424000-2	**$2,878.23**
Right	U0424000-3	**$2,878.23**

Elevator Assemblies

FAA-PMA APPROVED



Elevator Assembly

Right, no trim tab	U0434137	**$4,705.85**
Right, with trim tab	0434137A	**$5,404.13**
Left	U0434139	**$2,851.35**
Trim Tab	0434135	**$928.48**
Trim Tab Pushrod	0434127	**$573.41**

Frame

Spar Bearing Block	0411129	**$1,244.41**
Window Hinge	U0411185-7	**$83.88**
Rudder Pedal Arm	0411307	**$252.52**
Lower Door Sill Support	0411345	**$108.00**
Rudder Pedal Shaft	0411369-2	**$90.70**
Lower Door Hinge	0411579	**$1089.67**
Door Catch Striker	S4628-783	**$298.71**
Upper Door Hinge, Left	0411597	**$836.00**
Right	0411597-1	**$486.00**
Landing Gear Fillet, Left	U0411762	**$35.29**
Right	U0411762-1	**$29.37**
Rudder Return Spring	0411837-1	**$157.05**
Nut	0411849	**$15.87**
Tail Post Bulkhead	0412169	**$3,853.34**
Starter Button Housing	0413015	**$11.08**
Washer	0413228	**$78.86**
Lower Cowl Reinforcement	U0452192	**$214.81**

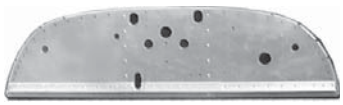
Leading Edge Tip Skins

FAA-PMA APPROVED

Left	U0423112	**$975.65**
Right	U0423112-1	**$975.65**

Aluminum Gearbox Bulkhead

- Applicability: Cessna 120, 140, 140A



Front Gearbox Bulkhead	0411120	**$474.75**

Rudder Bellcrank

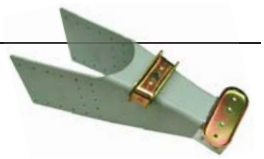
FAA-PMA APPROVED

U0433113	**$473.82**

Tailwheel Bracket Assembly

FAA-PMA APPROVED

U0412139	**$1,272.92**



Lift Struts

FAA-PMA APPROVED

- New, improved steel struts – sealed and oiled to prevent internal corrosion
- Crate cost CR-VSTRUT will be added to shipping costs

Left	U0422340-8	**$2,774.82**
Right	U0422340-9	**$2,774.82**

Lever Type Window Latches

FAA-PMA APPROVED

- Ivory colored knob only
- Choose polished or unpolished finish

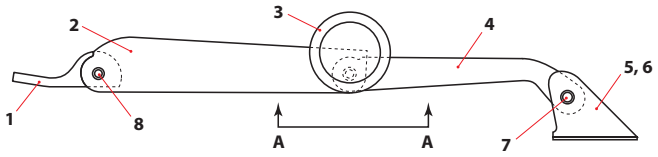
Latch Assembly

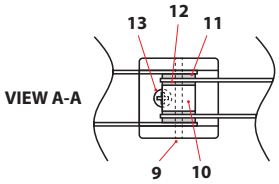
- 120, 140, 140A, 170, 170A, 170B – serial numbers 20267 to 25372)
- U0413362-2 replaces Cessna 0411186 and 0411186-3

Unpolished	U0413362-2	**$470.90**
Polished	U0413362-2+	**$575.61**

- 170B (serial numbers 25373 and up), 172, 175, 180 and 182

Unpolished	U0413362-3	**$470.90**
Polished	U0413362-3+	**$595.08**





Latch Components Sold Separately:

1)	Window Latch Arm (for U0413362-2 and -2+ assemblies)	U0413362-8	**$57.66**
	(for U0413362-3 and -3+ assemblies)	U0413362-9	**$59.30**
2)	Bracket	U0413362-13	**$95.24**
3)	Knob, Ivory	U0413359	**$38.37**
4)	Extension Arm	U0413362-12	**$95.24**
5)	Angle (left side)	U0413362-10	**$9.96**
6)	Angle (right side)	U0413362-11	**$9.96**
7)	Pin	U0413362-14	**$23.43**
8)	Pin	U0413362-16	**$23.43**
9)	Pin	U0413362-15	**$23.43**
10)	Spacer	U0413362-7	**$11.73**
11)	Flat Washer (2 required)	NAS1149F0363P	**$0.08**
12)	Flat Washer, Light (2 required)	NAS1149F0332P	**$0.04**
13)	Screw	4X3/8-TRA	**$0.10**

Concorde Batteries

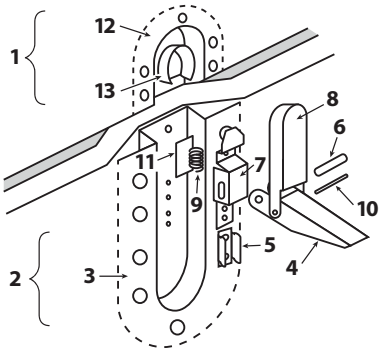
- Applicability: Cessna 120, 140, and 140A
- Valve regulated sealed lead acid batteries

12 Volt, 22 Amp Hour	RG-25	**$368.00**
12 Volt, 24 Amp Hour, Extra Capacity	RG-25XC	**$429.00**
12 Volt, 29 Amp Hour	RG-35A	**$479.00**
12 Volt, 33 Amp Hour, Extra Capacity	RG-35AXC	**$512.00**

Cowl Latches and Details

FAA-PMA APPROVED

- Applicability: Cessna 120, 140 and 170 series



Hook and Lever Assemblies

1) Cowl Latch Hook Assembly U0452108 ..... **$137.78**
2) Cowl Latch Lever Assembly U0452119 ..... **$449.05**

Detail Parts

3) Cowl Latch Recess ..... U0452109 ..... **$48.93**
4) Cowl Latch Lever ..... U0452110 ..... **$37.32**
5) Cowl Latch Clip ..... U0452111 ..... **$34.98**
6) Cowl Latch Pin ..... U0452112 ..... **$20.25**
7) Latch Spring Housing ..... U0452113 ..... **$37.50**
8) Cowl Latch Hook ..... U0452114 ..... **$48.67**
9) Cowl Latch Spring ..... U0452115 ..... **$26.17**
10) Latch Hook Pin ..... U0452120 ..... **$20.11**
11) Cowl Latch Shim ..... U0452121 ..... **$2.80**
12) Cowl Latch Recess ..... U0452122 ..... **$74.63**
13) Upper Cowl Latch Hook ..... U0452123 ..... **$71.56**

Control Cables

FAA-PMA APPROVED

Cable descriptions are basic. Please consult your aircraft parts manual for proper cable application for your model and serial number.

Galvanized Steel

Wheel to Aileron Cable, 285.0" ..... U0400107-1 ..... **$217.60**
Aileron Carry-Thru Cable, 222.5" ..... U0400107-2 ..... **$145.75**
Flap Control Cable, 73.75" ..... U0400107-3 ..... **$79.12**
Rudder Control Cable, 193.125" ..... U0400107-4 ..... **$173.94**
Elevator Up Control Cable, 167.0" ..... U0400107-5 ..... **$156.26**
Elevator Tab Aft Cable, 123.25" ..... U0400107-7 ..... **$164.56**
Elevator Tab Forward Cable, 58.75" ..... U0400107-8 ..... **$104.83**
Elevator Down Cable, 164.5" ..... U0400107-9 ..... **$151.41**
Flap Control Cable, 76.8125" ..... U0400107-10 ..... **$87.76**
Elevator Tab Carry-Thru Forward Cable, 124.5" ..... U0400107-11 ..... **$111.03**
Elevator Tab Carry-Thru Aft Cable, 59.125" ..... U0400107-12 ..... **$79.91**
Elevator Tab Aft Direct Cable, 77.125" ..... U0400107-13 ..... **$99.67**
Elevator Tab Forward Direct Cable, 104.875" ..... U0400107-14 ..... **$103.46**
Wheel to Aileron Cable, 302.0" ..... U0400107-17 ..... **$192.11**
Aileron Carry-Thru Cable, 263.75" ..... U0400107-18 ..... **$158.97**

Stainless Steel

Wheel to Aileron Cable, 285.0" ..... U0400107-101 ..... **$253.95**
Aileron Carry-Thru Cable, 222.5" ..... U0400107-102 ..... **$202.91**
Flap Control Cable, 73.75" ..... U0400107-103 ..... **$129.23**
Rudder Control Cable, 193.125" ..... U0400107-104 ..... **$189.76**
Elevator Up Control Cable, 167.0" ..... U0400107-105 ..... **$142.75**
Aft Elevator Tab Cable, 123.25" ..... U0400107-107 ..... **$172.32**
Forward Elevator Tab Cable, 58.75" ..... U0400107-108 ..... **$114.84**
Down Elevator Control Cable, 164.5" ..... U0400107-109 ..... **$132.10**
Flap Control Cable, 76.8125" ..... U0400107-110 ..... **$145.04**
Elevator Tab Carry-Thru Forward Cable, 124.5" ..... U0400107-111 ..... **$126.23**
Elevator Tab Carry-Thru Aft Cable, 59.125" ..... U0400107-112 ..... **$114.86**
Elevator Tab Aft Direct Cable, 77.125" ..... U0400107-113 ..... **$152.09**
Elevator Tab Forward Direct Cable, 104.875" ..... U0400107-114 ..... **$152.22**
Wheel to Aileron Cable, 302.0" ..... U0400107-117 ..... **$285.90**
Aileron Carry-Thru Cable, 263.75" ..... U0400107-118 ..... **$310.18**

Propellers

Univair furnishes a bolt kit with each propeller purchase. Bolt kits can also be purchased separately from our website.

Propeller descriptions below show basic aircraft/engine model applicability. Check manufacturer's websites for exact applicability before purchasing, or contact our sales staff at 1-888-433-5433 and we can research it for you.

Please note that we do not stock all of the propellers listed. Non-stocked propellers require 4-6 months for delivery.

McCauley, Aluminum, 120, 140, Cont C-85 ..... CM7142 ..... **CALL**
McCauley, Aluminum, 120, 140 Seaplane, Cont C-85 ..... CM7144 ..... **CALL**
McCauley, Aluminum, 120, 140, 140A, Cont C-85 ..... CM7146 ..... **CALL**
McCauley, Aluminum, 120, 140, 140A, Cont C-85 ..... CM7148 ..... **CALL**
McCauley, Aluminum, 120, 140, 140A, Cont C-85 ..... CM7150 ..... **CALL**
McCauley, Aluminum, 120, 140, 140A, Cont C-90 ..... CM7152 ..... **CALL**
McCauley, Aluminum, 120, 140, 140A, Cont C-90 ..... CM7154 ..... **CALL**
McCauley, Aluminum, 120, 140, 140A, Cont C-90 ..... CM7343 ..... **CALL**
Sensenich, Aluminum, 140, Cont C-90 ..... W72GK50-CUB **$4,030.00**
Sensenich, Wood, 140, Cont C-90 ..... W72GK50-SB **$4,030.00**
Sensenich, Wood, 120, 140, Cont C-85 ..... W72GK46 ..... **$3,995.00**
Sensenich, Wood, 120, 140, Cont C-85 ..... W72GK48 ..... **$3,995.00**
Sensenich, Wood, 140, Cont C-90 ..... W72GK50 ..... **$3,995.00**

Windows • Windshields

Prices below are for clear windows and windshields only. Please see the **Windows & Windshields** beginning on page 300 for prices and availability of Solar Gray and Green tinted versions.

Windshield (S/N 8001 to 8799) ..... 0411172-3 ..... **$463.32**
Windshield (S/N 8800 and up) ..... 0411172-5 ..... **$463.32**
Windshield, 140A only, 1949-1951 ..... 0413419-203 ..... **$452.18**
Left or Right Door Window ..... 0411182 ..... **$104.69**
Left or Right Rear Window ..... 0412145 ..... **$72.02**
Skylight ..... 0411144 ..... **$77.22**

Shop Online: www.univair.com
Order By Phone: 1-888-433-5433
Monday to Friday • 7:30 am to 4:30 pm MT

Cessna 150 – 152

150–152 Engine Mounts

FAA-PMA APPROVED

Cessna 150, Continental	U0451114	**$1,344.99**
150, S/N 17001 to 59215, Continental	U0451114-1	**$2,561.69**
150, S/N 59216 to 64532, Continental	U0451114-29	**$2,629.46**
150, S/N 64533 and up, Continental	U0451114-32	**$2,948.63**
150*, S/N 71129 and up, Continental	U0451120-1	**$3,593.60**
Cessna 152, Lycoming	L0451003	**$4,394.92**

* Not suitable for A150 Aerobats

150 Spinner Assembly

- Applicability: Cessna 150F, G, H, J, K

1) Front Plate, OEM (Plastic)	0450039-1-791	**$576.15**
2) Rear Plate	U0450040-1	**$636.79**
3) Spinner Dome	U0450027-12	**$529.88**

150–152 Landing Gear Shims

Landing Gear Shim	0441157-1	**$58.29**
Landing Gear Shim	0441157-2	**$349.18**
Landing Gear Shim	0441157-3	**$141.96**

150 Wings

Landing Light Shield, Left	0423564-1	**$419.89**

Windows • Windshields

Prices below are for clear windows and windshields only. Please see our website for prices and availability of Solar Gray and Green tinted versions.

150 Windshield (S/N 17001 to 67198 and 69309 to 73658)	0413419-203	**$452.18**
152 Rear Window	0412020-10	**$357.89**

Concorde Batteries

- Applicability: Cessna 150 and 152 Series
- Valve regulated sealed lead acid batteries

12 Volt, 22 Amp Hour	RG-25	**$368.00**
12 Volt, 24 Amp Hour, Extra Capacity	RG-25XC	**$429.00**
12 Volt, 29 Amp Hour	RG-35A	**$479.00**
12 Volt, 33 Amp Hour, Extra Capacity	RG-35AXC	**$512.00**

Propellers

Univair furnishes a bolt kit with each propeller purchase. Bolt kits can also be purchased separately from our website.

Propeller descriptions below show basic aircraft/engine model applicability. Check manufacturer's websites for exact applicability before purchasing, or contact our sales staff at 1-888-433-5433 and we can research it for you.

Please note that we do not stock all of the propellers listed. Non-stocked propellers require 4-6 months for delivery.

McCauley, Aluminum

FRA150L, M, Rolls Royce O-240	BRM7150	**CALL**
150G–K, Continental O-200	CF7535	**CALL**
150G–K, Continental O-200	CF7538	**CALL**
150G–K, Continental O-200	DCM6948	**CALL**
150–F150 Series, Continental O-200	MCM6950	**CALL**

Sensenich, Aluminum

150L–M, A150L–M, Continental O-200	69CKS12-0-50	**$7,677.40**
150L–M, A150L–M, Continental O-200	69CKS12-0-52	**$7,677.40**
152, Lycoming O-235	72CKS6-0-52	**$7,824.60**
152, Lycoming O-235	72CKS6-0-54	**$7,824.60**
152, Lycoming O-235	72CKS6-0-56	**$7,824.60**
150 Series, Lycoming O-320	74DM6S5-0-58	**$8,234.00**

Control Cables

FAA-PMA APPROVED

Cable descriptions are basic. Please consult your aircraft parts manual for proper cable application for your model and serial number.

Galvanized Steel

Rudder Control Cable, 193.125"	U0400107-4	**$173.94**
Elevator Up Control Cable, 167"	U0400107-5	**$156.26**
Elevator Down Cable, 164.5"	U0400107-9	**$151.41**
Elevator Tab Carry-Thru Forward Cable, 124.5"	U0400107-11	**$111.03**
Aileron Carry-Thru Cable, 262.875"	U0400107-21	**$179.78**
Flap Extend Forward Cable, 68.5"	U0400107-22	**$97.01**
Flap Retract Forward Cable, 100"	U0400107-23	**$97.01**
Flap Retract Cable, 96.75"	U0400107-26	**$102.12**
Tab Actuator to Disconnect Cable, 56.25"	U0400107-28	**$89.95**
Tab Wheel to Turnbuckle Cable, 100.0"	U0400107-29	**$99.10**
Tab Actuator to Turnbuckle Cable, 76.875"	U0400107-30	**$100.55**
Aileron Cable, 307.625"	U0400107-31	**$194.76**
Flap Retract Cable, 94.75"	U0400107-33	**$95.77**
Flap Extend Cable, 103.875"	U0400107-34	**$87.92**
Aileron Cable, 293"	U0400107-35	**$164.05**
Aileron Cable, 232.75"	U0400107-36	**$232.60**
Flap Retract Forward Cable, 68.0"	U0400107-37	**$87.44**
Flap Retract Cable, 58.5"	U0400107-38	**$82.03**
Flap Extend Forward Cable, 55.375"	U0400107-39	**$95.77**
Flap Extend Cable, 49.375"	U0400107-40	**$82.45**
Aileron Cable, 233.75"	U0400107-41	**$169.05**
Elevator Tab Forward Direct Cable, 169.875"	U0400107-42	**$134.81**

Elevator Tab Carry-Thru Cable, 147.375" ..... U0400107-43 ..... **$136.48**
Flap Control Cable, 63.375" ..... U0400107-45 ..... **$59.13**
Flap Control Cable, 47.625" ..... U0400107-46 ..... **$57.47**
Rudder Forward Cable, 32.25" ..... U0400107-47 ..... **$85.81**
Rudder Aft Cable, 159.625" ..... U0400107-48 ..... **$163.16**
Rudder Cable, Left, 191.75" ..... U0400107-49 ..... **$158.12**
Rudder Cable, Right, 193" ..... U0400107-50 ..... **$142.18**
Elevator Tab Forward Cable, 173.75" ..... U0400107-52 ..... **$116.50**
Elevator Tab Forward Direct Cable, 150" ..... U0400107-53 ..... **$116.50**
Elevator Tab Forward Cable, 176.62" ..... U0400107-54 ..... **$116.50**
Elevator Tab Forward Direct Cable, 153.87" ..... U0400107-55 ..... **$99.83**
Elevator Tab Forward Cable, 176.12" ..... U0400107-56 ..... **$103.17**
Elevator Tab Aft Carry-Thru Cable, 57.5" ..... U0400107-57 ..... **$79.94**
Aileron Crossover Cable, Right, 126.81" ..... U0400107-58 ..... **$108.26**
Aileron Crossover Cable, Left, 140.63" ..... U0400107-59 ..... **$108.26**
Aileron Cable, 108.75" ..... U0400107-60 ..... **$84.85**
Aileron Direct Cable, Left, 128.0" ..... U0400107-61 ..... **$101.59**
Elevator Up Aft Cable, 76.56" ..... U0400107-63 ..... **$97.84**
Elevator Down Aft Cable, 74.0" ..... U0400107-64 ..... **$157.38**
Aileron Direct Cable, Right, 129.56" ..... U0400107-65 ..... **$106.50**
Elevator Forward Cable, 94.44" ..... U0400107-66 ..... **$98.18**

Stainless Steel

Rudder Control Cable, 193.125" ..... U0400107-104 ..... **$189.76**
Elevator Up Control Cable, 167" ..... U0400107-105 ..... **$142.75**
Down Elevator Control Cable, 164.5" ..... U0400107-109 ..... **$132.10**
Elevator Tab Carry-Thru Forward Cable, 124.5" ..... U0400107-111 ..... **$126.23**
Aileron Carry-Thru Cable, 262.875" ..... U0400107-121 ..... **$284.46**
Flap Extend Forward Cable, 68.5" ..... U0400107-122 ..... **$137.78**
Flap Retract Forward Cable, 100" ..... U0400107-123 ..... **$137.78**
Flap Retract Cable, 96.75" ..... U0400107-126 ..... **$172.29**
Tab Actuator to Disconnect Cable, 56.25" ..... U0400107-128 ..... **$120.84**
Tab Wheel to Turnbuckle Cable, 100" ..... U0400107-129 ..... **$128.17**
Tab Actuator to Turnbuckle Cable, 76.875" ..... U0400107-130 ..... **$134.98**
Aileron Cable, 307.625" ..... U0400107-131 ..... **$344.61**
Flap Retract Cable, 94.75" ..... U0400107-133 ..... **$150.42**
Flap Extend Cable, 103.875" ..... U0400107-134 ..... **$126.53**
Aileron Cable, 293" ..... U0400107-135 ..... **$229.94**
Aileron Cable, 232.75" ..... U0400107-136 ..... **$246.81**
Flap Retract Forward Cable, 68.0" ..... U0400107-137 ..... **$114.30**
Flap Retract Cable, 58.5" ..... U0400107-138 ..... **$114.86**
Flap Extend Forward Cable, 55.375" ..... U0400107-139 ..... **$110.23**
Flap Extend Cable, 49.375" ..... U0400107-140 ..... **$109.15**
Aileron Cable, 233.75" ..... U0400107-141 ..... **$224.78**
Elevator Tab Forward Direct Cable, 169.875" ..... U0400107-142 ..... **$177.15**
Elevator Tab Carry-Thru Cable, 147.375" ..... U0400107-143 ..... **$198.15**
Flap Control Cable, 63.375" ..... U0400107-145 ..... **$87.70**
Flap Control Cable, 47.625" ..... U0400107-146 ..... **$79.39**
Rudder Forward Cable, 32.35" ..... U0400107-147 ..... **$100.53**
Rudder Aft Cable, 159.625" ..... U0400107-148 ..... **$190.27**
Rudder Cable, Left, 191.75" ..... U0400107-149 ..... **$185.35**
Rudder Cable, Right, 193" ..... U0400107-150 ..... **$181.60**
Rudder Centralizer Cable, 13.625" ..... U0400107-151 ..... **$77.54**
Elevator Tab Forward Cable, 173.75" ..... U0400107-152 ..... **$117.06**
Elevator Tab Forward Direct Cable, 150" ..... U0400107-153 ..... **$125.21**
Elevator Tab Forward Cable, 176.62" ..... U0400107-154 ..... **$118.04**
Elevator Tab Forward Direct Cable, 153.87" ..... U0400107-155 ..... **$141.98**
Elevator Tab Forward Cable, 176.12" ..... U0400107-156 ..... **$142.97**
Elevator Tab Aft Carry-Thru Cable, 57.5" ..... U0400107-157 ..... **$117.76**
Aileron Crossover Cable, Right, 126.81" ..... U0400107-158 ..... **$144.88**
Aileron Crossover Cable, Left, 140.63" ..... U0400107-159 ..... **$144.88**
Aileron Cable, 108.75" ..... U0400107-160 ..... **$177.74**
Aileron Direct Cable, Left, 128.0" ..... U0400107-161 ..... **$156.41**
Elevator Up Aft Cable, 76.56" ..... U0400107-163 ..... **$132.11**
Elevator Down Aft Cable, 74.0" ..... U0400107-164 ..... **$129.23**
Aileron Direct Cable, Right, 129.56" ..... U0400107-165 ..... **$171.92**
Elevator Forward Cable, 94.44" ..... U0400107-166 ..... **$154.70**

Cessna 170 – 177

Nose Cowl

FAA-PMA APPROVED

- Applicability: Cessna 170, 170A, and 170B through serial number 25372
- Aluminum

U0552000-13 ..... **$1,422.99**

Air Temperature Gauge

This thermometer has both Centigrade and Fahrenheit dial graduations. It can be installed through Plexiglas® windshield or cowling on most aircraft or through the center strip in the windshield.

2716A **$82.28**

Brake and Rudder Retainer Spring

Right ..... 0310196-3 ..... **$68.12**
Left ..... 0310196-4 ..... **$47.30**

170 Tail Surfaces

#3 Fin Rib ..... 0331108 ..... **$33.46**

Concorde Batteries

- Applicability: Cessna 170 thru 177 Series
- Valve regulated sealed lead acid batteries

12 Volt, 22 Amp Hour ..... RG-25 ..... **$368.00**
12 Volt, 24 Amp Hour, Extra Capacity ..... RG-25XC **$429.00**
12 Volt, 29 Amp Hour ..... RG-35A **$479.00**
12 Volt, 33 Amp Hour, Extra Capacity ..... RG-35AXC **$512.00**

Control Cables

Cable descriptions are basic. Please consult your aircraft parts manual for proper cable application for your model and serial number.

Rudder Control Cable, 224⅞", GS	0510105-1	**$230.52**
Elevator Control Cable, 177", GS	0510105-4	**$198.98**
Flap Cable, 119.688", GS	0510105-5	**$98.24**
Cessna Flap Cable, 43", GS	0510105-11	**$193.03**
Aileron Cable, Direct, 347⅛", GS	0510105-12	**$255.60**
Rudder Cable, SS	MC0510105-101	**$198.95**
Tailwheel Steering Cable, SS	MC0510105-138	**$169.36**

GS = Galvanized Steel • SS = Stainless Steel

Propellers

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McCauley, Aluminum

170A, 170B, Franklin 6A4	DM7652	**CALL**
170, 170A, 170B, 172, Continental O-300	DM7653	**CALL**
170A, 170B, Franklin 6A4	DM7654	**CALL**
170, 170A, 170B, 172, Continental C-145, O-300	MDM7653	**CALL**
170, 170A, 170B, Continental C-145	MDM7656	**CALL**
170A, 170B, Franklin 6A4	DM7649	**CALL**
172L–P, Lycoming O-320	DTM7553	**CALL**
172I–N, F172N, Lycoming O-320	DTM7557	**CALL**
172A–H, F172D–K, Continental O-300	EM7652	**CALL**
172I–N, F172L–N, Lycoming O-320	ETM8042	**CALL**
175 Seaplane, Continental GO-300	MFC8455	**CALL**
172A–H Seaplane, Continental O-300	SFC8040	**CALL**

Sensenich, Aluminum

170, Lycoming O-360	76EM8S5-0-54	**$8,330.60**
170, 172, Lycoming O-360	76EM8S5-0-56	**$8,330.60**
170 thru 175 Series, Lycoming O-360	76EM8S5-0-60	**$8,692.00**
172–172C, Continental O-300	74DC-0-56	**$8,960.80**
172, Lycoming O-300	74DR-0-56	**$8,960.80**
172, 172A, 175, 177, Lycoming O-360	76EM8-0-52	**$8,201.80**
172, 172A, 175, 177, Lycoming O-360	76EM8-0-54	**$8,201.80**
172, 172A, 175, 177, Lycoming O-360	76EM8-0-57	**$8,201.80**
172, 172A, 175, 177, Lycoming O-360	76EM8-0-58	**$8,201.80**
172, 172A, 175, 177, Lycoming O-360	76EM8-0-60	**$8,201.80**
172I–P, Lycoming O-320	74DM7-S14-58	**$8,330.60**
172I–M, Lycoming O-320	74DM7-S14-60	**$8,330.60**

172D–H Leading Edge Assembly

Leading Edge Assembly		
Right	0523003-11	**$3,327.59**
Left	0523005-55	**$1,092.01**

170 Tailwheel Springs and Parts

FAA-PMA APPROVED

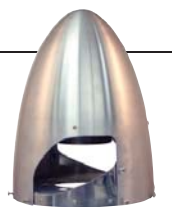
Tailwheel Spring Complete Set		
C-170	U170	**$333.12**
C-170A and B (pictured)	U170AB	**$335.21**
Main Leaf	U0542106	**$175.33**
Pawl (0442010-4)	U3219A	**$42.75**
Spring (0442010-5)	U3222	**$16.51**
Leaf Spring	U0442107	**$57.44**
Leaf Spring	U0442108-2	**$109.69**
Leaf Spring	U0442109-2	**$63.44**
Attach Bushing	0442129-1	**$241.59**
Attach Stiffener	0510000-33	**$763.41**
Leaf Spring	U0542105	**$101.93**

170 Wings

Drag Wires		
Wing Bays #1, #2 • 40.81" L	U0422008-6	**$85.27**
Wing Bay #3 • 42.63" L	U0422008-5	**$85.27**
Wing Bays #4, #5 • 45.69" L	U0422008-4	**$63.55**
Wing for 1948 Cessna 170, Uncovered, Right		
Right Wing (without flaps, ailerons or tank)	0520002-15	**$13,902.67**
Left Wing (without flaps, ailerons or tank)	0520002-16	**$13,902.67**
Landing Light Lens, Clear Acrylic	0523115-5	**$92.81**
Flap Control Spring	S4628-1451	**$118.35**
Nose Rib Assembly, Station 172	0523514-4	**$126.75**
Gasket	0523532	**$39.25**
Aileron Ribs		
#1, Left	0523808	**$96.43**
#1, Right	0523808-2	**$35.92**
#2, Left	0523809	**$46.48**
#2, Right	0523809-1	**$57.06**
#4, Left	0523811	**$75.84**
#4, Right	0523811-1	**$69.73**
Flap Trailing Edge Rib	0523923	**$94.42**
Wingtip, Left or Right (for 170A and 170B, not 170)	0623100	**$346.63**
Nose Rib Assembly, Station 208	U0720608-26	**$141.88**

Cessna 170 and Early 172 Spinner Assembly

FAA-PMA APPROVED



• For Continental 8 hole flanges

Spinner Back Plate	U0550162-3	**$308.55**
Spinner Dome	U0550162-7	**$842.93**
Spinner Assembly	U0550162	**$1,116.03**

172 Spinners

FAA-PMA APPROVED

1) Spinner Dome, for 172 A, B, C, D, E, F ..... U0550228-28 ..... **$882.06**

(All aluminum dome – approved to replace original style "plastic" dome)

2) Rear Plate, for 172 A, B, C, D, E, F ..... U0550228-26 ..... **$516.64**
3) Front Plate, for 172 A, B, C, D, E, F ..... U0550228-3 ..... **$726.16**
4) Front Plate, for 172 I, K, L, M, N, P and F172 L, M, N, P..... U0550321-4 ..... **$494.54**
4) Front Plate for 172P, Q, S/N 75869 – 76516 ..... U0552231-1 ..... **$623.67**
5) Rear Plate, for 172 I, K, L, M, N, P, Q..... U0550321-010 ..... **$590.84**
6) Spinner Dome, for 172 G, H, I, K, L, M, N, P, Q and F172 G, H, K, L, M, N, P ..... U0550236-8 ..... **$663.05**

172 Cowl Oil Door

FAA-PMA APPROVED

- Applicability: Cessna 172, A, B, C, D, E, F, G, H, I, J, K, L, M, N, P, Q

Cowl Oil Door ..... U0552173-27 ..... **$589.45**

175 Frame Aft Section

- Applicability: Cessna 175, serial numbers 55001 to 56238

Frame Aft Section .....0591201-4 ..... **$4,520.58**

172 – 175 Spring Service Kit

Main Door Latch Spring Replacement Kit.....SK172-16C **$221.40**

Windows • Windshields

Prices below are for clear windows and windshields only. Please see the **Windows & Windshields** beginning on page 300 for prices and availability of Solar Gray and Green tinted versions.

Cessna 170, 1948-1949 (Serial Numbers 18003 to 18728)
Windshield.....0510000-6 ..... **$455.90**
Left or Right Door Window.....0511106-3 ..... **$112.86**
Left or Right Rear Window .....0512000-54 ..... **$91.33**

Cessna 170A, 1950-1951 (Serial Numbers 18729 to 20266)
Windshield.....0510000-15 ..... **$478.91**
Left or Right Door Window.....0511106-104 ..... **$112.86**
Left or Right Rear Window .....0512000-54 ..... **$91.33**

Cessna 170B, 1952-1955 (Serial Numbers 20267 and up)
Windshield.....0510001-6 ..... **$495.99**
Left or Right Door Window.....0511106-104 ..... **$112.86**
Left or Right Rear Window
S/N 20267 to 26504.....0512000-54 ..... **$91.33**
S/N 26505 and up.....0591200-3 ..... **$83.16**

Cessna 172–177
172 Windshield (S/N 28000 to 47747) .....0510001-6 ..... **$495.99**
172 Windshield (S/N 47748 to 49544) .....0513300-16 ..... **$613.31**
172 Windshield (S/N 49545 to 50572) .....0513230-10 ..... **$635.58**
172 Windshield (S/N 50573 and up) .....0513230-12 ..... **$635.58**
R172 and FR172 Windshield .....0513230-20 ..... **$859.07**
175 Windshield (S/N 5001 to 5702) .....0513300-8 ..... **$677.90**
175 Windshield (S/N 57003 to 57119) .....0513300-16 ..... **$613.31**
177 Windshield .....1710000-9 ..... **$1,479.80**

Cessna 180 – 185

Control Cables

FAA-PMA APPROVED

Cable descriptions are basic. Please consult your aircraft parts manual for proper cable application for your model and serial number.

Galvanized Steel
Aileron Carry-Thru Cable, 295.13" ..... U0510105-13 ..... **$135.67**
Aileron Control Cable, 319.25" ..... U0510105-16 ..... **$195.28**
Flap Return Forward Cable, 36.38"..... U0510105-21 ..... **$74.85**
Flap Direct Forward Cable, 19.75" ..... U0510105-22 ..... **$94.85**
Elevator Control Upper Cable, 182.13"..... U0510105-24 ..... **$115.75**
Elevator Control Lower Cable, 178.75"..... U0510105-25 ..... **$100.85**
Rudder Control Cable, 229.5" ..... U0510105-26 ..... **$119.11**
Stabilizer Trim Forward Cable, 81.56"..... U0510105-28 ..... **$81.95**
Stabilizer Trim Aft Cable, 52.5"..... U0510105-29 ..... **$110.06**
Forward Rudder Cable, Left, 210.31"..... U0510105-51 ..... **$123.15**
Aft Rudder Cable, 27.75"..... U0510105-52 ..... **$76.71**
Flap Direct Outboard Cable, 68.88" ..... U0510105-59 ..... **$131.46**
Flap Return Outboard Cable, 56.88"..... U0510105-60 ..... **$69.87**
Flap Direct Inboard Cable, Left, 54.44"..... U0510105-61 ..... **$104.83**
Flap Direct Inboard Cable, Right, 51.94"..... U0510105-62 ..... **$79.12**
Flap Return Inboard Cable, Left, 68.38"..... U0510105-63 ..... **$75.84**
Flap Return Inboard Cable, Right, 65.19" ..... U0510105-64 ..... **$75.84**
Parking Brake Cable, 13.44" ..... U0510105-70 ..... **$89.82**
Forward Rudder Cable, Right, 200.75" ..... U0510105-71 ..... **$108.63**
Forward Rudder Cable, 20.69"..... U0510105-73 ..... **$75.78**
Elevator Trim Cable, 13.25"..... U0510105-79 ..... **$73.16**
Elevator Trim Cable, 15.63"..... U0510105-82 ..... **$66.53**
Control Yoke Cable, 44.31"..... U0510105-213 ..... **$89.85**
Control Yoke Cable, 16.75"..... U0510105-214 ..... **$120.84**
Control Yoke Cable, 16.75"..... U0510105-215 ..... **$87.90**

Control Yoke Cable, 18.75" ..... U0510105-216 ..... **$79.85**
Aileron Cable, 301.25" ..... U0510105-222 ..... **$141.48**
Flap Direct Outboard Cable, 76.88" ..... U0510105-225 ..... **$117.00**
Flap Direct Inboard Cable, Right, 44.0" ..... U0510105-226 ..... **$64.63**
Flap Direct Inboard Cable, Left, 46.38" ..... U0510105-227 ..... **$79.85**
Parking Brake Cable, 11.5" ..... U0510105-232 ..... **$60.80**
Forward Rudder Cable, Right, 200.5" ..... U0510105-237 ..... **$131.48**
Aileron Cable, 140.13" ..... U0510105-262 ..... **$96.51**
Aileron Carry-Thru Cable, Left, 159.38" ..... U0510105-264 ..... **$115.75**
Aileron Carry-Thru Cable, Right, 139.75" ..... U0510105-265 ..... **$114.83**
Parking Brake Cable, 11.38" ..... U0510105-278 ..... **$93.11**
Aileron Cable, 160.5" ..... U0510105-295 ..... **$113.26**

Stainless Steel

Aileron Carry-Thru Cable, 295.13" ..... U0510105-113 ..... **$205.67**
Aileron Control Cable, 319.25" ..... U0510105-116 ..... **$222.40**
Flap Return Forward Cable, 36.38" ..... U0510105-121 ..... **$93.37**
Flap Direct Forward Cable, 19.75" ..... U0510105-122 ..... **$95.09**
Tailwheel Steering Cable, 17.75" ..... U0510105-123 ..... **$90.91**
Elevator Control Upper Cable, 182.13" ..... U0510105-124 ..... **$132.49**
Elevator Control Lower Cable, 178.75" ..... U0510105-125 ..... **$131.40**
Rudder Control Cable, 229.5" ..... U0510105-126 ..... **$126.15**
Stabilizer Trim Forward Cable, 81.56" ..... U0510105-128 ..... **$111.20**
Stabilizer Trim Aft Cable, 52.50" ..... U0510105-129 ..... **$87.85**
Forward Rudder Cable, Left, 201.31" ..... U0510105-151 ..... **$139.59**
Aft Rudder Cable, 27.75" ..... U0510105-152 ..... **$86.52**
Tailwheel Steering Cable, 59.0" ..... U0510105-153 ..... **$104.18**
Flap Direct Outboard Cable, 68.88" ..... U0510105-159 ..... **$131.24**
Flap Return Outboard Cable, 56.88" ..... U0510105-160 ..... **$82.51**
Flap Direct Inboard Cable, Left, 54.44" ..... U0510105-161 ..... **$128.47**
Flap Direct Inboard Cable, Right, 51.94" ..... U0510105-162 ..... **$110.27**
Flap Return Inboard Cable, Left, 68.38" ..... U0510105-163 ..... **$121.72**
Flap Return Inboard Cable, Right, 65.19" ..... U0510105-164 ..... **$127.79**
Parking Brake Cable, 13.44" ..... U0510105-170 ..... **$76.24**
Forward Rudder Cable, Right, 200.75" ..... U0510105-171 ..... **$125.87**
Forward Rudder Cable, 20.69" ..... U0510105-173 ..... **$71.76**
Elevator Trim Cable, 13.25" ..... U0510105-179 ..... **$61.17**
Elevator Trim Cable, 15.63" ..... U0510105-182 ..... **$103.72**
Tailwheel Steering Cable, 58.81" ..... U0510105-196 ..... **$87.29**
Tailwheel Steering Cable, 59.56" ..... U0510105-199 ..... **$86.98**
Control Yoke Cable, 44.31" ..... U0510105-313 ..... **$103.91**
Control Yoke Cable, 16.75" ..... U0510105-314 ..... **$119.65**
Control Yoke Cable, 16.75" ..... U0510105-315 ..... **$82.79**
Control Yoke Cable, 18.75" ..... U0510105-316 ..... **$73.23**
Aileron Cable, 301.25" ..... U0510105-322 ..... **$209.07**
Tailwheel Steering Cable, 59.25" ..... U0510105-323 ..... **$95.93**
Flap Direct Outboard Cable, 76.88" ..... U0510105-325 ..... **$73.34**
Flap Direct Inboard Cable, Right, 44.0" ..... U0510105-326 ..... **$98.35**
Flap Direct Inboard Cable, Left, 46.38" ..... U0510105-327 ..... **$92.43**
Aileron-Rudder Interconnect Cable, 18.63" ..... U0510105-334 ..... **$161.74**
Forward Rudder Cable, Right, 200.5" ..... U0510105-337 ..... **$145.19**
Aileron Cable, 140.13" ..... U0510105-362 ..... **$102.11**
Aileron Carry-Thru Cable, Left, 159.38" ..... U0510105-364 ..... **$106.76**
Aileron Carry-Thru Cable, Right, 139.75" ..... U0510105-365 ..... **$101.28**
Tailwheel Lock Cable, 5.44" ..... U0510105-394 ..... **$69.27**
Aileron Cable, 160.5" ..... U0510105-395 ..... **$125.74**

Flap Roller Assembly

FAA-PMA APPROVED

- Applicability: Cessna 150-152, 170B, 172, 180, 185 series

Inside Bushing .....U0523919 ..... **$18.30**
Outboard Roller Bearing .....U0523920 ..... **$43.41**
Roller Bearing .....U0523921 ..... **$50.24**

Horizontal Stabilizer Trim Screw Parts

FAA-PMA APPROVED

- Applicability: Cessna 180, 185, 182-182D

Adjust Screw ..... U0712500-11 ..... **$438.15**
Adjust Barrel ..... U0712500-13 ..... **$167.38**

Elevator Bushing

- For Cessna 170 hinge and elevator bellcrank
- Also for 180, 185, 182 through 182D IB and OB hinge bushing and elevator arm upper bushing on 1962-82 Cessna 182

Bushing (AR4-1).....MS24462-4 ..... **$144.84**

Pushrod Bearings

Flap

Aileron

Flap Pushrod Bearing.....S1106-3 ..... **$60.69**
Aileron Pushrod Bearing .....S1819-3 ..... **$62.39**

182 Spinner Dome

FAA-PMA APPROVED

- For McCauley Constant Speed Propeller, on C-182H, J, K, L, M, N, P, Q, R
- Dome includes four U0752620-3 plastic spacer rings

Spinner Dome .....U0752637K200 ..... **$1,155.36**
Plastic Spacer Ring..... U0752620-3 ..... **$7.61**
Back Plate .....0752637-27 ..... **$5,126.23**

Concorde Batteries

- Applicability: Cessna 180 thru 188 Series
- Valve regulated sealed lead acid batteries

12 Volt, 22 Amp Hour ..... RG-25 ..... **$368.00**
12 Volt, 24 Amp Hour, Extra Capacity ..... RG-25XC **$429.00**
12 Volt, 29 Amp Hour ..... RG-35A **$479.00**
12 Volt, 33 Amp Hour, Extra Capacity ..... RG-35AXC **$512.00**

180 – 185 Engine

Front Shock Mount ..... J3804-14 ..... **$296.76**
Rear Shock Mount ..... 0750102-2 ..... **$526.62**
Baffle Support ..... 0750117-30 ..... **$271.26**

Cowl Flaps

FAA-PMA APPROVED

- Applicability: Cessna 180C, D, E, F, G, H, J, K
- 182B, C, D
- 185, 185A, B, C, D, E
- A185E, F

The cowl flaps on these airplanes are notorious for taking a real beating and the hinges are usually the first part to wear out. Univair's cowl flaps feature a replaceable stainless steel hinge which may be removed and replaced using screws. These cowl flaps are direct replacements for the OEM cowl flaps on the listed Cessna models.

Cowl Flap, Left ..... U0752014-1 ..... **$1,780.59**
Right ..... U0752014-2 ..... **$2,177.70**

180 – 185 Landing Gear

Landing Gear Fillet Plate, Right ..... 0713018-4 ..... **$900.87**
Tailwheel Spring Link (0742200-6) ..... U2133A-000 ..... **$3.55**
Tailwheel Bushing ..... 0742400-11 ..... **$224.75**

Trim Screw Adjusting Cam

FAA-PMA APPROVED

- Applicability: Cessna 180-180K, 182-182D, 185-185E, A185E, A185F

U0712502 ..... **$54.10**

Oil Door

FAA-PMA APPROVED

- Applicability: Cessna 180-180G, 182-182G, 185-185C
  U0752000-56 ..... **$658.85**
- Applicability: Cessna 182H, J, K, M, N, P
  U0552173-6 ..... **$348.93**

Windshields

Prices below are for clear windows and windshields only. Please see our website for prices and availability of Solar Gray and Green tinted options.

180 Windshield (S/N 30000 to 31260) ..... 0791300-4 ..... **$585.83**
180 Windshield (S/N 31261 to 50355) ..... 0791300-7 ..... **$689.78**
180 Windshield (S/N 50356 and up) ..... 0713100-10 ..... **$689.78**
182 Windshield (S/N 33000 to 51556) ..... 0791300-7 ..... **$689.78**
182 Windshield (S/N 51557 to 53598) ..... 0713100-10 ..... **$689.78**
182 Windshield (S/N 53599 to 55844) ..... 0713600-8 ..... **$757.35**
182 Windshield (S/N 55845 to 64295) ..... 0713287-11 ..... **$812.30**
R182 Windshield ..... 0713538-3 ..... **$812.30**
185 Windshield ..... 0713100-10 ..... **$689.78**

Rudder and Elevator Skins

FAA-PMA APPROVED

Elevator Skin

- Applicability: Cessna 180 through 180K, 182 through 182G, 185 through 185E, A185E and F
- To ensure that corrugations match, it is strongly recommended that skins are purchased in pairs

Top Left or Bottom Right Elevator Skin
U0734600-500 ..... **$353.20**
Top Right or Bottom Left Elevator Skin
U0734600-501 ..... **$353.20**

Rudder Skins (Sold in Pairs)

- Applicability: Cessna 180 through 180K, 182 through 182B, 185 through 185E, A185E and F
- To ensure that corrugations match, Univair only sells these parts in pairs
- Price includes both right and left skins

Rudder Skins ..... U0731000-500/501 ..... **$592.02**

Aileron Hinge

FAA-PMA APPROVED

- Applicability: Cessna 150, 152, 170A, 170B, 172, 180, 182, 185

Aileron Hinge Assembly ..... U0523816-1 ..... **$120.47**

Adjusting Screw Boot

FAA-PMA APPROVED

- Horizontal stabilizer jackscrew barrel boot
- Applicability: Cessna 180, 182 through 182D, 185

U0712500-18 ..... **$85.28**

Air Filter

- Applicability: Cessna 180 serial numbers 51184 and up; Cessna 185 all serial numbers

Air Filter (0750038-4) ..... P10-6150 ..... **$166.69**

Propellers

Univair furnishes a bolt kit with each propeller purchase. Bolt kits can also be purchased separately from our website.

Propeller descriptions below show basic aircraft/engine model applicability. Check manufacturer's websites for exact applicability before purchasing, or contact our sales staff at 1-888-433-5433 and we can research it for you.

Please note that we do not stock all of the propellers listed. Non-stocked propellers require 4-6 months for delivery.

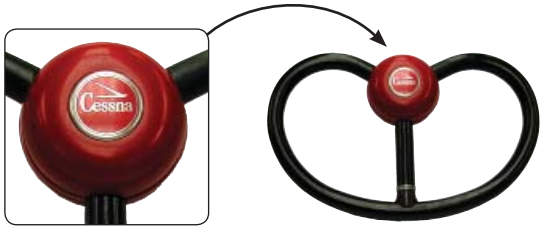
McCauley, Aluminum
188, 188A, 188B "AG Wagon", Continental O-470 ..... AOM9044 ..... **CALL**

Miscellaneous

Control Wheel and Cessna Hub Covers

- Plastic cover fits on hub of control wheel (sold separately)
- Cessna logo in center
- Hub cover available in three colors – red, black and maroon

Deluxe Control Wheel..... 415-52055-6 ..... **$124.58**
Cessna Hub Cover, Red ..... 52055-CES-RED **$59.00**
Black..... 52055-CES-BLK **$59.00**
Maroon..... 52055-CES-MAR **$59.00**



Cleveland Conversion Kits

Cleveland Wheels & Brakes are easy to install, easy to service, and replacement spare parts are easy on the wallet. Down time to change linings can be measured in minutes.

Cleveland is the world's largest manufacturer of wheels and brakes for general aviation. Our distribution network is strategically located to provide fast, dependable delivery and service anywhere – WORLDWIDE!

Applicability: 120, 140 (S/N 8004 to 13399), 140A (S/N 13400 and up), 170, 170A, 170B, 172, 172A to 172E, 175, 175A, 175B, 175C, P172D, 180, 180A to 180F, 182, 182A to 182G
Converts Goodyear to Cleveland. Cannot be used with crosswind landing gear. Installation per FAA STC SA13GL.
Tire size: 6.00-6 ..... 199-04600 ..... **$3,081.46**

Applicability: 120, 140 (S/N 8004 to 13399), 140A (S/N 13400 and up), 170, 170A, 170B, 172, 172A to 172E, 175, 175A, 175B, 175C, P172D, 180, 180A to 180F, 182, 182A to 182G
CHROME KIT. Converts Goodyear to Cleveland. Cannot be used with crosswind landing gear. Installation per FAA STC SA13GL.
Tire size: 6.00-6 ..... 199-04600CH ..... **CALL**

Applicability: 150, F150, A150, FA150, 152, A152, F152, FA152, 177, 177RG, F177RG, 182, A182, F182
Converts McCauley to Cleveland. Installation per FAA Form 337.[1]
Tire size: 6.00-6 ..... 199-08400 ..... **$5,566.39**

Applicability: 172, F172, R172, FR172
Converts McCauley to Cleveland. Installation per FAA Form 337.[1]
Tire size: 6.00-6 ..... 199-08401 ..... **$3,840.18**

Applicability: 180, 180A to 180F, 180H, 180J, 185, 185A, 185B, 185E, A185F, 206E, 206F, TU206E, TU206F
This kit is to be used only with Cessna axles. Part numbers 0541124 and 1441003-1 not for use on aircraft equipped with crosswind landing gear. Installation per FAA STC SA63GL.
Tire size: 8.00-6 ..... 199-06200 ..... **$3,618.32**

Applicability: 180, 180A to 180F, 180H, 180J, 185, 185A, 185B, 185E, A185F, 206E, 206F, TU206E, TU206F
CHROME KIT. This kit is to be used only with Cessna axles. Part numbers 0541124 and 1441003-1 not for use on aircraft equipped with crosswind landing gear. Installation per FAA STC SA63GL.
Tire size: 8.00-6 ..... 199-06200CH ..... **CALL**

Applicability: 180, 180A to 180F, 180H, 180J, 185, 185A, 185B, A185E, A185F, 206E, 206F, TU206E, TU206F, 210, 210A, 210B, 210C, 210K, 210L, 210M, T210C, T210K, T210L, T210M, T210N
This kit is to be used only with Cessna axles. Part numbers 0541124 and 1441003-1 not for use on aircraft equipped with crosswind landing gear. Installation per FAA STC SA52GL and SA62GL.
Tire size: 6.00-6 ..... 199-06000 ..... **$3,213.05**

Applicability: 190, 195, 195A, 195B
This kit is not for use on aircraft equipped with crosswind landing gear. Installation per FAA STC SA54GL.
Tire size: 6.50-10 ..... 199-06100 ..... **$8,786.14**

Applicability: 310, 310A through 310H, E310H, 310I, 310J, 310J-1, E310J, 310K, 310L, 310N, 310P, T310P, 310Q, T310Q, 310R, T310R, 320, 320-1, 320A, 320B, 320C, 320D, 320E, 320F
Installation per FAA STC SA110GL and SA111GL.
Tire size: 6.50-10 ..... 199-06400 ... **$15,162.17**

Applicability: 340, 340A, 401, 401A, 401B, 402, 402A, 402B, 411, 411A, 414
Upgrade existing Cleveland wheels/brakes to heavy duty wheels/brakes. Installation per FAA STC SA167GL and SA281GL.
Tire size: 6.50-10 ..... 199-07200 ... **$11,978.60**

[1] *The installer is required to obtain FAA field approval for the modification prior to returning the aircraft to service. Consult your local Flight Standards District Office (FSDO) for pre-approval guidelines.*

ERCOUPE • FORNEY • ALON • MOONEY

CONTENTS

Univair is the Type Certificate holder for the Ercoupe 415 series, Forney, Alon, and M-10 Cadet. We have thousands of quality parts specifically for these airplanes. Many of our parts are made on the original tooling that was used when these great aircraft were being made.

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Many parts can be correctly identified by the nomenclature listed in this section. However, we suggest that you also have the correct parts manual for positive identification.

Manuals

Description	Part #	Price
Alon A-2 Flight Manual (originally produced for U.K. CAA)	LFM	**$20.38**
Alon A-2 Service Bulletins	LSB	**$20.38**
Alon A-2/A-2A Service Manual	LSM	**$20.38**
Alon A-2A Owners Manual	LWM	**$13.42**
Ercoupe Service Bulletins/Memos	EBM	**$51.20**
Ercoupe Service Manual	ESM	**$35.78**
Ercoupe Flight Manual, 415-C*	CFM	**$13.42**

* The 415-C originally did not have a flight manual. It was not required at the time (reference Ercoupe Information Letter No. 2 [EIL-2]). What we supply is the 415-D flight manual and include a 415-C Weight and Balance Supplement.

Ercoupe Flight Manual, 415-D	DFM	**$13.42**
Ercoupe Flight Manual, 415-E/G/F-1	EGF	**$13.42**
Fundamentals of Elementary Ercoupe Flight Maneuvers	EFM	**$27.84**
Ercoupe Owners Instruction Manual	EWM	**$13.42**
Ercoupe Parts Manual	EPM	**$10.80**
Ercoupe Specifications, ADs and STCs	ESS	**$39.76**
Forney F-1 Instruction Manual	FWM	**$13.42**
Forney F-1A Parts Manual	FPM	**$29.82**
Forney F-1/F-1A Service Manual	FSM	**$29.82**
Forney F-1A Flight and Operation Manual	F1A	**$13.42**
Mooney M-10 Owners Manual, 1969	MWM69	**$24.85**
Mooney M-10 Owners Manual, 1970	MWM70	**$24.85**
Mooney M-10 Parts Catalog	MPM	**$29.82**
Mooney M-10 Service Manual	MSM	**$64.62**

Brake System

Description	Part #	Price
Angle	A33500-29	**$14.93**
Hydraulic Brake Pedal Arm	F33458	**$273.18**
Arm Linkage	F33478	**$105.34**
Bellcrank	415-33435	**$38.90**
Bellcrank	F33473	**$85.38**
Brake Line	415-33429	**$29.19**
Brake Cable Assembly	415-33448	**$76.74**
Fitting	415-33446	**$35.39**
Tube Fitting	415-33445	**$12.06**

Pulley Guard	415-33442	**$26.10**
Brake Handle	F33474	**$54.08**
Brake Handle	F33476	**$142.32**
Landing Gear Tube Tee, Left	415-33430	**$68.33**
Right	415-33431	**$62.77**
Brake Pedal Support, Left	415-33433-L	**$28.49**
Right	415-33433-R	**$28.49**
Tube Assembly, Left	415-33455	**$32.75**
Right	415-33456	**$34.38**
Tube Assembly, Left	F33457-L	**$27.32**
Right	F33457-R	**$27.32**
Lever Arm	A33500-13	**$8.11**
Plate	A33500-35	**$4.47**
Brake Reservoir Plug	415-33447	**$13.26**
Brake Cylinder Support	415-33440	**$46.92**
Support	F33472	**$227.67**
Trigger Arm	F33479	**$76.84**
Tube Assembly	415-33428	**$29.59**

Brake Reservoir Assembly Kit

- For hydraulic fluid brakes
- Kit includes all hardware necessary for installation

U33443A **$426.07**

Center Section

Description	Part #	Price
Channel, Left	415-13020-L	**$25.29**
Right	415-13020-R	**$25.29**
Lower Front Fitting, Left	415-13021-L	**$408.89**
Right	415-13021-R	**$408.89**
Gusset, Left	415-13023-L	**$32.01**
Right	415-13023-R	**$32.01**
Upper Fitting, Left Rear / Right Front	415-13025-L	**$408.89**
Left Front / Right Rear	415-13025-R	**$408.89**
Gusset	415-13030	**$11.35**
Beam Reinforcement	415-13031	**$78.79**
Stiffener, Left	415-13032-L	**$17.64**
Right	415-13032-R	**$17.64**
Stiffener, Left	415-13033-L	**$14.55**
Right	415-13033-R	**$14.55**
Stiffener, Left	415-13034-L	**$18.20**
Right	415-13034-R	**$18.20**
Stiffener, Left	415-13037-L	**$44.93**
Right	415-13037-R	**$44.93**
Lower Rear Fitting, Left	415-13038-L	**$408.89**
Right	415-13038-R	**$408.89**
Shim	415-13044	**$8.19**
Rear Beam Splice Channel	415-13049	**$128.73**
Stiffener	415-13051	**$22.85**
Center Fillet, Left	415-13054-L	**$124.50**
Right	415-13054-R	**$124.50**
Fairing Bottom, Left	415-13055-2-L	**$338.67**
Right	415-13055-2-R	**$338.67**
Fillet, Left	415-13055-L	**$322.54**
Stiffener, Right	415-13056-R	**$23.90**
Stiffener, Left	415-13057-L	**$43.64**
Right	415-13057-R	**$43.64**
Reinforcement	415-13062	**$53.54**
Shim	415-13065	**$3.54**
Stiffener	415-13102-1	**$8.51**
Stiffener	415-13102-2	**$9.10**
Floorboard Angle	415-13102-3	**$27.42**
Rear Beam, Left	415-13103-L	**$649.93**
Right	415-13103-R	**$586.70**
Window Track, Left	415-13106-L	**$112.83**
Right	415-13106-R	**$112.83**
Bracket, Left	415-13107-L	**$9.35**
Right	F13107-R	**$9.35**
Beam Fitting, Left	415-13121-L	**$136.63**
Right	415-13121-R	**$136.63**
Beam Fitting, Left	415-13125-L	**$133.78**
Right	415-13125-R	**$133.78**
Web, Left	415-13129-1	**$12.33**
Plate	415-13129-2	**$14.93**
Stiffener	415-13131	**$64.53**
Beam Fitting, Left	415-13138-L	**$133.15**
Right	415-13138-R	**$133.15**
Reinforcement Ring	415-13280-01	**$30.60**
Inspection Plate	415-13280-03	**$27.01**
Ercoupe Reinforcement Ring	415-13281-01	**$26.90**
Inspection Plate	415-13281-03	**$23.67**
Alon/Mooney Rod	A13270-57	**$32.77**
Fitting, Left	F13008-L	**$134.91**
Right	F13008-R	**$134.91**
Rear Beam Hinge	F13009	**$80.82**
Trailing Edge Stiffener	F13043	**$23.94**
Stiffener	F13061	**$34.14**
Reinforcement	F13109	**$27.88**
Reinforcement	F13120	**$8.51**
Shim	F13144	**$3.20**

Center Section Skins

Skin Assembly, Left	415-13040-1L	**$294.05**
Right	415-13040-1R	**$294.05**
Corrugated Skin	415-13041	**$73.98**
Corrugated Skin	415-13042	**$113.42**
Skin Assembly, Left	415-13047-1-L	**$250.51**
Right	415-13047-1-R	**$250.51**
Skin Assembly, Left	415-13047-L	**$731.06**
Right	415-13047-R	**$731.06**
Leading Edge Skin	415-13019	**$67.14**
Belly Skin	F13058-1	**$444.81**
Lower Skin Assembly, Left	F13147-1-L	**$347.74**
Right	F13147-1-R	**$347.74**

Center Section Ribs

Diagonal Rib, Left ..... 415-13004-L **$120.96**
Right ..... 415-13004-R **$120.96**
End Rib, Left ..... 415-13014-L **$129.61**
Right ..... 415-13014-R **$129.61**
Walkway Outer Rib, Left ..... 415-13015-L **$171.76**
Right ..... 415-13015-R **$171.76**
Rib, Left ..... 415-13016-2L **$162.37**
Right ..... 415-13016-2R **$162.37**
Walkway Inner Rib, Left ..... 415-13016-L **$171.54**
Right ..... 415-13016-R **$171.54**
Walkway Trailing Edge Rib, Left ..... 415-13017-L **$345.48**
Right ..... 415-13017-R **$345.48**
Walkway Trailing Edge End Rib, Left ..... 415-13018-L **$130.62**
Right ..... 415-13018-R **$130.62**
End Rib, Left ..... 415-13035-L **$187.55**
Right ..... 415-13035-R **$187.55**
End Rib, Left ..... 415-13135-L **$283.66**
Right ..... 415-13135-R **$187.55**
Walkway Box End Rib Assembly, Left ..... F13114-L **$723.68**
Right ..... F13114-R **$723.68**

Fillet Assembly

Left ..... F13060-L **$1,330.07**
Right ..... F13060-R **$1,330.07**

Center Section Cap Strips

Lower (S/N 1 to 812) ..... 415-13028 ..... **$5,778.64**
Lower (S/N 813 and up) ..... 415-13128 ..... **$5,952.01**

Cockpit • Interior

Description	Part #	Price
Tachometer Shaft	415-51016-28	**$16.64**
Elevator Trim Control Plate	415-51064	**$6.23**
Bottom Overlay Panel	415-51085	**$87.70**
Primer Handle	415-51088	**$16.51**
Trim Control Arm	415-51089	**$11.67**
Throttle Handle, Female	415-51090-1	**$22.85**
Male	415-51090-2	**$22.85**
Trim Control Handle, Female	415-51093-1	**$17.02**
Male	415-51093-2	**$17.02**
Throttle Catch Pawl	415-51094	**$13.04**
Cabin Heat Control	415-51107	**$107.46**
Cable Clamp Assembly	415-51108	**$9.35**
Shaft	415-51117	**$51.24**
Trim Nameplate	415-51121	**$14.18**
Cabin Air Control Cable	415-51158	**$134.28**
Hub Cover	415-52055-C	**$100.17**
Latch	415-53005-5	**$5.90**
Plate Cover	415-53028	**$9.10**
Yoke Blanks	415-53029-9	**$63.67**
Rear Deck	415-53071-1	**$90.78**
Plate Lock	415-53077	**$6.54**
Lock Plate	415-53082	**$46.96**
Jam Pin	415-53086	**$2.27**
Arm, Left	415-53089-L	**$27.84**
Right	415-53089-R	**$27.84**
Scuff Plate	415-53092	**$5.52**
Trim Strip	415-53124	**$2.85**
Clip Wire	415-53134-1	**$3.68**
Hinge	415-53135	**$62.41**
Side Cabin Soundproofing, Left	415-53137-L	**$9.10**
Right	415-53137-R	**$9.10**
Upper Firewall Soundproofing	415-53139	**$14.29**
Frame	415-53202	**$8.27**
Tube	415-53205	**$5.05**
Clip Mounting	415-53209	**$14.18**
Cable Assembly	415-53227	**$105.14**
Box Assembly	415-53302-16	**$74.03**
Fresh Air Housing	415-53302-7	**$30.15**
Alon Air Vent, Left	950208-011	**$272.80**
Right	950208-012	**$272.80**
Rubber Control Guide Packing	F51083-26	**$2.89**
Throttle Arm	F51091	**$39.56**
Trim Control Collar	F51092	**$193.23**
Torque Tube	F51111	**$175.28**
Bearing	F51114	**$12.79**
Quadrant Housing	F51123	**$56.88**
Quadrant Assembly	F51124	**$1,017.51**
Parking Brake	F51161	**$254.31**
Draft Seal, Left	F53212-L	**$43.32**
Right	F53212-R	**$43.32**
Felt Seal	F53215	**$21.43**

Cabin Sunshade

- Aluminum

415-53058A **$780.27**

Window Channel Welt

- 2 required per plane
- Priced and sold individually

415-53169 ..... **$68.20**

Original Control Wheel for Ercoupe

- Plastic cover fits on hub of control wheel (sold separately)
- Cessna logo in center
- Choose from three hub colors – red, black or maroon
- Control wheel available in black only

Hub cover
(sold separately)

Hub Cover on Control Wheel
(shown installed)

Control Wheel, For S/N 1 to 4423	415-52055-6	**$124.58**
415-C Control Wheel Shaft	415-52055-2	**$356.38**
415-D Control Wheel Shaft	415-52069-2	**$356.38**
Hub Covers, With Ercoupe Logo		
Red	52055-ERC-RED	**$59.00**
Black	52055-ERC-BLK	**$69.00**
Maroon	52055-ERC-MAR	**$59.00**

Ercoupe Baggage Compartment

415-53175 ..... **$256.92**

Glove Box

Glove Box, Left	415-51028-L	**$116.46**
Right	415-51028-R	**$116.46**
Glove Box Door	415-51013-20	**$292.20**
Glove Box Door (4424 & up)	415-51096	**$292.20**

Floors

Floorboard	415-52399	**$198.01**
Floorboard Cover Plate	415-53070	**$121.75**
Floor Support	415-53078	**$47.51**
Floorboard	F52492-1	**$59.79**
Floor Panel	F52492-2	**$63.75**
Slanting Floorboard	F53059-1	**$116.37**
Lower Floorboard Assembly	F53069	**$213.27**
Floorboard Support	F53080	**$24.21**
Rug Assembly, Model C, S/N up to 4424	F53174	**$184.80**
Rug Assembly, Model G, S/N 4424 and up	F53174-G	**$184.80**

Seats

Seat Bottom Assembly	415-53004	**$919.33**
Seat Back Side Member, Left	415-53007-L	**$581.52**
Right	415-53007-R	**$581.52**
Seat Back Top Rail	415-53008	**$148.02**
Seat Back Bottom Rail	415-53009	**$56.29**
Seat Back Center Member	415-53010	**$91.10**
Seat Assembly	415-53016	**$2,967.64**
Seat Back Frame	415-53016-B	**$1,817.66**
Seat Belt Fitting	415-53030	**$114.00**
Seat Belt Triangle	415-53036	**$88.65**
Safety Belt Fastener Shackle	415-53037	**$9.88**
Seat Hinge Pin	415-53134-2	**$47.29**
Seat	415-53242	**$7.10**
Head Rest	415-53243	**$22.85**
Back Seat Frame	F53231	**$525.74**

Control System

Description	Part #	Price
Control Mast Shaft	415-52058	**$99.05**
Control Mast Arm	415-52068	**$480.13**
Control Wheel Shaft	415-52069-2	**$356.38**
Chain Assembly	415-52107	**$35.66**
Universal Joint	415-52113	**$438.39**
Tall Control Column Shaft, for Ercoupe and Forney	415-52129	**$2,160.29**
Short Control Column Shaft, For Alon	F52129	**$1,668.54**
Shaft and Column Quadrant	415-52137	**$324.16**
Control Column Shim	415-52149	**$4.01**
Control Wheel Guide	415-52150	**$110.16**
Arm Assembly Kit	415-52177	**$70.00**
Arm Assembly	415-52180	**$40.99**
Holder, Left Half	415-52182-1	**$38.65**
Right Half	415-52182-2	**$38.65**
Mooney Bellcrank Elevator Arm	415-52204	**$141.58**
Elevator Arm Shaft	415-52208-1	**$22.23**
Elevator Control Arm Assembly	415-52228	**$58.81**
Handle Crank	415-52236	**$11.10**
Trim Crank Knob	415-52244	**$3.40**
Rudder Pedal	415-52390	**$1,515.58**
Pedal Assembly	415-52390-A	**$1,360.70**
Pulley Assembly	415-52395-R-A	**$149.31**
Arm Assembly	415-52403	**$164.57**
Rudder Bellcrank	415-52427	**$592.00**
Alon Shaft Assembly	A52435-19	**$734.36**
Alon Control Mast	A52437	**$683.05**
Control Mast	A52437-3	**$1,171.76**
Strap Assembly	A52437-9	**$230.45**
Control Mast Rudder Arm	F52040	**$124.64**
Mast Support	F52047	**$711.53**
Control Mast Assembly	F52057	**$1,024.59**
Trim Control Wire	F52070-33	**$60.39**

Control Column	F52118	**$1,560.73**
Control Column Base Assembly	F52135	**$283.20**
Mooney Terminal	F52165	**$109.85**
Elevator Control Assembly	F52245	**$468.00**
Bellcrank Assembly	F52297	**$663.30**
Bellcrank Assembly	F52305	**$648.61**
Bellcrank Bracket, Left	F52307-L	**$860.58**
Right	F52307-R	**$860.58**
Rudder Pedal Shaft	F52460-3	**$41.54**
Rod Assembly With Stud	F52479-9	**$138.03**

Pushrod Assemblies

Pushrod Assembly, Rudder to Bellcrank	415-52022	**$372.27**
Pushrod, Elevator to Bellcrank, S/N 1623 to 4869	415-52023	**$125.21**
Pushrod, Elevator to Bellcrank, S/N 4870 and up	415-52024	**$133.78**
Pushrod, Control Column to Nose Gear, Socket Type	415-52035	**$263.83**
Pushrod Assembly, Control Column to Mast	415-52036	**$263.83**
Pushrod Assembly, Control Mast to Aileron Bellcrank	415-52038	**$224.72**
Pushrod, No Ends	F52034	**$240.02**
Elevator Pushrod, Control Column to Bellcrank	F52039	**$108.14**

Fairleads

Fairlead, Center Section Elevator Cable	415-52226	**$5.05**
Fairlead, Center Section Rudder Cable	415-52227	**$7.10**
Fairlead, Front Bottom Elevator Trim Cable	415-52237	**$5.05**
Fairlead, Front Beam And Diagonal Rib	415-52247	**$7.41**
Fairlead Assembly	415-52278	**$13.70**
Fairlead Assembly	415-52397	**$75.93**
Fairlead Assembly	415-52397A	**$263.37**
Fairlead, Control Nose Landing Gear Pushrod	F52056	**$11.35**

Control Cables

Cable descriptions are basic. Please consult your parts manual for application.

Throttle Control Cable	415-51048	**$444.41**
Starter Control Cable	415-51052	**$37.02**
Brake Control Cable	415-51065	**$223.10**
Mixture Control Cable	415-51104	**$120.24**
Carburetor Heat Control Cable	415-51105	**$225.31**
Throttle Control Cable	415-51138	**$422.13**
Quadrant Cable	415-52172-S	**$164.41**
Elevator Control Cable	415-52225	**$324.20**
Elevator Trim Cable	415-52268	**$101.16**
Rudder Pedal Control Cable	415-52398	**$117.25**
Rudder Cable	415-52423	**$119.34**
Alon Starter Control Cable	A51401-5	**$226.26**
Starter Control Cable	F51106	**$428.47**
Throttle Control Cable, Vernier Type	F51320	**$215.65**
Throttle Control Cable, Friction Lock	F51320-1	**$315.68**
Rudder Cable	F52482	**$103.92**
Rudder Cable	F52483	**$103.92**

Electrical System

Description	Part #	Price
Master Switch Plate	415-54045	**$7.10**
Master Switch Guard	415-54047	**$39.27**
Light Assembly, Left	415-54101-L	**$710.69**
Right	415-54101-R	**$710.69**
Shield	415-54102-02	**$17.38**
Shield	415-54102-03	**$17.38**
Light Housing Assembly, Left	415-54102-L	**$461.12**
Right	415-54102-R	**$461.12**
Bulb Ring	415-54103-01	**$87.92**
Harness Landing Light	415-54104	**$99.59**
Alon Light Fairing	A17-3	**$41.41**
Beacon Lens, Red	B12-4	**$43.10**
Landing Light Lens	F14099	**$85.80**

Wiring

Ignition Wire Assembly	F54048-11	**$14.18**
Wire Assembly, Junction Box to Wing, Right	F54048-14	**$19.90**
Ground Wire, Wing Light, Left	F54048-18	**$5.05**
Ground Wire, Wing Light, Right	F54048-19	**$5.05**
Ground Wire, Tail Light	F54048-20	**$9.10**
Wire Assembly	F54048-27	**$14.82**
Wire Assembly	F54048-29	**$13.98**
Wire Assembly	F54048-30	**$13.98**
Wire Assembly	F54048-72	**$19.90**

Wing Landing Light Lens

- Clear

F14099 **$85.80**

Alon Clear Tail Cone Lens

- For new style tail cone

470011-013 **$127.70**

Battery Box

Battery Box with Extended Sides, Excludes Lid	415-54035	**$458.89**
Battery Box Extension Plate	415-54043	**$59.75**
Battery Box Assembly, with Lid	F54070	**$1,171.55**
Battery Box Cover Wing Bolt Assembly	415-54037	**$30.85**
Battery Box Cover, with Rubber Seal	415-54040	**$436.37**
Battery Box Cover	415-54075	**$282.62**
Battery Box Top	F54094	**$214.61**
Battery Box Warning Decal	415-54062	**$15.55**

Concorde Batteries

- Valve regulated sealed lead acid batteries

Ercoupe 415 Series, Forney, Alon, Mooney M-10
12 Volt, 22 Amp Hour ..... RG-25 ..... **$368.00**

Mooney M20, M20A thru K
12 Volt, 33 Amp Hour, Extra Capacity ..... RG-35AXC **$512.00**

Engine • Cowling

Description	Part #	Price
Strap Tube Baffle	415-40198	**$4.25**
Rear Head Strap	415-40406	**$55.23**
Front Head Strap	415-40407	**$64.98**
Front Barrel Strap	415-40412	**$40.32**
Rear Barrel Strap	415-40413	**$24.55**
Lever Assembly	415-40431	**$11.15**
Strap Assembly	415-40457	**$108.91**
Strap Assembly	415-40459	**$106.94**
Inlet Assembly	415-40474	**$205.20**
Oil Cooler Scoop	415-40480	**$374.64**
Right Side Scoop	415-40486	**$24.48**
Chafe Strip	415-40523-29	**$1.45**
Heater Box Air Control Guide	415-40528	**$6.23**
Winter Front Cover Plate Assembly	415-40554-S	**$167.04**
Flex Tube, Baffle to Cabin Heater	415-40572	**$98.81**
Starter Cable Support Bracket	415-40591	**$24.18**
Oil Pressure Tube	415-47016	**$70.70**
Oil Gauge Tube	415-47116	**$36.40**
Cabin Heat Box Assembly	F40074	**$342.54**
Alon/Mooney Strap	F40400-89	**$16.71**
Felt Forward Strip	F40532-9	**$27.90**
Lower Longitudinal	F40558-6	**$67.76**
Oil Access Door	F40560-1	**$203.23**
Right Front Baffle	F40569	**$83.12**
Alon/Mooney Carburetor Air Box	F40672-1	**$1,093.72**
Oil Gauge Tube Assembly	F47117	**$35.81**
Oil Pressure Hose	F48201-1	**$113.94**
Carburetor Hose	F48201-4	**$88.78**
Oil Breather Hose	F48201-5	**$48.13**

Cowling Nameplate

While they last!

- Aluminum
- Red with black lettering
- Approximately 10" wide by 7" tall

Left Side Nameplate ..... 415-00012 ..... **$78.21**
Right Side Nameplate ..... 415-00011 ..... **$78.21**

Cowling

Upper Longitudinal, Left ..... 415-40038-L **$302.49**
Right ..... 415-40038-R **$302.49**
Bottom Longitudinal, Dzus, Left ..... 415-40047-L **$244.21**
Right ..... 415-40047-R **$244.21**
Side Cowl Gusset ..... 415-40245 ..... **$25.65**
Cowl Cover Plate ..... 415-40252 ..... **$113.84**
Lower Longitudinal ..... A40558 ..... **$125.21**
Upper Longitudinal, Left ..... F40035-L **$307.40**
Right ..... F40035-R **$307.40**
Forney Bottom Cowl ..... F40079 ..... **$1,249.88**
Alon Bottom Cowl Assembly ..... F40079A **$1,601.01**
Lower Longitudinal, Camloc, Left ..... F40558-L **$244.41**
Right ..... F40558-R **$244.41**
Side Cowl Door Stiffener, Left ..... F40036-L **$133.74**
Right ..... F40036-R **$133.74**

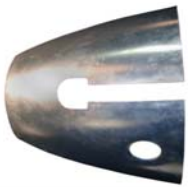
Aluminum Nose Cowl Assembly

Nose Cowl, Without Cold Air Intake Hole
415-40451 ..... **$1,631.43**
Nose Cowl, With Cold Air Intake Hole
415-40460 ..... **$1,726.61**

Engine Top Cowl Assembly

For S/N 113 to 2622 ..... 415-40422 ... **$1,091.20**
For S/N 2623 and up ..... F40532 ... **$1,072.63**

Engine Bottom Cowl Assembly



- Less cover plate

415-40040 ..... **$1,156.52**

Side Cowl Assembly

Side Cowl, Dzus, for S/N 1 to 2622
Right ..... 415-40090-R **$1,303.19**
Left ..... 415-40090-L **$1,303.19**
Side Cowl, Camloc, for S/N 2623 and up
Right ..... F40559-R **$1,138.66**
Left ..... F40559-L **$1,001.08**

Spark Plug Fairings

Mooney

Ercoupe

Mooney Spark Plug Fairing, 17" long ..... F40253 ..... **$138.22**
Ercoupe Spark Plug Fairing, 14.75" long ..... 415-40428 ..... **$159.32**

Baffles

Baffle Rocker	415-40058	**$102.43**
Rocker Baffle Assembly	415-40066	**$14.91**
Baffle Assembly	415-40070	**$15.40**
Baffle	415-40076	**$6.88**
Bottom Exit Baffle	415-40169	**$101.79**
Side Baffle, Left	415-40174-L	**$17.42**
Right	415-40174-R	**$17.42**
Side Baffle, Right	415-40404	**$212.27**
Head Filler Baffle	415-40411	**$19.69**
Rear Baffle, Left	415-40473	**$736.30**
Baffle	415-40483	**$66.30**
Baffle	415-40484	**$61.61**
Oil Sump Baffle (for C-85 engine)	415-40488	**$500.46**
Inner Front Baffle, Left	415-40525	**$21.95**
Front Baffle, Left	415-40526	**$41.31**
Baffle	415-40597	**$46.08**
Baffle	415-40598	**$46.08**
Baffle Assembly	415-40599	**$312.43**
Rear Baffle Assembly, Right	F40461	**$526.46**
Baffle	F40461-9	**$25.88**
Baffle	F40462	**$116.41**
Baffle	F40465-1	**$188.87**
Oil Cooler Baffle, Left	F40485	**$46.08**
Side Baffle, Left	F40405	**$221.04**
Oil Sump Baffle Gusset, Left	F40487-L	**$515.41**
Right	F40487-R	**$515.41**
Top Baffle, Left	F40496	**$150.95**
Baffle	F40496-3	**$72.85**
Top Baffle, Right	F40497	**$147.26**
Rear Baffle, Left (without oil cooler)	F40504	**$310.14**
Baffle Seal	F40504-13	**$23.68**
Baffle	F40635	**$329.34**

Ercoupe Engine Mount

- Applicability: All Ercoupe 415 series
- Supersedes part number 415-31920

F31920 ..... **$3,979.86**

Engine Mount Bushings

- For C series Continentals
- Rubber
- Priced and sold individually

U22387A **$7.22**

Air Filter Screen

Paper Type • For 415 Series

Filter Screen ..... 415-40585-1 ..... **$121.60**

Foam Type • For 415 Series

Filter Element ..... BA-8805 ..... **$11.16**

Filter Assembly ..... BA-8810 ..... **$60.35**

Carburetor Induction Manifold

Continental A-65, C-75, C-85, and C-90 Engines
U35145 ..... **$498.44**

Continental O-200 Engine
U35145-A1 ..... **$661.85**

Frame Tank Filler Neck Grommet

- Rubber

F40430 ..... **$28.90**

Nose Cowl Mounting Rings

Mounting Ring For DZUS Fastener Cowl
(S/N 1 to 2623) ..... 415-40244D **$1,243.61**

Mounting Ring For CAMLOC Fastener Cowl
(S/N 2624 and up) ..... 415-40244C **$1,243.61**

Engine Cowling Nose Mount Assembly
(S/N 2623 and up) ..... 415-40255 ..... **$813.71**

Exhaust System

Exhaust System

- Applicability: Ercoupe 415 series and early Forney

Muffler Attach Clamp	415-40167	**$127.30**
Ercoupe Heat Muff Assembly	415-40478	**$24.37**
Ercoupe Muffler	415-40511-1	**$1,358.94**
Ercoupe Heat Shroud	415-40515	**$396.38**
Ercoupe Inlet Assembly	415-40516	**$94.16**
Ercoupe Plate	415-40516-2	**$3.20**
Ercoupe Coupling Assembly	415-40519	**$119.86**
Ercoupe Carburetor Heat Shroud Assembly	415-40520	**$317.73**
Alon Shroud	A40708	**$560.40**
Exhaust Stack, Left	U-415-40401-S	**$1,418.49**
Right	U-415-40402-S	**$1,418.49**

Frame

Description	Part #	Price
Forward Lower Skin	415-31007-1	$796.05
Upper "B" Frame	F31009	$109.95
Frame "E" Bracket	F31012-2	$1.67
Frame Assembly "F"	415-31013	$594.78
Frame Assembly "G"	415-31014	$144.01
Frame Assembly "H"	F31015	$113.55
Frame Assembly "I"	F31016	$124.96
Frame Assembly "J"	F31017	$139.45
Frame Assembly "K"	F31018	$186.83
External Longeron, Left	F31019-L	$390.52
Right	F31019-R	$390.52
Frame Inner Skin Assembly	415-31035	$443.68
Tail Cone Fairing Assembly	F31039	$1,505.57
Windshield Trim Cover	415-31041	$237.65
Frame Lower Control Support, Left	415-31044-L	$113.79
Right	415-31044-R	$96.77
Frame Upper Control Support, Left	415-31045-L	$108.94
Right	415-31045-R	$108.94
Frame Rear Top Skin Stiffener	415-31046	$656.01
Reinforcement Angle	415-31052-7	$98.30
Reinforcement Angle	415-31052-8	$140.51
Bottom Skin Former, Left	415-31054-L	$14.42
Right	415-31054-R	$14.42
Upper Firewall Fitting, Left	415-31062-L	$263.04
Right	415-31062-R	$263.04
Lower Firewall Fitting, Left (F31063-L)	600264-L00	$293.90
Right, Mooney	600264-R00	$293.90
Right, Ercoupe	F31063-R	$293.90
Antenna Support	F31068	$9.72
Engine Top Cowl Support Bumper	F31076	$7.95
Frame Channel	415-31089	$54.42
Stiffener	415-31091-1	$8.51
Stiffener	415-31091-2	$8.51
Bottom Tail Cone Skin	415-31092	$624.06
Side Tail Cone Skin, Left	415-31093-1L	$675.66
Right	415-31093-1R	$675.66
Top Tail Cone Skin	415-31094	$647.58
Lower Firewall Skin (Skin Only)	415-31099-1	$225.88
Lower Frame "B" (415-31100)	415-31100-1	$269.42
Lower Half Frame "C"	415-31101	$632.47
Support, Left	415-31105-L	$42.11
Right	415-31105-R	$42.11
Frame "A" to "C" Lower Longitudinal, Left	F31106-L	$311.27
Right	F31106-R	$311.27
Frame "A" to "B" Lower Longitudinal, Left	415-31107-L	$174.00
Right	415-31107-R	$174.00
Frame "A" to "B" Stiffener, Left	415-31108-L	$21.34
Right	415-31108-R	$21.34
Frame "A" to "C" Stiffener, Left	F31109-L	$93.92
Right	F31109-R	$93.92
Frame "A" to "B" Upper Longitudinal, Left	415-31110-L	$42.68
Right	415-31110-R	$42.68
Frame "A" to "C" Upper Longitudinal, Left	415-31111-L	$540.19
Right	415-31111-R	$540.19
Gas Tank Support, Left	415-31112-L	$123.98
Right	415-31112-R	$123.98
Stiffener Assembly, Left	F31113-L	$35.61
Right	F31113-R	$35.61
Frame "E" to "F" Lower Stiffener, Left	F31114-L	$45.47
Right	F31114-R	$45.47
Frame "D" to "F" Upper Stiffener, Left	415-31115-L	$36.69
Right	415-31115-R	$36.69
Frame "E" to "F" Upper Stiffener, Left	415-31116-L	$36.69
Right	415-31116-R	$36.69
Frame Fuel Tank Brace, Left	415-31118-L	$11.10
Right	415-31118-R	$11.10
Lower Firewall Reinforcement	415-31125	$22.85
Upper Firewall Fairlead	415-31126	$8.51
Windshield Weatherstrip, 65"	415-31130	$39.24
Windshield Sealing Strip, 54.25"	F31131-1	$38.18
Windshield Sealing Strip, 64"	F31131-2	$47.55
Frame Fuel Tank Sealing Strip, 49"	F31131-3	$33.92
Frame "E" to "F" Lower Stiffener, Left	F31133-L	$55.94
Right	F31133-R	$55.94
Fuel Gauge Bracket	415-31137	$5.67
Frame "D" Upper Support	415-31142	$105.74
Attaching Bracket, Left	F31143-L	$16.00
Right	F31143-R	$16.00
Frame "D" Assembly (without Upper Support 31142)	F31144	$1,220.35
Upper Channel, Left	F31145-L	$133.69
Right	F31145-R	$133.69
Front Window Track Channel, Left	415-31146-L	$59.75
Right	415-31146-R	$59.75
Channel, Left	415-31147-L	$69.47
Right	415-31147-R	$69.47
Front Windshield Frame "C"	415-31150	$287.95
Frame "D" Upper Splice Plate	415-31152	$4.14
Floor Support	415-31154	$65.91
Frame Rear Bottom Skin	F31160-1	$93.92
Frame Read Side Skin, Left	F31160-2-L	$701.99
Right	F31160-2-R	$701.99
Frame Rear Top Skin	F31160-3	$1,645.60
Junction Box (31160-17)	40099	$9.06
Frame Floor Support Assembly	415-31163	$16.84
Floor Support	415-31169	$239.90
Fitting Assembly, Left	415-31184-L	$83.80
Right	415-31184-R	$83.80
Mounting Bracket	415-31187	$8.53
Crank Cover Plate, Left	415-31194-L	$141.88
Right	415-31194-R	$141.88
Windshield Strip Assembly	415-31204	$278.17
Trim Crank Nameplate (S/N 1623 to 4423)	415-31211	$50.80
Crank Cover Plate Assembly	415-31212	$209.93
Panel to "B" Panel Brace	415-31228	$18.20
Frame "A" to "C" Upper Longitudinal	415-31229	$99.05
Upper to Lower Firewall Stiffener	F31235-1	$54.00
Panel to Frame Tank Panel Brace	F31237	$11.95
Front Frame Upper Felt Pad	415-31238	$6.78
Panel to Firewall Throttle Brace	F31239	$103.72

Throttle to Brace Throttle Clamp ..... 415-31241 ..... **$58.81**
Upper Front Frame Skin, "B" to "C" ..... F31245-1 ..... **$250.29**
Frame "A" to "C" Side Skin, Left ..... F31245-2-L **$715.03**
Right ..... F31245-2-R **$715.03**
Skin, Upper Front Fuselage "A" to "B" ..... F31245-5 ..... **$435.75**

Ercoupe Firewall

- Stainless steel

415-31078 ..... **$1,578.82**

Fuel System

Part descriptions below are basic. Please consult your aircraft parts manuals or our website for exact make, model and serial number applicability.

Description	Part #	Price
Mooney Fuel Cap and Gasket, Thermos Type	610014-001	**$97.24**
Alon Fuel Gauge, 6 Hole	610189-003	**$319.45**
Fuselage Tank Back Pad	415-31124-5	**$12.35**
Fuselage Tank Pad Set	415-31124-S	**$101.02**
Engine Primer Jet Nipple	415-40565-2	**$170.33**
Sight Tube Gasket	415-48016	**$4.21**
Filler Neck	415-48033-1	**$22.25**
Strainer	415-48055	**$34.83**
Fuel Gauge Float	415-48057-1	**$24.03**
Rear Support Tube	415-48076	**$67.76**
Front Support Tube	415-48096	**$90.89**
Gauge Ring	415-48113	**$5.67**
12 Hole Fuel Gauge	415-48114	**$439.94**
Fuel Float Dial	415-48136	**$335.60**
Fuel Gauge Dial	415-48137	**$53.61**
Fuel Cap and Float Assembly	415-48186	**$187.29**
Gascolator Bracket	415-48308-001	**$51.49**

Tube Assemblies

Fuel System Tube Assembly, Left to Right Tank ..... 415-48060 ..... **$83.84**
Tube Assembly, Wing Tank to Firewall ..... 415-48061 ..... **$177.20**
Tube Assembly, Fuel Tank to Right Tank ..... 415-48062 ..... **$22.23**
Tube Assembly, Frame Tank to Firewall ..... 415-48063 ..... **$30.71**
Tube Assembly, Firewall to Frame Tank Return ..... 415-48064 ..... **$19.36**
Tube Assembly, Primer to Firewall ..... 415-48068 ..... **$19.90**
Wing Gauge Vent Tube ..... 415-48089 ..... **$25.61**
Tube Assembly, Union to Firewall ..... 415-48090 ..... **$35.73**
Tube Assembly, Fuel Tank to Tee ..... 415-48109 ..... **$110.15**
Tube Assembly, Tee to Shut-Off ..... 415-48110 ..... **$27.90**
Tank Overflow Tube, Frame Tank to Left Tank ..... 415-48131 ..... **$55.07**
Tank Tube Assembly, Firewall to Frame Tank ..... 415-48132 ..... **$30.71**
Tube Assembly, Fuel Tank to Union Overflow ..... 415-48133 ..... **$24.21**
Overflow Tube Assembly, Fitting to Left Tank ..... 415-48134 ..... **$39.81**
Tube Assembly, Fuel Tank to Tee, Left or Right ..... 415-48155 ..... **$21.87**
Tube Assembly, Tee to Tee Interconnecting ..... 415-48159 ..... **$249.15**
Tube Assembly, Tee to Elbow Overflow ..... 415-48161 ..... **$21.65**
Tube Assembly, Tee to Elbow Overflow ..... 415-48162 ..... **$111.76**
Tube Assembly, Frame Shut-Off to Firewall ..... 415-48163 ..... **$55.07**
Tube Assembly, Firewall to Frame Tank ..... 415-48164 ..... **$58.32**
Tube Assembly, Union to Firewall ..... 415-48165 ..... **$29.59**
Service Line, Reducer to Elbow ..... 415-48175 ..... **$17.64**
Tube Assembly, Reducer to Elbow ..... 415-48176 ..... **$26.74**
Tube Assembly, Forward Side Frame "D" to Tank ..... 415-48177 ..... **$27.90**
Tube Assembly, Cut-Off to Union ..... 415-48188 ..... **$19.62**

Welded 9 Gallon Wing Fuel Tanks

- Applicability: Forney, Alon, and Mooney M-10 models with gauge in left tank
- Welded aluminum

Left Tank ..... 610182-501 ..... **$3,832.31**
Right Tank ..... 610182-503 ..... **$3,941.28**

Fuel Caps for 9 Gallon Tanks

Fuel Cap, Vented ..... 415-48073 ..... **$131.45**
Fuel Cap, Unvented ..... F48183 ..... **$334.69**

6 Gallon Frame Fuel Tanks

- Please call our sales department prior to ordering
- Welded aluminum

Ercoupe, S/N 2623 and up
U-415-48145 ..... **$3,109.08**

Forney, Alon
A48301 ..... **$2,747.13**

Mooney M-10 Cadet
610181-501 ..... **$2,572.76**

Fuel Tank Strainer

To be used in the fuselage tank outlet. This little strainer measures 3/8" in diameter and 1 7/8" long. It has brass end fittings that measure 5/16" in outside diameter up to the collar, which has a 7/16" outside diameter.

Fuel Tank Strainer ..... 415-48081-1 ..... **$30.04**

Univair aircraft parts have been made in the U.S.A. since 1946

Instruments • Gauges

Description	Part #	Price
Instrument Panel Trim Strip	415-51045	**$50.11**
Compass Card	415-51061	**$3.40**
Compass Card Cover	415-51062	**$2.27**
Ignition Switch Plate	415-51080	**$5.65**
Throttle Catch Barrel	415-51098	**$227.65**
Throttle Catch Disc	415-51099	**$53.62**
Trim Panel	415-51125	**$12.55**
Bottom Overlay	415-51133	**$63.98**
Navigation Light Nameplate	415-51135	**$15.62**
Compass Card Assembly	415-51140	**$19.07**
Ignition Switch Plate	415-51142	**$11.35**
Instrument Panel Overlay, 6 Holes	415-51174	**$350.69**

Blank Instrument Panel

- Applicability: Serial numbers up to 4424

Modernize your Ercoupe panel!
Lay out your own instrument and radio arrangement using the Univair blank instrument panel which has locating holes only for the two control columns. FAA field approval required.

Blank Instrument Panel ..... 415-51081-B **$605.41**

Landing Gear

Description	Part #	Price
Piston End Assembly, Main Landing Gear Oleo Strut	415-33109	**$55.19**
Piston Cup, Main Landing Gear Oleo Strut	415-33119	**$50.89**
Shaft, Main Landing Gear Knee Joint	415-33128	**$165.55**
Tapered Attach Washer	415-33132	**$42.41**
Main Landing Gear Upper Leg Assembly, Left	415-33144-L	**$372.37**
Right	415-33144-R	**$372.37**
Main Landing Gear Knee Joint Stud	415-33155	**$14.69**
Main Gear Oleo Strut Piston Assembly	415-33164	**$496.25**
Main Landing Gear Lower Leg Assembly, Left	415-33175-L	**$599.12**
Right	415-33175-R	**$599.12**
Knee Joint Pin	415-33209	**$396.54**
Oleo Fairing	415-33211	**$137.92**
Main Landing Gear Wheel Axle Collar	415-33214	**$33.62**
Main Landing Gear Knee Joint Washer	415-33215	**$9.94**
Lower Leg Axle Screw	415-33217	**$40.28**
Main Gear Upper Leg, Left or Right	415-33220	**$646.12**
Oil Hole Cover	415-33229-2	**$1.95**
Upper Fairing Spacer	415-33306	**$6.01**
Lower Fairing Spacer	415-33307	**$6.01**
Upper Nutcracker Link Assembly	415-34043	**$518.30**
Taxi Spring on Nose Gear	415-34104	**$31.91**
Axle Spacer on Nose Gear	415-34106	**$82.07**
Nosewheel Axle	415-34107	**$79.35**
Nose Gear Wheel Assembly, Less Bearing	415-34200-302	**$324.95**
Fork Assembly	415-34355	**$990.82**
Nose Fork Axle	415-34356	**$150.56**
Knee Joint Nut	F33201-18	**$8.51**
Main Landing Gear Lower Leg, Left	F33203-L	**$599.12**
Right	F33203-R	**$599.12**
Lower Leg and Axle Assembly, Left	F33204-L	**$763.60**
Right	F33204-R	**$763.60**
Main Landing Gear Axle	F33205	**$116.31**
Upper Leg Assembly, Left	F33221-L	**$646.12**
Right	F33221-R	**$646.12**
Bolt Lock Pin	F33222	**$7.68**
Oleo Strut Piston Assembly	F33226	**$485.02**
Inner Cylinder Assembly	F34305	**$1,204.67**
Piston Assembly	F34423	**$32.31**
Nose Gear Fork Assembly, 500 x 5	U34310-1A	**$581.81**
Nose Gear Support Block	U415-34310-2A	**$162.24**

Steering Joint Ball Screw

- This is the original type steering ball as used on Ercoupe, Forney and Alon
- Applicable on serial numbers 187 to 4500, 5675 and later

F34074-2 ..... **$33.96**

Landing Gear Shock Pads and Spacers

Current rubber pads are a new, improved compound resulting from research performed for us by our supplier. This material has superior weathering qualities. It is unaffected by hydraulic fluid and has greater resistance to static load.

- Pads and spacers are priced and sold individually

Shock Pad (8 required per plane) ..... 415-33115 ..... **$12.39**
Oleo Strut Cylinder Spacer, S/N 813 and up
(14 required per plane) ..... 415-33224 ..... **$21.38**

Main Landing Gear Front Fairings

- Serial numbers 813 and up

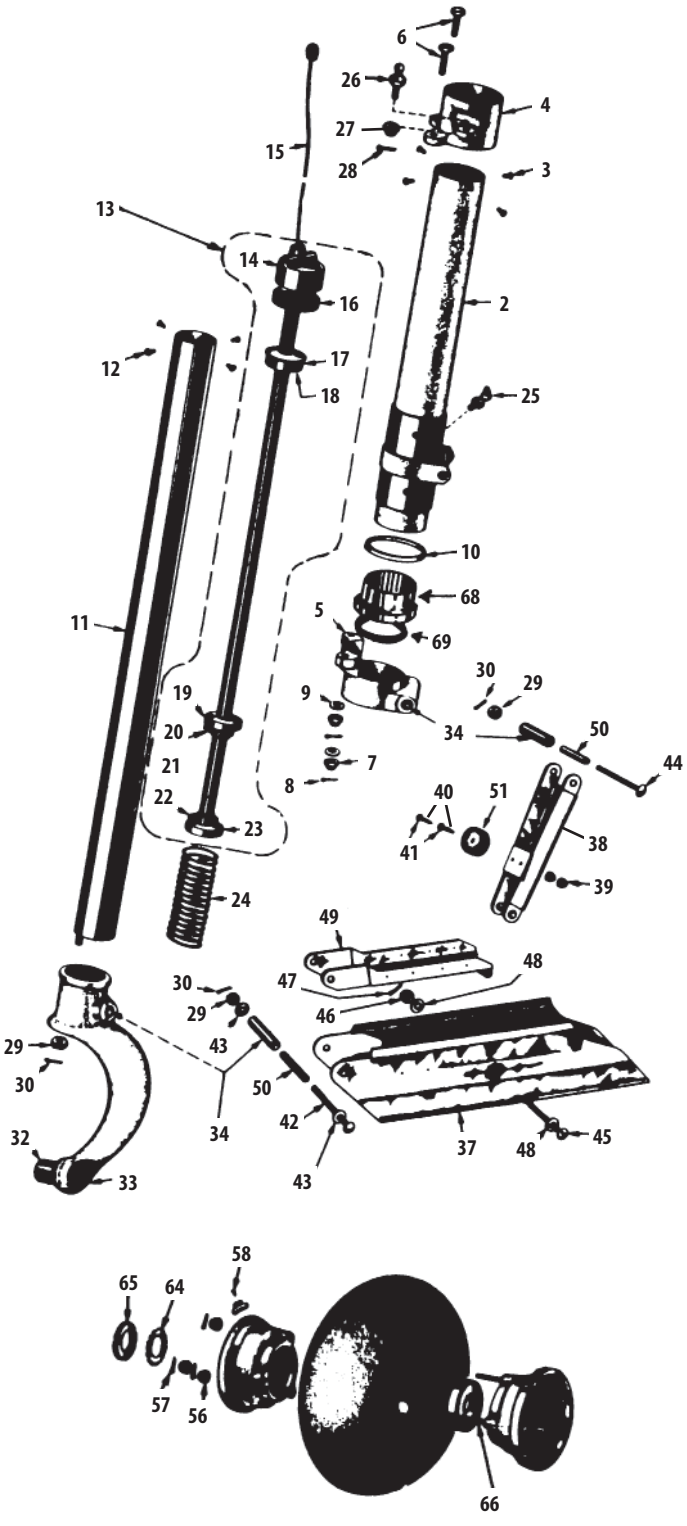
Main Landing Gear Front Fairings
Left ..... 415-33210-L **$200.59**
Right ..... 415-33210-R **$200.59**

Shop online at www.univair.com

Ercoupe Steel Nose Gear Parts List

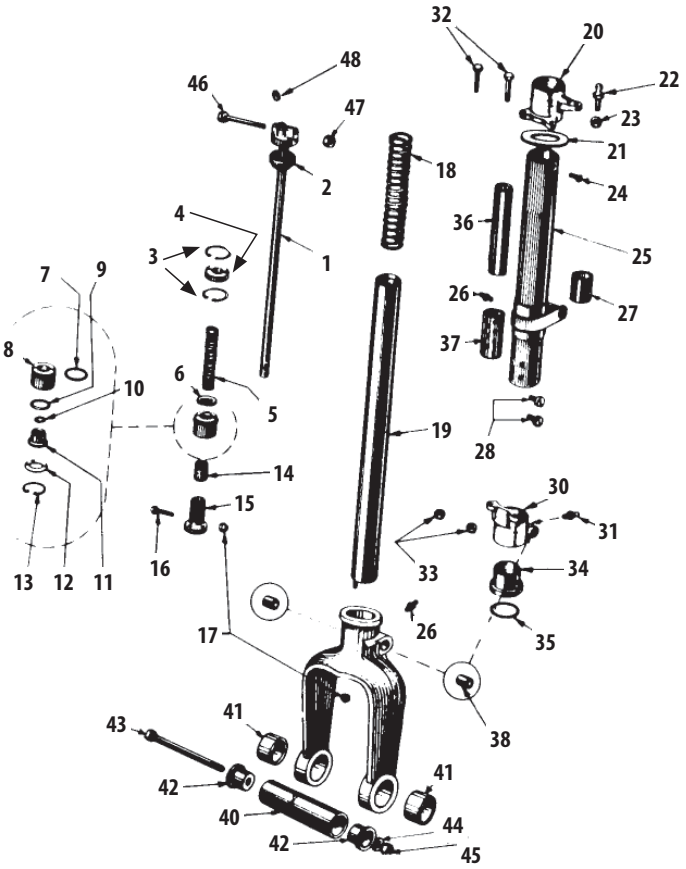
- Applicability: Serial numbers 187 to 4500
- See page 39 for SK-31 series nose gear service kits
- If you need parts for the Electrol or Universal Aircraft Industries nose gear, call Univair for price and availability
- All parts listed are priced and sold individually

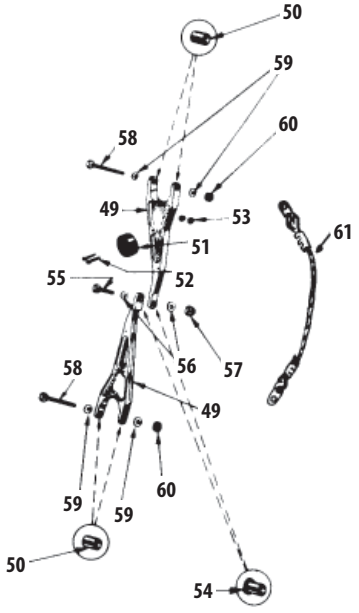
#	Description	Part#	# Req'd	Price
	Wheel Assembly, Less Bearing	415-34200-302	1	**$324.95**
2	Outer Oleo Strut Cylinder Assembly	415-34080	1	**$1,218.76**
3	Screw (AN510-10R4)	MS35191-268	4	**$0.94**
4	Oleo Strut Steering Collar	F34029	1	**$308.01**
5	Oleo Strut Steering Sleeve	415-34057	1	**$915.17**
6	Collar Bolt	AN4-13	2	**$0.68**
7	Castle Nut, Sleeve to Collar	AN310-4	2	**$3.10**
8	Cotter Pin	AN380-2-2	2	**$0.04**
9	Washer (AN960-416L)	NAS1149F0432P	2	**$0.04**
10	Washer	F34051	1	**$21.93**
11	Oleo Strut Inner Cylinder Assembly	415-34130	1	**$1,204.67**
12	Screw (AN510-6R4)	MS35191-235	4	**$3.06**
13	Oleo Strut Piston Assembly	415-34126-5	1	**$1,269.86**
14	Cylinder Rod and Head Assembly	415-34099-2	1	**$746.33**
15	Oleo Strut Gauge Assembly	415-34089	1	**$88.70**
16	Oleo Strut Piston Shock Absorber	415-34087	1	**$13.15**
17	Oleo Strut Piston Oil Seal Support	415-34129	1	**$301.61**
18	Oleo Strut Piston Oil Seal	415-34126-1	1	**$28.71**
19	Oleo Strut Piston Support Flange	415-34128	1	**$65.97**
20	Nut (AN365-1032)	MS21044N3	2	**$0.51**
21	Bolt	AN3-11A	2	**$0.28**
22	Washer (AN960-10L)	NAS1149F0332P	2	**$0.04**
23	Oleo Strut Piston Orifice Fitting	415-34127	1	**$110.06**
24	Oleo Strut Spring	F34041	1	**$38.56**
25	Lubrication Fitting (34085-10)	1637-B	1	**$2.85**
26	Steering Joint Ball Screw	F34074-2	1	**$33.96**
27	Nut	AN310-6	1	**$2.58**
28	Cotter Pin (AN380-3-3)	MS24665-283	1	**$0.08**
29	Nut	AN320-4	3	**$2.52**
30	Cotter Pin	AN380-2-2	3	**$0.04**
32	Wheel Axle	415-34111	1	**$405.71**
33	Axle Snap Ring	415-34096-1	1	**$2.31**
34	Nutcracker Phenolic Bushing	415-34042	1	**$57.04**
37	Nutcracker Fairing	415-34020	1	**$116.32**
38	Upper Nutcracker Link Assembly	415-34043	1	**$518.30**
39	Nut (AN365-632)	MS21044N06	2	**$0.34**
40	Screw	AN515-6R10	2	**$0.27**
41	Washer (AN960-6)	NAS1149FN632P	2	**$0.06**
42	Bolt	AN24-40	1	**$21.00**
43	Washer (AN960-416L)	NAS1149F0432P	2	**$0.04**
44	Bolt	AN4-23	1	**$0.41**
45	Bolt	AN24-40	1	**$21.00**
46	Nut	AN320-4	1	**$2.52**
47	Pin Cotter	AN380-2-2	1	**$0.04**
48	Washer (AN960-416L)	NAS1149F0432P	2	**$0.04**
49	Lower Nutcracker Link Assembly	415-34019	1	**$540.57**
50	Steel Nutcracker Bushing	415-34134	2	**$79.93**
51	Rubber Nutcracker Bumper	415-34094	1	**$44.52**
56	Nut	AN310-4	3	**$3.10**
57	Cotter Pin	AN380-2-2	3	**$0.04**
58	Type "A" Slotted Screw	4X1/4-PRA-SS	A/R	**$0.02**
64	Nutcracker Phenolic Bushing	415-34042	1	**$57.04**
65	Lock Washer	415-34110-3	1	**$3.20**
66	Wheel Bolt	AN4-33A	3	**$1.04**
68	Inner Lower Bushing	415-34133	1	**$235.35**
69	O-Ring (AN6227-31)	MS28775-328	1	**$2.76**
70	Scissors Modification Kit (Not Shown)	SK-17F	1	**$1,505.57**



SK-17 Nose Gear Assembly Parts List

#	Description	Part #	# Req	Price
1	Shaft Assembly with Head	F34420	1	**$540.19**
2	Shock Absorber	F34325	1	**$81.08**
3	Snap Ring	NAS50-165	2	**$1.43**
4	Shaft Guide	F34343	1	**$68.91**
5	Piston Spring	F34342	1	**$13.13**
6	Washer (AN960D1016)	NAS1149D1063H	1	**$0.72**
7	O-Ring (AN6227-20)	MS28775-215	1	**$2.50**
8	Inner Plug	F34316	1	**$202.06**
9	O-Ring (AN6227-25)	MS28775-220	1	**$1.10**
10	O-Ring (AN6227-12)	MS28775-114	1	**$0.46**
11	Collar Plug	F34332	1	**$66.22**
12	Washer	F34345	1	**$28.04**
13	Snap Ring (415-34351-1)	MS16625-2143	1	**$0.49**
14	Stop	F34344	1	**$8.13**
15	Orifice Fitting	F34317	1	**$61.61**
16	Bolt	AN4-11A	1	**$0.62**
17	Nut	MS21083N4	1	**$0.20**
18	Spring	F34041	1	**$38.56**
19	Inner Cylinder Assembly	F34305	1	**$1,204.67**
20	Oleo Strut Steering Collar	F34029	1	**$308.01**
21	Washer	F34051	1	**$21.93**
22	Steering Joint Ball Screw	F34074-2	1	**$33.96**
23	Nut (AN364-624)	MS21083N6	1	**$1.05**
24	Screw (AN510-10R4)	MS35191-268	2	**$0.94**
25	Outer Cylinder	F34410	1	**$1,304.02**
26	Lubrication Fitting	1637-B	1	**$2.85**
27	Upper Inner Bushing	F34412	1	**$108.43**
28	Lock Screw	F34214	4	**$18.32**
30	Steering Sleeve	F34431	1	**$475.11**
31	Lubrication Fitting	1641B	1	**$1.30**
32	Bolt	AN4-14A	2	**$0.30**
33	Nut (AN365-428)	MS21044N4	2	**$0.30**
34	Lower Outer Bushing	F34411	1	**$232.58**
35	O-Ring (AN6230-3)	MS28775-225	1	**$1.00**
36	Upper Spacer Tube	F34417	1	**$84.98**
37	Lower Spacer Tube	F34416	1	**$64.95**
38	Bushing	NAS75-5-026	4	**$11.78**
–	Wheel 5.00 x 5	040-08700	1	**$1,996.80**
–	Tire 5.00 x 5	500X5T4AT	1	**$101.52**
–	Tube 5.00 x 5	500X5U	1	**$114.09**
40	Axle Shaft	F34373	1	**$196.77**
41	Spacer	F34374	2	**$45.21**
42	Socket Bushings	F34372	2	**$79.53**
43	Bolt	AN4-55A	1	**$10.00**
44	Washer (AN960-416)	NAS1149F0463P	1	**$0.06**
45	Nut (AN365-428)	MS21044N4	1	**$0.30**
46	Bolt	AN5-26	2	**$1.14**
47	Nut	AN310-5	1	**$2.20**
48	Plug (AN913-1S)	MS20913-1S	1	**$8.00**
49	Scissor Assembly	F34318	2	**$407.34**
50	Bushing (415-34313)	NAS75-5-008	4	**$7.26**
51	Rubber Bumper	F34309	1	**$31.10**
52	Screw (AN515-6-20)	MS35206-235	2	**$0.20**
53	Nut (AN365-632)	MS21044N06	2	**$0.34**





54	Bushing	F34339	2	**$27.14**
55	Bolt	AN5-11	1	**$0.68**
56	Washer (AN960-516)	NAS1149F0563P	2	**$0.12**
57	Nut	AN310-5	1	**$2.20**
58	Bolt	AN5-26	2	**$1.14**
59	Washer (AN960-516)	NAS1149F0563P	4	**$0.12**
60	Nut	AN310-5	2	**$2.20**
61	Snub Cable	530062-000	1	**$86.73**

Belleville Spring

- For Ercoupe main landing gear
- Replaces 33115 rubber shock pads
- 14 required per aircraft
- Priced and sold individually

F33251 ..... **$125.37**

Ercoupe Steering Pushrod Boot and Doubler Ring

Made to fit original Ercoupe oval hole which is 1½" wide and 1 13/16" high. Holes larger than original will need 720082-000 doubler ring installed for correct boot fit.

Pushrod Boot

Doubler Ring

Pushrod Boot ..... 415-31058 ..... **$58.65**
Doubler Ring ..... 720082-000 ..... **$13.78**

Cleveland Wheels & Brakes Conversion Kits

Ercoupe Conversion Kits

- Serial numbers 813 and up
- STC approved

199-06900 ..... **$5,422.73**

- Serial numbers 113 to 812
- FAA field approval required

199-07100 ..... **$5,795.53**

Propellers

Univair furnishes a bolt kit with each propeller purchase. Bolt kits can also be purchased separately from our website.

Propeller descriptions below show basic aircraft/engine model applicability. Check manufacturer's websites for exact applicability before purchasing, or contact our sales staff at 1-888-433-5433 and we can research it for you.

Please note that we do not stock all of the propellers listed. Non-stocked propellers require 4-6 months for delivery.

McCauley Aluminum Fixed-Pitch Propellers

415 Series, F-1, A-2, M-10, Continental C-85, C-90 ..... CM7148 ..... **CALL**
415 Series, F-1, A-2, M-10, Continental C-85, C-90 ..... CM7150 ..... **CALL**
F-1, 415 Series, Continental C-90 ..... CM7152 ..... **CALL**
415 Series, Continental A-65, C-75 ..... CM7351 ..... **CALL**
415 Series, Continental A-65 ..... CM7441 ..... **CALL**
415 Series, Continental A-65 ..... CM7443 ..... **CALL**
415 Series, Continental A-65 ..... CM7445 ..... **CALL**
415D, Continental O-200 ..... DCM6948 ..... **CALL**

Sensenich Aluminum Propellers

415 Series, Continental O-200 ..... 69CK-0-52 ..... **$7,603.80**

Sensenich Wood Propellers

415 Series, Continental C-85, C-90 ..... W72GK50-CUB **$4,030.00**
415C, Continental A-65 ..... W72CK42-SB **$4,030.00**
415 Series, Continental C-85, C-90 ..... W72GK50-SB **$4,030.00**
415C, Continental A-65 ..... W72CK42 ..... **$3,995.00**
415C, Continental A-65 ..... W72CK44 ..... **$3,995.00**
415 Series, Continental C-85 ..... W72GK48 ..... **$3,995.00**
415 Series, Continental C-85, C-90 ..... W72GK50 ..... **$3,995.00**

Service Kits & Assemblies

Below are listed our most popular service kits for Ercoupe airplanes. You can find all our service kits on our website in the Ercoupe section.

SK-1 Rudder Bellcrank Modification Kit

- Eliminate the possibilities of a rudder bellcrank seizure caused by moisture in the bushing
- As per AD 67-06-03 and Alon Service Bulletin 14

Modification Kit ..... SK-1 ..... **$103.33**

SK-4 Trim Tab Control Conversion Kit

- This kit employs a movable section on the trailing edge of the elevator
- As per Ercoupe Service Memorandum 38
- Does not include tab for 415 series
- See our website for list of parts included in this kit

Conversion Kit ..... SK-4 ..... **$1,207.37**

SK-7 Fuel Pump Modification Kit

- Complies with AD 47-20-03 (Ercoupe Service Memo 42)
- Includes elbow, grommet and button plug
- See website for full parts list

Modification Kit ..... SK-7 ..... **$154.40**

SK-8 Battery Box Modification Kit

- Modification reduces the possibility of acid entering the fuselage structure if spilled within the box
- As per Ercoupe Service Bulletin 22
- Includes service decal, rubber pads, extension plate, and rivets

Modification Kit ..... SK-8 ..... **$124.18**

SK-9 Rear Spar Reinforcement Kit

- Modification will help prevent damage to the rear spar due to hard landings and rough usage
- As per Ercoupe Service Memo 53A and AD 59-05-04
- Includes stiffener and necessary installation hardware

Reinforcement Kit ..... SK-9 ..... **$124.38**

SK-12 Battery Box Modification Kit

- Converts battery box from large to small battery
- Includes spacers, screws, and installation drawing

Modification Kit ..... SK-12 ..... **$120.84**

SK-14 Trim Tab Stop and Springs Kit

- Complies with AD 50-07-01
- Purpose: To preclude the possibility of elevator flutter in the event the elevator trim tab control wire fails

Service Kit ..... SK-14 ..... **$72.51**

SK-15 Bubble Windshield Kit

Clear windshield will stop aggravating rain leaks and offers an appreciable amount of soundproofing. It can be installed on older Ercoupes and comes complete with installation kit.

Clear ..... SK-15 ..... **$1,311.01**
Tinted ..... SK-15A **$1,547.09**

SK-17F Nose Gear Scissors Modification Kit

Replaces the welded scissors used on the steel gear, serial numbers 183 to 4424, with forged aluminum scissors. Scissors are machined to fit the steel gear, and the kit includes all necessary bolts and bushings for installation. FAA field approval required.

Service Kit ..... SK-17F **$1,505.57**

SK-17G Upper Nose Gear Cylinder Assembly

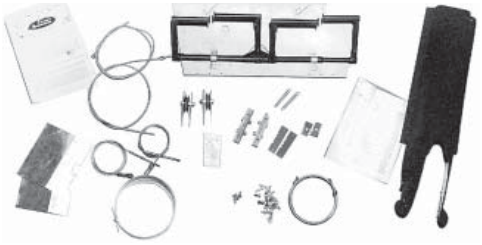
Consists of outer cylinder, lower bushing, inner bushing, inner and lower sleeves, upper and lower outer collar, rod and head, and shim. This assembly may be used to replace the worn out upper cylinder assemblies on all Ercoupes, serial numbers 4425 and up, and early Forneys.

Service Kit ..... SK-17G **$3,519.60**

If you don't find the part you need, be sure to give us a call. We are here to help you with all of your classic aircraft needs!

SK-21 Rudder Pedal Kit

The rudders are completely disengaged from the aileron system and therefore independent of the lateral controls, allowing the airplane to be flown in slips, and misuse of the rudder pedals can be demonstrated in flight. It is not necessary to use the rudder pedals in excess of 70 miles per hour, due to the efficiency of the aileron system. Visit our website for a complete list of all parts included in this kit.



Rudder Pedal Kit ..... SK-21 ..... **$2,191.58**

SK-28 Landing Lights Installation Kit

The Ercoupe Landing Light System is supplied complete with two lights, one for each main landing gear fairing, and wiring with terminals installed for connecting these lights to switches which are provided. Instructions for installation and a wiring diagram are also included.

Landing Lights Kit ..... SK-28 ..... **$1,731.54**

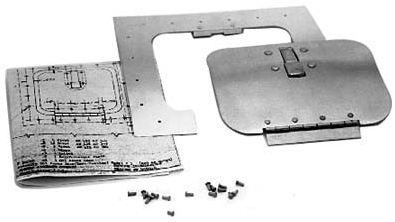
SK-31 Nose Gear Service Kits

- See our website for complete list of parts included in each kit

For steel gear; less bronze bushing ..... SK-31-LB **$416.71**
For steel gear; with bronze bushing ..... SK-31-WB **$623.35**
For Electrol gear; less bronze bushing. ..... SK-31A-LB **$381.35**
For Electrol gear; with bronze bushing. ..... SK-31A-WB **$566.86**
For late Forney and Alon; less bronze bushing. ..... SK-31B-LB **$363.23**
For late Forney and Alon; with bronze bushing. ..... SK-31B-WB **$595.47**
For Mooney M-10; less bronze bushing. ..... SK-31C-LB **$267.41**
For Mooney M-10; with bronze bushing. ..... SK-31C-WB **$555.70**

SK-33 Oil Door Kits

Small Oil Door Kit
SK-33 ..... **$435.24**



Size: 4 15/16" x 6¼". Complete kit with instructions and hardware. Provides access to oil filler without the necessity of opening the cowl on pre-flight checks.

Large Oil Door Kit
SK-33A **$271.98**

Size: 9⅝" x 12". Same as the SK-33 Kit above, but provides for a larger door. Door fastens with two easy-to-use, wing-type fasteners.

SK-35 Belleville Spring Kit

- Smoother ride on rough fields, better taxiing control, reduces "pitch" (less wear to nose gear parts), reduces wing "oil canning" on ground. Reduces landing shock, affords added protection to rear spar, raises tail to proper level.
- Kit consists of 14 Belleville springs (complete for both gears), new O-rings, spacers, flanges and installation instructions.

Belleville Spring Kit.....SK-35 ..... **$1,766.42**

SK-36 Rudder Rib Kit

- Increases strength of the rudder at the control horn attachment
- As per AD 59-25-05 and Service Bulletin 105
- Provides parts for both sides

Service Kit.....SK-36 ..... **$374.78**

SK-37 Frame Drain Installation Kit

- For the addition of drain holes in all Ercoupes, Aircoupes, and Fornaires up to serial number 5714
- Kit includes 4 clam shell cover plates and 12 rivets
- As per Service Bulletin #109

Installation Kit .....SK-37 ..... **$74.49**

SK-38 Oil Breather Tube Re-Routing Kit

- Re-routes the oil breather line to empty oil vapors directly outside the airplane at rearward region of the belly cowl
- For Ercoupes up to serial number 5715
- As per Fornaire Service Bulletin #108

Re-Routing Kit .....SK-38 ..... **$470.70**

SK-39 Fuel System Drain Modification Kit

- Provides for effective drainage of the fuselage tank and wing tanks by the use of quick drain fixtures
- As per Service Bulletin #111
- For serial numbers 113 to 5714

Modification Kit .....SK-39 ..... **$470.70**

SK-46 Anti-Ice Deflector Kit

- Eliminate icing between aileron and wing center section
- For all models 415 through Mooney Cadets
- As per Alon Bulletin #7

Deflector Kit.....SK-46 ..... **$35.78**

SK-49 Fuel Filler Neck Modification Kit

- To prevent fuel flowing from the vented fuel-filler caps during flight
- As per Alon Bulletin #16, section I, step 4
- Kit includes shield, double, seal, rivets, tube of sealant

Modification Kit .....SK-49 ..... **$81.38**

SK-50 Fuel Filler Cap Frame Tank Kit

- To prevent fuel flowing from the vented fuel-filler caps during flight
- As per Alon Bulletin #16, section II, step 1
- Kit includes gasket

Service Kit.....SK-50 ..... **$34.89**

SK-51 Wing Tank Fuel Cap Modification Kit

- To prevent fuel flowing from the vented fuel-filler caps during flight
- As per Alon Bulletin #16, section II, step 2
- Kit includes 2 fuel caps

Modification Kit .....SK-51 ..... **$136.65**

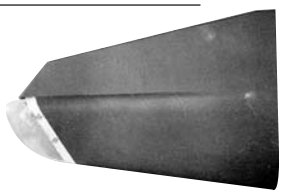
SK-52 Wing Tank Fuel Cap Modification Kit

- To prevent fuel flowing from the vented fuel-filler caps during flight
- As per Alon Bulletin #16, sections I, II, and III
- Kit includes 2 fuel caps

Modification Kit .....SK-52 ..... **$284.52**

SK-56 Alon Tail Cone Kit

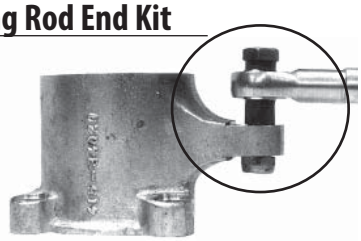
Streamline your Ercoupe with the new style Alon Tail Cone. Facilitates installation of tail mounted strobe. Gives your Ercoupe that new look.



SK-56 ..... **$1,903.78**

SK-57 Improved Steering Rod End Kit

- This unit replaces part number 415-34074-2 ball stud
- Steering collar not included



This kit consists of rod end bearing and all necessary hardware. It is FAA approved for all Ercoupe, Forney, Alon and M-10, when purchased from Univair. For use with the part number 52035 pushrod that has the male threaded stud.

Improved Steering Rod End Kit .....SK-57 ..... **$195.42**

SK-76 Gascolator Support Service Kits

- All SK-76 service kits comply with Service Bulletin 24B

SK-76 Kit

Gascolator Support Service Kit for Ercoupe
415-C, 415-CD, 415-D, 415-E, 415-G ..... SK-76..... $285.53
Includes brass nipple and elbow, braces and necessary hardware for aircraft with Bendix Stromberg carburetors.

Gascolator Support Service Kit
for Forney F-1 and F-1A ..... SK-76F..... $398.46
Includes brass nipple and elbow, braces and necessary hardware. This kit is also applicable on 415 series Ercoupes with Marvel-Schebler (Precision) carburetors.

Gascolator Support Service Kit..... SK-76G..... $633.45
Same as the SK-76 Kit, but includes a new aluminum gascolator with quick drain for aircraft requiring gascolator replacement, for aircraft using Bendix Stromberg carburetors.

Gascolator Support Service Kit..... SK-76FG..... $571.53
Same as the SK-76F Kit, but includes a new aluminum gascolator with quick drain for aircraft requiring gascolator replacement, for 415 series Ercoupes and Forneys with Marvel-Schebler (Precision) carburetors.

SK-80 Service Kits

Service Bulletin 31 – Method 1 Service Kit for aircraft with smooth center section bottom skins.

SK-80-1 ..... **$460.74**

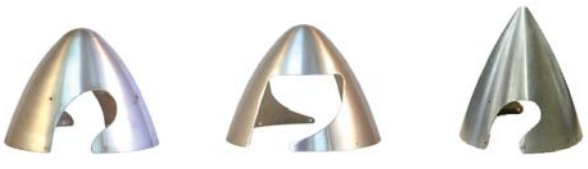
Service Bulletin 31 – Method 1 Service Kit for aircraft with beaded center section bottom skins.

SK-80-2 ..... **$407.34**

Spinners

Spinners and Components

Any of the following combinations may be used on Ercoupe, Forney, Alon or Mooney. However, you must select the proper assembly for your particular propeller and crankshaft combination. NOTE: The use of the later style Mooney spinners on the earlier Ercoupe/Forney models will require an FAA 337 approval.



A B C

A) For Use With Metal Propellers

Dome	F40594	**$508.10**
Front Bulkhead	A40665-8	**$150.56**
Rear Bulkhead for Flanged Crankshaft	F40663-00	**$422.28**
Rear Bulkhead for Tapered Crankshaft	F40663-01	**$488.25**

B) For Use With Wood Propellers

Dome	F40593	**$613.98**
Rear Bulkhead for Flanged Crankshaft	415-40592-2	**$249.34**
Rear Bulkhead for Tapered Crankshaft	415-40592-1	**$317.11**

C) New Style Spinner For Use With Metal Propellers on Alon/Mooney

Dome	680030-001	**$668.26**
Front Bulkhead	680029-004	**$156.52**
Rear Bulkhead for Flanged Crankshaft	F40663-00	**$422.28**
Rear Bulkhead for Tapered Crankshaft	F40663-01	**$488.25**

Ercoupe Propeller Bolts

- 6 bolts required per aircraft
- Priced and sold individually

McCauley Metal Propeller

Bolt Kit for Flanged Crankshaft (6 bolts plus washers)	UB4622-9	**$244.69**
Bolts for Tapered Crankshaft	AN6-34A	**$1.50**

Flottorp Wood Propeller

Bolts for Flanged Crankshaft	AN6H42A	**$6.00**
Bolts for Tapered Crankshaft	AN6-42	**$4.30**

Tail Section

Stabilizer Parts

Horizontal Stabilizer Assembly	415-21001	**$13,437.89**
Stabilizer Front Beam	F21002	**$93.08**
Stabilizer Rear Beam		
For Ercoupe 415-C through 415-G	415-21003	**$412.43**
For Forney S/N 5640 and up, all Alon	F21003	**$423.77**
#2 Rib	415-21005	**$35.27**
#1 Nose Rib	415-21006	**$33.86**
#2 Nose Rib	415-21007	**$33.86**
#3 Nose Rib	415-21008	**$33.86**
#4 Nose Rib	415-21009	**$33.86**
Hinge Fitting Assembly, Left	415-21011-L	**$30.16**
Right	415-21011-R	**$34.26**
#3 Rib	415-21012	**$35.27**
Attach Fitting, Left	F21013-L	**$80.93**
Right	F21013-R	**$80.93**
Accessory Door, Left	415-21014-L	**$17.64**
Right	415-21014-R	**$17.64**
Forward Attach Fitting	F21015	**$76.84**
Upper Stabilizer Skin (Skin Only)	415-21022-1	**$327.41**
Leading Edge Skin, Left	F21025-L	**$362.43**
Right	F21025-R	**$362.43**

Lower Skin, Left ..... 415-21028-1-L **$216.12**
Right ..... 415-21028-1-R **$216.12**
Horizontal Stabilizer, Mooney M-10 ..... 420002-001 ..... **$5,860.81**

Elevator Parts

Ercoupe Split Elevator, for 415-E (S/N 4482 and up), 415-G, Forney F-1, F-1A, Alon A-2, A-2A ..... 415-22037 ..... **$3,696.39**
Ercoupe Elevator (S/N 1 to 1622) ..... 415-22001 ..... **$4,102.59**
Elevator Beam ..... F22002 ..... **$239.69**
End Hinge ..... 415-22007 ..... **$69.35**
Center Hinge ..... 415-22008 ..... **$142.32**
Trailing Edge (415-22011) (For use on airplanes with trim tabs only) ..... 415-22023 ..... **$30.15**
Elevator Control Horn Assembly ..... 415-22016 ..... **$32.49**
Elevator Horn Bushing (Oilite), A304-16 ..... 415-22016-1 ..... **$3.68**
Upper Elevator Skin (skin only) ..... 415-22019-1 ..... **$355.62**
Trim Tab Hinge ..... 415-22026 ..... **$232.22**
Trim Tab Assembly (model 415-C) ..... 415-22027 ..... **$294.05**
Trim Tab Horn ..... 415-22028 ..... **$3.68**
Trim Tab Assembly (models 415-CD and 415-D) ..... 415-22031 ..... **$419.69**
Trim Tab Assembly (model 415-E) ..... 415-22032 ..... **$113.84**
Trim Tab Hinge (model 415-E) ..... F22033 ..... **$116.24**
Trim Tab Spring (model 415-E) (22035) ..... SK-288 ..... **$12.55**
Upper Skin, Right ..... 415-22037-1 ..... **$82.82**
Left ..... 415-22037-2 ..... **$82.82**
Lower Skin, Right ..... 415-22037-3 ..... **$63.98**
Left ..... 415-22037-4 ..... **$131.38**
Lower Center Skin ..... 415-22037-5 ..... **$57.41**
Center Rib (415-22037-6) ..... 430040-000 ..... **$33.09**
Intermediate Rib ..... 415-22037-7 ..... **$35.27**
Center Rib, Left (22037-8-L/R) ..... F22043 ..... **$63.75**
Right (22037-9-L/R) ..... F22044 ..... **$63.75**
Control Arm (22037-14) ..... F22047 ..... **$37.02**
Spar Stiffener (22037-15) ..... F22048 ..... **$13.91**
Tab Hinge Spacer ..... 415-22037-17 ..... **$5.05**
Upper Stop Tab ..... 415-22037-30 ..... **$7.68**
Upper Center Skin ..... 415-22037-31 ..... **$51.80**
Split Elevator Center Hinge ..... F22038 ..... **$66.51**
Ercoupe Kit (complies with Service Bulletin 35) ..... SK-83 ..... **$144.49**

"Straight" Elevator Assembly with Trim Tab

- 1⅜" moveable trim tab
- Replacement elevator for C-75 and C-85 powered models
- Applicability: Ercoupe 415-C, CD and -D, serial numbers 113 to 4481
- Please specify serial number when ordering

Elevator Assembly ..... 415-22017 ..... **$4,417.84**

Rudder and Fin Parts

Fin Assembly, Left ..... F23001-L **$1,126.08**
Right ..... F23001-R **$1,126.08**
Rudder Assembly, Left ..... F24001-L **$3,607.91**
Right ..... F24001-R **$3,607.91**
Mounting Bolt Spacer ..... F24001-17 ..... **$2.27**
Rudder Control Horn, Left ..... F24002-L **$240.96**
Right ..... F24002-R **$240.96**
Hinge Assembly ..... F24003 ..... **$43.26**
Rudder Skin, Inboard Left, Outboard Right ..... F24013-1-L **$245.23**
Inboard Right, Outboard Left ..... F24013-1-R **$245.23**
Rib Assembly, Left ..... F24015-L **$113.11**
Right ..... F24015-R **$113.11**
Rudder Rib Kit (comply with AD 59-25-05) ..... SK-36 ..... **$374.78**
Rudder (Mooney M-10) ..... 460044-001 ..... **$3,188.26**
Dorsal Fin (Mooney M-10) ..... 350178-000 ..... **$242.88**

Windows • Windshields

Prices below are for clear windows and windshields only. See our website for prices and availability of Solar Gray and Green tinted versions. Delivery time is 10 to 12 weeks for non-stock items.

Alon A2, A2A

Windshield Half, Left ..... A13260-7 ..... **$257.65**
Windshield Half, Right ..... A13260-8 ..... **$257.65**
Canopy Window ..... A13270-6 ..... **$567.27**
Rear Window, Left ..... A13250-53 ..... **$298.49**
Rear Window, Right ..... A13250-54 ..... **$393.53**

Ercoupe 415 and Forney

Windshield, Flat Type (No Holes) ..... 415-31042 ..... **$250.64**
Windshield, Bubble Type ..... F31232 ..... **$542.77**
Sliding Window, Right, Complete Assembly ..... 415-53023 ..... **$665.16**
Sliding Window, Left, Complete Assembly ..... F53024 ..... **$767.93**
Sliding Window, Glass Only ..... F53041 ..... **$101.80**
Ercoupe Rear Window, Glass Only ..... 415-31037 ..... **$98.01**
Forney Rear Window, Left or Right ..... F31248 ..... **$98.01**

Mooney M-10 Cadet

Windshield Half, Left ..... A13260-7 ..... **$257.65**
Windshield Half, Right ..... A13260-8 ..... **$257.65**
Canopy Window ..... A13270-6 ..... **$567.27**
Rear Window, Left ..... 310265-019 ..... **$61.63**
Rear Window, Right ..... 310265-020 ..... **$61.63**

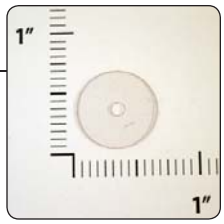
Wings

Description	Part #	Price
Pitot Head Support Bracket Assembly	415-14043	$57.30
Pitot Static Line Support Clip	F14033	$11.10
Tip Rear Reinforcement, Left	415-14050-L	$84.18
Right	415-14050-R	$84.18
Tip Skin Reinforcement	415-14054	$6.23
Tip Skin, Left	415-14055-1-L	$125.03
Right	415-14055-1-R	$125.03
Tip Bow Brace Stiffener	415-14056	$5.67
Front Bow Tip Assembly, Left	415-14066-L	$944.76
Right	415-14066-R	$944.76
Leading Edge Skin	415-14002-1	$771.32
Static Pitot Tube	415-14002-4	$164.02
Tip Assembly, Left	415-14008-TA-L	$807.08
Right	415-14008-TA-R	$807.08
Tip Skin, Right	415-14012-1R	$179.68
Rear Beam, Left	415-14049-L	$182.12
Right	415-14049-R	$182.12
Rear Beam Reinforcement, Left	415-14049-SA-L	$39.47
Right	415-14049-SA-R	$39.47
Skin, Left	F14077-5-L	$87.24
Right	F14077-5-R	$87.24
Trailing Edge Skin	F14078-1	$624.93
Leading Edge	F14078-2	$39.83
Leading Edge Skin, Left	F14078-4-L	$996.35
Right	F14078-4-R	$996.35
Aluminum Navigation Light Bracket	F14081	$227.39
Spring	F14093	$1.76
Plate	F14094-7	$135.95
Mounting Plate	F14096	$183.12
Bracket	F14097	$29.60
Stiffener	F14098-1	$42.75
Landing Light Lens	F14099	$85.80
Pitot Tube	F51002	$554.63
Aileron Bracket, Left	F52306-L	$424.06
Right	F52306-R	$424.06
U-Coupling	U-415-40641	$55.41
Stiffener	415-16029	$5.05
Nut	415-16030-2	$1.16
Roller	415-16030-41	$24.21
Plate, Left	415-16030-L	$14.93
Right	415-16030-R	$14.93
Beam Plate	415-16039-5	$21.05
Plate Skin	415-16039-6	$4.61
Stiffener	F14098-5	$42.75

Shop Online:
www.univair.com

Toll Free Sales:
1-888-433-5433

Celluloid Washers



- Sold in packs of 100

415-14057 ..... **$19.19**

Front Beam Assembly

Front Beam Assembly, Left	F14007-L	$9,985.62
Right	F14007-R	$9,985.62
Front Beam Tip Skin, Left	F14029-1L	$293.67
Right	F14029-1R	$293.67
Center Gusset	415-14037	$11.85
Attach Fitting, Top Rear, Bottom Front (14039-L)	210348-000	$408.89
Top Front, Bottom Rear (14039-R)	210349-000	$408.89
Wing Attach Fitting Spacer	415-14040	$4.65
Upper Inner Rib Gusset, Left	415-14041-L	$6.54
Right	415-14041-R	$6.54
Tip Assembly Flange, Left	415-14075-L	$22.12
Right	415-14075-R	$22.12
Shim	415-14067	$2.89
Gusset, Front Beam to End Rib	415-14018	$2.54

Rear Beam Assembly

Rear Beam Assembly, Left	415-14008-L	$3,319.46
Right	415-14008-R	$3,319.46
Hinge Assembly, Left	415-14020-L	$93.19
Right	415-14020-R	$93.19
Rear Beam Tip, Left	415-14061-L	$236.71
Right	415-14061-R	$236.71
Outer Diagonal Rib Gusset	415-14021	$2.54
Bow End Rib Gusset, Left	415-14022-L	$2.54
Right	415-14022-R	$2.54
Intermediate Rib Gusset	415-14023	$2.54
Reinforcement Plate	415-14008-6	$25.10
Top Inner End Rib Gusset, Left	415-14072-1-L	$4.01
Right	415-14072-1-R	$4.01
Lower Inner End Rib Gusset, Left	415-14072-2-L	$4.01
Right	415-14072-2-R	$4.01
Splice Plate	415-14074	$4.25

Ercoupe Wing Metallization STC

STC (excludes aluminum) ..... STC-SA319WE **$75.00**

This STC requires four 3 x 10 foot sheets of .020" thick aluminum.

Sheet Aluminum, 4 x 12 feet, .020" thickness, sold in full sheets only
Priced per square foot ..... 2024-T3-.020 ..... **$7.18**

Additional crate charges apply for sheet metals – see **Order and Shipping Information** in back of catalog for details. More sheet aluminum options can be found in the **Raw Materials** section.

Aileron Parts

Aileron Hinge Fitting ..... 415-16005 ..... **$40.40**
Hinge Fitting ..... 415-16005-1 ..... **$39.25**
Fitting, Left ..... 415-16009-3-L **$1.16**
Right ..... 415-16009-3-R **$1.16**
Pin ..... 415-16009-4 ..... **$1.16**
Balance Brace ..... 415-16010 ..... **$55.83**
Aileron Horn, Left ..... 415-16013-L **$487.97**
Right ..... 415-16013-R **$487.97**
Trailing Edge ..... 415-16016 ..... **$89.45**
Aileron Beam Assembly, Left ..... 415-16021-1-L **$280.39**
Right ..... 415-16021-1-R **$280.39**
Upper Tip Skin Assembly, Left ..... 415-16022-2-L **$138.68**
Right ..... 415-16022-2-R **$185.48**
Aileron Lower Tip Skin Assembly, Left ..... 415-16023-1-L **$212.53**
Right ..... 415-16023-1-R **$212.53**
Horn Plate, Left ..... 415-16025-L **$30.58**
Right ..... 415-16025-R **$30.58**
Bow ..... 415-16030-45 ..... **$99.59**
Rib Assembly ..... 415-16037 ..... **$129.23**
Aileron Assembly, Left ..... F16001-L **$2,689.93**
Aileron Assembly, Right ..... F16001-R **$2,689.93**
Rib Tip, Left ..... F16002-L **$23.34**
Right ..... F16002-R **$23.34**
Spar Tip, Left ..... F16024-L **$146.25**
Right ..... F16024-R **$142.70**
Hinge Fitting Assembly ..... F16031 ..... **$294.05**
Upper Skin ..... F16034-1 ..... **$272.96**
Top Aileron Skin, Left ..... F16034-1-L **$311.61**
Right ..... F16034-1-R **$311.61**
Upper Inboard Skin Assembly, Left ..... F16034-L **$1,966.95**
Right ..... F16034-R **$1,966.95**
Aileron Reinforcement ..... F16035 ..... **$37.62**
Lower Inboard Skin, Left ..... F16038-1-L **$311.61**
Right ..... F16038-1-R **$311.61**
Skin Assembly, Left ..... F16038-L **$430.83**
Right ..... F16038-R **$430.83**

Ribs

Inboard Rib, Left ..... F14006-L **$349.64**
Right ..... F14006-R **$349.64**
#6 Diagonal Rib, Left ..... 415-14011-L **$224.43**
Right ..... 415-14011-R **$224.43**
Tip Former Rib ..... 415-14009 ..... **$251.27**
Tip Former Rib ..... F14010 ..... **$192.22**
#1 Diagonal Rib, Left ..... F14005-L **$574.23**
Right ..... F14005-R **$574.23**
Bow Brace Rib, Left ..... F14019-L **$106.67**
Right ..... F14019-R **$106.67**
Intermediate Nose Rib ..... F14013 ..... **$142.82**
Beam Splice Outer Nose Rib, Left or Right ..... F14015 ..... **$71.14**
Beam Splice Inner Nose Rib, Left or Right ..... F14058 ..... **$120.47**
Bow Skin Splice Nose Rib, Left or Right ..... F14016 ..... **$71.14**
Tip Nose Rib, Left ..... 415-14017-L **$169.20**
Right ..... 415-14017-R **$169.20**
Inboard Nose Rib, Left ..... 415-14026-L **$168.39**
Right ..... 415-14026-R **$168.39**
Trailing Edge Rib, Left ..... 415-14030-L **$22.31**
Right ..... 415-14030-R **$22.31**
#3 Intermediate Diagonal Rib, Left ..... F14051-1-L **$209.59**
#2, Right ..... F14051-1-R **$209.59**
#4 Diagonal Rib, Left ..... F14051-2-L **$235.22**
Right ..... F14051-2-R **$235.22**
#5 Diagonal Rib, Left ..... F14052-L **$216.59**
Right ..... F14052-R **$216.59**
Inner Rib Angle ..... 415-14002-3 ..... **$42.96**
Rib Splice Spacer ..... 415-14002-2 ..... **$1.16**
Rear Bow Tip Assembly, Left ..... 415-14012-L **$984.12**
Right ..... 415-14012-R **$984.12**
Aileron Diagonal Rib, Left ..... 415-16033-L **$27.06**
Right ..... 415-16033-R **$27.06**
Aileron End Rib, Left ..... 415-16003-L **$52.65**
Right ..... 415-16003-R **$52.65**

Tie Down Eye Bolt

FAA-PMA APPROVED

415-14044 ..... **$12.56**

Reinforcements

Reinforcement, Left ..... 415-16017-1-L **$7.95**
Right ..... 415-16017-1-R **$7.95**
Reinforcement, Left ..... 415-16017-2-L **$7.95**
Right ..... 415-16017-2-R **$7.95**
Reinforcement, Left ..... 415-16017-3-L **$5.05**
Right ..... 415-16017-3-R **$5.05**
Reinforcement, Left ..... 415-16017-4-L **$7.95**
Right ..... 415-16017-4-R **$7.95**
Reinforcement, Left ..... 415-16018-1-L **$7.95**
Right ..... 415-16018-1-R **$7.95**
Reinforcement, Left ..... 415-16018-2-L **$7.95**
Right ..... 415-16018-2-R **$7.95**
Reinforcement, Left ..... 415-16018-3-L **$7.95**
Right ..... 415-16018-3-R **$7.95**
Reinforcement, Left ..... 415-16019-1-L **$7.95**
Right ..... 415-16019-1-R **$7.95**
Reinforcement, Left ..... 415-16019-2-L **$7.95**
Right ..... 415-16019-2-R **$7.95**
Reinforcement, Left ..... 415-16020-1-L **$5.05**
Right ..... 415-16020-1-R **$5.05**
Reinforcement, Left ..... 415-16020-2-L **$7.95**
Right ..... 415-16020-2-R **$7.95**

Free Shipping on Qualifying Orders!
See page 3 for details.

LUSCOMBE

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Univair has hundreds of quality FAA-PMA approved parts for the Luscombe 8 series aircraft. We also carry distributor parts such as tires, tailwheels, and much more.

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Many parts can be correctly identified by the nomenclature listed in this section. However, we suggest that you also have the correct parts manual for positive identification.

Manuals

Description	Part #	Price
Luscombe 8A Owner's Manual	L8A	**$7.42**
Luscombe 8E Owner's Manual	L8E	**$7.42**
Luscombe 8 Series Master Parts List (Illustrated)	L8PM	**$35.26**
Luscombe Service Manual (Early Fabric Wing)	L8SM	**$19.22**
Luscombe Silvaire Operators Handbook	L8WM	**$43.65**

Control System

Description	Part #	Price
Torque Shaft Control Assembly	585042	**$1,304.02**
Elevator Bellcrank	285064	**$459.49**
Push Pull Rod	285041	**$162.73**
Aileron Pulley Bracket, Left	282069	**$163.01**
Angle Bracket	185056	**$19.45**
Aileron Fairlead Bracket, Left	181073	**$107.56**
Lower Control Stick Assembly, Left or Right	28508	**$166.73**
Elevator Control Pulley Bracket	18414	**$196.93**
Pulley Guard	08522-3	**$83.60**
Brake Pedal Pads, Left and Right, Sold as Pair	19519-P	**$27.50**
Rudder Right Bearing Control Support	28509-1	**$70.25**
Dual Brake Pedal, Right	28514-15	**$304.17**
3" Pulley	A120	**$14.85**
1½" Pulley	A167	**$27.37**
Rudder Pedal Return Spring	U08511-10	**$30.95**
Aileron Cable Fairlead	U18102	**$27.34**
Lower End Lift Strut Universal, Left or Right	U18291	**$227.45**
Hinge Bracket	U18416	**$36.05**
Hinge Pin	U18441	**$38.07**
Tab Control Bolt	U185044	**$29.77**
Elevator Torque Tube Bearing	U18529	**$141.83**

Control Cables

Univair-made control cables are FAA-PMA approved. Most cables can be purchased in either galvanized or stainless steel.

Brake Cable Assembly, 84.25", Galvanized	U085017-4	**$100.02**
Stainless	U085017-4S	**$131.00**
Elevator Cable, S/N 1 to 4199, 155.75", Galvanized	U285012	**$174.00**
Stainless	U285012S	**$201.15**
Elevator Cable, S/N 4200 and up, 157.875"		
Galanvinzed	U285012-10	**$197.97**
Stainless	U285012-10S	**$224.98**
Left Rudder Cable, 182.875", Galvanized	U285013-4	**$200.21**
Stainless	U285013-4S	**$203.00**
Right Rudder Cable, 183.625", Galvanized	U285013-5	**$177.45**
Stainless	U285013-5S	**$203.00**
Stick to Aileron Cable, 218.375", Galvanized	U285014	**$211.90**
Stainless	U285014S	**$224.41**
Aileron Balance Cable, 192.875"		
Left, Galvanized	U285015-L	**$205.76**
Left, Stainless	U285015-LS	**$221.64**
Right, Galvanized	U285015-R	**$217.77**
Right, Stainless	U285015-RS	**$221.64**
Aileron Balance Cable, 190.75"		
Left, Galvanized	U285015-99L	**$166.31**
Left, Stainless	U285015-99LS	**$191.63**
Right, Galvanized	U285015-99R	**$166.31**
Right, Stainless	U285015-99RS	**$205.62**
Forward Trim Cable, 75.4375", Galvanized	U285039-10	**$174.68**
Stainless	U285039-10S	**$181.04**
Aft Trim Cable Assembly, 140.0625", Galvanized	U285040-10	**$186.76**
Stainless	U285040-10S	**$219.08**

Electrical System

Description	Part #	Price
Magneto Noise Filter	A293	**$190.14**
Landing Light Bracket (fastened on front spar)	282215	**$35.58**
Landing Light Clamp	582222-3	**$37.87**
Landing Light Base	582222-4	**$197.77**

Clear Landing Light Lens

Left ..... 082223-4 ..... **$66.83**
Right ..... 082223-5 ..... **$66.83**

Engine • Cowling

Description	Part #	Price
Left Side Cowl Door	U086085-5	**$234.66**
Right Side Cowl Door	U086085-6	**$234.66**
Engine Mount Bushing,		
Lower	U181149-2	**$16.74**
Upper	U181149-3	**$25.05**
Engine Upright Baffle	086107-2	**$437.04**
Fin Butterfly Baffle, Outboard	28696-3	**$47.16**
Front Cylinder Baffle, Right	48683-2	**$108.81**
Left	48684-2	**$121.30**
Cabin Heater Plate Assembly	18637	**$58.41**
Cabin Heater Shim	U48629-7	**$11.32**

8A Exhaust Stack "Crossover"

FAA-PMA APPROVED

- Fits all A-65 Continental engines

Rear Crossover ..... U08627-5 ..... **$505.42**
Left Stack ..... U08627-3 ..... **$550.98**
Right Stack ..... U08627-7 ..... **$494.73**
Exhaust Clamp ..... U08627-100 ..... **$65.65**

Complete Assembly (includes 2 exhaust clamps) ..... U08627-C **$1,415.72**

Air Filter

- Fits carburetor air box UA50256 for 4-cylinder Continental engines on Luscombe 8A thru 8F
- Supersedes part number 40599

600314 ..... **$109.99**

Small Skull Cap Spinner

FAA-PMA APPROVED

- Diameter: 5.125" OD
- This spinner may not fit all taper shaft installations

Small Skull Cap Spinner ..... U0450279 ..... **$89.41**
Spinner Bracket ..... U0450281 ..... **$31.93**
Spinner Assembly ..... SM-SPIN-ASY **$121.22**

8E/8F Exhaust Stacks

FAA-PMA APPROVED

Exhaust Stack
Left ..... U09604 ..... **$923.40**
Right ..... U09605 ..... **$923.40**

Rubber Engine Mount Bushings

FAA-PMA APPROVED

- Used on all A and C series Continental engines
- 8 required per aircraft
- Priced and sold individually

U22387A **$7.22**

Luscombe Wing Tank Fuel Cap

FAA-PMA APPROVED

- Applicability: Luscombe 8A, 8E
- 2 required per aircraft (1 left, 1 right)
- Priced and sold individually

U286116 ..... **$225.89**

All-Aluminum Cowl Stampings

FAA-PMA APPROVED

Univair's aluminum Luscombe cowling pieces are not finish trimmed due to the manufacturing variances between aircraft. It is recommended that you use old cowling parts as a template for final trim and fit.

Nose Cowl Stamping ..... U086085-2 ..... **$1,878.64**
Top Center Cowl Skin ..... U086085-3 ..... **$538.92**
Bottom Cowl Stamping ..... U086085-4 ..... **$1,065.14**

Firewall Dish Pan

FAA-PMA APPROVED

- Used on Luscombes with an electrical system

U581158 ..... **$699.05**

Engine Mount

FAA-PMA APPROVED

- Applicability: All Continental powered Luscombes, A-65 through C-85
- Not for use with engines equipped with hummer starter

Engine Mount ..... U48147.....**$2,036.88**

Engine Mount Bushing

FAA-PMA APPROVED

- Firewall to engine mount bushing
- Rubber
- 6 required per aircraft
- Priced and sold individually

U18624 .....**$50.34**

Carburetor and Cabin Heat Shroud

FAA-PMA APPROVED

- For Luscombe 8A
- Not for use with stainless steel exhaust stacks

U48629 .....**$535.84**

Cabin Heat Shroud

FAA-PMA APPROVED

- Fits U09604 stack (8E/8F) and 8A 2-piece stacks
- Not for use with stainless steel stacks

U486065 .....**$497.31**

Carburetor Heat Shroud Assembly

FAA-PMA APPROVED

- Not for use with stainless steel stacks
- Fits on U09605 Stack

U086126 .....**$907.85**

Fuel Valve

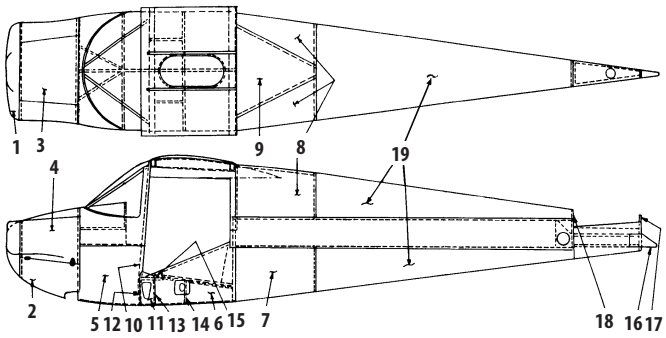
FAA-PMA APPROVED

Valve Kit (Valve, Bracket, and Hardware) ..... U286094-A **$645.52**
Valve Only ..... U286094-000 ..... **$529.89**
Valve Bracket ..... U286094-101 ..... **$84.12**

Frame

Description	Part #	Price
#2 Top Side Skin, Right	U08043-16	**$123.07**
#2.5 Bulkhead Assembly	U38008	**$934.48**
#3 Bulkhead Channel, Left	U58003-2	**$148.66**
Right	U58003-3	**$148.66**
Cabin Stay Rib, Left	381019	**$169.91**
Right	381019-1	**$169.91**
Instrument Panel Stiffener	281141	**$51.89**
Door Latch Rod	281122	**$74.40**
Superstructure Vee Assembly	48020	**$25.47**
Frame Reinforcement Channel, Left	28048	**$130.13**
Right	28048-1	**$134.02**
No. 3 Top Side Skin Stiffener, Left	48086-9	**$23.36**
Top Tail Skin Stiffener, Right	58086-10	**$76.17**
Left	58086-11	**$76.17**
Bottom Tail Skin Stiffener	58086-12	**$76.17**
Oleo Reinforcement Patch	U18089	**$98.62**
Tail Tray Reinforcement Bracket	U18110	**$78.28**
Reinforcement	U181214	**$10.20**
Bulkhead #2.5 Fitting, Left	U28103-0	**$83.27**
Right	U28103-1	**$83.27**
Bulkhead No. 2.5 Reinforcement Flange, Left	U28116	**$48.20**
Right	U28116-1	**$48.20**

Skins • Bulkheads • Stampings



Part numbers starting with a 'U' prefix are FAA-PMA approved.

#	Description	Part #	Price
1	Nose Cowl Stamping*	U086085-2	**$1,878.64**
2	Bottom Cowl Stamping*	U086085-4	**$1,065.14**
3	Top Center Cowl Skin	U086085-3	**$538.92**
4	Cowl Door, Left	U086085-5	**$234.66**
	Right	U086085-6	**$234.66**
5	Station #1 Bottom Skin, Right	U08043-13	**$747.96**
	Left	U08043-12	**$747.96**
6	Station #2 Bottom Skin, Right	U08043-11	**$1,299.12**
	Left	U08043-10	**$1,299.12**

7	Station #3 Bottom Skin	U08043-51	**$674.90**
8	Station #3 Top Side Skin, Right	U08043-19	**$1,663.71**
	with cutout for "D" window (8E, 8F)	U08043-55	**$1,846.53**
	Station #3 Top Side Skin, Left	U08043-18	**$1,663.71**
	with cutout for "D" window (8E, 8F)	U08043-54	**$1,846.53**
9	Station #3 Top Center Skin	U08043-17	**$146.96**
10	Station #2 Bulkhead Upright (Doorpost), Left	U58028	**$408.08**
	Right	U58028-1	**$408.07**
11	Strip Skin, Bottom Station #2 Bulkhead		
	For use with 2-piece gear	U38104-2	**$256.58**
	For use with Silflex gear	U38104-3	**$215.40**
12	Station #2 Front Bulkhead Stamping*	U081156	**$611.92**
13	Station #2 Rear Bulkhead Stamping*	U081157	**$368.87**
14	Station #2.5 Bulkhead Stamping*	U38008-2	**$343.99**
15	Oleo Cover Plate Station #2 Bulkhead	28036	**$198.40**
16	Tailwheel Attach Bracket Assembly	U48359	**$511.82**
17	Station #8 Tail Bulkhead Assembly	U49099	**$452.97**
18	Station #7 Bulkhead	U28007	**$754.51**
–	Firewall Dishpan (not shown)	U581158	**$699.05**
19	Top or Bottom Frame Cone Skin (Blank)	08043-40	**$1,128.96**

* Stampings are not finished and must be fit to an individual airplane

Superstructure Vee Firewall Brace

With Pulley Brackets
581223-500 ..... **$1,625.66**
Without Pulley Brackets (shown at right)
581223-10 ..... **$738.32**

Carry-thru Spar Blanks

FAA-PMA APPROVED

- Complies with AD 55-24-01

Front or Rear ..... U28019-2 ..... **$569.38**

Blank Instrument Panel

FAA-PMA APPROVED

U081030-102 ..... **$667.30**

Landing Gear

Description	Part #	Price
Oleo Fitting Assembly	18074	**$168.44**
Oleo Cover Plate, #2 Bulkhead	28036	**$198.40**
Piston Tube Collar	28308-500	**$59.72**
Wheel Fairing Reinforcement, Right	28357-1	**$104.00**
Tie Rod Universal	U18313-2	**$194.63**
Landing Gear Bushing, Left	U18380-2	**$12.97**
Right	U18380-3	**$18.24**
Hinge Pin	U18381-2	**$84.06**
Landing Gear Fairing Block	U48321-2	**$71.25**

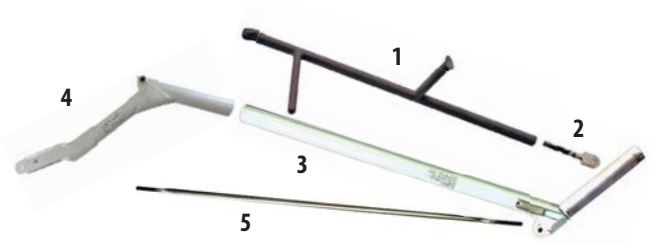
All-Aluminum Landing Gear Fairing

FAA-PMA APPROVED

For Standard Landing Gear
Left ..... U48321 .... **$277.83**
Right ..... U48321-1 .... **$277.83**
For Silflex Landing Gear
Left ..... U083140 .... **$366.12**
Right ..... U083140-1 .... **$366.12**

Luscombe Standard Landing Gear Parts

FAA-PMA APPROVED



1)	Jack Strut, Left	U48350	**$858.75**
	Right	U48333	**$858.75**
2)	Fork End (S-9)	U08311-4	**$87.66**
3)	Lower Leg, Left	U58383	**$1,336.67**
	Right	U58383-1	**$1,336.67**
4)	Upper Arm, Right	U48378	**$1,920.00**
	Left	U58379	**$1,920.00**
5)	Tie Rod (without fittings, 36¼" long)	AN676AC-3625	**$284.96**
	Tie Rod, Streamlined, Drawn and Polished (without fittings, 33¾" long)	AN677AC-3375	**$489.80**

Aircraft Ski Springs

STC APPROVED

- Atlee Dodge parts
- Applicability: Aeronca, Champion, Luscombe, Maule, Piper J-3 thru PA-22, Stinson, Taylorcraft
- Improves ski rigging tension in cold weather
- Use with tubular landing gear
- STC SA4624NM

Gold Color ..... 2127 ..... **$249.00**
Silver Color ..... 2097 ..... **$249.00**

Jack Strut for Silflex Landing Gear

FAA-PMA APPROVED

Silflex Jack Strut, Left ..... U583146 ..... **$814.58**
Right ..... U583146-1 ..... **$814.58**

Propellers

Univair furnishes a bolt kit with each propeller purchase. Bolt kits can also be purchased separately from our website.

Propeller descriptions below show basic aircraft/engine model applicability. Check manufacturer's websites for exact applicability before purchasing, or contact our sales staff at 1-888-433-5433 and we can research it for you.

Please note that we do not stock all of the propellers listed. Non-stocked propellers require 4-6 months for delivery.

McCauley Aluminum Fixed-Pitch Propellers

8F, T-8F Silvaire, Continental C-90	CM7152	**CALL**
8F, T-8F Silvaire, Continental C-90	CM7154	**CALL**
T-8F Sprayer, Continental C-90	CM7345	**CALL**
8FS Seaplane, T-8F Sprayer, Continental C-90	CM7347	**CALL**

Sensenich Wood Propellers

8E, 8F, Continental C-85, C-90	W72GK50-CUB	**$4,030.00**
8E, 8F, Continental C-85, C-90	W72GK50-SB	**$4,030.00**
8C, 8D, Continental A-75	W72GK46	**$3,995.00**
8C, 8D, 8E, Continental A-75, C-85	W72GK48	**$3,995.00**
8E, 8F, Continental C-85, C-90	W72GK50	**$3,995.00**
8A, Continental A-65	W76CK42	**$4,130.00**
8A, Continental A-65	W76CK44	**$4,130.00**

Tail Section

Description	Part #	Price
Square Tip Rudder Skins,		
Both Left and Right Skins Included	U08492-6/7	**$592.02**
Elevator Spar	18407	**$92.27**
Outboard Elevator Hinge	U18410	**$149.11**
Square Fin Rear Attach Plate Assembly	U18419	**$595.72**
Square Tip Rudder Spar	U18431	**$68.24**
Upper Rudder Hinge	U18433	**$149.79**
Blank Elevator Skins, Both Top and Bottom Skins Included,		
Fits Left or Right	CSI1037	**$796.71**
Lower Rudder Hinge	U18437	**$85.77**
Front Fin Attachment Shim	18438	**$9.39**
Front Plate, Vertical Fin Attach	U18487	**$152.06**
Vertical and Horizontal Stabilizer Tip (Square Type)	U28479	**$183.02**
Vertical Fin,		
Rear Spar (Square Type)	U38484-2	**$115.06**
Front Spar (Square Type)	U38485	**$75.23**
Bottom Rib (Square Type)	U38486	**$71.58**
Horizontal and Vertical Stabilizer Fairing,		
Left	U48404	**$121.96**
Right	U48404-1	**$121.96**
Horizontal Stabilizer Tip Assembly,		
Left (Round Type)	U48452-L	**$542.04**
Right (Round Type)	U48452-R	**$542.04**
Horizontal Stabilizer Leading Edge Skin,		
Left (Round Type)	58400-2L	**$193.61**
Right (Round Type)	58400-2R	**$193.61**
Horizontal Stabilizer Skin (Round Type)	58400-3	**$116.55**
Horizontal Stabilizer Top Center Skin (Round Type)	58400-4	**$116.55**
Vertical Stabilizer Forward Skin (Square Type)	U58480-2	**$284.52**
Vertical Stabilizer Aft Skin (Square Type)	U58480-3	**$279.16**
Nose Rib, Outboard	18474	**$47.53**
Nose Rib, Inboard	18473	**$47.53**
Hinge Nut Plate Assembly	18413	**$16.38**
Horizontal Stabilizer Center Spar	28417-2	**$248.37**
Round Rudder Lower Rib	28435-2	**$67.18**
Stabilizer Center Spar	38477-2	**$106.94**
Stabilizer Rear Spar	38483-2	**$395.65**
Tailwheel Spring Clip, Upper	48302-2	**$10.54**
Lower Left Inside Stabilizer Skin	58400-5	**$85.40**
Lower Right Inside Stabilizer Skin	58400-8	**$85.40**
Fin Leading Edge Skin, Right	58402-2	**$113.44**
Round Tip Bottom Rudder Skin, Left	58403-2	**$323.16**
Right	58403-3	**$323.16**
Round Rudder Leading Edge, Left	58403-4	**$94.86**
Right	58403-5	**$91.06**
Square Rudder Leading Edge Cover, Left	U08492-2	**$83.18**
Right	U08492-3	**$81.65**
Shim	U08492-5	**$39.74**
Rudder Horn Reinforcement	U18429	**$119.46**
Fin Plate	U18451	**$34.98**
Elevator Torque Tube Bearing	U18529	**$141.83**
Vertical Fin Bottom Rib, Square Type	U38486	**$71.58**
Tailwheel Attach Bracket	U48359	**$511.82**
Tail Bulkhead Assembly, Station #8	U49099	**$452.97**

Rudder and Elevator Hinge Pin and Bracket

FAA-PMA APPROVED

Hinge Pin	U18441	**$38.07**
Hinge Pin Bracket	U18416	**$36.05**

Vertical Fin Front Attach Fitting

FAA-PMA APPROVED

This fitting is welded 4130 steel and complies with all provisions of AD 94-16-02. This fitting is required only on those Luscombes with the "round tip" vertical stabilizer. For the square tip fin, use aluminum fitting, part number U18487.

U28444 ..... **$355.22**

Rudder Horn

FAA-PMA APPROVED

- For square tip rudder

U18490 ..... **$147.78**

Luscombe Fin and Rudder

- Square tip

FAA-PMA APPROVED

Rudder Assembly ..... U08492..... **$3,147.94**
Fin Assembly..... U58480..... **$2,042.61**

Tailwheel Springs

FAA-PMA APPROVED

Complete Set.....U28302 ..... **$314.94**
Tailwheel Spring Leaf, 3rd..... U28302-2 ..... **$47.97**
Tailwheel Spring Leaf, 2nd..... U28302-3 ..... **$42.70**
Tailwheel Spring Leaf, Top..... U28302-4 ..... **$35.11**
Tailwheel Spring Leaf, Main..... U48302-6 ..... **$73.14**

Windows • Windshields

Prices below are for clear windows and windshields only. See our website for prices and availability of Solar Gray and Green tinted versions. Delivery time is 10 to 12 weeks for non-stock items.

Description	Part #	Price
Windshield	081105-2	**$360.11**
Door Window, Opening Type	481107-12	**$83.90**
Door Window, Stationary Type	48125-2	**$105.44**
Left or Right Rear Window	19139	**$60.14**
Skylight	08011-2	**$56.43**

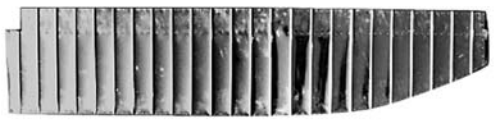
Wings

Description	Part #	Price
Trailing Edge Rib, Left	582207	**$47.38**
Right	582207-1	**$47.38**
Top Inboard Panel Skin, Left or Right	082201-40	**$135.85**
Spar Fitting, Right	582216-1	**$37.98**
Top Outboard Panel Skin	U082201-42	**$159.14**
Front Spar Fitting	U18016-2	**$124.96**
Rear Spar Fitting	U18016-3	**$124.96**
Leading Edge Stiffener, Center	U18812	**$17.29**
Center Inboard Leading Edge Rib	U48272-6	**$24.68**
Tip Outboard Leading Edge Rib	U48272-8	**$24.68**
Wingtip Bow, Left	U582208-2	**$726.20**
Right	U582208-3	**$740.65**

See our full inventory of parts on

www.univair.com

Aileron



Aileron Complete Assembly, Left	U58273	**$4,334.12**
Right	U58273-1	**$4,334.12**
Aileron Inboard Hinge	U18269	**$252.84**
Aileron Tip Outboard Hinge	U18270	**$149.11**
Aileron Center Hinge	U18279	**$221.33**
Inboard Hinge Bracket for Fabric Wing	18277-4	**$262.43**
Center Hinge Bracket for Fabric Wing	18277-5	**$262.43**
Aileron Horn	U18832-2	**$113.42**
Aileron Horn Assembly	U18832	**$222.92**
Aileron Spar, Left	U38271-3	**$173.57**
Right	U38271-4	**$160.72**
Top Aileron Skin, Left*	U582035	**$368.11**
Right*	U582035-1	**$368.11**
Bottom Aileron Skin, Left*	U582036	**$301.55**
Right*	U582036-1	**$301.55**
Aileron Reinforcement	U182032	**$8.23**
Closeout Strip, Aileron Inboard, Left or Right	U282160	**$49.44**
Closeout Strip, Aileron Outboard, Left	U282161	**$41.67**
Right	U282161-1	**$41.67**
Tip Outboard Aileron Rib, Left	U48272-2	**$37.98**
Right	U48272-3	**$36.18**
Root Trailing Edge Rib, Left	U48272-4	**$65.57**
Right	U48272-5	**$61.44**
Aileron Trim Tab, Left	U58273-6	**$64.53**
Aileron Top Leading Edge, Right	U58283-1	**$63.78**
Left	U58283-2	**$156.31**
Aileron Bottom Outboard Leading Edge, Right	U58283-3	**$63.78**
Left	U58283-4	**$36.11**
Aileron Bottom Inboard Leading Edge, Right	U58283-5	**$63.78**
Left	U58283-6	**$63.78**

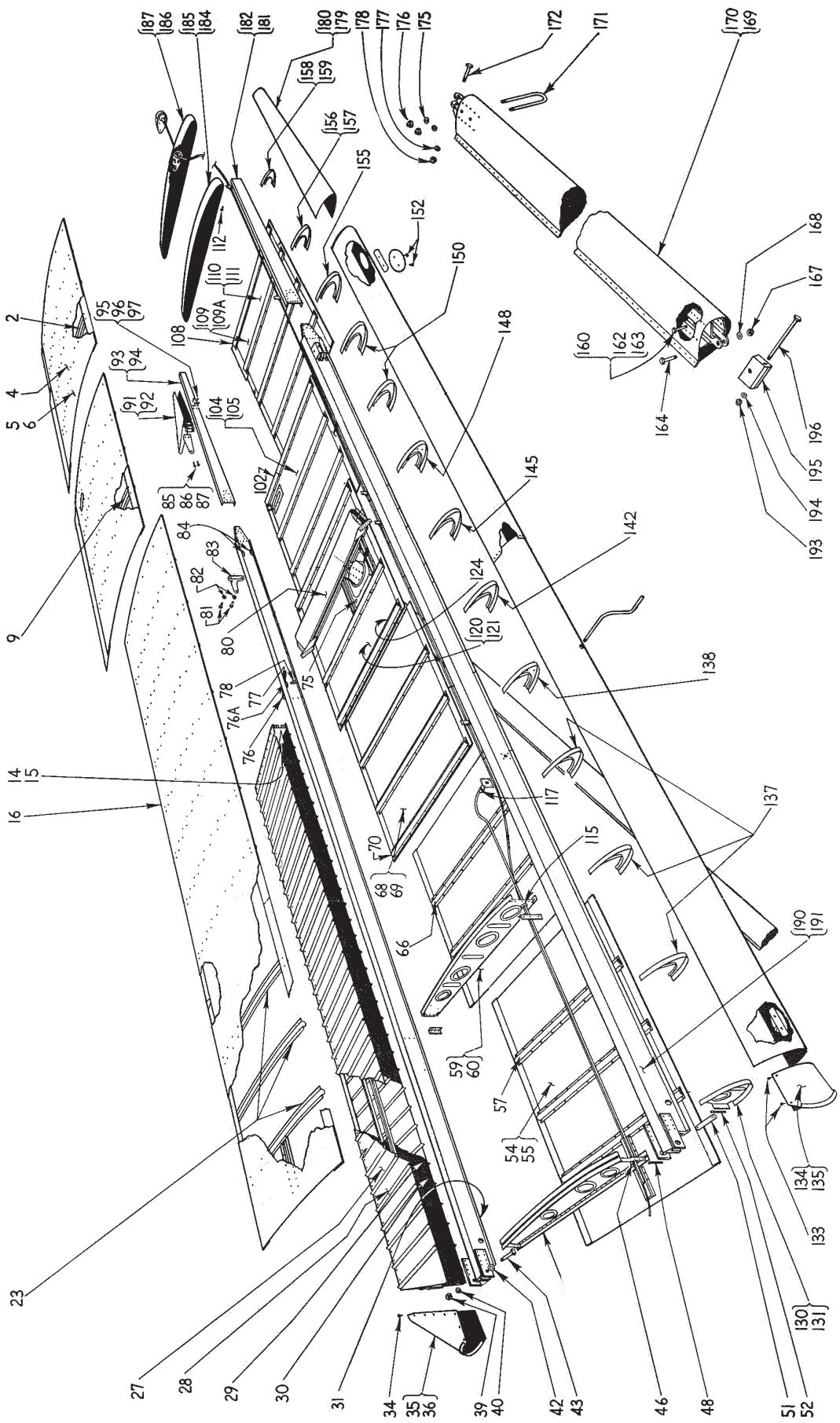
* Sold in top/bottom pairs only

Toll Free Sales: 1-888-433-5433

VISA MasterCard DISCOVER PayPal

All-Metal Wing

- Applicability: Luscombe 8A, 8E and 8F
- Only the parts listed are available from Univair
- Part numbers starting with a 'U' prefix are FAA-PMA approved



#	Description	Part #	Price
2	Top Outboard Panel Former	U082201-30	**$111.46**
4	Top Outboard Panel Skin	U082201-42	**$159.14**
5	Top Outboard Panel Sub Assembly, Left	U082201-6	**$886.94**
6	Top Outboard Panel Sub Assembly, Right	U082201-7	**$850.33**
9	Top Center Panel Former	U082201-30	**$111.46**
14	Trailing Edge Rib, Left	582207	**$47.38**
15	Trailing Edge Rib, Right	582207-1	**$47.38**
16	Top Inboard Panel Skin, Left/Right	082201-40	**$135.85**
23	Top Inboard Panel Former	U082201-30	**$111.46**
27/29	Left Trailing Edge Skins, Top & Bottom	U082201-50/52	**$897.29**
28/30	Right Trailing Edge Skins, Top & Bottom	U082201-51/53	**$897.29**
31	Main Wing Rear Spar Blank, Left/Right	082203	**$312.00**
34	Type A Slotted Screw	4X1/4-PRA-SS	**$0.02**
35	Trailing Edge Wing Root Fairing, Left	U482154-4	**$155.56**
36	Trailing Edge Wing Root Fairing, Right	U482154-5	**$155.56**
39	Self-Locking Nut (AN365-624)	MS21044N6	**$0.58**
40	Flat Washer (AN960-616)	NAS1149F0663P	**$0.11**
42	Flat Washer (AN960-616)	NAS1149F0663P	**$0.11**
43	Airframe Bolt	AN6-22A	**$0.86**
46	Rubber Grommet, Left Side Only (AN931-5-9)	MS35489-9	**$0.78**
48	Cotter Pin (AN380-3-4)	MS24665-285	**$0.04**
51	Front Wing Hinge Pin	U18230	**$81.66**
52	Cotter Pin (AN380-3-4)	MS24665-285	**$0.04**
54	Bottom No. 1 Panel Assembly, Left	U082201-8	**$734.36**
55	Bottom No. 1 Panel Assembly, Right	U082201-9	**$734.36**
57	Bottom No. 1 Panel Former	U082201-32	**$127.60**
59	Bottom No. 2 Panel Assembly, Left	U082201-10	**$663.20**
60	Bottom No. 2 Panel Assembly, Right	U082201-11	**$663.20**
66	Bottom No. 2 Panel Former	U082201-32	**$127.60**
68	Bottom No. 3 Panel Assembly, Left	U082201-12	**$656.54**
69	Bottom No. 3 Panel Assembly, Right	U082201-13	**$656.54**
70	Bottom No. 3 Panel Former	U082201-32	**$127.60**
75	Nut Plate	MS21047-L08	**$0.92**
76	Aileron Hinge Bracket	U282005	**$233.79**
76A	Airframe Bolt	AN3-12A	**$0.32**
76A	Flat Washer (AN960-616)	NAS1149F0663P	**$0.11**
77	Anchor Nut	K1000-3	**$0.26**
78	Anchor Nut	MS21051L3	**$0.50**
80	Inter-Spar Wing Strut Fitting Assembly, Right	582216-1	**$37.98**
81	Airframe Bolt	AN3-12A	**$0.32**
82	Flat Washer (AN960-616)	NAS1149F0663P	**$0.11**
83	Aileron Hinge Bracket	U282005	**$233.79**
84	Anchor Nut	K1000-3	**$0.26**
85	Airframe Bolt	AN3-4A	**$0.20**
86	Flat Washer (AN960-10)	NAS1149F0363P	**$0.08**
87	Self-Locking Nut (AN365-1032)	MS21044N3	**$0.51**
91	Wingtip Spur, Left	U582209-2	**$94.77**
92	Wingtip Spur, Right	U582209-3	**$94.77**
93	Rear Wingtip Spar, Left	U082203-4	**$197.86**
94	Rear Wingtip Spar, Right	U082203-5	**$197.86**
95	Airframe Bolt	AN3-4A	**$0.20**
96	Flat Washer (AN960-10)	NAS1149F0363P	**$0.08**
97	Self-Locking Nut (AN365-1032)	MS21044N3	**$0.51**
102	Bottom No. 5 Panel Former	U082201-32	**$127.60**
104	Bottom No. 5 Panel Assembly, Left	U082201-16	**$662.62**
105	Bottom No. 5 Panel Assembly, Right	U082201-17	**$662.62**
108	Bottom No. 6 Panel Former	U082201-33	**$84.76**
109	Bottom No. 6 Panel Skin, Left	U082201-48	**$187.49**
109A	Bottom No. 6 Panel Skin, Right	U082201-480	**$186.60**
110	Bottom No. 6 Panel Assembly, Left	U082201-18	**$836.94**
111	Bottom No. 6 Panel Assembly, Right	U082201-19	**$836.94**
112	Type A Recessed Screw, Zinc Plated	6X3/8-TRA	**$0.06**
115	Rubber Grommet (AN931-5-9)	MS35489-9	**$0.78**
117	Sleeve Coupling	AN819-3D	**$1.00**
120	Bottom No. 4 Panel Assembly, Left	U082201-14	**$669.12**
121	Bottom No. 4 Panel Assembly, Right	U082201-15	**$669.12**
124	Bottom No. 4 Panel Former	U082201-32	**$127.60**
130	Root Nose Rib, Left	282134	**$191.13**
131	Root Nose Rib, Right	282134-1	**$191.13**
133	Type A Slotted Screw, Zinc Plated	4X1/4-PRA-SS	**$0.02**
134	Wing Root Leading Edge Fairing, Left	U28249	**$53.14**
135	Wing Root Leading Edge Fairing, Right	U28249-1	**$53.14**
137	Leading Edge Nose Rib, Left/Right	282210	**$33.86**
138	Leading Edge Nose Rib Assembly, Left/Right	482214	**$67.76**
142	Leading Edge Rib, Left/Right	282210	**$33.86**
145	Leading Edge Nose Rib, Left/Right	282210	**$33.86**
148	Leading Edge Nose Rib Assembly, Left/Right	482214	**$67.76**
150	Leading Edge Nose Rib, Left/Right	282210	**$33.86**
152	Round Head Screw	AN515-6-4	**$0.03**
155	Leading Edge Nose Rib, Left/Right	282210	**$33.86**
156	Leading Edge Tip Nose Rib, Inboard, Left	282211	**$60.84**
157	Leading Edge Tip Nose Rib, Inboard, Right	282211-1	**$60.84**
158	Leading Edge Tip Nose Rib, Outboard, Left	282212	**$60.84**
159	Leading Edge Tip Nose Rib, Inboard, Right	282212-1	**$60.84**
160	Airframe Bolt	AN3-13A	**$0.30**
162	Flat Washer (AN960-10)	NAS1149F0363P	**$0.08**
163	Self-Locking Nut (AN365-1032)	MS21044N3	**$0.51**
164	Airframe Bolt	AN6-15A	**$2.60**
167	Self-Locking Nut (AN365-624)	MS21044N6	**$0.58**
168	Flat Washer (AN960-616)	NAS1149F0663P	**$0.11**
169	Lift Strut Assembly, Left	U082213	**$2,844.10**
170	Lift Strut Assembly, Right	U082213-1	**$2,844.10**
171	Tie Down Lug	182230	**$73.78**
172	Airframe Bolt	AN6-15A	**$2.60**
175	Flat Washer (AN960-616)	NAS1149F0663P	**$0.11**
176	Self-Locking Nut (AN365-428)	MS21044N4	**$0.30**
177	Flat Washer (AN960-616)	NAS1149F0663P	**$0.11**
178	Self-Locking Nut (AN365-624)	MS21044N6	**$0.58**
179	Outboard Wingtip Leading Edge Skin, Left	U082201-78	**$215.10**
180	Outboard Wingtip Leading Edge Skin, Right	U082201-79	**$215.10**
181	Front Wingtip Spar, Left	U082202-4	**$228.64**
182	Front Wingtip Spar, Right	U082202-5	**$228.64**
184	Wingtip Bow (Not Drilled For Lights), Left	U582208-202	**$717.02**
185	Wingtip Bow (Not Drilled For Lights), Right	U582208-303	**$762.54**
186	Wingtip Bow (Drilled For Lights), Left	U582208-2	**$726.20**
187	Wingtip Bow (Drilled For Lights), Right	U582208-3	**$740.65**
190	Front Spar Blank, Left	9445	**$446.98**
191	Front Spar Blank, Right	9445	**$446.98**
193	Self-Locking Nut (AN365-624)	MS21044N6	**$0.58**
194	Flat Washer (AN960-616)	NAS1149F0663P	**$0.11**
195	Universal, for Lower End Lift Strut	U18291	**$227.45**
196	Airframe Bolt	AN6-46A	**$4.00**

PIPER

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Univair has thousands of quality FAA-PMA approved and original Piper parts specifically for the Piper J-3, J-4, J-5, PA-11, PA-12, PA-14, PA-15, PA-16, PA-17, PA-18, PA-20, PA-22, and PA-25. We have the largest inventory of parts in the world for these aircraft. We also carry distributor parts such as tires, windshields, lighting, tailwheels, and more.

Piper Manuals

J-3 Owners Manual, C-65	J3WM	**$20.01**
J-3 Paint Scheme	J3PS	**$1.69**
J-3 Parts Manual	J3PM	**$21.21**
J-3 Early Parts Manual, 1937-1941	J3EPM	**$69.58**
J-3 Service Manual	J3SM	**$21.21**
Piper Cub Engine Log	170-112	**$36.98**
Piper Cub Airframe Log	750-111	**$27.84**
J-4 Parts Manual	J4PM	**$61.64**
J-4 Service Manual	J4SM	**$15.91**
J-4 (1939) Paint Scheme	J4PS39	**$1.69**
J-4 (1940) Paint Scheme	J4PS40	**$1.69**
J-4 (1941) Paint Scheme	J4PS41	**$1.69**
J-5 Parts Manual	J5PM	**$49.20**
J-5 Service Manual	J5SM	**$12.81**
J-5 (1940) Paint Scheme	J5PS40	**$1.69**
J-5 (1941) Paint Scheme	J5PS41	**$1.69**
PA-11 Parts Manual	11PM	**$22.42**
PA-11 Paint Scheme	11PS	**$1.69**
PA-12 Parts Manual	12PM	**$22.42**
PA-12 Operating Manual	12FL	**$12.01**
PA-12 Flight Manual	12FM	**$5.96**
PA-12 Paint Scheme	12PS	**$1.69**
PA-14 Parts Manual	14PM	**$25.35**
PA-14 Flight Manual	14FM	**$6.96**
PA-14 Operators Manual	14FL	**$14.42**
PA-14 Paint Scheme	14PS	**$1.83**
PA-15/17 Parts List, not illustrated	15PM	**$8.64**
PA-15/17 Flight Manual	15/17FM	**$9.51**
PA-16 Flight Manual	16FM	**$7.95**
PA-16 Parts List, not illustrated	16PM	**$19.38**
PA-16 Paint Scheme	16PS	**$1.69**
PA-18 95/125hp Owners Manual	18WM125	**$18.39**
PA-18 95/135hp Owners Manual	18WM135	**$17.40**
PA-18 95/150hp Owners Manual, pre-1974	18WM150	**$14.41**
PA-18 150hp Owners Manual, 1974 and later	18WM150-74	**$17.40**
PA-18 150hp Owners Manual 1988 and later	18WM150-88	**$16.16**
PA-18 Parts Manual	18PM	**$38.43**
PA-18 150hp Parts Manual for S/N 1809001 and up (approximately 1988 and later)	761-823	**$56.16**
PA-18/19 90hp Flight Manual	18FM90	**$9.44**
PA-18 135hp Flight Manual	18FM135	**$13.42**
PA-18/18A 150hp Flight Manual	18FM150	**$9.45**
PA-18S and PA-19S 108hp Seaplane Flight Manual	18SFMS	**$2.58**
PA-18 150hp Seaplane Flight Manual	18SFM150	**$2.58**
PA-18/20/22/25 Winter Supplement	18FMW	**$2.58**
PA-18 Inspection Sheet	230-202	**$2.58**
L-21 Erection and Maintenance Manual	L21EM	**$75.55**
PA-20 115hp Flight Manual	20FM115	**$9.44**
PA-20 125hp and 135hp Flight Manual	20FM125/135	**$9.44**

PA-20 115/125hp Owners Manual, and
PA-22 125hp Supplement ..... 20WM125 ..... **$20.38**
PA-20 and PA-22 135hp Owners Manual ..... 20WM135 ..... **$12.73**
PA-20 Pacer Parts Catalog ..... 20PM **$36.82**

PA-22 Parts Manual ..... 22PM **$51.20**
PA-22 108hp Flight Manual ..... 22FM108 ..... **$9.44**
PA-22 125hp Flight Manual ..... 22FM125 ..... **$9.44**
PA-22 135hp Flight Manual ..... 22FM135 ..... **$9.21**
PA-22 160hp Flight Manual ..... 22FM160 ..... **$13.42**
PA-22 108hp Owners Manual ..... 22WM108 ..... **$33.62**
PA-22 150hp Owners Manual ..... 22WM150 ..... **$16.01**
PA-22 Inspection Sheet ..... 230-201 ..... **$2.58**
PA-22 108hp Inspection Sheet ..... 230-206 ..... **$2.58**

Pawnee PA-25 Parts Catalog ..... 25PM **$57.16**

Service Aids, Bulletins, Letters and Memos
J-3 through J-5 ..... PBLJ **$75.55**
PA-11 through PA-22 ..... PBLPA **$90.46**
Piper Classic Inspection Sheet ..... 230-3000 ..... **$1.98**

Piper Parts From Atlee Dodge

Piper Seat Track Tie Down

- Adds cargo tie down capability to Piper style seat track
- Priced and sold individually
- Seat track not included
- For Piper PA-31 series aircraft
- Aluminum, anodized blue with steel bolt

Seat Track Tie Down ..... TDP31 ..... **$131.25**

Piper Metal Spar Lifting Eyes

- Atlee Dodge part
- Applicability: Piper PA-12 thru PA-22
- Allows aircraft to be hoisted for float, ski, wheel, and tire installations
- Priced and sold in pairs

Pair of Spar Lifting Eyes ..... 3217 ..... **$110.00**

Aircraft Ski Springs — STC APPROVED

- Atlee Dodge parts
- Applicability: Aeronca, Champion, Luscombe, Maule, Piper J-3 thru PA-22, Stinson, Taylorcraft
- Improves ski rigging tension in cold weather
- Use with tubular landing gear
- STC SA4624NM

Gold Color ..... 2127 ..... **$249.00**
Silver Color ..... 2097 ..... **$249.00**

J-3 and PA-11 Parts

All parts listed in this section are applicable on the Piper J-3 and PA-11. Applicability for other models is also noted. See the STC listings beginning on 159 for several modifications available for the J-3 and PA-11 models.

Description	Part #	Price
Front Seat Belt Attach Kit to Floor Structure		
for J-3, PA-11 • STC approval	3246	**$471.00**
Safety Cable Kit, for J-3C and PA-11 • STC approval	2089-18	**$277.00**
Clamp On Shoulder Harness Attach Bracket		
Front, for J-3 through PA-18 • PMA approved		
Fits 1" tube	3232-1-1	**$137.00**
Fits 1⅛" tube	3232-1-1-1/8	**$137.00**
Fits ¾" tube	3232-1-3/4	**$137.00**
Fits ⅞" tube	3232-1-7/8	**$137.00**
Rear, for J-3 through PA-18 • PMA approval		
Fits 1" tube	3232-2-1	**$228.00**
Fits 1⅛" tube	3232-2-1-1/8	**$228.00**
Fits ⅝" tube	3232-2-5/8	**$228.00**
Fits ⅞" tube	3232-2-7/8	**$228.00**
Landing Gear 1½", 3" Extended, for J-3 and PA-11 • STC approval		
Left	3284-1A	**$1,110.00**
Right	3284-2A	**$1,110.00**

Remote Compass Mount — STC APPROVED

- Applicability: Piper J-3 through PA-22
- STC SA144AL

Eliminate incorrect compass headings! Mounts on aft side of the spar about 140" outboard.

Compass Mount ..... 1033 ..... **CALL**

Standard Landing Gear — FAA-PMA APPROVED

- Applicability: Piper J-3, PA-11, PA-18, PA-19
- With 1¼" axle, standard length

Left Gear ..... 3225-1 ..... **$1,110.00**
Right Gear ..... 3225-2 ..... **$1111.00**

Vented Fuel Cap — STC APPROVED

- Applicability: J-3 through PA-22
- Stainless steel
- STC SA02040AK

Fuel Cap ..... 3267 ..... **$108.00**

Fishing Pole Tube Installation — STC APPROVED

Round Pole Tube, for J-3, J-4, PA-11, PA-12, PA-18 ..... SA262AL **$406.80**
Square Pole Tube, for PA-18 ..... SA137AL **$245.00**

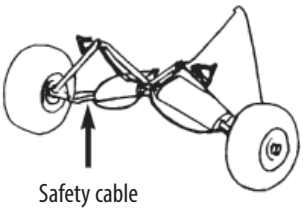
Price and availability subject to change without notice • Univair's Toll Free Sales: 1-888-433-5433

Rear Control Stick Cover

- Applicability: Piper J-3 through PA-18

Rear Control Stick Cover
3343 ..... **$677.00**

Safety Cable Kits

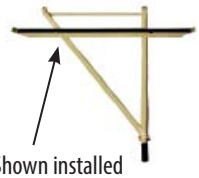


- Applicability: J-3C, PA-11, PA-18, PA-19
- Kits include STC

Cable Kit..... 2089-18..... **$277.00**
Bolt Kit (for 2089-18).... VA1025..... **$45.99**

Long Landing Gear Step **STC APPROVED**

- Applicability: Piper J-3 through PA-19
- STC SA02007AK



Long Landing Gear Step..... 3195 ..... **$290.00**

PA-12 and PA-14 Parts

All parts listed in this section are applicable on the Piper PA-12 and PA-14. Applicability for other models is also noted.

Description	Part #	Price
Remote Compass Mount Installation, for J-3 through PA-22 • STC approved	1033	**CALL**
Clamp On Shoulder Harness Attach Bracket		
Front, for J-3 through PA-18 • PMA		
Fits 1" tube	3232-1-1	**$137.00**
Fits 1⅛" tube	3232-1-1-1/8	**$137.00**
Fits ¾" tube	3232-1-3/4	**$137.00**
Fits ⅞" tube	3232-1-7/8	**$137.00**
Rear, for J-3 through PA-18 • PMA		
Fits 1" tube	3232-2-1	**$228.00**
Fits 1⅛" tube	3232-2-1-1/8	**$228.00**
Fits ⅝" tube	3232-2-5/8	**$228.00**
Fits ⅞" tube	3232-2-7/8	**$228.00**
Stainless Steel Vented Fuel Cap, for J-3 through PA-22 • STC approved	3267	**$108.00**

Atlee Toll Free Sales
1-877-332-8533 (1-877-33-ATLEE)
www.fadodge.com

Safety Cable Kits

- Applicability: PA-12, PA-14
- STC included
- Stainless steel plates and galvanized cables

Cable Kit, Standard Length Gear ..... 2089-12 ..... **$277.00**
Cable Kit, 3" Extended Gear..... 3344A **$277.00**

Universal Defroster Kit

- Applicability: PA-12, PA-14, PA-20, PA-22, Taylorcraft

The defroster kit has its own diverter box, control and outlets. It is installed aft of the cabin heat box on the inside of the cockpit. Installation time varies from 4 to 8 hours depending on the aircraft. The kit uses 2" CEET hose and can become very hot depending on the aircraft condition of the exhaust and cabin heat box, etc. This is considered a minor alteration. No approval is required.

Universal Defroster Kit ..... 3242-12 ..... **$1,043.00**

Float Fittings **STC APPROVED**

- Weld-on aft for PA-12 and PA-14

3143-12 ..... **$1,033.00**

Landing Gear

Landing Gear 1¼" 3" Extended • STC approved
Left ..... 3284-1 ..... **$1,110.00**
Right..... 3284-2 ..... **$1,110.00**
Standard Gear Shock Strut, Heavy Duty ..... 3164-2 ..... **$175.00**
3" Extended Gear Shock Strut, Heavy Duty..... 3164-4 ..... **$175.00**
Cabane Vee • STC approved ..... 3166-2 ..... **$596.00**

Strobe Light Mounting Bracket **STC APPROVED**

- Applicability: Piper J-3 through PA-18
- STC (SA638AL)

2087..... **$401.00**

PA-18 Parts

All parts listed in this section are applicable on the Piper PA-18. Applicability for other models is also noted.

Description	Part #	Price
Remote Compass Mount Installation, for J-3 through PA-22 • STC approved	1033	**CALL**

Cabin Heat/Vent Knob • PMA ..... 3312-3 ..... **$18.00**
Push Pull Knob, Black ..... 3311 ..... **$18.00**
Mixture Knob • PMA ..... 3312-1 ..... **$18.00**
Rear Control Stick Cover, for J-3, PA-11, PA-18 • STC ..... 3343 ..... **$677.00**

Rear Seat Heater Kit

- Applicability: Piper PA-18 series with Lycoming engines
- A must for Super Cubs in winter
- Includes hose
- STC SA02094AK included

3175 ..... **$1,021.00**

Safety Cable Kits

- Kits include STC

J-3C, PA-11, PA-18, PA-19 ..... 2089-18 ..... **$277.00**
Bolt Kit for 2089-18 ..... VA1025 ..... **$45.99**
PA-18 for 3" extended gear ..... 3344 ..... **$277.00**

Landing Gear

- Applicability: PA-18 plus other models noted below

Landing Gear 1¼", 3" Extended, for PA-12, 14, 18 • STC
Left ..... 3284-1 ..... **$1,110.00**
Right ..... 3284-2 ..... **$1,110.00**
Landing Gear 1½", 3" Extended, for PA-12, 14, 18 • STC
Left ..... 3284-1A **$1,110.00**
Right ..... 3284-2A **$1,110.00**
Long Landing Gear Step, for J-3 through PA-19 • STC ..... 3195 ..... **$290.00**
Landing Gear 1¼" Standard Length, for J-3, PA-11, 18, 19 • PMA
Left ..... 3225-1 ..... **$1,110.00**
Right ..... 3225-2 ..... **$1111.00**
Landing Gear 1½" Standard Length, for J-3, PA-11, 18, 19 • STC
Left ..... 3225-1A **$1,110.00**
Right ..... 3225-2A **$1,110.00**

Universal Defroster Kit

The defroster kit has its own diverter box, control and outlets. It is installed AFT of the cabin heat box on the inside of the cockpit. Installation time varies from 4 to 8 hours depending on the aircraft. The kit uses 2" CEET hose and can become very hot depending on the aircraft condition of the exhaust and cabin heat box, etc. This is considered a minor alteration. No approval is required.

PA-18 Defroster Kit ..... 3242-18 ..... **$1,043.00**

Heavy Duty Landing Gear Shock Struts

- For Piper PA-18

Standard Gear, STC SA4621NM ..... 3164-1 ..... **$175.00**
3" Extended Gear, STC SA02152AK ..... 3164-3 ..... **$175.00**

Cabane Vee

STC APPROVED

- Applicability: Piper PA-18
- Material: 4130N Steel
- STC approved (SA4618NM)
- Heavy duty replacement for Piper part numbers 30602-010 and 30602-007

3166-1 ..... **$544.00**

Universal Cabin Heat Box

- Applicability: J-3, PA-11, PA-18
- Stainless steel
- FAA 337 required
- Mounts with four screws
- Superior to the original style

18CHB **$592.00**

Heavy Duty Aircraft Tie Down Bracket

- Applicability: Piper PA-12, PA-18
- Quantity required: 2
- Priced and sold individually

3197 ..... **$185.00**

Lift Strut Reinforcement Bracket

Provides additional strength to the lift strut attach brackets and helps prevent damage from high winds when aircraft is tied down outdoors. If lift strut fitting is bent or has elongated holes it will need to be replaced.

- Applicability: Piper PA-18
- STC SA02026AK
- Powder coated white

Piper PA-18 ..... 3192-18DL **$166.00**

Weld-on Aft Float Fittings

STC APPROVED

- Applicability: Piper J-3, PA-11, PA-18
- Replaces clamp on style fittings
- Provides cleaner and stronger installation
- Pair included in price

Pair ..... 3143-18 ..... **$732.00**

Water Rudder Pick Up Handle

- Applicable on all aircraft equipped with EDO 89-2000 floats
- Stainless steel

Handle ..... 3359-2 ..... **$124.00**

Water Rudder Pickup Tube

- Stainless steel

Fairlead .....3359-6 ..... **$70.00**

Heavy Duty Brake Reinforcing Channel

FAA-PMA APPROVED

- Heady duty replacement prevents cracking
- Made of 4130N steel
- Powder coated gray

Brake Reinforcing Channel ..... 4231 ..... **$157.50**

Front Seat Belt Attach Kits

STC APPROVED

Relocate pilot's seat belt attachment to the fuselage floor for improved safety.

- Applicability: Piper PA-11 and PA-18
- Weld-on style
- STC SA02043AK

Front (Pilot) Seat Belt Attach Kit ..... 3246 ..... **$471.00**

Strobe Light Mounting Bracket

STC APPROVED

- Applicability: Piper J-3 through PA-18
- STC SA638AL

2087.....**$401.00**

Folding Front Seat Kit

Allows existing pilot seat to be modified into a folding seat for easier loading of aircraft.

- Applicability: Piper PA-18, PA-19
- Includes STC SA02085AK

Folding Seat Kit..... 3186..... **$542.00**

Cowl Channels

FAA-PMA APPROVED

- Applicability: Piper PA-18
- Stainless steel

Upper Cowl Channel..... 3276 ..... **$140.00**
Lower Cowl Channel..... 3277 ..... **$140.00**

Carburetor Air Filter Dome

FAA-PMA APPROVED

- Applicability: Piper PA-18 150hp
- Better than the original, with reinforced screw hole

Carb Air Filter Dome..... 3281 ..... **$180.00**

Shoulder Harness Mounts

FAA-PMA APPROVED

Attaches the shoulder harness to the fuselage frame thereby increasing safety of pilot and passengers during turbulence or accident.

- Material: Stainless steel
- Clamp-on; no welding required
- Sold without seat belts

Front

Fits 1" tube ..... 3232-1-1 ..... **$137.00**
Fits 1⅛" tube ..... 3232-1-1-1/8 ..... **$137.00**
Fits ¾" tube ..... 3232-1-3/4 ..... **$137.00**
Fits ⅞" tube ..... 3232-1-7/8 ..... **$137.00**

Rear

Fits 1" tube ..... 3232-2-1 ..... **$228.00**
Fits 1⅛" tube ..... 3232-2-1-1/8 ..... **$228.00**
Fits ⅝" tube ..... 3232-2-5/8 ..... **$228.00**
Fits ⅞" tube ..... 3232-2-7/8 ..... **$228.00**

Front Seat Battery Box

STC APPROVED

- Applicability: Piper PA-18, PA-19
- Battery and electrical components not included
- STC SA02156AK

Modification reduces weight approximately 18.4 lb when replacing stock rack and battery. Moves battery to underneath the front seat in the seat base frame. All new electrical components are advised at the time of install (not included).

3304.....**$601.00**

Fuel System Sight Gauges

STC APPROVED

- Applicability: PA-12, PA-14, PA-18, and PA-22 series aircraft using F. A. Dodge 30.5 gallon fuel tanks only
- STC SA02115AK

Fuel Sight Gauges ..... 3286-1 ..... **$96.00**

Heavy Duty Muffler

STC APPROVED

- Applicability: Piper PA-18
- 321 stainless steel with tailpipe gussets and bale
- Improves service life
- Alternative means of compliance to AD 68-05-01

Heavy Duty Muffler.....3241 ..... **$1,285.00**

Hot Rod Muffler

STC APPROVED

- Applicability: Piper PA-18, PA-19
- Heavy duty can
- Large tailpipe
- No flame tube
- Reduces back pressure
- STC SA02273AK

Hot Rod Muffler ..... 3241HR **$2,195.00**

2-Piece Muffler Shroud

STC APPROVED

- Applicability: Piper PA-18
- Quicker and easier to install than the original
- STC SA02024AK

Muffler Shroud..... 3236AD **$614.00**

2-Piece Split Pre-Heat Shroud

FAA-PMA APPROVED

- Applicability: Piper PA-18
- No need to remove exhaust stack to remove shroud
- STC SA02025AK

2-Piece Split Pre-Heat Shroud.....3182 ..... **$345.00**

Aluminum Heavy Duty Header Tanks

FAA-PMA APPROVED

- Applicability: Piper PA-18
- STC SA2303NM

Front Header Tank (shown above right) ..... 3169-1A **$499.00**
Rear Header Tank (shown above left).....3169-2 ..... **$499.00**

Rear Seat Cross Bar

FAA-PMA APPROVED

- Allows rear seat cross bar to be removed for easier loading of aircraft
- STC SA681AL

Removable Rear Seat Cross Bar.....3146 ..... **$470.00**

Vented Fuel Caps

FAA-PMA APPROVED

- Applicability: Piper PA-18 180hp
- Stainless steel
- FAA 337 approval required

Snorkel Fuel Cap.....3267-180 ..... **$125.00**

- Applicability: J-3 through PA-18
- Stainless steel
- Vented
- STC SA02040AK

Vented Fuel Cap .....3267 ..... **$108.00**

Filler Neck Repair Kit

This kit from Atlee Dodge allows your filler neck to be repaired in the field without welding. Install with fuel tank sealant and CherryMAX® rivets. Fuel tank sealant not included.

- Applicability: Piper PA-18
- Stainless steel
- FAA 337 approval required

Filler Neck Repair Kit.....3140-60R..... **$233.00**

Safari Seat

FAA-PMA APPROVED

- Applicability: Piper PA-18, PA-19
- Back folds forward to allow access to cargo area
- Can be removed and replaced in seconds
- 14 pounds lighter than the stock Piper seat
- 4130 N Steel, powder coated black
- Upholstery not included
- STC SA02356AK-D

Safari Seat..... 6151..... **$969.00**

Refueling Step

STC APPROVED

- Applicability: Piper J-3, J-4, J-5, PA-11, PA-12, PA-14, PA-15, PA-16, PA-18, PA-20, PA-22
- Clamp on refueling step
- When ordering, knowing the outside diameter of front landing gear tube is advisable
- Mounts on landing gear – no more step ladder!

Refueling Step • 1¼" tube.....3190-10 ..... **$152.00**
Refueling Step • 1⅜" tube .....3190-11 ..... **$152.00**
Refueling Step • 1½" tube.....3190-12 ..... **$152.00**

Belly Pan Clean Out Kit

FAA-PMA APPROVED

- Applicability: Piper PA-18, PA-19

Allows clean out of aft lower fuselage section and to gain access to jackscrew and pulleys. Welding is required for lion fastener receptacle plates.

Belly Pan Clean Out Kit.....3285 ..... **$450.00**

PIPER J-3 • PA-11

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Many parts can be correctly identified by the nomenclature listed in this section. However, we suggest that you also have the correct parts manual for positive identification.

Brake System

Description	Part #	Price
Brake Bleeder Tee Fitting (451-771)	B57-239	**$133.55**
45° Elbow (460-663)	3350X2	**$5.34**
Retracting Spring (750-029)	B21-35	**$12.42**
Brake Block (750-033)	B27-59-1	**$80.50**
Brake Inner Fairing (750-035)	B51-72	**$119.00**
Brake Frame (J-3 S/N 1999 to 4411)	750-038	**$17.91**
Brake Frame (750-039)	D12-101	**$31.02**
Brake Frame Flange (750-041)	D15-25	**$56.01**
Brake Plunger Rod (J-3)	750-049	**$108.45**
Brake Piston Rod (J-3)	750-051	**$26.30**
Master Cylinder Piston (750-295)	U1383A-000	**$76.74**
Attach Washer	80122-007	**$9.53**
Attach Washer	U80122-011	**$1.25**
Attach Link	U81262-008	**$13.56**
Attach Washer, Upper	85012-004	**$2.63**
Lower	U85012-005	**$2.74**
Brake Pedal Block, Outer	U41521-000	**$111.29**
Brake Pedal Block, Inner	41531-000	**$91.63**
Brake Pedal Stop Plate	U41561-000	**$30.68**
Brake Pedal Tie Rod	U41581-004	**$94.32**
Master Cylinder Brake Pedal	U1715A	**$259.58**
Master Cylinder Diaphragm	U750-384	**$48.31**

Flexible Brake Lines

FAA-PMA APPROVED

Flexible Brake Line, 6"	U71061-002	**$266.50**
Flexible Brake Line, 14.25"	U71061-004	**$242.55**

Brake Pedals

J-3, Left	U41602-002	**$174.58**
Right	U41602-003	**$174.58**
PA-11, Left	U10734-000	**$309.80**
Right	10734-001	**$187.10**

Goodrich Brake Assembly Parts

- Applicability: Pipers with 8.00 x 4 wheels
- While supplies last!

Brake Block (750-033)	B27-59-1	**$80.50**
Spring (750-029)	B21-35	**$12.42**
Shield (750-093)	A72-30	**$32.57**

Goodrich Brake Drum

- Inside must be machined after assembly

Drum (750-894)	B13-4	**$287.19**
Flat Head Rivets (6 required, sold individually) (750-895)	AN441-6-6P	**$0.81**

Master Cylinder

FAA-PMA APPROVED

Detail replacement parts available. See detailed illustration on page 298.

Left	U1248A	**$1,493.93**
Right	U1260A	**$1,493.93**

Cleveland Wheels & Brakes Conversion Kit

Convert from your Goodrich wheels and brakes to the new Cleveland wheels and brakes. Uses the 6.00 x 6 tires. FAA 337 or STC approval required for installation. Request STC SA11RM-1.25 when you purchase this kit and it is available at no charge.

Cleveland Conversion Kit ..... 199-07100 ..... **$5,795.53**

Installation May Require:

Lines (2 required*) ..... U60703-002 ..... **$79.83**
Elbows (2 required*) (558-819) ..... 502X4 ..... **$16.24**
Elbows (2 required*) (460-677) ..... 402X4 ..... **$5.08**
STC, for 1¼" axle ..... STC-SA11RM-1.25 ..... **$145.44**
6.00 x 6 Stamped Aluminum "CUB" Hub Caps ..... U1680-00 ..... **$43.30**
Cub Mask (see description on page 67) ..... CUB-MASK **$17.45**

* Priced and sold individually

Grove 800 x 4 Disk Brake Conversion **STC APPROVED**

- For Goodrich wheels and brakes only
- Maintain your classic look
- Use your existing wheels, tires, tubes, master cylinder and brake lines
- Easy installation – all parts and special tools included

Grove Brake Conversion Kit ..... 76002 ..... **$1,029.00**

Cockpit • Interior

J-3 Blank Instrument Panel **FAA-PMA APPROVED**

- Original shape
- Aluminum
- Arrange your instrument panel to suit your specific needs!

U54703-000 ..... **$82.47**

Description	Part #	Price
Trim Strip	10048-000	**$48.31**
Rear Window Trim Strip, Right	10668-000	**$29.44**
Cockpit Center Panel, Right	10930-000	**$111.57**
Airspeed Tube	13541-004	**$14.93**
Felt Strip, 1/16" x ½" x 30"	180-497	**$8.25**
Rubber Moulding (Window/Door Seal)	187-610	**$1.41/ft**
J-3 Front Floorboard	50652-000	**$249.20**
J-3 Front Seat Back Canvas	50982-000	**$97.13**
Baggage Compartment	51973-000	**$61.50**
J-3 Rear Seat Sling	51983-000API	**$194.25**
Front Seat Bottom	52542-000	**$97.13**
Brown Weatherstrip	52841-000-8	**$31.29**
Brown Weatherstrip	52841-000-9	**$31.29**
J-3 Black Weatherstrip	52841-030	**$18.00**
Windshield Strip, Left	53922-017	**$65.15**
Cable Clamp	80032-004	**$23.52**
Washer	80122-010	**$5.31**
Stabilizer Crank Lock Pin	81761-011	**$11.11**
Bushing	82732-003	**$2.50**
Airspeed Tube	0554-000	**$18.41**
PA-11 Blank Instrument Panel	CS10770-000	**$78.54**
Blank Throttle Plate	CSI-1047	**$29.13**
Trim Plate	CSI-1048	**$45.90**
Upper Door Frame	R12256-001	**$1,166.27**
Lower Door Frame	R12257-001	**$1,099.43**
Window Trim Strip	U10044-000	**$69.58**
Rear Floorboard	U10135-000	**$195.38**
Front Floorboard	U10737-000	**$202.29**
Windshield Front Strip	U10793-000	**$149.65**
Rear Floorboard	U10799-000	**$212.40**
Control Knob, Black	U10911-000	**$13.71**
Threaded Bushing	U11789-000	**$19.43**
Throttle Control Cable, 61.25"	U12694-002	**$654.45**
Airspeed Tube	U13541-002	**$72.85**
Non-Recording Tachometer Cable (486-565)	U1713-N340	**$175.30**
Window Stop Set Screw	U21601-000	**$18.31**
Throttle Lever Connecting Link	U41551-000	**$67.62**
Front Control Stick Assembly	U42812-000	**$624.06**
Aileron Pulley Cover Housing	U50042-000	**$39.17**
Inside Channel Cover	U50301-000	**$28.65**
Top Deck Rear Trim Strip	U54581-000	**$28.13**
Wing Root Fairing, Left	U60803-000	**$36.16**
Right	U60803-001	**$36.16**
Wing Butt Rear Fairing	U60882-000	**$32.60**
Scoop Assembly	U70442-003	**$490.07**
Clamp	U80222-006	**$39.04**
Washer for Skylight	U81342-045	**$5.09**

Control System

Description	Part #	Price
Torque Tube Bearing Cap	21811-003	**$211.54**
Control Stick Grip	41221-000	**$38.24**
Front Control Stick Lower Stub	42792-000	**$439.68**
Rear Control Stick Assembly	42812-002	**$624.06**
Control System Hardware Kit	750-259	**$469.74**
Stabilizer Wire Clamp	80002-015	**$23.71**
Elevator Cable Link, Upper	81262-009	**$9.40**
Yoke Attach Link	81322-003	**$15.72**
Stabilizer Trim Handle Locking Pin	81761-003	**$22.26**
Pulley Locking Pin	81761-004	**$13.67**

Cable Link	U10449-000	**$37.70**
Throttle Control Knob, Black	U10911-000	**$13.71**
Flap Return Spring	U10940-000	**$37.01**
Fairlead 'U' Bracket	U11151-000	**$9.88**
Rudder Arm	U1140A-000	**$241.37**
Stabilizer Tube Yoke Link	U14180-002	**$343.50**
Rudder Pedal Fitting	U24121-002	**$9.08**
Rudder Pedal Fitting	U24121-003	**$9.08**
Elevator Assembly	U40572-000	**$743.95**
Vertical Stabilizer	U40592-000	**$623.71**
Horizontal Stabilizer	U40643-000	**$875.23**
Idler Pulley Yoke	U40651-000	**$47.37**
Bellcrank Assembly	U40663-004	**$905.74**
Rubbing Block	U40721-000	**$49.42**
Elevator Horn Fitting	U40821-004	**$41.72**
Rudder Pedal, Left	U40842-004	**$216.75**
Right	U40842-005	**$216.75**
Elevator Pushrod	U40901-002	**$595.47**
Bellcrank Assembly	U40911-000	**$157.86**
Elevator Bellcrank Ball Cover	U40921-000	**$70.30**
Elevator Bellcrank Ball	U40931-000	**$98.84**
Rudder Pedal Spring	U40941-000	**$12.47**
Upper Tail Brace Wire	U41031-002	**$46.77**
Lower Tail Brace Wire	U41031-003	**$41.14**
Trim Crank Escutcheon	U41101-000	**$39.21**
Stabilizer Adjust Trim Crank	U41111-000	**$139.81**
Stabilizer Indicator	U41121-000	**$38.27**
Escutcheon Spring	U41151-000	**$10.63**
Trim Crank Pin	U41161-000	**$40.79**
Lower Rear Elevator Cable Link	U41271-000	**$25.29**
Rudder Assembly, Uncovered	U41313-000	**$873.03**
Torque Tube Bearing Shim	U41371-005	**$13.14**
Throttle Arm	U41491-000	**$85.45**
Brake Pedal Stop Plate	U41561-000	**$30.68**
Stabilizer Screw Pulley Key	U41631-000	**$20.01**
Aileron Assembly, Uncovered, Left	U42585-000	**$1,707.17**
Right	U42585-001	**$1,707.17**
Stabilizer Indicator Wire	U42664-003	**$28.88**
Stabilizer Adjust Yoke	U42692-000	**$318.63**
Front Control Stick Assembly	U42812-000	**$624.06**
Stabilizer Indicator Spring	U42891-000	**$8.31**
Elevator Bellcrank Shim	U42941-000	**$16.68**
Stabilizer Adjust Screw	U42961-102	**$128.23**
Fin Leading Edge Fairing	U60602-000	**$138.78**
Elevator Horn Attach Bushing	U80012-017	**$14.01**

Stabilizer Indicator Cover

- Aluminum plate
- Black, green or red with white text
- Approximately 4⅝" wide by 5.25" high

Black	U10936-000BK	**$79.66**
Green	10936-000GN	**$75.77**
Red	U10936-000RED	**$79.66**

Piper Pulleys

FAA-PMA APPROVED

1 2 3 4

Description	O.D.	I.D.	Part #	Price
1) Fiber Trimcrank Pulley	2¾"	⅜"	U41171-000	**$91.20**
2) Fiber Pulley, No Slot	2¾"	⅜"	U40991-000	**$20.19**
3) Fiber Pulley	1¾"	¼"	U80421-000	**$13.64**
4) Stabilizer Screw Pulley	2¾"	⅜"	U43061-000	**$132.70**

J-3 and PA-11 Control Cables

FAA-PMA APPROVED

Cable descriptions are basic. Please consult your aircraft parts manual for proper cable application for your model and serial number.

PA-11 Rudder Cable, 215⅛", Galvanized	10865-000	**$239.80**
Stainless	U10865-005	**$276.95**
PA-11 Elevator to Upper Horn, 137¹⁵⁄₁₆", Galvanized	U10869-000	**$146.31**
Stainless	U10869-003	**$148.95**
PA-11 Elevator to Lower Horn, 137⅜", Galvanized	U10870-000	**$174.11**
J-3 Rudder Cable, 182¹³⁄₁₆", Galvanized	U40123-002	**$230.55**
Stainless	U40123-002S	**$215.76**
J-3 Aileron Control, 167¹⁵⁄₁₆", Galvanized	U40123-003	**$158.09**
Stainless	U40123-003S	**$191.50**
J-3 Aileron on Lift Strut, S/N 1 to 8277, 174¹³⁄₁₆"		
Galvanized	U40123-004	**$211.90**
Stainless	U40123-004S	**$251.39**
J-3 Elevator to Upper Horn, 137¼", Galvanized	U40123-005	**$199.92**
Stainless	U40123-005S	**$222.98**
J-3 Elevator to Lower Horn, 136⅛", Galvanized	U40123-006	**$166.88**
Stainless	U40123-006S	**$175.35**
J-3 Front Rudder Up Parking Brake Cable, 25⁹⁄₁₆"		
Galvanized	U40123-007	**$160.05**
Stainless	U40123-007S	**$206.73**
PA-11 Bungee Cable, 19¾", Galvanized	U40123-008	**$52.00**
Stainless	U40123-008S	**$56.30**
PA-11 Aileron on Lift Strut, 174³⁄₁₆", Galvanized	U40123-028	**$149.79**
Stainless	U40123-028S	**$163.35**
J-3 Aileron on Lift Strut, S/N 8278 and up, 174⁹⁄₁₆"		
Galvanized	U40123-034	**$196.05**
Stainless	U40123-034S	**$179.38**
J-3, PA-11 Trim Cable, 308⅝", Galvanized	U41671-002	**$338.18**
Stainless	41671-008	**$252.78**
Piper Special Turnbuckle Fork	U461-132	**$57.35**
Turnbuckle Assembly	U42722-000	**$182.81**

Liner Tubes

FAA-PMA APPROVED

Link Assembly Liner Tube, 16" Length
U86062-080 ..... **$142.85**
Rear Liner Tube, 8" Length
U86062-079 ..... **$107.66**

Engine • Cowling • Exhaust

Description	Part #	Price
Lower Cowl Mounting Bracket, Left (Longeron)	U10815-000	**$269.63**
Right	U10815-001	**$269.63**
Rear Side Baffle Assembly, Left	10830-000	**$76.14**
Right	10830-005	**$81.45**
Front Side Baffle Assembly, Right	10832-000	**$108.79**
Left	10835-000	**$86.23**
Inner Cylinder Baffle	10922-000	**$16.00**
Throttle Clamp	70801-000	**$95.90**
Baffle Tie Rod	71451-003	**$66.36**
Engine Breather Line Clamp	72941-000	**$46.31**
Nose Cowl Bracket, Left	72951-000	**$24.77**
Right	72961-000	**$28.17**
J-3 Nose Cowl Bracket	74251-000	**$22.72**
Motor Mount Cowl Brace, Left	74261-000	**$29.28**
Right	74271-000	**$28.97**
Throttle Control Cable Clamp	U80002-003	**$21.75**
PA-11 Cowl Mounting Top Bracket	U10814-000	**$157.90**
Support, Baffle Hanger	U10920-000	**$25.39**
Intercylinder Baffle, Outer	U10923-000	**$30.58**
Primer Jet (Straight Type, J-3)	U31197-000	**$72.82**
Throttle Lever Connecting Link	U41551-000	**$67.62**
Aileron Pulley Cover Housing, Floorboard	U50042-000	**$39.17**
Flexible Fuel Hose	U70322-002	**$202.78**
Gascolator Mounting Bracket	U71991-000	**$94.36**
Fuel Line	U72432-000	**$163.73**
Bottom Cowl Intake Cover	U73951-000	**$45.18**
Cooling Baffle Washer	U81342-018	**$4.65**
Crankcase Breather Tube	U84332-000	**$129.28**

PA-11 All-Aluminum Cowling

FAA-PMA APPROVED

- Applicability: Piper PA-11

Nose Cowl for Screw Fasteners .....U10802-000..... **$1,955.53**
Top Cowl .....U10808-000..... **$286.13**
Bottom Cowl .....U10809-000..... **$443.46**
Fuselage Cowl .....U10789-000..... **$1,560.97**

Engine Side Cowl, Left	U10810-000	**$506.90**
Right	U10810-001	**$506.90**

J-3 All-Metal Cowling

FAA-PMA APPROVED

- Applicability: Piper J-3

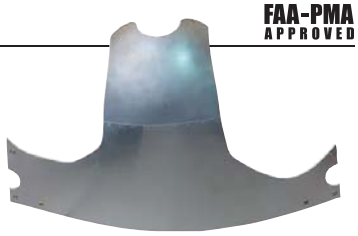
Firewall, Galvanized Steel	U22453-000	**$148.02**
Firewall, Stainless Steel	U22453-100	**$228.62**
Fuselage Cowl, Aluminum*	U23993-000	**$1,229.96**
Fuselage Cowl, Stainless Steel*	U23993-000S	**$1,306.54**
Top Cowl, Front Section, Aluminum	U74353-000	**$683.58**
Bottom Cowl, Front Section, Aluminum	U74334-000	**$973.63**

* Shipped via motor freight; crate cost CR-BC312 will be added to shipping costs

Top Cowl Assembly

FAA-PMA APPROVED

- Applicability: Piper J-3



U72543-000..... **$960.92**

Bottom Cowl

FAA-PMA APPROVED

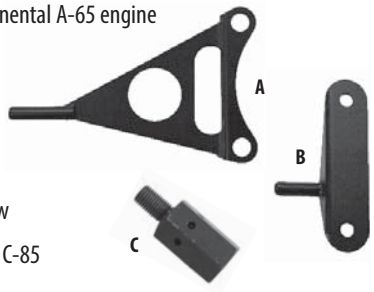
- Applicability: Continental powered Piper J-3
- All-aluminum
- S/N 10399 and up

J-3 Bottom Cowl .....U74613-000..... **$1,427.00**

Cowling Brackets

FAA-PMA APPROVED

- Applicability: Piper J-3 with Continental A-65 engine



A) Nose Cowl Bracket, Right
U72571-000 ..... **$119.86**

B) Nose Cowl Bracket, Left*
U72651-000 ..... **$103.94**

* Must use adapter 23130 below

C) J-3 Cowl Bracket Nut Adapter for C-85
23130 ..... **$116.92**

All-Aluminum J-3 "Eyebrow" Baffles

FAA-PMA APPROVED

Left Side Baffle	U70873-002	**$754.87**
Right Side Baffle	U70873-003	**$754.87**

Muffler Bail

FAA-PMA APPROVED

Welded inside muffler outlet to guard against flame tube failure and obstruction of exhaust outlet.

Muffler Bail ..... U452-093 ..... **$56.67**

Air Scoop Assembly

FAA-PMA APPROVED

- Applicability: Piper J-3

U72522-000..... **$324.71**

Carburetor Air Box

FAA-PMA APPROVED

- Applicability: 4-cylinder Continental engines

Carburetor Air Box
for C-75, C-85, C-90 engines.....UA50256....**$989.69**
for A-65 engines.....UA50495....**$825.08**
Air Filter only (40599)..... 600314....**$109.99**
Gasket..... 652142.....**$8.23**

Exhaust Gaskets

- Stainless steel
- Applicability: Continental engines
- 2 required per port – sold separately

Exhaust Gaskets .....632837 ..... **$3.28**

Continental Front Propeller Plate

FAA-PMA APPROVED

- Flanged or tapered crankshaft installation

Front Propeller Plate .....U3991 .....**$186.93**

Flexible Oil Pressure Hose

FAA-PMA APPROVED

- Length: 6"
- Hose Material: MIL-H-5593-4

U71061-000.....**$158.13**

Tachometer Cables

FAA-PMA APPROVED

Non-Recording

J-3 • 35".....TACH-35NR.....**$169.79**
J-3 • 31".....U1713-N310.....**$175.30**
J-3, PA-11 • 34".....U1713-N340.....**$175.30**
J-3 • 33".....TACH-33NR.....**$169.79**

Recording

J-3 • 29.5".....U1713-R295.....**$175.30**
J-3, PA-11 • 32.5".....U1713-R325.....**$175.30**
J-3 • 35".....U1713-R350.....**$175.30**
J-3 • 34".....TACH-34.....**$169.79**

Engine Mount

FAA-PMA APPROVED

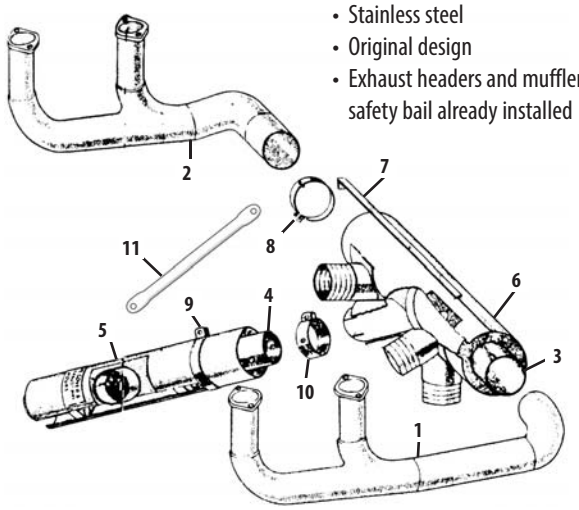
J-3 Mount .....U71163-000*.....**$1,319.82**
PA-11 Mount C90.....U10576-000.....**$1,157.06**

* U71163-000 is approved to accommodate the O-200 engine, and it is the required mount for the O-200 engine installation STC-SA107RM and STC-SA7435SW.

J-3 Exhaust System

FAA-PMA APPROVED

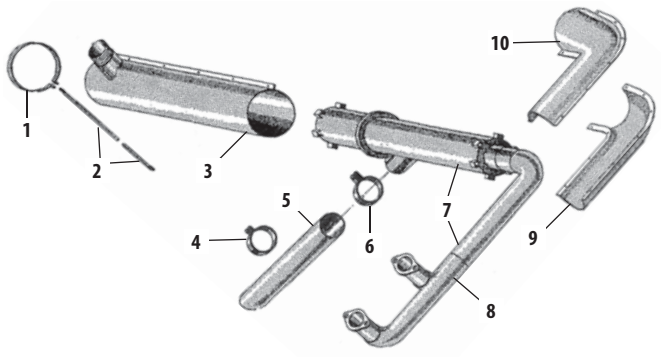
- New manufactured
- Stainless steel
- Original design
- Exhaust headers and muffler with safety bail already installed



1) Exhaust Stack, Left.....U71082-000.....**$1,154.56**
2) Exhaust Stack, Right.....U70671-000.....**$1,023.91**
3) Muffler Assembly, Less Shroud and Clips.....U71053-002.....**$1,065.03**
4) Tailpipe.....U74501-000.....**$395.41**
5) Tailpipe Shroud.....U70912-000.....**$292.50**
6) Muffler Shroud.....U70963-000.....**$657.09**
7) Slide Clip.....U71261-000.....**$72.99**
8) Muffler Stack Connecting Clamp (2 required).....U70591-002.....**$38.16**
9) Tailpipe Brace Clamp.....U80002-022.....**$44.53**
10) Muffler Clamp.....U72691-000.....**$39.53**
11) Exhaust Tailpipe Brace.....U70581-000.....**$89.43**

PA-11 Exhaust System

FAA-PMA APPROVED



1) Muffler Shroud Attach Clamp.....U10466-006.....**$35.45**
2) Tailpipe Brace.....10848-00.....**N/A**
3) Muffler Shroud Assembly.....U10762-000.....**$436.35**
4) Tailpipe Brace Attach Clamp.....U80002-020.....**$30.75**
5) Exhaust Tailpipe Assembly.....U10863-000.....**$249.27**
6) Tailpipe and Stack Attach Clamp.....U70591-002.....**$38.16**
7) Exhaust Stack and Muffler Assembly, Left.....U10757-000.....**$3,055.27**
8) Exhaust Stack Assembly, Right.....U10760-000.....**$2,395.32**
9) Lower Exhaust Shroud, Left.....U10843-000.....**$292.98**
Right.....U10846-000.....**$279.66**
10) Upper Exhaust Shroud, Left.....U10764-000.....**$194.10**
Right.....U10845-000.....**$195.79**

J-3 Eyebrow Fairing Bracket

FAA-PMA APPROVED

- Applicability: Piper J-3

U72201-000..... **$88.06**

Continental Carburetor Air Box Support

FAA-PMA APPROVED

- Applicability: Continental engines A65, A75, C75, C85, C90, O-200

UA35917..... **$132.97**

Engine Mount Bushings

FAA-PMA APPROVED

- Rubber
- Used on all A and C series Continental engines
- 8 required per installation
- Priced and sold individually

Continental Bushings..... U22387A **$7.22**

Throttle Control Cable

FAA-PMA APPROVED

- Applicability: Piper J-3 and PA-11
- Material: Stainless Steel
- Length: 61.25″

U12694-002..... **$654.45**

Cowl Stud

FAA-PMA APPROVED

- Applicability: Piper J-3 bottom cowl

Cowl Stud..... U72501-000 ..... **$45.86**

Skull Cap Spinner

FAA-PMA APPROVED

- This spinner may not fit all taper shaft installations

Small Skull Cap Spinner .....U0450279 ..... **$89.41**
Spinner Bracket.....U0450281 ..... **$31.93**
Spinner Assembly .....SM-SPIN-ASY **$121.22**

Cabin Heat Boxes

FAA-PMA APPROVED

A

B

C

A) J-3 Cabin Heat Box..... U70422-000 ..... **$525.34**
B) PA-11 Cabin Heat Box..... U10987-000 ..... **$680.64**
C) Piper Scoop Assembly..... U70442-002 ..... **$483.50**

Frame

Description	Part #	Price
Aileron Pulley Plate, Left	20951-000	$13.36
Right	20951-001	$13.36
Latch Link Assembly	50192-000	$83.57
Stabilizer Screw Lower Bearing	80022-020	$12.61
Tail Tie Rod Attach Fitting	80292-015	$18.52
Front Landing Gear Fitting Gusset	81272-015	$5.57
Stabilizer Adjust Crank Bracket, Left or Right	J21571-000	$14.52
Fabric Reinforcement	U10293-002	$22.83
Round Clamp	U10466-009	$55.72
Washer	U10469-000	$0.99
Engine Top Cowl Assembly	U10808-000	$259.52
PA-11 Bottom Cowl Assembly	U10809-000	$402.22
Side Cowl, Left	U10810-000	$459.77
Right	U10810-001	$459.77
Stringer Attach Clip	U20391-000	$3.48
Tailwheel Spring 'U' Attach Fitting	U20631-000	$43.69
Front Aileron Pulley Housing Plate (PA-11), Left	U20961-000	$29.08
Right	U20961-001	$12.80
Stabilizer Rear Support Assembly	U21161-000	$238.34
Landing Gear Front Fitting	U21272-002	$177.60
Wing Hinge Fitting, Left	U21421-000	$48.48
Right	U21421-001	$48.48
Front Wing Front Fitting	U21431-000	$85.37
J-3 Fuselage Cowl – Aluminum*	U23993-000	$1,115.61
J-3 Fuselage Cowl – Stainless Steel Firewall*	U23993-000S	$1,089.83
Rudder Pedal Fitting	U24121-002	$8.24
Door Plunger	U50131-000	$87.38
Door Latch Kit	U52745-000	$5.07
Yoke Inspection Cover, Left	U60571-000	$26.73
Right	U60571-001	$26.73
Tail Inspection Plate, Left	U60742-000	$38.43
Right	U60742-001	$38.43
Aileron Pulley Cover	U60752-000	$65.77
Front Seat Rear Attach Clamp	U81332-009	$22.36
Engine Mount Bulkhead Bushing	U82341-002	$30.49
Rectangular Inspection Cover	U82461-000	$18.02
Adjustable Stop Screw	U85061-000	$11.63

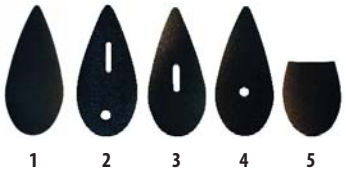
* Shipped via motor freight; crate cost CR-BC312 will be added to shipping costs

Piper J-3 Reinforcement Patches

FAA-PMA APPROVED

- Made of black vinyl
- #1 through 4 are approximately 4.5″ high by 2″ wide
- #5 is approximately 2 9/16″ high by 2″ wide

1) U60481-000 ..... **$8.10**
2) U60863-002 ..... **$4.52**
3) U60863-003 ..... **$4.57**
4) U60863-005 ..... **$10.12**
5) U60863-009 ..... **$12.37**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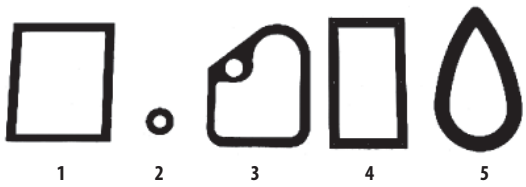
Piper J-3 and PA-11 Grommets

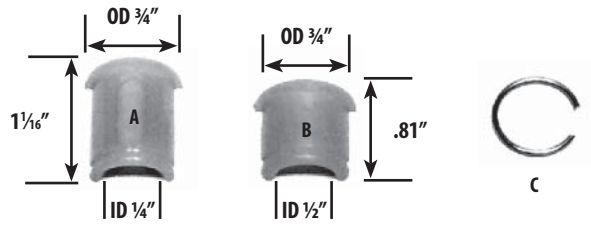


1) Grommet, Stabilizer Yoke Inspection ..... U10292-000 ..... **$14.33**
2) Grommet, Wing Root Reinforcing ..... 80122-051 ..... **$4.37**
3) Grommet, Rear Stabilizer Inspection ..... U10293-000 ..... **$11.81**
4) Grommet, Rectangle Inspection Plate ..... U80541-002 ..... **$16.33**
5) Grommet, Wing Pulley Cover ..... U60671-000 ..... **$12.81**

Fairlead Halves and Snap Ring

FAA-PMA APPROVED

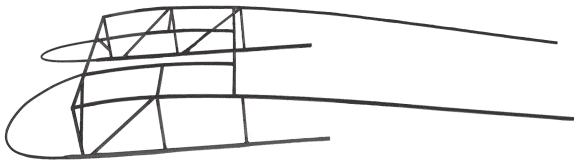
- Fairlead halves are priced and sold individually



A) Long Fairlead Segment, Half ..... U40701-000 ..... **$1.44**
B) Short Fairlead Segment, Half ..... U40071-000 ..... **$1.45**
C) Snap Ring ..... U40081-000 ..... **$0.54**

J-3 Top Deck Superstructure

FAA-PMA APPROVED



J-3 Top Deck Superstructure Assembly ..... U24096-002 ..... **$2,626.68**
J-3 Top Cabin Assembly ..... U10561-005 ..... **$1,842.02**

NOTES

Round Inspection Plates

Original Piper Style, 4.75″ Diameter
U12761-002 ..... **$51.66**
Generic Equivalent, 4.75″ Diameter
483-10 ..... **$2.58**

Fuel System

Description	Part #	Price
Fuel Line, Fuel Valve to Strainer (PA-11)	10729-000	**$76.19**
Fuel Hose Clamp (PA-11)	454-903	**$2.69**
Flexible Primer Hose (J-3)	496-275	**$10.75**
Exhaust Stack Clamp	70591-003	**$39.17**
Fuel Primer Inlet Tube	71242-006	**$75.61**
Fuel Primer Outlet Tube	71242-007	**$54.85**
Fuel Tank Strap (PA-11)	U10649-000	**$108.54**
Fuel Tank Cover (PA-11)	U10657-000	**$446.45**
Fuel Gauge (PA-11)	U10804-000	**$251.49**
Fuel Gauge Elbow (PA-11)	U10834-000	**$143.01**
Wing Fuel Tank Assembly, Left	U10849-000	**$2,527.34**
Fuel Strainer Bowl	U12764-000	**$150.74**
Primer Jet, Straight Type	U31197-000	**$72.82**
Fuel Valve Control Cable Assembly (J-3)	U41471-000	**$386.51**
Engine Primer Pump Assembly	U451-100	**$462.19**
Fuel Cap (PA-11)	U60750-002	**$142.57**
Fuel Hose	U70322-002	**$202.78**
Cable Swivel Fitting, Cabin Heat (J-3)	U70371-000	**$62.65**
Fuel Control Clamp (J-3)	U70771-000	**$64.62**
Fuel Valve Assembly (J-3)	U70781-000	**$220.56**
Flexible Oil Pressure Hose	U71061-000	**$158.13**
Engine Mount (J-3, Continental 65hp)	U71163-000	**$1,319.82**
Gascolator Mounting Bracket	U71991-000	**$94.36**
Fuel Tank Strainer	U72091-000	**$76.36**
Gascolator Nut (PA-11)	U72302-003	**$23.52**
Fuel Line (J-3)	U72432-000	**$163.73**
Nose Cowl Bracket, Right (J-3)	U72571-000	**$119.86**
Gascolator Wire Bail	U750-268	**$47.41**
Fuel Strainer Screen	U750-272	**$3.18**
Gascolator Bowl Seat	U750-273	**$20.84**
Primer Pump Bushing	U80012-065	**$16.29**
Fuel Tank Strap Stud (PA-11)	U80111-000	**$26.52**
Fuel Tank Filler Neck Grommet (J-3)	U80122-048	**$9.61**
Flexible Fuel Hose (PA-11)	U82371-006	**$32.84**
Fuel Tank Outlet Flexible Hose (PA-11)	U82371-010	**$32.33**
Gascolator Gasket	U85012-032	**$4.62**
Gascolator Cover	U87477-002	**$135.42**

Toll Free Sales • 1-888-433-5433
Shop online at www.univair.com

Piper Gascolator

FAA-PMA APPROVED

• Metal bowl with quick drain

Piper Gascolator ..... U14330-002 ..... **$331.37**

Fuel Gauge

FAA-PMA APPROVED

• Applicability: Piper J-3

Fuel Gauge Assembly ..... U71041-000 ..... **$211.93**

Fuel Valve

FAA-PMA APPROVED

• Applicability: Piper J-3

This new valve has a stainless steel ball seated in an inert composite seat. This improved design eliminates the stiff and hard operation.

Fuel Valve Assembly (pictured) ..... U70781-000 ..... **$220.56**
Fuel Valve Control Cable Assembly ..... U41471-000 ..... **$386.51**

Fuel Drain Items

• Applicability: J-3, J-4, PA-15/17 frame fuel tanks with ⅜" NPT drain boss

45° Pipe Elbow ..... AN915-3D **$38.88**
Pipe Thread Reducer Bushing ..... AN912-3D **$9.34**
Drain Valve (-22179-000) ..... CAV-110H-4 ..... **$35.47**
Plastic Tube (3 feet required for AD 85-06-04) ..... 189-543 ..... **$0.95/ft**

12 Gallon Fuel Tank

FAA-PMA APPROVED

• Applicability: Piper J-3

Fuel Tank ..... U70723-000 .. **$1,112.99**

Strap Assemblies

Forward Upper ..... U70462-000 ..... **$212.51**
Forward Lower ..... U70451-003 ..... **$108.54**
Rear Upper ..... U70472-000 ..... **$176.55**
Rear Lower ..... U70451-002 ..... **$72.64**

Fuel Gauge for PA-11

FAA-PMA APPROVED

Fuel Gauge Assembly ..... U10804-000 ..... **$251.49**

Replacement Parts

Fuel Gauge Housing ..... U10837-000 ..... **$137.25**
Fuel Gauge Elbow ..... U10834-000 ..... **$143.01**
Fuel Gauge Bushing ..... U10847-000 ..... **$25.63**
Fuel Gauge Glass Sight Tube ..... U10852-000 ..... **$25.59**
Cork Washer ..... U85012-051 ..... **$6.11**
Float Ball ..... U10853-000 ..... **$8.03**

Landing Gear • Chassis

Description	Part #	Price
Landing Gear Hardware Kit	750-611	**$237.83**
Landing Gear Vee Bushing	80022-026	**$17.02**
Shock Cord Cover, 14" (PA-11)	U10566-000	**$95.70**
Shock Cord Cover End Plate (PA-11)	U10567-000	**$107.01**
Landing Gear Vee, Uncovered, Left (J-3)	U30452-000	**$1,178.31**
Right	U30452-001	**$1,178.31**
Axle Nut	U30491-000	**$85.04**
Long Tailwheel Spring (J-3)	U30512-003	**$69.81**
Tailwheel Spring Attach Clamp	U30531-000	**$34.83**
Tailwheel Spring Top Pad	U30541-002	**$12.55**
Landing Gear Bushing	U80022-063	**$17.51**
Bungee Pulley Housing	U81381-000	**$87.54**
Entry Step Assembly	U81903-002	**$314.07**

Landing Gear Parts

FAA-PMA APPROVED

1) Cabane Vee Assembly

J-3, S/N 8278 and up*, and all PA-11 ..... U30602-006 ..... **$469.38**

* Required on J-3's upgraded to 1220 gross weight

2) Short Shock Strut

J-3, S/N 1 to 8277 ..... U30442-006 ..... **$449.68**
J-3, S/N 8278 and up, and all PA-11 ..... U31392-000 ..... **$629.06**
Leather Bumper ..... U81232-030 ..... **$5.34**

3) Long Shock Strut

J-3, S/N 1 to 8277 ..... U30562-000 ..... **$367.79**
J-3, S/N 8278 and up ..... U31382-000 ..... **$412.73**
PA-11 (10537-000) ..... U10537-002 ..... **$498.26**

4) Shock Strut Assembly

J-3, S/N 8278 and up ..... U31423-000 ..... **$1,199.44**
PA-11 ..... U10536-002 ..... **$1,361.92**

Shock Cords

• Priced and sold individually

J-3, S/N 1 to 8277, Standard ..... U30462-002 ..... **$51.20**
J-3, S/N 8278 and up, Standard ..... U31322-005 ..... **$45.05**
J-3, Cold Weather ..... 1280-CW **$54.09**
J-3, PA-11, Heavy Duty Cold Weather ..... 1280HD-CW **$54.99**
PA-11, Standard ..... U31322-000 ..... **$67.88**
PA-11, Cold Weather ..... 1280-CW **$54.09**

Landing Gear

FAA-PMA APPROVED

Left Gear, Uncovered
U10033-006 ..... **$1,091.20**

Right Gear, Uncovered
U10033-005 ..... **$967.68**

Cub Mask

Fits over the raised letters on the above hub caps and makes the job of painting cleaner and neater. Set of 2.

Cub Mask ..... CUB-MASK..... **$17.45**

Tailwheel Springs

FAA-PMA APPROVED

- Applicability: Piper J-3, PA-11

Complete Set..... J3TWSHR **$210.18**
Tailwheel Spring, Top Leaf..... U30522-000 ..... **$61.97**
Tailwheel Spring, Middle Leaf..... U30512-002 ..... **$82.27**
Tailwheel Spring, Main Leaf..... U30512-004 ..... **$78.66**

Piper Hub Caps

FAA-PMA APPROVED

Primed Steel

- For original 8.00 x 4 Goodrich wheels
- 7.25" diameter
- Stamped cap has "CUB" in raised lettering

Stamped "CUB"..... U31702-000 ..... **$63.01**
Plain..... U31702-002 ..... **$51.66**

Bare Aluminum

- For 6.00 x 6 Cleveland conversion wheels
- 5⅜" diameter
- Stamped cap has "CUB" in raised lettering

Stamped "CUB"..... U1680-00 ..... **$43.30**
Plain..... U1680-02 ..... **$37.47**

Rudder Arm

- Supersedes part numbers 1140 and 750-330
- Applicability: Piper J-3, L-4, NE-1, NE-2, J-4, L-4E, L-4F, PA-11, AE-1, HE-1, PA-12, PA-14, PA-15, PA-16, PA-17, PA-18, L-18C, L-21A, L-21B, PA-19, PA-25

Rudder Arm..... U1140A-000 ..... **$241.37**

Propellers

Univair furnishes a bolt kit with each propeller purchase. Bolt kits can also be purchased separately from our website.

Propeller descriptions below show basic aircraft/engine model applicability. Check manufacturer's websites for exact applicability before purchasing, or contact our sales staff at 1-888-433-5433 and we can research it for you.

Please note that we do not stock all of the propellers listed. Non-stocked propellers require 4-6 months for delivery.

McCauley Aluminum Fixed-Pitch Propellers

J-3C, Continental C-85 ..... CM7138 ..... **CALL**
J-3C, Continental C-85 ..... CM7142 ..... **CALL**
J-3C, PA-11, Continental C-85 ..... CM7144 ..... **CALL**
J-3C, PA-11, Continental C-85, C-90 ..... CM7146 ..... **CALL**
J-3C, Continental C-90 ..... CM7148 ..... **CALL**
PA-11, Continental C-90 ..... CM7149 ..... **CALL**
J-3C, PA-11S, Continental A-65 ..... CM7443 ..... **CALL**
J-3C, PA-11, PA-11S, Continental A-65 ..... CM7445 ..... **CALL**
J-3C, Continental C-75 ..... CM7447 ..... **CALL**
J-3C, Continental C-75 ..... CM7449 ..... **CALL**

Sensenich Aluminum Propellers

J-3C, Continental A-65 ..... 74CK-0-40 ..... **$5,884.50**
PA-11S, Continental A-65 ..... 74CK-0-42 ..... **$5,884.50**
J-3C, PA-11, Continental A-65 ..... 74CK-0-44 ..... **$5,884.50**
J-3C, PA-11, Continental A-65 ..... 74CK-0-46 ..... **$5,884.50**
J-3, Continental A-75, Lycoming O-145 ..... 74CK-2-36 ..... **$5,884.50**
PA-11S, Continental C-90 ..... 76AK-2-40 ..... **CALL**
J-3, Continental C-85 ..... 76AK-2-42 ..... **CALL**

Sensenich Wood Propellers

J3C, PA-11, Continental A-65 ..... W72CK42-SB **$4,030.00**
J-3, Continental C-85 ..... W72GK44-SB **$4,030.00**
J3C, Continental A-75 ..... W70DK-40 ..... **$3,995.00**
J-3, Continental C-75 ..... W70DK-42 ..... **$3,995.00**
J-3, Lycoming O-145 ..... W70LY-34 ..... **$3,995.00**
J-3, Lycoming O-145 ..... W70LY36 ..... **$3,995.00**
J-3C, PA-11, Continental A-65 ..... W72CK42 ..... **$3,995.00**
J-3, PA-11, Continental A-65 ..... W72CK44 ..... **$3,995.00**
J-3, Franklin 4AC ..... W72F44 ..... **$3,995.00**
J-3, Continental C-85 ..... W72GK44 ..... **$3,995.00**
J-3, Continental C-85 ..... W72GK46 ..... **$3,995.00**
J-3, Continental C-90 ..... W72GK48 ..... **$3,995.00**
PA-11, Continental C-90 ..... W72GK52 ..... **$3,995.00**

Propeller Bolt Kits

McCauley Bolt Kit, CM Series Flange Shaft
UB4622-9 ..... **$244.69**
McCauley Bolt Kit, CM Series Taper Shaft
UB4622-42 ..... **$228.57**

Tail Section

Description	Part #	Price
Model 'S' Tail Light Bracket	0400-113	**$38.92**
Stabilizer Wire Clamp	80002-015	**$23.71**
Rudder Attach Hardware Kit	PSK-1	**$47.76**
Elevator Attach Hardware Kit	PSK-2	**$81.63**
Stabilizer Yoke Inspection Grommet	U10292-000	**$14.33**
Rear Stabilizer Inspection Grommet	U10293-000	**$11.81**
Rudder Arm	U1140A-000	**$241.37**
Strobe Light Bracket	U15722-002	**$173.05**
Clevis Washer	U40131-000	**$10.08**
Fin Leading Edge Fairing	U60602-000	**$138.78**
Long Bushing	U80022-044	**$1.40**
Short Bushing	U80022-045	**$1.76**
Rectangle Inspection Plate Grommet	U80541-002	**$16.33**
Stabilizer Rear Liner Tube, 8"	U86062-079	**$107.66**
Stabilizer Liner Tube, 16"	U86062-080	**$142.85**

Vertical Stabilizer

FAA-PMA APPROVED

- Applicability: Piper J-3, J-4, J-5, PA-11, PA-12, PA-14, PA-18
- Uncovered
- Includes bushings

Vertical Fin ..... U40592-000 ..... **$623.71**

Tail Brace Wires

FAA-PMA APPROVED

- Round type to comply with AD 60-01-07
- Stainless steel wires and clevis

Upper Wire Assembly	U10555-002	**$231.11**
Lower Wire Assembly	U10556-002	**$231.11**
Original Installation Kit*	10555-KIT	**$77.34**

* This kit provides the necessary hardware for installing round tail brace wires when replacing streamlined wires.

Top wire clevis

Bottom wire clevis

Square washer

Brass nipple

Upper Tail Brace Wire	U41031-002	**$46.77**
Lower Tail Brace Wire	U41031-003	**$41.14**
Top Wire, Upper Clevis (40521-008)	U61341-003	**$36.88**
Top Wire, Lower Clevis (40521-007)	U61341-002	**$48.85**
Bottom Wire, Upper Clevis (40521-009)	U61341-004	**$53.20**
Bottom Wire, Lower Clevis (40521-010)	U61340-000	**$48.85**
Square Washer	U81102-002	**$6.74**
Brass Tie Rod Nipple	U41051-000	**$33.64**
Plain Hex Nut	AN315-5	**$0.26**
Spacer Bushing	U82732-072	**$7.14**

Elevator Assembly

FAA-PMA APPROVED

- Uncovered
- Includes bushings

95hp ..... U40572-000 ..... **$743.95**

Horizontal Stabilizer

FAA-PMA APPROVED

- Uncovered
- Left or right
- Includes bushings

95hp ..... U40643-000 ..... **$875.23**

Rudder Assembly

FAA-PMA APPROVED

- Made of 4130 steel tube since 1976
- Uncovered

Rudder Assembly ..... U41313-000 ..... **$873.03**

Windows • Windshields

Prices below are for clear windows and windshields only. See our website for prices and availability of Solar Gray and Green tinted versions. Delivery time is 10 to 12 weeks for non-stock items.

Piper J-3

Windshield	10009-000	**$265.82**
Skylight	10056-000	**$131.42**
Left Front Triangle Window	10041-000	**$75.74**
Left Pilot Sliding Window Assembly	U50761-000	**$264.45**
Left Pilot Sliding Window, Glass Only	U50761-002	**$76.13**
Left Rear Window	10046-000	**$114.35**
Right Rear Window	10047-000	**$84.65**
Door Window	10051-000	**$162.61**

Piper PA-11

Windshield	10673-000	**$332.64**
Skylight	10056-000	**$131.42**
Left Front Triangle Window	10041-000	**$75.74**
Sliding Window Assembly	U50761-000	**$264.45**
Sliding Window, Glass Only	U50761-002	**$76.13**
Left Rear Window	10544-000	**$114.35**
Right Rear Window	10545-000	**$64.60**
Door Window	10051-000	**$162.61**

Wings

Description	Part #	Price
Bushing	82732-022	$21.91
Fuel Tank Cover Support Plate (PA-11)	10633-000	$85.80
Front Spar Rear Angle Brace	12692-005	$11.66
Rear Spar Front Angle Brace	12692-006	$12.13
Round Inspection Ring	483-15	$2.04
Butt Fitting Attach Bushing	80022-031	$13.74
Air Speed Tubing Grommet	80122-051	$4.37
Drag Strut 'N' Brace Tube	U10112-007	$102.88
Drag Strut Lock Bolt Plate	U10151-000	$3.40
Drag Wire Fittings		
for #2 and #3 Drag Strut	U10161-004	$17.24
for #4 Drag Strut	U10161-005	$17.24
for #5 Drag Strut	U10171-003	$8.03
for #1 and #2 Drag Strut	U10171-004	$8.03
Tie Rod Clevis	U10221-000	$19.54
Front Spar Butt Hinge Fitting	U10401-000	$50.54
Fabric Former, Left	U10531-000	$73.61
Right	U10531-001	$100.20
Pulley Housing (PA-11)	U10552-000	$76.15
Drag Brace Tube	U10641-000	$131.42
#3 Drag Strut Pulley Bracket (PA-11)	U10644-000	$104.06
Fuel Tank Cover	U10657-000	$446.45
Aileron Hinge Bracket	U10912-006	$117.22
Aileron Hinge Bracket Clamp	U10931-002	$25.27
Flap Return Spring	U10940-000	$37.01
#1 Channel Brace	U12252-002	$14.33
#3 Channel Brace	U12252-003	$18.60
Wing Channel Brace	U12252-004	$14.33
Wing Channel Brace	U12252-005	$14.33
#2 Channel Brace	U12252-008	$16.85
Leading Edge Attach Plate	U12331-002	$6.15
Rear Spar Fitting	U12502-002	$136.03
Rear Spar Fitting	U12502-003	$136.03
Rear Spar Jury Strut Fitting	U12581-000	$23.40
Inspection Hole Plate	U12761-002	$51.66
Rear Spar Butt Fitting (Wood Spar J-3)	U12791-000	$103.79
Front Spar Butt Fitting (Wood Spar J-3)	U12801-000	$93.92
Bracket Assembly, Center Left	U12992-000	$761.67
Center Right	U12992-001	$761.67
Inboard False Spar, Left	U13092-002	$103.97
Right	U13092-003	$99.47
Outboard False Spar, Left	U13092-004	$104.06
Right	U13092-005	$98.57
Aileron False Spar Gusset	U13171-000	$41.32
#2 and #3 Drag Strut Cable Guide Clamp (J-3)	U13481-000	$38.25
Rear Spar Butt Hinge Fitting	U14161-000	$39.95
Rear Spar Lift Strut Fitting Assembly (J-3)	U14182-000	$39.07
Front Spar Lift Strut Fitting Assembly (J-3)	U14192-000	$57.19
#5 Drag Strut	U14222-000	$192.72
#2 and #3 Drag Strut	U14222-002	$185.52
#1 Drag Strut Assembly	U14232-000	$124.74
Pulley Housing on Front Spar	U14261-000	$21.32
Rear Spar Lift Strut Fitting Filler Block	U14271-000	$41.21
Center Aileron Hinge Bracket Attach Angle, Left	U14291-000	$23.54
Right	U14291-001	$23.13
Jury Strut Rear Fitting Attach Angle	U14361-002	$19.43
Jury Strut Front Fitting Attach Angle	U14361-003	$33.98
Jury Strut Rear Fitting and Filler Block	U14371-002	$38.60
Jury Strut Front Fitting and Filler Block	U14371-003	$38.55
Front Spar #1 Strut Reinforcement Angle	U14401-002	$16.29
Front Spar #2 Strut Reinforcement Angle	U14401-003	$26.11
Front Spar #3 Strut Reinforcement Angle	U14401-004	$14.49
Front Spar #5 Strut Reinforcement Angle	U14401-005	$27.08
Rear Spar #2 Strut Reinforcement Angle	U14411-002	$15.05
Rear Spar #3 Strut Reinforcement Angle	U14411-003	$19.06
Rear Spar #5 Strut Reinforcement Angle	U14411-004	$14.05
Lift Strut Front Spar Filler Block (J-3)	U14461-000	$56.02
#1 Drag Strut Fairlead Clamp (J-3)	U14491-000	$71.24
Aileron False Spar Brace	U14541-000	$63.61
Aileron Pulley Attach Angle, Right	U14571-001	$7.07
Aileron Horn Stop	U14581-000	$253.22
Aileron Pulley Inboard ½" Bracket, Left	U14611-000	$16.05
Right	U14611-001	$18.98
Outboard Aileron Pulley Bracket, Left	U14621-000	$46.08
Right	U14621-001	$46.08
Inboard False Spar, Left	U15562-000	$77.73
Right	U15562-001	$77.73
Outboard False Spar, Left	U15572-000	$72.74
Right	U15572-001	$72.74
Inboard Trailing Edge	U15593-000	$118.64
Front Lift Strut Fitting Spacer	U15631-002	$20.01
Rear Lift Strut Fitting Spacer	U15631-003	$20.01
Leading Edge Reinforcement	U15742-000	$50.38
Wing Trailing Edge	U15773-000	$97.99
#3 Drag Strut Cable Guide Bracket	U16201-000	$22.59
Upper 'N' Brace Tube	U16462-000	$144.97
Lower 'N' Brace Tube	U16472-000	$145.48
Front Spar Bow Rear Fitting	U16551-000	$23.50
Front Spar Bow Front Fitting	U16561-000	$17.00
Rear Spar Bow Front Fitting	U16601-000	$17.16
Rear Spar Bow Rear Fitting	U16611-000	$13.13
Pulley Housing	U41291-000	$61.65
Aileron Stop, Wood Spar, Round	U41431-000	$145.26
Cable Fairlead	U42911-000	$14.66
Wooden Wingtip Bow	U453-126	$50.86
Lower Front Fairing (J-3 Friese Type)	U60361-000	$29.44
Lower Rear Wing Fairing (J-3 Friese Type), Left	U60371-000	$71.85
Right	U60371-001	$71.85
Reinforcement Patch	U60481-000	$8.10
Yoke Inspection Cover, Left	U60571-000	$29.46
Right	U60571-001	$29.46

Wing Pulley Cover Cup Grommet ..... U60671-000 ..... **$12.81**
Top Root Fairing (Wood Spar J-3 Friese), Left..... U60711-000 ..... **$101.82**
Right..... U60711-001 ..... **$121.75**
Wing Pulley Fairing Cover Cup..... U60752-000 ..... **$72.51**
Upper Wing Fairing, Left ..... U60772-000 ..... **$74.06**
Right..... U60772-001 ..... **$74.06**
Lower Rear Wing Fairing, Left ..... U60782-000 ..... **$51.20**
Right..... U60782-001 ..... **$48.47**
Metal Wing Root Fairing, Front Bottom Left..... U60792-000 ..... **$67.69**
Wing Root Fairing, Left ..... U60803-000 ..... **$36.16**
Right..... U60803-001 ..... **$36.16**
Wing Butt Rear Fairing..... U60882-000 ..... **$32.60**
Metal Wing Fitting Attach Bushing ..... U80012-016 ..... **$14.71**
Wing Drain Grommet..... U80122-053 ..... **$4.52**
Rectangular Inspection Plate Grommet ..... U80541-002 ..... **$16.33**
Tie Rod Clevis Square Washer..... U81102-003 ..... **$5.05**
Wingtip Grommet..... U81232-015 ..... **$2.43**
Aileron Control Attach Link ..... U81262-036 ..... **$20.28**
Aileron Cable Link ..... U81352-011 ..... **$11.51**
Rectangular Inspection Cover..... U82461-000 ..... **$19.87**
Pulley Bracket Spacer Bushing ..... U82732-024 ..... **$19.37**
Inspection Cover Grommet..... U85012-078 ..... **$9.91**

Ailerons, Uncovered

FAA-PMA APPROVED

- Applicability: Serial numbers 2625 and up

Uncovered Aileron Assembly, Left..... U42585-000 ..... **$1,707.17**
Right..... U42585-001 ..... **$1,707.17**

Metal Wing Spars

FAA-PMA APPROVED

- Not interchangeable with wood spars

Front Spar, Left..... U14383-002 ..... **$1,000.65**
Right..... U14383-003 ..... **$1,000.65**
Rear Spar, Left..... U14453-002 ..... **$819.00**
Right..... U14453-003 ..... **$819.00**

Door Latch Kit

FAA-PMA APPROVED

- Applicability: Piper J-3, J-4, J-5, PA-11, PA-12, PA-15, PA-16, PA-17, PA-18, PA-20, PA-22, PA-25
- Kit includes stud, catch and screws

U52745-000..... **$5.59**

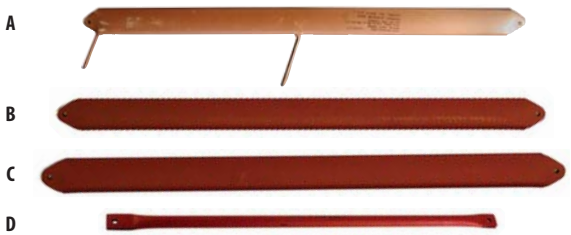
Drag Wires

FAA-PMA APPROVED

J-3 wood spar, 32.75"..... U14941-002 ..... **$58.81**
J-3 metal spar, PA-11, 48.875"..... U14941-004 ..... **$43.22**
J-3 metal spar, PA-11, 49.125"..... U14941-005 ..... **$58.81**
J-3 metal spar, PA-11, 45.19"..... U14941-006 ..... **$33.37**
J-3 metal spar, PA-11, 56.75"..... U14941-007 ..... **$39.25**

Jury Struts

FAA-PMA APPROVED



A) Front Jury Strut, Left (With Pitot Tube)..... U12931-000 ..... **$295.47**
B) Front Jury Strut, Right ..... U12571-002 ..... **$142.82**
C) Rear Jury Strut, Left or Right..... U12571-003 ..... **$142.82**
D) Jury Strut Spacer Tube (J-3)..... U12591-000 ..... **$110.46**
Jury Strut Spacer Tube (PA-11) ..... U12591-002 ..... **$94.76**

Struts and Clamps

FAA-PMA APPROVED

End repetitive AD inspections of your struts and forks with Univair's new sealed and oiled wing struts with ⅝" fork (comply with AD 2015-08-04). Struts include forks.

J-3

Front Lift Strut (complies with AD 2015-08-04)..... U85547-002 ..... **$925.59**
Rear Lift Strut (complies with AD 2015-08-04)..... U85548-002 ..... **$755.94**
Front Jury Strut Clamp ..... U12601-000 ..... **$98.83**
Rear Jury Strut Clamp ..... U12611-000 ..... **$49.62**

PA-11

Front Lift Strut (complies with AD 2015-08-04)..... U85554-002 ..... **$925.59**
Rear Lift Strut (complies with AD 2015-08-04)..... U85555-002 ..... **$820.03**
Front Jury Strut Clamp ..... U10654-000 ..... **$117.52**
Rear Jury Strut Clamp ..... U10656-000 ..... **$39.84**

Lift Strut Forks

FAA-PMA APPROVED

- High strength, heavy duty lift strut forks
- Stainless steel

1) Original Style 7/16" Fork
(Complies With AD 81-25-05)..... U13770-003 ..... **$128.27**
2) New ⅝" Rolled Threads, heavy duty fork for use with sealed struts (complies with AD 2015-08-04; comes with AN316-10 Nut)..... U1600-01 ..... **$188.87**

Aluminum Bearing Block Repair Kit — STC APPROVED

Simple repair for most all fabric-covered Piper. Allows repair of bearing block on flap and aileron hinge, and avoids need to replace bearing blocks. Simple and practical repair. Kit includes bushings, clevis pins, reamer and adhesive.

- STC approved for use on Piper J-3, J-5, PA-11, PA-12, PA-14, PA-15, PA-16, PA-17, PA-18, PA-19, PA-20, PA-22, and PA-25
- Provide aircraft model, registration numbers, and serial number when ordering

Piper Bearing Block Repair Kit ..... STC-SA02128LA **$409.06**

Wing Leading Edge Skins — FAA-PMA APPROVED

- Applicability: Piper J-3 and PA-11 metal spar wings

Inboard LE Skin, Left	PA-11	U10630-000	**$230.41**
Inboard Center LE Skin, Left	PA-11	U10631-000	**$194.79**
Outboard LE Skin, Left or Right	J-3, PA-11	U13072-005	**$90.06**
Inboard LE Skin, Left	J-3	U15472-000	**$231.79**
Right	J-3, PA-11	U15472-001	**$237.04**
Center LE Skin, Left	J-3, PA-11	U15482-000	**$202.22**
Right	J-3, PA-11	U15482-001	**$201.21**
Tip LE Skin, Left	J-3, PA-11	U15723-000	**$315.28**
Right	J-3, PA-11	U15723-001	**$315.28**

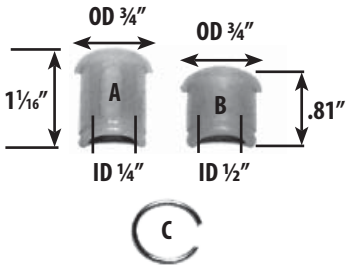
Fairlead Halves and Snap Ring — FAA-PMA APPROVED

- Fairlead halves are priced and sold individually

A) Long Fairlead Segment, Half
U40701-000 ..... **$1.44**

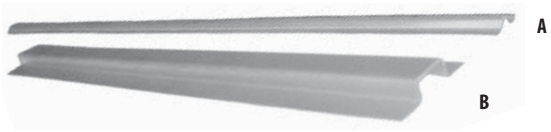
B) Short Fairlead Segment, Half
U40071-000 ..... **$1.45**

C) Fairlead Snap Ring
U40081-000 ..... **$0.54**



Piper Rib Repair Sections — FAA-PMA APPROVED

- Applicable to Piper truss type ribs



A) Rib Diagonal Brace, 18″ length ..... U750-287 ..... **$15.98**
B) Rib Repair Splice, 12″ length ..... U16651-004 ..... **$12.88**

NOTES

PIPER PA-12 • PA-14

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Many parts can be correctly identified by the nomenclature listed in this section. However, we suggest that you also have the correct parts manual for positive identification.

Brake System

Description	Part #	Price
Upper Parking Brake Cable, Galvanized	U40123-024	**$99.21**
Stainless Steel	U40123-024S	**$151.63**
Lower Parking Brake Cable, Galvanized	U40123-025	**$37.02**
Stainless Steel	U40123-025S	**$44.46**
Brake Pedal Outboard Bearing Block	U41521-000	**$111.29**
Brake Pedal Tie Rod	U41581-009	**$87.12**
Brake Pedal Assembly, Left	U41602-000	**$229.86**
Right	U41602-001	**$229.86**
Master Cylinder Diaphragm	U750-384	**$48.31**

Flexible Brake Lines

FAA-PMA APPROVED

Flexible Brake Line, 6"	U71061-002	**$266.50**
Flexible Brake Line, 14.25"	U71061-004	**$242.55**

Cleveland Wheels & Brakes Conversion Kit

Convert from your Goodrich wheels and brakes to the new Cleveland Wheels & Brakes. Uses the 6.00 x 6 tires. FAA 337 or STC approval required for installation. Request STC-SA11RM-1.25 when you purchase this kit and we include it at no charge.

Conversion Kit ..... 199-07100 ..... **$5,795.53**

Installation May Require:

Lines (2 required)	U60703-002	**$79.83**
90° Elbows (2 required) (558-819)	502X4	**$16.24**
90° Elbows (2 required) (460-677)	402X4	**$5.08**
STC, for 1¼" axle*	STC-SA11RM-1.25*	**$145.44**
Stamped Metal "CUB" Hubcaps:		
6.00 x 6 for Cleveland Conversion wheels	U1680-00	**$43.30**
Cub Mask (set of 2)	CUB-MASK	**$17.45**

* Free upon request when you purchase full kit 199-07100

Goodrich Brake Assembly Parts

- Applicability: Pipers with 8.00 x 4 wheels
- While supplies last!

Brake Block (750-033)	B27-59-1	**$80.50**
Spring (750-029)	B21-35	**$12.42**
Shield (750-093)	A72-30	**$32.57**

Master Cylinder

FAA-PMA APPROVED

Detail replacement parts available.
See page 298 for listing.

Left Assembly	U1248A	**$1,493.93**
Right Assembly	U1260A	**$1,493.93**

Master Cylinder Brake Pedal

FAA-PMA APPROVED

Univair has produced a master cylinder brake pedal that can be used on the Scott Master Cylinder on Piper J-3, PA-11, PA-12, and PA-18 aircraft. This pedal has a symmetrical design that replaces the separate left and right brake pedals (P/N 1712 and 1714).

This is a high quality part machined from a single billet of aluminum which eliminates any issues of voids associated with castings.

- Applicability: Piper J-3, PA-11, PA-12, PA-18
- Symmetrical design replaces separate left and right pedals

Master Cylinder Brake Pedal ..... U1715A **$259.58**

Grove 800 x 4 Disk Brake Conversion — STC APPROVED

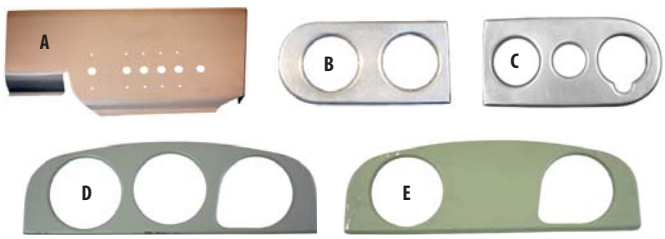
- For Goodrich wheels and brakes only
- Maintain your classic look
- Use your existing wheels, tires, tubes, master cylinder and brake lines
- Easy installation – all parts and special tools included

Grove Brake Conversion Kit ..... 76002 ..... **$1,029.00**

Cockpit • Interior

Description	Part #	Price
Top Instrument Panel Cover	10297-000	**$229.04**
Fuse Terminal Jumper	10438-000	**$17.64**
Insulator Strip	10443-000	**$25.36**
Seat Spring, 14"	487-272	**$42.50**
Seat Spring, 19.5"	487-274	**$74.70**
Front Seat Back Canvas, Black	52552-000	**$97.50**
Rear Seat Sling Canvas, Black	52563-000	**$195.00**
Escutcheon Plate Grommet	80122-054	**$11.59**
Rear Window Trim Strip, Left Upper	U10341-000	**$82.35**
Inside Door Panel	U10386-000	**$328.04**
Throttle Lever Knob, Black	U10911-000	**$13.71**
Battery Cable Insulator Plate	U11422-000	**$49.35**
Jury Strut Eye Bolt	U11601-000	**$62.43**
Fairing Seal	U19795-000	**$29.86**
Front Throttle Arm	U41491-002	**$212.46**
Rear Throttle Arm	U41491-003	**$191.12**
Throttle Lever Connecting Link	U41551-000	**$67.62**
Flap Lever Spring	U50111-000	**$4.22**

Instrument Trim Panels — FAA-PMA APPROVED



A) Switch Panel Cover	U10176-000	**$83.28**
B) Instrument Panel Cover, Left	U10298-000	**$274.13**
C) Instruement Panel Cover, Right	U10299-000	**$274.13**
Throttle Panel Cover (not pictured)	U10382-000	**$311.73**
D) Instrument Panel Top Cover, 3-hole	U10854-000	**$269.22**
E) Instrument Panel Top Cover, 2-hole	U10854-002	**$269.22**

PA-12 Throttle Control Cable — FAA-PMA APPROVED

- Applicability: Piper PA-12 with electrical system
- Supersedes part numbers 12694-002, 41541-00, 41541-02

Throttle Control Cable, 61.25" ..... U12694-002 ..... **$654.45**

Blank Instrument Panel and Top Cover — FAA-PMA APPROVED

- Applicability: Piper PA-12
- Includes both blank panel and top cover (not sold separately)

Blank Instrument Panel (A) and Top Cover (B) ..... CSI-1017 ..... **$140.20**

Control System

Description	Part #	Price
Upper Tail Brace Fitting	U10075-003	**$37.32**
Lower Tail Brace Fitting	U10075-004	**$39.21**
Aileron Trailing Edge, Inboard	U10528-002	**$98.93**
Aileron Trailing Edge, Outboard	U10528-004	**$94.70**
Tail Brace Upper Wire Assembly	U10555-002	**$231.11**
Tail Brace Lower Wire Assembly	U10556-002	**$231.11**
Control Knob, Black	U10911-000	**$13.71**
Fairlead 'U' Bracket	U11151-000	**$9.88**
Rudder Arm	U1140A-000	**$241.37**
Outboard Leading Edge Cover, Left	U11683-002	**$42.50**
Right	U11683-003	**$69.17**
Inboard Leading Edge Cover, Left	U11683-004	**$49.91**
Right	U11683-005	**$72.27**
Flap Trailing Edge	U11684-000	**$58.63**
Flap Assembly, Uncovered, Left	U11686-000	**$1,527.16**
Right	U11686-001	**$1,527.16**
Stabilizer Tube Yoke Link	U14180-002	**$343.50**
Rudder Pedal Fitting, Front	U24121-002	**$9.08**
Rudder Pedal Fitting, Rear	U24121-003	**$9.08**
Aileron Bellcrank, Left	U40092-000	**$377.67**
Right	U40092-001	**$377.67**
Control Stick	U40231-000	**$137.59**
Aileron Spar	U40301-004	**$78.48**
Aileron/Flap Rib	U40321-002	**$18.69**
Aileron/Flap Rib	U40321-003	**$28.57**
Aileron Bulkhead, Flange Facing Left	U40391-002	**$23.67**
Flange Facing Right	U40391-003	**$20.32**
Outboard Leading Edge Cover	U40401-002	**$61.57**
Center Outboard Leading Edge Cover, Right	U40401-003	**$65.45**
Left	U40401-006	**$46.77**
Center Inboard Leading Edge Cover, Right	U40401-007	**$79.39**
Left	U40401-004	**$61.57**
Inboard Leading Edge Cover, Right	U40401-005	**$45.21**
Left	U40401-008	**$46.77**
Tube Aileron Tip	U40421-002	**$74.49**
Aileron Bulkhead, Flange Facing Left	U40451-002	**$12.01**
Flange Facing Right	U40451-003	**$12.01**
Elevator Assembly, Uncovered, Left or Right	U40572-000	**$743.95**
Inboard Aileron Brace, Left	U40581-002	**$16.30**

Outboard Aileron Brace, Right ..... U40581-003 ..... **$20.95**
Vertical Stabilizer, Uncovered ..... U40592-000 ..... **$623.71**
Rudder Assembly, Uncovered ..... U40622-000 ..... **$915.52**
Horizontal Stabilizer, Uncovered, Left or Right ..... U40643-000 ..... **$875.23**
Elevator Bellcrank Assembly ..... U40663-004 ..... **$905.74**
Rudder Pedal, Left ..... U40842-004 ..... **$216.75**
Right ..... U40842-005 ..... **$216.75**
Upper Tail Brace Wire ..... U41031-002 ..... **$46.77**
Lower Tail Brace Wire ..... U41031-003 ..... **$41.14**
Stabilizer Adjust Crank ..... U41111-000 ..... **$139.81**
Stabilizer Indicator ..... U41121-000 ..... **$38.27**
Escutcheon Spring ..... U41151-000 ..... **$10.63**
Torque Tube Bearing Shim ..... U41371-005 ..... **$13.14**
Stabilizer Screw Pulley Key ..... U41631-000 ..... **$20.01**
Aileron Hinge, Inboard or Outboard ..... U41881-000 ..... **$91.18**
Outboard Flap Hinge ..... U41881-002 ..... **$122.96**
Aileron Center Hinge ..... U42441-000 ..... **$248.86**
Aileron Assembly, Left ..... U42555-000 ..... **$3,064.36**
Right ..... U42555-001 ..... **$3,064.36**
Stabilizer Indicator Wire ..... U42664-003 ..... **$28.88**
Aileron Tip Rib ..... U42872-000 ..... **$23.31**
Elevator Bellcrank Shim ..... U42941-000 ..... **$16.68**
Rod End Bearing ..... U452-335 ..... **$51.72**
Flap Lever Spring ..... U50111-000 ..... **$4.22**
Fin Leading Edge Fairing ..... U60602-000 ..... **$138.78**
Stabilizer Screw Pulley Washer ..... U81342-005 ..... **$10.26**
Bungee Pulley Housing ..... U81381-000 ..... **$87.54**
Bungee Control Cable Spring ..... U81411-002 ..... **$44.58**

Yoke and Adjust Screw

FAA-PMA APPROVED

Stabilizer Adjust Yoke ..... U42692-000 ..... **$318.63**
Stabilizer Adjust Screw ..... U42961-102 ..... **$128.23**

Control Cables

FAA-PMA APPROVED

Description	Part #	Price
Rudder, Long, 182 13/16", Galvanized	U40123-002	$230.55
Stainless	U40123-002S	$215.76
Rudder, Short, 25 9/16", Galvanized	U40123-007	$160.05
Stainless	U40123-007S	$206.73
Aileron, In Wing, 98 1/2", Galvanized	U40123-018	$121.66
Stainless	U40123-018S	$162.78
Aileron, Control to Stick, 90 1/8", Galvanized	U40123-021	$159.73
Stainless	U40123-021S	$204.04
Elevator, to Upper Horn, 133 5/8", Galvanized	U40123-022	$173.19
Stainless	U40123-022S	$172.95
Elevator, to Lower Horn, 131 3/4", Galvanized	U40123-023	$123.35
Stainless	U40123-023S	$147.89
Upper Parking Brake Cable, 31 1/16", Galvanized	U40123-024	$99.21
Stainless	U40123-024S	$151.63
Lower Parking Brake Cable, 35.0", Galvanized	U40123-025	$37.02
Stainless	U40123-025S	$44.46
Bungee Control, 20 5/16", Galvanized	U40123-035	$96.77
Stainless	U40123-035S	$116.11
Upper Parking Brake, 31 1/16", Galvanized	U40123-024	$99.21
Stainless	U40123-035S	$116.11
Lower Parking Brake, 35.0", Galvanized	U40123-025	$37.02
Stainless	U40123-025S	$44.46
Aileron Balance Cable, 107.0", Galvanized, Left	U40123-053	$143.64
Right	U40123-054	$147.71
Aileron Cable, 103 1/2", Galvanized	U40123-055	$141.25
Flap Cable, 8 1/2", Galvanized	U40123-065	$134.02
Stabilizer Adjust Cable, 309 3/8", Galvanized	U41671-005	$364.58
Stainless	41671-006	$357.70
Stabilizer Adjust Cable, 326 5/8", Galvanized	U41671-009	$338.18
Stabilizer Adjust Cable, 315 3/16", Galvanized	U41671-012	$339.96
Piper Special Length Fork	U461-132	$57.35

Liner Tubes

FAA-PMA APPROVED

Stabilizer Yoke Link Liner Tube, 16" (80132-011)
U86062-080 ..... **$142.85**

Stabilizer Rear Liner Tube, 8" (80132-010)
U86062-079 ..... **$107.66**

Piper Pulleys

FAA-PMA APPROVED

Description	O.D.	I.D.	Part #	Price
1) Pulley (Fiber)	2 3/4"	5/16"	U41001-008	$77.99
2) Pulley (Fiber)	1 3/4"	1/4"	U80421-000	$13.64
3) Pulley (Fiber)	1 1/2"	1/4"	U481-609	$13.13
4) Pulley (Fiber)	1"	1/4"	U43001-000	$20.04
5) Pulley (Aluminum)	2 3/4"	3/8"	U43061-000	$132.70
6) Pulley (Aluminum)	2 3/4"	3/8"	U10080-000	$175.78
7) Pulley (Aluminum)	4"	3/8"	U11008-000	$206.07

NOTES

Concorde Batteries

- Applicability: Piper PA-12
- Valve regulated sealed lead acid batteries

12 Volt, 22 Amp Hour	RG-25	**$368.00**
12 Volt, 24 Amp Hour, Extra Capacity	RG-25XC	**$429.00**
12 Volt, 29 Amp Hour	RG-35A	**$479.00**
12 Volt, 33 Amp Hour, Extra Capacity	RG-35AXC	**$512.00**

Fairlead Halves and Snap Ring

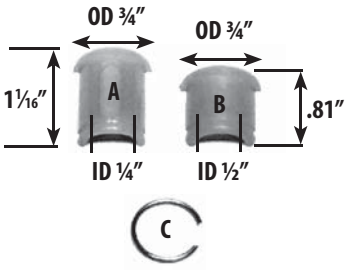
FAA-PMA APPROVED

- Fairlead halves are priced and sold individually

A) Long Fairlead Segment, Half
U40701-000 ..... **$1.44**

B) Short Fairlead Segment, Half
U40071-000 ..... **$1.45**

C) Snap Ring
U40081-000 ..... **$0.54**



Push-Pull Control Cable

- 65″ long
- Stainless steel
- Knob not included
- Used for mixture, cabin heat, carb heat and other applications

U16775-000 ..... **$102.38**

Electrical System

For strobes, switches, and other related items, see **Lighting • Electrical System** section beginning on page 199.

Description	Part #	Price
Single Wire Assembly, 2.5″	10128-021	**$1.61**
Fuse Terminal Jumper	10438-000	**$17.64**
Solenoid Fuse Block Insulator	10443-000	**$25.36**
Circuit Breaker Jumper	11390-000	**$2.13**
Fuse Block Assembly	11718-000	**$67.94**
Battery Box Cover	12045-000	**$166.54**
Insulator Sleeve	90797-002	**$2.52**
Insulator Sleeve	90797-010	**$4.01**
Navigation Light Wire	U10128-028	**$39.21**
Battery Access Door	U10275-000	**$321.79**
Battery Access Door Frame	U10276-000	**$464.88**
Navigation Light Wire Clip	U11061-000	**$8.53**

Engine • Cowling

Description	Part #	Price
Front Baffle Bracket, Left	10173-000	**$18.27**
Rear Baffle Support Bracket	10175-000	**$72.91**
Front Baffle Hanger Support	10415-002	**$37.78**
Intercylinder Baffle Hanger Support	10415-003	**$42.72**
Engine Baffle Tie Rod	71451-004	**$29.65**
Carburetor Gasket	73451-003	**$11.01**
Intercylinder Engine Baffle, Inner	74912-000	**$49.44**
Muffler Shroud Clip	U10430-000	**$78.53**
Round Clamp	U10466-005	**$22.86**
Tie Rod	U10487-000	**$21.56**
Cowl Mounting Channel, Left	U10694-000	**$223.56**
Right	U10694-001	**$223.56**
Cowl Mounting Bracket	U10695-000	**$128.12**
Exhaust Tailpipe	U10863-000	**$249.27**
Nose Cowl Support Brace	U11410-000	**$122.14**
Throttle Control Cable	U12694-002	**$654.45**
Primer Jet	U31197-000	**$72.82**
Front Throttle Arm	U41491-002	**$212.46**
Rear Throttle Arm	U41491-003	**$191.12**
Throttle Lever Connecting Link	U41551-000	**$67.62**
Muffler Clamp	U70591-002	**$38.16**
Tailpipe Support Rod Clamp	U80002-028	**$28.56**
Muffler Support Rod Washer	U80122-020	**$7.39**

Shielded Ignition Leads

FAA-PMA APPROVED

101 series, 7 mm, fits all engines with S4 and S6 Bendix series or Slick Magnetos that have the threaded back plate. For additional details on ignition leads, see page 188.

Engine Mount

FAA-PMA APPROVED

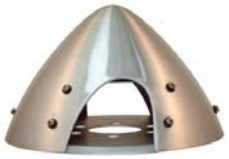
- Applicability: PA-12, PA-14

Engine Mount ..... U10070-000 ..... **$1,418.49**

Spinner

FAA-PMA APPROVED

- Applicability: Piper PA-12 with O-235 or O-290 engines with AM series Sensenich propellers



Spinner Dome	U13661-000	**$438.10**
Front Plate	U13664-000	**$187.65**
Back Plate	U13663-000	**$202.29**
Complete Assembly	U13661-A	**$769.18**

PA-12 180HP Modification

For installation of the Lycoming O-360-A2A engine in the PA-12 (STC-SA02267AK), see page 143 for details.

Flexible Oil Pressure Hose

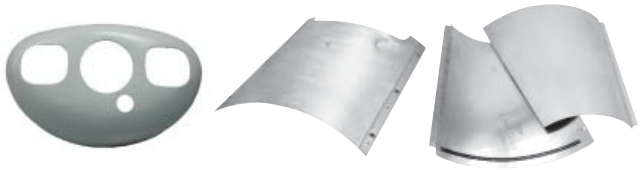
FAA-PMA APPROVED

- Length: 6"
- Hose Material: MIL-H-5593-4

U71061-000 ..... **$158.13**

All-Aluminum Cowling

FAA-PMA APPROVED



PA-12/14 Nose Cowl	U10189-000	**$2,131.65**
PA-12 Bottom Cowl	U10698-000	**$384.95**
PA-12 Top Cowl	U10699-000	**$230.99**
PA-12 Fuselage Cowl*	U10691-000	**$1,868.23**
PA-12 Left Side Cowl	U10701-000	**$606.28**
PA-12 Right Side Cowl	U10701-001	**$642.03**

* Shipped via motor freight; crate cost CR-BC312 will be added to shipping costs

Can't find the part you need?
Be sure to give us a call. Our knowledgeable salespeople are here to help with all of your classic aircraft needs.

Call 1-888-433-5433
Monday-Friday • 7:30 a.m. to 4:30 p.m. MT

Tachometer Cables

FAA-PMA APPROVED

PA-12, Non-Recording, 35"	TACH-35NR	**$169.79**
PA-12, PA-14, Non-Recording, 34"	U1713-N340	**$175.30**
PA-12, PA-14, Recording, 32.5"	U1713-R325	**$175.30**
PA-12, Recording, 35"	U1713-R350	**$175.30**
PA-12, Non-Recording, 33"	TACH-33NR	**$169.79**
PA-12, Recording, 34"	TACH-34	**$169.79**

PA-12/14 Muffler

FAA-PMA APPROVED

- Includes U452-093 muffler wire bail
- Shroud sold separately

Muffler Assembly
U10308-003 ..... **$2,343.00**

Muffler Shroud (PA-12)
U10431-000 ..... **$698.24**

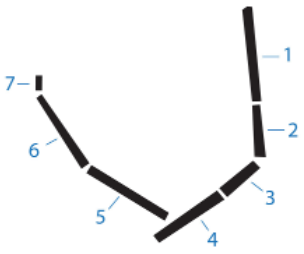
Frame

Description	Part #	Price
Frame Side Fairing Panel, Right	11450-000	**$46.64**
Upper Engine Mount Fitting	20291-000	**$206.58**
Lower Engine Mount Fitting	20301-000	**$191.47**
Lower Stabilizer Screw Bearing	80022-020	**$13.90**
Fiber Washer	80122-043	**$4.98**
Tail Tie Rod Attach Fitting	80292-015	**$20.41**
Tailwheel Spring Fitting	L1027-02	**$49.14**
Battery Access Door	U10275-000	**$321.79**
Battery Box Door Frame	U10276-000	**$464.88**
Inspection Plate	U12761-002	**$51.66**
Generic Inspection Plate	483-10	**$2.58**
Stringer Attach Clip	U20391-000	**$3.84**
Tailwheel Spring 'U' Attach Fitting	U20631-000	**$48.16**
Landing Gear Front Fitting Assembly, Left	U21242-002	**$244.83**
Right	U21242-003	**$244.83**
Landing Gear Fitting, Left	U21262-002	**$282.73**
Right	U21262-003	**$294.05**
Tail Post Assembly	U22412-000	**$194.44**
Rudder Pedal Fitting, Front	U24121-002	**$9.08**
Rudder Pedal Fitting, Rear	U24121-003	**$9.08**
Short Fairlead Segment, Half	U40071-000	**$1.45**
Fairlead Snap Ring	U40081-000	**$0.54**
Door Latch Kit	U52745-000	**$5.59**
Yoke Inspection Cover, Left	U60571-000	**$29.46**
Right	U60571-001	**$29.46**
Tail Inspection Plate, Left	U60742-000	**$42.37**
Right	U60742-001	**$42.37**
Clamp	U80002-002	**$37.83**
Clamp	U80002-012	**$24.99**
Rectangular Inspection Cover	U82461-000	**$19.87**

PA-12 Door Channel Kit

FAA-PMA APPROVED

Can be purchased as a kit or individually. Pre-formed 4130 steel channels to replace door channels covered by Piper Service Bulletin 819.



Kit ..... 819-12 ..... **$446.29**

Individual Channels
FAA 337 approval required for installation

1) Blank Channel	819-12-11	**$58.25**
2) Blank Channel	819-12-12	**$59.48**
3) Blank Channel	819-12-13	**$62.27**
4) Blank Channel	819-12-14	**$61.53**
5) Blank Channel	819-12-15	**$64.20**
6) Blank Channel	819-12-16	**$56.96**
7) Blank Channel	819-12-17	**$21.01**

Shop Online: www.univair.com

Piper PA-12/PA-14 Grommets

1) Stabilizer Yoke Inspection Grommet ..... U10292-000 ..... **$14.33**
2) Wing Root Reinforcing Grommet ..... 80122-051 ..... **$4.37**
Wing Drain Grommet ..... U80122-053 ..... **$4.52**
Inspection Plate Grommet (Generic Version) ..... 483-15 ..... **$2.04**
3) Rear Stabilizer Inspection Grommet ..... U10293-000 ..... **$11.81**
4) Rectangle Inspection Plate Grommet ..... U80541-002 ..... **$16.33**
5) Wing Pulley Cover Grommet ..... U60671-000 ..... **$12.81**

Steel 'U' Channels

- Sold in 6 foot lengths
- Oversize fees apply when shipping this product

¼" x ¼" Channel (750-284) ..... X141472 ..... **$8.26**
⅜" x ⅜" Channel, 24 gauge ..... U750-285 ..... **$12.87**
⅜" x ⅜" Channel, 20 gauge ..... U750-285HD **$13.65**
½" x ½" Channel ..... X121272 ..... **$34.09**
¾" x ½" Channel ..... X341272 ..... **$33.29**
⅝" x ½" Channel ..... X581272 ..... **$33.85**

Fuel System

Description	Part #	Price
Primer Inlet Line	10143-009	**$123.88**
Long Primer Line	10143-020	**$39.68**
Short Primer Line	10143-061	**$35.15**
Primer Outlet Line	10143-063	**$71.25**
Primer Inlet Line	10143-065	**$116.97**
Tank Strap Fitting	10520-000	**$72.61**
Header Tank Felt Strip, 1/16" x ½" x 30"	180-497	**$8.25**
Fuel Shut-Off Valve Link	81262-035	**$31.17**
Fuel Tank Cover, Left	U10118-000	**$759.64**
Right	U10118-001	**$759.64**
Fuel Sight Tube End Plug	U10676-004	**$32.25**
Fuel Sight Gauge Washer, No Hole	U10676-008	**$4.20**
Fuel Gauge Access Plate	U10878-000	**$21.03**
Fuel Strainer Bowl, EZ Drain Type	U12764-000	**$150.74**
Primer Jet	U31197-000	**$72.82**
Gascolator Wire Bail	U494-644	**$78.39**
Fuel Tank Cap	U60750-002	**$142.57**
Flexible Fuel Hose	U70322-012	**$202.78**
Gascolator Mounting Bracket	U71991-000	**$94.36**
Gascolator Nut	U72302-003	**$23.52**
Gascolator Wire Bail	U750-268	**$47.41**
Fuel Strainer Screen	U750-272	**$3.18**
Gascolator Bowl Seat	U750-273	**$20.84**
Control Cable Clamp	U80032-034	**$30.12**
Flexible Fuel Line Hose	U82371-004	**$21.65**
Gascolator Gasket	U85012-032	**$4.62**
Cork Washer For Fuel Gauge	U85012-051	**$6.11**
Gascolator Cover	U87477-002	**$135.42**

Wing Fuel Drain Valve

FAA-PMA APPROVED

This flush fuel drain valve is designed to be practical, functional, and inexpensive. The head of the valve does not extend beyond the wing to catch the door of your airplane or to hit your head as you walk beneath it. Fuel is only released when you want it to be with the use of our F391 fuel sampler cup, not all over your arm or in your eyes on a windy day.

Wing Fuel Drain Valve ..... F391-14 ..... **$69.05**
Flush Fuel Sampler Cup ..... F391-CUP **$13.05**

Fuel Cap Gasket

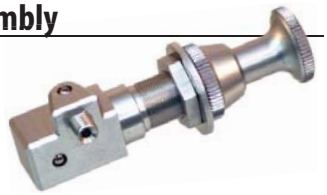
FAA-PMA APPROVED

- Outside diameter: 2.175"
- Inside diameter: 1.385"

U60750-006 ..... **$2.16**

Engine Primer Pump Assembly

FAA-PMA APPROVED



U451-100 ..... **$462.19**

Fuel Gauge

FAA-PMA APPROVED

Fuel Gauge Assembly (Excludes Float) ..... U10676-007 ..... **$300.91**
Fuel Gauge Housing Only ..... U10676-012 ..... **$184.35**
Glass Sight Tube ..... U10852-000 ..... **$25.59**
Ball Float ..... U10853-000 ..... **$8.03**

Complete Piper Gascolator

FAA-PMA APPROVED

- Metal bowl with quick drain

Piper Gascolator ..... U14330-002 ..... **$331.37**

Landing Gear • Chassis

Description	Part #	Price
Anchor Pin (750-006)	A20-54	**$23.76**
Wheel and Drum Assembly (451-760)	UD3-13A-1	**$2,089.56**
Felt Retainer (750-010)	UA56-4	**$10.19**
Side Lock Ring (750-025)	UA85-118	**$24.26**
Lock Ring (750-026)	UA85-218	**$36.40**
Goodrich Side Rim (750-028)	B11-5	**$66.40**
Bearing Cone (750-063)	08125	**$49.98**
Bearing Cup (750-064)	08231	**$31.18**
Felt Grease Retainer (750-065)	UB227-52	**$1.76**
Rudder Arm (750-330)	U1140A-000	**$241.37**
Tailwheel Bronze Bushing (750-722)	U1800A	**$91.48**
Tailwheel Arm Assembly (750-744)	U1709A-000	**$574.37**
Grease Retainer (750-749)	U1863A-000	**$10.77**
Tailwheel Hub Kit (750-752)	U1967A-000	**$574.36**
Spring Connector Assembly (750-753)	U2151A-000	**$89.10**
Landing Gear Vee Outer Fairing Assembly, Left	U10283-000	**$513.07**
Right	U10283-001	**$513.07**
Landing Gear Fairing Support Bracket	10690-000	**$106.21**
Axle Nut, 1.25"	U30491-000	**$85.04**
Tailwheel Spring Attach Clamp	U30531-000	**$34.83**
Landing Gear Bushing	U80022-063	**$17.51**
Attach Washer	U80122-041	**$14.72**
Entry Step, PA-12	U81903-002	**$314.07**
Entry Step, PA-14	U81903-003	**$338.84**

Bushwheel 3200 Tailwheel

The 3200 series is a lightweight 8" tailwheel assembly designed to provide positive steering control far beyond rudder travel, and to release easily and automatically to full swivel when aircraft is turned around. The swivel mechanism is sealed to keep out water, sand and mud. Grease fittings are provided for lubrication. Precision components provide years of trouble-free service under severe operating conditions. Pneumatic assembly.

3200 Series Tailwheel ..... ABI-3200 ..... **$1,900.00**

Landing Gear

FAA-PMA APPROVED

- Include aircraft serial number when ordering
- PA-12 landing gears have strap brace on gear
- PA-14 landing gears have streamlined tube brace and may be used on the PA-12

PA-12 Gear, Uncovered, Left ..... U10028-000 ..... **$1,878.84**
Right ..... U10028-001 ..... **$1,878.84**
PA-14 Gear, Uncovered, Left ..... U11353-000A **$2,019.42**
Right ..... U11353-001A **$2,019.42**

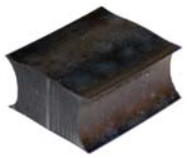
Shock Cords

- Applicability: Piper PA-12, PA-14
- Priced and sold individually

Standard ..... U31322-000 ..... **$67.88**
Cold Weather ..... 1280-CW **$54.09**
Heavy Duty Cold Weather ..... 1280HD-CW **$54.99**

PA-12 Landing Gear Rubber Bumper Block

FAA-PMA APPROVED



- Dimensions: 2" x 1.75" x 1"

Rubber Bumper Block ..... U30831-000 ..... **$18.82**

Piper Hub Caps

FAA-PMA APPROVED

Primed Steel

- For original 8.00 x 4 Goodrich wheels
- 7.25" diameter
- Stamped cap has "CUB" in raised lettering

Stamped "CUB" ..... U31702-000 ..... **$63.01**
Plain ..... U31702-002 ..... **$51.66**

Bare Aluminum

- For 6.00 x 6 Cleveland conversion wheels
- 5⅜" diameter
- Stamped cap has "CUB" in raised lettering

Stamped "CUB" ..... U1680-00 ..... **$43.30**
Plain ..... U1680-02 ..... **$37.47**

Cub Mask

Fits over the raised letters on the above hub caps and makes the job of painting cleaner and neater. Set of 2.

Cub Mask ..... CUB-MASK **$17.45**

Tailwheel Springs

FAA-PMA APPROVED

Complete Spring Sets

for Pneumatic Tailwheel ..... PA12TWSPNEU **$207.68**
for Hard Rubber Tailwheel ..... J3TWSHR **$210.18**

Individual Springs for Pneumatic Tailwheel

Tailwheel Leaf Spring, Top ..... U10999-002 ..... **$56.83**
Tailwheel Leaf Spring, Middle ..... U10999-003 ..... **$81.67**
Tailwheel Leaf Spring, Bottom ..... U10999-005 ..... **$81.44**

Individual Springs for Hard Rubber Tailwheel

Tailwheel Leaf Spring, Top ..... U30522-000 ..... **$61.97**
Tailwheel Leaf Spring, Middle ..... U30512-002 ..... **$82.27**
Tailwheel Leaf Spring, Bottom ..... U30512-004 ..... **$78.66**

Propellers

Univair furnishes a bolt kit with each propeller purchase. Bolt kits can also be purchased separately from our website.

Propeller descriptions below show basic aircraft/engine model applicability. Check manufacturer's websites for exact applicability before purchasing, or contact our sales staff at 1-888-433-5433 and we can research it for you.

Please note that we do not stock all of the propellers listed. Non-stocked propellers require 4-6 months for delivery.

McCauley Aluminum Fixed-Pitch Propellers

PA-12, Lycoming O-235	ALM7246	**CALL**
PA-12, PA-14, Lycoming O-290, O-320	GM8241	**CALL**
PA-12, PA-14, Lycoming O-320	GM8242	**CALL**
PA-12, PA-14, Lycoming O-320	GM8243	**CALL**
PA-12, PA-14, Lycoming O-320	GM8244	**CALL**
PA-12 (STC SA279AL)	GM8245	**CALL**

Sensenich Aluminum Propellers

PA-12, Lycoming O-235	76AM6-2-44	**$5,800.50**
PA-12, PA-14, Lycoming O-235	76AM6-2-48	**$5,880.50**

Tail Section

Description	Part #	Price
Elevator Assembly, Uncovered, Left or Right	U40572-000	**$743.95**
Rudder Assembly, Uncovered	U40622-000	**$915.52**
Horizontal Stabilizer, Uncovered, Left or Right	U40643-000	**$875.23**
Rudder Attach Hardware Kit	PSK-1	**$47.76**
Elevator Attach Hardware Kit	PSK-2	**$81.63**
Tail Brace Fitting	U10075-002	**$37.32**
Upper Tail Brace Fitting	U10075-003	**$37.32**
Lower Tail Brace Fitting	U10075-004	**$39.21**
Stabilizer Yoke Inspection Grommet	U10292-000	**$14.33**
Rear Stabilizer Inspection Grommet	U10293-000	**$11.81**
Rudder Arm Assembly	U1140A-000	**$241.37**
Rudder Bracket	U12651-000	**$58.75**
Upper Tail Brace Wire	U41031-002	**$46.77**
Lower Tail Brace Wire	U41031-003	**$41.14**
Fin Leading Edge Fairing	U60602-000	**$138.78**
Long Bushing	U80022-044	**$1.40**
Short Bushing	U80022-045	**$1.76**
Rectangle Inspection Plate Grommet	U80541-002	**$16.33**
Stabilizer Rear Liner Tube, 8"	U86062-079	**$107.66**
Stabilizer Yoke Link Liner Tube, 16"	U86062-080	**$142.85**

Vertical Stabilizer

FAA-PMA APPROVED

- Applicability: Piper J-3, J-4, J-5, PA-11, PA-12, PA-14, PA-18
- 4130 steel tubing
- Uncovered
- Includes bushings

Vertical Fin ..... U40592-000 ..... **$623.71**

Tail Brace Wires

FAA-PMA APPROVED

- Round type to comply with AD 60-01-07
- Stainless steel wires and clevis

Upper Wire Assembly	U10555-002	**$231.11**
Lower Wire Assembly	U10556-002	**$231.11**
Tail Brace Wire Installation Kit*	10555-KIT	**$77.34**

*For installing round wires

Top wire clevis *Bottom wire clevis* *Square washer* *Brass nipple*

Top Wire, Upper Clevis (40521-008)	U61341-003	**$36.88**
Top Wire, Lower Clevis (40521-007)	U61341-002	**$48.85**
Bottom Wire, Upper Clevis (40521-009)	U61341-004	**$53.20**
Bottom Wire, Lower Clevis (40521-010)	U61340-000	**$48.85**
Square Washer	U81102-002	**$6.74**
Brass Tie Rod Nipple	U41051-000	**$33.64**
Plain Hex Nut	AN315-5	**$0.26**
Clevis Bushing	U82732-072	**$7.14**

Windows • Windshields

Prices below are for clear windows and windshields only. See our website for prices and availability of Solar Gray and Green tinted versions. Delivery time is 10 to 12 weeks for non-stock items.

Piper PA-12

Windshield, Early Round Type	10212-000	**$432.14**
Windshield, Late Square Type	10680-000	**$484.11**
Left Rear Window	10220-000	**$121.77**
Right Rear Window	10229-000	**$127.71**
Front Left Sliding Window	10331-000	**$153.70**
Door Window	10593-000	**$99.50**
Windshield, Square Top	10680-000	**$484.11**

Piper PA-14

Windshield	11174-000	**$512.33**
Window	10893-000	**$83.49**

Wings

Description	Part #	Price
Rear Spar Fuel Tank Support, Left	10115-000	$161.66
Right	10115-001	$173.96
Strut Cuff Bracket, Left	10223-000	$97.63
Right	10223-001	$47.69
Strut Cuff Bracket, Left	10224-000	$152.30
Right	10224-001	$58.75
Front Spar Angle, Left	10241-000	$28.61
Right	10241-001	$28.61
Front Spar Angle	10281-000	$11.67
Front Spar Angle	10301-000	$28.97
Rear Spar Angle	10311-000	$33.01
Fuel Tank Strap	10519-002	$98.06
Bellcrank Screw	12713-004	$2.92
Leading Edge Wing Root Fairing, Left	60681-000	$57.32
Right	60681-001	$57.32
Spar Butt Hinge Bushing	80022-031	$13.74
Wing Root Reinforcing Grommet	80122-051	$4.37
Drag Strut 'N' Brace Tube	U10112-007	$102.88
Inboard Leading Edge Skin, Left	U10116-002	$138.47
Right	U10116-003	$147.05
Center Leading Edge Skin, Left	U10116-004	$176.21
Right	U10116-005	$166.81
Outboard Leading Edge Skin, Left	U10116-006	$153.55
Right	U10116-007	$137.42
Wing Trailing Edge, Inboard	U10117-000	$142.30
Fuel Tank Cover, Left	U10118-000	$759.64
Right	U10118-001	$759.64
Inboard Leading Edge 'U' Channel	U10123-000	$158.94
Rear Jury Strut Clamp, Left	U10124-000	$217.97
Right	U10124-001	$211.67
Front Jury Strut Clamp, Left	U10125-000	$148.30
Right	U10125-001	$186.09
Jury Strut, Left	U10126-000	$749.03
Right	U10126-002	$450.48
Drag Strut Lock Bolt Plate	U10151-000	$3.40
Jury Strut Brace Tube	U10203-000	$145.75
Lift Strut Fairing, Left	U10217-000	$184.49
Right	U10217-001	$184.49
Tie Rod Clevis	U10221-000	$19.54
Upper Front Strut Cuff, Left	U10225-000	$121.45
Right	U10225-001	$121.45
Upper Rear Strut Cuff, Left	U10226-000	$117.71
Right	U10226-001	$117.71
Rear Spar Butt Hinge Fitting	U10391-000	$64.70
Front Spar Butt Hinge Fitting	U10401-000	$50.54
Lift Strut Front Filler Block	U10451-000	$84.00
Lift Strut Rear Spar Fitting	U10522-000	$132.51
Lift Strut Front Spar Fitting	U10532-000	$146.95
Rear Jury Strut Clamp	U10656-000	$39.84
Flap Hinge Bracket	U10703-003	$146.86
Flap Hinge Bracket	U10703-004	$152.30
Aileron Hinge Bracket	U10912-004	$140.12
Bearing Block	U10921-000	$27.54
Hinge Bracket Clamp	U10931-000	$33.89
Fairlead 'U' Bracket	U11151-000	$9.88
Upper Wing Root Fairing	U11523-000	$88.99
No. 2 False Spar, Left	U11670-000	$53.90
Right	U11670-001	$61.70
False Spar Flap, Left	U11670-002	$66.47
Right	U11670-003	$75.15
Flap Bellcrank Bracket	U11672-000	$73.17
Inboard Flap Hinge	U11682-000	$269.89
PA-14 Flap Spar	U11685-000	$60.97
Aileron Bellcrank Bracket, Left	U11722-000	$672.44
Right	U11722-001	$672.44
Leading Edge Center 'U' Channel	U12212-004	$83.60
#1 Wing Channel Brace, 8.5"	U12252-002	$14.33
#3 Wing Channel Brace, 16.0"	U12252-003	$18.60
Wing Channel Brace, 17.0"	U12252-004	$14.33
Wing Channel Brace, 6.25"	U12252-006	$15.54
Wing Channel Brace, 7.75"	U12252-007	$14.33
#2 Wing Channel Brace, 13.75"	U12252-008	$16.85
Wing Channel Brace, 10.5"	U12252-009	$14.33
Leading Edge Attach Plate	U12331-002	$6.15
Center Aileron Hangar Bracket	U12482-000	$128.90
Inspection Hole Plate	U12761-002	$51.66
Flap Assembly, Uncovered, Left	U12768-000	$1,867.57
Right	U12768-001	$1,867.57
Flap Control Lever	U12774-000	$796.16
Flap Lever Ratchet	U12776-000	$48.71
Rib Doubler, Left	U1303-01	$10.37
Right	U1303-02	$9.86
Drag Strut	U14222-000	$192.72
Flap Return Spring	U14384-000	$34.39
Wing Spar, Left Front	U14753-002	$1,000.65
Right Front	U14753-003	$1,000.65
Wing Spar, Left Rear	U14823-002	$819.00
Right Rear	U14823-003	$819.00
#1 Drag Strut	U14852-000	$508.46
#3 Drag Strut	U14862-000	$403.66
#2 Drag Strut	U14872-000	$181.35
#5 Bay Drag Wire	U14941-008	$43.82
#1 and #2 Bay Drag Wire	U14941-009	$69.94
#4 and #4 Bay Drag Wire	U14941-010	$50.36
Upper 'N' Brace Tube	U16462-000	$144.97
Lower 'N' Brace Tube	U16472-000	$145.48
Outboard False Spar, Left	U16502-000	$101.02
Right	U16502-001	$101.02
Inboard False Spar, Left	U16512-000	$146.91
Right	U16512-001	$146.91
Leading Edge Inboard Brace, Left	U16572-000	$45.08
Right	U16572-001	$45.08
Leading Edge Center Brace, Left	U16582-000	$46.46
Right	U16582-001	$46.46
Leading Edge Outboard Brace, Left	U16592-000	$37.70
Right	U16592-001	$37.70
Aileron Bellcrank, Left	U40092-000	$377.67
Right	U40092-001	$377.67

Price and availability subject to change without notice • Univair's Toll Free Sales: 1-888-433-5433

Flap Bellcrank, Right ..... U40092-009 ..... **$197.54**
Left ..... U40092-010 ..... **$208.85**
Pulley, 2.75" diameter ..... U41001-008 ..... **$77.99**
Uncovered Aileron Assembly, Left ..... U42555-000 ..... **$3,064.36**
Right ..... U42555-001 ..... **$3,064.36**
Rod End Bearing ..... U452-335 ..... **$51.72**
Lower Rear Wing Root Fairing, Left ..... U60441-000 ..... **$53.87**
Right ..... U60441-001 ..... **$53.87**
Top Wing Root Fairing, Left ..... U60451-000 ..... **$72.37**
Right ..... U60451-001 ..... **$72.37**
Yoke Inspection Cover, Left ..... U60571-000 ..... **$29.46**
Right ..... U60571-001 ..... **$29.46**
Jury Strut Fairing Cover ..... U60722-000 ..... **$308.51**
Reinforcement Patch ..... U60863-005 ..... **$10.12**
Wing Drain Grommet ..... U80122-053 ..... **$4.52**
Rectangle Inspection Plate Grommet ..... U80541-002 ..... **$16.33**
Aileron Bellcrank Cable Link ..... U81262-014 ..... **$6.95**
Rectangular Inspection Cover ..... U82461-000 ..... **$19.87**
Wing Inspection Cover ..... U82461-100 ..... **$15.19**
Front Lift Strut ..... U85552-002 ..... **$788.81**
Rear Lift Strut ..... U85553-002 ..... **$788.81**
Liner Tube, 8" ..... U86062-079 ..... **$107.66**

Stainless Steel Lift Strut Forks

FAA-PMA APPROVED

Univair has been manufacturing FAA-PMA approved high strength, heavy duty lift strut forks since 1975. Our lift strut forks are made from heat-treated stainless steel with rolled threads, are magnafluxed and have always complied with AD 81-25-05 and AD 2015-08-04.

A) Original Size 7/16" Diameter Rolled Thread Fork, (Nut Not Included) ..... U14481-003 ..... **$130.37**
B) Heavy Duty 5/8" Diameter Heat Treated Fork For Sealed Struts Only (Nut Included) ..... U89201-003 ..... **$164.19**

Wing Leading Edge Skins

FAA-PMA APPROVED

A) Inboard Leading Edge Skin, Left ..... U10116-002 ..... **$138.47**
Right ..... U10116-003 ..... **$147.05**
B) Center Leading Edge Skin, Left ..... U10116-004 ..... **$176.21**
Right ..... U10116-005 ..... **$166.81**
C) Outboard Leading Edge Skin, Left ..... U10116-006 ..... **$153.55**
Right ..... U10116-007 ..... **$137.42**
D) Leading Edge Tip Skin, Left ..... U12412-000 ..... **$242.50**
Right ..... U12412-001 ..... **$272.59**

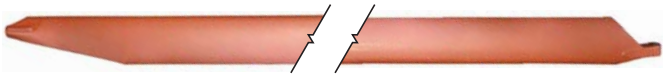
One-Piece Stamped Aluminum Wing Ribs

- Individual ribs and applicability charts start on page 135
- For replacement rib kits, see page 141
- For wing assemblies with stamped ribs, see on page 141

Oiled and Sealed Lift Struts

FAA-PMA APPROVED

Eliminate repetitive AD inspections of your struts and forks with Univair's new oiled and sealed lift struts. Complies with AD 2015-08-04. These struts incorporate the new heavy duty, heat treated, magnafluxed 5/8" rolled thread strut fork and nut.



Front Lift Strut ..... U85552-002 ..... **$788.81**
Rear Lift Strut ..... U85553-002 ..... **$788.81**
Jury Strut Clamps
Front Left ..... U10125-000 ..... **$148.30**
Front Right ..... U10125-001 ..... **$186.09**
Rear Left ..... U10124-000 ..... **$217.97**
Rear Right ..... U10124-001 ..... **$211.67**

Flaps and Ailerons, Uncovered

FAA-PMA APPROVED

Left Aileron, PA-12 and 14 ..... U42555-000 ..... **$3,064.36**
Right Aileron, PA-12 and 14 ..... U42555-001 ..... **$3,064.36**
Left Flap, PA-14 ..... U11686-000 ..... **$1,527.16**
Right Flap, PA-14 ..... U11686-001 ..... **$1,527.16**

Aluminum Bearing Block Repair Kit

STC APPROVED

Simple repair for most all fabric-covered Piper. Allows repair of bearing block on flap and aileron hinge, and avoids need to replace bearing blocks. Simple and practical repair. Kit includes bushings, clevis pins, reamer and adhesive.

- STC approved for use on Piper J-3, J-5, PA-11, PA-12, PA-14, PA-15, PA-16, PA-17, PA-18, PA-19, PA-20, PA-22, and PA-25
- Provide aircraft model, registration numbers, and serial number when ordering

Piper Bearing Block Repair Kit ..... STC-SA02128LA **$409.06**

Lift Strut Hardware for PA-12 and PA-14

Lift Strut Clevis Bolt ..... U13241-000 ..... **$19.20**
Shear Castle Nut ..... AN320-6 ..... **$1.00**
Cotter Pin (AN380-3-3) ..... MS24665-283 ..... **$0.08**

Wing Spars

FAA-PMA APPROVED

Front Left ..... U14753-002 ..... **$1,000.65**
Front Right ..... U14753-003 ..... **$1,000.65**
Rear Left ..... U14823-002 ..... **$819.00**
Rear Right ..... U14823-003 ..... **$819.00**

"NO STEP" Placard for Lift Struts

- Reflective silver with black letters
- Self-adhesive sticker

80944-002 ..... **$3.90**

Wooden Wingtip Bow

FAA-PMA APPROVED

U453-126..... **$50.86**

PIPER J-4 • J-5 • PA-15/17 • PA-16

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Many parts can be correctly identified by the nomenclature listed in this section. However, we suggest that you also have the correct parts manual for positive identification.

Brakes

Description	Part #	Price
Brake Pedal Block • J-5	41531-000	**$91.63**
Piper Bracket • J-5	52321-000	**$54.85**
Goodrich Brake Frame • J-4, J-5	750-038	**$17.91**
Piper Brake Piston Rod • J-5	750-051	**$26.30**
Piper Ring • J-5	750-054	**$1.45**
Brake Pedal Outboard Bearing Block • J-5	U41521-000	**$111.29**
Front Brake Pedal Stop Plate • J-5C	U41561-000	**$30.68**
Brake Pedal Tie Rod • J-5	U41581-009	**$87.12**
Forward Brake Pedal, Left • J-5	U41602-000	**$229.86**
Right • J-5	U41602-001	**$229.86**
Flex Brake Line • PA-15/17, PA-16	U71061-004	**$242.55**
Brake Spring Stop Washer • PA-16	U85012-010	**$6.22**

Grove 800 x 4 Disk Brake Conversion **STC APPROVED**

Maintain your classic look! Use your existing wheels, tires, tubes, master cylinder and brake lines. Easy installation – all parts and special tools included. For Goodrich wheels and brakes only.

- Applicability: Piper J-3, J-4, J-5, PA-11, and PA-15/17
- Bigger caliper for Piper PA-12, PA-14, PA-16, PA-18, PA-19, PA-20
- STC approved
- Kits requiring FAA 8130-3 Forms must be special ordered from the factory. There is an additional $150.00 charge for this documentation.
- Supercedes part numbers 76000 and 76001

Grove Brake Conversion Kit ..... 76002 ..... **$1,029.00**

Univair aircraft parts have been made in the U.S.A. since 1946

Cleveland Wheels & Brakes Conversion Kit

Convert from your Goodrich Wheels and Brakes to the new Cleveland Wheels and Brakes. Uses the 6.00 x 6 tires. FAA 337 or STC approval required for installation. Request STC SA11RM-1.25 when you purchase this kit and it is available at no charge. Not applicable on J-4 or J-5.

Lines and fittings are not included in kit but can be ordered separately (see below).

Cleveland Conversion Kit ..... 199-07100 ..... **$5,795.53**

Installation May Require:

Lines (2 required) ..... U60703-002 ..... **$79.83**
Elbows (2 required) (558-819) ..... 502X4 ..... **$16.24**
Elbows (2 required) (460-677) ..... 402X4 ..... **$5.08**
STC* (for 1¼" axle) ..... STC-SA11RM-1.25* **$145.44**

Parts listed above priced and sold individually.
* Free upon request when purchasing entire kit 199-07100.

Goodrich Brake Assembly Parts

- For all Pipers with 8.00 x 4 wheels
- While supplies last!

Brake Block (750-033) ..... B27-59-1 ..... **$80.50**
Spring (750-029) ..... B21-35 ..... **$12.42**
Shield (750-093) ..... A72-30 ..... **$32.57**

Cockpit • Interior

Description	Part #	Price
Instrument Panel • PA-15/17	11630-000	**$284.04**
Floor Plate • PA-16	12019-000	**$17.56**
Starter Cable Cover • PA-16	12021-000	**$38.61**
Baggage Strap • PA-16	12036-002	**$21.97**
Baggage Strap • PA-16	12036-003	**$23.06**
Airspeed Tube • J-5, PA-15/17	13541-004	**$14.93**
Window/Door Rubber Moulding • PA-15/17	187-610	**$1.41/ft**
Front Seat Back Canvas, Black • J-5	52552-000	**$97.50**
Rear Seat Sling Canvas, Black • J-5	52563-000	**$195.00**
Stabilizer Crank Lock Pin • PA-15/17, PA-16	81761-011	**$11.11**
Bushing • PA-15/17, PA-16	82732-003	**$2.50**
Switch Panel Cover • J-5C	U10176-000	**$83.28**
Instrument Panel Cover, Left • J-5C	U10298-000	**$274.13**
Instrument Panel Cover, Right • J-5C	U10299-000	**$274.13**
Rear Window Trim Strip, Left • J-5C	U10341-000	**$82.35**
Throttle Panel Cover • J-5C	U10382-000	**$311.73**
Inside Door Panel • J-5C	U10386-000	**$328.04**
Control Knob, Black • J-5, PA-15/17, PA-16	U10911-000	**$13.71**
Weatherstrip Channel, 29.75" • PA-16	U11432-005	**$66.17**
Weatherstrip Channel, 30.5" • PA-16	U11432-006	**$73.85**
Weatherstrip Channel, 15.75" • PA-16	U11432-007	**$63.97**
Threaded Bushing • J-5, PA-15/17, PA-16	U11789-000	**$19.43**
Airspeed Tube • J-4	U13541-002	**$72.85**
Push Pull Cable, 65", Less Knob • PA-15/17, PA-16	U16775-000	**$102.38**
Window Stop Set Screw • J-5	U21601-000	**$18.31**
Throttle Lever Connecting Link • J-5	U41551-000	**$67.62**
Clamp • J-5	U80002-042	**$89.85**

Control System

Description	Part #	Price
Control Knob, Black • J-5, PA-15/17, PA-16	U10911-000	**$13.71**
Flap Return Spring • PA-15/17	U10940-000	**$37.01**
Fairlead 'U' Bracket • J-4, J-5, PA-16, PA-17	U11151-000	**$9.88**
Stabilizer Indicator Plate • PA-16	U12102-000	**$179.33**
Stabilizer Tube Yoke Link • J-5	U14180-002	**$343.50**
Rudder Pedal Fitting • J-5C	U24121-003	**$9.08**
Short Fairlead Segment, Half • J-4, 5, PA-15/17, 16	U40071-000	**$1.45**
Fairlead Snap Ring • J-4, J-5, PA-15/17, PA-16	U40081-000	**$0.54**
Control Stick • J-5	U40231-000	**$137.59**
Control Stick Connector • J-5	U40261-000	**$262.78**
Aileron/Flap Rib • PA-15/17, PA-16	U40321-002	**$18.69**
Aileron/Flap Rib • PA-15/17, PA-16	U40321-003	**$28.57**
Aileron Trailing Edge Tube • PA-15/17, PA-16	U40421-003	**$76.36**
Aileron Bulkhead, Left • PA-15/17, PA-16	U40451-002	**$12.01**
Right	U40451-003	**$12.01**
Aileron Brace, Left • PA-15/17, PA-16	U40581-002	**$16.30**
Right	U40581-003	**$20.95**
Bellcrank Assembly • J-5	U40663-004	**$905.74**
Fitting Plate • J-5	U40821-003	**$14.15**
Elevator Bellcrank Ball Cover • J-5	U40921-000	**$70.30**
Elevator Bellcrank Ball • J-5	U40931-000	**$98.84**
Rudder Pedal Spring • J-5	U40941-000	**$12.47**
Trim Crank Escutcheon • J-4, J-5	U41101-000	**$39.21**
Stabilizer Adjust Trim Crank • J-4, J-5, PA-15/17, 16	U41111-000	**$139.81**
Escutcheon Spring • J-4, J-5	U41151-000	**$10.63**
Trim Crank Pin • J-5	U41161-000	**$40.79**
Torque Tube Attach Shim • J-5C	U41371-002	**$4.39**
Torque Tube Bearing Shim • J-4, J-5	U41371-005	**$13.14**
Throttle Arm • J-5	U41491-000	**$85.45**
Aileron Hinge • PA-15/17, PA-16	U41881-000	**$91.18**
Aileron Center Hinge • PA-15/17, PA-16	U41891-000	**$89.85**
Flap Hinge Plate • PA-15/17, PA-16	U42491-000	**$7.63**
Ball Cover Bolt • J-5	U42731-000	**$66.13**
Aileron Tip Rib • PA-15/17, PA-16	U42872-000	**$23.31**
Aileron Trailing Edge • PA-15/17, PA-16	U42922-000	**$38.86**
Trailing Edge • PA-15/17, PA-16	U42933-000	**$117.17**
Elevator Bellcrank Shim • J-5	U42941-000	**$16.68**
Rod End Bearing • J-4, J-5	U452-335	**$51.72**
Elevator Horn Attach Bushing • J-5, PA-15/17, 16	U80012-017	**$14.01**
Rudder Pedal Bar Clamp • PA-15/17, PA-16	U80222-024	**$37.88**
Throttle Friction Lug • J-5, PA-16	U81172-020	**$9.46**
Attach Link • J-5	U81262-008	**$13.56**
Friction Washer • J-5	U81342-020	**$3.65**

Piper Pulleys

FAA-PMA APPROVED

Description	O.D. x I.D.	Part #	Price
1) Fiber Pulley • J-4, J-5C	2¾" x ⅜"	U41171-000	**$91.20**
2) Fiber Pulley • J-5, PA-15/17, PA-16	2¾" x ⅜"	U40991-000	**$20.19**
3) Fiber Pulley • PA-15/17	2¾" x 5/16"	U41001-008	**$77.99**
4) Fiber Pulley • PA-15/17, PA-16	1¾" x ¼"	U80421-000	**$13.64**
5) Fiber Pulley • PA-16	1½" x ¼"	U481-609	**$13.13**
6) Fiber Pulley • PA-15/17	1" x ¼"	U43001-000	**$20.04**
7) Aluminum Pulley • J-5C	2¾" x ⅜"	U43061-000	**$132.70**
8) Aluminum Pulley • J-5C, PA-16	2¾" x ⅜"	U10080-000	**$175.78**
9) Aluminum Pulley • PA-16	4" x ⅜"	U11008-000	**$206.07**

Uncovered Aileron Assemblies

FAA-PMA APPROVED

- Crate cost CR-AIL will be added to shipping costs

Left • PA-15/17, PA-16	U42585-000	**$1,707.17**
Right • PA-15/17, PA-16	U42585-001	**$1,707.17**

Stabilizer Yoke and Adjust Screw

FAA-PMA APPROVED

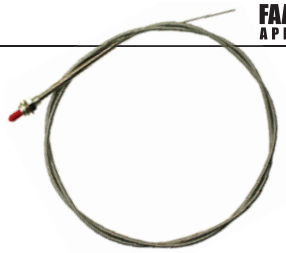
- Applicability: Piper J-5, PA-16

Stabilizer Adjust Screw	U42961-102	**$128.23**
Stabilizer Adjust Yoke	U42692-000	**$318.63**

Push-Pull Control Cable

FAA-PMA APPROVED

- For Piper PA-15/17, PA-16
- 65" long stainless steel cable
- Knob not included
- Used for mixture, cabin heat, carb heat and other applications



U16775-000 ..... **$102.38**

Stabilizer Tube

FAA-PMA APPROVED

- Applicability: PA-15/17

U11586-000 ..... **$253.71**

Control Cables

FAA-PMA APPROVED

- GS = Galvanized Steel, SS = Stainless Steel

Aileron Cable, 103⅝", GS • PA-15, PA-17	U11527-000	**$166.77**
Aileron Cable, 65⅝", GS • PA-16	U11527-002	**$174.01**
Aileron Cable, 65⅝", SS • PA-16	U11527-004	**$151.33**
Rudder Cable, 181½", GS • PA-16	U11641-004	**$156.48**
Long Rear Rudder Cable, 182 13/16", GS • J-5	U40123-002	**$230.55**
SS	U40123-002S	**$215.76**
Front Rudder Up Parking Brake Cable, 25 9/16", GS • J-5	U40123-007	**$160.05**
SS	U40123-007S	**$206.73**
Bungee Cable, 19¾", GS • J-5	U40123-008	**$52.00**
SS	U40123-008S	**$56.30**
Aileron Cable, In Wing, 98½", GS • J-5	U40123-018	**$121.66**
SS	U40123-018S	**$162.78**
Center Aileron Balance Cable, 61⅛", GS • J-5	U40123-019	**$138.88**
SS	U40123-019S	**$207.35**
Aileron Control Stick Cable, 90⅛", GS • J-5	U40123-021	**$159.73**
SS	U40123-021S	**$204.04**
Elevator Cable to Upper Horn, 133⅝", GS • J-5	U40123-022	**$173.19**
SS	U40123-022S	**$172.95**
Elevator Cable to Lower Horn, 131¾", GS • J-5	U40123-023	**$123.35**
SS	U40123-023S	**$147.89**
Aileron Cable to Upper Horn, 103⅝", GS • PA-15/17	U40123-049	**$233.76**
Bungee Cable, 15½", GS • PA-15/17	U40123-050	**$32.20**
Elevator Cable to Upper Horn, 140½", GS • PA-15	U40123-051	**$139.18**
Elevator Cable to Lower Horn, 156½", GS • PA-15	U40123-052	**$131.04**
Torque Tube Horn Connector Cable, 11⅞", GS • PA-17	U40123-057	**$172.45**
Front Elevator Cable, 8 3/16", GS • PA-15/17	U40123-058	**$144.13**
Front Elevator Cable, 25", GS • PA-15/17	U40123-059	**$147.86**
Elevator Cable, 130", GS • PA-15/17	U40123-060	**$101.19**
Bungee Cable, 22 3/16", GS • PA-16	U40123-061	**$74.52**
Aileron Cable to Lower Horn, 130½", GS • PA-16	U40123-063	**$139.16**
Aileron Balance Cable, 141⅝", GS • PA-16	U40123-064	**$157.68**
Aileron Cable to Lower Horn, 130½", SS • PA-16	U40123-071	**$128.17**
Aileron Balance Cable, 141⅝", SS • PA-16	U40123-072	**$168.02**
Stabilizer Adjust Cable, 260¼", GS • PA-16	U41671-011	**$367.42**
Stabilizer Adjust Cable, 260¼", SS • PA-16	U41671-014	**$341.73**

Engine • Fuel System

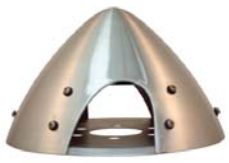
Description	Part #	Price
Fuel Tank Cover, Left • J-5	U10118-000	**$759.64**
Right	U10118-001	**$759.64**
Muffler Assembly • PA-16	U10308-003	**$2,343.00**
Muffler Shroud Clip • PA-16	U10430-000	**$78.53**
Baffle Tie Rod • PA-16	U10487-002	**$81.46**
Fuel Tank Front Top Short Strap • PA-16	U10648-003	**$57.28**
Fuel Tank Rear Strap • PA-16	U10649-000	**$108.54**
Fuel Tank Rear Top Long Strap • PA-16	U10649-003	**$95.98**
Fuel Tank IB and OB Bottom Strap • PA-16	U10650-002	**$76.98**
Fuel Tank Cover • PA-16	U10657-000	**$446.45**
Fuel Gauge Assembly • PA-16	U10676-000	**$251.19**

Fuel Sight Tube End Plug • PA-16 ..... U10676-004 ..... **$32.25**
Fuel Sight Gauge Washer (No Hole) • PA-16 ..... U10676-008 ..... **$4.20**
Fuel Tank, 18.5 gallons • PA-16 ..... U10849-011 ..... **$2,320.87**
Fuel Gauge Access Plate • J-5C ..... U10878-000 ..... **$21.03**
Baffle Hanger Support • PA-17 ..... U10920-000 ..... **$25.39**
Outer Intercylinder Baffle • PA-17 ..... U10923-000 ..... **$30.58**
Tailpipe Assembly • PA-16 ..... U11417-000 ..... **$276.73**
Stabilizer Tube • PA-15/17 ..... U11586-000 ..... **$253.71**
Tee to Valve Fuel Line Assembly • PA-16 ..... U11973-000 ..... **$99.77**
Spinner Strap • PA-16 ..... U12330-004 ..... **$65.31**
Fuel Strainer Bowl, EZ Drain • PA-15/17, PA-16 ..... U12764-000 ..... **$150.74**
Strainer Assembly • PA-15/17, PA-16 ..... U14330-002 ..... **$331.37**
Flexible Fuel Hose, 12" • PA-16 ..... U17766-66 ..... **$201.66**
Primer Jet • J-5 (S/N 784 and up), PA-15, PA-16 ..... U31197-000 ..... **$72.82**
Throttle Lever Connecting Link • J-5 ..... U41551-000 ..... **$67.62**
Engine Primer Pump • J-4, J-5, PA-15/17, PA-16 ..... U451-100 ..... **$462.19**
Gascolator Bail • J-5, PA-15/17, PA-16 ..... U494-644 ..... **$78.39**
Flexible Fuel Hose, 15.5" • PA-17 ..... U70322-012 ..... **$202.78**
Cabin Heat Cable Swivel Fitting • J-5 ..... U70371-000 ..... **$62.65**
Carburetor Heat Cable Swivel Fitting • J-5 ..... U70371-002 ..... **$18.28**
Swivel Stud Fitting • J-5 ..... U70371-003 ..... **$29.12**
Muffler Clamp • J-4, J-5, PA-15/17, PA-16 ..... U70591-002 ..... **$38.16**
Fuel Valve Assembly • J-5 ..... U70781-000 ..... **$220.56**
Flex Oil Pressure Hose, 6" • PA-16 ..... U71061-000 ..... **$158.13**
Gascolator Mounting Bracket • J-5, PA-15, 16, 17 ..... U71991-000 ..... **$94.36**
Fuel Tank Strainer • PA-15/17, PA-16 ..... U72091-000 ..... **$76.36**
Fuel Line • J-5 (S/N 1 to 783) ..... U72432-000 ..... **$163.73**
Air Scoop Assembly • J-5 ..... U72522-000 ..... **$324.71**
Gascolator Wire Bail • J-4, J-5, PA-15/17, PA-16 ..... U750-268 ..... **$47.41**
Fuel Strainer Screen • J-5, PA-15/17, PA-16 ..... U750-272 ..... **$3.18**
Gascolator Bowl Seat • J-4, J-5, PA-15/17, PA-16 ..... U750-273 ..... **$20.84**
Tailpipe Attach Clamp • J-5 ..... U80002-022 ..... **$44.53**
Cable Clamp • PA-15/17, PA-16 ..... U80032-034 ..... **$30.12**
Fuel Tank Strap Stud • J-5, PA-15/17, PA-16 ..... U80111-000 ..... **$26.52**
Fuel Tank Filler Neck Grommet • PA-15/17, PA-16 ..... U80122-048 ..... **$9.61**
Gascolator Gasket • PA-15/17, PA-16 ..... U85012-032 ..... **$4.62**
Fuel Gauge Sight Tube Washer (With Hole) • PA-16 ..... U85012-053 ..... **$3.62**
Gascolator Cover • J-5, PA-15/17, PA-16 ..... U87477-002 ..... **$135.42**
Swivel Cable Attach Fitting • PA-15/17, PA-16 ..... U91193-000 ..... **$22.79**

Spinner

FAA-PMA APPROVED

- Applicability: Piper PA-16 with O-235 or O-290 engines with AM series Sensenich propellers

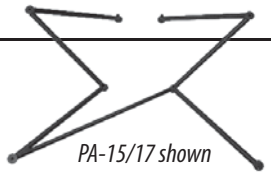


Spinner Dome ..... U13661-000 ..... **$438.10**
Front Plate ..... U13664-000 ..... **$187.65**
Back Plate ..... U13663-000 ..... **$202.29**
Complete Spinner Assembly ..... U13661-A **$769.18**

Engine Mounts

FAA-PMA APPROVED

J-5 ..... U00032-016 ..... **$1,647.56**
PA-16 ..... U11786-000 ..... **$1,824.91**
PA-15/17 ..... L11824-000 ..... **$925.22**



PA-15/17 shown

Fuel Drain Items

- Applicability: J-4, PA-15/17 frame fuel tanks with ⅜" NPT drain boss
- Compliance with AD 85-06-04

Aluminum Elbow ..... AN915-3D **$38.88**
Aluminum Reducer ..... AN912-3D **$9.34**
Drain Valve (-22179-000) ..... CAV-110H-4 ..... **$35.47**
Plastic Tube, ¼" ID x ⅜" OD (3 feet required) ..... 189-543 ..... **$0.95/ft**

Fuel Warning Placard

- Applicability: Piper J-4, PA-15/17
- Self-adhesive sticker
- Approximate Size: 2⅛" wide by 1⅛" high

Drain Fuel Warning Placard ..... PLACARD-850604 ..... **$10.14**

Tachometer Cables

FAA-PMA APPROVED

PA-15/17, PA-16, Non-Recording, 34.0" ..... U1713-N340 ..... **$175.30**
PA-15/17, PA-16, Recording, 32.5" ..... U1713-R325 ..... **$175.30**

Frame

Description	Part #	Price
Rubber Moulding, 2 Feet • J-4, J-5, PA-15/17, PA-16	U19657-000	**$23.07**
Upper Engine Mount Fitting • J-5, PA-15/17, PA-16	20291-000	**$206.58**
Lower Engine Mount Fitting • J-5, PA-15/17	20301-000	**$191.47**
Battery Access Door • J-5C	U10275-000	**$321.79**
Battery Box Door Frame • J-5C	U10276-000	**$464.88**
Fabric Reinforcement • J-5C, PA-15/17	U10293-002	**$25.17**
Top Cowl Assembly • J-5C	U10699-000	**$230.99**
Rear Wing Attach Fitting, Left • PA-15/17, PA-16	U11821-000	**$50.90**
Right	U11821-001	**$50.90**
Yoke Inspection Plate, Left • PA-16	U11990-000	**$39.94**
Right	U11990-001	**$39.94**
Inspection Hole Plate • J-4, J-5, PA-15/17, PA-16	U12761-002	**$51.66**
Landing Gear Fitting, Left • PA-16	U21262-004	**$417.66**
Right	U21262-005	**$417.66**
Tail Post Assembly • PA-16	U22412-000	**$194.44**
Rudder Pedal Fitting • J-5C	U24121-002	**$9.08**
Rudder Pedal Fitting • J-5C	U24121-003	**$9.08**
Short Fairlead Segment, Half • J-4, 5, PA-15/17, 16	U40071-000	**$1.45**
Fairlead Snap Ring • J-4, J-5, PA-15/17, PA-16	U40081-000	**$0.54**
Door Latch Kit • J-4, J-5, PA-15/17, PA-16	U52745-000	**$5.59**
Tail Inspection Plate, Left • PA-15/17, PA-16	U60742-000	**$42.37**
Right	U60742-001	**$42.37**
Rectangular Inspection Cover • PA-15/17, PA-16	U82461-000	**$19.87**

For stringer blanks, see the Raw Materials section on page 256.

Piper Grommets

1) Grommet, Tail • PA-16 ..... U10292-000 ..... **$14.33**
Aluminum Grommet • J-5, PA-16 ..... 10292-000A **$14.40**
2) Grommet • PA-16 ..... U10984-000 ..... **$20.62**
3) Grommet • J-5, PA-15/17, PA-16 ..... 80122-051 ..... **$4.37**
Grommet (Generic) • J-5, PA-15/17, PA-16 ..... 483-15 ..... **$2.04**
Wing Drain Grommet • J-4, J-5, PA-15/17, PA-16 ..... U80122-053 ..... **$4.52**
4) Grommet, Strut • PA-15/17, PA-16 ..... U15761-000 ..... **$9.61**
5) Grommet, Tail • J-5, PA-15/17 ..... U10293-000 ..... **$11.81**
Grommet, Aluminum • J-5, PA-15/17, PA-16 ..... 10293-000A **$13.71**
6) Grommet • PA-15/17, PA-16 ..... U80541-002 ..... **$16.33**
7) Grommet, Pulley Cover • J-5 ..... U60671-000 ..... **$12.81**

Steel 'U' Channels • 6 Foot Length

¼" x ¼" Channel (750-284) ..... X141472 ..... **$8.26**
⅜" x ⅜" Channel, 24 gauge ..... U750-285 ..... **$12.87**
⅜" x ⅜" Channel, 20 gauge ..... U750-285HD **$13.65**
½" x ½" Channel ..... X121272 ..... **$34.09**
¾" x ½" Channel ..... X341272 ..... **$33.29**
⅝" x ½" Channel ..... X581272 ..... **$33.85**

Reinforcement Patches

- Made of black vinyl
- #1 is approximately 4.5" high by 2" wide
- #2 is approximately 2 9/16" high by 2" wide

1) U60863-005 • J-4, J-5 ..... **$10.12**
2) U60863-009 • J-5 ..... **$12.37**

Landing Gear

Description	Part #	Price
Landing Gear Hardware Kit • PA-15/17	750-611	**$237.83**
Landing Gear Vee Bushing • J-5	80022-026	**$17.02**
Nose Gear Insert Bushing • J-4	80022-047	**$3.88**
Uncovered Landing Gear Vee, Left • PA-16	L11782-000	**$2,790.00**
Right	L11782-001	**$2,790.00**
Brake Line • PA-15/17	U10034-002	**$71.32**
Outer Fairing Assembly, Left • J-5C	U10283-000	**$513.07**
Right	U10283-001	**$513.07**
Uncovered Landing Gear Vee, Left • PA-15/17	U11554-000	**$1,379.28**
Right	U11554-001	**$1,379.28**
Long Shock Strut • J-5	U30432-000	**$432.12**
Short Shock Strut • J-5	U30442-006	**$449.68**
Uncovered Landing Gear Vee, Left • J-5	U30452-000	**$1,178.31**
Right	U30452-001	**$1,178.31**
Cabane Vee • J-5	U30473-000	**$486.17**
Axle Nut • J-4, J-5, PA-15/17, PA-16	U30491-000	**$85.04**
Landing Gear Bushing • PA-15/17, PA-16	U80022-063	**$17.51**

Tailwheel Springs

FAA-PMA APPROVED

Tailwheel Spring 2-Leaf Set • PA-15/17 ..... PA17TWS **$169.38**
Tailwheel Spring 4-Leaf Set • PA-16 (S/N 1 to 272) ..... PA16TWS4L **$248.77**
Tailwheel Spring 4-Leaf Set • PA-16 (S/N 273 and up) ..... PA18TWS4L **$259.50**
Tailwheel Leaf Spring, Top • PA-16 ..... U10999-002 ..... **$56.83**
Tailwheel Leaf Spring, Middle • PA-16 ..... U10999-003 ..... **$81.67**
Tailwheel Leaf Spring, Bottom • PA-16 ..... U10999-005 ..... **$81.44**
Tailwheel Spring, Bottom Leaf • PA-16 (S/N 273 +) ..... U12567-002 ..... **$98.81**
Tailwheel Spring, Middle Leaf • PA-16 (S/N 273 +) ..... U12567-003 ..... **$98.08**
Tailwheel Spring, Top Leaf • PA-16 (S/N 273 +) ..... U12567-004 ..... **$60.83**
Tailwheel Leaf Spring, Middle • PA-15/17 ..... U30512-002 ..... **$82.27**
Tailwheel Leaf Spring, Bottom • PA-15/17 ..... U30512-004 ..... **$78.66**
Tailwheel Leaf Spring, Top • J-5, PA-15/17 ..... U30522-000 ..... **$61.97**
Tailwheel Spring Attach Clamp • J-5 ..... U30531-000 ..... **$34.83**
Tailwheel Spring Clamp • PA-16 ..... U30531-002 ..... **$112.46**
Tailwheel Spring Top Pad • J-4, J-5, PA-15/17, PA-16 ..... U30541-002 ..... **$12.55**
Tailwheel Attach Washer • PA-16 ..... U85012-048 ..... **$10.24**

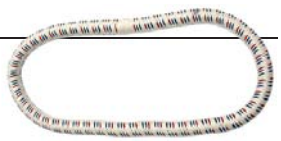
PA-17 Shock Strut Parts

FAA-PMA APPROVED

A) Long Strut • PA-17 ..... U11804-000 ..... **$647.45**
B) Short Strut • PA-17 ..... U11803-000 ..... **$719.71**
C) Adapter (2 required) • PA-15/17, PA-16 ..... U11806-000 ..... **$167.38**

Note: The U11553-000 PA-15 landing gear brace is no longer available.

Shock Cords



- High quality Superior brand shock cords
- Manufactured from multiple rubber strands
- Priced and sold individually

Standard • J-5 ..... U30462-002 ..... **$51.20**
Standard • PA-15/17 ..... U31322-000 ..... **$67.88**
Standard • PA-16 ..... U31322-006 ..... **$48.98**
Cold Weather • PA-16 ..... 1080HD-CW **$65.27**
Cold Weather • PA-17 ..... 1280HD-CW **$54.99**
Cold Weather • PA-15/17 ..... 1280-CW **$54.09**

Piper Hub Caps

FAA-PMA APPROVED

Primed Steel

- For original 8.00 x 4 Goodrich wheels
- 7.25" diameter
- Stamped cap has "CUB" in raised lettering

Stamped "CUB" ..... U31702-000 ..... **$63.01**
Plain ..... U31702-002 ..... **$51.66**

Bare Aluminum

- For 6.00 x 6 Cleveland conversion wheels
- 5⅜" diameter
- Stamped cap has "CUB" in raised lettering

Stamped with "CUB" ..... U1680-00 ..... **$43.30**
Plain ..... U1680-02 ..... **$37.47**

Cub Mask

Fits over the raised letters on the above hub caps and makes the job of painting cleaner and neater. Set of 2.

Cub Mask ..... CUB-MASK **$17.45**

Shock Cord Covers

FAA-PMA APPROVED

Aluminum Shock Cord Cover • PA-15/17
U10566-003 ..... **$62.55**

Propellers

Univair furnishes a bolt kit with each propeller purchase. Bolt kits can also be purchased separately from our website.

Propeller descriptions below show basic aircraft/engine model applicability. Check manufacturer's websites for exact applicability before purchasing, or contact our sales staff at 1-888-433-5433 and we can research it for you.

Please note that we do not stock all of the propellers listed. Non-stocked propellers require 4-6 months for delivery.

McCauley Aluminum Fixed-Pitch Propellers

J-5A, Continental C-85 ..... CM7144 ..... **CALL**
J-5A, Continental C-85 ..... CM7146 ..... **CALL**
J-4E, J-5A, Continental C-75, C-85 ..... CM7148 ..... **CALL**
J-5A, J-5B, Continental C-90 ..... CM7347 ..... **CALL**
J-4A, Continental A-65 ..... CM7443 ..... **CALL**
J-4A, Continental A-65 ..... CM7445 ..... **CALL**
J-5A, Continental C-75 ..... CM7449 ..... **CALL**

Sensenich Aluminum Propellers

J-4A, Continental A-65 ..... 74CK-0-44 ..... **$5,884.50**
PA-17, Continental A-65 ..... 74CK-2-46 ..... **$5,884.50**
PA-17, Continental A-65 ..... 74CK-2-48 ..... **$5,884.50**
PA-16S, Lycoming O-235 ..... 76AM6-2-44 ..... **$5,800.50**
PA-16, Lycoming O-235 ..... 76AM6-2-48 ..... **$5,880.50**
PA-16, Lycoming O-235 ..... 76AM6-2-50 ..... **$5,880.50**

Sensenich Wood Propellers

J-4E, J-5A, Continental A-75 ..... W70DK-40 ..... **$3,995.00**
J-4E, J-5A, Continental A-75 ..... W70DK-42 ..... **$3,995.00**
J-4F, Lycoming O-145 ..... W70LY-34 ..... **$3,995.00**
J-4F, PA-15, Lycoming O-145 ..... W70LY36 ..... **$3,995.00**
J-4A, PA-17, Continental A-65 ..... W72CK42 ..... **$3,995.00**
J-4A, PA-17, Continental A-65 ..... W72CK44 ..... **$3,995.00**
J-4A, PA-17, Continental A-65 ..... W72CK42-SB **$4,030.00**

Tail Section

Description	Part #	Price
Elevator, Left • PA-15/17	11579-000	**$1,293.58**
Rudder Attach Hardware Kit • J-4, J-5, PA-15/17, 16	PSK-1	**$47.76**
Elevator Attach Hardware Kit • J-4, J-5, PA-15/17, 16	PSK-2	**$81.63**
Tail Brace Fitting • J-5C, PA-16	U10075-002	**$37.32**
Upper Tail Brace Fitting • J-5C, PA-16	U10075-003	**$37.32**
Lower Tail Brace Fitting • J-5C, PA-16	U10075-004	**$39.21**
Bungee Spring • PA-16	U10940-002	**$72.45**
Rudder Arm • J-4, PA-15/17, PA-16	U1140A-000	**$241.37**
Fin Assembly • PA-16	U11783-000	**$725.09**
Rudder Bracket • J-5C, PA-15/17, PA-16	U12651-000	**$58.75**
Clevis Washer • J-5, PA-15/17, PA-16	U40131-000	**$10.08**
Elevator Horn • J-5, PA-16	U40551-000	**$46.26**
Uncovered Elevator Assembly • J-5, PA-15/17, 16	U40572-000	**$743.95**
Uncovered Rudder Assembly • J-5C, PA-15/17, 16	U40622-000	**$915.52**
Uncovered Horizontal Stabilizer • J-5, PA-15/17	U40643-000	**$875.23**
Upper Tail Brace Wire • PA-15/17, PA-16	U41031-002	**$46.77**
Lower Tail Brace Wire • J-5, PA-15/17, PA-16	U41031-003	**$41.14**
Long Bushing • J-4, J-5, PA-15/17, PA-16	U80022-044	**$1.40**
Short Bushing • J-4, J-5, PA-15/17, PA-16	U80022-045	**$1.76**
Wing Drain Grommet • J-4, J-5, PA-15/17, PA-16	U80122-053	**$4.52**
Rectangle Inspection Plate Grommet • PA-15/17, 16	U80541-002	**$16.33**
Liner Tube, 8" • J-5, PA-16	U86062-079	**$107.66**
Stabilizer Liner Tube, 16" • J-5, PA-16	U86062-080	**$142.85**

Vertical Stabilizer

FAA-PMA APPROVED

- Applicability: Piper J-4, J-5
- Uncovered
- Includes bushings

Vertical Stabilizer ..... U40592-000 ..... **$623.71**

Tail Brace Wires

FAA-PMA APPROVED

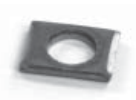
- Round type to comply with AD 60-01-0
- Stainless steel wires and clevis

Upper Wire Assembly	U10555-002	**$231.11**
Lower Wire Assembly	U10556-002	**$231.11**
Original Installation Kit*	10555-KIT	**$77.34**

* Use first time round wires are installed

Top wire clevis

Bottom wire clevis



Square washer

Brass nipple

Top Wire, Upper Clevis (40521-008)	U61341-003	**$36.88**
Top Wire, Lower Clevis (40521-007)	U61341-002	**$48.85**
Bottom Wire, Upper Clevis (40521-009)	U61341-004	**$53.20**
Bottom Wire, Lower Clevis (40521-010)	U61340-000	**$48.85**
Square Washer	U81102-002	**$6.74**
Brass Tie Rod Nipple	U41051-000	**$33.64**
Plain Hex Nut	AN315-5	**$0.26**
Clevis Bushing	U82732-072	**$7.14**

Windows • Windshields

Prices below are for clear windows and windshields only. See our website for prices and availability of Solar Gray and Green tinted versions. Delivery time is 10 to 12 weeks for non-stock items.

Windshield, J -4	00079-020	**$471.49**
Rear Window, Right, J-4, PA-16	12011-000	**$60.03**
Windshield, J-5	52412-000	**$458.12**
Windshield, Round Type, J-5C	10212-000	**$432.14**
Windshield, PA-15/17, PA-16	11631-000	**$455.15**
Sliding Window, Left, PA-15/17, PA-16	11636-000	**$82.42**
Front Door Window, Right, PA-15/17, PA-16	11651-000	**$131.42**

Wings

Description	Part #	Price
Drag Strut 'N' Brace Tube • J-4, PA-15/17, PA-16	U10112-007	**$102.88**
Inboard Wing Trailing Edge • J-5C	U10117-000	**$142.30**
Leading Edge Inboard 'U' Channel • J-5	U10123-000	**$158.94**
Rear Jury Strut Clamp, Left • J-5	U10124-000	**$217.97**
Right	U10124-001	**$211.67**
Front Jury Strut Clamp, Left • J-5	U10125-000	**$148.30**
Right	U10125-001	**$186.09**
Jury Strut, Left • J-5	U10126-000	**$749.03**
Right	U10126-002	**$450.48**
Door Catch Clamp • J-5	U10149-000	**$218.22**
Drag Strut Lock Bolt Plate • J-4, J-5, PA-15/17, 16	U10151-000	**$3.40**
Tie Rod • J-4, J-5	U10191-002	**$77.24**
Tie Rod Nipple • J-4, PA-15/17, PA-16	U10201-000	**$12.94**
Jury Strut Brace Tube • J-5	U10203-000	**$145.75**
Tie Rod Nipple • J-4, J-5, PA-15/17	U10211-000	**$49.91**
Tie Rod Clevis • J-4, J-5, PA-15/17, PA-16	U10221-000	**$19.54**
Upper Front Strut Cuff, Left • J-5C	U10225-000	**$121.45**
Right	U10225-001	**$121.45**
Upper Rear Strut Cuff, Left • J-5C	U10226-000	**$117.71**
Right	U10226-001	**$117.71**
Front Spar Butt Hinge Fitting • PA-15/17, PA-16	U10401-000	**$50.54**
Rear Spar • J-4	U10563-000	**$554.31**
Front Spar • J-4	U10573-000	**$796.53**
Leading Edge Cover, Left • PA-16	U10630-004	**$213.48**
Rear Jury Strut Clamp • J-5, PA-15/17, PA-16	U10656-000	**$39.84**
Aileron Hinge Bracket • PA-15/17, PA-16	U10912-006	**$117.22**
Clamp Hinge Bracket • J-5C	U10931-000	**$33.89**
Flap Return Spring • PA-15/17	U10940-000	**$37.01**
Navigation Light Wire Clip • J-4	U11061-000	**$8.53**
Fairlead 'U' Bracket • J-4, J-5, PA-16, PA-17	U11151-000	**$9.88**
Upper Wing Root Fairing • PA-15/17, PA-16	U11523-000	**$88.99**
Lower Wing Fairing, Right • PA-15/17, PA-16	U11524-003	**$83.27**
Bottom Root Fairing, Left • PA-15/17, PA-16	U11524-004	**$83.27**
Bottom Root Fairing, Left • PA-15/17, PA-16	U11525-000	**$79.19**
Bottom Root Fairing, Left • PA-15/17, PA-16	U11525-002	**$79.19**
Wing Root Fairing, Left • PA-15/17, PA-16	U11526-000	**$105.15**
Wing Root Fairing, Right • PA-15/17, PA-16	U11526-001	**$105.15**
Eye Bolt • J-4, J-5	U11601-000	**$62.43**
Bottom Wing Fairing, Right • PA-15/17, PA-16	U11659-000	**$38.89**
Aileron Bellcrank Bracket, Left • J-4, J-5	U11722-000	**$672.44**
Right	U11722-001	**$672.44**
#1 Channel Brace • J-4, J-5, PA-15/17, PA-16	U12252-002	**$14.33**
#3 Channel Brace • J-4, J-5, PA-15/17, PA-16	U12252-003	**$18.60**
Wing Channel Brace • J-4, J-5, PA-15/17, PA-16	U12252-004	**$14.33**
Wing Channel Brace • J-5, PA-15/17, PA-16	U12252-005	**$14.33**
Wing Channel Brace • J-4, J-5	U12252-006	**$15.54**
Brace Wing Channel • J-4	U12252-007	**$14.33**
#2 Wing Channel Brace • J-4, J-5, PA-15/17, PA-16	U12252-008	**$16.85**
Leading Edge Attach Plate • J-4, J-5	U12331-002	**$6.15**
Leading Edge Tip Skin, Left • J-5C	U12412-000	**$242.50**
Right	U12412-001	**$272.59**
Center Aileron Hangar Bracket • J-4, J-5	U12482-000	**$128.90**
Inspection Hole Plate • J-4, J-5, PA-15/17, PA-16	U12761-002	**$51.66**
Rib Doubler, Left • J-5C, PA-15/17, PA-16	U1303-01	**$10.37**
Right	U1303-02	**$9.86**
Outboard Leading Edge Skin • PA-15/17, PA-16	U13072-005	**$90.06**
Aileron False Spar Gusset • PA-15/17, PA-16	U13171-000	**$41.32**

Univair parts have been made in the USA since 1946

MADE IN THE USA

Strut Fork • J-4 ..... U13770-002A **$195.59**
Rear Spar Butt Hinge Fitting • PA-15/17, PA-16 ..... U14161-000 ..... **$39.95**
Rear Spar Lift Strut Fitting • PA-15/17, PA-16 ..... U14182-000 ..... **$39.07**
Strut Fitting • PA-15/17, PA-16 ..... U14192-000 ..... **$57.19**
#4, #5, #6 Drag Strut • PA-15/17, PA-16 ..... U14222-000 ..... **$192.72**
#2, #3 Drag Strut • PA-15/17, PA-16 ..... U14222-002 ..... **$185.52**
#1 Drag Strut • PA-15/17, PA-16 ..... U14232-002 ..... **$198.78**
Upper Pulley Bracket • PA-15/17, PA-16 ..... U14261-002 ..... **$88.07**
Rear Spar Lift Strut Filler Block • PA-15/17, PA-16 ..... U14271-000 ..... **$41.21**
Aileron Hinge Bracket Angle, Left • PA-15/17, 16 ..... U14291-000 ..... **$23.54**
Right ..... U14291-001 ..... **$23.13**
Drag Strut Reinforcement Angles • PA-15/17, PA-16
Front Spar #2 Drag Strut Reinforcement Angle ..... U14401-003 ..... **$26.11**
Front Spar #3 Drag Strut Reinforcement Angle ..... U14401-004 ..... **$14.49**
Front Spar #5 Drag Strut Reinforcement Angle ..... U14401-005 ..... **$27.08**
Rear Spar #2 Drag Strut Reinforcement Angle ..... U14411-002 ..... **$15.05**
Rear Spar #3 Drag Strut Reinforcement Angle ..... U14411-003 ..... **$19.06**
Rear Spar #5 Drag Strut Reinforcement Angle ..... U14411-004 ..... **$14.05**
Left Strut Front Spar Filler Block • PA-15/17, PA-16 ..... U14461-000 ..... **$56.02**
False Spar Brace • PA-15/17, PA-16 ..... U14541-000 ..... **$63.61**
#1 Drag Strut • J-5C ..... U14852-000 ..... **$508.46**
#3 Drag Strut • J-5C ..... U14862-000 ..... **$403.66**
#2 Drag Strut • J-5C ..... U14872-000 ..... **$181.35**
Leading Edge Cover • PA-15/17, PA-16 ..... U15472-002 ..... **$135.00**
Leading Edge Cover, Left • PA-15/17 ..... U15482-000 ..... **$202.22**
Center Leading Edge Cover, Right • PA-15/17 ..... U15482-001 ..... **$201.21**
Leading Edge Cover, Left • PA-16 ..... U15482-002 ..... **$265.60**
Leading Edge Cover, Right • PA-16 ..... U15482-003 ..... **$262.10**
Outboard Aileron Bay False Spar, Left • PA15/17, 16 ..... U15562-002 ..... **$85.16**
Right ..... U15562-003 ..... **$85.16**
False Spar, Left • PA-15/17, PA-16 ..... U15572-000 ..... **$72.74**
Right ..... U15572-001 ..... **$72.74**
Front Lift Strut Spacer • PA-15/17, PA-16 ..... U15631-002 ..... **$20.01**
Rear Left Strut Spacer • PA-15/17, PA-16 ..... U15631-003 ..... **$20.01**
Leading Edge Tip Cover, Left • PA-15/17, PA-16 ..... U15723-000 ..... **$315.28**
Right ..... U15723-001 ..... **$315.28**
Leading Edge Reinforcement • J-4, J-5, PA-15/17 ..... U15742-000 ..... **$50.38**
Leading Edge Reinforcement • PA-16 ..... U15742-002 ..... **$75.77**
Upper 'N' Brace Tube • J-5C, PA-15/17, PA-16 ..... U16462-000 ..... **$144.97**
Lower 'N' Brace Tube • J-5C, PA-15/17, PA-16 ..... U16472-000 ..... **$145.48**
Outboard False Spar, Left • J-5C ..... U16502-000 ..... **$101.02**
Right ..... U16502-001 ..... **$101.02**
Inboard False Spar, Left • J-5C ..... U16512-000 ..... **$146.91**
Right ..... U16512-001 ..... **$146.91**
Tip Bow Fitting • PA-15/17, PA-16 ..... U16551-000 ..... **$23.50**
Tip Bow Fitting • PA-15/17, PA-16 ..... U16601-000 ..... **$17.16**
Tip Bow Fitting • PA-15/17, PA-16 ..... U16611-000 ..... **$13.13**
Rib Repair Splice • J-4, J-5, PA-15/17, PA-16 ..... U16651-004 ..... **$12.88**
Elevator Pushrod Assembly • J-4, J-5 ..... U40001-000 ..... **$208.86**
Aileron Brace, Left • PA-15/17, PA-16 ..... U40581-002 ..... **$16.30**
Right ..... U40581-003 ..... **$20.95**
Pulley Housing • PA-15/17, PA-16 ..... U41291-000 ..... **$61.65**
Pulley Bracket • PA-15/17, PA-16 ..... U41421-000 ..... **$25.75**
Inboard/Outboard Aileron Hinge • PA-15/17, 16 ..... U41881-000 ..... **$91.18**
Uncovered Aileron Assembly, Left • PA-15/17, 16 ..... U42585-000 ..... **$1,707.17**
Right ..... U42585-001 ..... **$1,707.17**
Aileron Trailing Edge • PA-15/17, PA-16 ..... U42922-000 ..... **$38.86**
Trailing Edge • PA-15/17, PA-16 ..... U42933-000 ..... **$117.17**
Aileron Spar, Left or Right • PA-15/17, PA-16 ..... U42972-000 ..... **$101.73**
Rod End Bearing • J-4, J-5 ..... U452-335 ..... **$51.72**
Wingtip Bow • PA-15/17, PA-16 ..... U453-126 ..... **$50.86**
Wing Root Fairing, Bottom Front • J-5C, D ..... U60361-000 ..... **$29.44**
Top Wing Root Fairing, Left • J-5C, D ..... U60451-000 ..... **$72.37**
Right ..... U60451-001 ..... **$72.37**
Jury Strut Fairing • J-5 ..... U60722-000 ..... **$308.51**
Rib Diagonal Brace • J-4, J-5, PA-15/17, PA-16 ..... U750-287 ..... **$15.98**
Square Washer • J-4, J-5, PA-15/17, PA-16 ..... U81102-002 ..... **$6.74**
Tie Rod Clevis Square Washer • J-4, 5, PA-15/17, 16 ..... U81102-003 ..... **$5.05**
Rectangular Inspection Cover • PA-15/17, PA-16 ..... U82461-000 ..... **$19.87**
Wing Inspection Cover • PA-15/17, PA-16 ..... U82461-100 ..... **$15.19**

Aluminum Bearing Block Repair Kit **STC APPROVED**

Simple repair for most all fabric-covered Piper. Allows repair of bearing block on flap and aileron hinge, and avoids need to replace bearing blocks. Simple and practical repair. Kit includes bushings, clevis pins, reamer and adhesive.

- STC approved for use on Piper J-3, J-5, PA-11, PA-12, PA-14, PA-15, PA-16, PA-17, PA-18, PA-19, PA-20, PA-22, and PA-25
- Provide aircraft model, registration numbers, and serial number when ordering

Piper Bearing Block Repair Kit ..... STC-SA02128LA **$409.06**

Wing Spars **FAA-PMA APPROVED**

For PA-15 and PA-17
Rear Wing Spar, Left ..... U11515-002 ..... **$798.00**
Right ..... U11515-003 ..... **$798.00**
Front Wing Spar, Left ..... U11516-002 ..... **$971.25**
Right ..... U11516-003 ..... **$971.25**

For PA-16
Rear Wing Spar, Left ..... U11754-002 ..... **$798.00**
Right ..... U11754-003 ..... **$798.00**
Front Wing Spar, Left ..... U11753-002 ..... **$971.25**
Right ..... U11753-003 ..... **$971.25**

For J-5C (Metal Spars)
Rear Wing Spar, Left ..... U14823-002 ..... **$819.00**
Right ..... U14823-003 ..... **$819.00**
Front Wing Spar, Left ..... U14753-002 ..... **$1,000.65**
Right ..... U14753-003 ..... **$1,000.65**

Toll Free Sales: 1-888-433-5433
Shop Online: www.univair.com

One-Piece Stamped Aluminum Wing Ribs

FAA-PMA APPROVED

- Applicability: Piper J-5C, PA-15/17 and PA-16; FAA/STC approved
- Individual ribs and applicability charts start on page 135
- For replacement rib kits, see page 141

Drag Wires and Fittings

FAA-PMA APPROVED

Drag Wire, 48.875" • PA-15/17, PA-16	U14941-004	**$43.22**
Drag Wire, 49.125" • PA-15/17, PA-16	U14941-005	**$58.81**
Drag Wire, 45.19" • PA-15/17, PA-16	U14941-006	**$33.37**
Drag Wire, 56.75" • PA-15/17, PA-16	U14941-007	**$39.25**
Drag Wire, 44.875" • PA-16	U14941-011	**$121.42**
Drag Wire Fitting • J-5	U10161-002	**$17.24**
Drag Wire Fitting • J-5	U10161-003	**$17.24**
Drag Wire Fitting • PA-15/17, PA-16	U10161-004	**$17.24**
Drag Wire Fitting • PA-15/17, PA-16	U10161-005	**$17.24**
Drag Wire Fitting • J-5C	U10171-002	**$8.03**
Drag Wire Fitting • J-5C, PA-15/17, PA-16	U10171-003	**$8.03**
Drag Wire Fitting • PA-15/17, PA-16	U10171-004	**$8.03**

Lift Strut Hardware

FAA-PMA APPROVED

For Piper J-4, PA-15 and PA-17

Lift Strut Clevis Bolt	U82141-000	**$29.11**
Shear Castle Nut	AN320-5	**$1.00**
Cotter Pin (AN380-3-3)	MS24665-283	**$0.08**

For Piper J-5 and PA-16

Lift Strut Clevis Bolt	U13241-000	**$19.20**
Shear Castle Nut	AN320-6	**$1.00**
Cotter Pin (AN380-3-3)	MS24665-283	**$0.08**

Lift Strut Forks

FAA-PMA APPROVED

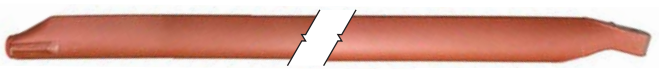
Univair lift strut forks are made from heat-treated stainless steel with rolled threads, are magnafluxed and have always complied with ADs 81-25-05 and 2015-08-04.

1) For PA-15/17, 5/8", with nut*	U1600-01	**$188.87**
1) For J-4, 5/8", with nut*	U1600-02	**$183.19**
2) For J-5, PA-16, 5/8", with nut*	U89201-003	**$164.19**
3) For PA-15/17, 3/8"	U11281-005	**$324.78**
4) For J-5, PA-16, 7/16"	U14481-003	**$130.37**

* Apply only to new sealed struts

Lift Struts

FAA-PMA APPROVED



Eliminate repetitive AD inspections of your struts and forks with Univair's new oiled and sealed lift struts. Complies with AD 2015-08-04. These struts include the new heavy duty, heat treated, magnafluxed 5/8" rolled thread strut fork and nut (see below).

Front Lift Strut • J-4	U85549-002	**$954.09**
Rear Lift Strut • J-4	U85550-002	**$925.59**
Front Lift Strut* • J-5	U85552-002	**$788.81**
Rear Lift Strut* • J-5	U85553-002	**$788.81**
Front Lift Strut • PA-15/17	U85556-002	**$951.24**
Rear Lift Strut • PA-15/17	U85557-002	**$936.99**
Front Lift Strut • PA-16	U85558-002	**$922.73**
Rear Lift Strut • PA-16	U85559-002	**$776.09**

* These struts are a larger cross section than the original J-5 struts. They will require larger jury strut clamps.

NOTES

PIPER PA-18 • PA-18A

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Many parts can be correctly identified by the nomenclature listed in this section. However, we suggest that you also have the correct parts manual for positive identification.

Brakes

Description	Part #	Price
Brake Pedal, Left	U10734-000	**$309.80**
Right	10734-001	**$187.10**
Inner Brake Pedal Block	41531-000	**$91.63**
Brake Reinforcement Channel	U12944-000	**$47.06**
Outer Brake Pedal Block	U41521-000	**$111.29**
Brake Pedal Stop Plate	U41561-000	**$30.68**
Brake Pedal Tie Rod	U41581-004	**$94.32**
Master Cylinder Diaphragm	U750-384	**$48.31**
Brake Lock Control Rod	U752-788	**$64.72**

Brake Master Cylinder

FAA-PMA APPROVED

For more details on master cylinders and wheel and drum assemblies, see the detailed illustration on page 298.

Left ..... U1248A **$1,493.93**
Right ..... U1260A **$1,493.93**

Univair Brake Pedal

FAA-PMA APPROVED

Univair has produced a master cylinder brake pedal that can be used on the Scott Master Cylinder on Piper J-3, PA-11, PA-12, and PA-18 aircraft. This pedal has a symmetrical design that replaces the separate left and right brake pedals (P/N 1712 and 1714).

This is a high quality part machined from a single billet of aluminum which eliminates any issues of voids associated with castings.

Brake Pedal, Left or Right ..... U1715A **$259.58**

Cleveland Conversion Kit

Convert from your Goodrich wheels and brakes to the new Cleveland Wheels & Brakes. Uses the 6.00 x 6 tires. FAA 337 or STC approval required for installation.

- Lines and fittings are not included in the kit. Please order separately below.
- Request the STC when you purchase this kit and we included it at no charge.

Cleveland Conversion Kit ..... 199-07100 ..... **$5,795.53**
STC, for 1¼" axle ..... STC-SA11RM-1.25 ..... **$145.44**
STC for 1½" axle ..... STC-SA11RM-1.5J **$145.44**

Installation may require:
Brake Line Assemblies (2 required) ..... U60703-002 ..... **$79.83**
90° Union Elbows (2 required) (558-819) ..... 502X4 ..... **$16.24**
90° Male Elbows (2 required) (460-677) ..... 402X4 ..... **$5.08**

All items above are priced and sold individually

Grove 800 x 4 Disk Brake Conversion

STC APPROVED

- For Goodrich wheels and brakes only
- Maintain your classic look
- Use your existing wheels, tires, tubes, master cylinder and brake lines
- Easy installation – all parts and special tools included

Grove Brake Conversion ..... 76002 ..... **$1,029.00**

Flexible Brake Line

FAA-PMA APPROVED

- From brake master cylinder to copper line on gear vee
- Length: 14.25"
- Hose Material: MIL-H-8794-4

Flex Brake Line ..... U71061-004 ..... **$242.55**

Cleveland Conversion Kit — STC APPROVED

- Heavy duty wheels and brakes for use with L1015 series landing gears with 1½" axles
- Includes 2 each of wheels and brakes

Kit ..... 199-23100.....**CALL**
STC Approval ..... STC-SA17RM.....**$190.19**

- Two each of the following axle spacers are required for proper installation – sold separately
- STC-SA17RM (above) required for installation

Axle Spacer, 1.26"..... U1105-06 ..... **$24.39**
Axle Spacer, 0.54"..... U1105-07 ..... **$37.47**

Cockpit • Interior

Decription	Part #	Price
Front Trim Strip	10049-002	$46.35
Cockpit Center Panel, Right	10930-000	$111.57
Cover Plate	11199-000	$51.80
Seat Spring Link	11420-003	$7.50
Stringer Spacer Plate, Left	11473-032	$4.81
Baggage Strap, Buckle End	12036-002	$21.97
Baggage Strap, Tip End	12036-003	$23.06
Rear Back Seat Frame Assembly	12244-000	$572.34
Rear Seat Bottom Canvas	12286-000	$56.29
Rear Seat Back Canvas	12287-000	$52.47
Cockpit Front Panel, Right	12311-000	$163.50
Control Stick Lock	12855-000	$47.88
Venturi Mount Plate	12876-000	$75.77
Front Shoulder Strap	13129-009	$221.61
Front Strap Bracket	13300-000	$209.77
Rear Seat Bottom Frame	13453-000	$580.68
Rear Seat Back Tube	13455-000	$90.58
Baggage Compartment Rear Panel	13471-002	$190.41
Baggage Compartment Rear Panel	13471-003	$177.81
Baggage Compartment Rear Panel	14221-000	$153.45
Control Stick Lock	14838-000	$400.30
Door Handle	50173-012	$17.58
Stabilizer Crank Lock Pin	81761-011	$11.11
Cowl Attach Angle	U10796-000	$40.18
Cowl Attach Angle	U10797-000	$50.77
Starter Button Placard	U11015-000	$19.11
Flap Handle Pawl	U11700-000	$28.85
Seat Release Lever	U12079-000	$92.42
Throttle Control Panel, Black	U12309-000BK	$472.80
Red	U12309-000RD	$472.82
Bare Aluminum	U12309-008	$270.27
Throttle Open/Closed Decal	U12309-101	$19.87
Throttle Panel, Left	U12314-000	$167.38
Cowl Attach Angle, Lower	U12379-000	$15.77
Cowl Attach Angle, Upper	U12379-002	$15.76
Cockpit Panel, Upper Right	U12618-000	$97.32
Cockpit Panel, Upper Right	U12618-002	$107.86
Cockpit Panel, Upper Right	U12618-003	$172.91
Cockpit Panel, Upper Right	U12618-004	$150.91
Flap Control Lever	U12774-000	$796.16
Flap Lever Ratchet	U12776-000	$48.71
Pulley Cover	U12810-000	$59.30
Fuselage Cowl Trim Plate	U13373-002	$34.34
Fuselage Cowl Trim Plate	U13373-003	$42.37
Fuselage Cowl Trim Plate	U13373-004	$53.42
Ventilator Screw	U13903-000	$6.92
Ventilator Gasket	U13914-000	$9.58
Brake Line Cover Plate	U14435-000	$119.13
Flap Lever Ratchet	U14904-000	$40.94
Magnetos Switch Panel, Black	U15299-001	$78.46
Red	U15299-002	$111.64
Flap Lever Spring	U50111-000	$4.22
Seat Base Adjusting Return Spring	U83302-013	$17.76

Instrument Installation

Vacuum Line Adapter (476-652)	AN840-6D	$11.96
Gyro Bushing (453-616)	AN912-1D	$8.04
Vacuum Line Elbow (458-903)	AN842-4	$52.00
Vacuum Line Elbow (458-893)	MS20822-3D	$18.78
Vacuum Line Plug (460-669)	3152X2	$1.42
Vacuum Line Elbow (458-920)	3400X2	$6.14
Venturi Tube Assembly	11987-015	$48.35
Turn and Bank Tube Assembly, S/N 1 to 3483	11987-043	$10.20
Instrument Panel, S/N 3771, 3781 and up	13684-000	$99.33
Air Regulating Valve Assembly	14205-000	$112.31
Instrument Panel, 150hp, S/N 8021 and up	15249-300	$523.57

Cockpit Control Installation

Airspeed Tube Assembly	10554-000	$18.41
Ignition Switch, Carburetor and Cabin Heat Panel Assembly		
Black (S/N 2191 and up)	10666-003	$285.75
Red (S/N 2191 and up)	10666-006	$285.75
Airspeed Indicator Tube	13541-004	$14.93
Oil Radiator Bracket Support Strap, 135hp	14054-000	$11.10
Ignition Switch Guard	15300-000	$48.47
Ignition Switch	487-823	$17.66
Carburetor and Cabin Heat Cable		
Front Bracket Assembly	U10780-000	$127.29
Throttle Control Cable, 95hp,		
Without Electrical System	U12694-000	$622.37
With Electrical System	U12694-002	$654.45
Throttle Control Cable, 125-150hp	U12694-003	$585.48
Carburetor Heat Control Cable, S/N 1 to 2190	U12955-000	$261.71
Push-Pull Control Cable, 65", Excludes Knob	U16775-000	$102.38
Throttle Control Lever	U41491-000	$85.45
Throttle Lever Connecting Link	U41551-000	$67.62
Cable Swivel Fitting	U70371-002	$18.28
Cable Stud Fitting	U70371-003	$29.12
Throttle Friction Lug	U81172-020	$9.46
Throttle Friction Washer	U81342-020	$3.65
Airspeed Hose	U83161-002	$7.77

Seat Kits

Front Seat Kit for 95hp ..... 12268-000-XK.... $3,492.31

Kit includes:

Front Seat Base, 95hp ..... U12268-000 ..... **$1,474.44**
Front Seat Frame ..... 12267-015 ..... **$2,086.26**
Front Seat Bottom Canvas ..... 12290-000 ..... **$58.94**
Front Seat Back Canvas ..... 12839-003 ..... **$53.79**

Front Seat Kit for 105-150hp..... 12268-011-XK.... $3,650.14

Kit includes:

Front Seat Base, 105-150hp ..... U12268-011 ..... **$1,640.57**
Front Seat Frame ..... 12267-015 ..... **$2,086.26**
Front Seat Bottom Canvas ..... 12290-000 ..... **$58.94**
Front Seat Back Canvas ..... 12839-003 ..... **$53.79**

PA-18 Blank Instrument Panel

8" high
CSI-1025 ..... **$116.28**
9" high
CSI-1028 ..... **$119.90**

Rear Seat Cross Bar

STC APPROVED

- Applicability: PA-18, PA-19
- Removable for easier loading of aircraft
- Installation does not require welding
- STC SA681AL

Removable Rear Seat Cross Bar ..... 3146 ..... **$470.00**

Knobs

FAA-PMA APPROVED

Black Throttle Knob ..... U10911-000 ..... **$13.71**
Ivory Door Knob ..... 471-051 ..... **$2.19**
Red Control Knob ..... 108-6221502-20 ..... **$7.70**

Control System

Description	Part #	Price
Upper Horn Link	U10449-000	**$37.70**
Stabilizer Trim Link Clamp	U10466-028	**$19.74**
Indicator Cover Plate, Black	U10936-000BK	**$79.66**
Red	U10936-000RED	**$79.66**
Flap Return Spring	U10940-000	**$37.01**
Bungee Spring	U10940-002	**$72.45**
Rudder Arm Assembly	U1140A-000	**$241.37**
Flap Push Pull Rod	U11677-000	**$71.41**
Flap Bellcrank Stop Plate	U11678-000	**$24.14**
Stabilizer Adjust Crankshaft Pin	U12105-000	**$49.62**
Cable Guard Bracket	U12241-000	**$35.85**
Elevator Cable Guard	U13298-000	**$168.82**
Front Control Stick Lower Stub	U13729-000	**$486.65**
Front Control Stick Top	U13731-002	**$239.62**
Rear Control Stick Top	U13731-003	**$210.35**
Front Control Stick Assembly	U13733-002	**$628.88**
Rear Control Stick Assembly	U13733-003	**$639.68**
Torque Tube	U13735-000	**$1,156.48**
Stabilizer Tube Yoke Link	U14180-002	**$343.50**
Flap Return Spring	U14384-000	**$34.39**
Heavy Duty Flap Return Spring	U14384-000HD	**$34.66**
Master Cylinder Brake Pedal, Left or Right	U1715A	**$259.58**
Torque Tube Horn Stop, Left	U20841-000	**$89.67**
Right	U20841-001	**$88.34**
Rudder Pedal Fitting	U24121-003	**$9.08**
Flap Control Bellcrank, Right	U40092-009	**$197.54**
Left	U40092-010	**$208.85**
Control Stick Connector	U40261-000	**$262.78**
Rubbing Block	U40721-000	**$49.42**
Cable Rub Plate	U40731-000	**$12.20**
Fitting Plate	U40821-003	**$14.15**
Rudder Pedal Spring	U40941-000	**$12.47**
Upper Tail Brace Wire	U41031-002	**$46.77**
Lower Tail Brace Wire	U41031-003	**$41.14**
Trim Crank Escutcheon	U41101-000	**$39.21**
Stabilizer Adjust Trim Crank	U41111-000	**$139.81**
Stabilizer Indicator	U41121-000	**$38.27**
Escutcheon Spring	U41151-000	**$10.63**
Elevator Horn Link	U41271-002	**$20.56**
Attach Shim	U41371-002	**$4.39**
Torque Tube Bearing Shim	U41371-005	**$13.14**
Stabilizer Indicator Wire	U42664-003	**$28.88**
Cable Fairlead	U42911-000	**$14.66**
Fin Leading Edge Fairing	U60602-000	**$138.78**
Elevator Horn Attach Bushing	U80012-017	**$14.01**
Long Bushing	U80022-044	**$1.40**
Short Bushing	U80022-045	**$1.76**
Square Washer	U81102-002	**$6.74**
Attach Link	U81262-008	**$13.56**
Aileron Control Attach Link	U81262-036	**$20.28**
Aileron Cable Link	U81352-011	**$11.51**
Bungee Control Cable Spring	U81411-002	**$44.58**

Control Cables

Visit our website for additional details on cables listed below.

Description	Part #	Price
Rudder Cable, 215⅛", Galvanized	10865-000	**$239.80**
Stainless	U10865-005	**$276.95**
Bungee Cable, 20⁹⁄₁₆", Galvanized	40123-066	**$36.11**
Stainless	U40123-066S	**$43.34**
Upper Elevator Cable, 158¹⁵⁄₁₆", Galvanized	U10870-007	**$197.49**
Stainless	U10870-016	**$195.42**
Lower Elevator Cable, 204⁵⁄₁₆", Galvanized	U10870-008	**$195.98**
Galvanized	10870-008	**$156.10**
Lower Elevator Cable, 204⁵⁄₁₆", Stainless	U10870-017	**$208.18**
Flap Cable, 105¾", Galvanized	U12794-000	**$156.93**
Stainless	U12794-004	**$184.05**

Flap Cable, Stainless	U13271-003	**$442.92**
Lower Elevator Cable, 204 15/16", Galvanized	U13745-000	**$262.78**
Stainless	U13745-003	**$308.98**
Aileron Cable (to Lower Horn), 167 15/16", Stainless	U14300-019	**$201.57**
Flap Cable, 35.0", Stainless	U14300-027	**$210.65**
Aileron Cable, 173 11/16", Stainless	U14300-028	**$186.54**
Aileron Cable (to Lower Horn), 167 15/16", Galvanized	U40123-003	**$158.09**
Stainless	U40123-003S	**$191.50**
Aileron Cable (to Upper Horn), 173 11/16", Galvanized	U40123-076	**$171.20**
Flap Cable, 35.0", Galvanized	U40123-077	**$190.48**
Stainless	U40123-077S	**$170.82**
Bungee Cable, 21 1/4", Galvanized	U40123-078	**$48.43**
Stainless	U40123-078S	**$47.68**
Bungee Cable, 20 1/2", Stainless	U40123-081	**$63.64**
Bungee Cable, 4 1/4", Stainless	U40123-088	**$87.02**
Bungee Cable, 21 1/4", Stainless	U40123-089	**$77.01**
Bungee Cable, 14 11/16", Stainless	U40123-092	**$101.81**
Stabilizer Adjust Cable, 310 5/8", Galvanized	U41671-013	**$341.72**
Stainless	U41671-015	**$344.03**
Stabilizer Adjustment Cable, 360.0", Galvanized	U41671-017	**$362.55**
Stainless	U41671-019	**$379.74**
Turnbuckle Fork, Special Length	U461-132	**$57.35**

Fairlead Halves and Snap Ring

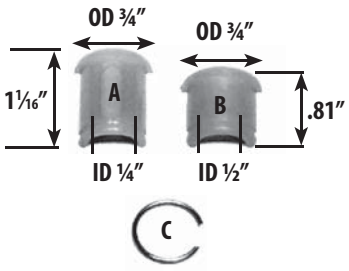
FAA-PMA APPROVED

- Fairlead halves are priced and sold individually

A) Long Fairlead Segment Half
U40701-000 ..... **$1.44**

B) Short Fairlead Segment, Half
U40071-000 ..... **$1.45**

C) Snap Ring
U40081-000 ..... **$0.54**



Liner Tubes

FAA-PMA APPROVED

Stabilizer Liner Tube, 16"
(80132-011) .....U86062-080..... **$142.85**
Stabilizer Rear Liner Tube, 8"
(80132-010) .....U86062-079..... **$107.66**

Rudder Pedals

Left .....U40842-004..... **$216.75**
Right.....U40842-005..... **$216.75**

Push-Pull Control Cable

FAA-PMA APPROVED

- 65" long, stainless steel, knob not included
- Used for mixture, cabin heat, carb heat and other applications

Push-Pull Control Cable..... U16775-000 ..... **$102.38**

Piper Pulleys

FAA-PMA APPROVED

Description	O.D.	I.D.	Part #	Price
1) Pulley (Fiber)	2¾"	⅜"	U40991-000	**$20.19**
2) Pulley (Fiber)	2¾"	5/16"	U41001-008	**$77.99**
3) Pulley (Fiber)	1¾"	¼"	U80421-000	**$13.64**
4) Pulley (Fiber)	1⅛"	¼"	U11200-000	**$18.34**
5) Pulley (Fiber)	1"	¼"	U43001-000	**$20.04**
6) Pulley (Aluminum)	2¾"	⅜"	U12983-000	**$76.27**
7) Pulley (Aluminum)	4"	⅜"	U11008-000	**$206.07**
8) Pulley (Aluminum)	4"	⅜"	U12982-000	**$155.10**

Stabilizer Yoke and Adjust Screw

FAA-PMA APPROVED

Stabilizer Adjust Yoke..... U42692-000 ..... **$318.63**
Stabilizer Adjust Screw..... U42961-102 ..... **$128.23**

Throttle Control Cables

FAA-PMA APPROVED

For PA-18 95hp, Without Electrical System
55" L, Stainless Steel
U12694-000 ..... **$622.37**

For PA-18 105-150hp Lycoming
55" L, Stainless Steel
U12694-003 ..... **$585.48**

Electrical System

Description	Part #	Price
Fuse Terminal Jumper	10438-000	**$17.64**
Insulator Strip	10443-000	**$25.36**
Battery Ground Cable	11122-002	**$33.16**
Solenoid to Starter Cable	11134-007	**$164.66**
Fuse Block	11718-000	**$67.94**
Starter Cable Cover	12021-000	**$38.61**
Battery Box Cover	12045-000	**$166.54**
Fuse Block	12156-000	**$53.51**

Price and availability subject to change without notice • Univair's Toll Free Sales: 1-888-433-5433

Solenoid to Fuse Block Wire	12177-017	**$15.29**
Voltage Regulator to Generator Wire	12177-022	**$22.58**
Tail Light Wire, Connector to Disconnect	12177-026	**$4.97**
Tail Light Wire, Disconnect to Rudder	12177-028	**$12.66**
Solenoid to Starter Switch Wire	12177-029	**$11.43**
#41 Jumper Wire	12177-032	**$11.66**
Outboard Light Grounding Wire	12177-033	**$15.29**
Solenoid to Starter Switch Wire, 95hp	12177-040	**$14.89**
Disconnect to Panel Unit Wire	12177-067	**$9.77**
Wing Unit Wire	12177-068	**$15.29**
Ground Wire	12177-069	**$8.27**
Ammeter Wire Assembly	12177-071	**$20.24**
Solenoid to Starter Switch Wire, 125-135hp	12177-088	**$13.22**
Battery Box Lid	12280-000	**$143.72**
Landing Light Mounting Plate	12527-000	**$137.64**
Battery Access Door	12913-000	**$183.71**
Fuse Block Assembly	13051-000	**$82.36**
Battery Door Frame	13179-000	**$270.05**
Battery Box Assembly	13182-000	**$551.07**
Fuse Block Mounting Panel	13292-000	**$114.50**
Battery Vent Outlet Tube	13586-002	**$3.58**
Battery Box	14064-000	**$621.29**
Battery Box Cover	14065-000	**$311.34**
Battery Air Intake Tube	14066-000	**$92.63**
Battery Terminal Bolt	14069-000	**$48.03**
Battery to Solenoid Cable	14224-002	**$56.10**
Magneto Filter Box	14311-018	**$725.66**
Angle Mounting Bushing	14843-002	**$64.62**
Master Switch Panel, Black	15066-000	**$92.99**
Electric Panel, Black	15067-000	**$1,548.15**
Cockpit Panel, Upper Left Trim	15271-003	**$163.39**
Fuel Gauge Circuit Breaker Plate	15275-000	**$30.66**
Solenoid Mounting Plate	15491-002	**$37.02**
Battery Ground Cable	17604-009	**$69.13**
Battery Vent Outlet Tube	22369-023	**$11.21**
Ignition Switch	487-823	**$17.66**
Navigation Light Wire, Left or Right	U10128-028	**$39.21**
Landing Light Wire, Inboard	U10128-093	**$28.44**
Navigation Light Wire Clip	U11061-000	**$8.53**
Landing Light Aiming Bracket	U12524-003	**$22.67**
Landing Light Mounting Plate	U12527-003	**$142.99**
Landing Light Reinforcement Plate	U12529-002	**$31.77**
Landing Light Reinforcement Plate	U12529-003	**$38.27**
Landing Light Lens Attach Strip	U12533-002	**$6.26**
Side Attach Strip	U12533-003	**$9.11**
Wing Navigation Light Bracket	U12560-000	**$151.75**
Battery Access Door	U13180-000	**$177.40**
Positive Terminal Insulation Strip	U14070-000	**$57.40**
Terminal Bolt Assembly	U14225-000	**$92.33**
Landing Light Lens Attaching Strip	U14787-003	**$16.39**
Cockpit Panel, Upper Left Trim	U15271-002	**$46.75**
Terminal Bolt Attach Washer	U81342-056	**$4.87**

Concorde Batteries

- Applicability: Piper PA-18, PA-18A, PA-19
- Valve regulated sealed lead acid batteries

12 Volt, 22 Amp Hour	RG-25	**$368.00**
12 Volt, 24 Amp Hour, Extra Capacity	RG-25XC	**$429.00**
12 Volt, 29 Amp Hour	RG-35A	**$479.00**
12 Volt, 33 Amp Hour, Extra Capacity	RG-35AXC	**$512.00**

Clear Landing Light Lenses

Lens, 14" long	12532-000	**$83.16**
Lens, 13.75" long	12532-003	**$103.95**

Starter Solenoids

FAA-PMA APPROVED

This FAA-PMA approved solenoid is a 6 volt unit. It is a direct replacement for the original Piper solenoid. The 6 volt unit has larger contacts than a 12 volt unit thus providing a longer service life. The existing wiring is adequate for a 12 volt electrical system using this solenoid.

Starter Solenoids

With 5/16" Terminals	U487-149	**$118.34**
With 3/8" Terminals	487-163	**$77.42**

Master Relay with Negative Polarity

Power Relay	484-373	**$54.03**

Sealed Beam Bulb Unit

- For all popular aircraft landing lights
- 13 volts

Sealed Beam Bulb	4509	**$21.84**
Halogen Unit	Q4509	**$27.12**

Landing Light Kit

Piper PA-18 • 105-135hp
S/N 1 to 3770, 3772 to 3780
752-176 **$1,773.26**

Piper PA-18 • 135-150hp
S/N 3771, 3781 and up
754-053 **$1,669.57**

We stock thousands of quality FAA-PMA approved and original Piper parts specifically for the Piper J-3, J-4, J-5, PA-11, PA-12, PA-14, PA-15, PA-16, PA-17, PA-18, PA-20, PA-22, and PA-25. Univair has the largest inventory of parts in the world for these aircraft.

Engine • Cowling

Description	Part #	Price
Aero Classics Oil Cooler	8000074	$405.93
Aero Classics Oil Cooler	8000328	$778.33
Rear Baffle Support Bracket	10175-000	$72.91
Intercylinder Baffle Hanger Support	10415-003	$42.72
Flexible Hose, Shroud to Carburetor Air Box	10525-005	$36.76
Flexible Hose, Cabin Heat	10525-006	$15.69
Hose, Tailpipe Shroud to Carburetor Air Box	10525-015	$35.15
Hose, Exhaust Stack Shroud to Muffler Shroud	10525-019	$77.01
Cowl Support Tube, Right	10817-002	$23.68
Left	10817-003	$17.44
Rear Side Baffle Assembly, Left	10830-000	$76.14
Right	10830-005	$81.45
Front Side Baffle, Right	10832-000	$108.79
Left	10835-000	$86.23
Inner Cylinder Baffle	10922-000	$16.00
Support Bracket, Front Left	11278-000	$12.06
Support Bracket, Rear Left	11279-000	$11.04
Support Bracket, Rear Right	11279-002	$8.93
Support Bracket, Rear Left	11279-003	$18.87
Support Bracket, Rear Right	11279-004	$8.27
Baffle Assembly, Left Front	11282-000	$105.65
Baffle Assembly, Right Front	11283-000	$63.86
Baffle Assembly, Rear Center	11329-000	$83.74
Baffle Assembly, Rear Left	11797-005	$185.31
Baffle Assembly, Rear Left	11797-006	$185.31
Carburetor Air Box	11950-007	$1,088.40
Engine Oil Well Baffle Assembly	11951-007	$123.98
Engine Breather Tube	11957-000	$42.43
Cabin Heat Box	12315-000	$432.12
Baffle Assembly, Right Rear	12319-000	$465.40
Baffle Assembly, Right Rear	12319-006	$438.71
Cowl Support Tube	12350-000	$91.59
Baffle Assembly, Right Rear	12367-000	$310.52
Baffle Assembly, Right Rear	12367-006	$366.52
Baffle Assembly, Rear Left	12368-005	$366.52
Rear Side Baffle Assembly, Right	12424-000	$170.91
Front Side Baffle Assembly, Right	12425-000	$117.36
Front Side Baffle Assembly, Left	12426-000	$176.10
Rear Side Baffle Assembly, Left	12427-000	$158.16
Baffle Assembly, Left Front	12428-000	$386.31
Baffle Assembly, Left Front	12428-004	$360.83
Inside Firewall Plate	12440-000	$54.75
Baffle Assembly, Front Right	12749-000	$255.31
Baffle Assembly, Front Right	12749-005	$252.76
Support Bracket, Front Right	13010-000	$6.14
Baffle Assembly, Rear Left	13744-000	$402.81
Bracket Support Strap	14054-000	$11.10
Oil Cooler Inlet Line, Right	14366-000	$441.62
Engine Mount Stop Cable	14419-000	$126.79
Oil Separator Discharge Tube	14420-000	$46.06
Line Support Bracket, Oil Radiator	14549-000	$97.06
Baffle Reinforcement Bracket	15019-000	$48.91
Carburetor Air Box	15087-004	$1,222.23
Baffle Reinforcement Plate	15158-000	$55.81
Hose Clamp	454-877	$4.79
Vacuum Check Valve	492-029	$115.26
Throttle Control Clamp	70801-000	$95.90
Baffle Tie Rod	71451-003	$66.36
Intercylinder Tie Rod, Front	71451-008	$5.69
Intercylinder Tie Rod, Inner	71451-010	$63.90
Intercylinder Baffle	74912-000	$49.44
Oil Pressure Line Clamp, at Magneto	U80002-003	$21.75
Throttle Control Spacer Bushing	80022-068	$14.89
Oil Pressure Tube, Non-Flexible	82332-026	$89.15
Flexible Hose, Engine Breather Line	82371-056	$33.62
Cowl Fastener Receptacle	130175-6P130	$6.46
Tailpipe Support Clamp, Top	U10466-021	$37.52
Tailpipe Support Clamp, Bottom	U10466-033	$39.12
Tie Rod	U10487-000	$21.56
Baffle Hanger Support	U10920-000	$25.39
Outer Intercylinder Baffle	U10923-000	$30.58
Cabin Heat Box	U12315-000	$432.12
Cabin Heat Box	U12353-000	$424.06
Baffle Assembly, Rear Left	U12368-000	$554.28
Throttle Control Clamp	U12408-000	$111.28
Side Cowl Support Tube	U12414-000	$74.04
Vent Plate, Without Oil Drain Hole, Left	U12540-000	$63.90
Vent Plate, With Oil Drain Hole, Right	U12540-002	$70.11
Carburetor Air Box Scoop, Square Type	U12543-002	$80.31
Throttle Control Cable, No Electrical System	U12694-000	$622.37
Throttle Control Cable, With Electrical System	U12694-002	$654.45
Throttle Control Cable	U12694-003	$585.48
Carburetor Heat Control Cable	U12955-000	$261.71
Oil Quick Drain Valve	U12956-004	$225.66
Oil Radiator Mounting Bracket, Right	U13720-000	$391.72
Oil Radiator Mounting Bracket, Right	U13720-004	$332.27
Oil Radiator Mounting Bracket, Left	U13725-000	$639.26
Oil Radiator Mounting Bracket, Left	U13725-007	$654.54
Baffle Assembly, Right Front	U14439-000	$290.63
Baffle Assembly, Right Front	U14439-007	$308.07
Baffle Assembly, Left Front	U14440-000	$281.20
Engine Breather Tube	U14441-000	$216.67
Front Side Engine Baffle, Left	U14452-000	$167.54
Rear Side Engine Baffle, Right	U14455-000	$124.08
Front Side Engine Baffle, Right	U14456-000	$161.66
Rear Side Engine Baffle, Left	U14457-000	$131.10
Rear Engine Baffle, Right	U14458-000	$476.85
Rear Engine Baffle, Right	U14458-005	$678.04
Rear Engine Baffle, Left	U14467-000	$521.63
Rear Engine Baffle, Left	U14467-005	$562.65
Rear Engine Baffle, Left	U14467-007	$583.43
Carburetor Air Box	U15005-000	$1,227.87
Carburetor Air Filter Dome	U15007-000	$111.56
Carburetor Air Outside Scoop	U15009-000	$224.16
Flexible Oil Pressure Hose	U15216-000	$336.72
Front Right Baffle Assembly	U15529-002	$318.09
Primer Jet	U31197-000	$72.82
Throttle Arm	U41491-000	$85.45
Throttle Lever Connector Link	U41551-000	$67.62

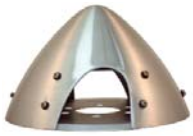
Tailpipe Support Clamp, Bottom ..... U80002-020 ..... **$30.75**
Air Intake Tube Clamp ..... U80002-062 ..... **$8.60**
Flex Tube Clamp ..... U80222-032 ..... **$26.24**
Mixture Control Cable Link ..... U81262-019 ..... **$6.25**

Piper Spinners

FAA-PMA APPROVED

- Applicability: Piper PA-18-150
- Use with DM series Sensenich propellers and GM series McCauley propellers

Spinner Dome ..... U14422-000 ..... **$569.17**
Front Plate ..... U14426-000 ..... **$208.86**
Back Plate ..... U14424-000 ..... **$272.32**
Complete Assembly ..... U14422-A **$844.05**



- Applicability: Piper PA-18 with O-235 or O-290 engines and AM series Sensenich propellers

Spinner Dome ..... U13661-000 ..... **$438.10**
Front Plate ..... U13664-000 ..... **$187.65**
Back Plate ..... U13663-000 ..... **$202.29**
Complete Assembly ..... U13661-A **$769.18**

Engine Mounts

FAA-PMA APPROVED

C-90 Continental ..... U12209-000 ..... **$1,642.18**
125hp Lycoming ..... U12351-011 ..... **$1,285.37**
105hp, 135hp Lycoming..... 12351-012 ..... **$682.19**
150hp Lycoming* ..... U12351-015 ..... **$1,064.69**

* Complies with AD 72-01-07

Lower Cowl Assembly

FAA-PMA APPROVED

135hp
S/N 3014 to 4617 ..... U13769-003 ..... **$1,378.79**

150hp
S/N 3771 to 6963 ..... U13769-005 ..... **$1,713.56**
S/N 6964 and up ..... U15012-000 ..... **$1,713.56**

Muffler Wire Bail

FAA-PMA APPROVED

Welded inside muffler outlet to guard against flame tube failure and obstruction of exhaust outlet.

Muffler Wire Bail ..... U452-093 ..... **$56.67**

Winterization Plate

- Applicability: Piper PA-18, -18A
- FAA-PMA approved

U14793-000 ..... **$128.49**

Tachometer Cables

FAA-PMA APPROVED

PA-18, Non-Recording, 35" ..... TACH-35NR **$169.79**
PA-18, Non-Recording, 34" ..... U1713-N340 ..... **$175.30**
PA-18, Recording, 25" ..... U1713-R250 ..... **$155.45**
PA-18, Recording, 32.5" ..... U1713-R325 ..... **$175.30**
PA-18, Recording, 35" ..... U1713-R350 ..... **$175.30**
PA-18, Non-Recording, 25" ..... TACH-25NR **$149.94**
PA-18, Non-Recording, 28" ..... TACH-28NR **$149.94**
PA-18, Non-Recording, 33" ..... TACH-33NR **$169.79**
PA-18, Recording, 34" ..... TACH-34 ..... **$169.79**

Top Cowl

FAA-PMA APPROVED

105hp ..... U12356-000 ..... **$403.88**
125hp, 135hp, 150hp..... U12356-003 ..... **$361.63**

Flexible Oil Pressure Hose

FAA-PMA APPROVED

U71061-000 ..... **$158.13**

Lycoming Powered Nose Cowls

Part #	Starter Hole 2.875"	Oil Cooler Scoop	Prop Hole		Engine HP	Approval
			8.75"	6.13"		
U13716-000 **$2,279.58**	X	X	X		135 & 150	FAA-PMA
13716-000S **$1,988.73**		X	X		135 & 150	Field
12355-500 **$2,131.65**			X		135-180*	Field
U12355-004 **$1,640.21**				X	105-125	FAA-PMA
U12355-000 **$2,131.65**	X		X		105-125	FAA-PMA

* With baffle mounted oil cooler

Toll Free Sales: 1-888-433-5433
Shop Online: www.univair.com

Cowling

• Part numbers beginning with 'U' are FAA-PMA approved

Side Cowl, Right	U10810-007	**$487.00**
Left	U10810-008	**$487.00**
Side Cowl (use with shielded ignition leads), Right	U10810-015	**$683.01**
Left	U10810-016	**$683.01**
Nose Cowl, Screw Type Fastener	U10802-000	**$1,955.53**
Lion Type Fastener	U10802-005	**$1,554.28**
Top Cowl	U10808-003	**$211.01**
Bottom Cowl	U10809-010	**$479.76**
Cowl Mounting Top Bracket (Machine Screws)	U10814-004	**$128.64**
Cowl Mounting Top Bracket (Lion Fasteners)	10814-005	**$40.36**
Cowl Mounting Bracket, Left	10815-006	**$83.94**
Right	10815-007	**$83.94**
Bottom Cowl (Machine Screws)	U10809-008	**$420.72**
Fuselage Cowl, 95hp, S/N 1 to 5933	U10789-002	**$1,852.59**
Fuselage Cowl, 135-150hp, S/N 2168 to 8019	U12381-002	**$1,899.35**
Fuselage Cowl, 150hp, 9" panel, S/N 8020 and up	U14849-000	**$1,757.05**
Fuselage Cowl, 105-135hp, S/N 1 to 2167	U12381-000	**$1,888.89**
Fuselage Cowl, 150hp, S/N 8020 and up	U14849-002	**$2,029.92**
Side Cowl, 105hp, Left	U12358-000	**$628.67**
Right	U12358-001	**$628.67**
Side Cowl, 125-150hp, Left	U13029-000	**$844.44**
Right	U13029-001	**$805.51**

Baffle Kits

• The kits below exclude intercylinder baffles and tie rods

Kit for 105hp PA-18	PA-18-105BK	**$1,941.89**
Kit for 125hp PA-18	PA-18-125BK	**$1,941.89**
Kit for 135hp PA-18	PA-18-135BK	**$1,941.89**

• The 150hp kit below includes intercylinder baffles, tie rods, hooks and retainer
• Please indicate the amp capacity of the generator when ordering

Kit for 150hp PA-18	PA18BAFFLE	**$3,147.21**

Air Filters

1) For 95hp, 105hp, 125hp (40599)	600314	**$109.99**
2) Original Paper Type Filter (150hp, S/N 6964 and up)	U454-118	**$85.96**
3) For 135hp, 150hp (also for seaplane)	120086	**$101.76**

Exhaust Systems

FAA-PMA APPROVED

PA-18 125, 135, 150hp Exhaust System

Muffler Shroud, 105-135hp (Original Piper)	12436-000	**$351.51**
Muffler Assembly 105 to 150hp, Less Shroud, Includes Bail	U12433-015	**$1,324.84**
Muffler Shroud, 150hp	U12436-010	**$583.08**
Front Exhaust Stack Assembly	U12457-012	**$1,317.81**
Rear Exhaust Stack Assembly	U12457-013	**$1,377.15**
Muffler Clamp, S/N 3014 to 3780 (2 required)	U14235-000	**$39.90**
Front Exhaust Shroud Assembly	U14239-000	**$300.32**
Muffler and Shroud Assembly	U14434-002	**$2,491.15**
Muffler Clamp, S/N 1 to 3013 (2 required)	U70591-002	**$38.16**
Muffler Shroud Clip (for 12436-000/-010)	U71261-005	**$53.98**
Front Exhaust Stack Shroud Clip (for 14239-000)	U71261-007	**$64.51**

PA-18 95hp Exhaust System

Upper Left Exhaust Shroud	U10764-000	**$194.10**
Lower Left Exhaust Shroud	U10843-000	**$292.98**
Upper Right Exhaust Shroud	U10845-000	**$195.79**
Lower Right Exhaust Shroud	U10846-000	**$279.66**
Muffler Shroud Assembly	U12226-000	**$713.61**
Left Exhaust Stack and Muffler Assembly	U12232-000	**$2,861.32**
Right Exhaust Stack Assembly	U12233-000	**$1,606.59**
Muffler Clamp (2 required)	U70591-002	**$38.16**

Flexible Ducting Kit

• Applicability: Piper PA-18, S/N 3014 and up with Lycoming engines

PA-18 Ducting Kit	PA18DUCT	**$212.24**

Frame

Description	Part #	Price
Brake Unit Support Channel	J10134-000	**$30.64**
Throttle Bracket Assembly	10565-000	**$207.59**
Baggage Compartment Support Angle, Rear	11408-012	**$29.68**
Baggage Compartment Support Angle, Right	11408-013	**$17.94**
Left	11408-014	**$32.95**

Front Rear Seat Bottom Tube	12178-002	**$139.87**
Fuel Shut-Off Valve Mounting Plate	12835-000	**$32.20**
Air Vent Control Arm	13483-000	**$83.27**
Rubber Moulding, 2 Feet	U19657-000	**$23.07**
Aileron Pulley Plate, Left	20951-000	**$14.73**
Right	20951-001	**$14.73**
Torque Tube Bearing Cap	21811-003	**$211.54**
Lower Stabilizer Screw Bearing	80022-020	**$13.90**
Tail Tie Rod Attach Fitting	80292-015	**$20.41**
Front Bottom Window Channel, Left	J10061-000	**$26.80**
Elevator Cable Pulley Bracket	J12179-000	**$32.56**
Fuel Shut-Off Valve Mounting Bracket	J14308-000	**$37.02**
Lifting Handle	J20652-000	**$64.10**
Stabilizer Adjust Crank Bracket, Left or Right	J21571-000	**$16.00**
Front Seat Installation Clamp	U10466-009	**$61.44**
Cable Pulley Bracket	U11692-002	**$19.69**
Rear Wing Hinge Fitting, Left	U11821-000	**$50.90**
Right	U11821-001	**$50.90**
Landing Gear and Lift Strut Fitting, Left or Right	U12184-002	**$284.72**
Front Wing Hinge Fitting, Left	U12767-000	**$177.49**
Right	U12767-001	**$177.49**
Side Panel, Left	U12818-000	**$95.19**
Right	U12818-001	**$95.19**
Stringer Attach Clip	U20391-000	**$3.84**
Tailwheel Spring 'U' Attach Fitting	U20631-000	**$48.16**
Torque Tube Horn Stop, Left	U20841-000	**$89.67**
Right	U20841-001	**$88.34**
Pulley Housing Plate, Left	U20961-000	**$32.06**
Right	U20961-001	**$14.11**
Stabilizer Rear Support Assembly	U21161-000	**$262.77**
Landing Gear Front Fitting	U21272-002	**$195.80**
Landing Gear Front Fitting	U21272-003	**$248.77**
Tail Post Assembly	U22412-000	**$194.44**
Front Rudder Pedal Fitting	U24121-002	**$9.08**
Rear Rudder Pedal Fitting	U24121-003	**$9.08**
Short Fairlead Segment, Half	U40071-000	**$1.45**
Fairlead Snap Ring	U40081-000	**$0.54**
Long Fairlead Segment, Half	U40701-000	**$1.44**
Stabilizer Yoke Inspection Cover, Left	U60571-000	**$29.46**
Right	U60571-001	**$29.46**
Tail Inspection Plate, Left	U60742-000	**$42.37**
Right	U60742-001	**$42.37**
Aileron Pulley Cover	U60752-000	**$72.51**
Front Seat Rear Attach Clamp	U81332-009	**$24.65**
Engine Mount Bulkhead Bushing	U82341-002	**$41.36**
Rectangular Inspection Cover	U82461-000	**$19.87**
Adjustable Stop Screw	U85061-000	**$12.82**

Top Deck Sections

FAA-PMA APPROVED

PA-18 Top Deck Super Structure
U752-979 ..... **$995.35**

PA-18 Top Deck Assembly
U752-978 ..... **$2,503.41**

Piper Window Ventilator Kit

FAA-PMA APPROVED

- See our website for a list of all parts included in this kit

U752-287 ..... **$249.15**

Door Parts

Door Rubber Seal (priced per foot)	187-610	**$1.41/ft**
Door Assembly, Front Trim Strip	10049-002	**$46.35**
Lower Door Hinge Half	U10300-002	**$15.98**
Door Enclosure Upper Top Channel	U12205-002	**$29.27**
Door Enclosure Lower Front Channel	U12205-003	**$43.34**
Door Enclosure Lower Rear Channel	U12205-004	**$34.98**
Door Enclosure Upper Rear Channel	U12205-005	**$37.25**
Door Rear Stop Assembly	21752-002	**$78.10**
Door Plunger Assembly	U50131-000	**$96.34**
Door Handle	50173-012	**$17.58**
Lower Door Weatherstrip		
Red	52841-019	**$16.50**
Red and White	52841-022	**$9.34**
Door Latch Kit	U52745-000	**$5.59**
Door Hinge Pin	U86092-015	**$9.82**

Window Channels and Trim

Rear Window Channel	U10058-000	**$139.81**
Sliding Window Parts –		
Front and Rear Weatherstrip Channel	U11432-009	**$44.91**
Top Weatherstrip Channel	U11432-010	**$60.47**
Bottom Weatherstrip Channel	U11432-011	**$58.08**
Bottom Channel	U11546-002	**$89.47**
Channel Weatherstrip Edge	U11648-002	**$100.94**
Bottom Channel	U12203-000	**$66.28**
Exterior Trim Strip	12259-000	**$79.03**
Interior Trim Strip	U13091-000	**$76.61**
Window Channel	U12205-006	**$26.51**
Window Channel	U12206-000	**$37.85**
Windshield Interior Trim Strip, Left	12261-000	**$35.01**
Windshield Exterior Trim Strip, Left	12264-000	**$22.56**
Right	12264-001	**$21.29**
Top Deck Window Trim Strip	12265-000	**$32.77**
Windshield Front Strip, 95hp only	U10793-000	**$149.65**
Windshield Channel, Left	U12202-000	**$66.28**
Front Windshield Strip	U12377-000	**$178.28**
Rear Windshield Strip	U12378-000	**$171.76**

Firewall Frame Bulkhead

FAA-PMA APPROVED

- Front door post to firewall

U751-376 ..... **$1,584.79**

Reinforcement Patches

FAA-PMA APPROVED

- Made of black vinyl
- #1 and 2 are approximately 4.5" high by 2" wide
- #3 is approximately 2 9/16" high by 2" wide

1) U60863-003 ..... **$4.57**
2) U60863-005 ..... **$10.12**
3) U60863-009 ..... **$12.37**

Extruded Metal Stringer Blanks

- Stringer blanks can only be shipped via motor freight

Bottom Stringer, 162",
1 required per aircraft (14978-000)
1232-162 ..... **$75.41**

Top Stringer, 120",
1 required per aircraft (14983-003)
1232-120 ..... **$61.47**

Side Stringer, 157",
2 required per aircraft (14979-000) ..... 1231-157 ..... **$37.71**

Top Side Stringer, 109",
2 required per aircraft (14984-002) ..... 1232-120 ..... **$61.47**

Steel 'U' Channels • 6 Foot Length

1/4" x 1/4" Channel (750-284)	X141472	**$8.26**
3/8" x 3/8" Channel, 24 gauge	U750-285	**$12.87**
3/8" x 3/8" Channel, 20 gauge	U750-285HD	**$13.65**
1/2" x 1/2" Channel	X121272	**$34.09**
3/4" x 1/2" Channel	X341272	**$33.29**
5/8" x 1/2" Channel	X581272	**$33.85**

Piper Grommets

1) Grommet, Tail	U10292-000	**$14.33**
Aluminum Grommet	10292-000A	**$14.40**
2) Grommet	U10984-000	**$20.62**
3) Grommet	U85012-049	**$5.63**
4) Grommet	80122-051	**$4.37**
Grommet (Generic)	483-15	**$2.04**
5) Grommet, Inspection Plate	U85012-078	**$9.91**
6) Grommet, Strut	U15761-000	**$9.61**
7) Grommet, Tail (used on PA-25 and later PA-18's)	U64834-000	**$39.07**
8) Grommet, Tail	U10293-000	**$11.81**
Aluminum Grommet	10293-000A	**$13.71**
9) Grommet	U80541-002	**$16.33**
10) Grommet, Pulley Cover	U60671-000	**$12.81**

Agricultural Equipment

Reducing Nipple	476-657	**$1.61**
Cowl Support Clamp	U80002-027	**$25.78**
Connecting Hose	82371-029	**$12.39**

Fuel System

Description	Part #	Price
Primer Line, 150hp	10143-018	**$74.32**
Long Primer Line, 105hp, 125hp, 135hp	10143-020	**$39.68**
Fuel Line	10143-052	**$23.34**
Short Primer Line, 105hp, 125hp, 135hp	10143-061	**$35.15**
Primer Outlet Line, 105hp, 125hp, 135hp, 150hp	10143-063	**$71.25**
Primer Line, 150hp	10143-091	**$82.76**
Primer Line, 150hp	10143-095	**$82.76**
Front Baffle Hanger Support	10415-002	**$37.78**
Fuel Line	10729-000	**$76.19**
Fuel Line	10729-003	**$114.66**
Header Tank Clamp, Left	11299-002	**$113.88**
Right	11299-006	**$149.53**
Fuel Line	11301-000	**$11.85**
Fuel Line, S/N 1 to 3013	U11973-005	**$140.92**
Primer Line, 105hp, 125hp, 135hp	11987-009	**$28.44**
Fuel Line, S/N 1 to 3013	11987-013	**$126.87**
Vent Line, S/N 1 to 3013	11987-017	**$68.18**
Vent Line, S/N 469 and up	11987-023	**$43.26**
Tube Hose to Strainer, Left Tank, S/N 469 and up	11987-025	**$30.15**
Fuel Line	11987-037	**$89.61**
Vent Line	11987-039	**$48.83**
Primer Line, 150hp	11987-061	**$56.92**
Rear Header Tank Clamp, Left	12836-002	**$100.91**
Right	12836-003	**$131.08**
Primer Line Support Bracket	12870-000	**$24.93**
Fuel Line, PA-18A, S/N 3014 and up	14203-000	**$30.00**
Vent Line, Right, S/N 3014 and up	14207-000	**$104.80**
Fuel Line, Right, S/N 3014 and up	14208-000	**$118.34**
Fuel Line, S/N 3014 and up	14209-004	**$147.06**
Primer Line Attach Clamp	18307-000	**$39.83**
Primer Inlet Line, 95hp	71242-008	**$51.39**
Primer Outlet Line, 95hp	71242-009	**$60.42**
Fuel Tank Filler Cap Flange	74181-000	**$54.65**
Fuel Line Washer at Firewall	80122-067	**$8.41**
Rubber Airspeed Hose, 4" long	U83161-002	**$7.77**
Primer Line Insulator Sleeve	90797-002	**$2.52**
Fuel Tank Strap	U10648-003	**$57.28**
Fuel Tank Strap	U10649-003	**$95.98**
Fuel Tank Strap	U10650-002	**$76.98**
Fuel Tank Brace Cover	U11034-000	**$24.12**
Fuel Line	U11300-000	**$213.68**
Fuel Line	U11300-003	**$198.87**
Header Tank Vent Line	U14204-000	**$119.65**
Mounting Bracket For Primer Tees	U14470-000	**$10.64**
Primer Jet	U31197-000	**$72.82**

Toll Free Sales • 1-888-433-5433

Engine Primer Pump	U451-100	**$462.19**
Gascolator Mounting Bracket	U71991-000	**$94.36**
Fuel Tank Strainer	U72091-000	**$76.36**
Primer Pump Bushing	U80012-065	**$16.29**
Primer Line Clamp	U80032-069	**$31.43**
Fuel Tank Strap Stud	U80111-000	**$26.52**
Fuel Tank Filler Neck Grommet	U80122-048	**$9.61**
Flexible Fuel Line Hose, 3.75" L	U82371-004	**$21.65**
Flexible Fuel Hose, At Tank, 6" L	U82371-006	**$32.84**
Flexible Hose, 4" L	U82371-007	**$23.30**
Fuel Tank Hose, 6" L	U82371-010	**$32.33**
Fuel Tank Hose, Upper, 6.25" L	U82371-031	**$33.56**
Vacuum Hose, 18" L	U82371-033	**$57.61**
Fuel Line Hose, 2.75"	U82371-036	**$41.34**

Fuel Tanks

Original Piper (Reconditioned)

Left Fuel Tank, PA-18, 95hp
10849-000REC **$1,846.72**

New FAA-PMA • 18.5 gallon capacity

Left Fuel Tank	U10849-000	**$2,527.34**
Right Fuel Tank	U10849-025	**$2,320.87**
Left Fuel Tank, S/N 469 and up	U10849-032	**$2,273.86**
Right Fuel Tank, For Use With Electric Fuel Gauge	U10849-043	**$2,320.87**
Left Fuel Tank, For Use With Electric Fuel Gauge	U10849-034	**$2,320.87**
Fuel Tank Cover, S/N 469 and up	U12570-009	**$383.28**

Heavy Duty Vented Header Tanks

FAA-PMA APPROVED

- Heavy duty
- Made of welded stainless steel
- Available only from Univair

Heavy Duty Header Tank, Front	U60763-002	**$502.44**
Heavy Duty Header Tank, Rear, S/N 1 to 3013	U12837-000	**$539.88**
Original Piper Header Tank, Rear, S/N 3014 and up	U14211-000	**$503.62**

Fuel Valve

FAA-PMA APPROVED

3-way valve for two tanks: right, left (not both), and off. This new fuel valve for PA-18 eliminates concerns of failure due to extreme cold. Handle sold separately.

Fuel Valve Kit	U491-947K	**$533.14**
Fuel Valve Handle	U61964-200	**$92.33**
Flat Head Screw (for handle)	MS24693S48	**$0.12**

Because of various applications of some parts, we suggest that you have a PA-18 Parts Manual (18PM) to assist you in selection of the proper parts.

Fuel On/Off Indicator Plates

A

B

A) Used when fuel tank is installed in right wing panel:

Fuel On/Off Indicator Plate, Red	12838-002	**$67.26**
Black	U12838-002BL	**$120.42**

B) Used when fuel tank is installed in left wing only on PA-18, S/N 1 and up; PA-18A, S/N 1215 to 3013:

Fuel On/Off Indicator Plate, Red	12838-003	**$102.40**
Black	12838-003BLK	**$138.27**

Piper Gascolator

FAA-PMA APPROVED

- Metal bowl with quick drain
- Applicability: Piper J-3, PA-11 through PA-25

Piper Gascolator ..... U14330-002 ..... **$331.37**

Replacement Parts

Gascolator Cover	U87477-002	**$135.42**
Fuel Strainer E-Z Drain Bowl	U12764-000	**$150.74**
Drain Valve	CCA-1550	**$22.84**
Gasket, 2⅛" diameter	U85012-032	**$4.62**
Gascolator Nut	U72302-003	**$23.52**
Fuel Strainer Screen	U750-272	**$3.18**
Fuel Strainer Bowl Seat	U750-273	**$20.84**
Gascolator Bail	U494-644	**$78.39**

Fuel Line

FAA-PMA APPROVED

- 15" length
- Gascolator to carburetor

U17766-065 ..... **$249.52**

Fuel Gauge

FAA-PMA APPROVED

Fuel Gauge Assembly ..... U10804-000 ..... **$251.49**

Replacement Parts

Fuel Gauge Housing	U10837-000	**$137.25**
Fuel Gauge Elbow	U10834-000	**$143.01**
Fuel Gauge Bushing	U10847-000	**$25.63**
Fuel Gauge Glass Sight Tube	U10852-000	**$25.59**
Cork Washer	U85012-051	**$6.11**
Float Ball	U10853-000	**$8.03**

Fuel Cap Cover and Kit

- Complies with Service Bulletin 979
- Kit includes installation hardware

Fuel Cap Cover.....U85327-002..... **$237.47**
Fuel Cap Cover Kit .....85327-500..... **$523.75**

Fuel Cap and Gasket

FAA-PMA APPROVED

- Complies with AD 78-10-03

Fuel Cap, Includes Gasket
U60750-002 ..... **$142.57**
Fuel Cap Gasket
U60750-006 ..... **$2.16**

Free Shipping on Orders Over $300
Restrictions Apply • See Page 3 For Details

Landing Gear • Chassis

Description	Part #	Price
Landing Gear Nuts and Bolts Kit	752-196	$270.15
Washer	80122-030	$17.02
Copper Brake Line	U10034-000	$76.53
Axle Nut	U30491-000	$85.04
Scott Spring	U3222	$16.51
Scott Spacer, 1.25"	U3243-2	$83.27
Scott Spacer	U3258	$3.17
Scott Spacer	U3258-1	$2.98
Parking Brake Valve Assembly	U4500A-1	$522.50
Parking Brake Valve Assembly	U4500A-2	$522.50
Bushing	U80022-063	$17.51
Washer	U80122-041	$14.72
Entry Step Assembly	U81903-003	$338.84
Vent Screw	UB-1258	$17.87

Aluminum Shock Cord Covers

FAA-PMA APPROVED

Cover, 14" (used without hydrasorb) ..... U10566-000 ..... **$95.70**
End Plate for 14" Cover ..... U10567-000 ..... **$107.01**
Cover, 16¾" (used with hydrasorb) ..... U14094-000 ..... **$175.78**
End Plate for 16¾" Cover ..... U14093-000 ..... **$96.93**
Sponge Cushion ..... U19513-054 ..... **$9.00**
Rubber Upper Grommet (434-142) ..... MS35489-22 ..... **$2.34**
Rubber Lower Grommet (434-144) ..... MS35489-23 ..... **$1.34**

New Original Landing Gear

FAA-PMA APPROVED

- 1.25"diameter axle for Goodrich brakes
- Uncovered

Left ..... U10033-006 ..... **$1,091.20**
Right ..... U10033-005 ..... **$967.68**

Shock Cords

- High quality Superior brand shock cords
- Manufactured from multiple rubber strands
- Priced and sold individually

Standard ..... U31322-005 ..... **$45.05**
Standard ..... U31322-006 ..... **$48.98**
Heavy Duty Cold Weather ..... 1280HD-CW **$54.99**
Heavy Duty Cold Weather ..... 1080HD-CW **$65.27**

Cabane Vees and Shock Struts

1) Cabane Vee Assemblies
Applicable on S/N 1 to 3780 ..... U30602-006 ..... **$469.38**
Applicable on PA-18 S/N 3781 and up, and PA-18A, S/N 3786 to 5294 ..... U30602-007 ..... **$636.14**
Heavy Duty, PA-18 serial numbers 3781, 3786-5294, PA-18A S/N 5295 and up ..... U30602-007HD **$370.27**
Applicable on PA-18A only, S/N 5295 and up ..... U30602-010 ..... **$532.01**
2) Short Shock Strut, PA-18/18A ..... U31392-000 ..... **$629.06**
3) Long Shock Strut, PA-18/18A ..... U10537-002 ..... **$498.26**
4) Shock Strut Assembly, PA-18/18A ..... U10536-002 ..... **$1,361.92**

Bushwheel 3200 Tailwheel

The 3200 series is a lightweight 8" tailwheel assembly designed to provide positive steering control far beyond rudder travel, and to release easily and automatically to full swivel when aircraft is turned around. The swivel mechanism is sealed to keep out water, sand and mud. Grease fittings are provided for lubrication. Precision components provide years of trouble-free service under severe operating conditions. Pneumatic assembly.

Pneumatic Tailwheel Assembly ..... ABI-3200 ..... **$1,900.00**

Toll Free Sales: 1-888-433-5433
Shop Online: www.univair.com

Hydrasorb Shock Assemblies

FAA-PMA APPROVED

1) Long Shock Strut,
   Continental 95hp, S/N 3014 and up ..... 12844-003 ..... **$174.07**
   Heavy Duty ..... U12844-003HD **$252.71**
   Lycoming 135-150hp, S/N 3014 and up ..... U12844-004 ..... **$358.17**
   Lycoming 135-150hp, HD, S/N 3014 and up ..... U12844-004HD **$222.92**
2) Hydrasorb Shock Unit ..... U487-558-1 ..... **$531.60**
3) Shock Cords (1280HD) ..... U31322-005 ..... **$45.05**
4) Rubber Bumper ..... U85012-057 ..... **$6.27**
5) Upper Shock Strut Fitting ..... U12845-000 ..... **$302.26**
6) Lower Shock Strut Fitting ..... U12875-000 ..... **$259.32**
7) Piper Shock Strut Assembly for PA-18A* ..... U14088-000 ..... **$1,622.02**
   Piper Shock Strut Assembly for PA-18* ..... U14088-002 ..... **$1,622.02**

* Includes complete hydrasorb assembly with cover and end plates

Complete Assembly Available (not shown)

Shock Strut Assembly: PA-18/PA-18A S/N 1 to 3013, PA-18A S/N 1 to 2186, PA-18 95hp S/N 3014 and up ..... U12998-000 ..... **$1,358.39**
Shock Strut Assembly: 135-150hp S/N 3014 and up ... U12998-003 ..... **$1,465.36**

Hydrasorb Assemblies:

- 2 each, 1080HD cords w/o long strut ..... U12998-A **$1,309.88**
- 2 each, 1280HD cords w/o long strut ..... U12998-B **$1,329.12**
- 1 each, 1280HD and 1380 cord w/o long strut** ..... 12998-H **$1,309.88**
- 1 each, 1280HD-CW and 1380-CW cord without long strut** ..... 12998-S **$1,309.88**

** FAA 337 approval is required with this arrangement

Tailwheel Springs

FAA-PMA APPROVED

Heavy Duty 4-Leaf Set, PA-18/18A, S/N 1707 and up
   For Hard Rubber Tailwheel ..... PA18TWS4L **$259.50**
   For Pneumatic Tailwheel ..... PA18TWS4L-1 ..... **$262.01**
Standard 3-Leaf Set
   For Hard Rubber Tailwheel ..... PA18TWSHR **$236.79**
   For Pneumatic Scott/Maule Tailwheel ..... PA18TWSPNEU **$230.18**

Individual Springs and Parts

Tailwheel Spring, Middle Leaf ..... 10999-003 ..... **$64.93**
Tailwheel Spring, Bottom Leaf ..... 10999-005 ..... **$77.54**
Tailwheel Spring, Bottom Leaf ..... 12567-002 ..... **$72.21**
Tailwheel Spring, Middle Leaf ..... 12567-003 ..... **$91.90**
Tailwheel Spring, Middle Leaf ..... U10999-003 ..... **$81.67**
Tailwheel Spring, Bottom Leaf ..... U10999-005 ..... **$81.44**
Tailwheel Spring, Bottom Leaf ..... U12567-002 ..... **$98.81**
Tailwheel Spring, Middle Leaf ..... U12567-003 ..... **$98.08**
Tailwheel Spring, Top Leaf ..... U12567-004 ..... **$60.83**
Tailwheel Spring Attach Clamp ..... U30531-000 ..... **$34.83**
Tailwheel Spring Clamp ..... U30531-002 ..... **$112.46**
Tailwheel Spring Top Pad ..... U30541-002 ..... **$12.55**
Tailwheel Attach Washer ..... U85012-048 ..... **$10.24**
Tailwheel Spring Connector Kit
   For Scott 3200 pneumatic tailwheel ..... U3239A-101 ..... **$97.00**

PA-18 Special Landing Gear

FAA-PMA APPROVED

Because of landing gear modifications using different wheel and brake arrangements, and (in some cases) the need for heavier tubing, Univair offers special landing gears. All of the gears below have lower leg reinforcing gussets for extra strength. All 1½" gears have removable bearing stops to allow for ski installation. The gears with 1½" axles will require STC-SA17RM for approval. STC sold separately.

STC Paperwork ..... STC-SA17RM **$190.19**

Goodrich Wheel and Brake

Heavy Duty 1¼ x .156" axle OD, Left ..... L10033-008HD **$1,268.72**
   Right ..... L10033-007HD **$1,268.72**
Standard 1¼ x .156" axle OD, Left ..... L10033-008A **$1,211.77**
   Right ..... L10033-007A **$1,211.77**

Cleveland 40-84

Heavy Duty 1½ x .156" axle OD, Left ..... L1015-30HD **$1,223.18**
   Right ..... L1015-31HD **$1,223.18**
Standard 1½ x .156" axle OD, Left ..... L1015-00 ..... **$1,014.58**
   Right ..... L1015-01 ..... **$1,014.58**

McCauley D-30291

Standard 1½ x .156" axle OD, Left ..... L1015-20 ..... **$872.18**
   Right ..... L1015-21 ..... **$872.18**

- **Standard Gear Tubes:** Front 1⅜ x .058"; Rear 1¼ x .058"
- **Heavy Duty Gear Tubes:** Front 1½ x .058"; Rear 1⅜ x .058"

Piper Hub Caps

FAA-PMA APPROVED

Primed Steel

- For original 8.00 x 4 Goodrich wheels
- 7.25" diameter
- Stamped cap has raised lettering

Stamped "CUB"..... U31702-000 ..... **$63.01**
Plain..... U31702-002 ..... **$51.66**

Bare Aluminum

- For 6.00 x 6 Cleveland conversion wheels
- 5⅜" diameter
- Stamped cap has raised lettering

Stamped "CUB"..... U1680-00 ..... **$43.30**
Plain..... U1680-02 ..... **$37.47**

Cub Mask

- Fits over the raised letters on stamped hub caps to make painting easier
- Set of 2

Cub Mask .....CUB-MASK **$17.45**

Axle Nut for Landing Gear

- Use with 1½" axles
- Not for use with slotted axles

MS21025-24 ..... **$25.26**

Propellers

Univair furnishes a bolt kit with each propeller purchase. Bolt kits can also be purchased separately from our website.

Propeller descriptions below show basic aircraft/engine model applicability. Check manufacturer's websites for exact applicability before purchasing, or contact our sales staff at 1-888-433-5433 and we can research it for you.

Please note that we do not stock all of the propellers listed. Non-stocked propellers require 4-6 months for delivery.

McCauley Aluminum Fixed-Pitch Propellers

PA-18, Continental C-90.....CM7146 ..... **CALL**
PA-18, Continental C-90.....CM7150 ..... **CALL**
PA-18, -18A, Lycoming O-290, O-320 .....GM7452 ..... **CALL**
PA-18S Seaplane, Lycoming O-290 .....GM8240 ..... **CALL**
PA-18, -18S, -18A, -18AS, Lycoming O-290, O-320.....GM8241 ..... **CALL**
PA-18, -18S, -18A, -18AS, Lycoming O-320 .....GM8242 ..... **CALL**
PA-18, -18S, -18A, -18AS, Lycoming O-320 .....GM8243 ..... **CALL**
PA-18, -18S, -18A, -18AS, Lycoming O-320 .....GM8244 ..... **CALL**

Sensenich Aluminum Propellers

PA-18A, -18S, Lycoming O-290.....74DM6-0-48 ..... **$8,155.80**
PA-18, -18A, -18S, Lycoming O-290.....74DM6-0-50 ..... **$8,155.80**
PA-18, -18A, -18S, Lycoming O-290, O-320.....74DM6-0-52 ..... **$8,155.80**
PA-18, Lycoming O-320 .....74DM6-0-54 ..... **$8,155.80**
PA-18, Lycoming O-320 .....74DM6-0-56 ..... **$8,155.80**
PA-18, Lycoming O-320 .....74DM6-0-58 ..... **$8,155.80**
PA-18A, Lycoming O-235 .....76AM6-2-44 ..... **$5,800.50**
PA-18, Lycoming O-235 .....76AM6-2-50 ..... **$5,880.50**
PA-18, Lycoming O-360 .....76EM8-0-52 ..... **$8,201.80**
PA-18, Lycoming O-360 .....76EM8-0-54 ..... **$8,201.80**
PA-18, Lycoming O-360 .....76EM8-0-57 ..... **$8,201.80**
PA-18, Lycoming O-235 .....76AM6-2-48 ..... **$5,880.50**

Sensenich Wood Propellers

PA-18, Continental C-90..... W72GK52 ..... **$3,995.00**
PA-18, -18A, Lycoming O-290.....W74FM47 ..... **$4,570.00**
PA-18, -18A, Lycoming O-290.....W74FM49 ..... **$4,570.00**

Tail Section

Description	Part #	Price
Stabilizer Wire Clamp	80002-015	**$23.71**
Stabilizer Yoke Inspection Grommet	U10292-000	**$14.33**
Rear Stabilizer Inspection Grommet	U10293-000	**$11.81**
Bungee Spring	U10940-002	**$72.45**
Fin Leading Edge Fairing	U60602-000	**$138.78**

Elevators

FAA-PMA APPROVED

- Uncovered
- Includes bushings

125–150hp.....U12770-000..... **$742.28**
95hp .....U40572-000..... **$743.95**

Rudders

FAA-PMA APPROVED

- Uncovered
- Includes bushings

With strobe bracket.....U15726-002..... **$1,050.26**
Without strobe bracket .....U40622-007..... **$1,012.37**

Toll Free Sales: 1-888-433-5433

Horizontal Stabilizers

FAA-PMA APPROVED

- Uncovered
- Includes bushings

105–150hp ..... U12769-000 ..... **$912.52**
95hp ..... U40643-000 ..... **$875.23**

Vertical Stabilizer

FAA-PMA APPROVED

- Uncovered
- Includes bushings

Vertical Stabilizer ..... U40592-000 ..... **$623.71**

Tail Repair Section

FAA-PMA APPROVED

For model PA-18 only. Our jig-welded 4130 steel repair assembly includes tail post, bottom rudder hinges, stabilizer rear brackets, tail spring and brace tube attach fittings, top and bottom longeron stub tubes, splice tubes, STC and instructions.

Tail Repair Section Kit ..... U12183-TSK **$2,133.59**

Stainless Steel Tail Brace Wires

FAA-PMA APPROVED

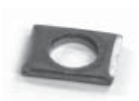
- Round type to comply with AD 60-01-07
- Stainless steel wires and clevis

Upper Wire Assembly ..... U10555-002 ..... **$231.11**
Lower Wire Assembly ..... U10556-002 ..... **$231.11**
Original Installation Kit* ..... 10555-KIT **$77.34**

* Use first time round wires are installed

Top wire clevis

Bottom wire clevis



Square washer

Brass nipple

Top Wire, Upper Clevis (40521-008) ..... U61341-003 ..... **$36.88**
Top Wire, Lower Clevis (40521-007) ..... U61341-002 ..... **$48.85**
Bottom Wire, Upper Clevis (40521-009) ..... U61341-004 ..... **$53.20**
Bottom Wire, Lower Clevis (40521-010) ..... U61340-000 ..... **$48.85**
Square Washer ..... U81102-002 ..... **$6.74**
Brass Tie Rod Nipple ..... U41051-000 ..... **$33.64**
Plain Hex Nut ..... AN315-5 ..... **$0.26**
Clevis Bushing ..... U82732-072 ..... **$7.14**

Shop Online: www.univair.com

Tail Surfaces

FAA-PMA APPROVED

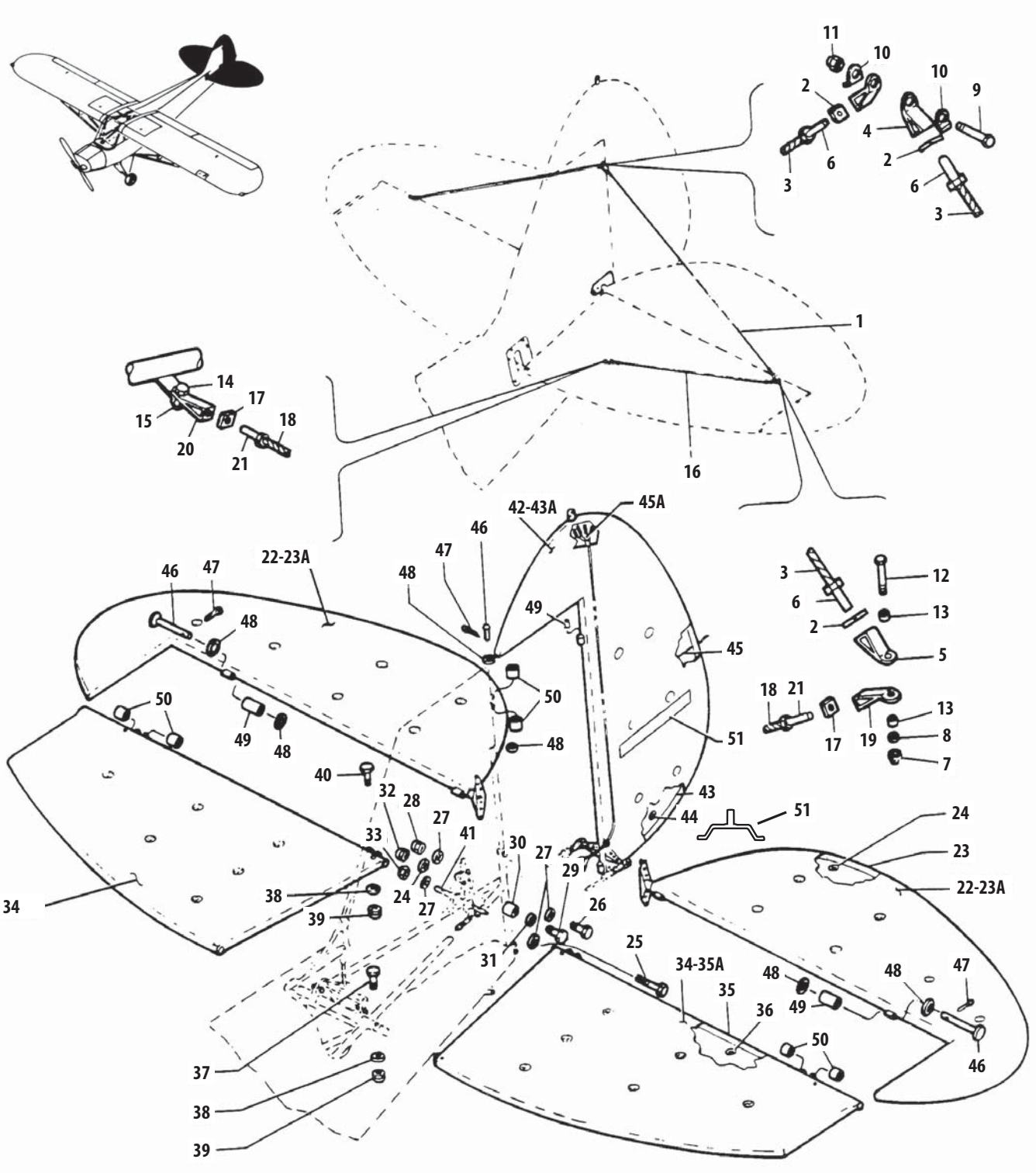
See Figure 1 on page 106

'U' prefixes on part numbers indicate an FAA-PMA approved part. All parts listed below are priced and sold individually unless otherwise noted.

Figure/Description	# Required	Part #	Price
1) Upper Tail Brace Wire	1	U10555-002*	**$231.11**
2) Square Washer	2	U81102-002	**$6.74**
3) Upper Tail Brace Wire	2	U41031-002	**$46.77**
4) Top Wire Upper Clevis	1	U61341-003	**$36.88**
5) Top Wire Lower Clevis	1	U61341-002	**$48.85**
6) Brass Tie Rod Nipple	2	U41051-000	**$33.64**
7) Self-Locking Nut	2	MS21083N3	**$0.22**
8) Flat Washer	2	NAS1149F0332P	**$0.04**
9) Airframe Bolt	1	AN4-15A	**$0.44**
10) Upper Tail Brace Washer	2	U40131-000	**$10.08**
11) Self-Locking Nut	1	MS21044N4	**$0.30**
12) Airframe Bolt	2	AN3-15A	**$0.32**
13) Spacer Bushing	4	U82732-072	**$7.14**
13) Clevis Bushing**	4	U80012-006	**$19.76**
14) Airframe Bolt	2	AN3-5A	**$0.26**
15) Self-Locking Nut	2	MS21083N3	**$0.22**
16) Lower Tail Brace Wire	1	U10556-002*	**$231.11**
17) Square Washer	2	U81102-002	**$6.74**
18) Lower Tail Brace Wire	2	U41031-003	**$41.14**
19) Bottom Wire Upper Clevis	1	U61341-004	**$53.20**
20) Bottom Wire Lower Clevis	1	U61340-000	**$48.85**
21) Brass Tie Rod Nipple	2	U41051-000	**$33.64**
22-23A) Elevator Assembly, Uncovered			
125–150hp	2	U12770-000	**$742.28**
95hp	2	U40572-000	**$743.95**
24) Wing Drain Grommet (5 per elevator, 105-135hp; 4 per elevator, 95hp)	2	U80122-053	**$4.52**
25) Airframe Bolt	1	AN3-6A	**$0.16**
26) Airframe Bolt	1	AN3-5A	**$0.26**
27) Flat Washer	4	NAS1149F0332P	**$0.04**
28) Self-Locking Nut	1	MS21083N3	**$0.22**
29) Airframe Bolt	1	AN4-6A	**$.25**
30) Elevator Horn Attach Bushing	1	U80012-017	**$14.01**
31) Flat Washer	1	NAS1149F0463P	**$0.06**
32) Self-Locking Nut	1	MS21044N4	**$0.30**
33) Self-Locking Nut	1	MS21044N3	**$0.51**
34-35A) Horizontal Stabilizer Assembly, Uncovered			
105–150hp	2	U12769-000	**$912.52**
95hp	2	U40643-000	**$875.23**
36) Wing Drain Grommet	8	U80122-053	**$4.52**
37) Airframe Bolt	2	AN3-13A	**$0.30**
38) Flat Washer	4	NAS1149F0332P	**$0.04**
39) Self-Locking Nut	4	MS21083N3	**$0.22**
40) Airframe Bolt	2	AN3-12A	**$0.32**
41) Stabilizer Rear Liner Tube, 8"	1	U86062-079	**$107.66**
43) Rudder Assembly, Uncovered			
Without Strobe Bracket	1	U40622-007	**$1,012.37**
With Strobe Bracket	1	U15726-002	**$1,050.26**
44) Wing Drain Grommet	2	U80122-053	**$4.52**

Figure 1 • Tail Surfaces

Parts list begins on page 105.



Price and availability subject to change without notice • Univair's Toll Free Sales: 1-888-433-5433

45) Tail Light Wire Assembly	1	12177-039	**N/A**
46) Clevis Pin	6	MS20392-3C55	**$1.28**
47) Cotter Pin	6	AN380-2-2	**$0.04**
48) Clevis Pin Washer	12	U80122-086	**$2.71**
49) Long Bushing	6	U80022-044	**$1.40**
50) Short Bushing	12	U80022-045	**$1.76**
51) Rudder Arm	1	U1140A-000	**$241.37**

* 10555-KIT (attaching nuts, bolts and bushing) is used the first time round wires are used to replace the streamlined wires.
** Used on PA-18 airplanes with serial numbers 1 to 686 and 688 to 691.

Hardware Kits

Our hardware kits are a convenient way to order all hardware necessary for installing rudders and elevators on Piper models J-3 thru PA-22 aircraft.

Rudder Attach Hardware Kit ..... PSK-1 ..... $47.76

PSK-1 Kit Includes:

Long Bushing	U80022-044	x 2
Short Bushing	U80022-045	x 4
Clevis Pin	MS20392-3C55	x 2
Washer	U80122-086	x 4
Cotter Pin	AN380-2-2	x 2

Elevator Attach Hardware Kit ..... PSK-2 ..... $81.63

PSK-2 Kit Includes:

Long Bushing	U80022-044	x 4
Short Bushing	U80022-045	x 8
Clevis Pin	MS20392-3C55	x 4
Washer	U80122-086	x 8
Cotter Pin	AN380-2-2	x 4

Windows • Windshields

Prices below are for clear windows and windshields only. See our website for prices and availability of Solar Gray and Green tinted versions. Delivery time is 10 to 12 weeks for non-stock items.

Windshield, 95hp	12248-000	**$373.48**
Windshield, 105-150hp	12430-000	**$373.48**
Skylight (PA-18A, S/N 1215 to 3013)	12249-000	**$193.05**
Skylight (PA-18, S/N 3014 and up)	13433-000	**$193.05**
Upper Door Window	12279-000	**$163.35**
Rear Window, Left or Right	10545-000	**$64.60**
Pilot Window, Left	12253-000	**$66.83**
Front Sliding Window, Complete Assembly	U12254-000	**$550.82**
Front Sliding Window, Glass Only	U12254-002	**$86.76**
Rear Sliding Window, Complete Assembly	U12255-000	**$458.71**
Rear Sliding Window, Glass Only	U12255-002	**$86.76**
Top Rear Window, L-21	12250-003	**$216.07**

Wings

For Piper PA-18 ribs, see page 137.

Description	Part #	Price
Tank Cover Support Plate, Left	10633-000	**$85.80**
Tank Cover Support Plate, Left or Right	10633-005	**$92.83**
Reinforcing Plate	11473-047	**$14.42**
Front Spar Angle Brace, Rear	12692-005	**$11.66**
Rear Spar Angle Brace, Front	12692-006	**$12.13**
Rear Spar Angle Brace, Rear	12692-007	**$12.79**
Bellcrank Screw	12713-004	**$2.92**
Front Spar Splice Kit	750-738	**$417.60**
Rear Spar Splice Kit	750-739	**$196.70**
Wing and Lift Strut Hardware Kit	752-206	**$195.34**
Inspection Kit for SB-1044	PSK-4	**$65.22**
Reinforcement Angle	U10291-000	**$26.29**
Front Spar Butt Hinge Fitting	U10401-000	**$50.54**
Pulley Housing, Left	U10552-000	**$76.15**
Right	U10552-001	**$76.15**
Drag Brace Tube	U10641-000	**$131.42**
Aileron Hinge Bracket	U10703-000	**$169.56**
Flap and Aileron Hinge Bracket	U10703-003	**$146.86**
Flap Outboard Hinge Bracket	U10703-004	**$152.30**
Bearing Block	U10921-000	**$27.54**
Bearing Block	U10921-002	**$35.18**
Flap Bellcrank Bracket	U11672-000	**$73.17**
Spar Reinforcement Angle	U11675-002	**$21.33**
Spar Reinforcement Angle	U11675-003	**$21.33**
Inboard Flap Hinge	U11682-000	**$269.89**
#2 Wing Channel Brace	U12252-008	**$16.85**
Tie Down Fitting	U12345-004	**$70.31**
Flap Fairing, Left	U12795-000	**$86.67**
Right	U12795-001	**$86.67**
Door Latch Bracket	U12847-000	**$39.21**
Pitot Tube	U13764-000	**$217.47**
Rear Spar Butt Hinge Fitting	U14161-000	**$39.95**
Rear Spar Lift Strut Fitting	U14182-000	**$39.07**
Front Spar Lift Strut Fitting	U14192-000	**$57.19**
Aileron Pulley Housing Attach Bracket	U14261-000	**$21.32**
Filler Block	U14271-000	**$41.21**
Aileron Hinge Reinforcement Angle, Left	U14291-000	**$23.54**
Right	U14291-001	**$23.13**
#2 Drag Strut Reinforcement Angle	U14401-003	**$26.11**
#3 Drag Strut Reinforcement Angle	U14401-004	**$14.49**
#5 Drag Strut Reinforcement Angle	U14401-005	**$27.08**

#1 Drag Strut Reinforcement Angle ..... U14401-008 ..... **$18.75**
#2 Drag Strut Reinforcement Angle ..... U14411-002 ..... **$15.05**
#3 Drag Strut Reinforcement Angle ..... U14411-003 ..... **$19.06**
#5 Drag Strut Reinforcement Angle ..... U14411-004 ..... **$14.05**
Rear Wing Spar, Left ..... U14453-002 ..... **$819.00**
Right ..... U14453-003 ..... **$819.00**
Filler Block ..... U14461-000 ..... **$56.02**
False Spar Brace ..... U14541-000 ..... **$63.61**
Pulley Bracket Reinforcement Angle, Right ..... U14571-001 ..... **$7.07**
Aileron Stop, Metal Spar, Square ..... U14581-000 ..... **$253.22**
Aileron Inboard Pulley Bracket, Left ..... U14611-000 ..... **$16.05**
Right ..... U14611-001 ..... **$18.98**
Outboard Aileron Pulley Bracket, Left ..... U14621-000 ..... **$46.08**
Right ..... U14621-001 ..... **$46.08**
Leading Edge Reinforcement ..... U15742-000 ..... **$50.38**
Wing Trailing Edge ..... U15773-000 ..... **$97.99**
Front Spar Bow Wing Tip Fitting ..... U16551-000 ..... **$23.50**
Front Spar Bow Wing Tip Fitting ..... U16561-000 ..... **$17.00**
Rear Spar Bow Wing Tip Fitting ..... U16601-000 ..... **$17.16**
Rear Spar Bow Wing Tip Fitting ..... U16611-000 ..... **$13.13**
Rubber Moulding, 10 Foot Length ..... U19795-000 ..... **$29.86**
Aileron Control Horn ..... U40501-000 ..... **$208.15**
Pulley Housing ..... U41291-000 ..... **$61.65**
Outboard Flap Hinge ..... U41881-002 ..... **$122.96**
Aileron Center Hinge ..... U41891-000 ..... **$89.85**
Door Latch Kit (Stud, Catch, Screws) ..... U52745-000 ..... **$5.59**
Jury Strut Lug ..... U80002-041 ..... **$24.59**

Leading Edges

Please refer to the 18PM parts catalog for correct application of leading edges.

Inboard Leading Edge Cover, Left, 95-135hp ..... 10630-011 ..... **$242.80**
Leading Edge Cover, Left, S/N 1 to 468 ..... U10630-000 ..... **$230.41**
Inboard Leading Edge Cover, 135-150hp, S/N 3771, 3781 and up
Right ..... U10630-005 ..... **$183.94**
Left ..... U10630-008 ..... **$183.94**
Leading Edge Cover, Right, 95-135hp ..... U10630-009 ..... **$147.89**
Leading Edge Cover, Left, 95-135hp ..... U10631-000 ..... **$194.79**
Leading Edge Cover, Right, 95-135hp ..... U10631-001 ..... **$191.24**
Outboard Leading Edge Cover, 95-135hp ..... U13072-005 ..... **$90.06**
Outboard Leading Edge Cover, 135-150hp ..... U13072-006 ..... **$108.54**
Leading Edge Cover, Right, 95-125hp ..... U15472-001 ..... **$237.04**
Leading Edge Cover, Left, 95-135hp ..... U15482-000 ..... **$202.22**
Leading Edge Cover, Right, 95-135hp ..... U15482-001 ..... **$201.21**
Leading Edge Tip Cover, Left ..... U15723-000 ..... **$315.28**
Leading Edge Tip Cover, Right ..... U15723-001 ..... **$315.28**
Center Inboard Leading Edge Cover, 135-150hp
Left ..... U14387-000 ..... **$131.57**
Right ..... U14387-001 ..... **$134.34**
Center Outboard Leading Edge Cover, 135-150hp
Left ..... U14389-000 ..... **$180.23**
Right ..... U14389-001 ..... **$170.66**

Order online at www.univair.com

Aluminum Bearing Block Repair Kit **STC APPROVED**

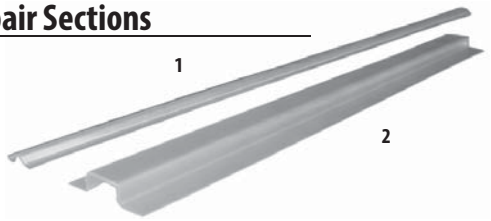
Simple repair for most all fabric-covered Piper. Allows repair of bearing block on flap and aileron hinge, and avoids need to replace bearing blocks. Simple and practical repair. Kit includes bushings, clevis pins, reamer and adhesive.

- STC approved for use on Piper J-3, J-5, PA-11, PA-12, PA-14, PA-15, PA-16, PA-17, PA-18, PA-19, PA-20, PA-22, and PA-25
- Provide aircraft model, registration numbers, and serial number when ordering

Piper Bearing Block Repair Kit ..... STC-SA02128LA **$409.06**

Piper Rib Repair Sections

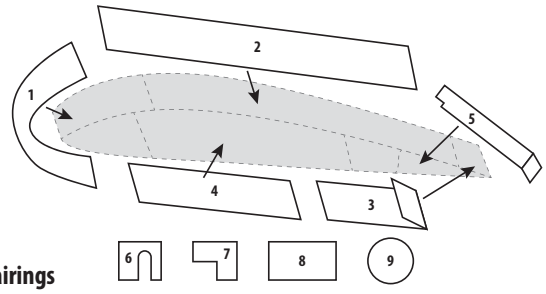
- Applicable to Piper truss type ribs



1) Diagonal Brace Repair Section (18" length) ..... U750-287 ..... **$15.98**
2) Rib Cap Repair Splice Strip (12" length) ..... U16651-004 ..... **$12.88**

Super Cub Wing Fairings and Inspection Plates

- Wing fairings are made from .020" 2024-T3 aluminum



Wing Fairings
1) Wing Root Fairing
Left ..... U12276-000 ..... **$87.19**
Right ..... U12276-001 ..... **$87.19**
2) Top Fairing ..... U11523-000 ..... **$88.99**
3) Fairing Attach Plate
Left ..... U11719-000 ..... **$132.36**
Right ..... U11719-001 ..... **$123.41**
4) Bottom Front Fairing
Left ..... U12274-000 ..... **$75.34**
Right ..... U12274-002 ..... **$75.34**
5) Bottom Rear Fairing
Left ..... U12275-000 ..... **$84.82**
Right ..... U12275-001 ..... **$84.82**

Inspection Plates
6) Stabilizer Yoke Inspection Cover
Left ..... U60571-000 ..... **$29.46**
Right ..... U60571-001 ..... **$29.46**
7) Tail Inspection Plate
Left ..... U60742-000 ..... **$42.37**
Right ..... U60742-001 ..... **$42.37**
8) Rectangular Inspection Cover ..... U82461-000 ..... **$19.87**
9) Round Inspection Plate ..... U12761-002 ..... **$51.66**
Round Inspection Plate ..... 483-10 ..... **$2.58**

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Fairlead Halves and Snap Ring

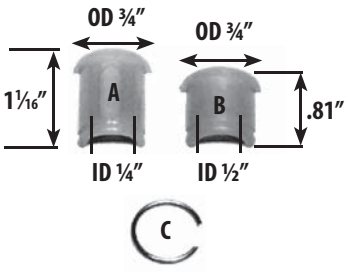
FAA-PMA APPROVED

- Fairlead halves are priced and sold individually

A) Long Fairlead Segment, Half
U40701-000 ..... **$1.44**

B) Short Fairlead Segment, Half
U40071-000 ..... **$1.45**

C) Snap Ring
U40081-000 ..... **$0.54**



Spars for PA-18

FAA-PMA APPROVED

- Applicability: Piper PA-18, serial numbers 18-3771 and up

Front Wing Spar

Left ..... U14391-002 ..... **$1,000.65**
Right ..... U14391-003 ..... **$1,000.65**

Rear Wing Spar

Left ..... U14392-002 ..... **$819.00**
Right ..... U14392-003 ..... **$819.00**

Stainless Steel Lift Strut Forks

FAA-PMA APPROVED

A) Original Size 7⁄16" Diameter Rolled Thread Fork, (Nut Not Included)..... U14481-003 ..... **$130.37**
B) Heavy Duty ⅝" Diameter Heat Treated Fork For Sealed Struts Only (Nut Included)..... U89201-003 ..... **$164.19**

Lift Strut Hardware

FAA-PMA APPROVED

Lift Strut Clevis Bolt ..... U13241-000 ..... **$19.20**
Shear Castle Nut..... AN320-6 ..... **$1.00**
Cotter Pin (AN380-3-3) ..... MS24665-283 ..... **$0.08**

Jury Struts

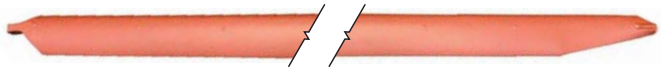
FAA-PMA APPROVED

A) Front Jury Strut with Pitot Tube, 95/125hp, Left..... U12931-000 ..... **$295.47**
B) Front Jury Strut, 135/150hp, Left or Right ..... U12571-002 ..... **$142.82**
C) Rear Jury Strut, 135/150hp, Left or Right ..... U12571-003 ..... **$142.82**
D) Jury Strut Spacer Tube ..... U12591-002 ..... **$94.76**

Oiled and Sealed Lift Struts

FAA-PMA APPROVED

End repetitive AD inspections of your struts and forks! These struts include the new heavy duty, heat treated, ⅝" rolled thread fork and comply with AD 2015-08-04.



Front Lift Strut ..... U89497-002 ..... **$776.09**
Rear Lift Strut..... U89498-002 ..... **$776.09**
Front Lift Strut, Heavy Duty*..... U89497-102 ..... **$938.40**
Rear Lift Strut, Heavy Duty**..... U89498-102 ..... **$885.10**
Clamp for Heavy Duty Rear Lift Strut ..... U89498-201 ..... **$42.98**

* Designed with stiffener channel welded in to help prevent wind and snow damage.
** Made with 4130 steel to help prevent strut failure due to wind and heavy snow loads. Includes a new heavy duty jury strut clamp.

"NO STEP" Placard for Lift Struts

- Reflective silver with black letters
- Self-adhesive sticker

80944-002 ..... **$3.90**

Ailerons and Flaps, Uncovered

FAA-PMA APPROVED

Aileron Assembly, Left ..... U42585-000 ..... **$1,707.17**
Right..... U42585-001 ..... **$1,707.17**
Flap Assembly, Left ..... U12768-000 ..... **$1,867.57**
Right..... U12768-001 ..... **$1,867.57**

Wooden Wingtip Bow

FAA-PMA APPROVED

U453-126..... **$50.86**

Jury Strut Clamp Assemblies

FAA-PMA APPROVED

Front ..... U10654-002 ..... **$67.61**
Rear ..... U10656-000 ..... **$39.84**

Flap Control Bellcrank

FAA-PMA APPROVED

Right..... U40092-009 ..... **$197.54**
Left ..... U40092-010 ..... **$208.85**

Wing Assembly, 105–150hp Models

See Figure 2 on page 111

'U' prefixes on part numbers indicate an FAA-PMA approved part.

Please refer to the Piper PA-18 Parts Manual (18PM) for correct applicability before ordering.

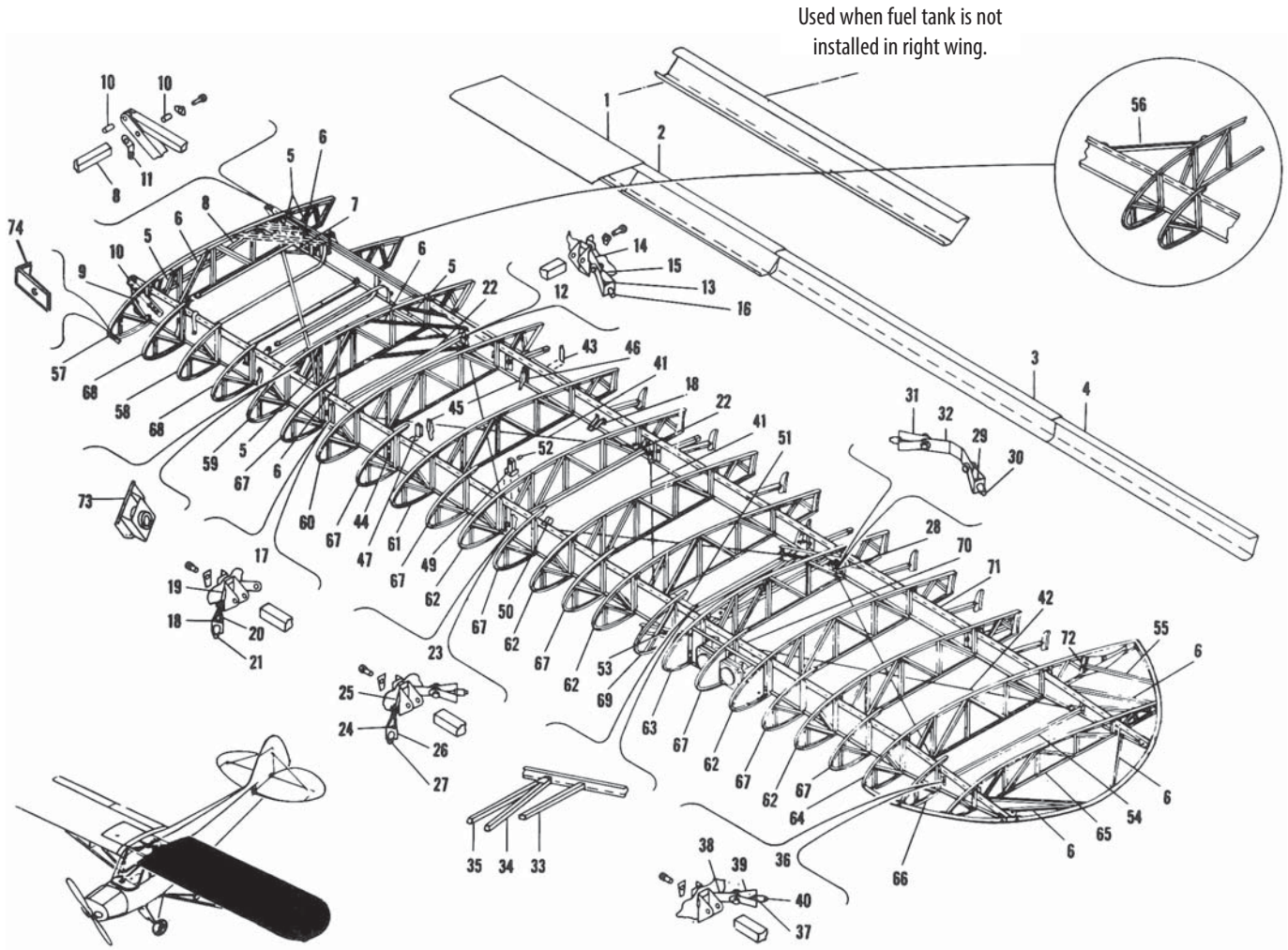
Fig	Description	Part #	Price
1	Flap False Spar, Left	U12784-000	**$206.83**
	Flap False Spar, Left	U12784-005	**$387.50**
	Flap False Spar, Right	U12784-003	**$403.99**
	Flap False Spar, Right	U12783-000	**$141.56**
	Flap False Spar, Inboard, Left	U14385-000	**$276.77**
	Flap False Spar, Inboard, Right	U14385-001	**$296.40**
2	Flap False Spar, Left	U11670-002	**$66.47**
	Flap False Spar, Right	U11670-003	**$75.15**
	Flap False Spar, Outboard, Left	U11670-004	**$51.51**
	Flap False Spar, Outboard, Right	U11670-005	**$51.51**
3	Aileron False Spar, Left	U15562-000	**$77.73**
	Aileron False Spar, Right	U15562-001	**$77.73**
	Aileron False Spar, Inboard, Left	U14382-000	**$111.59**
	Aileron False Spar, Inboard, Right	U14382-001	**$87.27**
4	Aileron False Spar, Left	U15572-000	**$72.74**
	Aileron False Spar, Right	U15572-001	**$72.74**
	Aileron False Spar, Outboard, Left	U15572-002	**$60.21**
	Aileron False Spar, Outboard, Right	U15572-003	**$60.21**
5	Channel Brace, 8½" Length	U12252-002	**$14.33**
6	Channel Brace, 16" Length	U12252-003	**$18.60**
7	Channel Brace, 6¼" Length	U12252-006	**$15.54**
8	Drag Strut #1	U14232-002	**$198.78**
9	Washer	80122-025	**$6.92**
10	Insert Bushing	80022-031	**$13.74**
11	Attachment Fitting	U10171-004	**$8.03**
12	Fitting Assembly	10705-00	**N/A**
13	Square Washer	U81102-003	**$5.05**
14	Drag Wire Fitting	U10171-004	**$8.03**
15	Tie Rod Clevis	U10221-000	**$19.54**
16	Tie Rod Nipple	U10201-000	**$12.94**
17	Fitting Assembly	10711-00	**N/A**
18	Square Washer	U81102-003	**$5.05**
19	Drag Wire Fitting	U10161-004	**$17.24**
20	Tie Rod Clevis	U10221-000	**$19.54**
21	Tie Rod Nipple	U10201-000	**$12.94**
22	Drag Strut #2 and #3 Assembly	U14222-002	**$185.52**
23	Fitting Assembly	10706-00	**N/A**
24	Square Washer	U81102-003	**$5.05**
25	Drag Wire Fitting	U10161-005	**$17.24**
26	Tie Rod Clevis	U10221-000	**$19.54**
27	Tie Rod Nipple	U10201-000	**$12.94**
28	Drag Wire Pull Fitting Assembly, 'N' Brace	10707-00	**N/A**
29	Square Washer	U81102-003	**$5.05**
30	Tie Rod Nipple	U10201-000	**$12.94**
31	Tie Rod Clevis	U10221-000	**$19.54**
32	Drag Wire Fitting	U10161-005	**$17.24**
33	Upper 'N' Brace Tube	U16462-000	**$144.97**
34	Drag Strut 'N' Brace Tube	U10112-007	**$102.88**
35	Lower 'N' Brace Tube	U16472-000	**$145.48**
36	#5 Drag Strut Fitting Assembly	10709-00	**N/A**
37	Square Washer	U81102-003	**$5.05**
38	Drag Wire Fitting	U10171-003	**$8.03**
39	Tie Rod Clevis	U10221-000	**$19.54**
40	Tie Rod Nipple	U10201-000	**$12.94**
41	#1, 2 and 3 Bay Drag Wire, 44⅞" Length	U14941-006	**$33.37**
42	#4 Drag Wire, 56¼" Length	U14941-007	**$39.25**
43	Rear Spar Angle	U14361-002	**$19.43**
44	Front Spar Angle	U14361-003	**$33.98**
45	Jury Strut Fitting	U12581-000	**$23.40**
46	Rear Spar Filler Block	U14371-002	**$38.60**
47	Front Spar Filler Block	U14371-003	**$38.55**
48	Airspeed Bracket	U11580-000	**$20.28**
49	Pulley Bracket Assembly	U10644-000	**$104.06**
50	Navigation Light Wire Clip	U11061-000	**$8.53**
51	Fabric Former, 'N' Brace Assembly, Left	U10531-000	**$73.61**
	Fabric Former, 'N' Brace Assembly, Right	U10531-001	**$100.20**
	Fabric Former, 'N' Brace Assembly, Left	U10531-004	**$58.33**
	Fabric Former, 'N' Brace Assembly, Right	U10531-005	**$33.74**
52	Pulley Insert Bushing	U80012-003	**$6.56**
53	Lock Plate	U10151-000	**$3.40**
54	#5 Drag Strut Assembly	U14222-000	**$192.72**
55	Channel Brace, 11" Length	U12252-005	**$14.33**
56	Channel Brace, 17" Length	U12252-004	**$14.33**
57	#1 Butt Rib Assembly, Left	U1215-01	**$326.69**
	#1 Butt Rib Assembly, Right	U1215-02	**$264.17**
	#1 Butt Rib Assembly, Right	U1215-10	**$115.07**
58	#2 Rib Assembly, Left	U1214-00	**$199.14**
	#2 Rib Assembly, Right	U1212-00	**$207.62**
	#2 Rib Assembly, Right	U1214-00	**$199.14**
59	#3 Rib Assembly, Left	U1213-01	**$184.62**
	#3 Rib Assembly, Right	U1213-02	**$184.62**
	#3 Rib Assembly, Right	U1213-00	**$189.44**
60	#4 Rib Assembly	U1212-00	**$207.62**
61	#5 Rib Assembly, Left	U1210-01	**$192.18**
	#5 Rib Assembly, Right	U1210-00	**$190.24**
	#6 Rib Assembly, Right	U1211-01	**$218.99**
	#6 Rib Assembly, Left	U1211-00	**$161.41**
62	#6, 7, 8, 10 and 11 Rib Assembly	U1207-00	**$185.63**
	#7 Rib Assembly, Left	U1210-01	**$192.18**
	#7 Rib Assembly, Right	U1210-00	**$190.24**
	#8 Rib Assembly	U1209-00	**$217.91**
	#9 Rib Assembly	U1207-00	**$185.63**
	#11 Rib Assembly	U1208-00	**$233.02**
63	#9 Rib Assembly	U1208-00	**$233.02**
	#10, 13 and 14 Rib Assembly	U1207-00	**$185.63**
64	#12 Rib Assembly, Left	U1206-00	**$238.60**
	#12 Rib Assembly, Right	U1206-01	**$220.47**
	#15 Rib Assembly, Outboard Aileron, Left	U1206-00	**$238.60**
	#15 Rib Assembly, Outboard Aileron, Right	U1206-01	**$220.47**
65	#13 Tip Rib Assembly, Left	U1202-00	**$208.37**
	#13 Tip Rib Assembly, Right	U1202-01	**$197.06**
	#16 Tip Rib Assembly, Left	U1202-00	**$208.37**
	#16 Tip Rib Assembly, Right	U1202-01	**$197.06**
66	Nose Rib, Left	U1216-00	**$35.27**
	Nose Rib, Right	U1216-01	**$52.56**

67	Nose Rib	U1200-02	**$32.76**
68	#1 and #2 Nose Rib, Special, Left	U1200-08	**$35.85**
69	Nose Rib Assembly	U1200-05	**$46.08**
	Nose Rib Assembly	U1200-05	**$46.08**
70	Front Spar Assembly, Left	14383-004	**$485.77**
	Front Spar Assembly, Right	U14383-005	**$1,000.65**
	Front Spar Assembly, Left	U14391-002	**$1,000.65**
	Front Spar Assembly, Right	U14391-003	**$1,000.65**
71	Rear Spar Assembly, Left	U14453-004	**$819.00**
	Rear Spar Assembly, Right	U14453-005	**$819.00**
	Rear Spar Assembly, Left	U14392-002	**$819.00**
	Rear Spar Assembly, Right	U14392-003	**$819.00**
72	False Spar Gusset	U13171-000	**$41.32**
73	'U' Fairlead Retainer Plate	U11151-002	**$10.26**
74	Leading Edge Attach Plate	U12331-002	**$6.15**

Figure 2 • Wing Assembly

Parts list begins on page 110.

The ribs illustrated are the original "truss type" Piper ribs. The ribs in our listing are our STC approved formed aluminum ribs. Original Piper ribs are cross referenced. See pages 135 to 141 for additional details.



PIPER PA-20 • PA-22

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Please refer to the correct aircraft parts manual (20PM or 22PM) for exact model and serial number applicability of parts listed in this section.

Brakes

Description	Part #	Price
Goodrich Brake Block	B27-59-1	**$80.50**
Goodrich Retracting Spring	B21-35	**$12.42**
Goodrich Expander Tube Shield	A72-30	**$32.57**
Scott Brake Pedal Bushing	1494	**$4.20**
Top of Cylinder Cap	12604-000	**$93.28**
Top of Cylinder Screw	12606-000	**$14.73**
O-Ring	484-702	**$1.12**
Parking Brake Placard	81090-002	**$2.50**
Round Clamp	U10466-008	**$28.83**
Brake Line on Gear Vee, Left and Right	U13104-000	**$81.64**
Brake Control Cable, 63.0", Galvanized	U14300-005	**$131.20**
Brake Control Cable, 23¾", Galvanized	U40123-091	**$104.81**
Parking Brake Valve Assembly	U4500A-1	**$522.50**
Flex Brake Line	U71061-004	**$242.55**
Master Cylinder Diaphragm	U750-384	**$48.31**

Brake Master Cylinder for PA-22

For more details on this rugged, trouble-free master cylinder, see the listing on page 298. Individual replacement parts also available. Contact Univair for details.

Left ..... U1248A **$1,493.93**
Right ..... U1260A **$1,493.93**

Grove 800 x 4 Disk Brake Conversion **STC APPROVED**

- For Goodrich wheels and brakes only
- Bigger caliper for Piper PA-20
- Maintain your classic look
- Use your existing wheels, tires, tubes, master cylinder and brake lines
- Easy installation – all parts and special tools included

Conversion Kit ..... 76002 ..... **$1,029.00**

Cleveland Disc Brake Conversion Kit

- Applicability: PA-22 Tri-Pacer

These wheels and single puck disc brakes are the same as used on the PA-22-108 Colt. It is a straight bolt-on replacement for the original Cleveland/Van Sickle drum and shoe type brakes. No modification to axle. No axle spacers.

STC-SA91AL will be supplied at no charge when the kit is purchased. The STC may also be purchased separately. Aircraft serial number is required for STC issuance.

Cleveland PA-22 Brake Kit ..... 199-27600 ..... **CALL**
STC ..... STC-SA91AL **$98.47**

Cockpit • Interior

Description	Part #	Price
Rear Door Floor Trim Plate	12019-000	**$17.56**
Starter Cable Cover	12021-000	**$38.61**
Rear Floorboard	12555-002	**$97.22**
Shock Cord Boot Assembly, Front Half	12729-026	**CALL**
Shock Cord Boot Assembly, Rear Half	12729-028	**CALL**
Recording Tachometer Attach Plate	12828-000	**$29.15**
Venturi Mount Plate	12876-000	**$75.77**
Airspeed Tube	13541-004	**$14.93**
Airspeed Tube	13541-012	**$65.80**
Rudder Cable Guard, Left	13847-000	**$79.01**

Rudder Cable Guard, Right	13868-000	**$29.62**
Door Handle Installation Bushing	13882-000	**$179.43**
Rubber Door Seal Moulding	13945-019	**$67.84**
Defroster Air Inlet Bottom Tube	14148-000	**$345.77**
Defroster Air Outlet Top Tube	14149-000	**$82.97**
Air Regulating Valve	14205-000	**$112.31**
Door Latch Assembly	14636-000	**$419.00**
Door Latch Plate	14644-000	**$34.89**
Front Windshield Collar	14669-000	**$151.82**
Front Post Trim Strip	14684-000	**$102.60**
Safety Belt Extension Plate Bushing	14843-044	**$34.00**
Front Seat Stop Control Knob, Black	18875-005	**$12.16**
Small Door Knob, Ivory	471-051	**$2.19**
Control Knob, Ivory	471-052	**$5.39**
Front Seat Stop Control Knob, Black	471-063	**$6.68**
Front Seat Back Spring, Left or Right	487-274	**$74.70**
Suction Regulating Valve	492-024	**$24.95**
Engine Tube Clamp	80032-053	**$18.67**
Door Handle Pin	81761-011	**$11.11**
Control Knob, Black	U10911-000	**$13.71**
Weatherstrip Channel, 29.75" Length	U11432-005	**$66.17**
Weatherstrip Channel, 30.50" Length	U11432-006	**$73.85**
Weatherstrip Channel, 15.75" Length	U11432-007	**$63.97**
Weatherstrip Channel 28.375" Length	U11432-013	**$56.47**
Threaded Bushing	U11789-000	**$19.43**
Rear Center Floorboard	U11909-003	**$133.51**
Front Floorboard	U13063-004	**$267.41**
Front Center Floorboard, Right	U13456-002	**$249.84**
Hinged Window Latch Assembly	U13840-002	**$133.70**
Ventilator Screw	U13903-000	**$6.92**
Ventilator Gasket	U13914-000	**$9.58**
Vent Door Plate	U14240-002	**$49.91**
Vent Door Gasket	U14240-003	**$12.26**
Vent Door Plate	U14246-000	**$37.62**
Vent Door Gasket	U14246-002	**$7.00**
Baggage Compartment Rear Floorboard	U15209-000	**$216.75**
Oil Pressure Flex Hose	U15216-000	**$336.72**
Window Ventilator Kit	U752-287	**$249.15**
Door Handle Spacer Washer	U81342-020	**$3.65**

PA-22 Instrument Panel Modification

• For full description, see listing on page 145 in the Piper STC section

STC SA00428SE upgrades the panel to use modern 3⅛" instruments. The modification has provisions for (7) 3⅛" instruments and (1) 2¼" Instrument. Form 337 required after installation. The installation of new 3⅛" instruments is not a part of this STC and will require a separate Form 337.

Kit for PA-22-150/160	92WD005100-1	**$404.47**
Kit For PA-22-108 Colt	92WD005100-501	**$342.44**

Control System

Description	Part #	Price
Flap Control Ratchet	13183-000	**$90.00**
Lower Rear Sprocket, 15 Teeth	13439-003	**$136.31**
Upper Left Sprocket, 12 Teeth	13440-000	**$96.75**
Pulley Shaft Bearing	452-340	**$20.00**
Control Column Bearing	452-342	**$10.00**
Rudder Cable Pulley Insert Bushing	61402-027	**$16.40**
Pulley Bushing	80022-067	**$11.73**
Yoke Attach Link	81322-003	**$15.72**
Aluminum Bearing Block Repair Kit	STC-SA02128LA	**$409.06**
Upper Elevator Horn Link	U10449-000	**$37.70**
Aileron Hinge Bracket	U10703-000	**$169.56**
Aileron Hinge Bracket	U10703-002	**$157.14**
Flap Return Spring	U10940-000	**$37.01**
Bungee Spring	U10940-002	**$72.45**
Flap Control Rod	U11677-000	**$71.41**
Flap Bellcrank Stop Plate	U11678-000	**$24.14**
Inboard Flap Hinge	U11682-000	**$269.89**
Flap Handle Pawl	U11700-000	**$28.85**
Stabilizer Indicator Plate	U12102-000	**$179.33**
Stabilizer Adjust Crankshaft Pin	U12105-000	**$49.62**
Elevator Control Rod	U12508-000	**$569.77**
Stabilizer Adjust Pulley Bracket	U12772-000	**$31.24**
Flap Control Lever	U13184-000	**$368.60**
Flap Control Lever	U13185-000	**$494.73**
Flap Control Plunger	U13203-000	**$189.69**
Stabilizer Adjust Link	U14179-000	**$330.61**
Flap Return Spring	U14384-000	**$34.39**
Aileron Horn Stop Assembly	U14581-005	**$177.35**
Flap Bellcrank, Right	U40092-009	**$197.54**
Left	U40092-010	**$208.85**
Stabilizer Idler Yoke	U40651-000	**$47.37**
Elevator Control Rubbing Block	U40721-002	**$21.27**
Stabilizer Crank Escutcheon	U41101-000	**$39.21**
Stabilizer Adjust Crank Assembly	U41111-000	**$139.81**
Stabilizer Indicator Assembly	U41121-003	**$42.97**
Escutcheon Spring	U41151-000	**$10.63**
Lower Elevator Horn Link	U41271-004	**$17.44**
Stabilizer Screw Pulley Key	U41631-000	**$20.01**
Outboard Aileron Hinge	U41881-000	**$91.18**
Outboard Flap Hinge	U41881-002	**$122.96**
Aileron Control Cable Turnbuckle	U42722-000	**$182.81**
Rudder Pedal Return Spring	U42891-000	**$8.31**
Cable Fairlead	U42911-000	**$14.66**
Flap Lever Spring	U50111-000	**$4.22**
Tension Spring Attach Clamp	U80002-025	**$27.35**
Elevator Horn Bushing	U80012-017	**$14.01**
Stabilizer Screw Pulley Washer	U81342-005	**$10.26**
Stabilizer Adjust Tension Spring	U81411-002	**$44.58**
Rudder Pedal Washer	U85012-006	**$3.68**
Trim Crank Pulley Attach Washer	U85012-018	**$10.48**

Liner Tubes

FAA-PMA APPROVED

Stabilizer Liner Tube, 16" (80132-011)
U86062-080 ..... **$142.85**
Stabilizer Rear Liner Tube, 8" (80132-010)
U86062-079 ..... **$107.66**

Stabilizer Yoke and Adjust Screw

FAA-PMA APPROVED

Stabilizer Adjust Yoke ..... U42692-000 ..... **$318.63**
Stabilizer Adjust Screw ..... U42961-102 ..... **$128.23**

Piper Pulleys

FAA-PMA APPROVED

Description	O.D.	I.D.	Part #	Price
1) Fiber Pulley	2¾"	⅜"	U40991-000	**$20.19**
2) Fiber Pulley	2¾"	5/16"	U41001-008	**$77.99**
3) Aluminum Pulley	2¾"	⅜"	U12983-000	**$76.27**
4) Aluminum Pulley	2¾"	⅜"	U10080-000	**$175.78**
5) Fiber Pulley	1¾"	¼"	U80421-000	**$13.64**
6) Fiber Pulley	1½"	¼"	U481-609	**$13.13**
7) Fiber Pulley	1⅛"	¼"	U11200-000	**$18.34**
8) Fiber Pulley	1"	¼"	U43001-000	**$20.04**

Fairlead Halves and Snap Ring

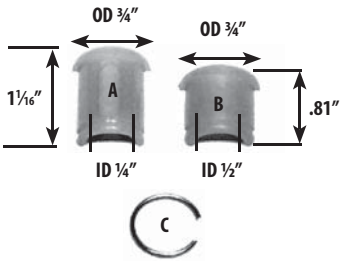
FAA-PMA APPROVED

- Fairlead halves are priced and sold individually

A) Long Fairlead Segment, Half
U40701-000 ..... **$1.44**

B) Short Fairlead Segment, Half
U40071-000 ..... **$1.45**

C) Snap Ring
U40081-000 ..... **$0.54**



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Control Cables

FAA-PMA APPROVED

Description	Part #	Price
Aileron Control, 65⅝", Galvanized	U11527-002	**$174.01**
Stainless	U11527-004	**$151.33**
Rudder Cable, 181½", Galvanized	U11641-004	**$156.48**
Rudder Cable, 183.0", Galvanized	U11641-007	**$199.50**
Aileron Cable, Long 243.0", Short 68.0", Galvanized	U12514-000	**$599.63**
Stainless	U12514-003	**$452.71**
Upper Flap Cable, PA-22 1953-54 and PA-22, S/N 807 and up		
Galvanized	U12515-003	**$223.25**
Stainless	U12515-004	**$243.19**
Aileron and Rudder Control Cable, 222", Galvanized	U13108-000	**$580.00**
Aileron/Rudder Interconnecting Cable, 264.0", PA-22, S/N 807 to 7642		
Galvanized	U13108-002	**$518.96**
Stainless	U13108-011	**$624.06**
Rudder Cable, 181.5", Galvanized	U13109-000	**$342.16**
Rudder Cable, Right, 181.5", Galvanized	U13109-002	**$394.77**
Rudder Cable, Left, 181.5", Galvanized	U13109-003	**$342.27**
Right Rudder Cable, PA-22, S/N 3218, 3398 to 7642, 183.0"		
Galvanized	U13109-010	**$205.42**
Stainless	U13109-018	**$218.07**
Left Rudder Cable, PA-22, S/N 3218, 3398 to 7642, 183.0"		
Galvanized	U13109-012	**$199.57**
Stainless	U13109-019	**$270.15**
Push Pull Cable, Less Knob, 65.0", Stainless	U16775-000	**$102.38**
Elevator Bungee Upper Cable, 22 3/16", Galvanized	U40123-061	**$74.52**
Stainless	U40123-073	**$63.64**
Elevator to Upper Horn, 144¼", Galvanized	U40123-067	**$158.52**
Stainless	U40123-067S	**$177.25**
Elevator to Lower Horn, 143⅜", Galvanized	U40123-068	**$173.48**
Stainless	U40123-068S	**$177.25**
Aileron Balance, in Top Deck, 74.0", Galvanized	U40123-069	**$179.42**
Stainless	U40123-069S	**$158.36**
Elevator Bungee Lower Cable, 20½", Galvanized	U40123-070	**$59.65**
Stainless	U40123-070S	**$71.54**
Lower Flap Control Cable, 77⅛", Galvanized	U40123-080	**$167.38**
Stainless	U40123-080S	**$162.40**
Lower Bungee Cable, 20½", Stainless	U40123-081	**$63.64**
Brake Control Cable, 23¾", Galvanized	U40123-091	**$104.81**
Lower Flap Control Cable, 84 1/16", Galvanized	U40123-093	**$170.36**
Stabilizer Adjust Cable, 260¼", Galvanized	U41671-011	**$367.42**
Stainless	U41671-014	**$341.73**
Stabilizer Adjustment Cable, 297.0", Galvanized	U41671-016	**$378.28**
Stainless	U41671-018	**$328.01**
Lower Flap Control Cable, 84 1/16", Stainless	U40123-093S	**$171.70**
Throttle Control Cable, Less Knob	U455-139-000	**$517.60**
Throttle Control Cable, With Knob	U455-139-004	**$550.74**

Knobs

FAA-PMA APPROVED

Black Throttle Knob	U10911-000	**$13.71**
Ivory Door Knob	471-051	**$2.19**
Red Control Knob	108-6221502-20	**$7.70**
Black Control Knob	U471-059	**$4.56**
Black Control Knob	471-060	**$3.70**
Front Seat Control Knob	471-063	**$6.68**

Electrical System

Description	Part #	Price
Fuse Block/Switch Box Insulator	10443-000	**$25.36**
Battery Ground Cable Assembly	11122-002	**$33.16**
Battery Box Cover	12045-000	**$166.54**
Outboard Ground Light Wire	12177-033	**$15.29**
Fuse Block to Safe Flight Indicator Wire	12177-040	**$14.89**
Circuit Protector to Ammeter Wire	12177-048	**$15.29**
Wing Root to Switch Wire Harness	12298-005	**$113.42**
Wing Root to Switch Wire Harness	12298-018	**$220.80**
Landing Light Mounting Plate	12527-000	**$137.64**
Landing Light Lens Strip, Top and Bottom	12533-004	**$11.10**
Navigation Light Switch Knob	12643-000	**$31.01**
Dome Light Lens	12715-000	**$195.72**
Wire Assembly	12984-000	**$39.83**
Double Master Switch Fuse Block	13051-000	**$82.36**
Battery Box Lid	14065-000	**$311.34**
Battery Air Intake Tube	14066-000	**$92.63**
Battery Terminal Bolt	14069-000	**$48.03**
Jumper Wire	14230-024	**$6.72**
Wire Shielding, Sold by the Foot	153-320	**$1.79**
Circuit Breaker, 25 Amp	454-652	**$28.79**
Battery Drain Tube Clamp	454-925	**$14.71**
Cross Connector	455-161	**$1.02**
Insulator	467-062	**$4.21**
Insulator Sleeve	90797-010	**$4.01**
Insulator Sleeve	90797-013	**$0.09**
Landing Light Wire	U10128-093	**$28.44**
Navigation Light Wire Clip	U11061-000	**$8.53**
Battery Ground Cable	U11122-004	**$43.29**
Wiring Harness	U12298-017	**$181.42**
Landing Light Center Bracket	U12524-002	**$30.46**
Landing Light Outer Right Bracket	U12524-003	**$22.67**
Landing Light Outer Left Bracket	U12524-004	**$22.55**
Landing Light Attach Plate	U12525-000	**$57.12**
Landing Light Mounting Plate	U12527-002	**$138.16**
Outer Rib Reinforcement Plate	U12529-002	**$31.77**
Center Rib Reinforcement Plate	U12529-003	**$38.27**
Landing Light Lens Attach Strip, Top and Bottom	U12533-002	**$6.26**
Landing Light Lens Side Attach Strip	U12533-003	**$9.11**
Wing Navigation Light Bracket, Grimes 'E' Lights	U12560-000	**$151.75**
Positive Terminal Insulation Strip	U14070-000	**$57.40**
Outboard Rib Reinforcement Plate	U14425-000	**$82.97**

Landing Light Kit

For all PA-20, and PA-22,
S/N 1 to 2377, 2379 to 2424
751-200 ..... **$1,511.23**
For PA-22, S/N 2378, 2425 and up
754-052 ..... **$1,429.88**

Starter Solenoid

FAA-PMA APPROVED

With 5/16" terminals. This FAA-PMA approved solenoid is a 6 volt unit. It is a direct replacement for the original Piper solenoid. The 6 volt unit has larger contacts than a 12 volt unit thus providing a longer service life. The existing wiring is adequate for a 12 volt electrical system using this solenoid.

Starter Solenoid ..... U487-149 ..... **$118.34**

Piper Landing Light Lenses

Clear Acrylic Lens
14" Long ..... 12532-000 ..... **$83.16**
12.75" Long ..... 12532-002 ..... **$103.95**

Concorde Batteries

- Applicability: Piper PA-20, PA-22
- Valve regulated sealed lead acid batteries

12 Volt, 22 Amp Hour ..... RG-25 ..... **$368.00**
12 Volt, 24 Amp Hour, Extra Capacity ..... RG-25XC **$429.00**
12 Volt, 29 Amp Hour ..... RG-35A **$479.00**
12 Volt, 33 Amp Hour, Extra Capacity ..... RG-35AXC **$512.00**

Engine • Cowling

Description	Part #	Price
Airmaze Air Filter	121494	**$195.26**
Rear Baffle Support Bracket	10175-000	**$72.91**
Front Baffle Hanger Support	10415-002	**$37.78**
Intercylinder Baffle Hanger Support	10415-003	**$42.72**
Air Duct Hose	10525-005	**$36.76**
Air Box to Carburetor Cap Screw	10836-002	**$2.03**
Front Right Baffle Assembly	11948-000	**$302.51**
Leather Air Box Baffle	11950-004	**$17.56**
Carburetor Air Box	11950-007	**$1,088.40**
Engine Breather Tube	11957-000	**$42.43**
Exhaust Stack Assembly, Rear Cylinders	12043-003	**$1,424.58**
Throttle and Mixture Control Clamp	12316-000	**$135.49**
Front Baffle Assembly, Left	12428-004	**$360.83**
Front Baffle Assembly, Right	12749-000	**$255.31**
Front Baffle Assembly, Right	12749-005	**$252.76**
Cowl Support Rod	12809-000	**$136.40**
Oil Radiator Lock Plate	13726-000	**$7.06**
Rear Baffle, Left	13774-000	**$158.00**
Air Regulating Valve Assembly	14205-000	**$112.31**
Side Rear Baffle, Left	14430-000	**$150.27**
Vacuum Check Valve	492-029	**$115.26**

Carburetor Gasket	73451-003	**$11.01**
Intercylinder Engine Baffle	74912-000	**$49.44**
Carburetor Air Baffle Attach Clamp	80032-041	**$17.22**
Tailpipe Support Clamp	U10466-033	**$39.12**
Rear Baffle Tie Rod	U10487-000	**$21.56**
Front Baffle Tie Rod, Left	U10487-002	**$81.46**
Front Baffle Tie Rod, Left	U10487-003	**$29.33**
Front Baffle Tie Rod, Left	U10487-004	**$27.42**
Exhaust Tailpipe Assembly	U11417-000	**$276.73**
Spinner Front Bracket	U12330-004	**$65.31**
Oil Quick Drain Valve	U12956-004	**$225.66**
Cowl Bottom Plate	U13120-000	**$282.88**
Bottom Baffle Assembly	U13136-000	**$245.28**
Air Box Scoop Assembly	U13137-000	**$301.34**
Bottom Cowl	U13159-000	**$1,556.53**
Front Side Baffle Bracket, Left	U13587-000	**$73.90**
Oil Radiator Mounting Bracket, Right	U13720-000	**$391.72**
Oil Radiator Mounting Bracket, Right	U13720-004	**$332.27**
Oil Radiator Mounting Bracket, Left	U13725-000	**$639.26**
Oil Radiator Mounting Bracket, Left	U13725-007	**$654.54**
Bottom Cowl Plate	U13777-000	**$50.84**
Bottom Cowl Plate	U14256-000	**$28.98**
Scoop Assembly	U14257-000	**$1,952.55**
Engine Breather Tube	U14441-000	**$216.67**
Intercylinder Tie Rod, Front and Rear Baffles	U14513-000	**$55.10**
Straight Primer Jet	U31197-000	**$72.82**
Cowl Bracket Bumper	U453-640	**$4.85**
Swivel Stud Fitting	U70371-003	**$29.12**
Exhaust Stack Clamp	U80002-074	**$21.33**
Vacuum Pump Hose	U82371-028	**$25.01**
Vacuum Pump Hose	U82371-033	**$57.61**
Fiber Spinner Plate Washer	U85012-047	**$0.92**
Mixture Control Swivel Fitting	U91193-000	**$22.79**

Aero Classics Oil Cooler

- Applicability: Piper PA-22
- Supersedes part numbers 455-138, 566-643
- Approved replacement for Harrison 8521940

Engine Oil Cooler ..... 8000328 .... **$778.33**

Winterization Plate

- Applicability: Piper PA-22
- FAA-PMA approved

U14793-000 ..... **$128.49**

Flexible Oil Pressure Hose

FAA-PMA APPROVED

- Length: 6"
- Material: MIL-H-5593-4 rubber hose

U71061-000 ..... **$158.13**

All-Aluminum Nose Cowls

FAA-PMA APPROVED

PA-20

115-125hp ..... U11958-004 ..... **$2,001.30**
135hp ..... U13778-000 ..... **$2,313.69**

PA-22

S/N 1 to 533	U11958-004	**$2,001.30**
135, 150 and 160hp, S/N 534 and up	U13778-000	**$2,313.69**
108hp, S/N 8000 and up	U15127-000	**$1,830.30**

Original Exhaust System Parts

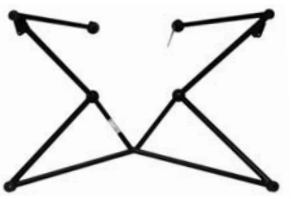
FAA-PMA APPROVED

Muffler Assembly, Includes Shroud and Clip	12742-006	**$3,246.69**
Muffler, Includes U452-093 Muffler Safety Bail	U10308-003	**$2,343.00**
Exhaust Stack		
Front, 125-160hp, S/N 1 to 7999 (Pictured)	U12043-023	**$1,378.63**
Rear, 125-135hp, S/N 1 to 806 (Pictured)	U12043-022	**$1,770.62**
Exhaust Stack, Rear, S/N 354 and up*	U13238-005	**$1,872.77**
Tailpipe	U11417-004	**$514.06**
Tailpipe Support Tube, S/N 354 and up*		
Tailpipe to Stack	U11392-003	**$160.88**
Tailpipe to Muffler	U11963-002	**$127.68**
Muffler Shroud	U12742-004	**$825.16**
Shroud Clip	U10430-000	**$78.53**
Upper Shroud, S/N 354 and up*	U10843-003	**$409.42**
Lower Shroud, S/N 354 and up*	U10764-003	**$328.16**
Clamps		
Tailpipe Support, S/N 354 and up*	U18116-005	**$235.68**
Stack to Muffler	U70591-002	**$38.16**
Stack to Tailpipe, S/N 1949 and up	U14235-000	**$39.90**
Stack to Muffler, Right, With Stud, S/N 1 to 353	11394-000	**$45.13**

* Used with rear seat heater

Engine Mount

FAA-PMA APPROVED



PA-20 Lycoming

115-125hp, 1950-1951
U11786-000 ..... **$1,824.91**
125-135hp, 1952-1953
U11786-013 ..... **$1,824.91**

PA-22 Lycoming

125hp, S/N 1 to 353	U11786-012	**$1,824.91**
135hp, S/N 354 to 3386	U11786-014	**$2,024.99**
150-160hp, S/N 3387 and up, and Colt	U11786-015	**$2,157.98**

PA-22 Baffles

FAA-PMA APPROVED

Front Baffle, S/N 2378, 2425 and up

Left	U14429-000	**$253.79**
Right	U14432-000	**$240.79**
Assembly, Left	U14440-000	**$281.20**
Assembly, Right	U14439-000	**$290.63**

Rear Baffle

Left, S/N 2378, 2425 and up	U14430-000	**$218.97**
Right, S/N 2378, 2425 and up	U14437-000	**$177.90**
Left, S/N 3886 and up	U14431-006	**$603.37**
Right, S/N 2425 to 3885	U14443-000	**$526.29**
Right, S/N 3886 and up	U14443-005	**$617.43**

Spinners

FAA-PMA APPROVED

For PA-22 150-160hp

Spinner Dome	U14422-000	**$569.17**
Front Plate	U14426-000	**$208.86**
Back Plate	U14424-000	**$272.32**
Complete Assembly	U14422-A	**$844.05**
Complete Assembly	U14422-B	**$881.80**

For PA-20 and PA-22 with O-235 and O-290 engines and Sensenich AM Series propellers

Spinner Dome	U13661-000	**$438.10**
Front Plate	U13664-000	**$187.65**
Back Plate	U13663-000	**$202.29**
Complete Assembly	U13661-A	**$769.18**

All-Metal Cowling

FAA-PMA APPROVED

PA-22 Bottom Cowl

125hp, S/N 1 to 353	U13119-000	**$2,093.16**
125hp, S/N 354 to 533	U13119-003	**$2,066.70**
135hp, S/N 534 to 1759	U13784-000	**$1,954.16**
135-160hp, S/N 1760 to 7642	U14258-000	**$4,217.06**
108hp, S/N 8000 and up	U14258-005	**$4,157.49**

Special Bottom Cowl for PA-22 "Taildragger" Conversion

Tri-Pacer	L1041-10	**$1,971.76**
Colt	L1041-20	**$1,866.71**

PA-20 Bottom Cowl

125hp	13159-005	**$1,734.44**
135hp	13159-007	**$1,455.15**

Tri-Pacer Side Cowl

Left	U13158-015	**$676.10**
Right	U13158-014	**$676.10**
PA-22 Top Cowl Assembly	U13158-000	**$1,714.30**
Top Center Cowl	U13158-013	**$452.35**

We Accept: VISA MasterCard DISCOVER PayPal

Tachometer Cables

FAA-PMA APPROVED

PA-20, PA-22, Non-Recording, 35"	TACH-35NR	**$169.79**
PA-20, PA-22, Recording, 32.5"	U1713-R325	**$175.30**
PA-20, PA-22, Recording, 35"	U1713-R350	**$175.30**
PA-20, PA-22, Non-Recording, 33"	TACH-33NR	**$169.79**
PA-20, PA-22, Recording, 34"	TACH-34	**$169.79**

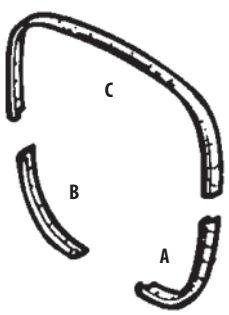
Frame

Description	Part #	Price
Door Latch Plate	13012-000	**$68.42**
Bottom Triangular Fairing, Left	13140-002	**$134.35**
Right	13140-004	**$128.17**
Air Vent Control Arm	13483-000	**$83.27**
Front Window Channel, Bottom	13858-000	**$49.51**
Front Window Channel, Vertical	13863-000	**$67.14**
Right Rear Window Channel	14617-000	**$242.92**
Lifting Handle	J20652-000	**$64.10**
Inspection Cover Grommet	U10293-002	**$25.17**
Windshield Top Channel	U11536-000	**$269.60**
Sliding Window Bottom Channel, Left	U11546-000	**$97.63**
Rear Wing Attach Fitting, Left	U11821-000	**$50.90**
Right	U11821-001	**$50.90**
Rear Window Channel, Right	U11856-000	**$311.89**
Stabilizer Yoke Inspection Cover, Left	U11990-000	**$39.94**
Right	U11990-001	**$39.94**
Round Inspection Cover	U12761-002	**$51.66**
Firewall Bottom Panel	U13149-000	**$266.40**
Firewall Bottom Panel	U13149-002	**$255.61**
Tailwheel Spring 'U' Attach Fitting	U20631-000	**$48.16**
Landing Gear Front Fitting	U21242-002	**$244.83**
Landing Gear Frame Fitting, Left	U21262-004	**$417.66**
Right	U21262-005	**$417.66**
Tail Post Assembly	U22412-000	**$194.44**
Door Latch Kit (includes stud, catch and screws)	U52745-000	**$5.59**
Tail Inspection Plate, Left	U60742-000	**$42.37**
Right	U60742-001	**$42.37**
Drain Grommet	U80122-053	**$4.52**
Rectangular Inspection Cover	U82461-000	**$19.87**

Firewall Moulding

FAA-PMA APPROVED

- NOTE: These are not cowl mounting angles



A) Left Lower Moulding
U14972-000 ..... **$203.56**

B) Right Lower Moulding
U14972-001 ..... **$203.56**

C) Upper Moulding
U14973-000 ..... **$193.37**

Piper PA-20/22 Reinforcement Patches

- Made of black vinyl
- Approximately 4.5" high by 2" wide

1) Teardrop Patch ..... U60863-003 ..... **$4.57**
2) Teardrop Patch ..... U60863-005 ..... **$10.12**

Piper Grommets

1) Grommet, Tail ..... U10292-000 ..... **$14.33**
2) Grommet ..... U10984-000 ..... **$20.62**
3) Grommet ..... U85012-049 ..... **$5.63**
4) Grommet ..... 80122-051 ..... **$4.37**
Grommet, Generic ..... 483-15 ..... **$2.04**
5) Grommet, Inspection Plate ..... U85012-078 ..... **$9.91**
6) Grommet, Strut ..... U15761-000 ..... **$9.61**
7) Grommet, Tail ..... U10293-000 ..... **$11.81**
8) Grommet ..... U80541-002 ..... **$16.33**

Window and Door Structural Channel Kit

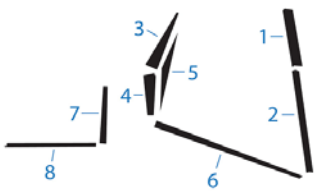
FAA-PMA APPROVED

- Complies with Piper Bulletin #819

Includes all the 4130 steel channel pieces shown below for both right and left sides of aircraft. Some final trimming may be required for finishing fit.

Window and Door Structural Channel Kit ..... 819-22 ..... **$657.68**

Right side



Left side

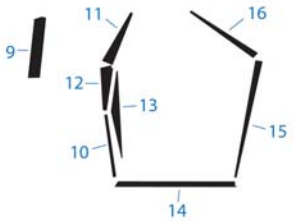


Fig #	Part #	Price
1	819-22-01	**$63.67**
2	819-22-02	**$94.11**
3	819-22-04T	**$73.23**
4	819-22-04B	**$70.38**
5	819-22-04C	**$67.04**
6	819-22-05D	**$56.36**
7	819-22-05G	**$54.72**
8	819-22-08G	**$22.50**

Fig #	Part #	Price
9	819-22-06	**$75.67**
10	819-22-07B	**$25.39**
11	819-22-07T	**$65.87**
12	819-22-07H	**$79.94**
13	819-22-07C	**$78.76**
14	819-22-08D	**$23.30**
15	819-22-09	**$78.32**
16	819-22-10	**$76.05**

Please refer to your parts manuals (20PM, 22PM) for exact model and serial number applicability of parts in this catalog.

Steel 'U' Channels • 6 Foot Length

¼" x ¼" Channel (750-284) ..... X141472 ..... **$8.26**
⅜" x ⅜" Channel, 24 gauge ..... U750-285 ..... **$12.87**
⅜" x ⅜" Channel, 20 gauge ..... U750-285HD **$13.65**
½" x ½" Channel ..... X121272 ..... **$34.09**
¾" x ½" Channel ..... X341272 ..... **$33.29**
⅝" x ½" Channel ..... X581272 ..... **$33.85**

Door Hinges

FAA-PMA APPROVED

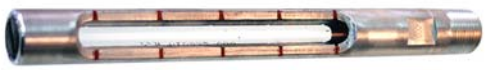
A) Front Door Hinge Half (On Door), 18.625" ..... MS35822-15D-18 ..... **$50.17**
B) Front Door Hinge Half (On Frame), 20.375" ..... MS35822-13D-20 ..... **$49.60**
C) Baggage Door Hinge ..... 22BD **$32.13**

Fuel System

Description	Part #	Price
Felt Fuel Tank Strap, Top Front	10016-017	**$8.25**
Felt Fuel Tank Strap, Top Rear	10016-020	**$18.75**
Felt Fuel Tank Strap, Bottom	10016-021	**$14.77**
Felt Fuel Tank Rib Strip	10016-022	**$42.45**
Wing Brace Channel Felt Strip, Short	10016-023	**$10.92**
Wing Brace Channel Felt Strip, Long	10016-024	**$22.19**
Fuel Valve Pointer	12857-000	**$12.53**
Auxiliary Fuel Tank Strap	14395-000	**$187.49**
Tank Filler Cap Flange	74181-000	**$54.65**
Long Fuel Tank Strap, Top Rear	U10649-003	**$95.98**
Fuel Tank Bottom Strap, Inboard and Outboard	U10650-002	**$76.98**
Fuel Tank Brace Cover	U11034-000	**$24.12**
Fuel Selection Plate	U12709-002	**$38.51**
Fuel Shut-Off Valve Indicator Plate, Black	U12709-003BK	**$77.60**
Red	U12709-003RD	**$77.60**
Fuel Valve Arm	U13033-000	**$17.98**
Fuel Shut-Off Valve Kit	U491-947K2	**$591.49**
Fuel Tank Strap Stud	U80111-000	**$26.52**
Fuel Seal Washer	U80122-048	**$9.61**

Fuel Gauge

FAA-PMA APPROVED

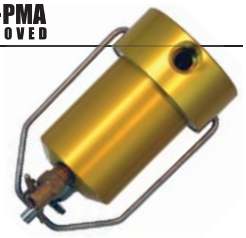


Fuel Gauge Assembly ..... U10676-000 ..... **$251.19**
Fuel Gauge Plug ..... U10676-004 ..... **$32.25**
Fuel Gauge Sight Tube Washer (No Hole) ..... U10676-008 ..... **$4.20**
Fuel Gauge Sight Tube Washer (With Hole) ..... U85012-053 ..... **$3.62**
Fuel Gauge Glass Tube ..... U10852-000 ..... **$25.59**

Price and availability subject to change without notice • Univair's Toll Free Sales: 1-888-433-5433

Gascolator/Fuel Strainer

FAA-PMA APPROVED



Fuel Strainer, Metal Bowl with Quick Drain
U14330-002 ..... **$331.37**
Fuel Strainer Bowl, EZ Drain, 2⅛" Bowl
U12764-000 ..... **$150.74**
Gascolator Bail
U494-644 ..... **$78.39**

Gascolator Mounting Bracket	U71991-000	**$94.36**
Fuel Tank Strainer	U72091-000	**$76.36**
Fuel Strainer Screen	U750-272	**$3.18**
Gascolator Bowl Seat	U750-273	**$20.84**
Gascolator Gasket	U85012-032	**$4.62**
Gascolator Cover	U87477-002	**$135.42**

Fuel Tanks, 18.5 Gallons

FAA-PMA APPROVED

Left Tanks
1950..... U10849-016 ..... **$2,154.46**
1951-53 ..... U10849-034 ..... **$2,320.87**

Right Tanks
1950..... U10849-029 ..... **$2,320.87**
1951-53 ..... U10849-033 ..... **$2,153.60**

Additional Fuel Tank Parts

Fuel Cap (complies with AD 78-10-03)	U60750-002	**$142.57**
Fuel Tank Cover	U12570-009	**$383.28**
Fuel Cap Gasket	U60750-006	**$2.16**

Electric Fuel Gauge and Sender

Fuel Gauge Sender U450-663		**$452.38**
Fuel Sender Gasket 50-716		**$11.93**
Fuel Sender Gasket (for original AC type senders) 108-1121126		**$3.98**
Fuel Gauge (pictured) 3090-033		**$261.75**

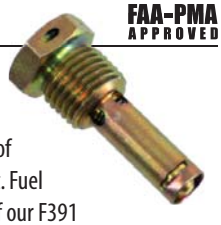
Primer Pump and Lines

Primer Pump (shown)
U451-100 ..... **$462.19**

Primer Line at Right Rear Cylinder	10143-018	**$74.32**
Primer Line at Front Cylinder, Left or Right	10143-020	**$39.68**
Primer Line at Rear Cylinder, Left or Right	10143-061	**$35.15**
Primer to Gascolator Line	10143-065	**$116.97**
Primer Line at Left Front Cylinder	10143-091	**$82.76**
Primer Line at Left Rear Cylinder	10143-095	**$82.76**
Primer Tee to Rear Cylinder Line	11987-009	**$28.44**
Primer Line at Right Front Cylinder	11987-061	**$56.92**
Primer Line Support Bracket	12870-000	**$24.93**
Primer Line Attach Clamp	18307-000	**$39.83**
Primer Tee Mounting Bracket	U14470-000	**$10.64**
Straight Primer Jet	U31197-000	**$72.82**
Primer Line Clamp	U80032-069	**$31.43**

Wing Fuel Drain Valve

FAA-PMA APPROVED



This flush fuel drain valve is designed to be practical, functional, and inexpensive. The head of the valve does not extend beyond the wing to catch the door of your airplane or to hit your head as you walk beneath it. Fuel is only released when you want it to be with the use of our F391 fuel sampler cup, not all over your arm or in your eyes on a windy day.

Fuel Drain Valve ..... F391-14 ..... **$69.05**

Fuel Lines

FAA-PMA APPROVED

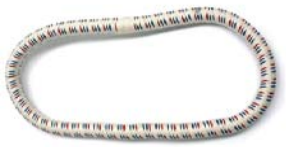
Fuel Line, Shut-Off Valve to Gascolator	U11973-003	**$140.69**
Fuel Line, Shut-Off Valve to Gascolator	U11973-009	**$126.39**
Fuel Line, Shut-Off to Front of Left Tank	U12574-000	**$140.12**
Right Rear Fuel Tank Line, Union to Strainer	U12862-005	**$248.77**
Right Rear Fuel Tank Line, Tank to Union	U12863-000	**$76.19**
Right Front Fuel Tank Line, Tee to Strainer	U12864-000	**$155.89**
Right Front Fuel Tank Line, Tee to Strainer	U12864-003	**$186.76**
Right Front Fuel Tank Line, Tee to Strainer	U12864-005	**$165.12**
Fuel Line, Tee to Front of Right Tank	U12865-000	**$61.02**
Right Front Fuel Tank Line, Tee to Shut-Off	U12866-000	**$148.28**
Right Front Fuel Tank Line, Tee to Shut-Off	U12866-003	**$148.28**
Fuel Line, Pump to Strainer	U14412-002	**$70.62**
Fuel Line, Tank to Pump	U14412-003	**$56.01**
Right Rear Fuel Tank Line, Union to Strainer	U14796-000	**$91.25**
Flexible Fuel Hose, Strainer to Carburetor	U17766-66	**$201.66**

Landing Gear • Chassis

Description	Part #	Price
Oleo Retaining Threaded Collar	13071-000	**$87.10**
Nose Gear Link	13074-003	**$346.38**
Nose Wheel Axle Rod	13089-000	**$126.04**
Rubber Bumper Block	13114-000	**$32.75**
Bumper Block Bracket	13115-000	**$91.72**
Nose Wheel Fender	13217-000	**$278.94**
Oleo Service Instruction Placard	13291-000	**$14.50**
Wiper Strip	187-625	**$15.50**
Nose Gear Bronze Insert Bushing	80022-047	**$3.88**
Eye Bolt	U11601-000	**$62.43**
Jury Strut Attach Fork	U11601-002	**$111.02**
Nose Gear Steering Rod	U13107-000	**$414.78**
Landing Gear Vee, Right	U13124-001	**$2,241.65**
Landing Gear Outer Fairing, Left	U13150-000	**$131.25**
Right	U13150-001	**$131.25**
Landing Gear Belly Fairing, Left	U13152-000	**$151.89**
Right, S/N 22-1 to 22-353	U13152-001	**$121.16**
Right, S/N 354 and up, with auxiliary fuel system	U13152-005	**$128.36**
Right, without auxiliary fuel system	U13152-008	**$189.40**
Rear Leg Vee Fairing, Left or Right	U13193-000	**$47.88**
Nose Wheel Control Rod	U14679-000	**$606.24**

Nose Gear Steering Equalizer Clamp	U14929-003	**$54.27**
Wheel Fairing Support Tube	U15048-000	**$193.87**
Axle Nut	U30491-000	**$85.04**
Tailwheel Spring Attach Clamp	U30531-002	**$112.46**
Tailwheel Spring Top Pad	U30541-002	**$12.55**
Rubber Block	U30831-002	**$14.42**
Steel Hub Cap, Stamped "Cub"	U31702-000	**$63.01**
Steel Hub Cap, Plain	U31702-002	**$51.66**
Insert Bushing	U80022-063	**$17.51**
Tailwheel Attach Washer	U85012-048	**$10.24**
Rubber Bumper Washer	U85012-057	**$6.27**
Ring Seal for Nose Wheel Control Rod	U85012-071	**$12.29**
Adjustable Stop Screw	U85061-000	**$12.82**
Vent Screw	UB-1258	**$17.87**

Shock Cords



- Priced and sold individually
- Part numbers beginning with 'U' are FAA-PMA approved

PA-20, up to S/N 20-811, Standard	U30462-002	**$51.20**
PA-22-108, Standard	U31322-002	**$51.00**
PA-20, S/N 1 to 811, Standard	U31322-003	**$57.33**
PA-20, PA-22, Standard	U31322-006	**$48.98**
PA-20, Cold Weather	1380-CW	**$58.58**
PA-20 (1952 and later), PA-22, Heavy Duty Cold Weather	1080HD-CW	**$65.27**

Tailwheel Springs

FAA-PMA APPROVED

- For both original PA-20 aircraft and the PA-22/20 conversion

Tailwheel Spring Complete Set	PA20TWS135	**$326.49**
Tailwheel Spring, Bottom Leaf	U12567-002	**$98.81**
Tailwheel Spring, Middle Leaf	U12567-003	**$98.08**
Tailwheel Spring, Top Leaf	U12567-004	**$60.83**
Tailwheel Spring, Top Leaf	U12567-005	**$56.90**

Shock Strut Assembly

FAA-PMA APPROVED

1) Hydrasorb Shock Unit	U487-558-1	**$531.60**
2) Shock Strut Top Fitting	U12639-000	**$419.49**
3) Shock Strut Lower Fitting	U12875-000	**$259.32**
4) Complete Hydrasorb Assembly	U13148-000	**$1,312.36**

Hydrasorb Shock Assemblies

- Part numbers beginning in 'U' are FAA-PMA approved

PA-20, S/N 812 to 876; PA-22, S/N 1 to 7642	U13148-000	**$1,312.36**
PA-20, S/N 1 to 811	U12638-000	**$1,204.67**
PA-20, PA-22	U487-558-1	**$531.60**
PA-22, S/N 8000 and up	13148-002	**$1,121.60**

PA-20 Landing Gear (Wide Gear)

FAA-PMA APPROVED

- 1¼" axle for Goodrich/Hayes wheels and brakes

Left, Uncovered	L13189-000	**$2,120.60**
Right, Uncovered	L13189-001	**$2,120.60**

PA-22 Landing Gear

FAA-PMA APPROVED

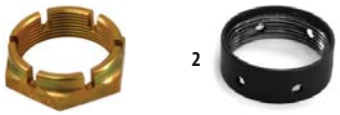
- 1½" axle for use with original Cleveland drum and shoe brakes
- Uncovered
- Applicability: Serial numbers 1 to 7642, 8000 to 8269, 8271 to 8288, 8290, 8292, 8294 to 8297, 8299 to 8303, 8306, 8308 to 8333, 8335 to 8454, and 8456 (right excludes S/N 8318)

Left, Uncovered	U13016-000	**$2,172.15**
Right, Uncovered	U13016-021	**$2,172.15**

Axle Nuts for Landing Gear

FAA-PMA APPROVED

- For gears with 1½" axles



1) Axle Nut for Drilled Axles	MS21025-24	**$25.26**
2) Axle Nut for Slotted Axles	U13020-000	**$90.65**

Cleveland Disc Brake Conversion Kit

- Applicability: PA-22 Tri-Pacer

These wheels and single puck disc brakes are the same as used on the PA-22-108 Colt. It is a straight bolt-on replacement for the original Cleveland/Van Sickle drum and shoe type brakes. No modification to axle. No axle spacers.

STC-SA91AL will be supplied at no charge when the kit is purchased. The STC may also be purchased separately. Aircraft serial number is required for STC issuance.

Cleveland PA-22 Brake Kit	199-27600	**CALL**
STC	STC-SA91AL	**$98.47**

Nose Gear Mount

FAA-PMA APPROVED

- Applicability: Piper PA-22
- This item will ship via FREIGHT only

U13034-000 ..... **$2,375.61**

PA-22/20 Landing Gear Conversion

STC APPROVED

- 1½" axles for use on stock PA-20 Pacers

These gears are based on the PA-20 wide gear and have 1½" axles designed to accommodate the use of wheel and brake arrangements other than the original Goodrich on the PA-20. These gears require STC-SA12RM for installation (STC must be purchased with gears). Spacers required.

1½" Axle Landing Gear, Left ..... L1012-40 ..... **$2,188.67**
Right ..... L1012-41 ..... **$2,188.67**
STC Installation Approval ..... STC-SA12RM **$190.19**
Axle Spacer, 1.26" (2 required, sold separately) ..... U1105-06 ..... **$24.39**
Axle Spacer, 0.72" (2 required, sold separately) ..... U1105-09 ..... **$24.39**

3200 Tailwheel

The 3200 series is a lightweight 8" tailwheel assembly designed to provide positive steering control far beyond rudder travel, and to release easily and automatically to full swivel when aircraft is turned around. The swivel mechanism is sealed to keep out water, sand and mud. Grease fittings are provided for lubrication. Precision components provide years of trouble-free service under severe operating conditions. Pneumatic assembly.

3200 Tailwheel ..... ABI-3200 ..... **$1,900.00**

Propellers

Univair furnishes a bolt kit with each propeller purchase. Bolt kits can also be purchased separately from our website.

Propeller descriptions below show basic aircraft/engine model applicability. Check manufacturer's websites for exact applicability before purchasing, or contact our sales staff at 1-888-433-5433 and we can research it for you.

Please note that we do not stock all of the propellers listed. Non-stocked propellers require 4-6 months for delivery.

McCauley Aluminum Fixed-Pitch Propellers

PA-20, -22, Lycoming O-290 ..... GM7452 ..... **CALL**
PA-22, Lycoming O-320 ..... GM7459 ..... **CALL**
PA-20S, Lycoming O-290, O-320 ..... GM8241 ..... **CALL**

Sensenich Aluminum Propellers

PA-20, Lycoming O-235 ..... 76AM6-2-52 ..... **$6,217.81**
PA-20S, Lycoming O-290 ..... 74DM6-0-52 ..... **$8,155.80**
PA-20, -22, Lycoming O-290 ..... 74DM6-0-54 ..... **$8,155.80**
PA-20, -22, Lycoming O-290 ..... 74DM6-0-55 ..... **$8,155.80**
PA-20, -22, -22S, Lycoming O-290, O-320 ..... 74DM6-0-56 ..... **$8,155.80**
PA-20, PA-22, Lycoming O-290 ..... 74DM6-0-57 ..... **$8,155.80**
PA-22, Lycoming O-320 ..... 74DM6-0-58 ..... **$8,155.80**
PA-22, Lycoming O-320 ..... 74DM6-0-60 ..... **$8,155.80**
PA-20S, Lycoming O-235 ..... 76AM6-2-44 ..... **$5,800.50**
PA-20, -22, Lycoming O-235 ..... 76AM6-2-50 ..... **$5,880.50**
PA-20, -22, Lycoming O-235 ..... 76AM6-2-48 ..... **$5,880.50**

Sensenich Wood Propellers

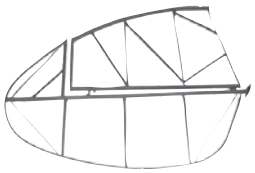
PA-20, -22, Lycoming O-290 ..... W74FM54 ..... **$4,570.00**

Tail Section

Description	Part #	Price
Rudder Attach Hardware Kit	PSK-1	**$47.76**
Elevator Attach Hardware Kit	PSK-2	**$81.63**
Stabilizer Yoke Inspection Grommet, Plastic	U10292-000	**$14.33**
Aluminum	10292-000A	**$14.40**
Rear Stabilizer Inspection Grommet, Plastic	U10293-000	**$11.81**
Aluminum	10293-000A	**$13.71**
Bungee Cable Spring	U10940-002	**$72.45**
Strobe Light Bracket	U15722-002	**$173.05**
Clevis Washer	U40131-000	**$10.08**
Upper Tail Brace Wire	U41031-002	**$46.77**
Lower Tail Brace Wire	U41031-003	**$41.14**
Elevator Horn Lower Link	U41271-004	**$17.44**
Long Bushing	U80022-044	**$1.40**
Short Bushing	U80022-045	**$1.76**
Drain Grommet	U80122-053	**$4.52**

Tail Surfaces, Uncovered

FAA-PMA APPROVED



Elevator, Left or Right
U12649-000 ..... **$936.47**
Stabilizer, Left or Right ..... U12647-000 ..... **$1,024.64**
Rudder Assembly ..... U40622-007 ..... **$1,012.37**
Fin Assembly ..... U11783-000 ..... **$725.09**

Liner Tubes

FAA-PMA APPROVED

Stabilizer Adjust Liner Tube, 16" Length
U86062-080 ..... **$142.85**
Stabilizer Rear Liner Tube, 8" Length
U86062-079 ..... **$107.66**

Tail Brace Wires

FAA-PMA APPROVED

- Round type to comply with AD 60-01-07
- Stainless steel wires and clevis

Upper Wire Assembly	U10555-002	**$231.11**
Lower Wire Assembly	U10556-002	**$231.11**
Tail Brace Wire Installation Kit*	10555-KIT	**$77.34**

* Use first time round wires are installed

Top wire clevis

Bottom wire clevis

Square washer

Brass nipple

Top Wire, Upper Clevis (40521-008)	U61341-003	**$36.88**
Top Wire, Lower Clevis (40521-007)	U61341-002	**$48.85**
Bottom Wire, Upper Clevis (40521-009)	U61341-004	**$53.20**
Bottom Wire, Lower Clevis (40521-010)	U61340-000	**$48.85**
Square Washer	U81102-002	**$6.74**
Brass Tie Rod Nipple	U41051-000	**$33.64**
Plain Hex Nut	AN315-5	**$0.26**
Clevis Bushing	U82732-072	**$7.14**

Windows • Windshields

Prices below are for clear windows and windshields only. See our website for prices and availability of Solar Gray and Green tinted versions. Delivery time is 10 to 12 weeks for non-stock items.

Sliding Rear Window, Left	11636-000	**$82.42**
Front Door Window, Right	11651-000	**$131.42**
Rear Door Window	12009-000	**$72.77**
Rear Window, Right	12011-000	**$60.03**
Front Door Window	12684-000	**$86.13**
Flat Windshield	13432-000	**$455.15**
Bubble Windshield	13432-002	**$455.15**
Pilot Window	13849-000	**$49.01**
Square Rear Window, Left or Right	14247-000	**$86.87**
Front Pilot Window, Left	14248-000	**$74.25**
Window Ventilator Kit	U752-287	**$249.15**

Wings

Description	Part #	Price
Tank Cover Support Plate	10633-005	**$92.83**
Aileron False Spar Reinforcement Plate	11473-047	**$14.42**
Clear Landing Light Lens, 14" Long	12532-000	**$83.16**
Clear Landing Light Lens, 12.75" Long	12532-002	**$103.95**
Fairing Attach Plate	12537-000	**$143.70**
Pitot Airspeed Tube	14494-000	**$164.15**
Felt Strip, 1/16" x 1/2" x 30"	180-497	**$8.25**
Self-Adhesive Cork Strip, 1/4" x 3 feet	189-125	**$4.22**
Wing Root Reinforcing Grommet	80122-051	**$4.37**
Rubber Airspeed Hose	U83161-002	**$7.77**
Drag Strut Lock Bolt Plate	U10151-000	**$3.40**
#2 Drag Wire Pull Fitting	U10161-004	**$17.24**
#4 Drag Wire Pull Fitting	U10161-005	**$17.24**
#5 Drag Wire Pull Fitting	U10171-003	**$8.03**
#1 Drag Wire Pull Fitting	U10171-004	**$8.03**
Tie Rod Nipple	U10201-000	**$12.94**
Tie Rod Nipple	U10211-000	**$49.91**
Tie Rod Clevis	U10221-000	**$19.54**
Tie Rod Clevis	U10231-000	**$57.90**
Front Spar Butt Hinge Fitting	U10401-000	**$50.54**
Tank Bay Drag Tube	U10641-002	**$179.68**
Idler Adjust Grommet	U10984-000	**$20.62**
Navigation Light Wire Clip	U11061-000	**$8.53**
Upper Wing Root Fairing	U11523-000	**$88.99**
Lower Wing Fairing, Right	U11524-003	**$83.27**
Bottom Root Fairing, Left	U11524-004	**$83.27**
Bottom Root Fairing, Left	U11525-000	**$79.19**
Bottom Root Fairing, Left	U11525-002	**$79.19**
Wing Root Fairing, Left	U11526-000	**$105.15**
Wing Root Fairing, Right	U11526-001	**$105.15**
Airspeed Bracket, Left	U11580-000	**$20.28**
Bottom Wing Fairing, Right	U11659-000	**$38.89**
Inboard Flap Hinge	U11682-000	**$269.89**
Tie Rod Washer	U11933-000	**$27.63**
Tie Down Fitting	U12345-004	**$70.31**
Aileron Horn Assembly	U12454-000	**$575.93**
Inboard False Spar, Left	U12463-000	**$326.93**
Right	U12463-001	**$286.91**
Center False Spar, Left	U12473-000	**$101.67**
Right	U12473-001	**$107.15**
Landing Light Center Attach Bracket	U12524-002	**$30.46**
Landing Light Outboard Attach Bracket, Right	U12524-003	**$22.67**
Left	U12524-004	**$22.55**
Landing Light Attach Plate	U12525-000	**$57.12**
Landing Light Mounting Plate	U12527-002	**$138.16**
Outer Reinforcement Plate	U12529-002	**$31.77**
Landing Light Reinforcement Plate	U12529-003	**$38.27**
Landing Light Lens Attach Strip, Top and Bottom	U12533-002	**$6.26**
Landing Light Lens Attach Strip, Side	U12533-003	**$9.11**
Flap Fairing, Left	U13172-000	**$87.44**
Right	U13172-001	**$87.44**
Pitot Tube	U13764-000	**$217.47**
Rear Spar Butt Hinge Fitting	U14161-000	**$39.95**
#4 Drag Strut	U14222-000	**$192.72**
#2 Drag Strut	U14222-002	**$185.52**
#1 Drag Strut	U14232-002	**$198.78**
Aileron Horn Stop Assembly	U14581-005	**$177.35**
#2 Drag Wire, 45.19" L	U14941-006	**$33.37**
#2 Drag Wire, 56.75" L	U14941-007	**$39.25**
#2 Drag Wire, 44.875" L	U14941-011	**$121.42**
#3 Outboard False Spar, Left	U15572-000	**$72.74**
Right	U15572-001	**$72.74**

Strobe Light Bracket ..... U15722-002 ..... **$173.05**
Lift Strut Grommet ..... U15761-000 ..... **$9.61**
Front Spar Tip Bow Fitting, Rear ..... U16551-000 ..... **$23.50**
Front Spar Tip Bow Fitting, Front ..... U16561-000 ..... **$17.00**
Rear Spar Tip Bow Fitting, Front ..... U16601-000 ..... **$17.16**
Rear Spar Tip Bow Fitting, Rear ..... U16611-000 ..... **$13.13**
Rubber Fairing Seal, 10 Feet ..... U19795-000 ..... **$29.86**
Outboard Aileron Hinge ..... U41881-000 ..... **$91.18**
Outboard Flap Hinge ..... U41881-002 ..... **$122.96**
Aileron Outboard Trailing Edge ..... U42933-003 ..... **$97.48**
Fork, Special Length for Control Cable Turnbuckles ..... U461-132 ..... **$57.35**
Teardrop Reinforcement Patch, 4.5" x 2" ..... U60863-003 ..... **$4.57**
Teardrop Reinforcement Patch, 4.5" x 2" ..... U60863-005 ..... **$10.12**
Fuel Tank Strap Washer ..... U80122-011 ..... **$1.25**
Wing Drain Grommet ..... U80122-053 ..... **$4.52**
Rectangular Inspection Plate Grommet ..... U80541-002 ..... **$16.33**
Square Washer ..... U81102-002 ..... **$6.74**
Tie Rod Clevis Square Washer ..... U81102-003 ..... **$5.05**
Rectangular Inspection Cover ..... U82461-000 ..... **$19.87**
Washer ..... U85012-010 ..... **$6.22**
Reinforcing Grommet ..... U85012-049 ..... **$5.63**
Round Inspection Cover Grommet ..... U85012-078 ..... **$9.91**

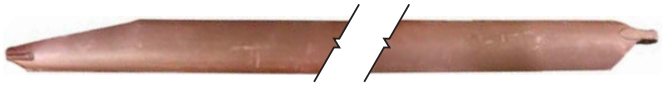
Round Inspection Plates

Original Piper Style, 4.75" Diameter
U12761-002 ..... **$51.66**
Generic Equivalent, 4.75" Diameter
483-10 ..... **$2.58**

Lift Struts

FAA-PMA APPROVED

Eliminate repetitive AD inspections of your struts and forks with Univair's new oiled and sealed lift struts. Complies with AD 2015-08-04. These struts include the new heavy duty, heat treated, magnafluxed ⅝" rolled thread strut fork and nut.



Front Lift Strut ..... U85560-002 ..... **$776.09**
Rear Lift Strut ..... U85559-002 ..... **$776.09**

Lift Strut Hardware
Lift Strut Clevis Bolt ..... U13241-000 ..... **$19.20**
Shear Castle Nut ..... AN320-6 ..... **$1.00**
Cotter Pin (AN380-3-3) ..... MS24665-283 ..... **$0.08**

Ailerons and Flaps

FAA-PMA APPROVED

Flap, Left ..... U12469-000 ..... **$1,526.40**
Right ..... U12469-001 ..... **$1,526.40**
Aileron, Left ..... U12468-000 ..... **$1,956.02**
Right ..... U12468-001 ..... **$1,956.02**

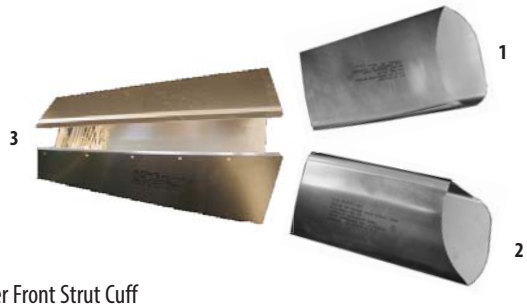
Stainless Steel Lift Strut Forks

FAA-PMA APPROVED

A) Original Size 7/16" Diameter Rolled Thread Fork,
(Nut Not Included) ..... U14481-003 ..... **$130.37**
B) Heavy Duty ⅝" Diameter Heat Treated Fork
For Sealed Struts Only (Nut Included) ..... U89201-003 ..... **$164.19**

PA-22 Strut Cuffs and Fairing

FAA-PMA APPROVED



1) Upper Front Strut Cuff
Left with Tie Down Ring ..... U12973-004 ..... **$166.79**
Left without Tie Down Ring ..... U12973-000 ..... **$152.09**
Right with Tie Down Ring ..... U12973-003 ..... **$166.79**
Right without Tie Down Ring ..... 12973-001 ..... **$152.09**
2) Upper Rear Strut Cuff
Left ..... U12974-000 ..... **$114.66**
Right ..... U12974-001 ..... **$114.66**
3) Lower Strut Fairing
Left ..... U12969-000 ..... **$173.11**
Right ..... U12969-001 ..... **$179.07**

Spars

FAA-PMA APPROVED

PA-20 Spar Assembly
Front Wing Spar, Left ..... U11753-002 ..... **$971.25**
Right ..... U11753-007 ..... **$971.25**
Rear Wing Spar, Left ..... U11754-007 ..... **$798.00**
Right ..... U11754-008 ..... **$798.00**

PA-22 Spar Assembly
Rear Wing Spar, S/N 1 to 2425, except 2378, Left ..... U11754-007 ..... **$798.00**
Right ..... U11754-008 ..... **$798.00**
Rear Wing Spar, S/N 2378, 2425 to 7642, Left ..... U14399-002 ..... **$798.00**
Right ..... U14399-003 ..... **$798.00**
Rear Wing Spar, S/N 8000 and up, Left ..... U14399-006 ..... **$798.00**
Right ..... U14399-007 ..... **$798.00**
Front Wing Spar, S/N 1 to 2425, except 2378, Left ..... U11753-002 ..... **$971.25**
Right ..... U11753-007 ..... **$971.25**
Front Wing Spar, S/N 2378, 2425 and up, Left ..... U14398-002 ..... **$971.25**
Right ..... U14398-003 ..... **$971.25**

Please refer to your parts manuals (20PM, 22PM) for exact model and serial number applicability of parts in this catalog.

Wing Leading Edge Skins

FAA-PMA APPROVED

Inboard Leading Edge Skin, Left ..... U10630-008 ..... **$183.94**
Inboard Leading Edge Skin, Right ..... U10630-005 ..... **$183.94**
Inboard Leading Edge Skin, Right ..... 15137-000 ..... **$149.04**
Center Leading Edge Skin, Left or Right ..... U15482-005 ..... **$266.12**
Center Leading Edge Skin, Left or Right ..... U15482-004 ..... **$266.12**
Center Leading Edge Skin, Left ..... U14405-000 ..... **$258.47**
Right ..... U14405-001 ..... **$258.47**
Outboard Leading Edge Skin, Left or Right ..... U13072-005 ..... **$90.06**
Wingtip Leading Edge Skin, Left ..... U15723-000 ..... **$315.28**
Right ..... U15723-001 ..... **$315.28**

Fairlead Halves and Snap Ring

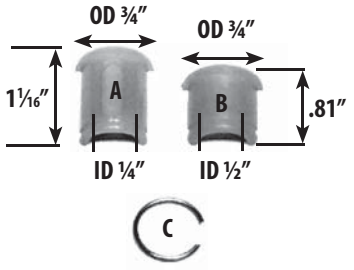
FAA-PMA APPROVED

- Fairlead halves are priced and sold individually

A) Long Fairlead Segment, Half
U40701-000 ..... **$1.44**

B) Short Fairlead Segment, Half
U40071-000 ..... **$1.45**

C) Snap Ring
U40081-000 ..... **$0.54**



Aluminum Bearing Block Repair Kit

STC APPROVED

Simple repair for most all fabric-covered Piper. Allows repair of bearing block on flap and aileron hinge, and avoids need to replace bearing blocks. Simple and practical repair. Kit includes bushings, clevis pins, reamer and adhesive.

- STC approved for use on Piper J-3, J-5, PA-11, PA-12, PA-14, PA-15, PA-16, PA-17, PA-18, PA-19, PA-20, PA-22, and PA-25
- Provide aircraft model, registration numbers, and serial number when ordering

Piper Bearing Block Repair Kit ..... STC-SA02128LA **$409.06**

Door Latch Kit

FAA-PMA APPROVED

- Various applications on most Piper models J-3 through PA-25
- Kit includes stud, latch and screws

U52745-000 ..... **$5.59**

Wing Panel Assembly

See Figure 1 on page 125

'U' prefixes on part numbers indicate an FAA-PMA approved part.
All products are priced and sold individually unless otherwise noted.

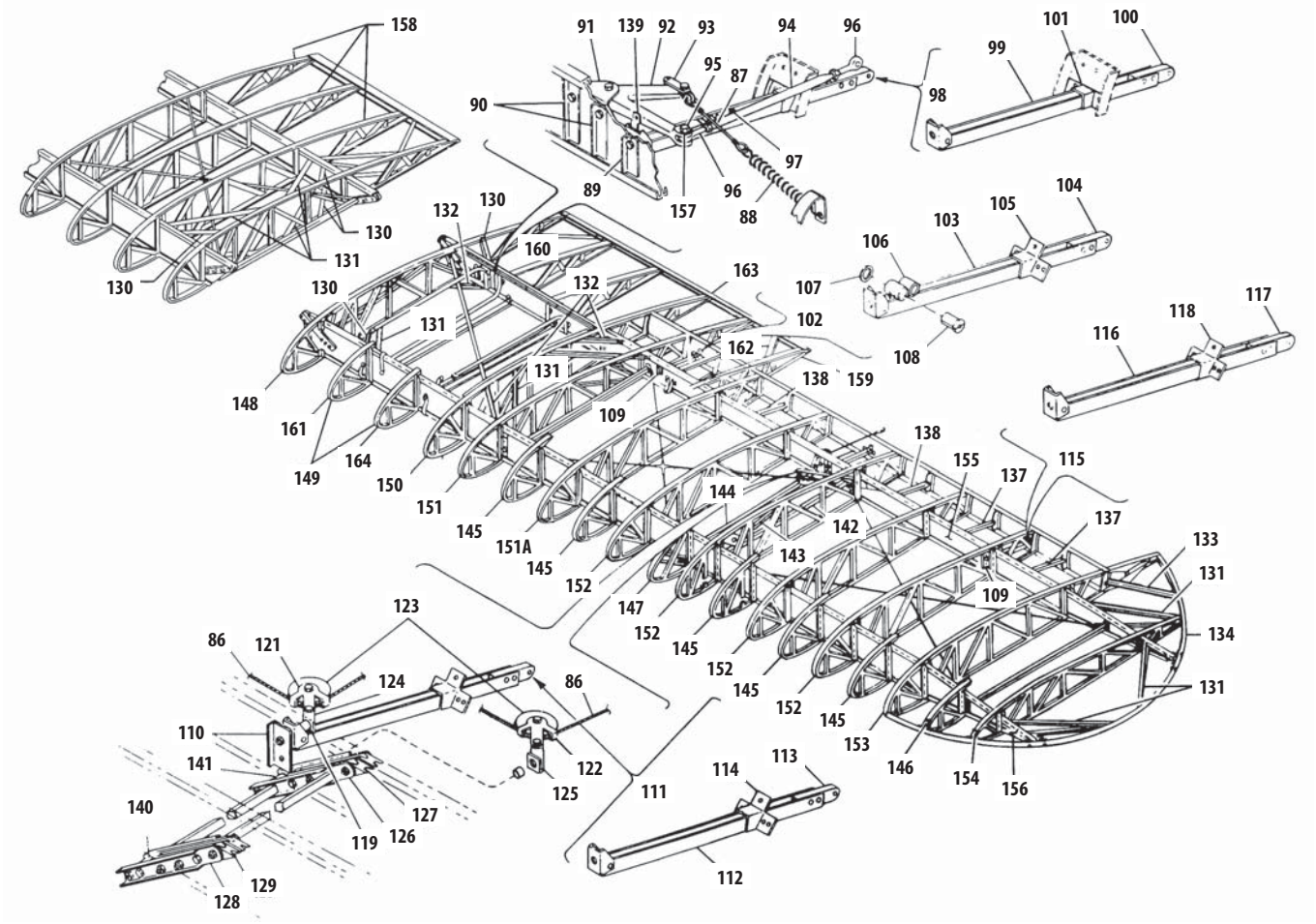
Fig	Description	Part #	Price
86	Aileron Cable Assembly, Galvanized Steel	U11527-002	**$174.01**
87	Flap Return Spring	U14384-000	**$34.39**
88	Flap Return Spring	U10940-000	**$37.01**
	Flap Return Spring (487-328)	U14384-000	**$34.39**
89	Rear Spar Angle, #1 Flap Hinge Bracket	U11675-003	**$21.33**
90	Rear Spar Angle, Flap Bellcrank Bracket	U11675-002	**$21.33**
91	Flap Bellcrank Attach Bracket	U11672-000	**$73.17**
92	Flap Bellcrank, Left	U40092-010	**$208.85**
	Flap Bellcrank, Right	U40092-009	**$197.54**
93	Flap Cable Attach Link, at Bellcrank	U81262-014	**$6.95**
94	Flap Push-Pull Control Rod	U11677-000	**$71.41**
95	Flap Bellcrank Screw	12713-004	**$2.92**
	Flat Head Screw (410-050)	MS24694S63	**$0.24**
96	Bearing, Flap Push-Pull Rod End	U452-335	**$51.72**
97	Flap Cable Rub Strip	90150-02	**N/A**
98	Inboard Flap Hinge Bracket, #1	U12474-002	**$241.65**
99	Hinge Bracket	U10912-006	**$117.22**
100	Bearing Block	U10921-000	**$27.54**
101	Attach Clamp, at False Spar	U12476-000	**$15.84**
102	Outboard Flap Hinge Bracket, #2	U12474-000	**$377.92**
103	Hinge Bracket	U10912-006	**$117.22**
104	Bearing Block	U10921-000	**$27.54**
105	False Spar Attach Clamp	U12056-002	**$23.54**
106	Aileron Cable Guide	U12467-000	**$106.13**
107	Fairlead Snap Ring	U40081-000	**$0.54**
108	Long Fairlead Segment, Half	U40701-000	**$1.44**
109	Rear Spar Angle, at #2 Flap/Aileron Hinge Bracket	U10291-000	**$26.29**
110	Rear Spar Angle, at Aileron Pulley Bracket	U14401-007	**$11.19**
111	Bracket Assembly, Aileron Hinge, #1 Inboard	U10703-002	**$157.14**
112	Hinge Bracket	U10912-008	**$133.26**
113	Bearing Block	U10921-000	**$27.54**
114	False Spar Attach Clamp	U12056-002	**$23.54**
115	Outboard Aileron Hinge Bracket, #2	U10703-000	**$169.56**
116	Hinge Bracket	U10912-006	**$117.22**
117	Bearing Block	U10921-000	**$27.54**
118	False Spar Attach Clamp	U12056-002	**$23.54**
119	Upper Aileron Pulley Housing Bushing	86102-054	**$21.21**
120	Spacer Bushing	U86102-062	**$13.02**
121	Aileron Pulley Housing, Upper	U41291-000	**$61.65**
122	Aileron Pulley Housing, Lower	12462-000	**$104.27**
123	Aileron Cable Pulley	U40991-000	**$20.19**
124	Upper Aileron Pulley Housing Fitting	U14261-002	**$88.07**
125	Lower Aileron Pulley Housing Fitting, Left	U12466-000	**$93.79**
	Lower Aileron Pulley Housing Fitting, Right	U12466-001	**$61.35**
126	Rear Spar Lift Strut Fitting	U11755-003	**$56.36**
127	Filler Block	U11757-002	**$43.76**
128	Front Spar Lift Strut Fitting	U11755-000	**$66.81**
129	Filler Block	U11757-000	**$62.31**
130	Channel Brace, 8½" Long, at #1 Rib	U12252-002	**$14.33**
131	Channel Brace, 16" Long, at #1, #4, #12 Rib/Bow to Spar	U12252-003	**$18.60**
132	Channel Brace, 6¼", #4 and #1 Rib to Spar	U12252-006	**$15.54**
133	Channel Brace, 11", #11 Rib to Bow	U12252-005	**$14.33**
134	Wood Wing Tip Bow	U453-126	**$50.86**
135	False Spar Channel Brace, Top	12252-12	**N/A**
136	False Spar Channel Brace, Bottom	12252-11	**N/A**
137	Aileron False Spar Brace, #3 and #4	U14541-000	**$63.61**
138	Aileron False Spar Brace, #1 and #2	U14541-002	**$104.22**
139	Flap Bellcrank Stop Plate	U11678-000	**$24.14**
140	Spacer, Rear Spar Lift Strut Fitting	U15631-003	**$20.01**

141	Front Spar Lift Strut Fitting Spacer	U15631-002	**$20.01**
142	Lower 'N' Brace Tube, at Strut Point	U16472-000	**$145.48**
143	Diagonal 'N' Brace Tube, at Strut Point	U11771-000	**$119.78**
144	Upper 'N' Brace Tube, at Strut Point	U16462-000	**$144.97**
145	Nose Rib Assembly (15831-002)	U1200-02	**$32.76**
146	Wing Tip Nose Rib, Left (16192-000)	U1216-00	**$35.27**
	Wing Tip Nose Rib, Right (19192-001)	U1216-01	**$52.56**
147	Nose Rib Assembly, at Strut Point (15712-000)	U1200-05	**$46.08**
148	Butt Rib Assembly, #1, Left (12470-000)	U1225-00	**$209.63**
	Butt Rib Assembly, #1, Right (12470-001)	U1225-01	**$160.40**
149	Rib Assembly, #2 and #3, L/R (12472-000)	U1226-00	**$196.17**
150	Rib Assembly, #4, Left (12470-000)	U1225-00	**$209.63**
	Rib Assembly, #4, Right (12470-001)	U1225-01	**$160.40**
151	Rib Assembly, #5 and #6, L/R (12046-004)	U1207-00	**$185.63**
152	Rib Assembly, #7, #8, #9, #10, L/R (12046-004)	U1207-00	**$185.63**
153	Rib Assembly, #11, Aileron OB, LH (12046-007)	U1206-00	**$238.60**
	Rib Assembly, #11, Aileron OB, RH (12046-008)	U1206-01	**$220.47**
154	Rib Assembly, #12, Tip, Left (10742-002)	U1202-00	**$208.37**
	Rib Assembly, #12, Tip, Right (10742-003)	U1202-01	**$197.06**
155	Rear Wing Spar Assembly, Left	U11754-007	**$798.00**
	Rear Wing Spar Assembly, Right	U11754-008	**$798.00**
156	Front Wing Spar Assembly, Left	U11753-002	**$971.25**
	Spar Assembly, Wing, Front, Right	U11753-007	**$971.25**
157	Flap Push-Pull Rod Attach Washer	80122-007	**$9.53**

Figure 1 • Wing Panel Assembly

Parts list begins on page 124.

The ribs illustrated below are the original "truss type" Piper ribs. The ribs in our listing are Univair's STC approved one-piece stamped aluminum ribs. Original Piper ribs are listed in parenthesis. See pages 135 to 141 for details on ribs.



PIPER PA-25 PAWNEE

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Many parts can be correctly identified by the nomenclature listed in this section. However, we suggest that you also have the correct parts manual for positive identification.

Control System

Description	Part #	Price
Control Knob, Black	471-060	**$3.70**
Upper Elevator Trim Control Spring	61436-000	**$53.62**
Torque Tube Bearing Washer	80122-017	**$7.39**
Elevator Trim Arm Washer	85012-079	**$8.07**
Aluminum Bearing Block Repair Kit	STC-SA02128LA	**$409.06**
Elevator Cable Link	U10449-000	**$37.70**
Control Knob, Black	U10911-000	**$13.71**
Fairlead 'U' Bracket	U11151-000	**$9.88**
Front Control Stick Lower Stub	U13729-000	**$486.65**
Short Fairlead Segment, Half	U40071-000	**$1.45**
Flap Control Bellcrank, Right	U40092-009	**$197.54**
Left	U40092-010	**$208.85**
Stabilizer Adjust Trim Crank	U41111-000	**$139.81**
Attach Shim	U41371-002	**$4.39**
Torque Tube Bearing Attach Shim (41371-003)	U41371-005	**$13.14**
Torque Tube Bearing Shim	U41371-005	**$13.14**
Rod End Bearing	U452-335	**$51.72**
Flap Cable Pulley Bushing	U80012-004	**$9.79**
Pulley Washer	U80122-018	**$2.38**
Elevator Trim Arm Washer	U80122-020	**$7.39**
Rudder Pedal Bar Clamp	U80222-024	**$37.88**
Flap Bellcrank Link	U81262-014	**$6.95**
Aileron Cable Link	U81352-011	**$11.51**

Control Cables

Description	Part #	Price
Flap Control Cable, Left, 34.88", Stainless	U42702-002	**$259.50**
Flap Control Cable, Right, 66.62", Stainless	U42702-003	**$260.99**
Aileron Control Cable, 160.56", Stainless	U42702-004	**$249.84**
Aileron Balance Cable, 143.59", Stainless	U42702-005	**$249.84**
Lower Elevator Control Cable, 187.75", Stainless	U42702-007	**$235.38**
Flap Control Cable, 27.13", Stainless	U61181-013	**$201.23**
Elevator Trim Cable, 118.44" Stainless	U61181-016	**$142.30**
Rudder Cable, 160.75", Stainless	U61181-019	**$198.86**
Shoulder Harness Cable, 45.0", Stainless	U61181-024	**$122.29**

Piper Pulleys

FAA-PMA APPROVED

1

2

3

Description	O.D. x I.D.	Part #	Price
1) Fiber Pulley	2¾" x ⅜"	U40991-000	**$20.19**
2) Fiber Pulley	2¾" x 5/16"	U41001-008	**$77.99**
3) Fiber Pulley	1¾" x ¼"	U80421-000	**$13.64**

Electrical System

Description	Part #	Price
Clear Landing Light Lens, 13.75" Long	12532-003	**$103.95**
Battery Terminal Bolt	14069-000	**$48.03**
Battery Box Lid	17566-003	**$121.12**
Mounting Plate	450-740	**$60.25**
Circuit Breaker, 25 Amp	454-660	**$128.17**
Contactor	455-151	**$540.00**
Ignition Switch	487-823	**$17.66**
Switch	487-827	**$19.80**
Landing Light Center Attach Bracket	U12524-002	**$30.46**
Landing Light Outboard Bracket, Right	U12524-003	**$22.67**
Left	U12524-004	**$22.55**
Landing Light Attach Plate	U12525-000	**$57.12**
Landing Light Mounting Plate	U12527-003	**$142.99**
Wing Navigation Light Bracket	U12560-000	**$151.75**
Landing Light Lens Attaching Strip	U14787-003	**$16.39**

Concorde Batteries

- Applicability: Piper PA-25
- Valve regulated sealed lead acid batteries

12 Volt, 22 Amp Hour ..... RG-25 ..... **$368.00**
12 Volt, 24 Amp Hour, Extra Capacity ..... RG-25XC **$429.00**
12 Volt, 29 Amp Hour ..... RG-35A **$479.00**
12 Volt, 33 Amp Hour, Extra Capacity ..... RG-35AXC **$512.00**

Engine • Cowling

Description	Part #	Price
Aero Classics Oil Cooler	8000328	**$778.33**
Air Duct Hose, Muffler to Cabin Heat Box	10525-018	**$42.05**
Front Engine Stop Attachment Lug	12409-000	**$32.80**
Cowl Support Rod	12809-000	**$136.40**
Oil Radiator Lock Plate	13726-000	**$7.06**
Oil Temperature Bulb Adapter	15244-000	**$61.53**
Carburetor Air Filter Cover	16553-002	**$19.11**
Oil Radiator Installation Bumper	453-647	**$3.82**
Carburetor Control Knob, Black	471-060	**$3.70**
Ring Seal	484-654	**$2.45**
Fiber Engine Mount Washer	80122-043	**$4.98**
Propeller Bolt Washer	80122-055	**$6.34**
Washer, Elevator Bellcrank to Cable Link	81342-019	**$0.14**
Muffler Shroud Clip	U10430-000	**$78.53**
Air Scoop	U13717-000	**$351.48**
Oil Radiator Mounting Bracket, Right	U13720-004	**$332.27**
Left	U13725-007	**$654.54**
Exhaust Stack Clamp	U14235-000	**$39.90**
Exhaust Stack Clamp	U14235-008	**$66.78**
Exhaust Tube Clamp	U14235-012	**$36.18**
Intercylinder Tie Rod, Front and Rear Baffles	U14513-000	**$55.10**
Cable Swivel Fitting, Cabin Heat	U70371-000	**$62.65**
Cable Swivel Fitting, Carburetor Heat	U70371-002	**$18.28**
Swivel Stud Fitting	U70371-003	**$29.12**
Carburetor Heat Control Cable Clamp	U80032-034	**$30.12**
Washer	U81342-019	**$4.63**
Felt Washer	U85012-014	**$5.15**
Fiber Cowl Attach Washer	U85012-047	**$0.92**
Swivel Cable Attach Fitting	U91193-000	**$22.79**

Exhaust System

Rear Cylinder Exhaust Stack ..... U12043-022 ..... **$1,770.62**
Front Cylinder Exhaust Stack ..... U12043-023 ..... **$1,378.63**
Side Outlet Exhaust Tailpipe, S/N 656 and up ..... 61764-003 ..... **$581.81**
Muffler Assembly ..... U10308-003 ..... **$2,343.00**
Exhaust Tailpipe, S/N 1 to 655 ..... U11417-003 ..... **$481.86**

Nose Cowl

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- Applicability: Pawnee 150hp

Nose Cowl ..... U13778-000 ..... **$2,313.69**

Engine Mounts

FAA-PMA APPROVED

150hp ..... U11786-013 ..... **$1,824.91**
235-260hp ..... L64030-000 ..... **$2,601.96**

Spinner Assemblies

FAA-PMA APPROVED

150hp Spinner Assembly

Spinner Dome ..... U14422-000 ..... **$569.17**
Front Plate ..... U14426-000 ..... **$208.86**
Back Plate ..... U14424-000 ..... **$272.32**
Complete Assembly ..... U14422-A **$844.05**

235hp Spinner Components

- Assembly for fixed-pitch propellers, serial numbers 2986 to 3691

Spinner Dome ..... U14422-000 ..... **$569.17**
Front Plate ..... U14426-004 ..... **$213.64**
Back Plate ..... U14424-005 ..... **$259.74**
Complete Assembly ..... U14422-B **$881.80**

Spinner Components for 235hp with FA8452 McCauley Propeller

We recommend that both front and back plates be replaced at the same time. Our plates have a slight rotation of prop bolt holes to eliminate dome-propeller contact, thus decreasing plate and dome stress.

Spinner Dome ..... U64336-000 ..... **$640.82**
Front Plate ..... U64309-000 ..... **$266.35**
Back Plate ..... U64310-000 ..... **$332.13**
Complete Assembly ..... 64336-A **$1,208.21**

Engine Baffles for 150hp Pawnee

FAA-PMA APPROVED

Front Engine Baffles

Left ..... U14429-000 ..... **$253.79**
Right ..... U14439-000 ..... **$290.63**
Left ..... U14440-000 ..... **$281.20**

Rear Engine Baffles

Left ..... U14430-000 ..... **$218.97**
Left ..... U14431-006 ..... **$603.37**
Right ..... U14437-000 ..... **$177.90**
Right ..... U14443-005 ..... **$617.43**

Tachometer Cable

FAA-PMA APPROVED

PA-25, Recording, 147" ..... TACH-147 ..... **$314.21**

Frame

Description	Part #	Price
Plate	14495-000	$44.25
Control Knob, Black	471-060	$3.70
Grommet	61692-000	$3.65
Fin	64062-000	$1,104.02
Fabric Reinforcement	U10293-002	$25.17
Inspection Hole Plate	U12761-002	$51.66
Ventilator Gasket	U13914-000	$9.58
Vent Door Plate	U14240-002	$49.91
Vent Door Gasket	U14240-003	$12.26
Vent Door Plate	U14246-000	$37.62
Vent Door Gasket	U14246-002	$7.00
Fitting Assembly	U21242-002	$244.83
Fitting Assembly	U21242-003	$244.83
Control Knob, Black	U471-059	$4.56
Door Latch Kit (includes stud, catch and screws)	U52745-000	$5.59
Bottom Left Panel	U64788-000	$127.23
Rear Stabilizer Inspection Grommet	U64834-000	$39.07
Elevator Cable Pulley Bushing	U80012-004	$9.79
Short Bushing	U80022-045	$1.76
Washer	U80122-018	$2.38
Rectangular Inspection Cover	U82461-000	$19.87
Inspection Grommet	U85012-078	$9.91
Adjustable Stop Screw	U85061-000	$12.82

Fairlead Halves and Snap Ring

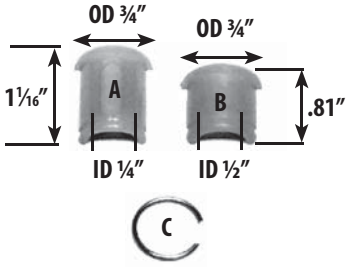
FAA-PMA APPROVED

- Fairlead halves are priced and sold individually

A) Long Fairlead Segment, Half
U40701-000 ..... $1.44

B) Short Fairlead Segment, Half
U40071-000 ..... $1.45

C) Snap Ring
U40081-000 ..... $0.54



Piper Grommets

1) Grommet, Tail	U10292-000	$14.33
2) Grommet	U80122-053	$4.52
3) Grommet, Inspection Plate	U85012-078	$9.91
4) Grommet, Tail	U10293-000	$11.81
5) Grommet	U64834-000	$39.07
6) Grommet	U80541-002	$16.33
7) Grommet	U61326-000	$124.96

Fuel System

Description	Part #	Price
Primer Line, Right Rear Tee to Right Rear Cylinder	10143-018	$74.32
Primer Line, Left Rear Tee to Left Rear Cylinder	10143-095	$82.76
Primer Line, Left Rear Tee to Right Rear Tee	11987-055	$61.70
Primer Line Attach Clamp	18307-000	$39.83
Fuel Sump Bowl	22034-000	$220.00
Drain Valve (-22179-000)	CAV-110H-4	$35.47
Fuel Valve Control Knob, Red	108-6221502-20	$7.70
Fuel Strainer Bowl	U12764-000	$150.74
Fuel Strainer Assembly	U14330-002	$331.37
Mounting Bracket for Primer Tees	U14470-000	$10.64
Primer Jet, Straight Type	U31197-000	$72.82
Gascolator Bail	U494-644	$78.39
Fuel Tank Strainer	U72091-000	$76.36
Fuel Strainer Screen	U750-272	$3.18
Primer Line Clamp	U80032-069	$31.43
Fuel Tank Strap Stud	U80111-000	$26.52
Gascolator Gasket	U85012-032	$4.62
Gascolator Cover	U87477-002	$135.42

Flexible Fuel Line

FAA-PMA APPROVED

- 15" length
- Gascolator to carburetor

U17766-065 ..... $249.52

Engine Primer Pump Assembly

FAA-PMA APPROVED

U451-100 ..... $462.19

Landing Gear

Description	Part #	Price
Tailwheel Spring, Middle Leaf	10999-003	$64.93
Tailwheel Spring, Bottom Leaf	10999-005	$77.54
Tailwheel Spring Pad	30541-003	$11.28
Bushing	61402-046	$19.45
Shock Strut Top End Fitting	U12639-000	$419.49
Lower Shock Strut Fitting	U12875-000	$259.32
Axle Nut, 1.5"	U13020-000	$90.65
Wheel Cover	U24918-000	$42.43
Tailwheel Spring Clamp	U30531-002	$112.46
Scott Spring	U3222	$16.51
Tailwheel Spring Connector Kit	U3239A-101	$97.00

Scott Spacer, 1.25" ..... U3243-2 ..... **$83.27**
Scott Spacer ..... U3258 ..... **$3.17**
Scott Spacer ..... U3258-1 ..... **$2.98**
Shock Absorber ..... U487-558-1 ..... **$531.60**
Shock Assembly ..... U64052-002 ..... **$1,970.00**
Bushing ..... U80022-063 ..... **$17.51**
Tailwheel Attach Washer ..... U85012-048 ..... **$10.24**
Washer ..... U85012-057 ..... **$6.27**

Tailwheel Springs

FAA-PMA APPROVED

Pawnee 150hp 4-leaf Set ..... PA18TWS4L **$259.50**
3-leaf, 1-hole ..... PA25TWS1-3L **$247.92**

Pawnee 4-leaf, 1-hole, Complete Set ..... PA25TWS1 ..... **$326.75**
Tailwheel Spring, Bottom Leaf ..... U64079-002 ..... **$103.74**
Tailwheel Spring, Middle Leaf ..... U64079-003 ..... **$85.35**
Tailwheel Spring, Middle Leaf ..... U64079-004 ..... **$69.13**
Tailwheel Spring, Top Leaf ..... U64079-005 ..... **$74.20**

Pawnee 4-leaf, 2-hole, Complete Set
S/N 4387 to 4921 ..... PA25TWS2 ..... **$350.25**
S/N 4922 and up ..... PA25TWS2-1 ..... **$357.80**
Tailwheel Spring, Bottom Leaf ..... U64901-002 ..... **$109.05**
Tailwheel Spring, Middle Leaf ..... U64901-003 ..... **$102.76**
Tailwheel Spring, Middle Leaf ..... U64901-004 ..... **$84.55**
Tailwheel Spring, Top Leaf ..... U64901-005 ..... **$95.09**

Hydrasorb Shock Assembly

FAA-PMA APPROVED

These parts are originally used on PA-25 Pawnee 235-260hp with serial numbers 2772 to 4171 and 7405573 and up.

1) Top Fitting ..... U64026-006 ..... **$655.07**
2) Hydrasorb ..... U486-604-1 ..... **$1,156.02**
3) Bottom Fitting ..... U64029-000 ..... **$360.80**
4) Shock Cord ..... U31322-005 ..... **$45.05**
5) Hydrasorb Assembly (1280 HD) ..... U64052-003 ..... **$2,239.64**

Shock Cords

- Priced and sold individually
- Applicability: Piper PA-25

Standard ..... U31322-006 ..... **$48.98**
Heavy Duty Cold Weather ..... 1080HD-CW **$65.27**

Bushwheel 3200 Tailwheel

FAA-PMA APPROVED

- Applicability: Pawnee 235-260hp, serial numbers 4387 and up (2 hole type)

Pawnee Tailwheel
ABI-3200-3 ..... **$1,893.38**

Landing Gear

FAA-PMA APPROVED

Pawnee 235-260hp Landing Gear
Left ..... L60277-002 ..... **$3,252.38**
Right ..... L60277-003 ..... **$3,252.38**

Propellers

Univair furnishes a bolt kit with each propeller purchase. Bolt kits can also be purchased separately from our website.

Propeller descriptions below show basic aircraft/engine model applicability. Check manufacturer's websites for exact applicability before purchasing, or contact our sales staff at 1-888-433-5433 and we can research it for you.

Please note that we do not stock all of the propellers listed. Non-stocked propellers require 4-6 months for delivery.

McCauley Aluminum Fixed-Pitch Propellers

PA-25, Lycoming O-540 ..... AFA8452 ..... **CALL**
PA-25, Lycoming O-540 ..... FA8452 ..... **CALL**

Sensenich Aluminum Propellers

PA-25, Lycoming O-320 ..... 74DM6-0-52 ..... **$8,155.80**

FREE SHIPPING on qualifying orders

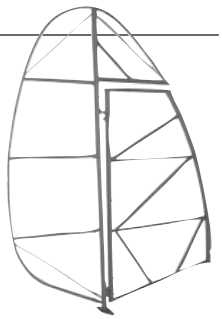
Contiguous 48 U.S. states only.
See page 3 for additional details.

Tail Section

Description	Part #	Price
Stabilizer Yoke Inspection Grommet	U10292-000	**$14.33**
Rear Stabilizer Inspection Grommet	U10293-000	**$11.81**
Cable Link	U10449-000	**$37.70**
Tail Brace Wire Assembly, Upper	U10555-002	**$231.11**
Lower	U10556-002	**$231.11**
Rudder Arm	U1140A-000	**$241.37**
Tail Brace Wire, Upper	U41031-002	**$46.77**
Lower	U41031-003	**$41.14**
Brass Tie Rod Nipple	U41051-000	**$33.64**
Tail Inspection Plate, Left	U60742-000	**$42.37**
Right	U60742-001	**$42.37**
Bottom Wire Lower Clevis	U61340-000	**$48.85**
Top Wire Lower Clevis	U61341-002	**$48.85**
Top Wire Upper Clevis	U61341-003	**$36.88**
Rear Stabilizer Inspection Grommet	U64834-000	**$39.07**
Tail Inspection Plate, Left	U64835-000	**$58.59**
Right	U64835-001	**$58.59**
Elevator Horn Attach Bushing	U80012-017	**$14.01**
Long Bushing	U80022-044	**$1.40**
Short Bushing	U80022-045	**$1.76**
Wing Drain Grommet	U80122-053	**$4.52**
Rectangle Inspection Plate Grommet	U80541-002	**$16.33**
Tail Brace Wire Attach Bushing	U82732-072	**$7.14**

Elevator and Stabilizer

FAA-PMA APPROVED



Elevator

150hp ..... U12649-000 ..... **$936.47**
235-260hp ..... U64275-000 ..... **$1,473.78**

Stabilizer

150hp ..... U12647-000 ..... **$1,024.64**
235-260hp ..... U64274-000 ..... **$1,740.00**

Windows • Windshields

Prices below are for clear windows and windshields only. See our website for prices and availability of Solar Gray and Green tinted versions. Delivery time is 10 to 12 weeks for non-stock items.

Windshield (S/N 1 to 655)	61312-000	**$253.94**
Windshield (S/N 656 and up)	61802-003	**$253.94**
Door Window	61407-000	**$230.92**
Door Window	64815-000	**$201.22**
Access Window Assembly, Left	64818-000	**$117.32**
Right	64818-001	**$117.32**

Wings

Description	Part #	Price
Reinforcing Plate	11473-047	**$14.42**
Clear Landing Light Lens, 13.75"	12532-003	**$103.95**
Pitot Tube	14494-000	**$164.15**
"Do Not Paint" Self-adhesive Decal	450-741	**$38.31**
Jury Strut Tube	61289-000	**$359.45**
Front Lift Strut Fairing, Left	61300-000	**$168.12**
Right	61300-001	**$168.12**
Intermediate Jury Strut	64260-000	**$279.76**
Inboard Jury Strut, Left	64262-000	**$866.91**
Right	64262-001	**$866.91**
Spar Butt Hinge Bushing	80022-031	**$13.74**
Aileron Pulley Washer	80122-110	**$2.96**
Lock Plate	U10151-000	**$3.40**
Drag Wire Pull Fitting	U10161-004	**$17.24**
Drag Wire Pull Fitting	U10161-005	**$17.24**
Drag Wire Pull Fitting	U10171-004	**$8.03**
Tie Rod Nipple	U10201-000	**$12.94**
Tie Rod Nipple	U10211-000	**$49.91**
Tie Rod Clevis	U10221-000	**$19.54**
Aileron Hinge Bracket	U10703-000	**$169.56**
Aileron Hinge Bracket	U10912-006	**$117.22**
Bearing Block	U10921-000	**$27.54**
Fairlead Bracket	U11151-002	**$10.26**
Airspeed Bracket	U11580-000	**$20.28**
Flap Bellcrank Bracket	U11672-000	**$73.17**
Inboard Flap Hinge	U11682-000	**$269.89**
Tie Rod Washer	U11933-000	**$27.63**
Flap Hinge Bracket, Inboard	U12474-002	**$241.65**
Flap Hinge Bracket, Outboard	U12474-003	**$228.95**
Navigation Light Bracket	U12560-000	**$151.75**
Fuel Tank Cover, Right	U12570-013	**$442.07**
Left	U12570-014	**$442.07**
Round Inspection Hole Cover	U12761-002	**$51.66**
Generic Round Inspection Hole Cover	483-10	**$2.58**
Pitot Tube	U13764-000	**$217.47**
Drag Strut, Station 175	U14222-000	**$192.72**
False Spar, Left	U14382-000	**$111.59**
Right	U14382-001	**$87.27**
Square Aileron Stop	U14581-000	**$253.22**
Drag Wire, #1, #2, #3 Wing Bay, 45.19" L	U14941-006	**$33.37**
Drag Wire, #4 Wing Bay, 56.75" L	U14941-007	**$39.25**
Drag Wire, #2 Wing Bay, 44.875" L	U14941-011	**$121.42**
Front Spar Tip Bow Fitting	U16551-000	**$23.50**
Front Spar Tip Bow Fitting	U16561-000	**$17.00**
Rear Spar Tip Bow Fitting	U16601-000	**$17.16**
Rear Spar Tip Bow Fitting	U16611-000	**$13.13**
Fairing Seal, 10 Feet	U19795-000	**$29.86**
Aileron Horn Assembly	U40501-000	**$208.15**
Aileron Hinge, Inboard and Outboard	U41881-000	**$91.18**
Outboard Flap Hinge	U41881-002	**$122.96**
Aileron Center Hinge	U41891-000	**$89.85**

Aileron Assembly, Uncovered, Left	U42585-000	**$1,707.17**
Right	U42585-001	**$1,707.17**
Flap Assembly, Uncovered, Left	U61129-000	**$2,181.65**
Right	U61129-001	**$2,181.65**
Strut Fairing Grommet	U61326-000	**$124.96**
Doubler	U64188-000	**$30.71**
Wing Drain Grommet	U80122-053	**$4.52**
Aileron Pulley, 1.75" x .25"	U80421-000	**$13.64**
Rectangle Inspection Plate Grommet	U80541-002	**$16.33**
Square Washer	U81102-002	**$6.74**
Tie Rod Clevis Square Washer	U81102-003	**$5.05**
Balance Cable Link	U81262-036	**$20.28**
Rectangular Inspection Cover	U82461-000	**$19.87**
Wing Inspection Cover	U82461-100	**$15.19**

Leading Edges

FAA-PMA APPROVED

Inboard Leading Edge		
#1, Left	U60015-000	**$187.91**
#1, Right	U60015-001	**$187.91**
#2, Left	U61297-000	**$196.43**
#2, Right	U61297-001	**$196.43**
Center Leading Edge		
#3, Left	U61296-000	**$294.05**
#3, Right	U61296-001	**$294.05**
Outboard Leading Edge		
#4, S/N 1 to 7405572, Left/Right	U13072-006	**$108.54**
#4, S/N 7405573 and up, 235-260hp, Left/Right	U13072-007	**$80.33**
#5, S/N 7405573 and up, 235-260hp, Left	U60329-000	**$231.30**
#5, S/N 7405573 and up, 235-260hp, Right	U60329-001	**$231.30**
Leading Edge Tip Cover		
Left	U15723-000	**$315.28**
Right	U15723-001	**$315.28**

Front and Rear Wing Spars

FAA-PMA APPROVED

For 150hp Pawnee

Front Wing Spar, Left	61156-002	**$1,345.31**
Right	U61156-003	**$1,345.31**
Rear Wing Spar, Left	U61157-002	**$1,011.43**
Right	U61157-003	**$1,011.43**

For 235-260hp Pawnee

Front Wing Spar, Left	U64055-006	**$2,110.63**
Right	U64055-007	**$2,110.63**
Rear Wing Spar, Left	U64056-002	**$2,072.91**
Right	U64056-003	**$2,072.91**

Pawnee Vee Lift Struts

FAA-PMA APPROVED

- End repetitive AD inspections!
- Oiled and sealed to comply with AD 2015-08-04

For 235/260hp	L64038-002	**$5,267.65**
For 150hp	U61046-000	**$5,559.52**

Aluminum Bearing Block Repair Kit

STC APPROVED

Simple repair for most all fabric-covered Piper. Allows repair of bearing block on flap and aileron hinge, and avoids need to replace bearing blocks. Simple and practical repair. Kit includes bushings, clevis pins, reamer and adhesive.

- STC approved for use on Piper J-3, J-5, PA-11, PA-12, PA-14, PA-15, PA-16, PA-17, PA-18, PA-19, PA-20, PA-22, and PA-25
- Provide aircraft model, registration numbers, and serial number when ordering

Piper Bearing Block Repair Kit	STC-SA02128LA	**$409.06**

Wing Panel Assembly

See Figure 1 on page 132

'U' prefixes on part numbers indicate an FAA-PMA approved part.
All products are priced and sold individually unless otherwise noted.

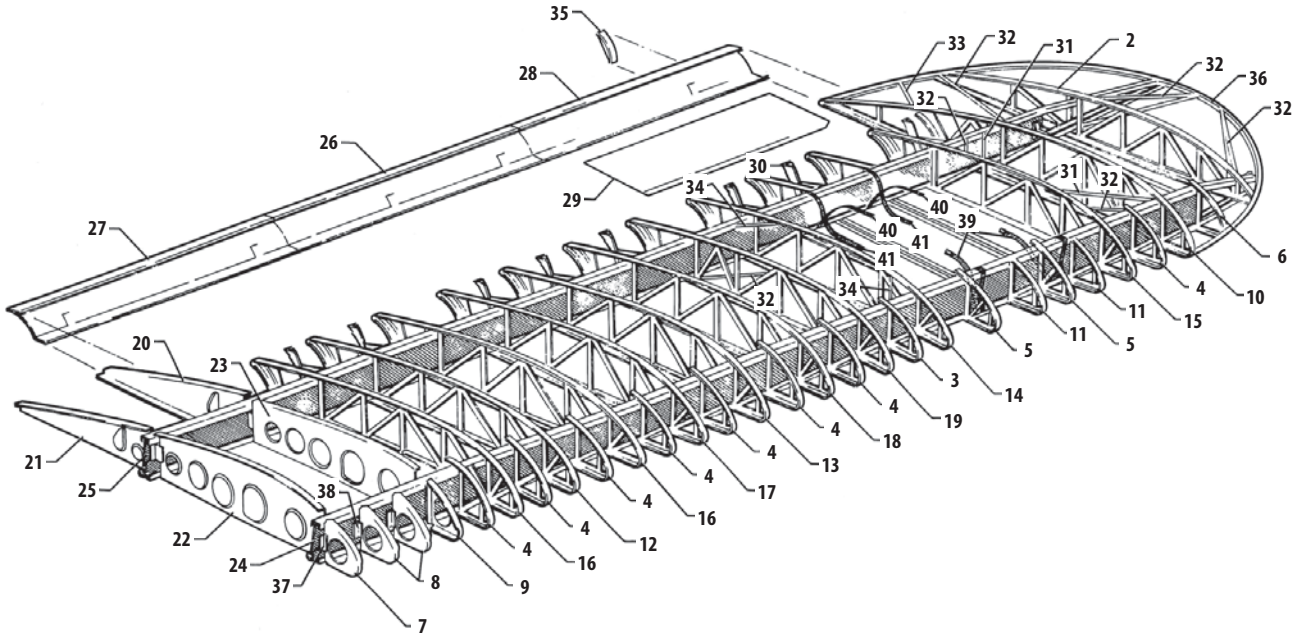
Fig	Description	Part #	Price
2	Tip Rib, Station 175, Left	U1202-00	**$208.37**
	Right	U1202-01	**$197.06**
3	Nose Rib, Station 116[1]	U1200-07	**$50.38**
4	Nose Rib, Stations 23 to 100 and 160 [1]	U1200-02	**$32.76**
	Stations 23 to 100, and 129 to 169 [2]	U1200-02	**$32.76**
5	Nose Rib, Stations 129 and 141 [1]	U1200-08	**$35.85**
	Stations 23 to 100, and 129 to 169 [2]	U1200-02	**$32.76**
6	Nose Rib, Station 175, Left	U1216-00	**$35.27**
	Right	U1216-01	**$52.56**
7	Nose Rib, Left	U61068-000	**$132.77**
	Right	U61068-001	**$132.77**
8	Nose Rib, Left	U61068-002	**$137.78**
	Right	U61068-003	**$132.77**
9	Nose Rib, Left	U61068-003	**$132.77**
	Right	U61068-002	**$137.78**
10	Outboard Aileron Bay Rib, Station 168, Left	U1206-00	**$238.60**
	Right	U1206-01	**$220.47**
11	Fuel Tank Rib [1]	60304-00	**N/A**
	Nose Rib, Stations 23 to 100, and 129 to 169 [2]	U1200-02	**$32.76**
12	Rib, 235-260hp, Station 41 [1]	64268-00	**N/A**
	Rib, 150hp, Station 41 [2]	61424-02	**N/A**
13	Rib, 150hp, Station 79 [2]	61424-03	**N/A**
	Rib, 235-260hp, Station 79 [1,2]	64216-00	**N/A**
14	Rib, Station 122, Left [1]	64214-02	**N/A**
	Right [1]	64214-03	**N/A**
	Rib, 150hp, Station 122 [2]	61424-03	**N/A**
	Rib, 235-260hp, Station 122 [2]	64214-00	**N/A**
15	Rib, Station 153, Left [1]	13022-012	**N/A**
	Right [1]	13022-013	**N/A**

	Rib, Stations 146 to 157 [2]	U1207-00	**$185.63**
16	Rib, Stations 29 and 53 [1,2]	64269-004	**$97.08**
	Rib, 150hp, Stations 29, 53 and 65 [2]	61424-04	**N/A**
	Rib, 235-260hp, Stations 29 and 54 [2]	64269-00	**N/A**
	Rib, 235-260hp, Station 65 [2]	64267-000	**$425.42**
17	Rib, 150hp, Stations 29, 53 and 65 [2]	61424-04	**N/A**
	Rib, 235-260hp, Stations 26 and 53 [2]	64269-00	**N/A**
	Rib, 235-260hp, Station 65 [1,2]	64267-002	**$169.86**
18	Three Quarter Wing Rib [1]	64215-02	**N/A**
	Three Quarter Wing Rib, 150hp [2]	61424-006	**$229.75**
	Three Quarter Wing Rib, 235-260hp [2]	64215-00	**N/A**
19	Three Quarter Wing Rib	64217-02	**N/A**
20	Trailing Edge Rib, Left	U61210-003	**$187.18**
	Right	U61210-002	**$187.18**
21	Trailing Edge Rib, Left	U61210-000	**$121.44**
	Right	U61210-001	**$121.44**
22	Outboard Rib, Left	U61211-006	**$230.41**
	Right	U61211-007	**$221.54**
23	Center Rib, Left	U61211-007	**$221.54**
	Right	U61211-006	**$230.41**
24	Front Spar, Left [1,2]	U64055-006	**$2,110.63**
	Right [1,2]	U64055-007	**$2,110.63**
	Front Spar, 150hp, Left [2]	-61156-002	**$1,345.31**
	Right [2]	U61156-003	**$1,345.31**
25	Rear Spar, Left [1,2]	U64056-002	**$2,072.91**
	Right [1,2]	U64056-003	**$2,072.91**
	Rear Spar, 150hp, Left [2]	U61157-002	**$1,011.43**
	Right [2]	U61157-003	**$1,011.43**
26	False Spar, Left [1,2]	U64292-000	**$605.69**
	Right [1,2]	U64292-001	**$605.69**
	False Spar, Left [2]	U14382-000	**$111.59**
	Right [2]	U14382-001	**$87.27**
27	Inboard False Spar, Left	U61322-000	**$425.68**
	Right	U61322-001	**$452.98**
28	Outboard False Spar, Left	U15572-002	**$60.21**
	Right	U15572-003	**$60.21**
29	False Spar [1]	60333-000	**$166.79**
30	False Spar Brace	U14541-000	**$63.61**
	False Spar Brace, Station 129	-64258-000	**$54.50**
31	Channel Brace [1]	U12252-002	**$14.33**
32	Channel Brace [1]	U12252-003	**$18.60**
33	Channel Brace	U12252-005	**$14.33**
34	Channel Brace [1]	U12252-006	**$15.54**
35	False Spar Gusset	U13171-000	**$41.32**
36	Wing Tip Bow	U453-126	**$50.86**
37	Nose Rib Clip	61222-00	**N/A**
38	Nose Rib Clip	61223-02	**N/A**
39	Front Fuel Tank Strap [1]	U10648-003	**$57.28**
40	Rear Fuel Tank Strap [1]	U10649-003	**$95.98**
41	Fuel Tank Strap [1]	U10650-002	**$76.98**

[1] Used on serial numbers 25-7405573 and up
[2] Used on serial numbers 25-1 to 25-7405572

Figure 1 • Wing Panel Assembly

Parts list begins on page 131.



PIPER STCS, CONVERSIONS AND MODIFICATIONS

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PA-22 to PA-20 Conversion

PA-22 Taildragger Landing Gear Conversion

Univair holds STC SA45RM for the conversion of the PA-22 to conventional landing gear configuration. Our kits and parts have become popular items for general aviation enthusiasts and aircraft restorers.

The conversion is not a difficult project. The basic steps involved in making the conversion are as follows: New forward gear fittings are welded on the first station aft of the firewall. The new gears are used for fitting alignment. The new Taildragger gear rear leg utilizes the original forward PA-22 frame fittings and the main leg of the Taildragger gear uses the newly installed fittings. The hydrasorb attachments remain the same. 'U' channels and fabric reworking are required on the belly to accommodate the gears being moved forward. A bracket is welded on the tailpost for the tailwheel assembly. New rudder pedals and toe brakes need to be installed. Rudder control cables need some reworking. The bottom cowl needs to be modified or replaced with a PA-20 type cowl which Univair can provide.

This is a generalization of what is required, and is covered in detail in our instruction sheets and supplied blueprints.

Landing Gear Conversion Kits

The 2200 series kits contain materials required for converting a Piper PA-22-108, 135, 150 or 160hp aircraft to the Taildragger configuration.

Kits provide you with a choice of wheels and brakes. You can use the L1012-40 and -41 landing gears which allow you to use your present PA-22 wheels and brakes, or the heavy duty Cleveland wheels and brakes. You have a choice of two pneumatic tailwheels. Solid rubber tailwheels are also available on special request.

A popular kit with most aircraft owners has been our L2200-01 (PA-22 wheels and brakes) equipped with options L4 and L7 (dual brakes and the Scott tailwheel).

All L2200 series landing gear conversion kits include STC SA45RM approval, blueprints and instructions.

Basic Conversion Kit.....L2200-01.....**$5,202.30**

Includes L1012-40/-41 conventional "wide gears" fabricated from AISI 4130N tubular steel (to accommodate the original PA-22 wheels and brakes), STC approval, front gear and tail fittings, tailwheel spring and clamps, aluminum form channels, metal reinforcements, rear frame hand hold, rudder fork, installation instructions, left/right gear inner pans, left/right gear outer fairings, AN hardware kit, PA-20 entry step, forming 'U' channels, and springs for rudder tension.

Kit for Heavy Duty Cleveland Wheels and Brakes.....L2200-03.....**$5,202.30**

Same as Basic Conversion Kit except for use with Cleveland wheels and dual piston brakes. Includes required axle spacers. Does not include wheels or brakes.

Kit for Heavy Duty Cleveland Wheels and Brakes.....L2200-03A.....**$9,020.16**

Same as kit L2200-03, plus Cleveland wheels and disc brakes (199-23100). Can only be used with 600 x 6 and 700 x 6 tires.

Landing Gear Conversion Information Packet.....STC-SA45RM.....**$590.70**

This kit is intended for individuals considering the PA-22 to Taildragger conversion. The information packet includes installation instructions and blueprints. STC approval, Supplemental Flight Manual, and Weight and Balance forms are excluded. These will be included when the L2200 Series Landing Gear Conversion Kit is purchased. The price of the STC-SA45RM information packet will be applied to the purchase of an L2200 Series Landing Gear Conversion Kit, but will not be refunded.

Toll Free Sales: 1-888-433-5433

Monday-Friday 7:30 a.m. – 4:30 p.m. MT

PA-22 Taildragger Conversion

FAA-PMA APPROVED

Landing Gear Conversion Kit Options

These kits do not include rudder cables. When ordering, please specify serial number of PA-22 being converted.

Single Brake Conversion Kit..... LOPT-L2 ..... **$6,356.55**

Left side only complete brake system with Cleveland 10-54 slave cylinders, using firewall brake fluid reservoir. This kit **cannot** be converted to a dual brake system. If you desire a dual braking system, Univair recommends you purchase the LOPT-L4 kit (for installation in SA45RM conversion only).

Dual Brake Conversion Kit ..... LOPT-L4 ..... **$9,571.94**

Shown in picture above. Complete brake system with Cleveland 10-54 slave cylinders and firewall brake fluid reservoir for dual brake controls. For installation in SA45RM conversion only.

Pneumatic Tailwheel Conversion Kit..... LOPT-L7 ..... **$2,567.53**

Bushwheel 8" pneumatic tailwheel, with 1¼" to 1¾" spring adapter, and steering spring kit.

Cleveland Wheels & Brakes Heavy Duty Conversion Kit

This kit consists of two each 30-41B Brake Assemblies and 40-84 Wheel Assemblies currently approved under STC-SA45RM. There is a dual piston brake assembly to provide superior performance for the Taildragger Conversion.

- For use with 6.00 x 6 and 7.00 x 6 tires only, and L1015 series landing gears with 1.5" axles
- STC approval required (sold separately below)

Heavy Duty Conversion Kit (requires STC installation)....199-23100 ..... **CALL**
STC Paperwork ..... STC-SA17RM **$190.19**

Additional spacers required (priced and sold individually):
Axle Spacer, 1.26" (2 required)..... U1105-06 ..... **$24.39**
Axle Spacer, 0.72" (2 required)..... U1105-09 ..... **$24.39**

180hp Lycoming Engine Conversion

FAA-PMA APPROVED

- Applicability: PA-22 Taildragger modified aircraft
- Not approved for seaplane use

Univair holds STC-SA181RM to cover the installation of the Lycoming O-360-A4A engine with the Sensenich 76EM8-60 propeller in the SA45RM Taildragger conversion. It is important to note that this STC approval is only valid on those PA-22 aircraft that have been converted to the conventional landing gear configuration as approved by STC-SA45RM. This modification does not require any structural change in the airframe. It has been approved for the Dynafocal mount for smoother operation. We do require that our manufactured engine mount be purchased to obtain the STC. The nose, top, and side cowls are reused. We supply a template for bottom cowl modification. All parts are available and can be purchased separately, or as a kit. For simplicity, the parts are grouped and priced in three categories. They are listed as Kit #1, Kit #2, and Kit #3. Kit #1 has most of the parts directly related to the engine. Kit #2 has the fuel system, and Kit #3 contains the alternator and related parts. The STC, engine mount, and exhaust system may be purchased individually.

Take off and climb performance is greatly increased by installing the 180 horsepower engine. Soft field and short field performance is noticeably improved, as well as operations at airports at higher elevations. Increases in cruise and top speeds are also noted. Considerable testing on the prototype conversion was carried out in Leadville, Colorado, with an elevation of 9,927 feet. The modification was thoroughly tested by the FAA including cylinder head cooling, oil temperature cooling, heat rise for the carburetor, and noise emissions tests. The climb and speed tests, which included a dive at over 200 mph, were all performed at gross weight. The aircraft was spun fifteen times under different conditions of balance and weight distribution. If you would like more information on this subject, please contact Univair by phone or email.

1 **Kit #1 – Engine Build-up Parts ..... 0-360-KIT-1.... $4,854.74**
Purchased as a package – excludes STC paperwork, mount and exhaust system. This kit contains the following:

Description	Quantity	Part #
Oil Cooler Bracket, Left	1	L1066-01
Oil Cooler Bracket, Right	1	L1066-02
Oil Cooler Line, Left/Right	2	L1064-08
Oil Cooler Fittings, 45° Elbow	2	C5355X8X8
Oil Cooler Fitting, 45°	1	C3359X8
Carburetor Air Box Modification Kit*	1	L1057-00
Throttle Clamp Assembly	1	L1072-03
Mixture Control Assembly	1	A800-10-0480
Bonding Strap	1	L1063-06
Heater Inlet Flange	1	L1071-01
"Y" Assembly (Heater)	1	L1071-02
Engine Mount Hardware Set (Engine to Mount/Mount to Firewall)	1	O-360-HD1
Lord Mounts	4	J7402-24
Tachometer Cable	1	U1713-R250
Starter Extension Cable	1	L1063-03
Flexible Heater Hose, 2"	3 feet	SCAT8
Flexible Heater Hose, 3"	3 feet	SCAT12

*ALTERNATE OPTION (used in lieu of modifying the original air box): L1057-A can be substituted for L1057-00 above. Price adjustment will apply.
Carburetor Air Box, Complete..... 1 ..... L1057-A ... **$1,741.77**

2 **Kit #2 – Fuel Lines and Accessories ..... 0-360-KIT-2.... $2,343.58**
This kit contains the following:

Description	Quantity	Part #
Fuel Pump (Electric)	1	480-532
Combination Fuel and Manifold Pressure Gauge (Calibrated)	1	LTN55001A
Fuel Line	1	L1064-01
Fuel Line	1	L1064-02
Fuel Line	1	L1064-03
Fuel Line	1	L1064-04
Fuel Line	1	L1064-05
Fuel Line and Manifold Pressure Lines	2	L1064-06
Fuel Line, Selector to Bulkhead	1	L1072-01
Carburetor Adapter Assembly	1	L1072-02
Hardware and Fittings Set	1	O-360-HD2
Lycoming Kit	1	54E23073

3 **Kit #3 – Alcor Alternator Kit ..... 0-360-KIT-3.... $2,954.95**
This kit contains the following:

Description	Quantity	Part #
Alternator (LA-152A)	1	015-01237
Voltage Regulator (LA-153D)	1	625-61623
Over Voltage Relay	1	LOVR-12B
Mounting Bar Assembly	1	L1063-01
Spike Guard Assembly	1	LA-178
Capacitor	1	LA-177-1
Resistor	1	LA-152-A1
60 Amp Circuit Breaker	1	LA-154
Alternator Adjustment Arm	1	L1063-02
Alternator Belt	1	L41320
5 Amp Circuit Breaker	1	PSM-5
SPST Toggle Switch	2	MS35058-21

Kit #3 also contains other miscellaneous hardware items not listed above.

PA-22 "Taildragger" Landing Gear Conversion Dynafocal Engine Mount

Dynafocal Engine Mount
For use with 0-360 Engine and STC-SA181RM only.
L1056-00 ..... **$2,775.78**

Mount and STC Papers
Includes all blueprints, instructions and mount.
STC-SA181RM **$3,852.27**

PA-20 Style Bottom Cowl

FAA-PMA APPROVED

Eliminate that old "22" bottom scoop!

Tri-Pacer.....L1041-10 ..... **$1,971.76**
Colt .....L1041-20 ..... **$1,866.71**

(For converted Tri-Pacer only)

Engine Mount

FAA-PMA APPROVED

- Applicability: Piper PA-20, PA-25
- For Lycoming engine

Engine Mount .....U11786-013..... **$1,824.91**

Landing Gear to Frame Fairing Kit

- Applicability: Piper PA-22
- Includes left and right fairings, and rubber seals
- FAA-PMA approved

Landing Gear Fairing Kit..... U1120-00 ..... **$205.96**

Landing Gear Conversion Kit for ABI-3200 Tailwheel

FAA-PMA APPROVED

Kit for ABI-3200 series 8" pneumatic tailwheel, with 1¼" to 1¾" spring adapter and steering spring kit.

ABI-3200 Tailwheel Kit.....LOPT-L7 ..... **$2,567.53**

Univair One-Piece Wing Ribs

Univair One-Piece Stamped Aluminum Ribs FAA/STC Approved for Metal Spar Wing Pipers!

- Univair wing ribs are not approved on wood spars

In response to the decreasing availability and increasing cost of many of the original Piper ribs, Univair has spent considerable time and expense to develop high quality replacement aluminum ribs for the metal spar Pipers.

Univair ribs are formed out of one piece of .032" 5052-H34 aluminum, thus eliminating the many individual braces and cap strips, and the multitude of rivets found in the Piper ribs. This one-piece construction provides a stronger, more durable and less expensive rib. Due to the nature of our rib construction, pop rivets may be used for fabric attachment. Pop rivets provide for a stronger and faster means of fabric attachment. Conventional rib stitching or Martin wire may also be used.

As one can see from our rib application lists on the following pages, we have designed a replacement rib for many of the corresponding Piper ribs. Univair ribs are designed to be direct replacements and may be used in conjunction with the original Piper ribs. When required, Univair ribs will include the necessary cable fairlead holes, gas tank cover flanges, etc. as needed for a proper installation. This means that the butt ribs are designed as butt ribs, not as generic full ribs requiring modification. Flap bay ribs are designed differently from aileron bay ribs, and so on. Our ribs are also approved to be separated into three pieces and reassembled to replace a damaged rib at any station along the wing, thus eliminating the need to take the ribs off of the spars to reach the damaged rib.

Application Lists for Univair Wing Ribs

J-3

Piper #	Univair #	Description	# Per Wing	Price/Ea
10742-002	U1202-00	Tip Rib, Left #13	1	**$208.37**
10742-003	U1202-01	Tip Rib, Right #13	1	**$197.06**
12662-002	U1200-02	Nose Rib	10	**$32.76**
12902-000	U1206-00	Outboard Aileron Bay Rib, Left #12	1	**$238.60**
12902-001	U1206-01	Outboard Aileron Bay Rib, Right #12	1	**$220.47**
13022-002	U1207-00	¾ Rib, #10 and #11	2	**$185.63**
13022-002	U1207-02	¾ Rib, Left or Right #7	1	**$139.81**
13022-002	U1207-03	¾ Rib, Left or Right #8	1	**$167.36**
13022-005	U1223-01	¾ Rib, Left or Right #6	1	**$186.94**
13022-006	U1208-00	¾ Rib, #9 at Strut Point	1	**$233.02**
13042-000	U1228-00	Inboard Aileron Bay Rib, Left #5	1	**$156.16**
13042-001	U1228-01	Inboard Aileron Bay Rib, Right #5	1	**$166.74**
13052-002	U1227-04	Full Rib, Left or Right #2	1	**$167.32**
13052-002	U1228-04	Full Rib, #3 and #4	2	**$208.23**
13052-004	U1227-00	Butt Rib, Left #1	1	**$199.88**
13052-004	U1227-01	Butt Rib, Right #1	1	**$213.13**
15712-000	U1200-05	Nose Rib at Strut Point	1	**$46.08**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**

PA-11

Piper #	Univair #	Description	# Per Wing	Price/Ea
10634-000	U1219-00	Butt Rib, Left #1	1	**$236.10**
10634-008	U1219-01	Butt Rib, Right #1, w/Right Tank	1	**$236.10**
10635-000	U1224-00	Tank Rib, Left #2	1	**$173.59**
10653-000	U1221-01	Full Rib, Left #3	1	**$186.49**
10653-006	U1221-00	Full Rib, Right #3, w/Right Tank	1	**$169.08**
10742-002	U1202-00	Tip Rib, Left #13	1	**$208.37**
10742-003	U1202-01	Tip Rib, Right #13	1	**$197.06**
10907-000	U1217-00	Full Rib, Right #3	1	**$173.21**
10908-000	U1217-01	Butt Rib, Right #1	1	**$139.50**
12662-002	U1200-02	Nose Rib	8-L, 10-R	**$32.76**
12662-004	U1200-08	Nose Rib at Tank Bay	2	**$35.85**
12902-000	U1206-00	Outboard Aileron Bay Rib, Left #12	1	**$238.60**
12902-001	U1206-01	Outboard Aileron Bay Rib, Right #12	1	**$220.47**
13022-002	U1207-00	¾ Rib, #7, #8, #10 and #11	4	**$185.63**
13022-005	U1209-00	¾ Rib, Left or Right #6	1	**$217.91**
13022-006	U1208-00	¾ Rib, #9 at Strut Point		**$233.02**
13042-000	U1222-00	Inboard Aileron Bay Rib, Left #5	1	**$186.07**
13042-001	U1222-01	Inboard Aileron Bay Rib, Right #5	1	**$182.01**
13052-002	U1220-02	Full Rib, R #2, L/R #4	1-L, 2-R	**$225.40**
15712-000	U1200-05	Nose Rib at Strut Point	1	**$46.08**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**

J-5C, PA-12

Piper #	Univair #	Description	# Per Wing	Price/Ea
10108-002	U1235-02	Full Rib, Left #4	1	**$147.57**
10108-003	U1235-03	Full Rib, Right #4	1	**$147.57**
10109-000	U1236-00	Full Rib, Left or Right #5	1	**$152.38**
10119-000	U1234-00	Tank Bay Rib, L/R #2 and #3	2	**$162.52**
10227-002	U1235-00	Butt Rib, Left #1	1	**$344.76**
10227-003	U1235-01	Butt Rib, Right #1	1	**$351.04**
10642-005	U1236-01	Full Rib, Left or Right #6	1	**$168.65**
10692-004	U1236-02	Inboard Aileron Bay Rib, Left #7	1	**$158.96**
10692-005	U1236-03	Inboard Aileron Bay Rib, Right #7	1	**$170.01**
10702-004	U1236-04	Outboard Aileron Bay Rib, Left #15	1	**$217.29**
10702-005	U1236-05	Outboard Aileron Bay Rib, Right #15	1	**$158.96**
10712-003	U1237-06	¾ Rib, Left or Right #14	1	**$156.91**
10722-003	U1237-02	¾ Rib, Left or Right #11	1	**$204.34**
10732-004	U1237-00	¾ Rib, Left or Right #9	1	**$217.92**
10732-005	U1237-01	¾ Rib, #8, #10, #12 and #13	4	**$217.92**
10742-000	U1203-00	Tip Rib, Left #16	1	**$144.72**
10742-001	U1203-01	Tip Rib, Right #16	1	**$126.23**

Caution: If fabric is rib stitched to Univair stamped ribs, DO NOT use pre-drilled pop rivet holes. Pass rib stitch cord around the outside surfaces of the rib just like on the original truss type Piper ribs.

PA-14

Piper #	Univair #	Description	# Per Wing	Price/Ea
10702-004	U1236-04	Outboard Aileron Bay Rib, Left #15	1	**$217.29**
10702-005	U1236-05	Outboard Aileron Bay Rib, Right #15	1	**$158.96**
10712-003	U1237-06	¾ Rib, Left or Right, #14	1	**$156.91**
10722-003	U1237-02	¾ Rib, Left or Right, #11	1	**$204.34**
10732-005	U1237-03	¾ Rib, #8, #10, #12 and #13	4	**$145.75**
10732-006	U1237-04	¾ Rib, Left or Right, #7 and #9	2	**$204.34**
10732-007	U1237-05	¾ Rib, Left or Right, #6	1	**$213.90**
10732-008	U1237-03	¾ Rib, Left or Right, #5	1	**$145.75**
10742-000	U1203-00	Tip Rib, Left #16	1	**$144.72**
10742-001	U1203-01	Tip Rib, Right #16	1	**$126.23**
11687-000	U1238-00	Butt Rib, Left #1	1	**$191.21**
11687-002	U1238-01	Butt Rib, Right #1	1	**$191.21**
11688-000	U1234-01	Tank Bay Rib, Left or Right, #2	1	**$257.22**
11688-002	U1234-02	Tank Bay Rib, Left or Right, #3	1	**$270.15**
11689-002	U1238-02	¾ Rib, Left #4	1	**$115.07**
11689-003	U1238-03	¾ Rib, Right #4	1	**$170.88**

PA-15 and PA-17

Piper #	Univair #	Description	# Per Wing	Price/Ea
10742-002	U1202-00	Tip Rib, Left #11	1	**$208.37**
10742-003	U1202-01	Tip Rib, Right #11	1	**$197.06**
12662-002	U1200-02	Nose Rib	6	**$32.76**
12902-000	U1206-00	Outboard Aileron Bay Rib, Left #10	1	**$238.60**
12902-001	U1206-01	Outboard Aileron Bay Rib, Right #10	1	**$220.47**
13022-002	U1207-00	¾ Rib, #5, #6, #8 and #9	4	**$185.63**
13022-006	U1208-00	¾ Rib, Left or Right, #7	1	**$233.02**
13022-007	U1233-00	¾ Rib, Left or Right, #4	1	**$141.89**
13042-000	U1228-02	Inboard Aileron Bay Rib, Left #3	1	**$156.16**
13042-001	U1228-03	Inboard Aileron Bay Rib, Right #3	1	**$156.16**
13052-002	U1228-05	Full Rib, Left or Right, #2	1	**$143.59**
13052-005	U1227-02	Butt Rib, Left #1	1	**$155.93**
13052-005	U1227-03	Butt Rib, Right #1	1	**$191.74**
15712-000	U1200-05	Nose Rib at Strut Point	1	**$46.08**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**

PA-16

Piper #	Univair #	Description	# Per Wing	Price/Ea
10634-002	U1229-00	Butt Rib, Left #1	1	**$194.48**
10635-000	U1224-00	Tank Bay Rib, Left #2	1	**$173.59**
10742-002	U1202-00	Tip Rib, Left #12	1	**$208.37**
10742-003	U1202-01	Tip Rib, Right #11	1	**$197.06**
11750-000	U1232-00	Inboard Aileron Bay Rib, Left #3	1	**$115.07**
11752-000	U1225-02	¾ Tank Bay Rib, Left #4	1	**$179.08**
12046-002	U1228-05	Full Rib, Right #2	1	**$143.59**
12046-003	U1228-03	Inboard Aileron Bay Rib, Right #3	1	**$156.16**
12046-004	U1207-00	¾ Rib, #6-#9, #5 R, #10 L	5-L, 5-R	**$185.63**
12046-006	U1233-00	¾ Rib, Left #5, Right #4	1	**$141.89**
12046-007	U1206-00	Outboard Aileron Bay Rib, Left #11	1	**$238.60**
12046-008	U1206-01	Outboard Aileron Bay Rib, Right #10	1	**$220.47**
12662-002	U1200-02	Nose Rib	6-L, 5-R	**$32.76**
13052-005	U1227-03	Butt Rib, Right #1	1	**$191.74**
15712-000	U1200-05	Nose Rib at Strut Point	1	**$46.08**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**

PA-18 95hp

Piper #	Univair #	Description	# Per Wing	Price/Ea
10634-004	U1219-00	Butt Rib, Left #1	1	**$236.10**
10634-008	U1219-01	Butt Rib, Right #1	1	**$236.10**
10635-000	U1224-00	Tank Bay Rib, L/R #2 w/Right Tank	1	**$173.59**
10653-000	U1221-01	Tank Bay Rib, Left #3	1	**$186.49**
10653-006	U1221-00	Tank Bay Rib, Right #3 w/Right Tank	1	**$169.08**
10742-002	U1202-00	Tip Rib, Left #13	1	**$208.37**
10742-003	U1202-01	Tip Rib, Right #13	1	**$197.06**
10907-000	U1217-00	Full Rib, Right #3 w/o Right Tank	1	**$173.21**
10908-003	U1217-01	Butt Rib, Right #1 w/o Right Tank	1	**$139.50**
12662-002	U1200-02	Nose Rib	Note C	**$32.76**
12662-004	U1200-08	Nose Rib at Tank Bay	Note D	**$35.85**
12902-000	U1206-00	Outboard Aileron Bay Rib, Left #12	1	**$238.60**
12902-001	U1206-01	Outboard Aileron Bay Rib, Right #12	1	**$220.47**
13022-002	U1207-00	¾ Rib, #7, #8, #10 and #11	4	**$185.63**
13022-005	U1209-00	¾ Rib, #6	1	**$217.91**
13022-009	U1208-00	¾ Rib, Left or Right, #9	1	**$233.02**
13042-000	U1222-00	Inboard Aileron Bay Rib, Left #5	1	**$186.07**
13042-001	U1222-01	Inboard Aileron Bay Rib, Right #5	1	**$182.01**
13052-002	U1220-02	Full Rib, Right #2 w/o Right Tank	1	**$225.40**
		Full Rib, Left or Right, #4	1	**$225.40**
15712-000	U1200-05	Nose Rib at Strut Point	1	**$46.08**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**

PA-18 105-125hp

Piper #	Univair #	Description	# Per Wing	Price/Ea
10634-005	U1215-01	Butt Rib, Left #1	1	**$326.69**
10634-007	U1215-02	Butt Rib, Right #1 w/Right Tank	1	**$264.17**
10635-002	U1214-00	Tank Bay Rib, L/R #2 w/Right Tank	1	**$199.14**
10653-002	U1213-01	¾ Rib, Left #3	1	**$184.62**
10653-005	U1213-00	¾ Rib, Right #3 w/Right Tank	1	**$189.44**
10742-002	U1202-00	Tip Rib, Left #13	1	**$208.37**
10742-003	U1202-01	Tip Rib, Right #13	1	**$197.06**
10907-002	U1213-02	¾ Rib, Right #3 w/o Right Tank	1	**$184.62**
10908-004	U1215-10	Butt Rib, Right #1 w/o Right Tank	1	**$115.07**
12662-002	U1200-02	Nose Rib	Note C	**$32.76**
12662-004	U1200-08	Nose Rib at Tank Bay	Note D	**$35.85**
12902-000	U1206-00	Outboard Aileron Bay Rib, Left #12	1	**$238.60**
12902-001	U1206-01	Outboard Aileron Bay Rib, Right #12	1	**$220.47**
13022-002	U1207-00	¾ Rib, #6 to #8, #10, #11	5	**$185.63**
13022-009	U1208-00	¾ Rib, Left or Right, #9	1	**$233.02**
13042-002	U1210-01	¾ Rib, Left #5	1	**$192.18**
13042-003	U1210-00	¾ Rib, Right #5	1	**$190.24**
13052-007	U1212-00	¾ Rib, Right #2 w/o Right Tank	1	**$207.62**
		¾ Rib, Left or Right, #4	1	**$207.62**
15712-000	U1200-05	Nose Rib at Strut Point	1	**$46.08**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**

PA-18 135hp

Piper #	Univair #	Description	# Per Wing	Price/Ea
10634-005	U1215-01	Butt Rib, Left #1	1	**$326.69**
10634-007	U1215-02	Butt Rib, Right #1	1	**$264.17**
10635-002	U1214-00	Tank Bay Rib, Left #2 – Note A	1	**$199.14**
		Tank Bay Rib, #2 and #3 – Note B	2	**$199.14**
10653-002	U1213-01	¾ Rib, Left #3	1	**$184.62**
		¾ Rib, Left #4 – Note B	1	**$184.62**
10653-005	U1213-00	¾ Rib, Right #3	1	**$189.44**
		¾ Rib, Right #4 – Note B	1	**$189.44**
10742-002	U1202-00	Tip Rib, Left #13	1	**$208.37**
10742-003	U1202-01	Tip Rib, Right #13	1	**$197.06**
12662-002	U1200-02	Nose Rib	10	**$32.76**
12262-004	U1200-08	Nose Rib Tank Bay	2-L, 2-R, w/tank	**$35.85**
12902-000	U1206-00	Outboard Aileron Bay Rib, Left #12	1	**$238.60**
12902-001	U1206-01	Outboard Aileron Bay Rib, Right #12	1	**$220.47**
13022-002	U1207-00	¾ Rib, #6 to #11 – Note A	6	**$185.63**
		¾ Rib, Left or Right, #10 – Note B	1	**$185.63**
13022-009	U1208-00	¾ Rib, Left or Right, #11 – Note B	1	**$233.02**
13022-010	U1209-00	¾ Rib, Left or Right, #8 – Note B	1	**$217.91**
13022-011	U1207-00	¾ Rib, Left or Right, #9 – Note B	1	**$185.63**
13042-002	U1210-01	¾ Rib, Left #5 – Note A	1	**$192.18**
		¾ Rib, Left #7 – Note B	1	**$192.18**
13042-003	U1210-00	¾ Rib, Right #5 – Note A	1	**$190.24**
		¾ Rib, Right #7 – Note B	1	**$190.24**
13052-007	U1212-00	¾ Rib, Left or Right, #5 – Note B	1	**$207.62**
13052-009	U1211-01	¾ Rib, Right #6 – Note B	1	**$218.99**
13052-010	U1211-00	¾ Rib, Left #6 – Note B	1	**$161.41**
15712-000	U1200-05	Nose Rib at Strut Point – Note A	1	**$46.08**
15712-002	U1200-05	Nose Rib at Strut Point – Note B	1	**$46.08**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**

PA-18 150hp

Piper #	Univair #	Description	# Per Wing	Price/Ea
10634-005	U1215-01	Butt Rib, Left #1	1	**$326.69**
10634-007	U1215-02	Butt Rib, Right #1	1	**$264.17**
10635-002	U1214-00	Tank Bay Rib, #2 and #3	2	**$199.14**
10653-002	U1213-01	¾ Rib, Left #4	1	**$184.62**

10653-005	U1213-00	¾ Rib, Right #4	1	**$189.44**
10742-002	U1202-00	Tip Rib, Left #16	1	**$208.37**
10742-003	U1202-01	Tip Rib, Right #16	1	**$197.06**
12662-002	U1200-02	Nose Rib	10	**$32.76**
12902-000	U1206-00	Outboard Aileron Bay Rib, Left #15	1	**$238.60**
12902-001	U1206-01	Outboard Aileron Bay Rib, Right #15	1	**$220.47**
13022-002	U1207-00	¾ Rib, #10, #13 and #14	3	**$185.63**
13022-009	U1208-00	¾ Rib, Left or Right, #11	1	**$233.02**
13022-010	U1209-00	¾ Rib, Left or Right, #8	1	**$217.91**
13022-011	U1207-00	¾ Rib, Left or Right, #9 and #12	2	**$185.63**
13042-002	U1210-01	¾ Rib, Left #7	1	**$192.18**
13042-003	U1210-00	¾ Rib, Right #7	1	**$190.24**
13052-007	U1212-00	¾ Rib, Left or Right, #5	1	**$207.62**
13052-009	U1211-01	¾ Rib, Right #6	1	**$218.99**
13052-010	U1211-00	¾ Rib, Left #6	1	**$161.41**
15712-000	U1200-05	Nose Rib at Strut Point	1	**$46.08**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**

PA-20 115hp

Piper #	Univair #	Description	# Per Wing	Price/Ea
10634-002	U1229-00	Butt Rib, Left #1	1	**$194.48**
10634-006	U1229-01	Butt Rib, Right #1	1	**$193.19**
10635-000	U1224-00	Tank Bay Rib, #2 and #3	2	**$173.59**
10742-002	U1202-00	Tip Rib, Left #12	1	**$208.37**
10742-003	U1202-01	Tip Rib, Right #12	1	**$197.06**
12046-003	U1228-03	Inboard Aileron Bay Rib, Right #6	1	**$156.16**
12046-004	U1207-00	¾ Rib, Left or Right #7 to #10	4	**$185.63**
12046-007	U1206-00	Outboard Aileron Bay Rib, Left #11	1	**$238.60**
12046-008	U1206-01	Outboard Aileron Bay Rib, Right #11	1	**$220.47**
12046-009	U1228-02	Inboard Aileron Bay Rib, Left #6	1	**$156.16**
12046-010	U1229-02	Full Rib, Left #4	1	**$147.57**
12046-011	U1229-03	Full Rib, Right #4	1	**$191.01**
12662-002	U1200-02	Nose Rib	5	**$32.76**
12825-000	U1218-00	Full Rib, Left or Right #5	1	**$144.77**
15712-000	U1200-05	Nose Rib at Strut Point	1	**$46.08**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**

PA-20 125-135hp

Piper #	Univair #	Description	# Per Wing	Price/Ea
10742-002	U1202-00	Tip Rib, Left #12	1	**$208.37**
10742-003	U1202-01	Tip Rib, Right #12	1	**$197.06**
11752-000	U1225-02	¾ Rib, Left #4	1	**$179.08**
11752-001	U1225-03	¾ Rib, Right #4	1	**$173.43**
12046-004	U1207-00	¾ Rib, #5 to #10	6	**$185.63**
12046-007	U1206-00	Outboard Aileron Bay Rib, Left #11	1	**$238.60**
12046-008	U1206-01	Outboard Aileron Bay Rib, Right #11	1	**$220.47**
12470-000	U1225-00	Butt Rib, Left #1	1	**$209.63**
12470-001	U1225-01	Butt Rib, Right #1	1	**$160.40**
12472-000	U1226-00	Tank Bay Rib, Left/Right, #2 and #3	2	**$196.17**
12662-002	U1200-02	Nose Rib	5	**$32.76**
15712-000	U1200-05	Nose Rib at Strut Point	1	**$46.08**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**

PA-22 108hp

Piper #	Univair #	Description	# Per Wing	Price/Ea
10634-002	U1229-00	Butt Rib, Left #1	1	**$194.48**
10634-009	U1229-01	Butt Rib, Right #1 w/Right Tank	1	**$193.19**
10635-000	U1224-00	Tank Bay Rib, Left #2 and #3	2	**$173.59**
10635-003	U1224-00	Tank Bay Rib, Right #2 and #3 w/Right Tank	2	**$173.59**
10742-002	U1202-00	Tip Rib, Left #13	1	**$208.37**
10742-003	U1202-01	Tip Rib, Right #13	1	**$197.06**
12046-002	U1228-05	Full Rib, Right #2 to #4, w/o Right Tank	3	**$143.59**
12046-004	U1207-00	¾ Rib, #6 to #11	6	**$185.63**
12046-007	U1206-00	Outboard Aileron Bay Rib, Left #12	1	**$238.60**
12046-008	U1206-01	Outboard Aileron Bay Rib, Right #12	1	**$220.47**
12046-010	U1229-02	Full Rib, Left #4	1	**$147.57**
12046-011	U1229-03	Full Rib, Right #4 w/Right Tank	1	**$191.01**
12662-002	U1200-02	Nose Rib	7	**$32.76**
12825-000	U1218-00	Full Rib, Left or Right, #5	1	**$144.77**
13052-011	U1227-03	Butt Rib, Right #1 w/o Right Tank	1	**$191.74**
15131-000	N/A	Inboard Aileron Bay Trailing Edge Rib, Left	1	**N/A**
15131-001	N/A	Inboard Aileron Bay Trailing Edge Rib, Right	1	**N/A**
15712-002	U1200-05	Nose Rib at Strut Point	1	**$46.08**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**

PA-22 125-135hp

Piper #	Univair #	Description	# Per Wing	Price/Ea
10742-002	U1202-00	Tip Rib, Left #12	1	**$208.37**
10742-003	U1202-01	Tip Rib, Right #12	1	**$197.06**
11752-000	U1225-02	¾ Rib, Left #4	1	**$179.08**
11752-001	U1225-03	¾ Rib, Right #4	1	**$173.43**
12046-004	U1207-00	¾ Rib, #5 to #10	6	**$185.63**
12046-007	U1206-00	Outboard Aileron Bay Rib, Left #11	1	**$238.60**
12046-008	U1206-01	Outboard Aileron Bay Rib, Right #11	1	**$220.47**
12470-000	U1225-00	Butt Rib, Left #1	1	**$209.63**
12470-001	U1225-01	Butt Rib, Right #1	1	**$160.40**
12472-000	U1226-00	Tank Bay Rib, #2 and #3	2	**$196.17**
12662-002	U1200-02	Nose Rib	5	**$32.76**
15712-000	U1200-05	Nose Rib at Strut Point	1	**$46.08**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**

PA-22 150-160hp

Piper #	Univair #	Description	# Per Wing	Price/Ea
10742-002	U1202-00	Tip Rib, Left #13	1	**$208.37**
10742-003	U1202-01	Tip Rib, Right #13	1	**$197.06**
11752-000	U1225-02	¾ Rib, Left #4	1	**$179.08**
11752-001	U1225-03	¾ Rib, Right #4	1	**$173.43**
12046-004	U1207-00	¾ Rib, #5 to #11	7	**$185.63**
12046-007	U1206-00	Outboard Aileron Bay Rib, Left #12	1	**$238.60**
12046-008	U1206-01	Outboard Aileron Bay Rib, Right #12	1	**$220.47**
12470-000	U1225-00	Butt Rib, Left #1	1	**$209.63**
12470-001	U1225-01	Butt Rib, Right #1	1	**$160.40**

12472-000	U1226-00	Tank Bay Rib, #2 and #3	2	**$196.17**
12662-002	U1200-02	Nose Rib	7	**$32.76**
15712-000	U1200-05	Nose Rib at Strut Point	1	**$46.08**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**

PA-25 150hp

Piper #	Univair #	Description	# Per Wing	Price/Ea
61068-000	U61068-000	Nose Rib, Left #1	1	**$132.77**
61068-001	U61068-001	Nose Rib, Right #1	1	**$132.77**
61068-002	U61068-002	Nose Rib, Left #2 and #3	2	**$137.78**
61068-003	U61068-003	Nose Rib, Right #2 and #3	2	**$132.77**
61068-003	U61068-003	Nose Rib, Left #4	1	**$132.77**
61068-002	U61068-002	Nose Rib, Right #4	1	**$137.78**
12662-002	U1200-02	Nose Rib, #5 - #11 and #13 - #16	11	**$32.76**
12662-005	U1200-07	Nose Rib #12	1	**$50.38**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**
61424-004	N/A	¾ Rib, #3, #5 and #6	3	**N/A**
61424-002	N/A	¾ Rib, #4	1	**N/A**
61424-003	N/A	¾ Rib, #7	1	**N/A**
61424-006	N/A	¾ Rib, #8	1	**N/A**
61298-000	N/A	¾ Rib, #9	1	**N/A**
61424-005	N/A	¾ Rib, #10	1	**N/A**
13022-011	U1207-00	¾ Rib, #11	1	**$185.63**
13022-002	U1207-00	¾ Rib, #12 and #13	2	**$185.63**
12902-000	U1206-00	Outboard Aileron Bay Rib, Left #14	1	**$238.60**
12902-001	U1206-01	Outboard Aileron Bay Rib, Right #14	1	**$220.47**
10742-002	U1202-00	Tip Rib, Left #15	1	**$208.37**
10742-003	U1202-01	Tip Rib, Right #15	1	**$197.06**
61210-000	U61210-000	Trailing Edge Wing Walk Rib, Left #1 – Note E	1	**$121.44**
61210-001	U61210-001	Trailing Edge Wing Walk Rib, Right #1 – Note E	1	**$121.44**
61210-003	U61210-003	Trailing Edge Wing Walk Rib, Left #2 – Note E	1	**$187.18**
61210-002	U61210-002	Trailing Edge Wing Walk Rib, Right #2 – Note E	1	**$187.18**
61211-004	U61211-006	Wing Walk Rib, Left #1	1	**$230.41**
61211-005	U61211-007	Wing Walk Rib, Right #1	1	**$221.54**
61211-007	U61211-007	Wing Walk Rib, Left #2 – Note E	1	**$221.54**
61211-006	U61211-006	Wing Walk Rib, Right #2 – Note E	1	**$230.41**

PA-25 235D and 260D

Piper #	Univair #	Description	# Per Wing	Price/Ea
61068-000	U61068-000	Nose Rib, Left #1	1	**$132.77**
61068-001	U61068-001	Nose Rib, Right #1	1	**$132.77**
61068-002	U61068-002	Nose Rib, Left, #2 and #3	2	**$137.78**
61068-003	U61068-003	Nose Rib, Right, #2 and #3	2	**$132.77**
61068-003	U61068-003	Nose Rib, Left #4	1	**$132.77**
61068-002	U61068-002	Nose Rib, Right #4	1	**$137.78**
12662-002	U1200-02	Nose Rib, #5 to #11 and #15	8	**$32.76**
12662-005	U1200-07	Nose Rib #12	1	**$50.38**
12662-004	U1200-08	Nose Rib at Tank Bay, #13 and #14	2	**$35.85**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**
64269-000	N/A	¾ Rib, #3 and #5	2	**N/A**
64267-002	N/A	¾ Rib, #6	1	**N/A**
64268-000	N/A	¾ Rib, #4	1	**N/A**
64216-000	N/A	¾ Rib, #7	1	**N/A**
64215-000	N/A	¾ Rib, #8	1	**N/A**
64217-002	N/A	¾ Rib, #9	1	**N/A**
64214-002	N/A	¾ Inboard Tank Bay Rib, Left #10	1	**N/A**
64214-003	N/A	¾ Inboard Tank Bay Rib, Right #10	1	**N/A**
60304-000	N/A	Tank Bay Rib, #11 and #12	2	**N/A**
13022-012	N/A	¾ Outboard Tank Bay Rib, Left #13	1	**N/A**
13022-013	N/A	¾ Outboard Tank Bay Rib, Right #13	1	**N/A**
12902-000	U1206-00	Outboard Aileron Bay Rib, Left #14	1	**$238.60**
12902-001	U1206-01	Outboard Aileron Bay Rib, Right #14	1	**$220.47**
10742-002	U1202-00	Tip Rib, Left #15	1	**$208.37**
10742-003	U1202-01	Tip Rib, Right #15	1	**$197.06**
61210-000	U61210-000	Trailing Edge Wing Walk Rib, Left #1 – Note E	1	**$121.44**
61210-001	U61210-001	Trailing Edge Wing Walk Rib, Right #1 – Note E	1	**$121.44**
61210-003	U61210-003	Trailing Edge Wing Walk Rib, Left #2 – Note E	1	**$187.18**
61210-002	U61210-002	Trailing Edge Wing Walk Rib, Right #2 – Note E	1	**$187.18**
61211-004	U61211-006	Wing Walk Rib, Left #1	1	**$230.41**
61211-005	U61211-007	Wing Walk Rib, Right #1	1	**$221.54**
61211-007	U61211-007	Wing Walk Rib, Left #2 – Note E	1	**$221.54**
61211-006	U61211-006	Wing Walk Rib, Right #2 – Note E	1	**$230.41**
15831-002	U1200-02	Nose Rib, #5 to #11, #13 and #15 – Note F	9	**$32.76**
15831-007	U1200-07	Nose Rib #12 – Note F	1	**$50.38**
15831-008	U1200-08	Nose Rib at Tank Bay, #14 – Note F	1	**$35.85**

PA-25 235, 235B, 235C and 260C

Piper #	Univair #	Description	# Per Wing	Price/Ea
61068-000	U61068-000	Nose Rib, Left #1	1	**$132.77**
61068-001	U61068-001	Nose Rib, Right #1	1	**$132.77**
61068-002	U61068-002	Nose Rib, Left, #2 and #3	2	**$137.78**
61068-003	U61068-003	Nose Rib, Right, #2 and #3	2	**$132.77**
61068-003	U61068-003	Nose Rib, Left #4	1	**$132.77**
61068-002	U61068-002	Nose Rib, Right #4	1	**$137.78**
12662-002	U1200-02	Nose Rib, #5 to #11, #13, #15 and #16	10	**$32.76**
12662-005	U1200-07	Nose Rib #12	1	**$50.38**
16192-000	U1216-00	Tip Nose Rib, Left	1	**$35.27**
16192-001	U1216-01	Tip Nose Rib, Right	1	**$52.56**
64269-000	N/A	¾ Rib, #3 and #5	2	**N/A**
64267-002	N/A	¾ Rib, #6	1	**N/A**
64268-000	N/A	¾ Rib, #4	1	**N/A**
64216-000	N/A	¾ Rib, #7	1	**N/A**
64215-000	N/A	¾ Rib, #8	1	**N/A**
64217-002	N/A	¾ Rib, #9	1	**N/A**
64214-000	N/A	¾ Rib, #10	1	**N/A**
64212-000	N/A	¾ Rib, #11	1	**N/A**
13022-002	U1207-00	¾ Rib, #12 and #13	2	**$185.63**
12902-000	U1206-00	Outboard Aileron Bay Rib, Left #14	1	**$238.60**

12902-001 .... U1206-01 ..... Outboard Aileron Bay Rib, Right #14 ... 1.... **$220.47**
10742-002 .... U1202-00 ..... Tip Rib, Left #15 ..... 1.... **$208.37**
10742-003 .... U1202-01 ..... Tip Rib, Right #15 ..... 1.... **$197.06**
61210-000 .... U61210-000 ... Trailing Edge Wing Walk Rib, Left #1 – Note E ..... 1.... **$121.44**
61210-001 .... U61210-001 ... Trailing Edge Wing Walk Rib, Right #1 – Note E ..... 1.... **$121.44**
61210-003 .... U61210-003 ... Trailing Edge Wing Walk Rib, Left #2 – Note E ..... 1.... **$187.18**
61210-002 .... U61210-002 ... Trailing Edge Wing Walk Rib, Right #2 – Note E ..... 1.... **$187.18**
61211-004 .... U61211-006 ... Wing Walk Rib, Left #1 ..... 1.... **$230.41**
61211-005 .... U61211-007 ... Wing Walk Rib, Right #1 ..... 1.... **$221.54**
61211-007 .... U61211-007 ... Wing Walk Rib, Left #2 – Note E ..... 1.... **$221.54**
61211-006 .... U61211-006 ... Wing Walk Rib, Right #2 – Note E ..... 1.... **$230.41**

NOTES KEY

NOTE A For serial numbers 1 to 3770, 3772 to 3780

NOTE B For serial numbers 3771, 3781 and up

NOTE C Without right tank: 10 ribs – right wing, 8 ribs – left wing. With right tank: 8 ribs – right wing, 8 ribs – left wing.

NOTE D Only with tank: 2 ribs – right wing, 2 ribs – left wing.

NOTE E Indicates Univair ribs FAA-PMA approved separately from these STC'd ribs.

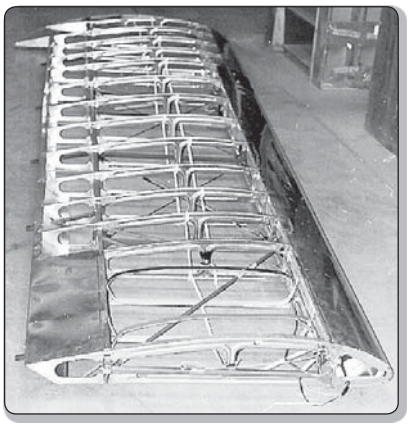
NOTE F Indicates Piper stamped aluminum ribs that may replace original built-up Piper ribs.

Univair Ribs – Approved Repair and Alternate Installation Procedure

When using a Univair stamped aluminum replacement rib, AD42BSLF pop rivets may be used as the fabric attachment method. The pop rivet is installed through standard ½" reinforcement tape and covered with 2" fabric tape, just as though rib stitching were used. The hole for the pop rivet is to be made with an awl or other sharp pointed, round instrument to part the cloth fibers rather than cut them. All ribs requiring fabric attachment are pre-drilled at the approved location and spacing. In some wing assemblies, the same rib may be placed both within the propeller slipstream and outside the propeller slipstream. All Univair stamped ribs have flanges that are drilled for use outside the slipstream (3" rivet spacing, approximate). To use these ribs within the slipstream area, drill an additional #30 rivet hole centered between each existing hole. The nose ribs do not require fabric attachment; therefore, no holes are drilled for the pop rivets. Notches on some wing leading edge covers may require modification to clear the upper reinforcement doubler on Univair ribs. Remove only the minimum amount of material necessary to clear the doubler and deburr the notch as required after modification.

Sheet metal screw attachment of fabric is not permitted.

Although it is desirable to install new ribs intact, the following procedure may be used to install new ribs when it is unnecessary to disassemble the remainder of the wing.



When installing a Univair rib in sections, the entire Piper rib must be replaced by a Univair rib. Splicing a section of a Univair rib into a Piper rib is not permitted.

1. Drill out rivets through angles and doublers as required to permit cutting of rib.
2. Cut through rib flange and web so that cut extends vertically from the center of the spar notches. Remove the damaged section.
3. Deburr cut areas as required.
4. Reassemble rib using new section(s) as required. Reattach doublers using AN470AD4 rivets in the original holes. If desired, rivets may be replaced by #6 or #8 steel machine screws and AN365 stop nuts.
5. Since Univair stamped replacement ribs do not have a doubler at the upper rear spar notch, one must be installed if the flange and web are cut at this point. Install doubler with the doubler flange and rib flange facing the same direction. Using existing holes as a guide, drill holes through doubler and install rivets or screws as per step #4.

NOTE

For proper replacement rib selection, refer to our Rib Application Lists on the previous pages. There are a few cases where a given Piper rib has more than one corresponding Univair replacement rib.

Doublers and Pop Rivets

When ribs are separated into 3 pieces, a fourth doubler is required to reinforce the spar hole opening.

Doubler for Left Flanged Ribs ..... U1303-01 ..... **$10.37**
Doubler for Right Flanged Ribs ..... U1303-02 ..... **$9.86**
Fabric Pop Rivet (⅛" diameter, ¼" long) ..... AD42BSLF **$0.18**

Note: Approximately 550 rivets per 16 rib wing (34 rivets per rib).

Rib Kits

The following rib kits include Univair stamped aluminum wing ribs. Lists of the ribs included in each kit can be found on our website. Kits contain ribs only; no other parts or hardware are included.

Description	Kit #	Price
J-3 Rib Kit, Left	RK-0301	**$2,756.25**
Right	RK-0302	**$2,756.25**
PA-11 Rib Kit, Left	RK-1101	**$2,811.38**
Right	RK-1102	**$2,811.38**
Right with Tank Bay	RK-1103	**$2,811.38**
PA-12 Rib Kit, Left	RK-1201	**$2,976.75**
Right	RK-1202	**$2,976.75**
PA-14 Rib Kit, Left	RK-1401	**$2,921.63**
Right	RK-1402	**$2,921.63**
PA-15/17 Rib Kit, Left	RK-1501	**$2,149.88**
Right	RK-1502	**$2,149.88**
PA-16 Rib Kit, Left	RK-1601	**$2,149.88**
Right	RK-1602	**$2,149.88**
PA-18 Rib Kit, 95hp, Left	RK-1801	**$2,811.38**
95hp, Right	RK-1802	**$2,811.38**
95hp, Right with Tank Bay	RK-1803	**$2,811.38**
105-125hp, Left	RK-1804	**$2,811.38**
105-125hp, Right	RK-1805	**$2,811.38**
105-125hp, Right with Tank Bay	RK-1806	**$2,976.75**
135hp, Early, Left	RK-1807	**$2,921.63**
135hp, Early, Right	RK-1808	**$2,921.63**
135hp, Late, Left	RK-1809	**$2,976.75**
135hp, Late, Right	RK-1810	**$2,976.75**
150hp, Left	RK-1811	**$3,307.50**
150hp, Right	RK-1812	**$3,307.50**
PA-20/22 Rib Kits		
125-135hp, Left	RK-2001	**$2,260.13**
125-135hp, Right	RK-2002	**$2,260.13**
PA-20, 115hp, Left	RK-2003	**$2,260.13**
Right	RK-2004	**$2,260.13**
PA-22, 108hp, Left	RK-2201	**$2,480.63**
108hp, Right	RK-2202	**$2,480.63**
108hp, Right with Tank Bay	RK-2203	**$2,480.63**
150-160hp, Left	RK-2204	**$2,480.63**
150-160hp, Right	RK-2205	**$2,480.63**

Wing Assemblies With Univair Ribs

Wing assemblies are uncovered. Assemblies are made-to-order; please allow 6-8 weeks for delivery. Crate charges apply; see page 307 for details.

Model	Part #	Price
PA-18 150hp • STC/PMA Approved, Left	U14394-000	**$15,238.11**
Right	U14394-001	**$14,740.39**

Supplemental Type Certificates

Lycoming O-290-D or O-290-D2 in J-5A Only

Includes a 501 engine mount, installation instructions and STC approval.

Stoddard Mount and STC ..... STC-SA495AL **$1,386.24**

PA-22 Drum-to-Disc Brakes

This kit consists of two Cleveland 40-28 wheels, two Cleveland 30-18 brakes and one STC approval, STC-SA91AL.

Drum-to-Disc Brakes ..... 199-27600 ..... **CALL**

PA-20 Crankcase Pressure Relief Valve

Relieves crankcase pressure and prevents engine damage and failure due to oil loss from freezing of the breather line. For all Lycoming O-320.

Pressure Relief Valve and STC ..... STC-SA509AL **$216.75**

Crankcase Pressure Relief Valve

For Lycoming O-320 series. Relieves crankcase pressure and prevents engine damage and failure due to oil loss from freezing of the breather line.

Relief Valve ..... STC-SE508AL **$212.66**

J-3C Crankcase Pressure Relief Valve

Relieves crankcase pressure and prevents engine damage and failure due to oil loss from freezing of breather line.

Crankcase Pressure Relief Valve and STC ..... STC-SA507AL **$198.50**

PA-11 Flap Conversion Kit

Consists of two each PA-18 flaps, flap handle, flap handle support, flap brackets, cables, pulleys, pulley supports, fairleads, bushing supports, and installation instructions.

STC Approval Only ..... STC-SA35AL **$183.41**
STC and Flaps, Uncovered ..... STC-SA35ALU **$5,933.64**

PA-22/20 Rudder Pedal

- Applicability: Piper PA-22/20 conversion
- Per STC SA45RM
- FAA-PMA approved

A-1260 ..... **$302.38**

PA-12 or PA-12S Engine Conversion: Installation of Lycoming O-290 D or O-290 D2

Minimum Required Purchase:

501 Engine Mount, Installation Instructions and STC Approval ..... STC-SA59AL **$1,386.24**

Installation Kit (Excludes Engine and Oil Cooler)
501 Engine Mount, STC and Items Listed Below ..... STC-SA59ALK **$8,741.18**

Kit consists of:

Engine Baffles

12367-006	**$366.52**	12427-000	**$158.16**
12424-000	**$170.91**	12428-004	**$360.83**
12425-000	**$117.36**	12749-005	**$252.76**
12426-000	**$176.10**	13744-000	**$402.81**

Oil Cooler Installation

Medium Pressure Hose (AN6264-8-32)	MS28741-8-0320	**$192.36**
Medium Pressure Hose (AN6264-8-38)	MS28741-8-0380	**$202.66**
90° Elbow Fittings (x3) (AN822-8D)	MS20822-8D	**$89.71**
45° Elbow Fitting (AN823-8D)	MS20823-8D	**$28.20**
Oil Radiator Mounting Bracket, Right	U13720-000	**$391.72**
Oil Radiator Mounting Bracket, Left	U13725-000	**$639.26**

Exhaust System (PA-18 Crossover)

Muffler Shroud	12436-000	**$351.51**
Muffler Assembly	U12433-015	**$1,324.84**
Front Exhaust Stack Assembly	U12457-012	**$1,317.81**
Rear Exhaust Stack Assembly	U12457-013	**$1,377.15**
Air Scoop	U13717-000	**$351.48**
Muffler Shroud Clip	U71261-005	**$53.98**

J-3 Continental O-200A (100hp) Engine Conversion

• O-200A Conversion for J-3 with standard length metal spar wings

This conversion, STC-SA7435SW, is for the stock J-3 with metal spars. Fuel capacity will have to be increased by at least 15 U.S. gallons. Any STC'd auxiliary wing-mounted fuel system for the J-3 will cover this requirement. However, the original 12 gallon frame tank will be limited to six usable gallons. Additional information detailing other requirements of this installation is available from Univair.

STC and Paperwork	STC-SA7435SW	**$458.54**
Engine Mount (if Univair mount is not already installed)	U71163-000	**$1,319.82**
McCauley Propeller	DCM6944	**$5,345.60**
Engine Bushing Hardware Kit	DK200-1	**$870.28**
Battery Box Installation Kit	DK200-2	**$1,569.57**
Wing Tank Installation Kit	DK200-3	**$6,772.61**
162" Stringer Blank	1232-162	**$75.41**

Critical Requirements for Piper J-3 O-200A Installations of STC-SA107RM and STC-SA7435SW

1. The aircraft must have the Univair part number U71163-000 engine mount, if not already installed previously.
2. Fuel capacity must be increased using wing tanks of at least 15 gallons additional capacity. The Piper 18 gallon wing tank specified in the STC or any other STC approved tank system may be used.
3. An electrical system is optional.
4. A wide stringer must be installed along the left side of the frame so fabric will clear the fuel selector valve that is part of the fuel system modification. A window stop channel is also installed above the fuel selector valve.
5. Cowling and exhaust stack modifications are required if an electrical system is installed and may be necessary even if the electrical system is omitted.
6. The Continental O-200A engine must be equipped with a 15 amp generator and a key activated starter if an electrical system is installed. These requirements must be met so that the accessories clear the firewall.
7. Some types of high profile magnetos eligible for use on the O-200A engine may not be suitable for installation on the Piper J-3 aircraft due to interference with the engine top cowl assembly.
8. There is no gross weight increase using STC-SA7435SW. Weight added during conversion reduces useful load and may limit the aircraft's utility.

PA-12 or PA-14 Engine Conversion: Installation of Lycoming O-320, -A1A, -A1B, -A2A, -A2B, -A2C, A3A, -A3B, -A3C, -C2A, -C2B, -C3A, -C3B

Minimum Required Purchase:

501 Engine Mount, Installation Instructions and STC Approval ..... STC-SA83AL-501 ..... **$1,424.50**

Installation Kit (excludes engine and oil cooler)
501 Engine Mount, STC and items listed below ..... STC-SA83ALK **$6,635.93**

Kit consists of:

Engine Baffles

U14439-000	**$290.63**	U14456-000	**$161.66**
U14440-000	**$281.20**	U14457-000	**$131.10**
U14452-000	**$167.54**	U14458-000	**$476.85**
U14455-000	**$124.08**	U14467-000	**$521.63**

Oil Cooler Installation

Medium Pressure Hose (AN6264-8-32)	MS28741-8-0320	**$192.36**
Medium Pressure Hose (AN6264-8-38)	MS28741-8-0380	**$202.66**
90° Elbow Fittings (x3) (AN822-8D)	MS20822-8D	**$89.71**
45° Elbow Fitting (AN823-8D)	MS20823-8D	**$28.20**
Air Scoop	U13717-000	**$351.48**
Oil Radiator Mounting Bracket, Right	U13720-000	**$391.72**
Oil Radiator Mounting Bracket, Left	U13725-000	**$639.26**

Intercylinder Baffle Hooks (x2)	71610	**$5.95**
Intercylinder Retainers (x2)	71611	**$21.73**
Intercylinder Tie Rods (x2)	72150	**$508.90**
Intercylinder Tie Rods (x2)	U14513-000	**$55.10**

STC-SA02267AK Piper PA-12 180hp Modification

This STC provides for the installation of the Lycoming 0-360-A2A 180hp engine. The -A2A series is one of the most common versions of the Lycoming 0-360 series. It uses a Dynafocal type engine mount, part number D200.

This conversion is applicable on the PA-12 landplane licensed in the Normal Category only. It is not approved for the PA-12S seaplane.

Propeller: McCauley 1A200-FA8242 fixed-pitch propeller with alternate pitches of 43" and 44". Note that compatibility of this design change with previously approved modifications must be determined by the installer.

Paperwork includes:
- STC
- Instructions for Continued Airworthiness
- Aircraft Flight Manual Supplement
- Installation instructions which include fabrication and installation drawings

This is a fairly extensive modification requiring significant fabrication of parts that will have to be "hand fitted" for proper installation. There are several other components that must be used to perform this installation. These must be obtained from various vendors. They include:
- Carburetor – Marvel MA4-5
- Air Filter* – Brackett BA5110
- Oil Cooler – Niagara 20003A (engine baffle mount)
- Front and Rear Header Tanks* – F. Atlee Dodge part numbers 3169-1A and 3169-2
- Fuel Tanks (Left and Right) – F. Atlee Dodge 30.5 gallon or Dakota Cub 24 gallon fuel tank
- Gascolator – Steve's Aircraft SA3-10 (STC SA01026SE)
- Fuel Selector Valve* – Modified Univair part number U491-947K
- Muffler and Exhaust – Leading Edge Exhaust Systems (STC SA02200AK)
- Carburetor Air Box – Aircraft Spruce part number 08-01630

* Item may be purchased separately from Univair

The only approved propeller is the McCauley FA8242 fixed-pitch prop. Alternate pitches include 43" and 44".

STC as provided by Univair Aircraft Corporation will include engine mount and STC related paperwork only.

This is a labor-intensive conversion involving many modifications to the original PA-12 aircraft and engine systems and need to be performed by a qualified aircraft mechanic. Modifications include, but are not limited to the above list. Prior to any modification, Univair recommends that the owner/operator consult with his AP and IA to discuss the details involved with this installation.

Conversion Mount and STC Only.....STC-SA02267AK **$4,310.58**
Propeller ..... FA8242 .....**$9,568.49**

CONTACT INFO

F. Atlee Dodge Aircraft Services, LLC
6672 Wes Way
Anchorage, AK 99518-0409
Phone: 907-344-1735
Toll Free: 877-332-8533
Website: www.fadodge.com

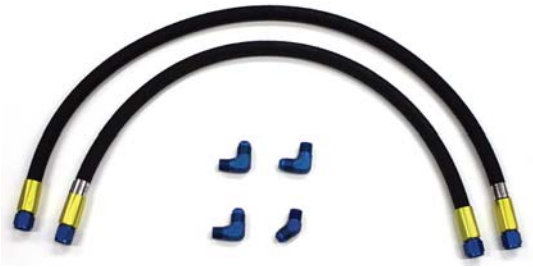
Leading Edge Exhaust Systems
6250 Tuttle Place, Suite 1
Anchorage, AK 99507
Phone: 907-248-1188
Webiste: www.wemakeyoufly.com

Steve's Aircraft
15373 Jones Road
White City, OR 97503-9577
Phone: 541-826-9729
Website: www.stevesaircraft.com

Aeroquip Hoses

Aeroquip Hoses for Oil Cooler

- Applicability: Piper PA-12, PA-14, PA-18, PA-20 and PA-22



Aeroquip hoses for oil cooler to replace steel tubes. Kit includes one 32" long hose, one 38" long hose, three 90° elbows, and one 45° elbow for ⅜" pipe. Field approval required.

Aeroquip Oil Cooler Lines Kit.....AEROQUIP-KT **$1,363.04**

Muffler Modification

Muffler Wire Bail

FAA-PMA APPROVED

- Applicability: Piper J-3C, PA-18
- Prevents loss of power due to failure of muffler flame tubes
- Welded inside muffler outlet to guard against flame tube failure and obstruction of exhaust outlet

Muffler Wire Bail ..... U452-093 ..... **$56.67**

FREE SHIPPING on orders over $300.
FREE FREIGHT on orders over $3,000.
Contiguous 48 U.S. states only.
Other restrictions apply – see page 3 for details.

Cleveland Wheels & Brakes Conversion Kits for Piper

Cleveland Conversion Kit

- Applicability: Piper J-3 to PA-18-150 Cub (6.00-6, 7.00-6, and 8.00-6 tires)
- For use with 1¼" axles

Supplemental Type Certificate SA11RM-1.25 allows the installation of the popular Cleveland 199-07100 kit on many of the older Pipers using 1¼" axles. This kit replaces the original Goodrich (Hayes) wheels and brakes. The kit uses 6.00 x 6 tires and the STC allows larger tires up to 8.00 x 6 to be installed.

Request STC-SA11RM-1.25 when you purchase the conversion kit 199-07100 and we will include it free of charge. Not applicable on J-4 and J-5.

Cleveland Conversion Kit ..... 199-07100 ..... **$5,795.53**

Additional items needed for installation:

Brake Line Assemblies (2 required)* ..... U60703-002 ..... **$79.83**
90° Male Elbows (2 required)* ..... 402X4 ..... **$5.08**
90° Union Elbows (2 required)* ..... 502X4 ..... **$16.24**
Supplemental Type Certificate ..... STC-SA11RM-1.25 ..... **$145.44**

* Priced and sold individually

Cleveland Heavy Duty Conversion Kit

Supplemental Type Certificate SA11RM-1.5 allows the installation of 1½" axles so that a heavy duty double puck wheel and brake assembly can be installed. Request STC-SA11RM-1.5 when you purchase the conversion kit and we will include it free of charge. Not applicable on J-4 and J-5.

- For use with 1½" straight axles only
- For use with 6.00 x 6 and 7.00 x 6 tires only
- This dual piston brake is designed for superior performance
- This kit may require the purchase of axle spacers for proper installation, depending on application. Axle spacers sold separately.
- Must have STC approval

Cleveland Heavy Duty Conversion Kit
(Includes 2 each: wheels, brakes) ..... 199-23100 ..... **CALL**

Approval only for 1½" axles as used with Heavy Duty Cleveland Wheels and Brakes
For J-3, PA-11 and PA-18 ..... STC-SA11RM-1.5J **$145.44**
For PA-12, PA-14, PA-16 and PA-20 ..... STC-SA11RM-1.5P **$145.44**

We Accept: VISA MasterCard DISCOVER PayPal

Order online or by phone.

Cleveland Disc Brake Conversion Kit

- Applicability: PA-22 Tri-Pacer

These wheels and single puck disc brakes are the same as used on the PA-22-108 Colt. It is a straight bolt-on replacement for the original Cleveland/Van Sickle drum and shoe type brakes. No modification to axle. No axle spacers.

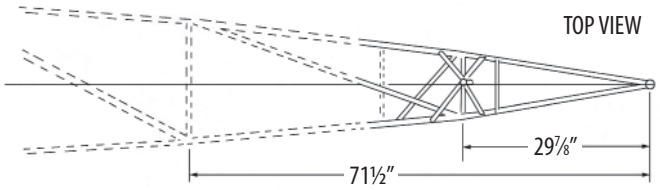
STC-SA91AL will be supplied at no charge when the kit is purchased. The STC may also be purchased separately (serial number required for STC issuance).

Cleveland PA-22 Brake Kit ..... 199-27600 ..... **CALL**
STC (when purchased separately) ..... STC-SA91AL **$98.47**

Tail Repair Sections

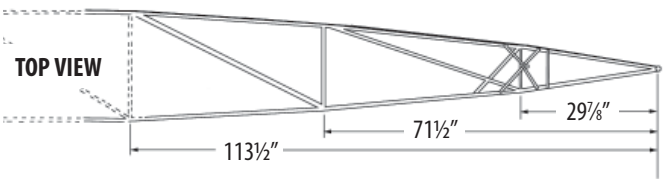
J-3, PA-11 Short Tail Repair Section

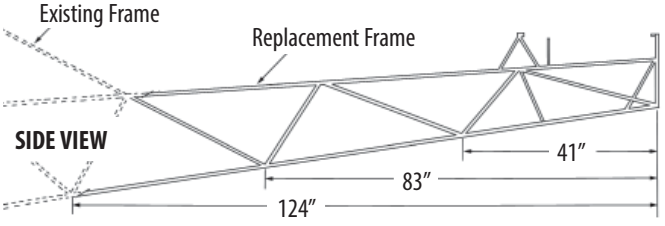
Our jig-welded 4130 steel repair assemblies includes tail post, bottom rudder hinges, stabilizer rear brackets, tail spring and brace tube attach fittings, jackscrew tower, and top and bottom longeron stub tubes. Kit includes splice tubes, STC and instructions.



J-3, PA-11 Short Tail Repair Section ..... SA00002DE-02 ..... **$4,427.99**

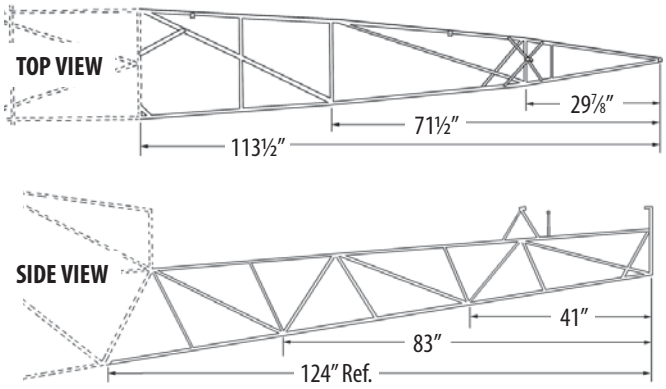
J-3, PA-11 Long Tail Repair Section





J-3, PA-11 Long Tail Repair Section ..... SA00002DE-01 ..... **$5,930.69**

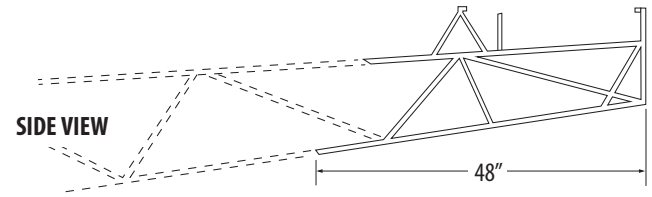
PA-18 Long Tail Repair Section



PA-18 Long Tail Repair Section..... STC-SA4077NM-01 ..... **$6,598.31**

PA-18 Short Tail Repair Section with Jackscrew Tower

FAA-PMA APPROVED



PA-18 Short Tail Repair Section
with Jackscrew Tower ..... STC-SA4077NM-02 ..... **$3,905.24**

PA-18 Short Tail Repair Section w/o Jackscrew Tower

- PA-18 short tail repair section without jackscrew tower

U12183-TSK **$2,133.59**

NOTES

PA-22 Instrument Panel Modification

Application

The later model Tri-Pacers and Colts have a full gyro panel, identified by the raised portion on the left hand side. The production instrument panel was designed to accommodate the AN style instruments available at the time the airplanes were produced. Structural tubing behind the panel complicates the installation of deep instruments (such as a DG) low in the panel, hence the odd configurations seen in many airplanes.

Design Features

This modification (STC SA00428SE) upgrades the panel to use modern 3⅛″ instruments. It raises the location of all instruments and allows for the installation of typical DGs in the center of the "T" below the artificial horizon.

The modification has provisions for seven 3⅛″ instruments and one 2¼″ instrument. The cutouts for the horizon and turn coordinator allow for leveling to correct for any installation misalignment. In the event the airplane is to be returned to the production configuration, this can be done in a manner which closely matches the original.

The Kit

The kit consists of a panel overlay with cutouts for the instruments. Placards, mounting hardware, installation instructions and drawings are included.

Installation

The installation requires trimming the existing panel, deburring and touching up the trimmed areas and the installation of nut plates. No structural tubing needs to be cut.

Approval

After installing the modification, a Form 337 must be completed and signed by an AI confirming that the installation was done per the STC. A record of each aircraft modified will be kept.

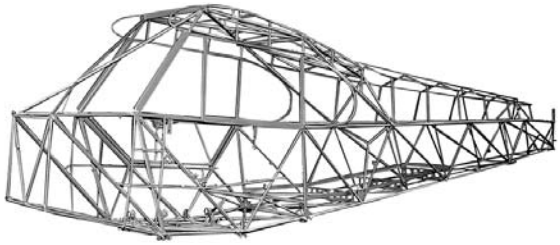
The installation of new 3⅛″ instruments is not a part of this STC and will require a separate Form 337.

Kit for PA-22-150/160..... 92WD005100-1 ..... **$404.47**
Kit for PA-22-108 Colt ..... 92WD005100-501 ..... **$342.44**

Shop Online: www.univair.com
Toll Free Sales: 1-888-433-5433

Piper Frames

J-3, PA-11, and PA-18 Frames – Standard Features



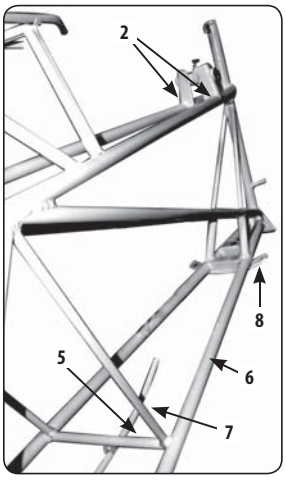
- Frames are built-to-order – please allow 2-3 months for delivery
- Crate cost CR3 will be added to shipping costs, see page 307 for details
- STC approved
- Sandblasted and epoxy primed
- Upper and lower doors included
- Heavy duty tailwheel support is internally bushed
- Longerons are internally oiled and sealed
- All 4130 tube construction

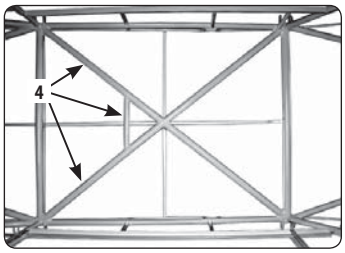
J-3 Cub • STC SA00029DE ..... R24096-000 ..... **$20,500.10**
PA-11 Cub Special • STC SA00343DE..... R10560-000 ..... **$21,861.51**
PA-18 Super Cub • STC SA4095NM ..... J12446-006 ..... **$20,498.69**
PA-18 Super Cub • STC SA4095NM (same as above but includes tabs for metal belly skins) ..... J12446-007 ..... **$22,619.98**

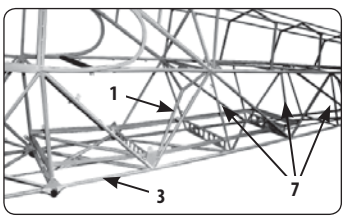
Univair PA-18 Frame – Alaskan Features

In addition to the standard features listed above, Univair PA-18 frames include the following STC approved features:

1) PA-18 includes inverted "dog leg" brace behind baggage compartment
2) Internally sleeved upper longeron under horizontal stabilizer mount
3) Heavy duty .049" lower longeron in cabin aft to "factory" splice
4) Top cabin "X" brace
5) Additional tail section bracing
6) Extended internal sleeve in lower longeron up to the first longeron brace
7) Addition of small longeron brace tubes in each bay aft of cabin
8) STC approved tail brace wire attachment eliminates AD
9) "X" braced tail

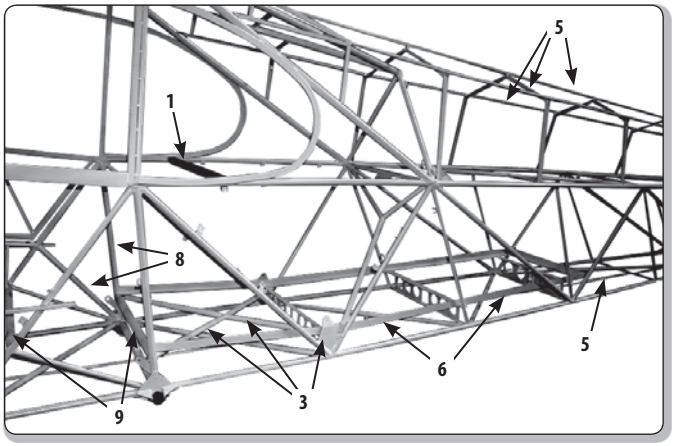






PA-18 Frame Options **STC APPROVED**

- The options below cannot be purchased without the purchase of a frame
- Special order tabs or modifications i.e. for panels, cargo pods and inspection covers will apply



1) Removable Rear Seat Cross-Member ..... F1400-00 ..... **$297.75**
2) Shoulder Harness Attach Points (Not Shown) ..... F1400-01 ..... **$585.89**
3) Reinforced Baggage Floor and Tie Down Points ..... F1400-02 ..... **$499.45**
5) Tubular Keel and Stringers ⅜", Welded In ..... F1400-04 ..... **$614.70**
5) Tubular Keel and Stringers ½", Welded In ..... F1400-05 ..... **$614.70**
6) Extended Cabin Sleeping Compartment Channels and Supports (Structures Only Approved) ..... F1400-06 ..... **$403.40**
7) Front Seat Belt Attach Points to Frame (Not Shown) ... F1400-07 ..... **$278.54**
8) Heavy Duty Welded Float Fittings (F. Atlee Dodge) ..... F1400-08 ..... **$1,094.95**
9) Rear Seat Cross Tube without Spring Holes ..... F1400-29 ..... **No charge**
10) Extra Handholds on Longerons ..... F1400-28 ..... **$42.26**
11) Custom Window Frames for L-21 ..... F1400-22 ..... **$1,200.60**
12) Water Rudder Cable Tabs ..... F1400-24 ..... **$51.87**

PA-18 Modifications **STC APPROVED**

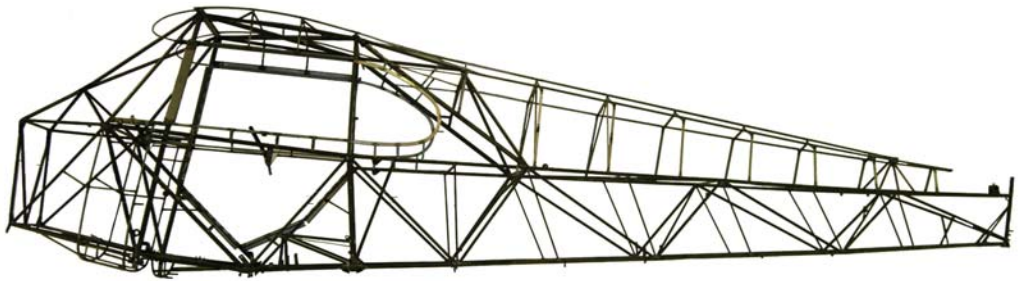
These modification kits can be purchased without the purchase of a frame.

Shoulder Harness Anchor Kit provides weld on attach points for both front and rear seat ..... STC-SA00248DE **$306.86**

Upper Cabin X Brace provides extra strength and protection. STC includes paperwork and weld-on X brace ..... STC-SA00083DE **$190.19**

Univair parts have been made in the USA since 1946

Piper PA-12 Super Cruiser Frame



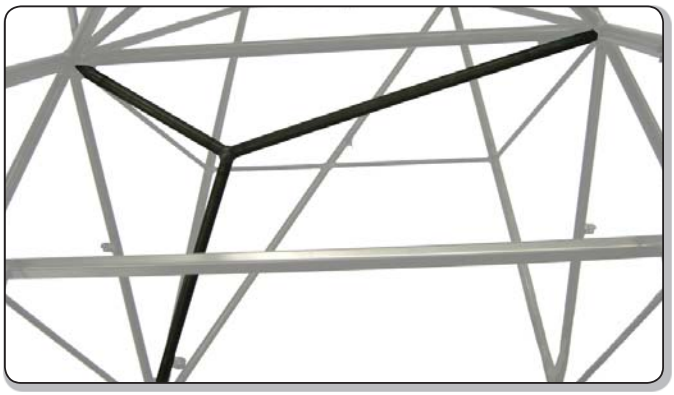
- This frame is built-to-order – please allow 6-8 weeks for delivery
- Can be customized to your needs with the options listed below

This is built similar to the later version of the Piper print for the PA-12; the main difference is the windshield attach point. This frame is for a square-top windshield. There is also some difference in the doors and door channels, and in the rear seat area from earlier 1947 models.

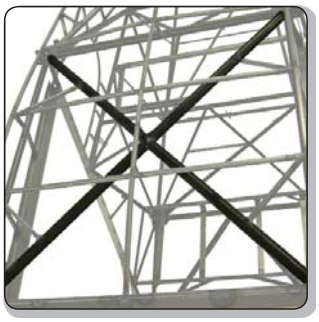
Standard upgrades included in base frame:
- X-brace in upper cabin
- Heavy duty tailspring attach tube
- Heavy duty tail brace wire attach
- All 4130 tube construction (door not included)
- Rear baggage diagonal replaced with inverted dog leg

PA-12 Frame and Superstructure ..... U24066-000 ..... **$25,876.89**

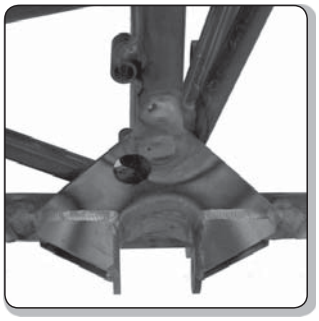
STANDARD UPGRADES INCLUDED:



Inverted Dog Leg



X Brace



Float Fitting

PA-12 Frame Options **STC APPROVED**

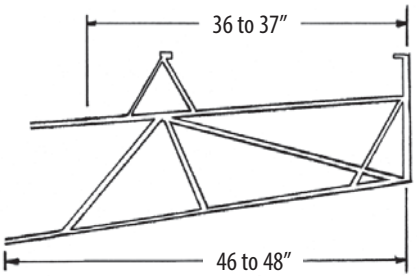
- For PA-12 frame U24066-000
- These options cannot be sold without the purchase of a frame

PA-18 Style Elevator Cable Routing
(Separate Third-Party STC Required)..... F1401-00 ..... **$172.43**
PA-18 Landing Gear Attach
(Separate Third-Party STC Required)..... F1401-02 ..... **$258.64**
Floor Mount Seat Belt Attach Points (Field Approval
or Separate F. A. Dodge STC Required) ..... F1401-04 ..... **$278.53**
Left Tube From Wing Fitting
To Gear Fitting, Seaplane Brace ..... F1401-06 ..... **$189.67**
PA-14 Style Double Wishbone Over Baggage Area
(Separate F. A. Dodge STC Required)..... F1401-07 ..... **$206.91**
Float Fittings and Water Rudder Cable Tabs
(Separate F. A. Dodge STC Required)..... F1401-08 ..... **$1,094.91**
Tubular Top Stringers (not gross weight increase)..... F1401-09 ..... **$629.36**
PA-18 Style Trim Installation (Field Approval)..... F1401-10 ..... **$95.00**
PA-18 Style Front Seat Installation
(Separate F. A. Dodge STC Required)..... F1401-12 ..... **$776.96**

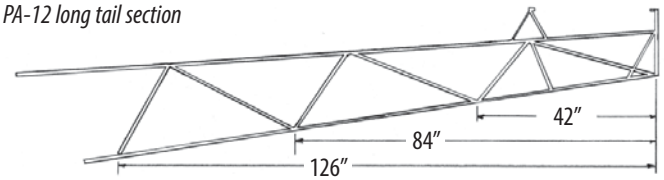
PA-12 Service Assemblies

PA-12 Long Tail Section..... DA24056-200 ..... **$6,689.50**
PA-12 Short Tail Section
(Forward of Aft Jackscrew Tower) ..... DA24056-201 ..... **$4,185.12**
Jackscrew Tower..... DA24056-202 ..... **$544.75**
Turtle Deck Arches..... DA21703-SET **$862.13**
Top Deck..... U24066-003 ..... **$2,930.81**

PA-12 short tail section



PA-12 long tail section



Piper Blank Skins

LEADING, TRAILING EDGES AND FALSE SPARS

Description	Length	Part Based On	Part Number	Price
Wing Leading Edge, Inboard (with Tank) PA-18 and PA-22 Style	31.5″	10630	CSI-1018	**$144.23**
False Spar, PA-18 Style Outboard Flap Bay	65″	11670	CSI-1019-065	**$68.51**
False Spar, PA-18 Style Outboard Flap Bay	96″	11670	CSI-1019-096	**$98.41**
Trailing Edge, Flap and Aileron	72″	11684	CSI-1020-072	**$96.47**
Fairing, PA-18 Style Flap Gap Seal	68″	12795	CSI-1023-068	**$65.44**
Leading Edge, Outboard Section, J-3, PA-11, PA-18 and PA-22	48″	13072	CSI-1024	**$98.62**
Wing Leading Edge, Center Inboard, PA-18 Style	34″	14387	CSI-1026	**$128.52**
Wing Leading Edge, Center Outboard, PA-18 Style	60″	14389	CSI-1027-060	**$180.00**
Wing Leading Edge, Center Outboard, PA-18 Style	72″	14389	CSI-1027-072	**$202.89**
False Spar, PA-18 Style Aileron Bay	60″	15572	CSI-1029-060	**$67.25**
False Spar, PA-18 Style Aileron Bay	96″	15572	CSI-1029-096	**$93.71**
Trailing Edge, Wing (J-3, PA-11, PA-18-195) Flap and Aileron	96″	15593	CSI-1020-096	**$124.38**
False Spar, PA-12/14 Style Aileron Bay	60″	16512	CSI-1030	**$94.24**
Aileron Leading Edge, PA-12/14 Style	108″	40401	CSI-1031-108	**$146.24**
Aileron Leading Edge, PA-18 Style	60″	40471	CSI-1032-060	**$61.08**
Pulley Cover (Teardrop), Aluminum	–	60752	CSI-1033	**$53.75**
Rear Window Channel Material, J-3, PA-11, PA-18, PA-22 Style	96″	10058-000	CSI-1013-096	**$79.31**
Wing Leading Edge, PA-12/14 Style, 5052-H34 Aluminum, .020″ thick	36⅝″	10116-002	CSI-1014	**$186.49**
Wing Leading Edge, PA-12/14 Style, 5052-H34 Aluminum, .020″ thick	72″	10116-004	CSI-1015	**$117.16**
Wing Leading Edge, PA-12/14 Style, 5052-H34 Aluminum, .020″ thick	63⅞″	10116-006	CSI-1016	**$102.85**
Leading Edge, J-4 and J-5 Style	72″	12192-004	CSI-1021	**$167.01**
Leading Edge, J-4 and J-5 Style	49″	12192-005	CSI-1022	**$159.05**
Flap Spar, PA-22	52″	12478-000	U12478-000	**$41.14**
Flap Spar, PA-18	62.5″	12478-002	U12478-002	**$70.62**
Aileron Spar, J-3, PA-11, PA-18	102.13″	42972-000	U42972-000	**$101.73**

SPAR AND STRINGER BLANKS

NOTE: All spar and stringer blanks must be shipped via motor freight.

Description	Length	Part Based On	Part Number	Price
Rear Spar Blank, Aluminum	195″	N/A	1023	**$393.04**
Front Spar Blank, Aluminum	204″	N/A	1334	**$515.26**
Large Stringer Blank, Aluminum (0.890″ x 0.380″)	162″	14978	1232-162	**$75.41**
Small Stringer Blank, Aluminum (0.508″ x 0.250″)	157″	14979	1231-157	**$37.71**
Large Stringer Blank, Aluminum (0.890″ x 0.380″)	120″	14983	1232-120	**$61.47**
Large Stringer Blank, Aluminum (0.890″ x 0.380″)	120″	14984	1232-120	**$61.47**

NOTES

STINSON

CONTENTS

Univair is the Type Certificate holder for the Stinson 108 series. We have thousands of quality parts specifically for these airplanes. Many of our parts are made on the original tooling that was used when these great aircraft were first made.

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All parts listed are for the 1946, 1947 and 1948 models of the 108 series Stinson, unless otherwise specified. Many parts can be correctly identified by the nomenclature listed in this section. However, we suggest that you also have the Stinson parts manual (SPM) to assist you in selecting the correct parts.

Manuals

Description	Part #	Price
108 Series Parts Catalog	SPM	**$38.77**
General Service Manual	SSM	**$51.20**
Service Bulletins and Letters	SBL	**$35.78**
Stinson Specifications, ADs and STCs	SSS	**$14.91**
108 CAA Operating Limits	108CAA	**$8.95**
108-1 CAA Approved Operating Limits	1CAA	**$12.48**
108-2 CAA Approved Flight Manual	2CAA	**$8.95**
108-3 CAA Approved Flight Manual	3CAA	**$8.95**
108-1 Owner's Manual	1WM	**$20.38**
108-2 Owner's Manual	2WM	**$20.38**
108-3 Owner's Manual	3WM	**$20.38**
108-1 Seaplane Operating Limits	1SP	**$12.48**
108-2 Seaplane Flight Manual	2SP	**$8.95**
108-3 Seaplane Flight Manual	3SP	**$8.95**
108 Ski-Plane Supplement	SKS	**$2.51**
108-1 Ski-Plane Supplement	1SKS	**$2.51**
108-2/-3 Sensenich Propeller Supplement	SFMS	**$1.49**
Appendix A Supplement (165hp Conversion)	SXA	**$2.51**
Stinson Story of Aircraft Progress	SSY	**$28.83**
Stinson Time/Speed/Distance Computer	SWC	**$15.65**
Stinson Computer Instructions	SCI	**$8.79**

Brakes

Description	Part #	Price
Brake Cylinder Outlet Coil Assembly	108-5101303-0	**$479.44**
Coil Brake Line Assembly	108-5101303-2	**$649.93**
Brake Line Coil Assembly	108-5101303-4	**$306.86**
Flexible Brake Hose	108-5101304-1	**$319.04**
Parking Brake Control Support Assembly	108-5101305	**$104.94**
Support	108-5101305-2	**$170.89**
Parking Brake Control Bridle	108-5101310-6	**$146.39**
Parking Brake Control Bridle	108-5101310-8	**$50.86**
Bridle Link Assembly	108-5101312	**$46.44**
Brake Line	108-5101313-2	**$50.42**
Bracket	108-5101314	**$242.50**
Brake Line (Cleveland)	108-5102017	**$93.43**
Union	108-5102018-6	**$60.64**
Master Cylinder	108-9010075	**$1,637.28**

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Cockpit • Interior

Description	Part #	Price
Primer and Throttle Support Assembly, 1946	108-3021100	**$47.15**
Primer and Throttle Support Assembly, 1947-78	108-3022100	**$45.71**
Top Instrument Panel Cover, 1946-48	108-3031009-1	**$266.28**
Trim Extrusion, 64" Long, 1947-48	108-3031009-16	**$116.46**
Control Panel Connector Plate, 1947-48	108-3032022-10	**$17.96**
Door Trim Panel, 1946, Left	108-3091004-2	**$135.46**
Right	108-3091004-3	**$135.46**
Inspection Cabin Headlining Zipper, 1946-48		
Aft	108-3091028	**$16.38**
Forward	108-3091029	**$13.42**
Safety Belt Plate, 1947-48	108-3091032	**$92.82**
Plain End Safety Belt, 1946	108-3091037	**$104.70**
Cabin Ventilator Inner Tube, 1946	108-3091056	**$128.17**
Cabin Ventilator Valve Seat Assembly, 1946	108-3091059	**$132.08**
Rear, Side and Back Panel, 1946	108-3091072	**$752.75**
Control Column Boot Clamp, 1946	108-3091078	**$89.34**
Control Column Boot Assembly, 1946	108-3091079	**$40.65**
Ventilator Cap, 1946-47	108-3091095	**$118.04**
Cabin Ventilator Valve Seat, 1947	108-3091096-0	**$197.54**
Rear Cabin Ventilator Valve Seat, 1948	108-3091096-1	**$65.00**
Cabin Ventilator Inner Tube, 1947	108-3091097-6	**$82.33**
Rear Cabin Ventilator Inner Tube, 1948	108-3091097-8	**$140.92**
Cabin Forward Side Panel, Right, 1947	108-3092092-1	**$164.35**
Cabin Forward Side Panel, Right, 1947	108-3092092-3	**$146.45**
Door Frame Scuff Plate, 1946-48, Left	108-3092112-6	**$262.01**
Right	108-3092112-7	**$262.01**
Door Frame Trim Retainer, 1947-48, Left	108-3092113-6	**$145.37**
Right, 1947-48	108-3092113-7	**$145.37**
Control Column Cover, 1947-48	108-3092118	**$124.56**
Forward Panel Retainer, 1947, Left	108-3092119-0	**$48.22**
Right	108-3092119-1	**$48.22**
Forward Panel Retainer, 1948, Left	108-3092119-2	**$48.55**
Right	108-3092119-3	**$51.00**
Rear Ventilator Cap, 1948	108-3092141-6	**$159.08**
Rear Cabin Vent Scoop, 1948, Left	108-3092145-6	**$126.67**
Right	108-3092145-7	**$126.67**
Upper Rear Side Panel, 1947, Left	108-8992004	**$122.51**
Right	108-8992004-1	**$122.51**
Rear Panel Support Channel, 1947-48	108-8992008	**$68.67**
Cargo Retainer Assembly, 1947-48	108-8992019	**$146.45**
Rear Seat Bracket Cover, 1947	108-8992025-6	**$70.23**
Rear Seat Bracket Cover, 1948	108-8992025-8	**$70.23**

Air Temperature Gauge

This thermometer has both Centigrade and Fahrenheit dial graduations. It can be installed through Plexiglas® windshield or cowling on most aircraft or through the center strip in the windshield.

2716A **$82.28**

Knobs and Handles

471-060

108-3412029

A1021-A-15

Black Control Knob	471-060	**$3.70**
Red Control Knob	108-6221502-20	**$7.70**
Cabin Assist Handle, 1947-48	108-3412029	**$57.96**
Cabin Assist Handle Plate, 1947-48	108-3092115	**$10.42**
Cabin Door Inside Handle, Left or Right, 1947-48	A1021-A-14	**$105.93**
Cabin Door Outside Handle, 1947, Left	A1021-A-15L	**$133.07**
Right	A1021-A-15R	**$133.07**
Cabin Door Outside Handle, Left, 1946	A1021-A-9L	**$133.07**

Cabin Floor

Forward Cabin Floor Carpet, 1946	108-3091044	**$107.56**
Aft Cabin Floor Carpet, 1946	108-3091045	**$134.44**
Aft Cabin Floorboard, 1946	108-3091052-2	**$146.45**
Rear Aft Floorboard Assembly, 1948	108-8992007-0	**$310.76**
Rear Aft Floorboard Assembly, 1947	108-8992007-2	**$905.58**
Forward Rear Floor Assembly, 1948	108-8992007-30	**$149.13**
Aft Cabin Floor Carpet, 1947	108-3092045	**$148.66**
Forward Cabin Floorboard, 1946-48, Left	108-3092052-28	**$400.81**
Right	108-3092052-29	**$400.81**
Intermediate Cabin Floorboard, Right, 1947-48	108-3092052-3	**$67.56**
Intermediate Cabin Floorboard, Right, 1948	108-3092052-30	**$55.03**
Intermediate Cabin Floorboard, Left, 1947	108-3092052-4	**$85.45**

Glove Box

Glove Box Door Assembly, 1946	108-3031018	**$102.77**
Glove Box Door Assembly, 1947-48	108-3032018	**$172.57**
Glove Box Door Catch Spring, 1947-48	108-3032038	**$36.39**
Glove Box, 1947-48	108-3092053	**$126.90**
Glove Box Knob, Black	471-060	**$3.70**

Baggage Compartment

Baggage Compartment Curtain, 1947-48	108-3002261-0	**$246.00**
Baggage Door Hinge, 1947-48	108-3002264	**$39.68**
Baggage Compartment Floor Assembly, 1947	108-3002266-2	**$561.58**
Baggage Compartment Front Wall, 1947	108-3002267-2	**$456.41**
Baggage Door Hold Back Spring, 1947-48	108-3002268	**$49.49**
Baggage Door Hold Back Spring Spacer, 1947-48	108-3002270	**$4.99**
Baggage Door Frame Fabric Retainer, 1947-48	108-3002273	**$100.38**
Upper Angle Support, 1947-48	108-3002274	**$34.11**
Lower Angle Support, 1947-48	108-3002275	**$44.59**
Baggage Tie Down Strap, Buckle End, 1948	108-3002281-6	**$18.56**
Baggage Tie Down Strap, Plain End, 1948	108-3002281-8	**$18.55**

Oleo Strut Housing Cover

- Applicability: Stinson 108 Series

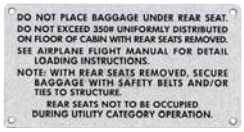
108-3091011 ..... **$503.49**

Seats

Rear Seat Tube, 1946-48 ..... 108-3091001-8 ..... **$143.25**
Bottom Cushion, Left, 1946..... 108-3091017-32 ..... **$309.38**
Bottom Cushion, Right, 1946 ..... 108-3091017-33 ..... **$309.38**
Front Seat Back, Left, 1946 ..... 108-3091017-34 ..... **$373.78**
Front Seat Back, Right, 1946..... 108-3091017-35 ..... **$372.03**
Rear Seat Bottom Cushion, 1946.....108-3091023 ..... **$258.25**
Rear Seat Back Cushion, 1946 .....108-3091025 ..... **$440.62**
Rear Seat Bottom Cushion, 1948.....108-3092135 ..... **$259.83**
Rear Front Seat Support Assembly, 1946-48.....108-3092007 ..... **$350.57**
Front Seat Bottom Cushion, Right, 1947 ..... 108-3092017-33 ..... **$322.74**
Rear Seat Back Cushion, Right, 1948..... 108-3092143-3 ..... **$354.20**

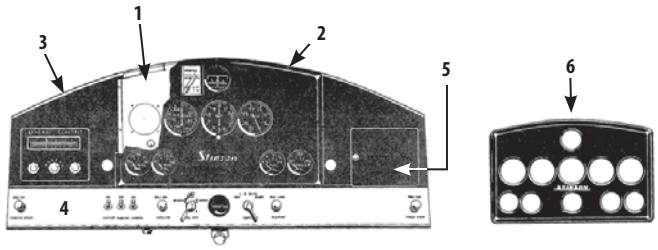
Placards

- Descriptions, images, and sizes of placards can be found on www.univair.com



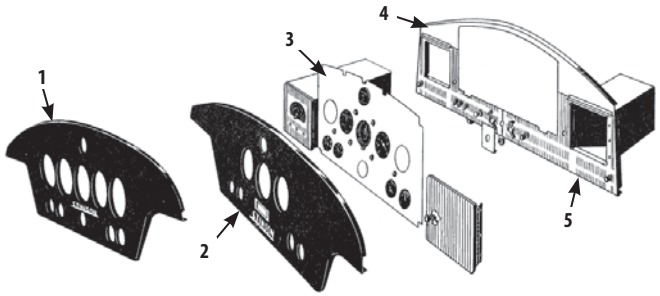
Operating Limitations Placard, 1946..... 108-8741001-6 ..... **$27.99**
Baggage Placard, 1946 ..... 108-8741001-8 ..... **$22.72**
Tab Control Placard, 1946-47 .....108-8742000 ..... **$41.01**
Baggage Placard, 1947 ..... 108-8742001-12 ..... **$24.78**
Station Wagon Baggage Placard, 1947 ..... 108-8742001-16 ..... **$72.82**
Operating Limitations Placard, 1948..... 108-8742001-20 ..... **$28.59**
Baggage Placard, 1948 ..... 108-8742001-22 ..... **$13.28**
Station Wagon Baggage Placard, 1948 ..... 108-8742001-24 ..... **$29.93**
Cabin Baggage Placard, 1947-48 ..... 108-8742001-26 ..... **$30.06**
Operating Limitations Placard, 1947..... 108-8742001-6 ..... **$40.74**
Rudder and Elevator Trim Placard, 1948.....108-8742200 ..... **$82.07**

1946 Standard and Basic Blind Flight Instrument Panel



1) Flight Panel Assembly.....108-3031021 ..... **$266.72**
2) Indirect Instrument Panel Assembly .....108-3031002 ..... **$61.88**
3) Main Panel Assembly.....108-3031003 ..... **$467.10**
4) Control Panel Assembly .....108-3031004 ..... **$84.87**
5) Glove Box Door Assembly .....108-3031018 ..... **$102.77**
6) Basic Blind Flight Indirect Panel Assembly.....108-8931005 ..... **$341.51**

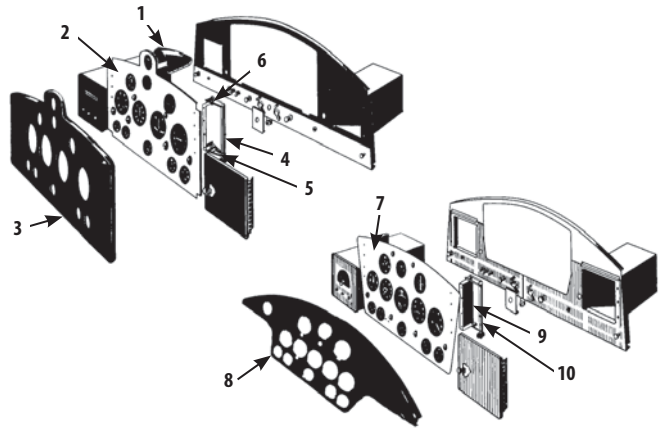
1947-48 Standard and Basic Blind Flight Instrument Panel



1) Basic Blind Flight Indirect Panel Assembly
1947 ..... 108-8932005-0* **$164.35**
1948 ..... 108-8932005-1 ..... **$164.35**
2) Indirect Instrument Panel Assembly
1947 ..... 108-3032002-0* **$181.98**
1948 ..... 108-3032002-1* **$181.98**
3) Flight Panel Assembly, 1947-48..... 108-3032021-8 ..... **$388.97**
4) Main Panel Assembly, 1947-48.....108-3032003 ..... **$337.08**
5) Control Panel Assembly, Right Half, 1947-48..... 108-3032022-8 ..... **$365.68**

* These parts are original Stinson inventory, and sold in an "AS IS" condition

1946-1948 Advanced Blind Flight Instrument Panel

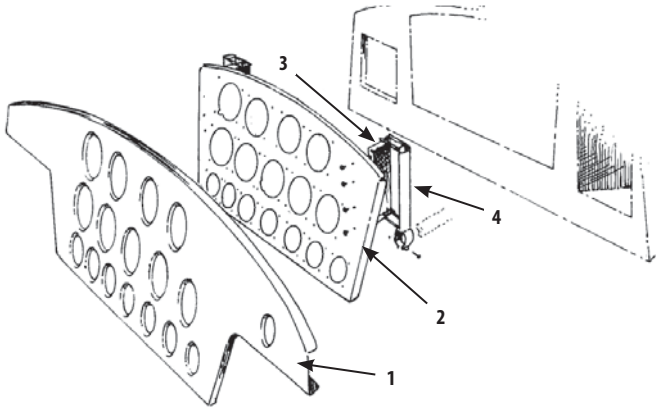


1) Direction Indicator Cover, 1946 .....108-8931006 ..... **$109.61**
2) Direct Flight Panel Assembly, 1946..... 108-8931003-2 ..... **$118.36**
3) Indirect Panel Assembly, 1946..... 108-8931003-4* **$256.40**
4) Support Assembly, 1946..... 108-8931003-10 ..... **$86.05**
5) Shock Mounts, 1946 ..... 100PL-4 ..... **$14.50**
6) Bracket Assembly, 1946 (8931003-14) ..... 108-8932019-0 ..... **$92.88**
7) Direct Panel Assembly, 1947-1948 ..... 108-8932021-1 ..... **$313.52**
8) Indirect Panel Assembly, 1947-1948..... 108-8932022-0/-1 ..... **N/A**
9) Instrument Panel Bracket, 1947-48 ..... 108-8932019-0 ..... **$92.88**
10) Instrument Panel Bracket, 1947-48 .....108-8932020 ..... **$253.11**

* These parts are original Stinson inventory, and sold in an "AS IS" condition

Full Gyro Instrument Panels • 1946-48

This shock-mounted floating panel is simple to install. Both kits consist of the following parts: one instrument mounting panel, one false panel, two supports, and two brackets.

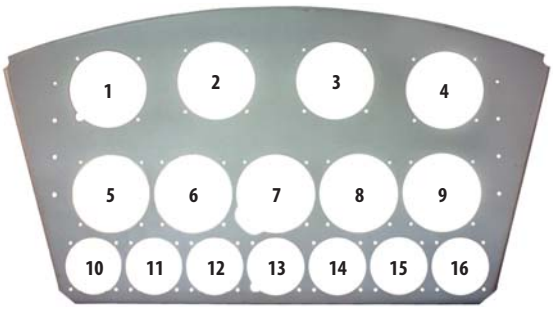


This panel uses the old style 4⅞" artificial horizon

Full Gyro Instrument Panel Kit	108-8932007K	**$1,667.07**
1) Indirect Panel Assembly	108-8932006-0	**$622.50**
2) Direct Panel Assembly	108-8932007-0	**$354.80**
3) Instrument Panel Bracket	108-8932019-0	**$92.88**
4) Instrument Panel Support	108-8932020	**$253.11**

This panel uses the smaller 3⅛" artificial horizon

Full Gyro Instrument Panel Kit	108-8932007-1K	**$1,667.07**
1) Indirect Panel Assembly	108-8932006-1	**$474.62**
2) Direct Panel Assembly	108-8932007-1	**$295.94**
3) Instrument Panel Bracket	108-8932019-0	**$92.88**
4) Instrument Panel Support	108-8932020	**$253.11**



The panel above shows the locations of the following instruments:

Top Row
1) VOR Indicator, 2) Artificial Horizon, 3) Directional Gyro, 4) ADF Compass

Middle Row • All 3⅛" Instruments
5) Air Speed Indicator, 6) Turn and Bank, 7) Sensitive Altimeter, 8) Rate of Climb, 9) Tachometer

Bottom Row • All 2¼" Instruments
10) Oil Pressure Gauge, 11) Oil Temperature Gauge, 12) Suction Gauge, 13) Clock, 14) Cylinder Head Temperature Gauge, 15) Fuel Quantity Gauge, 16) Ammeter

See our website for available instruments and gauges.

Control System

Description	Part #	Price
Elevator Tab Control Casing Assembly, 1946-48	108-2241602	**$202.62**
Elevator Tab Mechanism Housing, 1946-48	108-2241603	**$126.09**
Elevator Tab Control Shaft, 1946-48	108-2241606	**$134.40**
Elevator Trim Tab Control Shaft, 1946-48	108-2241608	**$540.41**
Elevator Trim Tab Mechanism Rod, 1946-48	108-2241610	**$237.95**
Vertical Stabilizer, 1946-47	108-2311000	**$4,653.60**
Rudder Steering Arm, 1946-48	108-2583	**$181.53**
Rudder Assembly, Includes Tab, 1948	108-2602100	**$4,725.18**
Rudder Assembly, 1946-47	108-2611000	**$3,897.90**
Tube Assembly, Left, 1948	108-3041000-30	**$72.04**
Right	108-3041000-32	**$72.04**
Control Wheel Hub Casting, 1946	108-3041121	**$13.30**
Control Column Shaft Pulley, Left, 1946-48	108-3041204-0	**$150.32**
Right	108-3041204-2	**$150.32**
Fairlead Pulley, 1946-48	108-3041209	**$23.96**
Flap Handle Lever Adjustment Rack, 1946-48	108-3041501	**$56.47**
Flap Control Handle Latch, 1946-48	108-3041502	**$13.16**
Flap Control Handle Release, 1946-48	108-3041503	**$305.91**
Flap Pushrod Assembly, 1946-48	108-3041504	**$322.61**
Flap Control Handle Tube, 1946-48	108-3041506	**$407.52**
Elevator Tab Control Shaft Bushing, 1946-47	108-3041603	**$8.63**
Control Wheel Shaft Assembly, 1947-48	108-3042153	**$179.45**
Trim Control Pulley, 1947-48	108-3042424-6	**$157.54**
Trim Control Pulley, 1947-48	108-3042424-8	**$113.86**
Rudder Bungee Kit, 1946-47	108-3042450	**$3,203.38**
Elevator/Rudder Trim Control Sleeve, 1947-48	108-3042457-6	**$153.25**
Elevator/Rudder Trim Control Shaft, 1947-48	108-3042458-6	**$56.94**
Elevator/Rudder Tab Control Support, 1948	108-3042459-2	**$375.47**
Rudder Trim Spring, 1947	108-3042462-6	**$46.01**
Trim Control Pulley, 1947	108-3042463-6	**$95.19**
Rudder Brake Spring, 1948	108-3042627-6	**$18.91**
Rudder Bar Assembly, Right, 1948	108-3942408	**$2,130.10**
Dual Brake Link Assembly, 1948	108-3942410-2	**$108.06**
Escutcheon, 1946-48	108-8041000-1	**$32.33**
Flap Return Spring, 1946-48	108-8441000	**$85.18**
Flap Handle Release Spring, 1946-48	108-8441001	**$7.46**
Control Shaft Support Bushing, 1946-47	108-8611000	**$27.30**
Bellcrank Bushing, 1947-48	108-8612003	**$17.93**
Universal Joint, 1946-48	12PF-744	**$514.80**

Throttle and Control Cables

Friction Throttle, 1946-1948	108-6222501-0	**$413.05**
Vernier Throttle	108-6222501-1	**$231.52**
Carburetor Heat Control, 44" Length, Locking, Black Knob (5101306, A700-BL-0440)	A700-10-0440	**$75.43**
Parking Brake Control, 44" Length	108-6221502	**$139.49**
Carburetor Mixture Control, 42" Length	108-6221502-1	**$225.67**
Cabin Heat Control, 1946, 62" Length	108-6221502-2	**$129.66**
Cabin Heat Control, 1947-1948, 58" Length	108-6221502-3	**$116.46**
Parking Brake Control, 28" Length	108-6221502-4	**$152.73**

Control Cables

- All cables are priced and sold individually

Aileron

Aileron Idler Cable, 2 required
- Galvanized ..... 108-1141206 ..... **$157.40**
- Stainless ..... 108-1141206S **$209.70**

Aileron Control Cable, 2 required
- Galvanized ..... 108-1141208 ..... **$126.79**
- Stainless ..... 108-1141208S **$189.69**

Aileron Idle Cable (in frame), 1 required
- Galvanized ..... 108-3041118 ..... **$85.38**
- Stainless ..... 108-3041118S **$113.82**

Control Column Cable, Left Half, 1 required
- Galvanized ..... 108-3041123-6 ..... **$202.57**
- Stainless ..... 108-3041123-6S **$206.14**

Control Column Cable, Right Half, 1 required
- Galvanized ..... 108-3041123-7 ..... **$202.57**
- Stainless ..... 108-3041123-7S **$206.14**

Elevator

"Up" Elevator Cable, 1 required
- Galvanized ..... 108-3041305-10 ..... **$156.91**
- Stainless ..... 108-3041305-10S **$169.93**

"Down" Elevator Cable, 1 required
- Galvanized ..... 108-3041305-11 ..... **$163.91**
- Stainless ..... 108-3041305-11S **$169.93**

Elevator Trim

Elevator Tab, Cabin to Control Cable, S/N 1 to 2249, 1 required
- Galvanized ..... 108-3041615-0 ..... **$109.85**
- Stainless ..... 108-3041615-0S **$152.38**

Elevator Tab, Cabin to Control Cable, S/N 2250 and up, 1 required
- Galvanized ..... 108-3041615-1 ..... **$129.66**
- Stainless ..... 108-3041615-1S **$155.43**

Flap

Flap Control Cable, 2 required
- Galvanized ..... 108-1141506 ..... **$131.10**
- Stainless ..... 108-1141506S **$147.64**

Upper Flap Control Cable (in frame), 1 required
- Galvanized ..... 108-3041511 ..... **$135.64**
- Stainless ..... 108-3041511S **$164.64**

Rudder

Rudder Cable, 1946-1947, 2 required
- Galvanized ..... 108-3041003-0 ..... **$153.75**
- Stainless ..... 108-3041003-0S **$207.49**

Rudder Cable, 1948, 2 required
- Galvanized ..... 108-3041003-2 ..... **$212.29**
- Stainless ..... 108-3041003-2S **$192.59**

Rudder Trim

Rudder Trim Cable, S/N 2250 to 3499*, 2 required
- Galvanized ..... 108-3042620 ..... **$114.88**
- Stainless ..... 108-3042620S **$126.47**

Rudder Trim Cable, S/N 2250 to 3499*, 1 required
- Galvanized ..... 108-3042622 ..... **$151.70**

Rudder Trim Cable, 108-3, S/N 3500 and up, 1 required
- Galvanized ..... 108-3042426 ..... **$188.23**
- Stainless ..... 108-3042426S **$195.51**

* Used with rudder bungee system

Stinson Control Surface Bearing

Control Surface Bearing ..... CS3906 ..... **$38.74**
Felt Seal ..... 108-8001001 ..... **$2.85**

Tachometer Cable

- 36" length

Recording ..... TACH-36 ..... **$169.79**
Non-Recording ..... TACH-36NR **$169.79**

Rudder Control

Rudder Pedal
- Copilot, 1947 ..... 108-3042405 ..... **$42.13**
- Pilot, 1947 ..... 108-8542013-6 ..... **$184.76**
- Pilot and Copilot, 1948 ..... 108-8542013-6 ..... **$184.76**
- Copilot, 1946 ..... 108-3041405 ..... **$29.28**

Rudder Control Drive Shaft, 1948 ..... 108-3042428 ..... **$97.09**
Rudder Tab Mechanism Rod Assembly, 1948 ..... 108-3042429 ..... **$197.54**
Copilot Rudder Pedal Return Spring, 1948 ..... 108-3042431-6 ..... **$6.45**
Rudder Bar Assembly, Left, 1946 ..... 108-3041406 ..... **$236.08**
Rudder Bar Assembly, Right, 1946 ..... 108-3041408 ..... **$236.08**
Rudder Pedal Torque Tube Bearing, 1946-48 ..... 108-3041411 ..... **$249.22**
Rudder Tab Control Pulley, 1948 ..... 108-3041612 ..... **$47.15**
Rudder Bar Return Spring, 1946-48 ..... 108-3041002 ..... **$31.40**
Rudder/Elevator Tab Control Spindle, 1947 ..... 108-3042452-6 ..... **$160.59**
Rudder Trim Cable Clamp Fitting, 1947 ..... 108-3042619-6 ..... **$16.26**
Rudder Trim Control Shaft Assembly, 1948 ..... 108-3042430 ..... **$628.94**
Rudder Trim Cable Clamp, 1947 ..... 108-3042451-6 ..... **$37.85**
Rudder Trim Frame Assembly, 1947 ..... 108-3042453 ..... **$322.22**
Rudder Trim Control Knob, 1947-48 ..... 108-3042456-8 ..... **$73.19**
Rudder Trim Control Arm Assembly, 1947
- Left ..... 108-3042461-0 ..... **$271.82**
- Right ..... 108-3042461-1 ..... **$271.82**

Dual Brake Kit

Available for Stinson 108 series. Provides brake actuation from both front seats (required item for student instruction). Simple installation; no welding. Complete kit with drawing. See our website for complete list of all parts and hardware included in this kit.

- Kit Weight: 11.10 lbs

Dual Brake Kit ..... 108-3942001 ..... **$4,357.84**

Elevator Control

Elevator Bellcrank, 1946-48 ..... 108-3041303 ..... **$161.56**
Elevator Push-Pull Tube Assembly, 1946-48 ..... 108-3041304 ..... **$511.12**
Elevator Control Stop, 1946-48 ..... 108-3041306 ..... **$228.94**
Elevator Tab Front Control Pulley, 1946-1947 ..... 108-3041601 ..... **$47.15**
Elevator Tab Control Crank Arm Assembly
1946-47, S/N 1 to 2249 ..... 108-3042610 ..... **$51.25**
1947-48, S/N 2250 and up ..... 108-3042618-2 ..... **$541.29**
Elevator Control Arm Stop, 1946-48 ..... 108-3041602-8 ..... **$19.07**
Elevator Control Shaft, 1946-47, S/N 1 to 2249 ..... 108-3041604 ..... **$44.55**
Elevator Tab Control Shaft,1946-48 ..... 108-3041606 ..... **$84.28**
Elevator Tab and Rudder Trim Control
Support Assembly, 1947, S/N 2250 and up ..... 108-3042459-0 ..... **$285.76**
Pulley Assembly, 1947-48, S/N 2250 and up ..... 108-3042460-2 ..... **$1,084.04**
Elevator Tab Control
Front Support Assembly, 1946-47, S/N 1 to 2249 ..... 108-3041608 ..... **$46.60**
Front Pulley Assembly, 1946-47, S/N 1 to 2249 ..... 108-3041609 ..... **$149.13**
Elevator Tab Control Rear Bushing, 1946-48 ..... 108-3041617 ..... **$28.65**

Decals • Stencils

For 108, S/N 119 to 742
"Voyager 150", Left Side, Mask ..... 108-3091048-6 ..... **$79.33**
"Voyager 150", Right Side, Mask ..... 108-3091048-7 ..... **$79.33**

For 108-2 and 108-3, S/N 2250 and up
"Stinson Flying Station Wagon", Stencil ..... 108-8992034 ..... **$65.13**

For 108-1, S/N 743 to 2249
"Voyager 150", Left Side, Mask ..... 108-3092048-6 ..... **$79.33**
"Voyager 150", Right Side, Mask ..... 108-3092048-7 ..... **$79.33**

For 108-2 and 108-3, S/N 2250 and up
"Stinson Voyager" Stencil ..... 108-3092126 ..... **$32.00**

"Bow and Arrow" Tail Fin Stencils
Left Stencil ..... 108-3091039-6 ..... **$49.00**
Right Stencil ..... 108-3091039-7 ..... **$49.00**

Electrical System

Description	Part #	Price
Landing Light Lens Retainer, 1946-48	108-1111086	**$30.71**
Landing Light Lens Retainer, Left, 1946-48	108-1111087	**$25.95**
Landing Light Lens, 1946-48	108-1111091	**$85.42**
Antenna Mast Assembly, 1946-47	108-2311014	**$13.42**
Rudder Light Bracket, 1946-48	108-2661001	**$84.61**
Radio Support Assembly, 1946	108-3031501	**$11.95**
Radio Loudspeaker Baffle Board, 1946	108-3031503	**$77.44**
Radio Loudspeaker Grille, 1946	108-3031504	**$13.42**
Loop Antenna Spring, 1946-48	108-3031506-0	**$2.96**
Radio Support Assembly, 1947-48	108-3032501	**$142.77**
Loop Antenna Assembly, 1947	108-3032507	**$35.81**
Mast Antenna Bracket, 1947	108-3032521	**$15.53**
Mast Antenna Bracket, 1948	108-3032525	**$4.39**
Battery Box Cover, 1946-47	108-3061001	**$291.23**
Battery Box Assembly, 1946-47	108-3061002	**$569.22**
Battery Tie Down Rod, 1946-47	108-3061004	**$38.89**
Battery Ground Cable, 1946-47	108-3061008-10	**$13.66**
Battery Ground Cable, 1948	108-3062012	**$71.43**

Bendix Ignition Switch

- With "Start" position
- For all light planes

Switch ..... 10-357200-1 ..... **$668.77**
Placard for switch ..... 10-126676 ..... **$5.10**

Single Pole Solenoid Battery Relay

- Use as master solenoid on Stinson 108 series
- Normally open
- Supersedes part number 70-918

Battery Relay ..... 70-111226-5 ..... **$35.80**

Concorde Batteries

- Applicability: Stinson 108, 108-1, 108-2, 108-3, 108-5
- Valve regulated sealed lead acid batteries

12 Volt, 29 Amp Hour ..... RG-35A **$479.00**

Engine • Cowling • Exhaust

To insure the proper selection of parts, we suggest that you use your Stinson parts manual (SPM) with this catalog. Please include your aircraft model and serial number when ordering.

Description	Part #	Price
Magneto Noise Filter, 1946-48	A293	**$190.14**
Aeromatic Baffle Kit, 1946-48	4086	**$439.27**
Cowl Support Tube Clip, 1947-48	108-6022423	**$50.26**
Generator Blast Tube, 1946-48	108-6201000-28	**$35.98**
Engine Oil Drain Tube, 1947-48	108-6201011-6	**$101.82**
Oil Drain Valve Block 'U' Bolt, 1947-48	108-6201012	**$84.77**
Engine Oil Drain Valve Block, 1947-48	108-6201013	**$103.47**
Duct, 7", 1946-48	108-6202000-12	**$37.52**
Valve to Strainer Tube Assembly, 1946-47	108-6221100-52	**$92.28**
Side Cooling Baffle, 1946-48, Right	108-6221202	**$150.42**
Left	108-6221203	**$179.51**
Rear Cooling Baffle Assembly, 1946-48	108-6221204	**$705.68**
Front Cooling Baffle Assembly, Left, 1946	108-6221206-0	**$265.10**
Front Cooling Baffle Assembly, Left, 1947	108-6221206-1	**$213.81**
Magneto Cooling Tube, 1946-48, Left	108-6221213-16	**$45.73**
Right	108-6221213-17	**$45.73**
Front Cooling Baffle Assembly, Right, 1946-47	108-6221216	**$114.60**
Front Center Cooling Baffle, 1946-47	108-6221217	**$32.80**
Exhaust Tailpipe Support Clamp, 1946, Left	108-6221705-0	**$72.27**
Right	108-6221705-1	**$75.55**
Tailpipe Support Angle, 1946-48, Left	108-6221709-6	**$16.20**
Right	108-6221709-7	**$14.64**
Exhaust Tailpipe Support Strap, 1946-48	108-6221710	**$114.03**
Carburetor Air Box Assembly, 1946-47	108-6221807	**$750.17**
Flexible Hose Attaching Collar, 1946	108-6221812-6	**$19.43**
Cabin Heat Deflector Spring, 1946	108-6221814	**$21.18**
Air Induction Cuff Clamp, 1946-47	108-6221815	**$26.62**
Cabin Heat Deflector, 1946	108-6221816	**$13.42**
Carburetor Air Box Gasket, 1946-47	108-6221817	**$16.74**
Valve to Strainer Tube Assembly, 1947-48	108-6222100-52	**$285.48**
Tank to Valve Tube Assembly, 1947-48, Left	108-6222100-8	**$443.68**
Right	108-6222100-10	**$352.14**
Shroud Attach Channel, 1946-48	108-6221704	**$79.97**
Front Cooling Baffle, 1947-48	108-6222219-0	**$479.28**
Tailpipe Exhaust Clamp, 1947-48	108-6222715	**$102.20**
Carburetor Air Box Assembly, 1947-48	108-6222807	**$1,812.53**
Air Induction Cuff Clamp, 1947-48	108-6222815	**$37.08**
Carburetor Air Box Gasket, 1947-48	108-6222817	**$11.64**

Aluminum Nose Cowl

- Applicability: Stinson 108 through 108-3
- Grilles sold separately

Nose Cowl ..... 108-6021401-52 ..... **$1,931.00**
Left Grille ..... 108-8541008-7 ..... **$587.30**
Right Grille ..... 108-8541008-6 ..... **$477.89**

Carburetor Heat Shroud

- Applicability: 1946-48 Stinson 108 Series with Franklin engine

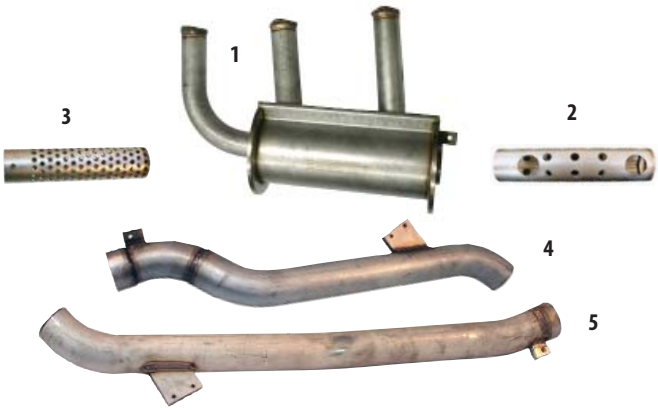
108-6221210-2 ..... **$539.79**

Cabin Heat Shroud

- Applicability: Stinson 108-1, -2 and -3
- Fits serial numbers 744 and up

108-6222209 ..... **$605.18**

Exhaust System



For Serial Numbers 1 to 3109

1) Muffler ..... 108-6221702 ..... **$1,389.98**
2) Perforated Tube ..... 108-6221708 ..... **$336.55**
4) Tailpipe, Left ..... 108-6221711-0 ..... **$501.74**
5) Tailpipe, Right ..... 108-6221711-1 ..... **$551.90**

For Serial Numbers 3110 and up

1) Muffler ..... 108-6222702 ..... **$1,382.14**
3) Perforated Tube ..... 108-6222708 ..... **$336.55**
4) Tailpipe, Left ..... 108-6222711-0 ..... **$458.85**
5) Tailpipe, Right ..... 108-6222711-1 ..... **$436.23**

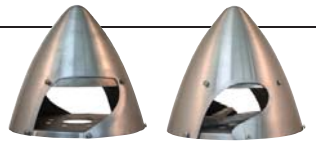
Bottom Cowl Assembly

- Does not include filter plate

108-6021401-70 ..... **$4,101.50**

Order By Phone: 1-888-433-5433
Order Online: www.univair.com

Spinner Assemblies



- Complete spinner assemblies for Stinsons with wood or metal propellers

Wood Propeller Spinner Assembly ..... 108-6921000-1 ..... **$1,002.35**
Metal Propeller Spinner Assembly ..... 108-6921000-2 ..... **$1,112.53**
Wood Propeller Spinner Dome ..... 108-6921000-6 ..... **$644.87**
Metal Propeller Spinner Dome ..... 108-6921000-30 ..... **$637.36**
Wood Propeller Front Plate ..... U17577 ..... **$139.82**
Propeller Bolt (sold individually) ..... U17662 ..... **$47.12**
Wood and Metal Propeller Front Plate ..... 108-6921000-20 ..... **$266.20**
Wood and Metal Propeller Rear Plate ..... 108-6921000-22 ..... **$183.15**

Note About Wooden Propeller Installation

Due to the different hub contour of the various propellers approved on the 108 series aircraft, the FAA approved blueprint calls out "trim front bulkhead to clear propeller." This may be done with standard sheet metal shears and then the edge sanded smooth to prevent cracks in the bulkhead.

Top Cowl Assembly

- Applicable to all 108 series Stinsons
- Includes right and left top cowls and center hinge assembly

Top Cowl Assembly ..... 108-6021401-26 ..... **$2,518.85**
Left Side Only ..... 108-6021401-26L **$1,533.93**
Right Side Only ..... 108-6021401-26R **$1,533.93**

Engine Mount

- Applicability: All Franklin 150, 165 and 180hp engines

Engine Mount .....108-6212000-1 ..... **$3,032.95**

Engine Cowl Lever Assembly

Cowl Fastener Assembly
108-6021401-22 ..... **$120.60**
Cowl Fastener Pin
99836 ..... **$11.00**
Cowl Fastener Receptacle ..... 130175-6P130 ..... **$6.46**
Receptacle Cup ..... 108-6021401-36 ..... **$36.19**

Air Induction Cuffs

For 108, 108-1, 108-2 150hp,
S/N 1 to 2249 ..... 108-6221801 ..... **$204.68**
For 108-2, 108-3 165hp,
S/N 2250 and up ..... 108-6222801 ..... **$204.68**

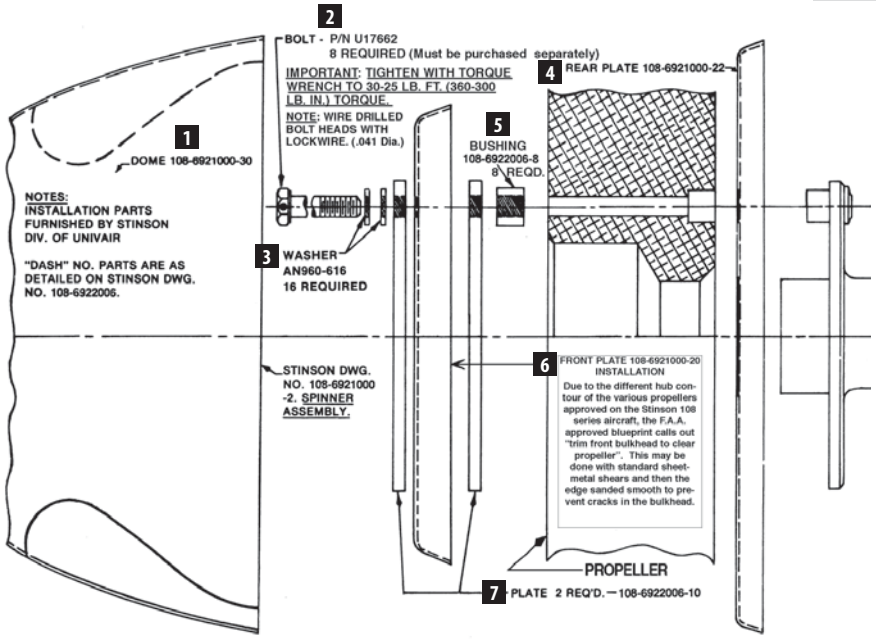
Carburetor Air Filter

- Applicability: Franklin 150-165hp engines
- Excludes the 6221805-8 bottom closeout strip

Carburetor Air Filter ..... 108-6221805 ..... **$152.88**
Closeout Strip ..... 108-6221805-8 ..... **$27.90**

Spinner Dome Installation Instructions

Used with McCauley 1A170 MET-L-PROP or Sensenich 74DR-0-XX on Stinson 108 series aircraft.



	Name	Part Number	Price
1	Dome	108-6921000-30	**$637.36**
2	Bolt	U17662	**$47.12**
3	Washer	NAS1149F0663P	**$0.11**
4	Rear Plate	108-6921000-22	**$183.15**
5	Bushing	108-6922006-8	**$16.31**
6	Front Plate	108-6921000-20	**$266.20**
7	Spacer Plate	108-6922006-10	**$99.71**

Frame

Description	Part #	Price
Frame Match Rib Assembly, Left, 1946-48	108-3001201-0	**$584.77**
Right	108-3001201-1	**$584.77**
Former and Rib Assembly, Left, 1946-48	108-3001201-400	**$203.89**
Right	108-3001201-401	**$203.89**
Frame Shroud Panel, 1946-48	108-3001302	**$316.04**
Cooling Tunnel Side Support, Left, 1946-48	108-3001306-0	**$118.36**
Right	108-3001306-1	**$118.36**
Firewall Panel, Stations 18.75 to 31.75, 1946-48	108-3001310-2	**$231.59**
Landing Gear Opening Retainer, Left, 1946-48	108-3001434-6	**$96.68**
Right	108-3001434-7	**$96.68**
Frame Lower Longeron Retainer, Left, 1946-48	108-3001435-6	**$135.42**
Right	108-3001435-7	**$135.42**
Fuselage Former, Station 30.50 Fairing, 1946	108-3001437-0	**$134.30**
Fuselage Former, Station 30.50 Fairing, 1947	108-3001437-1	**$120.47**
Horizontal Stabilizer Fairing Plate, Left, 1946-47	108-3001445-0	**$57.66**
Right	108-3001445-1	**$57.66**
Fuselage Firewall, 1947	108-3002002-6	**$1,020.40**
Fuselage Former, Station 30.50 Fairing, 1948	108-3002446-6	**$51.89**
Frame Rear Compression Tube, 1946-47	108-3311003	**$121.02**
Landing Gear Front Fitting, Left, 1946-48	108-3311007-0	**$534.88**
Right	108-3311007-1	**$534.88**
Landing Gear Rear Fitting, Left, 1946-48	108-3311016-0	**$594.63**
Right	108-3311016-1	**$594.63**
Fuselage Rear Compression Tube,1948	108-3312003	**$235.46**
Fuselage Assembly, 1946-47	108-3411000-3	**$29,187.05**
Trim Control Tube, 1946-47	108-3411000-74	**$33.62**
Cabin Step, Left, 1946-48	108-3411047-0	**$363.36**
Right	108-3411047-1	**$363.36**
Trim Control Bracket, 1946-47	108-3411060	**$44.48**
Cabin Floor Support, 1946-48	108-8191000	**$50.32**

Cabin Doors and Windows

Door Latch Strike Plate, 1946-48	108-3001204-14	**$20.14**
Upper Cabin Door Hinge, 1946-48	108-3001210	**$147.88**
Front Window Strip, Left, 1946	108-3001211-114	**$82.76**
Right	108-3001211-115	**$84.82**
Aft Window Strip, Left, 1946	108-3001211-116	**$84.82**
Right	108-3001211-117	**$110.01**
Cabin Door Assembly, Left, 1946	108-3001211-2	**$1,420.23**
Right	108-3001211-3	**$1,420.23**
Cabin Door Assembly, Left, 1947	108-3001211-4	**$1,420.23**
Right	108-3001211-5	**$1,420.23**
Cabin Door Window Channel, 1946-47	108-3001211-60	**$38.77**
Windshield Top Wood Strip, 1946-48	108-3001213	**$263.75**
Cabin Door Window Lock Knob, 1946-47	108-3001214	**$5.03**
Windshield Center Post, 1946-48	108-3001218	**$234.33**
Windshield Center Post Retainer, 1946-48	108-3001220	**$27.90**
Windshield Upper Retainer, 1946-48	108-3001221	**$27.90**
Windshield Side Retainer, Left, 1946-48	108-3001222-6	**$50.72**
Right	108-3001222-7	**$50.72**
Cabin Window Retainer, Left, 1946-47	108-3001223-6	**$58.93**
Right	108-3001223-7	**$74.38**
Cabin Window Vertical Retainer, Left, 1946-47	108-3001224-6	**$12.66**
Right	108-3001224-7	**$12.66**
Cabin Door, Left, 1947	108-3002211-0	**$1,420.21**
Right	108-3002211-1	**$1,420.21**
Cabin Door, Left, 1948	108-3002211-2	**$1,420.21**
Right	108-3002211-3	**$1,420.21**
Station Wagon Cabin Door, Left, 1948	108-3002211-4	**$785.36**
Right	108-3002211-5	**$785.36**
Front Window Strip, 1946-48, Left or Right	108-3002211-18	**$160.40**
Aft Window Strip, 1946-48, Left or Right	108-3002211-20	**$57.06**
Cabin Door Window Striker, 1947	108-3002257	**$9.46**
Cabin Door Window Striker Plate, 1948	108-3002277-6	**$16.62**
Cabin Window Latch Spring, 1948	108-3002278-6	**$14.64**
Cabin Door Window Lock Knob, 1948	108-3002279-6	**$49.01**
Cabin Door Window Lock Knob, 1948	108-3002279-8	**$49.01**
Cabin Door Window Trim Plate, 1948	108-3002280-6	**$9.66**
Cabin Door Window Channels		
24.25", 1946-47	108-9000000-6	**$57.75**
14.5", 1946-47	108-9000000-7	**$36.54**
21.75", 1947-48	108-9000000-8	**$46.48**
11.5", 1947-48	108-9000000-9	**$37.76**

Stinson Rear "D" Window Frame

- Applicability: Stinson 108-3

Left	108-3002240-2	**$744.04**
Right	108-3002240-3	**$744.04**

Fuselage Bows

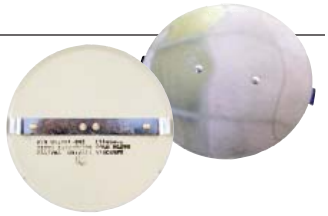
Fuselage Bow, Station 202.10, 1946-48	108-3001422	**$68.75**
Fuselage Bow, Station 177.0, 1946-48	108-3001423	**$86.67**
Fuselage Bow, Station 152.00, 1946-48	108-3001424	**$217.06**
Fuselage Bow, Station 126.00, 1946-48	108-3001425	**$183.67**
Fuselage Bow, Station 100.00, 1946-48	108-3001426	**$209.24**
Fuselage Bow, Station 61.60, 1946-48	108-3001427	**$142.18**
Fuselage Bow, Station 164.00, 1946-48	108-3001428	**$109.03**
Fuselage Bow, Station 140.00, 1946-48	108-3001429-0	**$109.29**
Fuselage Bow, Station 140.00, 1948	108-3001429-2	**$112.01**
Fuselage Bow, Station 115.50, 1946-48	108-3001430	**$225.70**
Fuselage Bow, Station 90.50, 1946-48	108-3001431	**$217.35**
Fuselage Bow, Station 18.75, 1946-48	108-3001433	**$116.11**
Fuselage Bow, Station 74.25, 1946-48	108-3001436	**$155.18**
Fuselage Bow, Station 40.50, 1946-48	108-3001438	**$75.59**
Fuselage Bow, Station 31.75, 1946-48	108-3001442	**$195.03**

Frame to Landing Gear Fillets

Left	108-3001003-12	**$659.35**
Right	108-3001003-13	**$659.35**

Shop Online: www.univair.com

Round Inspection Plates



- Material: Aluminum
- Outside diameter: 4.75"
- Domed plate
- U12761-002 has additional rivets on the strap to help hold it in place

Original Piper Style Plate, With Additional Rivets ..... U12761-002 ..... **$51.66**
Generic Round Inspection Plate ..... 483-10 ..... **$2.58**

Stringer Blank

- Sold in 8 foot lengths only
- Oversize fee applies when shipping this item

8 Foot Blank..... 108-3001432....**$59.10**

Fuel System Selector Valves

- Replaces original style valves
- Applications: left, right (not both), or off
- Not approved for higher horsepower engines
- See our website for complete list of all parts included in each kit

For 150hp aircraft with ⅜" fuel lines (44725)..... 108-9010076-38 ..... **$608.29**
For 165hp aircraft with ½" fuel lines (44745) ..... 108-9010076-12 ..... **$608.29**

Fuel Gauge

- Direct replacement for original gauge

Fuel Gauge.....3090-033 ....**$261.75**

Fuel System

Description	Part #	Price
Fuel Strainer Gasket, 1946-48	2212A	$5.46
Fuel Tank Cap, 1946-47	108-1121111	$207.68
Fuel Cap Gasket, 1946-48	108-1121112	$2.55
Fuel Tank Outlet Strainer, 1946-48	108-1121118	$55.53
Fuel Tank Strap Head, 1946-48	108-1121120	$58.47
Fuel Sender Gasket, 1946-48	108-1121126	$3.98
Fuel Tank Outlet Strainer, 1947-48	108-1122118	$217.85
Fuel Tank Cap, 1948	108-1122131	$127.10
Fuel Tank Vent Gasket, 1948	108-1122134	$11.31
Fuel Valve Shaft, 1946	108-3021103-0	$44.93
Fuel Valve Shaft, 1947	108-3021103-1	$47.15
Gas Line Trim Cover, 1947-48	108-3092111	$185.68
Tank to Valve Tube, ⅜", Left, 1946-47	108-6221100-8	$112.01
Right	108-6221100-10	$112.01
Primer to Tee Line, 1946	108-6221100-14	$70.88
Tee to Spray Tube, 1946-47	108-6221100-16	$87.16
Strainer to Primer Tube, 1946	108-6221100-44	$87.72
Valve to Strainer Tube, 1946-47	108-6221100-52	$92.28
Fuel System Hose, 1946-47	108-6221101	$293.25
Fuel Valve Shaft, 1947	108-6221106	$168.51
Tee to Spray Tube, 1947-48	108-6222100-28	$43.45
Primer Tube, 1947-48	108-6222100-32	$76.90
Tank to Valve Tube, Left, 1947-48	108-6222100-8	$443.68
Right	108-6222100-10	$352.14
Fuel Valve Shaft, 1947-48	108-6222106	$232.24
Fuel Tank Strap Bolt, 1946-48	108-8311000	$44.61
Strainer to Carburetor Hose, 1947-48	U-108-6222101-1A	$334.57

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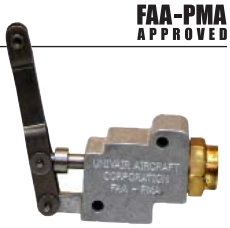
Landing Gear • Chassis

Description	Part #	Price
Landing Gear Fillet Assembly, Left, 1946-48	108-3001003-12	$659.35
Right	108-3001003-13	$659.35
Oleo Housing Cap, 1946-48	108-3091005	$39.29
Landing Gear Brake Shield, 1946	108-5101007	$10.42
Landing Gear Brake Shield, 1946-48	108-5101008	$16.58
Shock Strut Spring, 1946-48	108-5181001	$192.02
Shock Strut Packing Retainer, 1946-48	108-5181007	$242.58
Shock Strut Pin, 1946-48	108-5181008	$19.62
Shock Strut Plunger, 1947-48	108-5182006	$1,085.66
Piston Ring Set, 1947-48	108-5182006-12-3	$263.64

Parking Brake Valve Assembly

FAA-PMA APPROVED



- Applicability: Stinson 108 Series
- Also for Piper PA-18 through PA-22

Parking Brake Valve Assemblies
U4500A-1 .....**$522.50**
U4500A-2 .....**$522.50**

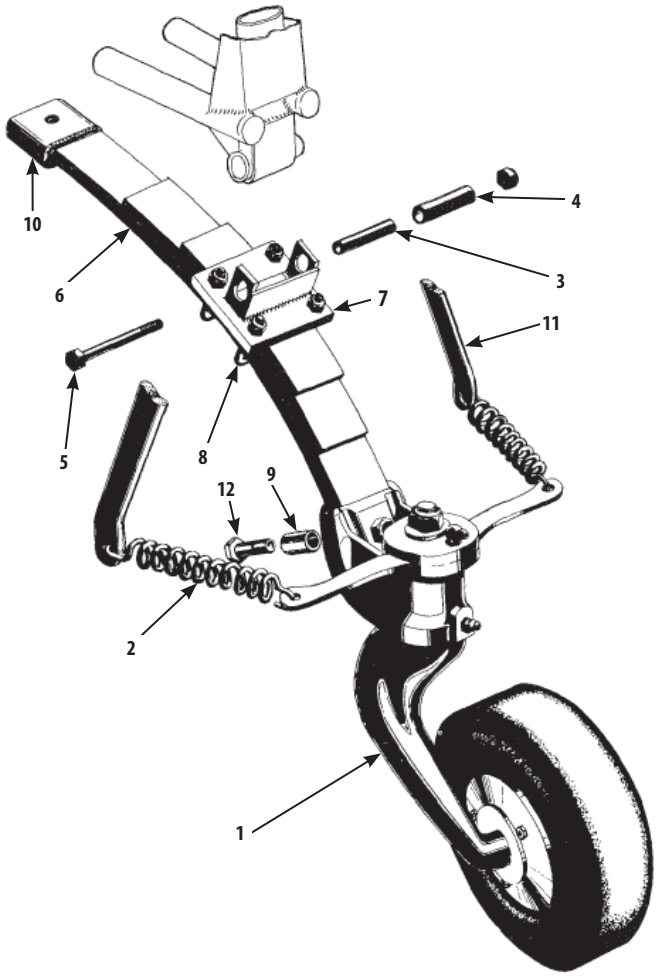
Aircraft Ski Springs

STC APPROVED

- Atlee Dodge parts
- Applicability: Aeronca, Champion, Luscombe, Maule, Piper J-3 thru PA-22, Stinson, Taylorcraft
- Improves ski rigging tension in cold weather
- Use with tubular landing gear
- STC SA4624NM

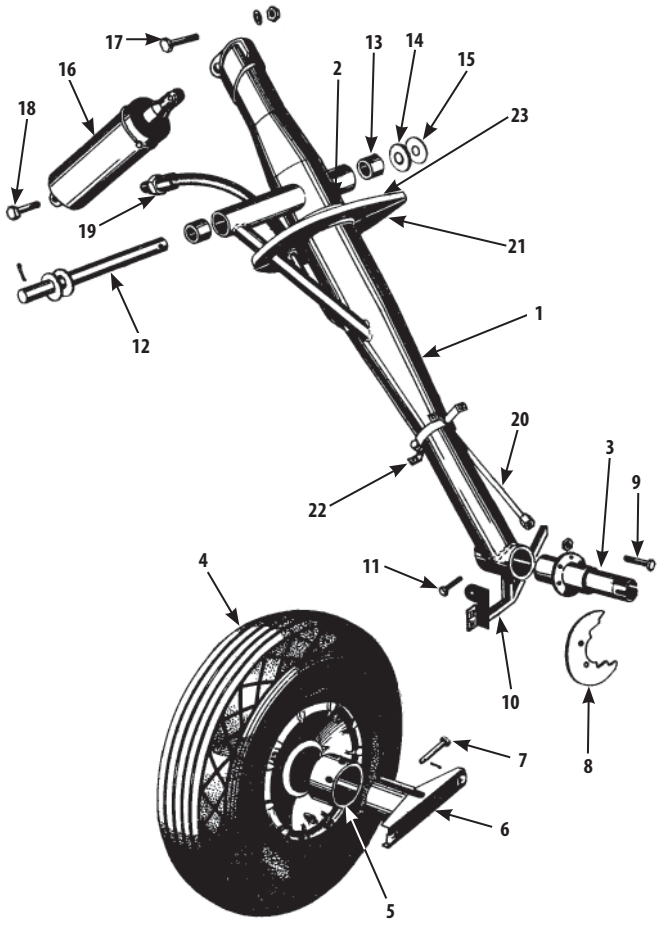
Gold Color ..... 2127 ..... **$249.00**
Silver Color ..... 2097 ..... **$249.00**

Tailwheel and Spring Assembly



Figure/Description	Part #	Price
1) Wheel Assembly, Tail, 1946-48	45-2000	**N/A**
Bolt, 1946-48	AN8-14A	**N/A**
Washer (AN960-816), 1946-48	NAS1149F0863P	**$0.10**
Nut (AN365-820), 1946-48	MS21044N8	**$0.88**
2) Spring, Tailwheel Steering, 1946-48	U2134A-000	**$19.11**
3) Bushing, 1946-48	108-5311000-10	**$54.45**
4) Bushing, 1946-48	108-5311000-12	**$53.46**
6) Complete Tailwheel Spring Set, 1946-48	108-5311002-2	**$370.40**
5) Bolt, 1946-48	AN5-25	**$1.22**
Nut, 1946-48	AN310-5	**$2.20**
Cotter Pin, 1946-48	AN380-2-2	**$0.04**
Screw, 1946-48	MS35207-267	**$0.18**
Washer, 1946-48	NAS1149F0363P	**$0.08**
Nut, 1946-48	MS21083N3	**$0.22**
Nut, 1946-48	MS21044N4	**$0.30**
7) Tailwheel Spring Fitting, 1946-48	108-5311003-2	**$365.17**
8) Tailwheel Spring 'U' Bolt, 1946-48	108-5311005	**$61.04**
9) Bushing, 1946-48	108-5311004	**$22.43**
10) Tailwheel Spring Cushion, 1946-48	108-5311000-6	**$19.40**
11) Steering Fork	108-2583	**$181.53**
12) Bolt	AN8-14	**$6.30**

Landing Gear Assembly



Figure/Description	Part #	Price
1) Landing Gear Beam (Includes Axle, Item 3), S/N 1 to 4124		
Left	108-5111000-0	**$3,099.69**
Right	108-5111000-1	**$3,099.69**
2) Upper Landing Gear Strut Clamp, 1946-48	108-5101103	**$64.24**
3) Landing Gear Axle, S/N 1 to 4124	108-5611001	**$1,016.62**
4) Tire, 7.00-6, 4-ply Heavy Duty, 1946-48	108-5101000-14	**N/A**
Tube, 7.00-6, 1946-48	108-5101000-16	**N/A**
5) Goodyear Axle Nut, 1946-48	108-5111006	**$88.44**
Cleveland Axle Nut, S/N 4435 to 447648	108-5112006-6	**$57.23**
6) Wheel Pant Outer Bracket, 1946-48	108-5101104	**$187.87**
7) Clevis Pin (AN394-57), 1946-48	MS20392-3C57	**$3.16**
Cotter Pin, 1946-48	AN380-2-2	**$0.04**
8) Landing Gear Brake Shield		
1946, S/N 1 to 81, 83 to 111	108-5101007	**$10.42**
1946-48, S/N 82, 112 and up	108-5101008	**$16.58**
9) Bolt, 1946-48	AN4-10A	**$0.26**
10) Wheel Pant Inner Bracket, 1946-48		
Left	108-5101105-0	**$220.42**
Right	108-5101105-1	**$233.09**
11) Bolt, 1946-47	AN6-24A	**$1.20**
Washer, 1946-47	NAS1149F0632P	**$0.06**
Nut, 1946-47	MS21044N6	**$0.58**
12) Landing Gear Hinge Pin, 1946-48	108-5111005	**$292.82**
13) Landing Gear Hinge Pin Bushing, 1946-48	108-5111003	**$63.82**
14) Washer (AN960-1216), 1946-48	NAS1149F1290P	**$0.38**

Order online at www.univair.com

15) Washer (AN960-1216L), 1946-48 ..... NAS1149F1232P **$0.18**
16) Landing Gear Shock Strut, 1946-48 ..... 108-5181000 ..... **$2,053.24**
17) Bolt, 1946-48 ..... AN6-14 ..... **$1.44**
Washer, 1946-48 ..... NAS1149F0663P **$0.11**
Nut, 1946-48 ..... AN310-6 ..... **$2.58**
Cotter Pin (AN380-3-4), 1946-48 ..... MS24665-285 ..... **$0.04**
18) Bolt, 1946-48 ..... AN6-21 ..... **$1.85**
19) Flexible Brake Hose, 1946-48
(N/A on S/N 4435 to 4476) ..... 108-5101304-1 ..... **$319.04**
20) Cleveland Brake Line, 1948 ..... 108-5102017 ..... **$93.43**
Goodyear Brake Line, 1946-48 ..... 108-5101000-18 ..... **$146.86**
21) Landing Strut Fairing Bulkhead, 1946-48
Left ..... 108-5101102-8 ..... **$56.96**
Right ..... 108-5101102-9 ..... **$56.96**
22) Lower Landing Gear Fairing Clamp, 1946-48 ..... 108-5101107 ..... **$142.37**
23) Landing Strut Fairing Bulkhead, 1946-48
Left ..... 108-5101102-6 ..... **$90.16**
Right ..... 108-5101102-7 ..... **$90.16**

Cleveland Conversion Kit

Replace your original Goodyear wheels and brakes. This kit is approved by Type Certificate and is easy to install, requiring no modification to existing beam and axle assembly.

- Tire size: 7.00-6
- Will fit late model 108-3 with early axle nut and different plumbing

Cleveland Wheels & Brakes Kit ..... 199-08700 ..... **CALL**

Landing Gear Fairing

Left Fairing Assembly
108-5101100-10 ..... **$455.54**

Right Fairing Assembly
108-5101100-15 ..... **$419.65**

Bushwheel 3200 Tailwheel

The 3200 series is a lightweight 8" tailwheel assembly designed to provide positive steering control far beyond rudder travel, and to release easily and automatically to full swivel when aircraft is turned around. The swivel mechanism is sealed to keep out water, sand and mud. Grease fittings are provided for lubrication. Precision components provide years of trouble-free service under severe operating conditions. Pneumatic assembly.

Pneumatic Assembly 3200 Tailwheel ..... ABI-3200 ..... **$1,900.00**

For Specialty Tires, see the
Tires • Wheels • Brakes
section beginning on page 270

Stinson's Golden Age, Volumes 1 and 2

Two volumes about the history of the Stinson 108 series airplane (the Voyager), although the Stinson 105, Stinson 10 and 10A, as well as the Stinson L-5, are also covered in great detail. It begins in **Stinson's Golden Age, Volume 1**, with the three-place 105 in 1938 and concludes in **Stinson's Golden Age, Volume 2**, with the sale of the last Stinson 108-3 from Willow Run in 1950. The books include production figures, the disposal of surplus military aircraft, the all-Piper Apache and the chronicle of two Stinson dealers, all included to give the reader a better sense of the Golden Age of Aviation.

Stinson's Golden Age, Volume 1 ..... SGA-1 ..... **$27.25**
Stinson's Golden Age, Volume 2 ..... SGA-2 ..... **$26.95**

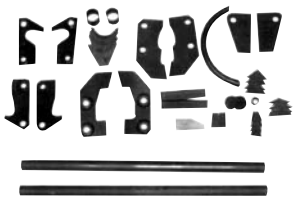
Modification Kits

Rudder Pulley Modification Kit

- Complies with Stinson Service Bulletin 266

Modification Kit ..... 750-189 ..... **$493.37**

Float Fitting Kit



- Complete with blueprint installation instructions
- Welding is required

108-3901001 ..... **$1,509.27**

Stinson Jettison Door Kit

- Required for aircraft certified in the utility category
- Includes all parts and installation instructions

For S/N 1 to 3929 ..... 108-3992046 .... **$1,113.27**
For S/N 3930 and up ..... 108-3992046-1 ..... **$904.59**

Rudder Bungee Kit

Kit is required when 165hp or larger engine is installed in 108 or 108-1 Stinson. Some welding is required. Kit is made to order; call for lead time.

108-3042450 ..... **$3,203.38**

Buy Stinson parts on www.univair.com

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Propellers

Univair furnishes a bolt kit with each propeller purchase. Bolt kits can also be purchased separately from our website.

Propeller descriptions below show basic aircraft/engine model applicability. Check manufacturer's websites for exact applicability before purchasing, or contact our sales staff at 1-888-433-5433 and we can research it for you.

Please note that we do not stock all of the propellers listed. Non-stocked propellers require 4-6 months for delivery.

McCauley Aluminum Fixed Pitch Propellers

Stinson 10, HW-75, Continental C-85 ..... CM7144 ..... **CALL**
Stinson 10, HW-75, Continental C-85 ..... CM7146 ..... **CALL**
Stinson 108 Series, Franklin 6A4 ..... DM7654 ..... **CALL**
Stinson 108 Series, Franklin 6A4 ..... SFC7654 ..... **CALL**
Stinson 108 Series, Franklin 6A4 ..... DM7649 ..... **CALL**
Stinson 108 Series, Franklin 6A4 ..... SFC7652 ..... **CALL**

Sensenich Aluminum Propellers

Stinson 108 Series, Franklin 6A4 ..... 74DR-0-56 ..... **$8,960.80**

Sensenich Wood Propellers

Stinson 10, 105, HW-75, Continental A-75, A-80 ..... W70DK-40 ..... **$3,995.00**
Stinson 10, 105, HW-75, Continental A-75, A-80 ..... W70DK-42 ..... **$3,995.00**
Stinson 108 Series, Franklin 6A4 ..... W76JR-53 ..... **$5,395.00**

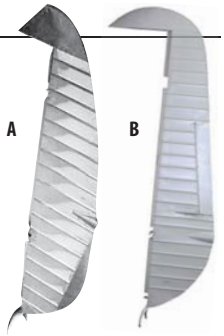
Tail Section

Description	Part #	Price
Inboard Horizontal Stabilizer Rib, Left	108-2111001-6	**$147.04**
Right	108-2111001-7	**$147.04**
Inboard Horizontal Stabilizer Half Rib, 1946-47	108-2111005-6	**$12.19**
Outboard Horizontal Stabilizer Half Rib, 1946-47	108-2111005-8	**$12.19**
Inboard Horizontal Stabilizer Half Rib, 1946-47	108-2111006-6	**$28.06**
Outboard Horizontal Stabilizer Half Rib, 1946-47	108-2111006-8	**$28.06**
Inboard Horizontal Stabilizer Half Rib, 1946-47	108-2111007-6	**$17.34**
Outboard Horizontal Stabilizer Half Rib, 1946-47	108-2111007-8	**$17.34**
Horizontal Stabilizer Rib, 1946-48	108-2111008	**$81.46**
Horizontal Stabilizer Outboard Fitting, 1946-48	108-2111011	**$201.38**
Horizontal Stabilizer Rib, Station 28.00, 1948	108-2111025	**$92.88**
Horizontal Stabilizer Rib, Station 35.00, 1948	108-2111026	**$104.96**
Horizontal Stabilizer Rib, Station 42.50, 1948	108-2111027	**$96.35**
Elevator Tab Stud, 1946-48	108-2201005	**$61.99**
Elevator Outboard Rib, 1946-48, Left	108-2201007-22	**$120.71**
Right	108-2201007-23	**$137.56**
Elevator Tip Rib, 1946-48	108-2201007-24	**$149.11**
Vertical Stabilizer Spar, 1946-47	108-2311000-10	**$106.96**
Vertical Stabilizer Tip Assembly, 1946-47	108-2311000-407	**$68.18**
Vertical Stabilizer Rib, Station 63.35, 1946-47	108-2311001	**$19.70**
Vertical Stabilizer Half Rib, Station 55.35, 1946-47		
Left	108-2311002-6	**$30.15**
Right	108-2311002-8	**$30.15**
Vertical Stabilizer Half Rib, Station 47.35, 1946-47		
Left	108-2311003-6	**$30.15**
Right	108-2311003-8	**$30.15**
Vertical Stabilizer Spar, 1946-47	108-2311008	**$11.67**
Vertical Stabilizer Upper Hinge Bracket, 1946-47	108-2311011	**$13.52**
Vertical Stabilizer Fairlead, 1948	108-2311015	**$17.12**
Fabric Side Strip, 1948	108-2312020-8	**$14.85**
Vertical Stabilizer Rib, 1948	108-2312050-12	**$147.62**
Vertical Stabilizer Rib, 1948	108-2312050-14	**$88.12**
Vertical Stabilizer Fairing, 1948	108-2312050-18	**$95.09**
Vertical Stabilizer Angle, 1948, Left	108-2312050-22	**$38.25**
Right	108-2312050-23	**$38.25**
Fin Fairing Seal, 1948, 1 yard	108-2312050-32	**$81.92**
Vertical Stabilizer Skin, 1948, Left	108-2312050-34	**$788.88**
Right	108-2312050-35	**$788.88**
Vertical Stabilizer Stiffener, 1948, Left	108-2312050-42	**$92.35**
Right	108-2312050-43	**$92.35**
Vertical Stabilizer Angle, 1948	108-2312050-56	**$25.33**
Vertical Stabilizer Gusset, 1948	108-2312050-58	**$37.04**
Vertical Stabilizer Rib, 1948	108-2312050-6	**$109.95**
Vertical Stabilizer Rib, 1948	108-2312050-8	**$54.81**
Bracket Assembly, 1948	108-2312051	**$127.76**
Fairing Angle, 1948	108-2602100-5	**$23.94**
Fairing Angle, 1948	108-2602100-6	**$31.57**
Fairing Angle, 1948, Left	108-2602100-81	**$17.02**
Right	108-2602100-91	**$22.09**
Rudder Spar, 1946-47	108-2611000-10	**$171.72**
Rudder Skin, 1946-47, Left	108-2611000-6U	**$325.61**
Right	108-2611000-7U	**$325.61**
Upper Fairing Angle, 1946-47, Left	108-2611000-AL	**$17.85**
Right	108-2611000-AR	**$17.85**
Middle Fairing Angle, Left or Right, 1946-47	108-2611000-B	**$17.85**
Lower Fairing Angle, Left or Right, 1946-47	108-2611000-C	**$18.95**
Upper Rudder Fitting Assembly, 1946-48	108-2611002	**$82.06**
Lower Rudder Fitting Assembly, 1946-48	108-2611003	**$191.14**
Auxiliary Rudder Spar, 1946-47	108-2611005	**$20.30**
Rudder Tip Rib, 1946-47	108-2611006	**$39.45**
Lower Rudder Rib, 1946-47	108-2611007	**$19.11**
Rudder Horn Assembly, 1946-47	108-2611008-0	**$226.40**

Horizontal Stabilizer

Horizontal Stabilizer Assembly, 1946-1948 ..... 108-2111020 ..... **$9,508.75**
Center Hinge Fitting, 1946-1947 ..... 108-2111012 ..... **$201.38**
Outboard Stabilizer Skin, Left, 1948 ..... 108-2111020-6 ..... **$269.88**
Right ..... 108-2111020-12 ..... **$269.88**
Inboard Stabilizer Skin, Left, 1948 ..... 108-2111020-8 ..... **$269.88**
Right ..... 108-2111020-14 ..... **$269.88**
Fairing Plate Assembly, Left, 1946-1947 ..... 108-3001445-0 ..... **$57.66**
Right ..... 108-3001445-1 ..... **$57.66**

Rudders



These rudders and skin kits DO NOT have the original Stinson dimple corrugation; they use the Piper-Stinson designed "V" type corrugation.

Rudders
- A) For 108, 108-1, 108-2
  108-2611000 ..... **$3,897.90**
- B) For 108-3 (Includes Tab)
  108-2602100 ..... **$4,725.18**

Rudder Skin Kit
- For 108, 108-1, 108-2 ..... 108-2611000-500 ..... **$956.05**
- For 108-3 ..... 108-2602100-500 ..... **$1,580.72**

Rudder Bungee Kit

Bungee Kit is required when 165hp engine or larger engine is installed in 108 or 108-1 Stinson. Some welding required.

Complete Bungee Kit ..... 108-3042450 ..... **$3,203.38**

Additional Rudder Parts

Steering Arm, 1946-48 ..... 108-2583 ..... **$181.53**
Top Skin, 1948, Left ..... 108-2602100-8 ..... **$267.24**
Right ..... 108-2602100-9 ..... **$267.24**
Spar, 1948 (2602100-18) ..... 108-12905-4 ..... **$167.82**
Trim Tab, 1948 (2602100-64) ..... 108-12905-12 ..... **$390.52**
Navigation Light Fairing, 1948, Left or Right ..... 108-12905-11 ..... **$99.08**
Trim Tab Spring, 1948 ..... 108-2602101-6 ..... **$18.25**
Rudder Top Skin, 1946-1947, Left ..... 108-2611000-8 ..... **$43.01**
Right ..... 108-2611000-9 ..... **$43.01**
Rudder Horn with Bearing, 1948 ..... 108-2611008-2 ..... **$235.10**

Elevators

These elevators DO NOT have the original Stinson dimple corrugation; they use the Piper-Stinson designed "V" type corrugation.

Left (with Trim Tab), 1946-48 ..... 108-2201007-0 ..... **$5,998.25**
Right, 1946-48 ..... 108-2201007-1 ..... **$5,998.25**

Additional Elevator Parts

Trim Tab Assembly, 1946-47 ..... 108-2201001-0 ..... **$499.72**
Elevator Horn, 1946-48 ..... 108-2201006 ..... **$126.87**
Elevator Tab Mechanism Cover Assembly, 1946-48 ..... 108-2201012 ..... **$27.44**
Rudder Trim Casing Assembly, 1946-48 ..... 108-2241602 ..... **$202.62**
Rudder Tab Mechanism Housing, 1946-48 ..... 108-2241603 ..... **$126.09**
Tab Control Shaft Assembly, 1946-48 ..... 108-2241606 ..... **$134.40**
Trim Tab Control Shaft, 1946-48 ..... 108-2241608 ..... **$540.41**
Trim Tab Mechanism Rod, 1946-48 ..... 108-2241610 ..... **$237.95**

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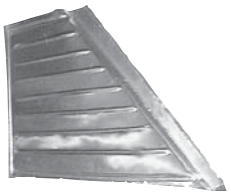
Vertical Stabilizer

Vertical Stabilizer Assembly, 1946-47 ..... 108-2311000 ..... **$4,653.60**
Lower Hinge Bracket, 1946-48 ..... 108-2311013 ..... **$13.04**
Fabric Tie Down Strip, 1946-48 ..... 108-2311016 ..... **$26.24**
Fabric Trim Strip, S/N 2125 to 3500 ..... 108-2311017 ..... **$29.28**
Leading Edge Fabric Band, 1948 ..... 108-2312018-6 ..... **$19.43**
Side Fabric Trim Band, Left or Right, 1948 ..... 108-2312019-6 ..... **$75.63**
Inboard/Outboard Fabric Side Strip, Left, 1948 ..... 108-2312020-6 ..... **$15.17**
Stabilizer Rear Spar, 1948 ..... 108-2312050-16 ..... **$242.26**
Stabilizer Front Spar, 1948 ..... 108-2312050-40 ..... **$408.22**
Dorsal Skin, 1948, Left ..... 108-2312050-52 ..... **$224.67**
Right ..... 108-2312050-53 ..... **$134.70**
Center Hinge Fitting, 1946-47 ..... 108-2611012 ..... **$199.64**

Vertical Stabilizer Skin



- Upper vertical stabilizer skin stamping for 108-3 (original style)

Left ..... 108-2312050-20 ..... **$932.00**
Right ..... 108-2312050-21 ..... **$932.00**

Windows • Windshields

Prices below are for clear windows and windshields only. See our website for prices and availability of Solar Gray and Green tinted versions. Delivery time is 10 to 12 weeks for non-stock items.

Stinson L-5

Windshield Half, Left ..... 76-31073-0 ..... **$219.04**
Right ..... 76-31073-1 ..... **$219.04**
Windshield, 1-piece ..... 76-31073-2 ..... **$468.52**
Rear Window, Left ..... 76-31126-0 ..... **$219.04**
Rear Window, Right ..... 76-31126-1 ..... **$219.04**

Stinson 108, 108-1, 108-2 and 108-3

Windshield Half, Left ..... 108-3002208-6 ..... **$282.89**
Windshield Half, Right ..... 108-3002208-7 ..... **$282.89**
Rear Window, Left or Right
(S/N 1 to 3499) ..... 108-3001212 ..... **$96.53**
(S/N 3500 and up) ..... 108-3002212 ..... **$65.34**
Forward Window Assembly, Left Door
(S/N 1 to 1989) ..... 108-3001211-54 ..... **$244.21**
(S/N 1990 to 3499) ..... 108-3002211-26 ..... **$234.97**
(S/N 3500 and up) ..... 108-3002211-90 ..... **$409.29**
Forward Window Assembly, Right Door
(S/N 1 to 1989) ..... 108-3001211-55 ..... **$243.45**
(S/N 1990 to 3499) ..... 108-3002211-27 ..... **$262.06**
(S/N 3500 and up) ..... 108-3002211-91 ..... **$420.56**
Rear Window Assembly, Left Door
(S/N 1 to 1989) ..... 108-3001211-56 ..... **$259.32**
(S/N 1990 and up) ..... 108-3002211-28 ..... **$204.34**

Rear Window Assembly, Right Door
(S/N 1 to 1989) ..... 108-3001211-57 ..... **$167.70**
(S/N 1990 and up) ..... 108-3002211-29 ..... **$249.43**

Wings

Description	Part #	Price
Tie Down Eye Bolt, 1948	#59	**$11.60**
Aileron Spacer, 1946-47	108-1001000-8	**$43.46**
Lift Strut Lower Fillet Rib, 1946-48	108-1001004	**$51.27**
Flap Hinge Fairing, Left, 1946	108-1002006-16	**$156.00**
Right, 1946	108-1002006-17	**$156.00**
Upper Wing Gap Band, Left, 1946-48	108-1101002-6	**$66.42**
Right	108-1101002-7	**$66.42**
Lower Wing Gap Band, Left, 1946-48	108-1101003-6	**$90.63**
Right	108-1101003-7	**$90.63**
Fuel Tank Strap Reinforcement, 1946-48	108-1101013	**$14.91**
Fuel Tank Strap Cover, 1946-48	108-1101014	**$42.68**
Front Spar Tip, 1946-48, Left	108-1111006-6	**$116.01**
Right	108-1111006-7	**$116.01**
Spar Drag Wire Block, 1946-48, Left	108-1111051-6	**$57.41**
Right	108-1111051-7	**$57.41**
Aft Front Spar Bracket, 1946-48, Left		
S/N 1 to 742	108-1111056-0A	**$223.49**
S/N 743 to 3500	108-1111056-0B	**$214.11**
Aft Front Spar Bracket, 1946-48, Left		
S/N 1 to 742	108-1111056-1A	**$236.08**
S/N 743 to 3500	108-1111056-1B	**$236.08**
Forward Front Spar Bracket, 1946-47, Left		
S/N 1 to 742	108-1111057-0A	**$389.62**
S/N 743 to 3500	108-1111057-0B	**$389.62**
Forward Front Spar Bracket, 1946-47, Right		
S/N 1 to 742	108-1111057-1A	**$389.62**
S/N 743 to 3500	108-1111057-1B	**$389.62**
Rear Spar Tip, Right, 1946-47	108-1111061-7	**$65.27**
Rear Spar Tip, Left, 1946-48	108-1111061-8	**$91.74**
Rear Spar Tip, Right, 1948	108-1111061-9	**$119.86**
Spar Drag Wire Block, 1946-48, Left	108-1111063-6	**$74.38**
Right	108-1111063-7	**$44.79**
Aft Rear Spar Bracket, 1946-48, Left		
S/N 1 to 742	108-1111064-0A	**$389.62**
S/N 743 to 3500	108-1111064-0B	**$389.62**
Aft Rear Spar Bracket, 1946-48, Right		
S/N 1 to 742	108-1111064-1A	**$389.62**
S/N 743 to 3500	108-1111064-1B	**$389.62**
Forward Rear Spar Bracket, 1946-48, Left		
S/N 1 to 742	108-1111065-0A	**$389.62**
S/N 743 and up	108-1111065-0B	**$389.62**
Forward Rear Spar Bracket, Right, 1946-48		
S/N 1 to 742	108-1111065-1A	**$389.62**
S/N 743 and up	108-1111065-1B	**$389.62**
Aileron Bellcrank Bracket, 1946-48	108-1111069	**$32.01**
Spar Drag Wire Block, 1946-48, Left	108-1111074-8	**$49.62**
Right	108-1111074-9	**$49.62**
Forward Front Spar Fitting, 1946-48,		
Left or Right	108-1111076-0	**$134.44**
Landing Light Retainer, Left, 1946-48	108-1111084-6	**$38.25**
Landing Light Lens Retainer, 1946-48	108-1111086	**$30.71**
Landing Light Lens Retainer, Left, 1946-48	108-1111087	**$25.95**
Landing Light Bracket, 1946-48	108-1111088	**$58.59**
Landing Light Bracket, 1946-48	108-1111089	**$58.59**
Cabin Ventilator Intake Grille, 1946-48	108-1111130	**$35.20**
Forward Rear Spar Fitting, Left or Right, 1948	108-1112078-1	**$186.76**
Forward Rear Spar Fitting, Left, 1946-47	108-1112078-400	**$90.14**
Right	108-1112078-401	**$90.14**
Aft Rear Spar Fitting, Left, 1946-47	108-1112079	**$56.47**
Right	108-1112079-1	**$74.38**
Aft Front Spar Fitting, 1948	108-1112150	**$185.73**
Aft Rear Spar Fitting, Left or Right, 1948	108-1112151-0	**$190.21**
Filler Neck Gasket, 1946-48	108-1121109	**$14.67**
Fuel Tank Strap, 1946-48	108-1121119	**$213.50**
Fuel Tank Strap Clip, 1946-48	108-1121121	**$16.66**
Fuel Tank Vent, 1948	108-1122133-2	**$150.33**
Aileron Bellcrank, S/N 1 to 3109, Left	108-1141204-0	**$396.28**
Right	108-1141204-1	**$396.28**
Aileron Push Pull Rod, S/N 1 to 3109	108-1141207-0	**$259.18**
Aileron Push Pull Rod, S/N 3110 and up	108-1141207-1	**$360.26**
Wing Flap Control Bellcrank, S/N 1 to 3109	108-1141500	**$302.26**
Wing Flap Bellcrank Support, S/N 1 to 3109		
Left	108-1141501-0	**$162.72**
Right	108-1141501-1	**$162.72**
Wing Flap Bellcrank Support, S/N 3110 and up		
Left	108-1141501-2	**$184.13**
Right	108-1141501-3	**$164.04**
Aileron Bellcrank, S/N 3110 and up, Left	108-1142204-0	**$283.88**
Right	108-1142204-1	**$283.88**
Wing Flap Control Bellcrank, S/N 3110 and up	108-1142500	**$339.78**
Landing Light Deflector, 1946-48	108-1161003	**$27.44**
Flap Assembly, 1946-48, Left	108-12906	**$4,070.05**
Right	108-12906-1	**$4,070.05**
Aileron Rib, 1946-47, Left	108-1711000-6	**$13.42**
Right	108-1711000-7	**$13.42**
Aileron Rib, 1946-47, Left	108-1711000-8	**$14.64**
Right	108-1711000-9	**$14.64**
Aileron Rib, 1946-47, Left	108-1711000-10	**$22.39**
Right	108-1711000-11	**$22.39**
Aileron Former, 1946-47, Left	108-1711000-14	**$53.18**
Right	108-1711000-15	**$53.18**
Aileron Former, 1946-47, Left	108-1711000-18	**$104.44**
Right	108-1711000-19	**$269.42**
Aileron Channel, 1946-47	108-1711000-26	**$7.46**
Aileron Bracket, 1946-47, Right	108-1711000-29	**$11.67**
Aileron Tip Trailing Edge Former, 1946-47	108-1711005	**$56.14**
Aileron Trailing Edge Former, 1946-47, Left	108-1711006-0	**$436.61**
Right	108-1711006-1	**$436.61**
Aileron Trim Tab, S/N 2250 to 3500	108-1711014	**$7.46**
Aileron Tip Brace Rib, 1946-47, Left	108-1711016	**$20.30**
Right	108-1711016-1	**$56.67**
Rear Lift Strut Yoke, 1946-48	108-1911013	**$115.02**
Door Friction Catch, 1948	108-3000250	**$9.21**
Wing Tip Antenna Bracket, 1948	108-3032526	**$11.95**
Fuel Tank Strap Bolt, 1946-48	108-8311000	**$44.61**

Ailerons

- Uncovered
- On 108-3 aircraft, these ailerons may be used instead of the 1712020-0 and 1712020-1, if used in pairs

Left ..... 108-1711000-0 ..... **$1,731.49**
Right ..... 108-1711000-1 ..... **$1,731.49**

Rod End Bearings

This **threaded** rod end bearing is used on pushrod assemblies manufactured by Univair in 1981 and later.

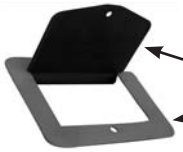
- Applicability: Stinson flap and aileron pushrod rod end bearing
- Thread: ⅜-24
- Bore: 3/16"
- Type Shank: Male

Threaded Rod End Bearing, Male .....GMM-3M-680 ..... **$27.60**

This **unthreaded** rod end bearing is used on factory original and replacement parts manufactured prior to 1981.

Unthreaded Rod End Bearing.....REP3H5 ..... **$85.76**

Aileron Inspection Hole Frame and Cover



Aileron Inspection Hole
Cover ..... 108-1711012 ..... **$23.44**
Frame ..... 108-1711011 ..... **$11.93**

Strut Fillets

Upper Lift Strut Fillet
Front, Left ..... 108-1001001-0 ..... **$116.69**
Front, Right ..... 108-1001001-1 ..... **$116.69**
Rear, Left ..... 108-1001002-0 ..... **$113.28**
Rear, Right ..... 108-1001002-1 ..... **$113.28**
Lower Lift Strut Fillet
Left ..... 108-1001003-0 ..... **$250.91**
Right ..... 108-1001003-1 ..... **$250.91**

Leading Edge Slat

- Applicability: All 108 Stinsons

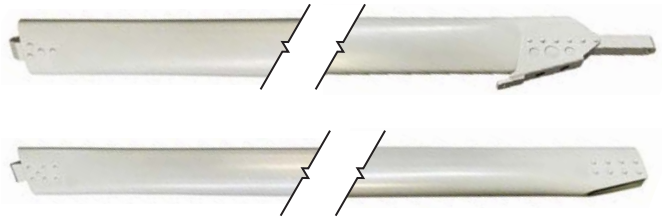
Leading Edge Slat .....108-1811300-2..... **$671.99**

Pitot Tube

108-1131002 .... **$417.85**

Lift Struts

- Lifts struts will be shipped via freight only



Front Strut.....108-1911000 ..... **$2,113.11**
Rear Strut.....108-1911010 ..... **$1,695.41**

NOTES

Stinson 108-1 • Photo by Mike Roe

Wing Panel Assemblies, Uncovered

See Figure 1 on page 166

- Wing assemblies do not include flaps, ailerons, pitot tubes, fuel tanks or landing lights
- All products are priced and sold individually unless otherwise noted
- Wing assemblies are shipped via Freight only and will incur crate charges

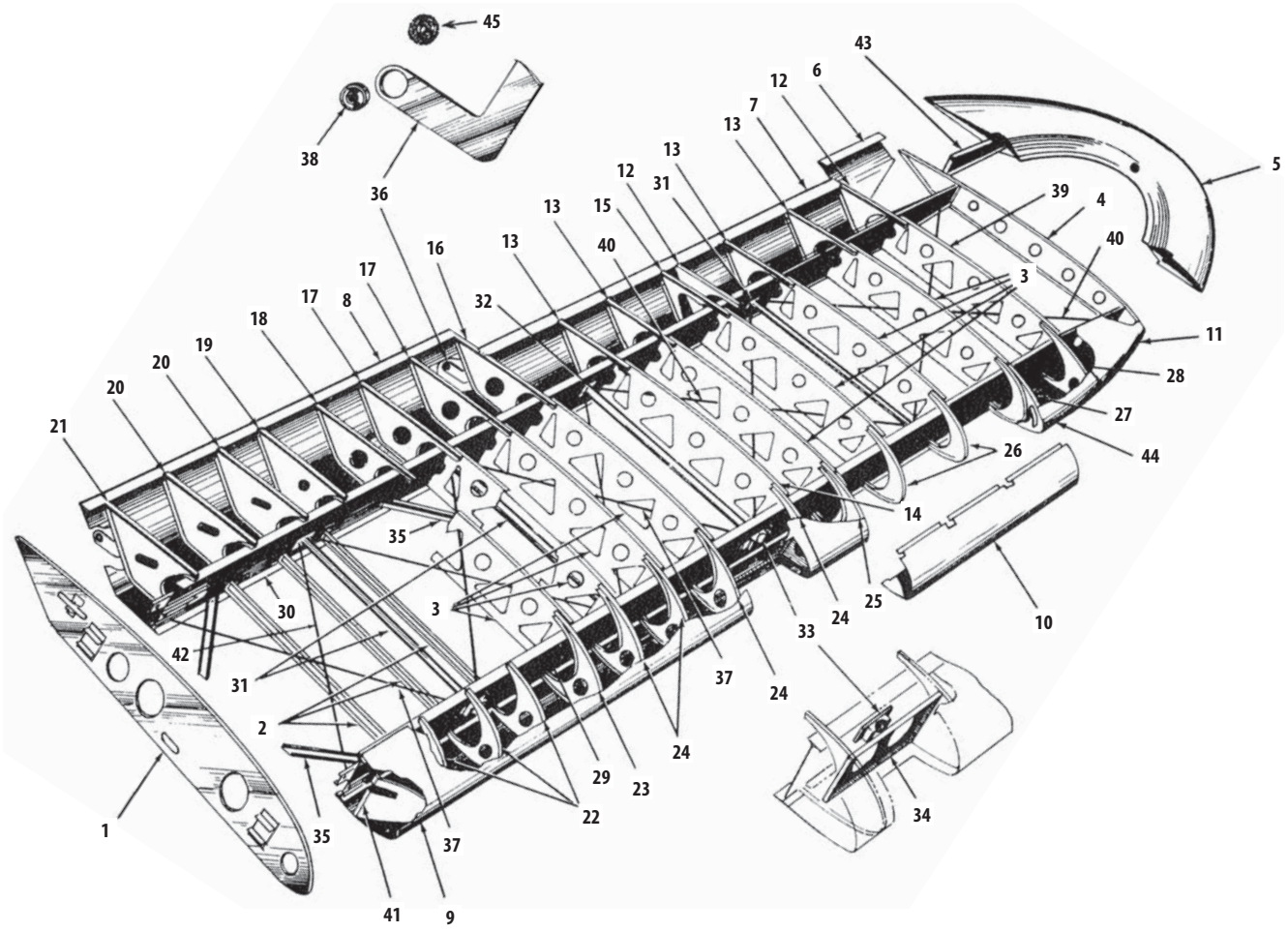
Fig	Description	Part Number	Price
	1946-47 Wing Assembly, Uncovered, Left	108-1111000-1	**$20,977.79**
	1946-47 Wing Assembly, Uncovered, Right	108-1111001-1	**$20,977.79**
	1948 Wing Assembly, Uncovered, Left	108-1111000-2	**$20,977.79**
	1948 Wing Assembly, Uncovered, Right	108-1111001-2	**$20,977.79**
1)	Wing Root Rib Assembly, Left	108-1111038-0 [1]	**$585.62**
	Wing Root Rib Assembly, Right	108-1111038-1 [1]	**$510.96**
	Wing Root Rib Assembly, Left	108-1111038-2 [2]	**$388.97**
	Wing Root Rib Assembly, Right	108-1111038-3 [2]	**$1,003.96**
	Wing Root Rib Assembly, Left	108-1111038-4	**$414.83**
	Wing Root Rib Assembly, Right	108-1111038-5	**$414.83**
2)	Wing Rib, Stations 12.88 through 33.50	108-1111009 [5]	**$155.43**
3)	Wing Rib	108-1111010	**$142.89**
4)	Wing Tip Rib, Station 170.19, Left	108-1111032-0	**$255.90**
	Right	108-1111032-1	**$228.12**
5)	Wing Tip Assembly, Left	108-1111050-0	**$1,996.09**
	Right	108-1111050-1	**$2,776.91**
6)	Trailing Edge, Stations 156.00 through 170.19		
	Left	108-1111047-0	**$178.66**
	Right	108-1111047-1	**$166.11**
7)	Outboard Trailing Edge, Left	108-1111046-0	**$553.94**
	Right	108-1111046-1	**$455.67**
8)	Inboard Trailing Edge, Left	108-1111045-0	**$455.67**
	Right	108-1111045-1	**$455.67**
	Left	108-1111045-2	**$455.67**
	Right	108-1111045-3	**$455.67**
9)	Leading Edge Skin, Root Rib to Station 104.31		
	Left	108-1111043-6	**$668.28**
	Left	108-1111043-10	**$474.62**
10)	Leading Edge Skin, Stations 104.31 through 143.81		
	Left	108-1111040-6	**$94.20**
	Right	108-1111040-7	**$109.37**
11)	Outboard Leading Edge Skin, Left	108-1111041-10	**$526.84**
	Right	108-1111041-11	**$497.02**
12)	Trailing Edge Hanger, Stations 116.875 and 155.875		
	Left	108-1111021-0	**$354.38**
	Right	108-1111021-1	**$354.38**
13)	Wing Trailing Edge Former	108-1111013	**$39.45**
14)	Wing Rib, Station 94.00	108-1111123	**$116.11**
15)	Trailing Edge Former, Station 113.50	108-1111108	**$43.71**
16)	Trailing Edge Hanger, Station 77.875		
	Left or Right	108-1111028	**$304.09**
17)	Trailing Edge Former	108-1111008-6	**$41.45**
18)	Trailing Edge Hanger, Station 46.00, Left	108-1111011-400	**$239.69**
	Right	108-1111011-401	**$239.69**
	Left	108-1112149-1	**$422.89**
	Right	108-1112149-0	**$187.91**
19)	Trailing Edge Former, Station 33.50	108-1111107	**$35.58**
20)	Trailing Edge Former	108-1111029-6	**$39.45**
21)	Trailing Edge Hanger, Station 1.625, Left	108-1111012-0 [3]	**$239.69**
	Right	108-1111012-1	**$239.69**
	Left	108-1111012-2 [6]	**$239.69**
22)	Leading Edge Former, Stations 12.88 through 35.50 and 104.31	108-1111020-6	**$42.61**
23)	Leading Edge Former, Station 46.00	108-1111110	**$122.45**
24)	Leading Edge Former, Stations 43.875 through 94.00 and 143.81	108-1111016	**$80.70**
25)	Leading Edge Former	108-1111072	**$163.42**
26)	Leading Edge Former, Stations 104.31 through 130.56	108-1111017	**$73.74**
27)	Leading Edge Former	108-1111073	**$198.93**
28)	Leading Edge Former, Station 156.00	108-1111015	**$48.67**
29)	Front Spar Assembly, Left	108-1111002-2	**$1,680.84**
	Right	108-1111002-3	**$1,680.84**
	Left	108-1112146	**$3,076.94**
	Right	108-1112146-1	**$3,076.94**
30)	Rear Spar Assembly, Left	108-1111060-2 [4]	**$1,005.92**
	Left	108-1111060-4 [7]	**$1,005.92**
	Right	108-1111060-5 [7]	**$1,005.92**
	Left	108-1112147-0	**$2,967.06**
	Right	108-1112147-7	**$1,221.71**
31)	Wing Brace Tube	108-1111109-6	**$67.69**
	Wing Brace Tube	108-1111109-8	**$67.69**
32)	Wing Compression Tube Assembly	108-1111025-1	**$335.97**
33)	Drag Wire Spar Block, Station 87.188, Left	108-1111049-6	**$49.29**
	Right	108-1111049-7	**$49.29**
34)	Landing Light Support	108-1111083	**$28.39**
35)	Wing Brace, Stations 0.00 and 46.00 Rib	108-1111106	**$15.84**
36)	Flap/Aileron Hinge hanger (includes #38)	108-1111034	**$164.02**
37)	Drag Wire, 41.50" Long	108-1111054-6	**$46.01**
38)	Bearing	CS3906	**$38.74**
39)	Wing Rib, Station 155.875	108-1111124	**$128.22**
40)	Drag Wire, 51.00" Long	108-1111054-7	**$100.94**
41)	Wing Brace, Station 0.00 and 46.0 Rib, Left	108-1111106	**$15.84**
	Right	108-1111107	**$35.58**
42)	Drag Wire, 41.75" Long	108-1111054-10	**$49.29**
43)	Spar Tip Rib	108-1111122	**$89.33**
44)	Inboard Leading Edge Skin, Left	108-1111041-8	**$578.60**
	Right	108-1111041-9	**$578.60**
45)	Felt Seal	108-8001001	**$2.85**

[1] For airplanes serial 108-1 through 108-2572
[2] For airplanes serial 108-2573 through 108-3500
[3] For airplanes serial 108-1 through 108-2509
[4] For airplanes serial 108-1 through 108-3109
[5] Six each used per plane on serial 108-1 through 108-3500 and eight per plane on serial 108-3501 and up
[6] For airplanes serial 108-2510 and up
[7] For airplanes serial 108-3110 through 108-3500

Visit our website to browse our full line of Stinson parts and supplies.

Figure 1 • Wing Panel Assembly

Parts list begins on page 165.



Engine Conversion Kits

Univair holds STC approval SA2718NM for the O-360 series Lycoming engine (180hp) for the 108, 108-1, 108-2, and 108-3 Stinsons. Univair also holds the STC for the IO-360 series engine (200hp) for the 108-3. These engines offer increased performance, a 2,000 hour TBO for the O-360, an 1,800 hour TBO for the IO-360. Besides an improvement in TBO over the original Franklin engines, these engines offer greater serviceability. They run on the more readily available 100LL avgas and are two of the most popular engines in use in general aviation today. Univair can supply for these conversions: engine mounts, baffles, exhaust systems, propellers and various detail parts, including rudder bungee and ½" fuel lines when required. Univair can supply all necessary ½" fuel line components except the fuel valve.

Performance Information

Univair publishes no performance data for either of these engine conversions. The supplemental flight manuals for these installations do state that these conversions will deliver the same or better performance than what the aircraft was originally certified for. Neither of these engine conversions allow for an increase in gross weight.

Customers who have installed wither the 180hp or 200hp engine conversions have noted significantly better climb and short field performance especially with a climb propeller in the case of the 180hp installation. The same is true with the Hartzell constant speed propeller and 200hp installation on the 108-3. Customers have reported modest increases in airspeed with both installations. A greater increase in speed has been reported on the 108-3 with the 200hp installation compared to the 180hp installation. The original maximum structural cruise speed limit remains the same after the engine conversions.

More details on Stinson engine conversion kits can be found on our website

UNIVAIR AIRCRAFT CORPORATION
2500 Himalaya Road, Aurora, Colorado 80011

November 12, 1963

STINSON SERVICE INFORMATION LETTER NO. 74A

Installation of Franklin 6A4-165-B3 165hp Engine and Rudder Bungee on Stinson 108 and 108-1 airplanes.

The following information is applicable to such a change:

1. The original aircraft frame and engine mount for Models 108, 108-1, 108-2 and 108-3 are structurally satisfactory for this installation.

2. Models 108 and 108-1 will require installation of revised fuel system as shown in Stinson Drawing 108-6222100 "G". This includes increasing fuel line and fittings to ½".

3. The original center of gravity range, gross weight and airspeed limits are retained.

4. Model 108 and 108-1 will require installation of rudder bungee in accordance with Drawing 108-3042450.

5. Cowling and baffles as shown in Drawing 108-6021401 "L" and 108-6221201 "H" are required for the 165hp engine.

6. Propellers as listed in Specifications A-767 as eligible for the Model 108-2 are satisfactory for use on the modified aircraft.

7. Installation of this engine may be made on the basis of this letter by the local A & P mechanic with the usual FAA 337 form. The Flight Manual Revision, supplied with kit, should be placed in the aircraft.

8. Re-mark tachometer to red line at 2800 RPM, cylinder heat to 530°F for spark plug type thermocouple, 445°F for bayonet type thermocouple.

9. This installation is eligible on the land plane, sea plane, and ski plane version.

Robert M. Williams
STINSON SERVICE DEPARTMENT

FAA APPROVED Rocco Riggio
DATE Nov 18, 1963

165 Franklin vs. 180/200 Lycoming

165 Franklin			180 Lycoming		200 Lycoming	
% Power	Output	Fuel Consumption	% Power	Output	Output	Fuel Consumption
82%	135hp	10.5 gph	75%	135hp	10.5 gph	150hp	10.4 gph
75%	123hp	9.7 gph	68%	122hp	9.5 gph	137hp	9.4 gph
71%	117hp	9.3 gph	65%	117hp	9.0 gph	130hp	9.1 gph
65%	107hp	8.6 gph	61%	110hp	8.4 gph	123hp	8.5 gph
			55%	99hp	7.4 gph	110hp	7.5 gph

Lycoming O-360 Series • 180hp

Our STC covers the installation of the O-360 series* 180hp Lycoming engine with fixed-pitch Sensenich propeller for the entire 108 series of Stinsons. The ⅜" fuel lines in the 108 and 108-1 will have to be replaced with ½" fuel lines. This will require a modification of the fittings on the fuel tanks. Univair can supply all the necessary ½" fuel line components with the exception of the fuel valve. Also, the 108 and 108-1 will require the Rudder Bungee Kit if not already installed. Neither the fuel lines or Rudder Bungee Kit are included in the Minimum or Detail kits listed below; they must be purchased separately from Univair. The 108-2 and 108-3 already have ½" fuel lines. The 108-2 will also have the Rudder Bungee Kit already installed. The 108-3 does not require the Rudder Bungee Kit as it has a rudder with a pilot adjustable trim tab.

This engine conversion will allow the use of the existing cowling requiring some modifications to the nose and lower cowl.

Below are lists of major items that we require as a minimum of purchased parts from Univair. These Minimum Conversion Kits will be sold only as a complete package. Other "detail" items are needed for the installation. However, they may be purchased individually from Univair or from other vendors. These include items such as controls, ducting, hoses, etc.

Note: In developing this STC installation, Univair used the narrow (standard) deck engine. Installations using the later wide deck engines may require minor modifications to the baffling.

* O-360 engines approved for this STC are O-360-A1A, -A1D, -A1F, -A1F6, -A1F6D, -A2A, -A2D, -A1AD,-A2E, -A2F, -A3A, -A3AD, -A4AD, -A4M, and -A5AD

Kits for O-360 180hp Conversion

Minimum Kit (See List Below) ..... 180MK..... **$18,494.16**
Detail Kit (See List Next Page)..... 180DK.....**$7,137.11**
Sensenich Propeller 76EM8 Series.....**CALL**
Rudder Bungee Kit*..... 108-3042450.....**$3,203.38**

* Required for 108 and 108-1

Customers with wide deck engines who wish to convert from a generator to an alternator can purchase the 015-01236WD Alcor Alternator Kit from InterAv (phone 210-344-2785). The adjustment bracket supplied in this kit is not applicable; however that bracket (108-U9001062) can be supplied at no additional charge upon request.

180MK Minimum Kit $18,494.16

This kit includes the parts listed below. Engine not included.

Description	Quantity	Part #
Engine Mount	1	108-U-9001023
Baffle Set	1	O-360
Oil Cooler	2	8000075
Oil Cooler Take Off	1	108-U-9001024
Spinner Assembly	1	U14422-B
Carburetor Air Box	1	108-U9001059
Exhaust Manifold	1	108-U9001064
Muffler Assembly	2	108-U9001015-3A
Shroud	1	108-6222209-20
Shroud	1	108-6221210-20
Shroud Clip	2	108-6221704
Flame Tube	2	108-U9001061
Bracket	1	108-U9001062
Muffler Hanger	2	108-6221710
Leather Gasket	1	11950-004
Oil Pressure Tube	1	108-U9001002-2
Fuel Line	1	108-6222101-10
Oil Cooler Tube	1	108-U9001002-56
Oil Cooler Tube	1	108-U9001002-57
Oil Cooler Tube	1	108-U9001002-58
Eyebrow	1	108-6022421
Alternator Adjustment Arm	1	108-U9001051
Alternator Belt	1	3L320
STC Paperwork and Blueprints	1	SA2718NM

180DK Detail Kit $7,137.11

This kit includes the items listed below, or they can be purchased separately.

Description	Quantity	Part #	Price Each
Oil Pressure Line	1	108-U-9001008-2	**$100.98**
Aeroduct, 4" diameter	2 ft	CAT16	**$16.92/ft**
Worm-Drive Hose Clamp	2	20060S	**$7.07**
Tachometer Cable, 37"	1	TACH-37	**$169.79**
Aeroduct, 1" diameter	1 ft	SCAT4	**$11.18/ft**
Aeroduct, 2" diameter	2 ft	SCEET8	**$24.92/ft**
Aeroduct, 2" diameter	8 ft	SCAT8	**$15.56/ft**
Rubber Hose, 3/4" ID	3 ft	MIL6000-12	**$14.49/ft**
90° Flared Male Elbow	1	49X8	**$12.03**
Button Lock Control, 60"	1	A700-10-0600	**$115.99**

Throttle Control, 52.75"	1	A750-10-0526	**$182.45**
Mixture Control, 48"	1	A750-20-0480	**$113.21**
Lord Engine Mount	4	J7402-24	**$238.16**
Swivel Stud Fitting	1	U70371-003	**$29.12**
Rod End	2	89307-000	**$76.07**
Brackett Air Filter Assembly	1	BA-4106	**$77.30**
Tailpipe	2	108-U-9001011	**$1,140.17**
Baffle Air Scoop	1	108-U-9001055	**$503.51**
Muffler Clamp	2	108-U-9001058	**$87.30**
Hanger	1	108-U-9001053-00	**$57.06**
Hanger	1	108-U-9001053-01	**$57.06**
Cowl Reinforcement Ring	1	108-U-9001050	**$46.58**
Bushing	1	108-U-9001065	**$9.52**
60-0-60 Ammeter	1	82311	**$66.50**
Flared Tube To Pipe Nipple	1	AN816-8D	**$8.72**
90° Flared Elbow	2	MS20822-8D	**$89.71**
45° Flared Elbow	3	MS20823-8D	**$28.20**

Lycoming IO-360 Series • 200hp

Applicable on Stinson 108-3 Only

Univair holds STC approval SA1552NM for the installation of the IO-360* 200hp engine conversion with Hartzell constant speed propeller on the Stinson 108-3. This conversion is simple and a direct replacement of the Franklin 165hp engine and related accessories with a more modern, fuel efficient and more powerful Lycoming IO-360 series engine package.

This conversion retains the existing lower cowling; however, it must be modified. A new deeper nose cowl and longer side cowling are required. A new fuel boost pump is required. Because of the installation of the constant speed propeller and related accessories, the battery box must be relocated behind the baggage compartment.

There are standard and wide deck versions of the Lycoming IO-360. To insure that we provide the proper parts for your installation, we need to know which version you have. Information on how to determine this is on page 166.

Below is a list of major items required for this installation as contained in the Minimum Conversion Kit. This kit will only be sold only as a complete package. Other "detail" items needed for the conversion such as controls, ducting, hoses, etc., can be purchased individually.

Note: In developing this STC installation, Univair used the narrow (standard) deck engine. Installations using the later wide deck engines may require minor modifications to the baffling.

* IO-360 engines approved for this STC are IO-360-A1A, -A1B, -A1B6, and -A1C

Kits for IO-360 200hp Conversion

Conversion Kit

200hp Minimum Kit (See List Below)	200MK	**$17,032.44**

All Metal Bottom Cowl for 200hp Conversion

Bottom Cowl	108-U-9001040	**$3,158.20**

Hartzell Propeller and Accessories

Hartzell Propeller (HC-C2YK-1BF/F7666A-Z)	81-C2K00040	**CALL**
Governor	H1	**CALL**
Hartzell Spinner Assembly	835-44	**CALL**

Customers with wide deck engines who wish to convert from a generator to an alternator can purchase the 015-01236WD Alcor Alternator Kit from InterAv (phone: 210-344-2785). The adjustment bracket supplied in this kit is not applicable; however that bracket is supplied in the Minimum Conversion Kit at no additional charge.

200MK Minimum Kit $17,032.44

This kit includes the parts listed below. Engine not included with kit.

Description	Quantity	Part #
Engine Mount	1	108-U-9001023
Baffle Set	1	108-U-9001020
Oil Cooler	2	8000075
Oil Cooler Take Off	1	108-U-9001024
Side Cowl Assembly	1	108-U-9001032
Nose Cowl	1	108-U-9001033
Bottom Cowl Modification Kit	1	108-U-9001040KIT
Muffler Assembly, Left	1	108-U-9001015-3A
Muffler Assembly, Right	1	108-U-9001015-4A
Shroud	1	108-6222209-20
Exhaust Manifold	1	108-U-9001034
Shroud Clip	2	108-6221704
Flame Tube	2	108-U-9001010
Tailpipe Hanger Kit	1	108-U-9001016KIT
Alternate Air Box Assembly	1	108-U-9001019
Auxiliary Fuel Pump	1	1500-00-44
Baffle Bracket Kit	1	108-U-9001021KIT
Alternator Drive Belt	1	8368
STC Paperwork and Blueprints	1	SA1552NM

Detail Parts for 200MK Installation

Parts listed below must be purchased separately.

Description	QTY	Part #	Price Each
Tailpipe, Left	1	108-U-9001013	**$429.17**
Tailpipe, Right	1	108-U-9001014	**$429.17**
Oil Cooler Flange Fitting	1	108-U-9001024	**$192.53**
Auxiliary Fuel Pump Bracket	1	108-U-9001003	**$113.37**
Vernier Control, 27"	1	A750-10-0290	**$105.98**
Vernier Control, 52.75"	1	A750-10-0526	**$182.45**
Vernier Control, 60"	1	A750-20-0600	**$117.94**
Alternate Air Control (032-22)	1	—	—
Throttle Bracket	1	108-U-9001004	**$62.75**
Tachometer Cable	1	TACH-37	**$169.79**
Bendix Ignition Switch	1	10-357200-1	**$668.77**
Battery Box Relocation Kit	1	U-108-3062020	**$815.20**
60-0-60 Ammeter	1	82311	**$66.50**
Manifold Pressure/Fuel Flow Gauge	1	—	—
Lord Engine Mount	4	J7402-24	**$238.16**
Electrical Wiring, Complete Set	1	108-U-9001007KIT	**$485.06**
Engine Hose Kit	1	HOSE-KIT	**$1,439.91**
Air Filter Assembly	1	BA-5110	**CALL**
Ignition Vibrator Starter	1	10-176487-121	**$651.00**

TAYLORCRAFT • ANTIQUE

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Many parts can be correctly identified by the nomenclature listed in this section. However, we suggest that you also have the correct parts manual for positive identification.

Manuals

Description	Part #	Price
Taylorcraft BC12 Owners Manual	TWM	**$21.38**
Taylorcraft BC12D Service Manual	TSM	**$25.22**

Cockpit • Interior

Airpath Compasses

Pedestal Compass

Used in many light aircraft, this compass mounts on top of instrument panel and has built-in light and compensator magnets.

Pedestal Compass ..... C-2400-L4P **$338.18**

Overhead Compass

Used in most light aircraft instrument panels that have the 2¼" panel cutouts and has a self-luminous dial and built-in compensator magnets.

Overhead Compass ..... C-2300 ..... **$267.32**

Universal Defroster Kit

- Atlee Dodge kit
- Applicability: Taylorcraft

The defroster kit has its own diverter box, control and outlets. It is installed aft of the cabin heat box on the inside of the cockpit. Installation time varies from 4 to 8 hours depending on the aircraft. The kit uses 2" CEET hose and can become very hot depending on the aircraft condition of the exhaust and cabin heat box, etc. This is considered a minor alteration. No approval is required.

Universal Defroster Kit ..... 3242-12 ..... **$1,043.00**

Control System

Description	Part #	Price
Bushing	A-920	**$7.75**
Brake Control Bellcrank, Left	BA-57L	**$280.95**
Right	BA-57R	**$280.95**
Connector Link	D-26	**$8.73**

Control Wheel

Deluxe Control Wheel Assembly
415-52055-6 ..... **$124.58**

Taylorcraft Hub Cover
Black ..... 52055-TC-BLK **$59.00**
Red ..... 52055-TC-RED **$59.00**
Maroon ..... 52055-TC-MAR **$59.00**

View the hub covers in color on our website!
www.univair.com

Engine • Fuel System • Cowling

Description	Part #	Price
Exhaust Nut	22022	**$2.11**
Engine Mounting Seat	530626	**$27.72**
Shock Mounting Rubber Bushing	530740	**$53.32**
Engine Mounting Cup Washer	530741	**$7.97**
Exhaust Gasket	632837	**$3.28**
Air Intake Gasket	649974	**$4.11**
Top of Carburetor Gasket	652105	**$2.50**
Engine Mounting Spacer	653695	**$34.37**
Fuel Line 90° Elbow	3400X6	**$11.08**
Engine Mounting Rubber Hose	628555-16	**$14.14**
Ignition Switch, With 'Start' Position	10-357200-1	**$668.77**

Ignition Switch, No 'Start' Position	10-357290-1	**$576.31**
Brackett Air Filter Assembly	BA-4106	**$77.30**
Curtis Drain Valve, ⅛-27 NPT Thread	CCA-1550	**$22.84**
Lord Engine Mount	J7402-24	**$238.16**
Continental Engine Mount Washer	U21530A	**$8.65**
Carburetor Air Box	UA50256	**$989.69**
DZUS Spring	S5A-200	**$2.13**
DZUS Long Oval Head Stud	AJ5-40	**$3.56**
DZUS Grommet	GA5-312	**$3.78**

Nose Cowl & Grilles

FAA-PMA APPROVED

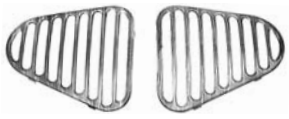
Aluminum Nose Cowl

- Applicable to B series and BC12D Continental powered Taylorcraft
- Cowl grilles sold separately

UBC-A6014 ..... **$1,500.07**

Nose Cowl Grilles

- Stamped aluminum grilles with natural aluminum finish
- For all standard Taylorcraft nose cowls



Left Grille	UB-6074-L	**$105.69**
Right Grille	UB-6074-R	**$105.69**

Exhaust Stack

FAA-PMA APPROVED

- Applicability: All 65hp Continental engines in Taylorcraft B series through BC12 series

Exhaust Stack
UBC-A6031 ..... **$2,629.35**
Exhaust Stack (Metalized)
UBC-A6031M **$2,843.19**

Tachometer Cables

FAA-PMA APPROVED

Recording Tachometer Cable, 32.5"	U1713-R325	**$175.30**
Non-Recording Tachometer Cable, 34"	U1713-N340	**$175.30**
Recording Tachometer Cable, 35"	U1713-R350	**$175.30**

Engine Mounts

FAA-PMA APPROVED

For 65hp Continental	UBC-A157	**$1,443.41**
For 85hp Continental	U2551	**$1,549.89**

Heat Shroud

FAA-PMA APPROVED

Heat Shroud
U689 ..... **$1,505.65**

Rubber Engine Mount Bushings

- Used on all A and C series Continental engines
- 8 required per installation
- Priced and sold individually

Engine Mount Bushings ..... U22387A **$7.22**

Landing Gear • Chassis

Description	Part #	Price
Timken Bearing Cone	A6075	**$60.22**
Timken Bearing Cup	A6162	**$36.14**
Bearing Cone	08125	**$49.98**
Bearing Cup	08231	**$31.18**
Shear Castle Nut	AN320-12	**$5.67**
Bellcrank Hinge Pin Rod	A-576	**$14.85**
Cam Arm	6CA28	**$62.15**
Cleveland Brake Lining	066-00504	**$89.30**
Cleveland Cam Wear Plate	089-00200	**CALL**
Cleveland Rivet	105-00300	**$1.45**
Cleveland Anchor Bolt Plate	093-00200	**CALL**
Cleveland Brake Cam Assembly	181-00100	**CALL**
Cleveland Spring	082-00400	**$51.57**
Cleveland Grease Seal Ring	153-00500	**$47.82**
Cleveland Grease Seal Ring	153-00300	**$17.06**
Cleveland Felt Grease Seal	154-00500	**$34.28**
Cleveland Dust Shield	157-00200	**$208.83**
Timken Bearing Cup	13836	**$36.98**
Timken Bearing Cone	13889	**$79.98**

"Taper Axle" Landing Gears

FAA-PMA APPROVED

Landing Gear "Taper Axle", Left	UB-A50-L	**$2,789.89**
Right	UB-A50-R	**$2,789.89**
Axle Nut Washer	UA-500	**$12.20**

Tailwheel Springs

FAA-PMA APPROVED

Tailwheel Springs, Complete Set	UB-562SET	**$240.40**
Top Tailwheel Leaf Spring	UB-562	**$56.62**
Middle Tailwheel Leaf Spring	UB-563	**$56.92**
Bottom Tailwheel Leaf Spring	UB-564	**$62.28**
Tailwheel Spring Spacer	UB12-1216A	**$32.81**

Bushwheel 3200 Tailwheel

The 3200 series is a lightweight 8" tailwheel assembly designed to provide positive steering control far beyond rudder travel, and to release easily and automatically to full swivel when aircraft is turned around. The swivel mechanism is sealed to keep out water, sand and mud. Grease fittings are provided for lubrication. Precision components provide years of trouble-free service under severe operating conditions. Pneumatic assembly.

3200 Tailwheel, Pneumatic	ABI-3200	**$1,900.00**

Shock Cords

- Priced and sold individually

L-2	11104	**$53.37**
Model 15A	13114	**$152.43**
1945 BC12D and Later	9010	**$59.42**
BC12D, BC12-85, BC19, Heavy Duty	9010HD	**$29.97**
BC12D, BC12-85, BC19, Heavy Duty Cold Weather	9010HD-CW	**$48.56**
Cold Weather	9010-CW	**$45.38**
Models F19 and F21, Heavy Duty	9010HDX	**$40.34**
All Model B Series Prior to 1946	9090	**$31.79**

Aircraft Ski Springs

STC APPROVED

- Atlee Dodge parts
- Applicability: Aeronca, Champion, Luscombe, Maule, Piper J-3 thru PA-22, Stinson, Taylorcraft
- Improves ski rigging tension in cold weather
- Use with tubular landing gear
- STC SA4624NM

Gold Color	2127	**$249.00**
Silver Color	2097	**$249.00**

Propellers

Univair furnishes a bolt kit with each propeller purchase. Bolt kits can also be purchased separately from our website.

Propeller descriptions below show basic aircraft/engine model applicability. Check manufacturer's websites for exact applicability before purchasing, or contact our sales staff at 1-888-433-5433 and we can research it for you.

Please note that we do not stock all of the propellers listed. Non-stocked propellers require 4-6 months for delivery.

McCauley Aluminum Fixed-Pitch Propellers

BCS12D Seaplane, Continental C-8F	CM7144	**CALL**
BC12D, Continental C-85	CM7146	**CALL**
BC12D, Continental C-85	CM7148	**CALL**
BC12D, Continental C-85	CM7150	**CALL**
BCS, BCS12, DCO-65, F19, Continental A-65, A-200	CM7443	**CALL**
BC65, BC12, BCS12, Continental A-65	CM7445	**CALL**
BC12, Continental A-65	CM7447	**CALL**

Sensenich Aluminum Propellers

F-21, Lycoming O-235	72CK-0-50	**$7,728.00**
BCS65, BCS12D, BCS12D1, Continental A-65	74CK-0-42	**$5,884.50**
BC65, BC1265, BCD12D, BC12D1, Continental A-65	74CK-0-46	**$5,884.50**
BC65, BC1265, BCD12D, BC12D1, Continental A-65	74CK-0-48	**$5,884.50**
BLS65, BLS1265, Lycoming O-145-B	74CK-2-36	**$5,884.50**
BC12D, 19, BCS12D, Continental C-85	74CK-2-44	**$5,884.50**
BC12D, 19, Continental C-85	74CK-2-46	**$5,884.50**
F-22B Ranger, Lycoming O-360-A4M	76EM8S5-0-56	**$8,330.60**

Sensenich Wood Propellers

BC-65, BC-12, DC-65, DCO-65, L2, Continental A-65	W72CK42-SB	**$4,030.00**
BF-65, BF-1265, DL-65, L2D, Lycoming O-145	W70LY-34	**$3,995.00**
BF-65, BF-1265, DL-65, L2D, F, J, Lycoming O-145	W70LY36	**$3,995.00**
BC-12, BC-65, DC, DCO, L2, Continental A-65	W72CK42	**$3,995.00**
BC-12, BC-65, DC, DCO, L2, Continental A-65	W72CK44	**$3,995.00**
BF, DF, L2, Franklin 4AC-176	W72F44	**$3,995.00**
19, Continental C-85	W72GK46	**$3,995.00**
BC12D, 19, Continental C-85	W72GK48	**$3,995.00**
BC12D, Continental C-85	W72GK50	**$3,995.00**

Tail Section

Description	Part #	Price
Model 'S' Tail Light Bracket	0400-113	**$38.92**
Elevator Trim Tab	1673-1	**$463.37**
Uncovered Stabilizer	B12-A44	**$765.60**
Bottom Tail Brace Wire, 41"	UA-461	**$36.93**
Rudder/Elevator Hinge Pin	UA-48	**$33.04**
Top Tail Brace Wire, 44⅛"	UD-40	**$45.21**

Windshields

Prices below are for clear windows and windshields only. Please see our website for prices and availability of Solar Gray and Green tinted versions.

BC12D Windshield	1551	**$421.74**
B Windshield, 1940-41 Pre-War BC65	B-A700	**$430.65**
D Windshield	LP560	**$471.49**

Visit our website to browse our full line of Taylorcraft parts and supplies. www.univair.com

Wings

Description	Part #	Price
Model 'E' Navigation Light Bracket	0400-112	**$40.99**
Trailing Edge	0931-1	**$611.82**
Center Aileron Hinge Bracket, Left	1553-1L	**$391.25**
Right	1553-1R	**$391.25**
Aileron Hinge Bracket	1553-2	**$750.68**
Round Inspection Plate	483-10	**$2.58**
Round Inspection Ring	483-15	**$2.04**
Aileron Hinge Pin	A-8001	**$21.56**
Aileron Hinge Fitting	A-871	**$43.64**
Rear Spar Strut Fitting, Left	B-809-L	**$366.21**
Aileron Trailing Edge	B-880-1	**$295.97**
Front Spar Strut Fitting Assembly	B-A809-2	**$732.41**
Jury Strut Upper Cross Tube	B-A835	**$317.92**
Outboard Leading Edge Skin, 54¼"	UB12-875-1	**$132.22**
Center Leading Edge Skin, 57¼"	UB12-875-2	**$146.96**
Inboard Leading Edge Skin, 64"	UB12-875-3	**$198.14**

Jury Strut Adjust Screw

FAA-PMA APPROVED

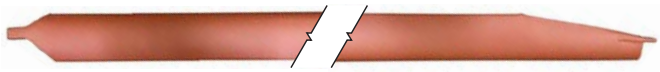
- Applicability: Taylorcraft A, B and F series, L-2F, L-2G, L-2H, L-2J, L-2K

UA-A819 ..... **$86.64**

Wing Lift Struts

FAA-PMA APPROVED

- Oiled and sealed
- Complies with AD 2007-16-14
- Approved for the A, B, and F series Taylorcraft



Front Lift Strut	UA-A815	**$952.34**
Rear Lift Strut	UA-A854	**$826.68**
Rear Jury Strut Clamp	U1296-000	**$59.19**
Front Jury Strut Clamp	U2690-000	**$43.39**

Drainage Grommets

- ¾" diameter with 5/16" diameter hole
- 1/64" thick
- 100 per package
- Made of clear plastic

Drainage Grommets ..... AN231-2 ..... **$34.00**

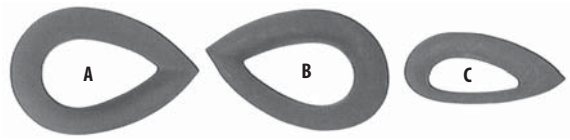
Antique & Classic Aircraft Parts

The items in this section are intended for individual owners or operators to maintain their aircraft. Qualified maintenance personnel must determine if a part is of acceptable quality and meets all airworthiness considerations for installation.

Description	Part #	Price
Main Gear Leg Bracket	D1703	**$131.82**
Rear Gear Leg Bracket	D1704	**$82.59**
Rear Gear Leg Bracket	D1705	**$82.59**
Flying Wire Washer	D1710	**$20.60**
Landing Wire Washer	D1711	**$20.60**
Heat Muff Collar, Right Half	D1713	**$106.44**
Left half	D1714	**$106.44**
Carburetor Heat Muff, Right	D1715	**$2,283.10**
Left	D1716	**$2,545.43**
Cabin Heat Muff	D1717	**$2,537.86**
Lower Leading Edge, 84.25"	D1718	**$299.12**
Upper Leading Edge, 105"	D1719	**$337.00**
Gear Fairing Bracket	D1721	**$41.08**
Gear Fairing Bracket	D1722	**$41.08**
Aileron Actuator Cover	D1725	**$14.33**
Grass Cutter Springs	D1727	**$4.95**
Cowl Ring Support Kit	D1728	**$640.02**
Laser Cut Carburetor Box	D1729	**$354.31**
Aileron/Flap Hinge Cover	D1730	**$5.00**

Exhaust Fillets

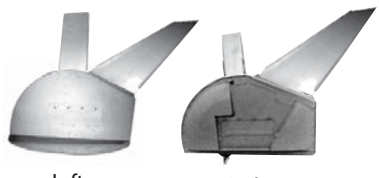
- Applicability: Beechcraft D-17 Staggerwing



A) Right Exhaust Fillet	D1709	**$720.16**
B) Left Exhaust Fillet	D1708	**$720.16**
C) Center Exhaust Fillet	D1707	**$720.16**

Landing Gear Doors

- Applicability: Beechcraft D-17 Staggerwing
- Wheel covers complete with grass cutter section shown
- Drag strut cover and shock strut cover are included in the assembly



Left Right

Landing Gear Door		
Left Assembly	D1701	**$4,094.17**
Right Assembly (shown from backside)	D1702	**$4,094.17**

More parts can be found our website.

ENGINE • FUEL SYSTEM

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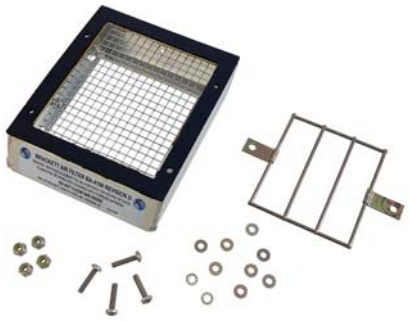
Air Filters

- Brackett filters are FAA-PMA approved and STC-SA71GL, STC-SA693CE, and STC-SA12CE approved

Polyurethane as the filtering media combined with Brackett's patented "wetting agent" will give your engine protection from dust and dirt to prolong engine life and cut maintenance. The Brackett polyurethane aircraft element can be changed without replacing the complete air filter assembly. Now induction systems, cylinders, and combustion chambers can be kept almost totally free of harmful contaminants with correct fitting of Brackett aviation air filters.



Brackett Air Filter Application Chart

Aircraft Make and Model	Brackett Filter Assembly Part #	Brackett Filter Assembly Price	Filter Gasket Part #	Filter Gasket Price	Brackett Element Part #	Brackett Element Price
AIRCOUPE						
415C, CD, D, E, G	BA-8810	**$60.35**	—	—	BA-8805	**$11.16**
F-1, A-1, A2-2	BA-4106	**$77.30**	BA-4101	**$7.22**	BA-4108	**$10.25**
BEECH						
23, A23, A23A, A23-19, A23-19A, A23-24, B23	BA-104	**$39.57**	—	—	BA-3	**$22.22**
C-23, C24R, A24R, B24R, B19	—	—	—	—	—	—
33, A33, B33, C33, E33, F33	BA-7110	**$92.55**	—	—	BA-7112	**$18.59**
C33A, E33A, E33C, F33A, F33C, G33	—	—	—	—	BA-7112	**$18.59**
B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, P35, 35R	BA-7110	**$92.55**	—	—	BA-7112	**$18.59**
S35 through S/N D7671	—	—	—	—	BA-7112	**$18.59**

Aircraft Make and Model	Brackett Filter Assembly Part #	Brackett Filter Assembly Price	Filter Gasket Part #	Filter Gasket Price	Brackett Element Part #	Brackett Element Price
S35, V35, V35A, V35B, 36, A36, A36TC, B36TC, A45 (T-34), B45 (T-34A), D45 (T-34B), W/STC SA1450SW CONT IO-520	—	—	—	—	BA-7112	**$18.59**
50, B50, C50, D50, D50A, D50B, D50C, D50E	—	—	—	—	BA-4805	**$24.06**
E50 (L-23D, RL-23D), F50, G50, H50, J50	BA-100	**$129.38**	BA-1003	**$21.00**	—	—
C55, D55, E55, E55A (S/N TE768-1078), 58 (through S/N TH740)	—	—	—	—	BA-6205	**$18.03**
A65, 70, 65-B80, B88	BA-100	**$129.38**	BA-1003	**$21.00**	—	—
77	—	—	—	—	BA-6108	**$12.42**
BELLANCA						
14-19-3A	BA-8110	**$112.61**	BA-8101	**$19.65**	BA-8103-1	**$23.16**
17-30	BA-8110	**$112.61**	—	—	BA-8103-1	**$23.16**
17-30A	BA-104	**$39.57**	—	—	BA-3	**$22.22**
CESSNA						
120, 140, 140A, 150, 150A, B, C, D, E, F, G, H, J, K, L, M, A150M, 152, A152, F150G, H, J, K, L, M, FA150K, L, F152, FA152	BA-4106	**$77.30**	BA-4101	**$7.22**	BA-4108	**$10.25**
170, 170A, B, 172, 172A, B, C, D, E, F, G, H, I, K, L, M, F172D, E, F, G, H, K, L, M	—	—	BA-5103	**$6.72**	BA-6108	**$12.42**
172-N, P, F172N, P	—	—	BA-5103	**$6.72**	BA-6108	**$12.42**
172RG	—	—	BA-5803	**$11.90**	—	—
177, 177A, B, RG, F177RG	BA-5710	**$112.16**	—	—	—	—
180 (1953-1955)	BA-8010	**$93.84**	—	—	BA-8005	**$15.15**
180A, B, C, D, E, F, G, H, J, K; 182, 182A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, F182P, Q; 185, 185A, B, C, D, E, A185E, A185F	BA-8110	**$112.61**	BA-8101	**$19.65**	BA-8103-1	**$23.16**
R-182, TR-182, T-182, FR182	BA-2510	**$101.94**	BA-2503	**$10.43**	—	—
205, 205A; 210, 210A, B, C; 310, A, B	—	—	—	—	BA-2305	**$22.74**
P206, A, B, C, D, E, U206, A, B, C, D, E, F, G	BA-2210L	**$114.20**	—	—	BA-2205L	**$25.67**
207, 207A	BA-2210L	**$114.20**	—	—	BA-2205L	**$25.67**
210D, E, F, G, H, J, K, L, M, N (to S/N 64535 without AIR)	BA-2210L BA-2210R	**$114.20** **$114.20**	—	—	BA-2205L BA-2205R	**$25.67** **$25.67**
T-303	—	—	BA-2503	**$10.43**	—	—
310F, G, H, I, J, K, L	—	—	BA-2303	**$21.86**	BA-2305	**$22.74**
T310R, 402B (S/N 801 and up); 421, 421A, B, C	—	—	—	—	BA-13	**$36.81**
CHAMPION						
8KCAB, 8GCBC, 7KCAB, 7GCBC, 7GCAA	BA-8110	**$112.61**	BA-8101	**$19.65**	BA-8103-1	**$23.16**
7GCAA, 7GCBC, 7KCAB, 8KCAB, 7ECA	BA-106	**$58.32**	—	—	BA-11	**$27.68**
7GC, 7GCA, 7GCBC, 7GCB, 7HC, 7KC	BA-104	**$39.57**	—	—	BA-3	**$22.22**
7ECA with Continental O-200-A engine, 7ACA, 7ECA, 7FC, 65CA	BA-4106	**$77.30**	BA-4101	**$7.22**	BA-4108	**$10.25**
LUSCOMBE						
8, 8A through 8F, T8F	BA-4106	**$77.30**	BA-4101	**$7.22**	BA-4108	**$10.25**
MOONEY						
M-10	BA-4106	**$77.30**	BA-4101	**$7.22**	BA-4108	**$10.25**

Aircraft Make and Model	Brackett Filter Assembly Part #	Brackett Filter Assembly Price	Filter Gasket Part #	Filter Gasket Price	Brackett Element Part #	Brackett Element Price
M-18C	—	—	BA-5103	**$6.72**	BA-6108	**$12.42**
M20, M20A, B, C, D, G	BA-6110	**$95.45**	BA-5103	**$6.72**	BA-6108	**$12.42**
M20E, F	BA-6310	**$91.68**	—	—	BA-6305	**$24.39**
M20J	—	—	—	—	BA-6205	**$18.03**
PIPER						
J-3, J-4, J-5	BA-4106	**$77.30**	BA-4101	**$7.22**	BA-4108	**$10.25**
PA-11, 11S, 12, 12S	BA-4106	**$77.30**	BA-4101	**$7.22**	BA-4108	**$10.25**
PA-16, 17, 18, 19	BA-4106	**$77.30**	BA-4101	**$7.22**	BA-4108	**$10.25**
PA-18-150, PA-18A-150, PA-18S-150, PA-18AS-150 S/N 18-6964 and up, with TCDS item 110 installed	BA-112	**$79.98**	—	—	BA-13	**$36.81**
PA-20, 115 and 135hp	BA-4106	**$77.30**	BA-4101	**$7.22**	BA-4108	**$10.25**
PA-22, all	BA-4106	**$77.30**	BA-4101	**$7.22**	BA-4108	**$10.25**
PA-23, 235 and 250hp	BA-104	**$39.57**	—	—	BA-3	**$22.22**
PA-24-250 up to S/N 1476	—	—	—	—	BA-3205	**$19.61**
PA-24, 180 and 250hp S/N 1477 and up, PA-24-250 S/N 103 to 1476 with Piper kit 754-285 installed, PA-24-260 S/N 4000 to 4802 except 4783	BA-104	**$39.57**	—	—	BA-3	**$22.22**
PA-25, 235 and 260hp	BA-104	**$39.57**	—	—	BA-3	**$22.22**
PA-28-140, 150, 160, 180, 235	BA-104	**$39.57**	—	—	BA-3	**$22.22**
PA-28-181, 201T	BA-104	**$39.57**	—	—	BA-3	**$22.22**
PA-28R-201T	BA-104	**$39.57**	—	—	BA-3	**$22.22**
PA-28RT-201T	BA-104	**$39.57**	—	—	BA-3	**$22.22**
PA-28R-201, PA-28RT-201, PA-28R-180, PA-28R-200	BA-105	**$56.03**	—	—	BA-10	**$34.77**
PA-28-151, 161	—	—	—	—	BA-16	**$11.69**
PA-30-160	BA-105	**$56.03**	—	—	BA-10	**$34.77**
PA-31, PA-31-300, -310, -325, -350	BA-100	**$129.38**	BA-1003	**$21.00**	—	—
PA-32-260	BA-104	**$39.57**	—	—	BA-3	**$22.22**
PA-32-300 S/N 76-40001 and up, PA-32R-300, PA-32RT-300, PA-32R-301	BA-104	**$39.57**	—	—	BA-3	**$22.22**
PA-32RT-300T	BA-100	**$129.38**	BA-1003	**$21.00**	—	—
PA-34-200T, 220T	BA-104	**$39.57**	—	—	BA-3	**$22.22**
PA-34-200 with Lycoming IO-360-C01E6 or LIO-360-C1E6	BA-105	**$56.03**	—	—	BA-10	**$34.77**
PA-36-300 with Continental 6-285-B, PA-36-375	BA-104	**$39.57**	—	—	BA-3	**$22.22**
PA-38	BA-4106	**$77.30**	BA-4101	**$7.22**	BA-4108	**$10.25**
PA-39, PA-44-180	BA-105	**$56.03**	—	—	BA-10	**$34.77**
STINSON						
108, 108-1, 2, 3	BA-9110	**$50.91**	—	—	BA-9105	**$14.34**
TAYLORCRAFT						
All models	BA-4106	**$77.30**	BA-4101	**$7.22**	BA-4108	**$10.25**

Original Paper Type Air-Maze Air Filters

Univair supplies a wide variety of air filters for light planes. Protect yourself and your engine by replacing your air filter regularly.

Piper PA-18 Air Filters

- Applicability: Piper PA-18, PA-18A 150hp models, S/N 18-6964 and up
- FAA-PMA approved

Air Filter ..... U454-118 ..... **$85.96**

- Applicability: Piper PA-18, 135hp and 150hp models
- Also for seaplanes

Air Filter (460-638) ..... 120086 ..... **$101.76**

Piper PA-22 Air Filter

- Applicability: Piper PA-22 108hp, 135hp, 150hp and 160hp

Air Filter (13681)..... 121494 ..... **$195.26**

Air-Maze Air Filter

- Applicability: Continental engines A-65, A-75, C-85, C-90, and C-125; Luscombe 8A through 8F, Taylorcraft, Cessna 140, Swift GC-1A and GC-1B, etc.; Piper J-3 through J-5, PA-11, PA-15, PA-17, PA-18 (90hp, 105hp, 125hp models) and PA-22 (125hp models)
- Use with UA50256 housing

Air Filter (40599)..... 600314 ..... **$109.99**
Cross Pin (24308) ..... 652021 ..... **$24.42**
Gasket ..... 652142 ..... **$8.23**
Airlock Receptacle (531050) ..... 99871C098 ..... **$5.52**
Continental Air Box ..... UA50256 ..... **$989.69**

Ercoupe Air Filter

- Paper type air filter screen
- Applicability: Continental C-75 and C-85, Ercoupe 415 series

Air Filter ..... 415-40585-1 ..... **$121.60**

Aeronca Air Filter

- Applicability: Aeronca 7AC and 11AC

Air Filter ..... U2-849 ..... **$161.47**

Franklin and Stinson Air Filter

- Applicability: Franklin 150-165hp engines and Stinson 108 series
- Closeout clip sold separately

Air Filter ..... 108-6221805 .... **$152.88**
Closeout Clip ..... 108-6221805-8 ..... **$27.90**

B&C Specialty Products

90° Oil Filter Adapter

Mounts directly on the accessory case to replace the OEM oil screen, the horizontal mount AC-brand oil filter adapter, or other "remote" oil filtration systems. Ships ready to install with all necessary hardware and Champion oil filter CH48108-1.

- Machined from a solid billet of aluminum
- No hoses or fittings required
- Weighs only 2.25 lb with CH48108-1 filter
- STC/PMA: Lycoming O-235 to IO-720

Oil Filter Adapter ..... BC700-1 ..... **$450.00**

Primary Alternator System

- STC/PMA for Piper PA-18 and PA-19
- Rated output of 40 amps
- Weight: 6.1 lb
- Includes BC201-1 Regulator

Features a precision-balanced rotor, sealed heavy duty ball bearings, three solid attach points, two built-in cooling fans, and provision for modern, aircraft-appropriate external regulation. Ships with mounting brackets (for either Wide or Narrow-Deck mount engines), attach hardware, belt tension arm, and belt.

Approved for aircraft with previously existing electrical systems, and oil coolers mounted on the aft engine baffle only. Other configurations will require FAA field approval.

Alternator, with Regulator BC201-1 ..... BC400-2 ..... **$698.00**

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Lycoming Replacement Starter

- All metal gears (no plastic)
- Heavy duty sealed ball bearings
- Efficient series-wound motor
- Electromechanical pinion actuation
- Weight: 10.2 lb
- STC/PMA: Lycoming O-235 to IO-720

12 Volt Starter, 122 Ring Gear Teeth ..... BC315-100-1 ..... **$580.00**
12 Volt Starter, 149 Ring Gear Teeth ..... BC315-100-2 ..... **$580.00**
24 Volt Starter, 149 Ring Gear Teeth ..... BC315-100-4 ..... **$610.00**

Continental Replacement Starter

- All steel gears
- Heavy duty sealed ball bearings
- High torque series-wound motor
- Billet aluminum end bell
- Electromechanical pinion actuation
- Weight: 10.3 lb
- STC/PMA: Continental C-75, C-85, C-90, C-145, O-200, IO-240, O-300-A, -B, -C, and GO-300-A, -B, -C

12 Volt Starter with Kit 501-1 (Key Type) ..... BC320-1-1 ..... **$608.00**
12 Volt Starter with Kit 501-3 (Pull-Cable Type) ..... BC320-1-3 ..... **$618.00**
Continental Starter Install Kit (Key Type) ..... FK501-1 ..... **$25.00**
Continental Starter Install Kit (Pull-Cable Type) ..... FK501-3 ..... **$60.00**

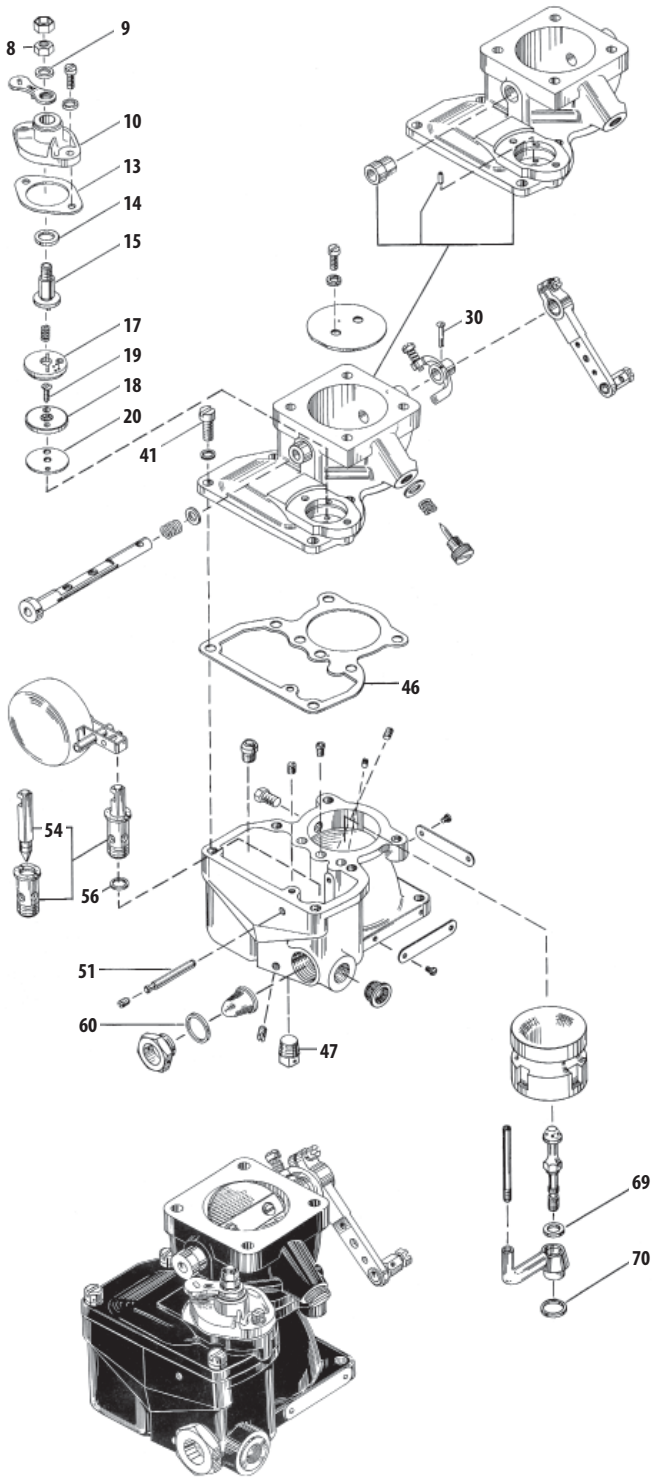
Carburetors

Bendix Stromberg Carburetor NA-S3A1 Assembly

#	Description	Part #	Quantity	Price
8	Plain Hex Nut, #10-32 thread	AN315-3	1	**$0.26**
9	Flat Washer	NAS1149F0363P	1	**$0.08**
10	Cover Assembly, Mixture Control	P61037	1	**$87.09**
13	Gasket, Mixture Control Cover	P61033	1	**$3.20**
14	Gasket	384667	1	**$6.12**
15	Stem, Mixture Control	P61034	1	**$109.45**
17	Plate, Mixture Control Valve, Upper	P61030	1	**$102.71**
18	Plate, Mixture Control Valve, Lower	P61031	1	**$124.78**
19	Flat Head Screw, #8-32 by 3/8"	AN505-8-6	1	**N/A**
20	Gasket	P61035	1	**$6.21**
30	Pin, Split Taper #4/0	P21267-1	AR	**$1.29**
41	Screw, Fillister Head 1/4-20 by 5/8"	P6550	6	**$3.75**
46	Gasket	P16155	1	**$8.68**
47	Pipe Plug (Bendix P8505)	MS20913-2D	1	**$14.20**
51	Pin, Fulcrum	P16160	1	**$2.65**
54	Needle, Float (390077)	2523047	1	**N/A**
56	Gasket, 1/32" thick	P12999	1	**$5.74**
	Gasket, 1/64" thick*	P16165	1	**$6.12**
	Gasket, 3/64" thick*	P16166	1	**$7.65**
	Gasket, 1/16" thick*	P16167	1	**$6.12**
60	Gasket	174S-22	1	**$14.56**
69	Gasket	P5329	1	**$6.50**
70	Gasket	P2885	1	**N/A**
Gasket Kit (Not Illustrated)**		380189		**$185.51**

* When necessary to change the float level, one of these gaskets may be used under the float needle seat in place of P12999.
** Visit our website to see a complete list of all gaskets included in this kit.

Exploded View



Price and availability subject to change without notice • Univair's Toll Free Sales: 1-888-433-5433

Precision Carburetor Parts • *Prices on next page*

Carburetor Part #	Pump	Shaft	Nozzle	Idle Tube	Float	Float Shaft	Float Valve	Float Setting	Idle Needle	Gaskets	Repair Kit
A10-2065	—	—	—	—	—	A32-32	—	7/32	A43-564	A16-599	*
A10-2065-P	—	—	—	—	—	A32-32	—	7/32	A43-564	A16-599	*
A10-2301	A194-580	A13-853	A47-613	—	—	A32-35	A233-614	13/64	—	—	*
A10-2535-1	A194-580	—	—	—	A30-766	A32-32	—	7/32	A43-564	A16-630	*
A10-2827	—	A13-853	—	A229-560	—	A32-35	A233-614	13/64	—	A16-646	*
A10-2848	A194-593	—	A47-652	A229-566	A30-766	A32-32	—	7/32	A43-564	CF16-653	A286-1629
A10-2948	—	—	—	A229-541	A30-766	A32-32	—	7/32	A43-564	CF16-653	A286-815
A10-2971	A194-593	—	—	A229-569	A30-766	A32-32	—	7/32	A43-564	CF16-653	*
A10-2971-P	A194-593	—	—	A229-569	A30-766	A32-32	—	7/32	A43-564	CF16-653	*
A10-2983	—	—	A47-667	A229-567	A30-766	A32-32	—	7/32	A43-564	—	*
A10-3148-1	A194-580	A13-853	A47-689	A229-572	—	A32-35	A233-614	13/64	—	A16-625	*
A10-3237	A194-593	—	A47-702	A229-566	A30-766	A32-32	—	7/32	A43-564	CF16-653	*
A10-3323	A194-580	A13-853	—	A229-560	—	A32-35	A233-614	13/64	—	A16-646	*
A10-3346-1	A194-593	—	A47-719	A229-569	A30-766	A32-32	—	7/32	A43-564	CF16-653	—
A10-3565-1	A194-593	—	A47-728	A229-569	A30-766	A32-32	—	7/32	A43-564	CF16-653	A286-1630
A10-3634	A194-580	—	A47-738	—	—	A32-35	A233-614	13/64	—	A16-625	*
A10-3649-1	A194-580	A13-853	—	A229-572	—	A32-35	A233-614	13/64	—	A16-625	*
A10-3678-12	194-800	—	—	A229-587	A30-766	A32-32	—	7/32	A43-564	A16-696	*
A10-3678-32	194-800	—	A47-773	A229-587	A30-766	A32-32	—	7/32	A43-564	A16-696	—
A10-3729	A194-593	—	A47-719	A229-569	A30-766	A32-32	—	7/32	A43-564	CF16-653	A286-1070
A10-3759	A194-580	A13-853	—	A229-572	—	A32-35	A233-614	13/64	—	A16-625	*
A10-3859	A194-580	A13-853	—	A229-572	—	A32-35	A233-614	13/64	—	A16-625	A286-939
A10-3859-1	A194-580	—	—	A229-572	—	A32-35	A233-614	13/64	—	A16-625	—
A10-3878	—	—	—	A229-590	—	A32-35	A233-614	13/64	—	A16-625	—
A10-3965-12	A194-580	A13-853	A47-749	A229-584	—	A32-35	A233-614	13/64	—	A16-625	—
A10-4115	A194-593	—	—	A229-587	—	A32-32	—	7/32	A43-564	—	—
A10-4164-1	—	—	A47-755	A229-589	—	A32-35	A233-614	13/64	A43-649	A16-625	*
A10-4171	A194-580	—	—	A229-584	—	A32-35	A233-614	13/64	—	A16-646	*
A10-4191	A194-580	A13-853	A47-749	A229-584	—	A32-35	A233-614	13/64	—	A16-625	*
A10-4218-1	—	—	—	—	—	A32-35	A233-614	13/64	—	A16-710	—
A10-4233	A194-593	—	—	A229-594	A30-766	A32-32	—	7/32	A43-564	—	—
A10-4240	A194-593	—	—	A229-587	A30-766	A32-32	—	7/32	A43-564	—	—
A10-4252	A194-593	—	—	A229-587	A30-766	A32-32	—	7/32	A43-564	—	A286-1632
A10-4404-1	—	—	A47-779	A229-592	—	A32-35	A233-614	13/64	—	A16-646	A286-1643
A10-4439	A194-593	—	A47-702	A229-566	A30-766	A32-32	—	7/32	A43-564	A16-653	*
A10-4457	A194-593	—	—	A229-587	A30-766	A32-32	—	7/32	A43-564	—	*
A10-4495	A194-580	—	—	—	A30-762	A32-35	A233-614	13/64	—	—	A286-1398

Use your Marvel-Schebler Parts and Service Manual for correct parts selection.

* Repair kits for these carburetors are not available.

Prices for Precision Carburetors Parts

See applicability chart on previous page.

Pump
A194-580 ..... **$87.30**
A194-593 ..... **$169.82**
194-800 ..... **$110.00**

Shaft
A13-853 ..... **$334.17**

Nozzle
A47-613 ..... **$216.12**
A47-652 ..... **$159.93**
A47-667 ..... **$182.40**
A47-689 ..... **$216.12**
A47-702 ..... **$169.38**
A47-719 ..... **$87.30**
A47-728 ..... **$155.74**
A47-738 ..... **$323.26**
A47-749 ..... **$217.91**
A47-755 ..... **$323.26**
A47-773 ..... **$487.07**
A47-779 ..... **$354.82**

Idle Tube
A229-541 ..... **$112.31**
A229-560 ..... **$145.99**
A229-566 ..... **$144.52**
A229-567 ..... **$142.95**
A229-569 ..... **$122.94**
A229-572 ..... **$138.70**
A229-584 ..... **$132.74**
A229-587 ..... **$151.70**
A229-589 ..... **$125.92**
A229-590 ..... **$125.92**
A229-592 ..... **$125.92**
A229-594 ..... **$92.82**

Idle Needle
A43-564 ..... **$62.21**
A43-649 ..... **$156.00**

Float Shaft
A32-32 ..... **$33.69**
A32-35 ..... **$28.86**

Float Valve
A233-614 ..... **$130.66**

Gaskets
A16-599 ..... **N/A**
A16-625 ..... **$108.20**
A16-630 ..... **$63.75**
A16-646 ..... **$111.84**
A16-696 ..... **N/A**
A16-710 ..... **$122.01**
CF16-653 ..... **$53.86**

Repair Kit
A286-815 ..... **$489.22**
A286-939 ..... **$773.30**
A286-1070 ..... **$539.02**
A286-1398 ..... **$1,000.40**
A286-1629 ..... **$660.00**
A286-1630 ..... **$728.48**
A286-1632 ..... **$660.00**
A286-1643 ..... **$784.03**

Precision Replacement Parts

Available while supplies last.

Description	Part #	Price
Screw	A15-A15	**$21.36**
Screw	A15-A23	**$5.99**
Screw	A15-483	**$5.31**
Gasket	A16-A32	**$8.70**
Gasket	A16-221	**$12.79**
Rod	A17-383	**$41.74**
Spring	A24-A10	**$11.15**
Spring	A24-A39	**$8.23**
Clip	A29-113	**$11.41**
Plug	A37-4	**$1.25**
Plug	A37-7	**$3.92**
Packing	A44-86	**$16.98**
Nozzle	A47-719	**$87.30**
Nozzle	A47-728	**$155.74**
Washer	A78-5	**$1.79**
Washer	A78-121	**$6.25**
Washer	A78-356	**$2.36**
Washer	A78-357	**$2.56**
Washer	A78-371	**$4.21**
Plug	A80-151	**$52.49**
Cotter Key	A82-14	**$3.48**
Pipe Plug	A99-8	**$27.00**
Tube Assembly	A229-560	**$145.99**
Tube Assembly	A229-569	**$122.94**
Tube Assembly	A229-579	**$84.96**
Tube Assembly	A229-587	**$151.70**
Tube Assembly	A229-588	**$122.94**
Valve	A242-505	**$216.12**
Valve	A242-508	**$232.52**
Valve	A242-520	**$200.59**
Valve	A242-528	**$191.30**
Valve	A242-537	**$69.51**
Long Lock Kit	A666-652	**$234.37**

Marvel Repair Kits

A286-815
(not all included parts are shown)

Carburetor Part #	Kit #	Price
A10-3168	A286-815	**$489.22**
A10-3859	A286-939	**$773.30**
A10-3565-1	A286-1630	**$728.48**
A10-3729	A286-1070	**$539.02**
A10-3634	A286-1190	**$737.92**
A10-4495	A286-1428	**$934.80**
A10-4240	A286-1428	**$934.80**

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Description	Part #	Price
Washer	20522	**$0.04**
Screw	21007	**$0.46**
Small Intake Hose	21185	**$7.06**
Cylinder Base Seal	21477	**$1.36**
Exhaust Nut	22022	**$2.11**
Large Intake Hose	SA22800	**$7.14**
Engine Mount Bushing	23411	**$184.55**
Tapered Crankshaft Seal	24321	**$96.76**
Flanged Crankshaft Seal	530019	**$82.10**
Valve Cover Gasket	532451	**$5.82**
Gasket	533355	**$6.31**
Seal	538556	**$5.08**
Connector Pushrod Housing	539840	**$9.85**
Pin	639292	**$0.52**
Oil Seal	642714	**$22.85**
Nut	646605	**$3.20**
Pushrod Housing Gasket	649952	**$5.24**
Carburetor to Air Box Gasket	649974	**$4.11**
Intake Gasket	649975	**$2.95**
Intake Gasket	649976	**$1.42**
Carburetor to Intake Gasket	652105	**$2.50**
Gasket	652142	**$8.23**
Oil Sump Gasket	652248	**$5.89**
Rocker Cover Gasket	655706	**$8.54**
Clamp	536388-1.25	**$3.48**
Screw	649353-.50	**$1.98**
Screw	649353-.62	**$0.66**
Oil Screen	A3568	**$140.00**
Gasket Oil Screen Housing Plug	MS35769-11	**$1.26**
Gasket Oil Screen	MS35769-48	**$1.10**
Valve Cover Gasket	RG-632310	**$5.39**
Valve Cover Gasket	RG-532451	**$12.08**
Engine Mount Washer	U21530A	**$8.65**
Propeller Hub Flange	U3991	**$186.93**

Carburetor Air Boxes for 4-Cylinder Continental Engines

FAA-PMA APPROVED

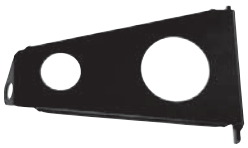
- Applicability: C75-8, C75-8F, C75-12, C75-12F, C85-8, C85-8F, C85-12, C85-12F, C90-8F, C90-12F engines

UA50256 ..... **$989.69**

- Applicability: A65-1, A65-3, A65-6, A65-7, A65-8, A65-8F, A65-9, A65-9F, A65-12, A65-12F, A65-14, A65-14F engines

UA50495 ..... **$825.08**

Continental Carburetor Air Box Support Assembly



Support Assembly ..... UA35917 .... **$132.97**

Mounting Components for C-90-14F and O-200

1) Washer	8 required*	530741	**$7.97**
2) Bushing	8 required*	530740	**$53.32**
3) Seat	8 required*	530626	**$27.72**
4) Spacer	4 required*	653695	**$34.37**
5) Hose	4 required*	628555-16	**$14.14**

*Priced and sold individually

Continental Valve Cover Gasket

- Applicability: Continental A-65, A-75, C-85, C-90, O-200, C-145, O-300 engines
- Supersedes part number 3500

Reusable Silicone Gasket ..... RG-530162 ... **$10.00**

Exhaust Gaskets

- Applicability: Continental engines
- Material: Stainless steel
- 2 required per port (sold individually)

Exhaust Gaskets ..... 632837 ..... **$3.28**

Blo-Proof Spiral Wound Gaskets

- V-shaped spirals wound with layers of stainless steel

For Continental engines A-65; C-85; C-90; O-200; O-300; GO-300; E-185; E-225; O-470-A, -E, -J; and IO-470-J, -K ..... 652459 ..... **$16.74**

For all Continental O-470 and IO-470 series engines: TSIO-470-B; TSIO-520-B, -C; GTSIO-520-C, -D (excluding O-470-A, -E, -J and IO-470-J, -K) ..... SA628260 ..... **$11.68**

Carburetor Induction Manifolds

For A-65, C-75, C-85, C-90 ..... U35145 ..... **$498.44**
For O-200 ..... U35145-A1 ..... **$661.85**

Continental Engine Mount Bushings

- Used on all A and C series Continental engines
- Rubber
- 8 required per installation
- Priced and sold individually

Engine Mount Bushings ..... U22387A **$7.22**

AC Pump Adapter Kit

FAA-PMA APPROVED

Complies with AD 81-07-06 Teledyne Continental Motors, which applies to A-65, A-75, C-75, C-85, C-90, A-100, C-125, and O-200 engines equipped with AC fuel pumps, part numbers 40585, 40695 or 631391. Kit consists of the following parts: Screen #643913, Gasket #643914, and Screw #643915.

AC Pump Adapter Kit.....AF-6561 ..... **$189.89**

Drain Valves

Fuel Drain Valves from MDI Aerovalve, Inc.

F391 Series Fuel Drain Valves

The MDI F391 flush valve is used as original equipment by most aircraft manufacturers and has been FAA-PMA approved for replacement parts. Listed below are the part numbers of the F391 valves and the aircraft they are approved for.

A B C D E F G H

A) Drain Valve – ¼" taper pipe fitting .....F391-14 ..... **$69.05**
For Cessna T-50, Piper PA-11, -12, -18, -20, -22 or aircraft with ¼" taper pipe fitting.

B) Drain Valve – ⅛" taper pipe fitting .....F391-18 ..... **$46.05**
For Maule aircraft M-5 (210 engine), M-5 (235 engine), M-5 (180 engine), M-5 (210-23 turbo-charged engine) or aircraft with ⅛" taper pipe fitting.

C) Drain Valve – ⅜" 24 thread .....F391-32 ..... **$41.79**
For Cessna 180, 182, 185, 188, 206, 207 or aircraft with ⅜" 24 threaded fitting (Cessna part #S2106-1).

D) Drain Valve – 7/16" 20 thread.....F391-53S **$43.19**
For Mooney M20J (201) and M20K (231) or aircraft with 7/16" 20 threaded fitting.

E) Drain Valve – 7/16" 20 thread .....F391-72 ..... **$41.65**
For Cessna 152, 172, 180, 185, 210 or aircraft with 7/16" 20 threaded fitting (Cessna part #S2106-2).

F) Drain Valve – ½" 20 thread .....F391-82 ..... **$41.65**
For Cessna 206, 207, 210 or aircraft with ½" 20 threaded fitting (Cessna part #S2020-2).

G) Drain Valve – ⅛" 27 thread.....F391-187 ..... **$40.60**
For Piper Arrow or aircraft with ⅛" 27 threaded fitting.

H) Drain Valve – ⅛" 27 thread.....F391-187B **$40.88**
For Piper Arrow or aircraft with ⅛" 27 threaded fitting.

SAF-AIR Quick Drain Valves

Models CAV-110 and CAV-110H-4

For Cessna 310 tip tanks, Mooney Mark 20 and 20A; all Ercoupe models, Bellanca, Taylorcraft Model B, Stinson 108, 108-1, 108-2, 108-3; Voyager Model 10 and 10A, Navion, Waco VK series and UPF, Sea Bee, and all aircraft with ⅛ NPT fuel outlets. Fits all standard gascolators. CAV-110H-4 comes with ¼" hose end.

Models CAV-160 and CAV-160H-4

For Piper models J-3, J-4, PA-11, -12, -14, -15, -16, -17, -18, -20, -22, -23, -25; Apache, Champion, Aeronca, Cessna T-50 and earlier 120 and 140 models, Beechcraft AT-11 and C-18S, and all aircraft with ¼ NPT fuel outlets. CAV-160H-4 comes with ¼" hose end.

Models CAV-170 and CAV-170H-4

For all Cessna late 140A models, 150, 170, 170A, 170B, 172 and 175, and all aircraft with 7/16" 20 threaded fuel outlets. CAV-170H-4 comes with ¼" hose end.

Models CAV-180 and CAV-180H-4

For Cessna 180, 182, 190, 195, 205, 210, 310, 310A, 310B, 310C, and 336, and all aircraft with ⅜" 24 threaded fuel outlets. CAV-180H-4 comes with ¼" hose end.

Part #	Thread Size	Hose End	Price
CAV-110	⅛ NPT	none	**$22.45**
CAV-110H-4 (-22479-000)	⅛ NPT	¼"	**$35.47**
CAV-160	¼ NPT	none	**$26.92**
CAV-160H-4	¼ NPT	¼"	**$30.66**
CAV-170	7/16-20 NF-3	none	**$23.76**
CAV-170H-4	7/16-20 NF-3	¼"	**$17.43**
CAV-180	⅜-24 NF-3	none	**$22.85**
CAV-180H-4	⅜-24 NF-3	¼"	**$27.72**

Replacement Seals (Fuel Resistant O-Rings)

Tip (all models).....MS29513-006 ..... **$0.66**
Seat (180) .....MS29513-011 ..... **$0.74**
Seat (170) .....MS29513-012 ..... **$1.50**

Curtis Drain Valves

Quick opening brass drain valves for aircraft oil or fuel systems. A slight twist opens the valve. No safety wire is needed in the closed position. FAA approved for use without safety wire. Stainless steel spring holds valve in closed position. Valve has synthetic rubber seal suitable for temperatures up to 225°F.

Part #	Thread Size	Material	Slot	Price
CCA-1550	⅛ NPT	Brass	Straight	**$22.84**
CCA-1600	¼ NPT	Brass	Straight	**$23.28**
CCA-1650	⅜ NPT	Brass	Straight	**$26.60**
CCA-1700	½ NPT	Brass	Straight	**$43.42**
CCA-4300	7/16-20 NF-3	Cadmium Plated	Spiral	**$41.19**
CCA-4850	⅛ NPT	Cadmium Plated	Spiral	**$25.91**

Flush Fuel Sampler Cup

For use with F391 series flush fuel drain valves. Fuel is only released when you want it to be with the use of this fuel sampler cup, which has a large enough opening to drain fuel into the cup, not all over your arm or in your eyes on a windy day. With the F391 fuel sampler cup, checking your sumps is very simple and can usually be done in less than one minute on the average plane. You can also see water or other contaminants which are flushed from the sump.

Flush Fuel Sampler Cup ..... F391-CUP **$13.05**

Globe Fuel Valve

Miniature globe valve for use as stop cock or drain cock. Fits ⅛" on large end; complete with 3¾" handle.

Globe Valve ..... FV2002 ..... **$7.12**

Franklin Engine Parts

Browse over 300 parts for Franklin engines on our website.

Description	Part #	Price
Gasket	5637	**$5.07**
Magneto Shock Absorber Gear	10601	**$8.89**
Carburetor Gasket	10942	**$12.60**
Nut	12201	**$16.70**
Lock Washer	14872	**$8.25**
Crankshaft Oil Seal Kit	17036	**$98.40**
Screw	18359	**$7.65**
Magneto Shock Absorber Gear	19313	**$124.58**
Tach Seal	19389	**$20.75**
Nut	19485	**$8.75**
Washer	19X14	**$1.61**
Gasket	RG-17864	**$4.87**
Engine Mount Bushing	U10246A	**$24.50**
Propeller Bolt	U17662	**$47.12**

Major Overhaul Gasket Set

150hp Gasket Set* ..... 18045 ..... **$869.00**
165hp Gasket Set* ..... 18570 ..... **$759.00**

* Exhaust gasket not included in kits

Gasket ..... 10120 ..... **$41.25**
Silicone Oil Pan Gasket ..... RG-10366 ..... **$42.00**
Top Cover Gasket ..... 18532 ..... **$82.20**
Silicone Top Cover Gasket ..... RG-18532 ..... **$49.75**

Bushing Kits

- Priced and sold individually

Crankshaft Bushing, Standard
1 required for 150/165hp ..... 19644 ..... **$436.43**
Crankshaft Bushing, .010 Undersize
1 required for 150/165hp ..... 19645 ..... **$419.50**
Connecting Rod Bushing, .010 Undersize
12 required for 150/165hp ..... 18020 ..... **$90.00**
Connecting Rod Bushing, .020 Undersize
12 required for 150/165hp ..... 18021 ..... **$12.41**

Gaskets Required for Top Overhaul

- Priced and sold individually

Inlet Manifold Gasket, 6 required for 150/165hp ..... 17671 ..... **$10.54**
Valve Cover Gasket, 6 required for 150/165hp ..... RG-17727 ..... **$10.00**
Cylinder Seal Ring, 6 required for 150/165hp ..... 17729 ..... **$4.17**
Magneto Gasket, 2 required for 150/165hp ..... 5512 ..... **$14.25**
Valve Lifter Rod Tube Packing
24 required for 150hp, 12 required for 165hp ..... 17864 ..... **$3.58**
Valve Lifter Rod Tube Packing (Crankcase End)
12 required for 165hp ..... 17794 ..... **$4.88**

Toll Free Sales: 1-888-433-5433
Monday-Friday 7:30 a.m. – 4:30 p.m. MT
Order online at www.univair.com

Fuel Pumps

Aero Accessories

• FAA-PMA approved direct replacement

Continental Engine	Aero Accessories	TCM	A/C Type
A-65, 8, 8F	AF-40585	40585	9051/9867
C-75, 12, 12F	AF-40695	40695	9076/4036
C-85, 8, 12	AF-40585	40585	9051/9867
C-90, 8, 8F, 12, 12F	AF-40695	40695	9076/4036
C-90, 14F**	**	**	**
C-90, 16F*	AF-631391	631391	6861
O-200*	AF-631391	631391	6861
A-75	AF-40585	40585	9051/9867
A-100	AF-40585	40585	9051/9867
C-125, 2	AF-40585	40585	9051/9867
C-145, 2, 2H	AF-40585	40585	9051/9867

* Uses camshaft part number 626608 or supersedure to which part number 630403 or supersedure Gear and Eccentric has been assembled. Reference Continental Service Bulletin M-76-15.

** See aircraft and engine manual. This engine may use either AC part numbers 9867 or 9076. TCM part numbers 40585 or 40695. Aero Accessories part numbers AF-40585 or AF-40695.

Description	Part #	Price
Aero Accessories Fuel Pump, Overhaul	6861	**CALL**
Aero Accessories Fuel Pump, Overhaul	9051	**CALL**
Aero Accessories Fuel Pump, Overhaul	9076	**CALL**
Aero Accessories Fuel Pump, Overhaul	40585	**CALL**
Aero Accessories Fuel Pump, Overhaul	40695	**CALL**
Aero Accessories Fuel Pump, Overhaul	631391	**CALL**
Continental Fuel Pump Gasket	653879	**$4.20**
Aero Accessories Fuel Pump, New	AF-40585	**CALL**
Aero Accessories Fuel Pump, New	AF-40695	**CALL**
Aero Accessories Fuel Pump, New	AF-631391	**CALL**

Fuel Tank Accessories

1

2

3

1) Gas Filler Neck and Sleeve ..... 415-48033-1 ..... **$22.25**

These brass filler necks and sleeves are designed to be soldered to a template tank, but can be adapted to almost any tank by soldering a ring to the sleeve and riveting it to your tank.

2) Fuel Tank Strainer ..... 415-48081-1 ..... **$30.04**

To be used in the fuel tank outlet. This strainer measures ⅜" in diameter and 1⅞" long. It has brass end fittings that measure 5/16" in outside diameter up to the collar, which has a 7/16" outside diameter.

3) Leather Gas Cap Gaskets ..... 13423 ..... **$4.87**

This leather gas cap gasket measures 2¼" outside diameter by 1½" inside diameter with a 3/32" thickness.

Fuel Valves

J-3 Fuel Valve

Fuel Valve Handle

Luscombe Fuel Valve

Kits below come with mounting hardware. Handles not included.

Description	Part #	Price
Stinson Fuel Valve Kit, For ½" Fuel Lines	108-9010076-12	**$608.29**
Stinson Fuel Valve Kit, For ⅜" Fuel Lines	108-9010076-38	**$608.29**
Cessna 120/140 Fuel Valve Handle	U0411716-003	**$75.81**
Cessna 120/140 Fuel Valve Kit	U0411716-500	**$628.18**
Luscombe 8 Series Fuel Valve (Valve Only)	U286094-000	**$529.89**
Luscombe 8E/8F Fuel Valve Kit	U286094-A	**$645.52**
Piper PA-18 Fuel Valve Kit	U491-947K	**$533.14**
Piper PA-20/PA-22 Fuel Valve Kit	U491-947K2	**$591.49**
Piper PA-18, -20, -22 Fuel Valve Handle	U61964-200	**$92.33**
Piper J-3 Fuel Valve	U70781-000	**$220.56**

Gascolators

Description	Part #	Price
Cessna Fuel Strainer	0422130	**$605.64**
Piper Strainer	16206-000	**$225.23**
Piper Gascolator	496-003	**$18.95**
Piper Strainer	757-668	**$0.50**
Stinson Fuel Tank Strainer	108-1121118	**$55.53**
Ercoupe Strainer	415-48055	**$34.83**
Ercoupe Fuel Tank Strainer	415-48081-1	**$30.04**
Ercoupe Strainer Assembly	415-48193	**$304.40**
Ercoupe Tank Strainer Assembly	F48108	**$144.36**
Ercoupe Strainer Assembly	F48236	**$187.29**
Piper Fuel Tank Strainer	U72091-000	**$76.36**
Piper Fuel Tank Strainer	U72091-005	**$113.23**

Complete Piper Gascolator

FAA-PMA APPROVED

- Applicability: Piper J-3, PA-11, PA-12, 14, 15, 16, 17, 18, 20, 22
- Metal bowl with quick drain

Gascolator ..... U14330-002 ..... **$331.37**

Gascolator for Larger ½" Fuel Lines

- ½" gascolator with metal bowl and quick drain
- Gascolator for use with ½" fuel lines similar to U14330-002 except with large head for ½" fuel system

Complete ½" Gascolator ..... 1702* **$455.08**
½" Gascolator Head ..... 1700* **$209.70**
½" Gascolator Screen ..... 1701 ..... **$9.96**

* Requires field approval or STC call out

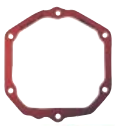
Miscellaneous Gascolator Parts

Stinson Valve to Strainer Tube Assembly ..... 108-6222100-52 ..... **$285.48**
Piper Tube Hose to Strainer, Left Tank ..... 11987-025 ..... **$30.15**
Stinson Fuel Strainer Gasket ..... 2212A **$5.46**
Aeronca Gascolator Support ..... 2-727 ..... **$51.11**
Ercoupe Gascolator Bracket ..... 415-48308-001 ..... **$51.49**
Cork Gascolator Gasket, 2" OD, ... LAT-08 ..... **$3.74**
Piper 2⅛" Fuel Strainer Bowl ..... U12764-000 ..... **$150.74**
Piper Gascolator Bail ..... U494-644 ..... **$78.39**
Piper Gascolator Mounting Bracket ..... U71991-000 ..... **$94.36**
Piper Gascolator Nut ..... U72302-003 ..... **$23.52**
Piper Gascolator Bail Wire ..... U750-268 ..... **$47.41**
Piper Gascolator Screen ..... U750-272 ..... **$3.18**
Piper Gascolator Bowl Seat ..... U750-273 ..... **$20.84**
Piper 2⅛" Gasket ..... U85012-032 ..... **$4.62**
Piper 2⅛" Gascolator Top ..... U87477-002 ..... **$135.42**

Gaskets

Real Gaskets Tennessee

REAL Gasket Corp.



- Made from aerospace mechanical grade AMS silicone
- 100% reusable
- Can withstand temperatures up to 400°F
- Designed to last the life of the engine

See our website for exact engine model applicability.

Franklin

Oil Pan Gasket ..... RG-10366 ..... **$42.00**
Valve Cover Gasket ..... RG-17727 ..... **$10.00**
Top Cover Gasket ..... RG-18532 ..... **$49.75**

Continental

Valve Cover Gasket ..... RG-530162 ..... **$10.00**
Valve Cover Gasket ..... RG-532451 ..... **$12.08**
Valve Cover Gasket ..... RG-534857 ..... **$11.78**
Valve Cover Gasket ..... RG-632310 ..... **$5.39**
Valve Cover Gasket ..... RG-632459 ..... **$5.05**

Lycoming

Valve Cover Gasket ..... RG-67193 ..... **$11.03**
Valve Cover Gasket ..... RG-71450 ..... **$13.13**
Valve Cover Gasket ..... RG-75906 ..... **$10.00**

Lubricant

AVBLEND Lubricant

AVBLEND

- The only FAA approved pure lubricant
- Control damaging rust and corrosion in your engine
- Provide positive lubrication and prevent dry engine starts
- Keep new and rebuilt engines dimensionally correct
- Control critical engine temperatures
- Prevent unnecessary maintenance expense caused by premature wear
- Restore performance to engines with accumulated hours

12 Ounce Can, Single ..... AVBLEND-1 ..... **$19.95**
12 Ounce Can, Pack of 4 ..... AVBLEND-4 ..... **$74.00**

Lycoming Engine Parts

Find hundreds of parts for Lycoming engines on our website.

Oil Screen Gasket ..... 61173 ..... **$2.40**
Gasket ..... 71973 ..... **$1.84**
Valve Cover Gasket ..... 06B26669 ..... **$9.40**
Stud ..... 31C-12 ..... **$10.00**
Belt ..... 37B19774-325 ..... **$120.96**
Connecting Rod Nut ..... LW12186 ..... **$7.85**
Hose ..... STD-1196 ..... **$5.96**
Nut ..... STD-1410 ..... **$3.20**
Nut ..... STD-1411 ..... **$3.64**
Bolt ..... STD-1414 ..... **$5.16**
Bolt ..... STD-1416 ..... **$6.72**
Washer ..... STD-160 ..... **$2.40**
Screw ..... STD-1925 ..... **$3.80**
Hose ..... STD-2180 ..... **$9.10**
Washer, 5/16" ..... STD-475 ..... **$1.44**
Washer, ¼" ..... STD-8 ..... **$2.45**

Engine Mount Bushings

- 8 each required
- Priced and sold individually

Without collar *With collar*

Bushing Without Collar ..... 60883 ..... **$39.24**
Bushing With Collar ..... 71032 ..... **$16.16**
Bushing Washer ..... STD-619 ..... **$15.60**

Blo-Proof Spiral Wound Gaskets

- These special gaskets are V-shaped spirals wound with layers of stainless steel

For Lycoming engines IO-540; IO-540-B, -E, -M, -WD; IGO-540-B; IGSO-540-B; TIO-540, -541 and TGIO-541 (65321) ..... LW15486 ..... **$29.14**
For all remaining Lycoming engines (75118) ..... 77611 ..... **$13.20**

Magnetos

Always refer to the parts and service manual of the original equipment manufacturer, or to Aircraft Type Certificate Data Sheets or other FAA approved data, to determine eligibility of a part or component for use in your application.

Bendix High Tension Terminal Kit

For converting Bendix S6 series magnetos to a shielded system, you will need a High Tension Terminal Kit. Part numbers are in the chart below. Ground Terminal Kit part numbers may also be found on this chart.

6 Cylinder

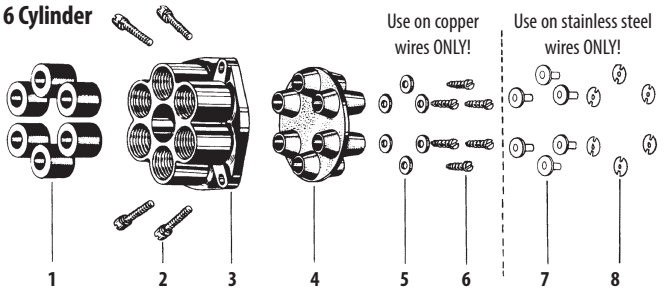


Fig # / Description	# Req'd	Part #	Price
1) Cable Protection Grommet [1]	6	10-52934	**$7.23**
2) Screw and Lock Washer (Cable Outlet Plate)	4	10-35937-10	**$1.37**
3) Cable Outlet Plate (Threaded Outlets)	1	10-50766	**$75.08**
4) Cable Outlet Grommet	1	10-50771	**$26.72**
5) Plain Washer [2]	6	10-8785	**$0.96**
6) High Tension Cable Screw	6	10-14215	**$2.74**
7) High Tension Cable Contact Eyelet [3]	6	10-163012	**$2.82**
8) Washer [4]	6	10-51677	**$9.79**

[1] Used with non-shielding installations
[2] Used only with copper conductor cable
[3] Used only with stainless steel conductor cable
[4] Alternate method of securing stainless steel wires

Magneto Terminal Kits

Each magneto requires a **High Tension Terminal Kit** and a **Ground Terminal Kit** to complete installation.

			Terminal Kits	
Type	**Mag Ref #**	**Replaces Part #**	**High Tension**	**Ground**
S6LN-20	10-51365-31	10-51365-15	10-52936	10-52305-1
S6LN-20	10-51360-33	10-51365-25		
S6LN-20	10-51365-43	10-51365-17		
S6LN-20	10-51365-44	10-51365-29		
S6LN-20	10-51365-46	10-51365-27		
S6LN-21	10-51365-32	10-51365-20	10-52936	10-52305-1
S6LN-21	10-51365-39	10-51365-1		
S6LN-21	10-51365-42	10-51365-16		
S6LN-21	10-51365-45	10-51365-30		
S6LN-21	10-51365-47	10-51365-28		
S6RN-21	10-51365-34	10-51365-26	10-52936	10-52305-1
S6RN-21	10-51365-35	—		
S6RN-21	10-51365-40	10-51365-2, -13		
S6RN-21	10-51365-48	10-51365-7, -14		
S6RN-21	10-51365-41	10-51365-5	10-52936	10-52306
S6LN-22	10-52350-22	10-52350-14, -17	10-52936	10-52306
S6LN-23	10-52350-20	10-52350-6	10-52936	10-52306
S6RN-23	10-52350-19	10-52350-2	10-52936	10-52306
S6RN-23	10-52350-21	10-52350-8		
S6RN-23	10-52350-23	10-52350-15,-18		
S6RN-25	10-79020-8	10-79020-2, -5	10-52936	10-52305-1
S6RN-26	10-85290-2	Not Changed	10-52936	10-52305-1

High Tension Terminal Kit ..... 10-52936 ..... **$106.70**
Ground Terminal Kit ..... 10-52305-1 ..... **$71.03**
Ground Terminal Kit ..... 10-52306 ..... **$107.74**

Inductor Magneto Synchronizers

- Powered by 9 volt battery
- Utilizes latest digital integrated circuitry
- LED lights reduce battery drain
- Compact size: ¾" x 3" x 5", 9 ounces
- Anodized aluminum casing will not melt or break
- Models with a tweeter provide audio as well as visual indication of operation

Single Magneto Synchronizer with Tweeter ..... AA003 ..... **$87.00**
Dual Magneto Synchronizer with Tweeter ..... AA004 ..... **$94.50**

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Monday-Friday 7:30 a.m. – 4:30 p.m. MT

Manuals

Eisemann Manual

The Eisemann magnetos manual contains service and overhaul information, exploded views and parts listings.

Eisemann LA Series Magnetos Handbook and Instructions..... E-LAHB **$22.37**

Continental Engine Manuals

Continental Owners Manuals

A and C Series, 4-cylinder, Owners Manual..... AC4WM **$13.42**
A and C Series, 6-cylinder, Owners Manual..... AC6WM **$13.42**
C Series, 6-cylinder, Owners Manual..... C6WM **$13.42**
O Series, 6-cylinder, Owners Manual..... CO6WM **$13.42**

Franklin Engine Manuals

Service Parts List, 6A4-150-B3 and 6A4-145-A3..... F150PM **$23.36**
Service Parts List, 6A4-165-B3/B31..... F165PM **$23.36**
Service Manual, 6A4-150-B3/B31 and 6A4-165-B3..... FESM **$29.82**
Service Bulletins and Letters..... FESB **$63.62**

Lycoming Engine Manuals

Lycoming Operators Manuals

O-320, IO-320, AIO-320 and LIO-320 Series..... 60297-16 ..... **$23.11**
O-360 "76" Series..... 60297-25 ..... **$42.00**
O-320 Series..... 60297-30 ..... **$45.00**

Lycoming Parts Manuals

O-145 and GO-145 Instructions and Parts Manual and Magneto Section..... L145PM **$25.35**
O-290-D Series..... PC102-1 ..... **$63.00**
Model O-340..... PC105 ..... **$52.50**
O-320-B and O-320-D..... PC203-2 ..... **$63.00**

Oil Filters

Please refer to the **Champion Oil Filter Application Chart** for exact aircraft and engine model application. This chart can be found on our website.

Champion Oil Filter • Cessna, Mooney, Piper..... CH48103-1..... **$57.95**
Champion Oil Filter • Cessna, Beech, Piper..... CH48109-1..... **$65.85**
Champion Oil Filter • Cessna, Bellanca, Mooney, Piper..... CH48110-1..... **$57.35**
Champion Oil Filter • Cessna..... CH48111-1..... **$59.48**
Champion Oil Filter Element..... CF0100-1..... **$35.26**

Spark Plugs

Advanced-engineered Champion aviation spark plugs are designed for the critical difference in performance, far beyond the ordinary. They stand up to high temperatures, pressures, and lead deposits, with a performance second to none.

- All spark plugs below are shielded unless otherwise noted
- An application guide listing exact engine application can be downloaded from our website
- For spark plugs not listed below, please call for price and availability

Spark Plug	Engine	Part #	Price
Unshielded, Male	C, L, P	M41E	**$127.81**
⅝"-24, Standard Massive	C, F	REJ38	**$117.64**
⅝"-24, Standard Massive	F	REL37B	**$132.35**
⅝"-24, Standard Massive	C, L, P	REM37BY	**$61.00**
⅝"-24, Standard Massive	C, L	REM38E	**$53.43**
⅝"-24, Fine Wire	C, L, P	REM38S	**$211.10**
⅝"-24, Standard Massive	C, L, P	REM40E	**$58.83**
¾"-20, Standard Massive	C, F, L, P	RHB32E	**$62.17**
¾"-20, Fine Wire	C, F, L, P	RHB36S	**$153.24**
¾"-20, Standard Massive	C, F, L, P	RHB37E	**$57.95**
¾"-20, Standard Massive	C, L	RHM38E	**$48.09**
¾"-20, Fine Wire	C, L, P	RHM38S	**$153.24**
¾"-20, Standard Massive	C, L, P	RHM40E	**$58.83**

Engine Key:
C = Continental F = Franklin L = Lycoming P = Pratt & Whitney

Shielded Ignition Leads

How To Select the Correct Ignition Lead Model

To order the correct lead, select the ignition lead model from the table below based on your magneto type.

Magneto	Spark Plug 5/8 x 24
Eisemann LA-4	Use model 102
Eisemann LA-6	Use model 102
Scintilla SF-4 Series	Use model 104
Scintilla SF-6 Series	Use model 104
Scintilla S4 Series with Threaded Cap	Use model 101
Scintilla S6 Series with Threaded Cap	Use model 101

Example: An engine with 5/8 x 24 spark plugs and a Scintilla S6 series magneto with threaded cap uses a 101 model lead.

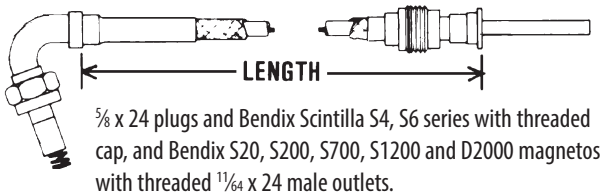
NOTE: Threaded high tension terminal plates must be used when upgrading from unshielded to shielded ignition leads. See page 186 for Bendix Magneto details.

Find the Right Lead Length

If you are replacing an existing lead, measure the exact length, **ferrule-to-ferrule**, and use this as the last part of your order number. Leads are manufactured in 3" increments from 19" to 60".

Example: If you need a 101 series lead and the ferrule-to-ferrule measurement is 33" long, the Univair part number would be 101-33.

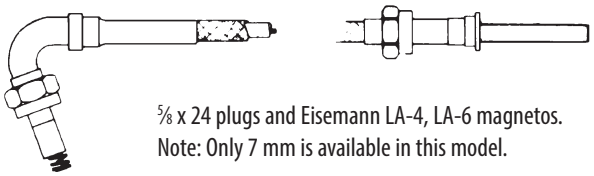
Model 101



5/8 x 24 plugs and Bendix Scintilla S4, S6 series with threaded cap, and Bendix S20, S200, S700, S1200 and D2000 magnetos with threaded 11/64 x 24 male outlets.

- Elbow Design: 5/8 x 24, 70°
- Terminal Design – Spark Plug End: Standard glazed ceramic 9/16 insulator, silicone rubber grommet
- Terminal Design – Magneto End: 11/16 x 24 male thread square head nut
- Wire Size and Type: 7 mm shielded
- Availability (in 3" increments): 101-15 through 101-72

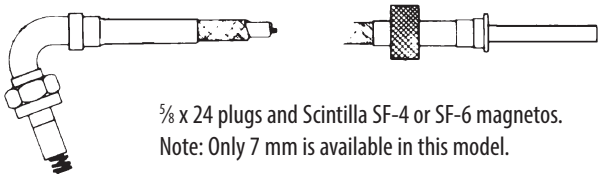
Model 102



5/8 x 24 plugs and Eisemann LA-4, LA-6 magnetos.
Note: Only 7 mm is available in this model.

- Elbow Design: 5/8 x 24, 70°
- Terminal Design – Spark Plug End: Standard glazed ceramic 9/16 insulator, silicone rubber grommet
- Terminal Design – Magneto End: 11/16 x 24 female thread hex head nut
- Wire Size and Type: 7 mm shielded
- Availability (in 3" increments): 102-21 through 102-69

Model 104



5/8 x 24 plugs and Scintilla SF-4 or SF-6 magnetos.
Note: Only 7 mm is available in this model.

- Elbow Design: 5/8 x 24, 70°
- Terminal Design – Spark Plug End: Standard glazed ceramic 9/16 insulator, silicone rubber grommet
- Terminal Design – Magneto End: 3/4 x 18 female thread knurled round nut
- Wire Size and Type: 7 mm shielded
- Availability (in 3" increments): 104-21 through 104-54, 104-60 through 104-69

Price and availability subject to change without notice • Univair's Toll Free Sales: 1-888-433-5433

Routing Charts

To determine your requirement:
- **Check your spark plug**
- **Check your magneto**
- **Check the chart under your engine model**

All the information to assist you in determining your need is given in the charts below and the preceding page.

The length of the lead is shown in the chart under your specific engine. Length is measured **ferrule-to-ferrule**, with length designated after the dash in the part number. Example: Part number 101-42 is a 42" lead. Make selection of as many leads as your engine requires.

Price chart on page 192

Continental Engines

Engine Model A50, A65, A75, A80

Bendix S4RN-20, S4RN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-24	102-24	104-24
T2	3L	101-36	102-36	104-36
T3	2R	101-30	102-30	104-30
T4	4L	101-33	102-33	104-33
B1	1L	101-36	102-36	104-36
B2	3R	101-24	102-24	104-24
B3	2L	101-27	102-27	104-27
B4	4R	101-33	102-33	104-33
Lead Set		101-105	102-105	104-105

Engine Model CF75-12, -12F, -12FJ, C85-12F, -12FJ, C90-12, O200A

Bendix S4LN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-39	102-39	104-39
T2	3R	101-42	102-42	104-42
T3	2R	101-42	102-42	104-42
T4	4R	101-42	102-42	104-42
B1	1L	101-39	102-39	104-39
B2	3L	101-39	102-39	104-39
B3	2L	101-42	102-42	104-42
B4	4L	101-42	102-42	104-42
Lead Set		101-106	102-106	104-106

Engine Model C85-8, -8F, C90-8F, -8FJ

Bendix S4LN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-39	102-39	104-39
T2	3R	101-42	102-42	104-42
T3	2R	101-42	102-42	104-42
T4	4R	101-42	102-42	104-42
B1	1L	101-36	102-36	104-36
B2	3L	101-36	102-36	104-36
B3	2L	101-42	102-42	104-42
B4	4L	101-39	102-39	104-39
Lead Set		101-107	102-107	104-107

Engine Model C125, C145, O300

Bendix S6LN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-33	102-33	104-33
T2	4R	101-36	102-36	104-36
T3	3R	101-42	102-42	104-42
T4	6R	101-48	102-48	104-48
T5	5R	101-42	102-42	104-42
T6	2R	101-48	102-48	104-48
B1	1L	101-39	102-39	104-39
B2	4L	101-36	102-36	104-36
B3	3L	101-45	102-45	104-45
B4	6L	101-42	102-42	104-42
B5	5L	101-51	102-51	104-51
B6	2L	101-48	102-48	104-48
Lead Set		101-108	102-108	104-108

Engine Model GO-300A

Bendix S6RN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-36	102-36	104-36
T2	4R	101-39	102-39	104-39
T3	5R	101-39	102-39	104-39
T4	2R	101-51	102-51	104-51
T5	3R	101-45	102-45	104-45
T6	6R	101-54	102-54	104-54
B1	1L	101-36	102-36	104-36
B2	4L	101-33	102-33	104-33
B3	5L	101-48	102-48	104-48
B4	2L	101-42	102-42	104-42
B5	3L	101-51	102-51	104-51
B6	6L	101-48	102-48	104-48
Lead Set		101-109	102-109	104-109

Engine Model E165, E185, E225

Bendix S6LN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-36	102-36	104-36
T2	4R	101-42	102-42	104-42
T3	3R	101-45	102-45	104-45
T4	6R	101-51	102-51	104-51
T5	5R	101-48	102-48	104-48
T6	2R	101-48	102-48	104-48
B1	1L	101-36	102-36	104-36
B2	4L	101-33	102-33	104-33
B3	3L	101-45	102-45	104-45
B4	6L	101-45	102-45	104-45
B5	5L	101-51	102-51	104-51
B6	2L	101-45	102-45	104-45
Lead Set		101-110	102-110	104-110

Chart Symbol Definitions

Cylinder column: T = Top, B = Bottom
Magneto column: L = Left, R = Right

Prices on page 192

Engine Model E165, E185, E225 Crossfire

Bendix S6LN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-33	102-33	104-33
T2	4L	101-42	102-42	104-42
T3	3R	101-42	102-42	104-42
T4	6L	101-45	102-45	104-45
T5	5R	101-48	102-48	104-48
T6	2L	101-48	102-48	104-48
B1	1L	101-33	102-33	104-33
B2	4R	101-36	102-36	104-36
B3	3L	101-42	102-42	104-42
B4	6R	101-48	102-48	104-48
B5	5L	101-48	102-48	104-48
B6	2R	101-48	102-48	104-48
Lead Set		101-111	102-111	104-111

Engine Model O470-4, -11, -13A

Bendix S6LN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-33	102-33	104-33
T2	4L	101-39	102-39	104-39
T3	3R	101-42	102-42	104-42
T4	6L	101-45	102-45	104-45
T5	5R	101-48	102-48	104-48
T6	2L	101-51	102-51	104-51
B1	1L	101-42	102-42	104-42
B2	4R	101-42	102-42	104-42
B3	3L	101-48	102-48	104-48
B4	6R	101-51	102-51	104-51
B5	5L	101-54	102-54	104-54
B6	2R	101-54	102-54	104-54
Lead Set		101-112	102-112	104-112

Engine Model O470B, -J, -K, -L, -M, -R, etc., IO-470 Series, IO-520 Series

Bendix S6RN-25 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-18	102-18	104-18
T2	4L	101-18	102-18	104-18
T3	3R	101-18	102-18	104-18
T4	6L	101-18	102-18	104-18
T5	5R	101-21	102-21	104-21
T6	2L	101-21	102-21	104-21
B1	1L	101-36	102-36	104-36
B2	4R	101-36	102-36	104-36
B3	3L	101-36	102-36	104-36
B4	6R	101-33	102-33	104-33
B5	5L	101-39	102-39	104-39
B6	2R	101-39	102-39	104-39
Lead Set		101-113	102-113	104-113

Lycoming Engines

Engine Model O-235, O-290

Bendix S4LN-20, S4LN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-33	102-33	104-33
T2	3L	101-33	102-33	104-33
T3	2R	101-27	102-27	104-27
T4	4L	101-27	102-27	104-27
B1	1L	101-51	102-51	104-51
B2	3R	101-48	102-48	104-48
B3	2L	101-45	102-45	104-45
B4	4R	101-42	102-42	104-42
Lead Set		101-114	102-114	104-114

Engine Model O-320, O-340-A1A

Bendix S4LN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-33	102-33	104-33
T2	3L	101-33	102-33	104-33
T3	2R	101-27	102-27	104-27
T4	4L	101-24	102-24	104-24
B1	1L	101-51	102-51	104-51
B2	3R	101-48	102-48	104-48
B3	2L	101-45	102-45	104-45
B4	4R	101-42	102-42	104-42
Lead Set		101-115	102-115	104-115

Engine Model O-320A, -B, O-360

Bendix S4LN-20, S4LN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-36	102-36	104-36
T2	3L	101-36	102-36	104-36
T3	2R	101-30	102-30	104-30
T4	4L	101-30	102-30	104-30
B1	1L	101-54	102-54	104-54
B2	3R	101-51	102-51	104-51
B3	2L	101-48	102-48	104-48
B4	4R	101-45	102-45	104-45
Lead Set		101-116	102-116	104-116

Engine Model O-435A

Bendix S6LN-50, S6LN-51 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-33	102-33	104-33
T2	3L	101-33	102-33	104-33
T3	2R	101-27	102-27	104-27
T4	4L	101-27	102-27	104-27
T5	4L	101-21	102-21	104-21
T6	4L	101-21	102-21	104-21
B1	1L	101-51	102-51	104-51
B2	3R	101-54	102-54	104-54
B3	2L	101-48	102-48	104-48
B4	4R	101-51	102-51	104-51
B5	4R	101-45	102-45	104-45
B6	4R	101-48	102-48	104-48
Lead Set		101-117	102-117	104-117

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Chart Symbol Definitions

Cylinder column: T = Top, B = Bottom
Magneto column: L = Left, R = Right

Prices on page 192

Engine Model O-435-23

Bendix S6LN-20, S6RN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-27	102-27	104-27
T2	4L	101-27	102-27	104-27
T3	5R	101-21	102-21	104-21
T4	2L	101-18	102-18	104-18
T5	3R	101-15	102-15	104-15
T6	6L	101-21	102-21	104-21
B1	1L	101-60	102-60	104-60
B2	4R	101-63	102-63	104-63
B3	5L	101-57	102-57	104-57
B4	2R	101-60	102-60	104-60
B5	3L	101-60	102-60	104-60
B6	6R	101-51	102-51	104-51
Lead Set		101-118	102-118	104-118

Engine Model O-540

Bendix S6LN-20, S6RN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-45	102-45	104-45
T2	4L	101-45	102-45	104-45
T3	5R	101-39	102-39	104-39
T4	2L	101-39	102-39	104-39
T5	3R	101-36	102-36	104-36
T6	6L	101-30	102-30	104-30
B1	1L	101-54	102-54	104-54
B2	4R	101-54	102-54	104-54
B3	5L	101-48	102-48	104-48
B4	2R	101-45	102-45	104-45
B5	3L	101-42	102-42	104-42
B6	6R	101-42	102-42	104-42
Lead Set		101-119	102-119	104-119

Engine Model GO-480-C2D6, GO-480-C2

Bendix S6LN-20, S6LN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-45	102-45	104-45
T2	4L	101-42	102-42	104-42
T3	5R	101-36	102-36	104-36
T4	2L	101-36	102-36	104-36
T5	3R	101-27	102-27	104-27
T6	6L	101-30	102-30	104-30
B1	1L	101-69	102-69	104-69
B2	4R	101-72	102-72	104-72
B3	5L	101-63	102-63	104-63
B4	2R	101-66	102-66	104-66
B5	3L	101-54	102-54	104-54
B6	6R	101-63	102-63	104-63
Lead Set		101-120	102-120	104-120

Engine Model GSO-480-A1A-6

Bendix S6LN-20, S6LN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-33	102-33	104-33
T2	4L	101-30	102-30	104-30
T3	5R	101-27	102-27	104-27
T4	2L	101-24	102-24	104-24
T5	3R	101-24	102-24	104-24
T6	6L	101-21	102-21	104-21
B1	1L	101-63	102-63	104-63
B2	4R	101-57	102-57	104-57
B3	5L	101-57	102-57	104-57
B4	2R	101-57	102-57	104-57
B5	3L	101-60	102-60	104-60
B6	6R	101-57	102-57	104-57
Lead Set		101-121	102-121	104-121

Engine Model VO-435-A1B, -A1C, -A1D, GO-480-C1B, -C1B6, GSO-480-A1A, -A1A6

Bendix S6LN-20, S6RN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-33	102-33	104-33
T2	4L	101-30	102-30	104-30
T3	5R	101-24	102-24	104-24
T4	2L	101-21	102-21	104-21
T5	3R	101-21	102-21	104-21
T6	6L	101-15	102-15	104-15
B1	1L	101-66	102-66	104-66
B2	4R	101-66	102-66	104-66
B3	5L	101-57	102-57	104-57
B4	2R	101-63	102-63	104-63
B5	3L	101-57	102-57	104-57
B6	6R	101-57	102-57	104-57
Lead Set		101-122	102-122	104-122

Engine Model GO-435-C2, -C2B, GO-480-F6

Bendix S6LN-50, S6LN-51 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-36	102-36	104-36
T2	4L	101-36	102-36	104-36
T3	5R	101-30	102-30	104-30
T4	2L	101-30	102-30	104-30
T5	3R	101-24	102-24	104-24
T6	6L	101-27	102-27	104-27
B1	1L	101-66	102-66	104-66
B2	4R	101-69	102-69	104-69
B3	5L	101-63	102-63	104-63
B4	2R	101-66	102-66	104-66
B5	3L	101-60	102-60	104-60
B6	6R	101-66	102-66	104-66
Lead Set		101-123	102-123	104-123

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Franklin Engines

Engine Model 6A4-150-B3, -B31

Bendix S6RN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-42	102-42	104-42
T2	4L	101-45	102-45	104-45
T3	5R	101-45	102-45	104-45
T4	2L	101-51	102-51	104-51
T5	3R	101-48	102-48	104-48
T6	6L	101-54	102-54	104-54
B1	1L	101-36	102-36	104-36
B2	4R	101-30	102-30	104-30
B3	5L	101-45	102-45	104-45
B4	2R	101-42	102-42	104-42
B5	3L	101-51	102-51	104-51
B6	6R	101-45	102-45	104-45
Lead Set		101-124	102-124	104-124

Engine Model 6A4-165-B3

Bendix S6RN-21 • Plug Nut ⅝ x 24

Cylinder	Magneto	101 Lead	102 Lead	104 Lead
T1	1R	101-36	102-36	104-36
T2	4L	101-39	102-39	104-39
T3	5R	101-39	102-39	104-39
T4	2L	101-48	102-48	104-48
T5	3R	101-42	102-42	104-42
T6	6L	101-48	102-48	104-48
B1	1L	101-30	102-30	104-30
B2	4R	101-24	102-24	104-24
B3	5L	101-42	102-42	104-42
B4	2R	101-36	102-36	104-36
B5	3L	101-45	102-45	104-45
B6	6R	101-39	102-39	104-39
Lead Set		101-125	102-125	104-125

Prices for Shielded Ignition Leads

101-15	**$69.05**
101-18	**$69.05**
101-21	**$69.05**
101-24	**$95.68**
101-27	**$116.07**
101-30	**$116.18**
101-33	**$92.79**
101-36	**$96.08**
101-39	**$103.12**
101-42	**$106.47**
101-45	**$116.07**
101-48	**$103.10**
101-51	**$120.97**
101-54	**$108.57**
101-57	**$69.05**
101-60	**$73.96**
101-61	**$73.96**
101-63	**$73.96**
101-69	**$73.96**
101-72	**$95.09**
101-105	**$527.82**
101-106	**$527.82**
101-107	**$588.97**
101-108	**$751.99**
101-109	**$784.60**
101-110	**$784.60**
101-111	**$784.60**
101-112	**$784.60**
101-113	**$784.60**
101-114	**$527.82**
101-115	**$527.82**
101-116	**$527.82**
101-117	**$784.60**
101-118	**$784.60**
101-119	**$784.60**
101-120	**$731.62**
101-121	**$580.81**
101-122	**$662.33**
101-123	**$588.97**
101-124	**$784.60**
101-125	**$784.60**
102-15	**$87.16**
102-18	**$105.14**
102-21	**$84.92**
102-24	**$116.07**
102-27	**$118.36**
102-30	**$116.07**
102-33	**$95.03**
102-36	**$94.61**
102-39	**$106.28**
102-42	**$106.21**
102-45	**$70.18**
102-48	**$70.18**
102-51	**$93.98**
102-54	**$70.18**
102-57	**$70.18**
102-60	**$70.18**
102-63	**$70.18**
102-65	**$70.18**
102-66	**$70.18**
102-69	**$71.81**
102-72	**$70.18**
102-105	**$527.82**
102-106	**$527.82**
102-107	**$527.82**
102-108	**$813.13**
102-109	**$813.13**
102-110	**$813.13**
102-111	**$813.13**
102-112	**$813.13**
102-113	**$813.13**
102-114	**$527.82**
102-115	**$527.82**
102-116	**$527.82**
102-117	**$813.13**
102-118	**$813.13**
102-119	**$813.13**
102-120	**$813.13**
102-121	**$813.13**
102-122	**$813.13**
102-123	**$813.13**
102-124	**$813.13**
102-125	**$813.13**
104-14	**$69.05**
104-15	**$69.05**
104-18	**$69.05**
104-19	**$69.05**
104-21	**$89.33**
104-22	**$69.05**
104-24	**$105.13**
104-25	**$89.33**
104-27	**$105.34**
104-28	**$89.33**
104-30	**$120.81**
104-33	**$108.07**
104-36	**$118.26**
104-39	**$118.26**
104-42	**$85.13**
104-45	**$69.05**
104-48	**$69.05**
104-51	**$106.47**
104-54	**$92.75**
104-57	**$69.05**
104-60	**$69.05**
104-63	**$71.81**
104-66	**$69.05**
104-69	**$69.05**
104-72	**$104.94**
104-105	**$527.82**
104-106	**$527.82**
104-107	**$527.82**
104-108	**$784.60**
104-109	**$784.60**
104-110	**$784.60**
104-111	**$784.60**
104-112	**$713.27**
104-113	**$713.27**
104-114	**$527.82**
104-115	**$527.82**
104-116	**$485.86**
104-117	**$784.60**
104-118	**$784.60**
104-119	**$784.60**
104-120	**$813.13**
104-121	**$784.60**
104-122	**$784.60**
104-123	**$731.62**
104-124	**$784.60**
104-125	**$784.60**

Throttle Controls

A-700 Button Lock Dash Control with Solid Wire End

Provides a 10-lb locking force for light and medium service applications. Anodized aluminum knob with aluminum release button. Manufactured with .062-inch diameter stainless steel wire core in flexible metal casing. May be shortened as required.

40″ Length, Black Knob	A700-10-0400	**$70.59**
44″ Length, Black Knob	A700-10-0440	**$75.43**
48″ Length, Black Knob	A700-10-0480	**$103.61**
60″ Length, Black Knob	A700-10-0600	**$115.99**
72″ Length, Black Knob	A700-10-0720	**$102.48**
40″ Length, Red Knob	A700-20-0400	**$150.22**
60″ Length, Red Knob	A700-20-0600	**$99.00**
72″ Length, Red Knob	A700-20-0720	**$102.48**
108″ Length, Red Knob	A700-20-1080	**$132.30**

A-730 Push-Pull Control with Solid Wire End

Basic push-pull control and glide-free action, with solid wire end. Ideal for cabin and carburetor heat, or fresh air controls. May be cut to the specific length you require for your particular application.

60″ Length, Black Knob	A730-10-0600	**$80.01**
72″ Length, Black Knob	A730-10-0720	**$82.11**
90″ Length, Black Knob	A730-10-0900	**$143.92**
126″ Length, Black Knob	A730-10-1260	**$108.36**
144″ Length, Black Knob	A730-10-1440	**$83.96**
60″ Length, Red Knob	A730-20-0600	**$68.99**

A-740 Ratchet Control with Solid Wire End

Ratchet design provides detented positions under vibration conditions. Simple push-pull operation. The .050-inch diameter straight wire end may be shortened as required. A special coiled wire end for easy attachment is also available.

60″ Length, Black Knob	A740-10-0600	**$71.17**
72″ Length, Black Knob	A740-10-0720	**$84.77**
60″ Length, Red Knob	A740-20-0600	**$71.17**
72″ Length, Red Knob	A740-20-0720	**$72.94**

A-750 Vernier Control with 10-32 Threaded End

A-750 control has 10-32 threaded shaft for use with ball joint or AN665-21R threaded terminal. Ball-socket construction lets the threaded end swivel 8° in any direction. Measured from under panel nut to end of threaded shaft with knob pushed in.

29″ Length, Black Knob	A750-10-0290	**$105.98**
33″ Length, Black Knob	A750-10-0330	**$100.09**
44″ Length, Black Knob	A750-10-0440	**$168.07**
48″ Length, Black Knob	A750-10-0480	**$113.21**
52.75″ Length, Black Knob	A750-10-0526	**$182.45**
53″ Length, Black Knob	A750-10-0530	**$103.98**
60″ Length, Black Knob	A750-10-0600	**$117.94**
72″ Length, Black Knob	A750-10-0720	**$105.95**
132″ Length, Black Knob	A750-10-1320	**$130.75**
144″ Length, Black Knob	A750-10-1440	**$172.76**
42″ Length, Red Knob	A750-20-0420	**$189.49**
48″ Length, Red Knob	A750-20-0480	**$113.21**
53″ Length, Red Knob	A750-20-0530	**$175.66**
60″ Length, Red Knob	A750-20-0600	**$117.94**
72″ Length, Red Knob	A750-20-0720	**$122.67**
28.75″ Length, Blue Knob	A750-30-0287	**$149.34**
48″ Length, Blue Knob	A750-30-0480	**$133.00**
60″ Length, Blue Knob	A750-30-0600	**$138.60**
71″ Length, Blue Knob	A750-30-0710	**$105.95**
216″ Length, Blue Knob	A750-30-2160	**$258.09**

A-790 Vernier Control with Solid Wire End

The A-790 control has a .078-inch diameter stainless steel wire core. Both the wire core and the flexible steel casing may be shortened as required.

60″ Length, Black Knob	A790-10-0600	**$121.09**
72″ Length, Black Knob	A790-10-0720	**$93.13**
48″ Length, Red Knob	A790-20-0480	**$137.13**
60″ Length, Red Knob	A790-20-0600	**$121.09**
72″ Length, Red Knob	A790-20-0720	**$147.91**

A-800 Friction Lock Control with 10-32 Threaded End

A fine quality control made to exacting aircraft standards. Provides positive lock throughout selected power setting by turning the chrome collect locking nut. Unique ball-socket construction permits the 10-32 threaded end to swivel 8° in any direction.

33″ Length, Black Knob	A800-10-0330	**$101.53**
36″ Length, Black Knob	A800-10-0360	**$125.40**
37.375″ Length, Black Knob	A800-10-0373	**$114.79**
42″ Length, Black Knob	A800-10-0420	**$110.17**
44″ Length, Black Knob	A800-10-0440	**$109.76**
48″ Length, Black Knob	A800-10-0480	**$152.46**
52.6″ Length, Black Knob	A800-10-0526	**$103.32**
60″ Length, Black Knob	A800-10-0600	**$143.22**
72″ Length, Black Knob	A800-10-0720	**$162.05**
48″ Length, Red Knob	A800-20-0480	**$93.74**

A-920 Push-Pull Controls for Quadrants

Push-pull controls with flexible metal casings designed for use with throttle quadrants. Sold without knobs.

53″ Length, No Knob	A920-0530	**$169.70**
72″ Length, No Knob	A920-0720	**$127.89**
80″ Length, No Knob	A920-0800	**$169.70**

A-970 Vernier Control with ¼-28 Threaded End

The A-970 control is similar to the Model A-750 but with ¼-28 threaded end (non-swiveling). Measurement taken from under panel nut end of threaded shaft with knob pushed in.

36″ Length, Black Knob	A970-10-0360	**$110.08**
40″ Length, Black Knob	A970-10-0400	**$203.98**
48″ Length, Black Knob	A970-10-0480	**$125.18**
60″ Length, Black Knob	A970-10-0600	**$114.03**
72″ Length, Black Knob	A970-10-0720	**$158.76**
90″ Length, Black Knob	A970-10-0900	**$111.03**

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INSTRUMENTS • GAUGES

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See more instruments on our website.

Ammeters

Deluxe Ammeter (Lighted)

- 30-0-30 amps
- 12 volts
- 2 1/16" diameter case
- Light, mounting bracket, and instructions included

Deluxe Ammeter ..... 82310 ..... **$78.38**

Standard Ammeter (Non-lighted)

- 2 1/16" diameter case
- 12 volts
- Mounting bracket and instructions included

Ammeter, 30-0-30 amps ..... 82200 ..... **$73.13**
Ammeter, 60-0-60 amps ..... 82311 ..... **$66.50**

Compasses

Airpath Compasses

- All Airpath compasses meet FAA TSO-C7c requirements
- Descriptions on our website contain additional product information as well as aircraft applicability charts

C-2200 Series

Specifically designed for and fit the Cessna aircraft "bonded bracket" for installation requirements. C-2200 series compass models have an 8-32UNC threaded rivnut installed on the rear for securing during installation.

White-on-Black Markings, Red Light, 12 VDC ..... C-2200-L4 ..... **$342.61**
White-on-Black Markings, White Light, 12 VDC ..... C-2200-L4B **$404.82**

C-2300 Series

Designed for panel-mount installation on four holes (0.170" diameter) equally spaced about a 2 5/8" mounting circle. Each compass comes with a deviation card, deviation card window, and a deviation card holder easily mounted near the compass for easy reference.

White-on-Black Markings, Non-Lighted ..... C-2300 ..... **$267.32**
White-on-Black Markings, Red Light, 24 VDC ..... C-2300-DL4 ..... **$232.86**
White-on-Black Markings, Red Light, 12 VDC ..... C-2300-L4 ..... **$305.18**

C-2350 Series

Designed for bracket mounting installation. Each model is provided with a deviation card, deviation card window, and a deviation card holder unless there is a card holder already mounted on the factory installed bracket.

White-on-Black Markings, Red Light, 12 VDC ..... C-2350-L4 ..... **$208.73**
White-on-Black Markings, Red Light, 12 VDC ... C-2350L4M23-12V **$240.63**
White-on-Black Markings, White Light, 12 VDC .... C-2350L4M-23B **$217.28**
Luminescent Markings, Red Light, 12 VDC ..... C2350L4M23VF **$193.98**

C-2400 Series

Designed for installation either for streamline type bracket housing or a pedestal type housing. Each model is provided with mounting hardware, deviation card, deviation card window and either an attached deviation card holder or standard unattached card holder depending on the application.

White-on-Black Markings, Red Light, 12 VDC ..... C-2400-L4P **$338.18**
White-on-Black Markings, Red Light, 12 VDC ..... C-2400-L4VT **$383.08**
White-on-Black Markings, Red Light, 24 VDC ..... C-2400L4VT-1A **$140.96**
White-on-Black Markings, Red Light, 24 VDC ... C2400L4VW310RG **$459.19**

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Compass Repair Kit

- Compass repair kit by J&M Aircraft Supply
- We recommend installation by a certified instrument repair station

JMCRK **$18.35**

Airpath Compass Parts

Diaphragm	C21-100	**$21.68**
Deviation Card Holder	C23-805	**$2.97**
Deviation Card Holder Window	C23-806	**$1.50**
Deviation Card	C23-807	**$0.71**
Jewel Post	CB21-232	**$3.56**
Glass Compass Lens	CB21-913X	**$51.06**
Bezel Sealing Gasket	CB21-914H	**$10.45**
Bezel Spacer Gasket	CB21-915G	**$2.53**
Compass Fluid (Mineral Spirits), 1 Quart	PR10031	**$2.78**

Compass Correction Card

- Bristol board
- 6¼" wide by 4¾" high

AN5823-1 ..... **$2.88**

NOTES

Fuel Gauges

Stewart Warner offers these electrical and mechanical instruments with classic white-on-black graphics. They feature patented light rings for nighttime illumination, white pointers, 12 volts lamps, and low-profile, stainless steel, corrosion-resistant bezels.

Stewart Warner Fuel Level Gauges

Standard Fuel Level Gauge

- Illuminated face with white-on-black graphics; stainless steel bezel
- Size: 2⅛" diameter
- Gauge Range: Empty–½–Full
- Sending Unit: Electrical
- Mounting bracket and instructions included

Standard Fuel Level Gauge ..... 82211 ..... **$79.49**

Deluxe Fuel Level Gauge

- Illuminated face with white-on-black graphics; stainless steel bezel
- Size: 2⅛" diameter
- Gauge Range: Empty–½–Full
- Sending Unit: Electrical (sold separately below)
- Mounting bracket and instructions included

Deluxe Fuel Level Gauge ..... 82303 ..... **$102.98**

Fuel Level Sender

- 12 volt sender for use in 6" and 12" deep tanks
- Used with Deluxe Stewart Warner Fuel Level Gauge (#82303 above)

Left Arm ..... F-385-B..... **$73.08**
Right Arm ..... F-385-C..... **$69.63**

Stewart Warner Deluxe Fuel Pressure Gauges

- Illuminated face with white-on-black graphics; stainless steel bezel
- 2⅛" diameter case
- Scale: 1–10 PSI
- Mounting bracket and instructions included

Deluxe Fuel Pressure Gauge ..... 82319 ..... **$104.98**

- Illuminated face with white-on-black graphics; stainless steel bezel
- 2⅛" diameter case
- Scale: 2–30 PSI
- Mounting bracket and instructions included

Deluxe Fuel Pressure Gauge ..... 82320 ..... **$141.73**

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Miscellaneous Instruments

Clock

- Analog clock face
- 2" diameter
- 12 volt

CK7264-12 ..... **$180.48**

Stewart Warner Water Temperature Gauge

- Illuminated face with white-on-black graphics; stainless steel bezel
- 2⅛" diameter case
- Scale: 100-265° F
- Volt/Watt/Current: 12 V (Light)
- Includes mounting bracket and instructions

82326-72 ..... **$123.49**

Air Temperature Gauge

This thermometer has both Centigrade and Fahrenheit dial graduations. It can be installed through Plexiglas® windshield or cowling on most aircraft or through the center strip in the windshield.

2716A **$82.28**

Airborne Vacuum Regulator Valve

2H3-23 ..... **$3,649.34**

NOTES

Oil Gauges

Avox Oil Gauges

Oil Temperature Gauge

A quality built instrument of proven dependability. Furnished with all parts and fittings necessary for installation. Case and bezel dimensions are the same as Scott's oil pressure gauge. Two washers (sold separately) are available to adapt each instrument to panel holes from 2⅛" diameter to 2¾" diameter.

- Scale: 100–250 PSI
- Fits panel holes 2⅛" diameter to 2⅛" diameter
- Capillary tube: 5 feet long with gasket and adapter to fit ⅝-18 female thread

Avox Oil Temperature Gauge ..... 13340-00 ..... **CALL**
Generic Oil Temperature Gauge (RN2100) ..... 13340 ..... **CALL**
Adapter Washer ..... 2677 ..... **$3.39**

Oil Pressure Gauge

- Scale: 0–120 PSI
- Fits panel holes from 2⅛ to 2⅛" diameter
- ⅛" NPT thread, flared tube fitting connection
- Includes bracket and nuts
- Supersedes Scott RN-2550

Oil Pressure Gauge ..... 13343-01 ..... **CALL**

Stewart Warner Oil Gauges

Deluxe Oil Pressure Gauge

- Illuminated face with white-on-black graphics; stainless steel bezel
- 2⅛" diameter case
- Scale: 5-100 PSI
- Volt/Watt/Current: 12 V (Light)
- Mounting bracket and instructions included

Oil Pressure Gauge ..... 82323 ..... **$96.49**

Deluxe Oil Temperature Gauge

- Illuminated face with white-on-black graphics; stainless steel bezel
- 2⅛" diameter case
- Scale: 140–325°F
- Volt/Watt/Current: 12 V (Light)
- Mounting brackets, instructions, ½" adapter nut, and 72" length of tubing included

Oil Temperature Gauge..... 82327-72..... **$168.09**

Tachometers and Cables

Tachometers

AC Tachometer, C90 MKG ..... RT7-C90 ..... **$629.01**

Tachometer Cables

When ordering, specify make and model of tachometer installed in your plane and whether it is recording or non-recording type.

Application, Length	Part #	Price
Swift, Piper PA-18, 25", Recording	U1713-R250	**$155.45**
25", Non-Recording	TACH-25NR	**$149.94**
Piper PA-28, 26", Recording	U1713-R260	**$155.45**
Swift, Piper PA-28, 28", Recording	U1713-R280	**$155.45**
28", Non-Recording	TACH-28NR	**$149.94**
Piper J-3, 29.5", Recording	U1713-R295	**$175.30**
Piper PA-24, PA-28, 30", Recording	U1713-R300	**$175.30**
30", Non-Recording	TACH-30NR	**$169.79**
Piper J-3, 31", Recording	TACH-31	**$169.79**
31", Non-Recording	U1713-N310	**$175.30**
Cessna 120/140/170, Piper J-3, PA-12/18/20/22, Meyers, Taylorcraft BC12D		
32.5", Recording	U1713-R325	**$175.30**
33", Non-Recording	TACH-33NR	**$169.79**
34", Recording	TACH-34	**$169.79**
34", Non-Recording	U1713-N340	**$175.30**
35", Recording	U1713-R350	**$175.30**
35", Non-Recording	TACH-35NR	**$169.79**
Piper PA-24, 37.5", Recording	U1713-R375	**$175.30**
Piper PA-24, 42.5", Recording	U1713-R425	**$187.43**
Piper PA-24, Stinson 108 Series, 36", Recording	TACH-36	**$169.79**
36", Non-Recording	TACH-36NR	**$169.79**
Aeronca 15AC, Bonanza, Ercoupe, 38", Recording	TACH-38	**$169.79**
38", Non-Recording	TACH-38NR	**$169.79**
40", Non-Recording	TACH-40NR	**$181.91**
43", Recording	TACH-43	**$181.91**
43", Non-Recording	TACH-43NR	**$181.91**
Funk, 50", Recording	TACH-50	**$192.94**
50", Non-Recording	TACH-50NR	**$192.94**
Bellanca, 54", Recording	TACH-54	**$192.94**
54", Non-Recording	TACH-54NR	**$192.94**
Popular Sizes, 60", Recording	TACH-60	**$198.45**
60", Non-Recording	TACH-60NR	**$198.45**
72", Recording	TACH-72	**$198.45**
Piper PA-25, 147", Recording	TACH-147	**$314.21**

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Thermocouples

Description	Part #	Price
CHT Thermocouple Probe, 18 mm	86202	**$199.46**
Thermocouple Gasket, 14 mm	GC14MM	**$0.25**

Venturi

9" super venturi

4" venturi

2" and 4" Venturi

For use on airplanes without engine-driven vacuum system. 4" venturi will supply vacuum for one directional gyro or one artificial horizon; 2" venturi will supply a turn-and-bank.

2" Venturi ..... 2INCH-VENTURI **$87.07**
4" Venturi ..... 4INCH-VENTURI **$118.65**

9" Super Venturi

- Will provide vacuum for full gyro panel
- Can be used with pneumatic auto-pilot
- Requires a vacuum regulator

9" Super Venturi ..... 9INCH-VENTURI **$121.80**
Venturi Gasket, ⅛" thick ..... 2200 ..... **$1.40**

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Concorde Batteries

Aircraft Application Guide for Concorde Batteries

The applicability data in the chart below is basic. Please contact Univair for exact make/model applicability prior to purchasing a battery. Some installations may require airframe or battery box modifications. Local field approval, logbook entry, or STC may also be required. This is not a complete listing of all available applications.

Aircraft Make/Model	Concorde Battery
AMERICAN CHAMPION (AERONCA, CITABRIA)	
7ECA, 7GCAA, 7KCAB, 8GCBC, 8KCAB	RG-25
CESSNA	
120, 140, 140A 150 and 152 Series 170 thru 177 Series 180 thru 188 Series 190 and 195 Series 206, 207, 210 Series 303, 305, 310, 320, 335, 337, 340 Series 401, 402, 404, 411, 414, 421 Series	RG-25 RG-25XC RG-35 RG-35AXC
MAULE	
M-4, M-5, M-6, M-7, M-8, MT-7, MX-7, MXT-7	RG-35A RG-35AXC
MOONEY	
M20, M20A through G, M20J (S/N 24-0001 to 24-2999), M20K (S/N 25-0001 to 25-0999)	RG-35AXC
PIPER	
PA-12, PA-18, PA-18A, PA-19 PA-20, PA-22, PA-23, PA-24, PA-25, PA-28 PA-30, PA-31, PA-32, PA-34, PA-36, PA-38, PA-39 PA-40, PA-44, PA-46, PA-60, PA-400	RG-25 RG-25XC RG-35A RG-35AXC
UNIVAIR	
Ercoupe 415 Series Forney F-1A Alon A-2, A-2A Mooney M-10	RG-25
Stinson 108, 108-1, -2, -3, -5	RG-35A

RG-25 Battery

- Voltage: 12 volts
- Rated Capacity: 22.00Ah
- IPP (23°C/74°F): 700A
- IPR (23°C/74°F): 500A
- Dimensions: 5.18"L x 7.71"W x 6.81"H
- Weight: 22.75 lb

Concorde Battery ..... RG-25 ..... **$368.00**

RG-25XC Battery

- Voltage: 12 volts
- Rated Capacity: 24.00Ah
- IPP (23°C/74°F): 850A
- IPR (23°C/74°F): 600A
- Dimensions: 5.18"L x 7.71"W x 6.81"H
- Weight: 23.5 lb

Concorde Battery ..... RG-25XC **$429.00**

RG-35A Battery

- Voltage: 12 volts
- Rated Capacity: 29.00Ah
- IPP (23°C/74°F): 1000A
- IPR (23°C/74°F): 800A
- Dimensions: 5.17"L x 9.78"W x 6.83"H
- Weight: 29.5 lb

Concorde Battery ..... RG-35A **$479.00**

RG-35AXC Battery

- Voltage: 12 volts
- Rated Capacity: 33.00Ah
- IPP (23°C/74°F): 1200A
- IPR (23°C/74°F): 900A
- Dimensions: 5.17"L x 9.78"W x 6.83"H
- Weight: 32 lb

Concorde Battery ..... RG-35AXC **$512.00**

Power Supplies

Description	Part #	Price
Whelen Power Supply with Military Connectors	01-0790079-04	**$1,464.84**
Whelen Power Supply, 2 Outlet, 28V	01-0770899-00	**$760.50**

Whelen Power Supply – Model HDA-CF

The HDA-CF is the finest power supply system available. It has the capacity for simultaneous flashing, alternate flashing, or both. A 2-light system alternate flashing produces 25 joules to each light. A 2-light system simultaneous flashing produces 12 joules to each light. A 3-light system produces 12 joules to each simultaneous light, and 25 joules to the third light. A 4-light system produces 12 joules of energy to each light. The HDA-CF requires a special 3-conductor cable cord routed from the power supply to the light assemblies.

Specifications: Power Consumption: 7.0 amps @ 14 volts DC, 3.5 amps @ 28 volts DC • Weight: 3 lb • Length: 5.5" • Width: 5" • Height: 3.25" • Flash Rate: Alternately at 90+/- 5FPM, Simultaneously at 50 +/- 5FPM

Power Supply HDA-CF ..... A413AHDA-CF **$955.50**

Recommended Components – Priced and Sold Separately

For 2 Lights: (x1) 60 Foot Wiring Installation Package ..... HD-60 ..... **$204.36**
For 3 Lights: (x1) 90 Foot Wiring Installation Package ..... HD,T3-90 ..... **$280.80**
For 4 Lights: (x2) 60 Foot Wiring Installation Packages ..... HD-60 ..... **$204.36**

See our website for complete list of components included in each kit.

Whelen Power Supply – Model HT-CF

FAA-PMA APPROVED

Whelen's most compact, single-source power supply produces an accumulated 19 joules of energy.

Specifications: Power Consumption: 1.7 amps @ 14 volts DC, .85 amps @ 28 volts DC • Weight: 1.2 lb • Length: 5.0" • Width: 3.12" • Height: 2.25" • Flash Rate: 50+/-5FPM

Power Supply HT-CF ..... A490T-CF-14/28 ..... **$877.50**

Whelen Power Supply – Model HTS-CF

The HTS-CF produces an estimated 34 joules of energy. It can be equipped to flash simultaneously with up to 5 other HTS-CF power supplies by connecting an 18 gauge wire between the synchronization mechanisms in each power supply. An 18 gauge low voltage wire supplies power to each HTS power supply.

Specifications: Power Consumption: 4.0 amps @ 14 volts DC, 2.0 amps @ 28 volts DC • Weight: 1.7 lb • Length: 5.0" • Width: 3.12" • Height: 3.06"

Power Supply HTS-CF ..... A490ATSCF14/28 ..... **$877.50**

Interior and Cockpit Lighting

A300 Whelen Map Reading Light

- Designed for indirect cockpit illumination
- Slide switch permits direct chart reading
- Available with red or instrument white lens

Specifications: 6 watt lamp • Diameter: 4.125" • Depth Behind Mounting Flange: 1.06" • Weight: 0.16 lb

Map Reading Light

14 Volt, White Lens	A300-14	**$333.06**
14 Volt, Red Lens	A300-14-R	**$299.52**
28 Volt, White Lens	A300-28	**$333.06**

A1719 Grimes Map Light

- Specify 12 or 24 volt when ordering
- Will mount over instruments or any place convenient in the cockpit

Map Light ..... A1719 ..... **$43.90**

70820 Series LED Map Light

- Long life (approximately 20,000 hours)
- Reduced power consumption compared to alternative light sources
- Shock and vibration resistant
- For cabin or cockpit illumination
- 360° swivel base

Specifications: Current draw: 0.02 amps @ 14 VDC, 0.02 amps @ 28 VDC • Weight: 0.19 lb

Natural Aluminum Finish, White LED, 14 volt..... 01-0770820-00 ..... **$226.98**
Natural Aluminum Finish, White LED, 28 volt..... 01-0770820-01 ..... **$226.98**
Black Anodized Finish, White LED, 14 volt..... 01-0770820-02 ..... **$226.98**
Black Anodized Finish, Red LED, 14 volt ..... 01-0770820-04 ..... **$226.98**
Black Anodized Finish, Red LED, 28 volt ..... 01-0770820-05 ..... **$226.98**

70339 Dome Flood and Compartment Light

- For recessed overhead or wall mounting with minimal depth
- Comes in your choice with or without an on/off switch

Specifications: 6 Watt Lamp • Diameter: 4.125" • Depth Behind Mounting Flange: 1.06" • Weight: 0.16 lb

14 Volts DC, no switch.....70339-01 ..... **$243.36**
28 Volts DC, no switch.....70339-02 ..... **$243.36**
14 Volts DC, with switch.....70339-03 ..... **$273.00**
28 Volts DC, with switch.....70339-04 ..... **$273.00**

A315-LO Cockpit Utility Light

Unit rotates for convenience in reading maps and illuminating instrument panel. Optional right angle bracket available for ease of mounting.

Cockpit Utility Light .....A315-LO-14..... **$54.60**

A315-HI Cockpit Utility Light

This cockpit utility light rotates for convenience in reading maps and illuminating instrument panels. Furnished with right angle bracket for ease of mounting.

White .....A315-HI-14-W **$120.12**

A350 Instrument Post Light

Illuminates the instrument panel and functions as one of the instrument mounting bolts. The A350 can be equipped with a dimmer if desired.

14 Volt..... A35014SC..... **$66.30**

External Lighting

Grimes Wing Lights

1) Grimes Type B Wing Light
   Red Lens.....A2430-2R-94 ..... **$397.47**
   Green Lens .....A2430-2G-94 ..... **$397.47**
2) Grimes Type A Wing Light
   Red Lens.....A1228-1R-93 ..... **$435.66**
   Green Lens .....A1228-1G-93 ..... **$435.66**

Grimes Type A, B, C
   Lens Bail.....A1234 ..... **$9.00**
   Lens Gasket .....A1232 ..... **$1.78**

Whelen Landing Light Mount

FAA-PMA APPROVED

Standard equipment on new Beechcraft, and will retrofit into older aircraft as well. Accommodates PAR36 lamp, sold separately.

Specifications: Weight 0.4 lb • Diameter 4.75" • Length 6.5" • Depth 2.12"

Landing Light..... A715-1 ..... **$343.20**

PAR36 Landing Light, 14 Volt, 60,000 CP ..... 01-0771833-10 ..... **$301.86**
PAR36 Taxi Light, 14 Volt, 15,000 CP ..... 01-0771833-15 ..... **$301.86**

70509 Whelen Halogen Flashing Anti-Collision Light

- FAA TSO-C96A approved
- Completely self-contained – separate flasher power pack is not needed
- Weight: 0.27 lb (122 gm)
- Height: 3.75" (95 mm)
- Diameter: 2.65" (67 mm)
- Lamp: 35 watt halogen
- Power Consumption: 2.7 amps @ 14 VDC, 1.3 amps @ 28 VDC

Description	Part #	Price
28 Volt Flasher Assembly (Red/White)	01-0770509-05	**$503.10**
28 Volt Flasher Assembly (Red)	01-0770509-03	**$503.10**
28 Volt Replacement Lamp	02-0350433-01	**$128.70**
14 Volt Flasher Assembly (Red/White)	01-0770509-02	**$503.10**
14 Volt Flasher Assembly (White)	01-0770509-01	**$503.10**
14 Volt Flasher Assembly (Red)	01-0770509-00	**$503.10**
14 Volt Replacement Lamp	02-0350433-00	**$128.70**

Whitaker Mount

For installation of Grimes and Whelen rotating beacon or strobe light on rudder. STC approved on Piper PA-11 to PA-25.

AW221 ..... **$523.69**

A450 Whelen Strobe Head

- Designed for use in severe vibration, chemical and moisture conditions.
- Dome: Glass, Clear
- Weight: 0.3 lb (136 gm)
- Exposed Height: 2.25" (57 mm)
- Diameter: 2.5" (64 mm)

Whelen Strobe Head Assembly ..... A450 ..... **$435.24**

Replacement Parts

Lens, Clear ..... SA402 ..... **$280.02**
Clamp Ring Assembly, Nylon ..... 01-0450685-00 ..... **$24.96**
Flash Tube Assembly ..... SA406 ..... **$235.56**

A430 Whelen Tail Strobe Light

Tail Strobe Assembly
A430 ..... **$247.26**

Replacement Parts

Lens Retainer ..... A425 ..... **$29.64**
Lens, White ..... A457A **$75.66**
Gasket (A455) ..... 38-0230002-00 ..... **$17.94**
Flash Tube Assembly ..... A435 ..... **$235.56**

A555A Whelen Tail Position Light

For LED replacements, see the new Orion500 Series lightheads from Whelen on page 205.

- Manufactured of non-magnetic materials
- Dome: Pyrex glass, Aviation White
- Weight: 0.3 lb
- Exposed Height: 1.75"
- Diameter: 1.5"

Horizontal Installation, 14 Volt ..... A555A-H-14 ..... **$148.59**
Horizontal Installation, 28 Volt ..... A555A-H-28 ..... **$148.59**
Vertical Installation, 14 Volt ..... A555A-V-14 ..... **$148.59**
Vertical Installation, 28 Volt ..... A555A-V-28 ..... **$148.59**

Replacement Parts

Lens Retainer, Vertical Mount ..... A425A-V **$50.70**
Lens, Clear ..... A457A **$75.66**
Gasket (A455) ..... 38-0230002-00 ..... **$17.94**
Halogen Lamp, 14 Volt, 25 Watt ..... A508-14 ..... **$46.02**
Halogen Lamp, 28 Volt, 25 Watt ..... A508-28 ..... **$46.02**

A500A Whelen Tail Position/ Strobe Light

For LED replacements, see the new Orion500 Series lightheads from Whelen on page 205.

- Combination strobe/tail navigation light
- Provide 360° of strobe coverage
- Direct replacement for the standard tail position light
- Weight: 0.3 lb (136 gm)
- Exposed Height: 1.7" (43 mm)
- Diameter: 1.5" (38 mm)

Strobe Light, Horizontal Installation, 14 Volt ..... A500A-H-14 ..... **$215.28**
Strobe Light, Horizontal Installation, 28 Volt ..... A500A-H-28 ..... **$201.24**
Strobe Light, Vertical Installation, 14 Volt ..... A500A-V-14 ..... **$215.28**
Strobe Light, Vertical Installation, 28 Volt ..... A500A-V-28 ..... **$215.28**

Replacement Parts

Lens Retainer, Vertical Mount ..... A425A-V **$50.70**
Lens, White ..... A457A **$75.66**
Gasket (A455) ..... 38-0230002-00 ..... **$17.94**
Halogen Lamp, 14 Volt, 25 Watt ..... A508-14 ..... **$46.02**
Halogen Lamp, 28 Volt, 25 Watt ..... A508-28 ..... **$46.02**

Replacement Parts for A429 Wing Tip Strobe

The Whelen model A429 has been superseded by model A650. The following replacement parts are still available for A429.

Lens Retainer ..... A426 ..... **$135.72**
Wingtip Lens for A427 ..... A428 ..... **$140.40**
Strobe Tube Assembly ..... A427 ..... **$131.82**
Gasket ..... W1283 ..... **$23.40**
Reflector Lamp, 14 Volt, 26 Watt ..... W1290-14 ..... **$97.50**
Reflector Lamp, 28 Volt, 26 Watt ..... W1290-28 ..... **$97.50**
Lens, Green ..... W1284-G **$88.14**
Lens, Red ..... W1284-R **$88.14**
Base Plate Assembly ..... W1285-2 ..... **$166.14**

Whelen Strobe Tube Assembly and Lens

FAA-PMA APPROVED

- Applicability: Cessna single engine aircraft 1972 and later

A610

In this system the A610 and A612 are mounted directly onto the wingtip retainer. Use the A612 as a template for cutting a hole in the existing light shield. This system requires very little time or labor to install. The A612 magnifying lens increases the light intensity by two to three times in the horizontal plane.

A612

Strobe Tube Assembly ..... A610 ..... **$131.82**
Magnifying Lens, Clear ..... A612 ..... **$70.98**

Visit www.univair.com for our complete inventory of internal and external aircraft lighting.

W1250 Whelen Position Light

• TSO-C30b Approval

The W1250PG and W1250PR are approved position lights. They are designed to fit underneath the wingtip fairings.

Specifications: Weight: 0.3 lb • Exposed height: 1.25" • Length: 2.75"

Red LED Light, 14 Volt ..... 01-0771379-12 ..... **$315.90**
Green LED Light, 14 Volt ..... 01-0771379-11 ..... **$315.90**
Green Light ..... W1250PG-14 ..... **$196.56**

Whelen LED Wingtip and Tail Position Lights

• LED Power Consumption: 0.25 Amps @ 14V
• LED Color: Aviation Green or Red
• Weight: 0.20 Lbs 14V
• Exposed Height: 2.70"
• Lens: Clear Polycarbonate

71105 series are fully FAA TSO compliant Forward Position lights. LEDs provide a significant reduction in electrical current draw over conventional light bulbs. Direct replacement for Whelen Model W1285 series.

Red Light ..... 01-0771105-02 ..... **$344.76**
Green Light ..... 01-0771105-01 ..... **$344.76**

Replacement parts below are for the old non-LED lights, part numbers W1285PR-14 and W1285PG-14.

Replacement Parts
Lens Retainer/Cover ..... W1282 ..... **$89.70**
Lens, Red ..... W1284-R **$88.14**
Lens, Green ..... W1284-G **$88.14**
Reflector Lamp, 14 Volt, 26 Watt ..... W1290-14 ..... **$97.50**
Reflector Lamp, 28 Volt, 26 Watt ..... W1290-28 ..... **$97.50**
Gasket ..... W1283 ..... **$23.40**
Base Plate Assembly ..... W1285-2 ..... **$166.14**

A625 Whelen Strobe Light

FAA-PMA APPROVED

• For aircraft with wingtip tanks
• For aircraft with enclosed position lights
• Use as an add-on strobe on the wing or the tail
• Weight: 0.2 lb (91 gm)
• Exposed Height: 1.7" (43 mm)

Strobe Light Assembly, Clear Lens
A625 ..... **$267.54**

Replacement Parts
Magnifying Lens, Clear ..... A612 ..... **$70.98**
Flash Tube Assembly ..... A627 ..... **$206.70**

A470A Whelen Strobe Light

PLEASE NOTE: Model A470A lenses can NOT be used as replacements for the old cone-shaped lenses, model A402. If you have any questions, please contact our customer support team at 1-888-433-5433 and we will be happy to help you determine which style lens your aircraft requires.

• Compatible with all Whelen power supplies
• Can be installed on the fuselage or the vertical fin
• Provides maximum 360 degrees of uniform light coverage
• All assemblies require either the model H102 or H103 mounting adapter

Strobe Light Assembly, Red Lens ..... A470A-R **$296.40**
White Lens ..... A470A-W **$276.90**
Split Red/White Lens ..... A470A-S **$276.90**
"A" Mounting Adapter, 2.5" Diameter ..... H102 ..... **$29.64**
"B" Mounting Adapter, 3.75" Diameter ..... H103 ..... **$109.20**

Replacement Parts
Optic Lens, Red ..... A402A-R **$70.98**
White ..... A402A-W **$70.98**
Red/White Split ..... A402A-S **$70.98**
Clamp Ring Assembly, Nylon ..... 01-0450685-00 ..... **$24.96**
Gasket, 2.5" diameter, .046" thick ..... A467 ..... **$17.94**
Flash Tube Assembly ..... A469B **$202.02**
3 Position Male Connector with Pins ..... A441 ..... **$16.38**

A402 Replacement Parts

PLEASE NOTE: Model A402 lenses are NOT interchangeable with the new bell-shaped lenses, model A470A. If you have any questions, please contact our customer support team at 1-888-433-5433 and we will be happy to help you determine which style lens your aircraft requires.

Cone Shaped Optic Lens, Red ..... A402-R **$70.98**
White ..... A402-W **$70.98**
Red/White Split ..... A402-R/W **$70.98**
Clamp Ring Assembly, Nylon ..... 01-0450685-00 ..... **$24.96**
Gasket, 2.5" diameter, .046" thick ..... A467 ..... **$17.94**
Flash Tube Assembly ..... A469A-D **$333.84**
3 Position Male Connector with Pins ..... A441 ..... **$16.38**

Whelen Replacement Connectors

Kit, 3 Position Male Connector with Pins ..... A441 ..... **$16.38**
Kit, 3 Position Female Connector with Sockets ..... A442 ..... **$17.16**

A600 PG/PR Series Whelen Strobe Light

For LED replacements, see the new Orion600 Series lightheads from Whelen on page 205.

- Ready to install forward and tail position lights
- Weight: 0.5 lb
- Exposed Height: 2.4″
- Length: 5.625″
- Lens: A612 clear magnifying lens
- Specify 14 or 28 volts when ordering

Strobe Light Assembly, Red (A600-PR-14) ..... 01-0790340-02 ..... **$952.38**
Strobe Light Assembly, Green ..... A600-PG-14 ..... **$442.85**

Replacement Parts

Lens Retainer ..... A606 ..... **$91.26**
Magnifying Lens, Clear ..... A612 ..... **$70.98**
Flash Tube Assembly ..... A610 ..... **$131.82**
Lens, Green ..... W1284-G **$88.14**
Red ..... W1284-R **$88.14**
Clear ..... A615 ..... **$131.82**
Halogen Lamp, 14 Volt, 25 Watt ..... A508-14 ..... **$46.02**
28 Volt, 25 Watt ..... A508-28 ..... **$46.02**
Gasket ..... W1283 ..... **$23.40**
Reflector Lamp, 14 Volt, 26 Watt ..... W1290-14 ..... **$97.50**
28 Volt, 26 Watt ..... W1290-28 ..... **$97.50**

A650 PR/PG Whelen Wingtip Strobe Light

For LED replacements, see the new Orion 650E Series lightheads from Whelen on page 205.

- Can be used to convert non-Whelen position lights into a position/anti-collision light system
- Weight: 0.6 lb (272 gm)
- Position Lamp Power Consumption: 2 Amps @ 14 VDC; 1 Amp @ 28 VDC
- Exposed Height: 2.4″ (61 mm)
- Length: 4.0″ (102 mm)
- Width: 1.7″ (43 mm)

Red Light, 14 Volt ..... A650-PR-14 ..... **$819.00**
Red Light, 28 Volt ..... A650-PR-28 ..... **$819.00**
Green Light, 14 Volt ..... A650-PG-14 ..... **$819.00**
Green Light, 28 Volt ..... A650-PG-28 ..... **$819.00**

Replacement Parts

Lens, Red ..... W1284-R **$88.14**
Green ..... W1284-G **$88.14**
Gasket ..... W1283 ..... **$23.40**
Reflector Lamp, 14 Volt, 26 Watt ..... W1290-14 ..... **$97.50**
28 Volt, 26 Watt ..... W1290-28 ..... **$97.50**
Lens Retainer ..... A626 ..... **$72.54**
Magnifying Lens, Clear ..... A612 ..... **$70.98**
Flash Tube Assembly ..... A610 ..... **$131.82**
Base Plate Assembly ..... W1285-2 ..... **$166.14**

A650 Whelen Wingtip Strobe Assembly

- Converts existing Whelen W1285 position lights into a position/anti-collision light system
- Weight: 0.2 lb (91 gm)
- Exposed Height: 2.4″ (61 mm)

Wingtip Light ..... A650 ..... **$146.25**

Replacement Parts

Lens Retainer ..... A626 ..... **$72.54**
Magnifying Lens, Clear ..... A612 ..... **$70.98**
Flash Tube Assembly ..... A610 ..... **$131.82**

Strobe Light Bracket

- Can be used on the top of Piper rudders
- FAA field approval required

Strobe Light Bracket ..... U15722-002 .... **$173.05**

Navigation Light Fairing

This fairing is required to convert model B type wing lights to the more streamlined model E navigational lights on Ercoupe 415-C, -D, and -G.

F14081 ..... **$227.39**

Whelen Mounting Adapters

These adapters are designed for the A470A, A450 and 70509. The H103 (shown on top) is designed to allow strobe light head assemblies to be installed in 3¾″ diameter standard rotating beacon mounting. The H102 (shown on bottom) allows direct mounting of the strobe light head assembly to the skin of the frame or the top of a 2½″ diameter Cessna vertical stabilizer fairing.

Whelen A Mounting Adapter (shown top) ..... H103 ..... **$109.20**
Whelen B Mounting Adapter (shown bottom) ..... H102 ..... **$29.64**

- Available for frame installations of models HR-CFA and SA-CF

Mounting Adapter ..... A440 ..... **$62.40**

Order online at www.univair.com

Orion500 Series Lightheads

- Mounts on tail
- Direct replacement for legacy A500A models
- Eliminates need for external power supplies
- Reduces current draw and provides thousands of hours of operation

Specifications: Weight: 0.29 lb • Current Draw: 0.2/0.1 amps Position, 0.72/0.36 amps avg. ACL • Position LED Color: Aviation White • Lens: Clear polycarbonate hardcoat, field replaceable

Tail PTA Light, White, 12 Volt ..... 01-0771774V01 ..... **$514.80**
Tail PTA Light, White, 28 Volt ..... 01-0771774V02 ..... **$514.80**

Orion600 Series Lightheads

- Mounts on wingtip
- Incorporates the latest state-of-the-art LED technology in an all-inclusive package
- Eliminates the need for external flasher boxes
- Flush mountable for a wide variety of applications with minimal integration
- Easily retrofits Whelen legacy strobe products

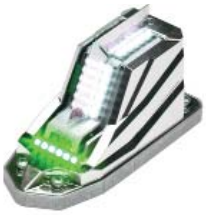
Wingtip PTA, Green, 12 Volt ..... 01-0771733-01 ..... **$713.70**
Wingtip PTA, Red, 12 Volt ..... 01-0771733-02 ..... **$713.70**
Wingtip PTA, Green, 28 Volt ..... 01-0771733-11 ..... **$713.70**
Wingtip PTA, Red, 28 Volt ..... 01-0771733-12 ..... **$713.70**

Orion650 Series Position/ACL

- Mounts on wingtip
- Incorporates the latest state-of-the-art LED technology in an all-inclusive package
- Eliminates the need for external flasher boxes
- Flush mountable for a wide variety of applications with minimal integration
- Easily retrofits Whelen legacy strobe products

Wingtip PTA, Green, 14 Volt ..... 01-0790725-01 ..... **$576.42**
Wingtip PTA, Red, 14 Volt ..... 01-0790725-02 ..... **$576.42**
Wingtip PTA, Green, 28 Volt ..... 01-0790725-11 ..... **$576.42**
Wingtip PTA, Red, 28 Volt ..... 01-0790725-12 ..... **$576.42**

Orion650E Series Lightheads



- Mounts within fairing
- Incorporates the latest state-of-the-art LED technology in an all-inclusive package
- Eliminates the need for external flasher boxes
- Flush mountable for a wide variety of applications with minimal integration
- Easily retrofits Whelen legacy strobe products

Embedded PTA, Green, 12 Volt ..... 01-0790701-01 ..... **$604.50**
Embedded PTA, Red, 12 Volt ..... 01-0790701-02 ..... **$604.50**
Embedded PTA, Green, 28 Volt ..... 01-0790701-11 ..... **$604.50**
Embedded PTA, Red, 28 Volt ..... 01-0790701-12 ..... **$604.50**

Replacement Bulbs • Lenses

Chroma™ Series by Whelen

- LED Plug & Play Position Lights by Whelen
- 10,000 hour operating life
- Direct replacements for W129028, 120928, A7512-24, W628, 628 incandescent bulbs

Green LED, 14 Volt ..... 01-0771900-G14 ..... **$149.50**
Red LED, 14 Volt ..... 01-0771900-R14 ..... **$149.50**
Green LED, 28 Volt ..... 01-0771900-G28 ..... **$149.50**
Red LED, 28 Volt ..... 01-0771900-R28 ..... **$149.50**

PAR36 LED Landing and Taxi Lights

- Drop-in replacements for outdated halogen and HID lamps
- Replaces 4509 and Q4509

Parmetheus™ Series
PAR36 LED Taxi Light, 14 Volt ..... 01-0771424-15 ..... **$260.00**

Parmetheus Plus™ Series (40% brighter)
PAR36 LED Landing Light, 14 Volt ..... 01-0771833-10 ..... **$301.86**
PAR36 LED Taxi Light, 14 Volt ..... 01-0771833-15 ..... **$301.86**

Sealed Beam Bulb Unit

- For all popular aircraft landing lights
- 13 volts

Sealed Beam Bulb ..... 4509 ..... **$21.84**
Halogen Unit ..... Q4509 ..... **$27.12**

Warning Lights

- Glass jewel type
- 12 volt bulb

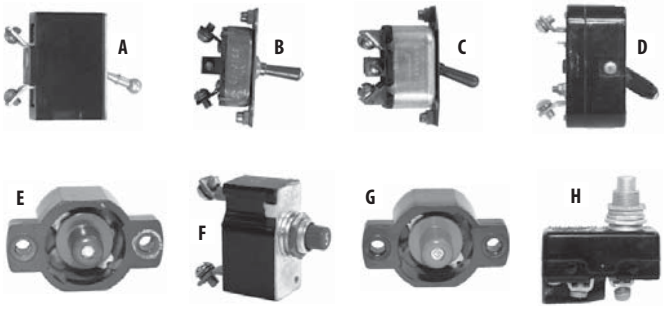
Red ..... AH-133R **$22.25**
Green ..... AH-133G **$22.25**
Amber ..... AH-133A **$22.25**

Grimes Lenses

- Dome shaped lenses for Grimes Models A, B, C, E, and S lights

Model A and B Lens, Red ..... A1233A2 ..... **$91.14**
Model A and B Lens, Green ..... A1233A3 ..... **$75.19**
Model A and C Lens, Clear ..... A1233A1 ..... **$69.78**
Model E Lens (A1280-2), Red ..... W1284-R **$88.14**
Model E Lens (A1280-3), Green ..... W1284-G **$88.14**
Model S Lens, Clear ..... A4513-1 ..... **$39.00**

Circuit Breakers • Switches



A) Circuit Breaker, 5 Amp ..... AN3160-5 ..... **$55.00**
B) Spring Loaded "On-Off" Switch ..... AN3022-7B **$17.02**
C) Double Pole, "On-Momentary On" ..... AN3023-10 ..... **$130.00**
D) C6363 Circuit Breaker, Klixon, 5 Amp ..... C6363-5 ..... **$154.80**
15 Amp ..... C6363-15 ..... **$155.04**
E) Klixon PM Circuit Breaker, 5 Amp ..... PM-5 ..... **$39.65**
10 Amp ..... PM-10 ..... **$39.65**
20 Amp ..... PM-20 ..... **$39.65**
35 Amp ..... PM-35 ..... **$39.65**
40 Amp ..... PM-40 ..... **$39.65**
F) Klixon PSM Circuit Breaker, 5 Amp ..... PSM-5 ..... **$64.19**
10 Amp ..... W23X1A1G-10 ..... **$48.40**
15 Amp ..... PSM-15 ..... **$48.89**
20 Amp ..... W23X1A1G-20 ..... **$35.57**
25 Amp ..... PSM-25 ..... **$48.89**
G) Klixon CM Circuit Breaker, 15 Amp ..... CM-15 ..... **$36.96**
H) Microswitch*, 10 Amp Rating at 125 Volts ..... RD7-1P2T **$38.59**

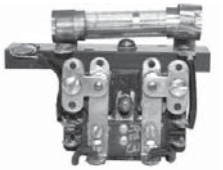
* May be installed in either "normally open" or "normally closed" position. Requires 1/16" travel to actuate, with 7/32" additional override. Perfect for mechanisms, door lights, trunk or hood lights. Makes excellent push-button for starter solenoids.

Bendix Ignition Switch

- For all light planes

Switch With No "Start" Position ..... 10-357290-1 ..... **$576.31**
Switch With "Start" Position ..... 10-357200-1 ..... **$668.77**
Plate for Part Number 10-357200-1
("Off, R, L, Both, Start") ..... 10-126676 ..... **$5.10**
Switch Shield ..... 0311777 ..... **$312.09**

Relay Type Flasher Unit

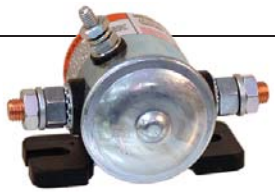


Relay operates two sets of contact points which may be wired in normally open or normally closed position. Flasher may be used for navigation or warning lights.

Relay Type Flasher Unit ..... RELAY **$43.52**

Solenoids

Single Pole Solenoid



- Single pole
- Normally open
- Used on all 108 Stinsons as master solenoid

Single Pole Solenoid
(70-918) ..... 70-111226-5 ..... **$35.80**

Double Pole Solenoid

- Double pole
- Normally open
- Used on Swifts

Double Pole Solenoid ..... 70-902 ..... **$31.77**

Piper Starter Solenoid

FAA-PMA APPROVED

- With 5/16" terminals

This FAA-PMA approved solenoid is a 6 volt unit. It is a direct replacement for the original Piper solenoid. The 6 volt unit has larger contacts than a 12 volt unit thus providing a longer service life. The existing wiring is adequate for a 12 volt electrical system using this solenoid.

Starter Solenoid ..... U487-149 ..... **$118.34**

Miscellaneous Electrical Supplies

14V Voltage Regulators

- Electrodelta™ Voltage Regulators by Lamar Technologies LLC
- Installer must verify aircraft model applicability

Overvoltage Sensor, 14 Volt ..... OS75-14 ..... **$309.09**
Voltage Regulator, 14 Volt ..... VR200A **$302.00**
Voltage Regulator, 14 Volt ..... VR600 ..... **$260.84**
Voltage Regulator, 14 Volt ..... VSF-7203A **$451.53**

FIND MORE ON OUR WEBSITE

- **Insulators**
- **Fuses**
- **Electrical Wire**
- **Fuse Holders and Clips**

Price and availability subject to change without notice • Univair's Toll Free Sales: 1-888-433-5433

PAINT • DOPE • COVERING SUPPLIES

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Many of the chemical-based products in this section are classified as HAZMAT items by delivery companies, and as such cannot be shipped outside the lower 48 United States. Deliveries to U.S. addresses may incur additional Hazmat Fees on top of regular shipping charges. For more information, please contact our customer service team toll-free at 1-888-433-5433.

Randolph Dopes

210 Tautening Nitrate Dope (Clear)

Used to seal and shrink organic fabrics, Grade A cotton, Irish linen, silk and silkspan for model airplanes. Not recommended for use on Ceconite or other synthetic polyester fabrics. Thin 1:1 with 286 Nitrate Thinner.

1 quart.....20-210-3.....**$31.81**
1 gallon.....20-210-4.....**$104.36**
5 gallon.....20-210-5.....**$547.00**
55 gallon.....20-210-55.....**$4,972.54**

9701 Tautening Butyrate Dope (Clear)

Used to shrink and seal organic fabrics, Grade A cotton and Irish linen. Not recommended for use on Ceconite or other synthetic polyester fabrics. Thin 1:1 with 286 Nitrate Thinner.

1 quart.....20-9701-3.....**$26.04**
1 gallon.....20-9701-4.....**$801.76**
5 gallon.....20-9701-5.....**$421.83**
55 gallon.....20-9701-55.....**$3,620.87**

286 Nitrate Thinner

Used to reduce G-6302 Rand-O-Proof, W-7868 Non-Tautening Nitrate Dope (Blue) and E-4964 Non-Tautening Nitrate (Clear). Mix ratio 1:1.

1 quart.....20-286-3.....**$22.97**
1 gallon.....20-286-4.....**$64.33**
5 gallon.....20-286-5.....**$321.64**
55 gallon.....20-286-55.....**$2,910.12**

Non-Tautening Nitrate Dope

These non-tautening nitrate dopes are used exactly as G-6302 Rand-O-Proof, specially formulated for the first coats on Ceconite polyester fabric. Available in clear or blue tint. Packaging, coverage, mixing, thinning, application, dry time and shelf life are identical to Rand-O-Proof. Can be thinned with 286 Nitrate Thinner.

W-7868 Blue

1 quart.....20-W7868-3.....**$32.38**
1 gallon.....20-W7868-4.....**$106.59**
5 gallon.....20-W7868-5.....**$547.98**

E-4964 Clear

1 quart.....20-E4964-3.....**$32.24**
1 gallon.....20-E4964-4.....**$104.09**
5 gallon.....20-E4964-5.....**$545.82**

G-6302 Rand-O-Proof (Green)

Specially formulated for the first coats on Ceconite polyester fabric. It is also used to apply finishing tapes and to pre-coat large surfaces of wood or metal that will be covered with fabric. Pre-coating wood or metal with nitrate dope promotes adhesion and helps prevent pinholes in subsequent coatings. Tinted transparent green for visibility upon application. Can be thinned with 286 Nitrate Thinner.

1 quart.....20-G6302-3.....**$31.61**
1 gallon.....20-G6302-4.....**$100.67**
5 gallon.....20-G6302-5.....**$536.22**

Non-Tautening Butyrate Dope

- Use to build coat thickness
- Adds body to the dope film while retaining flexibility
- WHITE: Best for surfaces that will be seen from inside the cockpit
- TAN: Tinted to help see the product as it is applied
- Thin with 9703 Butyrate Thinner

W-8350 Transparent Tan

1 quart	20-W8350-3	**$27.01**
1 gallon	20-W8350-4	**$83.83**
5 gallon	20-W8350-5	**$438.96**
55 gallon	20-W8350-55	**$3,926.16**

A-1690 Clear

1 quart	20-A1690-3	**$27.92**
1 gallon	20-A1690-4	**$83.40**
5 gallon	20-A1690-5	**$437.07**

9703 Butyrate Thinner

Used to reduce all butyrate products, tautening or non-tautening to spray viscosity. It is normally mixed 1:1 with butyrate dopes.

1 quart	20-9703-3	**$23.60**
1 gallon	20-9703-4	**$65.51**
5 gallon	20-9703-5	**$321.64**
55 gallon	20-9703-55	**$2,925.43**

G-6303 Silver Rand-O-Fill

Pre-mixed non-tautening butyrate silver coating for UV protection. It has the correct amount of aluminum flake to insure full protection for Ceconite fabric. Mix 1:1 with 9703 Butyrate Thinner and apply by spray gun. Rand-O-Fill may be applied to either nitrate or butyrate subcoats. Ceconite fabric without the protection of Silver Rand-O-Fill will have a fraction of the service life of fabric coated with Rand-O-Fill.

1 quart	20-G6303-3	**$28.26**
1 gallon	20-G6303-4	**$85.08**
5 gallon	20-G6303-5	**$412.43**

Randolph Epoxy Products

E-500 Epoxy Thinner

Used to thin Epibond and Rand-O-Plate primer as well as EV-410 Epoxy Varnish. Follow thinning directions on the primer and varnish cans. Do not substitute other solvents or thinners in these epoxy products.

1 quart	20-500-3	**$25.31**
1 gallon	20-500-4	**$83.99**

Epoxy Primers

Used to coat steel, aluminum, and composite surfaces before painting. Epoxy primers have superior anti-corrosive properties that exceed one-part zinc chromate primers in all levels of performance. May be used under enamels, Ranthane polyurethane, and a variety of other topcoat paints, or applied directly over old one-part primers like zinc chromate or red iron oxide.

W2248 Epibond Epoxy Primer (Off White)

1 quart	20-W2248-3	**$69.06**
1 gallon	20-W2248-4	**$236.17**
2½ gallon kit*	20-W2248-4KIT	**$381.91**

B-6433 Rand-O-Plate Epoxy Primer (Dark Green)

1 quart	20-B6433-3	**$69.06**
2½ quart kit*	20-B6433-3KIT	**$112.57**
1 gallon	20-B6433-4	**$236.17**
2½ gallon kit*	20-B6433-4KIT	**$381.91**

* Kits include primer, EP-430 catalyst, and E-500 reducer.

EV-400 Epoxy Varnish

A two-part varnish that gives superior protection and performance over older one-part "spar" varnishes. EV-400 is completely impervious to fabric cements and dope when cured, so there is no need to use a dope proof paint over it. May be used on either old or new wood. Can be brushed or sprayed, and is applied without harm directly over old varnishes to provide superior solvent resistance and protection from fabric cements and dopes.

1 quart	20-400-3	**$61.79**
1 gallon	20-400-4	**$209.43**
2½ quart kit*	20-400-3KIT	**$102.90**
2½ gallon kit*	20-400-4KIT	**$346.04**

* Kits include EV-400 varnish, EV-410 catalyst and E-500 reducer.

EP-430 Epoxy Primer Catalyst

Catalyst for either Epibond White Epoxy Primer or Rand-O-Plate Green Epoxy Primer.

1 pint	20-430-2	**$29.47**
1 quart	20-430-3	**$49.97**

EV-410 Epoxy Varnish Catalyst

Catalyst for EV-400 Epoxy Varnish only. Add one part EV-410 Catalyst to two parts EV-400.

1 pint	20-410-2	**$26.09**
1 quart	20-410-3	**$43.62**

EX-501 Epoxy Accelerator

Accelerates the drying time of epoxy primer or varnish in cold weather. When used correctly, 1 ounce of EX-501 will reduce the pot life from 5 hours to 3 hours and curing time from approximately 7 days to 4 days at 70°F.

½ pint .....20-501-1..... **$26.47**

Randolph Solvents

Randolph Methyl Ethyl Ketone

M.E.K is an extremely active solvent similar to acetone, but with 30% slower evaporating rate. Use as a thinner, cleaner and remover for resins, epoxies, glues, vinyls and lacquers.

1 gallon..... 25-MEK-4 ..... **$63.21**

Colored Butyrate Dope

Non-tautening high quality dope made only from premium non-bleeding pigments. Colors (see chart below) are available in quart and gallon containers. Standard colors are shown on the Flight Proven aircraft color card. Thin one to one with 9703 butyrate thinner before spraying.

Colored butyrate dope sticks to fabric very well but doesn't work well on metal or fiberglass. If sprayed onto primed aluminum or fiberglass, there's a good chance it will peel off in a very short time.

All colors, especially yellow, orange, and red butyrates, will appear much more brilliant if you spray two coats of white butyrate onto the surface first. This helps reduce their transparency and reflects more of their color.

1 Quart.....Prices starting at **$40.31**
1 Gallon .....Prices starting at **$134.92**

Prices vary by color – see chart on next page.

Randolph Fast Dry Engine Enamels

Engine enamels are formulated to use on engine crankcases and cylinders usually after engine overhaul or for general maintenance. They are heat resistant and provide good gloss and color retention. Thin with 257 Enamel Thinner.

Black
1 quart..... 24-303-3 ..... **$36.76**

Continental Gold
1 quart..... 24-D5973-3 ..... **$45.95**

Lycoming Gray
1 quart..... 24-G5436-3 ..... **$35.22**

Shop Online at www.univair.com

Ranthane High Solids

Polyurethane paint sticks well to everything, so you can use it on fabric, primed metal, and fiberglass. It gives a high-gloss "wet-look" finish that is impervious to chemicals and staining. You can use Ranthane HS over the fabric and metal parts; all surfaces will have the same gloss and uniform look. Ranthane HS requires only half the catalyst than the original version of Ranthane products, or a 2:1 ratio. The original version of Ranthane products are no longer available.

Ranthane is flexible enough for use over fabric and has an outstanding service record. You can also paint primed steel tubing that will come in contact with fabric cement and dope with no fear of lifting. The down side of Ranthane polyurethane is that it is more difficult to repair than dope, and it cannot be rejuvenated because it is impervious to solvents.

1 Quart.....Prices starting at **$85.15**
1 Gallon .....Prices starting at **$259.68**

Prices vary by color – see chart on next page.

NOTES

Randolph

Colored Butyrate Dope

COLOR	1 QUART		1 GALLON	
Black, Dakota	21-H6117-3	**$42.68**	21-H6117-4	**$149.20**
Blue, AN (True)	21-W9506-3	**$42.68**	21-W9506-4	**$149.20**
Blue, Bahama	21-H9170-3	**$42.68**	21-H9170-4	**$149.20**
Blue, Insignia	21-M9502-3	**$42.68**	21-M9502-4	**$149.20**
Blue, Lakeland	21-W3554-3	**$42.68**	21-W3554-4	**$148.88**
Blue, Miami	21-X5700-3	**$42.68**	21-X5700-4	**$149.20**
Blue, Newport Metallic	21-W8430-3	**$42.68**	21-W8430-4	**$149.20**
Brown, Hickory	21-Y9775-3	**$42.68**	21-Y9775-4	**$149.20**
Brown, Sandalwood	21-R8175-3	**$42.68**	21-R8175-4	**$149.20**
Cream, Diana	21-M9518-3	**$42.68**	21-M9518-4	**$149.20**
Cream, Tucson	21-X5260-3	**$42.68**	21-X5260-4	**$149.20**
Gold, Reno Metallic	21-B9916-3	**$70.53**	21-B9916-4	**$204.90**
Gray, AG Cat	21-F7790-3	**$42.68**	21-F7790-4	**$149.20**
Gray, Neutral	21-R4870-3	**$42.68**	21-R4870-4	**$149.20**
Gray, Platinum	21-R8174-3	**$42.68**	21-R8174-4	**$149.20**
Gray, Polar	21-Y6100-3	**$42.68**	21-Y6100-4	**$149.20**
Green, Federal	21-F2406-3	**$42.68**	21-F2406-4	**$149.20**
Green, Forest	21-Y6350-3	**$42.68**	21-Y6350-4	**$149.20**
Green, Montego	21-F5830-3	**$42.68**	21-F5830-4	**$149.20**
Green, Olive Drab	21-R4869-3	**$42.68**	21-R4869-4	**$149.20**
Green, Tampa Metallic	21-W8427-3	**$42.68**	21-W8427-4	**$149.20**
Ivory, Sun Valley	21-Z7245-3	**$42.68**	21-Z7245-4	**$149.20**
Maroon, Boston	21-X5680-3	**$42.68**	21-X5680-4	**$149.20**
Maroon, Stinson	21-X5749-3	**$42.68**	21-X5749-4	**$149.20**
Orange, Aeronca 7AC	21-E6428-3	**$42.68**	21-E6428-4	**$149.20**
Orange, Cessna Tiger	21-P8600-3	**$42.68**	21-P8600-4	**$149.20**
Orange, Cruiser	21-M9526-3	**$42.68**	21-M9526-4	**$149.20**
Orange, Ocala	21-C2065-3	**$42.68**	21-C2065-4	**$149.20**
Red, Cadillac	21-J9555-3	**$42.68**	21-J9555-4	**$149.20**
Red, Colorado	21-B9163-3	**$42.68**	21-B9163-4	**$149.20**
Red, Madrid	21-B3534-3	**$42.68**	21-B3534-4	**$149.20**
Red, Pontiac	21-W3665-3	**$42.68**	21-W3665-4	**$149.20**
Red, Santa Fe	21-H9150-3	**$42.68**	21-H9150-4	**$149.20**
Red, Tennessee	21-M9522-3	**$42.68**	21-M9522-4	**$149.20**
Red, Vermilion	21-M9530-3	**$42.68**	21-M9530-4	**$149.20**
Silver, Metallic	21-M9514-3	**$42.68**	21-M9514-4	**$149.20**
White, Daytona	21-J9545-3	**$40.31**	21-J9545-4	**$134.92**
White, Randolph	21-Q1916-3	**$40.31**	21-Q1916-4	**$134.92**
White, Juneau	21-B4243-3	**$40.31**	21-B4243-4	**$134.92**
White, New Insignia	21-Q1050-3	**$40.31**	21-Q1050-4	**$134.92**
White, Tropic	21-W9170-3	**$40.31**	21-W9170-4	**$149.20**
White, Vestal	21-K7641-3	**$40.31**	21-K7641-4	**$134.92**
Yellow, Aeronca 7AC	21-E6427-3	**$42.68**	21-E6427-4	**$149.20**
Yellow, AG Cat	21-D9270-3	**$42.68**	21-D9270-4	**$149.20**
Yellow, AN Orange	21-M9501-3	**$42.68**	21-M9501-4	**$149.20**
Yellow, Dallas	21-Y5783-3	**$42.68**	21-Y5783-4	**$149.20**
Yellow, Federal	21-N3353-3	**$42.68**	21-N3353-4	**$149.20**
Yellow, Lemon	21-M9512-3	**$36.17**	21-M9512-4	**$149.20**
Yellow, Lockhaven	21-M9521-3	**$42.68**	21-M9521-4	**$149.20**
Yellow, Cub J-3	21-F6285-3	**$42.68**	21-F6285-4	**$149.20**

Ranthane High Solids*

1 QUART		1 GALLON	
22-H6117-3	**$117.59**	22-H6117-4	**$353.19**
22-W9506-3	**$117.59**	22-W9506-4	**$353.19**
22-H9170-3	**$117.59**	22-H9170-4	**$353.19**
22-M9502-3	**$117.59**	22-M9502-4	**$353.19**
22-W3554-3	**$117.59**	22-M9502-4	**$353.19**
22-X5700-3	**$117.59**	22-X5700-4	**$353.19**
22-W8430-3	**$117.59**	22-W8430-4	**$353.19**
22-Y9775-3	**$117.59**	22-Y9775-4	**$353.19**
22-R8175-3	**$117.59**	22-R8175-4	**$353.19**
22-M9518-3	**$117.59**	22-M9518-4	**$353.19**
22-X5260-3	**$117.59**	22-X5260-4	**$353.19**
22-B9916-3	**$117.59**	22-B9916-4	**$353.19**
22-F7790-3	**$117.59**	22-F7790-4	**$353.19**
22-R4870-3	**$99.65**	22-R4870-4	**$353.19**
22-R8174-3	**$117.59**	22-R8174-4	**$353.19**
22-Y6100-3	**$117.59**	22-Y6100-4	**$353.19**
22-F2406-3	**$117.59**	22-F2406-4	**$535.19**
22-Y6350-3	**$117.59**	22-Y6350-4	**$353.19**
22-F5830-3	**$117.59**	22-F5830-4	**$353.19**
22-R4869-3	**$117.59**	22-R4869-4	**$353.19**
22-W8427-3	**$117.59**	22-W8427-4	**$353.19**
22-Z7245-3	**$117.59**	22-Z7245-4	**$353.19**
22-X5680-3	**$117.59**	22-X5680-4	**$353.19**
22-X5749-3	**$117.59**	22-X5749-4	**$353.19**
22-E6428-3	**$117.59**	22-E6428-4	**$353.19**
22-P8600-3	**$117.59**	22-P8600-4	**$353.19**
22-M9526-3	**$117.59**	22-M9526-4	**$353.19**
22-C2065-3	**$117.59**	22-C2065-4	**$353.19**
22-J9555-3	**$117.59**	22-J9555-4	**$353.19**
22-B9163-3	**$117.59**	22-B9163-4	**$353.19**
22-B3534-3	**$117.59**	22-B3534-4	**$353.19**
22-W3665-3	**$117.59**	22-W3665-4	**$353.19**
22-H9150-3	**$117.59**	22-H9150-4	**$353.19**
22-M9522-3	**$117.59**	22-M9522-4	**$353.19**
22-M9530-3	**$117.59**	22-M9530-4	**$353.19**
22-M9514-3	**$117.19**	22-M9514-4	**$353.19**
22-J9545-3	**$85.15**	22-J9545-4	**$259.68**
22-Q1916-3	**$85.15**	22-Q1916-4	**$259.68**
22-B4243-3	**$85.15**	22-B4243-4	**$259.68**
22-Q1050-3	**$85.15**	22-Q1050-4	**$259.68**
22-W9170-3	**$85.15**	22-W9170-4	**$259.68**
22-K7641-3	**$85.15**	22-K7641-4	**$259.68**
22-E6427-3	**$117.59**	22-E6427-4	**$353.19**
22-D9270-3	**$117.59**	22-D9270-4	**$353.19**
22-M9501-3	**$117.59**	22-M9501-4	**$353.19**
22-Y5783-3	**$117.59**	22-Y5783-4	**$353.19**
22-N3353-3	**$117.59**	22-N3353-4	**$353.19**
22-M9512-3	**$117.59**	22-M9512-4	**$353.19**
22-M9521-3	**$117.59**	22-M9521-4	**$353.19**
22-F6285-3	**$117.59**	22-F6285-4	**$353.19**

* Ranthane catalyst AU-CAT-2X1 sold separately

Randolph Special Products

Wing Walk Compound

A brush-on coating for wing walks or any area where a gritty, non-skid walkway is desired. Formulated to remain relatively soft throughout its service life to promote adhesion and prevent chipping. Canned be thinned with toluene.

Black

1 quart ..... 20-X1567B-3 ..... **$33.70**
1 gallon ..... 20-X1567B-4 ..... **$119.46**

Gray

1 quart ..... 20-X1567G-3 ..... **$35.22**
1 gallon ..... 20-X1567G-4 ..... **$122.53**

Acid Proof Battery Box Black Paint

An asphaltic coating used to provide protection from battery acid in battery boxes and compartments. Applied with a brush or roller to any metal area that may be exposed to leaking battery acid. Can be thinned with 286 Nitrate Thinner.

1 quart ..... 20-345-3 ..... **$37.52**

J-3000 Butysolv Rejuvenator

Rejuvenator adds fresh plasticizers to old, brittle dope coatings. It restores flexibility and suppleness in dope finishes that are cracking, ring worming, or losing adhesion. It softens and slightly flows old coatings to allow hairline cracks to close and fill. It does not restore color or gloss to faded Colored Dope, nor does it fill big cracks or voids.

1 quart ..... 20-J3000-3 ..... **$41.63**
1 gallon ..... 20-J3000-4 ..... **$125.03**

701 Aluminum Paste

Added to clear butyrate dope to make a UV protective dope coating. Mix 4 ounces by weight to 1 gallon butyrate dope.

1 pound can ..... 20-701 ..... **$32.31**

C-2210 Paint Surface Cleaner

A mild solvent cleaner used to clean surfaces before spray painting.

1 quart ..... 20-C2210-3 ..... **$24.85**
1 gallon ..... 20-C2210-4 ..... **$68.92**

Y-9910 Universal Retarder

A mixture of slow-evaporating solvents that may be used with either butyrate dope, nitrate dope, or Randacryl. Recommended to prevent blush in high humidity. Also aids in dope leveling and gloss enhancement when used in final color coats.

1 quart ..... 20-Y9910-3 ..... **$25.76**
1 gallon ..... 20-Y9910-4 ..... **$67.94**
5 gallon ..... 20-Y9910-5 ..... **$327.21**

New Super Seam Cement

New Super Seam is an improvement of the original Ceconite Super Seam Cement. This new formulation is clear, vinyl-based cement that is compatible with all Randolph dopes with no incompatibilities, and has twice the peel strength of original Super Seam. Used out of the can with no thinning, it dries in 15 to 30 minutes in most conditions. The "New" on the can differentiates New Super Seam from the original. Two year shelf life if left unopened.

1 quart ..... 900 ..... **$38.94**
1 gallon ..... 901 ..... **$142.52**

Ceconite Tautening Fabric

Ceconite is the name of a family of aircraft fabric covering products, all based upon a very special polyester fabric that has become a major industry standard.

- Stronger than Grade A cotton or linen
- Far more durable than either
- Weathers better and longer than either
- Easier to use and repair
- Shrinking is predictable and repeatable

Ceconite 101 Heavy Duty Fabric

This extra heavy duty fabric is recommended for the most severe operating conditions and for very high-wing loading aircraft. Its large filament size and high strength provide excellent resistance to rock penetration and tearing, characteristics required for trouble-free bush and agricultural operations. It is suitable for all aircraft where a very tough, durable, low elongation, high-tension fabric is required.

Specifications:
Thread Count: 144 x 57/inch
Weight: 3.4 oz/sq yd
Breaking Strength: Average 113.5 lb/inch
Bursting Strength: 279 psi
Tear Strength: Warp 108 lb, Fill 119 lb

Ceconite 101 Fabric, 70" wide, per yard ..... 101-70 ..... **$17.58**
Ceconite 101 Fabric, 70" wide, 50 yard roll ..... 101-70FRL **$879.00**

Ceconite 102 Standard Fabric

Considered our standard fabric, it is recommended for normal service and is widely used on all types of aircraft, regardless of wing loading or horsepower.

Specifications:
Thread Count: 73 x 65/inch
Weight: 2.79 oz/sq yd
Breaking Strength: Average 105 lb/inch
Tear Strength: Warp 98 lb, Fill 113 lb

Ceconite 102 Fabric, 70" wide, per yard ..... 102-70 ..... **$15.78**
Ceconite 102 Fabric, 70" wide, 50 yard roll ..... 102-70FRL **$789.00**

Ceconite Tapes

Surface Tapes

- All tapes are sold by the roll
- Available in various widths
- Edge types: Straight, Pinked, Biased/Pinked

Straight Edge Surface Tape

1″ wide, 50 yard roll ..... 100-PF-50 ..... **$28.20**
1½″ wide, 50 yard roll ..... 150 ..... **$37.80**
2″ wide, 50 yard roll ..... 200 ..... **$45.90**
3″ wide, 50 yard roll ..... 300 ..... **$68.52**
4″ wide, 50 yard roll ..... 400 ..... **$80.34**
6″ wide, 50 yard roll ..... 600 ..... **$95.82**

Pinked Edge Surface Tape

1″ wide, 25 yard roll ..... 103 ..... **$28.14**
1½″ wide, 25 yard roll ..... 152 ..... **$30.36**
2″ wide, 50 yard roll ..... 202 ..... **$45.84**
3″ wide, 25 yard roll ..... 302-PF-25 ..... **$44.40**
4″ wide, 25 yard roll ..... 402-PF-25 ..... **$50.70**
6″ wide, 25 yard roll ..... 602-PF-25 ..... **$65.40**

Biased/Pinked Surface Tape

2″ wide, 25 yard roll ..... 204 ..... **$42.84**
3″ wide, 25 yard roll ..... 304-PF-25 ..... **$60.90**
4″ wide, 25 yard roll ..... 404 ..... **$75.72**

Finishing Tapes

- All tapes are sold by the roll

Polyester Reinforcing Tape, ⅜″ wide, 60 yards ..... 3/8RT-PF **$84.24**
Polyester Reinforcing Tape, ½″ wide, 60 yards ..... 1/2RT-PF **$96.43**
Polyester Reinforcing Tape, ¼″ wide, 60 yards ..... 1/4RT **$67.10**
Anti-Chafing Tape, 1″ wide, 60 yards ..... 1.0ACT **$20.05**
Inter-Rib Bracing Tape, ½″ wide, 36 yards ..... 1/2RB **$54.33**

Order online at www.univair.com or call toll free 1-888-433-5433

Ceconite Threads and Cords

Ceconite Threads and Cords

- Threads and cords are sold by the spool

Machine Sewing Thread, 500 yards ..... D-69 ..... **$55.20**
Hand Sewing Thread, 250 yards ..... D-207 ..... **$18.92**
Rib Lace Cord, 600 yards ..... D-693 ..... **$59.76**

Poly-Fiber Fabrics

Heavy Duty Fabric ..... 1-HEAVY ..... **$17.58 per yard**

Recommended for the most severe operating conditions and very high wing loading aircraft. Weight: 3.4 oz/sq yd. Thread Count: 144 x 57/in.

Medium Fabric ..... 1-MEDIUM ..... **$15.78 per yard**

Recommended for normal service and widely used on all types of aircraft, regardless of wing loading or horsepower. Weight: 2.79 oz/sq yd. Thread Count: 73 x 65/in.

Uncertified Light Fabric ..... 1-LIGHTU ..... **$11.58 per yard**

Recommended for covering plywood surfaces on any aircraft and any ultralight aircraft that is not certified. Weight: 1.87 oz/sq yd. Thread Count: 90 x 76/in.

Poly-Fiber Instructional Items

Poly-Fiber Covering Video

EAA SportAir two-hour video, demonstrating the entire process, from surface preparation through color coat application.

DVD ..... 11-PFDVD **$39.95**

Poly-Fiber Practice Kit

If you're thinking of building a fabric-covered airplane but are wondering what the covering process is like, this is the perfect answer. You get a practice frame, fabric, tapes, needles, rib lacing cord, thermometer, instructions, and all the coatings you need to work through the Poly-Spray stage. There's enough of everything to do the entire process twice. You'll see how easy and enjoyable fabric covering really is.

Practice Kit ..... 11-INTROKIT **$78.00**

Ceconite/Randolph Material Estimates

These estimates are furnished to assist in selecting quantities of basic materials. For additional aircraft models, please refer to the material estimates chart in the Ceconite Procedure Manual 101. If your aircraft is not listed, use the numbers for the most similar aircraft and you'll get a close approximation of quantities. Final determination of quantities is the option of the customer.

Aircraft and Components	Ceconite Fabric (70" wide) Yards	New Super Seam Cement Qt/Gal	Rand-O-Proof Nitrate Dope Gallon	286 Nitrate Thinner Gallon	Polyester Finishing Tape Rolls Qty x Width B = Biased	Rib Lacing Cord	Reinforcing Tape (Width same as cap strip) Qty x Width	Clear Non-Tautening Butyrate Dope Gallon	Rand-O-Fill Silver Butyrate Dope Gallon	9703 Butyrate Thinner for Clear BD and Rand-O-Fill Gallon	Y-9910 Universal Blush Retarder Gallon	Colored Butyrate Dope Top Coat* Gallon	9703 Butyrate Thinner for Colored Butyrate Gallon	OPTIONAL: Ranthane HS Polyurethane Finish* Gallon
Aeronca Champion, Aeronca Chief, Callair, Citabria, Funk, Interstate Cadet, Piper J-3, J-4, J-5, PA-11, PA-12, PA-14, PA-18, PA-25, Porterfield, Rearwin, Taylorcraft, and other light aircraft of similar size and configuration														
Complete Aircraft	45	1 Gal	5	5	1x1", 7x2", 2x3", 1x4", 1x3"B, 1x4"B	1	2x½"	10	10	20	4	10	10	4
2 Wings and Ailerons	25	2 Qt	2¾	2¾	4x2", 2x3", 1x4", 1x4"B	1	2x½"	5½	5½	11	2¼	5½	5½	2½
Fuselage	11	1 Qt	1¼	1¼	1x1", 2x2"			2½	2½	5	1	2½	2½	1
5 Tail Surfaces	9	1 Qt	1	1	2x2", 1x3"B	50 ft	1x½"	2	2	4	1	2	2	1
Complete Less Fuselage	34	3 Qt	3¾	3¾	5x2", 2x3" 1x4", 1x3"B, 1x4"B	1	2x½"	7½	7½	15	3	7½	7½	3
Complete Less 2 Wings	20	2 Qt	2¼	2¼	1x1", 3x2", 1x3"B	50 ft	1x½"	4½	4½	9	1¾	4½	4½	2
All Control Surfaces	11	1 Qt	1¼	1¼	2x2", 1x3", 1x3"B	50 ft	1x½"	2½	2½	5	1	2½	2½	1
Piper PA-15, PA-16, PA-17, PA-20, PA-22, and other light aircraft of similar size and configuration														
Complete Aircraft	40	1 Gal	4½	4½	1x1", 6x2", 2x3", 1x4", 1x3"B, 1x4"B	1	1x½"	9	9	18	3½	9	9	3¾
Fuselage	11	1 Qt	1¼	1¼	1x1", 2x2"			2½	2½	5	1	2½	2½	1
2 Wings and Ailerons	24	2 Qt	2¾	2¾	4x2", 2x3", 1x4", 1x4"B	1	1x½"	5½	5½	11	2¼	5½	5½	2¼
5 Tail Surfaces	9	1 Qt	1	1	2x2", 1x3"B	50 ft	1x½"	2	2	4	1	2	2	1
Complete Less Fuselage	29	3 Qt	3¼	3¼	5x2", 2x3", 1x4", 1x3"B, 1x4"B	1	1x½"	6½	6½	13	2½	6½	6½	2¾
Complete Less 2 Wings	28	1 Gal	3¼	3¼	1x1", 3x2", 1x3"B	50 ft	1x½"	6¼	6¼	12½	2½	6¼	6¼	2½
Aeronca 15AC Fuselage and Tail	30	2 Qt	3½	3½	1x1", 2x2", 1x3", 1x4"B		1x⅜"	6¾	6¾	13½	2¾	6¾	6¾	2¾
Beech Staggerwing D-17 and Waco Cabin	70	1 Gal 2 Qt	7¾	7¾	2x1", 14x2", 2x3", 1x4", 1x3"B, 1x4"B	2	6x⅜"	15½	15½	31	6¼	15½	15½	6¼
Cessna 120, 140, 170 Wings	25	1 Qt	2¾	2¾	4x2", 1x3", 1x4", 1x4"B		1x½"	5½	5½	11	2¼	5½	5½	2½
Ercoupe Both Wings	17	1 Qt	2	2	2x2", 1x3", 1x4", 1x4"B		1x½"	3¾	3¾	7½	1½	3¾	3¾	1½
Luscombe Model 8	22	1 Qt	2½	2½	4x2", 1x3", 1x4"	1	1x½"	5	5	10	2	5	5	2
Stinson 108 Series Complete Aircraft	40	2 Qt	4½	4½	1x1", 6x2", 1x3", 1x4"		1x½"	9	9	18	3½	9	9	3¾
Fuselage	14	2 Qt	1½	1½	1x1", 2x2"			3¼	3¼	6½	1¼	3¼	3¼	1½
2 Wings and Ailerons	25	1 Qt	2¾	2¾	5x2", 1x3", 1x4"		1x½" 1x⅜"	5½	5½	11	2¼	5½	5½	2½

* Estimates for Colored Butyrate Dope and Ranthane finishes are for fabric covered areas and do not include metal surface areas.

Poly-Fiber Tapes

Polyester Finishing Tapes

Linear Pinked Tapes are available in light and medium weights. All styles of linear and bias finishing tape may be used interchangeably.

Bias Pinked Tapes (weave pattern 45° to the edge) are suggested for installation over compound surfaces such as around wingtips and tail surfaces. Bias tape will stretch to conform to the required contour without heat shrinking edges or cutting and notching to remove excess fabric.

Linear Pinked Tapes, Medium Weight (2.7 oz)

1″ width, 25 yard roll	1-MEDIUM1	**$28.14**
2″ width, 50 yard roll	1-MEDIUM2	**$45.84**
3″ width, 25 yard roll	1-MEDIUM3	**$44.40**
4″ width, 25 yard roll	1-MEDIUM4	**$50.70**
6″ width, 25 yard roll	1-MEDIUM6	**$65.40**

Linear Pinked Tapes, Light Weight (1.7 oz)

2″ width, 25 yard roll	1-LIGHT2X25	**$36.36**
2″ width, 50 yard roll	1-LIGHT2	**$45.04**
3″ width, 25 yard roll	1-LIGHT3	**$44.40**
4″ width, 25 yard roll	1-LIGHT4	**$49.70**
6″ width, 25 yard roll	1-LIGHT6	**$65.40**

Bias Pinked Tapes, 45° Cut (2.4 oz)

2″ width, 25 yard roll	1-BIAS2	**$42.84**
3″ width, 25 yard roll	1-BIAS3	**$60.90**
4″ width, 25 yard roll	1-BIAS4	**$75.72**

Polyester Rib Lace Reinforcing Tape

A custom woven high-strength polyester filament twill tape with a paper-protected high-tack adhesive coating on one side for quick application and bonding.

¼″ wide, 60 yard roll	1-RT4	**$81.86**
⅜″ wide, 60 yard roll	1-RT3	**$84.24**
½″ wide, 60 yard roll	1-RT2	**$96.43**

Inter-Rib Bracing Tape

- Used to brace ribs before covering

½″ wide, 36 yard roll	1-IRT2	**$54.33**
1″ wide, anti-chafe, 60 yard roll	11-MTC	**$20.05**

Order online at www.univair.com

Poly-Fiber Threads and Cords

A) Polyester Machine Sewing Thread: 10 lb tensile strength, 4-ply thread, 500 yards.

B) Polyester Hand Sewing Thread: 15 lb tensile strength, 3-ply uncoated thread, 250 yards.

C) Polyester Rib Lacing Cord: Two styles of lacing cord are available, both impregnated with micro-crystalline fungicidal wax.

C-1) Standard round 4-ply, .035″ dia., 60 lb tensile strength. 400 yards.

C-2) Flat braided cord, .012″ thick by .080″ width (approximate), 50 lb tensile strength. Recommended when the minimum rib cord protrusion is desired. 500 yards.

A) Machine Thread, 500 yard spool	1-TM	**$55.20**
B) Hand Sewing Thread, 250 yard spool	1-TH	**$18.92**
C-1) Standard Rib Lacing Cord, 400 yard spool	1-TS	**$59.76**
C-2) Flat Rib Lacing Cord, 500 yard spool	1-TF	**$59.76**

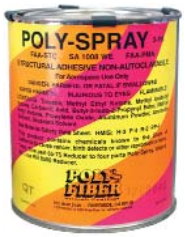
PF Cements and Sub-Coatings

Poly-Tak Fabric Cement

A high-strength, fast-drying, one part cement manufactured from a proprietary formula specifically to attach polyester fabric to airframes. Also an excellent cement for cotton, linen, and glass fiber, and will adhere to most surfaces for shear load bonding. Add methyl ethyl ketone (MEK) when necessary to reduce viscosity due to solvent evaporation from an open container.

1 quart	2-PT-3	**$38.94**
1 gallon	2-PT-4	**$142.52**

Poly-Spray



Applied just before the final paint color, this silver coating protects the fabric against ultra violet (UV) rays. Also used as a sanding base to develop a smooth finish. Reduce with Poly-Fiber Reducer.

1 quart	2-PS-3	**$36.08**
1 gallon	2-PS-4	**$119.35**

Poly-Brush

Poly-Brush is a fabric sealer, used to close the "pores" of bare fabric and prepare it for subsequent coatings. Also used to attach finishing tapes. Provides twice the peel resistance as nitrate dope on polyester fabric. Thin with R-65-75 reducer.

Tinted (With Red Oxide)

1 quart ..... 2-PB-3 ..... **$36.48**
1 gallon ..... 2-PB-4 ..... **$121.36**

Clear

1 quart ..... 2-PBU-3 ..... **$33.17**
1 gallon ..... 2-PBU-4 ..... **$110.33**

PF Reducer, Retarder, Rejuvenator

RJ-1200 Rejuvenator

A proprietary formula containing the correct proportions of the same plasticizers used in the Poly-Fiber coatings with penetrating solvents to carry the plasticizers into the old coating and restore the original flexibility.

1 quart ..... 2-RJ-3 ..... **$38.16**
1 gallon ..... 2-RJ-4 ..... **$114.94**

BR-8600 Blush Retarder

A rich, slow-drying solvent blend to be used in Poly-Tone, Poly-Brush, and Poly-Spray. Prevents blushing and improves flowing and gloss under conditions of high humidity and/or high temperature.

1 quart ..... 2-86-3 ..... **$27.26**

R-65-75 Reducer

A blend of solvents used for viscosity and drying control of Poly-Brush, Poly-Spray, and Poly-Tone. Reducer R-65-75 is the standard reducer recommended for viscosity control in normal temperatures 65° and 75° F.

1 quart ..... 2-65-3 ..... **$27.64**
1 gallon ..... 2-65-4 ..... **$68.28**

RR-8500 Reducer Retarder

A blend of solvents used for viscosity and drying control of Poly-Brush, Poly-Spray, and Poly-Tone. Recommended for use in temperatures above 85°F to produce the proper coating flow-out and avoid blush in warm, humid weather.

1 quart ..... 2-85-3 ..... **$27.97**
1 gallon ..... 2-85-4 ..... **$62.66**

UE-820 Urethane Reducer

A solvent blend for use in Aero-Thane. Mix 4 parts catalyzed Aero-Thane to 1 part UE-820 reducer; allow 20 minutes induction time before application.

1 quart ..... 6-820-3 ..... **$30.50**
1 gallon ..... 6-820-4 ..... **$90.48**

UR-826 Urethane Retarder

A blend of slow-drying solvents for use in Aero-Thane and urethane varnish to retard the surface drying time. Add 1 to 6 fluid ounces per gallon of catalyzed enamel when necessary.

1 quart ..... 6-826-3 ..... **$46.73**
1 gallon ..... 6-826-4 ..... **$127.72**

Poly-Fiber Finishing Products

SuperFil

An ultra lightweight corrosion inhibiting filler for aircraft, marine, and automotive use. Adheres to composites, bare aluminum, steel, and bare or varnished wood. Epoxy resin with non-MDA hardener. Apply EP-420 Epoxy Primer directly over SuperFil.

SuperFil Epoxy Filler Kit, 1 quart ..... 8-EF-3 ..... **$45.11**

Poly-Fiber Cleaners

C-2210 Paint Surface Cleaner

A mild blend formulated to remove oil, silicone, wax, and other contaminants from all painted or primed surfaces without biting into or damaging the coating.

1 quart ..... 2-2210-3 ..... **$23.17**
1 gallon ..... 2-2210-4 ..... **$64.25**

310 Alkaline Cleaner

An effective, penetrating, general purpose detergent cleaner. Concentrated solution – dilute as necessary with up to 32 parts water. Not harsh on hands; has a pleasant lemon fragrance. Can be used as an extra-strength household cleaner and liquid hand soap.

1 quart ..... 9-310-3 ..... **$16.87**
1 gallon ..... 9-310-4 ..... **$45.82**

PF Varnishes and Primers

U-865 Urethane Catalyst

An aliphatic polyisocyanate in a solvent blend for use in Aero-Thane and urethane varnish. Refer to directions on the base component listing.

½ pint ..... 6-865-1 ..... **$41.73**
1 quart ..... 6-865-3 ..... **$128.12**

Generic Solvents and Thinners

All of our generic solvents and thinners listed below will come in a plain container with a Univair label.

Mineral Spirits

1 quart ..... PR10031 ..... **$2.78**
1 gallon ..... PR10032 ..... **$8.42**
5 gallon ..... PR10033 ..... **$37.54**
55 gallon ..... PR10034 ..... **$774.25**

Acetone

1 quart ..... PR10035 ..... **$6.69**
1 gallon ..... PR10036 ..... **$17.86**
5 gallon ..... PR10037 ..... **$89.28**
55 gallon ..... PR10038 ..... **$982.10**

Generic Thinners

Ideal for cleaning spray guns and other painting equipment. Not recommended for use with Randolph or Ceconite processes.

Nitrate Thinner

1 quart ..... 06021A **$3.06**
1 gallon ..... 06022A **$11.78**
5 gallon ..... 06023A **$58.91**
55 gallon ..... 06024A **$624.38**

Butyrate Thinner

1 quart ..... 05021A **$5.10**
1 gallon ..... 05022A **$15.32**
5 gallon ..... 05023A **$76.59**
55 gallon ..... 05024A **$673.98**

Please note that HAZMAT items (flammable and/or corrosive) cannot be shipped outside the lower 48 U.S. states.

Spray Paints and Primers

- Available in 12 ounce spray cans
- From Tempo and PlastiKote brands
- Cannot be shipped to Hawaii, Alaska or international addresses

Red Oxide Sanding Primer ..... T-234 Red ..... 7-3000 ..... **$8.54**
Yellow Zinc Phosphate Primer ..... A-701 Yellow ..... A701 ..... **$18.99**
Green Zinc Phosphate Primer ..... A-702 Green ..... A702 ..... **$25.33**
Flat Black Lacquer ..... A-810 Black ..... A810 ..... **$15.69**
Black Wrinkle Enamel ..... 217 Black ..... 10-101 ..... **$11.03**
Aircraft Engine Enamel ..... Continental Gold ..... A239 ..... **$18.00**

Miscellaneous Covering Supplies

Description	Part #	Price
Plastic Drain Grommet, ¾" diameter, Pkg of 100	AN231-2	**$34.00**
Plastic Seaplane Drain Grommet, 1 3/16" diameter	AN231-4	**$0.31**
Rib Stitching Needles		
10"	BRN10	**$5.00**
12"	BRN12	**$8.24**
16"	BRN16	**$8.78**
18"	BRN18	**$12.40**
Curved Fabric Stitching Needles		
3"	11-CN3	**$4.70**
6"	11-CN6	**$7.35**
12"	11-RNC12	**$21.40**
Calibration Thermometer	11-THERMO5911N	**$14.40**
Woven Cotton Chafe Strip, ¾" wide, sold by yard	CHAFE	**$1.46**
Cotton Woven Reinforcing Tape, ½" wide, 36 yards	RV3002-36	**$31.73**
#9 Waxed Linen Lacing Cord, 400 yards	RV4001	**$59.42**
Flat Rib Lace Cord, 500 yards	SF-694-500	**$46.12**

Fabric Patches

- Pinked grade A dollar patches
- 2" diameter
- Package of 100

Fabric Patches ..... 5001 ..... **$31.40**

Silicone Heat Sink Compound

- Thermal dielectric compound
- For more accurate thermal transfer during iron calibration
- Dissipates heat buildup
- Stable from -40° to 500°
- Will not dry out or harden

1 ounce tube ..... 11-HEATSINK **$15.80**

Poly-Tone

A durable one part, air drying, flexible coating available in over 50 popular aircraft colors. Poly-Tone is manufactured from the same generic class of petrochemical feed stock as Poly-Tak, Poly-Brush, and Poly-Spray, and is considered to be our "standard" pigmented finish for the Poly-Fiber covering process. The thermal expansion and elasticity are the same as all sub-coats, and there is no inter-coat adhesion problem if the surface is clean. Poly-Tone is non shrinking, non bleeding, fire retardant, chemical resistant, and is used on both metal and fabric. It air dries to a satin gloss finish and can be polished to a high luster equal in appearance to any cellulose dope, lacquer, or synthetic enamel finish.

1 Quart.....Prices starting at **$38.16**
1 Gallon .....Priced starting at **$126.82**

Prices vary by color – see chart on next page.

Aero-Thane

A tough, flexible, solvent, chemical, abrasion, and weather resistant high gloss, two part polyurethane recommended as the best quality fabric finish over Poly-Fiber covering materials, and all primed metal and glass fiber composite components on fabric-covered aircraft. Also recommended to refinish suitably rejuvenated nitrate and butyrate dope-coated aircraft fabric surfaces, all old sound finishes on metal and glass fiber aircraft components, old finishes on glass fiber or metal boat hulls, automotive, truck, and industrial equipment.

Aero-Thane cans are sold ¾ full to accommodate the addition of U-865 catalyst.

1 Quart.....Prices starting at **$56.85**
1 Gallon .....Prices starting at **$185.75**

Prices vary by color – see chart on next page.

NOTES

POLY FIBER Aircraft Coatings

Poly-Tone Finish

COLOR	1 QUART		1 GALLON	
Black, Dakota	3-215-3	$43.68	3-215-4	$152.90
Blue, AN (True)	3-173-3	$43.68	3-173-4	$152.90
Blue, Bahama	3-170-3	$43.68	3-170-4	$152.90
Blue, Christen Eagle	3-177-3	$43.68	3-177-4	$152.90
Blue, Insignia	3-176-3	$43.68	3-176-4	$152.90
Blue, Lakeland	3-165-3	$43.68	3-165-4	$152.90
Blue, Piper Trainer	3-318M-3	$43.68	3-318M-4	$152.90
Brown, Elsinore	3-203-3	$43.68	3-203-4	$152.90
Cream, Diana	3-131-3	$43.68	3-131-4	$152.90
Cream, Tucson	3-125-3	$43.68	3-125-4	$152.90
Gold, Reno	3-301M-3	$66.79	3-301M-4	$240.19
Green, Cuby Sport Trainer	3-157-3	$37.02	3-157-4	$129.58
Green, Everglades	3-151-3	$37.02	3-151-4	$129.58
Green, Federal	3-208A-3	$43.68	3-208A-4	$152.90
Green, Forest	3-160-3	$43.68	3-160-4	$152.90
Green, Oak	3-212-3	$43.68	3-212-4	$152.90
Green, Portland	3-156-3	$37.02	3-156-4	$129.58
Grey, AG Cat	3-213-3	$43.68	3-213-4	$152.90
Grey, Federal	3-213A-3	$43.68	3-213A-4	$152.90
Grey, Jasper	3-219-3	$43.68	3-219-4	$152.90
Grey, Polar	3-210-3	$43.68	3-210-4	$152.90
Ivory, Sun Valley	3-132-3	$43.68	3-132-4	$152.90
Maroon, Boston	3-196-3	$43.68	3-196-4	$152.90
Maroon, Stinson	3-197-3	$43.68	3-197-4	$152.90
Olive Drab	3-208-3	$43.68	3-208-4	$152.90
Orange, Cruiser	3-180-3	$43.68	3-180-4	$152.90
Orange, International	3-183-3	$43.68	3-183-4	$152.90
Orange, Pumpkin	3-182-3	$43.68	3-182-4	$152.90
Purple, Christen Eagle	3-361-3	$43.68	3-361-4	$152.90
Red, Christen Eagle	3-187-3	$43.68	3-187-4	$152.90
Red, Madrid	3-189-3	$43.68	3-189-4	$152.90
Red, Pontiac	3-191-3	$43.68	3-191-4	$152.90
Red, Santa Fe	3-195-3	$43.68	3-195-4	$152.90
Red, Tennessee	3-190-3	$43.68	3-190-4	$152.90
Silver, Nevada	3-220M-3	$43.68	3-220M-4	$152.90
Silver, Rancho	3-222M-3	$43.68	3-222M-4	$152.90
Tan, Bermuda	3-205-3	$43.68	3-205-4	$152.90
White, Daytona	3-120-3	$38.16	3-120-4	$126.82
White, Glacier	3-117-3	$38.16	3-117-4	$126.82
White, Insignia	3-105-3	$38.16	3-105-4	$126.82
White, Juneau	3-110-3	$38.16	3-110-4	$126.82
Yellow, AG Cat	3-242-3	$43.68	3-242-4	$152.90
Yellow, Champion	3-240-3	$43.68	3-240-4	$152.90
Yellow, Cub	3-143-3	$43.68	3-143-4	$152.90
Yellow, Federal	3-139-3	$43.68	3-139-4	$152.90
Yellow, J-3 OEM	3-146-3	$43.68	3-146-4	$152.90
Yellow, Lemon	3-136-3	$43.68	3-136-4	$152.90
Yellow, Lockhaven	3-145-3	$43.68	3-145-4	$152.90
Yellow, Orange	3-140-3	$43.68	3-140-4	$152.90
Yellow/Orange, Christen Eagle	3-142A-3	$43.68	3-142A-4	$152.90

Aero-Thane*

1 QUART		1 GALLON	
4-215-3	$65.62	4-215-4	$216.38
4-173-3	$65.62	4-173-4	$216.38
4-170-3	$65.62	4-170-4	$216.38
4-177-3	$65.62	4-177-4	$216.38
4-176-3	$65.62	4-176-4	$216.38
4-165-3	$65.62	4-165-4	$216.38
4-318M-3	$65.62	4-318M-4	$216.38
4-203-3	$65.62	4-203-4	$216.38
4-131-3	$65.62	4-131-4	$216.38
4-125-3	$65.62	4-125-4	$216.38
4-301M-3	$65.62	4-301M-4	$216.38
4-157-3	$65.62	4-157-4	$216.38
4-151-3	$65.62	4-151-4	$216.38
4-208A-3	$65.62	4-208A-4	$216.38
4-160-3	$65.62	4-160-4	$216.38
4-212-3	$65.62	4-212-4	$216.38
4-156-3	$65.62	4-156-4	$216.38
4-213-3	$65.62	4-213-4	$216.38
4-213A-3	$65.62	4-213A-4	$216.38
4-219-3	$65.62	4-219-4	$216.38
4-210-3	$65.62	4-210-4	$216.38
4-132-3	$65.62	4-132-4	$216.38
4-196-3	$65.62	4-196-4	$216.38
4-197-3	$65.62	4-197-4	$216.38
4-208-3	$65.62	4-208-4	$216.38
4-180-3	$65.62	4-180-4	$196.71
4-183-3	$65.62	4-183-4	$216.38
4-182-3	$65.62	4-182-4	$216.38
4-361-3	$65.62	4-361-4	$216.38
4-187-3	$65.62	4-187-4	$216.38
4-189-3	$65.62	4-189-4	$216.38
4-191-3	$65.62	4-191-4	$216.38
4-195-3	$65.62	4-195-4	$216.38
4-190-3	$65.62	4-190-4	$216.38
4-220M-3	$65.62	4-220M-4	$216.38
4-222M-3	$65.62	4-222M-4	$216.38
4-205-3	$65.62	4-205-4	$216.38
4-120-3	$56.85	4-120-4	$185.75
4-117-3	$56.85	4-117-4	$185.75
4-105-3	$56.85	4-105-4	$185.75
4-110-3	$56.85	4-110-4	$185.75
4-242-3	$65.62	4-242-4	$216.38
4-240-3	$65.62	4-240-4	$216.38
4-143-3	$65.62	4-143-4	$216.38
4-139-3	$65.62	4-139-4	$216.38
4-146-3	$65.62	4-146-4	$216.38
4-136-3	$65.62	4-136-4	$216.38
4-145-3	$65.62	4-145-4	$216.38
4-140-3	$65.62	4-140-4	$216.38
4-142A-3	$65.62	4-142A-4	$216.38

* Catalyst U-865 sold separately. Aero-Thane cans are sold ¾ full to accommodate the addition of catalyst.

Poly-Fiber Material Estimates

These estimates are furnished to assist in selecting quantities of basic materials. For additional aircraft models, please refer to the material estimates chart in the manual *How To Cover An Aircraft Using the Poly-Fiber System*. If your aircraft is not listed, use the numbers for the most similar aircraft and you'll get a close approximation of quantities. Final determination of quantities is the option of the customer.

Aircraft and Components	Fabric (70" wide) Yards	Poly-Tak Fabric Cement Qt/Gal	Poly-Brush Gallon	Poly-Spray Gallon	R 65-75 or RR 8500 Reducer Gallon	Polyester Finishing Tape Rolls Qty x Width B = Biased	Rib Lacing Cord	Reinforcing Tape (Width same as cap strip) Qty x Width	Poly-Tone Pigmented Finish* Gallon	R 65-75 or RR 8500 Reducer for Poly-Tone Gallon	OPTIONAL: Aero-Thane Polyurethane Finish* Gallon	OPTIONAL: Ranthane HS Polyurethane Finish* Gallon
Aeronca Champion, Aeronca Chief, Callair, Citabria, Funk, Interstate Cadet, Piper J-3, J-4, J-5, PA-11, PA-12, PA-14, PA-18, PA-25, Porterfield, Rearwin, Taylorcraft, and other light aircraft of similar size and configuration												
Complete Aircraft	45	1 Gal	10	11	6	1x1", 7x2", 2x3", 1x4", 1x3"B, 1x4"B	1	2x½"	10	2½	6	4
2 Wings and Ailerons	25	2 Qt	5½	6	3½	4x2", 2x3", 1x4", 1x4"B	1	2x½"	5½	1½	3½	2½
Fuselage	11	1 Qt	2½	2¾	1½	1x1", 2x2"			2½	3 Qt	1½	1
5 Tail Surfaces	9	1 Qt	2	2¼	1¼	2x2", 1x3"B	50 ft	1x½"	2	2 Qt	1¼	1
Complete Less Fuselage	34	3 Qt	7½	8½	5	5x2", 2x3", 1x4", 1x3"B, 1x4"B	1	2x½"	7½	2	4½	3
Complete Less 2 Wings	20	2 Qt	4½	5	3	1x1", 3x2", 1x3"B	50 ft	1x½"	4½	1¼	2¾	2
All Control Surfaces	11	1 Qt	2½	2¾	1½	2x2", 1x3", 1x3"B	50 ft	1x½"	2½	3 Qt	1½	1
Piper PA-15, PA-16, PA-17, PA-20, PA-22, and other light aircraft of similar size and configuration												
Complete Aircraft	40	1 Gal	9	10	5½	1x1", 6x2", 2x3", 1x4", 1x3"B, 1x4"B	1	1x½"	9	2¼	5½	3¾
Fuselage	11	1 Qt	2½	2¾	1½	1x1", 2x2"			2½	3 Qt	1½	1
2 Wings and Ailerons	24	2 Qt	5½	6	3½	4x2", 2x3", 1x4", 1x4"B	1	1x½"	4½	1¼	3¼	2¼
5 Tail Surfaces	9	1 Qt	2	2¼	1¼	2x2", 1x3"B	50 ft	1x½"	2	2 Qt	1¼	1
Complete Less Fuselage	29	3 Qt	6½	7	4	5x2", 2x3", 1x4", 1x3"B, 1x4"B	1	1x½"	6½	1¾	4	2¾
Complete Less 2 Wings	28	1 Gal	6¼	7	4	1x1", 3x2", 1x3"B	50 ft	1x½"	6¼	1½	3¾	2½
Aeronca 15AC Fuselage and Tail	30	2 Qt	6¾	7½	4	1x1", 2x2", 1x3", 1x4"B		1x⅜"	6¾	1¾	4	2¾
Beech Staggerwing D-17 and Waco Cabin	70	1 Gal 2 Qt	15½	17	9½	2x1", 14x2", 2x3", 1x4", 1x3"B, 1x4"B	2	6x⅜"	15½	4	9½	6¼
Cessna 120, 140, 170 Wings	25	1 Qt	5½	6	3½	4x2", 1x3", 1x4", 1x4"B		1x½"	5½	1½	3½	2½
Ercoupe Both Wings	17	1 Qt	3¾	4¼	2½	2x2", 1x3", 1x4", 1x4"B		1x½"	3¾	1	2¼	1½
Luscombe Model 8	22	1 Qt	5	5½	3	4x2", 1x3", 1x4"	1	1x½"	5	1¼	3	2
Stinson 108 Series Complete Aircraft	40	2 Qt	9	9¾	5½	1x1", 6x2", 1x3", 1x4"		1x½"	9	2¼	5½	3¾
Fuselage	14	2 Qt	3	3½	2	1x1", 2x2"			3	1	2	1½
2 Wings and Ailerons	25	1 Qt	5½	6	3½	5x2", 1x3", 1x4"		1x½", 1x⅜"	5½	1½	3½	2½

* Estimates for Poly-Tone, Aero-Thane, and Ranthane finishes are for fabric covered areas and do not include metal surface areas.

PROPELLERS

CONTENTS

McCauley Fixed-Pitch Propellers 220
Sensenich Aluminum Propellers 244
Sensenich Wooden Propellers 249

Note that Univair does not stock all of the propellers listed in this section. Non-stocked propellers require 4-6 months for delivery. If you wish to know the availability of a propeller before purchasing, please call us during regular business hours at 1-888-433-5433 (+1-303-375-8882 international).

McCauley Fixed-Pitch Propellers

McCauley MET-L-PROP

A bolt kit is furnished with each propeller. The bolt kit for a flange shaft will be sent for all Continental engines unless otherwise specified. Proper spacer or adapter is included where necessary. Note that we do not stock all of the propellers listed. Please call for the price and availability of any propeller not listed in our catalog.

Price chart on page 243

Aircraft Type: A = Amphibian • F = Floatplane • L = Landplane • S = Skiplane • Engine Type: FR = Franklin • LY = Lycoming • STC = STC modified engine • TCM = Continental/Rolls Royce

Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
AERO COMMANDER (Dynac Aerospace Corp, Christen Industries, Inc.)									
100-180 "Lark"		O-360-A2F, -MA-4-5 (LY)	-	CFA7660	-	76.0	76.0	D-3875	1
AERONCA (William J. Gores)									
65-C, 65-CA "ARMY L-3A"		A-65-3, -3J, -6, -6J, -7, -7J, -8, -8J, -9, -9J (TCM)	CF7441	CF7443	CF7445	74.0	72.5	-	1
AERONCA (Burl A. Rogers)									
15AC "Sedan"		C-145-2 (TCM)	DM7647	DM7649	DM7653	76.0	74.0	-	1
			DM8040	DM8041	DM8042	80.0	73.0	-	2
			SFC8040	SFC8041	SFC8042	80.0	73.0	-	12
		O-300-A (TCM)	DM7647	DM7649	DM7653	76.0	74.0	-	12
			DM8040	DM8041	DM8042	80.0	73.0	-	1, 2
			SFC8040	SFC8041	SFC8042	80.0	73.0	-	12
		6A4-150-B3 (FR)	DM7649	DM7652	DM7654	76.0	74.0	-	12
			-	DM7647	-	76.0	74.0	-	1, 5
		O-360 (LY)	DFA8241	DFA8242	DFA8243	82.0	-	-	1, 4
S15AC "Sedan"		6A4-165-B3 (FR)	-	DM7647	-	76.0	74.0	-	1, 4
		O-360 (LY)	DFA8241	DFA8242	DFA8243	82.0	-	-	
	F	C-145-2 (TCM)	DM7643	DM7645	-	76.0	74.0	-	1, 3
			DM8040	DM8041	DM8042	80.0	73.0	-	12
			SFC8040	SFC8041	SFC8042	80.0	73.0	-	12
		O-300-A (TCM)	DM7643	DM7645	-	76.0	74.0	-	1, 3
			DM8040	DM8041	DM8042	80.0	73.0	-	12
			SFC8040	SFC8041	SFC8042	80.0	73.0	-	12
		6A4-150-B3 (FR)	DM7648	DM7649	-	76.0	74.0	-	1, 5
AERONCA (National Aeronca Association)									
O-58B "ARMY L-3B, L-3C", SO-58B		A-65-8 (TCM)	CF7441	CF7443	CF7445	74.0	72.5	-	1

Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
■ AMERICAN CHAMPION CORP (formerly Aeronca, Bellanca, and Champion)									
7AC "Champion"		A-65-8 (TCM)	CF7142	CF7144	CF7146	71.0	69.5	-	1
			-	CM7443	-	74.0	72.5	-	1
		O-200-A (TCM)	-	GCM6948	-	69.0	-	-	-
S7AC "Champion"	F	A-65-8 (TCM)	CF7142	CF7144	CF7146	71.0	69.5	-	1
7BCM "ARMY L-16A"		C85-8, -8F, -8J, -8FJ (TCM)	CF7142	CF7144	CF7146	71.0	69.5	-	1
			CM7142	CM7144	CM7146	71.0	69.5	-	1
7CCM "ARMY L-16B"		C90-8F, -8FJ (TCM)	CM7341	CM7343	CM7345	73.0	71.5	-	1
S7CCM "ARMY L-16B"	F	C90-8F, -8FJ (TCM)	-	CM7341	CM7343	73.0	71.5	-	1
7DC "Champion"		C85-8, -8F, -8J, -8FJ (TCM)	CF7142	CF7144	CF7146	71.0	69.5	-	1
			CM7142	CM7144	CM7146	71.0	69.5	-	1
S7DC "Champion"	F	C85-8F (TCM)	-	CF7142	CF7144	71.0	69.5	-	1
7EC "Traveler"		C90-12F, -12FJ (TCM)	CM7343	CM7345	-	73.0	71.5	-	1
S7EC "Traveler"	F	C90-12F, -12FJ (TCM)	-	CM7341	CM7343	73.0	71.5	-	1
7ECA "Citabria"		O-200-A (TCM)	-	ACM6948	-	69.0	67.5	-	1
		O-235-C1 (LY)	ALM7243	ALM7246	ALM7250	72.0	70.5	-	1
		O-235-C1 (LY)	CLM7243	CLM7246	CLM7250	72.0	70.5	-	1
7ECA "Citabria"	F	O-200-A (TCM)	-	LCM7534	-	75.0	71.0	-	
7FC "Tri Traveler"		C90-12F, -12FJ (TCM)	CM7343	CM7345	-	73.0	71.5	-	1
7GC "Sky Trac"		O-290-D2B (LY)	GM7448	GM7450	GM7455	74.0	72.5	-	1
			-	GM7645	-	76.0	74.5	-	1, 12
7GCA "Sky Trac"		O-320-A2B (LY)	GM7450	GM7452	GM7455	74.0	72.5	-	1
			-	GM7646	-	76.0	74.5	-	1, 12
7GCAA "Citabria"		O-320-A2B, -A2D, -C2B (LY)	AGM7250	AGM7254	AGM7260	72.0	70.5	-	1
7GCB "Challenger"		O-320-A2B (LY)	GM7448	GM7452	GM7455	74.0	72.5	-	1
			MGM7456	MGM7458	MGM7460	74.0	72.5	-	1
			-	GM8042	-	80.0	-	-	
7GCBA "Challenger"		O-320-A2B (LY)	GM7448	GM7452	GM7455	74.0	72.5	-	1
			MGM7456	MGM7458	MGM7460	74.0	72.5	-	1, 12
7GCBC "Citabria"		O-235-C1 (LY)	ALM7243	ALM7246	ALM7250	72.0	70.5	-	1
			CLM7243	CLM7246	CLM7250	72.0	70.5	-	1
		O-320-A2B, -A2D, -C2B (LY)	AGM7250	AGM7254	AGM7260	72.0	70.5	-	1
S7GCBC "Citabria"	F	O-320-A2B, -A2D, -C2B (LY)	-	AGM7250	AGM7254	72.0	70.5	-	1, 12
			-	AGM7649	-	76.0	74.5	-	1, 12
			-	GMA8040	-	80.0	78.5	-	1, 12
7HC "DX'er"		O-290-D2B (LY)	GM7448	GM7450	GM7455	74.0	72.5	-	1
			-	GM7645	-	76.0	74.5	-	1, 12
7JC "Tri-Con"		C90-12F (TCM)	CM7343	CM7345	-	73.0	71.5	-	1
7KC "Olympia"		O-320-A2B (LY)	GM7448	GM7452	GM7455	74.0	72.5	-	1
			MGM7456	MGM7458	MGM7465	74.0	72.5	-	1
7KCAB "Citabria"		IO-320-E2A, -E2B, -E2B (LY)	AGM7250	AGM7254	AGM7260	72.0	70.5	-	1, 15
8GCBC "Scout"		O-360-C1A, -C1E, -C1G, -C2A, -C2E (LY)	-	HFA8041	-	80.0	79.0	-	1, 9
	F	O-360-C1A,-C1E, -C1G, -C2A, -C2E (LY)	-	HFA8040	-	80.0	79.0	-	1, 9, 12
11AC "Chief"		A-65-8 (TCM)	CF7443	CF7445	CF7447	74.0	72.5	-	1
			-	CM7045	-	70.0	-	-	
S11AC "Chief"	F	A-65-8F (TCM)	-	CF7443	CF7445	74.0	72.0	-	1

McCauley Application Guide (continued)

Price chart on page 243

Aircraft Type: A = Amphibian • F = Floatplane • L = Landplane • S = Skiplane • Engine Type: FR = Franklin • LY = Lycoming • STC = STC modified engine • TCM = Continental/ Rolls Royce

Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
11BC "Chief"		C85-8F (TCM)	CF7146	CF7148	CF7150	71.0	69.5	-	1
S11BC "Chief"	F	C85-8F (TCM)	-	CF7144	CF7146	71.0	69.5	-	1
11CC "Super Chief"		C85-8F (TCM)	CF7142	CF7144	CF7146	71.0	69.5	-	1
S11CC "Super Chief"	F	C85-8F (TCM)	CF7142	CF7144	CF7146	71.0	69.5	-	1
402 "Lancer"		O-200-A (TCM)	- -	MCM6948 MCM6953	- -	69.0 69.0	67.5 67.5	- -	11
■ BEAGLE (British Aerospace, Aircraft Group)									
B.121 Series 1 "Pup 100"		O-200-A (TCM)	-	SCM7053	-	70.0	68.5	-	-
■ BEECH (Raytheon Aircraft Company)									
A23-24 "Musketeer Super III", A24 "Super"		IO-360-A2B, -A2D (LY)	-	BFA7862	-	78.0	76.5	-	-
■ BELLANCA (Alexandria Aircraft LLC)									
14-13, -2, -3, -3W		6A4-165-B3 (FR)	-	DM7654	-	76.0	76.0	-	17
■ BÖLKOW (DaimlerChrysler Aerospace AG)									
JUNIOR		O-200-A (TCM)	-	MCM6758	-	67.0	67.0	-	-
BO-209-150 FF		O-320-E2C, -E2F (LY)	-	MGM7060	MGM7066	70.5	70.0	-	16
■ CALLAIR (Aircraft Parts & Development Corp.)									
A-2		O-290-A, -B, -C (LY)	-	LL7649	-	76.0	74.5	-	1
A-6		O-360-A1A, -C1A (LY)	FA8242	FA8244	FA8246	82.0	80.0	-	1
A-9 "Sparrow Commander"		O-540-B2B5 (LY)	- PFA8454 - PFA8454 -	FA8452 PFA8458 DFA9043 PFA8458 DFA9043	- - - - -	84.0 84.0 90.0 84.0 90.0	82.0 82.0 84.0 82.0 84.0	- C-3245 D-3328 - -	1, 6 1, 7 1 1 1
A-9B "Quail Commander"		IO-540-G1C5, -K1A5 (LY)	-	DFA9050	-	90.0	88.0	D-3328	1, 8
■ CESSNA									
120, 140, 140A		C85-12, -12F, -14F (TCM) C90-12F, -14F (TCM) O-200-A (TCM)	CF7146 CM7146 CF7150 CM7150 - -	CF7148 CM7148 CF7152 CM7152 MCM6952 DCM6952	CF7150 CM7150 CF7154 CM7154 - -	71.0 71.0 71.0 71.0 69.0 69.0	69.5 69.5 69.5 69.5 - -	- - - - - -	1 1 1 1 - -
	F	C85-12, -12F, -14F (TCM) C90-12F, -14F (TCM) O-290-D2 (LY)	- - - - -	CF7144 CM7144 CF7343 CM7343 GM8240	- - - - -	71.0 71.0 73.0 73.0 82.0	69.5 69.5 69.5 69.5 -	- - - - -	1 1 1 1 -
150, 150A, B, C, D, E, F, G, H, J, K		O-200-A (TCM)	- -	MCM6950 DCM6948	- -	69.0 69.0	67.5 67.5	- -	1 1
150, 150A, B, C, D, E, F, G, H, J, K, L, M A150K, L, M		O-320-A1A, -B1A, -B1B, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -C2B, -D1A, -D1B, -D2A, -D2B, -D2G, -D3G, -E2A, -E2C, -E2D (LY)	-	TM	-	74.0	72.5	-	1
150G, H, J, K		O-200-A (TCM)	-	DCM6948	-	69.0	67.0	-	1

Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
150G, H, J	F	O-200-A (TCM)	-	CF7535	CF7538	75.0	73.5	-	1
		O-320-A1A, -C2B, -E2A, -E2C, -E2D (LY)	-	TM	-	76.0	74.5	-	1
150K	F	O-200-A (TCM)	CF7535	-	CF7538	75.0	73.5	-	1
		O-320-A1A, -C2B, -E2A, -E2C, -E2D (LY)	-	TM	-	76.0	74.5	-	1
150L (1971-1974 models)		O-200-A (TCM)	-	OCM6948	-	69.0	67.5	-	1
150M		O-200-A (TCM)	-	OCM6948	-	69.0	67.5	-	1
			-	HCM6948	-	69.0	-	-	-
A150K "Aerobat"		O-200-A (TCM)	DCM6948	DCM6950	-	69.0	67.0	-	1
	F	O-320-A1A, -C2B, -E2A, -E2C, -E2D (LY)	-	TM	-	76.0	74.5	-	1
A150L "Aerobat" (1974 model)		O-200-A (TCM)	-	OCM6948	-	69.0	67.5	-	1
152		O-235-L2C (LY)	-	KCM7054	-	70.0	69.0	-	48
A152 "Aerobat"		O-320-E2D (LY)	-	TM7458	-	74.0	-	-	-
162 "Skycatcher"		O-200-D (TCM)	-	TCD6754	-	67.0	66.0	-	
170		C-145-2, O-300-A (TCM)	DM7651	DM7653	-	76.0	74.5	-	1
			MDM7653	MDM7655	MDM7656	76.0	74.5	-	1
			-	DM	-	80.0	-	-	1
		O-300-C, -D, -E (TCM)	EM7651	EM7653	EM7655	76.0	74.5	-	-
		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
	F	O-300-C, -D, -E (TCM)	-	SFC8040	-	80.0	-	-	-
170A		C-145, O-300-A, B (TCM)	-	DM	-	80.0	-	-	1
		C-145-2, -2H, O-300-A (TCM)	DM7651	DM7653	-	76.0	74.5	-	1
			MDM7653	MDM7655	MDM7656	76.0	74.5	-	1
		O-300-C, -D, -E (TCM)	EM7651	EM7653	EM7655	76.0	74.5	-	-
		6A4-165-B3 (FR)	DM7652	DM7654	-	76.0	74.5	-	1, 17
		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
	F	C-145, O-300-A, -B (TCM)	-	DM	-	80.0	-	-	1
		C-145-2, -2H, O-300-A (TCM)	-	DM7647	-	76.0	74.5	-	1
			-	MDM7649	-	76.0	74.5	-	1
		O-300-C, -D, -E (TCM)	-	SFC8040	-	80.0	-	-	-
		6A4-165-B3 (FR)	-	DM7649	DM7652	76.0	74.5	-	1, 17
170B		C-145, -2, -2H, O-300-A, -B (TCM)	-	DM	-	80.0	-	-	1
		C-145-2, -2H, O-300-A (TCM)	DM7651	DM7653	-	76.0	74.5	-	1
			MDM7653	MDM7655	MDM7656	76.0	74.5	-	1
		O-300-C, -D, -E (TCM)	EM7651	EM7653	EM7655	76.0	74.5	-	-
		6A4-165-B3 (FR)	DM7652	DM7654	-	76.0	74.5	-	1, 17
		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
	F	C-145, O-300-A, -B (TCM)	-	DM	-	80.0	-	-	1
		C-145-2 (TCM)	DM7647	DM7648	DM7649	76.0	74.5	-	1
			-	MDM7649	-	76.0	74.5	-	1
		C-145-2H (TCM)	DM7647	DM7648	DM7649	76.0	74.5	-	1
			DM7647	MDM7649	DM7649	76.0	74.5	-	1
		O-300-A (TCM)	-	DM7648	-	76.0	74.5	-	1
			-	MDM7649	-	76.0	74.5	-	1
		O-300-C, -D, -E (TCM)	-	SFC8040	DM7652	80.0	-	-	-
		6A4-165-B3 (FR)		DM7649		76.0	74.5	-	1, 17
172		O-300-A, -B (TCM)	-	DM7651	DM7653	76.0	74.5	-	1
			MDM7652	MDM7653	MDM7655	76.0	74.5	-	-
		O-300-C, -D, -E (TCM)	EM7651	EM7653	EM7655	76.0	74.5	-	-
		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
	F	O-300-C, -D, -E (TCM)	-	SFC8040	-	80.0	-	-	-

McCauley Application Guide (continued)

Price chart on page 243

Aircraft Type: A = Amphibian • F = Floatplane • L = Landplane • S = Skiplane • Engine Type: FR = Franklin • LY = Lycoming • STC = STC modified engine • TCM = Continental/ Rolls Royce

Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
172A		O-300-C, -D (TCM)	EM7652	EM7653	EM7655	76.0	74.5	-	-
		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
	F	O-300-C, -D (TCM)	-	SFC8040		80.0	78.4	-	-
172B, 172C, 172E "Skyhawk"		O-300-C, -D (TCM)	EM7652	EM7653	EM7655	76.0	74.5	-	-
		O-320-D2J, -H2AD(LY)	-	DTM	-	-	-	-	-
		O-320-E2D (LY)	-	MTM7653	-	76.0	-	-	-
			-	CTM	-	-	-	-	-
		O-360-A2F, -A3A, -A4A, -A4M, -A4N (LY)	-	CFA7660	-	76.0	-	-	-
		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
172B, 172C "Skyhawk"	F	O-300-C, -D (TCM)	-	SFC8040	-	80.0	78.4	-	-
172D "Skyhawk"		O-300-C, -D (TCM)	EM7652	EM7653	-	76.0	74.5	-	-
		O-320-D2J, -H2AD(LY)	-	DTM	-	-	-	-	-
		O-320-E2D (LY)	-	CTM	-	-	-	-	-
			-	MTM7653	-	76.0	-	-	-
		O-360-A2F, -A3A, -A4A, -A4M, -A4N (LY)	-	CFA7660	-	76.0	-	-	-
		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
	F	O-300-C, -D (TCM)	-	SFC8040	-	80.0	78.4	-	-
		O-320-D2G (LY), -D2J, -E2D (STC)	-	ETM8042	-	80.0	78.5	-	-
	L	O-320-D2G (LY), -D2J, -E2D (STC)	-	DTM7557	-	75.0	74.0	-	-
172E "Skyhawk"	F	O-300-C, -D (TCM)	-	SFC8040	-	80.0	78.4	-	-
		O-320-D2G, -D2J, -E2D (LY)	-	ETM8042	-	80.0	78.5	-	-
	L	O-320-D2G, -D2J, -E2D (LY)	-	DTM7557	-	75.0	74.0	-	-
172F "Skyhawk, USAF T-41A"		O-300-C, -D (TCM)	EM7652	EM7653	-	76.0	74.5	-	-
		O-320-D2J, -H2AD (LY)	-	DTM	-	-	-	-	-
		O-320-E2D (LY)	-	MTM7653	-	76.0	-	-	-
		O-320-E2D (LY)	-	CTM	-	-	-	-	-
		O-360-A2F, -A3A, -A4A, -A4M, -A4N (LY)	-	CFA7660	-	76.0	-	-	-
		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
	F	O-300-C, -D (TCM)	-	SFC8040	-	80.0	78.4	-	-
		O-320-D2G (LY), -D2J, -E2D (STC)	-	ETM8042	-	80.0	78.5	-	-
	L	O-320-D2G (LY), -D2J, -E2D (STC)	-	DTM7557	-	75.0	74.0	-	-
172G "Skyhawk"		O-300-C, -D (TCM)	EM7652	EM7653	-	76.0	74.5	-	-
		O-320-D2J, -H2AD (LY)	-	DTM	-	-	-	-	-
		O-320-E2D (LY)	-	MTM7653	-	76.0	-	-	-
		O-320-E2D (LY)	-	CTM	-	-	-	-	-
		O-360-A2F, -A3A, -A4A, -A4M, -A4N (LY)	-	CFA7660	-	76.0	-	-	-
		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
	F	O-300-C, -D (TCM)	-	SFC8040	-	80.0	78.4	-	-
		O-320-D2G (LY), -D2J, -E2D (STC)	-	ETM8042	-	80.0	78.5	-	-
	L	O-320-D2G (LY), -D2J, -E2D (STC)	-	DTM7557	-	75.0	74.0	-	-

Price and availability subject to change without notice • Univair's Toll Free Sales: 1-888-433-5433

Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
172H "Skyhawk, USAF T-41A"		O-300-C, -D (TCM)	EM7652	EM7653	-	76.0	74.5	-	-
		O-320-D2J, -H2AD (LY)	-	DTM	-	-	-	-	-
		O-320-E2D (LY)	-	MTM7653	-	76.0	-	-	-
			-	CTM	-	-	-	-	-
		O-360-A2F, -A3A, -A4A, -A4M, -A4N (LY)	-	CFA7660	-	76.0	-	-	-
		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
	F	O-300-C, -D (TCM)	-	SFC8040	-	80.0	78.4	-	-
		O-320-D2G (LY), -D2J, -E2D (STC)	-	ETM8042	-	80.0	78.5	-	-
	L	O-320-D2G (LY), -D2J, -E2D (STC)	-	DTM7557	-	75.0	74.0	-	-
172I "Skyhawk"		O-320-E2D (LY)	-	DTM7553	-	75.0	74.0	-	49
		O-360-A2F, -A3A, -A4A, -A4M, -A4N (LY)	-	CFA7660	-	76.0	-	-	-
	F	O-320-D2G, -D2J (LY)	-	ATM8042	-	80.0	78.5	-	-
			-	ETM8042	-	80.0	78.5	-	1
		O-320-E2D (LY)	-	ETM8042	-	80.0	78.4	-	49
		O-320-E2D (STC)	-	ETM8042	-	80.0	78.5	-	1
		O-360 (LY)	-	DFA	-	-	-	-	-
	L	O-320-D2G (LY), -E2D (STC)	-	DTM7557	-	75.0	74.0	-	-
172K "Skyhawk"		O-360-A2F, -A3A, -A4A, -A4M, -A4N (LY)	-	CFA7660	-	76.0	-	-	-
	F	O-320-D2G, -D2J (LY)	-	ATM8042	-	80.0	78.5	-	-
			-	ETM8042	-	80.0	78.5	-	1
		O-320	-	ATM8042	-	80.0	78.5	-	-
			-	ETM8042	-	80.0	78.5	-	1
		O-320-E2D (LY)	-	ETM8042	-	80.0	78.4	-	49
		O-320-E2D (STC)	-	ETM8042	-	80.0	78.5	-	1
		O-360 (LY)	-	DFA	-	-	-	-	-
	L	O-320-D2G, -D2J (LY)	-	DTM7557	-	75.0	74.0	-	-
		O-320-E2D (LY)	-	DTM7553	-	75.0	74.0	-	49
		O-320-E2D (STC)	-	DTM7557	-	75.0	74.0	-	-
172L "Skyhawk"		O-320-E2D (LY)	-	DTM7553	-	75.0	74.0	-	49
		O-360-A2F, -A3A, -A4A, -A4M, -A4N (LY)	-	CFA7660	-	76.0	-	-	-
	F	O-320-D2G, -D2J (LY)	-	ATM8042	-	80.0	78.5	-	-
			-	ETM8042	-	80.0	78.5	-	1
		O-320-E2D (LY)	-	ETM8042	-	80.0	78.4	-	49
		O-320-E2D (STC)	-	ETM8042	-	80.0	78.5	-	1
		O-360 (LY)	-	DFA	-	-	-	-	-
172L "Skyhawk"	L	O-320-D2G, -D2J (LY), -E2D (STC)	-	DTM7557	-	75.0	74.0	-	-
172M "Skyhawk"		O-320-E2D (LY)	-	DTM7553	-	75.0	74.0	-	49
		O-360-A2F, -A3A, -A4A, -A4M, -A4N (LY)	-	CFA7660	-	76.0	-	-	-
	F	O-320-D2G, -D2J(LY)	-	ATM8042	-	80.0	78.5	-	-
			-	ETM8042	-	80.0	78.5	-	1
		O-320-E2D (LY)	-	ETM8042	-	80.0	78.4	-	49
		O-320-E2D (STC)	-	ETM8042	-	80.0	78.5	-	1
		O-360 (LY)	-	DFA	-	-	-	-	-
172N "Skyhawk"		O-320-D2G, -D2J (LY)	-	DTM	-	-	-	-	-
		O-320-H2AD (LY)	-	DTM7557	-	75.0	74.0	-	-
		O-360-A2F, -A3A, -A4A, -A4M, -A4N (LY)	-	CFA7660	-	76.0	-	-	-
		O-360-A3A (LY)							52
		O-360-A4A (LY)	-	JFA7658	-	76.0	74.5	-	
			-	JFA7658	-	76.0	74.5	-	-
	F	O-320-H2AD (LY)	-	ETM8042	-	80.0	78.5	-	-
		O-360 (LY)	-	DFA	-	-	-	-	-

McCauley Application Guide (continued)

Price chart on page 243

Aircraft Type: A = Amphibian • F = Floatplane • L = Landplane • S = Skiplane • Engine Type: FR = Franklin • LY = Lycoming • STC = STC modified engine • TCM = Continental/ Rolls Royce

Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
172P "Skyhawk"		O-320-D2J (LY)	-	DTM7557	-	75.0	74.0	-	-
		O-360-A2F, -A3A, -A4A, -A4M, -A4N (LY)	-	CFA7660	-	76.0	-	-	-
		O-360-A3A (LY)	-	JFA7658	-	76.0	74.5	-	52
		O-360-A4A (LY)	-	JFA7658	-	76.0	74.5	-	-
	F	O-320-D2J (LY)	-	ETM8042	-	80.0	78.5	-	-
		O-360 (LY)	-	DFA	-	-	-	-	-
172Q "Cutlass"		O-360-A4N (LY)	-	JFA7658	-	76.0	74.5	-	-
172R "Skyhawk"		O-360-A2F, -A3A, -A4A, -A4M, -A4N (LY)	-	CFA7660	-	76.0	-	-	-
		IO-360-L2A (LY)	-	LFA7570	-	75.0	74.0	-	-
		IO-360-L2A (LY)	-	JHA7660	-	76.0	75.0	-	19
		IO-360-L2A (LY)	-	JHA7660	-	76.0	75.5	-	39
	A, F	IO-360-L2A (LY)	-	WFA8243	WFA8244	82.0	82.0	-	12, 44
172S "Skyhawk"		IO-360-L2A (LY)	-	JHA7660	-	76.0	75.0	-	-
	A, F	IO-360-L2A (LY)	-	WFA8243	WFA8244	82.0	82.0	-	12
P172D		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
R172E "USAF T-41C"		IO-360-D, -DB (TCM)	-	DFC7850	-	78.0	76.5	-	-
R172G "USAF T-41C, T-41D"		IO-360-C, -CB, -D, -DB (TCM)	-	DFC7850	-	78.0	76.5	-	-
R172H "USAF T-41D"		IO-360-C, -CB, -D, -DB, -H, -HB (TCM)	-	DFC7850	-	78.0	76.5	-	-
175 "Skylark"		GO-300-A, -C (TCM)	-	FC8467	-	84.0	82.5	-	16
			-	MFC8467	-	84.0	82.5	-	-
		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
	F	GO-300-A, -C (TCM)	-	FC8455	-	84.0	82.5	-	16
			-	MFC8455	-	84.0	82.5	-	-
175A, 175B "Skylark"		GO-300-C, -D (TCM)	-	MFC8467	-	84.0	82.5	-	-
		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
	F	GO-300-C, -D (TCM)	-	OM9044	-	90.0	88.0	-	-
175C "Skylark"		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
177 "Cardinal"		O-320-E2D (LY)	-	TM7653	-	76.0	74.0	-	1
177A "Cardinal"		O-360-A2F (LY)	-	EFA7656	-	76.0	74.0	-	1
188, 188A		O-470-R (TCM)	-	AOM9044	-	90.0	88.0	-	1
188B "AGpickup" (S/N 18800833 to 18801824)		O-470-R (TCM)	-	AOM9044	-	90.0	88.0	-	1
188B "AGpickup" (S/N 18801825 and up)		O-470-S (TCM)	-	AOM9044	-	90.0	88.0	-	1
■ CESSNA (REGAL AIR, Inc.)									
305A	L, F, S	O-470-11, -11B (TCM)	-	FM8064	-	80.0	80.00	-	-
305A, 305C, 305D, 305F	L, F, S	O-470-11, -11B (TCM)	-	FM9047	-	90.0	88.25	-	1
■ CESSNA (REIMS AVIATION S.A.)									
F150E		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
F150F, G, H		O-200-A (TCM)	-	MCM6950	-	69.0	67.5	-	1
			-	DCM6950	-	69.0	67.0	-	1
		IO-360-C, -K, -KB (TCM)	-	DFC7846	-	78.0	-	-	-
F150J, K		O-200-A (TCM)	-	MCM6950	-	69.0	67.5	-	1
			-	DCM6950	-	69.0	67.0	-	1

Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
F150K (acrobatic)		O-200-A (TCM)	-	DCM6950	-	69.0	67.0	-	1
F150L (1971–1974 models), FA150L "Aerobat" (1971–1974 models), F150M		O-200-A (TCM)	-	OCM6948	-	69.0	67.5	-	1
FRA150L, FRA150M "Aerobat"		O-240-A (TCM)	-	BRM7150	-	71.0	70.0	-	1
F172D, E, F, G, H, K		O-300-D (TCM)	EM7652	EM7653	EM7655	76.0	74.5	-	1
F172D, E, F, G, H	F	O-300-D (TCM)	-	SFC8042	-	80.0	78.4	-	1
F172K		O-300-C (TCM)	EM7652	EM7653	EM7655	76.0	74.5	-	1
F172L, M		O-320-E2D (LY)	-	DTM7553	-	75.0	74.0	-	1
F172L	F	O-320-E2D (LY)	-	ATM8042	-	80.0	78.4	-	-
F172M	F	O-320-E2D (LY)	-	ETM8042	-	80.0	78.5	-	1
F172N		O-320-H2AD (LY)	-	DTM7557	-	75.0	74.0	-	-
	F	O-320-H2AD (LY)	-	ETM8042	-	80.0	78.5	-	1
F172P		O-320-D2J (LY)	-	DTM7557	-	75.0	74.0	-	1
	F	O-320-D2J (LY)	-	ETM8042	-	80.0	78.5	-	1
FR172E		IO-360-D, -C, -CB, -D, -DB (TCM)	-	DFC7850	-	78.0	76.5	-	-
FR172H		IO-360-C, -CB, -D, -DB, -HB (TCM)	-	DFC7850	-	78.0	76.5	-	-
■ C. ITOH AIRCRAFT MAINTENANCE AND ENGINEERING COMPANY, Ltd.									
N-62		O-320-B2B (LY)	-	MGM7654	-	76.0	76.0	-	-
■ COMMONWEALTH AIRCRAFT, Inc.									
185 "Skyranger"		C85-12 (TCM)	-	CF7146	-	71.0	69.5	-	-
		C90-12F (TCM)	-	CM7146	-	71.0	-	-	51
■ CULVER (Superior Aircraft Co.)									
LCA "Cadet"		A-75-8, -9 (TCM)	-	CF7045	-	70.0	68.5	-	1
■ EMIGH (Edward Scott Kearns)									
A-2 "Trojan"		C85-12F (TCM)	-	CF7146	-	71.0	69.5	-	-
			-	CF7148	-	71.0	69.5	-	-
		C90-12F (TCM)	-	CM7150	-	71.0	69.5	-	-
■ FUJI HEAVY INDUSTRIES									
FA-200-160		O-320-D2A (LY)	-	MGM7656	-	76.0	74.0	-	-
			-	MGM7662	-	76.0	74.0	-	-
FA-200-180AO		O-360-A5AD (LY)	-	EFA7658	-	76.0	74.0	-	-
■ FUNK AIRCRAFT (Thomas H. McClish)									
B85C		C85-12 (TCM)	CF7146	CF7148	CF7150	71.0	69.5	-	1
		C90-12F (TCM)	-	CF7152	CF7154	71.0	69.5	-	1
			-	CM7153	CM7155	71.0	69.5	-	1
■ GLOBE (Swift Museum Foundation, Inc.)									
GC-1B "Swift"		C-125-2 (TCM)	-	DM7357	-	73.0	71.5	-	-
			-	DM7355	-	73.0	71.5	-	1
		O-300-A (TCM)	-	DM7359	-	73.0	-	-	-
■ GREAT LAKES AIRCRAFT COMPANY, LLC.									
2T-1A-1, -2		O-320-E2A (LY)	-	EGM7654	-	76.0	74.5	-	-

McCauley Application Guide (continued)

Price chart on page 243

Aircraft Type: A = Amphibian • F = Floatplane • L = Landplane • S = Skiplane • Engine Type: FR = Franklin • LY = Lycoming • STC = STC modified engine • TCM = Continental/ Rolls Royce

Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
GRUMMAN AMERICAN (True Flight Holdings LLC)									
AA-1, -1A, -1B		O-235-C2C (LY)	-	SCM7157	-	71.0	69.5	-	-
			-	SCM7153	SCM7154	71.0	69.5	-	-
AA-1, -1A, -1B, -1C		O-235-F2B, -J2A (LY)	-	JCM7154	-	71.0	69.0	-	43
			-	JCM7156	-	71.0	69.0	-	43
			-	KCM7154	-	71.0	69.0	-	43
			-	KCM7156	-	71.0	69.0	-	43
AA-1C		O-320-E2G (LY)	-	SBTM7359	-	73.0	-	-	-
AA-5, -5A		O-320-E2G (LY)	-	BTM7359	-	73.0	71.5	-	-
			-	SBTM7359	-	73.0	71.5	-	-
			-	BTM7357	-	73.0	71.5	-	-
			-	SBTM7357	-	73.0	71.5	-	-
		O-360-A4K (LY)	-	FFA7563	-	75.0	-	-	-
AA-5B		O-360-A4K (LY)	-	FFA7563	-	75.0	74.5	-	31
			-	KFA7563	-	75.0	74.5	-	31
INTERSTATE ENGINEERING & TYPE DESIGN COMPANY, Inc.									
S-1A		A-65-8 (TCM)	CF7445	CF7447	CF7449	74.0	72.0	-	1
		A-65-8F (TCM)	CF7445	CF7447	CF7449	74.0	72.0	-	1
		C90-8F (TCM)	CF7341	CF7343	-	73.0	71.5	-	1
S-1B2		O-320-A2B, -B2B (LY)	GM8241	GM8242	GM8244	82.0	78.0	-	-
JODEL (Avions Jodel)									
D-140-B		O-360-A2A (LY)	-	FA8054	FA8056	80.0	78.5	-	1
150		O-200-A (TCM)	-	MCM6956	-	70.0	68.0	-	-
LARK AVIATION (M.H. Spinks, Sr., formerly Culver)									
Lark 95		C90-12F, -16F (TCM)	-	7048	CM7050	70.0	69.5	-	1
LUSCOMBE (The Don Luscombe Aviation History Foundation, Inc.)									
8A		A-65-3, -7, -8, -8F, -9, -9F (TCM)	-	CF7447	CF7449	74.0	72.5	-	1, 24
		A-65-3J, -7J, -8J, -8FJ, -9J, -9FJ (TCM)	-	CF7447	CF7449	74.0	72.5	-	1
	F	A-65-1, -1J, -3, -3J, -3J, -6, -6J, -7, -7J, -7J, -8, -8F, -8J, -8J, -8FJ, -8FJ, -9, -9F, -9J, -9J, -9FJ, -9FJ (TCM)	-	CF7447	CF7449	74.0	72.5	-	1, 12
8C		A-75-8J (TCM)	-	CF7144	CF7146	71.0	69.5	-	1
	F	A-75-8J (TCM)	-	CF7144	CF7146	71.0	69.5	-	1
8D		A-75-8, -8J, -9, -9J (TCM)	-	CF7144	CF7146	71.0	69.5	-	1
8E		C85-8F, -12, 12F (TCM)	-	CF7144	CF7146	71.0	69.5	-	1
		O-320, -A1A (LY)	-	MGM7462	-	74.0	72.5	-	-
	F	C85-8F, -12, -12F (TCM)	CF7144	CF7148	CF7151	71.0	69.5	-	1, 12
8F		C90-8F, 12F (TCM)	-	CM7154	-	71.0	69.5	-	1
		O-320, -A1A (LY)	-	MGM7462	-	74.0	72.5	-	-
	F	C90-8F, -12F (TCM)	-	CM7347	-	73.0	70.0	-	1
T-8F		C90-8F, -12F (TCM)	-	CM7154	-	71.0	69.5	-	1
			-	CM7347	-	73.0	70.0	-	1
		C90-12FJ (TCM)	-	CM7345	-	72.5	71.5	-	1

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Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
MAULE AEROSPACE TECHNOLOGY, Inc.									
M-4 "BEE DEE" (S/N 3 to 14), M-4 (S/N 15 to 23, 25 to 45)		O-300-A, -B (TCM)	MDM7647	MDM7652	MDM7656	76.0	74.5	-	27, 37
M-4, -4C, -4S, -4T		O-300-A, -B (TCM)	-	DM7460	-	74.0	73.0	-	-
M-4 (S/N 24, 46 to 94), M-4C (S/N 1C to 11C), M-4S (S/N 1S to 3S), M-4T (S/N 1T to 3T)		O-300-A, -B (TCM)	MDM7647	MDM7652	MDM7656	76.0	74.5	-	37
MICCO (formerly Meyers)									
MAC-145		C-145-2 (TCM)	-	DM7657	-	76.0	72.5	-	1
MOONEY AIRPLANE COMPANY, Inc.									
M20D		O-360-A2D (LY)	-	MFA7460	-	74.0	72.5	D-3339	-
MORRISEY AVIATION Inc.									
2000C		C90-14F (TCM)	-	CF7152	CF7154	71.0	69.5	-	1
PIPER									
J3C-65 "Cub"		A-65-3, -6, -7, -8, -8F, -9, -14 (TCM)	CF7441	CF7443	CF7445	74.0	72.5	-	1
ARMY L-4, -4A, -4B, -4H, -4J			CM7441	CM7443	CM7445	74.0	72.5	-	1
NAVY NE-1, -2		A-75-8, -9 (TCM)	CF7038	CF7040	CF7042	70.0	68.5	-	1
			CM7038	CM7040	CM7042	70.0	68.5	-	1
		C75-8, -12 (TCM)	-	CF7449	-	74.0	72.5	-	1
			-	CM7449	-	74.0	72.5	-	1
		C85-8, -12 (TCM)	CF7142	CF7144	CF7146	71.0	68.5	-	1
			CM7142	CM7144	CM7146	71.0	68.5	-	1
		C90-8F (TCM)	-	CF7148	-	71.0	69.5	-	1
			-	CM7148	-	71.0	69.5	-	1
		O-200-A (TCM)	-	DCM6944	-	69.0	-	-	1, 42, or 32
J3C-65S "Cub"		A-65-3 (TCM)	CM7441	CM7443	CM7445	74.0	72.5	-	1
ARMY L-4, -4A, -4B, -4H, -4J		A-65-6, -7, -8, -8F, -9, -14 (TCM)	CF7441	CF7443	CF7445	74.0	72.5	-	1
NAVY NE-1, -2		A-75-8, -9 (TCM)	CM7441	CM7443	CM7445	74.0	72.5	-	1
			-	CF7038	CF7040	70.0	68.5	-	1
		C75-8, -12 (TCM)	-	CM7038	CM7040	70.0	68.5	-	1
			-	CF7447	-	74.0	72.5	-	1
		C85-8, -12 (TCM)	-	CM7447	-	74.0	72.5	-	1
			-	CF7142	-	71.0	68.5	-	1
		C90-8F (TCM)	-	CM7142	-	71.0	68.5	-	1
			-	CF7146	-	71.0	69.5	-	1
		O-200-A (TCM)	-	CM7146	-	71.0	69.5	-	1
			-	DCM6944	-	69.0	-	-	1, 42
J4A, J4A-S "Cub Coupe"		A-65-1, -3, -6, -7, -8, -9 (TCM)	-	CF7443	CF7445	74.0	72.5	-	1
J4E "Cub Coupe, ARMY L-4E"		A-75-8, -9 (TCM)	-	CF7038	-	70.0	68.5	-	1
		C75-12 (TCM)	-	CF7148	-	71.0	69.5	-	1
J5A "ARMY L-4F""Cub Cruiser"		A-75-8 (TCM)	-	CF7038	-	70.0	68.5	-	1
		C75-8, -12 (TCM)	-	CF7449	-	74.0	72.5	-	1
		C85-12 (TCM)	CF7144	CF7146	CF7148	71.0	69.5	-	1
		C90-8F (TCM)	-	CF7347	-	73.0	71.5	-	1
J5A-80, J5B, L-4G		C90-8F (TCM)	-	CF7347	-	73.0	71.5	-	1
J5C, AE-1, HE-1 "Cub Cruiser"		O-235-B (LY)	LM7246	LM7249	-	72.0	70.5	-	1

McCauley Application Guide (continued)

Price chart on page 243

Aircraft Type: A = Amphibian • F = Floatplane • L = Landplane • S = Skiplane • Engine Type: FR = Franklin • LY = Lycoming • STC = STC modified engine • TCM = Continental/ Rolls Royce

Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
PA-11 "Cub Special"		A-65-3, -6, -8, -9, -14 (TCM)	CF7441	CF7443	CF7445	74.0	72.5	-	1
			CM7441	CM7443	CM7445	74.0	72.5	-	1
		C85-8FJ, -12 (TCM)	CF7142	CF7144	CF7146	71.0	68.5	-	1
			CM7142	CM7144	CM7146	71.0	68.5	-	1
		C90-8F (TCM)	-	CF7149	-	71.0	69.5	-	1
			-	CM7149	-	71.0	69.5	-	1
		O-235-C (LY)	-	LM7249	-	72.0	70.5	-	-
		O-235-L2C (LY)	-	TCM6958	-	69.0	-	-	-
PA-11S "Cub Special"		A-65-3, -6, -8, -9, -14 (TCM)	CF7441	CF7443	CF7445	74.0	72.5	-	1
			CM7441	CM7443	CM7445	74.0	72.5	-	1
		C90-8F (TCM)	-	CF7146	-	71.0	69.5	-	1
			-	CM7146	-	71.0	69.5	-	1
PA-12 "Super Cruiser"		O-235-C (LY)	GM8241	-	GM8244	82.0	-	-	36
			LM7246	LM7249	-	72.0	70.5	-	1
		O-235-C1 (LY)	-	LM7252	LM7254	72.0	70.5	-	1
		O-290-D2 (LY)	-	GM8241	-	82.0	78.0	-	-
		O-320 (LY)	GM8241	GM8242	-	82.0	78.0	-	-
			-	GM8243	GM8244	82.0	78.0	-	-
		O-320-A2B, B2B, -D2A, -E2D (LY)	-	GM8246	-	82.0	-	-	40
		O-360-A2A (LY)	-	DFA8245	-	82.0	-	-	-
			FA8242	FA8243	FA8244	82.0	-	-	-
		O-360-D2A (LY)	-	SFA7850	-	78.0	-	-	-
PA-12S "Super Cruiser"		O-235-C (LY)	GM8241	-	GM8244	82.0	-	-	36
		O-235-C, -C1 (LY)	-	LM7243	-	72.0	70.5	-	1
		O-290-D2 (LY)	-	GM8241	-	82.0	78.0	-	-
		O-320 (LY)	GM8241	GM8242	-	82.0	78.0	-	-
		O-320 (LY)	-	GM8243	GM8244	82.0	78.0	-	-
		O-320-A2B (LY)	-	GM8244	-	82.0	-	-	-
		O-360-A2A (LY)	-	DFA8245	-	82.0	-	-	-
PA-14 "Family Cruiser"		O-235-C1 (LY)	-	LM7254	-	72.0	70.5	-	1
			GM8241	-	GM8244	82.0	-	-	36
		O-290-D2 (LY)	-	GM8241	-	82.0	78.0	-	33
		O-320 (LY)	-	GM8241	-	82.0	-	-	33
		O-320-A2B, -B2B, -D2A, -E2D (LY)	-	GM8246	-	82.0	-	-	40
		O-320-E2D (LY)	-	TM7653	-	76.0	-	-	-
		O-360-A2A (LY)	-	DFA8245	-	82.0	-	-	-
	F	O-290-D2 (LY)	-	GM8241	-	82.0	78.0	-	34
		O-320 (LY)	-	GM8241	-	82.0	-	-	35
PA-15 "Vagabond"		A-65-8F (TCM)	-	CF7147	-	-	-	-	-
PA-16 "Clipper"		O-235-C1 (LY)	-	LM7254	-	72.0	70.5	-	1
	F, L, S	O-360 series (LY)	FA8240	FA8243	FA8245	82.0	80.0	-	12, 14, 54
PA-17 "Vagabond"		A-65-8, -8F (TCM)	-	CF7248	-	72.0	71.0	-	1
			-	CM7248	-	72.0	71.0	-	1
PA-18 "Super Cub"		C90-8F, -12F (TCM)	CM7146	CM7150	-	71.0	69.5	-	1
		-	GM8241	GM8242	GM8244	82.0	-	-	36
		O-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0	-	13, 14, 30

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Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
PA-18 "Super Cub" continued	F	O-320-A1B, -A2B, -A2C,-A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23
	L, S	O-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
PA-18A "Super Cub"		O-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0		13, 14, 30
	F	O-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25
	L, S	O-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
PA-18S "Super Cub"		O-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0	-	13, 14, 30
	F	O-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23
	L, S	O-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
PA-18-105 "SPECIAL" "Super Cub"		O-235-C (LY)	-	LM7249	-	72.0	70.5	-	1
			-	LM7252	LM7254	72.0	70.5	-	1
			GM8241	GM8242	GM8244	82.0	-	-	36
		O-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0		13, 14, 30
	F	O-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25

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Price chart on page 243

Aircraft Type: A = Amphibian • F = Floatplane • L = Landplane • S = Skiplane • Engine Type: FR = Franklin • LY = Lycoming • STC = STC modified engine • TCM = Continental/ Rolls Royce

Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
PA-18-105	L, S	O-320-A1B, -A2B, -A2C, -A2D, -C2B,	GM8241	GM8242	-	82.0	78.0	-	12, 41
"SPECIAL"		-C2C (LY)	-	GM8243	GM8244	82.0	78.0	-	-
"Super Cub"		O-320-B2B, -B2C, -B2D, -D2A, -D2B,	GM8241	GM8242	-	82.0	78.0	-	12, 45
continued		-D2C, -D3G (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 46
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 47
			-	GM8243	GM8244	82.0	78.0	-	12, 23
			GM8241	GM8242	-	82.0	78.0	-	12, 23, 45
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 46
PA-18S-105		O-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0	-	13, 14, 30
"SPECIAL"	F	O-320-A1B, -A2B, -A2C, -A2D, -C2B,	GM8241	GM8242	-	82.0	78.0	-	12, 41
"Super Cub"		-C2C (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B,	GM8241	GM8242	-	82.0	78.0	-	12, 46
		-D2C, -D3G (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25
	L, S	O-320-A1B, -A2B, -A2C, -A2D, -C2B,	GM8241	GM8242	-	82.0	78.0	-	12, 41
		-C2C (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B,	GM8241	GM8242	-	82.0	78.0	-	12, 46
		-D2C, -D3G (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
PA-18-125 "Super Cub"		O-290-D (LY)	-	GM7448	GM7450	74.0	72.5	-	-
			GM8241	GM8242	GM8244	82.0	-	-	36
		O-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0	-	13, 14, 30
	F	O-320-A1B, -A2B, -A2C, -A2D, -C2B,	GM8241	GM8242	-	82.0	78.0	-	12, 41
		-C2C (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B,	GM8241	GM8242	-	82.0	78.0	-	12, 46
		-D2C, -D3G (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25
	L, S	O-320-A1B, -A2B, -A2C, -A2D, -C2B,	GM8241	GM8242	-	82.0	78.0	-	12, 41
		-C2C (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B,	GM8241	GM8242	-	82.0	78.0	-	12, 46
		-D2C, -D3G (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
PA-18A-125 "Super Cub"		O-290-D (LY)	-	GM7448	GM7450	74.0	72.5	-	-
PA-18AS-125 "Super Cub"		O-290-D (LY)	-	GM7446	-	74.0	72.5	-	-
			GM8241	GM8242	GM8244	82.0	-	-	36
		O-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0	-	13, 14, 30
	F	O-320-A1B, -A2B, -A2C, -A2D, -C2B,	GM8241	GM8242	-	82.0	78.0	-	12, 41
		-C2C (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B,	GM8241	GM8242	-	82.0	78.0	-	12, 46
		-D2C, -D3G (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25

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Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
PA-18AS-125 "Super Cub" continued	L, S	0-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		0-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
		0-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
PA-18S-125 "Super Cub"		0-290-D (LY)	-	GM7446	-	74.0	72.5	-	-
			GM8241	GM8242	GM8244	82.0	-	-	36
		0-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0	-	13, 14, 30
	F	0-290-D (LY)	-	GM8240	-	82.0	-	-	-
		0-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		0-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
		0-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25
	L, S	0-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		0-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
		0-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
PA-18-135 "Super Cub"		0-290-D2 (LY)	-	GM7450	GM7452	74.0	72.5	-	-
			-	GM8040	GM8044	80.0	-	-	-
			-	GM8241	-	82.0	-	-	-
			GM8241	GM8242	GM8244	82.0	-	-	36
		0-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0	-	13, 14, 30
	F	0-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		0-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
		0-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25
	L, S	0-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		0-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D2C, -D3G, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
		0-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
PA-18A-135 "Super Cub"		0-290-D2 (LY)	-	GM7450	GM7452	74.0	72.5	-	-
			GM8241	GM8242	GM8244	82.0	-	-	36
			-	GM8241	-	82.0	-	-	-
		0-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0		13, 14, 30
	F	0-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		0-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
		0-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25

McCauley Application Guide (continued)

Price chart on page 243

Aircraft Type: A = Amphibian • F = Floatplane • L = Landplane • S = Skiplane • Engine Type: FR = Franklin • LY = Lycoming • STC = STC modified engine • TCM = Continental/ Rolls Royce

Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
PA-18A-135 "Super Cub" continued	L, S	O-320-A1B, -A2B, -A2C, -A2D, -C2B,	GM8241	GM8242	-	82.0	78.0	-	12, 41
		-C2C (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B,	GM8241	GM8242	-	82.0	78.0	-	12, 46
		-D2C, -D3G (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
PA-18S-135 "Super Cub"		O-290-D2 (LY)	-	GM7448	-	74.0	72.5	-	-
			-	GM8241	-	82.0	-	-	-
			GM8241	GM8242	GM8244	82.0	-	-	36
		O-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0	-	13, 14, 30
	F	O-320-A1B, -A2B, -A2C, -A2D, -C2B,	GM8241	GM8242	-	82.0	78.0	-	12, 41
		-C2C (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B,	GM8241	GM8242	-	82.0	78.0	-	12, 46
		-D2C, -D3G (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25
	L, S	O-320-A1B, -A2B, -A2C, -A2D, -C2B,	GM8241	GM8242	-	82.0	78.0	-	12, 41
		-C2C (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B,	GM8241	GM8242	-	82.0	78.0	-	12, 46
		-D2C, -D3G (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
PA-18AS-135 "Super Cub"		O-290-D2 (LY)	-	GM7448	-	74.0	72.5	-	-
			-	GM8241	-	82.0	-	-	-
			GM8241	GM8242	GM8244	82.0	-	-	36
		O-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0	-	13, 14, 30
	F	O-320-A1B, -A2B, -A2C, -A2D, -C2B,	GM8241	GM8242	-	82.0	78.0	-	12, 41
		-C2C (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B,	GM8241	GM8242	-	82.0	78.0	-	12, 46
		-D2C, -D3G (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25
	L, S	O-320-A1B, -A2B, -A2C, -A2D, -C2B,	GM8241	GM8242	-	82.0	78.0	-	12, 41
		-C2C (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B,	GM8241	GM8242	-	82.0	78.0	-	12, 46
		-D2C, -D3G (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
PA-18-150 "Super Cub"		O-320, -A2A, -A2B (LY)	GM8242	GM8244	GM8246	82.0	-	-	-
		O-320-A1A (LY)	GM7450	GM7452	GM7454	74.0	72.5	-	-
			GM8241	GM8242	GM8244	82.0	-	-	36
		O-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0	-	13, 14, 30
		O-360-A2A (LY)	-	DFA	-	82.0	-	-	-
		O-360 series, -A3A, -A4A, -A4M, -A4P, -C2A, -C4P (LY)	-	FA8242	-	-	-	-	-

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Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
PA-18-150 "Super Cub" continued	F	0-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25
		0-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		0-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
	L	0-320-A2B, -B2B (LY)	-	GM8244	-	-	-	-	-
	L, S	0-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
		0-320 (LY)	-	GM8244	-	-	-	-	-
		0-320-A2A (LY)	-	GM8244	-	-	-	-	-
		0-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		0-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
PA-18A-150 "Super Cub"		0-320 (LY)	GM8242	GM8244	GM8246	82.0	-	-	-
		0-320-A1A (LY)	GM7450	GM7452	GM7454	74.0	72.5	-	-
			GM8241	GM8242	GM8244	82.0	-	-	36
		0-320-A2A, -A2B (LY)	GM8242	GM8244	GM8246	82.0	-	-	-
		0-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0	-	13, 14, 30
		0-360 series, -A3A, -A4A, -A4M, -A4P, -C2A, -C4P (LY)	-	FA8242	-	82.0	-	-	-
	F	0-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25
		0-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		0-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
	L	0-320-A2B, -B2B (LY)	-	GM8244	-	-	-	-	-
	L, S	0-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
		0-320 (LY)	-	GM8244	-	-	-	-	-
		0-320-A1B (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
		0-320-A2A (LY)	-	GM8243	GM8244	82.0	78.0	-	12, 45
		0-320-A2B, -A2C, -A2D, -C2B, -C2C (LY)	-	GM8244	-	-	-	-	-
		0-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
PA-18S-150 "Super Cub"		0-320, -A2A, -A2B (LY)	GM8242	GM8244	GM8246	82.0	-	-	-
		0-320-A1A (LY)	GM8241	GM8242	GM8244	82.0	-	-	36
		0-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0	-	13, 14, 30
	F	0-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25
		0-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		0-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47

McCauley Application Guide (continued)

Price chart on page 243

Aircraft Type: A = Amphibian • F = Floatplane • L = Landplane • S = Skiplane • Engine Type: FR = Franklin • LY = Lycoming • STC = STC modified engine • TCM = Continental/ Rolls Royce

Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
PA-18S-150 "Super Cub" continued	L, S	O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
		O-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
PA-18AS-150 "Super Cub"		O-320, -A2A, -A2B (LY)	GM8242	GM8244	GM8246	82.0	-	-	-
		O-320-A1A (LY)	GM8241	GM8242	GM8244	82.0	-	-	36
		O-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0	-	13, 14, 30
	F	O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25
		O-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
	L, S	O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
		O-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
PA-19 "Super Cub"		C90-8F, -12F (TCM)	CM7146	CM7150	-	71.0	69.5	-	1
		O-360 series (LY)	FA8240	FA8242	FA8245	82	78	-	13, 14, 30
	F	O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25
		O-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
	L, S	O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
		O-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47
		O-360 series (LY)	FA8240	FA8242	FA8245	82.0	78.0	-	13, 14, 30
PA-19 "Super Cub" continued	F	O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 25
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 25
		O-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 47

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Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
PA-19S "Super Cub"	L, S	O-320 series (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 23, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 23, 45
			GM8241	GM8242	-	82.0	78.0	-	12, 25, 46
			-	GM8243	GM8244	82.0	78.0	-	12, 25, 47
		O-320-A1B, -A2B, -A2C, -A2D, -C2B, -C2C (LY)	GM8241	GM8242	-	82.0	78.0	-	12, 41
			-	GM8243	GM8244	82.0	78.0	-	12, 45
		O-320-B2B, -B2C, -B2D, -D2A, -D2B, -D2C, -D3G (LY)	GM8241	GM8242	GM8244	82.0	78.0	-	12, 46
			-	GM8243		82.0	78.0	-	12, 47
PA-20 "Pacer"		O-320 series (LY)	GM8241	GM8243	GM8245	82.0	80.5	-	14, 23, 25
	F, L, S	O-360 series (LY)	FA8240	FA8243	FA8245	82.0	80.0	-	12, 14, 54
PA-20-115 "Pacer"		O-235-C1 (LY)	-	LM7254	-	72.0	70.5	-	1
		O-320 series (LY)	GM8241	GM8243	GM8245	82.0	80.5	-	14, 23, 25
	F	O-235-C1 (LY)	-	LM7254	-	72.0	70.5	-	1
PA-20-125 "Pacer"		O-290-D (LY)	-	GM7452	GM7454	74.0	72.5	-	-
		O-290-D2 (LY)	-	GM7453	-	74.0	72.5	-	-
		O-320 series (LY)	GM8241	GM8243	GM8245	82.0	80.5	-	14, 23, 25
PA-20S, -115, -135 "Pacer"		O-320 series (LY)	GM8241	GM8243	GM8245	82.0	80.5	-	14, 23, 25
PA-20S-125 "Pacer"		O-290-D (LY)	-	GM7450	-	74.0	72.5	-	-
PA-22 "Tri-Pacer"		O-320 series (LY)	GM8241	GM8243	GM8245	82.0	80.5	-	14, 23, 25
	F, L, S	O-360 series (LY)	FA8240	FA8243	FA8245	82.0	80.0	-	12, 14, 54
PA-22-108 "Tri-Pacer"		O-320 series (LY)	GM8241	GM8243	GM8245	82.0	80.5	-	14, 23, 25
PA-22-125 "Tri-Pacer"		O-290-D (LY)	-	GM7452	GM7454	74.0	72.5	-	-
PA-22-135 "Tri-Pacer"		O-290-D2 (LY)	-	GM7453	-	74.0	72.5	-	-
		O-320 series (LY)	GM8241	GM8243	GM8245	82.0	80.5	-	14, 23, 25
PA-22S-135 "Tri-Pacer"		O-320 series (LY)	GM8241	GM8243	GM8245	82.0	80.5	-	14, 23, 25
PA-22-150 "Tri-Pacer"		O-320 series (LY)	GM8241	GM8243	GM8245	82.0	80.5	-	14, 23, 25
		O-320 (LY)	-	GM7457	GM7459	74.0	72.5	-	-
PA-22S-150 "Tri-Pacer"		O-320 series (LY)	GM8241	GM8243	GM8245	82.0	80.5	-	14, 23, 25
PA-22-160 "Tri-Pacer"		O-320 series (LY)	GM8241	GM8243	GM8245	82.0	80.5	-	14, 23, 25
		O-360-A1A (LY)	-	FA8248	-	82.0	-	-	-
PA-22S-160 "Tri-Pacer"		O-320 series (LY)	GM8241	GM8243	GM8245	82.0	80.5	-	14, 23, 25
PA-25 "Pawnee"		O-320-A1A, -A2A, -A2B (LY)	-	GM7448	-	74.0	72.5	-	1
PA-25-235 (S/N 25-02, 25-2000 to 25-4171) "Pawnee"		O-540-B2B5, -B2C5 (LY)	-	AFA8452	-	84.0	82.3	-	1
PA-25-235 (S/N 25-02, 25-2000 to 25-5521, 25-7305522 to 25-8156024, LA-235-99501 and up) "Pawnee"		O-540-B2B5, -B2C5 (LY)	-	FA8452	-	84.0	82.3	-	1
PA-25-260 "Pawnee"		O-540-G1A5, -G2A5 (LY)	-	FA8452	-	84.0	82.3	-	1
PA-28-140 "Cherokee Cruiser"		O-320-E2A, -E3D (LY)	MGM7456	MGM7458	MGM7460	74.0	72.5	-	-
PA-28-150 "Cherokee"		O-320-A2B, -E2A (LY)	MGM7456	MGM7458	MGM7460	74.0	72.5	-	-
PA-28-151 "Cherokee Warrior"		O-320-E3D (LY)	-	EGM7653	-	76.0	74.5	-	-
PA-28S-160 "Cherokee 160"		O-320-D2A (LY)	-	GM7947	-	79.0	78.0	-	1, 38
PA-28-180 "Cherokee 180" "Archer"		O-360-A3A, -A4A, -A4M (LY)	-	BMS7660	-	76.0	74.0	-	-

McCauley Application Guide (continued)

Price chart on page 243

Aircraft Type: A = Amphibian • F = Floatplane • L = Landplane • S = Skiplane • Engine Type: FR = Franklin • LY = Lycoming • STC = STC modified engine • TCM = Continental/ Rolls Royce

Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
PA-28S-180 (S/N 28-671 to 28-1760A)		O-360-A3A, -A4A (LY)	-	FA8248	-	82.0	81.0	-	28
PA-28S-180 (S/N 28-1761 to 28-5859, and 28-7105001 to 28-7105234)		O-360-A3A, -A4A (LY)	-	DFA8248	-	82.0	81.0	-	28
PA-28-181		O-360-A4A, -A4M (LY)	-	BMS7660	-	76.0	74.0	-	-
PA-28-235 "Cherokee 235"		O-540-B1B5, -B2B5, -B4B5 (LY)	-	PFA8069	-	80.0	78.5	-	1
PA-32-260 "Cherokee Six 260" (S/N 32-1 to 32-1297, and 32-7100001 to 32-7200045)		O-540-E4B5 (LY)	-	PFA8266	-	82.0	80.5	-	1
PA-36-300 "Brave 300"		IO-540-K1G5 (LY)	-	DFA9049	-	90.0	-	D-3328	-
■ RAWDON (Spinks Industries)									
T-1		O-360-A1A, -A1D (LY)	FA8241	FA8243	FA8245	82.0	80.0	-	1
		O-290-C (LY)	-	DM7651	-	76.0	74.5	-	1
		O-290-D2 (LY)	-	GM7653	-	76.0	74.5	-	1
■ S.O.C.A.T.A. – Groupe AEROSPATIALE									
MS 880B "Rallye"		O-200-A (TCM)	-	SCM7146	-	71.0	70.0	-	-
MS 880B "Rallye Club", RALLYE 100S		O-200-A (TCM)	-	DCM6948	-	69.0	67.0	-	-
MS 885 "Super Rallye"		O-300-A, -B (TCM)	MDM7652	MDM7655	MDM7658	76.0	74.0	-	-
MS 892A-150 "Commodore", MS 892E-150 "Rallye 150GT"		O-320-E2A (LY)	-	MGM7650	-	76.0	74.0	-	-
			-	MGM7652	-	76.0	74.0	-	-
■ STINSON (Consolidated Vultee Aircraft Corp, Stinson Division)									
10, HW-75		A-75-3, -6, -8, -9 (TCM)	-	CF7038	-	70.0	68.5	-	1
		A-80-6, -6J, -8, -8J, -9, -9J (TCM)	CF7038	CF7040	-	70.0	68.5	-	1
■ STINSON (Univair Aircraft Corporation)									
108, 108-1	L, F	6A4-150-B3 (FR)	DM7649	DM7652	DM7654	76.0	74.0	-	29
		6A4-150-B31 (FR)	DM7649	DM7652	DM7654	76.0	74.0	-	29
		6A4-150-B4 (FR)	SFC7649	SFC7652	SFC7654	76.0	74.0	-	29
		6A4-165-B3 (FR)	DM7649	DM7652	DM7654	76.0	74.0	-	17
		6A4-165-B4 (FR)	SFC7649	SFC7652	SFC7654	76.0	74.0	-	17
108-2, 108-3		6A4-165-B3 (FR)	DM7649	DM7652	DM7654	76.0	74.0	-	17
		6A4-165-B4 (FR)	SFC7649	SFC7652	SFC7654	76.0	74.0	-	17
108-2	F	6A4-165-B3 (FR)	DM7649	DM7652	DM7654	76.0	74.0	-	17
		6A4-165-B4 (FR)	SFC7649	SFC7652	SFC7654	76.0	74.0	-	17
108-3	F	6A4-165-B3 (FR)	-	DM7649	-	76.0	74.0	-	17
		6A4-165-B4 (FR)	-	SFC7649	-	76.0	74.0	-	17
■ TAYLORCRAFT									
BC-65		A-65-1, -3, -3J, -7, -7J, -8, -8J (TCM)	CF7443	CF7445	CF7447	74.0	72.5	-	1
BCS-65	F	A-65-1, -3, -3J, -7, -7J, -8, -8J (TCM)	CF7442	CF7443	-	74.0	72.5	-	1
BC12-65, L-2H		A-65-7 -7J, -8, -8F, -8J (TCM)	CF7441	CF7443	CF7445	74.0	72.5	-	1
BCS12-65, L-2H	F	A-65-7, -7J, -8, -8F, -8J (TCM)	CF7441	CF7443	CF7445	74.0	72.5	-	1
BC12-D, -D1		A-65-8, -8F, -8J (TCM)	CF7443	CF7445	CF7447	74.0	72.5	-	1

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Aircraft Model	Type	Engine Model (Make)	Propeller Model			Diameter		McCauley Spinner	Notes p. 240
			Climb	Standard	Cruise	Max	Min		
BCS12-D, -D1	F	A-65-8, -8F, -8J (TCM)	CF7442	CF7443	-	74.0	72.5	-	1
BC12D-85		C85-8F (TCM)	CF7146	CF7148	CF7150	71.0	69.5	-	1
BCS12D-85	F	C85-8F (TCM)	-	CF7144	CF7146	71.0	69.5	-	1
BC12-D-4-85		C85-12F (TCM)	CF7146	CF7148	CF7150	71.0	69.5	-	1
BCS12-D-4-85	F	C85-12F (TCM)	-	CF7144	CF7146	71.0	69.5	-	1
DC0-65, L-2A, L-2B, L-2M		A-65-8 (TCM)	-	CF7443	-	74.0	72.5	-	1
15A "Tourist"		C-145-2 (TCM)	-	DM7651	-	76.0	74.0	-	-
19		C85-12, -12F (TCM)	CF7141	CF7142	-	71.0	69.5	-	1
F19		0-200-A (TCM)	- -	SCM6950 CM7443	- -	69.0 74.0	69.0 71.0	- -	- -
■ THORP (AD Aerospace Inc.)									
T-211 "Skyshooter"		0-200-A (TCM)	-	MCM6756	-	67.0	67.0	-	1, 10
■ UNIVAIR AIRCRAFT CORPORATION (formerly ERCO, Forney, Air Products, Alon, and Mooney)									
415C (ERCO) (S/N 1 to 112) "Ercoupe"		A-65-7, -8, -9, -9J (TCM)	CF7441 CM7441	CF7443 CM7443	CF7445 CM7445	74.0 74.0	72.5 72.5	- -	1 1
415C, CD (ERCO) "Ercoupe"		C75-12, -12F (TCM) C90-12F (TCM) C90-14F (TCM)	- - - -	CF7351 CM7351 CM CM7152	- - - -	73.0 73.0 - 71.0	71.0 71.0 - -	- - - -	1 1 - -
415C, D, E, G (ERCO) "Ercoupe"		C85-12, -12F (TCM)	CF7148 CM7148	CF7150 CM7150	CF7152 CM7152	71.0 71.0	69.5 69.5	- -	1 1
415D (ERCO) "Ercoupe"	L	0-200-A (TCM)	-	DCM6948	-	69.0	69.0	-	-
F-1, F-1A "Aircoupe"		C90-12F (TCM)	CF7148 CM7148	CF7150 CM7150	CF7152 CM7152	71.0 71.0	69.5 69.5	- -	1 1
A-2, A-2A (ALON), M-10 (MOONEY) "Cadet"		C90-12F, -16F (TCM)	CF7148 CM7148 -	CF7150 CM7150 SCM7153	CF7152 CM7152 -	71.0 71.0 71.0	69.5 69.5 69.5	- - -	1 1 -

This chart has been truncated to fit the Univair catalog; Univair assumes no responsibility for accuracy of information. The full application guide can be downloaded from the McCauley Textron website.

McCauley manufactures a full line of aluminum fixed pitch propellers for single-engine aircraft that maximize performance and minimize operating costs.

Univair furnishes a bolt kit with the purchase of each propeller. Bolt kits can also be purchased separately. See page 243 for list of bolt kits.

Additional benefits of McCauley propellers include:

- High-strength, corrosion-resistant aluminum alloy
- Precision engineering and manufacturing
- Maximum take-off and climb performance
- Longest TBO available anywhere
- Fewest ADs in the industry
- Quieter fly-over and cabin noise levels
- Distinctive design and styling - ISO 9001/AS 9000 certified quality

NOTE DESCRIPTION

1. This is the recommended pitch, but it can be increased or decreased as long as the static rpm stays within the rpm limitations per the aircraft TCDS.
2. Any other 1A170 can be used as long as the static rpm stays between 2490 and 2240 rpm.
3. Any other 1A170 can be used as long as the static rpm stays between 2540 and 2380 rpm.
4. Any other 1A170 can be used as long as the static rpm stays between 2600 and 2400 rpm; avoid continuous operation between 2100 and 2300 rpm.
5. Any other 1A170 can be used as long as the static rpm stays between 2450 and 2250 rpm; avoid continuous operation between 2100 and 2300 rpm.
6. Applicable on S/N 1000–1035 only.
7. Nose cowling modification required. See aircraft TCDS.
8. Spinner assembly must be modified in accordance with McCauley Service Bulletin 61.
9. Avoid continuous operation between 1700 and 2100 rpm during descending flight.
10. The engine must be modified per STC SE8WE.
11. Eligible on aircraft modified per Champion Service Letter 63.
12. STC requires specific floats, modifications to aircraft landing gear and/or a specific tire size. Refer to appropriate STC.
13. Avoid continuous operation between 2150 and 2350 rpm.
14. Approved pitch is 40 to 45".
15. IO-320-E2A, -E2B must be modified per STC SE7CE.
16. This propeller is no longer procurable from McCauley.
17. Avoid continuous operation between 2150 and 2250 rpm.
18. Also includes aircraft reworked per SK152-15 or SK152-16.
19. Aircraft must be modified per Cessna Modification Kit MK 172-72-01 (aircraft S/N specific).
20. Avoid continuous operation while descending between 2150 and 2350 rpm with power retarded below ¼ throttle.
21. Avoid continuous operation while descending between 2050 and 2450 rpm with power retarded below ¼ throttle.
22. Approved pitch range is 40 to 44".
23. O-320 series engines rated at 150hp.
24. With fuselage tank the static rpm is 2145 - 2045, and with the wing tank the static rpm is 2145–1940 rpm.
25. O-320 series engines rated at 160hp.
26. Maximum static rpm of 2250 is permissible when airfield pressure altitude is above 5000 ft.
27. When modified per Maule Modification Kit No. 36.
28. Two propeller flange bushings must be replaced with Lycoming P/N 72060S index bushing and Lycoming P/N 721061S bushing, at flange index mark and opposite. A spacer, Piper P/N 79528-0 is required between propeller and engine flange.
29. Avoid continuous operation between 2100 and 2300 rpm.
30. Engines with hollow crankshafts (excludes engines with suffixes having a digit "4" or higher in the second position).
31. Avoid continuous operation between 1850 and 2250 rpm during descending flight.
32. Aircraft must have Univair STC SA7435SW installed.
33. Engine must be installed per applicable STC.
34. Aircraft must be modified per STC SA1-51.
35. Aircraft must be modified per STC SA1-644 or STC SA3-106.
36. Approved pitch range is 41 to 44".
37. Approved pitch range is 47 to 56".
38. Two propeller flange bushings must be replaced with Lycoming #72068S bushings at propeller blade positions corresponding to noncounterbored bolt holes.
39. Increase in T/O and max-continuous power to 180hp and increase in gross weight to 2,550 pounds.
40. Must be equipped with wheel/tire or ski installations which position the main gear axle centerline at least 9" above the ground or bottom of the ski to ensure adequate propeller clearances.
41. For banner or glider tow the static rpm is 2450–2550 rpm.
42. Limited to aircraft with metal wing spars.
43. 71" - 70" diameter, avoid continuous operation while descending between 2025 and 2325 rpm with power retarded below ¼ throttle setting. 70" - 69" diameter, avoid continuous operation while descending between 2075 and 2400 rpm with power retarded below ¼ throttle setting.
44. Engine must be rated at 180hp at 2700 rpm.
45. For banner or glider tow the static rpm is 2400–2550 rpm.
46. For banner or glider tow the static rpm is 2500–2600 rpm.
47. For banner or glider tow the static rpm is 2475–2575 rpm.
48. Avoid continuous operation while descending between 2075 and 2400 rpm with power retarded below ¼ throttle setting.
49. When changing to a different propeller model a different spinner assembly may be required. Check aircraft TCDS or appropriate STC.
50. Requires Eagle Aircraft modification kit MK-04.
51. Requires other modifications to aircraft. Refer to STC.
52. Avoid continuous operation between 1850 and 2250 rpm.
53. Avoid continuous operation while descending between 2025 and 2325 rpm with power retarded below ¼ throttle setting.
54. O-360 series engines rated at 180hp.
55. Aircraft manufactured by Victa and certified by Australian CASA.
56. Aircraft manufactured by Aero Engine Services LTD and certified by New Zealand CAA.

McCauley Fixed Pitch Propeller Information

Model	FAA Design	Bolt Circle	# of Bolts	Bolt Dia.	Flange Type	Spacer P/N	Bolt Kit	Type Cert.	Weight/lbs	Comments
ACM	1A100	4.375	6	3/8	SAE 1	B-3400	B4622-10	P918	23.5	
AFA	1P235	4.750	6	1/2		–	B4622-25	P12EA	36.5	
AGM	1C172	4.750	6	3/8		B-3515	B4622-15	P910	36.2	
ALM	1C90	4.375 4.750	6	3/8	SAE 2	C-3635	B4622-8	P842	25.5	
AOM	1A200	4.000	6	1/2		–	B4622-4	P874	43.2	
ATM	1A175	4.750	6	7/16		B-3898	B4622-20	P857	40.5	Obsolete
BCM	1A105	4.375	6	3/8	SAE 1	B-3927	B4622-16	P918	22.5	
BFA	1B235	4.750	6	1/2		B-3637	B4622-27	P12EA	45.3	
BMS	1A170	4.750	6	1/2		B-6627	B4622-41	P857	36.0	
BRM	1A135	4.000	6	1/2		B-3718	B4622-1	P842	26.0	
BTM	1C172	4.750	6	3/8		B-4381	B4622-37	P910	35.9	
CF	1A90	4.375	6	3/8	SAE 1	–	UB4622-42 UB4622-9	P842	22.8	Tapered Flanged
CFA	1A170	4.750	6	1/2		B-3637	B4622-23	P857	43.0	
CH	1A90	4.375	6	3/8	SAE 1	–	UB4622-42	P842	21.0	Obsolete
CLM	1C90	4.750	6	3/8	SAE 2	B-3515	B4622-33	P842	25.0	
CM	1B90	4.375	6	3/8	SAE 1	–	UB4622-42 UB4622-9	P842	23.5	Tapered Flanged
CRM	1A135	4.000	6	1/2		B-3718	B4622-1	P842	23.8	
CTM	1C160	4.750	6	7/16		B-3898	B4622-20	P910	35.8	Obsolete
DCM	1A101	4.375	6	3/8	SAE 1	–	UB4622-9	P918	21.8	
DF	1A170	5.250	8	3/8		–	UB4622-30	P857	32.0	Obsolete
DFA	1A200	4.750	6	1/2		B-3434	B4622-28	P874	47.0	
DFC	1B235	4.000	6	1/2		–	B4622-5	P12EA	38.5	
DLM	1C90	4.750	6	3/8		B-4160	B4622-13	P842		Obsolete
DM	1A170	5.250	8	3/8		–	UB4622-30 B4622-36	P857	33.5	Short bolt kit Long bolt kit
DM	1A175	5.250	8	3/8		–	UB4622-30 B4622-36	P857	34.0	Short bolt kit Long bolt kit
DRM	1A135	4.000	6	1/2		C-7639	B4622-1	P842	23.8	
DTM	1C160	4.750	6	7/16		C-4592 or B-4516	B4622-20	P910	35.5	
ECM	1B90	4.375	6	3/8	SAE 1	B-3927	B4622-16	P842	36.5	
EFA	1A170	4.750	6	1/2		B-4020	B4622-24	P857	36.5	
EFC	1B235	4.000	6	1/2		C-7744	B4622-45	P12EA		
EGM	1C160	4.750	6	3/8		–	UB4622-14	P910	30.5	
EM	1C172	4.000	6	1/2		–	B4622-3	P910	31.0	
ETM	1A175	4.750	6	7/16		C-4592 or B-4516	B4622-20	P857	39.0	
FA	1A200	4.750	6	1/2		–	B4622-26	P874	44.5	
FC	1A175	4.000	6	1/2		–	B4622-4	P857	37.0	Obsolete
FCM	1B90	4.375	6	3/8	SAE 1	B-4301	B4622-17	P842		
FFA	1A170	4.750	6	1/2		B-4273	B4622-38	P857	38.0	Obsolete
FGM	1C160	4.750	6	3/8		B-4561	B4622-19	P910	32.0	

Model	FAA Design	Bolt Circle	# of Bolts	Bolt Dia.	Flange Type	Spacer P/N	Bolt Kit	Type Cert.	Weight/lbs	Comments
FM	1A200	6.000	8	7/16		–	B4622-31	P874	45.0	
GCM	1A101	4.375	6	3/8	SAE 1	B-4304	B4622-11	P918	26.8	Obsolete
GM	1A170	4.750	6	3/8	SAE 2	–	UB4622-14	P857	33.0	
GM	1A175	4.750	6	3/8	SAE 2	–	UB4622-14	P857	34.2	
GMA	1A175	4.750	6	3/8		B-3515	B4622-15	P857	38.7	
HCM	1A101	4.375	6	3/8	SAE 1	B-4351	B4622-12	P918	26.4	Obsolete
HFA	1A200	4.750	6	1/2		B-4585	B4622-29	P874	46.0	
HM	1B200	6.000	8	7/16		C-1225	B4622-31	P874		Obsolete
JCM	1A135	4.375	6	3/8	SAE 1	B-3927	B4622-18	P842	24.8	
JFA	1A170E	4.750	6	1/2		C-5464 or C-7726	B4622-40	P857	40.75	
JHA	1A170E	4.750	6	1/2		C-5464 or C-7726	B4622-40	P857	42.0	
KCM	1A135	4.375	6	3/8	SAE 1	B-4446	B4622-19	P842	27.5	
KFA	1A170	4.750	6	1/2		B-4273	B4622-38	P857	41.25	
L	1A170	5.250	8	3/8		–	UB4622-30	P857		Obsolete
LCM	1B90	4.375	6	3/8	SAE 1	B-3400	B4622-10	P842	24.0	
LF	1C90	4.375 4.750	6 6	3/8	SAE 2	C-1210	B4622-7	P842		Obsolete
LFA	1C235	4.750	6	1/2		C-5464 or C-7726	B4622-40	P12EA	42.0	
LL	1A170	5.250	8	3/8		–	UB4622-30	P857	33.5	
LM	1C90	4.375 4.750	6 6	3/8	SAE 2	C-1210	B4622-7	P842	24.8	
MCM	1A100	4.375	6	3/8	SAE 1	–	B4622-9	P918	21.0	
MDM	1C172	5.250	8	3/8		–	UB4622-30	P910	32.3	
MFA	1C172	4.750	6	1/2		–	B4622-25	P910	33.2	
MFC	1B175	4.000	6	1/2		–	B4622-5	P857	36.0	
MGM	1C172	4.750	6	3/8		–	UB4622-14	P910	32.3	
MTM	1C172	4.750	6	7/16		B-3898	B4622-20	P910	37.5	Obsolete
OCM	1A102	4.375	6	3/8	SAE 1	C-4513 or C-4593	B4622-12	P918	24.9	
OM	1D200	4.000	6	1/2		–	B4622-5	P874	39.0	
PCM	1A100	4.375	6	3/8	SAE 1	C-4513 or C-4593	B4622-12	P918	24.9	Obsolete
PFA	1P235	4.750	6	1/2		B-3246	B4622-28	P12EA	40.5	
RM	1A135	4.000	6	1/2		–	B4622-2	P842	23.7	
SBTM	1C172	4.750	6	7/16		B-4425	B4622-37	P910	47.6	
SCM	1A105	4.375	6	3/8	SAE 1	–	UB4622-9	P918	20.5	
SFA	1A170	4.750	6	1/2		–	B4622-25	P857	33.0	
SFC	1A170 1A175	4.000	6	1/2		–	B4622-5	P857	33.0 36.3	
SLM	1A105	4.375 4.750	6 6	3/8	SAE 2	C-1210	B4622-7	P918		Obsolete
TCD	1A162	4.000	6	3/8		B-7925	B4622-49	P857	24.4	LSA
TCM	1A103	4.375	6	3/8	SAE 1	–	B4622-43	P50GL	23.0	Obsolete
TM	1C172	4.750	6	7/16		B-3821	B4622-22	P910	32.4	
WFA	1A200	4.750	6	1/2		B-3637	B4622-44	P874		

McCauley Propeller Prices

- A bolt kit is furnished with each propeller
- Bolt kit for flange shaft will be sent for all Continental engines unless otherwise specified
- Proper spacer or adapter is included where necessary

Note that we do not stock all of the propellers listed below. Non-stocked propellers require 4-6 months for delivery. If you wish to know the availability of a propeller before purchasing, please call us during regular business hours at 1-888-433-5433 (+1-303-375-8882 international).

ACM6948 ..... **CALL**
AFA8452 ..... **CALL**
AGM7250 ..... **CALL**
AGM7254 ..... **CALL**
ALM7246 ..... **CALL**
AOM9044 ..... **CALL**
BCM7056 ..... **CALL**
BFA7762 ..... **CALL**
BRM7150 ..... **CALL**
BTM7359 ..... **CALL**
CF7535 ..... **CALL**
CF7538 ..... **CALL**
CLM7250 ..... **CALL**
CM7138 ..... **CALL**
CM7142 ..... **CALL**
CM7143 ..... **CALL**
CM7144 ..... **CALL**
CM7146 ..... **CALL**
CM7148 ..... **CALL**
CM7149 ..... **CALL**
CM7150 ..... **CALL**
CM7151 ..... **CALL**
CM7152 ..... **CALL**
CM7154 ..... **CALL**
CM7175 ..... **CALL**
CM7341 ..... **CALL**
CM7343 ..... **CALL**
CM7345 ..... **CALL**
CM7347 ..... **CALL**
CM7351 ..... **CALL**
CM7441 ..... **CALL**
CM7443 ..... **CALL**
CM7445 ..... **CALL**
CM7447 ..... **CALL**
CM7448 ..... **CALL**
CM7449 ..... **CALL**
CM7450 ..... **CALL**
DCM6944 ..... **CALL**
DCM6946 ..... **CALL**
DCM6948 ..... **CALL**
DFA9043 ..... **CALL**
DM7355 ..... **CALL**
DM7357 ..... **CALL**
DM7359 ..... **CALL**
DM7458 ..... **CALL**
DM7460 ..... **CALL**
DM7649 ..... **CALL**
DM7652 ..... **CALL**
DM7653 ..... **CALL**
DM7654 ..... **CALL**
DM7655 ..... **CALL**
DM7659 ..... **CALL**
DM7660 ..... **CALL**
DTM7553 ..... **CALL**
DTM7557 ..... **CALL**
ECM7250 ..... **CALL**
EFA7658 ..... **CALL**
EGM7653 ..... **CALL**
EM7652 ..... **CALL**
ETM8042 ..... **CALL**
FA8242 ..... **CALL**
FA8243 ..... **CALL**
FA8452 ..... **CALL**
FM8570 ..... **CALL**
GM7452 ..... **CALL**
GM7459 ..... **CALL**
GM7461 ..... **CALL**
GM8240 ..... **CALL**
GM8241 ..... **CALL**
GM8242 ..... **CALL**
GM8243 ..... **CALL**
GM8244 ..... **CALL**
GM8245 ..... **CALL**
JCM7154 ..... **CALL**
LL7649 ..... **CALL**
MCM6948 ..... **CALL**
MCM6950 ..... **CALL**
MDM7647 ..... **CALL**
MDM7653 ..... **CALL**
MDM7656 ..... **CALL**
MFA7454 ..... **CALL**
MFA7460 ..... **CALL**
MFC8455 ..... **CALL**
MGM7456 ..... **CALL**
MTM7453 ..... **CALL**
SCM7150 ..... **CALL**
SCM7153 ..... **CALL**
SFC7652 ..... **CALL**
SFC7654 ..... **CALL**
SFC8040 ..... **CALL**
TM7652 ..... **CALL**
TM7653 ..... **CALL**

McCauley Installation Bolt Kits

Bolt Kit – EM ..... B4622-3 ..... **CALL**
Bolt Kit – DFC, MFC, SFC ..... B4622-5 ..... **CALL**
Bolt Kit ..... B4622-7 ..... **CALL**
Bolt Kit – ALM ..... B4622-8 ..... **CALL**
Bolt Kit – CF, CM, DEM (B4622-9) ..... UB4622-9 ..... **$244.69**
Bolt Kit – HCM, OCM, PCM ..... B4622-12 ..... **CALL**
Bolt Kit – EGM, GM, MGM ..... UB4622-14 ..... **$425.54**
Bolt Kit – AGM, GMA ..... B4622-15 ..... **CALL**
Bolt Kit – DTM, ETM, MTM ..... B4622-20 ..... **CALL**
Bolt Kit – TM ..... B4622-22 ..... **CALL**
Bolt Kit – AFA, MFA ..... B4622-25 ..... **CALL**
Bolt Kit – FA, FM ..... B4622-26 ..... **CALL**
Bolt Kit ..... B4622-28 ..... **CALL**
Bolt Kit – MDM, LL, DM, DF (B4622-30) ..... UB4622-30 ..... **$213.50**
Bolt Kit (B4622-34) ..... B4622-38 ..... **CALL**
Bolt Kit (B4622-6, B4622-42) ..... UB4622-42 ..... **$228.57**
Bolt Kit (B4622-35) ..... B4622-43 ..... **CALL**

Reference Charts

Propeller Mounting Bolt or Nut Installation Torques

Bolt or Nut Diameter	Torque (DRY) Pound-Feet	Pound-Inches
3/8″	30 to 25	360 to 300
7/16″	45 to 40	540 to 480
1/2″	65 to 55	780 to 660

Spinner Weight

Spinner	Weight in Pounds
D-3328	3.1
D-3339	3.7
D3875	2.7
D-4235-1	5.3
D-4235-5	5.2
D-4319	3.8

Price chart on page 255

One attaching kit is furnished with each propeller. An attaching kit for the flanged shaft will be supplied for all installations unless otherwise specified. Tapered shaft installation must be specified. When ordering for Lycoming O-145 installation, specifiy 74CKL attaching kit.

AIRCRAFT	ENGINE	STANDARD	CLIMB	CRUISE	DIAMETER	STATIC RPM LIMITS	MIN. DIA. FOR REPAIR	NOTES
Aero Commander 100	Lycoming O-320 /150	74DM6-0-60			74 inches			
Aeronca 11AC	Continental A-65 / 65	74CK-0-46			74 inches	2100-2250	72.5 inches	1
Aeronca 11BC	Continental C-85 / 85	74CK-2-46			72 inches	2160-2380	70 inches	1
Aeronca 11CC	Continental C-85 / 85	74CK-2-46			72 inches	2300-2465	70 inches	1
Aeronca 15AC	Continental C-145-D	74DR-0-52		74DR-0-54	74 inches	2240-2490	72 inches	
Aeronca 65TAC, L3, O58, YO58	Continental A-65 / 65	74CK-0-46	74CK-0-44		74 inches	2050-2250	72 inches	1
Aeronca 65TL, 65LA, 65LB, 65TAL	Lycoming O-145-B	74CK-2-36			72 inches	2250-2550	68 inches	2
Aeronca S11AC	Continental A-65 / 65	74CK-0-40			74 inches	2070-2170	72.5 inches	1
Aeronca S11BC	Continental C-85 / 85	74CK-2-40			72 inches	2280-2380	70 inches	1
Aeronca S11CC	Continental C-85 / 85	74CK-2-40			72 inches	2300-2465	70 inches	1
Aeronca S15AC	Continental C-145	74DR-0-48			74 inches	2380-2540	72 inches	
Aeronca S65TC, SO-58D	Continental A-65 / 65	74CK-0-40			74 inches	2050-2250	72 inches	1
American General AG-5B	Lycoming O-360 /180	76EM8S10-0-63	76EM8S10-0-61	76EM8S10-0-65	76 inches		76 inches	
Avions Pierre Robin DR400 / 118	Lycoming O-235-L2C	72CKS6-0-56			72 inches		70 inches	
Avions Pierre Robin DR400 / 120	Lycoming O-235-L2A	72CKS6-0-56			72 inches		70 inches	
Avions Pierre Robin DR400/140B	Lycoming O-320-D2A /140	74DM6S5-2-64	74DM6S5-2-60		72 inches		72 inches	
Avions Pierre Robin DR400/160	Lycoming O-320-D2A /160	74DM6S5-2-64			72 inches		72 inches	
Avions Pierre Robin DR400/180	Lycoming O-360-A3A /180	76EM8S5-0-64	76EM8S5-0-58		76 inches		76 inches	
Avions Pierre Robin DR400/180R	Lycoming O-360-A3O /180	76EM8S5-0-58		76EM8S5-0-64	76 inches		76 inches	
Avions Pierre Robin R 2160	Lycoming O-320-D2A	74DM6S5-2-64			74 inches		72 inches	
Avions Pierre Robin R 3000 / 180	Lycoming O-360-A3A /180	76EM8S5-0-64			76 inches		76 inches	
Beagle B121 Pup 150	Lycoming O-320 /150	74DM6S5-0-60			74 inches		72 inches	
Beagle B121 Pup 160	Lycoming O-320 /160	74DM6S5-0-62			74 inches		72 inches	
Beech Model 19A, M19A	Lycoming O-320 /150	74DM6-0-58			74 inches	2300-2400	74 inches	
Beech Model 23	Lycoming O-320 /160	74DM6-0-60	74DM6-0-56		74 inches	2300-2400	74 inches	
Beech Model 77 SKIPPER	Lycoming O-235 /115	72CKS12-0-52			72 inches	2275-2375	70 inches	
Beech Model A-23-19	Lycoming O-320 /150	74DM6-0-58			74 inches	2300-2400	74 inches	
Beech Model B19 SPORT	Lycoming O-320 /150	74DM6S5-0-54		74DM6S5-0-58	74 inches	2300-2550	74 inches	3
Beech Model B23	Lycoming O-360 /180	76EM8S5-0-60			76 inches	2250-2350	76 inches	6
Beech Model C23 SUNDOWNER	Lycoming O-360 /180	76EM8S5-0-60			76 inches	2250-2350	76 inches	6
Beech Models A23, A23A	Continental IO-346-A	74DC-0-60	74DC-0-56		74 inches	2300-2400	74 inches	
Bellanca 7AC	Continental A-65	74CK-0-46	74CK-0-44		74 inches	1960-2550	72 inches	1
Bellanca 7BCM	Continental C-85	74CK-2-46	74CK-2-44		72 inches	2200-2450	70 inches	1
Bellanca 7CCM	Continental C-90	76AK-2-46	76AK-2-44	76AK-2-48	74 inches	2150-2410	72.5 inches	1
Bellanca 7DC	Continental C-85	74CK-2-44	74CK-2-42		72 inches	2300-2465	70 inches	1
Bellanca 7EC, 7FC, 7JC	Continental C-90	76AK-2-46	76AK-2-44	76AK-2-48	74 inches	2150-2350	72.5 inches	1
Bellanca 7EC, 7FC, 7JC, 7CCM	Continental C-90	76AK-2-42			74 inches		72.5 inches	1
Bellanca 7ECA	Lycoming O-235-K2C /115	72CKS8-0-52			72 inches	2215-2530	70 inches	
Bellanca 7GC	Lycoming O-290-D2 /135	74DM6-0-57	74DM6-0-50		74 inches	2300-2500	72.5 inches	
Bellanca 7GCA, 7GCB	Lycoming O-320 /150	74DM6-0-57	74DM6-0-52		74 inches	2300-2610	72.5 inches	
Bellanca 7GCAA, 7GCBC	Lycoming O-320 /150	74DM6S8-1-56	74DM6S8-1-52		73 inches	2300-2640	72 inches	
Bellanca 7GCBA	Lycoming O-320 /150	74DM6-0-52			74 inches	2300-2610	72.5 inches	4
Bellanca 7HC	Lycoming O-290-D2 /135	74DM6-0-57			74 inches	2300-2500	72.5 inches	
Bellanca 7KC	Lycoming O-320 /150	74DM6-0-57			74 inches	2300-2610	72.5 inches	
Bellanca 7KCAB	Lycoming (AE)IO-320 /150	74DM6S8-1-56	74DM6S8-1-52		73 inches	2300-2540	72 inches	
Bellanca 8KCAB	Lycoming AEIO-320	74DM6S8-0-58			74 inches	2200-2450	72 inches	
Bellanca S7AC	Continental A-65	74CK-0-40			74 inches	1960-2550	72 inches	1
Bellanca S7CCM	Continental C-90	76AK-2-42			74 inches	2150-2410	72.5 inches	1
Bellanca S7EC	Continental C-90	76AK-2-42			74 inches	2300-2400	72.5 inches	1
Call A-4	Lycoming O-290-D2	74DM6-0-50			74 inches			
Call A-5, A5T	Lycoming O-320 /150	74DM6-0-52			74 inches			
Cessna 120, 140	Continental C-85	76AK-2-44	76AK-2-42		74 inches	2190-2290	72.5 inches	1
Cessna 120S, 140S	Continental C-85	76AK-2-40			74 inches	2190-2290	72.5 inches	1
Cessna 150 (ALL)/ 150 (STC Avcon Conversions)	Lycoming O-320/ 150	74DM6S5-0-58			74 inches			7/D
Cessna 150 S.P.(ALL)/150 (STC Avcon Conversions)	Lycoming O-320/ 150	74DM6S5-0-XX			74 inches			7/D
Cessna 150, thru 150K	Continental O-200	69CK-0-50L	69CK-0-48L	69CK-0-52L	69 inches	2320-2470	67.5 inches	5

Price and availability subject to change without notice • Univair's Toll Free Sales: 1-888-433-5433

Most Sensenich propellers will need to be ordered from Sensenich. Please allow 4-6 months minimum for delivery.

Price chart on page 255

AIRCRAFT	ENGINE	STANDARD	CLIMB	CRUISE	DIAMETER	STATIC RPM LIMITS	MIN. DIA. FOR REPAIR	NOTES
Cessna 150L, A150L, 150M, A150M (STC)	Continental O-200	69CKS12-0-50L	69CKS12-0-48L	69CKS12-0-52L	69 inches	2320-2470	67.5 inches	7/K
Cessna 152 (110) / (STC Airmods NW)	Lycoming O-235-L2C/ 110	72CKS6-0-54	72CKS6-0-52	72CKS6-0-56	72 inches	2150-2350	70 inches	7/B
Cessna 152 (125) / (STC Airmods NW)	Lycoming O-235-L2C/ 125	72CKS6-0-54	72CKS6-0-52	72CKS6-0-56	72 inches	2150-2350	70 inches	7/B
Cessna 152 / (STC Sensenich)	Lycoming O-235-L2C/ 110	72CKS6-0-54		72CKS6-0-56	72 inches	2100-2275	70 inches	7/K
Cessna 170 / 180 (STC Avcon Conversions)	Lycoming O-360 /180	76EM8S5-0-56	76EM8S5-0-54	76EM8S5-0-60	76 inches		76 inches	7/D
Cessna 170A and 170B (STC Del-Air)	Lycoming O-360-A4M /180	76EM8S5-0-60			76 inches	2325-2425	76 inches	7/E
Cessna 172 /180 (STC Penn Yan)	Lycoming O-360 /180	76EM8SPY-0-60			76 inches		76 inches	7/H
Cessna 172 /180 (STC Avcon Conv)	Lycoming O-360 /180	76EM8S5-0-56			76 inches		76 inches	7/D
Cessna 172 Through 172H (STC Del-Air)	Lycoming O-360-A4M /180	76EM8S5-0-60			76 inches	2325-2425	76 inches	7/E
Cessna 172, 172A /180 (STC Alphin Aircraft)	Lycoming O-360 /180	76EM8 Series			76 inches		76 inches	7/C
Cessna 172, thru 172C	Continental O-300-C, D	74DC-0-56			74 inches	2300-2420	72.5 inches	
Cessna 172/ 145	Continental O-300-A, -B	74DR-0-55	74DR-0-53	74DR-0-56	74 inches	2300-2430	72 inches	
Cessna 172I, thru 172P /180 (STC/Alphin)	Lycoming O-360 /180	76EM8S14-0-60			76 inches		76 inches	7/C
Cessna 172I, thru 172P /180 / (STC/Air Plains)	Lycoming O-360 /180	76EM8S14-0-60			76 inches		76 inches	7/A
Cessna 172I, thru M /150 (STC Sensenich)	Lycoming O-320 /150	74DM7S14-0-58	74DM7S14-0-56	74DM7S14-0-60	74 inches	2100-2400	72 inches	7/K
Cessna 172N, 172P/ 160 (STC Sensenich)	Lycoming O-320 /160	74DM7S14-0-58	74DM7S14-0-56	74DM7S14-0-62	74 inches	2200-2500	72 inches	7/K
Cessna 175 Through 175C, P172D (STC Del-Air)	Lycoming O-360-A4M /180	76EM8S5-0-60			76 inches	2325-2425	76 inches	7/E
Cessna 175/ 180 (STC Avcon Conversions)	Lycoming O-360 /180	76EM8 Series			76 inches	2100-2250	76 inches	7/D
Cessna 177/ 180 (STC Avcon Conversions)	Lycoming O-360 /180	76EM8 Series			76 inches	2100-2250	76 inches	7/D
Commonwealth 175	Continental A-75	74CK-2-38	74CK-2-36		72 inches	2120-2470	70 inches	1
Commonwealth 185 (Skyranger)	Continental C-85 /85	76AK-2-44	76AK-2-42		74 inches	2320-2220	72 inches	1
Ercoupe (Univair) 415D	Continental O-200	69CK-0-52L	69CK-0-50L	69CK-0-54L	69 inches		67 inches	7/J
Ercoupe 415C, 415CD, 415D	Continental C-75	76AK-2-48			74 inches	2050-2125	72.5 inches	1
Ercoupe 415C, 415CD, 415D, E, G	Continental C-85	76AK-2-46		76AK-2-48	74 inches	2175-2250	72.5 inches	1
Ercoupe 415D	Continental O-200	69CK-0-52L	69CK-0-50L	69CK-0-54L	69 inches	2320-2470	67 inches	1
Fleet 80 Canuck	Continental C-85	76AK-2-42	76AK-2-40		74 inches			1
Globe (Temco) GC-1B	Continental O-300A-D, OR C-145-2, 2H	74DR-1-60	74DR-1-58	74DR-1-62	73 inches	2080-2130	72 inches	7/G
Globe GC-1B C-125-2 (ONLY)	Continental C-125-2 ONLY!	74DR-1-58	74DR-1-57	74DR-1-59	73 inches	2000-2250	71.5 inches	
Grob 115, 115A	Lycoming O-235-H2C /115	72CKS6-2-53			70 inches		70 inches	
Grob 115B	Lycoming O-320 /160	74DM6S5-2-64			72 inches		72 inches	
Grob 115C	Lycoming O-320-D1A /160	74DM7S14-2-64			72 inches		72 inches	
Grumman American AA-1, (STC Air Mods NW)	Lycoming O-320	74DM6-0-60			74 inches		72 inches	7/B
Grumman American AA-1C	Lycoming O-235-L2C/ 115 ONLY!	72CK-0-56	72CK-0-52		72 inches	2125-2475	70 inches	
Grumman American AA-5; AA-5A (STC FletchAir)	Lycoming O-320	74DM7S10-1-57B		74DM7S10-1.5-61B	73 Inches		72 Inches	1/F
Gulfstream American AA-5B (STC FletchAir)	Lycoming O-360 /180	76EM8S10-0-63	76EM8S10-0-60	76EM8S10-0-65	76 inches	2075-2350	76 inches	1/F
Gulfstream American AA-5B/ STC/Air Mods NW)	Lycoming O-360 /180	76EM8S10-0-63	76EM8S10-0-60	76EM8S10-0-65	76 inches	2075-2350	76 inches	1/B
Maule MX-7-160 Sportplane	Lycoming O-320 /160	74DM7S5-0-56	74DM7S5-0-52		74 inches	2400-2620	72 inches	
Maule MX-7-180A Sportplane	Lycoming O-360 /180	76EM8S5-0-56			76 inches	2400-2500	76 inches	
Maule MXT-7-160 Comet	Lycoming O-320 /160	74DM7S5-0-56	74DM7S5-0-52		74 inches	2400-2620	72 inches	
Maule MXT-7-180A Comet	Lycoming O-360 /180	76EM8S5-0-56			76 inches	2400-2500	76 inches	
Montana Coyote / 160	Lycoming O-320 /160	74DM6-0-56			74 inches		72 inches	
Montana Coyote / 180	Lycoming O-360 /180	76EM8-0-56			76 inches		76 inches	6
Murphy Elite (118)	Lycoming O-235-L2C	72CKS8-0-52	72CKS8-0-50		72 Inches		70 Inches	
Murphy Elite (150)	Lycoming O-320 /150	74DM()S8-0-56	74DM()S8-0-54		74 Inches		72 Inches	
Murphy Elite (160)	Lycoming O-320 /160	74DM()S8-0-58	74DM()S8-0-56		74 Inches		72 Inches	
Murphy Elite (180)	Lycoming O-360 /180	76EM8S8-0-58	76EM8S8-0-56		76 Inches		76 Inches	6
Murphy Rebel (118)	Lycoming O-235-L2C	72CKS8-0-52	72CKS8-0-50		72 Inches		70 Inches	
Murphy Rebel (150)	Lycoming O-320 /150	74DM()S8-0-56	74DM()S8-0-54		74 Inches		72 Inches	
Murphy Rebel (160)	Lycoming O-320 /160	74DM()S8-0-58	74DM()S8-0-56		74 Inches		72 Inches	
Mustang (Midget)/ 150	Lycoming O-320 /150	70CM6S9-0-77	70CM6S9-0-75	70CM6S9-0-79	70 inches	2100-2250	68 inches	8
Mustang (Midget)/ 160	Lycoming O-320 /160	70CM6S9-0-79	70CM6S9-0-77	70CM6S9-0-81	70 inches	2100-2250	68 inches	8
Mustang II/ 150	Lycoming O-320 /150	70CM6S9-0-75	70CM6S9-0-73	70CM6S9-0-78	70 inches	2100-2250	68 inches	8
Mustang II/ 160	Lycoming O-320 /160	70CM6S9-0-77	70CM6S9-0-75	70CM6S9-0-78	70 inches	2100-2250	68 inches	8
Mustang II/ 180	Lycoming O-360 /180	72FM8S9-1-81	72FM8S9-1-80	72FM8S9-1-83	71 inches	2050-2250	69 inches	6
One Design / 160	Lycoming O-320 /160	74DM6-0-62			74 inches	2300-2400	72 inches	
One Design / 180	Lycoming O-360 /180	76EM8-0-62			76 inches	2350-2450	76 inches	6
Partenavia P64B oscar-B	Lycoming O-360 /180	76EM8-0-65			76 inches		76 inches	
Partenavia P66B oscar 100	Lycoming O-235-C1B	76AM6-2-51			76 inches			
Piper J3 /C-85	Continental C-85 /85	76AK-2-42	76AK-2-38 (AG)		74 inches	1950-2550	72.5 inches	1
Piper J3A75, J4E, J5A	Continental A-75/75	74CK-2-36			72 inches	1950-2425	70 inches	1
Piper J3C65, L4, (AG)	Continental A-65 / 65	74CK-0-40			74 inches	2050-2250	72.5 inches	1

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Price chart on page 255

Piper J3C65, L4, Cub	Continental A-65 / 65	74CK-0-46	74CK-0-44		74 inches	2050-2250	72.5 inches	1	
Piper J3C65S	Continental A-65 / 65	74CK-0-40			74 inches	2050-2250	72.5 inches	1	
Piper J3C75, J4E, J5A	Continental A-75/75	74CK-2-36			72 inches	1950-2425	70 inches	1	
Piper J3L65, L4C	Lycoming O-145-B	74CK-2-36			72 inches	2225-2550	68 inches	2	
Piper J5 / 100	Lycoming O-235 /100	76AM6-2-48			74 inches	2150-2300	72 inches		
Piper J5 /C-90	Continental C-90 / 90	76AK-2-44			74 inches	2100-2250	72.5 inches	1	
Piper J5A	Continental C-75 /75	76AK-2-46			74 inches	2000-2150	72.5 inches	1	
Piper PA-11, J4A	Continental A-65	74CK-0-46	74CK-0-44		74 inches	2050-2550	72.5 inches	1	
Piper PA-11S	Continental A-65	74CK-0-42			74 inches	2100-2250	72.5 inches	1	
Piper PA-11S /100	Lycoming O-235-C /100	76AM6-2-42			74 inches	2250-2450	72.5 inches		
Piper PA-11S, PA-18S/ 90	Continental C-90	76AK-2-40			74 inches	1950-2450	72.5 inches	1	
Piper PA-12 Super Cruiser	Lycoming O-235-C /100	76AM6-2-46	76AM6-2-44		74 inches	2150-2425	72.5 inches		
Piper PA-12 Super Cruiser /108	Lycoming O-235-C1 /108	76AM6-2-48	76AM6-2-46		74 inches	2150-2500	72.5 inches		
Piper PA-12S	Lycoming O-235-C /100	76AM6-2-42			74 inches	2325-2425	72.5 inches		
Piper PA-12S /108	Lycoming O-235-C1 /108	76AM6-2-44			74 inches	2150-2500	72.5 inches		
Piper PA-14 Family Cruiser /108	Lycoming O-235-C1 /108	76AM6-2-48	76AM6-2-46	76AM6-0-50	74 inches	2400-2500	72.5 inches		
Piper PA-16 Clipper /108	Lycoming O-235-C1 /108	76AM6-2-50	76AM6-2-48	76AM6-0-52	74 inches	2150-2500	71.5 inches		
Piper PA-16S /108	Lycoming O-235-C1 /108	76AM6-2-44			74 inches	2400-2500	72.5 inches		
Piper PA-17/ Vagabond	Continental A-65	74CK-2-48	74CK-2-46		72 inches	1950-2250	70 inches	1	
Piper PA-18 125 L-21A	Lycoming O-290-D	74DM6-0-50		74DM6-0-52	74 inches	2100-2475	72.5 inches		
Piper PA-18 135	Lycoming O-290-D2	74DM6-0-52		74DM6-0-54	74 inches	2100-2475	72.5 inches		
Piper PA-18 Super Cub 150	Lycoming O-320/ 150	74DM6-0-56	74DM6-0-54	74DM6-0-58	74 inches	2350-2450	72.5 inches		
Piper PA-18, PA-18 105	Lycoming O-235-C1	76AM6-2-48		76AM6-2-50	74 inches	2100-2475	72.5 inches		
Piper PA-18/ 180 (STC Avcon Conversions)	Lycoming O-360 /180	76EM8-0-54	76EM8-0-52	76EM8-0-57	76 inches		76 inches	7/D	
Piper PA-18A Super Cub	Lycoming O-235-C1	76AM6-2-44			74 inches	2100-2475	72.5 inches		
Piper PA-18A, PA-18S 125	Lycoming O-290-D	74DM6-0-48			74 inches	2100-2475	72.5 inches		
Piper PA-18A, PA-18S 135	Lycoming O-290-D2	74DM6-0-50			74 inches	2100-2475	72.5 inches		
Piper PA-18A, PA-18S/ 150	Lycoming O-320/ 150	74DM6-0-52			74 inches	2450-2550	72.5 inches		
Piper PA-18S	Lycoming O-235-C1	76AM6-2-46			74 inches	2100-2475	72.5 inches		
Piper PA-19 (L-18C)	Continental C-90	76AK-2-42	76AK-2-40	76AK-2-44	74 inches	2200-2350	72.5 inches	1	
Piper PA-20 Pacer	Lycoming O-235-C1	76AM6-2-50	76AM6-2-48	76AM6-2-52	74 inches	2150-2500	71.5 inches		
Piper PA-20, PA-22 125	Lycoming O-290-D	74DM6-0-56	74DM6-0-54		74 inches	2150-2450	72.5 inches		
Piper PA-20, PA-22 135	Lycoming O-290-D2	74DM6-0-57	74DM6-0-55		74 inches	2150-2450	72.5 inches		
Piper PA-20S	Lycoming O-235-C1	76AM6-2-44			74 inches	2400-2500	72.5 inches		
Piper PA-20S 125	Lycoming O-290-D	74DM6-0-52			74 inches	2350-2450	72.5 inches		
Piper PA-20S, PA-22S 135	Lycoming O-290-D2	74DM6-0-52			74 inches	2350-2450	72.5 inches		
Piper PA-22 150	Lycoming O-320 /150	74DM6-0-60	74DM6-0-58		74 inches	2250-2480	72.5 inches		
Piper PA-22 160	Lycoming O-320 /160	74DM6-0-60	74DM6-0-58		74 inches	2250-2480	72 inches		
Piper PA-22 108 Colt	Lycoming O-235-C1B	76AM6-2-48		76AM6-2-50	74 inches	2200-2450	72.5 inches		
Piper PA-22S 150	Lycoming O-320 /150	74DM6-0-56			74 inches	2400-2500	72.5 inches		
Piper PA-22S 160	Lycoming O-320 /160	74DM6-0-56			74 inches	2400-2500	72 inches		
Piper PA-25 Pawnee 150	Lycoming O-320 /150	74DM6-0-52		74DM6-0-53	74 inches	2475-2675	72.5 inches		
Piper PA-28-140 / 160 (STC Ram Aircraft)	Lycoming O-320 /160	74DM6-0-60			74 inches		72.5 inches	7/I	
Piper PA-28-140 Cherokee	Lycoming O-320 /150	74DM6-0-60	74DM6-0-58		74 inches	2150-2425	72.5 inches		
Piper PA-28-140,4 Cherokee	Lycoming O-320 /150	74DM6-0-58	74DM6-0-56		74 inches	2275-2425	72.5 inches		
Piper PA-28-150 Cherokee B	Lycoming O-320 /150	74DM6-0-58	74DM6-0-56		74 inches	2275-2425	72.5 inches		
Piper PA-28-150 Cherokee C	Lycoming O-320 /150	74DM6S5-0-58	74DM6S5-0-56		74 inches	2275-2375	72.5 inches		
Piper PA-28-151 / 160 (STC Ram Aircraft)	Lycoming O-320 /160	74DM6-0-60	74DM6-0-58		74 inches		72.5 inches	7/I	
Piper PA-28-151 Warrior	Lycoming O-320 /150	74DM6-0-58			74 inches	2275-2375	72 inches		
Piper PA-28-160 Cherokee B	Lycoming O-320 /160	74DM6-0-60	74DM6-0-58		74 inches	2325-2425	72.5 inches		
Piper PA-28-160 Cherokee C	Lycoming O-320 /160	74DM6S5-0-60	74DM6S5-0-58		74 inches	2325-2425	72.5 inches		
Piper PA-28-161 Warrior II	Lycoming O-320 /160	74DM6-0-60			74 inches	2350-2450	72 inches		
Piper PA-28-180 Archer	Lycoming O-360 /180	76EM8S5-0-60	76EM8S5-0-58		76 inches	2325-2425	76 inches	6	
Piper PA-28-180 Cherokee B	Lycoming O-360 /180	76EM8-0-60	76EM8-0-58		76 inches	2275-2450	76 inches	6	
Piper PA-28-180 Cherokee C	Lycoming O-360 /180	76EM8S5-0-60	76EM8S5-0-58		76 inches	2275-2450	76 inches	6	
Piper PA-28-180 Warrior	Lycoming O-360 /180	76EM8-0-60			76 inches		76 inches	7	
Piper PA-28-181 Archer II ('78)	Lycoming O-360 /180	76EM8S5-0-62			76 inches	2275-2375	76 inches		
Piper PA-28-181 Archer II	Lycoming O-360 /180	76EM8S5-0-60			76 inches	2325-2425	76 inches		
Piper PA-28-181 Archer III ('94)	Lycoming O-360 /180	76EM8S14-0-62			76 inches	2275-2375	76 inches		
Piper PA-38 Tomahawk	Lycoming O-235/ 112	72CK-0-56			72 inches	2200-2350	70 inches		
Pitts Special S1S	Lycoming O-360 /180	76EM8-0-58	76EM8-0-56	76EM8-0-61	76 inches	2200-2450	76 inches	6	
Pitts Special S2	Lycoming O-360 /180	76EM8-0-58	76EM8-0-56	76EM8-0-61	76 inches	2200-2450	76 inches	6	
Porterfield CP-65	Continental A-65-8	74CK-0-48	74CK-0-46		74 inches	1860-2165	72 inches	1	
Porterfield LP-65	Lycoming O-145-B1(only)	74CK-2-38	74CK-2-36		72 inches	2225-2425	68 inches		

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Price chart on page 255

AIRCRAFT	ENGINE	STANDARD	CLIMB	CRUISE	DIAMETER	STATIC RPM LIMITS	MIN. DIA. FOR REPAIR	NOTES
PZL Koliber 150	Lycoming O-320 /150	74DM6-0-58			74 inches		72 inches	
Socata (Commodore) MS892A	Lycoming O-320 /150	74DM6-0-56	74DM6-0-54	74DM6-0-58	74 inches	2250-2500	72 inches	
Socata (Rallye 150GT) MS892E	Lycoming O-320 /150	74DM6-0-56	74DM6-0-54	74DM6-0-58	74 inches	2250-2500	72 inches	
Socata (Rallye 180GT) MS893E	Lycoming O-360 /180	76EM8-0-60	76EM8-0-56		76 inches	2300-2500	76 inches	6
Socata (Rallye Comm.) MS893A	Lycoming O-360 /180	76EM8-0-60	76EM8-0-56		76 inches	2300-2500	76 inches	6
Socata Rallye 150ST	Lycoming O-320 /150	74DM6-0-56			74 inches	2200-2450	72 inches	
Socata Rallye 150T	Lycoming O-320 /150	74DM6-0-56	74DM6-0-54	74DM6-0-60	74 inches	2200-2450	72 inches	
Socata TB-9 Tampico	Lycoming O-320 /160	74DM6S8-0-54		74DM6S8-0-61	74 inches		72 inches	
Steen Skybolt	Lycoming O-360 /180	76EM8-0-58	76EM8-0-56	76EM8-0-61	76 inches	2200-2450	76 inches	6
Stinson 108, -1, -2, -3	Franklin 6A4-165-B3	74DR-0-56		74DR-0-58	74 inches	2300-2500	72.5 inches	
Stinson 108-3	Franklin 6A4-165-B3	74DR-0-52			74 inches	2400-2500	72.5 inches	
Stits SA-9A	Continental O-200-A	69CK-0-48L			69 inches	2425-2525	67.5 inches	
Stoddard Hamilton Glassair I TD,FT,RG /150	Lycoming O-320 /150	70CM()S16-0-75		70CM()S16-0-77	70 inches	2100-2250	68 inches	8
Stoddard Hamilton Glassair I TD,FT,RG /160	Lycoming O-320 /160	70CM()S16-0-77		70CM()S16-0-79	70 inches	2100-2250	68 inches	8
Stoddard Hamilton Glassair I TD,FT,RG /180	Lycoming O-360 /180	72FM8S16-1-85	72FM8S16-1-83	72FM8S16-1-86	71 Inches	2200-2350	69 Inches	
Stoddard Hamilton Glassair II TD,FT,RG /150	Lycoming O-320 /150	70CM()S16-0-75		70CM()S16-0-77	70 inches	2100-2250	68 inches	8
Stoddard Hamilton Glassair II TD,FT,RG /160	Lycoming O-320 /160	70CM()S16-0-77		70CM()S16-0-79	70 inches	2100-2250	68 inches	8
Stoddard Hamilton Glassair II TD,FT,RG /180	Lycoming O-360 /180	72FM8S16-1-85	72FM8S16-1-83	72FM8S16-1-86	71 Inches	2200-2350	69 Inches	
Stoddard Hamilton Glassair IIS TD,FT,RG /150	Lycoming O-320 /150	70CM()S16-0-75		70CM()S16-0-77	70 inches	2100-2250	68 inches	8
Stoddard Hamilton Glassair IIS TD,FT,RG /160	Lycoming O-320 /160	70CM()S16-0-77		70CM()S16-0-79	70 inches	2100-2250	68 inches	8
Stoddard Hamilton Glassair IIS TD,FT,RG /180	Lycoming O-360 /180	72FM8S16-1-85	72FM8S16-1-83	72FM8S16-1-86	71 Inches	2200-2350	69 Inches	
Stoddard Hamilton GlaStar/150	Lycoming O-320 /150	74DM()S16-0-61	74DM()S16-0-60	74DM()S16-0-63	74 Inches	2100-2200	72 Inches	
Stoddard Hamilton GlaStar/160	Lycoming O-320 /160	74DM()S16-0-65	74DM()S16-0-63	74DM()S16-0-66	74 Inches	2100-2200	72 Inches	
Stoddard Hamilton GlaStar/180	Lycoming O-360 /180	76EM8S16-0-65	76EM8S16-0-63	76EM8S16-0-66	76 inches	2100-2250	76 inches	6
Taylorcraft BC12D85,BC12D485,19	Continental C-85	74CK-2-46	74CK-2-44		72 inches	2170-2350	70 inches	1
Taylorcraft BC65,BC1265,BCD12D,BC12D1	Continental A-65	74CK-0-48	74CK-0-46		74 inches	1960-2210	72.5 inches	1
Taylorcraft BCS12D85,BCS12D485,	Continental C-85	74CK-2-44			72 inches	2170-2350	70 inches	1
Taylorcraft BCS65,BCS12D,BCS12D1	Continental A-65	74CK-0-42			74 inches	2070-2210	72.5 inches	1
Taylorcraft BL65,BL1265,L2F,L2J	Lycoming O-145-B	74CK-2-38			72 inches	2250-2400	68 inches	2
Taylorcraft BLS65,BLS1265	Lycoming O-145-B	74CK-2-36			72 inches	2250-2400	68 inches	2
Taylorcraft F-21	Lycoming O-235-L2C	72CK-0-50			72 inches	2400-2500	70 inches	
Taylorcraft F-22B Ranger	Lycoming O-360-A4M /180	76EM8S5-0-56			76 inches		76 inches	
Thorpe T-18 / 150	Lycoming O-320 /150	70CM6S16-0-75	70CM6S16-0-73	70CM6S16-0-77	70 inches	2100-2250	68 inches	8
Thorpe T-18 / 160	Lycoming O-320 /160	70CM6S16-0-77	70CM6S16-0-75	70CM6S16-0-79	70 inches	2100-2250	68 inches	8
Thorpe T-18 / 180	Lycoming O-360 /180	72FM8S16-1-82	72FM8S16-1-80	72FM8S16-1-83	71 inches	2150-2300	69 inches	6
Thorpe T-211 / 100	Continental O-200	69CKS12-2-56L			67 inches		67 inches	
Thorpe T-211 / 125	Lycoming O-235 /110-125	72CKS12-2-53L			70 inches		70 inches	
Tri R (KIS) / 116	Lycoming O-235-L2C	72KKS16-2-70	72KKS16-2-68		70 inches		70 inches	
Tri R (KIS) Cruiser	Lycoming O-360 /180	76EM8S14-0-70	76EM8S14-0-68	76EM8S14-0-72	76 inches		76 inches	6
Van's Aircraft RV-3/ 150	Lycoming O-320 /150	70CM6S16-0-77	70CM6S16-0-75	70CM6S16-0-79	70 inches	2100-2250	68 inches	8
Van's Aircraft RV-3/ 160	Lycoming O-320 /160	70CM6S16-0-79	70CM6S16-0-77	70CM6S16-0-81	70 inches	2100-2250	68 inches	8
Van's Aircraft RV-4/ 150	Lycoming O-320 /150	70CM6S9-0-77	70CM6S9-0-75	70CM6S9-0-79	70 inches	2100-2250	68 inches	8
Van's Aircraft RV-4/ 160	Lycoming O-320 /160	70CM6S9-0-79	70CM6S9-0-77	70CM6S9-0-81	70 inches	2100-2250	68 inches	8
Van's Aircraft RV-6/RV-6A/ 150	Lycoming O-320 /150	70CM6S9-0-77	70CM6S9-0-75	70CM6S9-0-79	70 inches	2100-2250	68 inches	8
Van's Aircraft RV-6/RV-6A/ 160	Lycoming O-320 /160	70CM6S9-0-79	70CM6S9-0-77	70CM6S9-0-81	70 inches	2100-2250	68 inches	8
Van's Aircraft RV-6/RV-6A/ 180	Lycoming O-360 /180	72FM8S9-1-83	72FM8S9-1-81	72FM8S9-1-85	71 inches	2050-2250	69 inches	
Van's Aircraft RV-7/RV-7A/ 150	Lycoming O-320 /150	70CM6S9-0-79	70CM6S9-0-77	70CM6S9-0-81	70 inches	2100-2250	68 inches	8
Van's Aircraft RV-7/RV-7A/ 160	Lycoming O-320 /160	70CM6S9-0-81	70CM6S9-0-79	70CM6S9-0-82	70 inches	2100-2250	68 inches	8
Van's Aircraft RV-7/RV-7A/ 180	Lycoming O-360 /180	72FM8S9-1-85	72FM8S9-1-83	72FM8S9-1-86	71 inches	2050-2250	69 inches	
Van's Aircraft RV-8/RV-8A/ 150	Lycoming O-320 /150	70CM6S9-0-79	70CM6S9-0-77	70CM6S9-0-81	70 inches	2100-2250	68 inches	8
Van's Aircraft RV-8/RV-8A/ 160	Lycoming O-320 /160	70CM6S9-0-81	70CM6S9-0-79	70CM6S9-0-82	70 inches	2100-2250	68 inches	8
Van's Aircraft RV-8/RV-8A/ 180	Lycoming O-360 /180	72FM8S9-1-85	72FM8S9-1-83	72FM8S9-1-86	71 inches	2050-2250	69 inches	
Van's Aircraft RV-9A/ 118	Lycoming O-235 /118	72CKS9-0-61	72CKS9-0-60	72CKS9-0-62	72 inches		70 inches	
Van's Aircraft RV-9A/ 150	Lycoming O-320 /150	70CM6S9-0-76	70CM6S9-0-75	70CM6S9-0-78	70 inches	2100-2250	68 inches	8
Van's Aircraft RV-9A/ 160	Lycoming O-320 /160	70CM6S9-0-78	70CM6S9-0-77	70CM6S9-0-80	70 inches	2100-2250	68 inches	8
Varga 2150A Kachina	Lycoming O-320 /150	74DM6-0-61	74DM6-0-60		74 inches	2200-2400	72 inches	
Wassmer WA41 baladou	Lycoming O-360 /180	76EM8-0-64			76 inches		76 inches	6
Zenair CH-640/ 180	Lycoming O-360 /180	76EM8-0-63	76EM8-0-61	76EM8-0-65	76 inches	2100-2350	76 inches	
Zenair Zenith CH-2000 /116	Lycoming O-235 /116	72CK-0-48		72CK-0-48	72 inches		70 inches	
Zenair Zenith CH-2000A/150	Lycoming O-320 /150	74DM6S5-0-58			74 inches		72 inches	

Notes for Sensenich Metal Propellers:

When Climb/Cruise propellers are recommended, the lower pitch (climb) can be expected to offer better take-off, climb, and high-altitude performance. The higher pitch (cruise) propeller should be chosen only if take-off and climb are not critical.

1. The attaching kit for a flanged shaft will be supplied for all Continental installations unless tapered shaft installation is specified in order.
2. Specify 74CKL attaching kit when ordering for Lycoming O-145 installation.
3. 74DM6S5-0-58 propeller eligible only on Beech Model B19, S/N MB-481 to MB-616, at 2000 lb gross weight. 74DM6S5-0-54 propeller eligible on Beech Model B19 at 2150 lb gross weight. See T.C. data sheet A1CE.
4. 8.00-6 tires are required when 74DM6-0- propeller is installed on Bellanca 7GCBA. See T.C. data sheet A-759.
5. Use Cessna 0450021-1 spinner and 0450020-1 bulkhead with installation of 69CK-0-52 propeller on Cessna 150.
6. Placard required to avoid continuous operation from 2150 RPM to 2350 RPM. Applies to 76EM8 series propellers installed on Lycoming O-360 engines except O-360-A4 series with solid front main bearing journal crankshaft.
7. Supplemental Type Certificate Installations *(see notes below)*
8. Placard required to avoid operation above 2600 RPM.

* Does not supersede Aircraft Type Certificate, ADs, or Service Bulletins.

Sensenich Metal Propeller Designation System *(effective on all propellers manufactured after May 1, 1968)*

Supplemental Type Certificate Notes

A) Air Plains Services	316-326-8581
B) Air Mods N.W.	425-334-3030
C) Alphin Aircraft	301-733-7604
D) Avcon Conversions	316-782-3851
E) Del-Air	559-784-9440
F) Fletch-air	713-641-2023
G) Jim Montague	651-770-5069
H) Penn Yan Aero Service	315-536-2333
I) Ram Aircraft	254-752-8381
J) Dale Schultz	630-554-8699
K) Sensenich Propeller Co.	717-569-0435

Example of Model Designation

74 D M6 S5 -2- 60 L (KEYED EXAMPLE)

- L — Designates design change
- 60 — Blade pitch (inches) at 75% radius
- -2- — Reduction (inches) from basic diameter
- S5 — Spacer length (in ¼" units)
- M6 — Propeller hub design
- D — Blade design
- 74 — Basic propeller diameter (inches)

Key to Hub Design

C: Fits SAE ARP-502 flange
K: Fits SAE #1 flange
M6: Denotes hub drilled for SAE #2 flanged shaft with 6/16" thick attaching bolts and 5/8" diameter drive bushings
M7: Denotes hub drilled for SAE #2 flanged shaft with 7/16" thick attaching bolts and 11/16" diameter drive bushings
M8: Denotes hub drilled for SAE #2 flanged shaft with 8/16" thick attaching bolts and ¾" diameter drive bushings
R: Fits SAE #3 flange

Spacer Length is designated in ¼" units. The 74DM6S5-2-60 propeller includes a 5/4" spacer.

Sensenich STCs for Cessna

These Sensenich kits can provide increased performance and smoother operation. These conversions offer greater pitch ranges and blade tips may be reworked if damaged. Kits are shipped ready for installation. Replace that worn or damaged original equipment propeller.

Cessna 150 STC Kit

For C-150L and M models. Direct replacement for McCauley. Includes a new spinner kit, prop bolt kit, and necessary paperwork.

Combination Pitch.....S69CKS12-0-50..... **$8,214.45**
Climb Pitch.....S69CKS12-0-48..... **$8,214.45**

Cessna 152 STC Kit

Avoid the McCauley AD with this conversion. Included with the propeller is a new spinner, attaching bolts and STC paperwork.

Standard Pitch .....S72CKS6-0-56..... **$8,362.80**
High Performance Climb Pitch .....S72CKS6-0-54..... **$8,362.80**

Cross Reference List for New Model Designation

- Propeller models manufactured before May 1, 1968

NEW NUMBER	OLD NUMBER
69CK	M69CK
72CCS6	M72CCS
74CK	M74CK
74CK-2	M74CK-2
74DC	M74DC
74DM6	M74DM
74DM6S5	M74DMS
76AK-2	M76AK-2
76AM6-2	M76AM-2
76EM8	M76EMM
76EM8S5	M76EMMS

If you don't find the part you need, be sure to give us a call. We are here to help you with all of your classic aircraft needs!

Sensenich Fixed Pitch Wood Propellers Installation List for Type Certified Aircraft

Every effort has been made to list all planes and engines currently in use. If you do not find your propeller listed here, specify aircraft and engine model numbers when ordering a propeller. This list supersedes all previous lists and includes all recent design and designation changes. Be sure to check Hub Notes on last page before ordering.

Aircraft Make & Model	Engine Mfg.	Model	Horsepower	Standard Propeller	Climb Propeller	Cruise Propeller	Hub Note
Aeronca C3	Aeronca	E 113, A, B, C	36	W69A-28			6
Aeronca K	Aeronca	E 113, CB, CDB	40-45	W69A-30			6
Aeronca K C	Continental	A 40	40	W69J-28			8
Aeronca L B	Rearwin	5 DF, 5 F	85	W78R-54			33
Aeronca L C	Warner	Scarab Jr.	90	W80W			29
Aeronca K C A, 50C, 50TC	Continental	A 50	50	W76B-51	W76B-49		9
Aeronca 50 F	Franklin	4 AC 150	50	W70F-45		W70F-47	16
Aeronca L3A, B, C, E, F, J	Continental	A 65	65	W72CK-42		W72CK-44	1
Aeronca L3D	Franklin	4 AC 176	65	W72F-42		W72F-44	16
Aeronca L3G, H	Lycoming	O 145 B 2	65	W70LY-34		W70LY-36	12
Aeronca PT-23	Continental	R 670 5	220	W90LA-78			5
Aeronca 50F	Franklin	4 AC 150	50	W70F-45		W70F-47	16
Aeronca 50L, 50 LA, 50 TL	Lycoming	O 145 A 1	50	W70L-45		W70L-47	12
Aeronca 50L, 50 LA, 50 TL	Lycoming	O 145 A 2	55	W70L-47	W70L-45		12
Aeronca 60TF	Franklin	4 AC 150	60	W70F-47	W70F-45		16
Aeronca 65TC, 65TAC, O58, 65C, 65CA	Continental	A 65	65	W72CK-42		W72CK-44	1
Aeronca 50L, 50AL, 50TL (55 HP)	Lycoming	O 145 A 2	55	W70L-47	W70L-45		12
Aeronca 50L, 50AL, 50TL (50 HP)	Lycoming	O 145 A 1	50	W70L-45		W70L-47	12
Aeronca S 65 C, S 65 CA	Continental	A 65	65	W76CK-34		W76CK-36	1
Aeronca 65TL, 65TAL, 65LA, 65LB	Lycoming	O 145 B 2	65	W70LY-34		W70LY-36	12
Aeronca 65TF, 65TAF	Franklin	4 AC 176 B 2	65	W72F-42		W72F-44	16
Aeronca 7 AC, 11AC, 11ACS	Continental	A 65	65	W72CK-42		W72CK-44	1
Aeronca S7AC	Continental	A65	65	W76CK-34		W76CK-36	1
Aeronca 7BCM, 11BC	Continental	C 85	85	W72GK-46		W72GK-48	1
Aeronca 7DC, 11CC	Continental	C 85	85	W72GK-46		W72GK-48	1
Aeronca 15AC	Continental	C 145	145	W73BR-44			3
Aeronca 7EC, 7CCM	Continental	C 90	90	W72GK-48		W72GK-50	1
Bellanca 14 9 B	Rearwin	5 F, 5 G	90	W74B-58			33
Bellanca 14 12 F 3	Franklin	6 AC 264 F3	120	W74CF-57			19
Bellanca 14 13, 14 13 2	Franklin	6 A4 150 B3	150	W74RR-66			3
Bird B K	Kinner K5/100	K5	100	W90BA-49			37
Boeing PT 13 B, D, N 2 S-5	Lycoming	R 800 11	220	W98AA-66		W98AA-68	5
Boeing PT 17, A, N 2 S-3	Continental	R 670 5	220	W98AA-66		W98AA-68	5
Boeing PT 13, N2S375 Series	Lycoming	R 680 11	220-225	W98AA-66	W98AA-64	W98AA-68	5
Boeing PT 17, N3S375 Series	Continental	R 670 5	220	W98AA-66	W98AA-64	W98AA-68	5
Boeing PT 17, N2S375 Series (B HUB)	Continental	R 670 5	220	W98AB-66	W98AB-64	W98AB-68	22
Boeing PT 17, N2S375 Series (C HUB)	Continental	R 670 5	220	W98AC-66	W98AC-64	W98AC-68	11
Call A	Lycoming	O 235	100	W74FE-44		W74FE-46	14
Call A2	Lycoming	O 290	125	W76JB-48			15
Call A3	Continental	C 125	125	W76JR-48			3
Cessna C34, C37, C38, C145	Warner	Warner Super Scarab	145	W82R-81			37
Cessna C34, C37, C38, C145 (A HUB)	Warner	Warner Super Scarab	145	W82RA-81			35
Cessna C165	Warner	Warner Super Scarab	165	W82RA-81			35
Cessna T50, AT17	Jacobs	L 4 MB	225-245	W90JA-81			5
Cessna 120, 140	Continental	C 85	85	W72GK-48	W72GK-46		1
Cessna 140	Continental	C 90	90	W72GK-50			1
Cessna 170, 170A	Continental	C 145	145	W73BR-50			3

Sensenich Fixed-Pitch Wooden Propellers for Type Certified Aircraft

Please be sure to check Hub Notes before ordering. Most Sensenich propellers will need to be ordered from Sensenich. Please allow a minimum of 4-6 months for delivery.

Prices on page 255

Aircraft Make & Model	Engine Mfg.	Model	Horsepower	Standard Propeller	Climb Propeller	Cruise Propeller	Hub Note
Cessna UC-78	Jacobs	L 4 MB	225-245	W90JA-81			5
Commonwealth	Continental	C 85	85	W72GK-46			1
Culver L C A	Continental	A 75	75	W70A-52		W70A-54	9
Culver L F A	Franklin	F 3	80	W70AF-54			16
Culver L F A	Franklin	4 AC 176 D 3	80	W70AF-52			16
Culver Dart	Lambert	R 266	90	W76D57			
Culver Dart GK3	Rearwin	5 F	90	W78R-54			
Daimond DA20C1	Continental	IO-240 B	125	W69EK7-63			38
Ercoupe	Continental	C 90	90	W72GK-50			
Ercoupe 415C	Continental	A 65	65	W72CK-42		W72CK-44	1
Ercoupe 415C,415CD,415D	Continental	C 75	75	W76RK-2-46		W76RK-2-48	1
Ercoupe 415D,E,G	Continental	C 85	85	W72GK-48		W72GK-50	1
Fairchild 24J, 24 W 40, 24G, 24W9, 24 W 41	Warner	Warner Super Scaral	145	W86C-67			37
Fairchild 24 J , 24 W 40, 24G, 24W9, 24 W 41 (A HUB)	Warner	Warner Super Scarab	145	W86CA-67		W86CA-69	35
Fairchild 24 W 40, 24 W 41 (A HUB)	Warner	Warner Super Scarab	145	W86CA-67		W86CA-69	35
Fairchild 24C8F, 24H	Ranger	6 390 D 3	150	W86BS-58			37
Fairchild 24C8F, 24H (A HUB)	Ranger	6 390 D 3	150	W86BAS-58			35
Fairchild 24K, 24R9, 24R9S	Ranger	6 410 B1, B2	165	W86BS-58	W86BS-55		37
Fairchild 24C8E, 24C8C	Warner	Warner Super Scarab	145	W86C-63			37
Fairchild 24C8E, 24C8C (A HUB)	Warner	Warner Super Scarab	145	W86CA-63			35
Fairchild 24 Seaplane	Warner	Warner Super Scarab	145	W86C-63			37
Fairchild 24 Seaplane (A HUB)	Warner	Warner Super Scarab	145	W86CA-63			35
Fairchild 24C8F, 24C8D	Ranger	6 390 B, D, D 3	145	W86BS-53			37
Fairchild 24C8F, 24C8D (A HUB)	Ranger	6 390 B, D, D 3	145	W86BAS-53			35
Fairchild 24 R 40	Ranger	6 410 B 3	175	W86BS-55			37
Fairchild 24 R 40 (A HUB)	Ranger	6 410 B 3	175	W86BAS-55			35
Fairchild M 62A, PT-19	Ranger	6 440 C 3	180	W86R-61	W86R-58		35
Fairchild M 62A, PT-19 (A HUB)	Ranger	6 440 C 3	180	W86RA-61	W86RA-58		5
Fairchild M 62A 3	Ranger	6 440 C 5	200	W86R-61	W86R-58		35
Fairchild M 62 B (A HUB)	Warner	Warner Super Scarab 165	165	W86CA-69			35
Fairchild M 62 B (B HUB)	Warner	Warner Super Scarab 165	165	W86CB-69			36
Fairchild PT-23, M 62 C	Continental	W 670	220	W90LA-78			5
Fairchild PT-19A,B	Ranger	6 440 C 2	180	W86R-61			35
Fairchild PT-19A, B (A HUB)	Ranger	6 440 C 2	180	W86RA-61			5
Fairchild PT-19A, B (B HUB)	Ranger	6 440 C 2	180	W86RB-61			36
Fairchild PT-26	Ranger	6 440 C 5	200	W86R-61			35
Fairchild PT-26 (A HUB)	Ranger	6 440 C 5	200	W86RA-61			5
Fairchild PT-26 (B HUB)	Ranger	6 440 C 5	200	W86RB-61			36
Fairchild M 62A 3 (A HUB)	Ranger	6 440 C 5	200	W86RA-61	W86RA-58		5
Fairchild UC-61 (B HUB)	Warner	Warner Super Scarab 165	165	W86CB-69			36
Fairchild C 61,24W41A (A HUB)	Warner	Warner Super Scarab 165	165	W86CA-69			35
Fairchild UC-61K, 24R46A (B HUB)	Ranger	6 440 C 5	200	W86AB-54			36
Fairchild C 61 (B HUB)	Ranger	6 440 C 5	200	W86AB-54			36
Fairchild UC-61 (A HUB)	Warner	Warner Super Scarab 165	165	W86CA-69			35
Fairchild 24W46, C 61, 24W41A (B)	Warner	Warner Super Scarab 165	165	W86CB-69			36
Fairchild 24R46	Ranger	6 440 C 3	175	W86RB-60			36
Fairchild 24R46 Seaplane	Ranger	6 440 C 3	175	W86BB-55			36
Fleet 1	Warner	Warner Scarab	125	W90BA-45			37
Fleet 7, 8, 9, 10, 16B	Kinner	B 5	125	W90D-67			24
Fleet 7, 8, 9, 10, 16B (A HUB)	Kinner	B 5	125	W90DA-67			26
Fleet 2	Kinner	K 5	100	W90BA-49			37

Sensenich Fixed-Pitch Wooden Propellers for Type Certified Aircraft

Please be sure to check Hub Notes before ordering. Most Sensenich propellers will need to be ordered from Sensenich. Please allow a minimum of 4-6 months for delivery.

Prices on page 255

Aircraft Make & Model	Engine Mfg.	Model	Horsepower	Standard Propeller	Climb Propeller	Cruise Propeller	Hub Note
Fleet 80 Canuck	Continental	C 85	85	W72GK-46			1
Fleet 80 Canuck Seaplane	Continental	C 85	85	W76RK-40			1
Fleet PT-23	Continental	R 670 5	220	W90LA-78			5
Fleet PT-19A	Ranger	6 440 C 2	180	W86R-61			35
Fleet PT-19A (A HUB)	Ranger	6 440 C 2	180	W86RA-61			5
Fleet PT-19A (B HUB)	Ranger	6 440 C 2	180	W86RB-61			36
Fleet PT-23	Continental	R 670 5	220	W90LA-78			5
Fleet PT-26	Ranger	6 440 C 5	200	W86R-61			35
Fleet PT-26 (A HUB)	Ranger	6 440 C 5	200	W86RA-61			5
Fleet PT-26 (B HUB)	Ranger	6 440 C 5	200	W86RB-61			36
Funk B	Funk	E	63	W755CF-40			20
Funk B 75 L	Lycoming	GO 145 C	75	W76L-56			13
Funk B 85 C	Continental	C 85	85	W72GK-48			1
Globe Swift GC 1 B (R HUB)	Continental	C 125	125	W73BR-54			3
Globe Swift GC 1 B (G HUB)	Continental	C 125	125	W73BG-54			10
Great Lakes R755 (A HUB)	Jacobs	R-755B2M	225, 245, 275	W96JA-4-68		W90T6JA-72	5
Great Lakes R755 (B HUB)	Jacobs	R-755B2M	225, 245, 275	W96JB-4-68		W90T6JB-72	22
Grumman Widgeon G 44, G44 A	Ranger	6 440 C 5	200	W82RS-72			35
Grumman OA 14	Ranger	6 440 C 5	200	W82RS-72			35
Howard PT-23	Continental	R 670 5	220	W90LA-78			5
Interstate S 1 A	Continental	A 65	65	W72CK-44	W72CK-42		1
Interstate S 1 A 65 F	Franklin	4 AC 176 B 2	65	W72F-44	W72F-42		16
Interstate S 1 A 90 F	Franklin	4 AC 199 E 2	90	W72DF-49	W72DF-48		17
Luscombe Phantom 1	Warner	Warner Super Scarab	145	W86C-69			37
Luscombe 8 A	Continental	A 65	65	W76CK-42		W76CK-44	1
Luscombe 8 A Seaplane	Continental	A 65	65	W76CK-38		W76CK-40	1
Luscombe 8 B	Lycoming	O 145 B	65	W70LY-38			12
Luscombe 8 C, 8 D	Continental	A 75	75	W72GK-46		W72GK-48	1
Luscombe 8 E	Continental	C 85	85	W72GK-48		W72GK-50	1
Luscombe 8	Continental	A 50	50	W76B-51			9
Luscombe 8 F	Continental	C 90	90	W72GK-50			1
Luscombe 11 A	Continental	E 165	165	W80EY-80			4
McCulloch J-2	Lycoming	O 360	180	W72KZL-52	W72KZL-49		49
Meyers OTW 120	Warner	Warner Scarab	125	W90BA-45			37
Meyers OTW 145	Warner	Warner Super Scarab	145	W90BA-50	W90BA-48		35
Meyers OTW 160	Kinner	R 56	160	W92H-76			23
Mooney M-18C/C 55	Continental	A-65	65	W65CK-60	W65CK-58	W65CK-62	1
Mooney M-18L/LA	Lycoming	O 145 B	65	W66CB-54, W60MY-49			12
Monocoupe 90, 90A	Lambert	R 266	90	W76D-57			
Monocoupe 90 A F	Franklin	4 AC 199	90	W74FDS-45			17
Piper E 2	Continental	A 40	40	W69C-23		W69C-26	8
Piper J 2, J 3	Continental	A 40	40	W69C-23		W69C-25	8
Piper J 3	Continental	C 75	75	W72GK-50	W72GK-48		
J3	Continental	C 85	85	W72GK-46	W72GK-44		
Piper J 3	Continental	C 90	90	W72GK-48			
Piper J 3 C 50	Continental	A 50	50	W76B-47		W76B-49	9
Piper J 3 C 65	Continental	A 65	65	W72CK-42	W72CK-40	W72CK-44	1
Piper J 3 C 65 Duster	Continental	A 65	65	W72CK-40			1

Sensenich Fixed-Pitch Wooden Propellers for Type Certified Aircraft

Please be sure to check Hub Notes before ordering. Most Sensenich propellers will need to be ordered from Sensenich. Please allow a minimum of 4-6 months for delivery.

Prices on page 255

Aircraft Make & Model	Engine Mfg.	Model	Horsepower	Standard Propeller	Climb Propeller	Cruise Propeller	Hub Note
Piper J 3 C 75 Duster	Continental	A 75	75	W70DK-40			9
Piper J 3 Duster & Sprayer	Continental	C 85	85	W72GK-44			1
Piper J 3 C 65 S	Continental	A 65	65	W76CK-34		W76CK-36	1
Piper J 3 F 50	Franklin	4 AC 150	50	W70F-43		W70F-45	16
Piper J 3 F 60	Franklin	4 AC 171, 4 AC	150	W70F-47			16
Piper J 3 F 65	Franklin	4 AC 176 B	65	W72F-42		W72F-44	16
Piper J 3 L (50 HP)	Lycoming	O 145 A 1	50	W70L-43		W70L-45	12
Piper J 3 L (55 HP)	Lycoming	O 145 A 2	55	W70L-45		W70L-47	12
Piper J 3 L 65	Lycoming	O 145 B	65	W70LY-34		W70LY-36	12
Piper J 3 L 65 S	Lycoming	O 145 B	65	W70LY-32			12
Piper J 4	Continental	A 50	50	W76B-47		W76B-49	9
Piper J 4	Continental	C 85	85	W76RK-2-46	W76RK-2-44		
Piper J 4 A	Continental	A 65	65	W72CK-42		W72CK-44	1
Piper J 4 B	Franklin	4 AC 171	60	W70F-47			16
Piper J 4 E	Continental	A 75	75	W70DK-42	W70DK-40	W70DK-44	9
Piper J 4 F	Lycoming	O 145 B	65	W70LY-36	W70LY-34		12
Piper J 5 A	Continental	A 75	75	W70DK-40		W70DK-42	9
Piper J 5 B	Lycoming	GO 145 C	75	W78LY-52			13
Piper A E 1, J 5 C	Lycoming	O 235	100	W74FE-46	W74FE-44		14
Piper L 4, A, B, H	Continental	A 65	65	W72CK-42			1
Piper L 4C	Lycoming	O 145 B 2	65	W70LY-34			12
Piper L 4D	Franklin	4 AC 176 B 2	65	W72F-42			16
Piper L 4E, F	Continental	A 75	75	W70DK-42		W70DK-44	9
Piper L 4G	Lycoming	GO 145 C 3	75	W78LY-52			13
Piper L 14	Lycoming	O 290	125	W76JB-44			15
Piper PA-11, PA-17	Continental	A 65	65	W72CK-42	W72CK-40	W72CK-44	1
Piper PA-11, PA-18	Continental	C 90	90	W76CK-40	W76CK-38	W72GK-52	1
Piper PA-11 Seaplane (65 HP)	Continental	A 65	65	W76CK-34		W76CK-36	1
Piper PA-11 Seaplane (90 HP)	Continental	C 90	90	W76CK-36			1
Piper PA-12	Lycoming	O 235 C	100	W76RM-44	W76RM-43		2
Piper PA-12 (108 HP)	Lycoming	O 235 C 1	108	W76RM-46			2
Piper PA-12 Seaplane	Lycoming	O 235 C	100	W76RM-41			2
Piper PA-12 125 HP	Lycoming	O 290	125	W80DM-34	W80DM-32	W80DM-36	stc 01
Piper PA-12 135 HP	Lycoming	O 290 D 2	135	W80DM-36	W80DM-34	W80DM-38	stc 01
Piper PA-12 145 HP	Continental	O-300 A, B or C145	125, 165	W80DR-38	W80DM-36	W80DM-40	stc 01
Piper PA-12 150 HP	Lycoming	O 320	150	W80DM-40	W80DM-38	W80DM-42	stc 01
Piper PA-12 160 HP	Lycoming	O 320	160	W80DM-42	W80DM-40	W80DM-44	stc 01
Piper PA-14, PA-16, PA-18, PA-20	Lycoming	O 235 C 1	108	W76RM-2-46	W76RM-2-44		2
Piper PA-15	Lycoming	O 145 B	65	W70LY-36		W70LY-38	12
Piper PA-20, PA-22 125	Lycoming	O 290 D	125	W74FM-54			2
Piper PA-20, PA-22 135	Lycoming	O 290 D 2	135	W74FM-54			2
Piper PA-18, PA-18 A	Lycoming	O 290 D	125	W74FM-47	W74FM-45		2
Piper PA-18, PA-18 A (135 HP)	Lycoming	O 290 D 2	135	W74FM-49	W74FM-47		2
Piper PA-18 125 HP	Lycoming	O 290 D 2	125	W80DM-34	W80DM-32	W80DM-36	stc01, 02
Piper PA-18 135 HP	Lycoming	O 290 D 2	135	W80DM-36	W80DM-34	W80DM-38	stc01, 02
Piper PA-18 145 HP	Continental	O 300 A, B or C145	125, 165	W80DR-38	W80DM-36	W80DM-40	stc01, 02
Piper PA-18 150 HP	Lycoming	O 320	150	W80DM-40	W80DM-38	W80DM-42	stc01, 02
Piper PA-18 160 HP	Lycoming	O 320	160	W80DM-42	W80DM-40	W80DM-44	stc01, 02
Piper PA-18 180 HP	Lycoming	O 360	180	W80CM8-46	W80CM8-44	W80CM8-48	Stc 02
Porterfield 35 70	Rearwin	5 D E	70	W78R-50			33
Porterfield 35 W	Warner	Warner Scarab Jr	90	W80W			29
Porterfield C P 50, C P 55	Continental	A 50	50	W76B-49	W76B-47		9
Porterfield C P 65	Continental	A 65	65	W72CK-44	W72CK-42		1
Porterfield F P 65	Franklin	4 AC 176 B 1	65	W72F-46	W72F-44		16
Porterfield LP 65	Lycoming	O 145 B	65	W70LY-38	W70LY-36		12

Sensenich Fixed-Pitch Wooden Propellers for Type Certified Aircraft

Please be sure to check Hub Notes before ordering. Most Sensenich propellers will need to be ordered from Sensenich. Please allow a minimum of 4-6 months for delivery.

Prices on page 255

Aircraft Make & Model	Engine Mfg.	Model	Horsepower	Standard Propeller	Climb Propeller	Cruise Propeller	Hub Note
Rearwin 7000	Rearwin	5 D E	70	W78R-50			33
Rearwin 8125, 8135, 8135T	Rearwin	7 F, 7 G	120	W78R-57		W78R-59	33
Rearwin 8500, 9000 KR, 9000 L	Rearwin	5 G	85-90	W78R-50			33
Rearwin 165	Continental	A 65	65	W72CK-44	W72CK-42		1
Rearwin 175	Continental	A 75	75	W70DK-44	W70DK-42		9
Rearwin 180 F	Franklin	4 AC 176 F 3	80	W70DF-48			16
Ryan PT 22 (B HUB)	Kinner	R 56	160	W90HB-86			24
Ryan PT 22	Kinner	R 56	160	W90H-86			28
Ryan PT 22 (A HUB)	Kinner	R 56	160	W90HA-86			5A
Ryan S T A	Menaso	C 4/124	125	W80R-70			31
Ryan SCW 145 (A HUB)	Warner	Warner Super Scarab	145	W82RA-77			35
Ryan SCW 145	Warner	Warner Super Scarab	145	W82R-77			37
Ryan S T 3 K R	Kinner	R 56	160	W90H-86			28
Ryan S T 3 K R (A HUB)	Kinner	R 56	160	W90HA-86			5A
St. Louis PT-23	Continental	R 670	220	W90LA-78			5
Stinson 10, HW-75	Continental	A 75	75	W70DK-40		W70DK-42	9
Stinson 10, 105, HW-80	Continental	A 80	80	W70DK-42	W70DK-40		9
Stinson 10 A	Franklin	4 AC 199 E 2	90	W72DF-48		W72DF-49	17
Stinson L 5	Lycoming	O 435	190	W85RW-57			35
Stinson L 5	Lycoming	O 435	190	W85RB-57			36
Stinson L 9A, B	Franklin	4 AC 199 E 3	90	W72DF-48		W72DF-49	17
Stinson 108	Franklin	6A4 150 B31	150	W76JA-53			18
Stinson 108, 108-1	Franklin	6A4 150 B3	150	W76JR-53		W76JR-55	3
Stinson 108, 108-1 Seaplane	Franklin	6A4 150 B3	150	W76JR-51		W76JR-53	3
Stinson 108-2, 108-3	Franklin	6A4 165 B3	165	W76JR-53		W76JR-55	3
Stinson 108-2 Seaplane	Franklin	6A4 165 B3	165	W76JR-51		W76JR-53	3
Taylorcraft A	Continental	A 40	40	W69J-28			8
Taylorcraft BC-65, BC-12 65, L2	Continental	A 65	65	W72CK-42		W72CK-44	1
Taylorcraft BC-12D, BC-12D1	Continental	A 65	65	W72CK-42		W72CK-44	1
Taylorcraft BCS-12D, BCS-65	Continental	A 65	65	W76CK-34		W76CK-36	1
Taylorcraft BCS-1265, BCS-12D1	Continental	A 65	65	W76CK-34		W76CK-36	1
Taylorcraft BF	Franklin	4 AC 150	50	W70F-45	W70F-43		16
Taylorcraft BF-65, BF-1265	Franklin	4 AC 176 B 2	65	W72F-42		W72F-44	16
Taylorcraft BF-65, BF-1265, DL-65	Lycoming	O 145 B	65	W70LY-36	W70LY-34	W70LY-38	12
Taylorcraft DC-65, DCO-65	Continental	A 65	65	W72CK-42		W72CK-44	1
Taylorcraft DF-65	Franklin	4 AC 176	65	W72F-42		W72F-44	16
Taylorcraft BC12D85, BC12D485	Continental	C 85	85-90	W72GK-48		W72GK-50	1
Taylorcraft L2A, B, H, M	Continental	A 65	65	W72CK-42		W72CK-44	1
Taylorcraft L2D, F, J	Lycoming	O 145 B 2	65	W70LY-36	W70LY-34	W70LY-38	12
Taylorcraft L2E, K	Franklin	4 AC 176 B 2	65	W72F-42		W72F-44	16
Taylorcraft L2G, L	Franklin	4 AC 150	50	W70F-45	W70F-43		16
Taylorcraft 19	Continental	C 85	85-90	W72GK-46		W72GK-48	1
Waco RNF, RBA	Warner Scarab	Warner Scarab	125	W90BA-45			37
Waco UKC, UIC, UBA, UEC	Continental	R 670 A	210	W100CC-65			11
Waco YPT-14, UPF-7, UIC	Continental	W 670 BA	225	W98C-70	W98AC-68		11
Waco YMF, YQC, YOC, YKS, YKC	Jacobs	L 4	225	W100CD-67			23
Waco QCK, QDC, QSO	Continental	A 70, A70 2	165	W100CC-58			11
Waco YMF5 (A HUB)	Jacobs	R-755B2M	225, 245, 275	W96JA-4-68		W90T6JA-72	5
Waco YMF5 (B HUB)	Jacobs	R-755B2M	225, 245, 275	W96JB-4-68		W90T6JB-72	22
Waco YMF5FC (A HUB)	Jacobs	R-755B2M	225, 245, 275	W96JA-4-68			5
Waco YMF5FC (B HUB)	Jacobs	R-755B2M	225, 245, 275	W96JB-4-68			22

Hub Notes

Hub Note	Manufacturer	Type	Hub Model	Hub Thickness in Inches	Bore	Circle Dia.	Bolt No.	Dia. Of Bolt Holes
1	Engine Manufacturer	Integral Flange	SAE #1 Flange (Taper use A437 Bushings)	3.375	2.255	4.375	6.000	0.375
2	Engine Manufacturer	Integral Flange	SAE #2 Flange	3.500	2.255	4.750	6.000	0.375
3	Engine Manufacturer	Integral Flange	SAE #3 Flange	4.000	2.255	5.250	8.000	0.375
4	Engine Manufacturer	Integral Flange	SAE #4 Flange	5.000	2.255	6.000	8.000	0.438
5	Air Force	SAE 20 Spline	44G2325-9	6.000	3.880	7.000	8.000	0.438
5A	Air Force	SAE 20 Spline	44G2325-6	5.250	3.880	7.000	8.000	0.438
6	Aeronca	Taper	805	2.500	1.755	5.000	6.000	0.375
8	Continental	SAE No. 0 Taper	A3482	3.250	2.255	4.000	6.000	0.375
9	Continental	SAE No. 0 Taper	A3746	3.375	2.255	4.375	6.000	0.375
10	Continental	SAE 10 Spline	A40611	4.000	2.755	5.250	8.000	0.375
11	Continental	SAE 20 Spline	A4064	6.000	3.151	6.693	8.000	0.500
12	Lycoming	Integral Flange		3.250	1.875	4.375	6.000	0.375
13	Lycoming	Integral Flange		3.500	1.875	4.750	6.000	0.375
14	Lycoming	Integral Flange		4.000	2.192	4.750	6.000	0.375
15	Lycoming	Integral Flange		4.000	2.192	5.250	8.000	0.375
16	Franklin	Integral Flange		3.250	2.005	4.000	6.000	0.375
17	Franklin	Integral Flange		4.000	2.005	4.000	6.000	0.375
18	Franklin	Integral Flange		4.000	2.005	5.000	8.000	0.375
19	Franklin	Integral Flange		4.000	2.005	5.000	8.000	0.438
20	Funk	Taper		4.000	2.380	4.688	6.000	0.375
22	Jacobs	SAE 20 Spline	90205	6.000	3.817	6.693	8.000	0.658
23	Jacobs	SAE 20 Spline		6.000	3.443	6.693	8.000	0.500
24	Kinner	SAE No. 1 Taper	610	4.000	2.692	5.250	8.000	0.375
26	Kinner	SAE 10 Spline	1475	4.000	3.255	5.250	8.000	0.375
27	Kinner	SAE 10 Spline	1475	4.000	3.255	5.250	8.000	0.438
28	Kinner	SAE 20 Spline	1609, 42K14179	4.000	4.130	6.250	8.000	0.438
29	Menasco	Taper Shaft	2016A	4.000	2.692	5.250	8.000	0.375
31	Menasco	(Propeller Model W80R)		4.375	2.949	5.250	8.000	0.375
33	Rearwin	Leblond No. 1 Taper	5057	4.000	2.692	4.625	6.000	0.438
35	Warner	SAE 20 Spline	7900, 8350, 8599	4.125	3.255	5.250	8.000	0.375
36	Warner	SAE 20 Spline	8808, 43D24385	4.125	3.255	6.188	6.000	0.375
37		SAE No. 1 Taper	OX5	4.000	2.692	5.250	8.000	0.375
38	Special	Flange Adapter	SAE #1 Flange with 7/16" bolts	3.190	2.255	4.375	6.000	0.438
39	Special	Flange Adapter	SAE #6	3.630	2.255	4.750	6.000	0.500

Supplemental Type Certificate Notes:

STC 01	Piper	PA-12/PA-18	Aircraft Restoration Supplies Belle Plaine, MN (612) 873-6659
STC 02	Piper	PA-18	Cubcrafters Yakima, WA (509) 248-9591

Wood Propeller Bolt Application • Continental C Series

SAE #1 Drilling Flanged Crankshaft • 3.375" hub thickness • Using U3991 front plate	Bolt Washer	6 each 6 each	AN6H37A NAS1149F0663P*	**$9.80** **$0.11**
SAE #1 Drilling Tapered Crankshaft • Using SAE #1 hub assembly	Bolt Washer	6 each 6 each	AN6-40 NAS1149F0663P*	**$4.11** **$0.11**
SAE #2 Drilling Flanged Crankshaft • 3.5" hub thickness • Using U3991 front plate	Bolt Washer	6 each 6 each	AN6H41A NAS1149F0663P*	**$14.80** **$0.11**

* Supersedes part number AN960-616

Sensenich Propeller Prices

Note that Univair does not stock all of the propellers listed below. Non-stocked propellers require 4-6 months for delivery. If you wish to know the availability of a propeller before purchasing, please call us during regular business hours at 1-888-433-5433.

69CK-0-52 ..... **$7,603.80**
69CKS12-0-50 ..... **$7,677.40**
69CKS12-0-52 ..... **$7,677.40**
72CK-0-44 ..... **$7,728.00**
72CK-0-50 ..... **$7,728.00**
72CK-0-56 ..... **$7,728.00**
72CKS6-0-52 ..... **$7,824.60**
72CKS6-0-54 ..... **$7,824.60**
72CKS6-0-56 ..... **$7,824.60**
72CKS8-0-52 ..... **$7,958.00**
74AM6-2-52 ..... **$6,591.77**
74CK-0-36 ..... **$5,884.50**
74CK-0-40 ..... **$5,884.50**
74CK-0-42 ..... **$5,884.50**
74CK-0-44 ..... **$5,884.50**
74CK-0-46 ..... **$5,884.50**
74CK-0-48 ..... **$5,884.50**
74CK-2-36 ..... **$5,884.50**
74CK-2-40 ..... **$5,884.50**
74CK-2-42 ..... **$5,884.50**
74CK-2-44 ..... **$5,884.50**
74CK-2-46 ..... **$5,884.50**
74CK-2-48 ..... **$5,884.50**
74DC-0-56 ..... **$8,960.80**
74DM6-0-45 ..... **$8,155.80**
74DM6-0-48 ..... **$8,155.80**
74DM6-0-50 ..... **$8,155.80**
74DM6-0-52 ..... **$8,155.80**
74DM6-0-54 ..... **$8,155.80**
74DM6-0-56 ..... **$8,155.80**
74DM6-0-57 ..... **$8,155.80**
74DM6-0-58 ..... **$8,155.80**
74DM6-0-60 ..... **$8,155.80**
74DM6-0-61 ..... **$8,155.80**
74DM6S5-0-56 ..... **$8,234.00**
74DM6S5-0-58 ..... **$8,234.00**
74DM6S5-0-60 ..... **$8,234.00**
74DM6S8-1-52 ..... **$8,266.20**
74DM6S8-1-56 ..... **$8,266.20**
74DM6S8-1-58 ..... **$8,266.20**
74DM7-0-60 ..... **$8,155.80**
74DM7-S14-58 ..... **$8,330.60**
74DM7-S14-60 ..... **$8,330.60**
74DR-0-56 ..... **$8,960.80**
76AK-2-40 ..... **CALL**
76AK-2-42 ..... **CALL**
76AK-2-44 ..... **CALL**
76AK-2-46 ..... **CALL**
76AK-2-48 ..... **CALL**
76AM-2-52 ..... **$6,483.26**
76AM6-2-44 ..... **$5,800.50**
76AM6-2-48 ..... **$5,880.50**
76AM6-2-50 ..... **$5,880.50**
76AM6-2-52 ..... **$6,217.81**
76EM8-0-52 ..... **$8,201.80**
76EM8-0-54 ..... **$8,201.80**
76EM8-0-57 ..... **$8,201.80**
76EM8-0-58 ..... **$8,201.80**
76EM8-0-60 ..... **$8,201.80**
76EM8S5-0-52 ..... **$8,330.60**
76EM8S5-0-54 ..... **$8,330.60**
76EM8S5-0-56 ..... **$8,330.60**
76EM8S5-0-57 ..... **$8,330.60**
76EM8S5-0-58 ..... **$8,330.60**
76EM8S5-0-60 ..... **$8,692.00**
76EM8S5-0-62 ..... **$8,330.60**
76AM6-2-48 ..... **$5,880.50**
M76AM-2-50 ..... **$3,187.23**
M76AM-2-50R **$3,750.88**
M76AM-2-52 ..... **$3,659.41**
M76AM-2-52R **$3,187.23**
M76AM-2-52S **$3,187.23**
S69CKS12-0-48 ..... **$8,214.45**
S69CKS12-0-50 ..... **$8,214.45**
S72CKS6-0-54 ..... **$8,362.80**
S72CKS6-0-56 ..... **$8,362.80**
W70DK-40 ..... **$3,995.00**
W70DK-42 ..... **$3,995.00**
W70LY-34 ..... **$3,995.00**
W70LY-36 ..... **$3,995.00**
W72CK42 ..... **$3,995.00**
W72CK42-SB **$4,030.00**
W72CK44 ..... **$3,995.00**
W72CK46 ..... **$3,995.00**
W72F44 ..... **$3,995.00**
W72GK44 ..... **$3,995.00**
W72GK44-SB **$4,030.00**
W72GK46 ..... **$3,995.00**
W72GK48 ..... **$3,995.00**
W72GK50 ..... **$3,995.00**
W72GK50-CUB **$4,030.00**
W72GK50-SB **$4,030.00**
W72GK52 ..... **$3,995.00**
W74FK45 ..... **$4,570.00**
W74FM47 ..... **$4,570.00**
W74FM49 ..... **$4,570.00**
W74FM54 ..... **$4,570.00**
W76CK42 ..... **$4,130.00**
W76CK44 ..... **$4,130.00**
W76JR-53 ..... **$5,395.00**
W85RW-4-59 ..... **$6,105.00**

Sensenich Bolt Kits

Propeller Model #	Type Certificate	Propeller Weight (in lbs)	Kit Weight	Bolt Kit Part #	Price
69CK-0-	904	24.0	¾ lb	69CK	**$210.00**
69CKS12-0-	904	34.4	2¼ lbs	69CKS12	**CALL**
70CM6S16-0-	P28NE	38.75	2¼ lbs	70CM6S16	**CALL**
70CM7S16-0-	P28NE	38.75	2¼ lbs	70CM7S16	**CALL**
72CK-0-	904	24.8	¾ lb	72CK	**CALL**
72CKS6-0-	904	28.4	1 lb	72CKS6	**CALL**
72CKS8-0-	904	27.9	1¼ lbs	72CKS8	**CALL**
72CKS12-0-	904	41.0	2½ lbs	72CKS12	**CALL**
74CK-0-	1P2	21.0	¾ lb	74CK (Flanged)	**$255.00**
			1 lb	74CKT (Tapered)	**$340.00**
74CK-2-	1P2	21.0	¾ lb	74CK (Flanged)	**$255.00**
			1 lb	74CKT (Tapered)	**$340.00**
			1 lb	74CKL (Lycoming O-145)	**$315.00**
74DC-0-	886	31.1	2 lbs	74DC	**$315.00**
74DM6-0-	886	32.4	1 lb	U74DM6K	**$318.78**
74DM6S5-0-	886	35.4	1 lb	74DM6S5	**$275.00**
74DM6S8-1-	886	36.6	1 lb	74DM6S8	**$295.00**
74DM7S14-0-	886	38.4	2¾ lbs	74DM7S14	**CALL**
76AK-2-	1P2	24.0	¾ lb	76AK (Flanged)	**$255.00**
			1 lb	76AKT (Tapered)	**$340.00**
76AM6-2-	1P2	24.0	¾ lb	76AM6	**$330.24**
76EM8-0-	P4EA	34.5	1¾ lbs	76EM8	**$315.00**
76EM8S5-0-	P4EA	37.5	2 lbs	76EM8S5	**$330.00**
76EM8S10-0-	P4EA	40.0	2¼ lbs	76EM8S10	**CALL**
76EM8S14-0-	P4EA	42.9	2¾ lbs	76EM8S14	**CALL**

RAW MATERIALS

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Acrylic Sheets

Acrylic Plastic Sheets

Acrylic sheets have outstanding weathering characteristics and physical/color stability. Widely used in aircraft for windows and windshield material. Covered on both sides for added protection.

Priced per square foot. Sold in full 4 x 6 foot sheets only (24 sq ft).

Thickness	Color	Part #	Price/Sq Ft
.060″	Clear	.060-CLR	**$7.30**
.060″	Green	.060-EZI	**$5.85**
.060″	Blue	.060-BLU	**$7.04**
.080″	Clear	.080-CLR	**$5.82**
.100″	Clear	.100-CLR	**$4.44**
.125″	Clear	.125-CLR	**$6.59**
.125″	Green	.125-EZI	**$6.60**
.125″	Smoke	125-SMOKE	**$6.26**

Opaque Bright White Acrylic Sheet

These .052″ thick nitrate plastic sheets have many uses, such as inspection rings or plates, drain grommets, etc. Every shop should have a supply for everyday use.

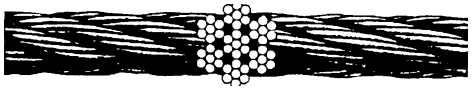
Priced per square foot. Sold in full 25″ x 50″ sheets only (8.68 sq ft).

Per Square Foot	DR-101	**$4.46**

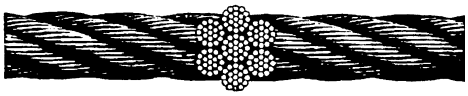
Cable & Cable Hardware

Flexible Control Cable

- All flexible control cable is priced per foot
- Common cable hardware can be found on our website



7 x 7 Flexible Control Cable has seven strands of seven wires each. Used for control purposes where extreme flexibility is not required, but where abrasion control is a factor. Made to specifications MIL-W-1511 (galvanized) and MIL-C-5424 (stainless).



7 x 19 Extra Flexible Control Cable has seven strands of 19 wires each. Its greater metallic area makes it stronger than 7 x 7 cable. Because of its fine wires, the best service is obtained with 7 x 19 wire where abrasion is not too severe. These same fine wires, however, make it most flexible to meet severe bending. Made to specifications MIL-W-1511A (galvanized) and MIL-C-5424 (stainless).

Diameter in Inches	Const.	Breaking Strength in Pounds	Weight per 100 feet	Part #	Price/Ft
Galvanized					
1/16″	7 x 7	480	.75	1/16-7X7G	**$0.50**
3/32″	7 x 19	1000	1.74	3/32-7X19G	**$2.42**
1/8″	7 x 19	2000	2.90	1/8-7X19G	**$3.02**
Stainless					
1/16″	7 x 7	480	.75	1/16-7X7S	**$0.58**
3/32″	7 x 19	920	1.74	3/32-7X19S	**$2.00**
1/8″	7 x 19	1760	2.90	1/8-7X19S	**$4.07**

NOTES

Swageable Ball and Shank Terminals

Made of corrosion resistant steel. When properly swaged to the cable, these terminals will maintain the minimum rated breaking strength of that cable. (See control cable for ratings.)

Double Shank

Single Shank

Part #	Cable Diameter	Hole Size	Price
Ball and Double Shank			
AN663C2	1/16″	0.073″	**$0.40**
AN663C3	3/32″	0.104″	**$0.62**
MS20663C4 (AN663C4)	1/8″	0.139″	**$2.64**
Ball and Single Shank			
MS20664C2	1/16″	0.073″	**$1.14**
MS20664C3	3/32″	0.104″	**$1.64**
MS20664C4	1/8″	0.139″	**$2.42**
MS20664C5	5/32″	0.169″	**$1.54**
AN664C6	3/16″	0.201″	**$2.69**

Cable Terminals – Fork Ends and Eye Ends

Fork End

Eye End

Part #	Cable Diameter	Hole Size	Price
Fork End			
MS20667-2 (AN667-2)	1/16″	0.190″	**$10.90**
AN667-3	3/32″	0.190″	**$2.82**
MS20667-4 (AN667-4)	1/8″	0.190″	**$22.62**
MS20667-5 (AN667-5)	5/32″	0.250″	**$24.38**
MS20667-6 (AN667-6)	3/16″	0.313″	**$28.94**
Eye End			
MS20668-2 (AN668-2)	1/16″	0.190″	**$4.84**
MS20668-3 (AN668-3)	3/32″	0.190″	**$6.66**
MS20668-4 (AN668-4)	1/8″	0.190″	**$7.94**
MS20668-5 (AN668-5)	5/32″	0.250″	**$15.88**
AN668-6	3/16″	0.313″	**$77.06**

We Accept: VISA MasterCard DISCOVER PayPal

Order online or by phone.

If you don't find the part you need, be sure to give us a call. We are here to help you with all of your classic aircraft needs!

Slotted Stud Terminals

- Slotted for use with safety clips rather than safety wire
- Dimensions in inches

	Part # Right Hand	Part # Left Hand	Size and Thread	Cable Diameter	Breaking Strength
Short End	MS21260S2R **$6.90**	MS21260S2L **$7.86**	6-40	1/16″	480 lbs
Short End	MS21260S3R **$6.70**	AN669S3L **$6.74**	10-32	3/32″	920 lbs
Short End	MS21260S4R (AN669S4R) **$10.97**	MS21260S4L (AN669S4L) **$10.25**	1/4-28	1/8″	2,000 lbs
Long End	MS21260L2R (AN669L2R) **$8.26**	MS21260L2L (AN669L2L) **$8.26**	6-40	1/16″	480 lbs
Long End	AN669L3R **$10.79**	AN669L3L **$10.79**	10-32	3/32″	920 lbs
Long End	MS21260L4R **$11.22**	MS21260L4L **$11.22**	1/4-28	1/8″	2,000 lbs

Nicopress Cable Sleeves

Oval shaped copper sleeves used in making eye or lap splices in flexible cable. Sleeves are slipped over the two strands of cable to be fastened and are then compressed with special Nicopress hand squeezers. Provides a bond that is even stronger than a standard splice. Sleeves are available in a range of sizes for use with the most popular cable diameters.

Plain Copper sleeves are the most popular, and are carried in stock in a range of sizes for use with the most popular cable diameters.

For Cable Diameter	Part #	Price
1/16″	18-1-C	**$0.16**
3/32″	18-2-G	**$0.18**
1/8″	18-3-M	**$0.72**
5/32″	18-4-P	**$1.13**
3/16″	18-6-X	**$1.50**

Zinc Plated Copper sleeves are also available, at a slightly higher cost. For use with stainless steel cables.

For Cable Diameter	Part #	Price
1/16″	28-1-C	**$0.18**
3/32″	28-2-G	**$0.51**
1/8″	28-3-M	**$0.74**
5/32″	28-4-P	**$1.58**

Cable Strap Terminals

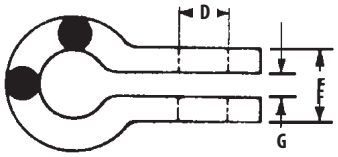
Cable Size	Type	Part #	Price
1/16"	Eye End	SA361-2	**$6.76**
3/32"	Eye End	BM2482-3	**$8.58**
1/8"	Eye End	BM2482-4	**$10.66**
1/16"	Fork End	BM2500-2	**$4.70**
3/32"	Fork End	BM2500-3	**$4.94**
1/8"	Forn End	BM2500-4	**$7.60**

Eye

Fork

Cable Shackles

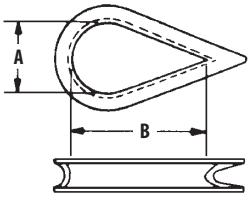
- AN115 shackles listed below are cadmium-plated steel
- Dimensions in inches



Shackle	D	F	G	Thimble	Clevis Pin
AN115-16 **$22.50**	3/16"	5/16"	5/32"	AN100-4 **$0.34**	MS20392-2C11 **$1.10**
AN115-21 **$22.36**	3/16"	5/16"	5/32"	AN100-4 **$0.34**	MS20392-2C11 **$1.10**
AN115-32 **$34.02**	1/4"	7/16"	13/64"	AN100-5 **$0.54**	MS20392-3C15 **$0.58**
MS20115F6 **$68.06**	5/16"	17/32"	17/64"	AN100-6 **$1.58**	MS20392-3C17 **$0.44**
AN115-80 **$49.25**	7/16"	23/32"	11/32"	–	–
AN115-125 **$24.48**	3/8"	9/16"	17/64"	–	–

Cable Thimbles

Available in cadmium-plated steel (CPS) and stainless steel (SS), thimbles are made in conformance with government procurement specification MIL-T-5677 and standard drawing AN100.



- Dimensions in inches

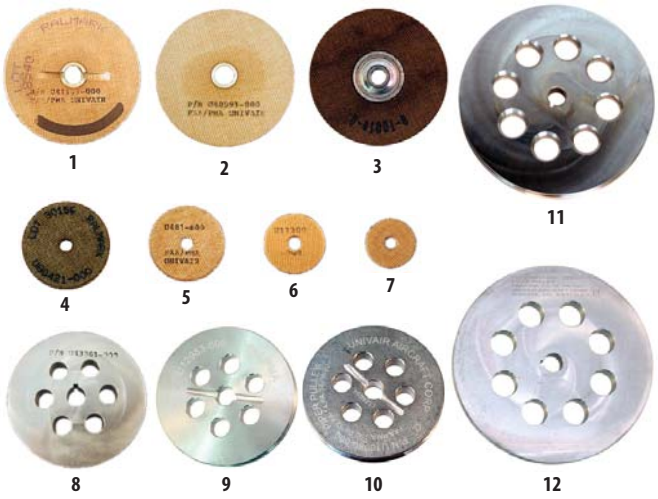
Fits Cable Size	Material	A	B	Part #	Price
1/16" – 5/64"	CPS	11/32"	45/64"	AN100-3	**$0.40**
1/16" – 5/64"	SS	11/32"	45/64"	AN100C3	**$0.46**
3/32" – 7/64" – 1/8"	CPS	11/32"	45/64"	AN100-4	**$0.34**
3/32" – 7/64" – 1/8"	SS	11/32"	45/64"	AN100C4	**$0.56**
5/32"	CPS	13/32"	51/64"	AN100-5	**$0.54**
5/32"	SS	13/32"	51/64"	AN100C5	**$0.54**
3/16"	CPS	1/2"	1"	AN100-6	**$1.58**
7/32"	CPS	39/64"	1 13/64"	AN100-7	**$1.59**
1/4"	CPS	54/64"	1 13/32"	AN100-8	**$0.36**

MS Series Phenolic Pulleys

Old Part #	Current Part #	Outside Diameter	Price
AN219-2	MS20219-2	1 3/4"	**$54.22**
AN219-4	MS20219-4	2 5/8"	**$65.74**
AN220-1	MS20220-1	1 3/4"	**$56.52**
AN220-2	MS20220-2	3"	**$67.78**
AN220-3	MS20220-3	4 1/4"	**$64.89**
AN220-4	MS20220-4	5 1/2"	**$113.38**
AN210-1A	MS24566-1B	1 1/4"	**$48.22**
AN210-2A	MS24566-2B	2 1/2"	**$48.88**
AN210-3A	MS24566-3B	2"	**$40.94**
AN210-4A	MS24566-4B	3 1/2"	**$58.40**
AN210-5A	MS24566-5B	5"	**$143.04**

Piper Pulleys

FAA-PMA APPROVED



Description	O.D.	I.D.	Part #	Price
1) Pulley (Fiber)	2 3/4"	3/8"	U41171-000	**$91.20**
2) Pulley, No Slot (Fiber)	2 3/4"	3/8"	U40991-000	**$20.19**
3) Pulley (Fiber)	2 3/4"	5/16"	U41001-008	**$77.99**
4) Pulley (Fiber)	1 3/4"	1/4"	U80421-000	**$13.64**
5) Pulley (Fiber)	1 1/2"	1/4"	U481-609	**$13.13**
6) Pulley (Fiber)	1 1/8"	1/4"	U11200-000	**$18.34**
7) Pulley (Fiber)	1"	1/4"	U43001-000	**$20.04**
8) Pulley (Aluminum)	2 3/4"	3/8"	U43061-000	**$132.70**
9) Pulley (Aluminum)	2 3/4"	3/8"	U12983-000	**$76.27**
10) Pulley (Aluminum)	2 3/4"	3/8"	U10080-000	**$175.78**
11) Pulley (Aluminum)	4"	3/8"	U11008-000	**$206.07**
12) Pulley (Aluminum)	4"	3/8"	U12982-000	**$155.10**

Bushings for Pulleys # 3, 4, 5, 6

Part #	O.D.	I.D.	Length	Price
U80012-003	1/4"	3/16"	5/16"	**$6.56**
U80012-004	1/4"	3/16"	3/8"	**$9.79**
U86102-092	1/4"	3/16"	3/4"	**$14.62**

Felt Strips

- Ideal for sealing or chafe protection
- Priced per length

Dimensions	Part #	Price
1/16" x 1½" x 120"	FELT-1/16X1.5	**$9.81**
⅛" x 1½" x 72"	FELT-1/8	**$10.38**
¼" x 1½" x 72"	FELT-1/4	**$12.14**
½" x 2" x 72"	FELT-1/2X2	**$23.79**
½" x 3" x 72"	FELT-1/2X3	**$30.56**
⅜" x 1½" x 72"	FELT-3/8	**$16.28**

Hoses • Ducts

Aeroquip Hoses

- All Aeroquip hoses are priced and sold by the inch

Aeroquip 303 Hoses

- Synthetic rubber tube, textile inner braid, single wire braid reinforcement and black textile braid cover

Inside Diameter	Part #	Price/Inch
¼"	303-4	**$1.51**
⅜"	303-6	**$1.78**
5/16"	303-5	**$1.65**
½"	303-8	**$1.73**
⅝"	303-10	**$1.60**

Aeroquip 306 Hoses

- Seamless synthetic rubber tube, single cotton braid reinforcement, synthetic rubber outer cover

Inside Diameter	Part #	Price/Inch
⅛"	306-2	**$1.38**
¼"	306-4	**$0.52**
⅜"	306-6	**$0.94**
½"	306-8	**$1.24**
⅝"	306-10	**$1.43**

Aeroquip Braided Hoses

- Synthetic rubber tube, textile braid reinforcement, synthetic rubber cover

Inside Diameter	Part #	Price/Inch
¼"	2556-04	**$10.91**
3/16"	2651-04	**$19.34**

Aeroquip Engine and Air Brake Hoses

- Elastomer tube, polyester inner braid and a single wire braid reinforcement, black polyester textile braided cover

Inside Diameter	Part #	Price/Inch
5/16"	FC350-6	**$10.39**
13/32"	FC350-8	**$10.20**

Flexible Aluminum Ducting

- Priced and sold by the foot
- Cut to length

Diameter	Part #	Price/Ft
1"	AD1	**$3.63**
1½"	AD1.5	**$9.73**

MIL-H-6000 Hose

- Priced and sold by the foot

Inside Diameter	Part #	Price/Ft
¼"	MIL6000-4	**$9.54**
5/16"	MIL6000-5	**$10.29**
⅜"	MIL6000-6	**$10.66**
½"	MIL6000-8	**$10.80**
⅝"	MIL6000-10	**$12.37**
¾"	MIL6000-12	**$14.49**
1"	MIL6000-16	**$16.22**
1¼"	MIL6000-20	**CALL**

Aeroduct Wire-Supported Duct

Only Aeroduct is standard original equipment on most new civilian aircraft and is the best replacement duct available for older aircraft.

- Flexible
- Easy to install
- Plain cut ends only
- Priced and sold by the foot

CAT (-65°F to +350°F) • Neoprene • Max 10 ft length

- Support: Copper coated or bronze plated, spring steel wire helix
- Cover: 1-ply fiberglass fabric, impregnated and coated with black neoprene rubber
- Cord: Fiberglass cord impregnated with neoprene rubber

Inside Diameter	Part #	Price/Ft
1"	CAT4	**$9.10**
1¼"	CAT5	**$9.24**
1½"	CAT6	**$9.31**
1¾"	CAT7	**$9.71**
2"	CAT8	**$9.92**
2¼"	CAT9	**$10.31**
2½"	CAT10	**$11.52**

3″	CAT12	**$13.58**
3½″	CAT14	**$15.87**
4″	CAT16	**$16.92**

CEET • Neoprene • Max 10 ft length

- Same specifications as CAT except with 2-ply cover and lining

Inside Diameter	Part #	Price/Ft
1″	CEET4	**$11.67**
1¼″	CEET5	**$11.76**
1½″	CEET6	**$11.83**
1¾″	CEET7	**$11.94**
2″	CEET8	**$12.22**
2½″	CEET10	**$13.58**
3″	CEET12	**$15.82**
3½″	CEET14	**$17.47**

SCAT (-80°F to +600°F) • Silicone • Max 11 ft length

- Support: Copper coated or bronze plated, spring steel wire helix
- Cover: 1-ply woven fiberglass fabric, impregnated with red silicone rubber
- Cord: Fiberglass cord coated with silicone

Inside Diameter	Part #	Price/Ft
1″	SCAT4	**$11.18**
1¼″	SCAT5	**$12.34**
1½″	SCAT6	**$13.49**
1¾″	SCAT7	**$14.58**
2″	SCAT8	**$15.56**
2¼″	SCAT9	**$17.50**
2½″	SCAT10	**$18.83**
3″	SCAT12	**$21.61**
3½″	SCAT14	**$24.76**
4″	SCAT16	**$27.55**

SCEET • Silicone • Max 11 ft length

- Same specifications as SCAT except with 2-ply cover and lining

Inside Diameter	Part #	Price/Ft
1¼″	SCEET5	**$18.83**
1½″	SCEET6	**$20.93**
2″	SCEET8	**$24.92**
2½″	SCEET10	**$29.38**

Miscellaneous Supplies

Description	Part #	Price
Sandpaper, 120 grit	120W&D	**$0.47**
Sandpaper, 180 grit	180ADALOX	**$0.38**
Sandpaper, 320 grit	180W&D	**$0.47**
Sandpaper, 400 grit	320W&D	**$0.47**
Sandpaper	400W&D	**$0.47**
Cork Strip, ⅜″ x 36″	CORK-3/8X1	**$36.02**
Reinforcement Cowl Seal	LEISR3	**$93.45**

Fabric Loom Wrap – priced and sold by the foot

⅛″ inside diameter	LOOM-1/8	**$2.00**
¼″ inside diameter	LOOM-1/4	**$0.85**
⅜″ inside diameter	LOOM-3/8	**$1.83**
½″ inside diameter	LOOM-1/2	**$3.77**

Mouldings and Channels

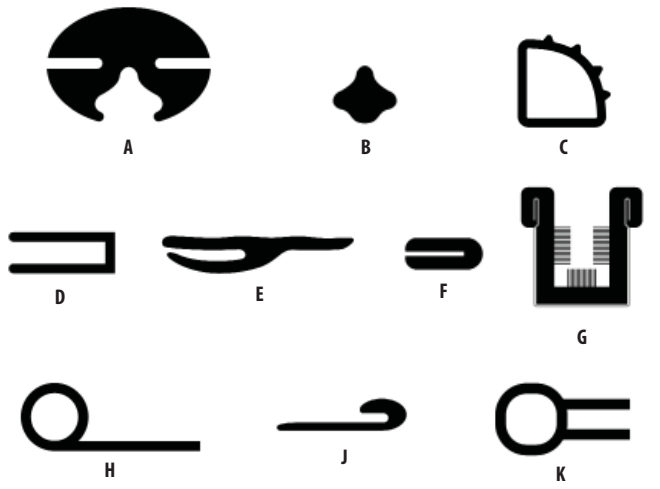


Figure	Description	Length in Inches	Part Number	Price Per Length
A	Stinson, Swift and Ercoupe Rear Window Seal	72″	34465-R	**$113.77**
B	Stinson, Swift and Ercoupe Filler Strip	72″	33197-R	**$39.95**
C	Cessna, Stinson Door Seals	12″	S2249-2	**$0.73**
D	Ercoupe Window Seals	54.25″ 64″ 49″ 1 13/16″	F31131-1 F31131-2 F31131-3 F31131-4	**$38.18** **$47.55** **$33.92** **$14.93**
E	Ercoupe Windshield Seal	65″ 10 ft	415-31130 415-31130-10	**$39.24** **$52.20**
F	Rubber Channel for Fairings, Fillets and Cuffs	12″	S202-RB	**$1.29**
G	Sliding Glass Window Channel	72″	146-700	**$181.13**
H	Piper Rubber Seal for Windows and Doors	12″	187-610	**$1.41**
J	Univair Fairing Seal for Piper	120″	U19795-000	**$29.86**
K	Stinson Fin Fairing Seal	36″	108-2312050-32	**$81.92**

Safety Wire

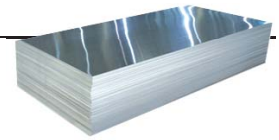
Stainless Steel Safety Wire

- Sold in 1 lb. spool

Thickness	Part #	Price
.020″	MS20995-C20	**$23.18**
.032″	MS20995-C32	**$19.42**
.041″	MS20995-C41	**$16.82**

Sheet Metal

Aluminum Alloy



- In stock for immediate shipment
- Priced per square foot – sold in full 4′ x 12′ sheets only (48 sq ft)
- Crate cost CR5 will be added to shipping costs

Thickness	Alloy	Part #	Price/Sq Ft
.016″	2024-T3 Aluminum	2024-T3-.016	**$6.29**
.020″	2024-0 Aluminum	2024-0-.020	**$10.80**
.020″	2024-T3 Aluminum	2024-T3-.020	**$7.18**
.025″	3003-H14 Aluminum	3003-H14-.025	**$4.49**
.025″	2024-0 Aluminum	2024-0-.025	**$11.28**
.025″	2024-T3 Aluminum	2024-T3-.025	**$8.37**
.032″	5052-H32/H34 Aluminum*	5052-H32/H34-.032*	**$5.43**
.032″	2024-0 Aluminum	2024-0-.032	**$8.10**
.032″	2024-T3 Aluminum	2024-T3-.032	**$9.42**
.040″	5052-H32/H34 Aluminum	5052-H32/H34-.040	**$4.56**
.040″	2024-0 Aluminum	2024-0-.040	**$20.31**
.040″	2024-T3 Aluminum	2024-T3-.040	**$11.96**
.050″	5052-H32/H34 Aluminum	5052-H32/H34-.050	**$10.04**
.050″	2024-0 Aluminum	2024-0-.050	**$14.73**
.050″	2024-T3 Aluminum	2024-T3-.050	**$16.89**
.063″	2024-0 Aluminum	2024-0-.063	**$25.52**
.063″	2024-T3 Aluminum	2024-T3-.063	**$18.68**
.080″	6061-T6 Aluminum	6061-T6-.080	**$9.32**
.100″	2024-T3 Aluminum	2024-T3-.100	**$20.13**
.125″	2024-T3 Aluminum	2024-T3-.125	**$35.45**

* Sold in 3′ x 12′ sheets (36 sq ft)

4130 Steel, Condition A • By the Sheet

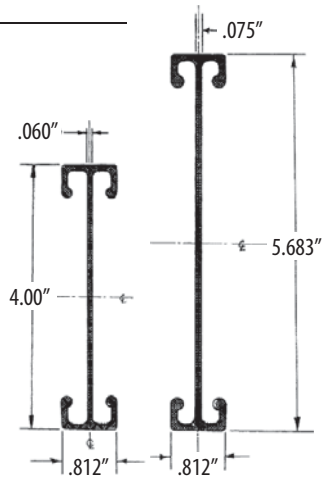
- Priced per square foot – sold in full 3′ x 6′ sheets only (18 sq ft)
- A crate fee will be added to shipping costs, see page 307 for details

Thickness	Part #	Price/Sq Ft
.032″	4130A-.032	**$17.41**
.040″	4130A-.040	**$27.30**
.050″	4130A-.050	**$28.73**
.063″	4130A-.063	**$44.18**
.100″	4130A-.100	**$45.21**
.125″	4130A-.125	**$32.45**

Spar Extrusions

Spar Blanks

- Sold in full lengths only
- Made from 6061-T6 aluminum
- Same extrusion as used on Piper J-3 through PA-25 aircraft
- Spars will be shipped via FREIGHT only



Front Spar Blank
17 foot length
1334 ..... **$515.26**

Rear Spar Blank
16′ 3″ length
1023 ..... **$393.04**

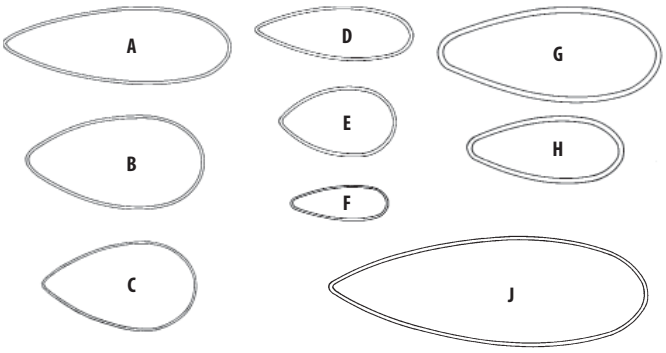
Steel 'U' Channels

- Sold in 6 foot lengths

Description	Part #	Price
¼″ x ¼″ Channel (750-284)	X141472	**$8.26**
⅜″ x ⅜″ Channel, 24 gauge	U750-285	**$12.87**
⅜″ x ⅜″ Channel, 20 gauge	U750-285HD	**$13.65**
½″ x ½″ Channel	X121272	**$34.09**
¾″ x ½″ Channel	X341272	**$33.29**
⅝″ x ½″ Channel	X581272	**$33.85**

Most raw materials cannot be ordered through our website. To order, please call 1-888-433-5433

Strut Blanks (Streamline Tubes)



Univair's streamline tubes are great for lift struts, jury struts, braces, and more. Ideal for home builders too.

Sold in full lengths only. Minimum order is 8 to 11 feet, depending on product. We will cut to length at customer's request.

Priced per foot. All dimensions are in inches.

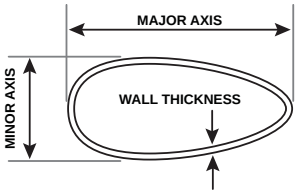


Figure	Section #	Material*	Major Axis	Minor Axis	Wall Thickness	Length	Part Number	Price Per Foot
			Measurement in inches					
A	651	MS	3.480″	1.187″	.035″	123.0″	3480C35	**$50.10**
	651	MS	3.480″	1.187″	.035″	85.5″	3480C35S	**$53.30**
B	3410	MS	2.718″	1.430″	.035″	116.0″	2718C35	**$53.20**
	3410	MS	2.718″	1.430″	.049″	119.0″	2718C49	**$52.59**
	3410	MS	2.718″	1.430″	.049″	132.0″	2718C49-132	**$52.59**
C	3053	MS	2.406″	1.377″	.035″	124.0″	2406C35	**$48.65**
D	622	MS	2.415″	0.813″	.035″	123.0″	2415C35	**$23.25**
E	3422	MS	1.780″	1.060″	.035″	126.5″	1780C35	**$19.75**
	3422	MS	1.780″	1.060″	.035″	123.9″	1780C35S	**$43.19**
F	410	MS	1.473″	0.492″	.035″	138.0″	1473C35R	**$15.14**
G	–	MS	3.372″	1.429″	.049″	119.5″	3372C49R	**$34.92**
	–	CM	3.372″	1.429″	.049″	120.0″	3372A49R	**$37.42**
H	–	CM	2.360″	1.000″	.049″	123.0″	2360A49R	**$64.06**
J	623	MS	3.890″	1.313″	.035″	213.5″	3890C35	**$31.12**
	623	MS	3.890″	1.313″	.035″	85.5″	3890C35S	**$71.18**

* MS = Mild Steel, CM = Chrome-Moly

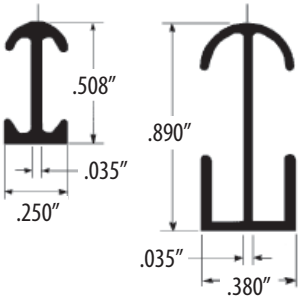
Piper Strut Barrel

- ¾″ diameter by 2″ threaded barrel, as used in the wing lift strut
- Threads must be chased with number 7/16-20 NF-HS-GH1 tap AFTER welded onto strut
- Use a Van Keuren Go-No Go gauge to check barrel threads after chasing

Strut Barrel ..... U1031-04 ..... **$108.57**

Stringer Extrusions

Stringer Blanks



- Sold in full lengths only
- Same extrusion as used in original Piper
- Can be easily cut and trimmed to exact length
- Full length stringer blanks must be shipped air or motor freight
- We will cut to length at customer's request

Small Stringer Blank

157″ length ..... 1231-157 ..... **$37.71**

Large Stringer Blank

120″ length ..... 1232-120 ..... **$61.47**

162″ length ..... 1232-162 ..... **$75.41**

Tubing

Univair carries a large line of tubing in a variety of metals, sizes, and shapes for aircraft applications. If you can't find what you are looking for, please give us a call. We carry:

- 4130 Chrome-moly steel tubing in round, square and rectangular profiles; meets MIL-T-6736 specifications
- 2024-T3, 3003-0, 5052-0, and 6061-T6 aluminum tubing
- Copper tubing

Chrome-Moly 4130 Steel Tubing – MIL-T-6736

- Priced per foot
- Minimum order is 8 feet

Diameter	Wall Thickness	Part #	Price/Ft
¼″	.028″	0.25X.028	**$22.26**
¼″	.035″	0.25X.035	**$12.68**
¼″	.049″	0.25X.049	**$14.93**

3/8"	.035"	0.375X.035	**$11.15**
3/8"	.049"	0.375X.049	**$11.81**
3/8"	.058"	0.375X.058	**$20.23**
1/2"	.035"	0.50X.035	**$14.16**
1/2"	.049"	0.50X.049	**$12.13**
1/2"	.058"	0.50X.058	**$14.46**
5/8"	.035"	0.625X.035	**$11.82**
5/8"	.049"	0.625X.049	**$12.53**
5/8"	.058"	0.625X.058	**$10.05**
3/4"	.035"	0.75X.035	**$15.07**
3/4"	.049"	0.75X.049	**$14.20**
3/4"	.058"	0.75X.058	**$12.92**
7/8"	.035"	0.875X.035	**$19.37**
7/8"	.049"	0.875X.049	**$15.13**
1"	.028"	1.00X.028	**$20.95**
1"	.035"	1.00X.035	**$18.49**
1"	.049"	1.00X.049	**$14.26**
1"	.058"	1.00X.058	**$18.55**

Most tube sizes in our catalog are stocked at our warehouse, ready to ship!

NOTES

Aluminum Tubing

- Priced per foot
- Up to 8 foot lengths can be shipped UPS; 8 to 12 foot lengths must be shipped by air or motor freight
- We will cut to length at customer's request

2024-T3 Aluminum Tubing

Diameter	Wall Thickness	Part #	Price/Ft
1/4"	.035"	A2-0.25X.035	**$13.82**
3/8"	.049"	A2-0.375X.049	**$47.39**
1/2"	.065"	A2-0.50X.065	**$4.36**
5/8"	.065"	A2-0.625X.065	**$4.59**
1"	.035"	A2-1.00X.035	**$5.76**
1"	.058"	A2-1.00X.058	**$5.76**
1"	.065"	A2-1.00X.065	**$5.81**
1 1/4"	.049"	A2-1.25X.049	**$6.14**
1 1/2"	.049"	A2-1.50X.049	**$27.03**

3003-0 Aluminum Tubing

Diameter	Wall Thickness	Part #	Price/Ft
1/4"	.032"	A3-0.25X.032	**$3.06**
5/16"	.035"	A3-0.313X.035	**$3.87**
3/8"	.035"	A3-0.375X.035	**$3.97**
1/2"	.035"	A3-0.50X.035	**$5.61**

5052-0 Aluminum Tubing

Diameter	Wall Thickness	Part #	Price/Ft
3/16"	.032"	A5-0.188X.035	**$23.85**
5/16"	.035"	A5-0.313X.035	**$11.40**
3/8"	.035"	A5-0.375X.035	**$25.45**
1/2"	.035"	A5-0.50X.035	**$21.16**
5/8"	.035"	A5-0.625X.035	**$21.78**
5/8"	.049"	A5-0.625X.049	**$8.53**
2"	.035"	A5-2.00X.035	**$66.10**

6061-T6 Aluminum Tubing

Diameter	Wall Thickness	Part #	Price/Ft
3/8"	.035"	A6-0.375X.035	**$5.31**
1/2"	.035"	A6-0.50X.035	**$4.65**
2"	.035"	A6-2.00X.035	**$25.64**

Copper Tubing

- Priced and sold by the foot

Diameter	Part #	Price/Ft
1/8" copper tube	1/8-COPPER TUBE	**$2.16**
3/16" copper tube	3/16-COPPER TUBE	**$2.40**
1/4" copper tube	1/4-COPPER TUBE	**$3.73**
3/8" copper tube	3/8-COPPER TUBE	**$3.30**

Most raw materials cannot be ordered through our website. Please call 1-888-433-5433 to place an order.

SUPPLIES • ACCESSORIES

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Adhesive

3M Rubber Adhesive

- 3M Scotch-Weld Neoprene High Performance Rubber and Gasket Adhesive
- Size: 5 fl. oz. / 147.8 ml tube
- High immediate strength
- Fast drying and heat resistant for rubber and metal
- Meets requirements for MIL-M-81288

Rubber Adhesive, 5 fl. oz. tube..... 1300 ..... **$25.71**

Books

Stinson's Golden Age, Volumes 1 and 2

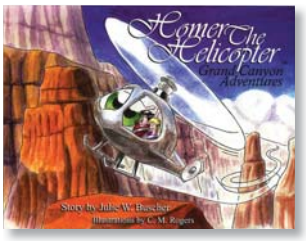
By author John C. Swick, *Stinson's Golden Age* is about the history of the Stinson 108 series airplane (the Voyager), although the Stinson 105, 10, 10A, and L-5 are also covered. Volume 1 begins with the three-place 105 in 1938 and concludes in volume 2 with the sale of the last Stinson 108-3 from Willow Run in 1950. *Stinson's Golden Age* includes production figures, the disposal of surplus military aircraft, the all-Piper Apache and the chronicle of two Stinson dealers.

Stinson's Golden Age, Volume 1 ..... SGA-1 ..... **$27.25**
Stinson's Golden Age, Volume 2 ..... SGA-2 ..... **$26.95**

Duane Cole Books

Planes, Pilots and Progress
DC-10 ..... **$14.95**
Airport Memories
DC-11 ..... **$29.95**

Homer the Helicopter – Grand Canyon Adventures



- Story by Julie W. Buscher
- Illustrations by C. M. Rogers
- Paperback; 71 pages

A one-of-a-kind tale of high-flying action adventure! Follow Homer from his beginnings at the helicopter factory on an epic journey, as he learns the ropes of being a touring helicopter in the Grand Canyon. You'll delight in watching your children laugh and learn with Homer as he grows from a mischievous young helicopter to an experienced flier. With more than 20 full color illustrations, Homer's story is sure to engage and enchant young people everywhere.

Homer the Helicopter..... HOMER-THE-HELICOPTER **$19.95**

Toll Free Sales: 1-888-433-5433
Shop Online: www.univair.com

Logbooks

Description	Part #	Price
Piper Cub Engine Log, Soft Cover, Purple	170-112	**$36.98**
Piper Cub Aircraft Logbook, Soft Cover, White	750-111	**$27.84**
Standard Aircraft Log, Soft Cover, Dark Green	ASA-SA-1	**$7.69**
Standard Aircraft Log, Hard Cover, Dark Green	ASA-SA-2	**$14.91**
Standard Engine Log, Soft Cover, Red	ASA-SE-1	**$5.95**
Standard Engine Log, Hard Cover, Red	ASA-SE-2	**$12.95**
ASA Pilot Log, Hard Cover, Black	ASA-SP-30	**$13.52**
Standard Propeller Logbook, Soft Cover, Black	ASA-SP-L	**$7.13**
Aircraft Log and Maintenance Record, Soft Cover, Green	P0003	**$5.90**
Engine Log and Maintenance Record, Soft Cover, Red	P0005	**$5.90**

Lubricants

AVBLEND Lubricant

- The only FAA approved pure lubricant
- Control damaging rust and corrosion in your engine
- Provide positive lubrication and prevent dry engine starts
- Keep new and rebuilt engines dimensionally correct
- Control critical engine temperatures
- Prevent unnecessary maintenance expense caused by premature wear
- Restore performance to engines with accumulated hours

12 ounce can, single ..... AVBLEND-1 ..... **$19.95**
12 ounce can, pack of 4 ..... AVBLEND-4 ..... **$74.00**

Champion Spark Plug Lubricant

A high temperature graphite lubricant for application to spark plug thread installations to prevent galling.

- Spark plug thread lubricant and anti-seize compound
- Size: 4 ounce bottle

Bottle, 4 ounces ..... 2612 ..... **$12.11**

Low-Temperature Grease

Meets Military Specification #7421A. Our inventory is from the 1960's but has never been opened. Ideal as a tachometer and speedometer cable lubricant, as it does not set up at low temperatures. Packed in 1 pound can.

Low-Temperature Grease, 1 pound ..... G352 ..... **$4.74**

Red Hydraulic Fluid

For use in brake systems and landing gear cylinders. Meets Military Specification #5606A.

1 quart ..... H5606A-QT **$14.85**
1 gallon ..... H5606A **$57.75**

Black Bear Par-Al-Ketone

Best known as one of the most rugged corrosion inhibitors available, performing successfully for over 40 years protecting aircraft components and machine parts in outdoor storage and for export.

1 quart ..... PARALKETONE-QT **$30.92**

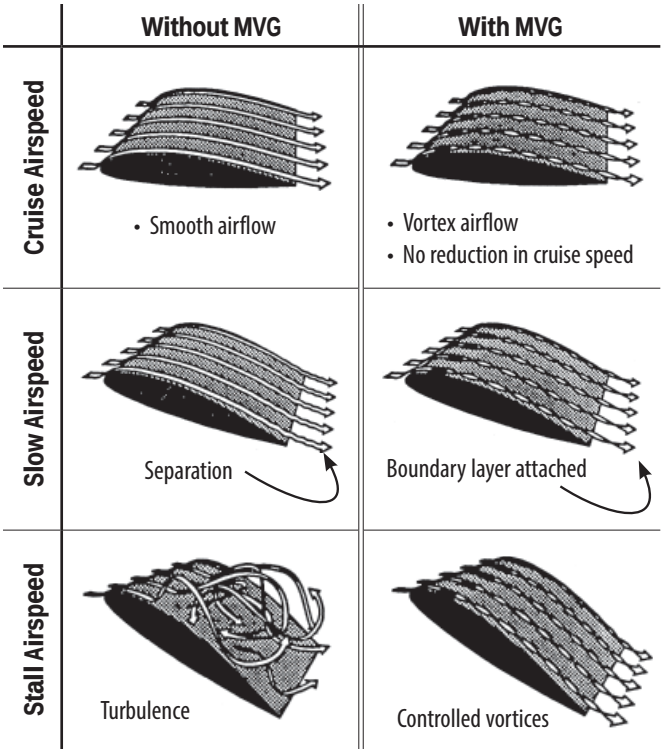
Magneto Synchronizers

- Utilizes the latest digital integrated circuitry (no mechanical buzzer)
- Timing indicators are light emitting diodes (LEDs)
- Will not give a false reading should the clip leads pop off or become shorted
- Can also be used as a relay coil tester

Magneto Synchronizer,
Single With Tweeter ..... AA003 ..... **$87.00**
Dual With Tweeter ..... AA004 ..... **$94.50**

NOTES

Micro Vortex Generators



What Vortex Generators Do

Micro vortex generators are placed in a span-wise line approximately ten percent aft of the leading edge of the wing. They control airflow over the upper surface of the wing by creating vortices that energize the boundary layer. This results in improved performance and control authority at low airspeeds and high angles of attack.

Manufactured by Micro AeroDynamics under their FAA-PMA, these Micro Vortex Generators are made from aircraft grade 6063-T6 aluminum, alodined to a Boeing mil-spec, and ready for painting. Each VG is curved on the bottom to fit the contour of the wing.

- Reduced VMCA
- S.T.O.L. benefits
- Lower lift off speed
- Lower stall speeds
- Certified performance numbers
- Improved characteristics
- Improved safety
- Saves tires and brakes
- 1 day installation

NOTE: An aircraft equipped with vortex generators can still stall, but at a lower airspeed than the same aircraft without vortex generators.

Micro Vortex Generator Kits

AERONCA

Champ 7AC, 7ACA ..... VG5032 ..... **$750.00**

BELLANCA

Citabria/Scout Series ..... VG5054 ..... **$750.00**

CESSNA

170A, 170B ..... VG5059 ..... **$1,595.00**
172, 175 ..... VG5058 ..... **$1,595.00**
180, 180A to K ..... VG5057 ..... **$1,595.00**
182, 182A, 182B ..... VG5057 ..... **$1,595.00**
182 Series (Swept Tail) ..... VG5060 ..... **$1,595.00**
185, 185A-E, A185F ..... VG5057 ..... **$1,595.00**
310G to 310J ..... VG5025 ..... **$2,145.00**
310K, L, N and P ..... VG5001 ..... **$2,145.00**
310Q ..... VG5002 ..... **$2,145.00**
T310P ..... VG5003 ..... **$2,145.00**
T310Q ..... VG5004 ..... **$2,145.00**
310R (ZFW and GWI 180 lb) ..... VG5005 ..... **$2,695.00**
T310R (ZFW and GWI 180 lb) ..... VG5006 ..... **$2,695.00**
320 B,C,D,E and F (ZFW and GWI 180 lb) ..... VG5007 ..... **$2,145.00**
340 (GWI 300 lb) ..... VG5009 ..... **$3,245.00**
340A (GWI 300 lb) ..... VG5010 ..... **$3,245.00**
335 (GWI 300 lb) ..... VG5008 ..... **$3,245.00**
401 and 401A and 401B ..... VG5035 ..... **$2,145.00**
402 and 402A ..... VG5035 ..... **$2,145.00**
402B ..... VG5012 ..... **$2,145.00**
402C (ZFW and GWI 360 lb) ..... VG5011 ..... **$3,245.00**
411 and 411A ..... VG5034 ..... **$2,145.00**
414 ..... VG5013 ..... **$2,145.00**
414A and 414AW (ZFW and GWI 350 lb) ..... VG5014 ..... **$3,245.00**
421 and 421A ..... VG5046 ..... **$2,145.00**
421B (GWI 129 lb) ..... VG5015 ..... **$3,245.00**
421C (GWI 129 lb) ..... VG5016 ..... **$3,245.00**

PIPER – SINGLE ENGINE

PA-12, PA-18 ..... VG5045-1 ..... **$750.00**
PA-12, PA-18 Upgrade Kit with standard L.E.; upgrade for previously installed V/G kit STC-SA5948NM ..... VG5045-5 ..... **$150.00**
PA-12, PA-18 Leading Edge Cuff Kit ..... VG5045-2 ..... **$750.00**
PA-12, PA-18 Extended Wing Kit ..... VG5045-3 ..... **$750.00**
PA-12, PA-18 Leading Edge Cuff Kit for Extended Wing ..... VG5045-4 ..... **$750.00**
PA-12, PA-18 Leading Edge Cuff Kit Upgrade
Upgrade for previously installed L.E. Cuff Kits ..... VG5045-6 ..... **$150.00**
J-3 Cub, PA-11 Cub Special ..... VG5092 ..... **$750.00**
PA-22 and PA-20 ..... VG5028 ..... **$750.00**

PIPER – TWIN ENGINE

PA-23-180 Geronimo ..... VG5050 ..... **$1,595.00**
PA-23-250 Aztec ..... VG5036 ..... **$2,145.00**
PA-30, PA-39 Twin Comanche ..... VG5052 ..... **$2,145.00**
PA-44-180/180T Seminole ..... VG5051 ..... **$2,145.00**
PA-31-350 Chieftain J2B Conversion Kit ..... VG6001 ..... **$868.75**

STINSON

108, 108-1, 108-2, 108-3, and 108-5 ..... VG5072 ..... **$750.00**

Find micro vortex generator kits for Aviat, Beechcraft, Maule, Homebuilt, and Agricultural on our website, as well as repaint kits and spares kits.

Shop Online: www.univair.com
Order By Phone: 1-888-433-5433
Monday to Friday • 7:30 am to 4:30 pm MT

Price and availability subject to change without notice • Univair's Toll Free Sales: 1-888-433-5433

Miscellaneous Accessories

Fuel Tester – Screwdriver Type

- For all types of aircraft fuel drain fittings
- Reversible head – has both slotted and Phillips screwdriver heads

Fuel Tester ..... ASA-AFT-1 ..... **$7.99**

Dupont Sontara Window Wipes

- Designed to limit scratches on plastic windshields and windows
- 12″ x 13″
- Package of 25

Window Wipes ..... AC1213WWA **$9.60**

Sic-Sac Motion Sickness Bag

- For motion sickness and other emergencies
- Envelope contains one moisture-proof plastic bag
- Includes twist tie

Motion Sickness Bag ..... SICSAC **$1.66**

Fun For the Kids

Single-Wing Glider

A perfectly proportioned glider designed for maximum flyability. Made of balsa wood, it measure approximately 6.25″ long with an 8″ wingspan. Assembly required. Branded with the Univair logo and contact information.

PM25-1 ..... **$3.00**

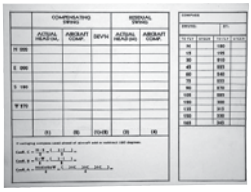
Aero-Props Super Fun Stunt Flyer

These aerodynamically-advanced flying toys work on the same principles of flight that all propeller airplanes use, that of lift and thrust. This hand-launched flyer will give you hours of indoor and outdoor fun flying solo, creating swooping, curving shots, or playing catch with your friends.

- Each propeller is branded with the Univair logo and contact information
- We will send an assortment of colors of our choice
- Soars up to 35 feet
- Not recommended for children under 10 years

Aero-Props Stunt Flyer ..... PM25-3 ..... **$3.00**

Compass Correction Card



- Printed on bristol board
- 6.25″ wide by 4.75″ high

Card ..... AN5823-1 ..... **$2.88**

Fuel Test Cups

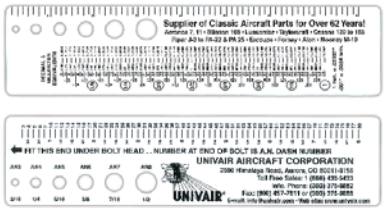
- Easy contamination testing for most types of aircraft fuel drain fittings
- Clear cup with reinforced steel pin
- F391-CUP for use with F391 drain valves

Fuel Tester Cup
ASA-AFT-C **$10.75**

Flush Fuel Sampler Cup from MDI Aerovalve
F391-CUP **$13.05**

Complimentary Bolt Gauge

8″ plastic ruler with AN3 thru AN8 bolt gauge holes and decimal/millimeter equivalents chart. Branded with Univair logo and contact information. Free with any order, but you must ask for it!



Pilot Computers

Dead Reckoning Computer

This 4¼" diameter computer comes with a case and gives density, altitude, and true airspeed.

Dead Reckoning Computer.....E-11 ..... **$14.33**

True Air Speed Computer

This true air speed computer's large 8" diameter makes it ideal for classroom work.

True Air Speed Computer ..... G-1 ..... **$5.74**

Stinson Navigational Computer

- Type A-2
- Computes time/speed/distance
- White

Stinson Computer .....SWC **$15.65**
Instruction Booklet ..... SCI **$8.79**

Pitot Tube Protectors

Automatic Pitot Protectors

- Open at a speed substantially below stall speed and close upon landing

Model 1 for 3⁄16" lines.....AG1001-3/16 ..... **$18.96**
Model 1 for ¼" lines.....AG1001-1/4 ..... **$18.57**
Model 2 for ⅜" and ½" lines.....AG1002 ..... **$17.37**

Polishes • Restoration Compounds

Descriptions and pictures for these products can be found on our website.

Description	Part #	Price
Meguiar's Plastic Cleaner, 8 ounce bottle	MGH-17-8OZ	**$10.85**
Meguiar's Plastic Polish, 8 ounce bottle	MGH-10-8OZ	**$9.95**
Met-All Aluminum Polish, 1 lb can	MET-ALL	**$8.29**
Micro-Mesh Plastic Restoration Kit	KR-70	**$42.06**
Plexus Plastic Cleaner, 7 ounce can	PLEXUS-CLEANER-7OZ	**$22.58**
13 ounce can	PLEXUS-CLEANER-13OZ	**$32.34**

Blue Magic Metal Polish

Instantly removes oxidation, tarnish and dirt while it polishes. Performs its magic on all metal surfaces. Available in a 19.38-ounce jar (550 gm; 1.21 lb).

Blue Magic Metal Polish.....500-12 ..... **$8.87**

Snap Vents

Snap Vents

Transparent, adjustable ventilators that provide fresh air intake, exhaust, or no draft. Easily installed and available in two sizes: large and small.

1 Pair, Small (for 2" diameter hole) ..... A2-100 ..... **CALL**
1 Pair, Large (for 3¼" diameter hole) ..... CC3251 .... **$35.00**
Cutting Tool (for A2-100 only)..... A2-100-T **$48.43**

Windsocks

Bright Orange Windsocks

- Made of high-visibility orange polyester fabric
- Treated to resist wind and weather wear
- Double-stitched seams; polyester thread
- Solid brass grommets
- Fastening cord included

Diameter x Length

18" x 60"..... 186304 ..... **$59.29**
24" x 96"..... 201665 ..... **$97.63**
28" x 84"..... 186314 ..... **$72.79**

Standard Windsock Frames

- Constructed of welded steel, mounted to 1" diameter pipe to fit a ¾" pipe or conduit
- Easily swivels on 2 ball bearings
- Painted for corrosion resistance

Diameter

13" ..... 54133 ..... **$56.39**
18" ..... 211656 ..... **$54.49**
24" ..... 158725 ..... **$98.69**
28" ..... 211664 ..... **$113.64**

If you don't find the part you need, please give us a call!

U.S. Toll Free 1-888-433-5433

Shock Cords

Aircraft	Type	Shock Ring	Size	Test	# Req	Standard Part #	Standard Price	Cold Weather Part #	Cold Weather Price
AERO COMMANDER	Model 520	6040	3/8 x 4	140	4	6040	**$77.60**	—	—
	Model 560A, 680	9011	9/16 x 4½	400	8	9044	**$46.12**	—	—
	Model 500A, 500B,560F	9044	9/16 x 4½	400	4	9044	**$46.12**	—	—
	Model 680F	9044	9/16 x 4½	400	2	9044	**$46.12**	—	—
AERONCA	15AC serial numbers 330 and up	1286	¾ x 8¾	750	4	1286	**$38.99**	—	—
	15AC serial numbers 1 to 329	1280	¾ x 8	750	4 or 6	U31322-000	**$67.88**	1280-CW	**$54.09**
PIPER	J-2, J-3 serial numbers 1 to 8277	1174	11/16 x 7½	730	4	U30462-002	**$51.20**	—	—
	J-5	1174	11/16 x 7½	730	6	U30462-002	**$51.20**	—	—
	J-3 serial numbers 8278 and up	1280HD	¾ x 8	950	4	U31322-005	**$45.05**	1280-CW	**$54.09**
	PA-11, PA-15, PA-17	1280	¾ x 8	750	4	U31322-000	**$67.88**	1280-CW	**$54.09**
	PA-12, PA-14	1280	¾ x 8	750	6	U31322-000	**$67.88**	1280-CW	**$54.09**
	PA-16	1080	5/8 x 8	750	4	U31322-002	**$51.00**	1080-CW	**$56.26**
	PA-18 serial numbers 1 to 3013	1280HD	¾ x 8	950	4	U31322-005	**$45.05**	1280HD-CW	**$54.99**
	PA-18 "135" with hydrasorb unit (standard) on serial numbers 3014 and up	1280HD	¾ x 8	950	4	U31322-005	**$45.05**	1280HD-CW	**$54.99**
	PA-18 "150"	1280HD	¾ x 8	950	4	U31322-005	**$45.05**	1280HD-CW	**$54.99**
	PA-18A with standard shock strut on serial numbers 1 to 3013	1280HD	¾ x 8	950	4	U31322-005	**$45.05**	1280HD-CW	**$54.99**
	PA-18A with hydrasorb unit (standard) on restricted category planes with serial numbers 2187 to 3013	1280HD	¾ x 8	950	4	U31322-005	**$45.05**	1280HD-CW	**$54.99**
	PA-18A with hydrasorb unit (standard) on serial numbers 3014 and up	1280HD	¾ x 8	950	4	U31322-005	**$45.05**	1280HD-CW	**$54.99**
	PA-18 with hydrasorb unit (optional) on serial numbers 1 to 3013	1080HD	5/8 x 8	900	4	U31322-006	**$48.98**	1080HD-CW	**$65.27**
	PA-18 "95" with hydrasorb unit (standard) on serial numbers 3014 and up	1080HD	5/8 x 8	900	4	U31322-006	**$48.98**	1080HD-CW	**$65.27**
	PA-18A with hydrasorb unit (optional) on serial numbers 1 to 2186	1080HD	5/8 x 8	900	4	U31322-006	**$48.98**	1080HD-CW	**$65.27**
	PA-20 (1952 and later models)	1080HD	5/8 x 8	900	4	U31322-006	**$48.98**	1080HD-CW	**$65.27**
	PA-22	1080HD	5/8 x 8	900	4	U31322-006	**$48.98**	1080HD-CW	**$65.27**
	PA-22-108	1080	5/8 x 8	750	4	U31322-002	**$51.00**	1080-CW	**$56.26**
	PA-25 (235-260)	1080HD	5/8 x 8	900	6	U31322-006	**$48.98**	1080HD-CW	**$65.27**
	PA-24	8097	½ x 9⅞	400	2	U31322-007	**$35.39**	—	—
PITTS	S-1 Series	1380	13/16 x 8	1160	4	U31322-003	**$57.33**	1380-CW	**$58.58**
	S-2 Series	1280HD	¾ x 8	950	4	U31322-005	**$45.05**	—	—
STOLP STARDUSTER	SA100	1080	5/8 x 8	750	4	U31322-002	**$51.00**	1080-CW	**$56.26**
	SA300	1280	¾ x 8	750	4	U31322-000	**$67.88**	1280-CW	**$54.09**
TAYLORCRAFT	L-2	11104	11/16 x 10½	750	4	11104	**$53.37**	—	—
	BC12D, BC12-85, BC19, F1	9010HD	9/16 x 10	475	4	9010HD	**$29.97**	9010HD-CW	**$48.56**
	All Model B Series prior to 1946	9090	9/16 x 9	425	4	9090	**$31.79**	—	—
	Model 15A	13114	13/16 x 11½	800	4	13114	**$152.43**	—	—
	Models F19 and F21	9010HDX	9/16 x 10	700	4	9010HDX	**$40.34**	—	—

TIRES • WHEELS • BRAKES

CONTENTS

B.F. Goodrich 270
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B.F. Goodrich

Grove 800 x 4 Disk Brake Conversion

- Applicability: PiperJ-3, J-4, J-5, PA-11, and PA-15/17
- Bigger caliper for PA-12, PA-14, PA-16, PA-18, and PA-20

Maintain your classic look! Use your existing wheels, tires, tubes, master cylinder and brake lines. Easy installation – all parts and special tools are included. For Goodrich wheels and brakes only.

Kits requiring FAA 8130-3 Forms must be special ordered from the factory. There is an additional **$150.00** charge for this documentation.

Grove Brake Conversion ..... 76002 ..... **$1,029.00**

B.F. Goodrich Replacement Brake Parts

- All parts listed below priced and sold individually

Bellanca Cruisair (D2-250 Brake Assembly)

Shield, 6 required ..... A72-29 ..... **$19.50**
Spring Clip, 6 required ..... B21-116 ..... **$52.29**

Bellanca Cruisair (D2-524 Brake Assembly)

Shield, 6 required ..... A72-29 ..... **$19.50**
Spring Clip, 6 required ..... B21-116 ..... **$52.29**

Navion

Shield, 7 required ..... A72-29 ..... **$19.50**

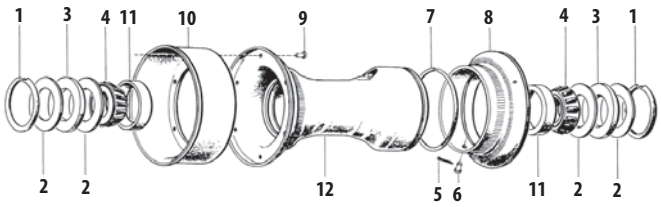
Piper PA-23 Apache

Block, 6 required ..... B27-300 ..... **$13.18**
Spring Clip, 6 required ..... B21-169 ..... **$29.68**

8.00 x 4 Main Wheel Assembly

B.F.Goodrich

- Applicability: Pipers with 1¼" axles; Ercoupe serial numbers 1 to 812
- All parts below are priced and sold individually

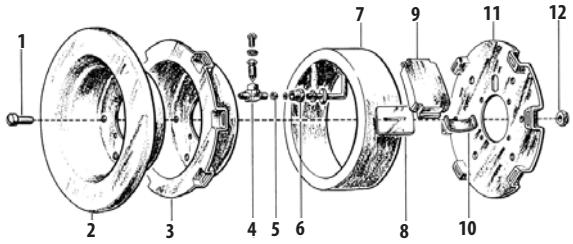


#	Description	Required	Part #	Price
	Wheel and Brake Drum Assembly		UD3-13A-1	**$2,089.56**
1	Lock Ring	2	UA85-218	**$36.40**
2	Felt Retainer Washer	4	UA56-4	**$10.19**
3	Felt Grease Retainer	2	UB227-52	**$1.76**
4	Bearing Cone	2	08125	**$49.98**
5	Cotter Pin	1	AN380-2-2	**$0.04**
6	Anchor Pin	1	A20-54	**$23.76**
7	Side Lock Ring	1	UA85-118	**$24.26**
8	Side Rim	1	B11-5	**$66.40**
9	Flat Head Rivet	6	AN441-6-6P	**$0.81**
10	Brake Drum	1	B13-4	**$287.19**
11	Bearing Cup	2	08231	**$31.18**
12	Wheel Base	1	UD10-12	**$1,325.46**

8.00 x 4 Brake Assembly (D2-113S)

B.F.Goodrich

- Applicability: Pipers with 1¼" axles; Ercoupe serial numbers 1 to 812
- All parts below are priced and sold individually



#	Description	Required	Part #	Price
	Brake Assembly (D3-113)		D2-113S	**N/A**
1	Screw (AN501A10-6)	6	MS35266-61	**$0.38**
2	Brake Inner Fairing (Dust Cover)	1	B51-72	**$119.00**
3	Brake Frame	1	D12-101	**$31.02**
4	Bleeder Tee Fitting, Nut, Washer	1	B57-239	**$133.55**
5	Packing	1	A64-3	**$6.15**
6	Nut	1	A63-159	**N/A**
7	Expander Tube Assembly	1	B22-43S	**N/A**
8	Expander Tube Shield	6	A72-30	**$32.57**
9	Brake Block	6	B27-59-1	**$80.50**
10	Retracting Spring	6	B21-35	**$12.42**
11	Brake Frame Flange	1	D15-25	**$56.01**
12	Nut (AN365-1032)	6	MS21044N3	**$0.51**

Cleveland Wheels & Brakes

Cleveland Wheels & Brakes Aircraft Applicability Chart

1) Find your aircraft in the chart below.
2) Go to the page for the applicable brake or wheel assembly.
3) Illustration pages will list all available parts for that brake or wheel.

Aircraft	Brake	Page	Wheel	Page
Aeronca, Bellanca, Champion				
7AC to 7EC, 7FC, 7HC	B-1	272	W-4	280
7ACA, 1971	B-2	273	W-2	279
7ECA, 7GCAA, 7GCBC, 7SRS, 1964 and later	B-3	273	W-5	281
8GCBC, S/N 1 and up	B-9	276	W-15	286
Cessna 199-04600 Kit				
120, 140, 170, 180, 182 (6.00 tires)	B-5	274	W-13	285
150A, 150B, 1961-62, S/N 59119 to 59700	B-2	273	W-2	279
150C, 1963, S/N 59701 to 60087	B-2	273	W-1	279
150C	B-3	273	W-7	282
150D, 150E, 1964-65, S/N 60088 to 61532	B-2	273	W-2	279
150F, 150G, 150H, 150J, 1966, S/N 61533 and up	B-5	274	W-13	285
150K, to 1970, S/N 71129 to 72003	B-5	274	W-13	285
A150K, 1970, S/N 1 to 226	B-5	274	W-13	285
A150 Series, S/N 227 and up	B-6	275	W-14	285
F150 Series, S/N 530 and up	B-6	275	W-14	285
FA150 Series, S/N 1 and up	B-6	275	W-14	285
Cessna 199-06200 Kit				
180, 185, 206	B-11	277	W-8	282
Cessna 199-06100 Kit				
190, 195, 195A	B-13	278	W-17	287
Ercoupe, Forney 199-06900 Kit				
415-C, CD, D, E, G, Forney F1, S/N 813 and up	B-4	274	W-10	283
Ercoupe 199-07100 Kit				
415, S/N 113 to 812	B-10	277	W-12	284
Luscombe				
Mechanical Drum Type	B-1	272	W-4	280
Mooney				
M-10 Cadet, S/N 690001 and up	B-5	274	W-13	285
Navion				
199-05200 Kit (includes nosewheel), S/N A to H	B-12	278	W-16	286
199-05201 Kit (excludes nosewheel), S/N A to H	B-12	278	W-16	286
Piper 199-07100 Kit				
J-3 to PA-20	B-10	277	W-12	284
PA-18-150, PA-18A-150, , S/N 7609137 and up	B-10	277	W-12	284
Piper 199-23100 Kit				
J-3 to PA-22 with 1½" axles	B-10	277	W-9	283
PA-22	B-1	272	W-4	280
PA-22-108	B-3	273	W-5	281
PA-22 Series	B-3	273	W-5	281
PA-22 Series	B-10	277	–	–
PA-24-180, 250, S/N 1 to 3295	B-7	275	W-3	280
PA-24-180, 250, 260, S/N 3296 and up	B-10	277	–	–
PA-24-180, 250, S/N 3307 and up	B-10	277	W-6	281
PA-24-260, S/N 3307 and up	B-10	277	W-9	283
PA-24-400, S/N 130 and up	B-8	276	W-11	284
PA-25, S/N 1 to 1999	–	–	W-3	280
PA-25, S/N 2000 to 4171	–	–	W-7	282
PA-25, S/N 4172 and up	–	–	W-9	283
PA-25, S/N 1 to 2136	B-7	275	–	–
PA-25, S/N 2137 and up	B-10	277	–	–
PA-25, Starting in 1977	B-10	277	–	–
Stinson 199-08700 Kit				
108	B-5	274	W-13	285
108, Drum and Shoe Type	B-1	272	W-4	280

Replacement Brake Linings

Replace worn linings with new, approved linings from Univair. For installation and conditioning procedures, please contact Parker Aerospace at www.parker.com.

See our website for exact model applicability.

Non-Asbestos Organic Lining	Part #	Price
Cessna 150, 172, 177, 180, 185 (B30026)	066-30026	**$25.82**
Beech 33, Cessna 210C (066-00400)	066-11100	**$15.30**
Aeronca, Cessna, Piper (066-00200)	066-10600	**$16.50**
Cessna, Ercoupe, Mooney (066-03000)	066-10500	**$17.35**
Piper PA-38, Beech B19, C33, 24R, 77 (066-07100)	066-11200	**$36.52**

Metallic Linings	Part #	Price
Piper PA-24 (066-01900)	066-06200	**$27.97**
Cessna 190, 195, 195A	066-03300	**$22.18**

Need help finding a part?

Call our toll-free sales number 1-888-433-5433! You will find our sales personnel knowledgeable, efficient, and courteous and our service unmatched in the industry. Contact us between 7:30 a.m. and 4:30 p.m. Mountain Time, Monday through Friday and give us the opportunity to serve you!

Free shipping on qualifying orders!

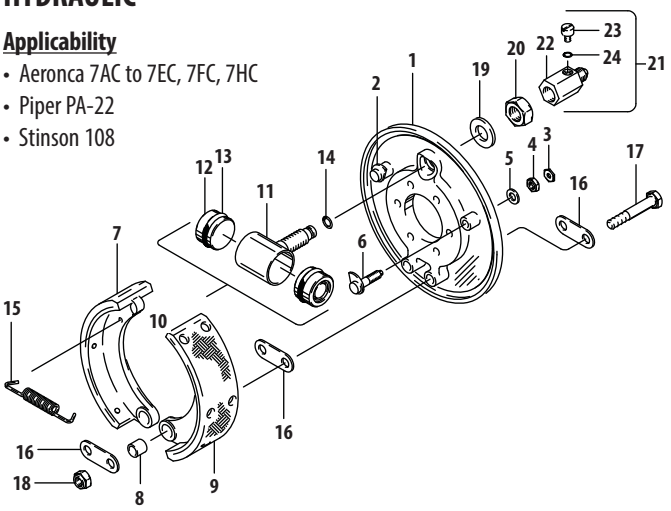
Minimum purchase amount required. Shipping to lower 48 contiguous states only via ground or motor freight. Other conditions apply. See full details on page 3.

B-1 6.00-6 Hydraulic and Mechanical Drum Type Brake Assemblies

HYDRAULIC

Applicability

- Aeronca 7AC to 7EC, 7FC, 7HC
- Piper PA-22
- Stinson 108



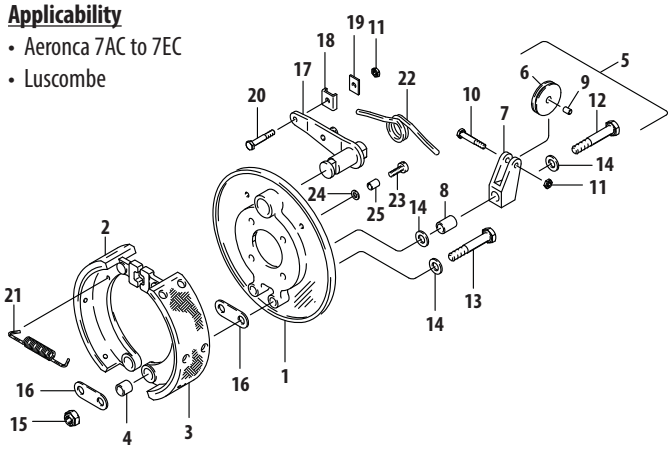
Hydraulic Brake Assembly (C2000) .....030-00200..... CALL

#	Description	Quantity per Assembly	Part #	Price
1	Torque Plate Assembly	1	075-01100	**CALL**
	Torque Plate	1	065-00600	**CALL**
2	Brake Adjuster Eccentric	1	097-00102	**CALL**
	Brake Adjuster Eccentric	1	096-00102	**CALL**
3	Nut	2	094-90100	**CALL**
4	Jam Nut (094-03000)	2	AN316-4	**$0.22**
5	Lock Washer (095-15600)	2	MS35333-40	**$0.06**
6	Brake Adjuster Eccentric	1	097-00101	**N/A**
	Brake Adjuster Eccentric	1	096-00101	**CALL**
7	Shoe Assembly, Left	1	172-00102	**N/A**
	Brake Lining, Includes Rivets	1	066-00504	**$89.30**
8	Bushing	2	145-00200	**N/A**
	Rivet (MS16536-93)	6	105-00300	**$1.45**
9	Shoe Assembly, Right	1	172-00101	**N/A**
	Brake Lining, Includes Rivets	1	066-00504	**$89.30**
10	Cylinder Assembly	1	091-00300	**N/A**
11	Tube Assembly	1	167-00100	**CALL**
12	Piston Assembly	2	092-00100	**N/A**
	Brake Piston	2	062-00200	**N/A**
	Wear Plate	2	089-00100	**CALL**
13	O-Ring	2	MS28775-211	**$1.00**
14	O-Ring (101-00500)	1	MS28775-010	**$1.20**
15	Brake Return Spring	1	082-00300	**$78.20**
16	Anchor Bolt Plate	3	093-00100	**CALL**
17	Bolt (103-20300)	2	AN5-15A	**$0.54**
18	Self-Locking Nut (AN365-524)	2	MS21044N5	**$0.50**
19	Lock Washer (095-15700)	1	AN936A816	**$1.79**
20	Jam Nut	1	094-03700	**CALL**
21	Bleeder Assembly	1	087-00100	**CALL**
22	Bleeder Body	1	077-00100	**CALL**
23	Bleeder Screw	1	079-00100	**$236.51**
24	O-Ring (101-00300)	1	MS28775-008	**$1.72**

MECHANICAL

Applicability

- Aeronca 7AC to 7EC
- Luscombe



Mechanical Brake Assembly (030-00300).....C7000 ..... CALL

#	Description	Quantity per Assembly	Part #	Price
1	Torque Plate	1	065-00800	**CALL**
2	Shoe Assembly, Left	1	172-00202	**N/A**
	Brake Lining, With Rivets	1	066-00504	**$89.30**
3	Shoe Assembly, Right	1	172-00201	**N/A**
	Brake Lining, With Rivets	1	066-00504	**$89.30**
4	Bushing	2	145-00300	**CALL**
	Rivet	6	105-00300	**$1.45**
	Wear Plate	1	089-00200	**CALL**
5	Pulley Bracket Assembly	1	174-00100	**CALL**
6	Cable Pulley	1	179-00100	**N/A**
7	Pulley Bracket	1	173-00100	**CALL**
8	Bushing	1	145-00400	**N/A**
9	Bushing	1	145-00500	**CALL**
10	Bolt	1	AN3-7A	**$0.52**
11	Self-Locking Nut (AN364-1032)	2	MS21083N3	**$0.22**
12	Bolt	1	AN4-23A	**$1.00**
13	Bolt	1	AN4-15A	**$0.44**
14	Flat Washer (AN960-416)	3	NAS1149F0463P	**$0.06**
15	Self-Locking Nut (AN365-428)	2	MS21044N4	**$0.30**
16	Anchor Bolt Plate	2	093-00200	**CALL**
17	Cam Assembly	1	181-00100	**CALL**
	Brake Cam	1	175-00100	**CALL**
	Brake Pin	1	177-00100	**CALL**
	Cam Lever	1	178-00100	**CALL**
18	Washer Clip	1	176-00200	**N/A**
19	Washer Clip	1	176-00100	**N/A**
20	Bolt	1	AN3-5A	**$0.26**
21	Brake Return Spring	1	082-00300	**$78.20**
22	Spring	1	082-00400	**$51.57**
23	Truss Head Screw	1	AN526-1024-8	**$0.06**
24	Washer	1	095-00200	**N/A**
25	Bushing	1	145-00600	**CALL**

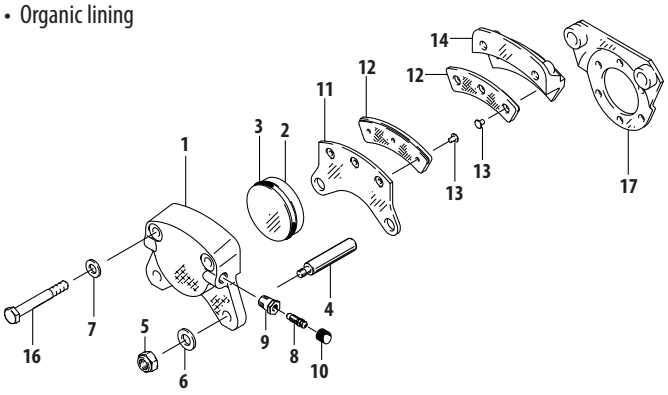
B-2 5" Brake Assembly

Applicability

- 1971 Aeronca 7ACA Champ
- 1961-62 Cessna 150A, 150B, serial numbers 59119 to 59700
- 1963 Cessna 150C, serial numbers 59701 to 60087
- 1964-65 Cessna 150D, 150E, serial numbers 60088 to 61532

Specifications

- External
- Single cylinder
- Single piston
- Organic lining



#	Description	Quantity per Assembly	Part #	Price
	Cleveland Brake Assembly		030-00900	**$1,421.32**
1	Cylinder Assembly	1	091-00702	**$761.10**
	Cylinder	1	061-00601	**$1,097.82**
2	Piston Assembly	1	092-00200	**$101.13**
	Piston	1	062-00300	**$196.80**
3	O-Ring (101-02300)	1	MS28775-218	**$3.54**
4	Anchor Bolt	2	069-00400	**$56.42**
5	Nut (094-10300)	2	MS21044N4	**$0.30**
6	Washer (AN960-416)	2	NAS1149F0463P	**$0.06**
7	Washer (AN960-416)	2	NAS1149F0463P	**$0.06**
8	Bleeder Screw	1	079-00300	**$22.34**
9	Bleeder Seat	1	081-00100	**$37.60**
10	Bleeder Cap	1	183-00100	**$5.65**
11	Pressure Plate	1	063-00500	**$219.16**
	Pressure Plate Assembly	1	073-00300	**$187.96**
12	Brake Lining	2	066-10600	**$16.50**
13	Rivet	6	105-00200	**$1.45**
14	Back Plate	1	064-00500	**$199.14**
	Back Plate Assembly	1	074-00200	**$270.43**
16	Bolt (103-12100)	2	AN4H15A	**$1.50**
17	Torque Plate Assembly	1	075-00800	**$447.97**

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Order By Phone: 1-888-433-5433
Monday to Friday • 7:30 am to 4:30 pm MT

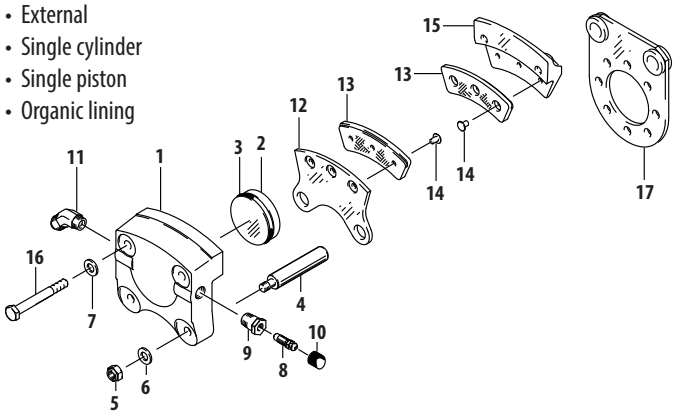
B-3 6" Brake Assemblies

Applicability

- A) Piper PA-22, PA-22-108
- B) Aeronca 7ECA, 7GCAA, 7GCBC, 7SRS, Citabria 1964 and later, Aeronca 8KCAB Decathlon, serial numbers 1 and up
- C) 1963 Cessna 150C, 1964-65 Cessna 150D, 150E

Specifications

- External
- Single cylinder
- Single piston
- Organic lining



#	Description	Quantity per Assembly A	B	C	Part #	Price
A	Cleveland Brake Assembly	↓			030-01800	**$2,686.10**
B	Cleveland Brake Assembly		↓		030-01901	**$3,344.75**
C	Cleveland Brake Assembly			↓	030-04000	**CALL**
1	Cylinder Assembly	1			091-00701	**CALL**
	Cylinder Assembly		1	1	091-00702	**$761.10**
	Cylinder	1	1	1	061-00601	**$1,097.82**
2	Piston Assembly	1	1	1	092-00200	**$101.13**
	Piston	1	1	1	062-00300	**$196.80**
3	O-Ring (AN6227-23)	1	1	1	MS28775-218	**$3.54**
4	Anchor Bolt	2	2	2	069-00400	**$56.42**
5	Nut	2	2	2	MS21044N4	**$0.30**
6	Washer (AN960-416)	2	2	2	NAS1149F0463P	**$0.06**
7	Washer	2	2	2	NAS1149F0432P	**$0.04**
8	Bleeder Screw	1	1	1	079-00300	**$22.34**
9	Bleeder Seat	1	1	1	081-00200	**$35.99**
10	Bleeder Cap	1	1	1	183-00100	**$5.65**
11	90° Elbow (AN822-4D)	1			MS20822-4D	**$20.00**
	45° Elbow		1	1	MS20823-4D	**$5.40**
12	Pressure Plate Assembly	1	1	1	073-00300	**$187.96**
	Pressure Plate	1	1	1	063-00500	**$219.16**
13	Brake Lining	1	1	1	066-10600	**$16.50**
14	Rivet	3	3	3	105-00200	**$1.45**
15	Back Plate Assembly	1	1	1	074-00200	**$270.43**
	Back Plate	1	1	1	064-00500	**$199.14**
16	Bolt	2		2	AN4H15A	**$1.50**
	Bolt	2			103-11500	**$24.89**
17	Torque Plate Assembly	1			075-01600	**$467.52**
	Torque Plate Assembly	1			075-04900	**CALL**
	Torque Plate Assembly	1			075-02500	**$1,358.67**

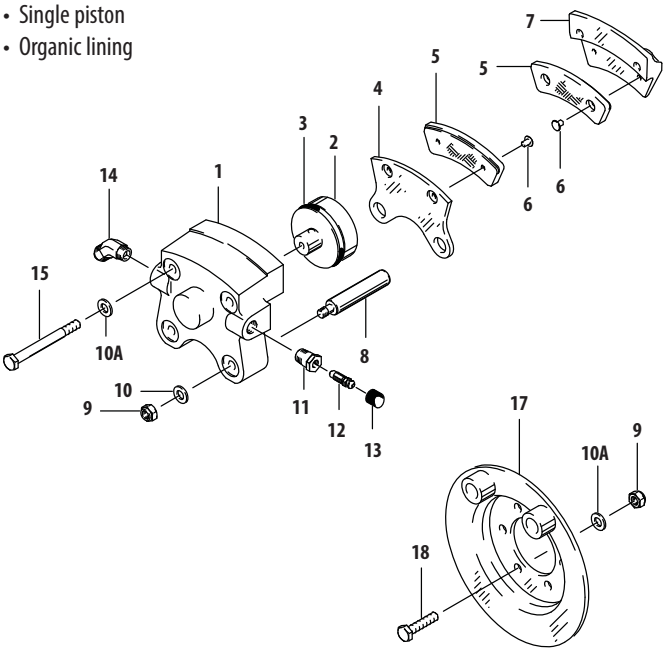
B-4 6” Brake Assembly

Applicability

- Ercoupe 415C, 415CD, 415D, 415E, 415G
- F1 Forney, serial numbers 813 and up

Specifications

- External
- Single cylinder
- Single piston
- Organic lining



#	Description	Quantity per Assembly	Part #	Price
	Cleveland Brake Assembly		030-03000	**CALL**
1	Cylinder Assembly	1	091-08400	**CALL**
	Cylinder	1	061-01900	**$784.84**
2	Piston Assembly	1	092-01700	**$125.81**
	Piston	1	062-01600	**$101.90**
3	O-Ring	1	MS28775-224	**$2.28**
4	Pressure Plate Assembly	1	073-03600	**CALL**
	Pressure Plate	1	063-01200	**$120.83**
5	Brake Lining	1	066-10500	**$17.35**
6	Rivet	2	105-00200	**$1.45**
7	Back Plate Assembly	1	074-02900	**$275.97**
	Back Plate	1	064-01500	**$168.17**
8	Anchor Bolt	2	069-00400	**$56.42**
9	Nut (AN365-428)	8	MS21044N4	**$0.30**
10	Washer	4	NAS1149F0432P	**$0.04**
10A	Washer (AN960-416)	6	NAS1149F0463P	**$0.06**
11	Bleeder Seat	1	081-00100	**$37.60**
12	Bleeder Screw	1	079-00300	**$22.34**
13	Bleeder Cap	1	183-00100	**$5.65**
14	45° Elbow Fitting	1	MS20823-4D	**$5.40**
15	Bolt	2	103-11600	**$14.80**
17	Torque Plate Assembly	1	075-12100	**N/A**
18	Socket Head Screw	6	103-61100	**N/A**

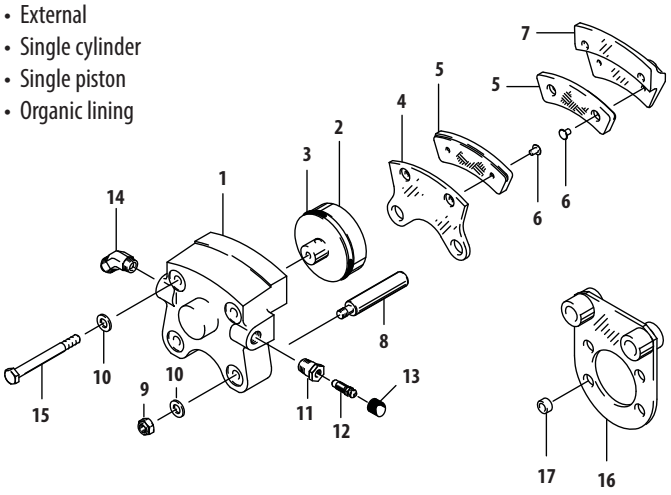
B-5 6” Brake Assemblies

Applicability

- A) Cessna 120, 140, 170, 180, 182 with 6.00-6 tires; 1966 Cessna 150F, 150G, 150H, 150J, serial numbers 61533 and up; to 1970 Cessna 150K, serial numbers 71129 to 72003; 1970 Cessna A150K Aerobat, serial numbers 1 to 226; Mooney M-10 Cadet, serial numbers 690001 and up
- B) Stinson 108

Specifications

- External
- Single cylinder
- Single piston
- Organic lining



#	Description	Quantity per Assembly A	Quantity per Assembly B	Part #	Price
A	Cleveland Brake Assembly	↓		030-06301	**$1,221.56**
B	Cleveland Brake Assembly		↓	030-06315	**N/A**
1	Cylinder Assembly (091-03900)	1	1	091-02200	**$915.84**
	Cylinder Assembly	1		091-12200	**CALL**
	Cylinder	1	1	061-01900	**$784.84**
2	Piston Assembly	1	1	092-01700	**$125.81**
	Piston	1	1	062-01600	**$101.90**
3	O-Ring	1	1	MS28775-224	**$2.28**
4	Pressure Plate Assembly	1		073-01100	**$219.15**
	Pressure Plate	1	1	063-01200	**$120.83**
5	Brake Lining	1	1	066-10500	**$17.35**
6	Rivet	2	2	105-00200	**$1.45**
7	Back Plate Assembly	1		074-01000	**$321.08**
	Back Plate Assembly	1		074-02900	**$275.97**
	Back Plate	1	1	064-01500	**$168.17**
8	Anchor Bolt	2	2	069-00400	**$56.42**
9	Nut (AN365-428)	2	2	MS21044N4	**$0.30**
10	Washer	4	4	NAS1149F0432P	**$0.04**
11	Bleeder Seat	1	1	081-00100	**$37.60**
12	Bleeder Screw	1	1	079-00300	**$22.34**
13	Bleeder Cap	1	1	183-00100	**$5.65**
14	Tube Fitting	1		AN816-4D	**$5.00**
15	Bolt	2	2	103-11600	**$14.80**
16	Torque Plate Assembly	1		075-03700	**$581.72**
	Torque Plate Assembly	1		075-07700	**$857.77**
17	Bushing	2		145-01000	**$28.93**

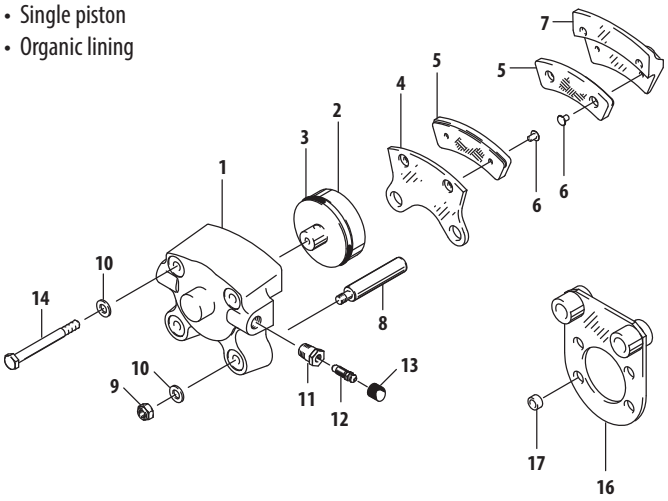
B-6 6" Brake Assembly

Applicability

- Cessna A150 Series Aerobat, serial numbers 227 and up
- Cessna F150 Series Commuter/Reims, serial numbers 530 and up
- Cessna FA150 Series Aerobat/Reims, serial numbers 1 and up

Specifications

- External
- Single cylinder
- Single piston
- Organic lining



#	Description	Quantity per Assembly	Part #	Price
	Cleveland Brake Assembly		030-07500	**$1,928.54**
1	Cylinder Assembly	1	091-04400	**$2,242.62**
	Cylinder	1	061-14100	**$922.51**
2	Piston Assembly	1	092-07500	**CALL**
	Piston	1	062-08000	**CALL**
3	O-Ring (101-05200)	1	MS28775-224	**$2.28**
4	Pressure Plate	1	063-01200	**$120.83**
	Pressure Plate Assembly	1	073-01100	**$219.15**
5	Brake Lining (066-03000)	2	066-10500	**$17.35**
6	Rivet	4	105-00200	**$1.45**
7	Back Plate	1	064-01500	**$168.17**
	Back Plate Assembly	1	074-01000	**$321.08**
8	Anchor Bolt	2	069-02500	**CALL**
9	Nut (AN365-428)	2	MS21044N4	**$0.30**
10	Washer (AN960-416L)	4	NAS1149F0432P	**$0.04**
11	Bleeder Seat	1	081-00100	**$37.60**
12	Bleeder Screw	1	079-00300	**$22.34**
13	Bleeder Cap	1	183-00100	**$5.65**
14	Bolt	2	103-11600	**$14.80**
16	Torque Plate Assembly	1	075-03700	**$581.72**
17	Bushing	2	145-01000	**$28.93**

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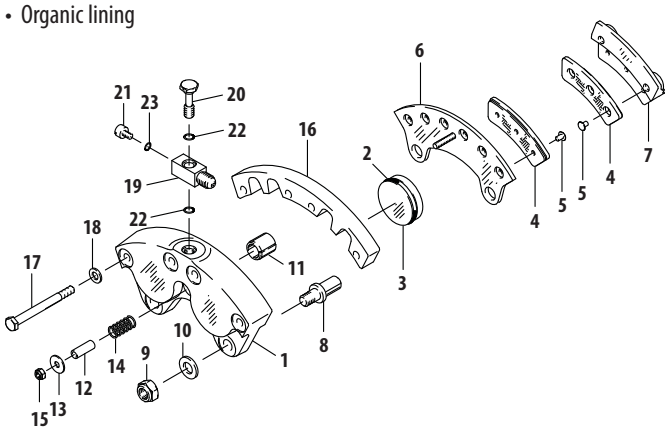
B-7 6" Brake Assembly

Applicability

- Piper PA-24-180, 250 Comanche, serial numbers 1 to 3295
- Piper PA-25 Pawnee C, serial numbers 1 to 2136

Specifications

- External
- Single cylinder
- Dual piston
- Organic lining



#	Description	Quantity per Assembly	Part #	Price
	Cleveland Brake Assembly		030-01200	**CALL**
1	Cylinder Assembly	1	091-00400	**CALL**
	Cylinder	1	061-00300	**$2,203.71**
2	O-Ring (AN6227-23)	2	MS28775-218	**$3.54**
3	Piston Assembly	2	092-00200	**$101.13**
	Piston	2	062-00300	**$196.80**
4	Brake Lining	2	066-10600	**$16.50**
5	Rivet	6	105-00200	**$1.45**
6	Pressure Plate Assembly	1	073-00200	**CALL**
	Pressure Plate	1	184-00100	**$496.02**
7	Back Plate Assembly	2	074-00200	**$270.43**
	Back Plate	2	064-00500	**$199.14**
8	Anchor Bolt	2	069-00200	**$81.64**
9	Nut	2	MS21042-06	**$0.48**
10	Washer	2	NAS1149F0632P	**$0.06**
11	Retract Cylinder	1	071-00100	**$96.88**
12	Spacer	1	067-00400	**$197.51**
13	Washer	1	095-00200	**N/A**
14	Spring	1	082-00500	**$353.51**
15	Nut (AN364-1032)	1	MS21083N3	**$0.22**
16	Shim	1	068-00800	**N/A**
17	Bolt	4	AN4H15A	**$1.50**
18	Washer	4	NAS1149F0432P	**$0.04**
19	Bleeder Body Assembly	1	087-00200	**CALL**
	Bleeder Body	1	077-00200	**N/A**
20	Bleeder Screw	1	079-00200	**N/A**
21	Bleeder Screw	1	079-00100	**$236.51**
22	O-Ring (AN6227-6)	2	MS28775-011	**$0.30**
23	O-Ring (AN6227-3)	1	MS28775-008	**$1.72**

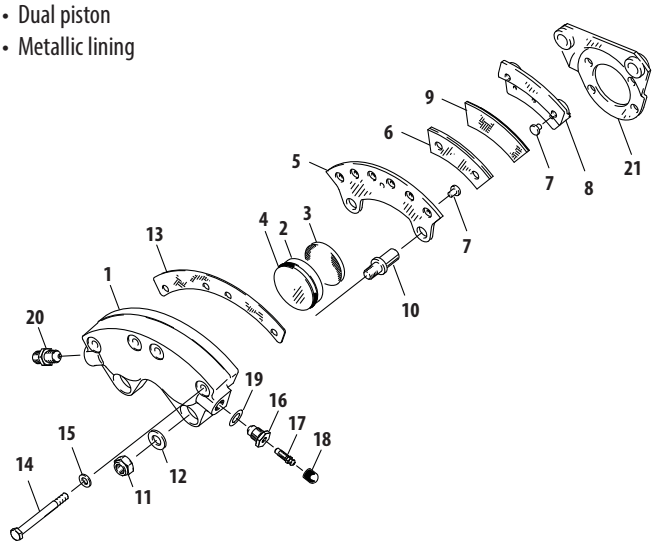
B-8 6” Brake Assembly

Applicability

- Britten-Norman Group BN-2B, BN-2T, 1979 and later

Specifications

- External
- Single cylinder
- Dual piston
- Metallic lining



#	Description	Quantity per Assembly	Part #	Price
	Cleveland Brake Assembly		030-02303	**$2,455.79**
1	Cylinder Assembly	1	091-08600	**CALL**
	Cylinder	1	061-06500	**$1,490.40**
2	Piston Assembly	2	092-00800	**$158.52**
	Piston	2	062-00700	**$180.83**
3	Insulator	2	088-00100	**$25.15**
4	O-Ring	2	MS28775-222	**$2.40**
5	Pressure Plate Assembly	1	073-03800	**CALL**
	Pressure Plate	1	063-00600	**$218.76**
6	Brake Lining	2	066-06500	**$31.35**
7	Pin	4	177-00300	**$19.21**
8	Back Plate Assembly	2	074-02300	**CALL**
	Back Plate	2	064-00500	**$199.14**
9	Brake Lining	2	066-06200	**$27.97**
10	Anchor Bolt	2	069-00200	**$81.64**
11	Nut	2	MS21042-06	**$0.48**
12	Washer	2	NAS1149F0632P	**$0.06**
13	Insulator Shim	1	068-01100	**$84.55**
14	Bolt	4	AN4H16A	**$1.52**
15	Washer	4	NAS1149F0432P	**$0.04**
16	Bleeder Seat	1	081-00200	**$35.99**
17	Bleeder Screw	1	079-00300	**$22.34**
18	Bleeder Cap	1	183-00100	**$5.65**
19	O-Ring (AN6227-7)	2	MS28775-012	**$0.32**
20	Tube Fitting	1	AN919-2D	**$9.90**
21	Torque Plate (supplied by Airframe manufacturer)	–		–

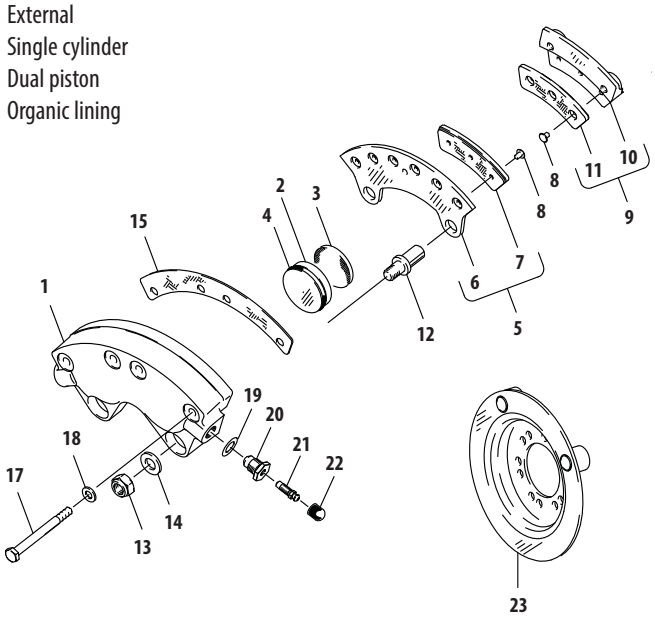
B-9 6” Brake Assembly

Applicability

- Aeronca 8GCBC Scout

Specifications

- External
- Single cylinder
- Dual piston
- Organic lining



#	Description	Quantity per Assembly	Part #	Price
	Cleveland Brake Assembly		030-03202	**CALL**
1	Cylinder Assembly	1	091-10200	**CALL**
	Cylinder	1	061-08300	**CALL**
2	Piston Assembly	2	092-00900	**CALL**
	Piston	2	062-00800	**$262.93**
3	Insulator	2	088-00200	**$43.69**
4	O-Ring (AN6227-23)	2	MS28775-218	**$3.54**
5	Pressure Plate Assembly	1	073-00400	**$324.57**
6	Pressure Plate	1	063-00600	**$218.76**
7	Brake Lining	2	066-10600	**$16.50**
8	Rivet	6	105-00200	**$1.45**
9	Back Plate Assembly	2	074-00200	**$270.43**
10	Back Plate	2	064-00500	**$199.14**
11	Brake Lining	2	066-10600	**$16.50**
12	Anchor Bolt	2	069-00200	**$81.64**
13	Nut	2	MS21042-06	**$0.48**
14	Washer	2	NAS1149F0632P	**$0.06**
15	Insulator Shim	1	068-01100	**$84.55**
17	Bolt	4	103-12000	**$18.87**
18	Washer	4	NAS1149F0432P	**$0.04**
19	O-Ring (AN6227-7)	1	MS28775-012	**$0.32**
20	Bleeder Seat	1	081-00200	**$35.99**
21	Bleeder Screw	1	079-00300	**$22.34**
22	Bleeder Cap	1	183-00100	**$5.65**
23	Torque Plate Assembly	1	075-02101	**N/A**

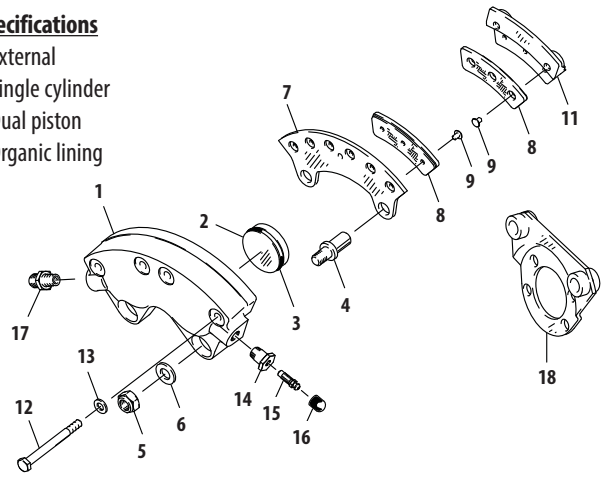
B-10 6" Brake Assembly

Applicability

- A) Piper J-3 to PA-22 with 1.5" axles; PA-24-180, 250, 260, S/N 3296 and up; PA-24-180, 250, S/N 3307 and up; PA-24-260, S/N 3307 and up; PA-25 C, S/N 2137 and up; PA-25 C, starting in 1977
- B) Ercoupe 415[1], S/N 113 to 812; Piper J-3 to PA-20; PA-18-150, S/N 7609137 and up; PA-18A-150, S/N 7609137 and up

Specifications

- External
- Single cylinder
- Dual piston
- Organic lining



#	Description	Quantity per Assembly A	B	Part #	Price
A	Cleveland Brake Assembly	↓		030-04102*	**$2,539.31**
B	Cleveland Brake Assembly		↓	030-06001	**$4,291.81**
1	Cylinder Assembly (091-01600)	1		091-08800	**$2,084.54**
	Cylinder Assembly (091-08900)		1	091-08901	**CALL**
	Cylinder (061-00700)	1		061-06600	**$1,548.40**
	Cylinder (061-06700)		1	061-06701	**$1,775.24**
2	Piston Assembly	2		092-00200	**$101.13**
	Piston Assembly		2	092-00700	**CALL**
	Piston	2		062-00300	**$196.80**
	Piston		2	062-00600	**$171.42**
3	O-Ring	2		MS28775-218	**$3.54**
	O-Ring (AN6227-27)		2	MS28775-222	**$2.40**
4	Anchor Bolt	2	2	069-00200	**$81.64**
5	Nut	2	2	MS21042-06	**$0.48**
6	Washer	2	2	NAS1149F0632P	**$0.06**
7	Pressure Plate Assembly	1		073-00400	**$324.57**
	Pressure Plate Assembly		1	073-04100	**CALL**
	Pressure Plate	1	1	063-00600	**$218.76**
8	Brake Lining	2	2	066-10600	**$16.50**
9	Rivet	6	6	105-00200	**$1.45**
11	Back Plate Assembly	2		074-00200	**$270.43**
	Back Plate Assembly		2	074-02700	**CALL**
	Back Plate	2	2	064-00500	**$199.14**
12	Bolt	4	4	AN4H15A	**$1.50**
13	Washer	4	4	NAS1149F0432P	**$0.04**
14	Bleeder Seat	1	1	081-00100	**$37.60**
15	Bleeder Screw	1	1	079-00300	**$22.34**
16	Bleeder Cap	1	1	183-00100	**$5.65**
17	Tube Fitting	1		AN816-4D	**$5.00**
18	Torque Plate Assembly	1		075-12500	**$528.36**

* 030-04102 supersedes 030-04000

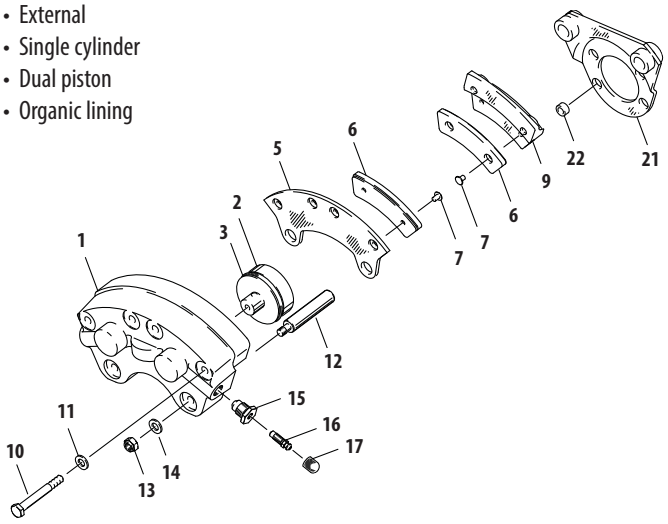
B-11 6" Brake Assembly

Applicability

- Cessna 180, 185, 206

Specifications

- External
- Single cylinder
- Dual piston
- Organic lining



#	Description	Quantity per Assembly	Part #	Price
	Cleveland Brake Assembly		030-05200	**$1,824.70**
1	Cylinder	1	061-01800	**$818.92**
	Cylinder Assembly	1	091-02100	**$1,567.96**
2	Piston	2	062-01500	**$84.51**
	Piston Assembly	2	092-01600	**$115.74**
3	O-Ring	2	MS28775-222	**$2.40**
5	Pressure Plate Assembly	1	073-01000	**$320.15**
	Pressure Plate	1	063-01100	**$79.50**
6	Brake Lining	2	066-10500	**$17.35**
7	Rivet	4	105-00200	**$1.45**
9	Back Plate Assembly	2	074-01000	**$321.08**
	Back Plate	2	064-01500	**$168.17**
10	Bolt	4	103-11800	**$12.85**
11	Washer (AN960-416)	4	NAS1149F0463P	**$0.06**
12	Anchor Bolt	2	069-00400	**$56.42**
13	Nut (AN365-428)	2	MS21044N4	**$0.30**
14	Washer	2	NAS1149F0432P	**$0.04**
15	Bleeder Seat	1	081-00100	**$37.60**
16	Bleeder Screw	1	079-00300	**$22.34**
17	Bleeder Cap	1	183-00100	**$5.65**
21	Torque Plate Assembly	1	075-01500	**$415.99**
22	Bushing	2	145-01000	**$28.93**

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See details on page 3

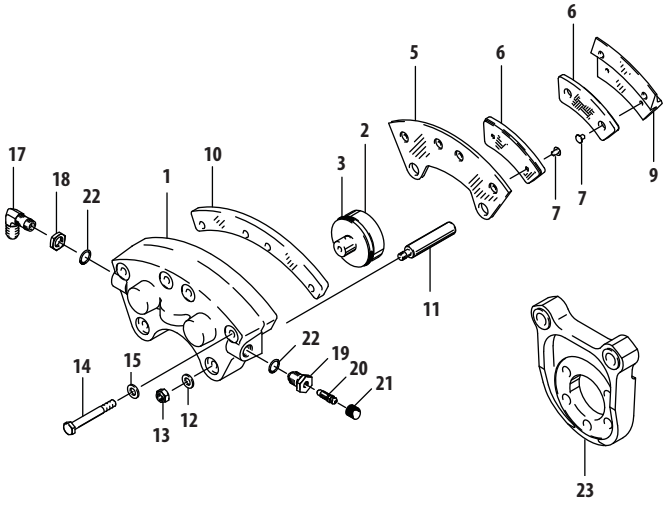
B-12 8" Brake Assembly

Applicability

- Navion, serial numbers A to H

Specifications

- External
- Single cylinder
- Dual piston
- Organic lining



#	Description	Quantity	Part #	Price
	Cleveland Brake Assembly		030-06602	**CALL**
1	Cylinder	1	061-02200	**$1,334.56**
	Cylinder Assembly	1	091-03500	**CALL**
2	Piston	2	062-01500	**$84.51**
	Piston Assembly	2	092-01600	**$115.74**
3	O-Ring	2	MS28775-222	**$2.40**
5	Pressure Plate Assembly	1	073-02100	**$630.27**
	Pressure Plate	1	063-01400	**$281.63**
6	Brake Lining	2	066-11000	**$48.18**
7	Rivet	4	105-00200	**$1.45**
9	Back Plate Assembly	2	074-01700	**$422.70**
	Back Plate	2	064-01700	**$263.15**
10	Back Plate Shim	1	068-02500	**$402.57**
11	Anchor Bolt	2	069-00400	**$56.42**
12	Washer	2	NAS1149F0432P	**$0.04**
13	Nut (AN365-428)	2	MS21044N4	**$0.30**
14	Bolt	4	103-11800	**$12.85**
15	Washer (AN960-416)	4	NAS1149F0463P	**$0.06**
17	Tube Fitting	1	AN833-4D	**$11.44**
18	Nut (094-90500)	1	AN924-4D	**$2.14**
19	Bleeder Seat	1	081-00200	**$35.99**
20	Bleeder Screw	1	079-00300	**$22.34**
21	Bleeder Cap	1	183-00100	**$5.65**
22	O-Ring (AN6227-7)	2	MS28775-012	**$0.32**
23	Torque Plate Assembly	1	075-09800	**N/A**

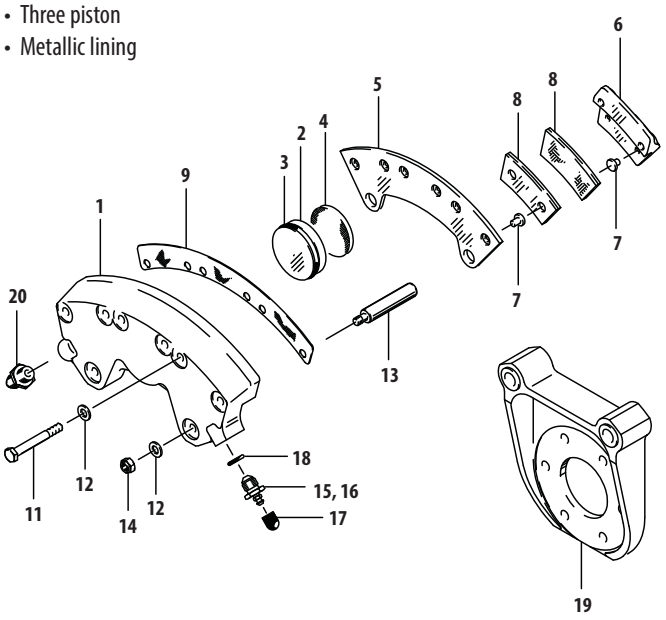
B-13 10" Brake Assembly

Applicability

- Cessna 190, 195, 195A

Specifications

- External
- Single cylinder
- Three piston
- Metallic lining



#	Description	Quantity	Part #	Price
	Cleveland Brake Assembly		030-02803	**CALL**
1	Cylinder	1	061-02600	**$2,083.12**
	Cylinder Assembly	1	091-01003	**N/A**
2	Piston	3	062-00700	**$180.83**
	Piston Assembly	3	092-00800	**$158.52**
3	O-Ring	3	MS28775-222	**$2.40**
4	Insulator	3	088-00100	**$25.15**
5	Pressure Plate	1	063-00700	**CALL**
	Pressure Plate Assembly	1	073-00500	**$383.70**
6	Back Plate	3	064-02700	**CALL**
	Back Plate Assembly	3	074-00500	**$669.40**
7	Pin	6	177-00400	**$26.37**
8	Brake Lining	6	066-03300	**$22.18**
9	Back Plate Shim	1	068-01600	**$130.07**
11	Bolt	6	103-12000	**$18.87**
12	Washer	8	NAS1149F0432P	**$0.04**
13	Anchor Bolt	2	069-00400	**$56.42**
14	Nut (AN365-428)	2	MS21044N4	**$0.30**
15	Bleeder Seat	1	081-00200	**$35.99**
16	Bleeder Screw	1	079-00300	**$22.34**
17	Bleeder Cap	1	183-00100	**$5.65**
18	O-Ring (AN6227-7)	2	MS28775-012	**$0.32**
19	Torque Plate Assembly	1	075-08900	**$2,341.18**
20	Tube Fitting	1	AN815-4D	**$5.70**

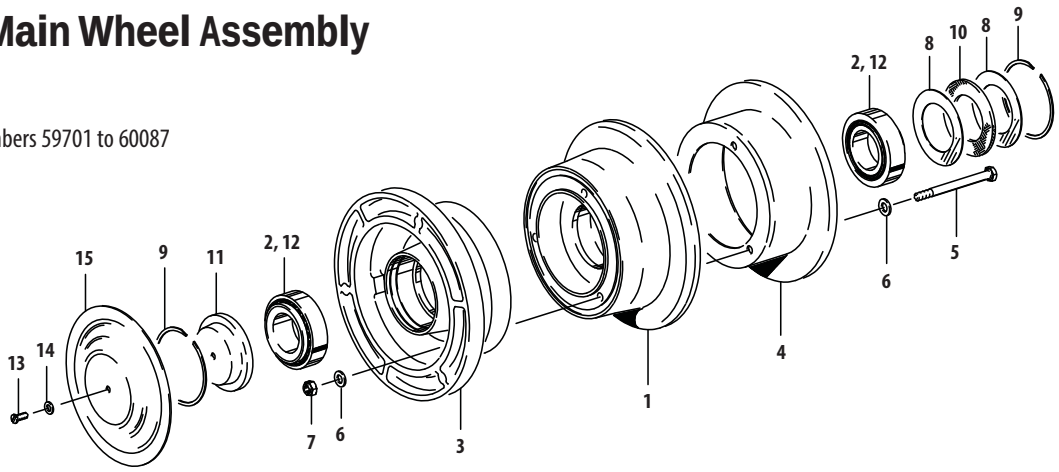
W-1 5.00-5 Main Wheel Assembly

Applicability

- 1963 Cessna 150C, serial numbers 59701 to 60087

Specifications

- External
- Tube type tire



#	Description	Quantity	Part #	Price
	Cleveland Wheel Assembly		040-01900	**CALL**
1	Inner Wheel Half	1	—	**N/A**
2	Bearing Cup	2	08231	**$31.18**
3	Outer Wheel Half	1	—	**N/A**
4	Brake Disc	1	164-00400	**$258.13**
5	Bolt	3	AN4-31A	**$0.92**
6	Washer (AN960-416)	6	NAS1149F0463P	**$0.06**
7	Nut (AN365-428)	3	MS21044N4	**$0.30**
8	Grease Seal Ring	2	153-00800	**$16.36**
9	Snap Ring	2	155-00200	**$24.06**
10	Grease Seal Felt	1	154-00600	**$20.05**
11	Hub Cap	1	158-00500	**$454.15**
12	Bearing Cone	2	08125	**$49.98**
13	Slotted Truss Head Screw	1	AN526-1024-8	**$0.06**
14	Lock Washer	1	MS35333-39	**$0.06**
15	Dust Shield	1	157-00500	**$138.39**

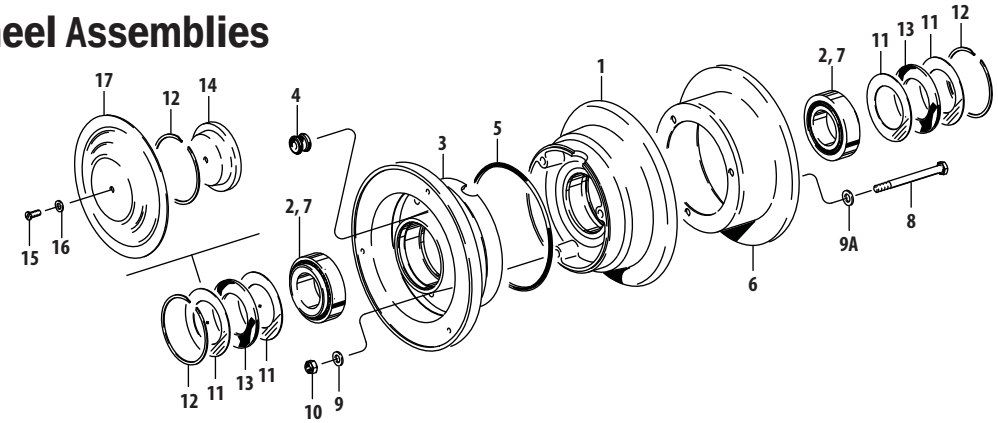
W-2 5.00-5 Main Wheel Assemblies

Applicability

A) 1961-62 Cessna 150A, 150B, S/N 59119 to 59700
B) 1964-65 Cessna 150D, 150E, S/N 60088 to 61532
C) Aeronca 7ACA Champ, 1971 and later; Piper PA-38-112

Specifications

- External
- Tubeless and tube type tire



#	Description	A	B	C	Part #	Price
A	Cleveland Wheel Assembly*	↓			040-01200	**CALL**
B	Cleveland Wheel Assembly**		↓		040-07800	**$3,959.35**
C	Cleveland Wheel Assembly**			↓	040-07802	**$3,039.44**
1	Inner Wheel Half Assembly	1			161-00500	**CALL**
	Inner Wheel Half Assembly	1		1	161-03100	**$800.13**
2	Bearing Cup	2	2	2	08231	**$31.18**
3	Outer Wheel Half Assembly	1			162-00500	**N/A**
	Outer Wheel Half Assembly	1		1	162-02800	**$754.88**
4	Grommet	1		1	MS35489-14	**$0.78**
5	O-Ring	1			MS28775-244	**$5.28**
6	Brake Disc	1			164-00400	**$258.13**
	Brake Disc	1		1	164-01700	**$247.47**
	Brake Disc (Chrome)	1		1	164-11700	**$418.70**
7	Bearing Cone	2	2	2	08125	**$49.98**
8	Bolt	3			AN4-31A	**$0.92**
	Bolt	3		3	AN4-22A	**$0.48**
9	Washer (AN960-416)	6	3	3	NAS1149F0463P	**$0.06**
10	Nut (AN365-428)	3	3	3	MS21044N4	**$0.30**
11	Grease Seal Ring	2	4	4	153-00800	**$16.36**
12	Snap Ring	2	2	2	155-00200	**$24.06**
13	Grease Seal Felt	1	2	2	154-00600	**$20.05**
14	Hub Cap	1			158-00500	**$454.15**
15	Screw	1			AN526-1024-8	**$0.06**
16	Lock Washer	1			MS35333-39	**$0.06**
17	Dust Shield	1			157-00500	**$138.39**

* Use tubeless tires
** Use tube type tires

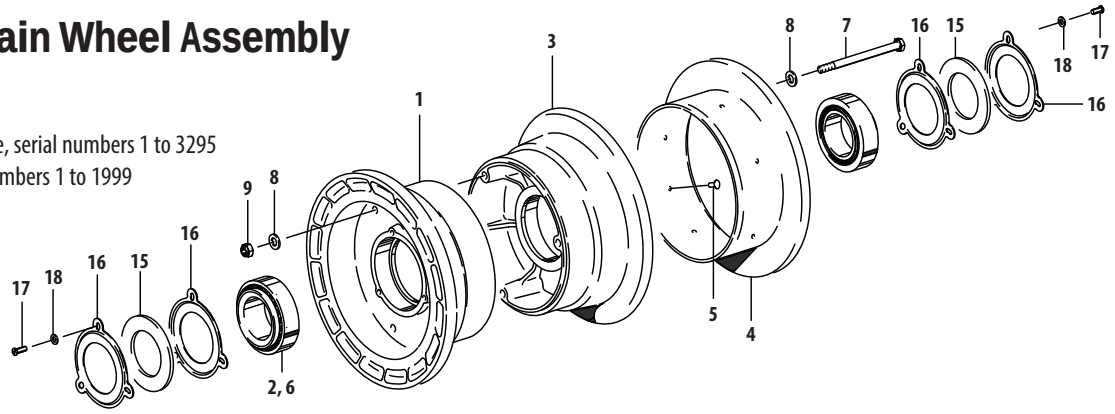
W-3 6.00-6 Main Wheel Assembly

Applicability

- Piper PA-24-108, 250 Comanche, serial numbers 1 to 3295
- Piper PA-25 Pawnee C, serial numbers 1 to 1999

Specifications

- External
- Tube type tire



#	Description	Quantity	Part #	Price
	Cleveland Main Wheel Assembly*		040-00500	**N/A**
1	Outer Wheel Half Assembly	1	162-00600	**$2,017.63**
2	Bearing Cup	2	13836	**$36.98**
3	Inner Wheel Half Assembly	1	161-00900	**N/A**
4	Brake Disc	1	159-00204	**$784.08**
	Brake Disc with Rivets	1	159-00104	**$919.19**
5	Rivet	8	105-00100	**$10.07**
6	Bearing Cone	2	13889	**$79.98**
7	Bolt	3	AN4-36A	**$1.00**
8	Washer (AN960-416)	6	NAS1149F0463P	**$0.06**
9	Nut (AN365-428)	3	MS21044N4	**$0.30**
15	Grease Seal Felt	2	154-00400	**$34.28**
16	Grease Seal Ring	4	153-00500	**$47.82**
17	Screw	6	MS35265-45	**$0.36**
18	Lock Washer	6	MS35333-38	**$0.04**

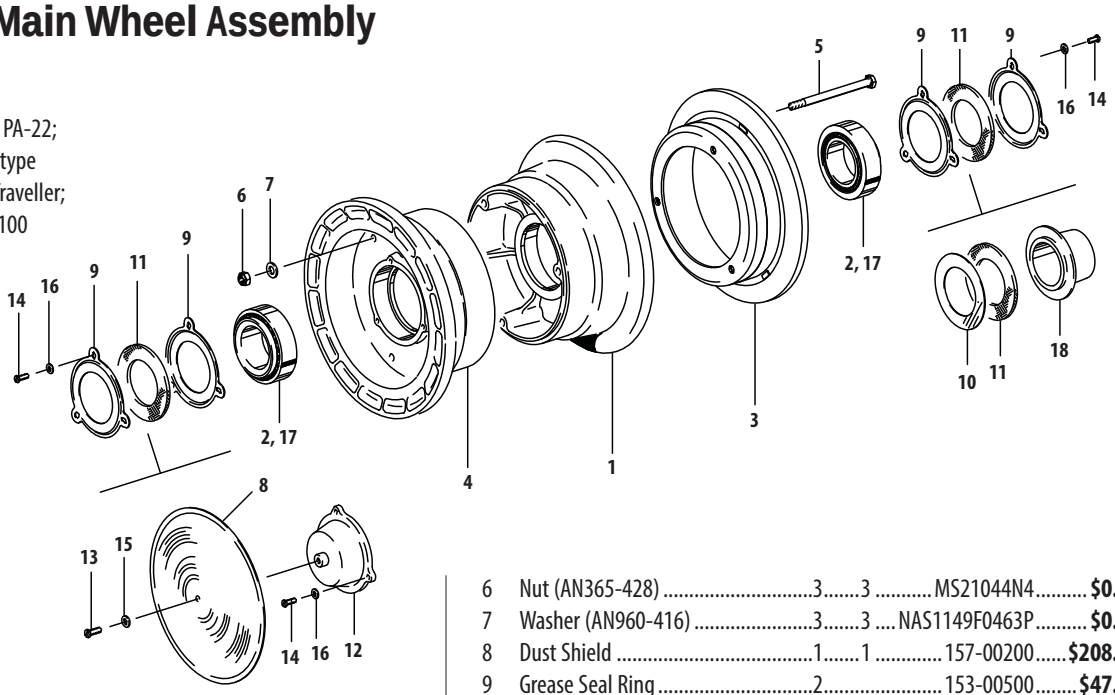
W-4 6.00-6 Main Wheel Assembly

Applicability

- A) Aeronca 7AC to 7EC; Piper PA-22; Stinson 108, drum and shoe type
- B) Aeronca 7AC to 7EC, 7GC Traveller; Taylorcraft F-19, Sportsman 100

Specifications

- External
- Tube type tire
- Hydraulic or mechanical



#	Description	A	B	Part #	Price
A	Hydraulic Main Wheel Assembly	↓		3040	**CALL**
B	Mechanical Main Wheel Assembly		↓	3050	**N/A**
1	Inner Wheel Half Assembly	1	1	161-01600	**$1,970.89**
2	Bearing Cup	2	2	13836	**$36.98**
3	Brake Drum Assembly	1		169-00101	**CALL**
	Brake Drum Assembly		1	169-00201	**CALL**
4	Outer Wheel Half Assembly	1	1	162-00600	**$2,017.63**
5	Bolt	3	3	AN4-36A	**$1.00**
6	Nut (AN365-428)	3	3	MS21044N4	**$0.30**
7	Washer (AN960-416)	3	3	NAS1149F0463P	**$0.06**
8	Dust Shield	1	1	157-00200	**$208.83**
9	Grease Seal Ring	2		153-00500	**$47.82**
10	Grease Seal Ring		1	153-00300	**$17.06**
11	Grease Seal Felt	1		154-00400	**$34.28**
	Grease Seal Felt		1	154-00500	**$34.28**
12	Hub Cap	1	1	158-01000	**$497.68**
13	Screw	1	1	AN526-1024-8	**$0.06**
14	Screw	6	3	MS35265-45	**$0.36**
15	Washer Lock	1	1	MS35333-39	**$0.06**
16	Washer Lock (095-15100)	6	3	MS35333-38	**$0.04**
17	Bearing Cone	2	2	13889	**$79.98**
18	Inner Shoulder Spacer	1		067-00300	**N/A**

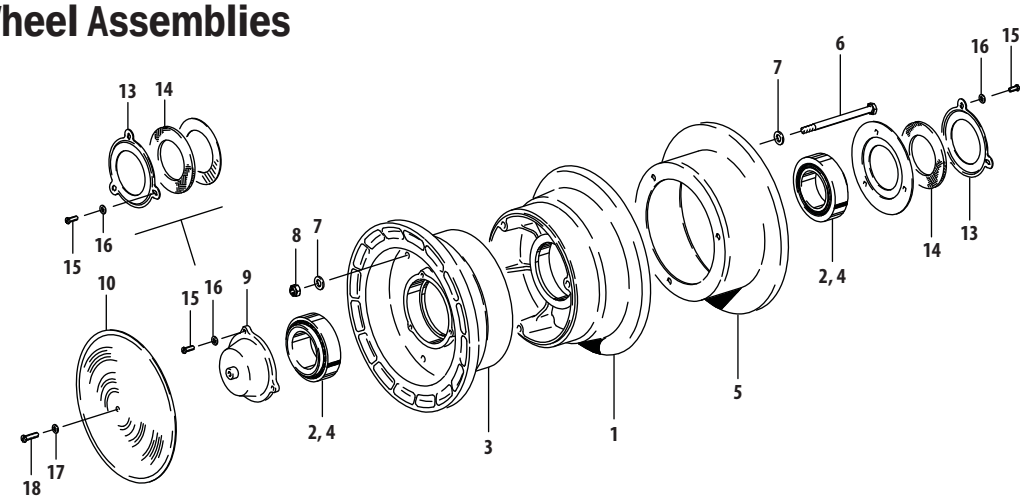
W-5 6.00-6 Main Wheel Assemblies

Applicability

- A) Piper PA-22-108 Colt, Piper PA-22 Series
- B) Aeronca 7ECA, 7GCAA, 7GCBC, 7SRS, 1964 and later; 7ACA, 1971; 8KCAB, serial numbers 1 and up

Specifications

- External
- Tube type tire



#	Description	A	B	Part #	Price
A	Cleveland Wheel Assembly	↓		040-02800	**$6,437.81**
B	Cleveland Wheel Assembly		↓	040-02804	**$5,095.97**
1	Inner Wheel Half Assembly	1	1	161-01600	**$1,970.89**
2	Bearing Cup	2	2	13836	**$36.98**
3	Outer Wheel Half Assembly	1	1	162-00600	**$2,017.63**
4	Bearing Cone	2	2	13889	**$79.98**
5	Brake Disc	1	1	164-00500	**$246.62**
	Brake Disc, Chrome	1	1	164-10500	**$742.91**
6	Bolt	3	3	AN4-36A	**$1.00**
7	Washer (AN960-416)	3	3	NAS1149F0463P	**$0.06**
8	Nut (AN365-428)	3	3	MS21044N4	**$0.30**
9	Hub Cap	1		158-01000	**$497.68**
10	Dust Shield	1		157-00200	**$208.83**
13	Grease Seal Ring	2	4	153-00500	**$47.82**
14	Grease Seal Felt	2		154-00500	**$34.28**
	Grease Seal Felt	1		154-00400	**$34.28**
15	Screw	6	6	MS35265-45	**$0.36**
16	Lock Washer	6	6	MS35333-38	**$0.04**
17	Lock Washer	1		MS35333-39	**$0.06**
18	Screw	1		AN526-1024-8	**$0.06**

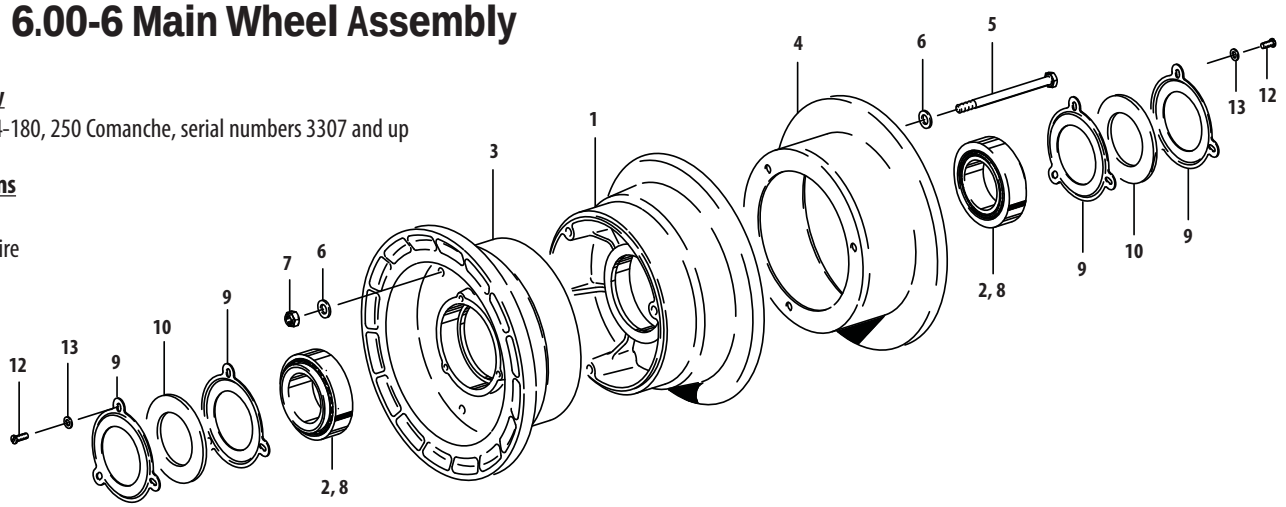
W-6 6.00-6 Main Wheel Assembly

Applicability

- Piper PA-24-180, 250 Comanche, serial numbers 3307 and up

Specifications

- External
- Tube type tire



#	Description	Quantity	Part #	Price
	Cleveland Wheel Assembly		040-05800	**N/A**
1	Inner Wheel Half Assembly	1	161-01600	**$1,970.89**
2	Bearing Cup	2	13836	**$36.98**
3	Outer Wheel Half Assembly	1	162-00600	**$2,017.63**
4	Brake Disc	1	164-00900	**$289.90**
	Brake Disc, Chrome	1	164-10900	**$434.97**
5	Bolt	3	AN4-36A	**$1.00**
6	Washer (AN960-416)	3	NAS1149F0463P	**$0.06**
7	Nut (AN365-428)	3	MS21044N4	**$0.30**
8	Bearing Cone	2	13889	**$79.98**
9	Grease Seal Ring	4	153-00500	**$47.82**
10	Grease Seal Felt	2	154-00400	**$34.28**
12	Screw	6	MS35265-45	**$0.36**
13	Lock Washer	6	MS35333-38	**$0.04**

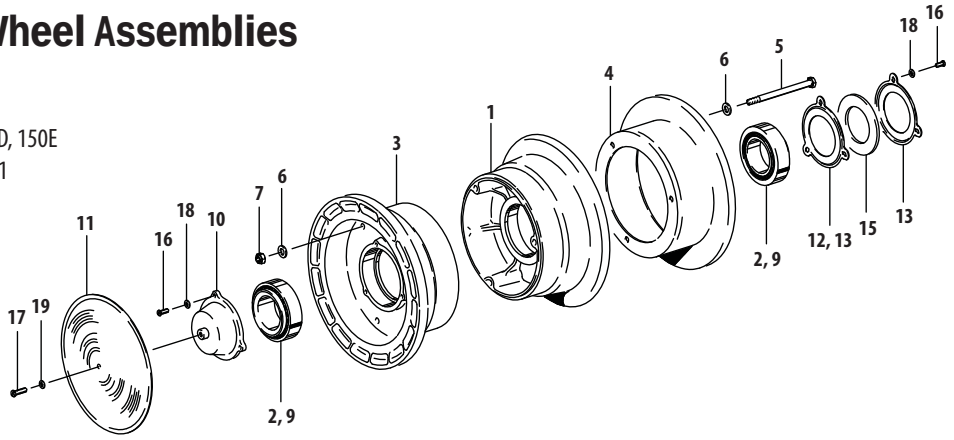
W-7 6.00-6 Main Wheel Assemblies

Applicability

- A) 1963 Cessna 150C; 1964-65 Cessna 150D, 150E
- B) Piper PA-25 Pawnee C, S/N 2000 to 4171

Specifications

- External
- Tube type tire



#	Description	A	B	Part #	Price
A	Cleveland Wheel Assembly	↓		040-05700	*
B	Cleveland Wheel Assembly		↓	040-06100	**CALL**
1	Inner Wheel Half Assembly	1		161-02500	**CALL**
	Inner Wheel Half Assembly		1	161-01600	**$1,970.89**
2	Bearing Cup	2	2	13836	**$36.98**
3	Outer Wheel Half Assembly	1		162-01000	**CALL**
	Outer Wheel Half Assembly		1	162-00600	**$2,017.63**
4	Brake Disc	1		164-00500	**$246.62**
	Brake Disc		1	164-01300	**$431.19**
5	Bolt	3		AN4-40A	**$2.00**
	Bolt		3	AN4-36A	**$1.00**
6	Washer (AN960-416)	6	6	NAS1149F0463P	**$0.06**
7	Nut (AN365-428)	3	3	MS21044N4	**$0.30**
9	Bearing Cone	2	2	13889	**$79.98**
10	Hub Cap	1		158-01000	**$497.68**
11	Dust Shield	1		157-00300	**N/A**
	Dust Shield		1	157-00200	**$208.83**
12	Grease Seal Plate	1		156-00100	**CALL**
13	Grease Seal Ring	1	2	153-00500	**$47.82**
15	Grease Seal Felt	1	1	154-00400	**$34.28**
16	Screw	6	6	MS35265-45	**$0.36**
17	Screw	1	1	AN526-1024-8	**$0.06**
18	Lock Washer	6	6	MS35333-38	**$0.04**
19	Lock Washer	1	1	MS35333-39	**$0.06**

* Part number 040-07900 supersedes 040-05700; see W-9 for parts and prices

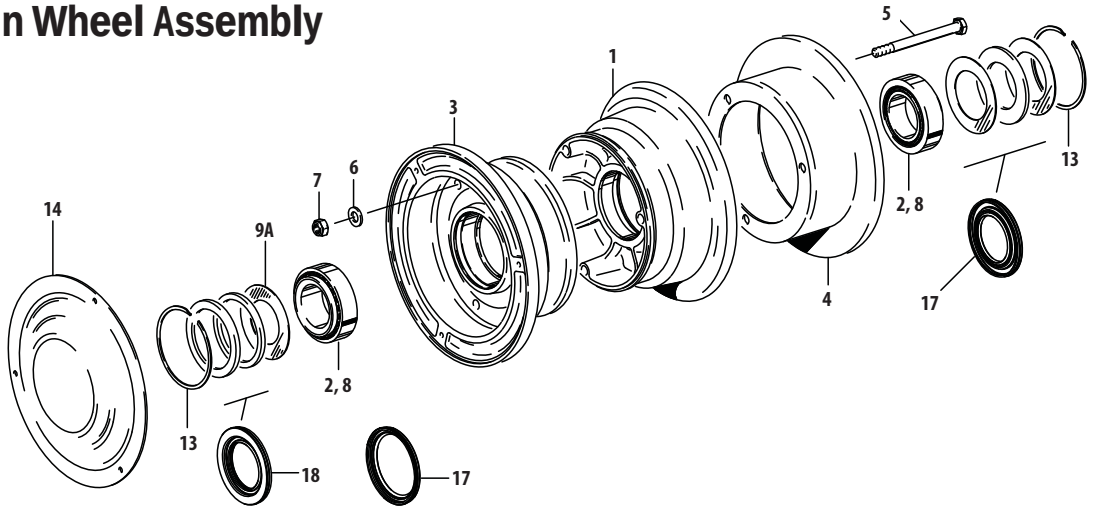
W-8 6.00-6 Main Wheel Assembly

Applicability

- Cessna 180, 185, 206

Specifications

- External
- Tube type tire



#	Description	Quantity	Part #	Price
	Cleveland Wheel Assembly		040-07504	**$1,957.99**
1	Inner Wheel Half Assembly	1	161-03000	**$730.38**
2	Bearing Cup	2	13836	**$36.98**
3	Outer Wheel Half Assembly	1	162-02700	**$642.94**
4	Brake Disc	1	164-03601	**$213.52**
5	Bolt	3	AN5-35A	**$1.56**
6	Washer	3	NAS1149F0532P	**$0.05**
7	Nut (AN365-524)	3	MS21044N5	**$0.50**
8	Bearing Cone	2	13889	**$79.98**
9A	Grease Seal Ring	1	153-00300	**$17.06**
13	Snap Ring	2	155-00200	**$24.06**
14	Dust Shield	1	U1680-02	**$37.47**
17	Molded Grease Seal	1	154-12000	**$72.32**
18	Molded Grease Seal	1	154-12400	**$50.29**

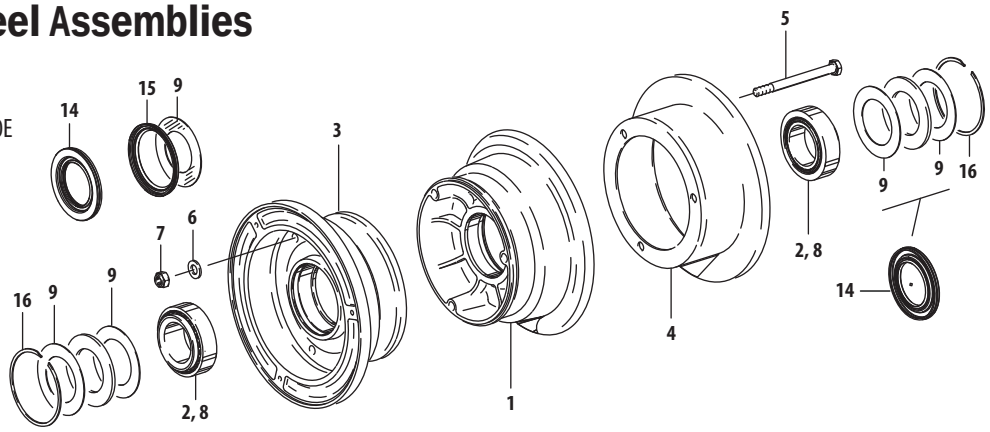
W-9 6.00-6 Main Wheel Assemblies

Applicability

- A) 1963 Cessna 150C, 1964-65 Cessna 150D, 150E
- B) Piper J-3 to PA-22 with 1.5" axles; PA-24-260 Comanche, serial numbers 3307 and up
- C) Piper PA-25 Pawnee C, serial numbers 4172 and up

Specifications

- External
- Tube type tire



#	Description	A	B	C	Part #	Price
A	Cleveland Wheel Assembly	↓			040-07900*	**CALL**
B	Cleveland Wheel Assembly		↓		040-08400	**$3,759.72**
C	Cleveland Wheel Assembly			↓	040-08401	**$2,807.46**
1	Inner Wheel Half Assembly	1		1	161-03000	**$730.38**
	Inner Wheel Half Assembly		1		161-04700	**CALL**
2	Bearing Cup	2	2	2	13836	**$36.98**
3	Outer Wheel Half Assembly	1	1	1	162-02700	**$642.94**
4	Brake Disc	1			164-01600	**$296.76**
	Brake Disc		1		164-01900	**$187.48**
	Brake Disc			1	164-03300	**$223.40**
5	Bolt	3	3	3	AN5-35A	**$1.56**
6	Washer (AN960-516)	3	3	3	NAS1149F0563P	**$0.12**
7	Nut (AN365-524)	3	3	3	MS21044N5	**$0.50**
8	Bearing Cone	2	2	2	13889	**$79.98**
9	Grease Seal Ring	1	1		153-00300	**$17.06**
10	Grease Seal Ring	1	1		153-01500	**$35.22**
14	Molded Grease Seal	1	2		154-12000	**$72.32**
15	Molded Grease Seal	1			154-12400	**$50.29**
16	Snap Ring	2	2	2	155-00100	**$14.71**

* Supersedes part number 040-05700

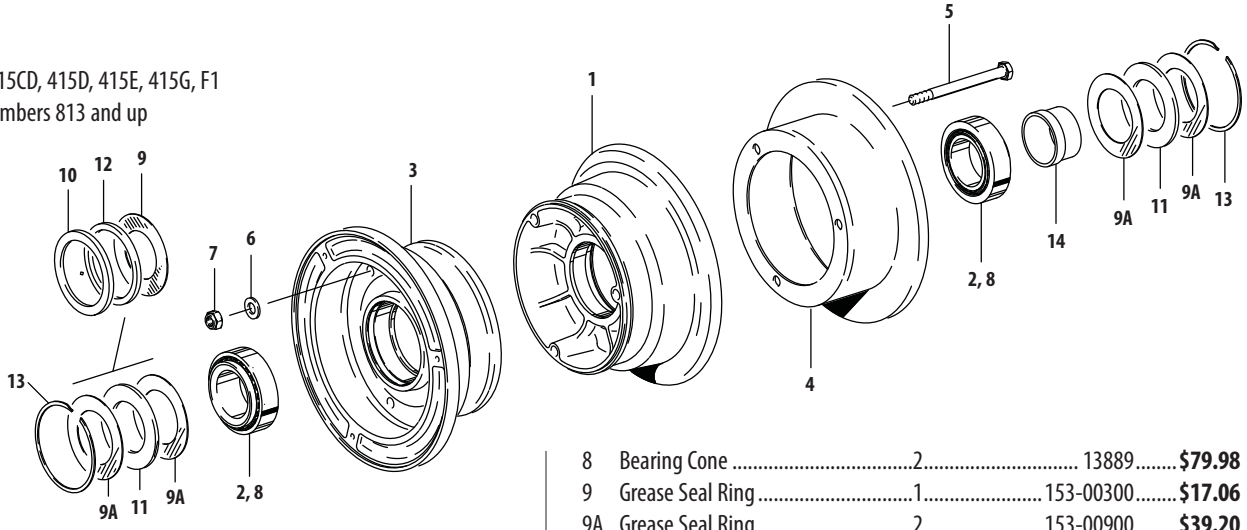
W-10 6.00-6 Main Wheel Assembly

Applicability

- Ercoupe 415C, 415CD, 415D, 415E, 415G, F1 Forney, serial numbers 813 and up

Specifications

- External
- Tube type tire



#	Description	Quantity	Part #	Price
	Cleveland Wheel Assembly		040-04100	**CALL**
1	Inner Wheel Half Assembly	1	161-03000	**$730.38**
2	Bearing Cup	2	13836	**$36.98**
3	Outer Wheel Half Assembly	1	162-02700	**$642.94**
4	Brake Disc	1	164-00300	**$286.59**
5	Bolt	3	AN5-35A	**$1.56**
6	Washer (AN960-516)	3	NAS1149F0563P	**$0.12**
7	Nut (AN365-524)	3	MS21044N5	**$0.50**
8	Bearing Cone	2	13889	**$79.98**
9	Grease Seal Ring	1	153-00300	**$17.06**
9A	Grease Seal Ring	2	153-00900	**$39.20**
10	Grease Seal Ring	1	153-01500	**$35.22**
11	Grease Seal Felt	1	154-00800	**$44.09**
12	Grease Seal Felt	1	154-01300	**$17.74**
13	Snap Ring	2	155-00100	**$14.71**
14	Axle Spacer	1	067-03800	**N/A**
*	Dust Shield (157-00900)	1	U1680-02	**$37.47**
*	Washer	3	MS35333-38	**$0.04**
*	Screw	3	102-00600	**$7.55**

* Not illustrated

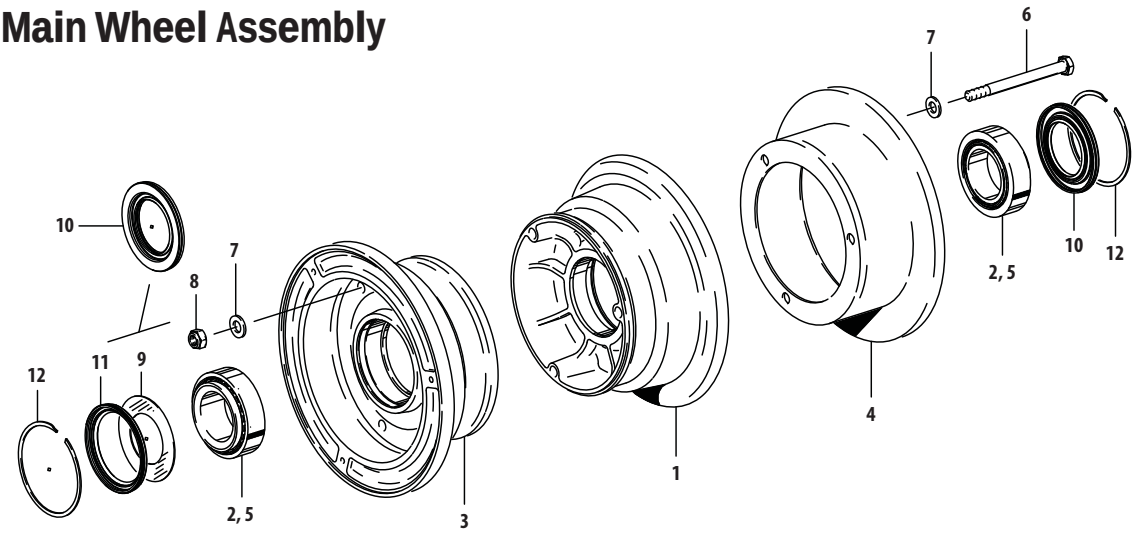
W-11 6.00-6 Main Wheel Assembly

Applicability

- Piper PA-24-400 Comanche, serial numbers 130 and up

Specifications

- External
- Tube type tire



#	Description	Quantity	Part #	Price
	Cleveland Wheel Assembly		040-09000	**$3,296.28**
1	Inner Wheel Half Assembly	1	161-03000	**$730.38**
2	Bearing Cup	2	13836	**$36.98**
3	Outer Wheel Half Assembly	1	162-02700	**$642.94**
4	Brake Disc	1	164-02201	**$240.13**
5	Bearing Cone	2	13889	**$79.98**
6	Bolt	3	AN5-36A	**$1.80**
7	Washer (AN960-516)	6	NAS1149F0563P	**$0.12**
8	Nut (AN365-524)	3	MS21044N5	**$0.50**
9	Grease Seal Ring	2	153-00300	**$17.06**
10	Molded Grease Seal	1	154-12000	**$72.32**
11	Molded Grease Seal	1	154-12400	**$50.29**
12	Snap Ring	2	155-00100	**$14.71**

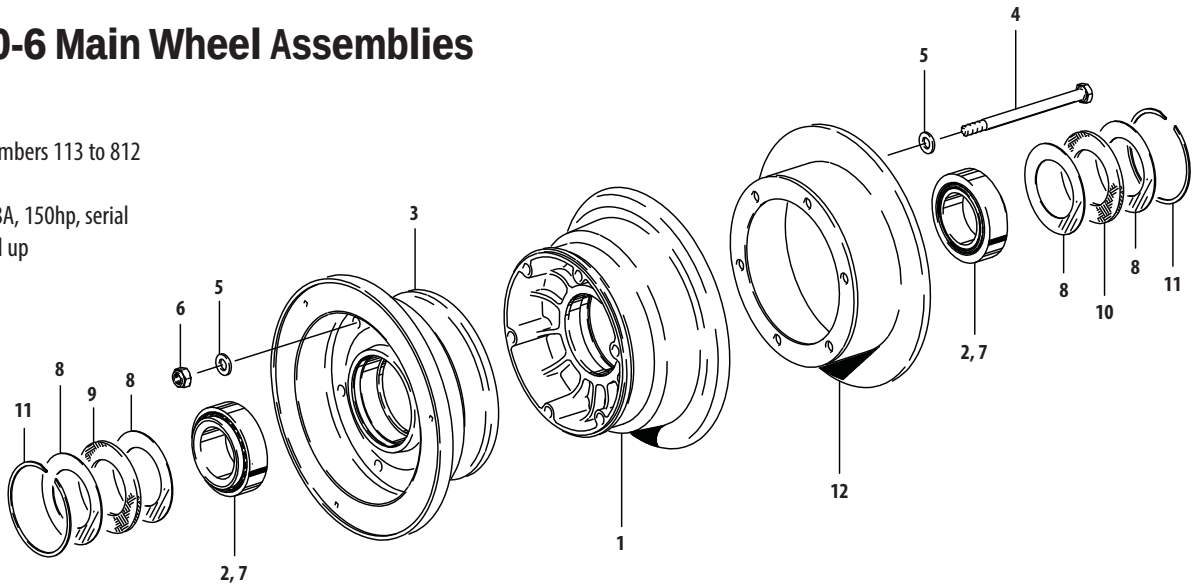
W-12 6.00-6 Main Wheel Assemblies

Applicability

- Ercoupe 415, serial numbers 113 to 812
- Piper J-3 to PA-20
- Piper PA-18 and PA-18A, 150hp, serial numbers 7609137 and up

Specifications

- External
- Tube type tire



#	Description	A	B	Part #	Price
A	Cleveland Wheel Assembly	↓		040-06000	**$4,090.74**
B	Cleveland Wheel Assembly		↓	040-06001	**CALL**
1	Inner Wheel Half Assembly	1		161-07000	**$982.52**
	Inner Wheel Half Assembly		1	161-07001	**N/A**
2	Bearing Cup	2	2	08231	**$31.18**
3	Outer Wheel Half Assembly	1		162-06500	**$1,687.04**
	Outer Wheel Half Assembly		1	162-06501	**$783.76**
4	Bolt	6	6	AN4-36A	**$1.00**
5	Washer	6	6	NAS1149F0432P	**$0.04**
	Washer (AN960-416)	6	6	NAS1149F0463P	**$0.06**
6	Nut (AN365-428)	6	6	MS21044N4	**$0.30**
7	Bearing Cone	2	2	08125	**$49.98**
8	Grease Seal Ring	4	4	153-00200	**$34.28**
9	Grease Seal Felt	1	1	154-00200	**$20.13**
10	Grease Seal Felt	1	1	154-02800	**$25.89**
11	Snap Ring	2	2	155-00200	**$24.06**
12	Brake Disc	1	1	164-06700	**$398.33**

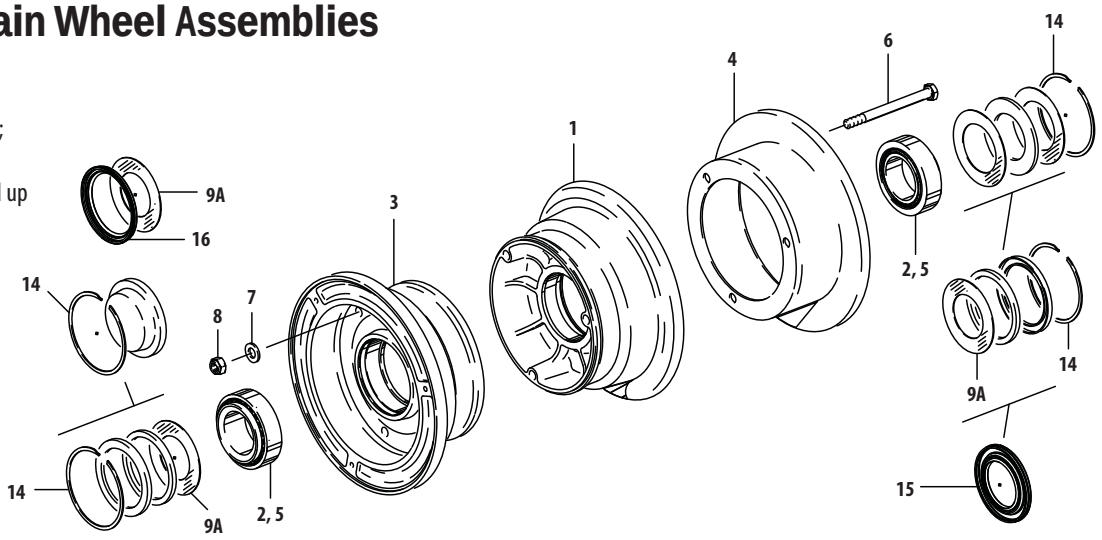
W-13 6.00-6 Main Wheel Assemblies

Applicability

- A) Cessna 120, 140, 170, 180, 182; Cessna 150 Series; Mooney M-10 Cadet, serial numbers 690001 and up
- B) Stinson 108

Specifications

- External
- Tube type tire



#	Description	A	B	Part #	Price
A	Cleveland Wheel Assembly	↓		040-09701	**$1,712.21**
B	Cleveland Wheel Assembly		↓	040-09704	**$2,827.82**
1	Inner Wheel Half Assembly	1	1	161-03000	**$730.38**
2	Bearing Cup	2	2	13836	**$36.98**
3	Outer Wheel Half Assembly	1	1	162-02700	**$642.94**
4	Brake Disc	1	1	164-02601	**$185.93**
5	Bearing Cone	2	2	13889	**$79.98**
6	Bolt	3	3	AN5-35A	**$1.56**
7	Washer (AN960-516)	3	3	NAS1149F0563P	**$0.12**
8	Nut (AN365-524)	3	3	MS21044N5	**$0.50**
9A	Grease Seal Ring	1	1	153-00300	**$17.06**
14	Snap Ring	2	2	155-00100	**$14.71**
15	Molded Grease Seal	1	1	154-12000	**$72.32**
16	Molded Grease Seal	1	1	154-12400	**$50.29**

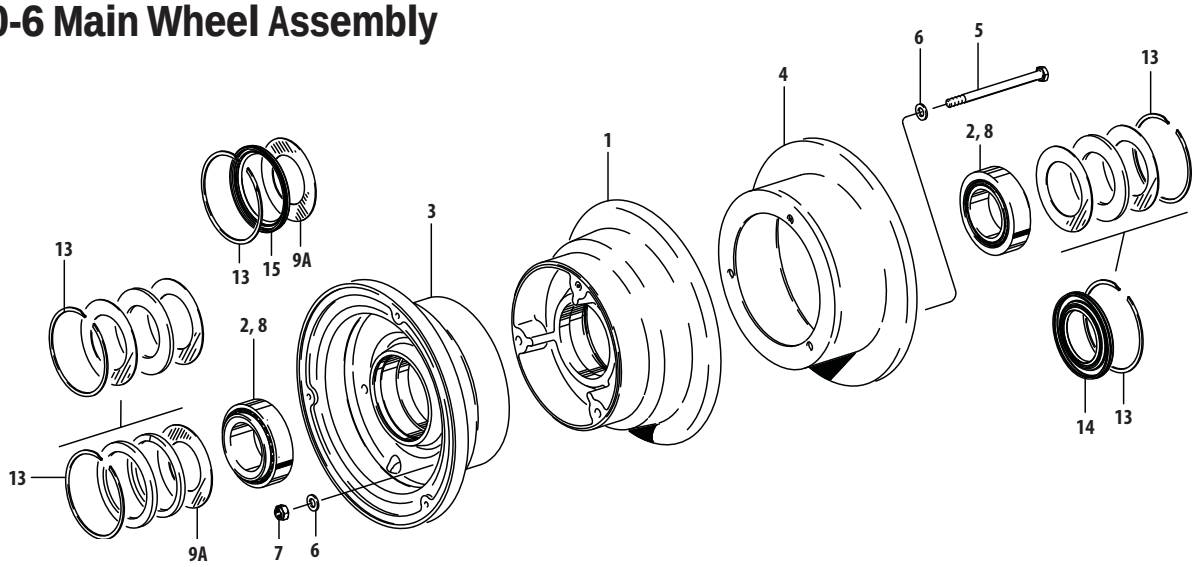
W-14 6.00-6 Main Wheel Assembly

Applicability

- Cessna A150 F150 and FA150 Series, select serial numbers

Specifications

- External
- Tube type tire

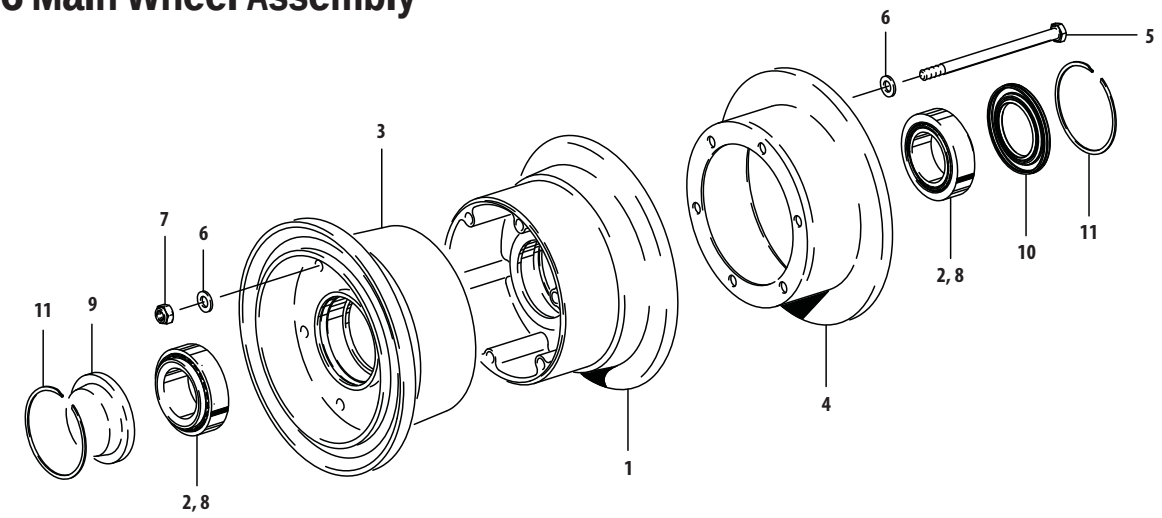


#	Description	Quantity	Part #	Price
	Cleveland Wheel Assembly		040-11300	**$1,652.56**
1	Inner Wheel Half Assembly	1	161-04900	**$884.51**
2	Bearing Cup	2	13836	**$36.98**
3	Outer Wheel Half Assembly	1	162-04700	**$809.14**
4	Brake Disc Assembly	1	164-04000	**$194.90**
5	Bolt	3	AN4-36A	**$1.00**
6	Washer (AN960-416)	6	NAS1149F0463P	**$0.06**
7	Nut (AN365-428)	3	MS21044N4	**$0.30**
8	Bearing Cone	2	13889	**$79.98**
9A	Grease Seal Ring	1	153-00300	**$17.06**
13	Snap Ring	2	155-00100	**$14.71**
14	Molded Grease Seal	1	154-12000	**$72.32**
15	Molded Grease Seal	1	154-12400	**$50.29**

W-15 8.50-6 Main Wheel Assembly

Applicability
- Aeronca 8GCBC Scout

Specifications
- External
- Tube type tire

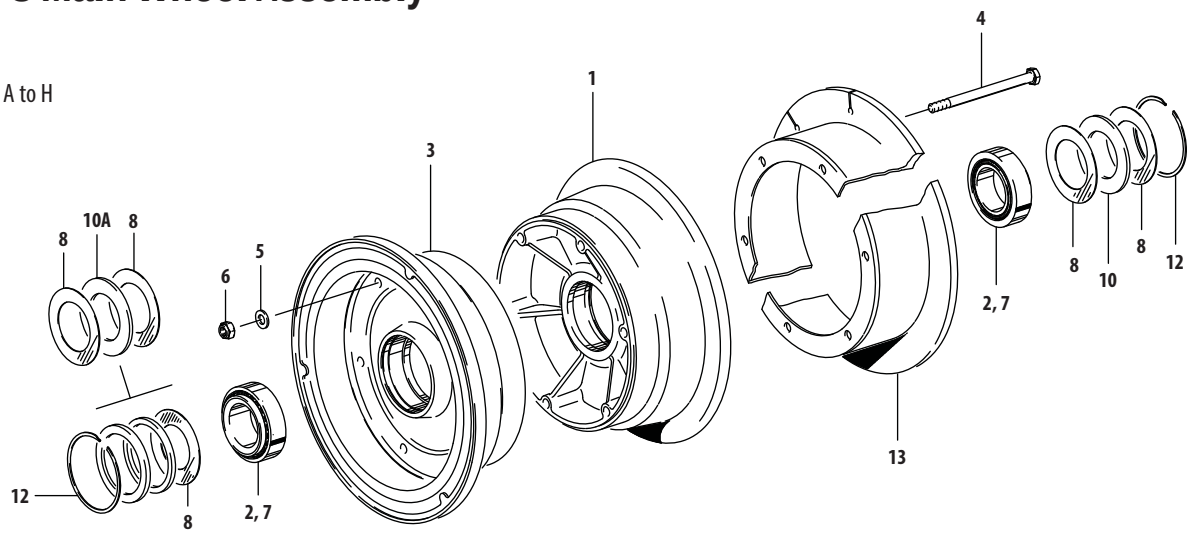


#	Description	Quantity	Part #	Price
	Cleveland Wheel Assembly		040-04700	**$9,173.84**
1	Inner Wheel Half Assembly	1	161-02200	**N/A**
2	Bearing Cup	2	13836	**$36.98**
3	Outer Wheel Half Assembly	1	162-02000	**CALL**
4	Brake Disc	1	164-01100	**$576.04**
5	Bolt	6	AN5-50	**$10.50**
6	Washer (AN960-516)	12	NAS1149F0563P	**$0.12**
7	Nut (AN365-524)	6	MS21044N5	**$0.50**
8	Bearing Cone	2	13889	**$79.98**
9	Hub Cap	1	158-00300	**$141.95**
10	Molded Grease Seal	1	154-12000	**$72.32**
11	Snap Ring	2	155-00100	**$14.71**

W-16 7.00-8 Main Wheel Assembly

Applicability
- Navion, serial numbers A to H

Specifications
- External
- Tube type tire

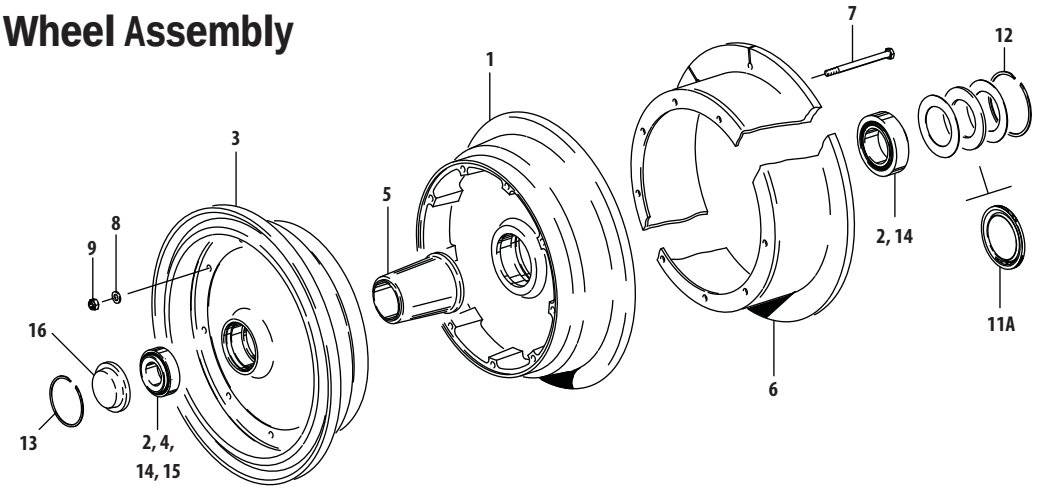


#	Description	Quantity	Part #	Price
	Cleveland Wheel Assembly		040-09804	**CALL**
1	Inner Wheel Half Assembly	1	161-02300	**$1,259.97**
2	Bearing Cup	2	13836	**$36.98**
3	Outer Wheel Half Assembly	1	162-04800	**$1,329.12**
4	Bolt	6	AN5-35A	**$1.56**
5	Washer (AN960-516)	6	NAS1149F0563P	**$0.12**
6	Nut (AN365-524)	6	MS21044N5	**$0.50**
7	Bearing Cone	2	13889	**$79.98**
8	Grease Seal Ring	4	153-01600	**$33.76**
10	Grease Seal Felt	1	154-00300	**$18.87**
10A	Grease Seal Felt	1	154-01400	**$12.58**
12	Snap Ring	2	155-00100	**$14.71**
13	Brake Disc	1	164-02707	**CALL**

W-17 6.50-10 Main Wheel Assembly

Applicability
- Cessna 190, 195, 195A

Specifications
- External
- Tube type tire



#	Description	Quantity	Part #	Price
	Cleveland Wheel Assembly		040-04001	**$8,503.92**
1	Inner Wheel Half Assembly	1	161-01901	**$415.81**
2	Bearing Cup	1	214-01300	**$159.57**
3	Outer Wheel Half Assembly	1	162-01700	**$2,601.60**
4	Bearing Cup	1	214-00900	**$80.80**
5	Spacer	1	067-00600	**$470.50**
6	Brake Disc (164-00800)	1	164-00806	**$442.35**
7	Bolt	9	AN4-32A	**$3.48**
8	Washer (AN960-416)	9	NAS1149F0463P	**$0.06**
9	Nut (AN365-428)	9	MS21044N4	**$0.30**
11A	Molded Grease Seal	1	154-03000	**$84.06**
12	Snap Ring	1	155-00100	**$14.71**
13	Snap Ring	1	155-00600	**$66.08**
14	Bearing Cone	1	214-01400	**$156.57**
15	Bearing Cone	1	214-01000	**$221.89**
16	Hub Cap	1	158-00800	**$164.05**

Cleveland Conversion Kits

By popular demand, the Cleveland Wheels & Brakes line of conversion kits is constantly being expanded, and it's no secret why – Cleveland has the reputation for lower operating costs and improved braking performance.

Cleveland wheels and brakes are easy to install, easy to service, and replacement parts are easy on the wallet. Down time to change linings can be measured in minutes.

Cleveland is the world's largest manufacturer of wheels and brakes for general aviation. Univair stocks the most popular selling kits, all others are special order.

Aero Commander

681, 681B, 685, 690, 690A, 690B ..... 199-08000 ..... **$28,081.31**

Beech

35, 36 series (6.00-6 tires, 7.00-6 tires) ..... 199-04900 ..... **$5,096.63**
34, 35, 95, 55 series (6.50-8 tires) ..... 199-05000 ..... **$14,659.83**
58P, 58TC, 60, A60, B60 (6.50-8 tires) ..... 199-07300 ..... **$12,948.58**
19, 23, 24 series (6.00-6 tires) ..... 199-12400 ..... **$7,375.81**

Cessna

120, 140, 170, 172, 175, 180, 182 (6.00-6 tires) ..... 199-04600 ..... **$3,081.46**
180, 185, 206, 210 (6.00-6 tires) ..... 199-06000 ..... **$3,213.05**
190, 195 (6.50-10 tires) ..... 199-06100 ..... **$8,786.14**
180, 185, 206 (8.00-6 tires) ..... 199-06200 ..... **$3,618.32**
310, 320 (6.50-10 tires) ..... 199-06400 ..... **$15,162.17**
340, 401, 402, 411, 414 (6.50-10 tires) ..... 199-07200 ..... **$11,978.60**
401, 402, 411, 414, 421 (6.50-10 tires) ..... 199-07600 ..... **$12,051.26**

De Havilland

DH-Cl Chipmunk 21, 22, 22A ..... 199-07900 ..... **$7,822.87**

Ercoupe

Erco 415 series, Forney F-1, F-1A (6.00-6 tires) ..... 199-06900 ..... **$5,422.73**
415 series, serial numbers 113 to 812 ..... 199-07100 ..... **$5,795.53**

Navion

A to H ..... 199-05200 ..... **$10,656.64**
A to H (7.00-8, without nose wheel) ..... 199-05201 ..... **$9,582.03**

Piper

J-3 to PA-18-150 Cub (6.00-6, 7.00-6, 8.00-6 tires) ..... 199-07100 ..... **$5,795.53**
Same as above except for aluminum construction ..... 199-07101 ..... **$7,131.56**
Navajo PA31-425, Chieftain PA31-350 ..... 199-08300 ..... **CALL**
PA-20, 22; STC approval included with kit. ..... 199-27600 ..... **CALL**

Stinson

Stinson 108 series (7.00-6 tires) ..... 199-08700 ..... **CALL**

Goodyear

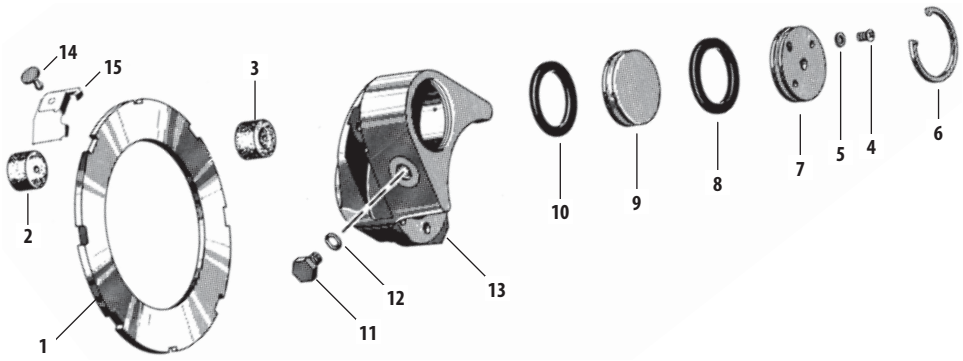
6.00-6 Brake Assembly #9520093

Applicability

- Stinson 108 series with 150/165hp Franklin engines, serial numbers 131 to 3994

Type

- Lock ring retained cylinder head brake
- Used with low flanged wheel



#	Description	Quantity	Part #	Price
	Goodyear Brake Assembly		9520093	**N/A**
1	Brake Disc	1	9531714	**N/A**
2	Anvil Lining	1	9511265	**$78.82**
3	Piston Lining	1	9511264	**N/A**
4	Screw	1	954659	**$4.63**
5	Bleeder Washer	1	511846-4	**N/A**
6	Retaining Ring	1	MS16625-1200	**N/A**
7	Cylinder Head	1	511971M	**N/A**
8	O-Ring Packing	1	MS28775-224	**$2.28**
9	Piston	1	511970M	**N/A**
10	O-Ring Packing (AN6227-29)	1	MS28775-326	**$2.14**
11	Inlet Plug	1	9520448	**N/A**
12	O-Ring Packing	2	MS28778-4	**$2.56**
13	Brake Housing	1	530913	**N/A**
14	Dot Fastener	4	955383	**N/A**
15	Disc Clip	4	9523482	**N/A**

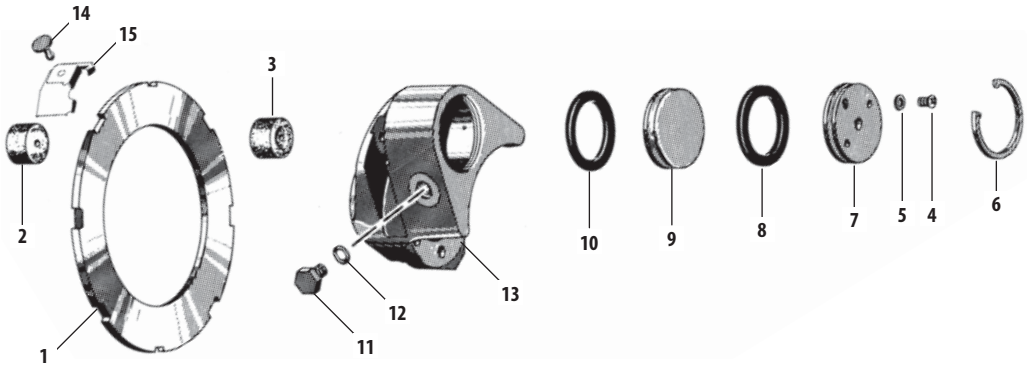
6.00-6 Brake Assembly #9520285

Applicability

- Ercoupe, Forney Aircoupe

Type

- Lock ring retained cylinder head brake



#	Description	Quantity	Part #	Price
	Complete Assembly		9520285	**N/A**
1	Brake Disc	1	9530294	**N/A**
2	Anvil and Piston Lining	1	9511276	**N/A**
3	Anvil and Piston Lining	1	9511276	**N/A**
4	Screw	1	954659	**$4.63**
5	Bleeder Washer	1	511846-4	**N/A**
6	Retaining Ring	1	MS16625-1200	**N/A**
7	Cylinder Head	1	511971M	**N/A**
8	O-Ring	11	MS28775-224	**$2.28**
9	Piston	1	511970M	**N/A**
10	O-Ring (AN6227-29)	1	MS28775-326	**$2.14**
11	Inlet Plug	1	9520448	**N/A**
12	O-Ring	2	MS28778-4	**$2.56**
13	Brake Housing	1	9540021	**N/A**
14	Dot Fastener	4	955383	**N/A**
15	Disc Clip	4	9523482	**N/A**

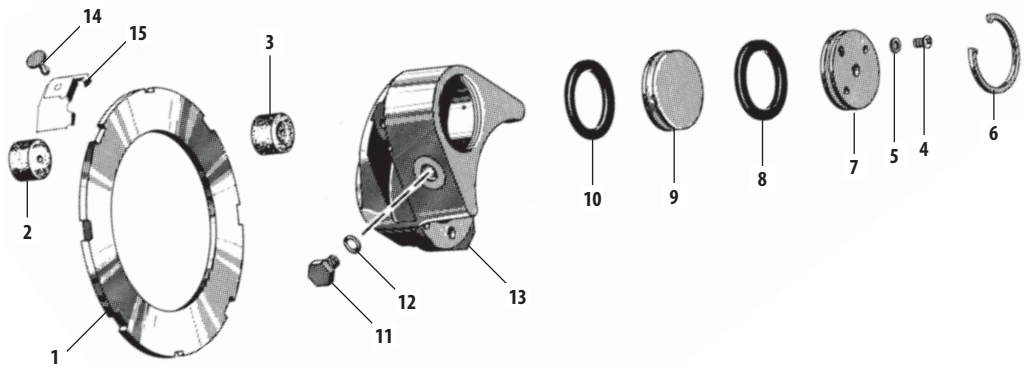
6.00-6 Brake Assembly #9520517

Applicability

- CallAir Crop Duster, Cessna 120 and 140, Globe Swift, Aeronca 7, 11 and 15, Bellanca Cruisair, Columbia Skyranger, Luscombe Silvaire 8 and 8A, Sedan, Sedan II

Type

- Lock ring retained cylinder head brake



#	Description	Quantity	Part #	Price
	Complete Assembly		9520517	N/A
1	Brake Disc	1	9530286	$168.36
2	Anvil and Piston Lining	1	5011073	$255.75
3	Anvil and Piston Lining	1	5011073	$255.75
4	Round Head Screw	1	AN515-10R5	$0.08
5	Bleeder Washer	1	511846-4	N/A
6	Retaining Ring	1	MS16625-1200	N/A
7	Cylinder Head	1	511971M	N/A
8	Cylinder Head O-Ring Seal	1	MS28775-224	$2.28
9	Piston	1	511970M	N/A
10	Piston O-Ring Seal (AN6227-29)	1	MS28775-326	$2.14
11	Inlet Plug	1	9520448	N/A
12	Inlet Washer (O-Ring)	2	MS28778-4	$2.56
13	Brake Housing	1	9530088	N/A
14	Dot Fastener	4	955383	N/A
15	Disc Clip	4	9523482	N/A
16	Inlet Plug	1	1604-73	N/A

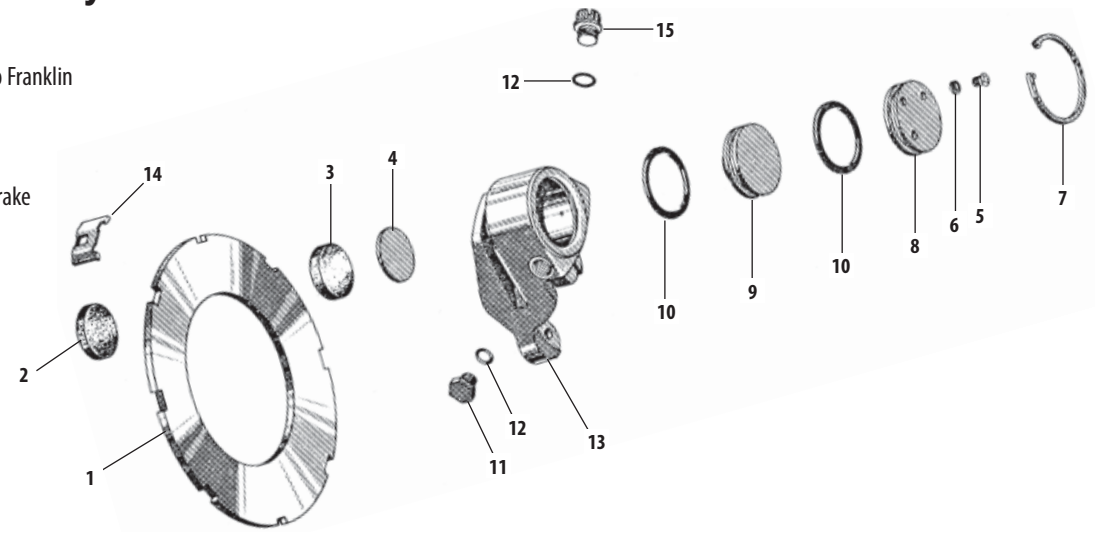
6.00-6 Brake Assembly #9520292

Applicability

- Stinson 108 series with 150/165hp Franklin engines (serial numbers 1 to 130)

Type

- Lock ring retained cylinder head brake
- Used with high flanged wheel



#	Description	Quantity	Part #	Price
	Brake Assembly		9520292	N/A
1	Brake Disc	1	9530291	N/A
2	Anvil Lining	1	9511254	N/A
3	Piston Lining	1	9511256	$41.76
4	Pressure Plate	1	511602-1	N/A
5	Screw	1	954659	$4.63
6	Bleeder Washer	1	511846-4	N/A
7	Retaining Ring	1	MS16625-1200	N/A
8	Cylinder Head	1	9510053	N/A
9	Piston	1	9510009	N/A
10	O-Ring (AN6227-29)	2	MS28775-326	$2.14
11	Inlet Plug	1	9520448	N/A
12	O-Ring (AN6230-4)	2	MS28775-226	$8.39
13	Brake Housing	1	530732M	N/A
14	Disc Clip	4	9520435	N/A
15	Inlet Plug	1	1604-73	N/A

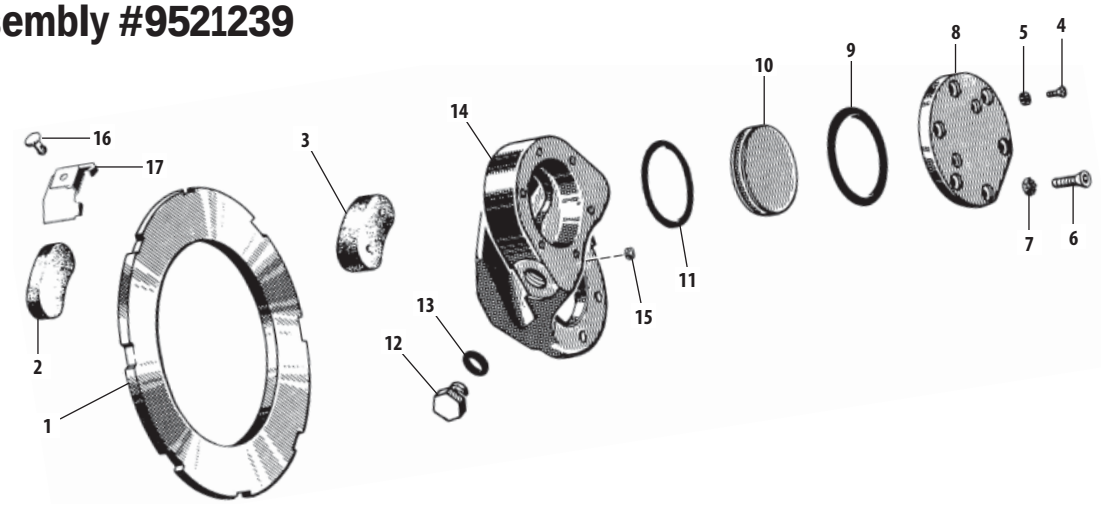
6.00-6 Brake Assembly #9521239

Applicability

- Aeronca 7, 11 and 15
- Stinson serial numbers 3995 and up
- Schweizer Glider

Type

- Bolted cylinder head brake



#	Description	Quantity	Part #	Price
	Brake Assembly		9521239	**N/A**
1	Brake Disc	1	9531714	**N/A**
2	Anvil Lining	1	9511271-2	**CALL**
3	Piston Lining	1	9511269-2	**$190.00**
4	Flat Head Screw	2	AN505-8R5	**$0.80**
5	Bleeder Screw Seal	2	9510957	**N/A**
6	Screw	6	955163	**N/A**
7	Lock Washer	6	MS35336-21	**N/A**
8	Cylinder Head	1	9510731	**N/A**
9	O-Ring Seal (AN6230-3)	1	MS28775-225	**$1.00**
10	Piston	1	9510155	**$79.92**
11	O-Ring Seal	1	MS28775-224	**$2.28**
12	Inlet Plug	1	9520448	**N/A**
13	Inlet Gasket (AN6227-4)	2	MS28775-009	**$1.94**
14	Brake Housing	1	9530409	**N/A**
15	Not used on this assembly			
16	Dot Fastener	4	955383	**N/A**
17	Disc Clip	4	9523482	**N/A**

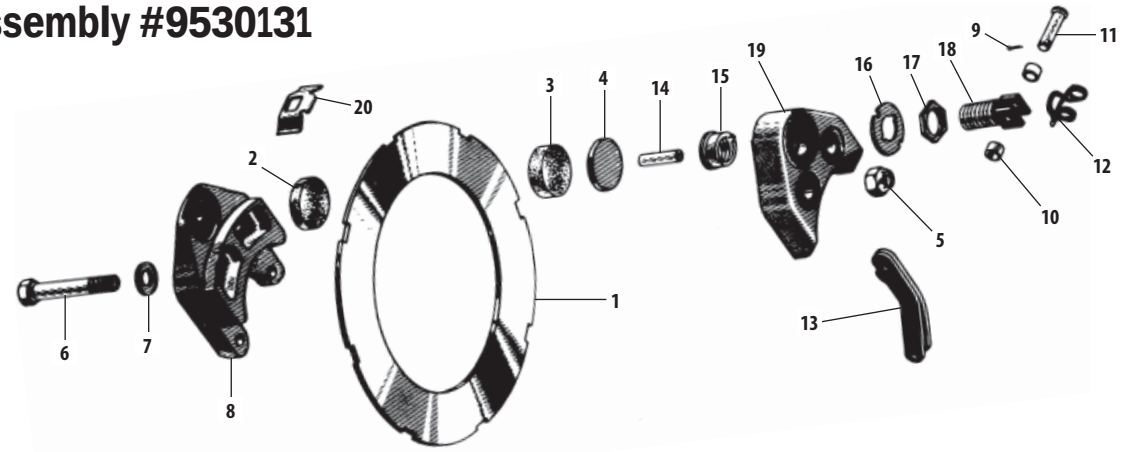
6.00-6 Brake Assembly #9530131

Applicability

- Luscombe Silvaire Model 8 and 8A, Sedan and Sedan II

Type

- Mechanical brake



#	Description	Quantity	Part #	Price
	Brake Assembly		9530131	**N/A**
1	Brake Disc	1	9530292	**N/A**
2	Anvil Lining	1	9511257-2	**N/A**
3	Piston Lining	1	9511258-2	**N/A**
4	Pressure Plate	1	951055	**$58.68**
5	Self Locking Nut	2	MS21045-6	**$1.72**
6	Hex Head Bolt	2	9520221	**N/A**
7	Washer	2	3954771	**N/A**
8	Housing Plate	1	511252A	**N/A**
9	Cotter Pin	1	AN380-2-2	**$0.04**
10	Washer	2	NAS1149F0432P	**$0.04**
11	Flat Head Pin	1	AN394-35	**$0.32**
12	Break Release Spring	1	9510151	**N/A**
13	Lever	1	9510194	**N/A**
14	Brake Pushrod	1	510822	**N/A**
15	Adjusting Nut	1	510975	**N/A**
16	Washer	1	510976	**N/A**
17	Hex Lock Bushing Nut	1	510681	**N/A**
18	Pushrod Bushing	1	510706	**N/A**
19	Brake Housing	1	511251A	**N/A**
20	Disc Clip	4	9520435	**N/A**

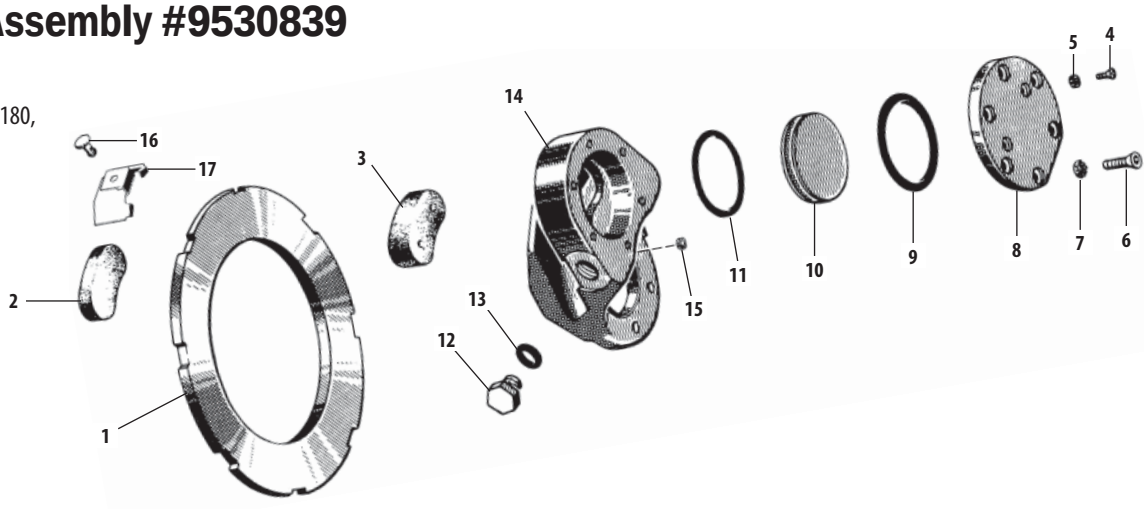
6.00-6 Brake Assembly #9530839

Applicability

- Cessna 170, 170B, 172, 175, 180, 182, Skylane, Omega BS12A

Type

- Bolted cylinder head brake



#	Description	Quantity	Part #	Price
	Brake Assembly		9530839	**$834.00**
1	Brake Disc	1	9530287	**$328.15**
1	Brake Disc	1	9531714	**N/A**
2	Anvil Lining	1	9511271-2	**CALL**
3	Piston Lining	1	9511269-2	**$190.00**
4	Flat Head Screw	2	AN505-8R5	**$0.80**
5	Bleeder Screw Seal	2	9510957	**N/A**
6	Flat Head Socket Screw	6	955163	**N/A**
7	Lock Washer	6	MS35336-21	**N/A**
8	Cylinder Head	1	9510731	**N/A**
9	O-Ring Seal (AN6230-3)	1	MS28775-225	**$1.00**
10	Piston	1	9510155	**$79.92**
11	O-Ring Seal	1	MS28775-224	**$2.28**
12	Inlet Plug	1	9520448	**N/A**
13	O-Ring	2	MS28778-4	**$2.56**
14	Brake Housing	1	9530841	**N/A**
15	Bushing	1	9521184	**N/A**
16	Dot Fastener	4	955383	**N/A**
17	Disc Clip	4	9523482	**N/A**

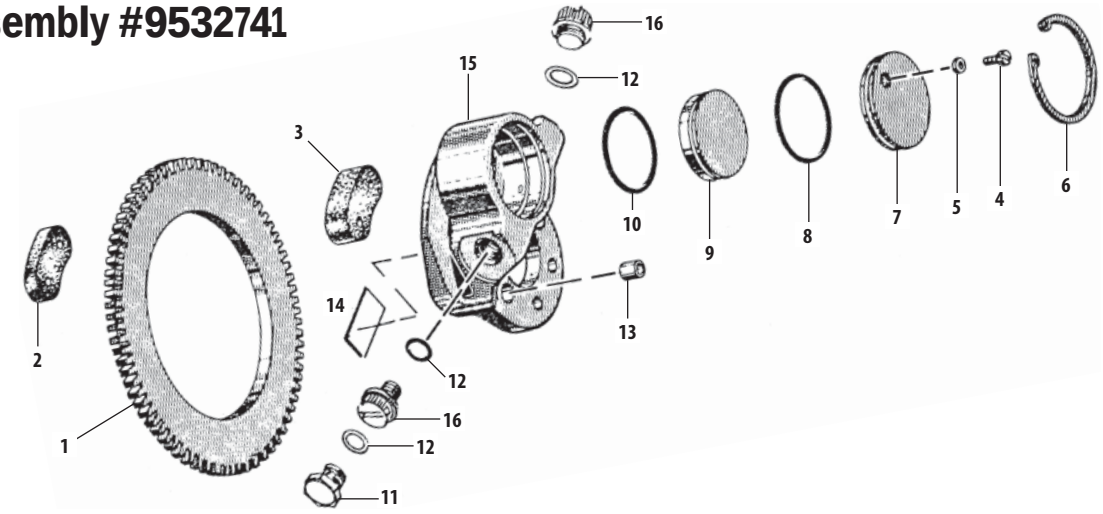
6.00-6 Brake Assembly #9532741

Applicability

- Luscombe Silvaire 8 and 8A, Sedan and Sedan II

Type

- Lock ring retained cylinder head brake



#	Description	Quantity	Part #	Price
	Brake Assembly		9532741	**N/A**
1	Brake Disc	1	9532751	**N/A**
2	Anvil Lining	1	9525232	**N/A**
3	Piston Lining	1	9511269	**$134.66**
4	Bleeder Screw	1	AN502-10-6	**N/A**
5	Bleeder Washer	1	511846-4	**N/A**
6	Retaining Ring	1	MS16625-1212	**N/A**
7	Cylinder Head	1	9524343	**CALL**
8	O-Ring Seal (AN6230-3)	1	MS28775-225	**$1.00**
9	Piston	1	9524223	**CALL**
10	O-Ring Seal (AN6232-2)	1	MS28775-224	**$2.28**
11	Inlet Plug	1	9520448	**N/A**
12	O-Ring	3	MS28778-4	**$2.56**
13	Mounting Bolt Bushing	4	9525231	**N/A**
14	Data Adhesive Plate	1	9525434	**N/A**
15	Brake Housing	1	9532752	**N/A**
16	Inlet Plug	2	1604-73	**N/A**

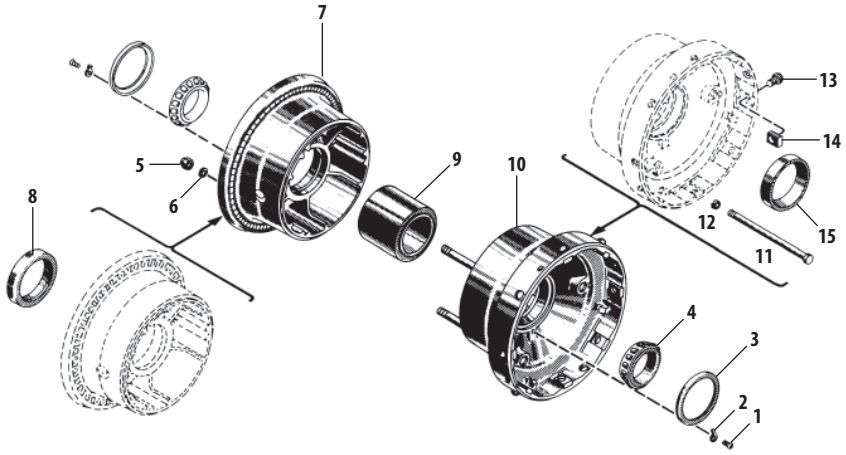
Wheel Assembly #511413S

Applicability

- 1946 Aeronca Champion and Chief with 6.00-6 tire
- Bellanca Cruisair with 7.00-6 tire (S/N 1 to 50)
- Cessna 120 and 140 with 6.00-6 tire (S/N 1 to 1200)
- Columbia Skyranger with 6.00-6 tire
- Funk B4, R4 with 6.00-6 tire
- Globe Swift with 6.00-6 tire (S/N 1 to 750)
- Luscombe 11A with 7.00-6 tire; 8 with 6.00-6 tire
- Stinson with 6.00-6 tire (S/N 1 to 130); 108 series with 150 Franklin engine
- Schweizer Glider with 6.00-6 tire

Type

- Tube type (high flange)
- Main wheel 6.00-6



#	Description	Quantity	Part #	Price
	Wheel Assembly		511413S	**N/A**
1	Screw	4	COML3952244	**N/A**
2	Locking Tab Type Washer	4	3028-06-00-0541	**N/A**
3	Bearing Closure Ring	2	951043	**$11.19**
4	Bearing Cone	2	13889	**$79.98**
5	Self-Locking Nut (AN365-428)	3	MS21044N4	**$0.30**
6	Washer (AN960-416)	3	NAS1149F0463P	**$0.06**
7	Outboard Wheel Subassembly	1	511430S	**N/A**
8	Bearing Cup	1	13830	**$34.89**
9	Spacer	1	9521698	**N/A**
10	Inboard Wheel Subassembly	1	511475S	**N/A**
11	Bolt	3	9520202	**N/A**
12	Clip	3	C2311-012-27	**N/A**
13	Disc Drive Key Screw	8	9520657	**N/A**
14	Disc Drive Key	8	9520101	**$82.04**
15	Bearing Cup	1	13830	**$34.89**

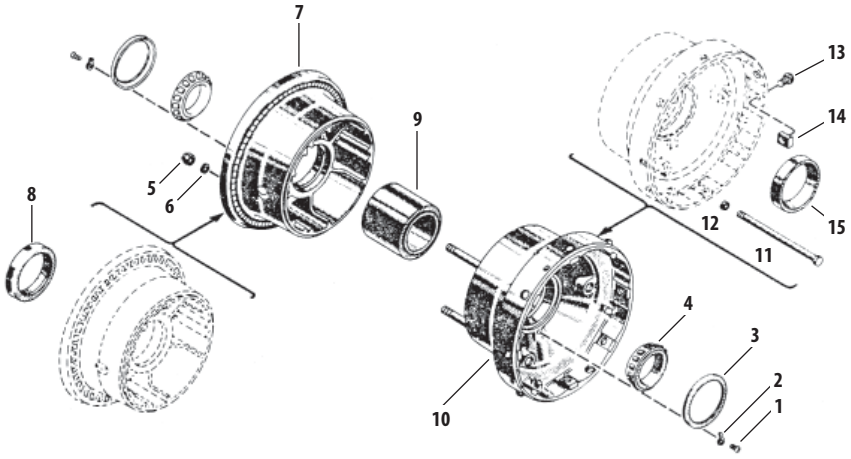
Wheel Assembly #511960S

Applicability

- Aeronca 15 with 7.00-6 tire
- CallAir Crop Duster with 8.50-6 tire
- Cessna 120 and 140 (S/N 1201 and up)
- Cessna 170, 172, 175, Skylane, 180 and 182 with 6.00-6 tire
- Forney Aircoupe with 6.00-6 tire
- Globe Swift with 6.00-6 tire (S/N 751 and up)
- Stinson with 6.00-6 tire (S/N 131 and up)
- Vertol Rescuer with 6.00-6 tire

Type

- Main wheel 6.00-6
- Tube type (low flange)



#	Description	Quantity	Part #	Price
	Wheel Assembly		511960S	**N/A**
1	Screw	4	COML3952244	**N/A**
2	Lock Tab Type Washer	4	3028-06-00-0541	**N/A**
3	Bearing Closure Ring	2	951043	**$11.19**
4	Bearing Cone	2	13889	**$79.98**
5	Self-Locking Nut	3	MS21045-4	**$1.58**
6	Washer	3	NAS1149F0432P	**$0.04**
7	Outboard Wheel Subassembly	1	511430S	**N/A**
8	Bearing Cup	1	13830	**$34.89**
9	Spacer	1	9521698	**N/A**
10	Inboard Wheel Subassembly	1	511961S	**N/A**
11	Bolt	3	AN4-47A	**$6.58**
12	Clip	3	C2311-012-27	**N/A**
13	Disc Drive Key Screw	8	9520657	**N/A**
14	Disc Drive Key	8	9520101	**$82.04**
15	Bearing Cup	1	13830	**$34.89**

Goodyear Tire and Tube

Nylon Tire
- 8.00 x 4, 4-ply rib tread
- Used on all Pipers with Goodrich wheels and brakes

800X4X4..... **$593.12**

Aero Classic Tube
- Supersedes part number 451-740

800X4..... **$401.11**

Scott Tailwheels

Parking Brake Valve Assembly

FAA-PMA APPROVED

- Scott type
- Applicability: Piper PA-18, PA-19, L-18C, L-21A, L-21B, PA-22; Air Tractor AT-300, AT-301, AT-302, AT-400, AT-400A, AT-401, AT-401A, AT-402, AT-402A, AT-501, AT-502, AT-502A, AT-502B ; Raytheon 90, 100, 200, 2000; Piper/Aerostar PA-60-600, PA-60-601, PA-60-601P; Stinson 108

Parking Brake Valve Assembly..... U4500A-1 ..... **$522.50**

Spring Connector Kits

- Includes springs, chains and connector clips

For 2000 Series Hard Rubber Tailwheel..... U2151A-000..... **$89.10**
For 3200 Series Pneumatic Tailwheel
For Piper..... U3239A-101..... **$97.00**
For Cessna..... U3239A-103..... **$99.54**

Tailwheel Connector Link

FAA-PMA APPROVED

- Applicability: Cessna 180 through 185
- Scott tailwheel attaching clip for chains

U2133A-000..... **$3.55**

Rubber Replacement O-Rings

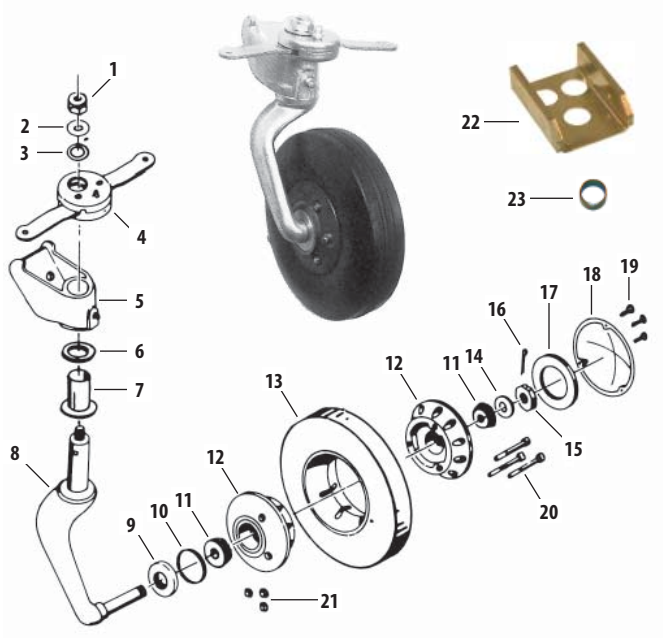
For Ercoupe Scott Master Cylinders
O-Ring, 1 15/64" I.D., 9/64" thick.....MS28775-218 ..... **$3.54**
O-Ring, 23/64" I.D., 1/16" thick.....MS28775-012 ..... **$0.32**
O-Ring, 51/64" I.D., 9/64" thick.....MS28775-211 ..... **$1.00**

For 4200 and 4500 Series Scott Valves
O-Ring, 35/64" I.D., 7/64" thick.....MS28775-113 ..... **$1.60**
O-Ring, 15/64" I.D., 1/16" thick.....MS28775-010 ..... **$1.20**

Scott 2000 Tailwheel Component Parts

FAA-PMA APPROVED

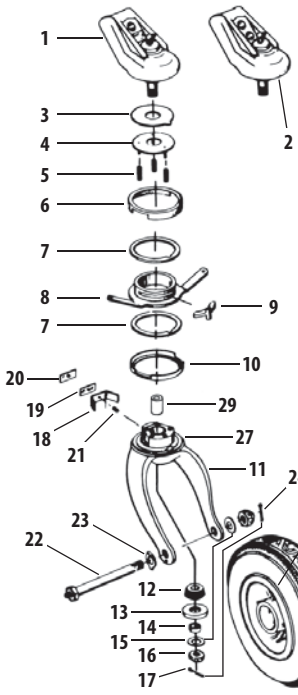
- Complete Scott 2000 tailwheel assemblies are not available
- Most replacement parts are available, see chart below



#	Description	Quantity Required 2000-00	2000-01	Part #	Price
1	Self-Locking Nut	1	1	MS21083N7	**N/A**
2	Washer	1	1	U2346A	**$22.11**
3	Shim	As Req'd	As Req'd	U2085A	**$4.82**
4	Arm Assembly	1		U1709A-000	**$574.37**
5	Bracket Assembly	1	1	2077	**N/A**
6	Bushing Cap	1	1	1781	**$79.25**
7	Bushing	1	1	U1800A	**$91.48**
8	Fork	1	1	2078	**N/A**
9	Grease Retainer	1	1	U1863A-000	**$10.77**
10	Grease Retainer Spacer	1	1	U1862A-000	**$12.34**
11	Bearing Set	2	2	1883	**$103.94**
12	Hub Kit (includes #20 and #21)	1	1	U1967A-000	**$574.36**
13	Solid Rubber Tire, 6.00 x 2	1	1	1879	**$195.35**
14	Washer	1	1	NAS1149F0832P	**$0.09**
15	Shear Castle Nut	1	1	AN320-8	**$2.44**
16	Cotter Pin	1	1	MS24665-283	**$0.08**
17, 18, 19	Hub Cap Assembly	1	1	1882	**N/A**
20	Screw	3	3	AN501-10-24	**$5.82**
21	Nut (AN365-1032)	3	3	MS21044N3	**$0.51**
22	Spacer Assembly	1	1	U1478A-000	**$95.09**
23	Bushing	1	1	U1306A	**$50.14**

* Standard bracket is for 1½" leaf spring. If required for use with 1¼" leaf spring, use part U1478A-000 spacer (#22) and U1306A bushing (#23).

Scott 3200 Series Tailwheel and ABI-3200



The 3200 series is a lightweight 8" tailwheel assembly designed to provide positive steering control far beyond rudder travel, and to release easily and automatically to full swivel when aircraft is turned around. The swivel mechanism is sealed to keep out water, sand and mud. Grease fittings are provided for lubrication. Precision components provide years of trouble-free service under severe operating conditions. For wheel parts breakdown see diagram for part number 2600 on the right.

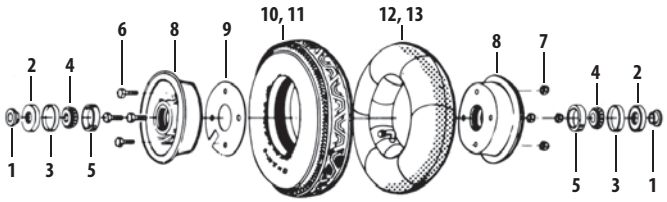
#	Description	Quantity Required A	B	C	Part #	Price
A	Complete 3200 Assembly	↓			ABI-3200	**$1,900.00**
B	2 Hole Bracket for PA-25		↓		ABI-3200-3	**$1,893.38**
C	3200 Less Axle, Wheel, Tire, Tube			↓	3200-5	**$3,518.81**
1	Bracket Assembly*	1		1	ABI-3216	**$434.72**
2	Bracket Assembly	1			ABI-800613	**$550.81**
3	Thrust Washer • FAA-PMA	1	1	1	U3207	**$8.03**
4	Thrust Plate Assembly • FAA-PMA	1	1	1	U3234	**$62.46**
5	Compression Spring • FAA-PMA	5	5	5	U3233	**$4.46**
6	Upper Dust Cap • FAA-PMA	1	1	1	U3235A-002	**$36.02**
7	Thrust Washer • FAA-PMA	2	2	2	U3206	**$18.74**
8	Arm Assembly • FAA-PMA	1	1	1	U3214A-000	**$374.22**
9	Pawl • FAA-PMA	1	1	1	U3219A	**$42.75**
10	Lower Dust Cap • FAA-PMA	1	1	1	U3235A-001	**$37.45**
11	Fork Assembly	1	1	1	ABI-3224K	**$387.00**
12	Bearing Cone	1	1	1	A4050	**$75.96**
13	Grease Retainer • FAA-PMA	1	1	1	U1863A-000	**$10.77**
14	Spacer • FAA-PMA	1	1	1	U2504A-001	**$20.08**
15	Washer	1	1	1	NAS1149F0863P	**$0.10**
16	Shear Castle Nut	2	2	2	AN320-8	**$2.44**
17	Cotter Pin	1	1	1	MS24665-283	**$0.08**
18	Spring • FAA-PMA	2	2	2	U3222	**$16.51**
19	Spacer • FAA-PMA	1	1	1	U3258	**$3.17**
20	Spacer • FAA-PMA	1	1	1	U3258-1	**$2.98**
21	Pin • FAA-PMA	1	1	1	U3257	**$10.86**
22	Axle Assembly • FAA-PMA	1	1	1	U3236A-000	**$61.70**
23	Lock Washer • FAA-PMA	1	1	1	U3225A-000	**$8.03**
24	Castle Nut	1	1	1	AN310-8	**$3.90**
25	Hub Half	1	1	1	U2598A	**$218.53**
26	4-ply Tire and Wheel Assembly	1	1	1	U2600-A-4	**$989.99**
	6-ply Tire and Wheel Assembly	1	1	1	U2600-A-6	**$600.58**
27	Pin	1	1	1	3226	**$13.97**
28	Gasket • FAA-PMA	1	1	1	U2602	**$7.42**
29	Bushing	1	1	1	U3205A	**$30.46**

* Standard bracket is for 1¾" leaf spring.
- If required for use with 1½" leaf spring, use part number 3241-1S installation kit.
- If required for use with 1¼" leaf spring, use part number 3243-1 installation kit.

2600 Wheel and Tire Assembly

The model 2600 is used on all Scott tailwheel applications where an 8" diameter tire is required. Available for general use, it is suggested for helicopters, liaison and primary training aircraft, and material handling devices where low weight and high strength are required. Due to the high volume production for 3200 series tailwheel assemblies, an attractive price is possible. Total weight of this assembly is only 3 lb 13 oz, including bearings. It can be supplied complete and assembled or as a hub only, unassembled, with gasket and bolts furnished.

- Cast aluminum hub, designed for extra heavy shock load absorption. One of its many uses is on tailwheel assemblies.
- Ribbed 4-ply tire with inner tube
- Timken bearing for ½" axle



#	Description	Quantity Required	Part #	Price
	Wheel and Tire Assembly • FAA-PMA	1	U2600-A-4	**$989.99**
1	Spacer (3227)	2	U3227A-000	**$35.89**
2	Grease Retainer • FAA-PMA	2	U1863A-000	**$10.77**
3	Spacer • FAA-PMA	2	U1862A-000	**$12.34**
4	Bearing Cone	2	A4050*	**$75.96**
5	Bearing Cup	2	A4138*	**$27.98**
6	Bolt	4	AN4-7A	**$0.50**
7	Self-locking Nut (AN365-428)	4	MS21044N4	**$0.30**
8	Hub	2	U2598A	**$218.53**
9	Gasket • FAA-PMA	1	U2602	**$7.42**
10	Tire, 8"	1	280250X4TAT	**$77.02**
11	Tube, 8"	1	280X4U	**$38.82**

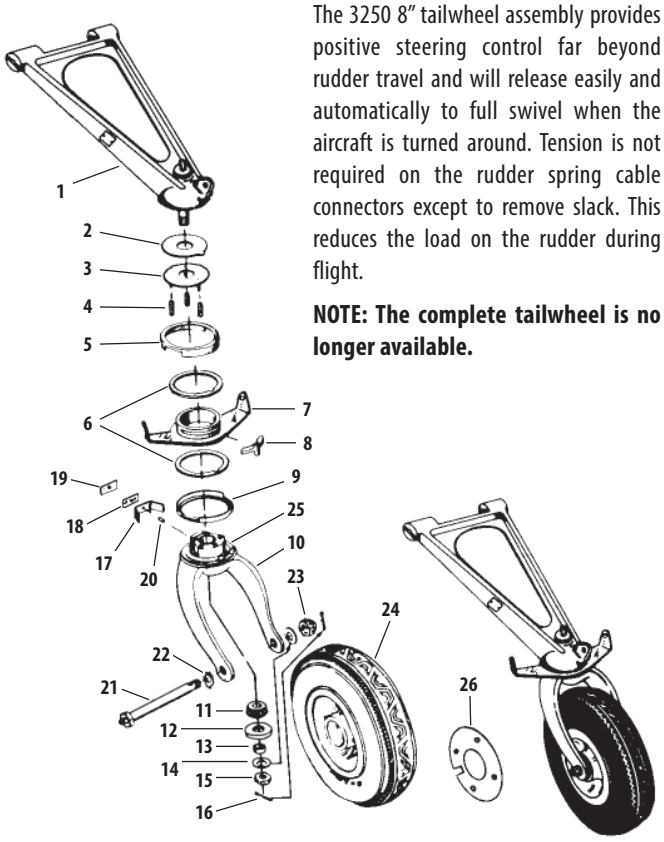
* A4050 and A4138 are sold together in the 1883 kit.

3200 Series Tailwheel Installation Kits

Kit 3243-1 shown

Description	Qty	Part #	Price Each
1¼" Installation Kit	1	3243-1	**$117.18**
Contains: 1¼" Spacer • FAA-PMA	1	U3243-2	**$83.27**
Spacer Bushing • FAA-PMA	1	U3241A-002	**$14.28**
Eye Bolts	2	AN42B-6	**$11.10**
1½" Installation Kit	1	3241-1S	**$102.72**
Contains: 1½" Spacer • FAA-PMA	1	U3241A-003S	**$31.13**
Spacer Bushing • FAA-PMA	1	U3241A-002	**$14.28**
Eye Bolts	2	AN42B-6	**$11.10**

Scott 3250 Series Tailwheel

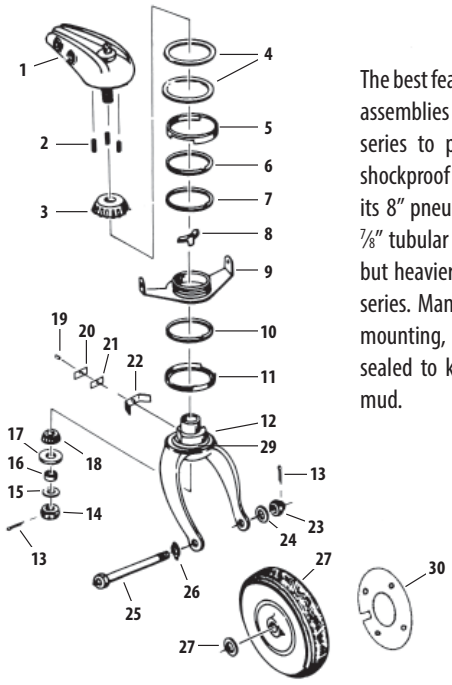


The 3250 8" tailwheel assembly provides positive steering control far beyond rudder travel and will release easily and automatically to full swivel when the aircraft is turned around. Tension is not required on the rudder spring cable connectors except to remove slack. This reduces the load on the rudder during flight.

NOTE: The complete tailwheel is no longer available.

#	Description	Quantity Required	Part #	Price
1	Drag Link Assembly	1	3250-1	**N/A**
2	Thrust Washer • FAA-PMA	1	U3207	**$8.03**
3	Thrust Plate Assembly • FAA-PMA	1	U3234	**$62.46**
4	Compression Spring • FAA-PMA	5	U3233	**$4.46**
5	Upper Dust Cap	1	3256-2	**$34.91**
6	Thrust Washer • FAA-PMA	2	U3206	**$18.74**
7	Arm Assembly • FAA-PMA	1	U3214AT-000	**$437.67**
8	Pawl	1	3219-1	**N/A**
9	Lower Dust Cap	1	3256-1	**$43.02**
10	Fork Assembly	1	3224	**$778.36**
11	Bearing Cone (13286)	1	A4050	**$75.96**
12	Grease Retainer • FAA-PMA	1	U1863A-000	**$10.77**
13	Spacer • FAA-PMA	1	U2504A-001	**$20.08**
14	Washer	2	NAS1149F0863P	**$0.10**
15	Shear Castle Nut	1	AN320-8	**$2.44**
16	Cotter Pin (AN380-3-3)	2	MS24665-283	**$0.08**
17	Spring • FAA-PMA	1	U3222	**$16.51**
18	Spacer • FAA-PMA	1	U3258	**$3.17**
19	Spacer • FAA-PMA	1	U3258-1	**$2.98**
20	Pin • FAA-PMA	1	U3257	**$10.86**
21	Axle Assembly • FAA-PMA	1	U3236A-000	**$61.70**
22	Lock Washer • FAA-PMA	1	U3225A-000	**$8.03**
23	Castle Nut	1	AN310-8	**$3.90**
24	4-ply Tire and Wheel Assembly • PMA	1	U2600-A-4	**$989.99**
25	Pin	1	3226	**$13.97**
26	Gasket • FAA-PMA	1	U2602	**$7.42**

Scott 3400 Series Tailwheel

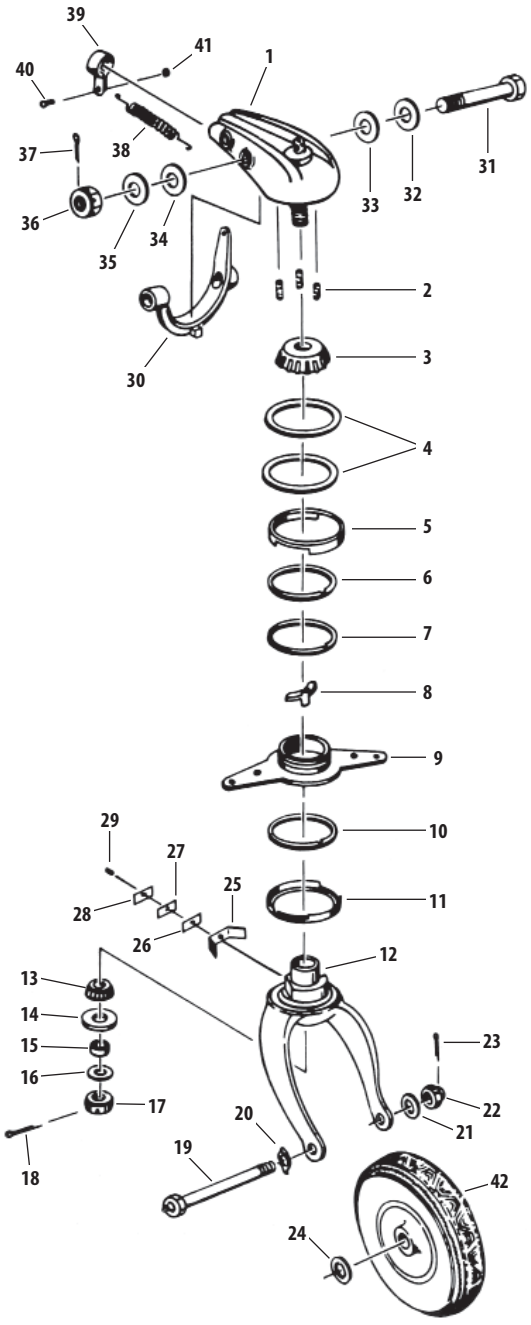


The best features of all Scott tailwheel assemblies are combined in the 3400 series to produce the finest, most shockproof tailwheel available. With its 8" pneumatic wheel mounted on ⅞" tubular tail spring, it is a similar but heavier duty version of the 3200 series. Manufactured for tube spring mounting, its swivel mechanism is sealed to keep out water, sand and mud.

#	Description	Quantity Required 3400	3400-1	Part #	Price
	Complete Tailwheel	↓		3400-1	**$5,766.49**
	Tailwheel, Less Wheel	↓		3400	**$4,122.30**
1	Bracket Assembly	1	1	3412	**N/A**
2	Compression Spring • FAA-PMA	A/R	A/R	U3233	**$4.46**
3	Bearing Cone (13289)	1	1	08118	**$80.48**
4	Spacer	A/R	A/R	3407	**$5.63**
5	Upper Dust Cap	1	1	ABI-3411-02	**$41.80**
6	Washer	1	1	3408	**$17.50**
7	Washer	A/R	A/R	3408-1	**$7.04**
8	Pawl • FAA-PMA	1	1	U3219A	**$42.75**
9	Arm Assembly	1	1	3410-3	**N/A**
10	Washer	A/R	A/R	3408-2	**$19.25**
11	Lower Dust Cap	1	1	ABI-3411-01	**$39.13**
12	Fork Assembly	1	1	3413	**$2,106.46**
13	Cotter Pin	2	2	MS24665-283	**$0.08**
14	Shear Castle Nut	1	1	AN320-8	**$2.44**
15	Washer	A/R	A/R	NAS1149F0863P	**$0.10**
16	Spacer • FAA-PMA	1	1	U2504A-001	**$20.08**
17	Grease Retainer • FAA-PMA	1	1	U1863A-000	**$10.77**
18	Bearing Cone (13286)	1	1	A4050	**$75.96**
19	Pin • FAA-PMA	1	1	U3257	**$10.86**
20	Spacer • FAA-PMA	1	1	U3258-1	**$2.98**
21	Spacer • FAA-PMA	1	1	U3258	**$3.17**
22	Spring • FAA-PMA	1	1	U3222	**$16.51**
23	Castle Nut	1	1	AN310-8	**$3.90**
24	Washer	A/R	A/R	NAS1149F0863P	**$0.10**
25	Axle Assembly	1	1	U3236C-2	**$119.18**
26	Lock Washer • FAA-PMA	1	1	U3225A-000	**$8.03**
27	Washer	2		2832-5	**N/A**
28	4-ply Tire and Wheel Assembly	1		U2600-A-4	**$989.99**
29	Pin	1		3226	**$13.97**
30	Gasket • FAA-PMA	1		U2602	**$7.42**

Scott 3425 Series Tailwheel

This steerable, full swivel assembly, equipped with your choice of an 8" or 10" wheel, provides that extra measure of rugged dependability that has distinguished Scott tailwheels for more than a quarter of a century. Built-in extra strength assures exceptional performance on utility aircraft intended for hard usage and rough terrain. This tailwheel is manufactured for tube spring mounting. The 3425 series come in versions for mounting on either the 15/16" or 1" tubular tail spring. The steering arms on this series of tailwheel are available in straight or bent upwards versions.



#	Description	-1	-3	-5	-7	-13	-15	-17	Part #	Price
		Quantity Required								
	Tailwheel Assembly**	↓	–	–	–	–	–	–	3425-1	**$2,678.64**
	Tailwheel Assembly**	–	↓	–	–	–	–	–	3425-3	**$7,751.92**
	Tailwheel Assembly**	–	–	↓	–	–	–	–	3425-5	**N/A**
	Tailwheel Assembly**	–	–	–	↓	–	–	–	3425-7	**N/A**
	Tailwheel Assembly	–	–	–	–	↓	–	–	3425-13	**$5,684.53**
	Tailwheel Assembly	–	–	–	–	–	↓	–	3425-15	**N/A**
	Tailwheel Assembly**	–	–	–	–	–	–	↓	3425-17	**$4,863.71**
1	Bracket Assembly	1	1	1	1	–	–	–	3412-1	**$501.90**
	Bracket Assembly	–	–	–	–	1	1	1	3412-2	**$1,472.63**
2	**Compression Spring**	*	*	*	*	**3**	**3**	**3**	**U3233**	**$4.46**
3	Bearing Cone (13289)	1	1	1	1	1	1	1	08118	**$80.48**
4	Spacer	*	*	*	*	*	*	*	3407	**$5.63**
5	Upper Dust Cap	1	1	1	1	1	1	1	ABI-3411-07	**$38.53**
6	Washer	1	1	1	1	1	1	1	3408	**$17.50**
7	Washer	*	*	*	*	*	*	*	3408-2	**$19.25**
8	**Pawl**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**U3219A**	**$42.75**
9	Arm Assembly	1	1	1	1	1	1	1	ABI-3410-05	**$343.68**
10	Washer	*	*	*	*	*	*	*	3479-1	**$9.95**
11	Lower Dust Cap	1	1	1	1	1	1	1	3411-5	**$93.02**
12	8" Fork Assembly	–	1	1	–	1	1	–	3413-1	**$2,401.78**
	10" Fork Assembly	1	–	–	1	–	–	1	3423-3	**$4,364.52**
13	Bearing Cone (13286)	1	1	1	1	1	1	1	A4050	**$75.96**
14	**Grease Retainer**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**U1863A-000**	**$10.77**
15	**Spacer**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**U2504A-001**	**$20.08**
16	Washer	1	1	1	1	1	1	1	NAS1149F0863P	**$0.10**
17	Shear Castle Nut	1	1	1	1	1	1	1	AN320-8	**$2.44**
18	Cotter Pin	1	1	1	–	1	1	1	MS24665-283	**$0.08**
19	**Axle Assembly**	**1**	**1**	**1**	**–**	**1**	**1**	**1**	**U3236C-2**	**$119.18**
20	**Lock Washer**	**1**	**1**	**1**	**–**	**1**	**1**	**1**	**U3225A-000**	**$8.03**
21	Washer (AN960-816L)	1	1	1	–	1	1	1	NAS1149F0832P	**$0.09**
22	Castle Nut	1	1	1	–	1	1	1	18433	**CALL**
23	Cotter Pin	1	1	1	–	1	1	1	MS24665-283	**$0.08**
24	Washer	–	2	2	–	2	2	–	2832-5	**N/A**
25	Spring	1	1	1	1	1	1	1	3432	**$87.32**
26	Spacer	*	*	*	*	*	*	*	3433	**$18.07**
27	**Spacer**	*	*	*	*	*	*	*	**U3258**	**$3.17**
28	**Spacer**	*	*	*	*	*	*	*	**U3258-1**	**$2.98**
29	**Pin**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**U3257**	**$10.86**
30	Bell Crank	1	1	–	1	–	1	1	3426	**$822.06**
31	Bolt	1	1	–	1	–	1	1	56365	**CALL**
32	Washer	1	1	1	1	1	1	1	18299	**CALL**
33	Bushing	1	1	–	1	–	1	1	3476	**CALL**
34	Bushing	1	1	–	1	–	1	1	3476	**CALL**
35	Washer	1	1	1	1	1	1	1	18300	**CALL**
36	Nut	1	1	1	1	1	1	1	56366	**CALL**
37	Cotter Pin	1	1	1	1	1	1	1	56367	**CALL**
38	Spring	1	1	–	1	–	1	1	3477	**$70.00**
39	Clamp	1	1	–	1	–	1	1	3478	**$13.46**
	Clamp	–	–	–	–	–	1	1	3478-1	**$196.96**
40	Nut	1	1	–	1	–	–	–	18477	**CALL**
41	Screw	1	1	–	1	–	1	1	18556	**CALL**
42	**8" Tire/Wheel Assy**	**–**	**1**	**1**	**–**	**1**	**1**	**–**	**U2600-A-4**	**$989.99**
	10" Tire/Wheel Assy	1	–	–	–	–	1	–	3245-1	**$1,345.38**

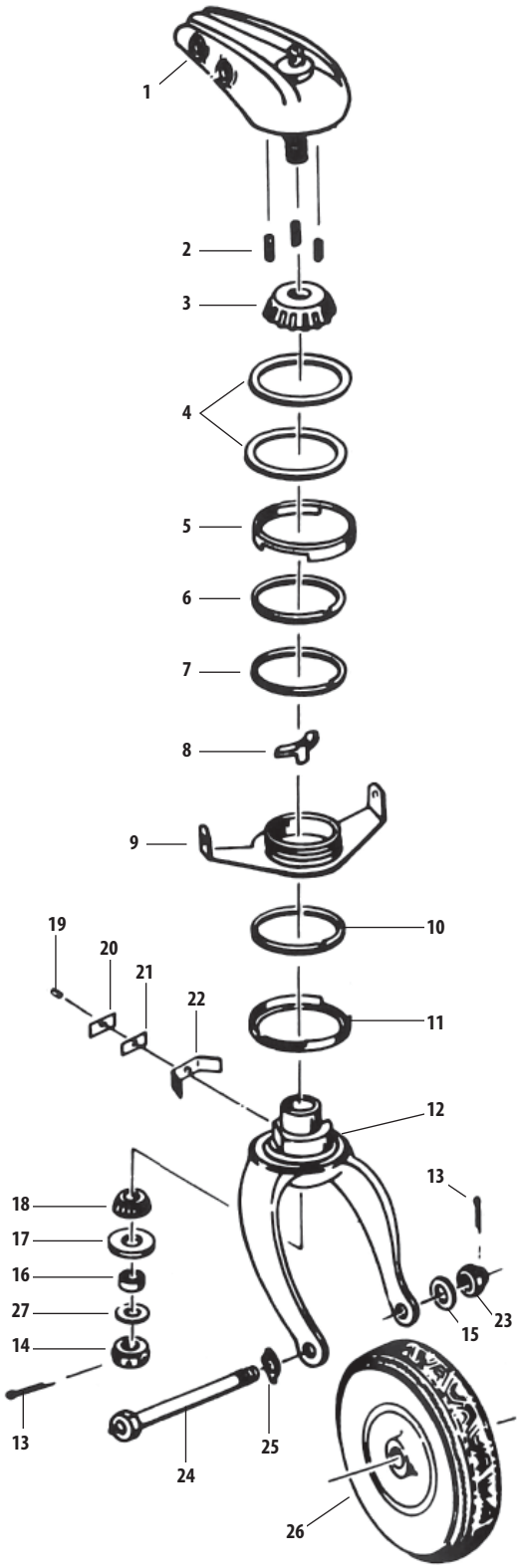
Items in bold are FAA-PMA approved

* As Required

** Assemblies 3425-1, -3, -5, -7, and -17 are manufactured for tube spring mounting.

Scott 3450 Series Tailwheel

Similar in design to the 3400 and 3425 series tailwheels, the 3450 series features a 10" pneumatic wheel and the same heavy duty, shockproof construction. As such, it will withstand the most severe operating conditions while providing the same reliable, trouble-free performance. They are available in versions for the 15⁄16" or 1" tubular tail spring. The steering arms on this series of tailwheel are also available in straight or bent upwards versions.



#	Description	Quantity Required -1	-3	-5	-7	-17	-23	Part #	Price
	Tailwheel Assembly**	↓	–	–	–	–	–	3450-1	**$1,559.70**
	Tailwheel Assembly**	–	↓	–	–	–	–	3450-3	**N/A**
	Tailwheel Assembly**	–	–	↓	–	–	–	3450-5	**N/A**
	Tailwheel Assembly**	–	–	–	↓	–	–	3450-7	**N/A**
	Tailwheel Assembly**	–	–	–	–	↓	–	3450-17	**$6,491.56**
	Tailwheel Assembly**	–	–	–	–	–	↓	3450-23	**$6,923.16**
	Bracket Assembly	1	1	1	1	–	–	3412-1	**$501.90**
	Bracket Assembly	–	–	–	–	1	–	3412-2	**$1,472.63**
	Bracket Assembly	–	–	–	–	–	1	801355-02	**$2,601.34**
2	Compression Spring	*	*	*	*	3	2	U3233	**$4.46**
3	Bearing Cone (13289)	1	1	1	1	1	–	08118	**$80.48**
4	Spacer	*	*	*	*	*	1	3407	**$5.63**
5	Upper Dust Cap	1	1	1	1	1	–	ABI-3411-02	**$41.80**
	Upper Dust Cap	–	–	–	–	–	1	3411-00	**N/A**
6	Washer	1	1	1	1	1	1	3408	**$17.50**
7	Washer	*	*	*	*	*	*	3408-1	**$7.04**
8	Pawl	1	1	1	1	1	1	U3219A	**$42.75**
9	Arm Assembly	1	–	1	–	–	–	3410-3	**N/A**
	Arm Assembly	–	1	–	1	1	–	ABI-3410-05	**$343.68**
	Arm Assembly	–	–	–	–	–	1	3410-7	**N/A**
10	Washer	*	*	*	*	*	*	3408-2	**$19.25**
11	Lower Dust Cap	1	1	1	1	1	–	ABI-3411-01	**$39.13**
12	Fork Assembly	1	1	1	1	1	1	3423-1	**$4,350.94**
13	Cotter Pin	2	2	1	1	2	2	MS24665-283	**$0.08**
14	Shear Castle Nut	1	1	1	1	1	1	AN320-8	**$2.44**
15	Washer (AN960-816L)	1	1	–	–	1	1	NAS1149F0832P	**$0.09**
16	Spacer	1	1	1	1	1	1	U2504A-001	**$20.08**
17	Grease Retainer	1	1	1	1	1	1	U1863A-000	**$10.77**
18	Bearing Cone (13286)	1	1	1	1	1	1	A4050	**$75.96**
19	Pin	1	1	1	1	1	1	U3257	**$10.86**
20	Spacer	*	*	*	*	*	*	3433	**$18.07**
21	Spacer	*	*	*	*	*	*	3433-1	**$45.61**
22	Spring	1	1	1	1	1	–	3432	**$87.32**
23	Castle Nut	1	1	–	–	1	1	AN310-8	**$3.90**
24	Axle Assembly (3236C2)	1	1	–	–	1	1	U3236C-2	**$119.18**
25	Lock Washer	1	1	–	–	1	1	U3225A-000	**$8.03**
26	Tire and Wheel Assembly	1	1	–	–	1	1	3245-1	**$1,345.38**
27	Washer	1	1	1	1	1	–	NAS1149F0863P	**$0.10**

Items in bold are FAA-PMA approved

* As Required

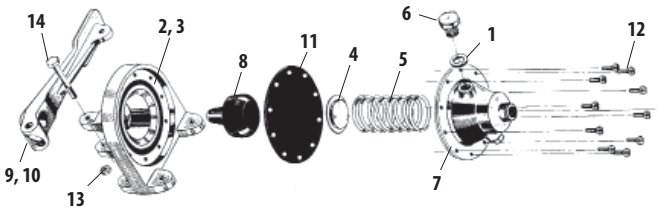
** Assemblies 3450-1, -3, -5, -7, and -17 are manufactured for tube spring mounting. Assembly 3450-23 is manufactured for leaf spring mounting.

Scott Brake Master Cylinder

FAA-PMA APPROVED

Installed as standard equipment on Piper and other aircraft for many years, the Scott Brake Master Cylinder provides rugged and virtually trouble-free service with few wearing parts. One pair of master cylinders (left and right) is required on most aircraft. On the Piper Tri-Pacer, however, only the left master cylinder is required.

- Maximum Working Pressure: 350 lb
- Pedal Pressure: 100 lb
- Recommended Hydraulic Fluid: MIL-H-5606
- Weight as Shown: 21 ounces dry



#	Description	Quantity	Part #	Price
	Master Cylinder Assembly, Left		U1248A	**$1,493.93**
	Master Cylinder Assembly, Right		U1260A	**$1,493.93**
1	Vent Screw Gasket	1	U1159A	**$3.70**
2	Bracket, Right Unit	1	U1220A	**$351.71**
3	Bracket, Left Unit	1	U1232A	**$351.71**
4	Diaphragm Pad	1	U2003-001	**$44.86**
5	Spring	1	U1256A-000	**$20.28**
6	Vent Screw	1	UB-1258	**$17.87**
7	Compression Cover	1	U2728A	**$517.83**
8	Piston	1	U1383A-000	**$76.74**
9	Pedal, Right Unit	1	U1715A	**$259.58**
10	Pedal, Left Unit	1	U1715A	**$259.58**
11	Diaphragm (2844)	1	U750-384	**$48.31**
12	Fillister Head Screw	10	MS35265-45	**$0.36**
13	Lock Nut	1	AC356-1032	**$0.75**
14	Airfame Bolt	1	AN3-20A	**$0.48**

Brake Master Cylinder With Integral Parking Brake

There are four variations of the Scott master cylinder, but their internal components are exactly the same. Below are commonly replaced items:

Piston Stem Seal	4014	**$18.00**
Linear U-Cup Seal	18051	**$9.07**
O-Ring (AN6227-11)	MS28775-113	**$1.60**
Stinson Master Cylinder,		
Threads on Outside of Port	108-9010075	**$1,637.28**
Threads on Inside of Port	4408E	**$867.47**

Brake Reservoir

Aluminum reservoir mounts on the firewall in any position and measures 2¼" in diameter and 2½" high. Ports are ⅛" NPT.

Brake Reservoir	A315	**$92.40**

Miscellaneous Parts for Scott Tailwheels	Part #	Price
Scott Brake Pedal Bushing	1494	**$4.20**
Scott Seal	1803	**$4.36**
Scott Wheel and Tire Assembly	1840	**$2,942.43**
Scott Screw and Nut Set	1875	**$5.10**
Scott Washer	2346	**$19.54**
Scott Bracket Assembly	3216	**$379.00**
Scott Nameplate	3434	**$2.52**
Scott Clevis Fork	4008	**$103.40**
Scott Stem Assembly	4205	**$22.07**
Scott Valve Seat	4206	**$31.49**
Scott Brake Arm Assembly	4208	**$102.97**
Scott Reservoir Cap	4454	**$1,497.42**
Scott Piston Assembly	4476	**$142.76**
Scott Stem	4477	**$206.85**
Scott Lug	4479	**$106.29**
Scott Spring	4480	**$16.58**
Scott Lock Spring	4482	**$5.36**
Scott Piston Stop	4483	**$94.58**
Scott Brake Lock	4484	**$66.03**
Scott Valve Seat	4511	**$59.57**
Scott Bracket Assembly	800613	**$1,410.92**
Brake Cylinder Arm	1715A-100	**$311.64**
Scott Screw	33332-077	**$1.49**
Scott Screw	33343-008	**$3.32**
Scott Cage and Arm	3416-1	**$722.24**
Scott Clevis Rod	4008-2	**$121.00**
Scott Cylinder	4408C	**$1,306.41**
Scott Reservoir Cap	4454-1	**$241.98**
Scott Washer	4468-1	**$3.42**
Scott Cylinder Assembly	4472B	**$569.92**
Scott Reservoir	4473AL	**$100.24**
8" Tailwheel, with 2.80 x 2.50 x 4" tire	ABI-3224A	**$1,900.00**
Bent Steering Arm	ABI-3410-03	**$346.00**
Straight Steering Arm	ABI-3410-05	**$343.68**
Lower Dust Cap	ABI-3411-01	**$39.13**
Upper Dust Cap	ABI-3411-02	**$41.80**
Lower Dust Cap	ABI-3411-05	**$44.36**
Upper Dust Cap	ABI-3411-07	**$38.53**
Compression Spring	ABI-3432	**$17.33**
Tailwheel Spacer Doubler	U1478A-002	**$1.90**
Tailwheel Hub Half	U1967-L	**$294.81**
Tailwheel Hub Half	U1967-R	**$294.81**
Felt Washer	U2035A	**$5.45**
Chain	U3239A-015	**$11.42**
Tailwheel Spring Spacer	U3241A-003S	**$31.13**
Valve Arm	U4208A	**$72.25**
Arm Fitting	U4208A-3	**$37.12**
Scott Valve	U4500S-A1	**$497.68**
Valve Stem	U4505A	**$44.19**

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Air Trac Tires

The Air Trac® tire is an excellent choice for single engine, piston aircraft. It is ideal for aircraft operated on grass strips while being perfectly usable on hard surfaces. All Air Tracs are nylon tube type tires.

Size	Ply Rating	Part #	Price
2.80/2.50-4	4-ply	280250X4TAT	**$77.02**
10 x 3.50-4	4-ply	10X350X4TAT	**$92.58**
5.00-5	4-ply	500X5T4AT	**$101.52**
5.00-5	6-ply	500X5T6AT	**$101.52**
6.00-6	4-ply	600X6T4AT	**$113.76**
6.00-6	6-ply	600X6T6AT	**$120.78**
6.00-6	8-ply	600X6T8AT	**$131.27**
6.50-8	6-ply	650X8T6AT	**$259.56**
6.50-8	8-ply	650X8T8AT	**$274.08**
6.50-10	8-ply	650X10T8AT	**$303.13**
6.50-10	10-ply	650X10T10AT	**$386.61**
7.00-6	6-ply	700X6T6AT	**$218.78**
7.00-6	8-ply	700X6T8AT	**CALL**
7.50-10	6-ply	750X10T6AT	**$644.52**
8.00-6	4-ply	800X6T4AT	**$246.78**
8.00-6	6-ply	800X6T6AT	**$251.22**
8.50-6	6-ply	850X6T6AT	**$383.32**
8.50-10	6-ply	850X10T6AT	**$482.80**
8.50-10	8-ply	850X10T8AT	**$518.59**
15 x 6.00-6	4-ply	15X6-6T4AT	**$177.87**
15 x 6.00-6	6-ply	15X6-6T6AT	**$178.77**

Aero Classic Tires

Aero Classic tires are great for a number of aircraft built outside of the United States. Designed specially for classic planes including warbirds, DC-3's and Beech 18's. Many sizes are available in both the historical diamond tread and the modern rib tread for work uses.

Nylon Tubeless Tires

Size	Ply Rating	Part #	Price
27" S.C. Diamond Tread	10-ply	AA227	**$1,208.86**
27" Rib	10-ply	AA427	**$1,208.86**
890 x 1250 S.C. Diamond Tread	6-ply	AA313	**$992.84**
890 x 1250 Rib	6-ply	AA413	**$874.87**
11.00 x 12	10-ply	AA487	**$1,152.59**

Nylon Tube Type Tires

Size	Ply Rating	Part #	Price
380-150-5 (15 x 600-5)	6-ply	AA4AA	**$234.15**
420 x 150 (600 x 6.5)	4-ply	AA4AB	**$377.54**
7.00 x 8	6-ply	AA4AC	**$511.85**
7.00 x 7.5	6-ply	AA4AD	**$707.90**
800 x 260	4-ply	AA494	**$1,025.54**
500 x 150	6-ply	AA444	**$548.97**
400 x 150	6-ply	AA454	**$406.59**
1700 x 16	12-ply	AA47A	**$3,882.49**

Air Hawk Tires

These FAA approved tires deliver reliable, cost-effective performance under a wide variety of takeoff and landing conditions. Improved tread compounds and high strength casings offer added wear resistance and an extra measure of security, all at affordable prices. Air Hawk tires are nylon tube type tires.

Size	Ply Rating	Tire	Part #
5.00-5	4-ply	500X5T4AH	**$103.28**
5.00-5	6-ply	500X5T6AH	**$105.03**
6.00-6	4-ply	600X6T4AH	**$120.78**
6.00-6	6-ply	600X6T6AH	**$126.02**
6.00-6	8-ply	600X6T8AH	**$134.78**
7.00-6	6-ply	700X6T6AH	**$222.29**
7.00-6	8-ply	700X6T8AH	**$250.96**
8.00-6	4-ply	800X6T4AH	**$250.29**
8.00-6	6-ply	800X6T6AH	**$302.75**
8.00-6	8-ply	800X6T8AH	**$305.48**
6.50-8	6-ply	650X8T6AH	**$274.08**
6.50-8	8-ply	650X8T8AH	**$279.54**
6.50-10	6-ply	650X10T6AH	**$297.67**
6.50-10	8-ply	650X10T8AH	**$310.38**
6.50-10	10-ply	650X10T10AH	**$390.25**
8.50-10	6-ply	850X10T6AH	**$506.42**
8.50-10	8-ply	850X10T8AH	**$558.00**
18 x 5.5	8-ply	18X5.5T8AH	**$275.90**
22 x 8.0-8	6-ply	22X8-8T6AH	**$406.59**
29 x 11.0-10	10-ply	29X11-10TAH	**$515.02**

Super Hawk Tires

Designed to handle higher landing speeds and heavier loads, the Super Hawk offers advanced design and precision craftsmanship. The result is a premium belted aircraft tire that surpasses FAA specifications and matches the performance levels of far more expensive brands.

Size	Ply Rating	Tire Part #	Price
5.00-5	6-ply	500X5-6AJ1D4	**$234.15**
6.00-6	6-ply	600X6-6AJ1E4	**$303.13**

Tubes for Light Aircraft Tires

Our sales department can help you select the right tube for your tire type.

Size	Part #	Price
2.80-4	280X4U	**$38.82**
29 x 11	29X11-10U	**$347.56**
3.50/4.10-4	350410X4U	**$92.58**
5.00-5	500X5U	**$114.09**
6.00-6	600X6U	**$94.49**
6.50/7.00-8	650700X8U	**$105.38**
6.50-10	650X10U	**$105.38**
7.00/8.00-6	700800X6U	**$99.83**
7.50-10	750X10U	**$147.96**
8.50-6	850X6U	**$190.41**
8.50-10	850X10U	**$153.32**
15 x 6.00-6	15X600X6U	**$96.12**

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Aeronca

Aeronca Champion 7AC, 7BCM, 7DC, 7CCM, 7EC, 7FC

Windshield – Clear	7-468	**$948.17**
– Green	7-468G	**$1,136.03**
– Solar Gray	7-468S	**$1,136.03**
Left Front Forward Sliding Window, Glass Only – Clear	3-572	**$88.36**
– Green	3-572G	**$99.50**
– Solar Gray	3-572S	**$99.50**
Left Front Aft Sliding Window, Glass Only – Clear	3-573	**$66.83**
– Green	3-573G	**$80.19**
– Solar Gray	3-573S	**$80.19**
Right Front Door Window – Clear	7-537	**$114.35**
– Green	7-537G	**$129.20**
– Solar Gray	7-537S	**$129.20**
Left or Right Rear Window – Clear	7-463	**$224.24**
– Green	7-463G	**$303.68**
– Solar Gray	7-463S	**$303.68**

Aeronca Chief 11AC, 11ACS, 11BC and 11CC

Windshield – Clear	7-521	**$424.71**
– Green	7-521G	**$509.36**
– Solar Gray	7-521S	**$509.36**
Left or Right Front Sliding Window – Clear	4-715	**$66.08**
– Green	4-715G	**$78.71**
– Solar Gray	4-715S	**$78.71**
Left or Right Aft Sliding Window – Clear	4-714	**$66.08**
– Green	4-714G	**$78.71**
– Solar Gray	4-714S	**$78.71**
Left or Right Rear Window – Clear	4-594	**$74.99**
– Green	4-594G	**$87.62**
– Solar Gray	4-594S	**$87.62**

Aeronca Sedan 15AC

Left Windshield Half – Clear	7-852-2	**$352.69**
– Green	7-852-2G	**$421.00**
– Solar Gray	7-852-2S	**$421.00**
Right Windshield Half – Clear	7-852-3	**$352.69**
– Green	7-852-3G	**$421.00**
– Solar Gray	7-852-3S	**$421.00**

Alon

Alon A2, A2A

Left Windshield Half – Clear	A13260-7	**$257.65**
– Green	A13260-7G	**$304.43**
– Solar Gray	A13260-7S	**$304.43**

Right Windshield Half – Clear ..... A13260-8 ..... **$257.65**
– Green ..... A13260-8G **$304.43**
– Solar Gray ..... A13260-8S **$304.43**
Canopy Window – Clear ..... A13270-6 ..... **$567.27**
– Green ..... A13270-7 ..... **$567.27**
– Solar Gray ..... A13270-6S **$645.98**
– Solar Gray ..... A13270-7S **$567.27**
Left Rear Window – Clear ..... A13250-53 ..... **$298.49**
– Green ..... A13250-31 ..... **$358.63**
– Solar Gray ..... A13250-53S **$358.63**
Right Rear Window – Clear ..... A13250-54 ..... **$393.53**
– Green ..... A13250-54G **$533.86**
– Solar Gray ..... A13250-54S **$533.86**

Beech Bonanza

Beech Bonanza 35 (serial numbers D-1 to D-7976)

Left Windshield Half – Clear ..... 410291-34 ..... **$233.15**
– Green ..... 410291-34G **$291.80**
– Solar Gray ..... 410291-34S **$291.80**
Right Windshield Half – Clear ..... 410291-35 ..... **$242.80**
– Green ..... 410291-35G **$291.80**
– Solar Gray ..... 410291-35S **$291.80**

Bellanca

Bellanca Cruisair 14-13

Windshield – Clear ..... 9892-6 ..... **$506.39**
– Green ..... 9892-6G **$605.14**
– Solar Gray ..... 9892-6S **$605.14**

Cessna

Cessna 120, 140 and 140A

Windshield (S/N 8001 to 8799) – Clear ..... 0411172-3 ..... **$463.32**
– Green ..... 0411172-3G **$554.65**
– Solar Gray ..... 0411172-3S **$554.65**
Windshield (S/N 8800 and up) – Clear ..... 0411172-5 ..... **$463.32**
– Green ..... 0411172-5G **$554.65**
– Solar Gray ..... 0411172-5S **$554.65**
Windshield, 140A only, 1949-1951 – Clear ..... 0413419-203 ..... **$452.18**
– Green ..... 0413419-203G **$545.00**
– Solar Gray ..... 0413419-203S **$545.00**
Left or Right Door Window – Clear ..... 0411182 ..... **$104.69**
– Green ..... 0411182G **$140.33**
– Solar Gray ..... 0411182S **$140.33**
Left or Right Rear Window – Clear ..... 0412145 ..... **$72.02**
– Green ..... 0412145G **$86.87**
– Solar Gray ..... 0412145S **$86.87**
Skylight – Clear ..... 0411144 ..... **$77.22**
– Green ..... 0411144G **$89.10**
– Solar Gray ..... 0411144S **$89.10**

Cessna 150

Windshield (S/N 17001 to 67198
and 69309 to 73658) – Clear ..... 0413419-203 ..... **$452.18**
– Green ..... 0413419-203G **$545.00**
– Solar Gray ..... 0413419-203S **$545.00**

Cessna 170, 1948-1949 (Serial Numbers 18003 to 18728)

Windshield – Clear ..... 0510000-6 ..... **$455.90**
– Green ..... 0510000-6G **$547.97**
– Solar Gray ..... 0510000-6S **$547.97**
Left or Right Door Window – Clear ..... 0511106-3 ..... **$112.86**
– Green ..... 0511106-3G **$132.17**
– Solar Gray ..... 0511106-3S **$132.17**
Left or Right Rear Window – Clear ..... 0512000-54 ..... **$91.33**
– Green ..... 0512000-54G **$122.51**

Cessna 170A, 1950-1951 (Serial Numbers 18729 to 20266)

Windshield – Clear ..... 0510000-15 ..... **$478.91**
– Green ..... 0510000-15G **$575.44**
– Solar Gray ..... 0510000-15S **$575.44**
Left or Right Door Window – Clear ..... 0511106-104 ..... **$112.86**
– Green ..... 0511106-104G **$132.17**
– Solar Gray ..... 0511106-104S **$132.17**
Left or Right Rear Window – Clear ..... 0512000-54 ..... **$91.33**
– Green ..... 0512000-54G **$122.51**

Cessna 170B, 1952-1955 (Serial Numbers 20267 and up)

Windshield – Clear ..... 0510001-6 ..... **$495.99**
– Green ..... 0510001-6G **$594.00**
– Solar Gray ..... 0510001-6S **$594.00**
Left or Right Door Window – Clear ..... 0511106-104 ..... **$112.86**
– Green ..... 0511106-104G **$132.17**
– Solar Gray ..... 0511106-104S **$132.17**
Left or Right Rear Window (S/N 20267 to 26504)
– Clear ..... 0512000-54 ..... **$91.33**
– Green ..... 0512000-54G **$122.51**
Left or Right Rear Window (S/N 26505 and up)
– Clear ..... 0591200-3 ..... **$83.16**
– Green ..... 0591200-3G **$95.78**
– Solar Gray ..... 0591200-3S **$95.78**

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Cessna 172

Windshield (S/N 28000 to 47747)
- – Clear ..... 0510001-6 ..... **$495.99**
- – Green ..... 0510001-6G **$594.00**
- – Solar Gray ..... 0510001-6S **$594.00**

Windshield (S/N 47748 to 49544)
- – Clear ..... 0513300-16 ..... **$613.31**
- – Green ..... 0513300-16G **$737.30**
- – Solar Gray ..... 0513300-16S **$737.30**

Windshield (S/N 49545 to 50572)
- – Clear ..... 0513230-10 ..... **$635.58**
- – Green ..... 0513230-10G **$761.06**
- – Solar Gray ..... 0513230-10S **$761.06**

Windshield (S/N 50573 and up)
- – Clear ..... 0513230-12 ..... **$635.58**
- – Green ..... 0513230-12G **$761.06**
- – Solar Gray ..... 0513230-12S **$761.06**

Cessna R172 Hawk XP and FR172 Hawk XPII

Windshield – Clear ..... 0513230-20 ..... **$859.07**
- – Green ..... 0513230-20G **$1,029.85**
- – Solar Gray ..... 0513230-20S **$1,029.85**

Cessna 175

Windshield (S/N 5001 to 5702) – Clear ..... 0513300-8 ..... **$677.90**
- – Green ..... 0513300-8G **$812.30**
- – Solar Gray ..... 0513300-8S **$812.30**

Windshield (S/N 57003 to 57119)
- – Clear ..... 0513300-16 ..... **$613.31**
- – Green ..... 0513300-16G **$737.30**
- – Solar Gray ..... 0513300-16S **$737.30**

Cessna 177

Windshield – Clear ..... 1710000-9 ..... **$1,479.80**
- – Green ..... 1710000-9G **$1,678.05**
- – Solar Gray ..... 1710000-9S **$1,678.05**

Cessna 180

Windshield (S/N 30000 to 31260)
- – Clear ..... 0791300-4 ..... **$585.83**
- – Green ..... 0791300-4G **$703.15**
- – Solar Gray ..... 0791300-4S **$703.15**

Windshield (S/N 31261 to 50355)
- – Clear ..... 0791300-7 ..... **$689.78**
- – Green ..... 0791300-7G **$827.15**
- – Solar Gray ..... 0791300-7S **$827.15**

Windshield (S/N 50356 and up)
- – Clear ..... 0713100-10 ..... **$689.78**
- – Green ..... 0713100-10G **$827.15**
- – Solar Gray ..... 0713100-10S **$927.15**

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Cessna 182

Windshield (S/N 33000 to 51556)
- – Clear ..... 0791300-7 ..... **$689.78**
- – Green ..... 0791300-7G **$827.15**
- – Solar Gray ..... 0791300-7S **$827.15**

Windshield (S/N 51557 to 53598)
- – Clear ..... 0713100-10 ..... **$689.78**
- – Green ..... 0713100-10G **$827.15**
- – Solar Gray ..... 0713100-10S **$927.15**

Windshield (S/N 53599 to 55844)
- – Clear ..... 0713600-8 ..... **$757.35**
- – Green ..... 0713600-8G **$910.31**
- – Solar Gray ..... 0713600-8S **$910.31**

Windshield (S/N 55845 to 64295)
- – Clear ..... 0713287-11 ..... **$812.30**
- – Green ..... 0713287-11G **$969.71**
- – Solar Gray ..... 0713287-11S **$969.71**

Cessna R182

Windshield – Clear ..... 0713538-3 ..... **$812.30**
- – Green ..... 0713538-3G **$969.71**
- – Solar Gray ..... 0713538-3S **$969.71**

Cessna 185

Windshield – Clear ..... 0713100-10 ..... **$689.78**
- – Green ..... 0713100-10G **$827.15**
- – Solar Gray ..... 0713100-10S **$927.15**

Cessna 190-195

Windshield – Clear ..... 0311001-19 ..... **$715.77**
- – Green ..... 0311001-19G **$857.59**
- – Solar Gray ..... 0311001-19S **$857.59**

Citabria • Decathlon

Citabria 7ECA, 7GCAA, 7GCBC and 8GCBC Scout

Windshield – Clear ..... 7-1264 ..... **$463.32**
- – Green ..... 7-1264G **$554.65**
- – Solar Gray ..... 7-1264S **$554.65**

Skylight – Clear ..... 7-1286 ..... **$211.61**
- – Green ..... 7-1286G **$253.94**
- – Solar Gray ..... 7-1286S **$253.94**

Left Front Swinging Window – Clear ..... 4-1487 ..... **$190.08**
- – Green ..... 4-1487G **$227.21**
- – Solar Gray ..... 4-1487S **$227.21**

Right Front Door Window – Clear ..... 4-1446 ..... **$192.31**
- – Green ..... 4-1446G **$229.43**
- – Solar Gray ..... 4-1446S **$229.43**

Right Rear Window – Clear ..... 7-1256-1R **$213.84**
- – Green ..... 7-1256-1RG **$256.16**
- – Solar Gray ..... 7-1256-1RS **$256.16**

Most windows and windshields listed in our catalog are not stocked by Univair, but are shipped directly from the manufacturer. Therefore, there is a minimum 8 week delivery time from the day we receive your order. If you have any questions, please feel free to contact us for price and availability of any window or windshield.

Left Rear Window – Clear	7-1256-1L	**$213.84**
– Green	7-1256-1LG	**$256.16**
– Solar Gray	7-1256-1LS	**$256.16**

Decathlon 8KCAB

Windshield – Clear	7-1418	**$500.45**
– Green	7-1418G	**$703.15**
– Solar Gray	7-1418S	**$703.15**
Skylight – Clear	7-1286	**$211.61**
– Green	7-1286G	**$253.94**
– Solar Gray	7-1286S	**$253.94**
Left Front Window – Clear	4-1487	**$190.08**
– Green	4-1487G	**$227.21**
– Solar Gray	4-1487S	**$227.21**
Right Front Door Window – Clear	4-1446	**$192.31**
– Green	4-1446G	**$229.43**
– Solar Gray	4-1446S	**$229.43**
Right Rear Window – Clear	7-1256-1R	**$213.84**
– Green	7-1256-1RG	**$256.16**
– Solar Gray	7-1256-1RS	**$256.16**
Left Rear Window – Clear	7-1256-1L	**$213.84**
– Green	7-1256-1LG	**$256.16**
– Solar Gray	7-1256-1LS	**$256.16**

Ercoupe • Forney

Ercoupe 415 and Forney

Windshield, Flat Type (No Holes) – Clear	415-31042	**$250.64**
– Green	415-31042G	**$349.72**
– Solar Gray	415-31042S	**$349.72**
Windshield, Bubble Type – Clear	F31232	**$542.77**
– Green	F31232G	**$648.95**
– Solar Gray	F31232S	**$648.95**
Right Sliding Window, Complete Assembly – Clear	415-53023	**$665.16**
Left Sliding Window, Complete Assembly – Clear	F53024	**$767.93**
Sliding Window, Glass Only – Clear	F53041	**$101.80**
– Green	F53041G	**$117.32**
– Solar Gray	F53041S	**$117.32**
Ercoupe Rear Window, Glass Only – Clear	415-31037	**$98.01**
– Green	415-31037G	**$117.32**
– Solar Gray	415-31037S	**$117.32**
Forney Rear Window, Left or Right – Clear	F31248	**$98.01**
– Green	F31248G	**$117.32**
– Solar Gray	F31248S	**$117.32**

Luscombe

Luscombe 8A and 8E

Windshield – Clear	081105-2	**$360.11**
– Green	081105-2G	**$432.14**
– Solar Gray	081105-2S	**$432.14**
Door Window, Opening Type – Clear	481107-12	**$83.90**
– Green	481107-12G	**$113.60**
– Solar Gray	481107-12S	**$113.60**
Door Window, Stationary Type – Clear	48125-2	**$105.44**
– Green	48125-2G	**$143.30**
– Solar Gray	48125-2S	**$143.30**
Left or Right Rear Window – Clear	19139	**$60.14**
– Green	19139G	**$80.93**
– Solar Gray	19139S	**$80.93**
Skylight – Clear	08011-2	**$56.43**
– Green	08011-2G	**$66.83**
– Solar Gray	08011-2S	**$66.83**

Mooney

Mooney M-10 Cadet

Left Windshield Half – Clear	A13260-7	**$257.65**
– Green	A13260-7G	**$304.43**
– Solar Gray	A13260-7S	**$304.43**
Right Windshield Half – Clear	A13260-8	**$257.65**
– Green	A13260-8G	**$304.43**
– Solar Gray	A13260-8S	**$304.43**
Canopy Window – Clear	A13270-6	**$567.27**
– Green	A13270-7	**$567.27**
– Solar Gray	A13270-6S	**$645.98**
Left Rear Window – Clear	310265-019	**$61.63**
– Green	310265-019G	**$71.28**
– Solar Gray	310265-019S	**$83.90**
Right Rear Window – Clear	310265-020	**$61.63**
– Green	310265-020G	**$71.28**
– Solar Gray	310265-020S	**$83.90**

Navion

Navion (Standard Type Windows)

Left Half Windshield – Clear	31801-87	**$227.95**
– Green	31801-87G	**$268.79**
– Solar Gray	31801-87S	**$268.79**
Right Half Windshield – Clear	31801-88	**$227.95**
– Green	31801-88G	**$268.79**
– Solar Gray	31801-88S	**$268.79**

Left Front Canopy Window – Clear ..... 31801-17 ..... **$198.25**
– Green ..... 31801-17G **$236.86**
– Solar Gray ..... 31801-17S **$236.86**
Right Front Canopy Window – Clear ..... 31801-18 ..... **$154.44**
– Green ..... 31801-18G **$185.63**
– Solar Gray ..... 31801-18S **$185.63**
Left Rear Canopy Window – Clear ..... 31801-23 ..... **$183.40**
– Green ..... 31801-23G **$158.90**
– Solar Gray ..... 31801-23S **$158.90**
Right Rear Canopy Window – Clear ..... 31801-24 ..... **$183.40**
– Green ..... 31801-24G **$158.90**
– Solar Gray ..... 31801-24S **$158.90**
Back Window – Clear ..... 31801-45 ..... **$165.58**
– Green ..... 31801-45G **$195.28**
– Solar Gray ..... 31801-45S **$195.28**

Piper

Piper J-3

Windshield – Clear ..... 10009-000 ..... **$265.82**
– Green ..... 10009-000G **$318.53**
– Solar Gray ..... 10009-000S **$318.53**
Skylight – Clear ..... 10056-000 ..... **$131.42**
– Green ..... 10056-000G **$153.70**
– Solar Gray ..... 10056-000S **$153.70**
Left Front Triangle Window – Clear ..... 10041-000 ..... **$75.74**
– Solar Gray ..... 10041-000S **$81.68**
Left Pilot Sliding Window Assembly – Clear ..... U50761-000 ..... **$264.45**
– Green ..... U50761-000G **$280.84**
– Solar Gray ..... U50761-000S **$280.84**
Left Pilot Sliding Window, Glass Only – Clear ..... U50761-002 ..... **$76.13**
– Green ..... 50761-000GLG **$152.96**
– Solar Gray ..... 50761-000GLS **$152.96**
Left Rear Window – Clear ..... 10046-000 ..... **$114.35**
– Green ..... 10046-000G **$137.36**
– Solar Gray ..... 10046-000S **$137.36**
Right Rear Window – Clear ..... 10047-000 ..... **$84.65**
– Green ..... 10047-000G **$101.72**
– Solar Gray ..... 10047-000S **$101.72**
Door Window – Clear ..... 10051-000 ..... **$162.61**
– Green ..... 10051-000G **$205.67**
– Solar Gray ..... 10051-000S **$205.67**

Piper J-4

Windshield – Clear ..... 00079-020 ..... **$471.49**
– Green ..... 00079-020G **$530.15**
– Solar Gray ..... 00079-020S **$530.15**

Piper J-5

Windshield – Clear ..... 52412-000 ..... **$458.12**
– Green ..... 52412-000G **$514.55**
– Solar Gray ..... 52412-000S **$514.55**

Piper J-5C

Windshield, Round Type – Clear ..... 10212-000 ..... **$432.14**
– Green ..... 10212-000G **$485.60**
– Solar Gray ..... 10212-000S **$485.60**

Piper PA-11

Windshield – Clear ..... 10673-000 ..... **$332.64**
– Green ..... 10673-000G **$432.14**
– Solar Gray ..... 10673-000S **$432.14**
Skylight – Clear ..... 10056-000 ..... **$131.42**
– Green ..... 10056-000G **$153.70**
– Solar Gray ..... 10056-000S **$153.70**
Left Front Triangle Window – Clear ..... 10041-000 ..... **$75.74**
– Solar Gray ..... 10041-000S **$81.68**
Sliding Window Assembly – Clear ..... U50761-000 ..... **$264.45**
– Green ..... U50761-000G **$280.84**
– Solar Gray ..... U50761-000S **$280.84**
Sliding Window, Glass Only – Clear ..... U50761-002 ..... **$76.13**
– Green ..... 50761-000GLG **$152.96**
– Solar Gray ..... 50761-000GLS **$152.96**
Left Rear Window – Clear ..... 10544-000 ..... **$114.35**
– Green ..... 10544-000G **$137.36**
– Solar Gray ..... 10544-000S **$137.36**
Right Rear Window – Clear ..... 10545-000 ..... **$64.60**
– Green ..... 10545-000G **$76.48**
– Solar Gray ..... 10545-000S **$76.48**
Door Window – Clear ..... 10051-000 ..... **$162.61**
– Green ..... 10051-000G **$205.67**
– Solar Gray ..... 10051-000S **$205.67**

Piper PA-12

Windshield, Early Round Type – Clear ..... 10212-000 ..... **$432.14**
– Green ..... 10212-000G **$485.60**
– Solar Gray ..... 10212-000S **$485.60**
Windshield, Late Square Type – Clear ..... 10680-000 ..... **$484.11**
– Green ..... 10680-000G **$544.25**
– Solar Gray ..... 10680-000S **$544.25**
Left Rear Window – Clear ..... 10220-000 ..... **$121.77**
– Green ..... 10220-000G **$137.36**
– Solar Gray ..... 10220-000S **$137.36**
Right Rear Window – Clear ..... 10229-000 ..... **$127.71**
– Green ..... 10229-000G **$144.05**
– Solar Gray ..... 10229-000S **$144.05**
Front Left Sliding Window – Clear ..... 10331-000 ..... **$153.70**
– Green ..... 10331-000G **$173.00**
– Solar Gray ..... 10331-000S **$173.00**
Door Window – Clear ..... 10593-000 ..... **$99.50**
– Green ..... 10593-000G **$111.38**
– Solar Gray ..... 10593-000S **$111.38**
Windshield, Square Top – Clear ..... 10680-000 ..... **$484.11**
– Green ..... 10680-000G **$544.25**
– Solar Gray ..... 10680-000S **$544.25**

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Piper PA-14

Windshield – Clear	11174-000	**$512.33**
– Green	11174-000G	**$575.44**
– Solar Gray	11174-000S	**$575.44**

Piper PA-15, PA-16 and PA-17

Windshield – Clear	11631-000	**$455.15**
– Green	11631-000G	**$547.22**
– Solar Gray	11631-000S	**$547.22**

Piper PA-18

Windshield, 95hp – Clear	12248-000	**$373.48**
– Green	12248-000G	**$446.99**
– Solar Gray	12248-000S	**$446.99**
Windshield, 105-150hp – Clear	12430-000	**$373.48**
– Green	12430-000G	**$429.17**
– Solar Gray	12430-000S	**$429.17**
Skylight (PA-18A, S/N 1215 to 3013) – Clear	12249-000	**$193.05**
– Green	12249-002	**$230.92**
– Solar Gray	12249-000S	**$230.92**
Skylight (PA-18, S/N 3014 and up) – Clear	13433-000	**$193.05**
– Green	13433-002	**$193.05**
– Solar Gray (13433-000S)	13433-002S	**$230.92**
Door Window – Clear	12279-000	**$163.35**
– Green	12279-000G	**$196.02**
– Solar Gray	12279-000S	**$196.02**
Left or Right Rear Window – Clear	10545-000	**$64.60**
– Green	10545-000G	**$76.48**
– Solar Gray	10545-000S	**$76.48**
Left Pilot Window – Clear	12253-000	**$66.83**
– Green	12253-000G	**$74.25**
– Solar Gray	12253-000S	**$74.25**
Front Sliding Window, Complete Assembly – Clear	U12254-000	**$550.82**
– Green	U12254-000G	**$544.02**
– Solar Gray	U12254-000S	**$544.02**
Front Sliding Window, Glass Only – Clear	U12254-002	**$86.76**
– Green	12254-002G	**$95.78**
– Solar Gray	12254-002S	**$95.78**
Rear Sliding Window, Complete Assembly – Clear	U12255-000	**$458.71**
– Green	U12255-000G	**$465.51**
– Solar Gray	U12255-000S	**$544.02**
Rear Sliding Window, Glass Only – Clear	U12255-002	**$86.76**
– Green	U12255-002G	**$114.64**
L21 Greenhouse Window – Clear (12250-004)	12250-003	**$216.07**
– Green	12250-003G	**$258.39**
– Solar Gray	12250-003S	**$258.39**

Piper PA-20 and PA-22 (Pacer, Tri-Pacer and Colt)

Windshield, Flat Type – Clear	13432-000	**$455.15**
– Green	13432-000G	**$547.22**
– Solar Gray	13432-000S	**$547.22**
Windshield, Bubble Type – Clear	13432-002	**$455.15**
– Green	13432-002G	**$547.22**
– Solar Gray	13432-002S	**$547.22**

Piper PA-23 Apache

Windshield (S/N 1 to 1501) – Clear	18163-008	**$1,307.54**
– Green	18163-008G	**$1,571.13**
– Solar Gray	18163-008S	**$1,571.13**
Left Half Windshield (S/N 1502 and up) – Clear	19512-004	**$498.22**
– Green	19512-004G	**$596.23**
– Solar Gray	19512-004S	**$596.23**
Right Half Windshield (S/N 1502 and up) – Clear	19512-005	**$498.22**
– Green	19512-005G	**$596.23**
– Solar Gray	19512-005S	**$596.23**

Piper PA-24 Comanche

Left Windshield Half – Clear	20677-014	**$317.05**
– Green	20677-014G	**$379.42**
– Solar Gray	20677-014S	**$379.42**
Right Windshield Half – Clear	20677-013	**$317.05**
– Green	20677-013G	**$379.42**
– Solar Gray	20677-013S	**$379.42**

Piper PA-25 Pawnee

Windshield (S/N 1 to 655) – Clear	61312-000	**$253.94**
– Green	61312-000G	**$299.97**
– Solar Gray	61312-000S	**$299.97**
Windshield (S/N 656 and up) – Clear	61802-003	**$253.94**
– Green	61802-003G	**$299.97**
– Solar Gray	61802-003S	**$299.97**

Seabee

Left Windshield – Clear	1040	**$334.87**
– Green	1040G	**$401.69**
– Solar Gray	1040S	**$401.69**
Right Windshield – Clear	1036	**$334.87**
– Green	1036G	**$401.69**
– Solar Gray	1036S	**$401.69**

Stinson

Stinson L-5

Left Half Windshield – Clear	76-31073-0	**$219.04**
– Green	76-31073-0G	**$261.36**
– Solar Gray	76-31073-0S	**$261.36**
Right Half Windshield – Clear	76-31073-1	**$219.04**
– Green	76-31073-1G	**$261.36**
– Solar Gray	76-31073-1S	**$261.36**
Windshield, 1-piece – Clear	76-31073-2	**$468.52**
– Green	76-31073-2G	**$562.82**
– Solar Gray	76-31073-2S	**$562.82**

Left Rear Window – Clear ..... 76-31126-0 ..... **$219.04**
– Green ..... 76-31126-0G **$258.39**
– Solar Gray ..... 76-31126-0S **$258.39**
Right Rear Window – Clear ..... 76-31126-1 ..... **$219.04**
– Green ..... 76-31126-1G **$258.39**
– Solar Gray ..... 76-31126-1S **$258.39**

Stinson 108, 108-1, 108-2 and 108-3

Left Half Windshield – Clear ..... 108-3002208-6 ..... **$282.89**
– Green ..... 108-3002208-6G **$340.07**
– Solar Gray ..... 108-3002208-6S **$340.07**
Right Half Windshield – Clear ..... 108-3002208-7 ..... **$282.89**
– Green ..... 108-3002208-7G **$340.07**
– Solar Gray ..... 108-3002208-7S **$340.07**
Left or Right Rear Window
(S/N 1 to 3499) – Clear ..... 108-3001212 ..... **$96.53**
– Green ..... 108-3001212G **$130.68**
– Solar Gray ..... 108-3001212S **$130.68**
(S/N 3500 and up) – Clear ..... 108-3002212 ..... **$65.34**
– Green ..... 108-3002212G **$72.77**
– Solar Gray ..... 108-3002212S **$72.77**
Forward Window Assembly, Left Door
(S/N 1 to 1989) – Clear ..... 108-3001211-54 ..... **$244.21**
– Green ..... 108-3001211-54G **$397.88**
– Solar Gray ..... 108-3001211-54S **$397.88**
(S/N 1990 to 3499) – Clear ..... 108-3002211-26 ..... **$234.97**
– Green ..... 108-3002211-26G **$297.39**
– Solar Gray ..... 108-3002211-26S **$338.18**
(S/N 3500 and up) – Clear ..... 108-3002211-90 ..... **$409.29**
– Green ..... 108-3002211-90G **$351.89**
– Solar Gray ..... 108-3002211-90S **$464.72**
Forward Window Assembly, Right Door
(S/N 1 to 1989) – Clear ..... 108-3001211-55 ..... **$243.45**
– Green ..... 108-3001211-55G **$397.88**
– Solar Gray ..... 108-3001211-55S **$397.88**
(S/N 1990 to 3499) – Clear ..... 108-3002211-27 ..... **$262.06**
– Green ..... 108-3002211-27G **$297.39**
– Solar Gray ..... 108-3002211-27S **$338.18**
(S/N 3500 and up) – Clear ..... 108-3002211-91 ..... **$420.56**
– Green ..... 108-3002211-91G **$351.89**
– Solar Gray ..... 108-3002211-91S **$464.72**
Rear Window Assembly, Left Door
(S/N 1 to 1989) – Clear ..... 108-3001211-56 ..... **$259.32**
– Green ..... 108-3001211-56G **$386.62**
– Solar Gray ..... 108-3001211-56S **$386.62**
(S/N 1990 and up) – Clear ..... 108-3002211-28 ..... **$204.34**
– Green ..... 108-3002211-28G **$246.04**
– Solar Gray ..... 108-3002211-28S **$246.03**
Rear Window Assembly, Right Door
(S/N 1 to 1989) – Clear ..... 108-3001211-57 ..... **$167.70**
– Green ..... 108-3001211-57G **$386.62**
– Solar Gray ..... 108-3001211-57S **$386.62**
(S/N 1990 and up) – Clear ..... 108-3002211-29 ..... **$249.43**
– Green ..... 108-3002211-29G **$246.04**
– Solar Gray ..... 108-3002211-29S **$246.03**

Swift

Bubble Windshield, 1-piece – Clear ..... 1337-BUB **$531.63**
– Green ..... 1337-BUBG **$638.55**
– Solar Gray ..... 1337-BUBS **$638.55**
Left Half Windshield – Clear ..... 1337-4 ..... **$218.30**
– Green ..... 1337-4G **$259.13**
– Solar Gray ..... 1337-4S **$259.13**
Right Half Windshield – Clear ..... 1337-1 ..... **$218.30**
– Green ..... 1337-1G **$259.13**
– Solar Gray ..... 1337-1S **$259.13**
Left or Right Rear Window, Late Model – Clear ..... 5052 ..... **$135.14**
– Green ..... 5052G **$163.35**
– Solar Gray ..... 5052S **$163.35**
Left Rear Window, Early Model – Clear ..... 1220-1L **$281.41**
– Green ..... 1220-1LG **$379.42**
– Solar Gray ..... 1220-1LS **$248.00**
Right Rear Window, Early Model – Clear ..... 1220-1R **$207.90**
– Green ..... 1220-1RG **$248.00**
– Solar Gray ..... 1220-1RS **$248.00**
Left or Right Sliding Window – Clear ..... 2723 ..... **$281.41**
– Green ..... 2723G **$379.42**
– Solar Gray ..... 2723S **$379.42**

Taylorcraft

Taylorcraft BC12D

Windshield – Clear ..... 1551 ..... **$421.74**
– Green ..... 1551G **$501.93**
– Solar Gray ..... 1551S **$501.93**

Taylorcraft B 1940-1941 Pre-War BC65

Windshield – Clear ..... B-A700 ..... **$430.65**
– Green ..... B-A700G **$513.07**
– Solar Gray ..... B-A700S **$513.07**

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Meguiar's Clear Plastic Cleaner has an exclusive non-scratching formula which effectively cleans without the usual harsh abrasives.

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