

CLASSIC AIRPLANES INSPECTION REPORT

J-2 SERIES CUB
J-3, NE-1, L-4 SERIES CUB
J-4 SERIES COUPE
J-5, J-5C, L-14, AE-1, HE-1 SERIES CUB CRUISER
PA-11 CUB SPECIAL
PA-12 SUPER CRUISER
PA-14 FAMILY CRUISER
PA-15 AND PA-17 VAGABOND
PA-16 CLIPPER

NOTE

This inspection report provides recommendations for an inspection program per requirements of FAR Part 43 and Advisory Circular 91-60 (The Continued Airworthiness of older Airplanes). This is a comprehensive inspection report designed to encompass more than one model airplane. It will be neccessary to determine which inspection item is applicable to the particular airplane being inspected.

PIPER AIRCRAFT CORPORATION

PIPER AIRCRAFT CORPORATION INSPECTION REPORT

THIS FORM MEETS REQUIREMENTS OF FAR PART 43

Make	CLASSIC AIRPLANES	Model AE-1, HE-	J-2, J-3, J-4, J-5, J-5C HE-1, PA-11, -12, -14, -15, -1						Serial No.	Registration No.														
5	Circle Type of Inspection (Sec 0 100 500 1000	e Note) Annual	Q	100	90	000	Inspector		orm inspection or operation at ection intervals as indicated by		50	100	00	1000	Inspector									
DESCRIPTION			r.c	1	2	-	Ins		DESCRIPTION		3	Т	5	-	Ins									
A. PROPELLER GROUP 1. Inspect spinner and back plate for damage							32. i	Overhaul or replace vacuum pun if applicable (See Note 8) Inspect Venturi Installation			0	0	00											
2.	and security, if applicable Inspect blades for nicks and cracks Inspect spinner mounting brackets		00	0	0	0		34.	Inspect throttle, carburetor heat, controls for travel and operating Inspect exhaust stacks, connection	condition ons and		0	0											
4.	and security	nd safety	0	0	0			35. I	gaskets (Replace exhaust gaskets Inspect muffler, heat exchanger Inspect exhaust stack braces	and baffles	0	000	000	000										
5. Recondition propeller or overhaul (See Note 5) B. ENGINE GROUP					0		38. ¢	Inspect breather tube for obstruc security	AC43.13-1A)		000	000	000											
	TION: Ground Magneto Primary before working on engine. Remove engine cowl		0	0	0	0		40. I	Inspect crankcase for cracks, leal security of seam bolts	ks and		0	0	0	4									
2.	Clean and inspect cowling for cractortion and loose or missing faster Drain oil sump (See Note 6)	cks, dis- ners	0	0	00	00		ļ ļ	Inspect wiring to engine and acc Replace damaged wires and clar Inspect terminals for security and	nps. d cleanliness		0	0	0										
4.	Clean suction oil strainer at oil che strainer for foreign particles, See I Clean pressure oil strainer (Inspec	ange (Inspect Note 6)	0	0	0			42. I	if applicablespect engine mounts for cracks mountingsspect rubber engine mount bus	and loose		0	0	0										
1	foreign particles)	t for leaks	0	0	0	0		44. I	nspect rubber engine mount bus See Note 9)	nage and		0	0	0										
1	Inspect oil lines and fittings for leachafing, dents and cracks (See No Clean and inspect oil radiator cool	te 7)		0	0	0		45. l 46. l	Inspect condition of fire wall seal Inspect condition and tension of alternator drive belt if applicable	sgenerator or		0	0	0										
9.	damage, if applicable	pplicable	0	000	000	000		47. l	Inspect condition of generator or and starter if applicable	alternator		00	00	00										
11.	Clean engine	lean and		0	0			49. (Complete an controls	eplace with		0	0	000										
13.	Manufacturer recommendations) . Inspect ignition harness and insultension leakage and continuity)	ators (High		0	0			c. c	ABIN GROUP															
15.	Check magneto points for proper of per recommendations of Engine M Inspect magneto for oil seal leakage.	lanufacturer ge		0	0	0			Inspect cabin entrance, doors, ba compartment door and windows damage, operation and security .	for		0	0	0										
	Inspect breaker felts for proper lub Inspect distributor block for cracks areas or corrosion, and height of c	, burned contact		0				3. I 4. I	Inspect all plexiglas for cracks Inspect upholstery for tears Inspect seats, seat belts, security	brackets		0	00 0	00 0										
19.	springs if applicable			0	0	000		5. I 6. I	and bolts	ment		000	0	000										
	Manufacturer recommendations Remove air filter and clean (Repla required)	ce as	0	0	0	0		8. I	cables	and safety		0	0	0										
	Drain carburetor and clean inlet li strainer	ne fuel	0	-	0			9. I 10. (Inspect controls for ease of opera Check landing, navigation, cabin instrument lights if applicable	ation		0	0	0										
	Inspect intake seals and hoses for and clamps for tightness	leaks		0	0			11. 1	Inspect fuse box for burned out fapplicable	uses if		0	00	00										
	Remove drain and clean fuel filter screen (Drain and clean every 90 Inspect condition of flexible fuel a	bowl and days.)	0	-		Ī		13.	Inspect gyro operated instrument applicable (Overhaul or replace a Replace filters on gyro horizon ar	s if s required)		0		0										
27.	Replace flexible fuel lines (Every 5 Inspect fuel system for leaks	years)		0	0	000		15. i	gyro if applicable	tor filter		0	0	0										
29.	Inspect and lubricate fuel selector if applicable	valve		0	0	-		16. i	nspect altimeter (Calibrate altimates accordance with FAR 91.170, if a inspect operation of fuel selector	eter system in appropriate.)		0	0	0										
30.	Inspect vacuum pump, lines and s if applicable			0	0	0			applicable (See Note 9)			0	0	0										
Owne	r		•			-				· · · · · · · · · · · · · · · · · · ·	1		Owner											

Circle Type of Inspection (See Note) 50 100 500 1000 Annual	20	100	06	1000	nspector	Perform inspection or operation at each of the inspection intervals as indicated by a circle (()). DESCRIPTION
DESCRIPTION		Ĭ	2	=	Insp	DESCRIPTION DESCRIPTION
C. CABIN GROUP (cont) 18. Inspect condition of heater control and duct if applicable		0	0 0	0		7. Inspect wing attachment bolts for security
D. FUSELAGE AND EMPENNAGE GROUP 1. Remove inspection plates and panels		0		0		(Insure AD 80-22-15 for inspection and replacement is complied with)
Inspect fabric and finish for cracks and deterioration (If condition of fabric is doubtful, refer to FAA AC 43.13-1A to test fabric use strip test method)		0		0		10. Inspect aileron, flap if applicable and wing structure for damage and corrosion
Check that fuel tank is marked for minimum octane rating if applicable		0		0		12. Inspect aileron hinge pins and blocks for excess wear and corrosion (Replace pins and blocks as required.)
4. Check that fuel tank is marked for capacity if applicable		0	0	0		13. Inspect flap attachments and brackets for tightness, corrosion and damage if applicable O O O
5. Inspect fuel tank and lines for damage, leaks, water and seals for deterioration, and cap for venting if applicable		0	1			14. Inspect flap bellcrank, control rod, pins and blocks for excess wear and corrosion if applicable. (Replace pins and blocks as required) 15. Lubricate all controls where applicable
and condition if applicable		0	0			16. Reinstall inspection plates, panels and fairings OOO
Inspect electronic installations for security if applicable			0			F. LANDING GEAR GROUP 1. Remove fairings and shock cord covers
Inspect antenna mounts and electric wiring for damaged insulation and security			_			if applicable
if applicable			0	0		deterioration
Service Letter No. 820)		0		0		4. Hoist airplane, inspect gear, cabane and shock strut bolts and bushings for excess wear and corrosion (Replace bolts and/or bushings as
12. Inspect fuselage longerons and stringers for damage		0		0		required)
13. Inspect fuselage frame tubing for corrosion, damage and deterioration14. Inspect rudder, stabilizer and rudder		0	0	0		weakness (Replace cords and/or shock struts as necessary)
structures for damage		0	-			6. Inspect gear wheel alignment (0° Toe in/out)
damage		0	0	0		8. Remove wheels, clean, inspect and repack bearings
excess wear and corrosion (Replace pins and/ or bushings as required)		0	0	0		9. Inspect wheels for cracks, corrosion and broken bolts
and security if applicable		0		0		10. Check main wheel tire pressure (800 x 4-24 PSI, or if applicable 600 x 6-28 PSI)
tube for side play if applicable	1	0		0		wear. (Replace brake lining as neccessary)
20. Inspect elevator attachments and horn for damage		0				and security
21. Inspect elevator hinge pins and bushings for excess wear and corrosion (Replace pins and/or bushings as required)			0			Hayes installation
22. Lubricate all controls where applicable		0		0		required)
E. WING GROUP1. Remove inspection plates, panels, and fairings		0	0	0		and safety
Inspect fabric and finish for cracks and deteri- oration (If condition of fabric is doubtful, refer to FAA AC 43.13-1A to test fabric use	Ī					17. Inspect tail wheel for cuts and uneven or excessive wear
strip test method)		0	0	0		18. Remove tail wheel, clean, check and repack bearings
leaks and water, seals for deterioration and caps for proper venting if applicable		0		0		broken bolts
Check fuel tank(s) marked for minimum octane rating		0				(30 PSI)
Inspect aileron and if applicable flap cables, turnbuckles, guides and pulleys for safety, damage, corrosion and operation			0			22. Lubricate all pivot points where applicable 0 0 0 0 0 23. Install fairings and shock cord covers

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Circle Type of Inspection (See Note) 50 100 500 1000 Annual	50	00	200	1000	Inspector	Perform inspection or operation at each of the inspection intervals as indicated by a circle (()).	50	100	500	1000	Inspector
DESCRIPTION	ß		2	1	Ins	DESCRIPTION			2	_	Ins
G. FLOAT GROUP (If Applicable)						I. OPERATIONAL INSPECTION					
Inspect float attachment fittings		000 0	000 0	0		Check fuel tank selector Check fuel quantity. Check oil pressure and temperature Check generator output if applicable. Check carburetor heat	000000	00000	000	00000	
H. AGRICULTURAL GROUP (If Applicable) Check oil level - duster gear box Inspect universal drive joints	0		00000	00000		8. Check gyros for noise and roughness if applicable	0000 0	0000 0	Ō	-	
6. Inspect top hopper tank door	000	14. Check electronic equipment operation if applicable	0	0	0	0 0 0	v				
 Check agitator operation	0000		0000	0000		Aircraft conforms to FAA Specifications All FAA Airworthiness Directives complied				0	
16. Inspect spray pump mount assembly	0	U	U	U		with. 3. All Manufacturers Service Letters and Bulletins complied with. 4. Check for proper Flight Manual. (See Note 11) 5. Aircraft papers in proper order	0	00	0 000	00	

NOTES:

- Refer to the last card of the Piper Parts Price List Aerofiche, for a check list of current revision dates to Piper Inspection Reports and Manuals.
- 2. All inspections or operations are required at each of the inspection intervals as marked by a (O). Both the annual and 100 hour inspections are complete inspections of the airplane, identical in scope, while both the 500 and 1000 hour inspections are extensions of the annual or 100 hour inspection, which require a more detailed examination of the airplane, and overhaul or replacement of some major components. Inspections must be accomplished by persons authorized by the FAA.
- 3. Piper Service Bulletins are of special importance and Piper considers compliance mandatory.
- Piper Service Letters are product improvements and service hints pertaining to servicing the airplane and should be given careful attention.
- 5. Overhaul or recondition, (Per latest Hartzell Service Letter 61, or per McCauley Service Bulletin 137B) the recommended flight time between reconditioning for Sensenich fixedpitch metal propellers is 1000 hours, provided the propeller has not received prior damage requiring immediate attention. Reconditioning accomplishes the removal of fatigued surface metal and accumulated small nicks and cuts too numerous to repair individually. Contact a Sensenich factory approved repair station.
- 6. A. Lycoming Intervals between oil changes can be increased as much as 100% on engines equipped with full flow cartridge type oil filters, provided the element is replaced each 50 hours of operation and the specified octane fuel is used. Should fuel other than the specified octane rating for the power plant be used, refer to Lycoming Service Letter No. L185A for additional information and recommended service procedures.
 - Continental Every 100 hours remove oil sump, clean suction tube screen, replace oil sump and safety.
- Replace flexible oil lines at Engine T.B.O. per latest Lycoming Service Bulletin No. 240, or every five years in service.
- 8. Replace or overhaul as required or at engine overhaul.
 - A. Lycoming For engine overhaul, refer to the latest revision of Lycoming Service Letter No. L201A.
 - B. Continental For engine overhaul, refer to the latest revision of Continental Service Bulletin M74-20.
- Inspect rubber mount for severe cracking, signs of high temperature of burning, separation of rubber from metal surfaces, excessive "sag" or permanent deflection resulting in internal bottoming with spacer, engine and cowl interference and unusual vibration. The rubber mounts must be replaced no later than engine T.B.O.
- Refer to latest revisions of Piper Service Bulletin No. 354 and Service Letter No. 944. Lubricate fuel selector valve, if valve has 500 hours or more total time in service, within next 100 hours of operation and every 500 hours thereafter. Use Dow Corning Molycoat No. FS-3451 or FS-3452, Piper Part No. 761-281.
- 11. The models J-2, J-3,NE-1, L-4, J-4, J-5, J-5C, L-14, AE-1, HE-1 and PA-11 aircraft were licensed under Part-04 of Civil Air Regulations and therefore do not require flight manuals; However, do require an "Operations Limitations Certificate. This certificate was obtained from your local F.A.A. Regional Office.