



# UNIVAIR AIRCRAFT CORPORATION

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## UNIVAIR®

UNIVAIR MANDATORY SERVICE BULLETIN LPC-1: Amend. A  
Supersedes Service Bulletin LPC-1, Dated October 24, 1995  
DATE: SEPTEMBER 17, 2004

SUBJECT: Mandatory Landing Gear Product Improvement

APPLICABILITY: Piper PA-22 aircraft modified to taildragger configuration using STC-SA45RM.

PARTS AFFECTED: LPC-1012 series landing gear vees produced by Univair Aircraft Corporation or Light Plane Components with part numbers L1012-00, L1012-01, L1012-40, L1012-41, L1012-50 and L1012-51. These STC-PMA'd gears were produced identical to the original Piper PA-20 gear design with the exception of the axle size prior to January 25, 1990.

To preclude the possibility of failure at the upper shock strut-drag tube area of the LPC 1012 series landing gear vees used in the STC-SA45RM taildragger modification a second gusset has been added to the upper end of the streamline brace tube. This new gusset is welded between the forward edge of the streamline tube and the forward upper brace tube near the hydrasorb attach socket (see detail drawings for exact location). The addition of this gusset, P/N L1012-61 will preclude the possibility of landing gear failure and other possible damage to the aircraft. Gear vees with two gussets at the upper end of the streamline tube were produced after January 25, 1990 or have already been modified per the 1995 bulletin and are not affected by this bulletin.

In addition to the gussets, the weld beads between the streamline tube and the upper brace tubes should be extended as far as possible on the leading edge and built up on the trailing edge as shown in the detail drawings. To reduce fire danger, the airplane should be properly supported and the gear vees removed from the aircraft to perform all welding operations. Inspect the gear and gear attach fittings while it is removed for any indication of wear, cracks, or damage. Repair any unairworthy conditions prior to returning aircraft to service. Touch up paint as required prior to gear vee installation.

Univair will supply at no charge, upon request, two gussets P/N L1012-61 which should be welded onto the affected gear vees in accordance with AC43.13-1B Chapter 4, Section 5. Refer to the detail drawing for location and welding requirements. For more information or to obtain gussets, please contact Univair at 303-375-8882 or FAX 303-375-8888.

COMPLIANCE TIME: Inspect and update within the next 5 hrs. of operation.

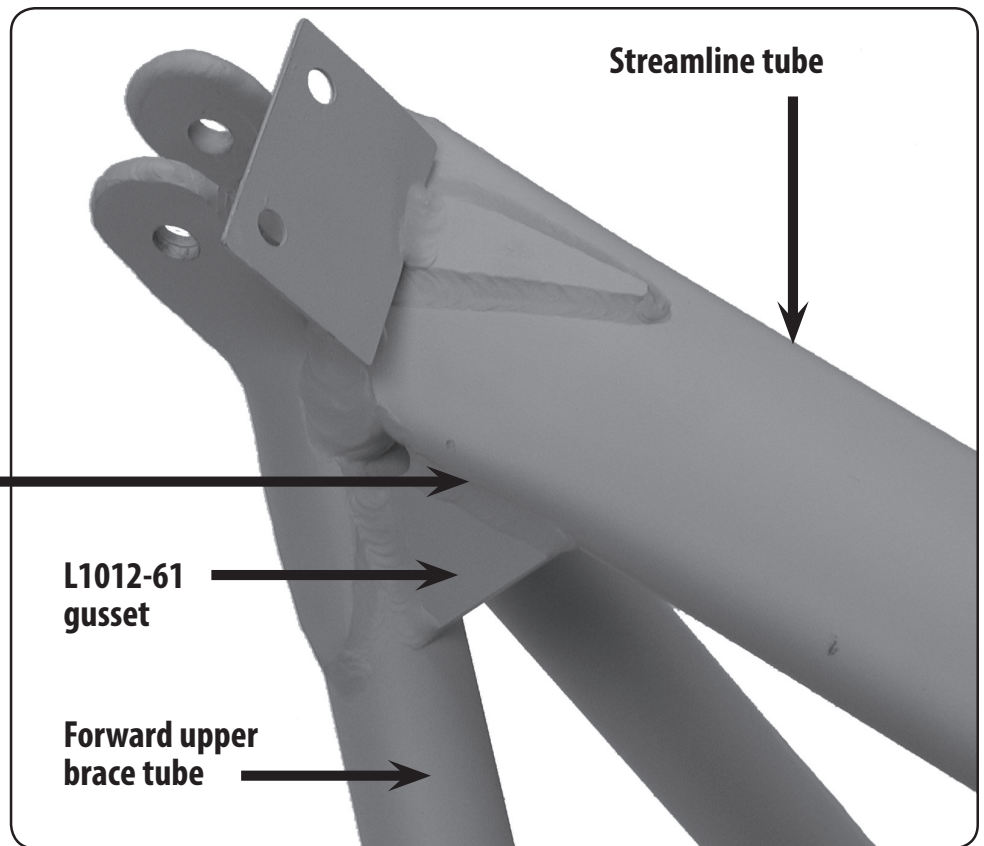
Sincerely,

B. Craig Baldwin  
Univair Engineering Department

**Note: This mandatory bulletin is applicable to taildragger conversions ONLY. It does not apply to standard Tri-Pacers.**

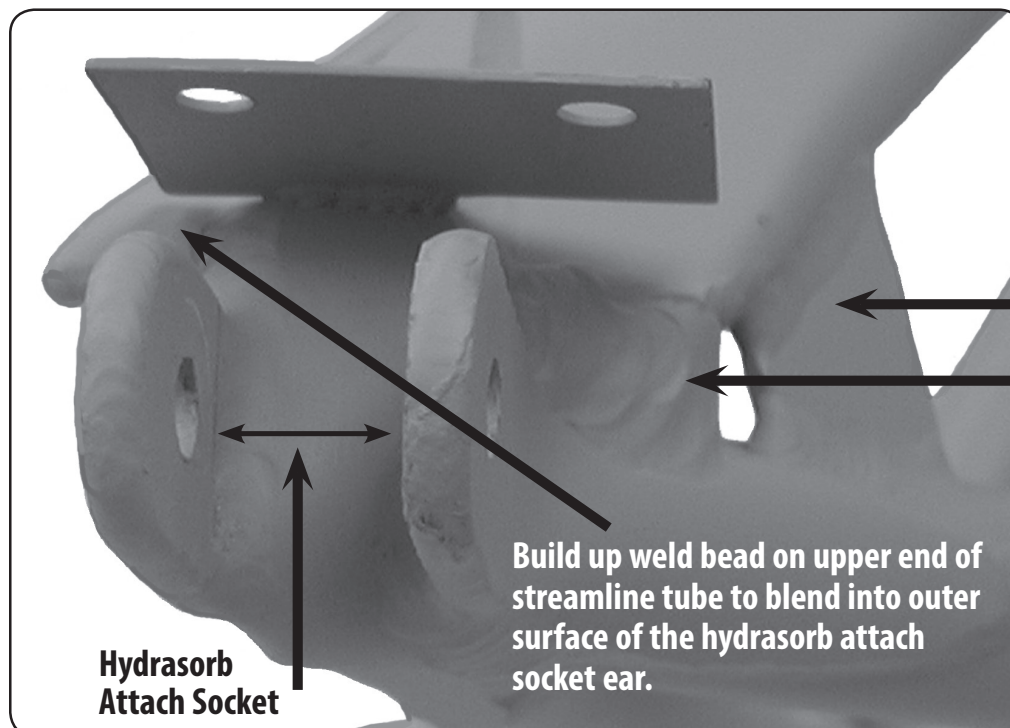
**View Looking Aft  
Right Hand Gear Shown**

**Weld approximately  
1/16" – 1/8" from edge  
of streamline tube.**



**End View**

**Right Hand Gear Shown**



**L1012-61 gusset**

**Extend this weld bead as  
far as possible between  
streamline tube and  
forward upper brace tube.**