



SERVICE LETTER #31

DATE: August 15, 1994

SUBJECT: Tail Skid Bushing

APPLICABILITY: All Vixen 1200 aircraft with the following serial numbers: DBT-001, ECV-001 thru 007, ECV-009, FCV-008, GCV-010, HCV-011 thru 012, ICV-013 thru 018, JCV-019 thru 022, KCV-024, LCV-023, LCV-025 thru 026, ADV-027 thru 030.

COMPLIANCE: As required

FROM: SkyStar Aircraft Engineering Department

It has been discovered that some Vixen 1200 aircraft have been shipped without the welded tail skid mounting bushing. We have developed a retrofit kit P/N 10235.000 to allow the installation of a tail skid bushing to those aircraft that are missing one, without the need for welding.

Inspect your fuselage just forward of the tail post to determine the presence or absence of the welded in bushing mounting plate and bushing. If you are missing those components, contact SkyStar's customer service department for a no charge retrofit kit.

We think you will find that the retrofit kit is very easy to install, and we regret any inconvenience our omission may have caused.



SERIES 5 - VIXEN (1200 lb.)

TAIL SKID RETROFIT KIT INSTRUCTIONS

(P/N 10225.000)

MODEL Vixen 1200	CHAPTER	SECTION Tail Skid Retrofit Kit	REV.	DATE	PAGE 1
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Tail Skid Retrofit Kit Instructions

These instructions describe the installation of the tail skid retrofit kit for those Vixen 1200 aircraft that were shipped without the welded bushings. To install the retrofit kit, the fuselage must not have had its fabric covering completed. It doesn't matter if the wooden airfoil ribs have been installed in the tail, as they do not interfere with the installation.

1. Prep the fuselage tubing in the area of the retrofit plates for bonding; also prep the plates themselves. The best preparation method is to solvent wipe the surfaces, roughen them with 120 grit sandpaper or red scotch brite, and then give them a final solvent wipe just prior to the application of the adhesive.
2. Put the tail skid into place by sliding its aft pin into the bushing welded into the bottom of the tail post tube. Insert the skid mounting bolt through the bolt hole in the skid, and into the internally threaded bushing of the lower retrofit skid mounting plate. If you have already installed your wooden airfoil ribs, you will have to notch the lowest rib to allow the bottom plate to sit against the fuselage tubing. If you install the plates before the ribs go on, notch the rib as required to clear the plate during its installation.
3. Put the top plate into position over the bushing on the lower plate, so that the two plates sandwich the fuselage cross tubing. A scrap of aluminum 1/16" thick should be put under the plate at the forward end to help level the plate between the tubes. Let the skid and bolt determine the correct position of the plates. When they have been properly located, snug down the plate securing nut to hold the plates in place. Torque the nut to 95 inch pounds.
4. Apply a bead of structural adhesive to the areas where the plates and fuselage tubing make contact. When the adhesive has cured, the tail skid can be removed so that you can finish work on the fuselage.

Completion Date _____

MODEL	CHAPTER	SECTION	REV.	DATE	PAR.	PAGE
Vixen 1200		Tail Skid Retrofit Kit				2

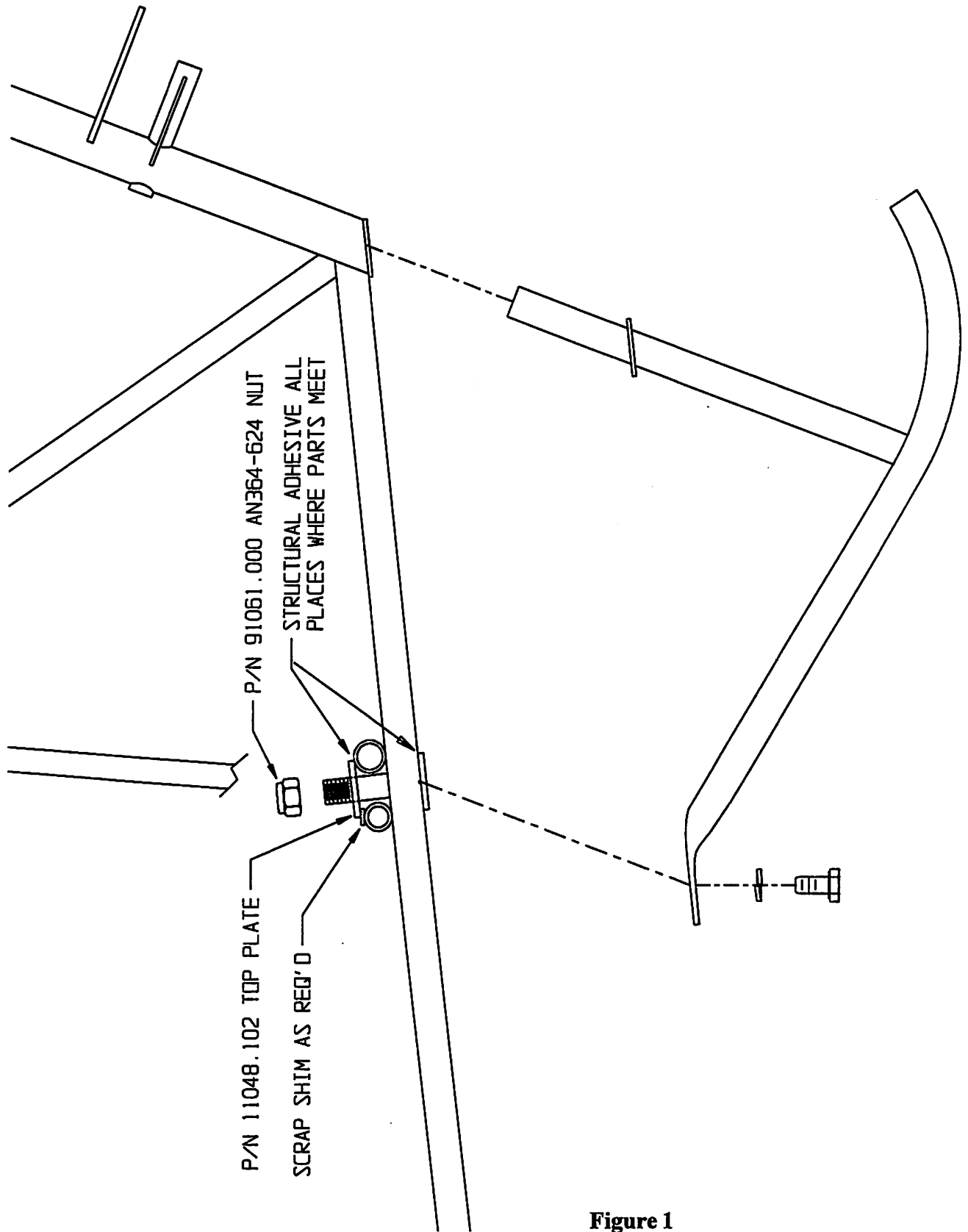


Figure 1
 Retrofit Bushing Installation Details
 (ERK001)

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MODEL	CHAPTER	SECTION	REV.	DATE	PAR.	PAGE
Vixen 1200		Tail Skid Retrofit Kit				4