



East 6427 Rutter Rd., Felts Field, Spokane, WA 99212

(509)535-4401 Fax (509)534-2025

S.I.L. NO. 01-560-05

## SERVICE INFORMATION LETTER

FROM: JetProp LLC

19 Jun 01

SUBJECT: JetProp Gear Fairing Installation

TO: JetProp Owners (Unless already upgraded)

JetProp developed , tested, and certified main gear fairings designed to reduce drag caused by the main gear tires extending below the wing with the gear retracted. The fairings are designed to clean up the airflow around the tires and therefore reduce drag and increase airspeed. The installation instructions for the gear fairings are included as Attachment 1. If there are any questions on the instructions, please contact Rich Runyon in Engineering or Curtis Vandegriffe the chief of maintenance at (509) 535-4401.

Rocket Engineering is dedicated to continuing to improve the JetProp DLX Conversion and to supporting our customers.

Sincerely,

Darwin C. Conrad  
President  
JetPROP, LLC

Attachment 1. JetProp Gear Fairing Installation Instructions

## **Attachment 1**

### **JetProp Gear Fairing Installation Instructions**

#### **Note**

Aircraft may be put on jacks for maintenance convenience.

1. Remove existing rivets shown in Figure 1 at the wing root fairing.
2. Remove access panels shown in Figure 1A.
3. Position fairing in wheel well with aft edge flush with the trailing edge skin.
4. Ensure a minimum of 1/8" set back at the landing gear door sealing edge and wheel fairing edge as shown in Figure 2.
5. Clamp in place with "C" clamps.
6. Drill holes and install screws and nuts in the inner ring shown in Figure 1.
7. Locate existing holes in outer fairing using a hole finder. Use a cow magnet (or similar magnet) for locating the new holes as shown in figure 1 and 1A.

#### **Note**

Instructions on the use of the cow magnet are shown in Figure 3 & 4.

#### **Warning**

**Be absolutely certain to be clear of the wing spar and hat channel structural members when drilling holes for attaching the fairing.**

8. Install the fairings as shown in Figures 1-4.
9. Replace the access panels removed.
10. Install masking tape around the fairing and skin leaving approximately 1/8" gap. Seal this gap with AMS-S-8802 B1/2 or equivalent sealant. Make sure there is a good seal all around the fairing.
11. Drill #10 drain holes at the lowest points in the forward and aft parts of the fairing.

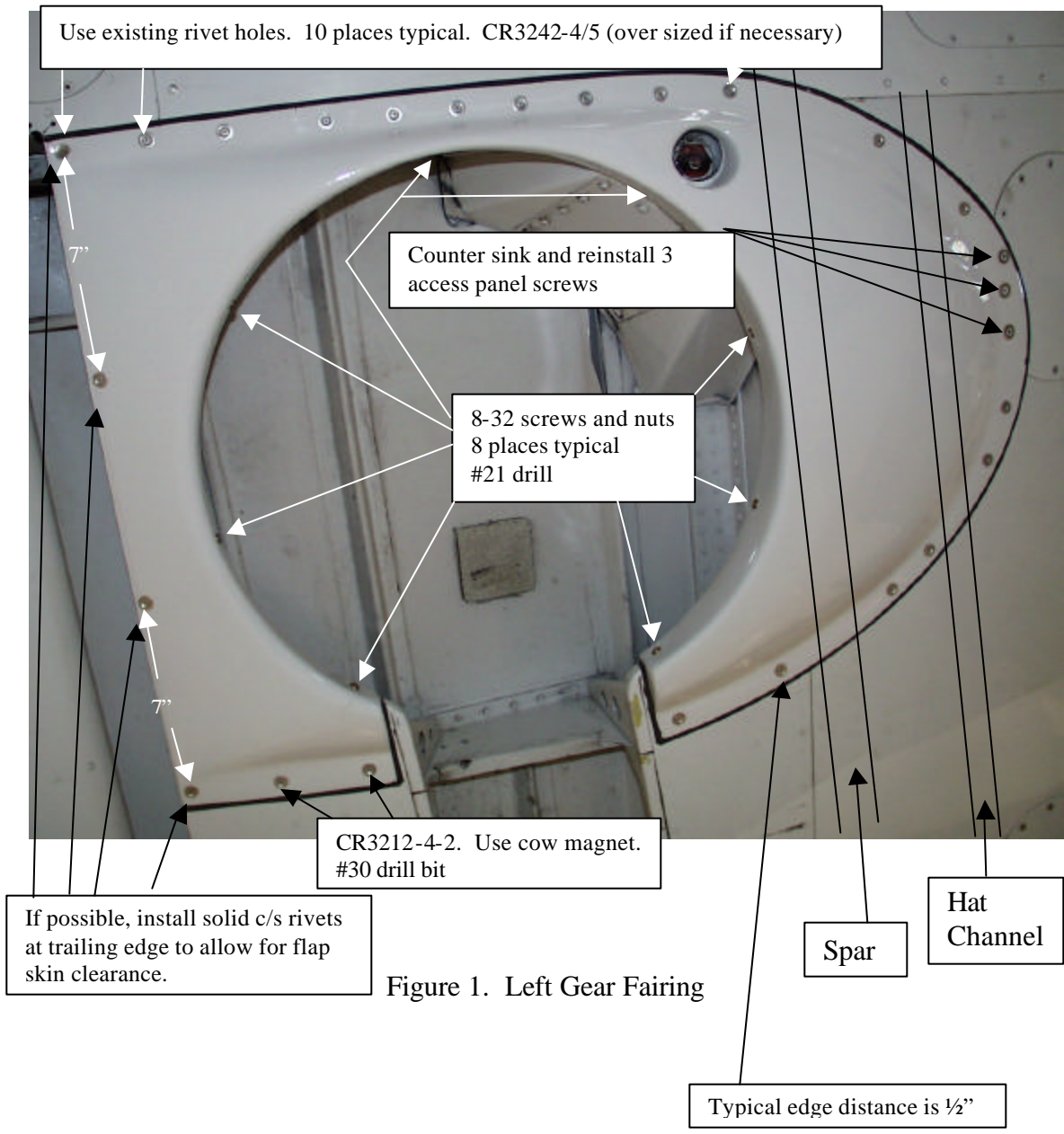


Figure 1. Left Gear Fairing

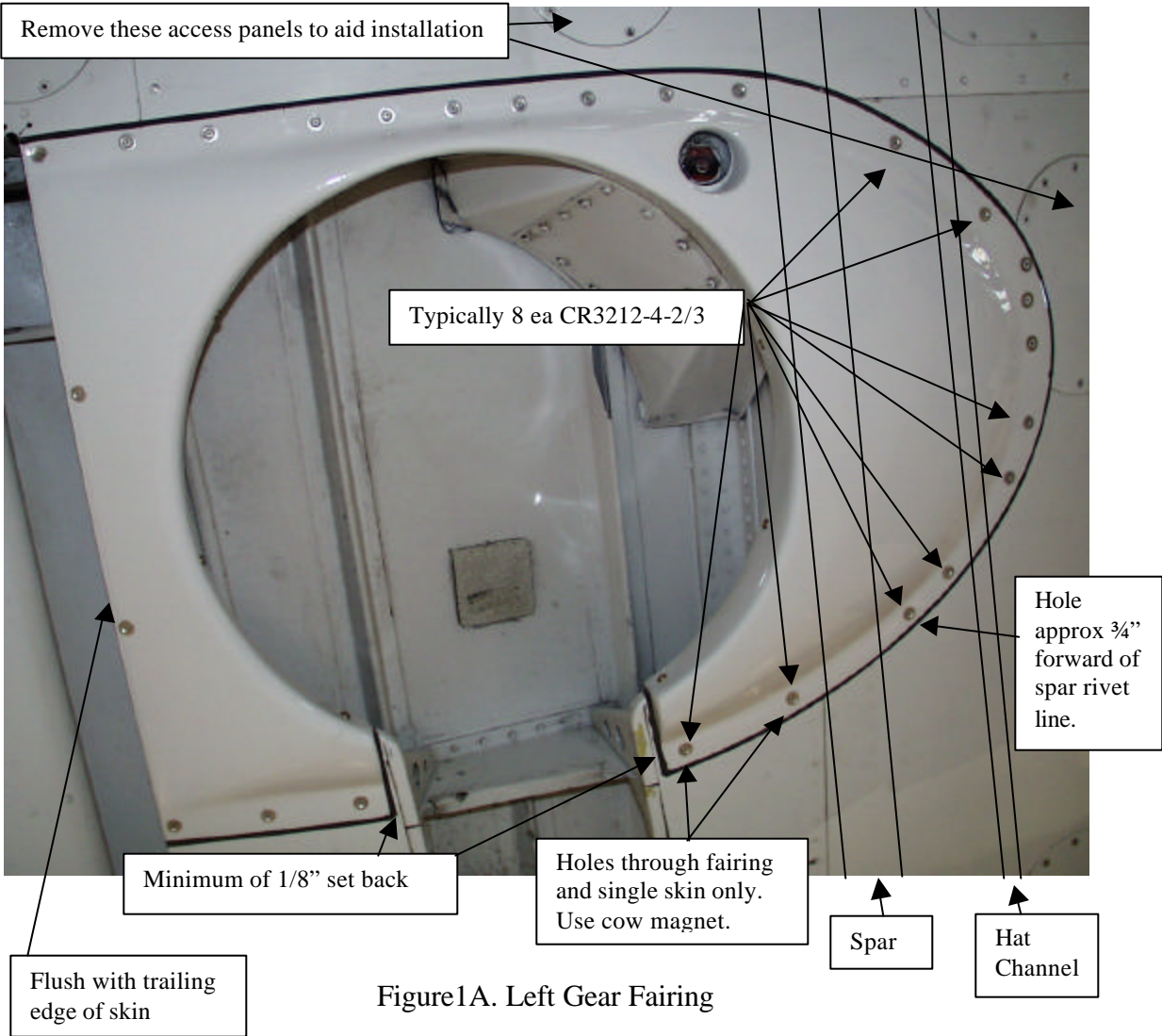


Figure1A. Left Gear Fairing



Figure 2. Gear Fairing Location

Use of the cow magnet for locating hole locations in blind areas when installing the wheel fairings.

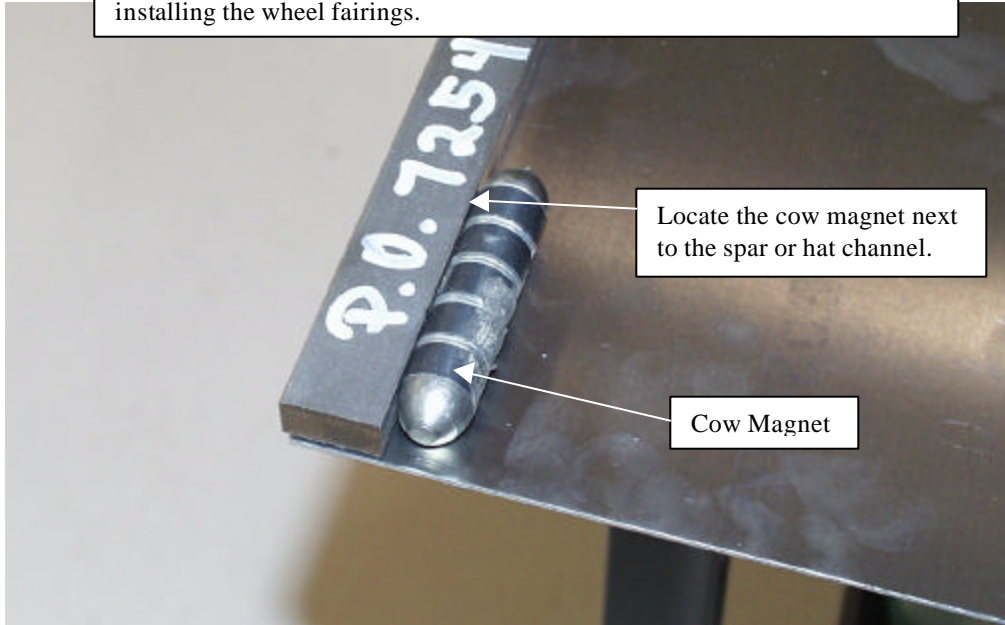


Figure 3. Cow Magnet

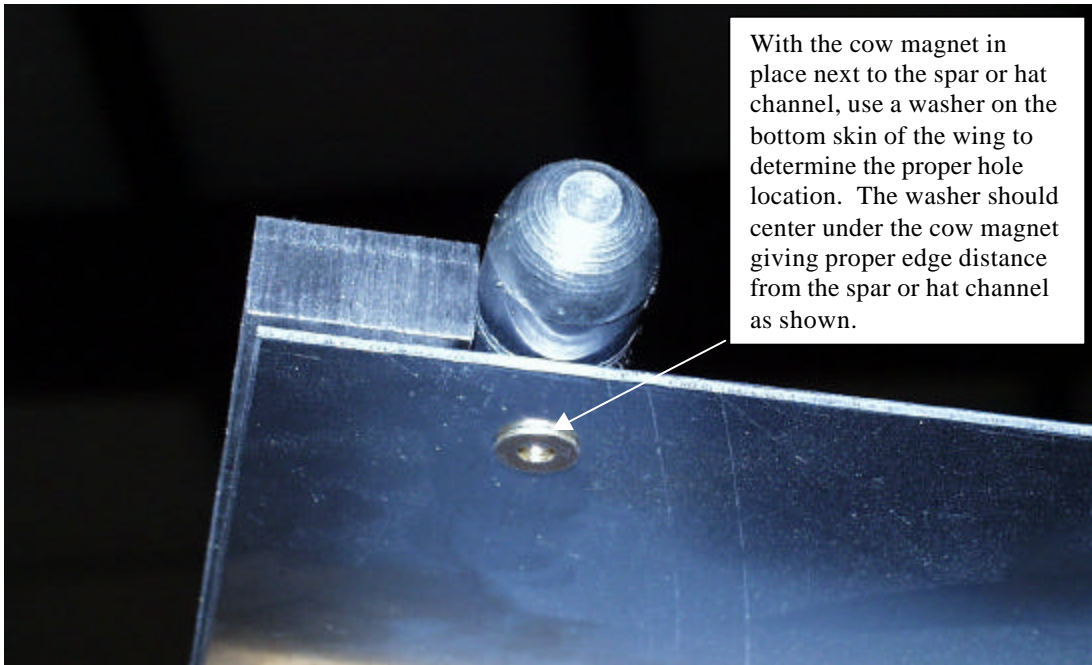


Figure 4. Use of the Cow Magnet

**Note**

For the wheel fairing installation, insert the cow magnet through the forward wing inspection panel and position it parallel with the spar at the outer edge of the wheel fairing. Use a #8 washer on the exposed flange to locate the hole location. Use the same procedure to locate the holes aft of the bonded hat channel.

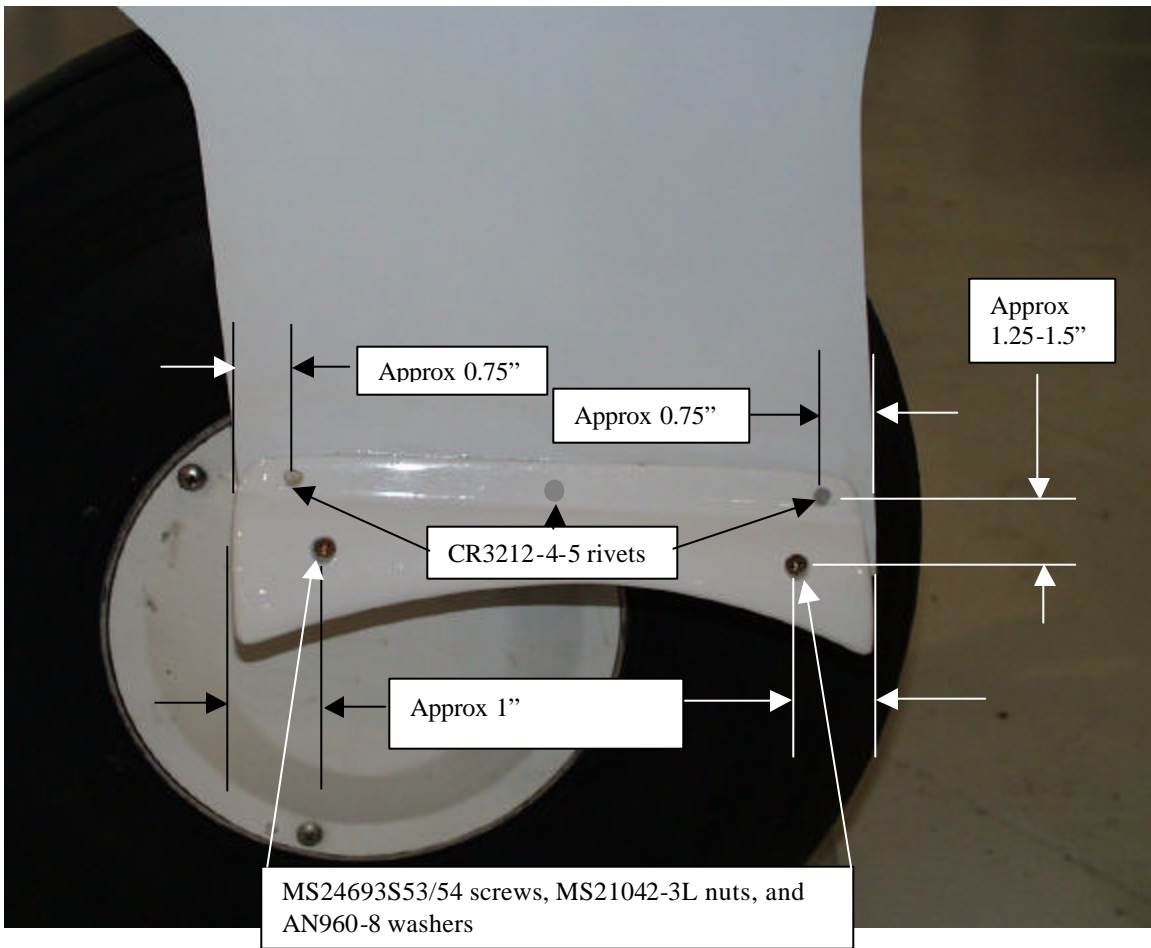


Figure 5. Gear Door Fairing

12. With the gear fairings in place and the gear retracted, locate the correct position for the gear door fairings on the gear door. Mark the correct position for the gear door fairings. With the gear extended carefully locate three rivet holes shown in Figure 5. Cleco the gear door fairings in place on the gear door. Carefully locate the two bottom attachment holes. **Be especially careful to keep the holes far enough inboard to prevent the bolt heads from hitting on the gear door seal when the gear is retracted.** Permanently install the gear door fairing on the gear door.

13. After the installation is complete, do another gear retraction with the aircraft on jacks to verify proper clearances and no interference with the gear fairings.

**Warning**

Ensure struts are fully inflated prior to gear retraction.

14. The following sample log book entry for this upgrade is included for your assistance.

N1234SH..SN 4612345..Total Time 345.6..Hobbs Time 123.4..Date 20 Jun 2001

Complied with JetProp LLC Service Letter 01-560-05, Dated 19 Jun 2001, Titled "JetProp Gear Fairing Installation". Details are contained in the installation instructions contained within the service letter. This Service Letter is to be maintained as a part of the aircraft's maintenance records.

Fred Glotz, AP 123456789

15. Also make a weight and balance entry for the addition of the gear fairings.

	Weight	Arm	Moment
Gear Fairings	4.5 Lb	157 in	706.5 In-Lb