



VAN'S AIRCRAFT
TOTAL PERFORMANCE

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SERVICE LETTER 00003

Date Released: February 4, 2021

Date Effective: February 4, 2021

Subject: Optional removal of F-1054 Tank Attach Angles

Affected Models: RV-10

Required Action: Optional

Time of Compliance: Optional

Labor Required 1.0 Hours

Level of Certification: *Check the rules of the local controlling agency and the operating limitations for your aircraft*

Synopsis:

In a number of aircraft, the bottom portion of the F-1054 Tank Attach Angles may crack due to wing deflection (see Figure 1). Analysis, ground testing and flight testing have determined that these angles are unnecessary. Therefore, these parts have been removed from current RV-10 kits.

At the owner's option, installed F-1054 angles (cracked or uncracked) on flying aircraft may either be unbolted and removed, or left in place with no adverse consequences.



FIGURE 1: CRACK LOCATION

Method of Compliance:

Step 1: Remove enough of the screws from the leading edge of the F-1099B Lower Wing Root Fairings that they can be pulled away from the wing to expose the F-1054-L/R Tank Attach Angles. See Figures 2 and 3.

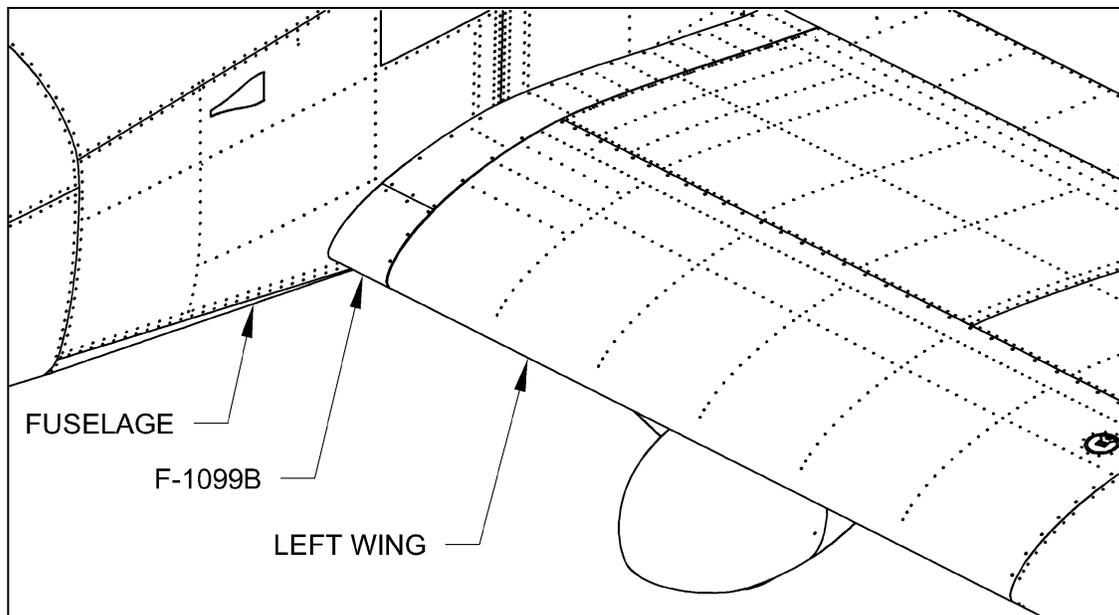


FIGURE 2: LOWER WING ROOT FAIRING

Step 2: Remove the two bolts securing the F-1054-L/R Tank Attach Angles to the fuselage. See Figure 3.

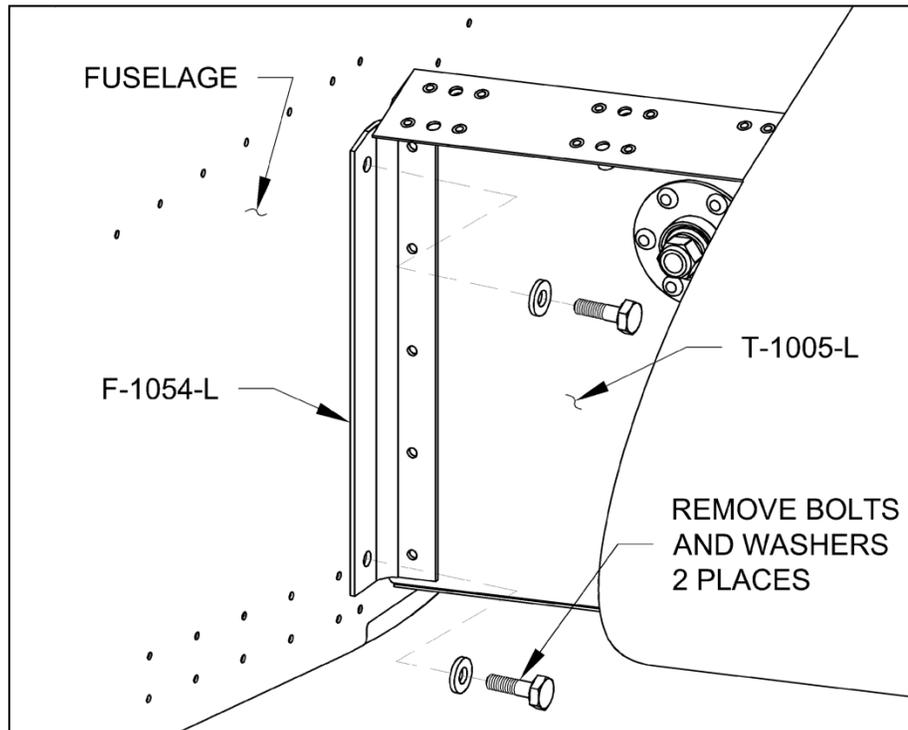


FIGURE 3: REMOVING THE TANK ATTACH ANGLE

Step 3: Center-punch the manufactured heads of the rivets securing the tank attach angles to the T-1005-L/R Tank Attach Brackets, then, using a 12 inch-long #30 drill bit, drill out the rivets. Remove the angles.

Step 4: Reinstall the two bolts on each side or fill the holes with RTV.

Step 5: Replace the F-1099B Lower Wing Root Fairings.

Step 6: Make a logbook entry indicating compliance with SL-00003 per the requirements of the controlling authority.

If you are no longer in possession of this aircraft, please forward this information to the present owner/operator and notify Van's Aircraft, Inc.

Contact:

<https://www.vansaircraft.com/qr/transfer-of-ownership/>