

Procedure 3.090**Fuel Tank Vent Installation**

In this procedure...

The fuel tank vent tubes will be installed in the outboard fuel tank rib.

For this procedure, the following parts will be required:

<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>
111-33-054	Fuel Vent Tube	2
BSP-43	Pop Rivet	6

Step 1 Locate the position of the fuel vent tube.

Locate the position of the fuel vent tube on Rib G, by measuring forward from the main spar shear web 4 3/4" and up from the lower wing skin 2 1/4".

Step 2. Mount vent tube.

Drill a 1/4" hole in the Rib G at the location determined in Step 1. Temporarily insert the vent tube so that the round plate is located on the outboard side of the Rib G, with the tube vertical. The tube on the inboard side of the rib should come within 1/4" of the top wing skin. (Remember you are building the wing up side down.) With the tube in position drill 3 #30 holes evenly spaced around the plate. Mark the vent tubes so that you can identify which wing it is to be installed in. The vent tube will be installed after the wing has been closed out and the final two laminates have been installed on Rib G and the lower wing skin. During final assembly coat the plate with Pro Seal and insert the tube into the hole. Align the rivet holes and hold in place with a Cleco. Use a mirror through the fuel cap hole and insure that you have 1/4" clearance between the end of the tube and the upper wing skin. Coat the Pop rivets with Pro Seal and install.

