

Procedure 3.120A

FUEL TANK INSPECTION PLATE INSTALLATION

In this procedure...

The fuel drain valve will be installed on the inspection plate and the inspection plates will be installed in the wing.

For this procedure, the following parts will be required:

<u>Part Number</u>		<u>Description</u>	<u>Quantity</u>
111-33-056		Inspection Plate	2
111-33-055		Backing Plate	2
ALS4-832-80B		Rivnut, Blind	52
NAS1473A3	Best Option	Capped Nutplate	52
MS24693S51		Screws	52
111-33-050		Block, Fuel Drain	2
111-33-053		Valve, Fuel Drain	2
AN502-6-4		Screw	2

Step 1. CUT OUT INSPECTION PANEL HOLE.

Locate the Inspection Panel Inset, located just outboard of the Rib A location. Cut out the panel leaving a 1" flange around the entire hole. (Fig. 120.1)

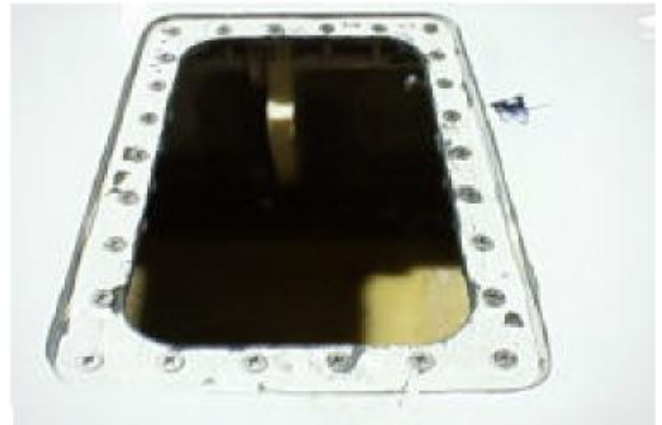


Fig. 120.1

Step 2. INSTALL BLIND RIVENUTS.

Use the plate as a drill guide and drill the 3/16" holes through the wing flange. Install the Rivnuts or nutplates in the backing plate if not already installed. (Fig. 120.2)

**Fig. 120.2****Step 3. INSTALL BACKING PLATE.**

Sand the inside surface of the wing skin around the inspection panel hole. Wipe with acetone. Coat both sides of the backing plate with Pro-Seal making sure you have a good seal around the Rivnuts/nutplates, and a complete covering of the surface that will mate with the wingskin. Carefully insert the backing plate through the hole and lift it into position. Install screws into all the holes to hold the backing plate in place. This also ensures that no screw holes are filled with Pro-Seal. (Fig. 120.3)

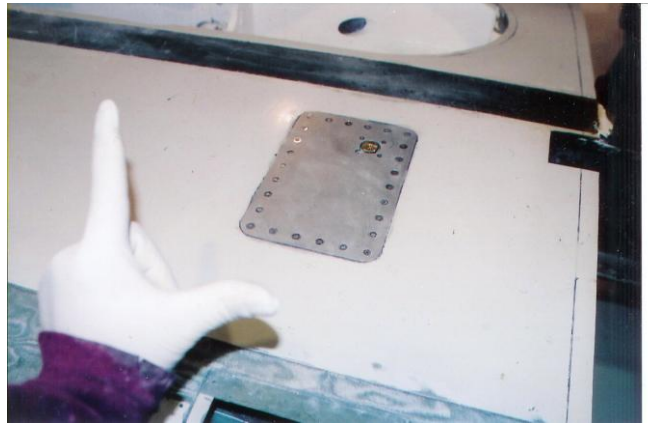
**Fig. 120.3**

Step 4. ATTACH DRAIN BLOCK TO INSPECTION COVER.

Screw the drain valve into the fuel drain block and place the block on the inspection cover so that the drain valve is centered in its hole. Placing a socket wrench on the drain valve helps center the valve. Hold the block in this location and drill the attaching screw holes. Counter sink the three holes in the Inspection Plate Cover. Coat the mating surfaces of the drain block with Pro-Seal and attach it to the plate cover. (Fig. 120.4)

**Fig. 120.4****Step 5. ATTACH INSPECTION COVER TO WING.**

Spray the wing flange and the inspection cover with LPS 2. Coat the flange with Pro-Seal and install the cover. Install and tighten screws. (Fig. 120.5)

**Fig. 120.5**