

## Procedure 8.010 Engine Mount Installation

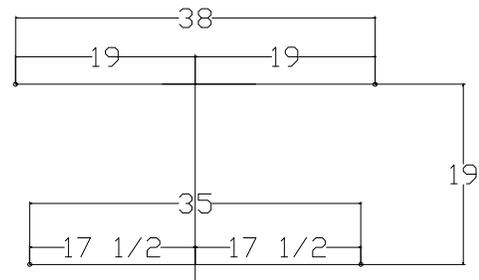
*In this procedure...*

The four 7/16" engine mount boltholes will be located and drilled. The hardpoints for components install on the firewall will be positioned and bonded onto the fiberglass firewall and the fire barrier and stainless steel firewall will be installed.

<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>
114-14-008	Engine Mount	1
112-12-012-03	Firewall 2000	1
112-12-012-01	Firewall Stainless Steel	1
AN7-17	Bolt	4
AN960-716	Washer	4
AN310-7	Nut	4
MS24665-283	Cotter Pin	4
AN970-716	Washer, Large Area	4

### Step 1. Determine Engine Mount Bolt Locations

Locate the fuselage centerline on the firewall. Measure up from the bottom of the fuselage 2". Draw a horizontal line across the firewall parallel to the fuselage bottom. Check the demention between the two bottom boltholes on your engine mount. This measure should be approximately 35 inches. Divide this demention by 2 and measure outboard from the firewall centerline along the lower



horizontal line. This is the location of the lower engine mount bolts.

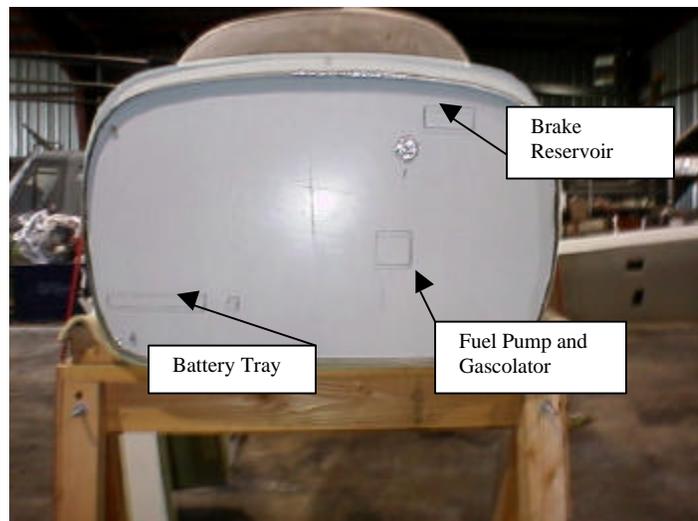


Drill a 1/8" holes at these locations and check to see if the hole is centered on the engine mount gusset on the aft side of the fuselage. The mount hole may be repositioned by no more than 1/8" to achieve clearance for the large area washer. Enlarge the left engine mount hole to 7/16". Place the engine mount on the firewall and install the bolt in the 7/16 hole. Hold the mount so that the other lower mount hole is centered on the horizontal line. Insure the mount is positioned correctly and drill the second lower hole. Install the second bolt. Use the upper mount boltholes as drill guides and drill the two upper boltholes. Install the upper bolts.



## Step 2. Determine the Location of Firewall Components.

Determine the locations for the components you will need to attach to the firewall. This will vary, based on each person's installation. Some typical locations are shown at the right.



**Step 3. Install hardpoints on Firewall.**

Install ¼” thick G10 blocks in locations where heavy items are to be bolted.



**Step 4. Install Firewall 2000 Blanket.**

**Step 5. Install Stainless Steel Firewall.**

