

PROCEDURE 8.050

GASCOLATOR/FUEL PUMP INSTALLATION

In this procedure....

The electric fuel pump and gascolator will be assembled and mounted to the aircraft firewall.

For this procedure the following parts will be required:

<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>
114-20-030	Fuel Pump	1
114-20-020	Gascolator	1
114-20-030-01	Fuel Pump Bracket	1
114-20-020-04	Gascolator Bracket	1
AN 815-6D	fitting	1
AN 816-6D	fitting	2
AN913-10	Plug	1
MS28775-111	O-ring	2
AN4H3A	Bolt	2
AN3-10	Bolt	4
114-20-020-03	Extension Tube	1
114-20-020-02	Union	1
114-20-020-01	Drain Valve	1
QS200-48H	Hose Clamp 3"	2
CR3213-4-4	Cherry Max Rivet	2

Step 1. Attach Fuel Pump to Gascolator.

Apply fuel lube to the pipe thread side of the AN815-6D Fitting and screw it into the **Out** port of the gascolator. Place the MS28775-111 O-Ring on the flared end of the fitting and screw the gascolator onto the **IN** port of the fuel pump. Position the pump so that the electric motor is facing up. **See Picture at right.**



Step 2. Install Gascolator Bracket.

Use the two AN4H3A bolts and install the gascolator bracket to the top of the gascolator bracket. Install the AN913-10 Plug into the primer port at the top of the gascolator. Safety wire the two attach bolts.

Step 3. Install Fuel Pump Bracket.

Attach the fuel pump bracket to the firewall using AN3 Bolts. The bracket can be attached to the firewall by drilling through the firewall and installing nuts on the inside of the firewall or you can drill and tap the G10 spacer and secure the bracket directly to the G10. The bolts must be safety wired if screwed directly into G10 block. **Make sure you have installed the two hose clamps into the slots in the fuel pump bracket prior to installing on firewall.**

Step 4. Install Fuel Pump and Gascolator Assembly.

Place the fuel pump in the fuel pump bracket and secure the two hose clamps. Use two Cherry Max rivets and rivet the gascolator bracket to the stainless steel firewall. Attach the hose coming from the fuel selector to the IN port of the Gascolator and hose going to the engine driven fuel pump to the out port on the fuel pump. Make sure you have replaced any plastic plugs with aluminum plugs and that you have installed the sump drain on the fuel pump

