



INSTALLATION INSTRUCTIONS

2-PORT FUEL PRESSURE REGULATORS

PART NO. 4207, 4207M and 4210

PARTS INCLUDED IN THIS KIT

- 1 2-Port Fuel Pressure Regulator
- 1 Regulator Bracket
- 1 Plug, 1/8" NPT

FUEL APPLICATION

Part No. 4207	Gasoline, Automotive/Street and Racing
Part No. 4207M	Gasoline, Marine
Part No. 4210	Alcohol/Methanol, Automotive/Street and Racing

SPECIFICATIONS:

Inlet and outlet port thread sizes:	3/8" NPT
Fuel pressure port thread size:	1/8" NPT
Fuel pressure adjustment range:	4–12 PSI
Maximum inlet pressure:	20 PSI

GENERAL INFORMATION

The 2-Port Regulator is designed to regulate fuel pressure between high pressure fuel pumps and carburetors. The regulator is recommended for Mallory COMPUMP® 140 Series Electric Fuel Pump. Also, recommended for Mallory High Performance and Competition Mechanical Fuel Pumps.

MOUNTING PROCEDURE

The regulator may be mounted at any angle. For maximum efficiency, mount the regulator as close as possible to the carburetors. DO NOT mount the regulator on or near exhaust manifolds.

A bracket is provided for convenient mounting under an intake bolt. Loosen the four regulator base and bracket

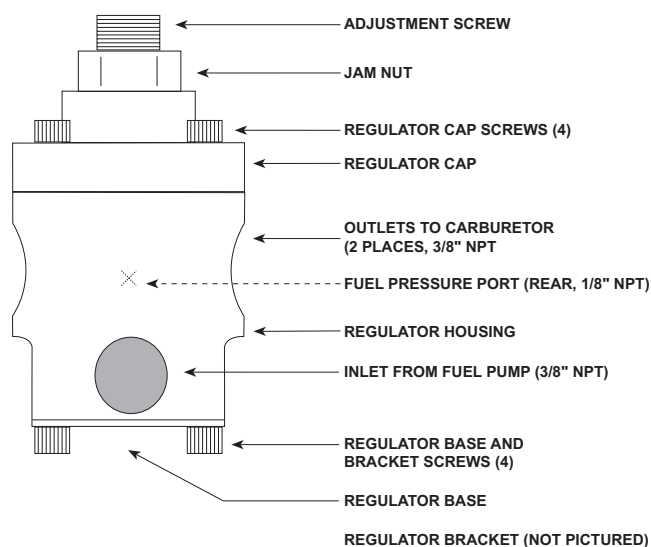
screws. Remove two of these screws.

Position the bracket over the two screw holes. Install the two screws. Tighten the four screws between 16 and 19 in./lbs.

FITTINGS AND FUEL LINE

Purchase fittings (and plugs) as necessary. Use a thread sealant compound on the fitting threads. You can find thread sealant compound at a hardware store. Do not use thread sealing tape. Install the fittings. Do not overtighten the fittings. This could damage the regulator. Connect the fuel lines. See Figures 1 and 2.

FIGURE 1



FUEL PRESSURE ADJUSTMENT

NOTE: Engine must be running when adjusting fuel pressure.

Step 1

Connect a fuel pressure gauge to the fuel pressure port.

Step 2

Release the jam nut on the adjustment screw.

Step 3

Start the engine. (Check the fuel system for fuel leaks. Shut off the engine and correct any fuel leaks before proceeding.)

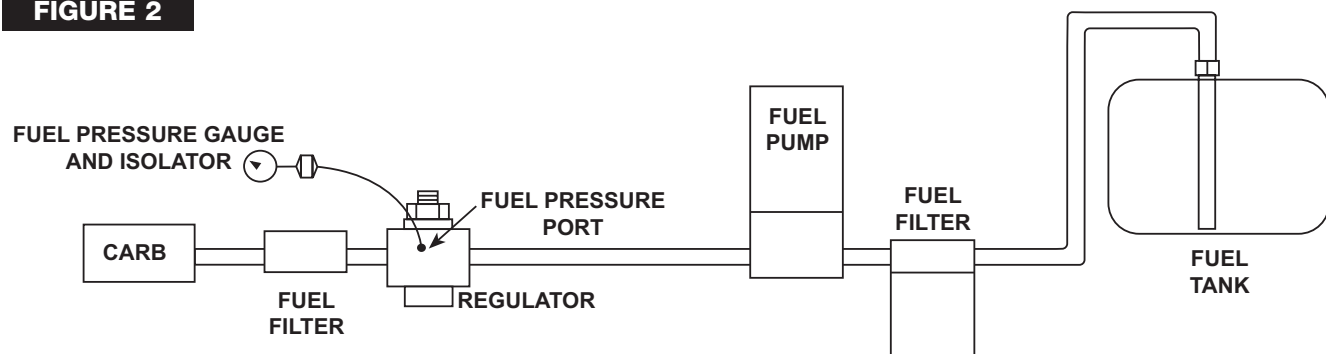
Step 4

Adjust fuel pressure. Turn adjustment screw clockwise to increase fuel pressure or counterclockwise to decrease fuel pressure. Rev the engine slightly several times. Check fuel pressure. Repeat if necessary.

Step 5

Tighten jam nut and shut off engine.

FIGURE 2



REGULATOR MAINTENANCE

Step 1

Release the jam nut and remove the adjustment screw. Set aside the diaphragm spring.

Step 2

Remove the four regulator base and bracket screws.

Step 3

Remove the regulator base. Remove the gasket.

Step 4

Set aside the plunger spring and unscrew the plunger. O-Ring remains on the plunger.

Step 5

Remove the four regulator cap screws.

Step 6

Remove the regulator cap.

Step 7

Remove the diaphragm.

Step 8

Thoroughly clean all surfaces.

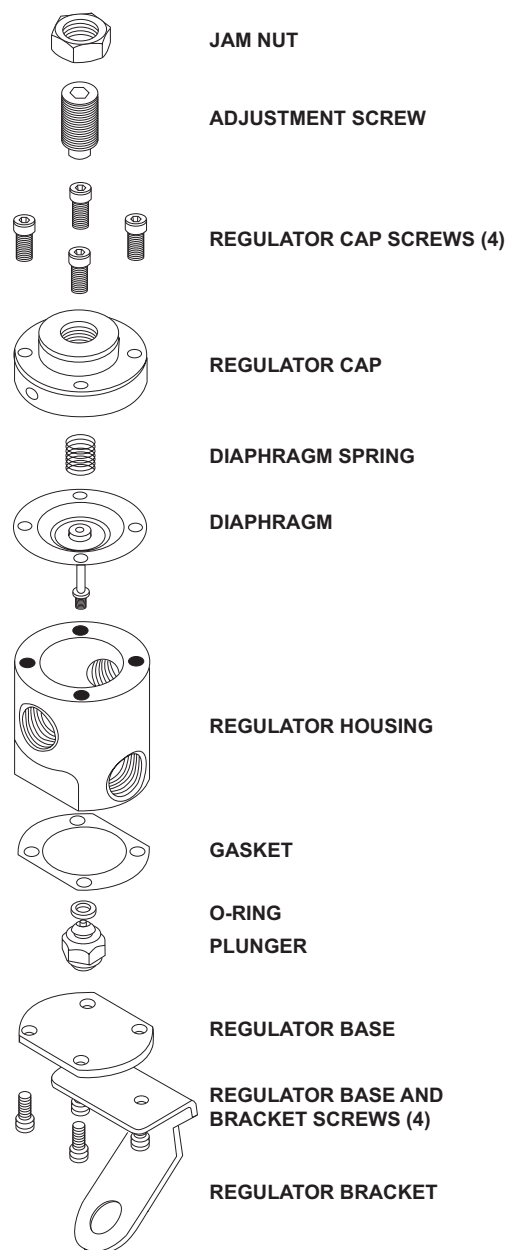
Step 9

Assemble in reverse order. Tighten the four regulator cap and four regulator base and bracket screws between 16 and 19 in./lbs.

Step 10

Adjust fuel pressure. See Fuel Pressure Adjustment stated earlier.

REGULATOR SERVICE PARTS (INCLUDES FUEL TYPE CONVERSIONS AS NOTED)	KIT PART NO.
Diaphragm kit, gasoline, RFG (reformulated gas, oxygenated fuel) For Regulator Part Nos. 4207 and 4207M with round regulator cap and fuel pressure port. Also used to convert Regulator Part No. 4210 to use gasoline.	3149
Diaphragm kit, Alcohol/Methanol For Regulator Part No. 4210. Also used to convert Regulator Part No. 4207 with round regulator cap and fuel pressure port to use alcohol/methanol.	3149



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