



ASM-008FPR

Marine Adjustable Fuel Pressure Regulator Installation Instructions for Mercury EFI

***NOTE:** These instructions assume you have working knowledge of hand tools, their operation and of the vehicle of which you are working. If you do not feel comfortable with this assumption, it is recommended that you take the parts and vehicle to a qualified facility for the installation of these parts. It is recommended you have access to a factory shop manual for installation. Arizona Speed & Marine, Inc. accepts no responsibility for improper or faulty installation of the parts, or for the accuracy or omissions in these instructions.*

1. Turn off all battery power to engines, or disconnect battery cables.
2. Remove fuel pressure regulator from engine, be careful not to spill fuel, clean spilled fuel up immediately to avoid fire hazard.
3. Secure fuel regulator, using a hack saw or tubing cutter, cut off the top 3/8" of the regulator.
4. De-burr any sharp edges with a file.
5. Install spring onto adjusting screw spring seat inside cover, place "O" ring in the groove on the bottom of the cover and install the cover over the fuel regulator.
6. Place the retainer on the bottom side of the factory crimp, and install four supplied retaining screws from the cover into the retainer, using loctite on all 4 bolts.
7. Adjust lead screw until resistance is felt on the lead screw, and then turn approximately two turns down. Do not bottom out the lead screw against the regulator as over tightening could damage the diaphragm.
8. Install the regulator back onto the engine, and secure the fuel connections.
9. Replace the battery cables, and turn the ignition key several times to pressurize the fuel system. Ensure there are no fuel leaks before starting the engine.
10. Using an accurate fuel pressure gauge, set the fuel pressure to the desired pressure, then tighten the jamb nut on the adjusting screw to prevent the pressure from changing.
11. Install vacuum line from regulator lead screw to manifold vacuum source in plenum.

KIT CONTAINS:

- 1 EACH - ANODIZED ALUMINUM REGULATOR HAT
- 1 EACH - ANODIZED ALUMINUM RETAINER
- 1 EACH - BRASS ADJUSTING SCREW
- 1 EACH - LOCK NUT
- 1 EACH - TENSIONER SPRING
- 4 EACH - ALLEN HEAD RETAINING SCREWS
- 1 EACH - 3/32" O-RING

Cut upper part of regulator off, there is a spring inside so cut around the diameter of the housing. De-bur sharp edges from cutting.



Ensure the O-ring is in the groove. Install the adjustable housing over the pressure regulator with the supplied spring with C-Clip and screws,



Use blue loc-tite on screws. Adjust the fuel pressure tighten the jamb nut and install vacuum line on the end of the lead screw,

