

# Holley®

PERFORMANCE PRODUCTS INC

## FUEL PRESSURE REGULATORS P/N 512-500-1 and 512-503-1 Installation Instructions

**WARNING!** THESE INSTRUCTIONS MUST BE READ AND FULLY UNDERSTOOD BEFORE BEGINNING INSTALLATION. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN POOR PERFORMANCE, VEHICLE DAMAGE, PERSONAL INJURY, OR DEATH. IF THESE INSTRUCTIONS ARE NOT FULLY UNDERSTOOD, INSTALLATION SHOULD NOT BE ATTEMPTED. PLEASE CONSULT HOLLEY TECH SERVICE OR A QUALIFIED MECHANIC.

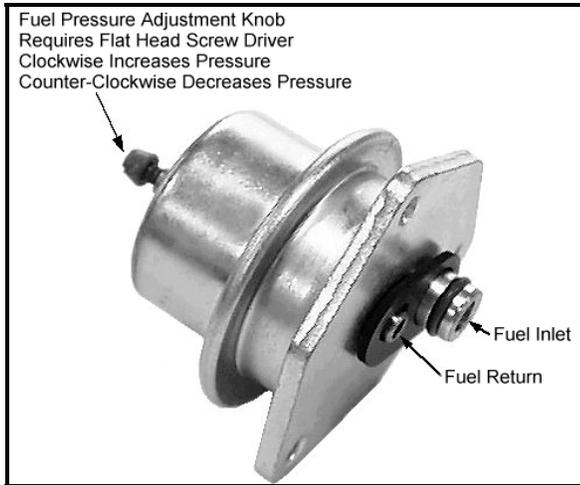
### INTRODUCTION:

Holley Performance Products cannot and will not be responsible for any alleged or actual engine or other damage, or other conditions resulting from misapplication of the fuel pressure regulators described herein. However, it is our intent to provide the best possible products for our customer; products that perform properly and satisfy your expectations. Should you need information or parts assistance, please contact our Technical Service Department at 270-781-9741, Monday through Friday, 7 a.m. to 5 p.m. Central Time. Please have the part number of the product you purchased when you call.

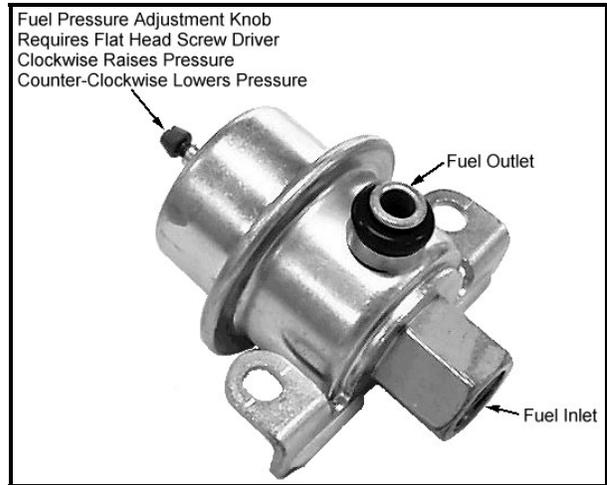
The fuel pressure regulators in this instruction sheet are designed to be a high-pressure replacement for the stock O.E. regulator. The high-pressure fuel regulators are used mainly for high performance applications. A fuel pressure gauge must be purchased for setting the pressure on the fuel pressure regulators. Install the fuel pressure gauge according to the manufacturer's recommendation.

### APPLICATIONS:

P/N	DESCRIPTION	PRESSURE RANGE	INLET/OUTLET SIZE	RESTRICTION
512-500-1	Ford 5.0L, High Pressure Fuel Regulator	35 to 65 PSI	Inlet .140", Outlet .236"	.220" (7/32")
512-503-1	Buick 3.8L, High Pressure Fuel Regulator	35 to 65 PSI	Inlet 6.0mm, Outlet 3.5mm	.220" (7/32")



**Ford 5.0L Fuel Pressure Regulator**  
**Figure 1**



**Buick 3.8L Fuel Pressure Regulator**  
**Figure 2**

### FUEL PRESSURE REGULATOR INSTALLATION:

**WARNING!** Do not overtighten the fittings on the fuel pressure regulator. Overtightening of the fittings can cause the fuel pressure regulator base to crack allowing fuel to leak. A fuel leak can cause a fire and/or explosion resulting in property damage, serious injury, and/or death.

**WARNING!** Always use a fuel pressure gauge when adjusting the fuel pressure. Excessive fuel pressure may effect performance or damage the fuel system.

**WARNING!** After the installation has been completed wipe up any spilled fuel. Spilled fuel can ignite on a hot engine, causing a fire and/or explosion, which may result in property damage, serious injury, and/or death.

**FORD:**

1. Locate the O.E. fuel pressure regulator and remove the three attaching cap screws.
2. Place a rag under the fuel pressure regulator to catch any fuel that may spill. Remove the O.E. fuel pressure regulator.
3. Ensure that all gasket material is removed to provide a clean mounting surface for the Holley high-pressure fuel regulator. Ensure that the O-ring on the O.E. fuel pressure regulator fuel outlet is not in the orifice from which it was removed.
4. Install the fuel pressure gauge at this time following the manufacturer's instructions.
5. Wipe up any spilled fuel and safely dispose of the rag. Start engine and adjust fuel pressure according to the automotive manufacturer recommendation.

**BUICK:**

1. Locate the O.E. fuel pressure regulator and remove the two attaching hex bolts.
2. Place a rag under the fuel pressure regulator to catch any fuel that may spill. Disconnect the inlet fuel line coming from the fuel tank. Holley recommends that fuel line wrenches be used when removing the steel fuel lines.
3. Remove the O.E. fuel pressure regulator, ensuring the O-ring on the O.E. fuel pressure regulator fuel outlet is not in the orifice from which it was removed.
4. Install the fuel pressure gauge at this time following the manufacturer's instructions.
5. Wipe up any spilled fuel and safely dispose of the rag. Start engine and adjust fuel pressure according to the automotive manufacturer recommendation.