

## Fuel Pressure Regulator Instructions.

Accufab tech hotline call: 909-930-1751

**IMPORTANT information for Fuel Regulators and Fuel Accessories:** We recommend that a qualified mechanic install these parts as fuel is under pressure. These parts should be installed in an environment free from smoking and/or open flame because you are dealing directly with fuel.

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### Universal Adjustable Fuel Pressure Regulator

**IMPORTANT:** Read all instructions before beginning.

We recommend that a qualified mechanic install the part as fuel is under pressure. This part should be installed in an environment free from smoking and/or open flame because you are dealing directly with fuel. In order to set the adjustment properly, a fuel pressure gauge will be needed.

(1) – 4 in (1) – 4 out

#### INSTALLATION INSTRUCTIONS

**CAUTION – BE SURE TO DEPRESSURIZE THE FUEL SYSTEM FIRST.**

Remove the stock fuel pressure regulator as described in the vehicle Service Manual. Route fuel line from the fuel pump directly to the fuel rails and then to the inlet of the regulator. The inlet is the off-set port on the bottom of the regulator. The center port is for the return line back to the fuel tank. The port on the side of the regulator is for a fuel pressure gauge. **\*Note: Screws are not tight. Place holder and tighten screws.**

Once you have installed the new regulator and a fuel pressure gauge, turn engine on to check for any leaks. We recommend double-checking to be positive that no leaks exist. If any sign of leakage should occur, IMMEDIATELY stop the engine and repair or remove the regulator.

If no leaks are found, start the engine with the vacuum line disconnected from the fuel pressure regulator port. Using a 3/16 size allen wrench and a 7/16 wrench, tighten the allen screw until the fuel pressure rises to the desired level. CAUTION: DO THIS SLOWLY! Clockwise raises the fuel pressure and counter-clockwise drops the fuel pressure. Next, tighten the lock nut securely and re-connect the vacuum line. Fuel pressure should drop about 10psi with the vacuum line in place.

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### Buick Adjustable Fuel Pressure Regulator Instructions

1984-87 Buick Turbo Regal, 1991 GMC Syclone & 1989 20<sup>th</sup> Anniversary Turbo Trans Am

**IMPORTANT:** Read all instructions before beginning.

We recommend that a qualified mechanic install the part as fuel is under pressure. This part should be installed in an environment free from smoking and/or open flame because you are dealing directly with fuel. In order to set the adjustment properly, a fuel pressure gauge will be needed.

#### INSTALLATION INSTRUCTIONS:

**CAUTION – BE SURE TO DEPRESSURIZE THE FUEL SYSTEM FIRST.**

Remove the stock fuel pressure regulator as described in the Buick Service Manual and re-install the

new adjustable unit in the same fashion.

Lubricate the o-ring for ease of installation. A damaged o-ring will cause the regulator to NOT hold pressure.(Extra o-ring provided.)

Once you have installed the new regulator and a fuel pressure gauge, turn engine on to check for any leaks. We recommend double-checking to be positive that no leaks exist. If any sign of leakage should occur, IMMEDIATELY stop the engine and repair or remove the regulator.

If no leaks are found, start the engine with the vacuum line disconnected from the fuel pressure regulator port. Using a 3/16 size allen wrench and a 7/16 wrench, tighten the allen screw until the fuel pressure rises to the desired level. CAUTION: DO THIS SLOWLY! Clockwise raises the fuel pressure and counter-clockwise drops the fuel pressure. Next, tighten the lock nut securely and re-connect the vacuum line. Fuel pressure should drop about 10psi with the vacuum line in place.

#### RECOMMENDATIONS:

\*ET: 15 seconds to 13.5 seconds - 42psi at idle no vacuum, 13.5 to 12.5 – 45psi at idle no vacuum, 12.5 times & faster – 47 to 50psi MAX at idle no vacuum. (Settings are only recommendations for starting point. Each car is different and must be dialed in.) \*Under boost conditions, the fuel pressure regulator should provide about 1 additional psi for each pound of boost. For example, a car set at 45psi running 20lbs of boost equates to 65psi, provided you have a sufficient fuel delivery (fuel pump) in the tank.