

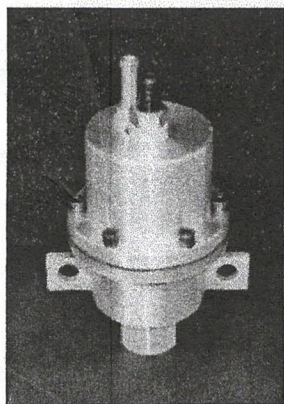
# 1984-1987 BUICK TURBO REGAL and 1991 GMC SYCLONE ADJUSTABLE FUEL PRESSURE REGULATOR

**IMPORTANT** - Read all instructions before starting.

We recommend this adjustable fuel regulator be installed by a qualified mechanic since fuel is under pressure. Since you're dealing with fuel, be sure there is no smoking or open flames in the area. You will also need to use a mechanical fuel pressure gauge in order to properly set the adjustment.

## INSTALLATION INSTRUCTIONS -

Remove the stock fuel pressure regulator as described in the Buick Service Manual. Re-install the new adjustable unit in the same fashion.



**CAUTION** - Be sure to depressurize the fuel system first!

Once you have installed the new fuel pressure regulator and a fuel pressure gauge, turn the key on and check for any leaks. If no leaks are found, RE-CHECK to be positive there are NO LEAKS. If there are any signs of leakage, STOP immediately! Repair leak or remove the regulator.

If no leaks are found, start the car with the vacuum line disconnected from the fuel pressure regulator port. Using the proper 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 fuel pressure, COUNTER-CLOCKWISE drops the fuel pressure.** Tighten the lock nut securely, and re-install the vacuum line. Fuel pressure should drop about 10 psi with the vacuum line in place.

**RECOMMENDATIONS** - ET 15 seconds to 13.50 seconds 42 psi at idle no vacuum, 13.50 to 12.50 45 psi at idle no vacuum, 12.50 times and faster 47 to 50 psi 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 45 psi running 20 lbs of boost equates to 65 psi... providing you have sufficient fuel delivery (fuel pump) in the tank.

**CAUTION** - Once you start the car, check and re-check for any leaks before you drive the car.