



## INSTALLATION MANUAL

### Carburettor Fuel Pressure Regulator

PFEFS13216

Included Items	QTY
PFEFS13216 Regulator	1
PFEFS13216 Bracket	1
PFEFS13216 90° Bracket	1

**WARNING:** PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING. PROFLOW WILL NOT BE RESPONSIBLE FOR ANY DAMAGE AS A RESULT OF THE INCORRECT INSTALLATION OF THIS PRODUCT. IT IS RECOMMENDED THAT A QUALIFIED AUTOMOTIVE TECHNICIAN PERFORMS THIS INSTALLATION.

**WARNING:** THE INSTALLATION OF THIS PRODUCT REQUIRES THE HANDLING OF FUEL. IT IS RECOMMENDED TO WORK IN A WELL-VENTILATED AREA AND WEAR APPROPRIATE PERSONAL PROTECTION. ALWAYS KEEP IGNITION SOURCES AND OPEN FLAMES AWAY FROM THE VEHICLE.

### DESCRIPTION

This unit is compatible with racing fuels and alcohol based fuels such as E85 and methanol. This regulator is designed to regulate fuel from 3-12 PSI with a system supply between 25 to 30 PSI. With fuel pumps that supply lower pressures, the range of pressure regulation will be slightly different. Most carburettors perform best in the range of 6 to 9 PSI but will greatly depend on the specific engine configuration.

### TYPICAL INSTALLATION

1. Once the engine has been allowed to cool, disconnect the negative battery cable and relieve the fuel system pressure.
2. Remove the old fuel pressure regulator from the vehicle.
3. Remove the vacuum line (if applicable) from the old regulator. Ensure to place a container around the regulator to catch any fuel that is spilled during the process.
4. Mount the new regulator in a suitable place in the engine compartment using either of the provided mounting brackets depending on your setup.
5. Attach the fuel feed line to the bottom AN10 ORB port using AN fittings. Ensure to lubricate any o-rings used.
6. Connect the AN8 ORB side outlet ports to the carburettor using AN fittings. Ensure to lubricate any o-rings used. If only using one side outlet, block the other port by installing the appropriate plug (PFE814-08BK sold separately).
7. Connect a fuel gauge to the 1/8" NPT port on the front of the regulator (PFEFG015). Ensure to use a form of thread sealant / tape.

8. Once the regulator is installed and all connections are tightened, reconnect the battery and turn the ignition to the ON position without starting the car. This will prime the fuel pump to fill the fuel pressure regulator with fuel.
9. After several seconds, check the fuel pressure gauge to check for a reading. If there is no pressure, switch the key off, wait one minute and then turn the ignition on again. Repeat this procedure until the regulator registers fuel pressure.
10. Once step 9 is completed, check for any fuel leaks coming from and around the regulator and all fuel lines before proceeding.
11. Start the engine and adjust the regulator to the desired fuel pressure. To do this, untighten the jam nut on the top of the regulator and rotate the adjustment screw clockwise to increase fuel pressure.
12. Once the desired fuel pressure is achieved, tighten the regulator jam nut to lock the adjustment screw in place.
13. If you do not want to keep the fuel pressure gauge on the regulator, relieve the system of pressure and re-install the supplied 1/8" NPT port plug using thread sealant.

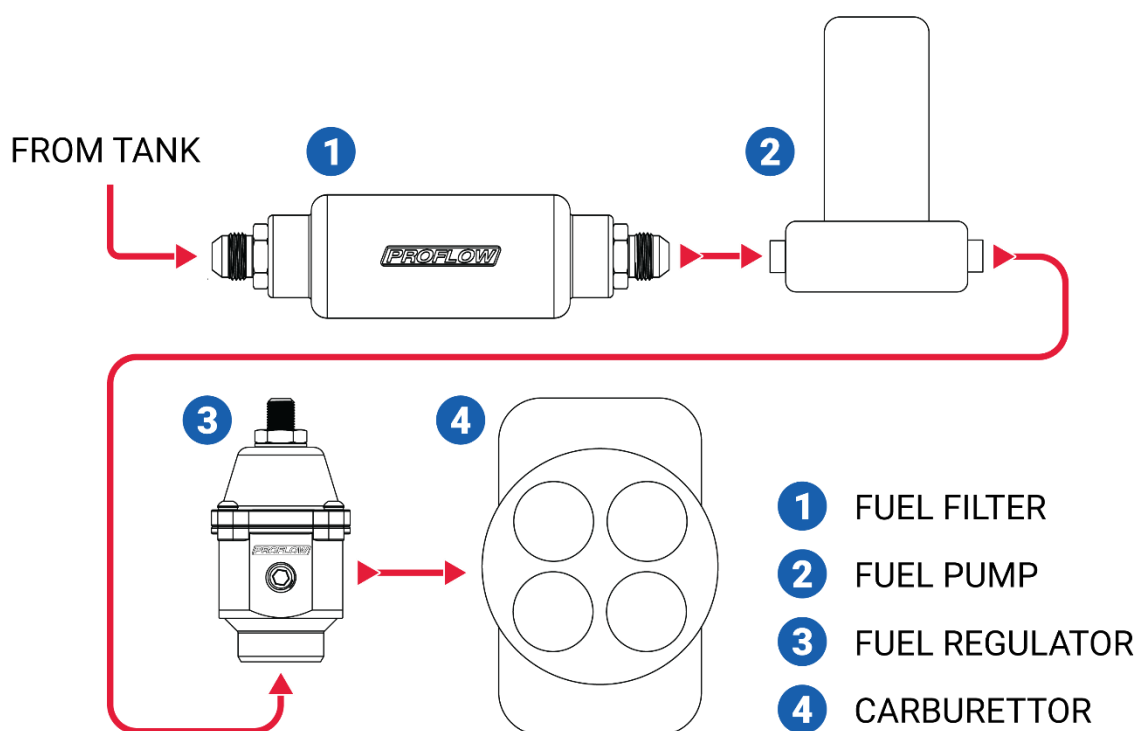


Figure 1