BLOX RACING

INSTALLATION GUIDE

PN: BXFU-00410

BLOX Racing 2 Port Fuel Pressure Regulator

⚠WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

APPLICATIONS
Universal

INCLUDED
- 1x BLOX FPR (Pre-assembled)
- 1x Adjustment screw
- 1x Lock nut
- 1x Flat washer
- 1x Barbed vacuum fitting
- 1x 1/8" NPT block-off plug
- 2x O-Rings for fittings
- 1x Mounting bracket
- 2x Bracket screws
- 2x Bracket screw lock washers

WARNING
This product must be installed by a qualified mechanic or technician with knowledge of the vehicle's fuel system. Working with gasoline and other fuels are flammable and can be explosive. Improper installation or failure to follow safety guidelines can result in serious injury, extensive burns or death!

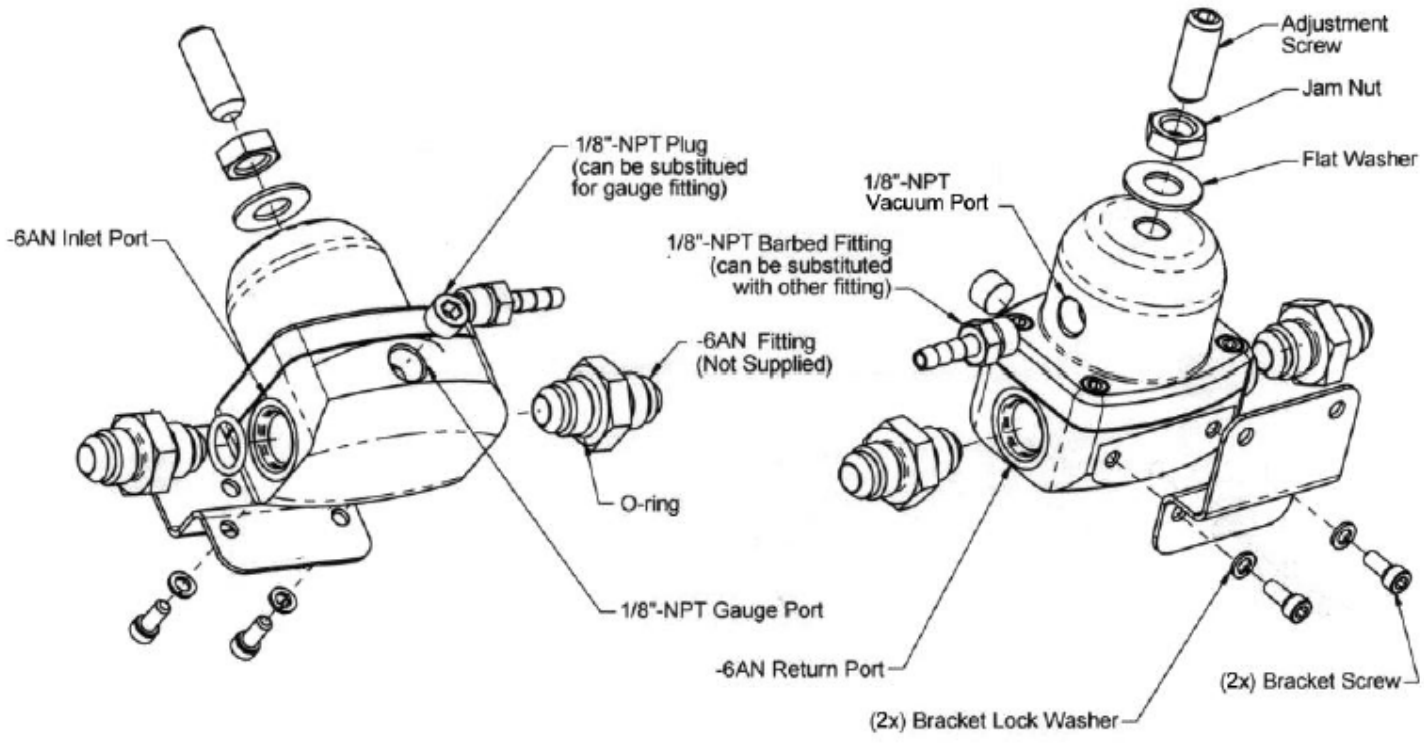
Perform all modifications in a well ventilated area to minim ize fuel vapors. NO open flames, smoking or other ignition sources can be present during any part of the installation process. Take precautions when releasing fuel pressure.

Wear proper eye protection, gloves, clothing, etc. and have direct access to a fire extinguisher at all times.

RECOMMENDATIONS
- Plan out your entire fuel system, needs and requirements.
- Fuel pump requirements: 100 PSIG (pounds per square inch)
- Minimize plumbing between FPR and fuel rail for peak results and performance
- -6AN high pressure, braided stainless steel lines
- High performance fuel filter

PRODUCT SPECIFICATIONS

Inlet Size	-6AN
Max. Flow	2.5GPM @ 25 PSID 570LPH @ 1.75 BAR
Adj. Range	25-90 PSID



Installation Steps:

- Disconnect the ground terminal from the battery and allow the vehicle's engine and exhaust system to cool. Relieve the vehicle's fuel system in a well ventilated area. DO NOT place any open flames or smoke near vehicle. Have a fire extinguisher nearby.

- Modify, remove or replace any of the vehicle's fuel system components per specific build needs or requirements.

- Use light oil to lubricate the adjustment screw. Thread the adjustment screw by hand until a slight tension is felt. This will be the minimum fuel pressure setting. DO NOT tighten any further. Install the flat washer and then hand-tighten the jam nut. DO NOT torque down jam nut.

- Use Teflon® tape or another type of thread sealant on the 1/8" NPT fittings. One port will be used for the barbed vacuum fitting and the other for a fuel pressure gauge. If a gauge will not be used, use the block-off plug.

- Install -6AN fuel fittings. Fuel fittings are not supplied. Use light oil to lubricate the included O-Rings and place them onto the fuel fittings for proper sealing. Thread the fittings into the FPR and tighten between 5 and 15 ft·lbs of torque. ***Note:*** *Do not use Teflon® thread tape or other types of thread sealant on fuel fittings. The FPR fuel ports are not pipe threads or tapered.*

- The BLOX FPR can be mounted directly to an aftermarket fuel rail or in a location that minimizes the exposure to excessive heat. Use the supplied bracket as a template to measure and mark the holes for the mounting bracket. Mount the bracket onto the FPR using the supplied bracket screws and lock washers. Hand-tighten the screws but do not over-tighten.

- Install the FPR assembly into position and attach the fuel lines, fuel pressure gauge and vacuum hose. Boosted applications will require a hose clamp on the barbed fitting to prevent the hose from coming loose. As a substitute, use a -3AN or -4AN fitting and line in place of the barbed fitting. *Note: DO NOT mount the fuel pressure gauge anywhere inside the vehicle*

- Inspect the entire fuel system for any contact of fuel lines or wires with other engine and electrical components that can cause chafing or rubbing. Secure all components and fuel lines.

- Connect the vehicle's battery. Turn on the fuel pump without starting the engine. The fuel pump will have to operate for several seconds (30+) to prime in order to drive any air out of the fuel system. The fuel pressure should read approximately 25 PSIG. Inspect the fuel system for any leaks.

- When adjusting the fuel pressure, be sure that fuel pump is operating properly. In order to increase fuel pressure, rotate the adjustment screw clockwise. Do not tighten the adjustment screw past the jam nut within 1/8". Over tightening can cause damage to the FPR internally.

- After final adjustment of the fuel pressure has been made, tighten the jam nut. It is recommended to test drive the vehicle and retest the fuel pressure for accuracy.