



Installation Instructions

Return Style (Bypass) Fuel Pressure Regulator 644201

Thank you for your purchase! Follow these simple instructions for a hassle-free installation. If you are unsure about installing your new regulator, please consult a qualified technician at your preferred repair shop.

644201 Regulator Installation:

Some fuel pumps require the use of a return style fuel pressure regulator. Advantages include quieter fuel pump operation, less heat generated and longer fuel pump life.

1) Find a suitable location for mounting the regulator (as close to the carburetor as possible and away from heat) using the supplied bracket.

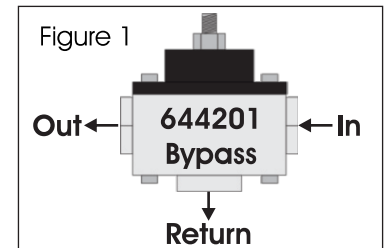
NOTE: The threads on the inlet and outlets are 3/8" NPT. Use PTFE thread sealant on all fittings and DO NOT OVER-TIGHTEN as damage to the regulator will result and warranty will be void if cracked or damaged.

2) The regulator has one inlet (either side) one outlet (opposing side to inlet) and a return (bottom). See figure 1. Securely connect your fuel line from the pump to the inlet. Route the outlet fuel line from the regulator to the fuel filter (40 micron or equivalent) and then to the carburetor. Check connections.

3) Route the return line back to the tank using a minimum 3/8" ID line. See figure 1. Check all connections.

4) The regulator is preset at the factory, but we always recommend checking with an appropriate fuel pressure gauge prior to starting the vehicle. The 644201 regulator is adjustable from 4-1/2 to 9PSI. Maximum inlet pressure is 14PSI. If your pump exceeds this, the regulator will not adjust.

5) The regulator is adjusted by loosening the lock nut on the top and turning the allen head screw. Clockwise increases pressure, while counter-clockwise reduces pressure. Tighten the lock nut after all adjustments. Turning the screw all the way clockwise, will result in excessive fuel pressure and a flooded carburetor/engine. Depending on your application, 5-6 PSI is adequate. Check fuel pressure with a gauge.



Testing:

After following the above instructions, double check all hose connections. Turn key on and prime your fuel pump. Recheck for any leaks. If all is fine, check your fuel pressure and set according to the instructions above (5).

Warranty:

The Performance World fuel pumps and regulators, carry a One Year Limited Warranty. Check our website for full details at www.performance-world.com. If you need further technical advice, feel free to contact us at sales@performance-world.com or see the Performance World Dealer where your pump was purchased.

Thank you for choosing Performance World!