

#171020 Diaphragm Bypass (with idle bleed jet) #171021 Diaphragm Bypass



INSTALLATION INSTRUCTIONS

The diaphragm bypass design reacts faster than traditional poppet bypasses – maintaining the set pressure with more consistency. Gasoline applications use the standard bypass #171021 for high pressure mechanical or electric fuel pumps and #171020 with jet for belt driven fuel pumps. Alcohol applications use #171020 bypass with jet.

As with any fuel system product, proper installation is mandatory for optimal performance. All plumbing instructions hold true for both the #171020 and #171021. **READ THE INSTRUCTIONS THOROUGHLY.**

The inlet line should come from a branch off of the supply line to the engine (via a T or Y fitting) or the exit side of a fuel inlet kit. The bypass should be mounted as close as possible to the carburetor. The return line should expel the bypassed fuel into the air space of the fuel cell. All fuel tanks and cells should have fuel cell foam installed to prevent fuel slosh.

WARNING: DO NOT BLOCK THE RETURN, VENT, OR PUMP FEED. MAKE SURE THAT THE SYSTEM IS LEAK FREE AT ALL CONNECTIONS TO ENSURE ADEQUATE SAFETY.

To set the bypass pressure, loosen the lock nut and turn the pressure adjustment stud. Turning the stud clockwise will increase fuel pressure. Turning the stud counterclockwise will decrease pressure. Always remember to tighten the lock nut after the desired pressure has been set. Most gasoline engines will operate best between 5 psi and 8 psi. Alcohol engines will require 3 - 5 psi at idle and 9 - 11 psi at wide-open throttle. Additional pressure adjustments may be necessary at the track to tune your system for optimal performance.

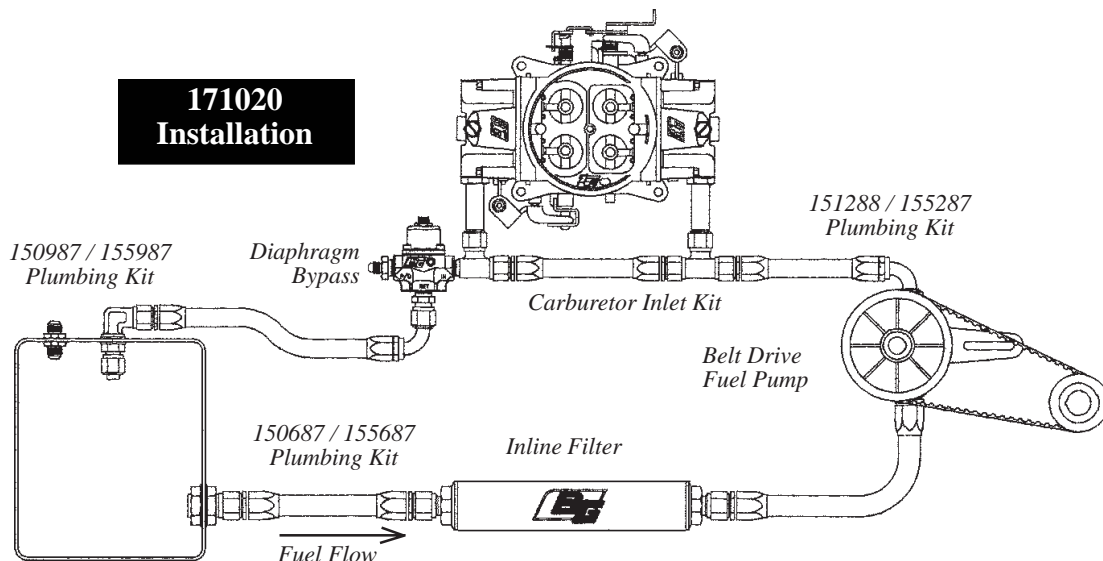
When tuning the idle pressure on the #171020, remember that the larger the bleed jet, the lower the pressure. The smaller the bleed jet, the higher the idle pressure.

If a repair or rebuild is required, the bypass may be serviced using BG part #171025.

Notice: When sending in parts for service, please include a description of the problem, a return address, and a daytime telephone number.

Diagram and installation on reverse side.

For further questions, please contact our technical department at (706) 864-8544.



**171021
Installation**

