

HOWELL

**ENGINE DEVELOPMENTS, INC.
FUEL INJECTION APPLICATIONS**

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INSTALLATION OF BYPASS FUEL PRESSURE REGULATOR FOR GEN III CHEVROLET ENGINES.

All Chevrolet Generation III (LS series) engines operate at 58-60 PSI fuel pressure. The Howell regulator, when mounted in your high pressure fuel line will regulate your fuel pressure at 58-60 PSI and bypass the excess fuel supplied by your in-line or in-tank fuel pump back to the fuel tank. It can be used on any Gen III engine manufactured with a single fuel line to the fuel rail. NOTE: Some earlier models of Gen III engines had a fuel rail mounted pressure regulator, and a bypass fuel line off the factory fuel rail.

The Howell pressure regulator is mounted to a tee with either hose nipples or AN-6 outlets, depending on what you specified when ordering the part. Your high pressure fuel can enter or exit either end of the tee. The fitting on the downstream end of the regulator is for bypassed fuel, and connects to the return line to the fuel tank.

The regulator can be mounted anywhere between the fuel pump and the engine, with the return line running back to the tank.

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