



Did You Know?

NAPA Echlin Fuel Injectors – Superior Inside and Out!

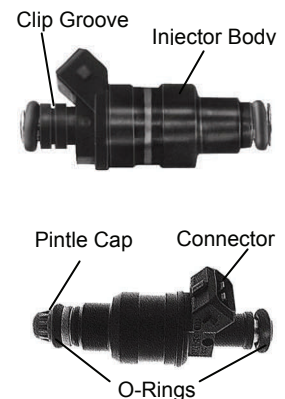
External Components

Connector: Designed to match original equipment so the injector fastens properly to the vehicle wiring harness. The terminals are laser welded to the coil windings which insures easy and proper connection for delivery of voltage to the internal solenoid.

Clip Groove: Provides a means to fasten the injector to the fuel rail. The groove depth and positioning match OE and the injectors are easily attached to fuel rail.

Body: Manufactured of a low magnetic stainless steel body which is laser welded to the injector core. During the laser welding process, heat transfer to internal components is minimized to prevent damage to finely machined components. The body is sealed via an injection molding process using high temperature plastics protecting the injector from engine heat and moisture damage.

O-Rings: Used to seal the injector to the engine and fuel delivery system. Composed of Viton® Fuel Resistant Rubber; well known for its excellent (400°F/200°C) heat resistance. Excellent protection from aggressive fuels and chemicals, while preventing fuel and air leaks under extreme underhood operating conditions.



Internal Components

Solenoid Coil Windings: Creates a magnetic field that opens the fuel control valve. It is precision wound and trimmed to match OE resistance values thus providing perfect timing and response as commanded by the engine control computer.

Calibration Slide & Spring Assembly: The assembly is precision machined, positioned, and locked in place via computer controlled calibrating equipment to establish proper movement and sealing pressure of the fuel valve. This process establishes the fuel volume to match original specifications and prevents unwanted leakage.

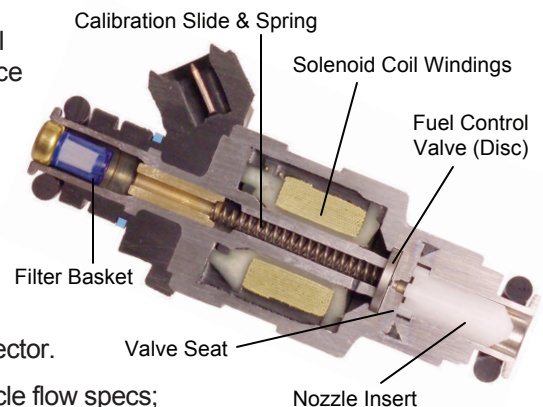
Fuel Control Valve: Opens & closes to allow fuel to flow through the injector.

Disc: The disc armature is electronically drilled to match the original vehicle flow specs; machined to a 1 micron finish to create a perfect sealing surface with the disc valve seat.

Pintle: The pintle valve is cut to match the original vehicle fuel flow specs and machined to a 1 micron finish for a perfect sealing surface with the pintle seat - resulting in positive control of fuel delivery for top performance.

Valve Seat: Seals the fuel control valve to prevent leakage when the injector is closed. Machined to a 1 micron finish thus creating a leak-proof seal with fuel control valve and preventing rich mixture condition.

Spray Pattern: Designed to properly atomize fuel for efficient combustion. NAPA Echlin designs its fuel injectors to match OE spray pattern design specifications which guarantees perfect performance and proper emissions.



NAPA Echlin
LOOKS RIGHT. FITS RIGHT. PERFORMS RIGHT.

THE BEAR IS BACK

