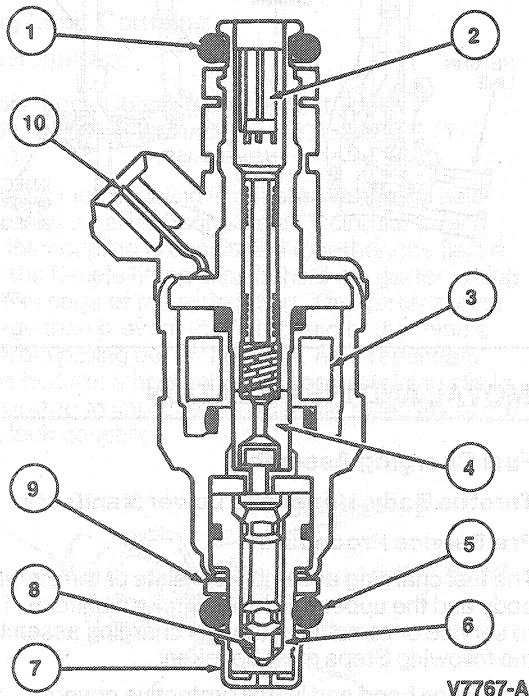


COMPONENTS

Fuel Injectors

The fuel injector nozzles are electro-mechanical devices which both meter and atomize fuel delivered to the engine. The multiport fuel injection (MFI) fuel injectors are mounted in the cylinder head pockets and positioned so that their tips are directing fuel just before the engine intake valves. The valve body consists of a solenoid actuated valve assembly. Therefore, fuel flow to the engine is regulated only by how long the solenoid is energized. An electrical signal from the powertrain control module (PCM) activates the solenoid, causing the needle to move inward off the seat, allowing the fuel to flow through the orifice. Atomization of the fuel is obtained by a director / metering plate where the fuel separates.



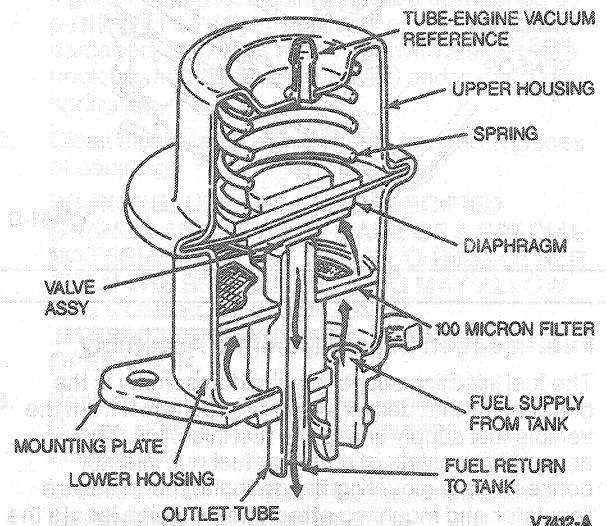
V7767-A

| Item | Description |
|------|---------------------------|
| 1 | Outer O-Ring Seal (Upper) |
| 2 | Integral Filter |
| 3 | Coil |
| 4 | Armature |
| 5 | Outer O-Ring Seal (Lower) |
| 6 | Stainless Steel Body |
| 7 | End Cap |
| 8 | Stainless Steel Needle |
| 9 | Washer |
| 10 | Electrical Connector |

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Fuel Pressure Regulator

The fuel pressure regulator is attached to the fuel injection supply manifold assembly downstream of the fuel injectors. It regulates the fuel pressure supplied to the fuel injectors. The regulator is a diaphragm operated relief valve in which one side of the diaphragm senses fuel pressure and the other side is subjected to intake manifold vacuum. The nominal fuel pressure is established by a spring preload applied to the diaphragm. Balancing one side of the diaphragm with manifold pressure maintains a constant fuel pressure drop across the fuel injectors. Fuel in excess of that used by the engine, is bypassed through the fuel pressure regulator and returned to the fuel tank.



V7412-A

Throttle Body Assembly

The throttle body assembly controls airflow to the engine. The throttle position is controlled by a single lever and cable linkage. The body is a single-piece die casting made of aluminum. It has a single bore with an air bypass channel around the throttle plate. This bypass channel controls both cold and warm engine idle airflow control as regulated by an idle air control valve (9F7 15) assembly mounted directly to the throttle body. The valve assembly is an electro-mechanical device controlled by the powertrain control module (PCM). It incorporates a linear actuator which positions a variable area metering valve.

Other features of the air throttle body assembly include:

1. A pre-set stop to locate the WOT position.