

PARTS IDENTIFICATION

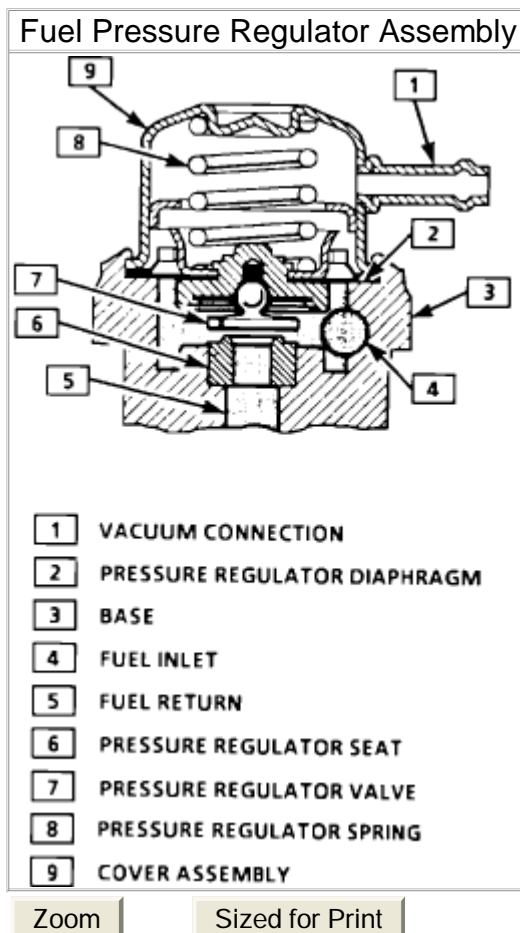
- | | |
|---|--|
| 1 O-ring - Fuel Inlet Line | 241 Pressure Regulator Assembly |
| 2 O-ring - Fuel Return Line | 268 Seal - O-Ring |
| 8 Seal - Injector Housing | 292 Fuel Inlet and Outlet Tube Assembly |
| 26 Fuel Pressure Connection Assembly | 293 Tube - Fuel Return - RH |
| 28 Cap - Fuel Pressure Connection | 294 Tube - Fuel Return - LH |
| 80 MPFI Injector Assembly:
(P)Primary (S)Secondary | 295 Retainer - Regulator Tube |
| 86 Seal - O-ring, Injector | 296 Retainer - Fuel Inlet Tube |
| 87 Clip - Injector Retainer | 297 Screw Assembly - Fuel Return Tube Retainer Attaching |
| 200 Fuel Rail and Plug Assembly - LH | 298 Screw Assembly - Crossover Tube Retainer Attaching |
| 201 Fuel Rail and Plug Assembly - RH | 299 Screw Assembly - Fuel Inlet Tube Retainer Attaching |
| 234 Retainer - Crossover Tubettaching | 300 Bracket - Rail Mounting |
| | 301 Screw Assembly - Bracket Attaching |

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SHOWCASE HONDA

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Description and Operation

[Notes](#)

The fuel pressure regulator assembly is a diaphragm-operated relief valve with [fuel pump](#) pressure on one side, and regulator spring pressure and intake manifold vacuum on the other. The function of the regulator is to maintain a constant pressure differential across the injectors at all times. The pressure regulator compensates for engine load by increasing [fuel pressure](#) as engine vacuum drops.

With the ignition "ON" and engine "OFF" (zero vacuum), [fuel pressure](#) at the test connection should be 333-376 kPa (48-55 psi). If the pressure is too low, poor performance could result. If the pressure is too high, excessive odor and a Code 45 or Code 65 may result. **FUEL SYSTEM DIAGNOSIS (CHART A-7)**

has information on diagnosing fuel pressure conditions.

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Conversion Calculator

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Specifications

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FUEL PRESSURE:

Ignition ON Engine OFF	333 - 376 kPa (48.0 - 55.0 psi)
With Regulator Vacuum Applied [1]	3.0 - 10.0 psi Less than Ignition ON Engine OFF

REMARKS:

[1] May be checked with either of the following methods.

- With Pressure Regulator Vacuum Line Attached at normal [idle speed](#).
- Ignition ON Engine OFF with 10 Inches Of Vacuum Applied To The Pressure Regulator.