

1982 Electric Fuel Pumps

MITSUBISHI ELECTRIC FUEL PUMP

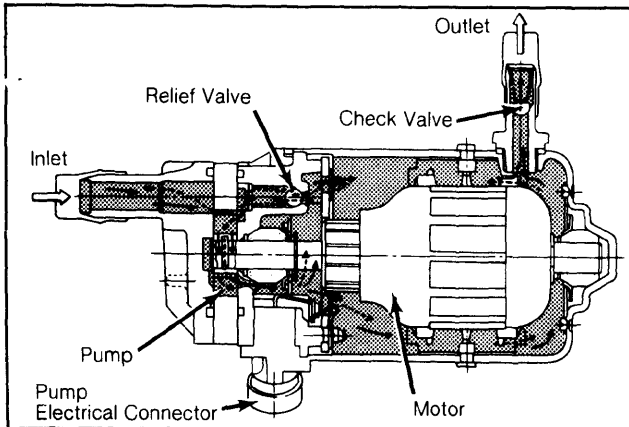
Datsun/Nissan 200SX, 280ZX,
280ZX Turbo, Maxima

DESCRIPTION

The fuel pump is a wet type where the vane rollers are directly coupled to a motor filled with fuel. A relief valve in the pump is designed to open when pressure in the fuel line rises above 43-64 psi (3.0-4.5 kg/cm²).

A check valve on the fuel pump outlet prevents an abrupt drop in pressure in the fuel lines when the engine is stopped.

Fig. 1: Sectional View of Mitsubishi Electric Fuel Pump



OPERATION

The fuel pump is actuated by a fuel pump relay when the ignition switch is in the "START" or "ON" position. As fuel goes through the pump, it is routed to a fuel damper mounted near the fuel pump. The damper reduces pulsations in the fuel lines. The fuel pump and damper are mounted in front of the fuel tank on all models.

REMOVAL & INSTALLATION

REMOVAL

1) Disconnect negative battery cable at battery. Make sure that there is no pressure in the fuel lines. Raise the rear of vehicle and support with safety stands. Clamp hose between fuel tank and pump. Remove fuel hose clamps at inlet and outlet hoses at pump.

2) Disconnect fuel hoses from fuel pump. Disconnect harness connector from fuel pump. Remove bolts that attach fuel pump bracket to body. Remove fuel pump and fuel damper from vehicle as an assembly. Separate fuel damper from fuel pump.

INSTALLATION

To install fuel the electric fuel pump, reverse removal procedures.