

## BOSCH ELECTRIC FUEL PUMPS

Audi	Peugeot
BMW	Porsche
Fiat	Saab
Gasoline Injected Models	Triumph
Jaguar	TR7 & TR8
XJ6	Volkswagen
Mercedes Benz	Gasoline Injected Models
Gasoline Injected Models	Volvo

## DESCRIPTION

Bosch electric fuel pumps are positive displacement roller cell type, operated on 12 volts. Operating pressure is determined by one or more external fuel regulators in engine compartment. Pumps include an internal fuel pressure relief valve and an external, replaceable discharge check valve to prevent fuel from returning to tank when pump is off. Some pumps may also incorporate a damper chamber on discharge outlet to prevent pulsations in fuel lines.

## OPERATION

Pumps are activated by relays when ignition switch is in "START" or "RUN" position, and are protected from circuit overload by fuses and/or fuseable links. Fuel is circulated through pump rotor and brushes to discharge outlet. Pumps are a non-servicable component and should be replaced if not operating properly. Refer to appropriate Fuel Injection article in FUEL SYSTEMS Section for testing and diagnostic procedures.

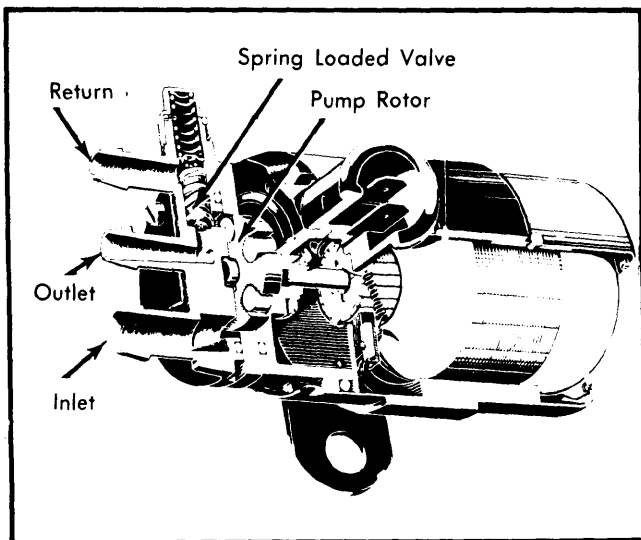


Fig. 1 Return Line Type Fuel Pump

## TESTING

**NOTE** — Refer to appropriate Fuel Injection article in FUEL SYSTEMS Section for Testing and Diagnostic procedures.

## REMOVAL &amp; INSTALLATION

## FUEL PUMP

**CAUTION** — Do not allow smoking, open flame or sparks in area while servicing fuel system components. Disconnect bat-

tery ground terminal prior to removing pump. Danger of fire or explosion exists.

**Removal** — 1) Fuel pressure must be relieved prior to any component removal. Carefully remove and plug fuel lines to prevent spillage. Disconnect electrical connections.

**NOTE** — Depending on make and model, it may be necessary to jack car up or remove carpeting and panels in order to gain access to fuel pump.

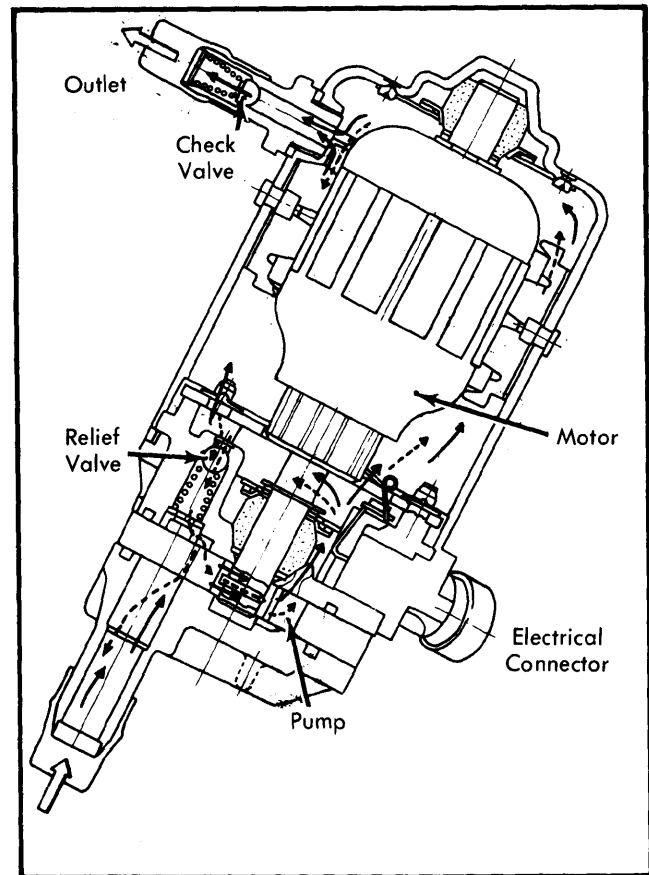


Fig. 2 Non-Return Type Fuel Pump (Datsun Shown)

2) Remove mounting bolts and retain rubber insulating grommets for reinstallation. Tip pump as required to clear chassis and remove from car.

**NOTE:** Some models including Jaguar, Saab and Volkswagen fuel pump(s) are located in the fuel tank. If necessary, drain fuel, remove tank and remove fuel pump. Saab models fuel pump access is under rear hatch panel.

**Installation** — To install, reverse removal procedures and ensure no leaks are present.