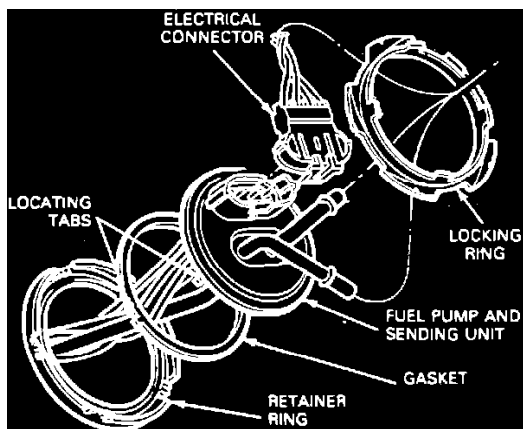


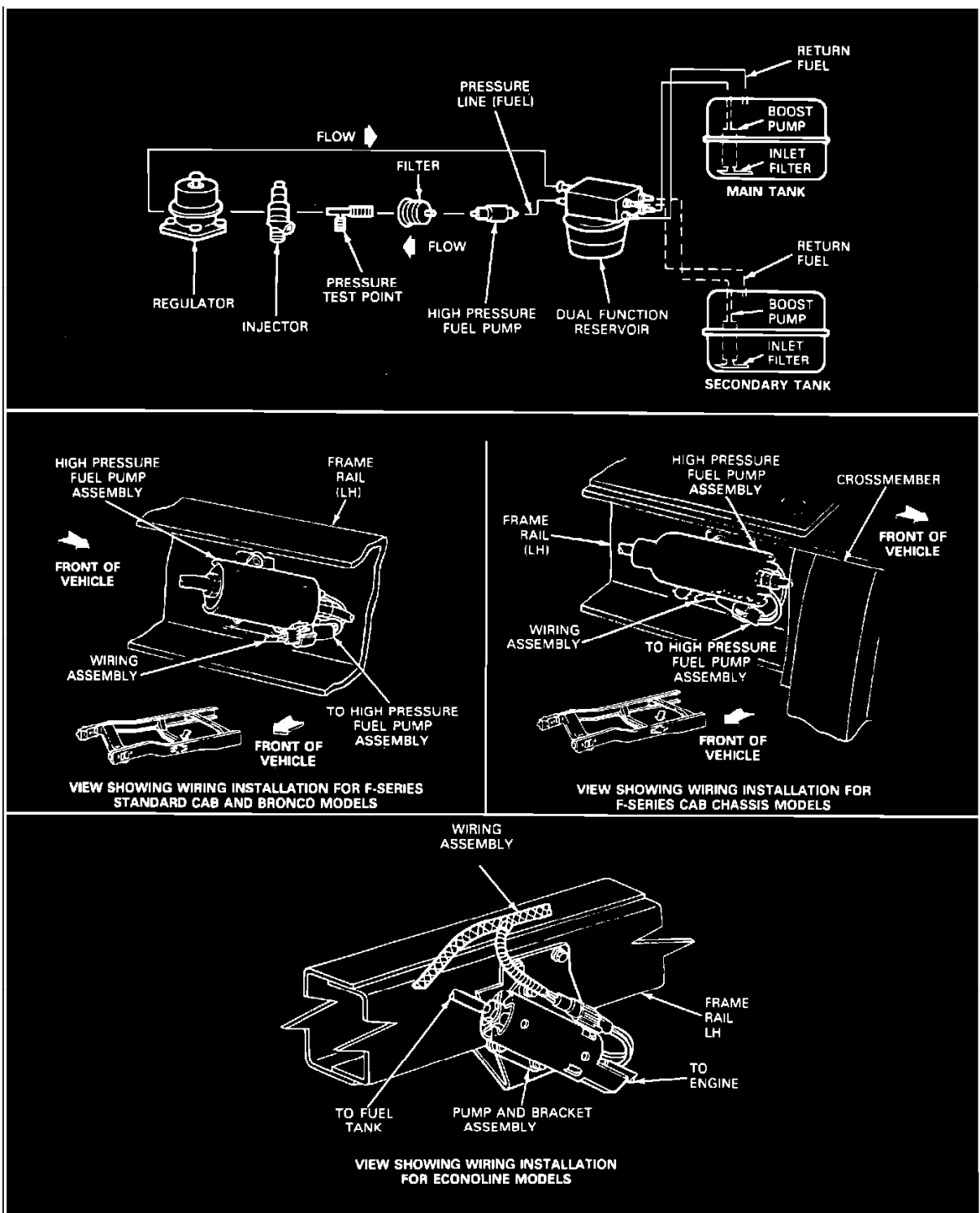
Fuel Pump: Description and Operation



Fuel Pump

The electric fuel pump system consists of two fuel pumps: a low pressure boost pump mounted in the fuel tank, and a high pressure fuel pump mounted on the frame rail. An in-line reservoir is located at the high pressure pump inlet. This design provides for satisfactory fuel pump operation during extreme vehicle maneuvers and steep vehicle attitudes with low-tank fill levels.

The low pressure electric fuel pump is used to provide pressurized fuel to the inlet of the high pressure pump and helps prevent noise, hot fuel problems, and prevent dirt and other particulate matter from entering the system. Any water accumulation in the fuel tank can pass through the filter without restriction.



Fuel Pump

The externally mounted high pressure fuel pump is capable of supplying 80 liters (21.2 gallons) of fuel per hour at a working pressure of 269.0 kPa (39 psi). The pump has an internal pressure relief valve to provide overpressure protection in the event the fuel flow becomes restricted. Overpressure is restricted to 950 kPa (138 psi) and reduced fuel flow will result. The system pressure is controlled by a pressure regulator on the engine.