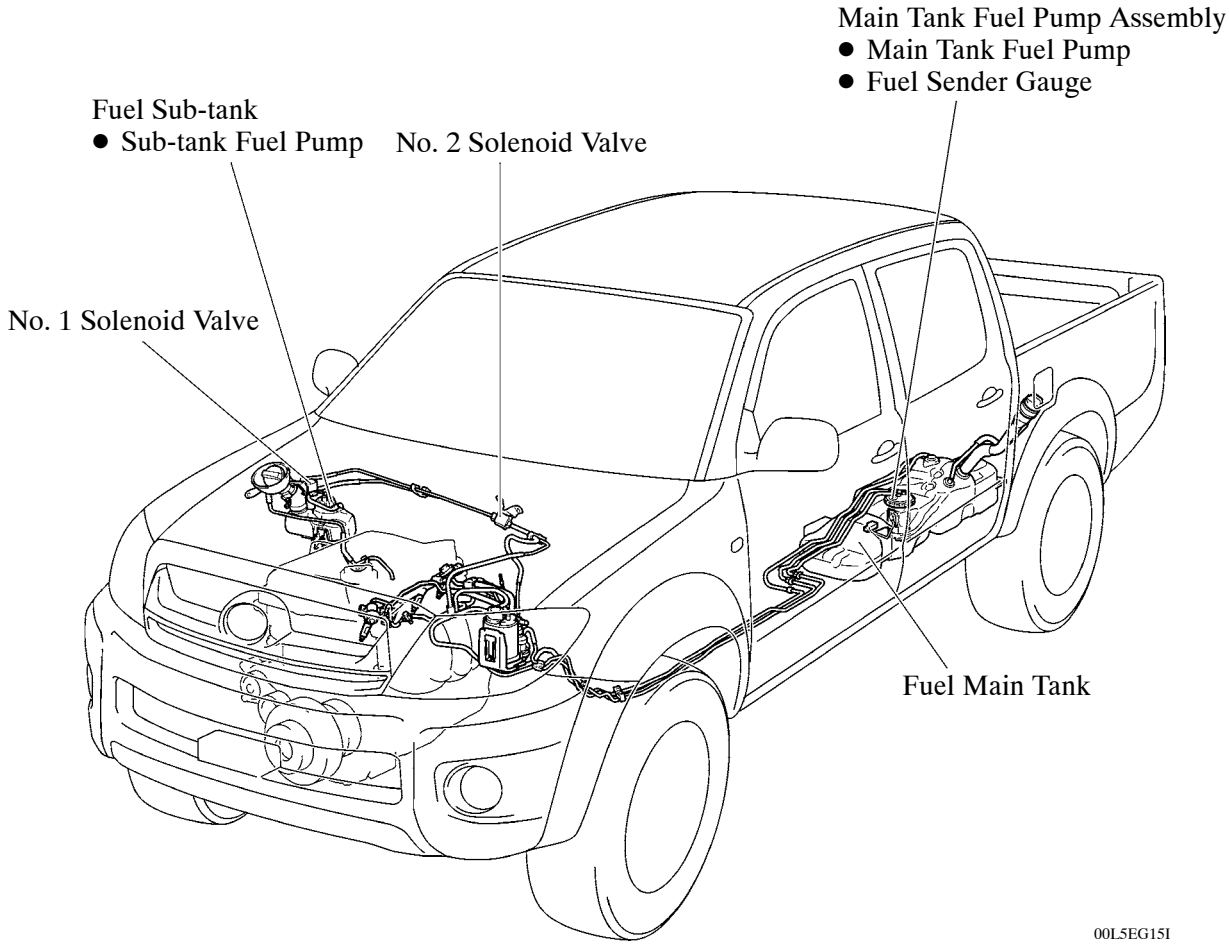
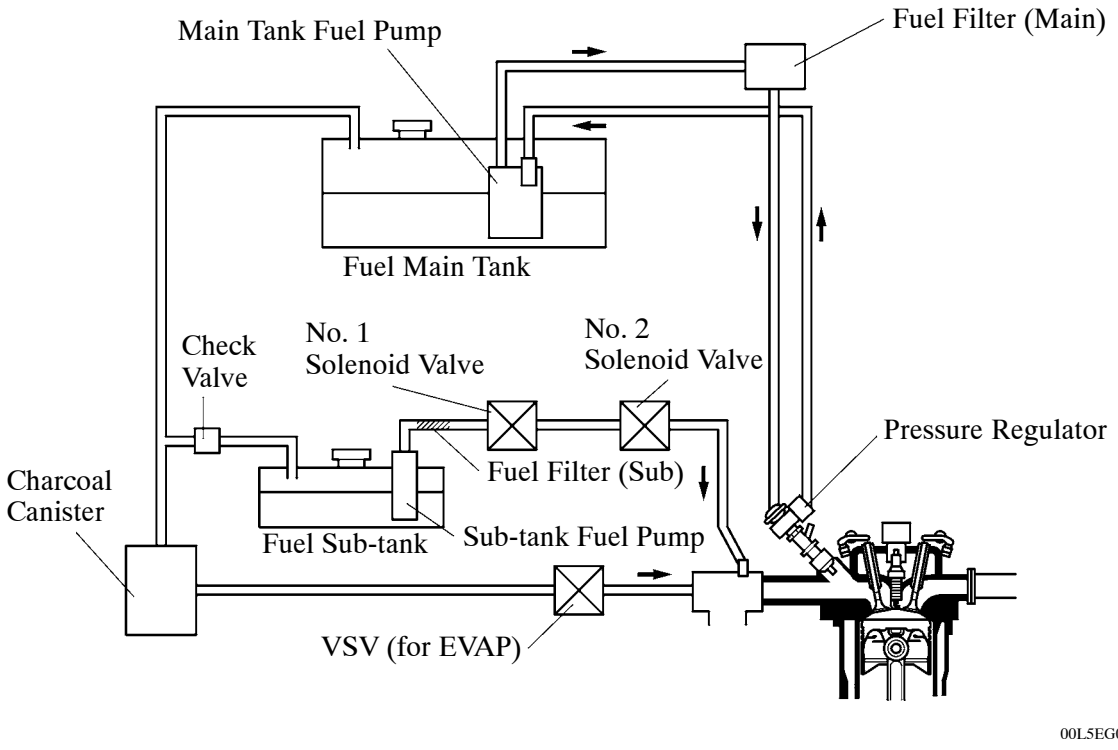
■FUEL SYSTEM

1. General

- The sub-tank system is added to ensure cold starting performance when the vehicle runs on alcohol fuel. For details of the sub-tank system control, see page EG-83.
- The fuel injector with optimized fuel flow amount is used to be compatible with alcohol fuel.
- A compact, alcohol-resistant main tank fuel pump assembly is used.



▶ System Diagram ◀

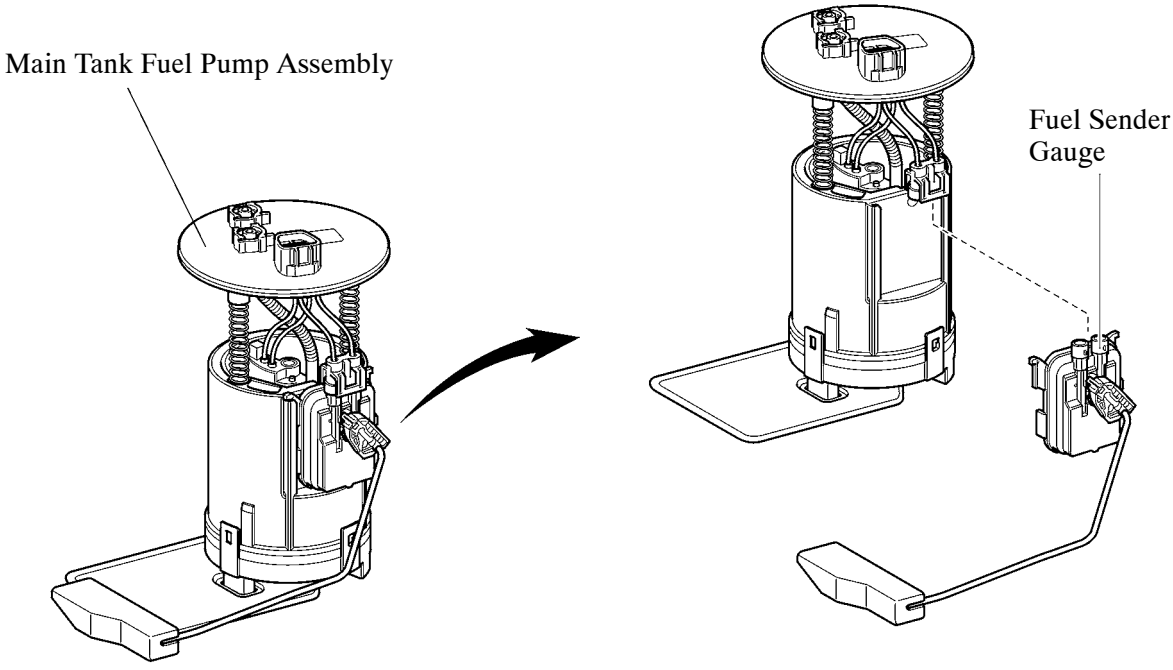


Service Tip

A net-shape structure type fuel filter (sub) is built into the fuel tube between the sub-tank fuel pump and No. 1 solenoid valve. The fuel filter (sub) cannot be replaced alone; instead, a fuel tube assembly (integrating the fuel filter) should be replaced.

2. Main Tank Fuel Pump Assembly

- A compact, alcohol-resistant main tank fuel pump assembly integrating a fuel sender gauge and a main tank fuel pump is used.
- A sealed type fuel sender gauge is used to protect metal surfaces from being corroded by alcohol fuel.



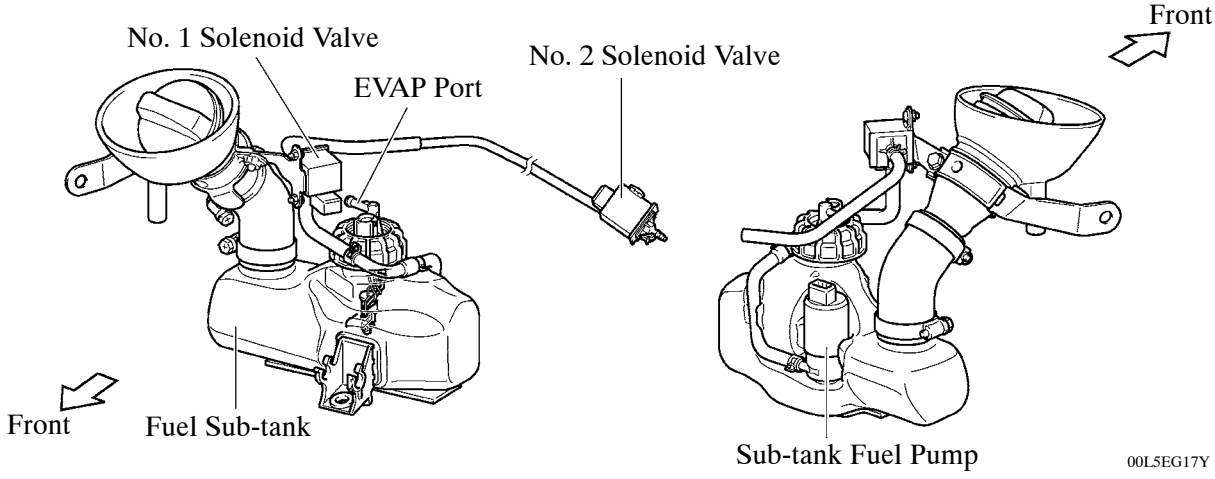
3. Sub-tank System

General

The sub-tank system consists of the fuel sub-tank, sub-tank fuel pump, solenoid valves, and fuel jet. During cold engine starting, when the fuel in the fuel main tank is of a high ethanol concentration, the sub-tank system injects the low ethanol concentration fuel which is in the fuel sub-tank into the intake port. For details of the sub-tank system control, see page EG-83.

Fuel Sub-tank, Sub-tank Fuel Pump and Solenoid Valves

- A fuel sub-tank with a sub-tank fuel pump is used.
- The capacity of the fuel sub-tank is 0.6 liters (0.63 US qts, 0.53 Imp. qts).
- The fuel sub-tank is provided with an EVAP port.
- The solenoid valves which control fuel flow are used.



Service Tip

The fuel sub-tank is supplied with fuel of E22 (22% ethanol.)

Fuel Jet

- A fuel jet has been added to the intake manifold.
- When the sub-tank system is operating, the fuel jet injects the fuel which is in the fuel sub-tank into the intake port.

