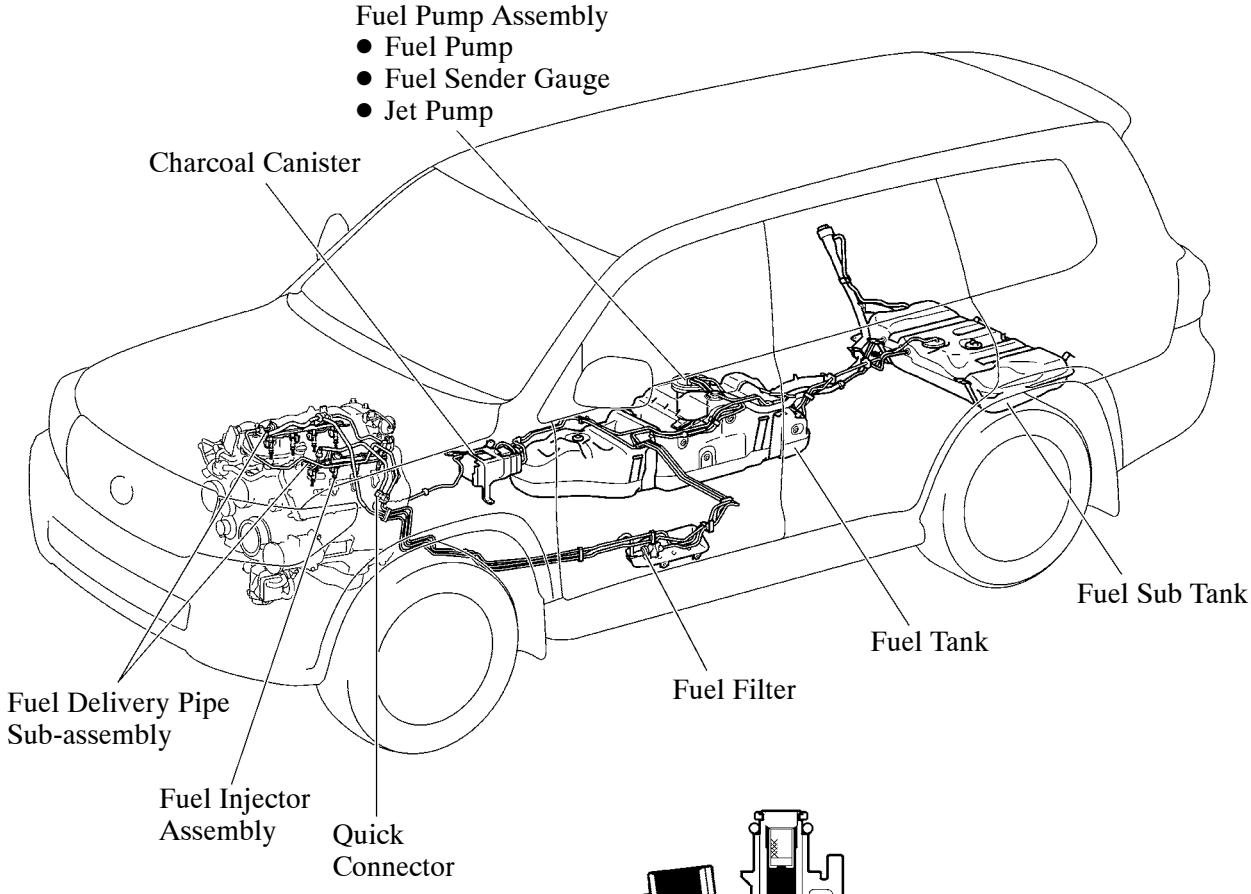
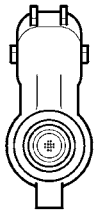
■FUEL SYSTEM

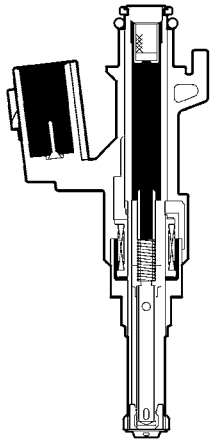
1. General

- The fuel pump is stopped when the Supplemental Restraint System (SRS) airbags are deployed. For details, see page 143.
- Compact 12-hole type fuel injectors are used to improve the atomization of fuel.
- Fuel delivery pipe sub-assemblies formed from stamped steel are used to deliver fuel to the fuel injectors.
- Quick connectors are used to connect the fuel lines for ease of serviceability.
- Except on the models for Europe, the dual fuel tank which is comprised of a fuel tank and a fuel sub tank is provided.
- A multi-layer plastic fuel tank is used.
- On the models with dual fuel tank, a multi-layer plastic fuel sub tank is used.





Bottom Side View

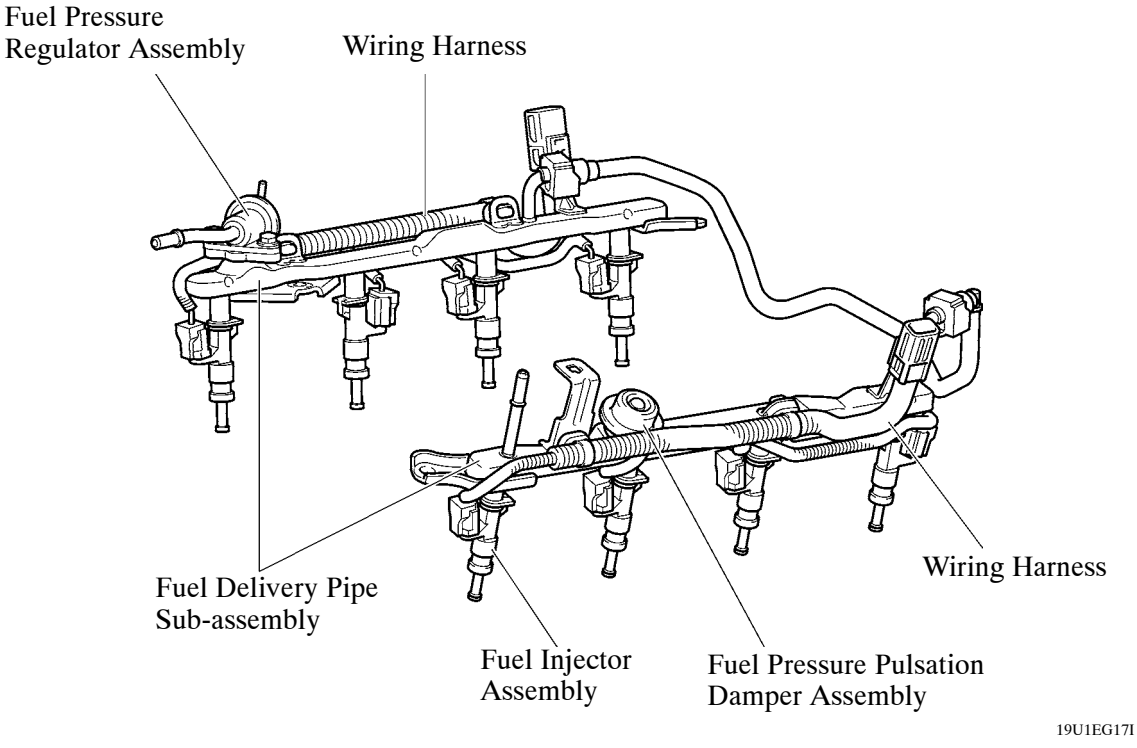


Fuel Injector Assembly Cross Section

19U1EG37Y

2. Delivery Pipe

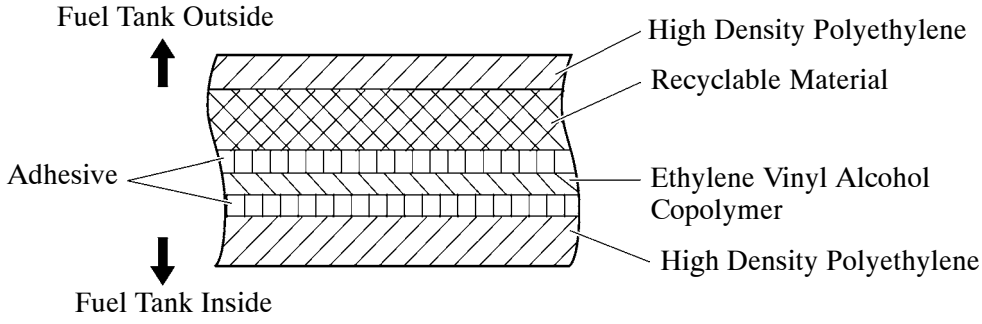
- Fuel delivery pipe sub-assemblies formed from stamped steel are used to deliver fuel to the fuel injector assemblies.
- A fuel pressure pulsation damper assembly is provided on the fuel delivery pipe sub-assembly in the left bank. A fuel pressure regulator assembly is installed on the right bank fuel delivery pipe sub-assembly.
- The wiring harnesses that connect to the fuel injector assemblies are combined into a single strand at each bank. Furthermore, they each connect to the engine harness at a single connector for improved serviceability.



3. Fuel Tank

General

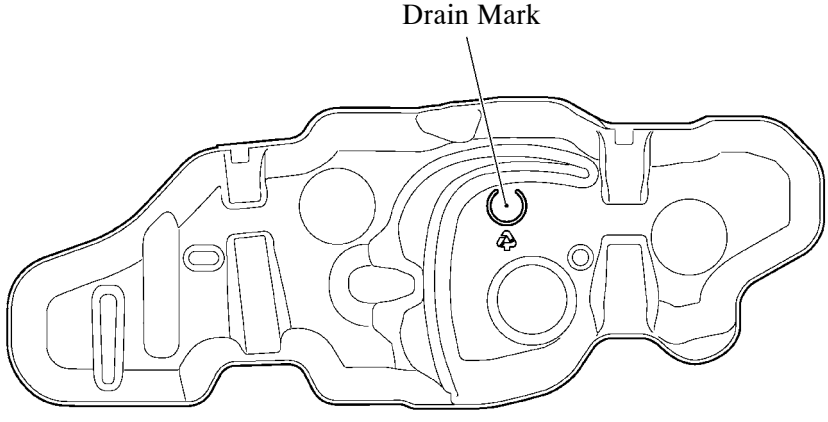
- The multi-layer plastic fuel tank consists of 6 layers of 4 types of materials, and one of those is a recyclable material to address environmental concerns.
- A jet pump, which automatically transfers fuel from the fuel sub tank to the fuel tank, is provided in the fuel tank on models with a dual fuel tank.



Cross Section of Fuel Tank 19U1EG18I

Service Tip

A drain mark has been provided at the lowest position of the fuel tank. When dismantling (scrapping) the vehicle, drain fuel by drilling holes at the drain mark.



Bottom Side View 080EG14TE

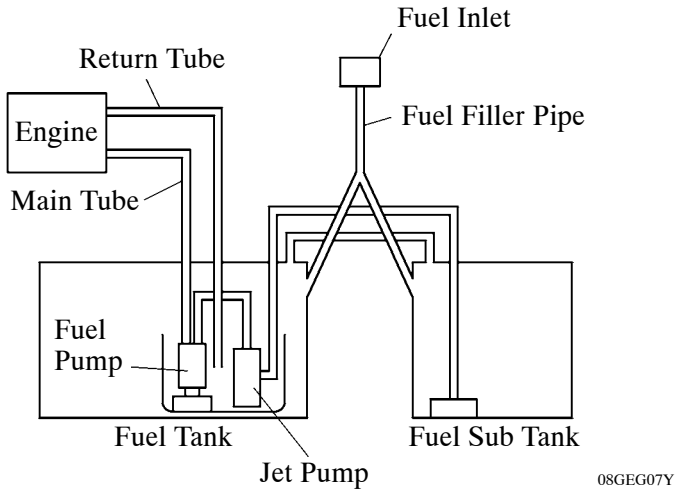
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Construction of Dual Fuel Tank

1) General

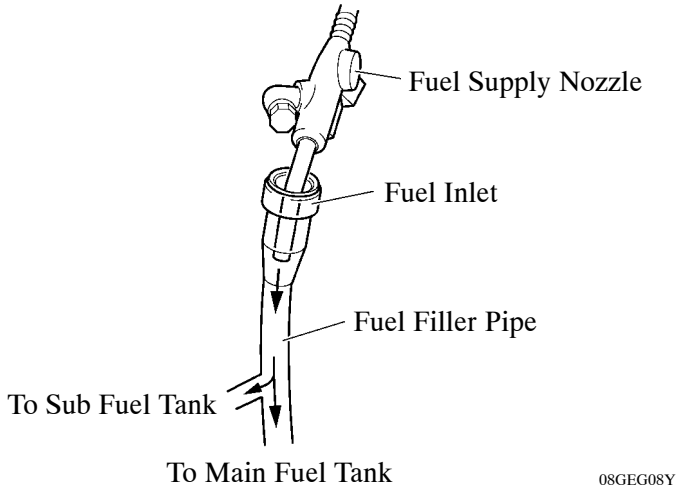
- A jet pump is provided in the fuel tank in order to automatically transfer fuel from the fuel sub tank to the fuel tank.
- A fuel filler pipe which has a unified structure directly below the fuel inlet but which branches into two at a midway point in used. Therefore, the driver can refuel without the need to distinguish the fuel tank from the fuel sub tank.

▶ System Diagram ◀



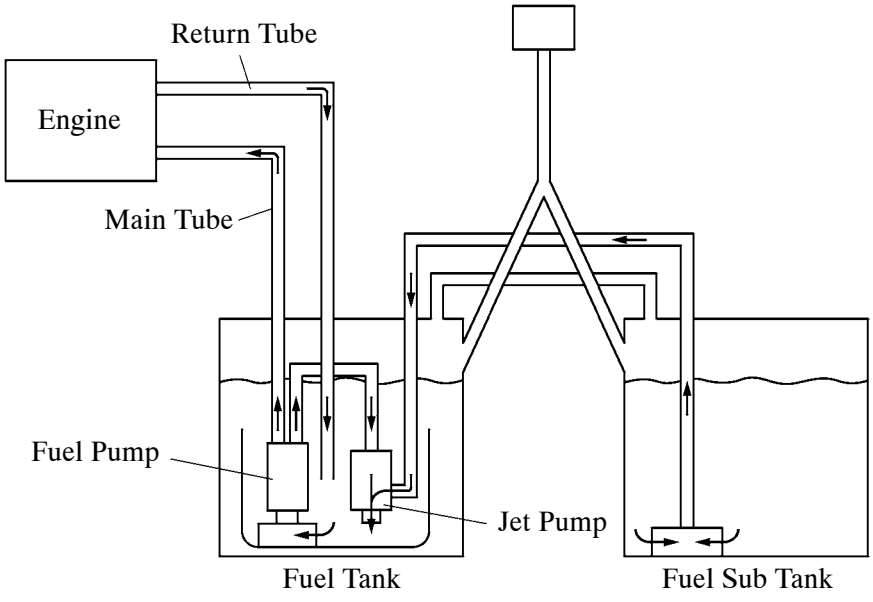
2) Fuel Inlet

There is only one fuel filler pipe directly below the fuel inlet, which branches into two pipes at a midway point.



3) Operation

- The fuel from the fuel pump actuates the jet pump in the fuel tank, in order to draw fuel from the fuel sub tank to the fuel tank.



- The fuel from the fuel pump passes through the orifice in the jet pump and returns to the fuel tank. Because the flow speed of the fuel from the fuel pump increases as it passes through the orifice, a vacuum is created near the exit of the orifice. This vacuum causes the fuel to be drawn from the fuel sub tank to the fuel tank.

