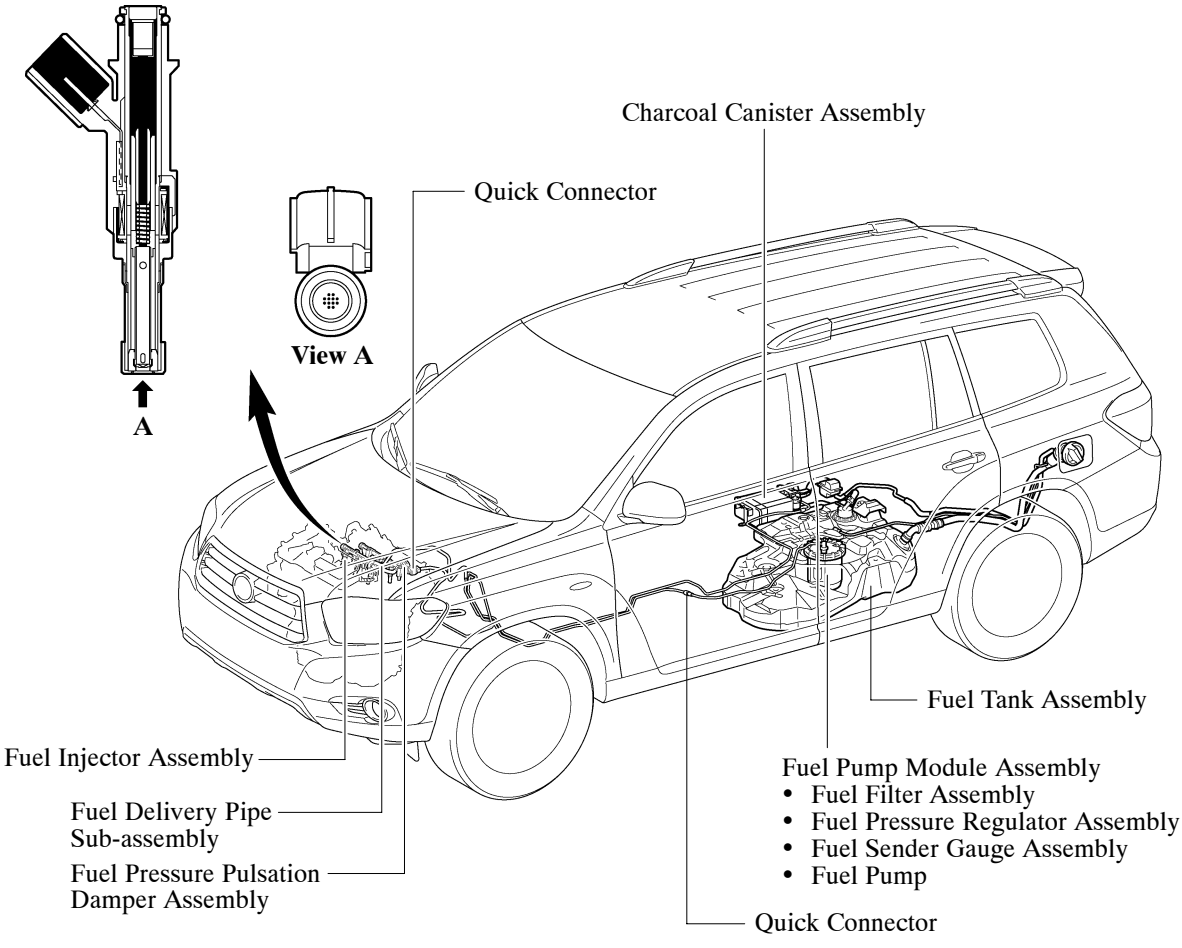
■ FUEL SYSTEM

1. General

- A compact 12-hole type fuel injector assembly is used to increase atomization of the fuel.
- A quick connector is used to connect the fuel pipe with the fuel hose for excellent serviceability.
- A fuel returnless system is used to reduce evaporative emissions.
- A fuel delivery pipe sub-assembly made of plastic is used.
- A multiple layer plastic made fuel tank assembly is used.
- A compact fuel pump in which a fuel filter is integrated in the fuel pump assembly is used.
- A fuel cut control is used to stop the fuel pump if the SRS airbag is deployed in a frontal, side or rear side collision. For details, see page EG-79.
- The ORVR (Onboard Refueling Vapor Recovery) system is used. For details, see page EG-90.

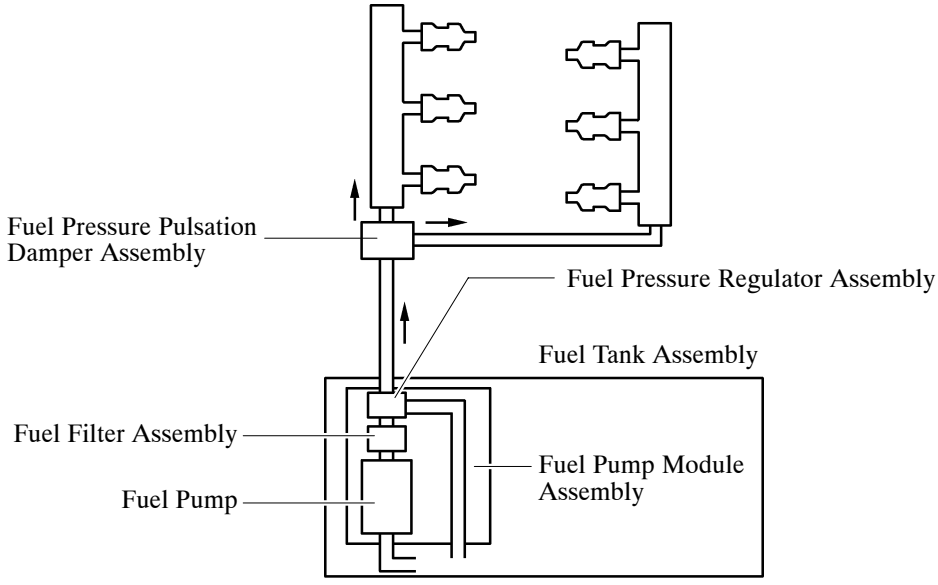
Fuel Injector Assembly



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2. Fuel Returnless System

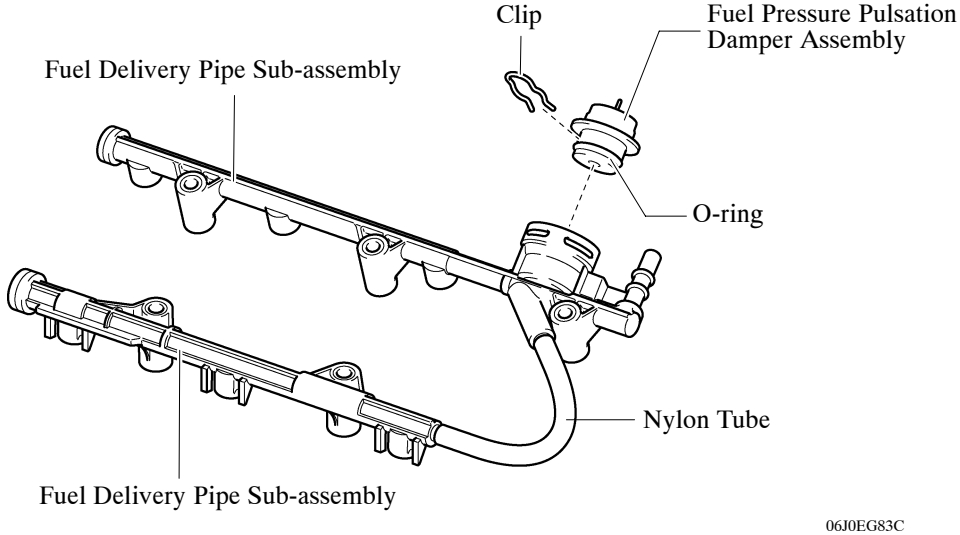
This system is used to reduce evaporative emissions. As shown below, by integrating the fuel filter assembly, fuel pressure regulator assembly, and fuel pump, it is possible to discontinue the return of fuel from the engine area thus preventing temperature rise inside the fuel tank assembly. This reduces the generation of evaporative emissions in the fuel tank assembly.



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3. Fuel Delivery Pipe Sub-assembly

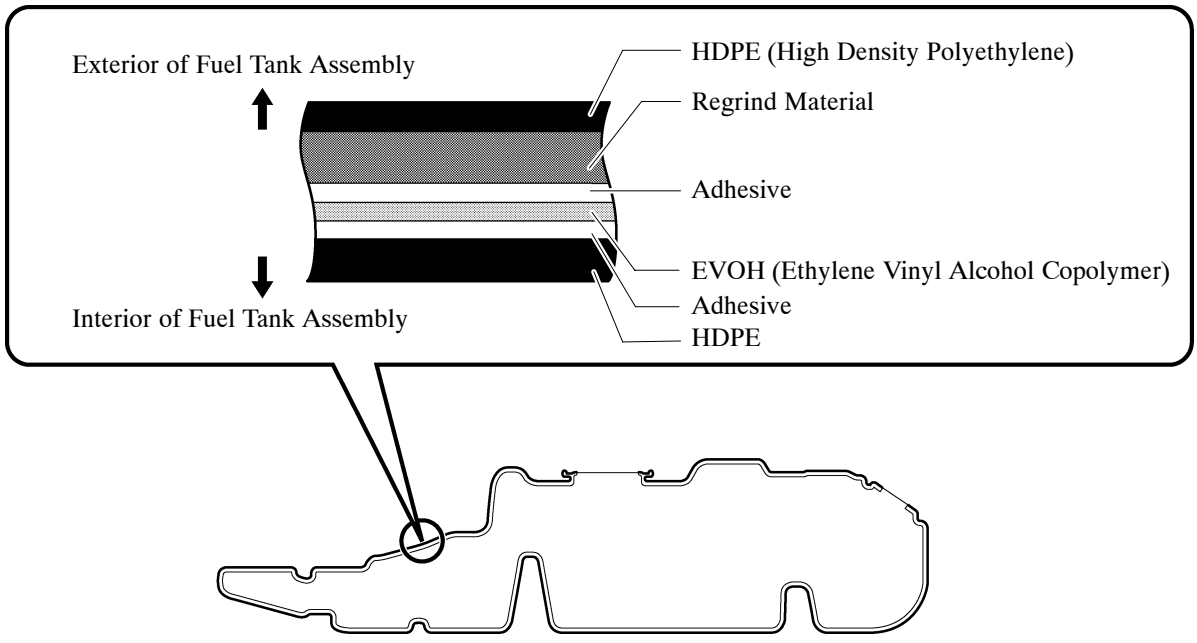
- Fuel delivery pipe sub-assemblies made of plastic are used to realize weight reduction.
- The right and left fuel delivery pipe sub-assemblies are connected by a nylon tube.
- The fuel pressure pulsation damper assembly is sealed with an O-ring and secured with a clip.



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4. Fuel Tank Assembly

Low permeability is realized through the use of the multi-layered plastic fuel tank assembly. This fuel tank assembly consists of six layers of four types of materials.



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