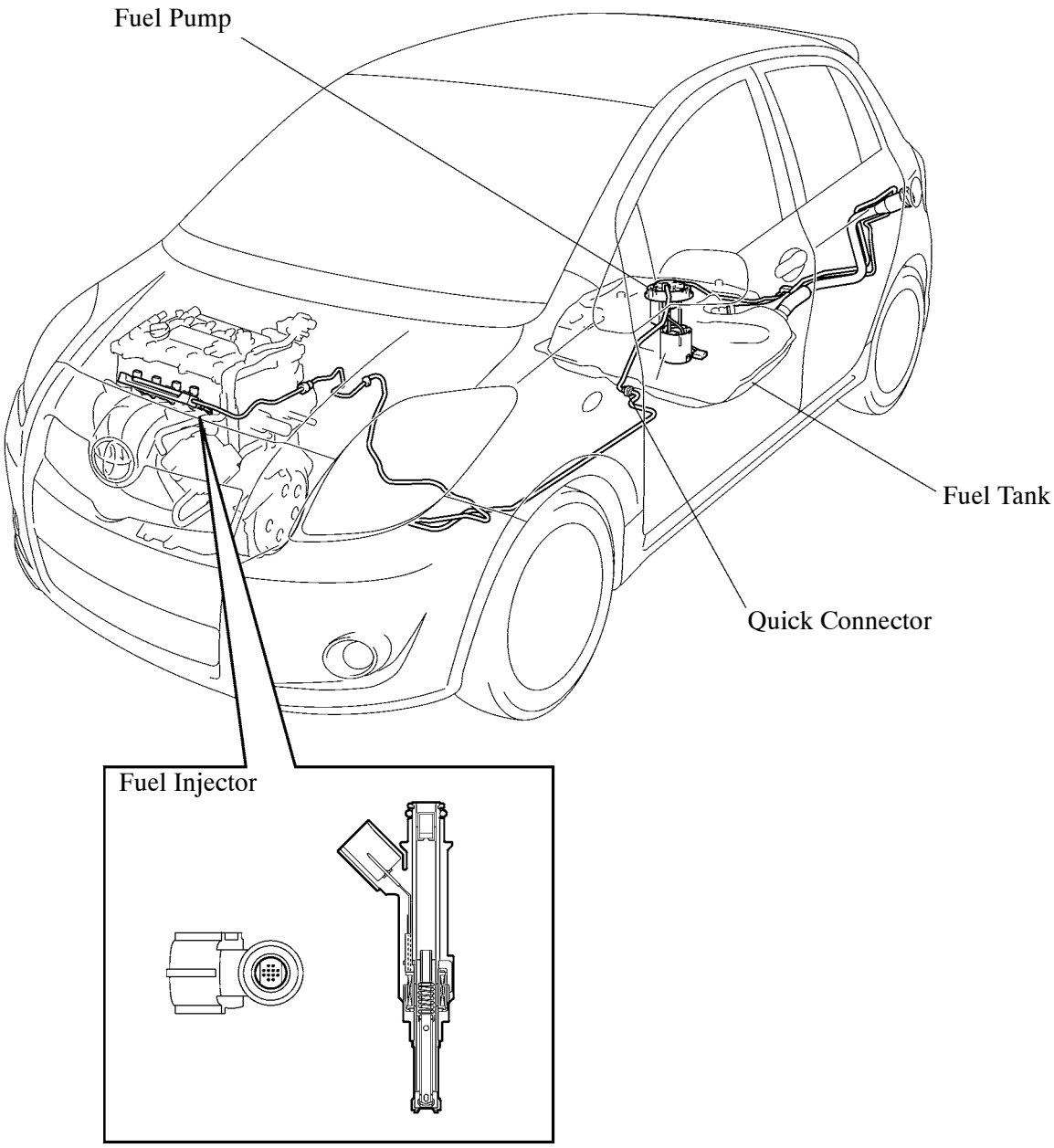
■FUEL SYSTEM

1. General

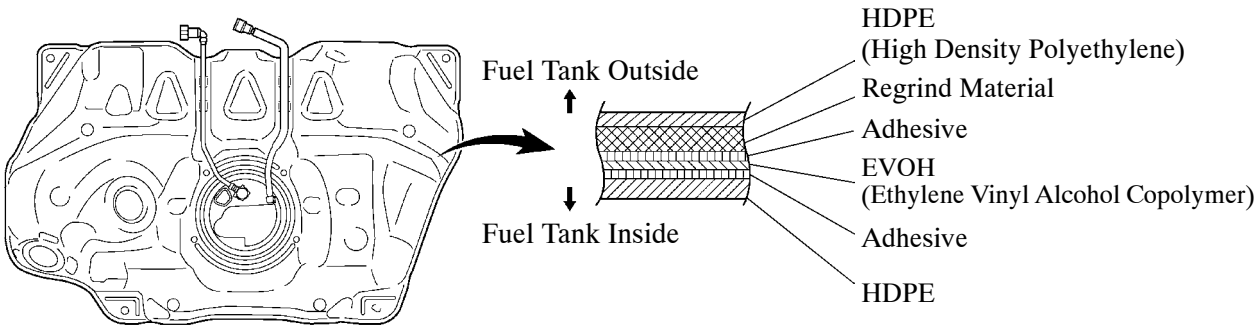
- The injector is shaped to form a long nozzle. This shortens the distance from the injector to intake valve, which prevents the fuel from adhering to the intake port walls and reduces HC exhaust emissions. Depending on the type of fuel that is used, a 12-hole type injector is provided.
- A multiplex layered plastic fuel tank is used.
- A compact fuel pump in which the fuel filter, pressure regulator, charcoal canister and fuel sender gauge are all integrated in the fuel pump assembly is used.
- A fuel returnless system is used to reduce evaporative emissions.
- An inner pipe is provided inside the delivery pipe to absorb fuel pulsations.
- A fuel cut control is used to stop the fuel pump when the SRS airbag is deployed in a front or side collision. For details, see page 71.
- A quick connector is used to connect the fuel pipe with the fuel hose for excellent serviceability.



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2. Fuel Tank

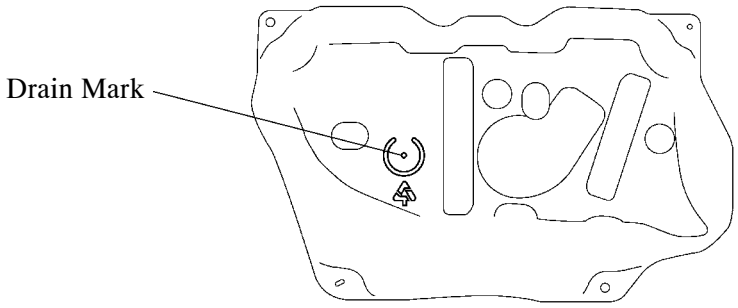
A multiplex layered plastic fuel tank is used. This fuel tank consists of 6 layers of 4 types of materials.



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Service Tip

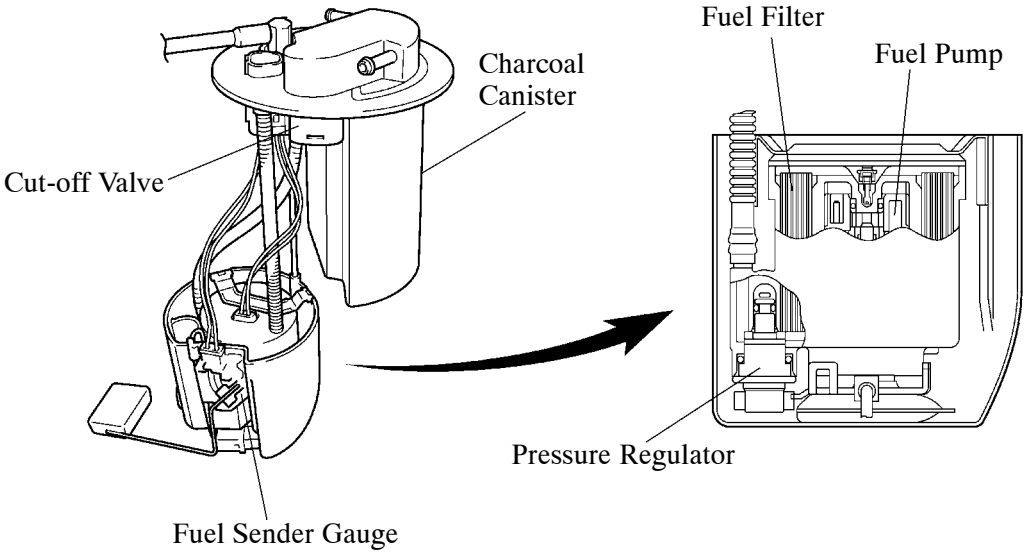
A drain mark has been provided at the lowest position of the fuel tank. When dismantling (scrapping) the vehicle, drain fuel by drilling a hole at the drain mark.



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3. Module Fuel Pump

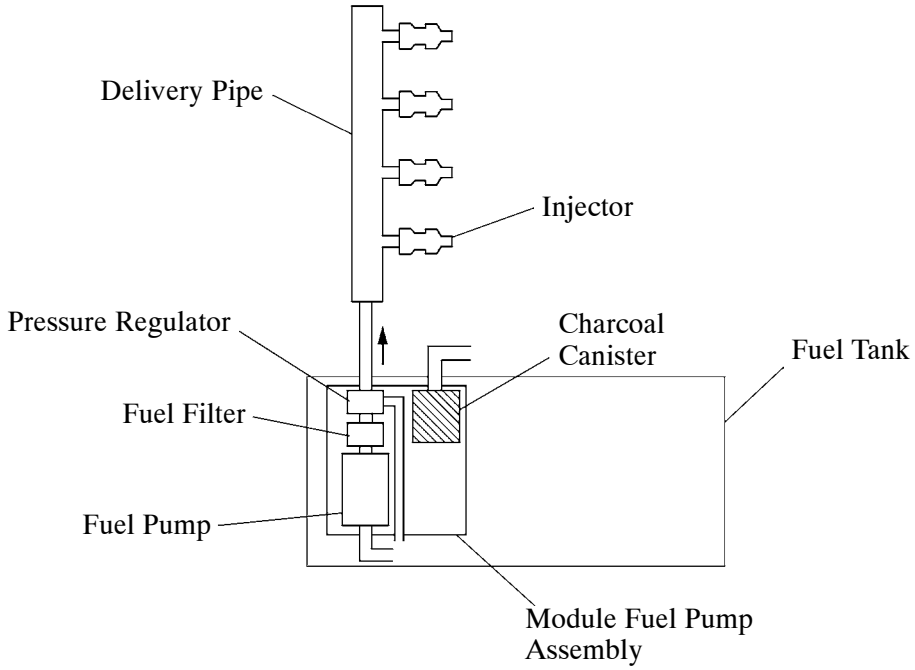
The module fuel pump has a built-in charcoal canister to ensure an effective use of space in the engine compartment.



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4. Fuel Returnless System

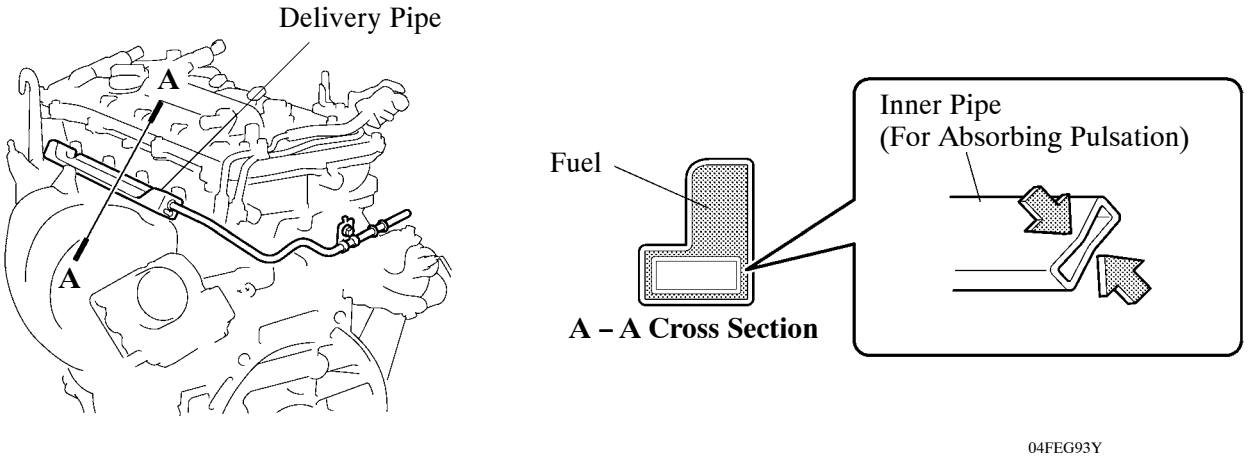
This system is used to reduce the evaporative emission. As shown below, by integrating the fuel filter, pressure regulator, charcoal canister, and fuel sender gauge with fuel pump assembly, it is possible to discontinue the return of fuel from the engine area and prevent temperature rise inside the fuel tank.



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5. Delivery Pipe

- An inner pipe is provided inside the delivery pipe to absorb fuel pulsations.
- This eliminates the use of the pulsation damper provided on conventional models, making the fuel system more compact and lightweight. When fuel pulsates, the shape of the inner pipe changes with the pulsation, thus changing the internal capacity of the delivery pipe. This change in capacity absorbs the fuel pulsations.



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