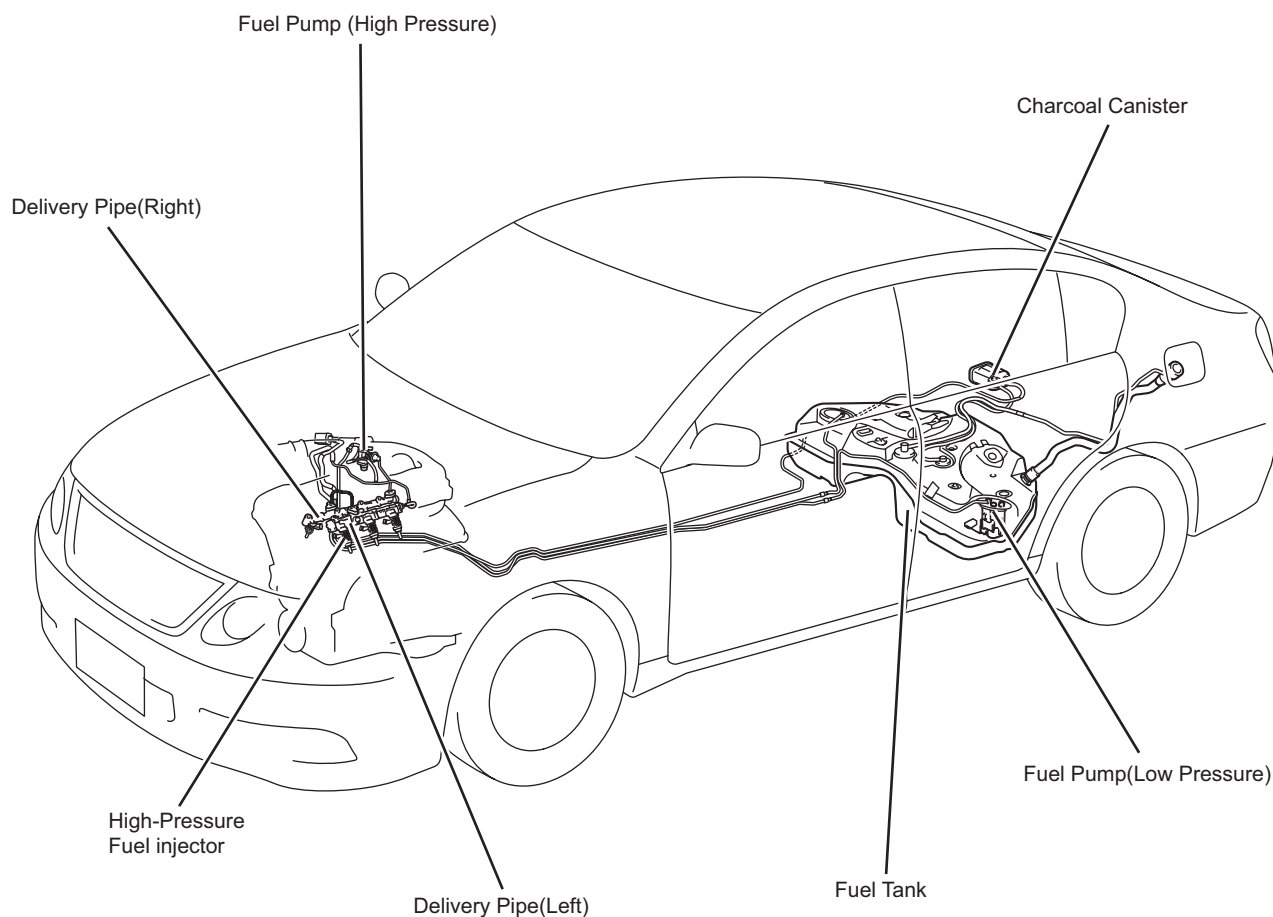


3GR-FSE FUEL

General

EG

- This engine uses the D-4 (Direct injection 4-stroke gasoline engine) system. A (low pressure) fuel pump located inside the fuel tank pumps fuel to the high-pressure fuel pump located in the cylinder head cover. Then, the fuel is boosted to a pressure between 4 and 13 MPa in accordance with the driving conditions, and sent to the high-pressure fuel injectors.
- A fuel returnless system, which controls the fuel pressure for the low pressure side by way of a pressure regulator installed in the fuel tank, is used. However, the leak fuel from the high-pressure fuel pump and the fuel from the relief valve return to the fuel tank.
- To prevent fuel from leaking during a collision (in which air bags are deployed), a system that turns OFF the circuit opening relay is used to ensure safety.



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