

CHECK VALVE [SKYACTIV-D 2.2]

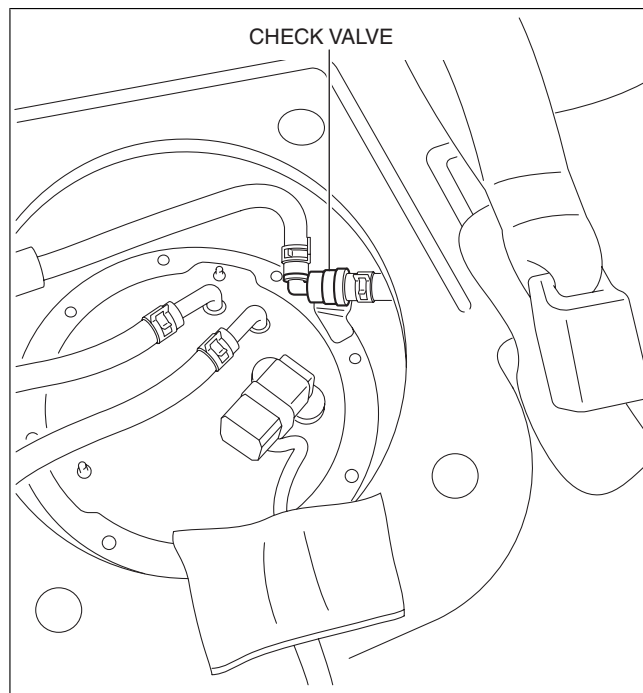
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Purpose, Function

- The check valve maintain the pressure in the fuel tank at constant pressure.

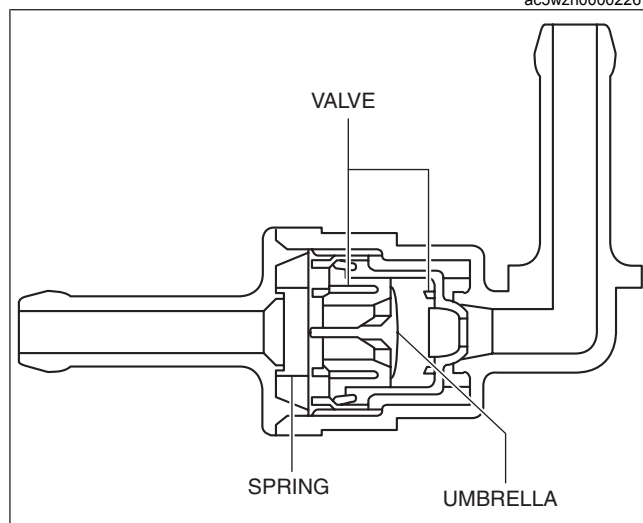
Construction

- The check valve is installed to the fuel tank.



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- Mainly consists of valve, umbrella, and spring.



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Operation

- The valve moves in response to the difference in air pressure between the fuel tank side and the atmospheric side, thereby changing the path of airflow.
- When the pressure in the fuel tank becomes negative due to fuel consumption or other factors, the path opens, drawing atmospheric air into the fuel tank.