

EGR VALVE [SKYACTIV-D 2.2]

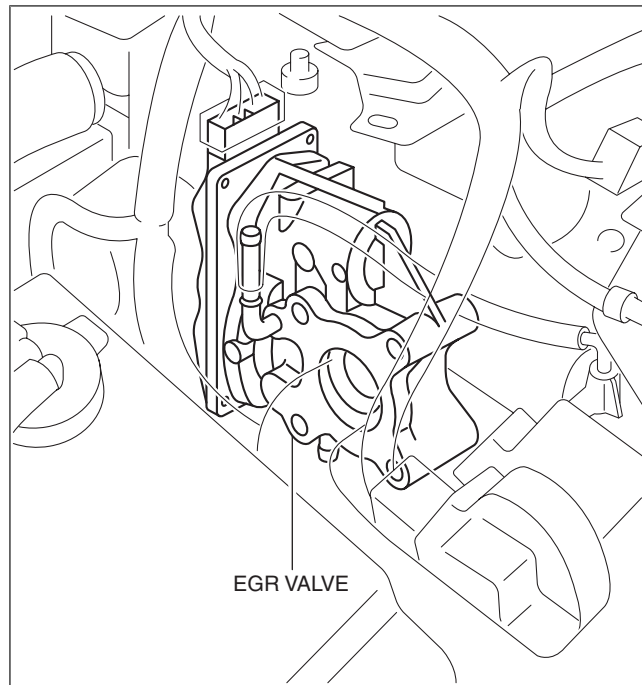
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Purpose, Function

- The amount of exhaust gas passed through the EGR cooler, which is re-circulated to the intake manifold, is adjusted.

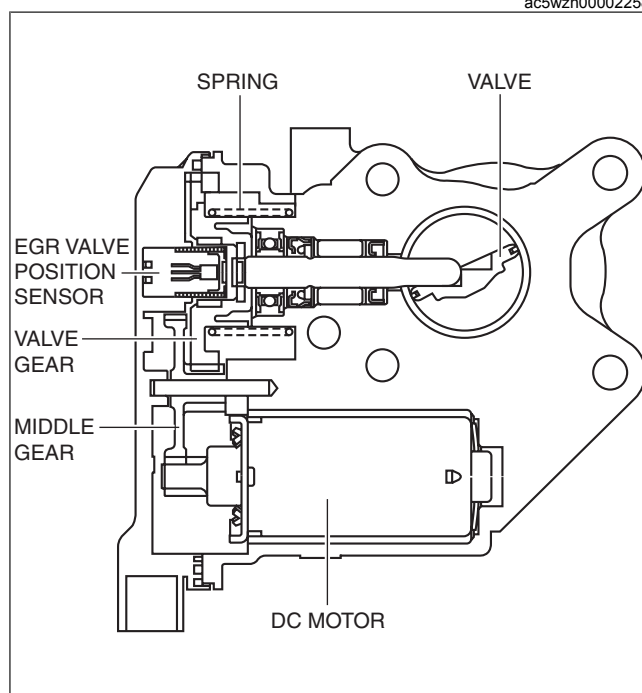
Construction

- The EGR valve is installed to the intake manifold.
- The EGR valve consists of the DC motor, valve, spring, valve gear, and mid gear.



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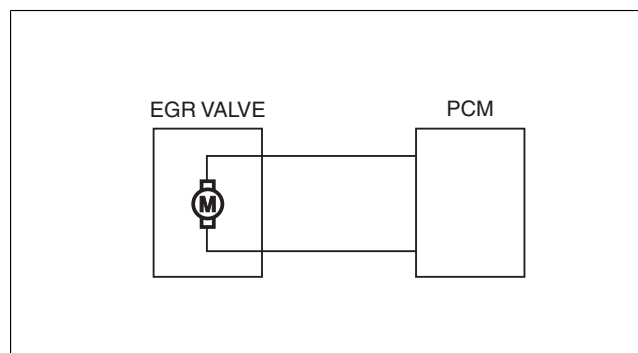
- The EGR valve has an integrated EGR valve position sensor. (See EGR VALVE POSITION SENSOR [SKYACTIV-D 2.2].)



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Operation

- The PCM drives the DC motor of the valve by the pulse-width modulation signal.
- Control of exhaust gas temperature is enabled by cooperative control of the EGR cooler bypass valve.



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