

INTAKE SHUTTER VALVE POSITION SENSOR [SKYACTIV-D 2.2]

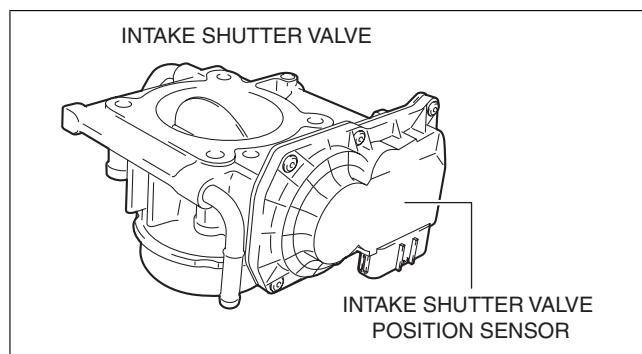
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Purpose/Function

- Detects the intake shutter valve open/closed condition as basic information for mainly EGR control and intake shutter valve control.
- Detects the intake shutter valve opening/closing condition and sends it to the PCM as the intake shutter valve opening angle signal.

Construction

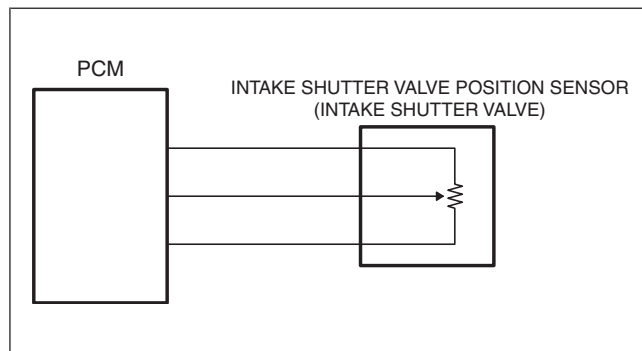
- Built into the intake shutter valve.
- A Hall element has been adopted as the detecting element for detecting the intake shutter valve opening/closing condition.



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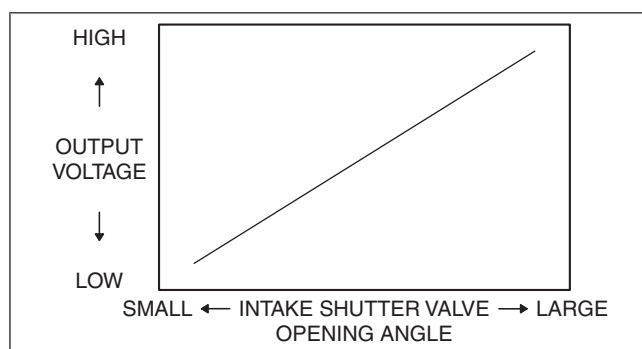
Operation

- Sends the signal, which fluctuates according to the intake shutter valve opening/closing, to the PCM.



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Intake shutter valve position sensor characteristic



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Fail-safe

DTC No.	Fail-safe function
P2621:00	<ul style="list-style-type: none"> • PCM restricts engine torque. • Inhibits the EGR control. • Inhibits the diesel particulate filter regeneration control. • Inhibits engine-stop by operating the i-stop function. • PCM restricts engine-transaxle integration control.
P2622:00	<ul style="list-style-type: none"> • PCM restricts engine torque. • Inhibits the EGR control. • Inhibits the diesel particulate filter regeneration control. • Inhibits engine-stop by operating the i-stop function. • PCM restricts engine-transaxle integration control.