

MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

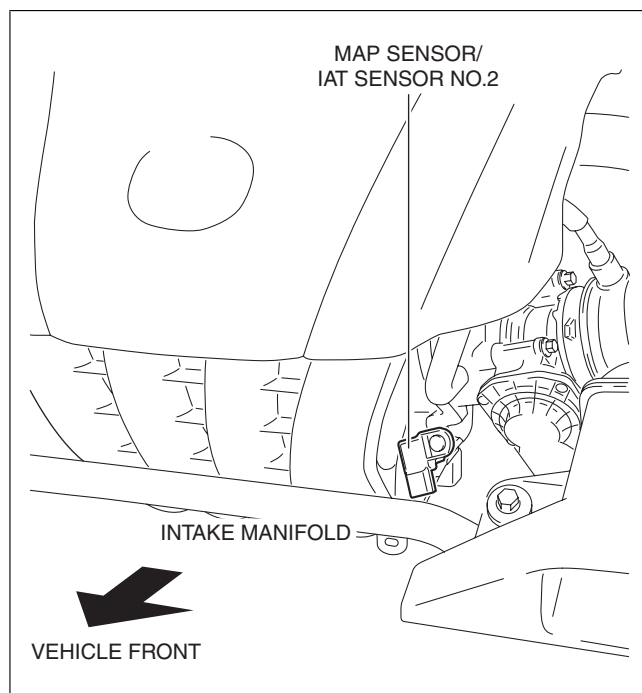
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Purpose/Function

- Detects the intake air pressure introduced into the cylinder as basic information for mainly determining the fuel injection amount.
- Detects the intake air pressure introduced into the cylinder and sends it to the PCM as an intake air pressure signal.

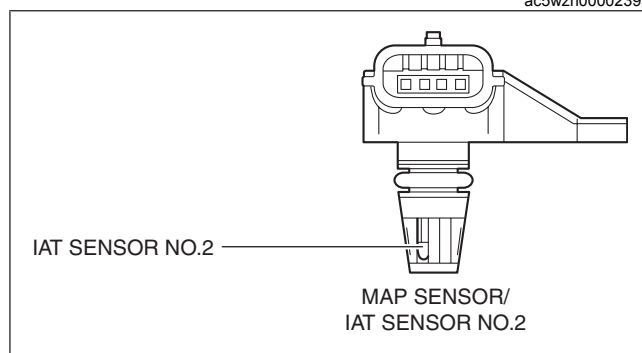
Construction

- Installed on the intake manifold.
- A sealant diaphragm has been adopted as the detecting element for detecting the intake air pressure.



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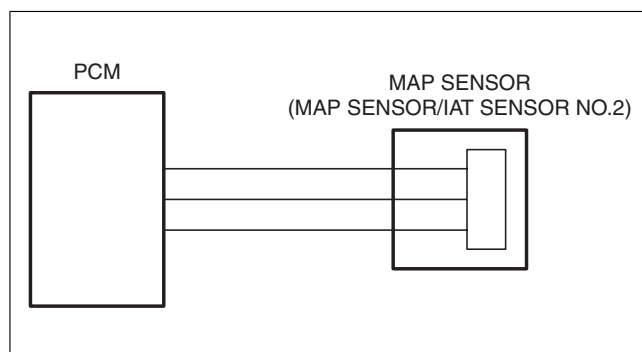
- IAT sensor No.2 is integrated.



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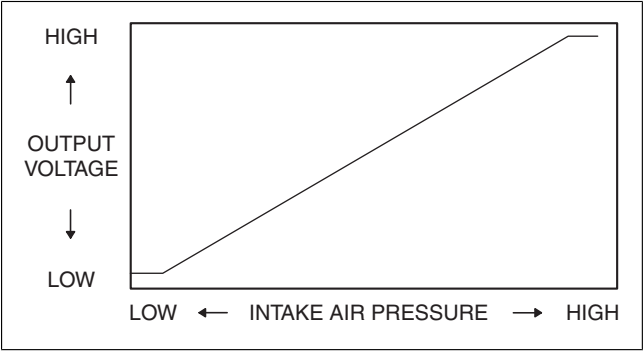
Operation

- Sends the signal, which fluctuates according to the intake air pressure, to the PCM.



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MAP sensor characteristic



ac5wzn00002402

Fail-safe

DTC No.	Fail-safe function
P0107:00	<ul style="list-style-type: none">• Estimates MAP using MAF sensor and engine speed.• Restricts the upper limit of the engine speed.• Inhibits the evaporative purge control.
P0108:00	<ul style="list-style-type: none">• Estimates MAP using MAF sensor and engine speed.• Restricts the upper limit of the engine speed.• Inhibits the evaporative purge control.