

## MASS AIR FLOW (MAF) SENSOR [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

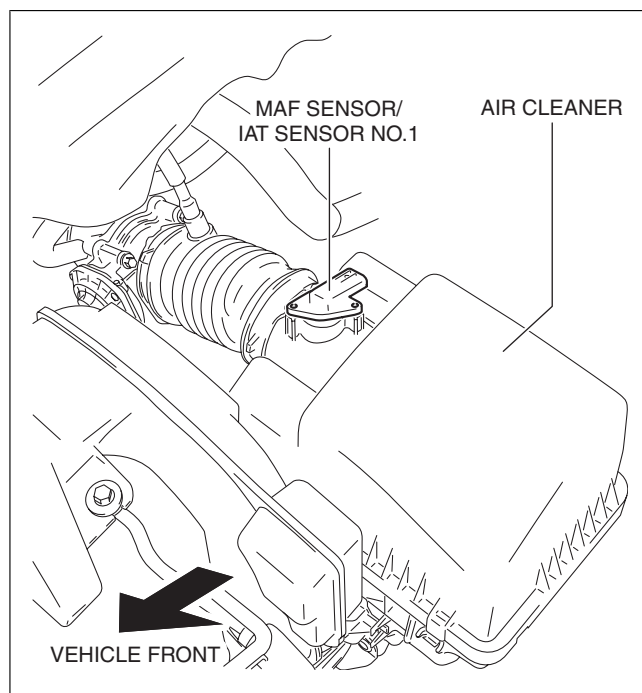
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### Purpose/Function

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

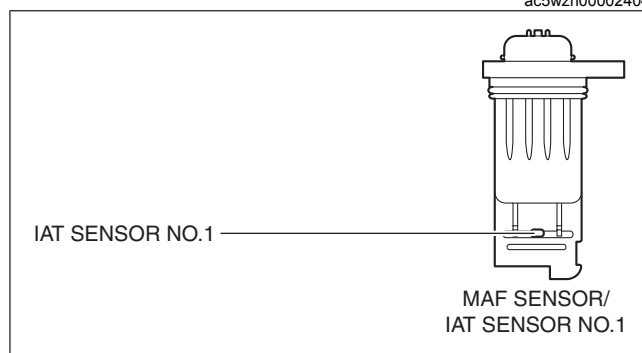
### Construction

- Installed on the air cleaner.
- A hot film has been adopted as the detecting element for detecting the intake airflow amount.



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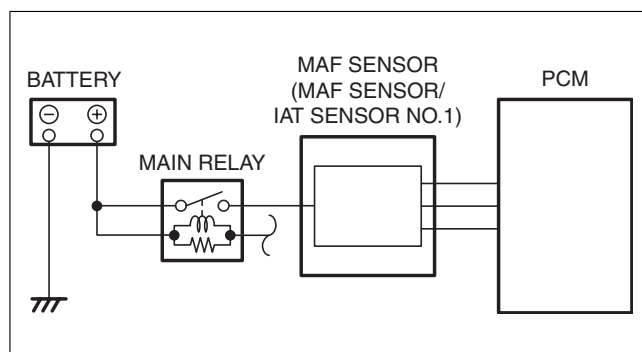
- IAT sensor No.1 is integrated.



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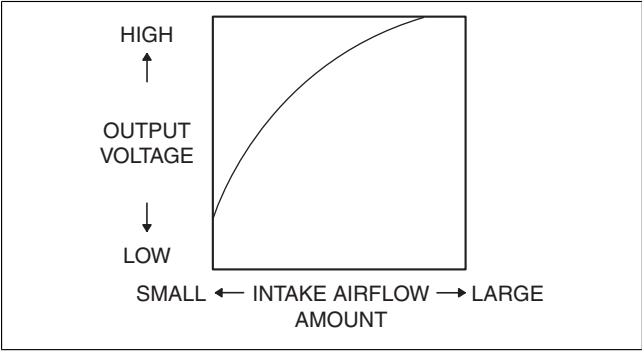
### Operation

- Sends the signal, which fluctuates according to the intake airflow amount, to the PCM.



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MAF sensor characteristic



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Fail-safe

DTC No.	Fail-safe function
P0102:00	<ul style="list-style-type: none"><li>• Restricts the upper limit of the engine speed.</li><li>• Inhibits the evaporative purge control.</li></ul>
P0103:00	<ul style="list-style-type: none"><li>• Restricts the upper limit of the engine speed.</li><li>• Inhibits the evaporative purge control.</li></ul>