

CAMSHAFT POSITION (CMP) SENSOR [SKYACTIV-D 2.2]

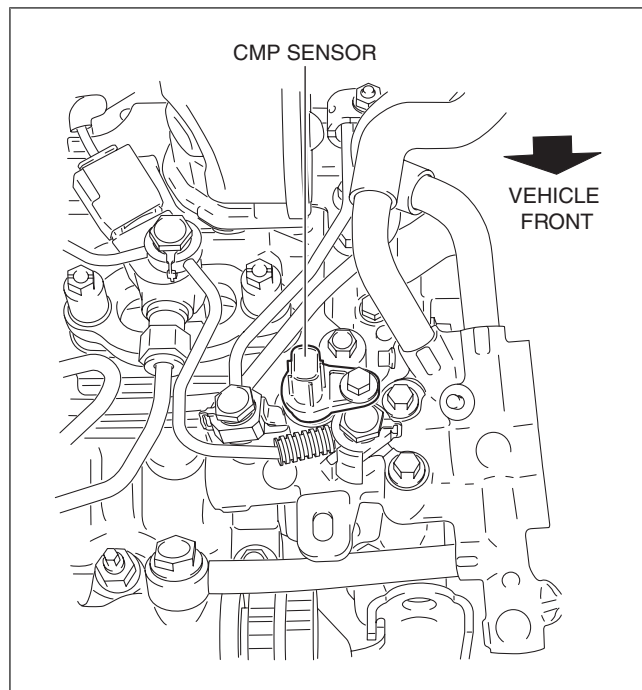
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Purpose/Function

- Detects the camshaft speed as basic information for mainly determining the fuel injection timing.
- Detects the camshaft speed and sends it to the PCM as a CMP signal.

Construction

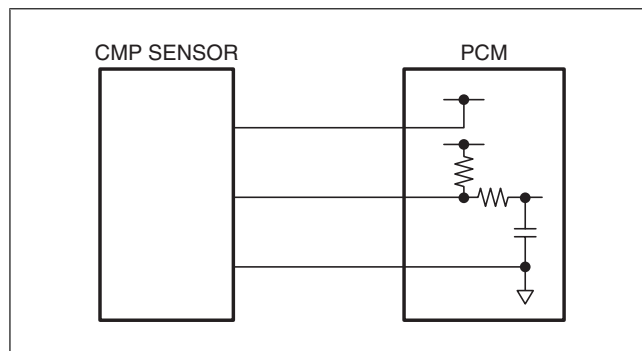
- Installed on the cylinder head.
- An MR (Magnetic Resistance) element has been adopted as the detecting element for detecting the camshaft speed.



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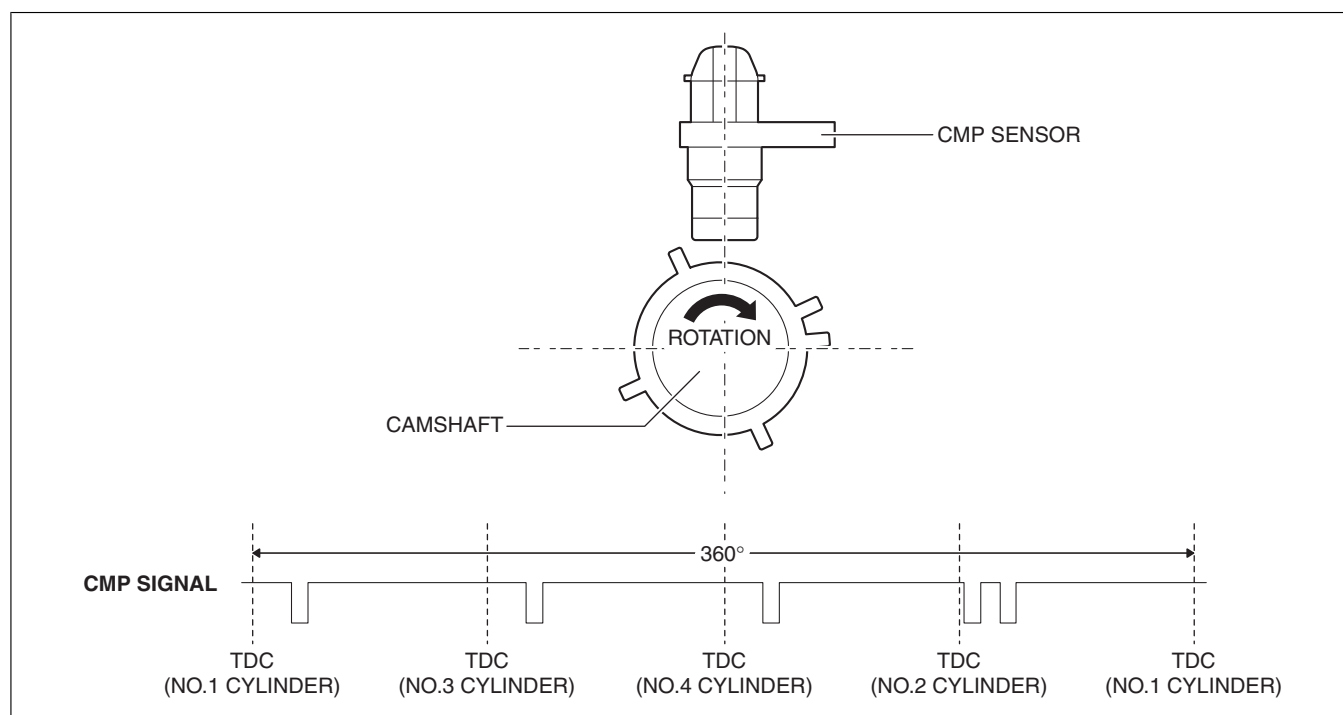
Operation

- Sends the signal, which fluctuates according to the camshaft speed, to the PCM.



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CMP sensor characteristic



ac5wzn00002615

Fail-safe

DTC No.	Fail-safe function
P0341:00	<ul style="list-style-type: none">• Inhibits engine-stop by operating the i-stop function.• PCM restricts engine-transaxle integration control.
P0342:00	<ul style="list-style-type: none">• Inhibits engine-stop by operating the i-stop function.• PCM restricts engine-transaxle integration control.