

KNOCK SENSOR (KS) [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

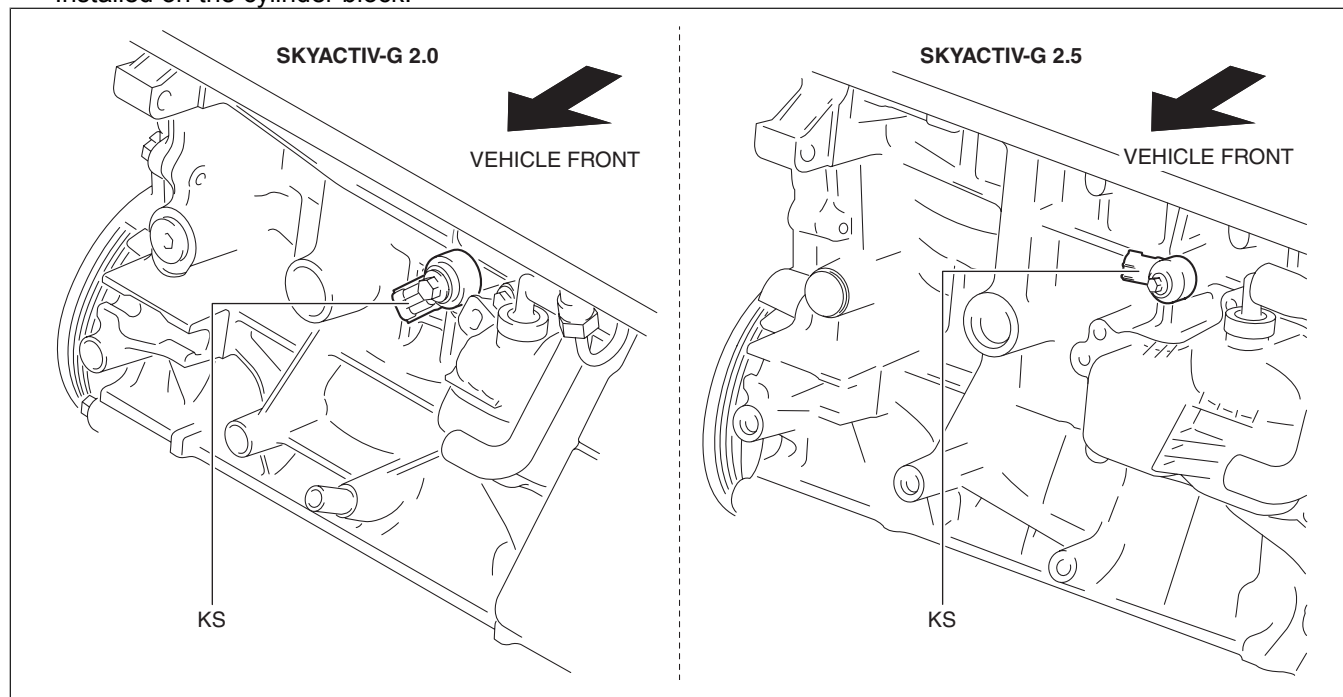
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Purpose/Function

- Detects abnormal combustion in the cylinder as basic information for mainly determining the ignition timing.
- Detects abnormal combustion in the combustion chamber and sends it to the PCM as a knocking signal.

Construction

- Installed on the cylinder block.

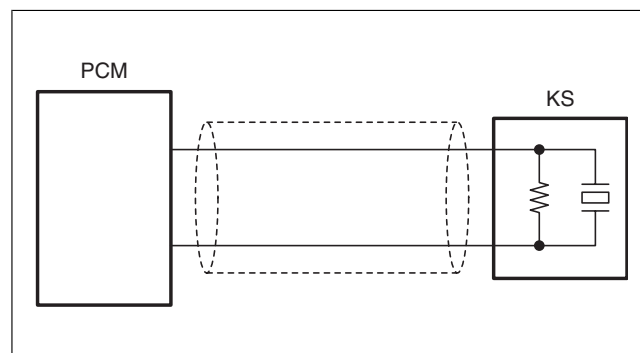


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- A piezoelectric element has been adopted as the detecting element for detecting abnormal combustion.

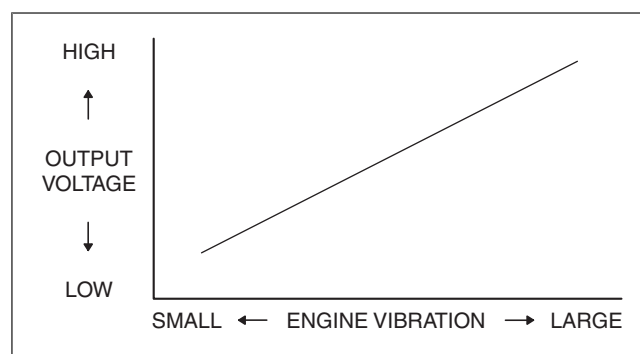
Operation

- Sends the signal, which fluctuates according to abnormal combustion, to the PCM.



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KS characteristic



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Fail-safe

DTC No.	Fail-safe function
P0327:00	• Sets the knocking spark retard correction value of the ignition control to the fixed value.
P0328:00	• Sets the knocking spark retard correction value of the ignition control to the fixed value.