

IGNITION COIL [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

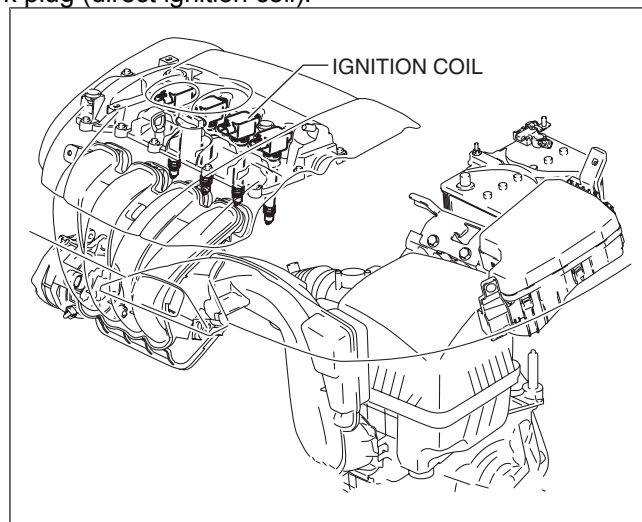
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Purpose, Function

- The ignition coil generates high voltage by electromagnetic induction to discharge the spark plug.

Construction

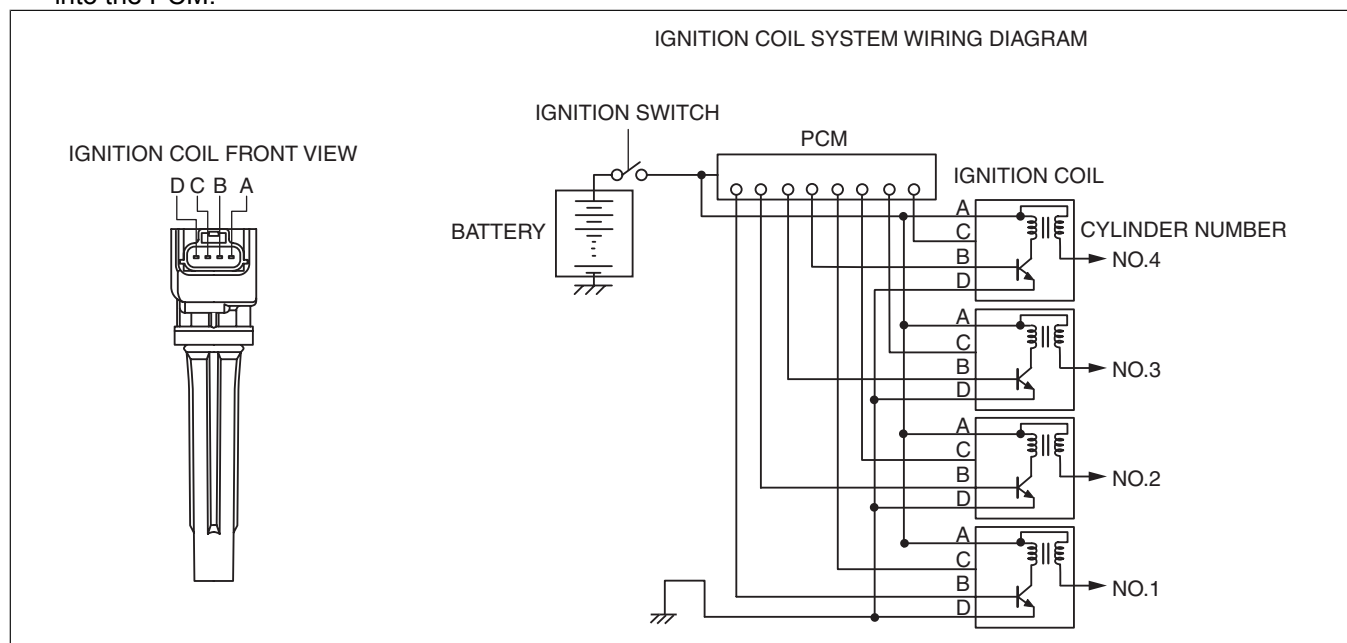
- The ignition coil is installed to the upper part of the spark plug (direct ignition coil).
- With the adoption of the direct ignition coil, the ignition system parts have been simplified. As a result, voltage decrease is suppressed and ignition performance for the spark plug is stabilized.
- The ignition coil is built into the igniter and ion sensor. For the ion sensor, refer to CONTROL SYSTEM. (See ION SENSOR [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)



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Operation

- Optimum ignition timing is performed according to the driving conditions by integrating the ignition control function into the PCM.



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Fail-safe

DTC	Fail-safe
P0300:00	• Limits the intake air amount.
P0301:00 P0302:00 P0303:00 P0304:00	• Stops the fuel injection to the misfiring cylinder. • Limits the intake air amount.