ENGINE OIL PRESSURE SENSOR [SKYACTIV-D 2.2]
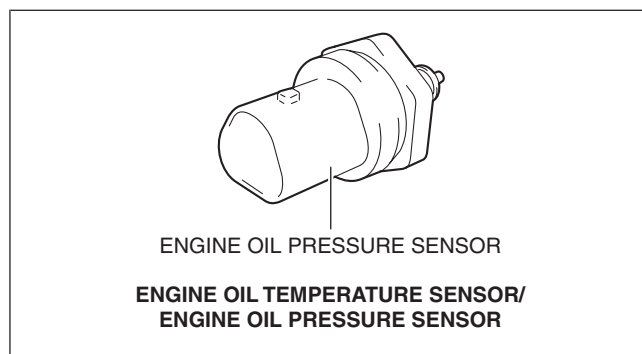
Purpose/Function
- Detects the engine oil pressure as basic information for mainly intake stroke EGR using double exhaust valve actuation system (IDEVA) control and idle speed control.
- Detects the engine oil pressure and sends it to the PCM as an engine oil pressure signal.
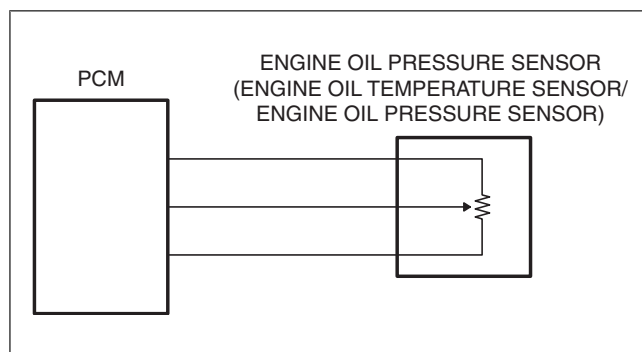
Construction
- Built into the engine oil temperature sensor/engine oil pressure sensor.
- A semiconductor gauge has been adopted to the engine oil pressure sensor as the detecting element for detecting the engine oil pressure.
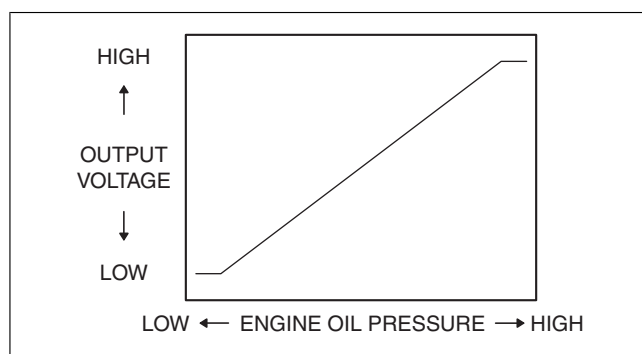
ENGINE OIL PRESSURE SENSOR

ENGINE OIL TEMPERATURE SENSOR/ ENGINE OIL PRESSURE SENSOR

ac5wzn00002481

Operation
- Sends the signal, which fluctuates according to the engine oil pressure, to the PCM.

PCM

ENGINE OIL PRESSURE SENSOR (ENGINE OIL TEMPERATURE SENSOR/ ENGINE OIL PRESSURE SENSOR)

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Engine oil pressure sensor characteristic

HIGH

OUTPUT VOLTAGE

LOW

LOW ← ENGINE OIL PRESSURE → HIGH

ac5wzn00001656

Fail-safe

DTC No.	Fail-safe function
P0522:00	• PCM restricts engine torque. • The fast idle up correction for the idle speed control is inhibited. • Inhibits engine-stop by operating the i-stop function.
P0523:00	• PCM restricts engine torque. • The fast idle up correction for the idle speed control is inhibited. • Inhibits engine-stop by operating the i-stop function.