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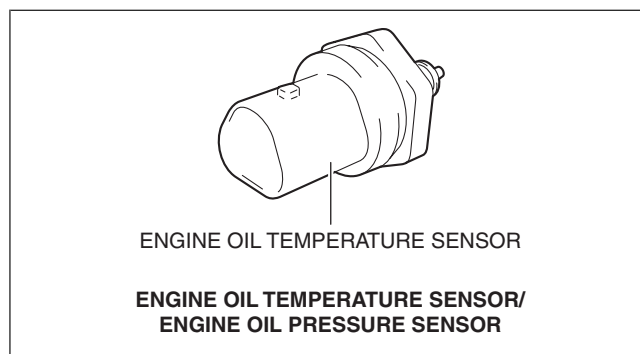
Purpose/Function
- Detects the engine oil temperature as basic information for mainly intake stroke EGR using double exhaust valve actuation system (IDEVA) control and idle speed control.
- Detects the engine oil temperature and sends it to the PCM as an engine oil temperature signal.
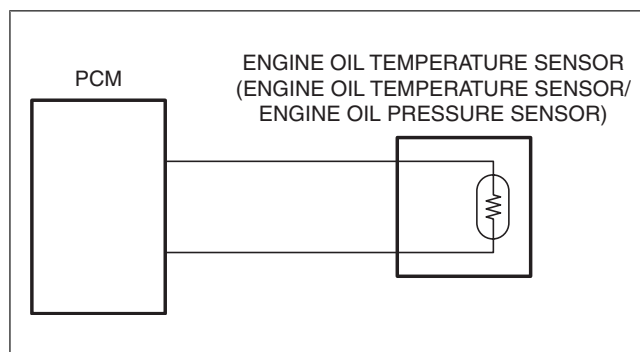
Construction
- Built into the engine oil temperature sensor/engine oil pressure sensor.
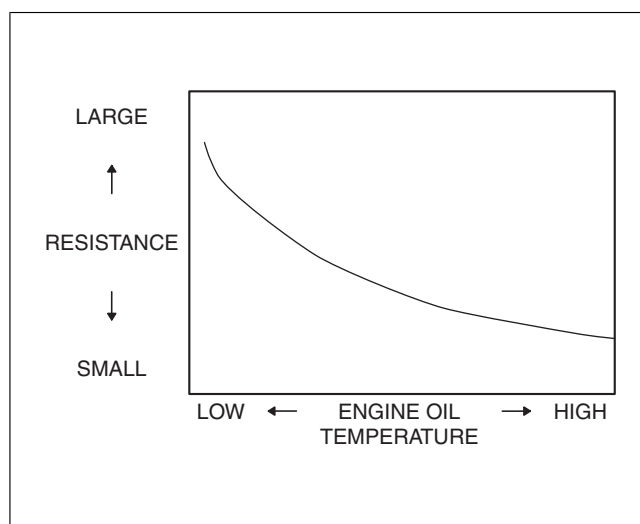- A thermistor has been adopted as the detecting element for detecting the engine oil temperature.

ENGINE OIL TEMPERATURE SENSOR

**ENGINE OIL TEMPERATURE SENSOR/
ENGINE OIL PRESSURE SENSOR**

ac5wzn00002479

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

PCM

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

ac5wzn00002480

Engine oil temperature sensor characteristic

ac5wzn00001653

Fail-safe

DTC No.	Fail-safe function
P0197:00	• The fast idle up correction for the idle speed control is inhibited. • Inhibits engine-stop by operating the i-stop function.
P0198:00	• The fast idle up correction for the idle speed control is inhibited. • Inhibits engine-stop by operating the i-stop function.