

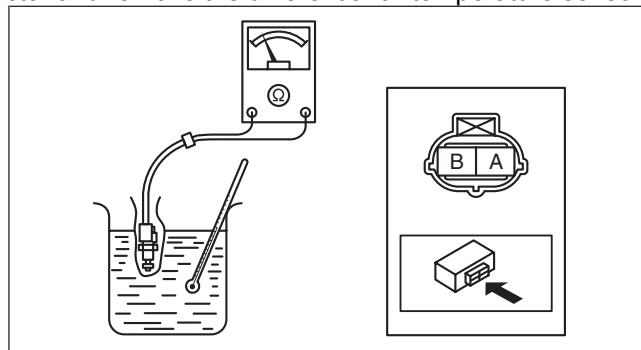
DIFFERENTIAL OIL TEMPERATURE SENSOR INSPECTION

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Warning

- Hot differential oil may cause severe burns. Do not perform maintenance while differential oil is hot.

1. Disconnect the negative battery cable.
2. Disconnect the differential oil temperature sensor connector and remove the differential oil temperature sensor.
3. Wrap the differential oil temperature sensor with plastic wrap and immerse it into a beaker filled with water. Gradually raise the water temperature, and measure resistance between differential oil temperature sensor terminals A and B.
 - If not as specified, inspect the harness for continuity. If there is normal continuity between the terminals, replace the differential oil temperature sensor.



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Differential oil temperature sensor specification

Water temperature (°C {°F})	Resistance (kilohm)
0 {32}	91—100
10 {50}	56—61
20 {68}	35—39
30 {86}	23—25
40 {104}	15—16
50 {122}	10—11
60 {140}	7.1—7.9
70 {158}	5.0—5.6
80 {176}	3.6—4.0

4. Install the differential oil temperature sensor and connect the connector.
5. Connect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)