

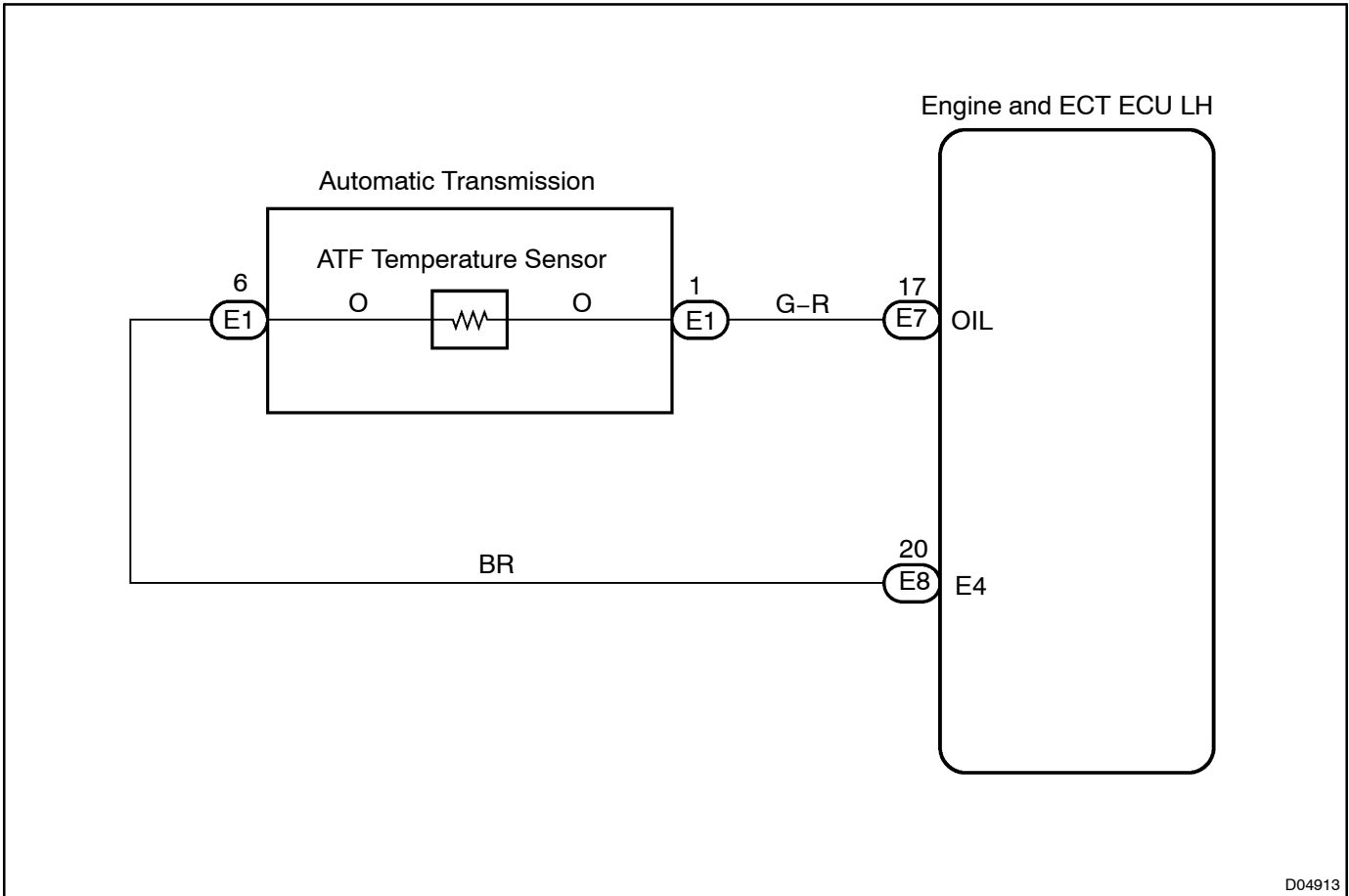
<b>DTC</b>	<b>P0710/38</b>	<b>Transmission Fluid Temperature Sensor Malfunction (ATF Temperature Sensor)</b>
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**CIRCUIT DESCRIPTION**

The ATF temperature sensor converts fluid temperature into a resistance value which is input into the Engine and ECT ECU.

DTC No.	DTC Detecting Condition	Trouble Area
P0710/38	Either (a) or (b) is detected for 0.5 sec. or more. (a) Temp. sensor resistance is less than 79 Ω (b) After the engine has been operating for 15 minutes or more, the resistance at the temp. sensor is more than 156 kΩ	<ul style="list-style-type: none"> <li>• Open or short in ATF temp. sensor circuit</li> <li>• ATF temp. sensor</li> <li>• Engine and ECT ECU</li> </ul>

**WIRING DIAGRAM**



D04913

## INSPECTION PROCEDURE

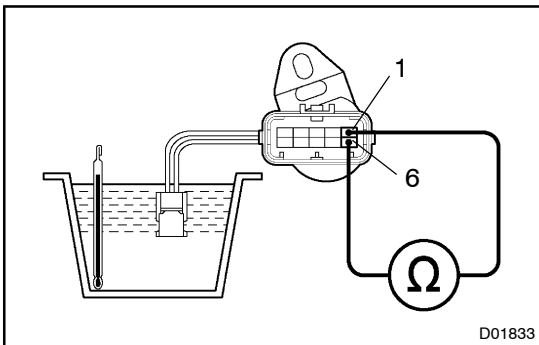
- 1 Check harness and connector between ATF temperature sensor and Engine and ECT ECU (See page IN-30).

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Repair or replace the harness or connector.

OK

- 2 Check ATF Temperature Sensor.

**PREPARATION:**

- Remove the oil pan.
- Remove the solenoid wiring.
- Remove the ATF temperature sensor.

**CHECK:**

Measure resistance between terminals 1 and 6 of solenoid wiring connector at 10°C (50°F) and 110°C (230°F).

**OK:****Resistance:**

10°C (50°F): 6.5 kΩ

110°C (230°F): 200 - 300 Ω

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Replace solenoid wiring.

OK

Check and replace the Engine and ECT ECU (See page IN-30).