

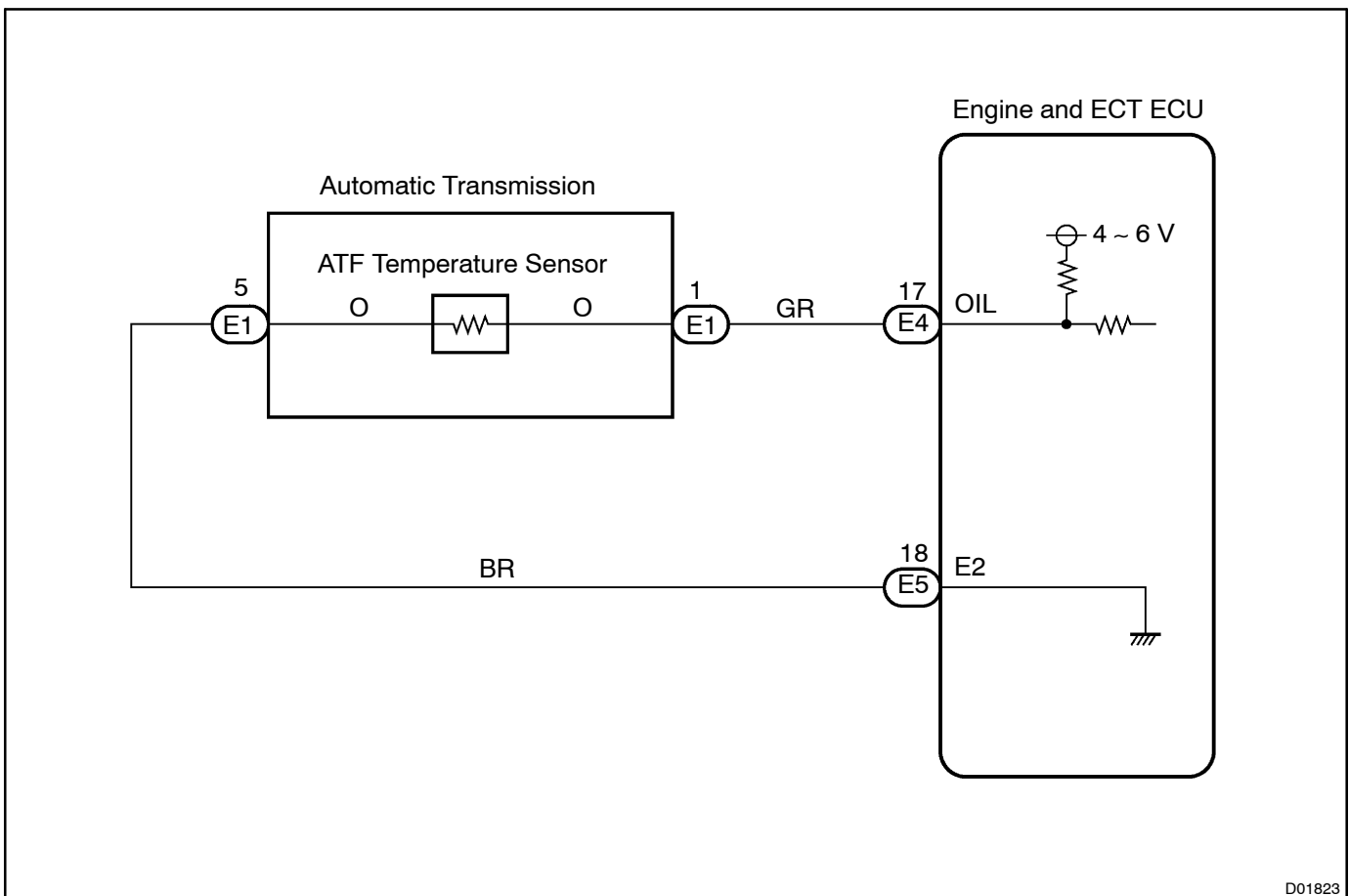
<b>DTC</b>	<b>P0710/38</b>	<b>Transmission Fluid Temperature Sensor Malfunction (ATF Temperature Sensor)</b>
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## CIRCUIT DESCRIPTION

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	Either (a) or (b) is detected for 0.5 sec. or more. (a) Temp. sensor resistance is less than 79 $\Omega$ (b) After the engine has been operating for 15 minutes or more, the resistance at the temp. sensor is more than 156 k $\Omega$	<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



D01823

## INSPECTION PROCEDURE

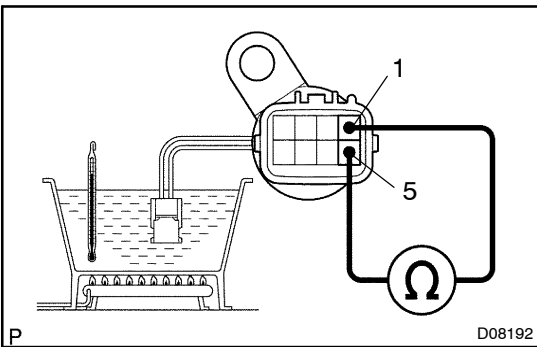
- 1 Check harness and connector between ATF temperature sensor and Engine and ECT ECU (See page IN-32).

NG

Repair or replace the harness or connector.

OK

- 2 Check ATF Temperature Sensor.

**PREPARATION:**

- (a) Remove the oil pan.  
 (b) Remove the solenoid wiring.  
 Remove the ATF temperature sensor.

**CHECK:**

Measure resistance between terminals 1 and 5 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-32).