

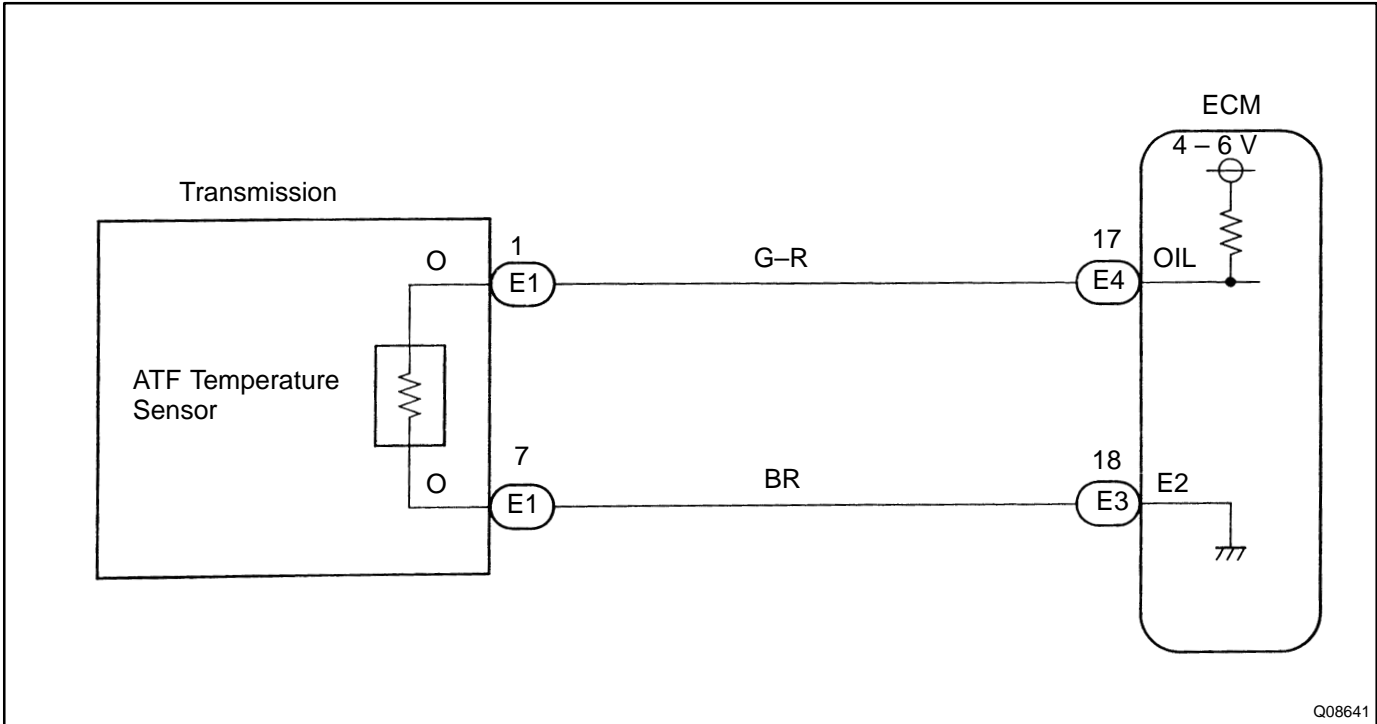
<b>DTC</b>	<b>P0710</b>	<b>Transmission Fluid Temperature Sensor Malfunction (ATF Temperature Sensor)</b>
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# CIRCUIT DESCRIPTION

The ATF temperature sensor converts fluid temperature into a resistance value which is input into the ECM.

DTC No.	DTC Detecting Condition	Trouble Area
P0710	<p>Either 1. or 2. is detected for 0.5 sec. or more (2-trip detection logic).</p> <p>1. Temp. sensor resistance is less than 79 <math>\Omega</math></p> <p>2. After the engine has been operating for 15 minutes or more, the resistance at the temp. sensor is more than 156 k<math>\Omega</math></p>	<ul style="list-style-type: none"> <li>• Open or short in ATF temp. sensor</li> <li>• ATF temp. sensor</li> <li>• ECM</li> </ul>

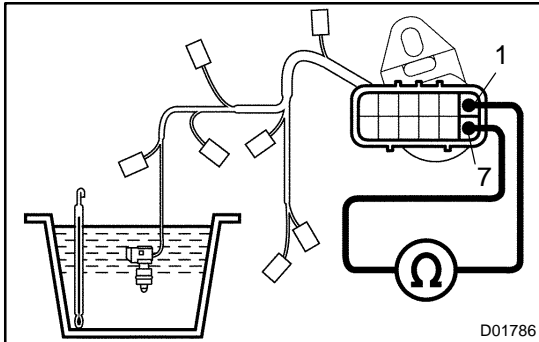
# WIRING DIAGRAM



Q08641

## INSPECTION PROCEDURE

## 1 Check ATF temperature sensor.

**PREPARATION:**

- (a) Remove the oil pan.
- (b) Disconnect the solenoid wire connector.

**CHECK:**

Measure resistance between terminals 1 and 7 of solenoid connector at 25 °C (77 °F) and 110 °C (230 °F).

**OK:**

**Resistance (Approx.):**

25 °C (77 °F): 3.5 kΩ

110 °C (230 °F): 231 – 263 Ω

**NG**

Replace the ATF temperature sensor (transmission wire).

**OK**

2 Check harness and connector between ATF temperature sensor and ECM  
(See page [IN-32](#)).

**NG**

Repair or replace the harness or connector.

**OK**

Check and replace the ECM  
(See page [IN-32](#)).