

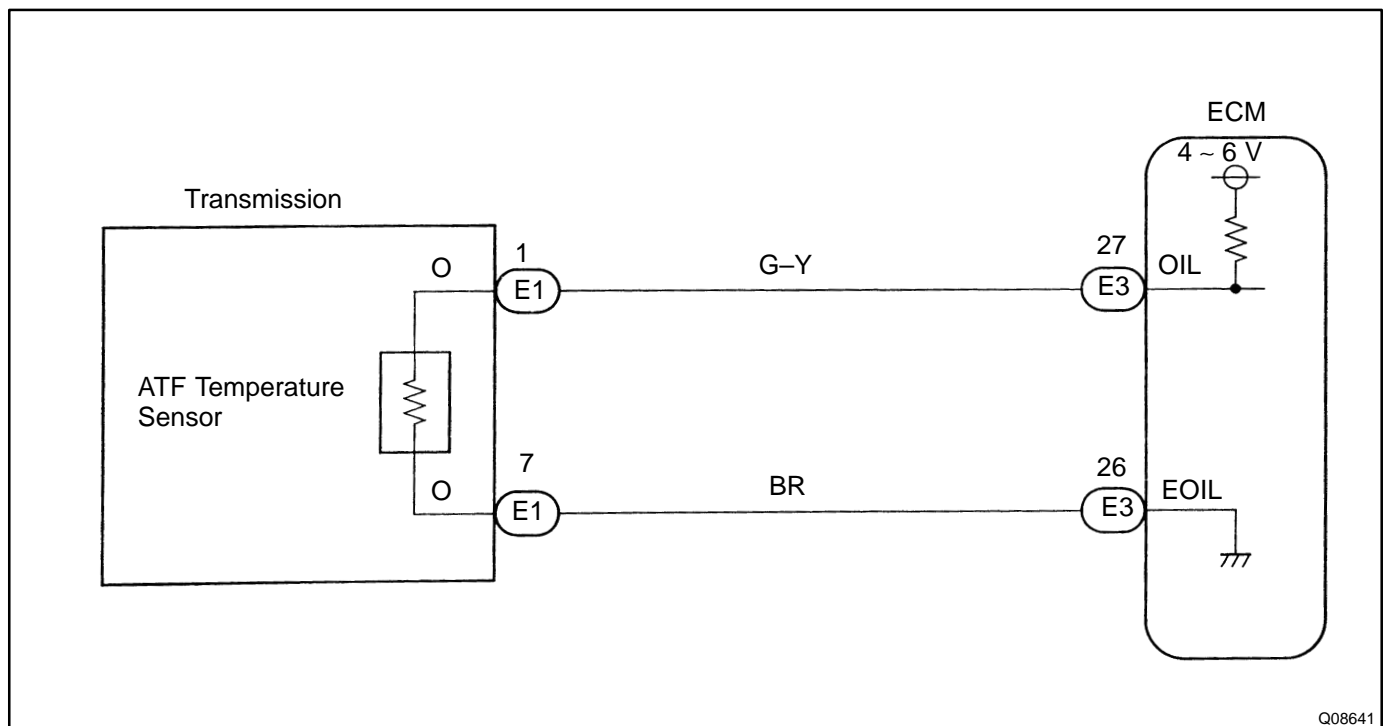
DTC	P0710	Transmission Fluid Temperature Sensor Malfunction (ATF Temperature Sensor)
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CIRCUIT DESCRIPTION

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

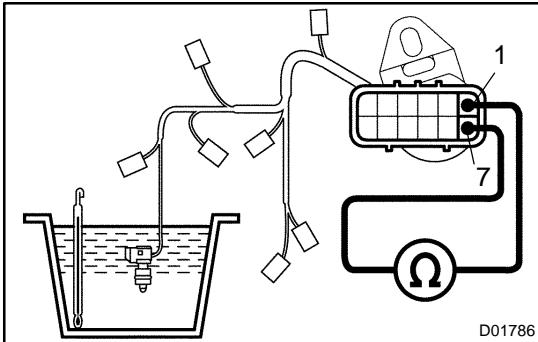
DTC No.	DTC Detecting Condition	Trouble Area
P0710	<p>Either 1. or 2. is detected for 0.5 sec. or more (2-trip detection logic).</p> <p>1. Temp. sensor resistance is less than 79 Ω</p> <p>2. After the engine has been operating for 15 minutes or more, the resistance at the temp. sensor is more than 156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

WIRING DIAGRAM



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

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Replace the ATF temperature sensor (transmission wire).

OK

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

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Repair or replace the harness or connector.

OK

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