

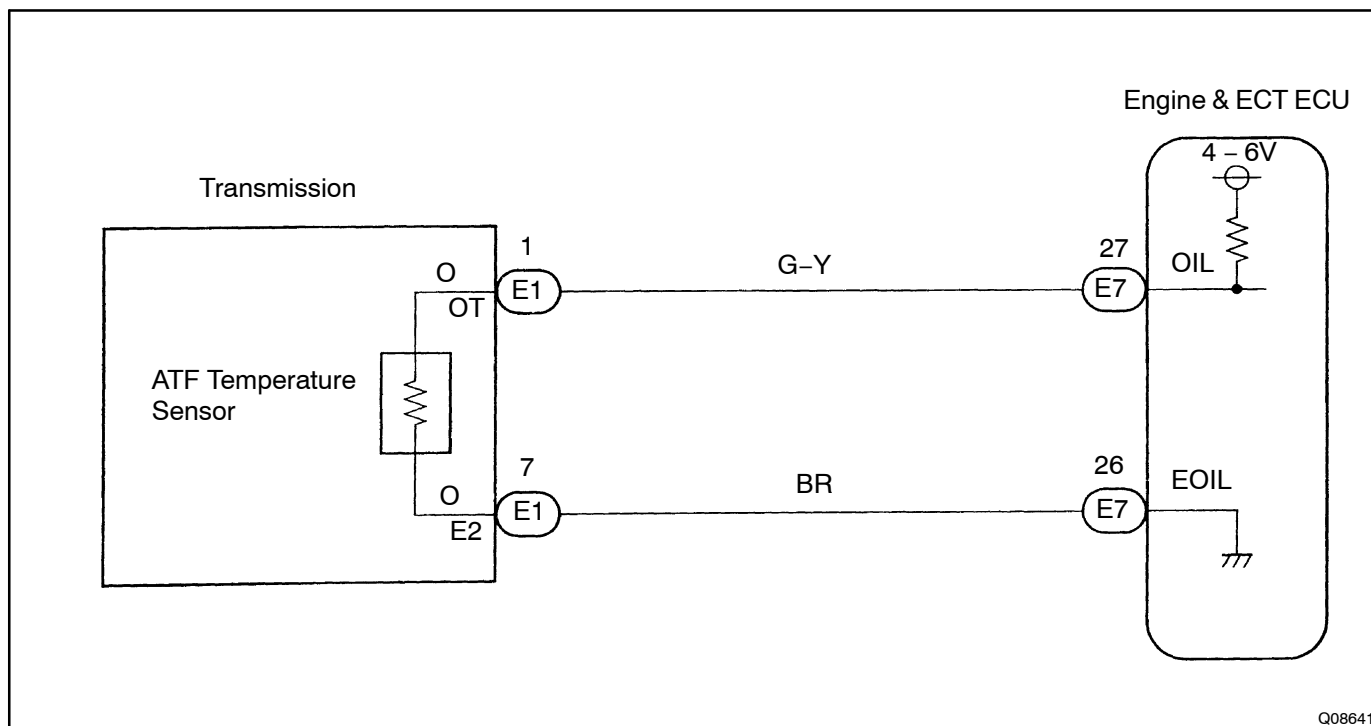
DTC	P0710/38	Transmission Fluid Temperature Sensor Malfunction (ATF Temperature Sensor)
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CIRCUIT DESCRIPTION

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

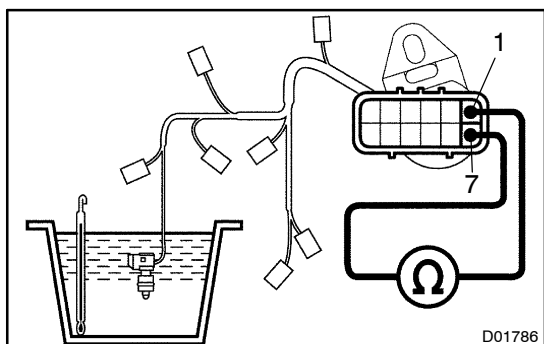
DTC No.	DTC Detecting Condition	Trouble Area
P0710/38	Either 1. or 2. is detected for 0.5 sec. or more (2-trip detection logic). 1. Temperature sensor resistance is less than 79 Ω 2. After the engine has been operating for 15 minutes or more, the resistance at the temp. sensor is more than 156 kΩ	• Open or short in ATF temperature sensor • ATF temperature sensor • Engine & ECT ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Check ATF temperature sensor.

**PREPARATION:**

- (a) Disconnect the solenoid wire connector.
- (b) Remove the oil pan.
- (c) Disconnect all solenoid valve connectors.
- (d) Remove transmission wire harness.

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 Engine & ECT ECU (See page IN-35).

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Repair or replace the harness or connector.

OK

Check and replace the Engine & ECT ECU (See page IN-35).