

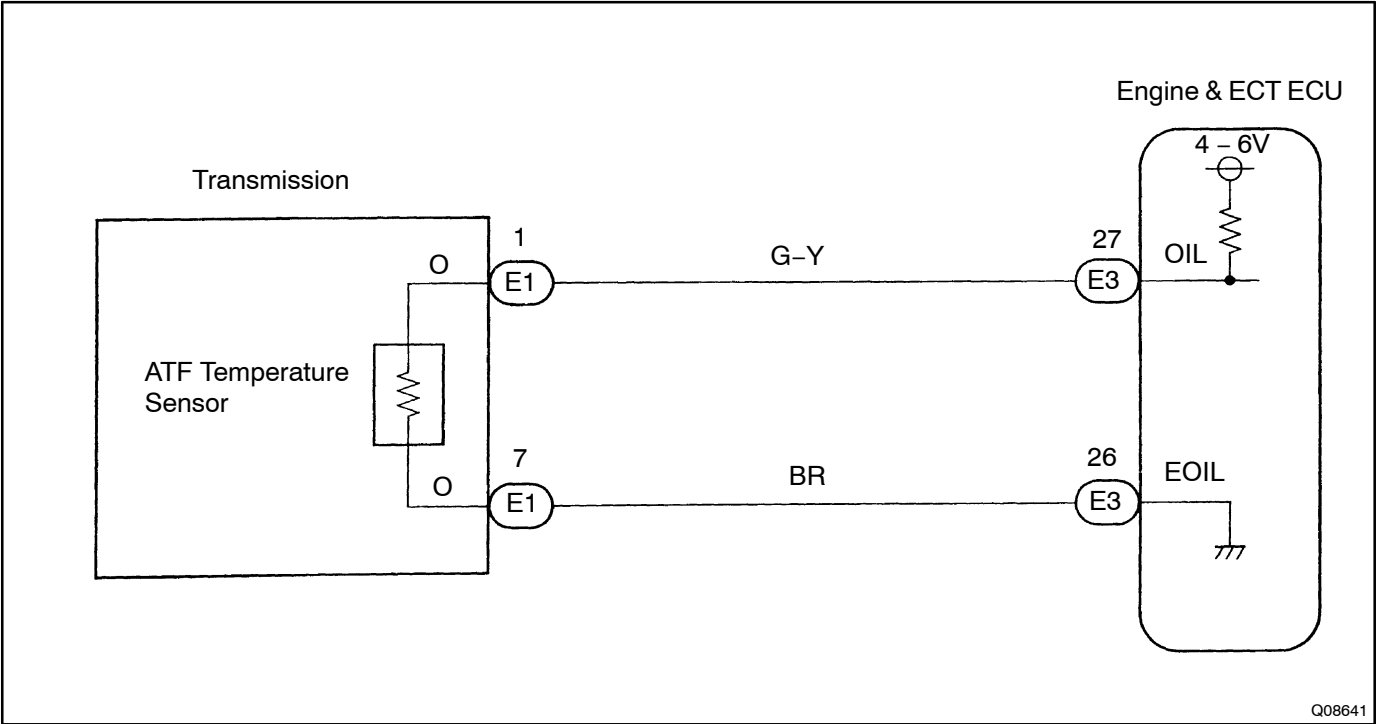
DTC	P0710	Transmission Fluid Temperature Sensor Malfunction (ATF Temperature Sensor)
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CIRCUIT DESCRIPTION

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

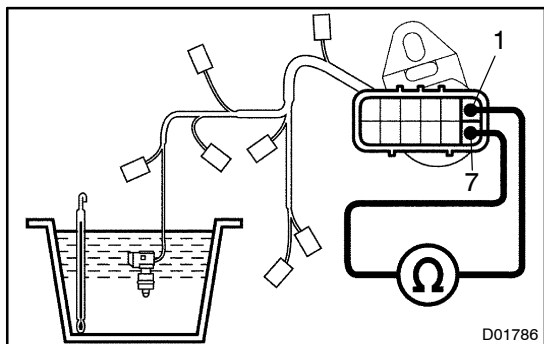
DTC No.	DTC Detecting Condition	Trouble Area
P0710	Either (a) or (b) is detected for 0.5 sec. or more. (2-trip detection logic) (a) Temperature sensor resistance is less than 79 Ω (b) After the engine has been operating for 15 minutes or more, the resistance at the temp. sensor is more than 156 kΩ	<ul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

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Replace the ATF temperature sensor (transmission wire).

OK

2 Check harness and connector between ATF temperature sensor and Engine & ECT ECU (See page N-30).

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Repair or replace the harness or connector.

OK

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