

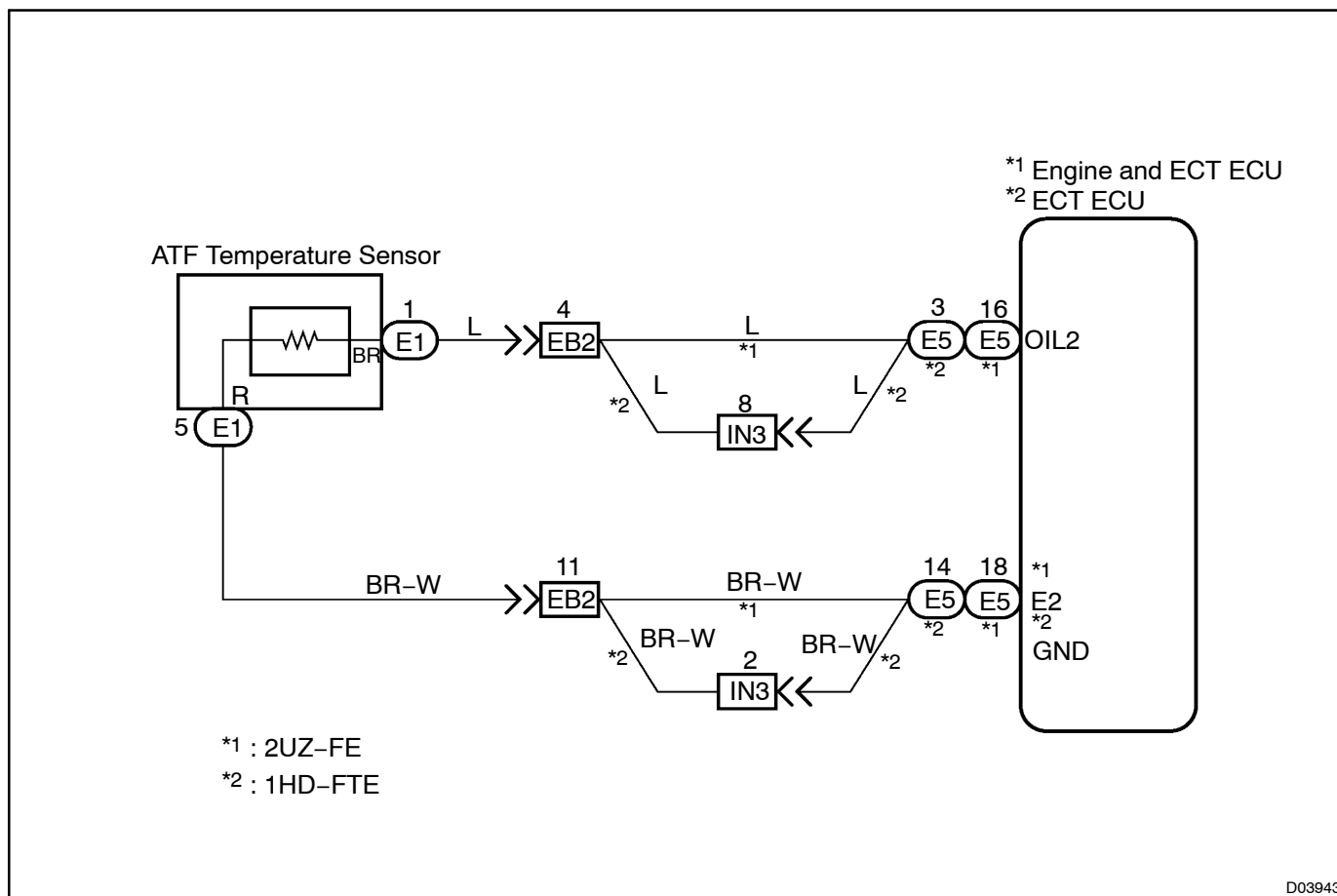
DTC	P0710/38	Transmission Fluid Temperature Sensor Malfunction (ATF Temperature Sensor)
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CIRCUIT DESCRIPTION

The ATF temperature sensor converts fluid temperature into a resistance value which is input into the Engine and ECT ECU (2UZ-FE, 1FZ-FE) or ECT ECU (1HZ, 1HD-T, 1HD-FTE).

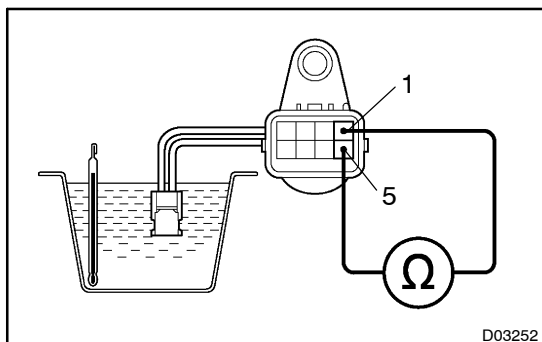
DTC No.	DTC Detecting Condition	Trouble Area
P0710/38	<p>Either (a) or (b) is detected for 0.5 sec. or more. (2-trip detection logic)</p> <p>(a) Temperature sensor resistance is less than 79 Ω</p> <p>(b) After the engine has been operating for 15 minutes or more, the resistance at the temp. sensor is more than 156 kΩ</p>	<ul style="list-style-type: none"> • Open or short in ATF temperature sensor • ATF temperature sensor • Engine and ECT ECU (2UZ-FE, 1FZ-FE) • ECT ECU (1HZ, 1HD-T, 1HD-FTE)

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Check ATF temperature sensor.

**PREPARATION:**

Remove the ATF temperature sensor (See page AT-8).

CHECK:

Measure resistance between terminals 1 and 5 of solenoid connector at 10°C (50°F) and 110°C (230°F).

OK:

Resistance (Approx.):

10°C (50°F): 6.5 kΩ

110°C (230°F): 200 – 300 Ω

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Replace the ATF temperature sensor.

OK

2 Check harness and connector between ATF temperature sensor and Engine and ECT ECU or ECT ECU (See page IN-35).

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Repair or replace the harness or connector.

OK

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