

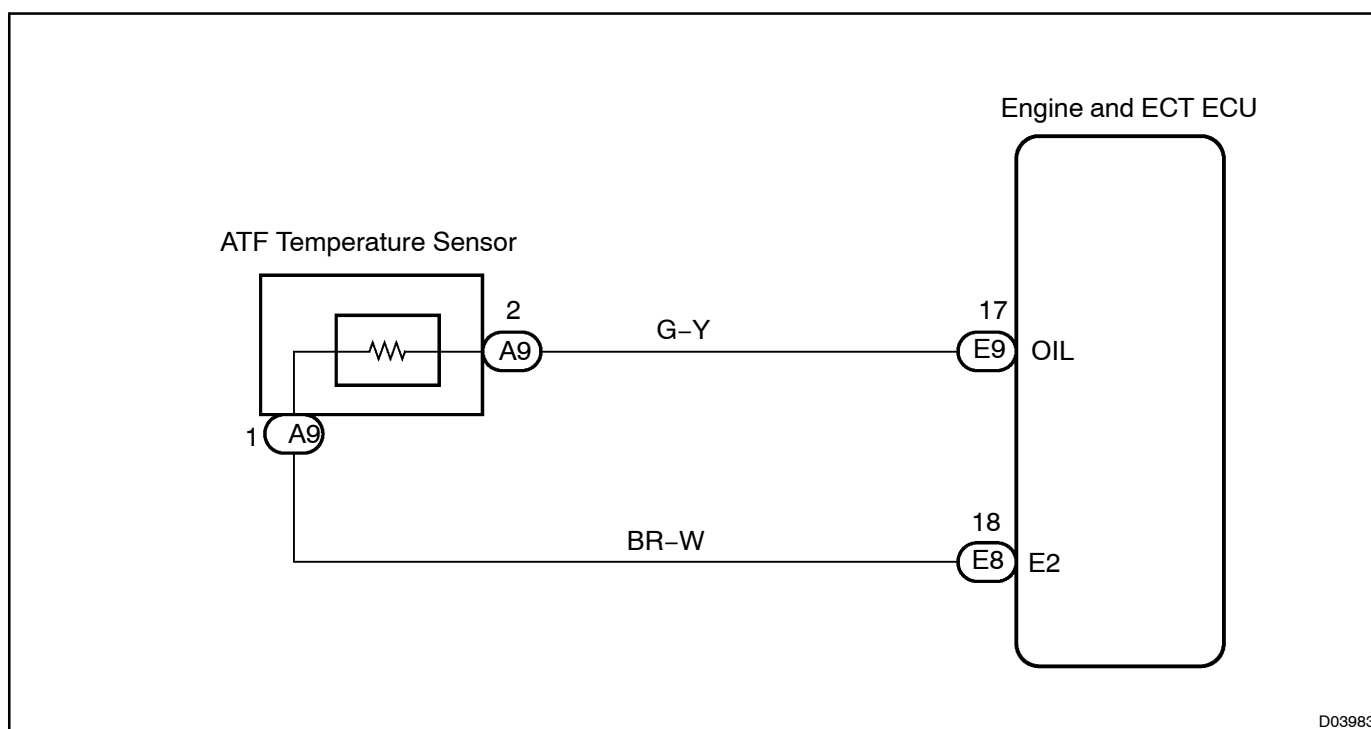
DTC	P0710/38	Transmission Fluid Temperature Sensor Malfunction (ATF Temperature Sensor)
------------	-----------------	---

CIRCUIT DESCRIPTION

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

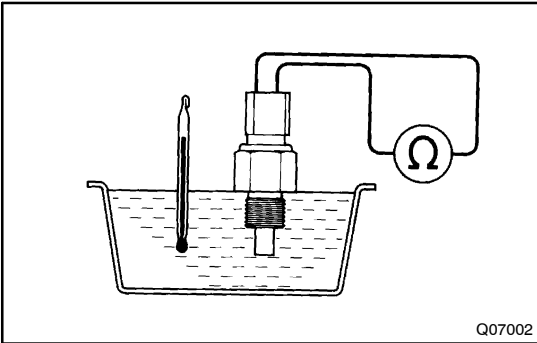
DTC No.	DTC Detecting Condition	Trouble Area
P0710/38	<p>Either (a) or (b) is detected for 0.5 sec. or more. (2-trip detection logic)</p> <p>(a) Temperature sensor resistance is less than 79 Ω</p> <p>(b) After the engine has been operating for 15 minutes or more, the resistance at the temp. sensor is 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

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Check ATF temperature sensor.

**PREPARATION:**

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

CHECK:

Measure resistance between terminals of ATF temperature sensor at 20°C (68°F) and 120°C (248°F).

OK:

Resistance (Approx.):

20°C (68°F): 12.1 kΩ

120°C (248°F): 616 Ω

NG

Replace the ATF temperature sensor.

OK

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

NG

Repair or replace the harness or connector.

OK

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