

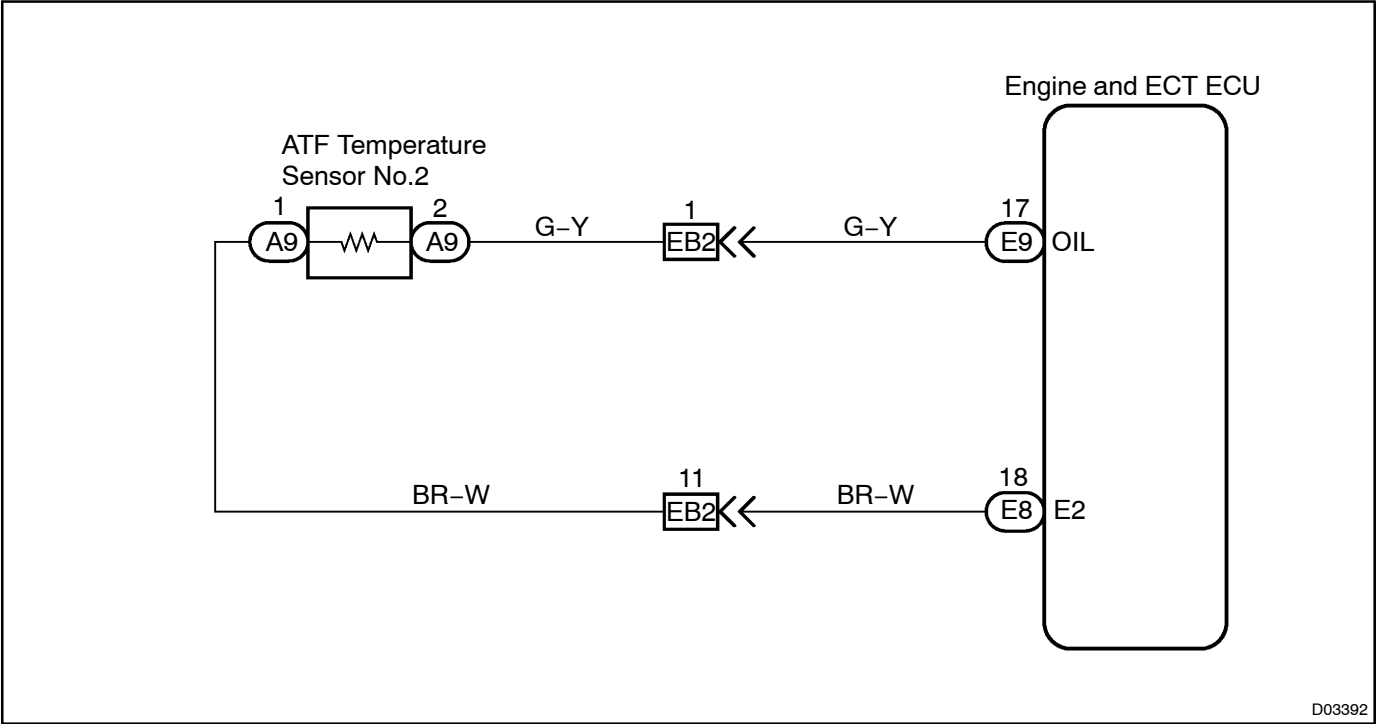
DTC	P1745/38	ATF Temperature Sensor No.2 Circuit Mal-function
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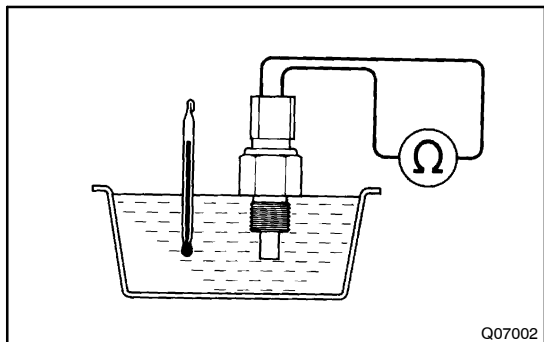
CIRCUIT DESCRIPTION

The ATF temperature sensor No.2 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	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	• Open or short in ATF temperature sensor No.2 • ATF temperature sensor No.2 • Engine and ECT ECU

WIRING DIAGRAM



INSPECTION PROCEDURE**1 Check ATF temperature sensor No.2.****PREPARATION:**

Remove the ATF temperature sensor No.2

([See page AT-7](#)).

CHECK:

Measure resistance between terminals ATF temperature sensor No.2 at 20 °C (68 °F) and 110 °C (230 °F).

OK:

Resistance (Approx.):

20 °C (68 °F): 12.2 kΩ

110 °C (230 °F): 770Ω

NG**Replace the ATF temperature sensor No.2.****OK****2 Check harness and connector between ATF temperature sensor No.2 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](#)).