

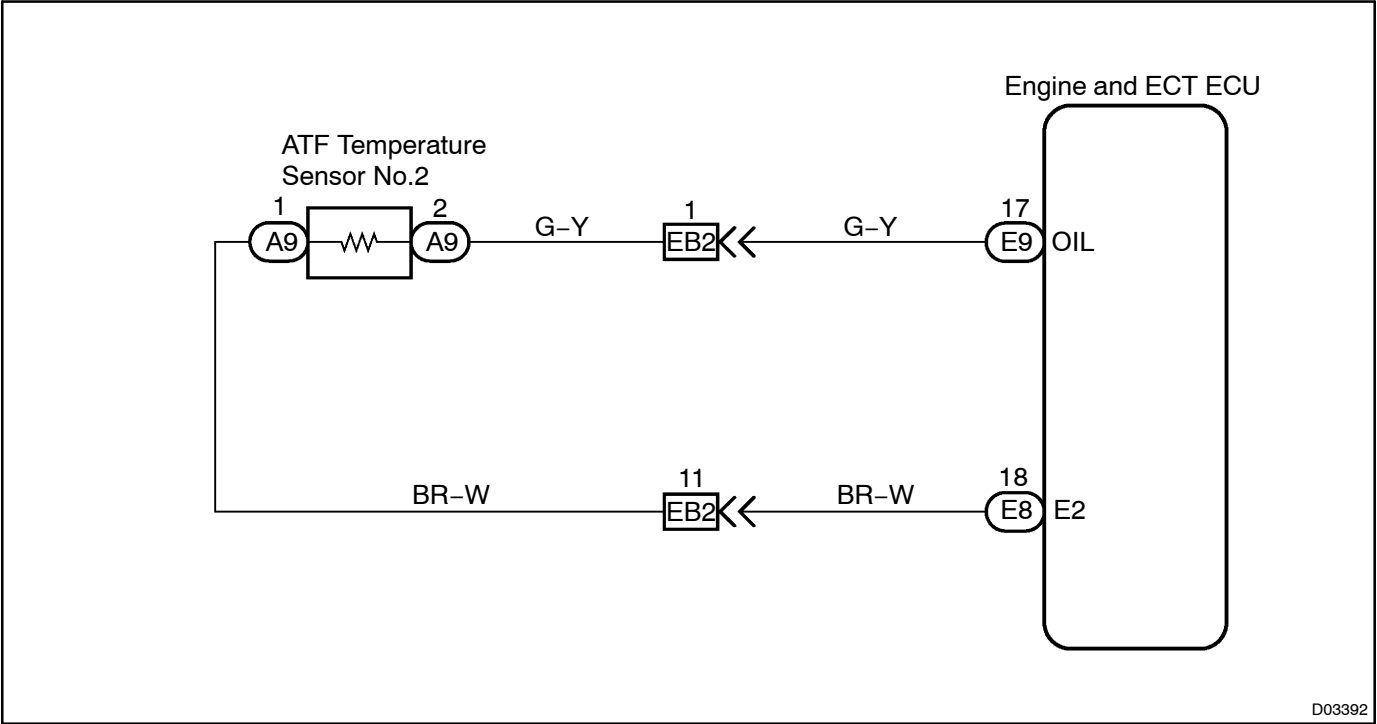
DTC	P1745/38	ATF Temperature Sensor No.2 Circuit Mal-function
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CIRCUIT DESCRIPTION

The ATF temperature sensor No.2 converts fluid temperature into a resistance value which is input into the Engine and ECT ECU.

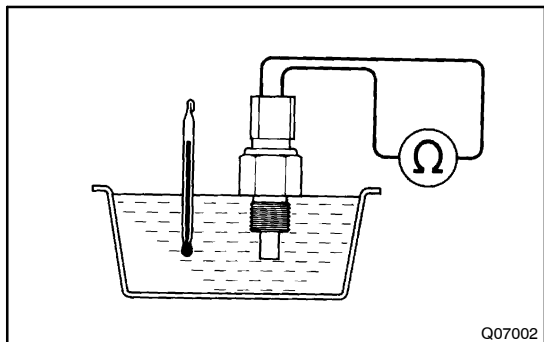
DTC No.	DTC Detecting Condition	Trouble Area
P0710/38	Either (a) or (b) is detected for 0.5 sec. or more. (2-trip detection logic) (a) Temperature sensor resistance is less than 79 Ω (b) After the engine has been operating for 15 minutes or more, the resistance at the temp. sensor is more than 156 kΩ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

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): 770 Ω

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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).

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Repair or replace the harness or connector.

OK

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