

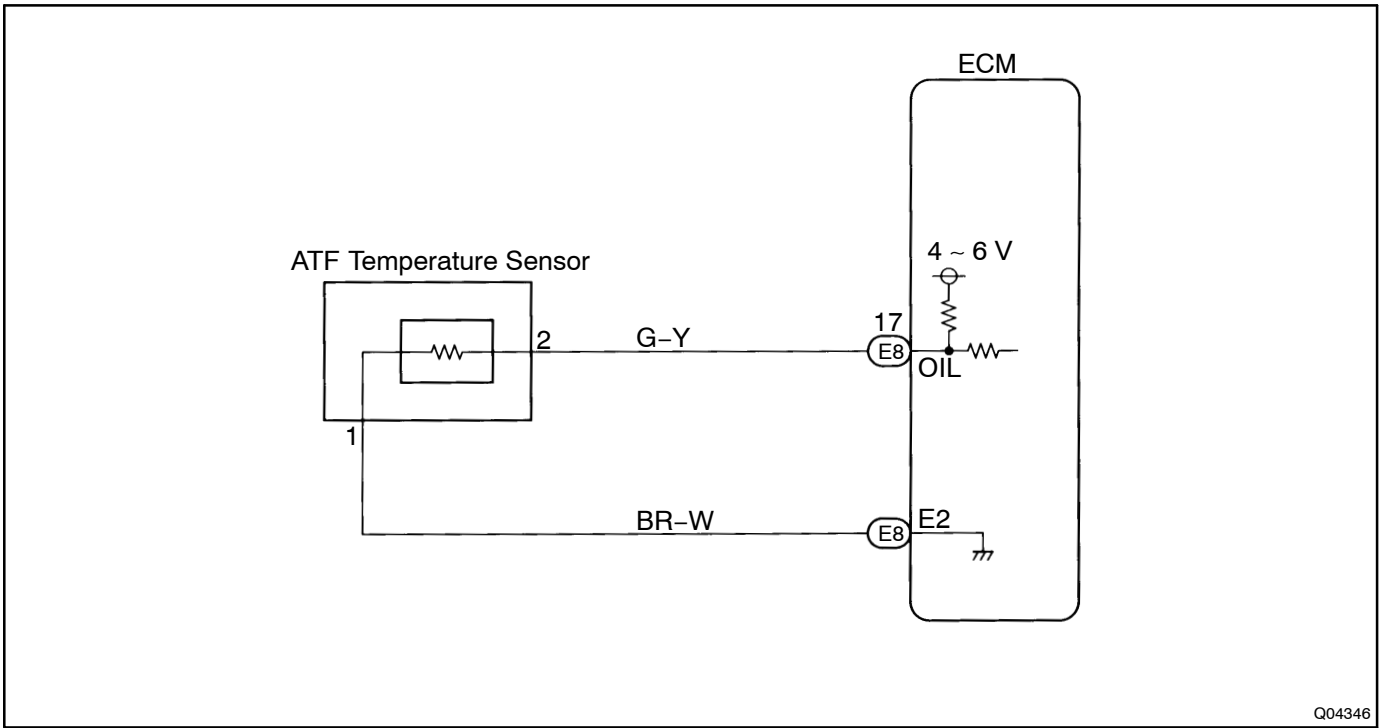
DTC	P0710	Transmission Fluid Temperature Sensor Malfunction (ATF Temperature Sensor)
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CIRCUIT DESCRIPTION

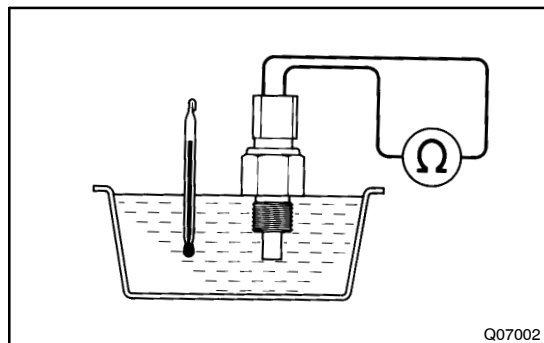
The ATF temperature sensor converts fluid temperature into a resistance value which is input into the ECM.

DTC No.	DTC Detecting Condition	Trouble Area
P0710	Either (a) or (b) is detected for 0.5 sec. or more. (a) Temp. sensor resistance is less than 79 Ω (b) After the engine has been operating for 15 minutes or more, the temp. sensor resistance is more than 156 k Ω	<ul style="list-style-type: none"> • Open or short in ATF temp. sensor • ATF temp. sensor • ECM

WIRING DIAGRAM



Q04346

INSPECTION PROCEDURE**1 Check ATF Temperature Sensor.****PREPARATION:**

Remove the ATF temperature sensor.

CHECK:

Measure resistance between terminals of ATF temperature sensor at 20 °C (68 °F) and 110 °C (230 °F).

OK:

Resistance (Approx.):

20 °C (68 °F): 12.1 kΩ

110 °C (230 °F): 780 Ω

NG**Replace the ATF temperature sensor.****OK****2 Check harness and connector between ATF temperature sensor and ECM
(See page [IN-33](#)).****NG****Repair or replace the harness or connector.****OK**

**Check and replace the ECM.
(See page [IN-33](#))**