

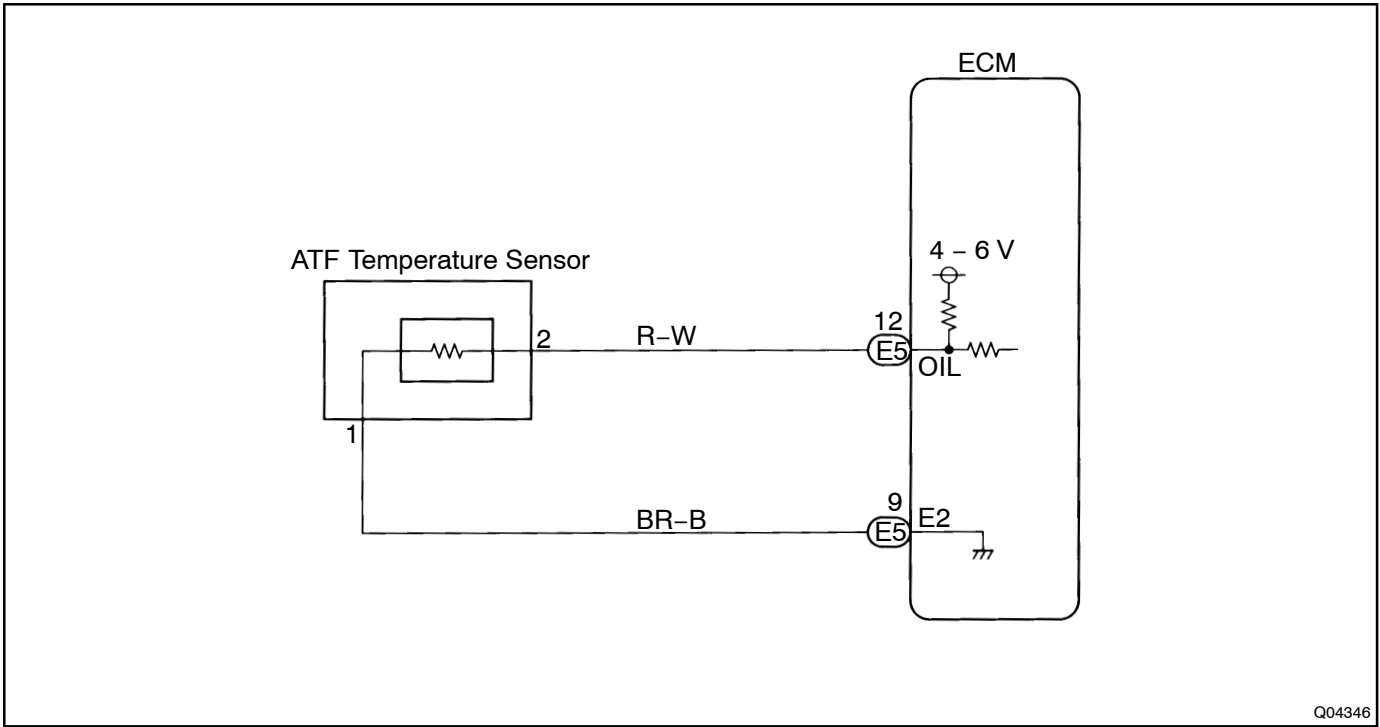
DTC	P0710	Transmission Fluid Temperature Sensor Circuit Malfunction (ATF Temperature Sensor)
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CIRCUIT DESCRIPTION

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

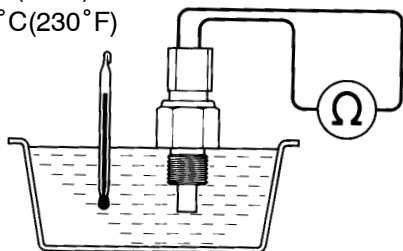
DTC No.	DTC Detecting Condition	Trouble Area
P0710	Either a) or b) is detected for 0.5 sec. or more. a) Temp. sensor resistance is less than 79 Ω b) After the engine has been operating for 15 minutes or more, the resistance at the temp. sensor is more than 156 k Ω	• Open or short in ATF temp. sensor circuit • ATF temp. sensor • ECM

WIRING DIAGRAM



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

20 °C (68 °F) and
110 °C (230 °F)



Q07002

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 :**

20 °C (68 °F): Approx.12.2 kΩ

110 °C (230 °F): Approx.770 Ω

NG**Replace ATF temperature sensor.****OK****2 Check harness and connector between ATF temperature sensor and ECM
(See page [IN-27](#)).****NG****Repair or replace the harness or connector.****OK****Check and replace ECM.**