

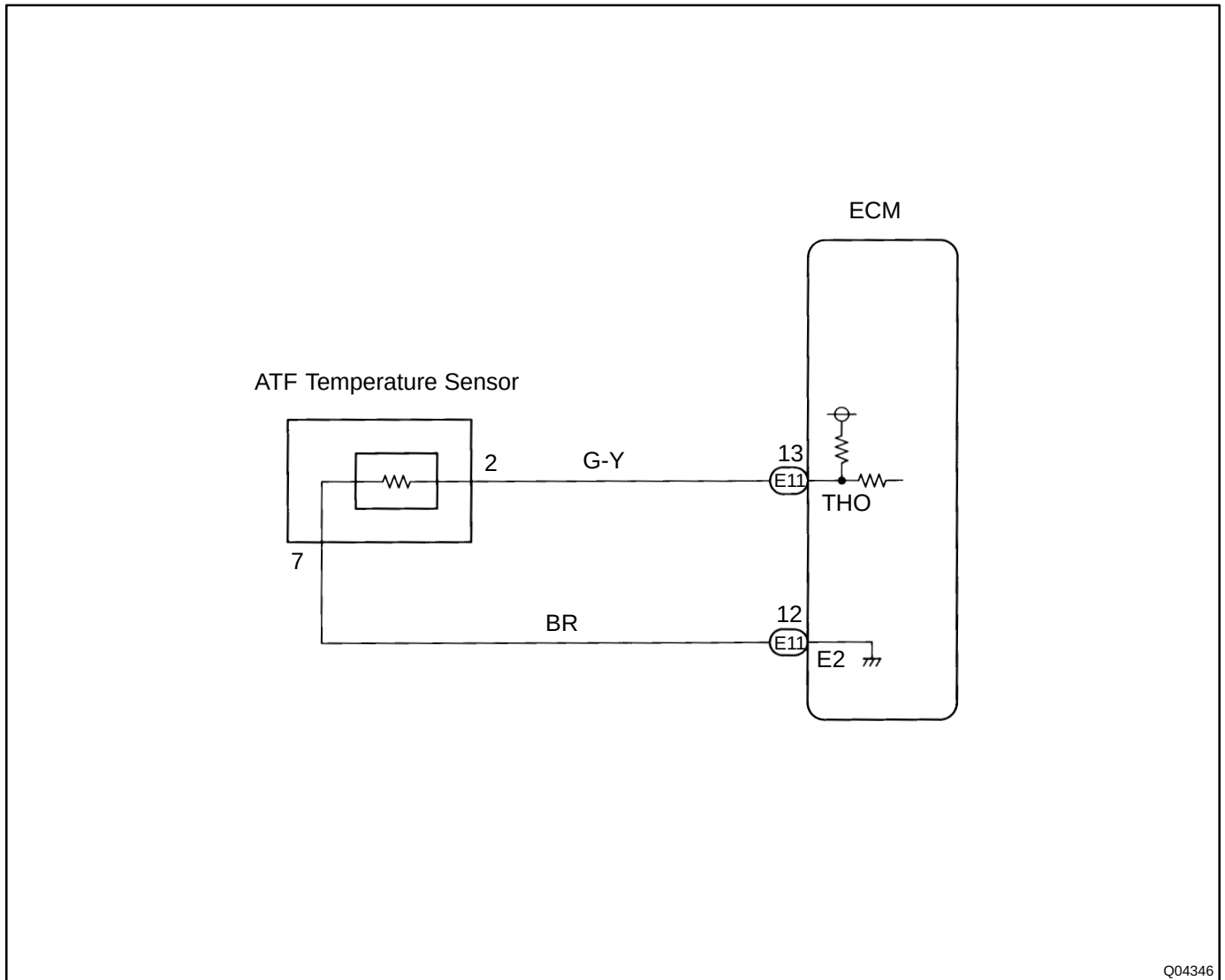
DTC	P0710	Transmission Fluid Temperature Sensor Circuit Malfunction (ATF temperature sensor)
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CIRCUIT DESCRIPTION

The ATF temperature sensor converts fluid temp. into a resistance valve 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 (2-trip detection logic) (a) ATF 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 circuit • ATF temperature sensor • ECM

WIRING DIAGRAM



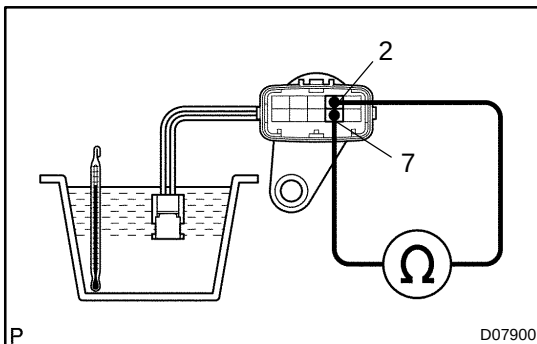
Q04346

INSPECTION PROCEDURE

- | | |
|----------|---|
| 1 | Check harness and connector between ATF temperature sensor and ECM
(See page IN-31). |
|----------|---|

NG**Repair or replace the harness or connector.****OK**

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|----------|--------------------------------------|
| 2 | Check ATF temperature sensor. |
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**PREPARATION:**

- (a) Remove the oil pan.
- (b) Remove the solenoid wiring.

CHECK:

Measure resistance between terminals 2 and 7 of solenoid wiring connector at 10 °C (50 °F) and 110 °C (230 °F).

OK:**Resistance:****10 °C (50 °F): 6.4 kΩ****110 °C (230 °F): 219 Ω - 275 Ω****NG****Replace solenoid wiring.****OK****Check and replace ECM (See page [IN-31](#)).**