

CIRCUIT INSPECTION

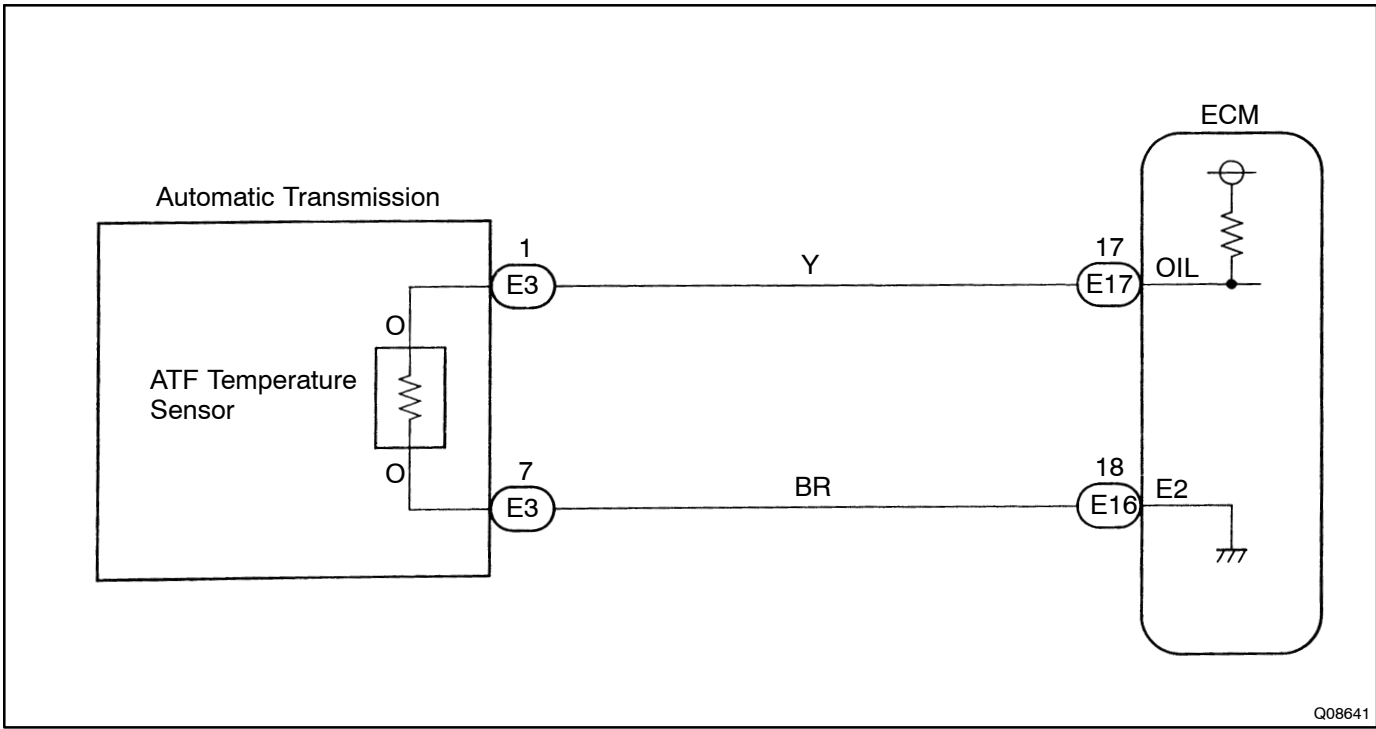
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|------------|--------------|---|
| DTC | P0710 | Transmission Fluid Temperature Sensor Malfunction (ATF Temperature Sensor) |
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CIRCUIT DESCRIPTION

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

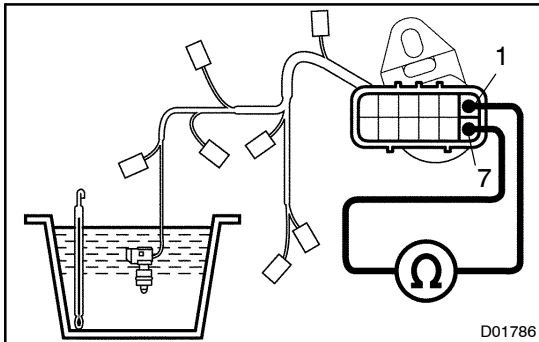
| DTC No. | DTC Detecting Condition | Trouble Area |
|---------|---|--|
| P0710 | Either (a) or (b) is detected for 0.5 sec. or more. (a) Temp. sensor resistance is less than 79 Ω (b) After the engine has been operating for 15 minutes or more, the resistance at the temp. sensor is more than 156 k Ω |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

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Check ATF temperature sensor.

**PREPARATION:**

- (a) Remove the oil pan.
- (b) Disconnect the solenoid wire connector.

CHECK:

Measure resistance between terminals 1 and 7 of solenoid connector at 25 °C (77 °F) and 110 °C (230 °F).

OK:

Resistance (Approx.):

25 °C (77 °F): 3.5 kΩ

110 °C (230 °F): 200 ~ 300 Ω

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Replace the ATF temperature sensor (transmission wire).

OK

2 Check harness and connector between ATF temperature sensor and ECM
(See page [IN-30](#)).

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Repair or replace the harness or connector.

OK

Check and replace the ECM
(See page [IN-30](#)).