

DTC	P0711	Transmission Fluid Temperature Sensor "A" Performance
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CIRCUIT DESCRIPTION

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

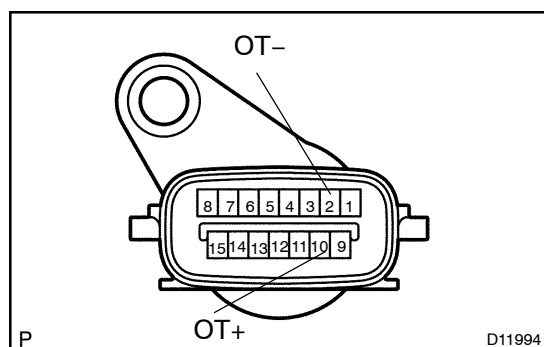
DTC No.	DTC Detecting Condition	Trouble Area
P0711	Both (a) and (b) are detected: (2-trip detection logic) (a) After 12 sec. of engine start, temp. of atmosphere and that of engine coolant is more than -10°C (b) After normal driving for over 20 min. and 10 km, ATF temp. is less than 10°C	• Open or short in ATF temperature sensor No. 1 circuit • ATF temperature sensor No. 1 • ECM

WIRING DIAGRAM

See page [DI-275](#).

INSPECTION PROCEDURE

1	Check transmission wire.
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PREPARATION:

Disconnect the transmission wire connector from the transmission.

CHECK:

Measure resistance between terminals OT+ and OT- of the transmission wire connector and body ground.

OK:

Resistance: 1 MΩ or higher

CHECK:

Measure the resistance between terminals OT+ and OT-.

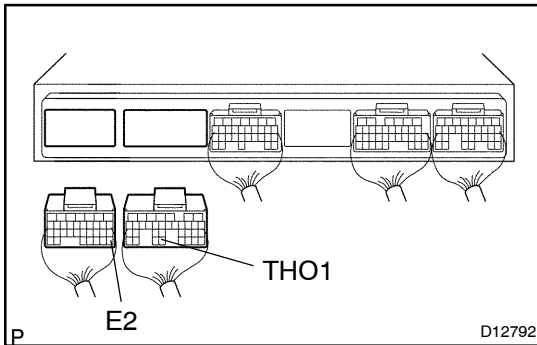
OK:

Temperature: $^{\circ}\text{C}$ ($^{\circ}\text{F}$)	Resistance: kΩ
10 (50)	6.4
110 (230)	0.2

NG

Replace the transmission wire (ATF temperature sensor).

OK

2 Measure resistance between terminal THO1 and E2 of ECM connector.**PREPARATION:**

- (a) Connect the transmission wire connector.
- (b) Disconnect the connector of the ECM.

CHECK:

Measure the resistance between terminals THO1 and E2.

OK:

Temperature: °C (°F)	Resistance: kΩ
10 (50)	6.4
110 (230)	0.2

CHECK:

Measure resistance between terminals THO1 and E2 of the ECM connector and body ground.

OK:

Resistance: 1 MΩ or higher

NG

Repair or replace the harness or connector (See page [IN-36](#)).

OK

Check and replace the ECM (See page [IN-36](#)).