

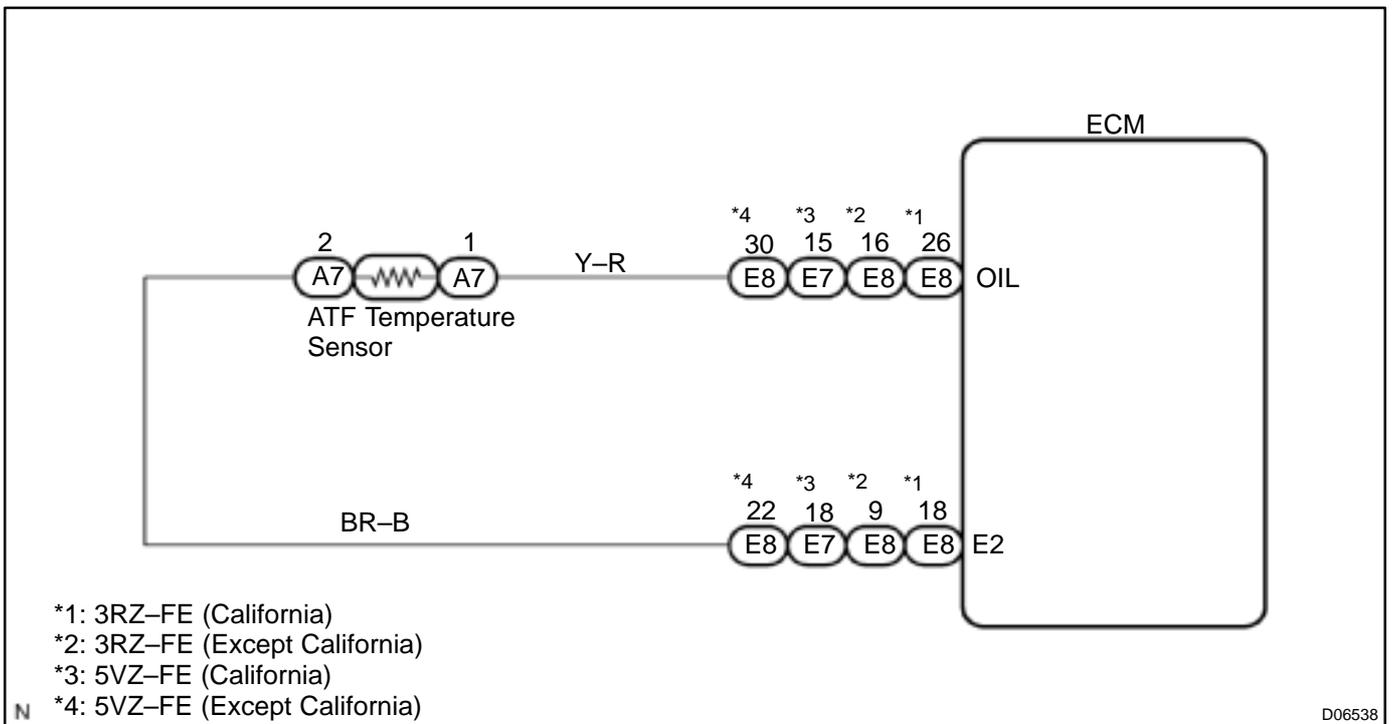
DTC	P0710	Transmission Fluid Temperature Sensor Malfunction (ATF Temperature Sensor)
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CIRCUIT DESCRIPTION

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

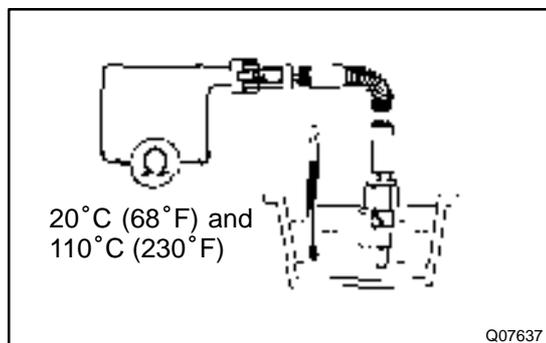
DTC No.	DTC Detecting Condition	Trouble Area
P0710	Either (a) or (b) is detected for 0.5 sec. or more. (1-trip detection logic) (a) Temp. sensor resistance is less than 79 Ω (b) After the engine has been operating for 15 minutes or more, the resistance at the temp. sensor is more than 156 kΩ	<ul style="list-style-type: none"> • Open or short in ATF temp. sensor circuit. • ATF temp. sensor • ECM

WIRING DIAGRAM



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): 790 Ω

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Replace the ATF temperature sensor.

OK

2 Check harness and connector between ATF temperature sensor and ECM
(See page [IN-28](#)).

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Repair or replace the harness or connector.

OK

Check and replace the ECM
(See page [IN-28](#)).