

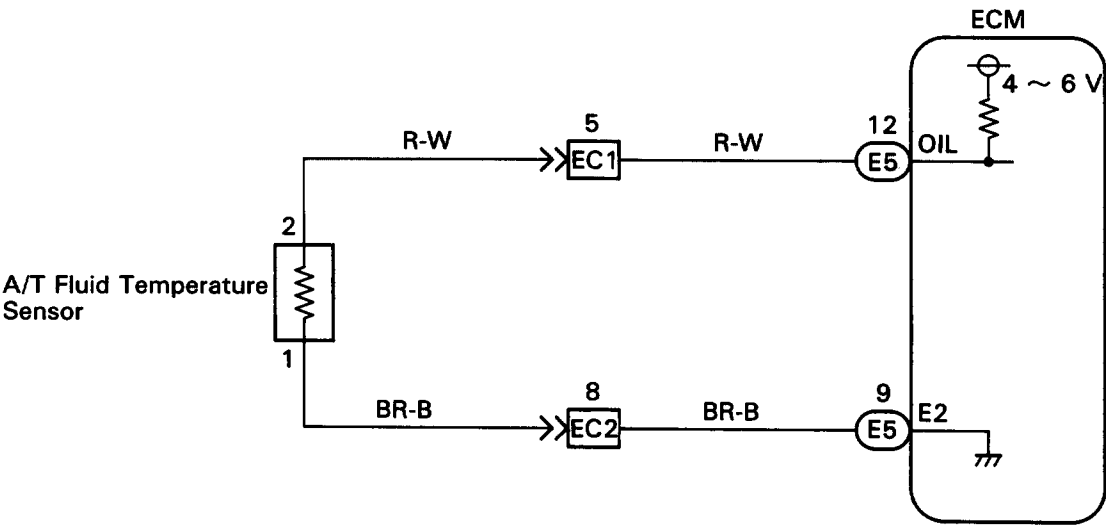
CIRCUIT INSPECTION
DTC P0710 Transmission Fluid Temperature Sensor Circuit
Malfunction (A/T Fluid Temperature Sensor)

CIRCUIT DESCRIPTION

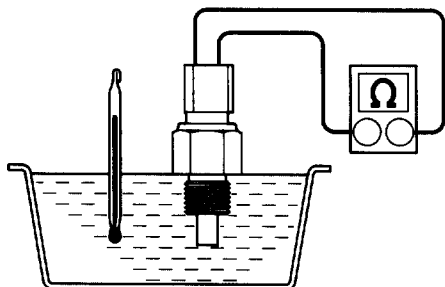
The A/T fluid temperature sensor converts fluid temperature into a resistance value which is input into the ECM.

DTC No.	DTC Detecting Condition	Trouble Area
P0710	Either a) or b) is detected for 0.5 sec. Or more: a) Temperature sensor resistance is less than 79 kΩ b) After the engine has been operating for 15 minutes or more, the resistance at the temperature sensor is more than 156 kΩ	•Harness or connector between A/T fluid temperature sensor and ECM •A/T fluid temperature sensor •ECM

WIRING DIAGRAM



INSPECTION PROCEDURE

1**Check A/T Fluid Temperature Sensor.**

20°C (68°F) and 110°C (230°F)

Q07001

OK**P** Remove A/T fluid Temperature sensor.**C** Measure resistance between terminals of A/T fluid 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 A/T fluid Temperature sensor.

2**Check harness and connector between A/T fluid temperature sensor and ECM (See page [IN-26](#)).****OK****NG**

Repair or replace harness or connector.

Check and replace ECM.