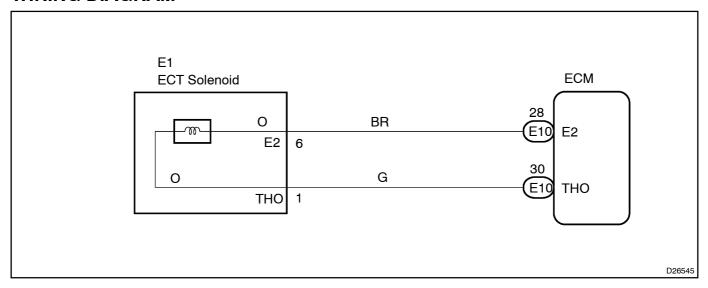
DTC	P0710/38	TRANSMISSION FLUID TEMPERATURE SENSOR MALFUNCTION	
DTC	P0711/38	TRANSMISSION FLUID TEMPERATURE SENSOR RANGE/PERFORMANCE PROBLEM	0567Z-01

CIRCUIT DESCRIPTION

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

DTC No.	DTC Detection Condition	Trouble Area
P0710/38	Either (a) or (b) is detected for 0.5 sec. or more: (1 trip detection logic) (c) Temp. sensor resistance is less than 79 Ω (d) After engine has been operating for 15 min. or more, resistance at temp. sensor is more than 156 k Ω	Open or short in ATF temp. sensor ATF temp. sensor ECM
P0711/38	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 in ATF temp. sensor ATF temp. sensor ECM

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:

Start[]he[]nspection[]rom[step[] []n[case[]pf[]using[]he[]hand-held[]ester[]and[]start[]rom[]step[]2[]n[case[]pf[]hot using[]hand-held[]ester.

1 | READ[VALUE[OF[HAND-HELD[TESTER(THO)

- (a) ☐ Warm [up [the [engine.
- (b) Turn the ignition witch OFF.
- (c) ☐ Connect The Thand-held Tester To The TDLC3.
- (d) Turn the ignition witch ON and bush the Hand-held tester main WON.
- (e) Select[he[item[]AT[FLUID[]TEMP]]n[ihe[]DATALIST[and[]tead[]ts[]value[displayed[]pn[]the[]Hand-held tester.

NOTICE:

The values given below for Normal Condition are representative values, so a vehicle may still be normal even if its value differs from those listed here. Do not depend solely on the Normal Condition here when deciding whether or not the part is faulty.

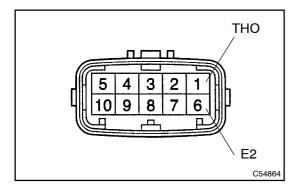
Item	Measurement[]tem/ Display[[Range)	Normal@ondition	Diagnostic∏Note
AT[FLUID[TEMP	ATF[]emp.[\$ensor[]/alue/ min.: -40[] C (-40[] E) max.:[]225[] C[]437[] E)	80[] C[[176[] E) (After[Stall[Test)	If[the[yalue[]s[]-40[]C (-40[]E)"[or "225[]C[[437[]E)",[ATF[temp.[sen- sor[circuit[]s[opened[or[shorted.

OK∏

> CHECK[AND[REPLACE[ECM(See[page[01-31)]

NG

2 INSPECT|TRANSMISSION|WIRE(ATF|TEMPERATURE|SENSOR)



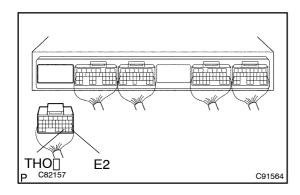
- (a) Disconnect in entrie transaxle.
- (b) Measure the resistance between terminals THO and E2. **OK:**

Temperature:["C (°E)	Resistance:[k ₽	
10[[50)	6.4	
110[[230)	0.2	

NG | REPAIR | OR | REPLACE | TRANSMISSION WIRE (See page 01-21)

ОК

3 | CHECK[HARNESS[AND]CONNECTOR(TRANSMISSION]WIRE - [ECM)



- (a) Connect he ransmission wire connector from he ransaxle.
- (b) ☐ Disconnect The ECM connector.
- (c) Measure resistance between erminals THO and E2. **OK:**

Temperature: C (°E)	Resistance:[k ₽	
10[[50]	6.4	
110[[230)	0.2	

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR(See page 01-31)



CHECK[AND[REPLACE[ECM(See[page[01-3]1)