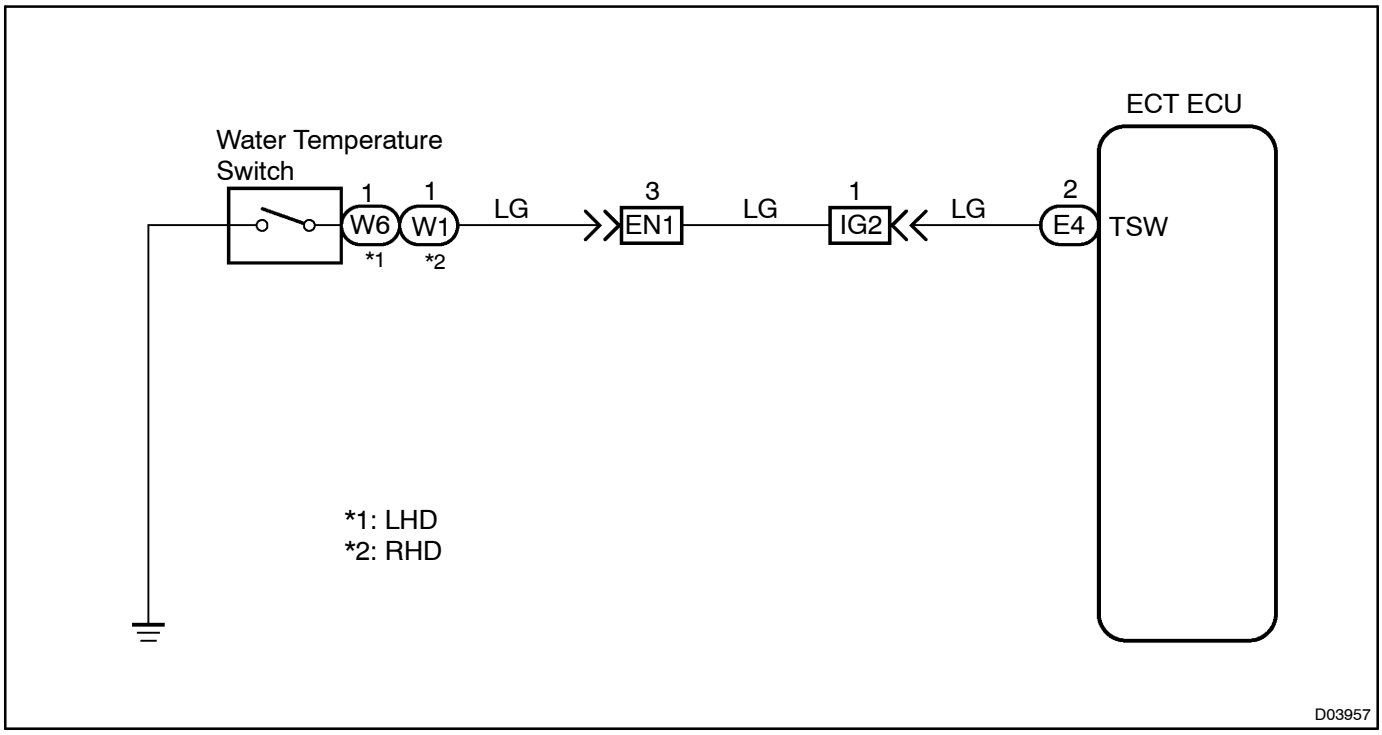
DI3RI–01

Water Temperature Switch Circuit

CIRCUIT DESCRIPTION

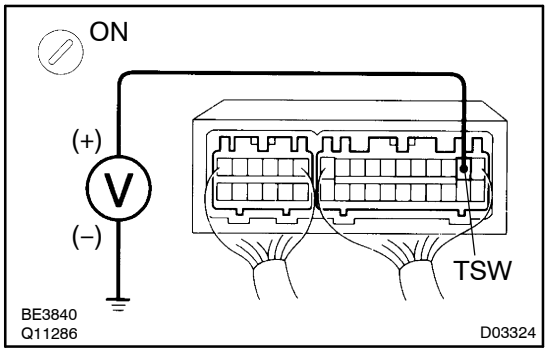
A thermistor built in the water temperature switch changes the resistance value according to the engine coolant temperature.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check voltage between terminals THW of ECT ECU and body ground



PREPARATION:

(a) Remove the glove compartment door (See page BO–127).

(b) Turn the ignition switch ON.

CHECK:

Measure voltage between terminal THW of ECT ECU and body ground.

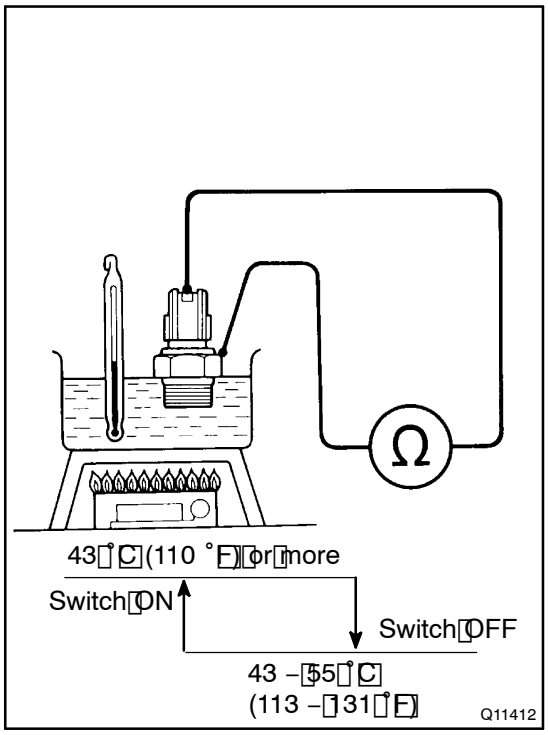
OK:

Water Temperaure	Voltage
55°C (131°F) or more	9.0 – 14 V
43°C (109°F) or less	Below 1.5 V

OK	Proceed to next circuit inspection shown in problem symptoms table (See page IN–35).

NG

2	Check pattern select switch.



PREPARATION:

Remove the water temperature switch.

CHECK:

Measure resistance between terminal and body of the water temperature switch.

OK:

Water temperature	Resistance
43 °C (110 °F) or more	0 Ω (continuity)
45 – 55 °C (113 – 131 °F)	∞ Ω (open)

NG	Replace the water temperature switch.

OK

3	Check harness and connector between water temperature switch and ECT ECU (See page IN–35).

NG → Repair or replace the harness or connector.

OK →

Check and replace the ECT ECU (See page IN–35).