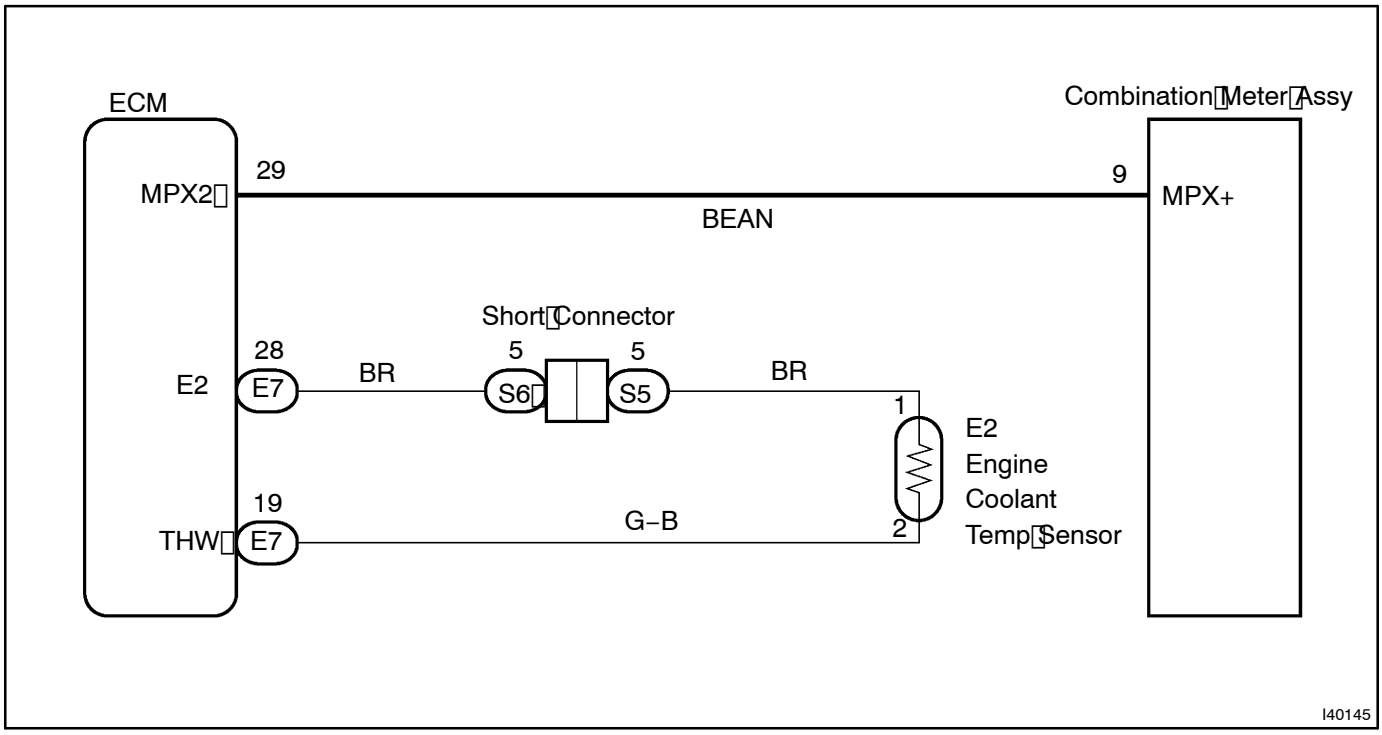
MALFUNCTION IN WATER TEMPERATURE RECEIVER GAUGE

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:

If there is an open or short in the engine coolant temperature sensor circuit, the ECM outputs DTCs. Perform troubleshooting with the "SFI System 05–4".

1	PERFORM ACTIVE TEST BY INTELLIGENT TESTER II

(a) Operate the intelligent tester II according to the steps on the display and select the "ACTIVE TEST".

METER:

Item	Test Details	Diagnostic Note
COOLANT TEMP	LOW, 60°C (140°F), 70°C (158°F), 80°C (176°F), NORMAL, 110°C (230°F), 120°C (248°F), HIGH	–

OK:

Needle indication is normal.

NG → **REPLACE COMBINATION METER ASSY (SEE PAGE 71–17)**

OK

2	READ VALUE OF INTELLIGENT TESTER II (ENGINE COOLANT)

(a) Operate the intelligent tester II according to the steps on the display and select the "DATA LIST".

ECM:

Item	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
COOLANT TEMP	Coolant Temperature / Min.: –40°C (–40°F), Max.: 140°C (284°F)	After warming up: 80 to 95°C (176 to 203°F)	If the value is "–40°C (–40°F)" or "140°C (284°F)", sensor circuit is open or shorted.

OK:

Coolant temperature displayed on the tester is between 80°C (176°F) and 95°C (203°F) after warming up.

NG → **GO TO ENGINE CONTROL SYSTEM (SEE PAGE 05–4)**

OK

3	REPLACE COMBINATION METER ASSY

OK:

Normal operation

NG → **GO TO ENGINE CONTROL SYSTEM (SEE PAGE 05–4)**

OK

END