DI3D1–02

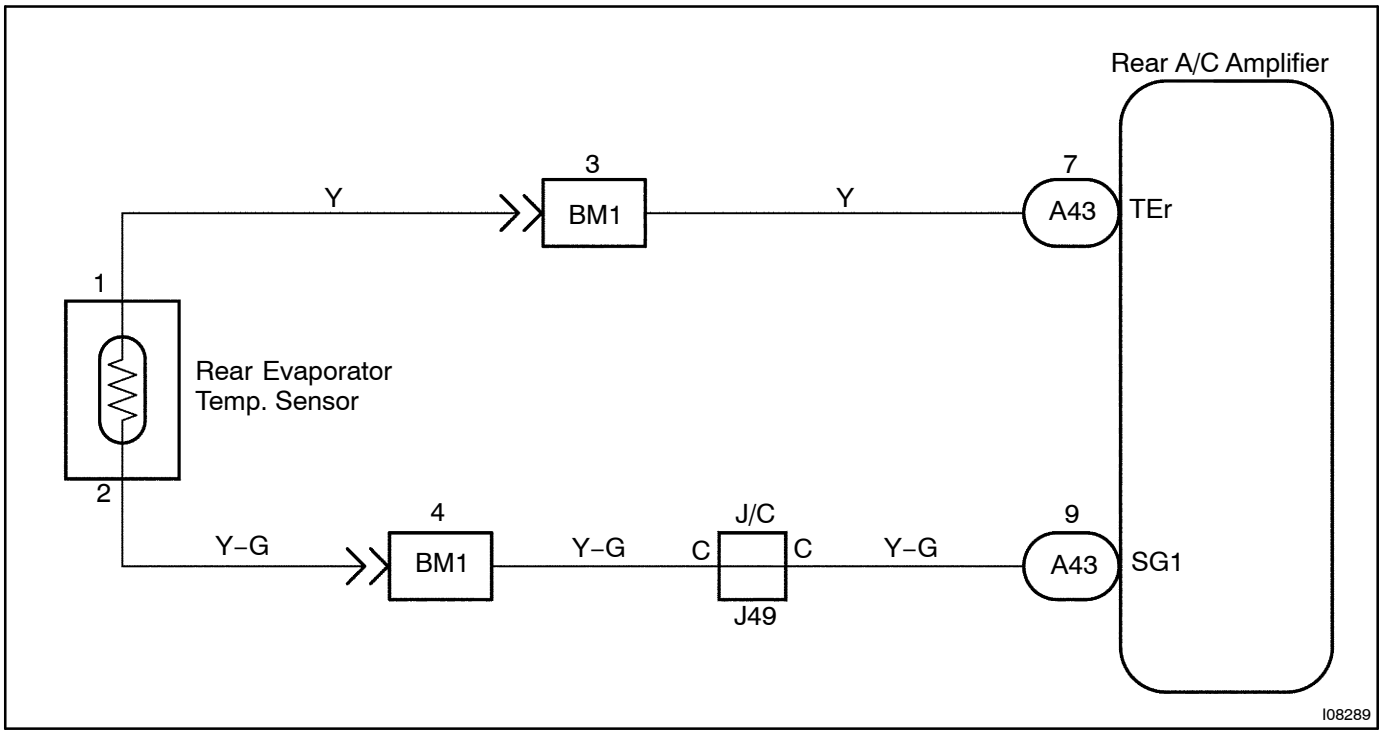
DTC	RrACSW, FOOT	Rear Evaporator Temperature Sensor Circuit

CIRCUIT DESCRIPTION

This sensor detects the rear evaporator temperature and sends the appropriate signals to the A/C amplifier.

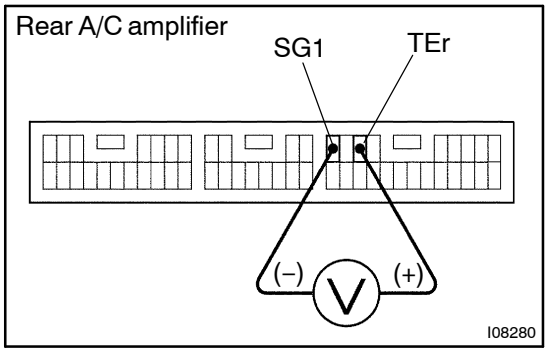
Blinking light	Detection Item	Trouble Area
RrACSW FOOT	Open or short in rear evaporator temperature sensor circuit.	• Rear evaporator temperature sensor. • Harness or connector between rear evaporator temperature sensor and A/C amplifier. • Rear A/C amplifier

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check voltage between terminals TEr and SG1 of rear A/C amplifier connector.**



PREPARATION:

Remove rear A/C amplifier with connectors still connected.

CHECK:

(a) Turn ignition switch ON.

(b) Measure voltage between terminals TEr and SG1 of rear A/C amplifier connector at each temperature.

OK:

Voltage :
at 0°C (32°F) : 2.0 – 2.4 V
at 15°C (59°F) : 1.4 – 1.8 V

HINT:

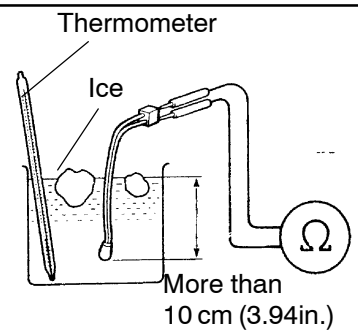
As the temperature increases, the voltage decreases.

NG → **Go to step 2.**

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI–859). However, if RrACSW and FOOT is light up, check and replace A/C amplifier.

2	Check rear evaporator temperature sensor.



PREPARATION:
Remove rear evaporator temperature sensor.
CHECK:
Measure resistance between terminals 1 and 2 of evaporator temperature sensor connector at each temperature.
OK:

Resistance :
at 0°C (32°F) : 4.5 – 5.2 kΩ
at 15°C (59°F) : 2.0 – 2.7 kΩ

HINT:
As the temperature increases, the resistance decreases.

NG → **Replace rear evaporator temperature sensor.**

OK

3	Check harness and connector between A/C amplifier and rear evaporator temperature sensor (See page IN–35).

NG → **Repair or replace harness or connector.**

OK

Check and replace A/C amplifier.