DI90P–01

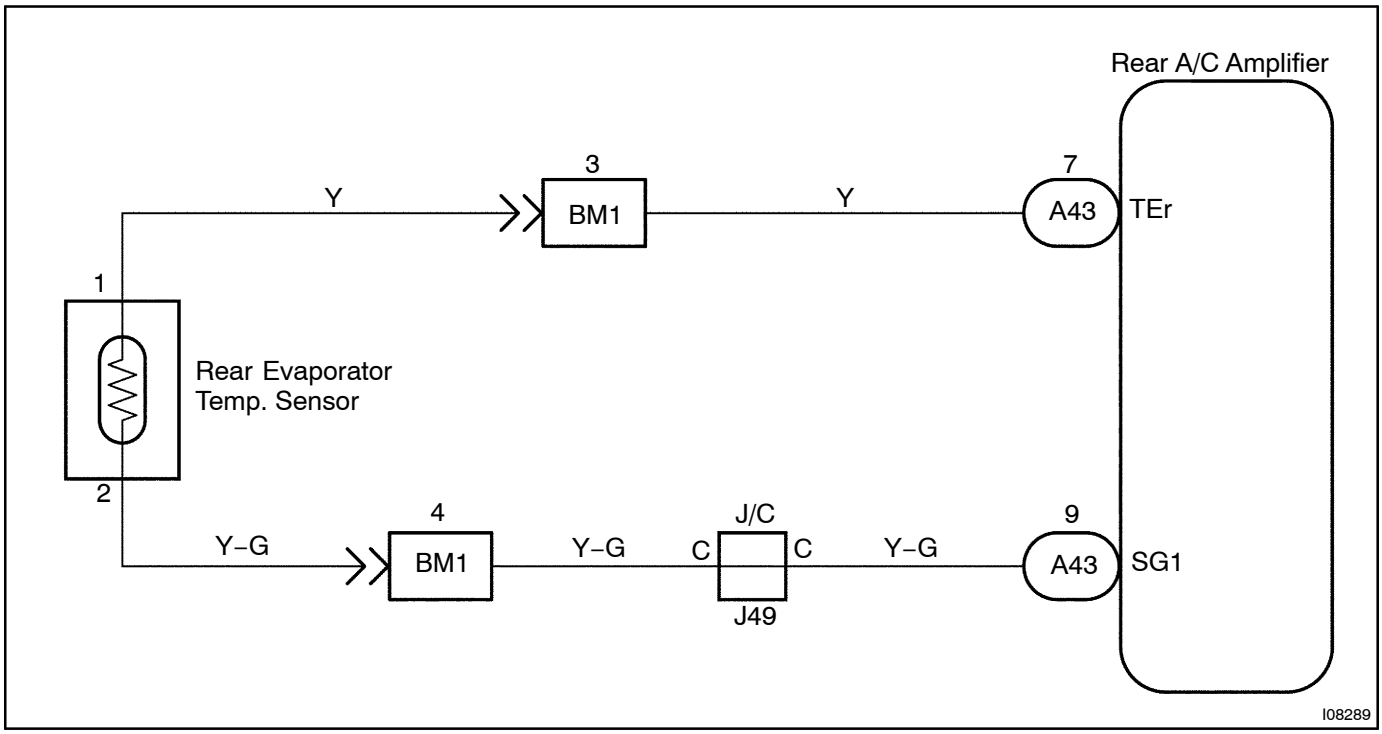
DTC	RrACSW, FOOT	Rear Evaporator Temperature Sensor Circuit

CIRCUIT DESCRIPTION

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

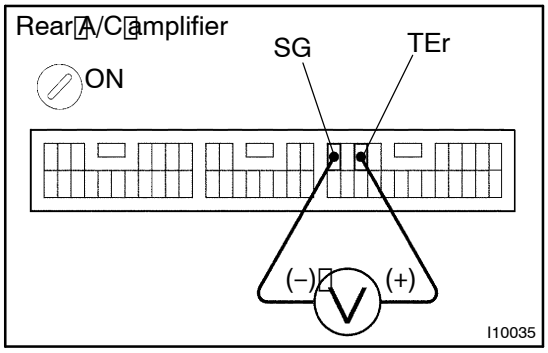
Blinking light	Detection Item	Trouble Area
RrACSW, FOOT	Open or short in rear evaporator temperature sensor circuit.	• Rear evaporator temperature sensor. • Harness or connector between rear evaporator temperature sensor and rear A/C amplifier. • Rear A/C amplifier

WIRING DIAGRAM



INSPECTION PROCEDURE

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



PREPARATION:

Remove rear A/C amplifier with connectors still connected.

CHECK:

(a) Turn ignition switch to ON.

(b) Measure voltage between terminals TEr and SG 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:

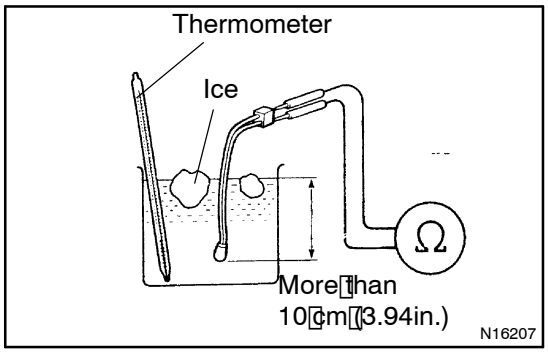
As the temperature increases, the voltage decreases.

NG	Go to step 2.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI–130). However, if RrACSW and FACE indicators light up (or DTC 17 is displayed), check and replace A/C amplifier.

2	**Check rear evaporator temperature sensor.**



PREPARATION:

Remove rear evaporator temperature sensor (See Pub. No. RM616E on page AC–43).

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–34).**

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

OK

Check and replace A/C amplifier.