DI3D1–02

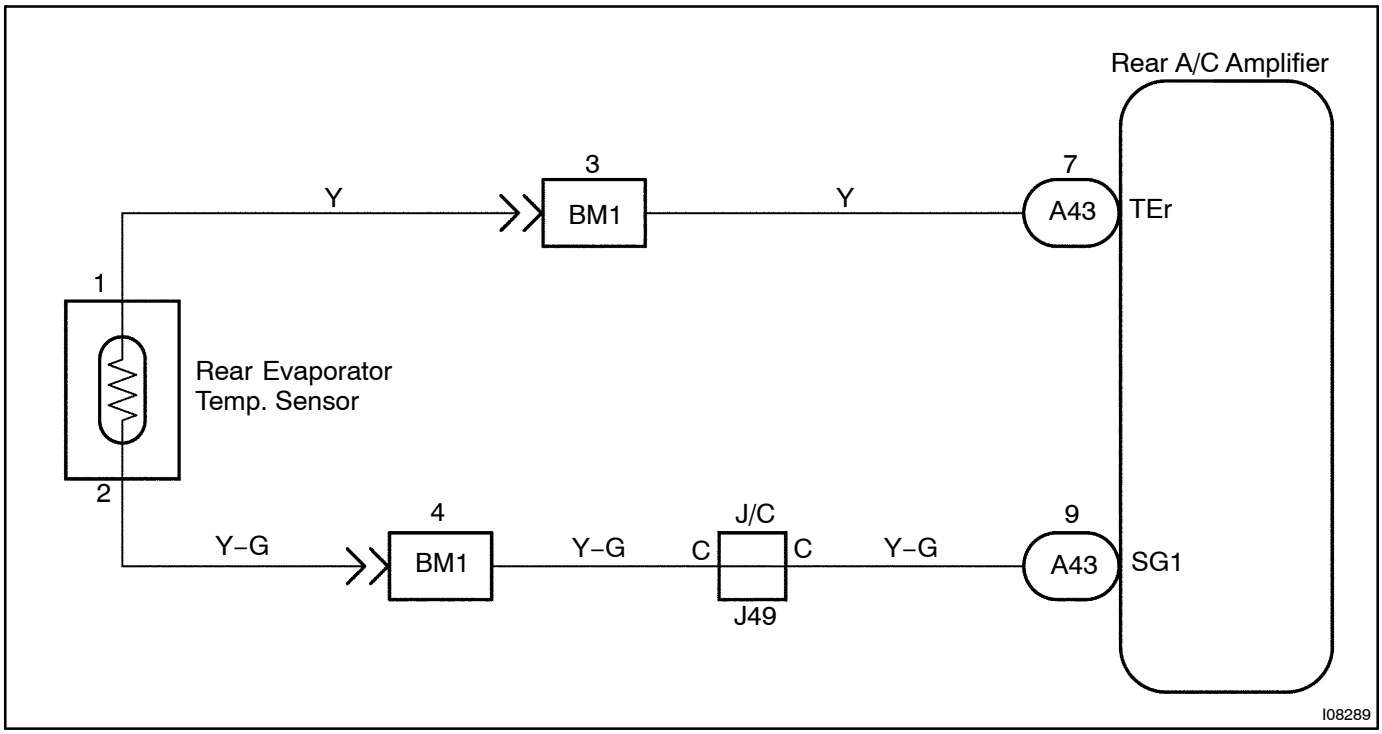
| DTC | RrACSW, FOOT | Rear Evaporator Temperature Sensor Circuit |
|---|---|---|

## CIRCUIT DESCRIPTION

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

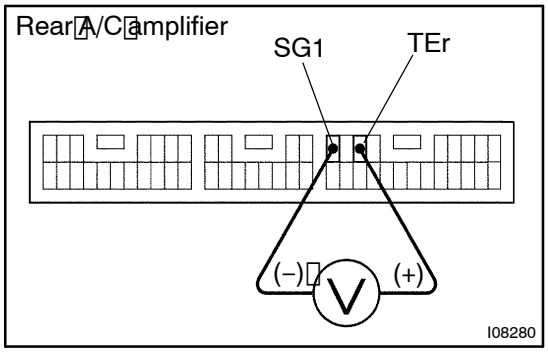
| Blinking light | Detection Item | Trouble Area |
|---|---|---|
| RrACSW FOOT | Open or short in rear evaporator temperature sensor circuit. | • Rear evaporator temperature sensor.<br>• Harness or connector between rear evaporator temperature sensor and A/C amplifier.<br>• Rear A/C amplifier |

## 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:

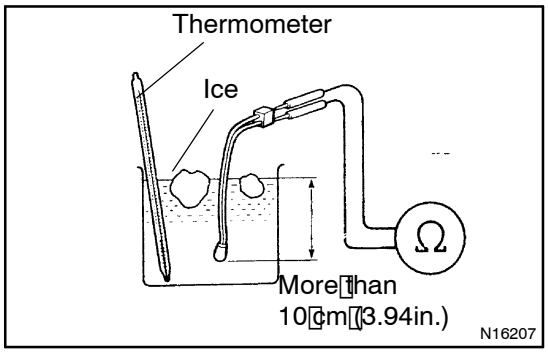
As the temperature increases, the voltage decreases.

| | |
|---|---|
| **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.**