DI90Q–01

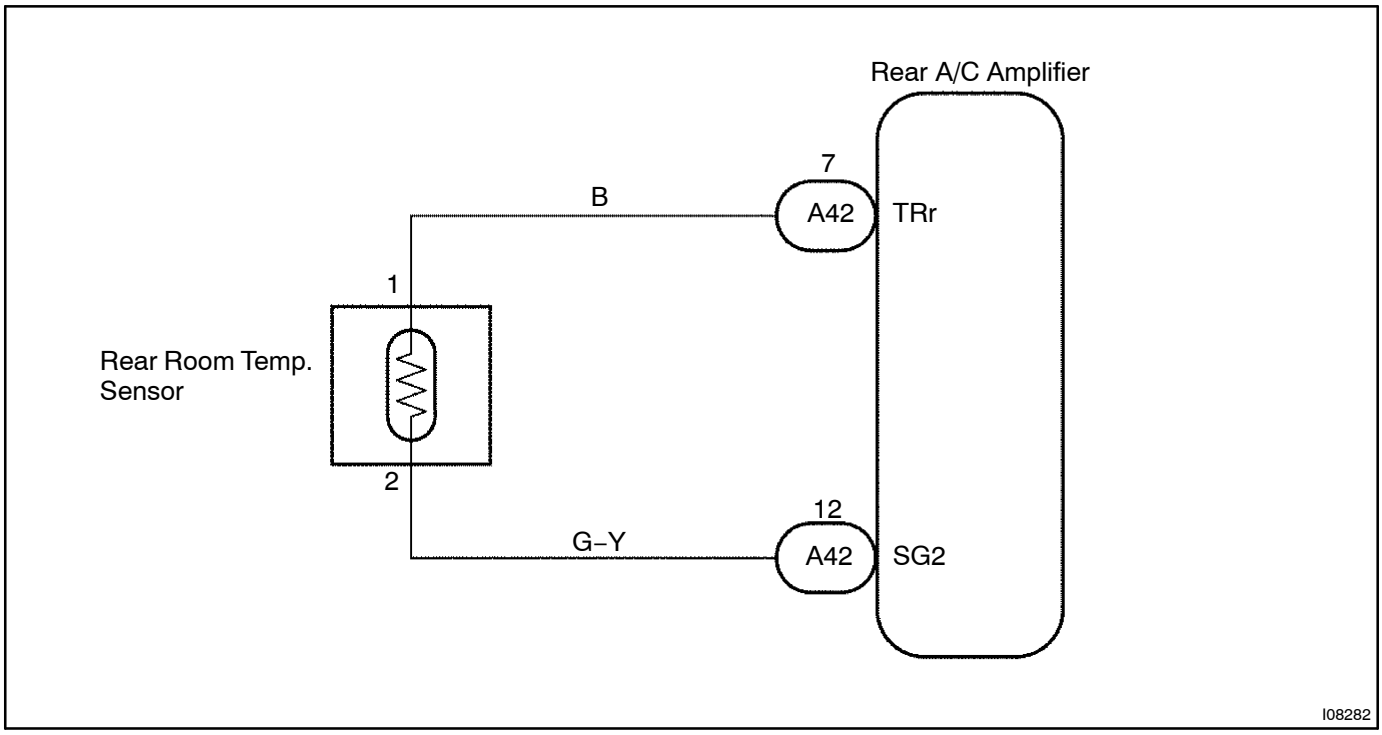
| DTC | RrACSW, FACE | Rear Room Temperature Sensor Circuit |
|---|---|---|

## CIRCUIT DESCRIPTION

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

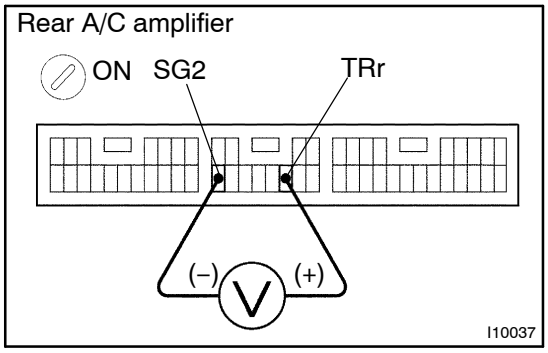
| Blinking light | Detection Item | Trouble Area |
|---|---|---|
| RrACSW, FACE | Open or short in rear room temperature sensor circuit. | • Rear room temperature sensor.<br>• Harness or connector between rear room temperature sensor and rear A/C amplifier.<br>• Rear A/C amplifier. |

## WIRING DIAGRAM



# INSPECTION PROCEDURE

| 1 | Check voltage between terminals TRr and SG2 of A/C amplifier connector. |
|---|---|



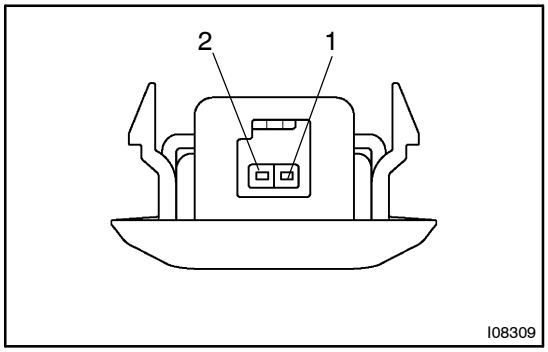

**PREPARATION:**
Remove rear A/C amplifier with connectors still connected.
**CHECK:**
(a) Turn ignition switch to ON.
(b) Measure voltage between terminals TRr and SG2 of rear A/C amplifier connector at each temperature.
**OK:**
**Voltage :**
**at 25°C (77°F) : 1.8 – 2.2 V**
**at 40°C (104°F) : 1.2 – 1.6 V**
HINT:
As the temperature increases, the voltage decreases.

| NG | Go to step 3. |
|---|---|

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 19 is displayed), check and replace A/C amplifier.**

| 2 | Check rear room temperature sensor. |
|---|---|




**PREPARATION:**
Disconnect rear room temperature sensor connector.
**CHECK:**
Measure resistance between terminals 1 and 2 of room temperature sensor connector at each temperature.
**OK:**
**Resistance :**
**at 25°C (77°F) : 1.65 – 1.75 kΩ**
**at 50°C (122°F) : 0.55 – 0.65 kΩ**
HINT:
As the temperature increases, the resistance decreases.

| NG | Replace rear room temperature sensor. |
|---|---|

OK

| | |
|---|---|
| 3 | **Check harness and connector between rear A/C amplifier and rear room temperature sensor (See page IN–34).** |

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

**OK**

**Check and replace A/C amplifier.**