DIAQY–01

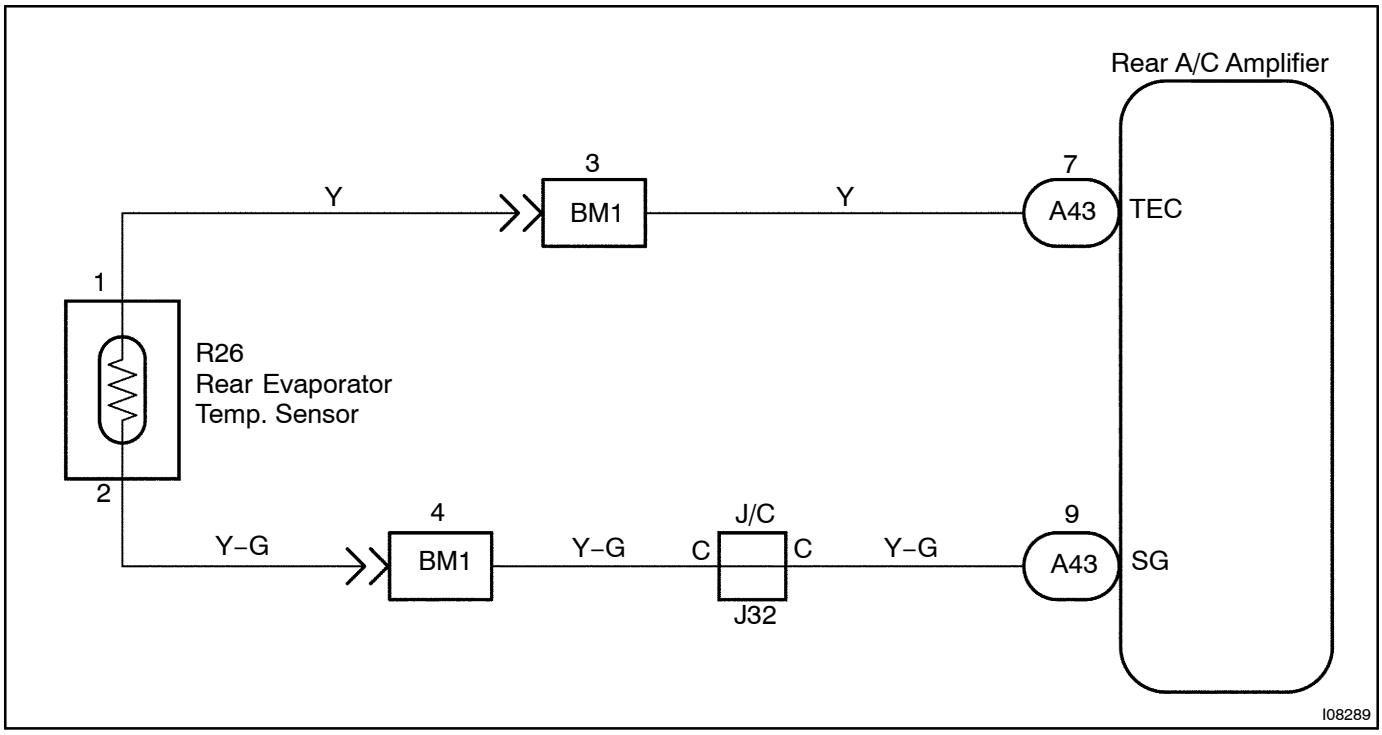
| DTC | 17 | Rear Evaporator Temperature Sensor Circuit |
|---|---|---|

## CIRCUIT DESCRIPTION

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

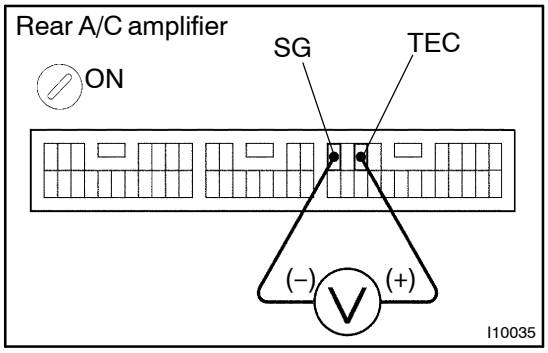
| DTC No. | Detection Item | Trouble Area |
|---|---|---|
| 17 | Open or short in rear evaporator temperature sensor circuit | • Rear evaporator temp. sensor<br>• Harness or connector between rear evaporator temp. sensor and rear A/C amplifier<br>• Rear A/C amplifier |

## WIRING DIAGRAM



# INSPECTION PROCEDURE

| 1 | Check voltage between terminals TEC and SG of rear A/C amplifier. |
|---|---|



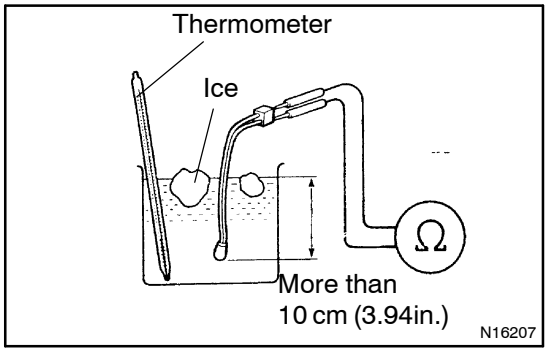

**PREPARATION:**
Remove rear A/C amplifier with connectors still connected.
**CHECK:**
(a) Turn ignition switch to ON.
(b) Measure voltage between terminals TEC and SG of rear A/C amplifier connector at each temperature.
**OK:**
**Voltage :**
**at 0°C (32°F) : 2.0 – 2.4 V**
**at 15°C (59°F) : 1.4 – 1.8 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–1238). However, if DTC 17 is displayed, 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 rear evaporator temperature sensor and A/C amplifier (See page IN–38).** |

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

**OK**

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