DIAQE–02

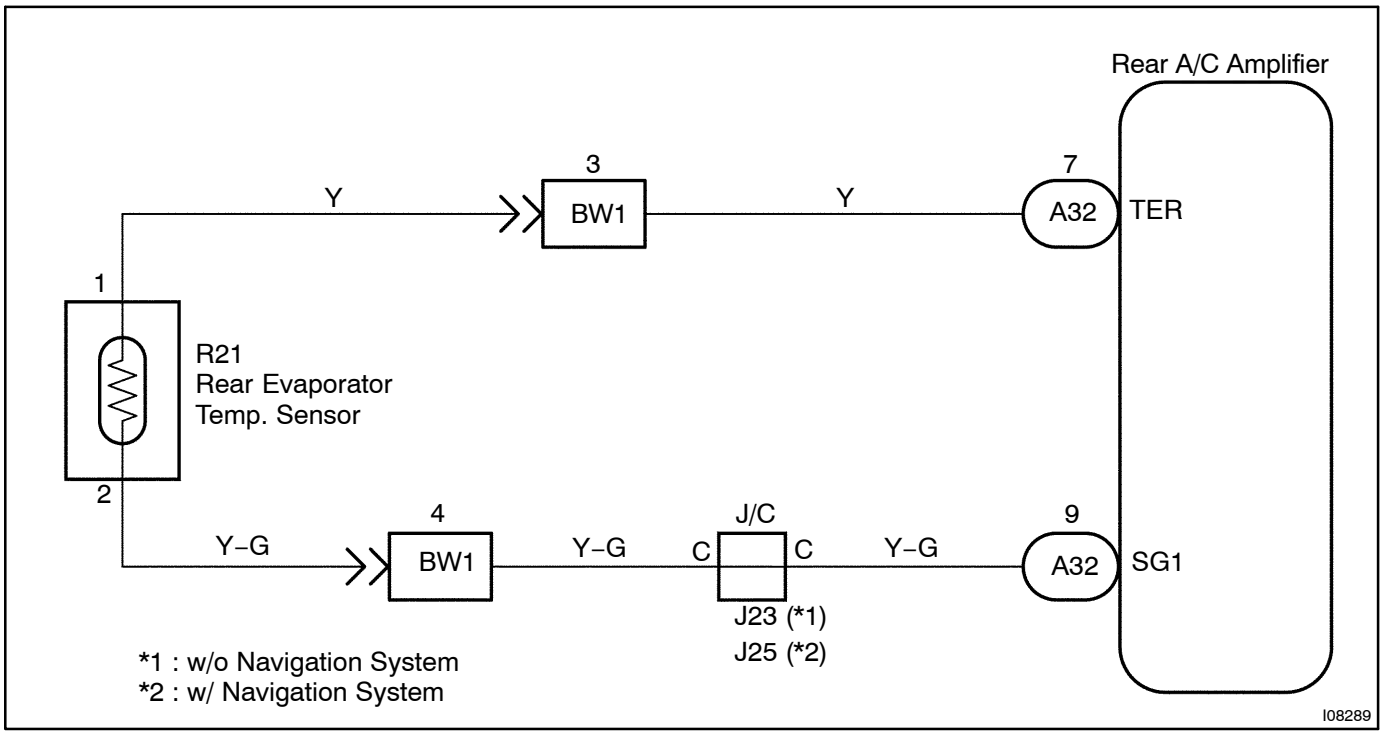
DTC	17	Rear Evaporator Temperature Sensor Circuit

CIRCUIT DESCRIPTION

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

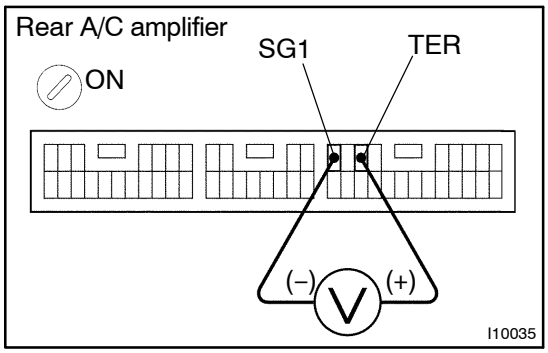
DTC No.	Detection Item	Trouble Area
17	Open or short in rear evaporator temperature sensor circuit	• Rear evaporator temp. sensor • Harness or connector between rear evaporator temp. sensor and rear A/C amplifier • Rear A/C amplifier

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check voltage between terminals TER and SG1 of rear A/C amplifier.



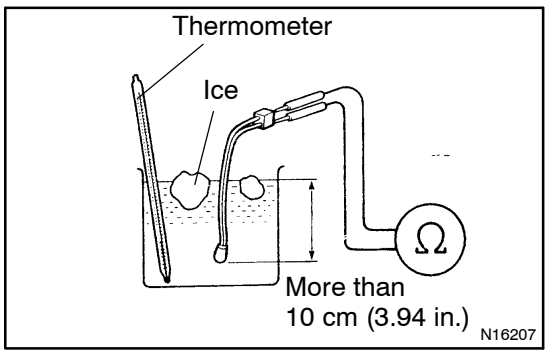
PREPARATION:
Remove rear A/C amplifier with connectors still connected.
CHECK:
(a) Turn ignition switch to ON.
(b) Measure voltage between terminals TER and SG1 of rear A/C amplifier connector at each temperature.
OK:
Voltage :
at 0°C (32°F) : 2.0 – 2.4 V
at 15°C (59°F) : 1.4 – 1.8 V
HINT:
As the temperature increases, the voltage decreases.

NG	Go to step 2.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI–1315). However, if DTC 17 is displayed, check and replace A/C amplifier.

2	Check rear evaporator temperature sensor.



PREPARATION:
Remove rear evaporator temperature sensor.
(See page AC–34).
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–36).**

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

OK

Check and replace A/C amplifier.