DIAR3-01

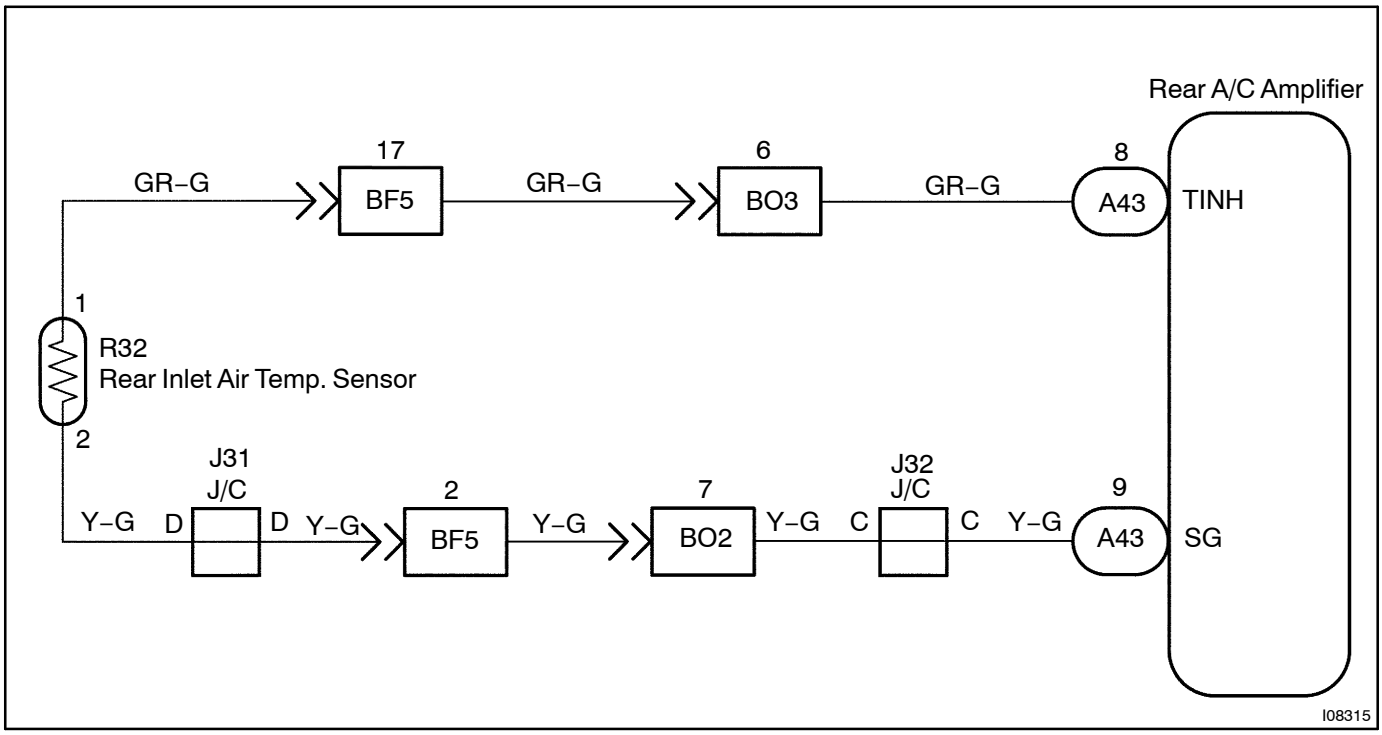
DTC	26	Rear Inlet Air Temperature Sensor Circuit

CIRCUIT DESCRIPTION

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

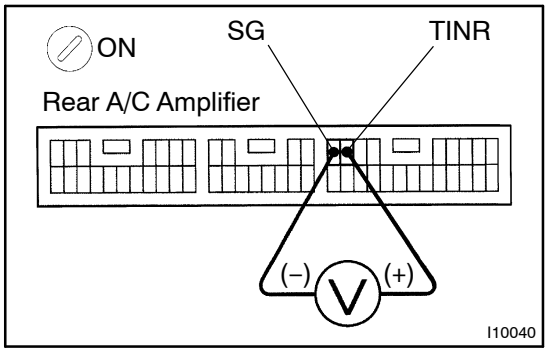
DTC No.	Detection Item	Trouble Area
26	Open or short in rear inlet air temperature sensor circuit.	• Rear inlet air temp. sensor • Harness or connector between rear inlet air temp. sensor and rear A/C amplifier • Rear A/C amplifier

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check voltage between terminals TINR 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 TINR and SG 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:

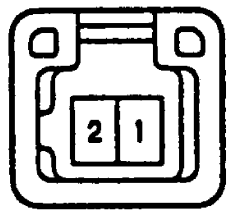
As the temperature increases, the voltage decreases.

NG → **Go to step 2.**

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI–1238). However, if DTC 26 is display, check and replace rear A/C amplifier.

2	Check rear inlet air temperature sensor.



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PREPARATION:
Disconnect rear inlet air temperature sensor connector.
CHECK:
Measure resistance between terminals 1 and 2 of rear inlet air 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 inlet air temperature sensor.**

OK ↓

3	Check harness and connector between rear inlet air temperature sensor and A/C amplifier (See page IN–38).

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

OK ↓

Check and replace rear A/C amplifier.