

DIAR3-01

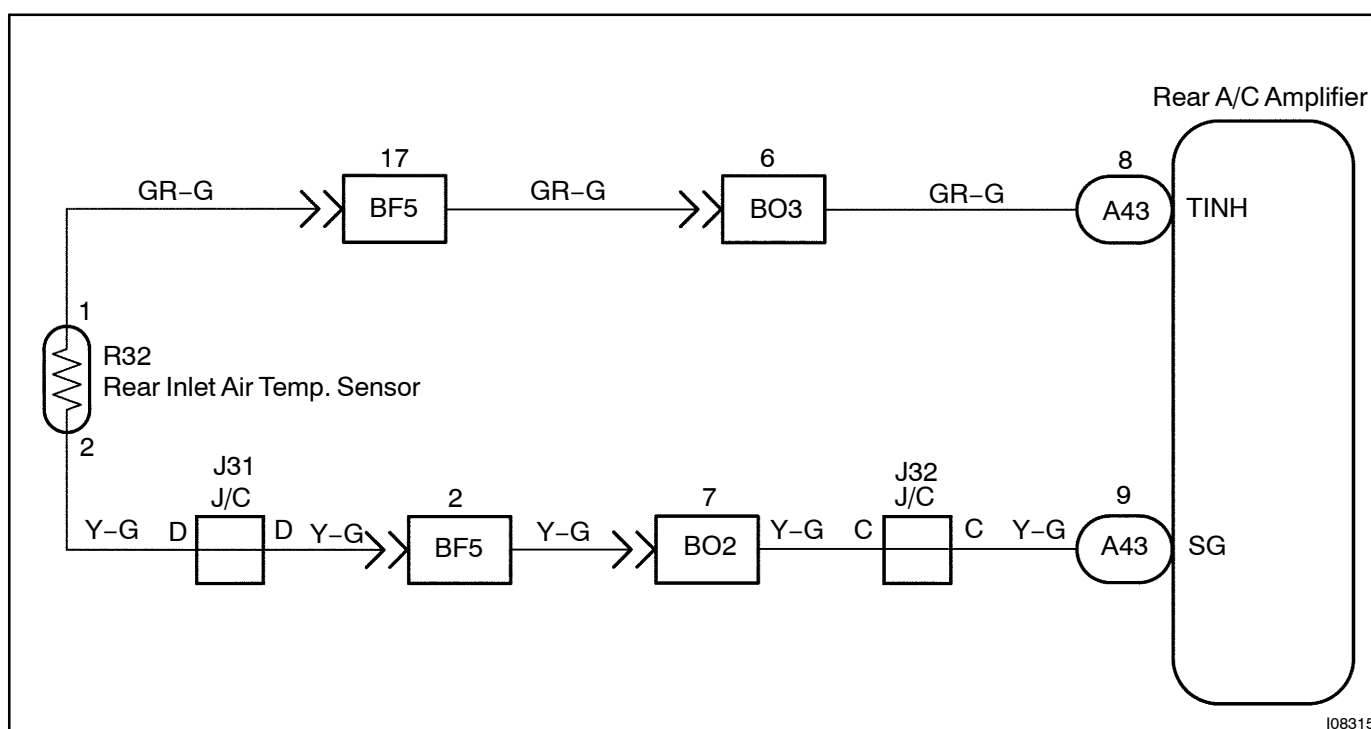
<b>DTC</b>	<b>26</b>	<b>Rear Inlet Air Temperature Sensor Circuit</b>
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## CIRCUIT DESCRIPTION

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.	<ul style="list-style-type: none"> <li>• Rear inlet air temp. sensor</li> <li>• Harness or connector between rear inlet air temp. sensor and rear A/C amplifier</li> <li>• Rear A/C amplifier</li> </ul>

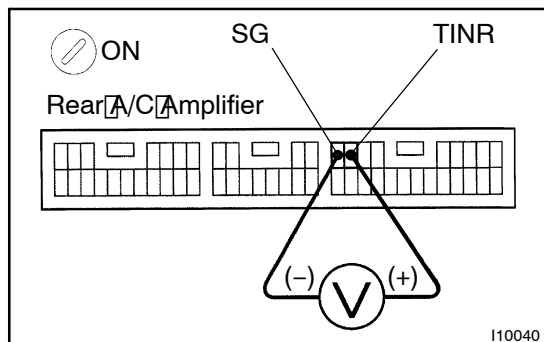
## WIRING DIAGRAM



I08315

## 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:**

- Turn ignition switch to ON.
- 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 – 2.2V

at 40°C (104°F) 1.2 – 1.6V

**HINT:**

As the temperature increases, the voltage decreases.

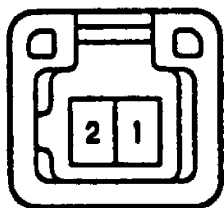
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Go to step 2.

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.

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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).

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Repair or replace harness or connector.

OK

Check and replace rear A/C amplifier.