

DTC	RrACSW, HI	Rear Inlet Air Temperature Sensor Circuit
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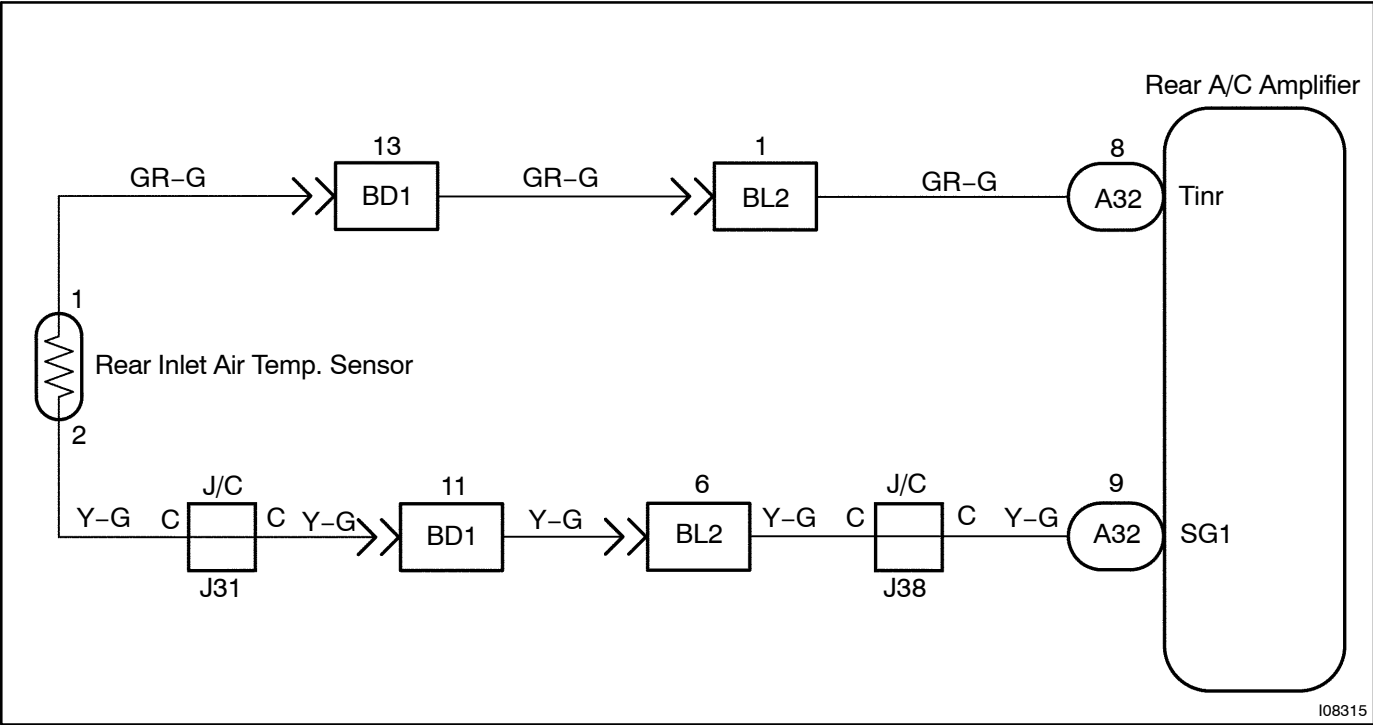
DTC	26	Rear Inlet Air Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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

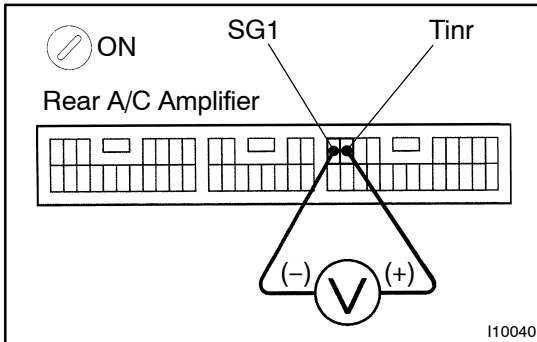
Blinking light	Detection Item	Trouble Area
RrACSW, HI	Open or short in rear inlet air temperature sensor circuit.	• Rear inlet air temperature sensor • Harness or connector between rear inlet air temperature sensor and rear A/C amplifier • Rear A/C amplifier
DTC No.	Detection Item	Trouble Area
26	Open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

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check voltage between terminals Tinr and SG1 of rear A/C amplifier connector.
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**PREPARATION:**

Remove rear A/C amplifier with connectors still connected.

CHECK:

- (a) Turn ignition switch to ON.
- (b) Measure voltage between terminals Tinr and SG1 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.

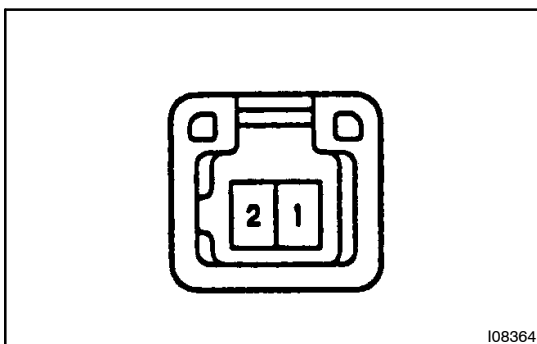
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Go to step 2.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-891](#)). However, if RrACSW and HI indicators light up (or DTC 26 is displayed), 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 A/C amplifier and inlet air temperature sensor (See page IN-34).
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Repair or replace harness or connector.

OK

Check and replace rear A/C amplifier.