

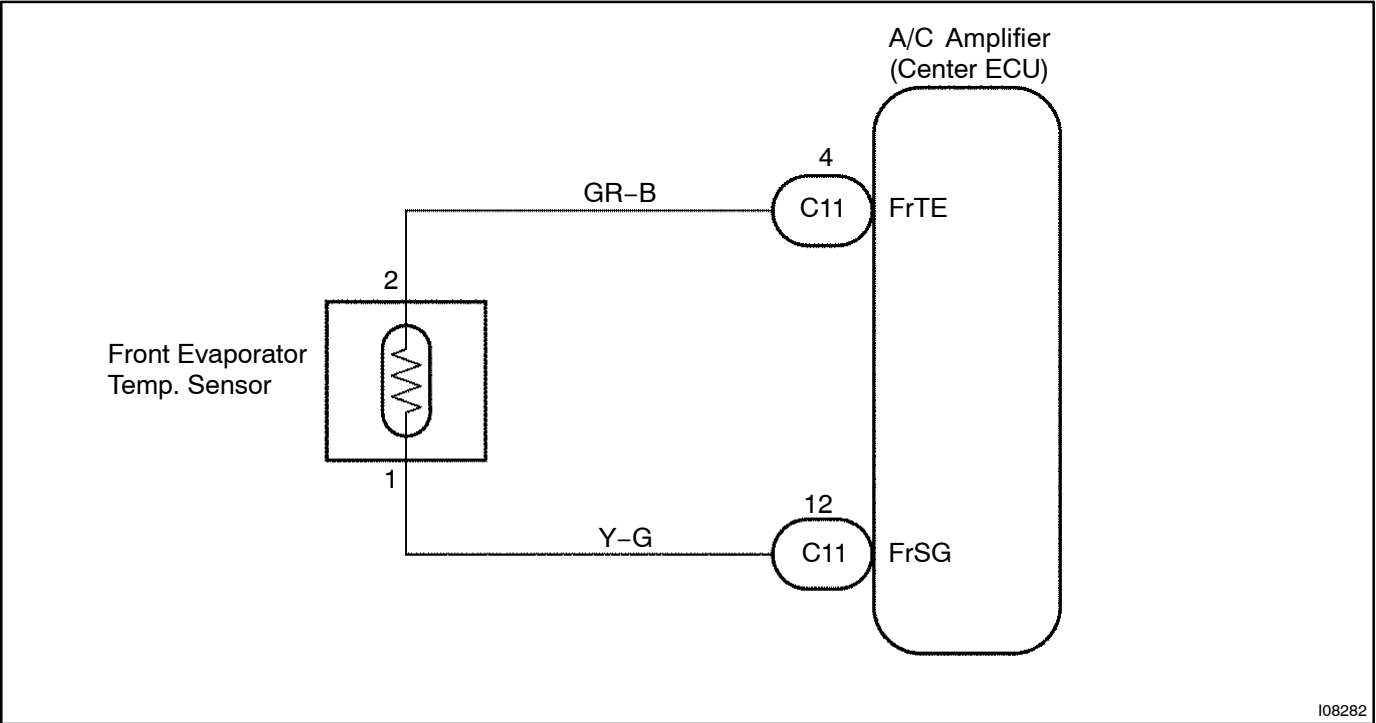
| | | |
|-----|-------------|---|
| DTC | RrDEF, FOOT | Front Evaporator Temperature Sensor circuit |
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CIRCUIT DESCRIPTION

This sensor detects the temperature inside the cooling unit and sends the appropriate signals to the A/C amplifier.

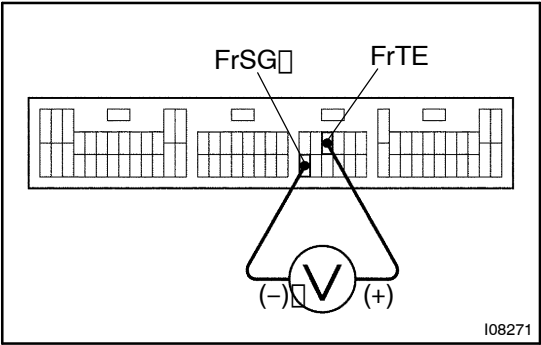
| | | |
|----------------|---|---|
| Blinking light | Detection Item | Trouble Area |
| RrDEF FOOT | Open or short in front evaporator temperature sensor circuit. | <ul style="list-style-type: none">• Front evaporator temperature sensor.• Harness or connector between front evaporator temperature sensor and A/C amplifier.• A/C amplifier. |

WIRING DIAGRAM



INSPECTION PROCEDURE

| | |
|---|---|
| 1 | Check voltage between terminals FrTE and FrSG of A/C amplifier connector. |
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PREPARATION:

Remove A/C amplifier with connectors still connected.

CHECK:

- (a) Turn ignition switch ON.
- (b) Measure voltage between terminals FrTE and FrSG of A/C amplifier connector at each temperature.

OK:

Voltage

at 0°C (32°F) 2.0 - 2.4V

at 15°C (59°F) 1.4 - 1.8V

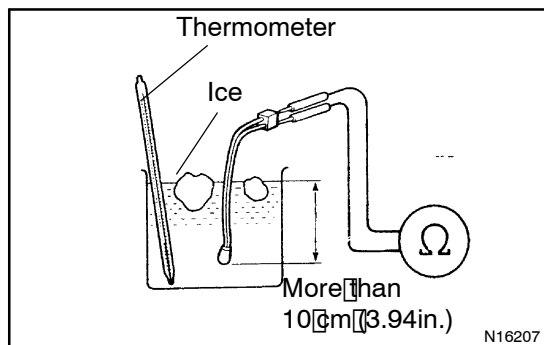
HINT:

As the temperature increases, the voltage decreases.

| | |
|----|---------------|
| NG | Go to step 2. |
|----|---------------|

OK

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| <p>Proceed to next circuit inspection shown on problem symptoms table (See page DI-859). However, if RrDEF and FOOT is light up, check and replace A/C amplifier.</p> |
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2 Check front evaporator temperature sensor.**PREPARATION:**

Remove front evaporator temperature sensor (See page AC-37).

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 front evaporator temperature sensor.****OK****3 Check harness and connector between A/C amplifier and front evaporator temperature sensor (See page IN-35).****NG****Repair or replace harness or connector.****OK****Check and replace A/C amplifier.**