

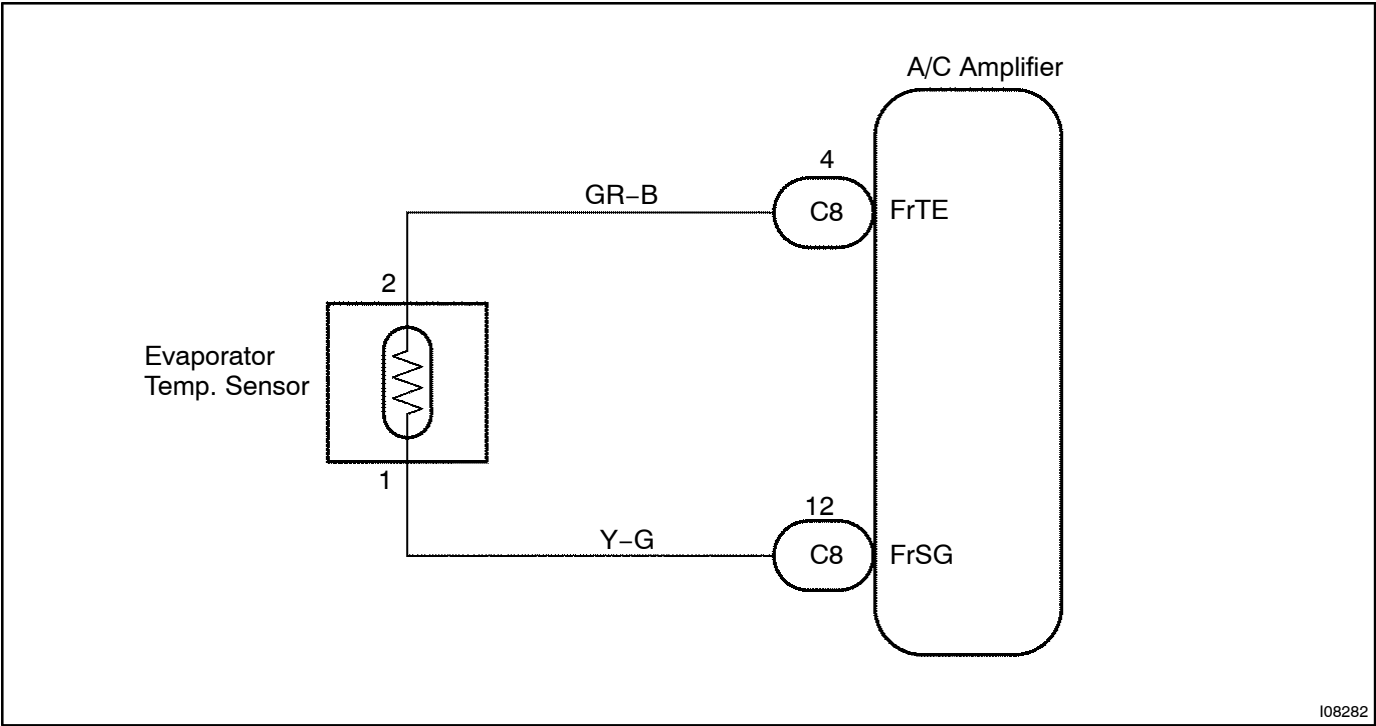
DTC	RrDEF, FOOT	Evaporator Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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 evaporator temperature sensor circuit.	• Evaporator temperature sensor • Harness or connector between evaporator temperature sensor and A/C amplifier • A/C amplifier

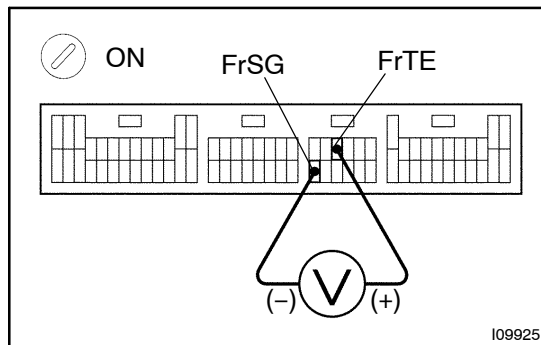
WIRING DIAGRAM



I08282

INSPECTION PROCEDURE

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

**PREPARATION:**

Remove A/C amplifier with connectors still connected.

CHECK:

- (a) Turn ignition switch to 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 – 2.4 V

at 15°C (59°F) : 1.4 – 1.8 V

HINT:

As the temperature increases, the voltage decreases.

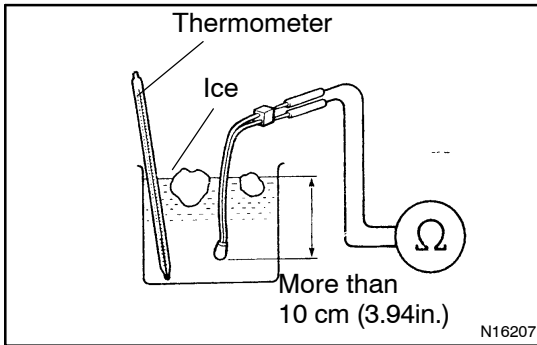
NG

Go to step 2.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-771](#)). However, if RrDEF and FOOT indicators light up, check and replace A/C amplifier.

2 Check evaporator temperature sensor.



PREPARATION:

Remove evaporator temperature sensor
(See page [AC-23](#)).

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 evaporator temperature sensor.

OK

3 Check harness and connector between A/C amplifier and evaporator temperature sensor (See page [IN-34](#)).

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Repair or replace harness or connector.

OK

Check and replace A/C amplifier.