

DTC	RrDEF, B/L	Ambient Temperature Sensor Circuit
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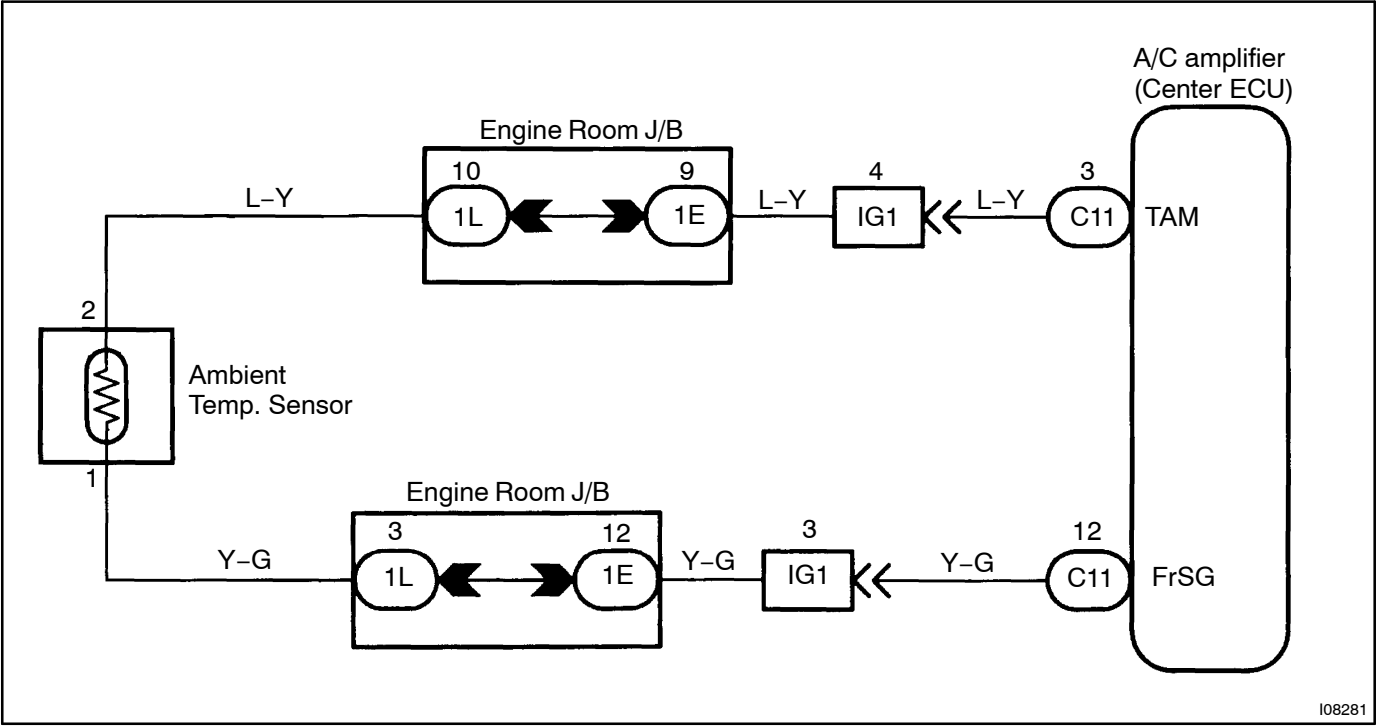
DTC	12	Ambient Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

This sensor detects the ambient temperature and sends the appropriate signals to the A/C amplifier.

Blinking light	Detection Item	Trouble Area
RrDEF B/L	Open or short in ambient temperature sensor circuit.	<ul style="list-style-type: none"> • Ambient temperature sensor • Harness or connector between ambient temperature sensor and A/C amplifier • A/C amplifier
DTC No.	Detection Item	Trouble Area
12	Open or short in ambient temperature sensor circuit.	<ul style="list-style-type: none"> • Ambient temperature sensor • Harness or connector between ambient temperature sensor and A/C amplifier • A/C amplifier

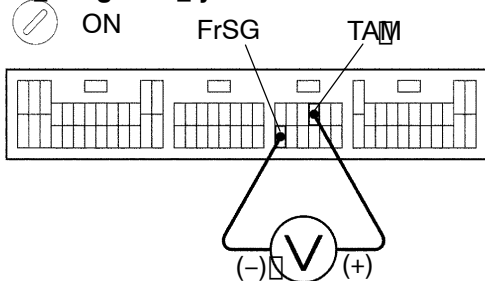
WIRING DIAGRAM



INSPECTION PROCEDURE

1 Check voltage between terminals TAM and FrSG (or SG) of A/C amplifier.

w/o Navigation system:



109924

PREPARATION:

Remove A/C amplifier with connectors still connected.

CHECK:

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

OK:**Voltage**

at 25°C (77°F) 1.35 – 1.75V

at 40°C (104°F) 0.85 – 1.25V

HINT:

As the temperature increases, the voltage decreases.

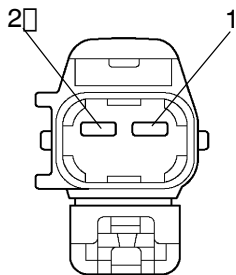
NG

Go to step 2.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI-130). However, if RrDEF and B/L indicators light up (or DTC 12 displayed), check and replace A/C amplifier.

2 Check ambient temperature sensor.



108311

PREPARATION:

Disconnect ambient temperature sensor connector.

CHECK:

Measure resistance between terminals 1 and 2 of ambient temperature sensor connector at each temperature.

OK:

Resistance

at 25°C (77°F) 1.6 – 1.8 kΩ

at 50°C (122°F) 0.5 – 0.7 kΩ

HINT:

As the temperature increases, the resistance decreases.

NOTICE:

When installing the ambient temperature sensor, be sure to connect the sensor connector before connecting the battery.

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Replace ambient temperature sensor.

OK

3 Check harness and connector between ambient temperature sensor and A/C amplifier (See page N-34).

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Repair or replace harness or connector.

OK

Check and replace and A/C amplifier.