

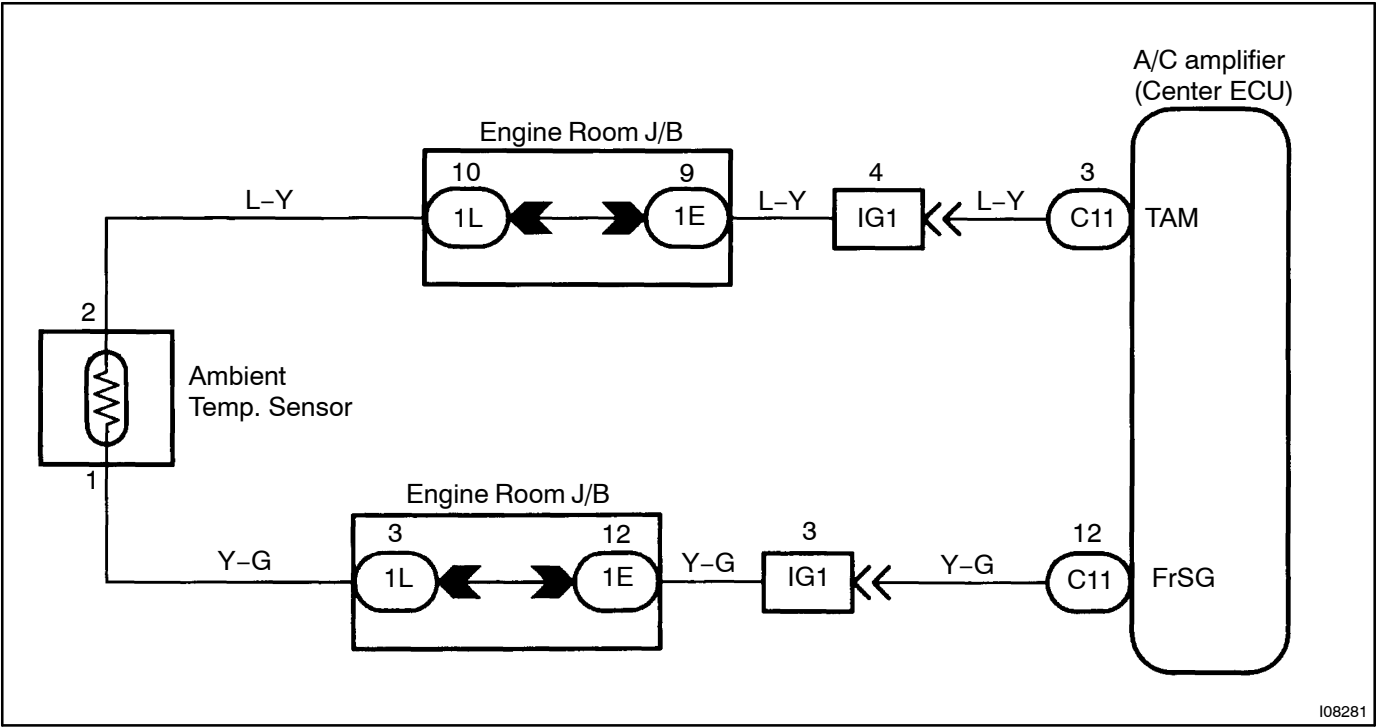
DTC	RrDEF, B/L	Ambient Temperature Sensor Circuit
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CIRCUIT DESCRIPTION

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

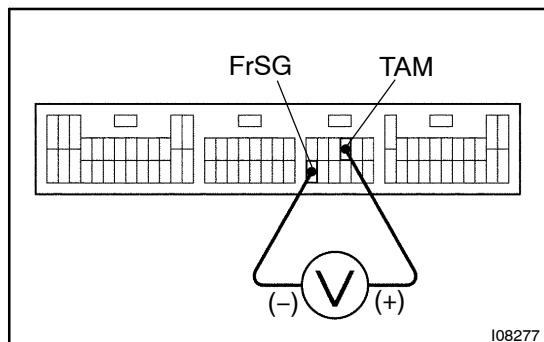
WIRING DIAGRAM



108281

INSPECTION PROCEDURE

1 Check voltage between terminals TAM and FrSG of A/C amplifier.

**PREPARATION:**

Remove A/C amplifier with connectors still connected.

CHECK:

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

OK:**Voltage :**

at 25° C (77° F) : 1.3 – 1.8 V

at 40° C (104° F) : 0.8 – 1.3 V

HINT:

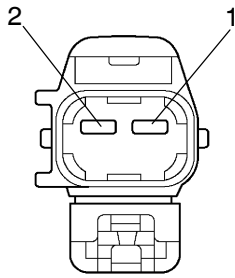
As the temperature increases, the voltage decreases.

NG

Go to step 2.

OK

Proceed to next circuit inspection shown on problem symptoms table ([See page DI-859](#)). However, if RrDEF and B/L indicator light is light up, check and replace A/C amplifier.

2 Check ambient temperature sensor.**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.

NG**Replace ambient temperature sensor.****OK****3 Check harness and connector between ambient temperature sensor and A/C amplifier (Center ECU)([See page IN-35](#)).****NG****Repair or replace harness or connector.****OK****Check and replace and A/C amplifier.**