

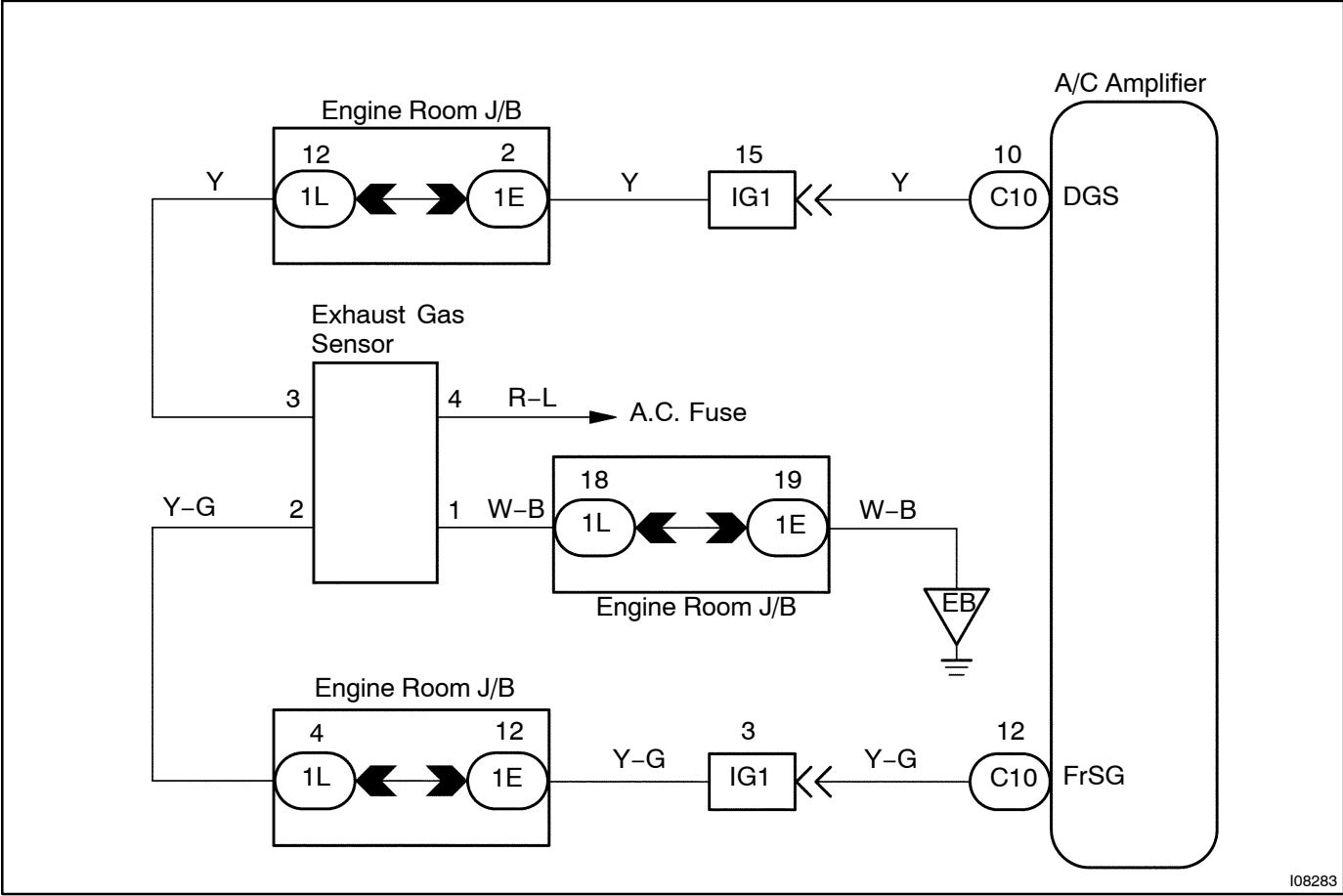
DTC	18	Exhaust gas sensor circuit
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CIRCUIT DESCRIPTION

This sensor detects the exhaust gas outside the vehicle and sends signal to the A/C control assembly.

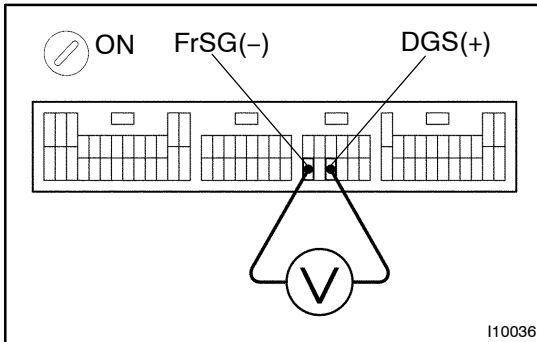
DTC No.	Detection Item	Trouble Area
18	Open or short in exhaust gas sensor circuit	- Exhaust gas sensor - Harness or connector between exhaust gas sensor and A/C amplifier - A/C amplifier

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Check voltage between terminals DGS and FrSG of A/C Amplifier.



PREPARATION:

Remove A/C amplifier with connectors still connected.

CHECK:

- Turn ignition switch to ON.
- Check voltage between terminals DGS and FrSG of A/C amplifier assembly connector at the temperature.

OK:

Voltage:

1.0 – 4.5 V at 10 – 35 °C (50 – 95 °F)

HINT:

When the sensor is exposed to the exhaust gas, the voltage goes down.

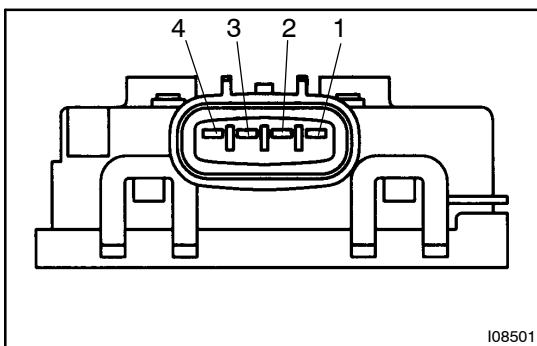
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Go to step 2.

OK

Proceed to next circuit inspection shown on problem symptom table (See page [DI-777](#)). However, if DTC 18 is displayed, check and replace A/C amplifier.

2 Check exhaust gas sensor resistance



PREPARATION:

Remove the exhaust gas sensor (See page [AC-91](#)).

CHECK:

- Connect positive (+) lead from the battery to the terminal 4 and negative (-) lead to terminal 1.
- After keeping to apply battery positive voltage between terminals 1 and 4 for more than 30 seconds, measure resistance between terminals 2 and 3.

OK:

Resistance:

5 – 100 kΩ at 10 – 35 °C (50 – 95 °F)

HINT:

When the sensor is exposed to the exhaust gas, the resistance goes down.

NG

Replace exhaust gas sensor.

OK

3	Check harness and connector between A/C amplifier and exhaust gas sensor.
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NG**Repair or replace harness for connector.****OK****Check and replace A/C amplifier.**