

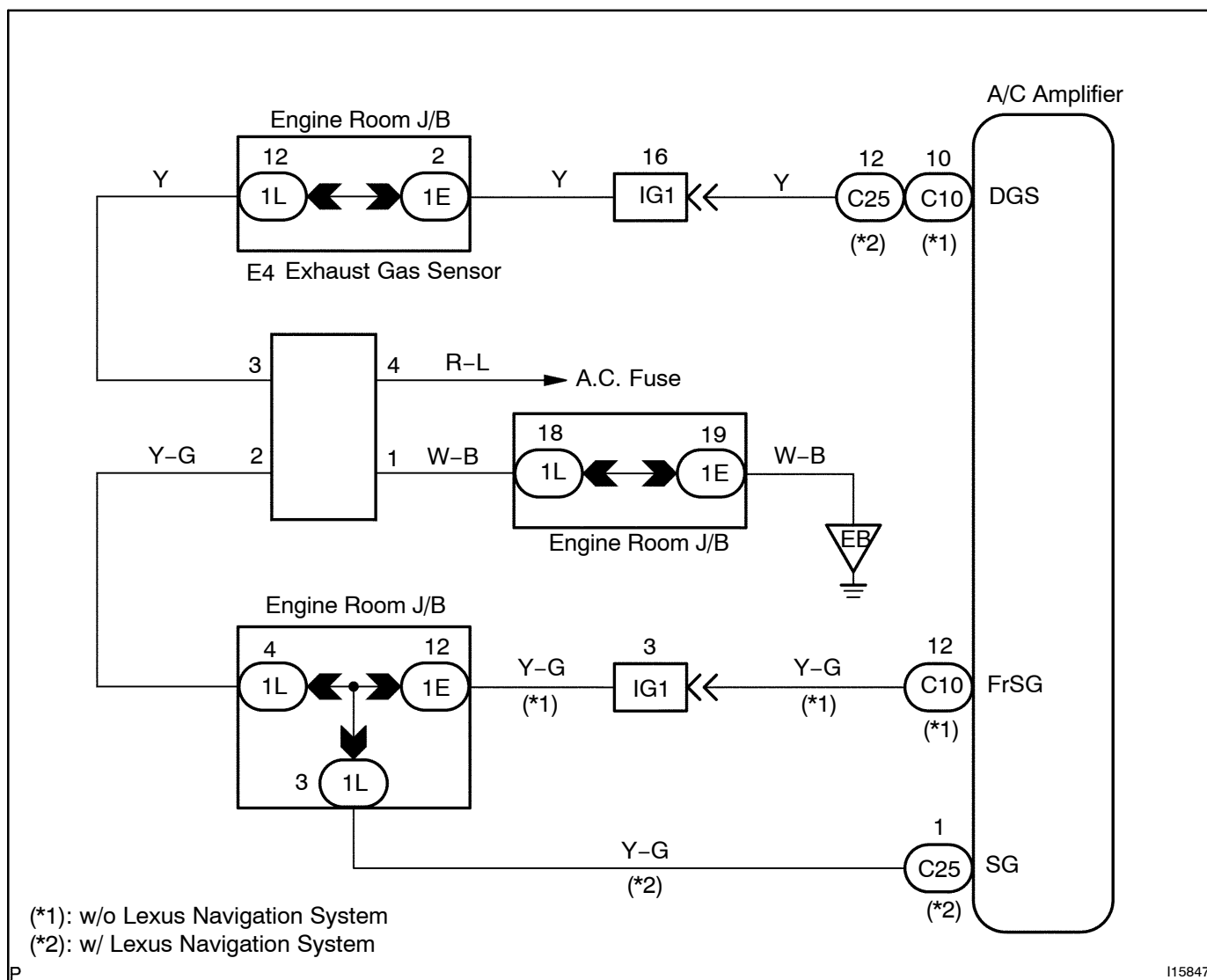
DTC	18	Exhaust gas sensor circuit
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CIRCUIT DESCRIPTION

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

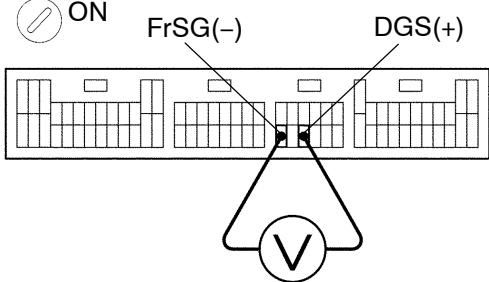
WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check voltage between terminals DGS and FrSG of A/C Amplifier.
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w/o Lexus navigation system:



I10036

PREPARATION:

Remove A/C amplifier with connectors still connected.

CHECK:

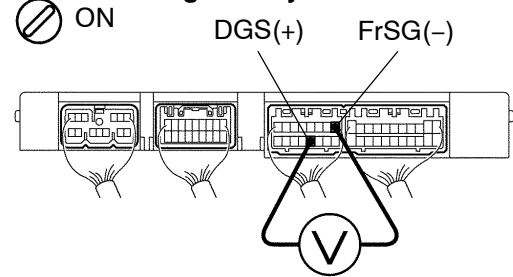
- (a) Turn ignition switch to ON.
- (b) Check voltage between terminals DGS and FrSG of A/C amplifier assembly connector at the temperature.

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.

NG**Go to step 2.**

w/ Lexus navigation system:

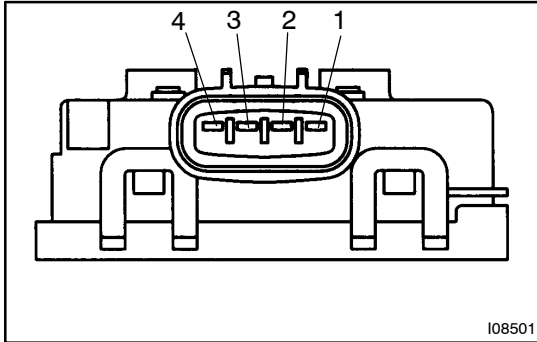


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I15849

OK

Proceed to next circuit inspection shown on problem symptom table (See page [DI-956](#)). 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:

- (a) Connect positive (+) lead from the battery to the terminal 4 and negative (–) lead to terminal 1.
- (b) 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.****NG****Repair or replace harness for connector.****OK****Check and replace A/C amplifier.**