

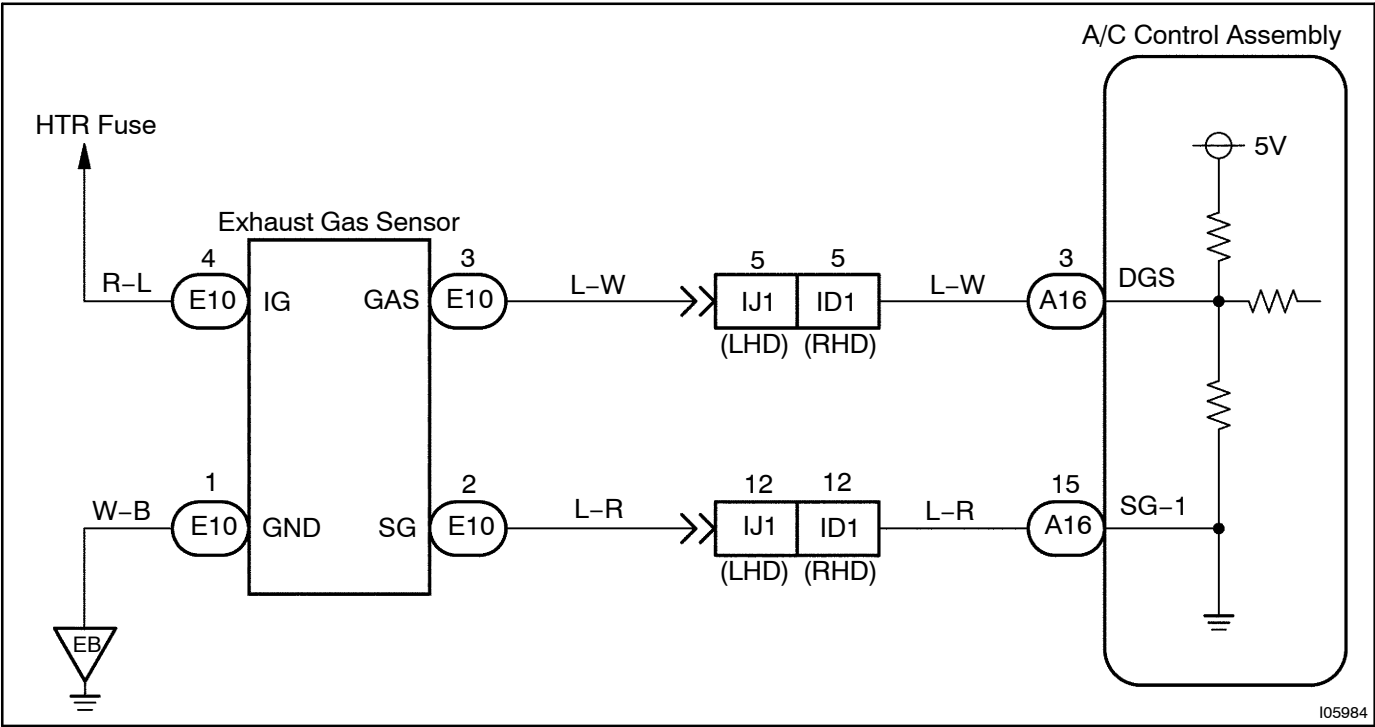
DTC	B1418/18	Exhaust gas sensor circuit
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CIRCUIT DESCRIPTION

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

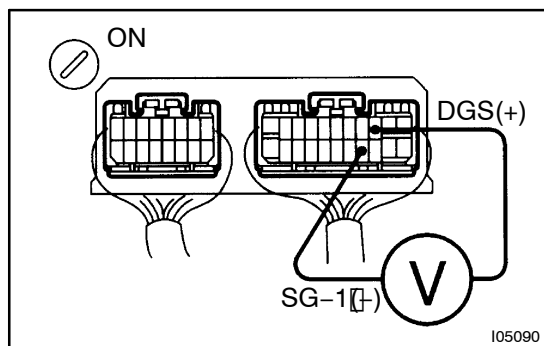
DTC No.	Detection Item	Trouble Area
B1418/18	Short in exhaust gas sensor circuit	<ul style="list-style-type: none">Exhaust gas sensorHarness or connector between exhaust gas sensor and A/C control assemblyA/C control assembly

WIRING DIAGRAM



INSPECTION PROCEDURE

- 1 Check voltage between terminals DGS and SG-1 of A/C control assembly.

**PREPARATION:**

Remove A/C control assembly with connectors still connected.

CHECK:

- Turn ignition switch ON.
- After continuing to turn ignition switch ON for more than 30 seconds, check voltage between terminals DGS and SG-1 of A/C control assembly connector at the temperature.

OK:**Voltage:**

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

HINT:

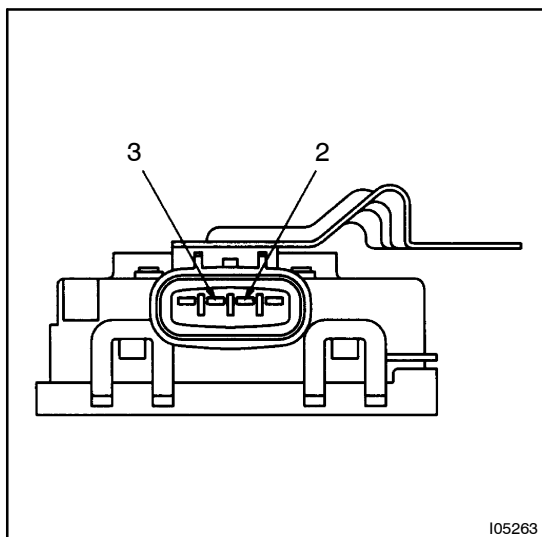
When the sensor is exposed to the exhaust gas, the voltage goes down.

NG

Go to step 2

OK

Proceed to next circuit inspection shown on problem symptom table (See page DI-912). However, if DTC B1418/18 is displayed, check and replace A/C control assembly.

2 Check exhaust gas sensor resistance**PREPARATION:**

Remove the exhaust gas sensor (See page AC-78).

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 V 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 control assembly and exhaust gas sensor.****NG****Repair or replace harness for connector.****OK****Check and replace A/C control assembly.**