

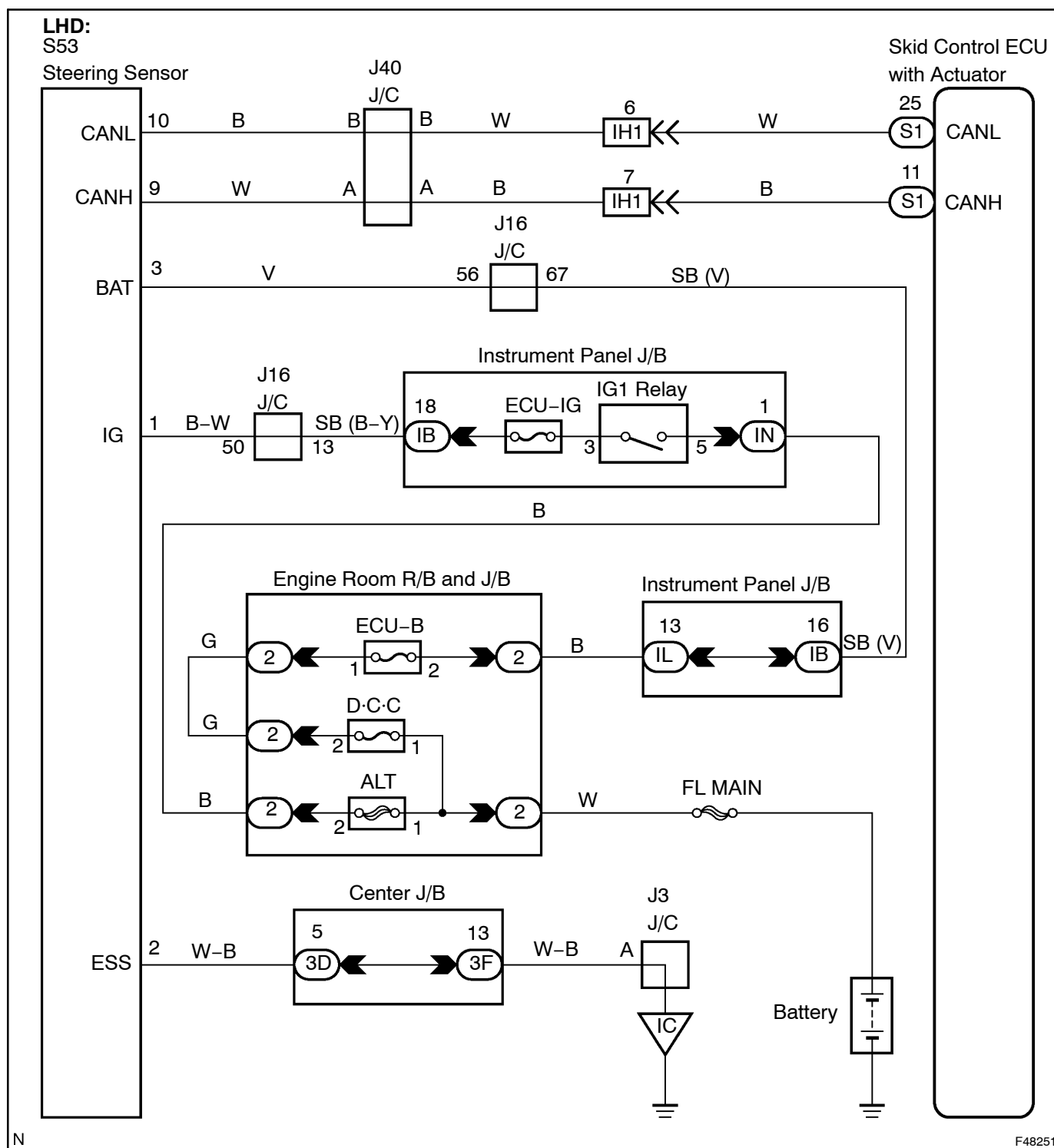
DTC	C1231/31	MALFUNCTION IN STEERING ANGLE SENSOR CIRCUIT
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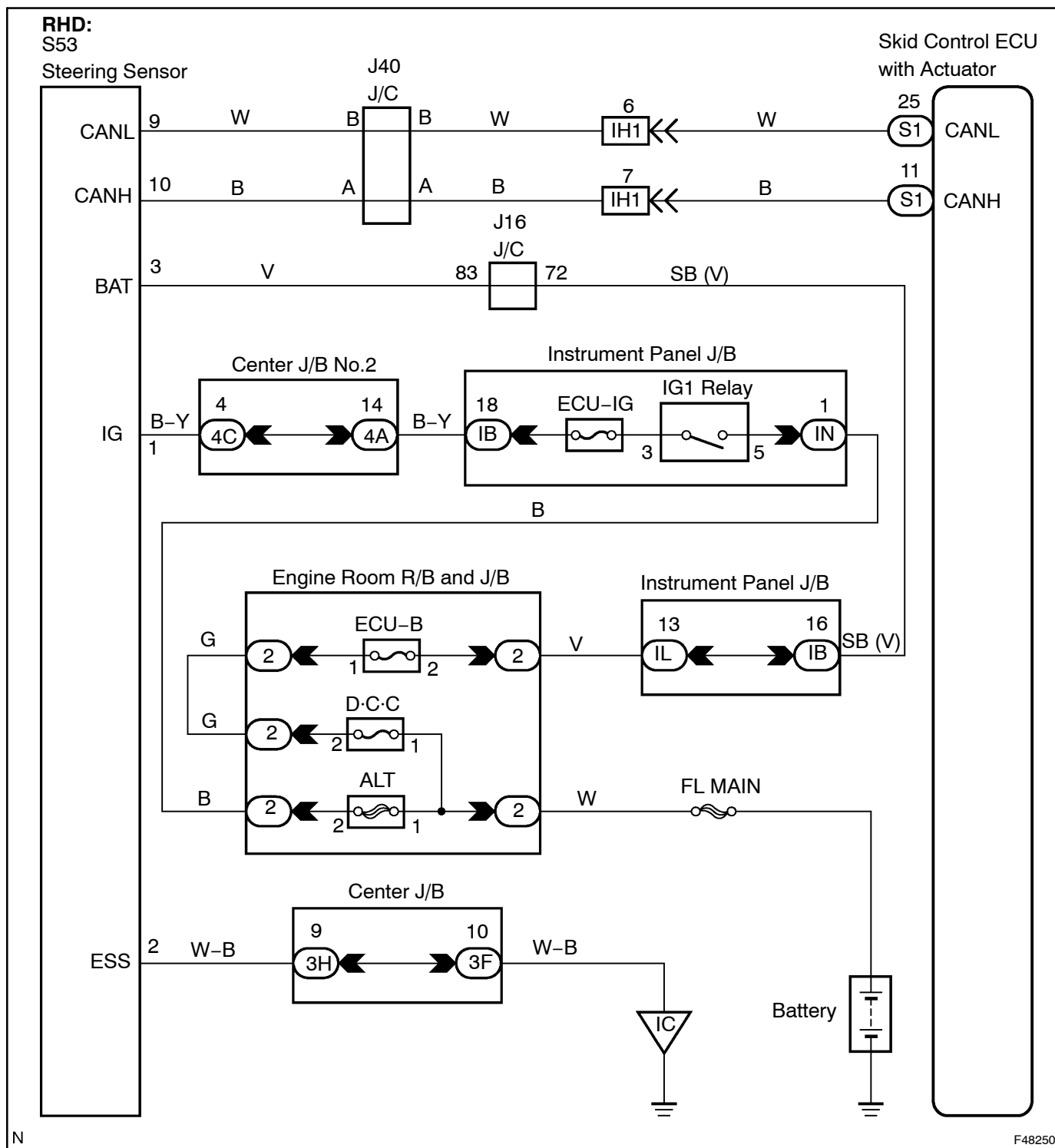
CIRCUIT DESCRIPTION

The steering angle sensor signal is sent to the skid control ECU through the CAN communication system. When there is a malfunction in the communication, it will be detected by the diagnosis function.

DTC No.	DTC Detecting Condition	Trouble Area
C1231/31	When ECU IG1 terminal voltage is 9.5 V or more, the steering angle sensor malfunction signal is received.	<ul style="list-style-type: none">• Steering angle sensor• Steering angle sensor circuit• Steering angle sensor power supply• CAN communication system

WIRING DIAGRAM





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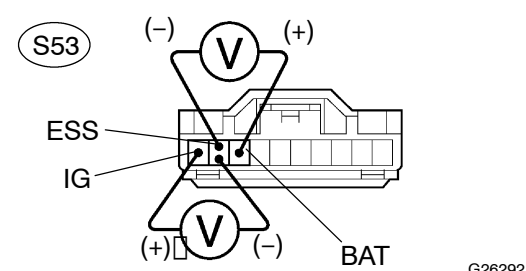
INSPECTION PROCEDURE

HINT:

- When U0121/94, U0123/62, U0124/95 or U0126/63 is output together with C1231/31, inspect and repair the trouble areas indicated by those DTCs first.
- When the speed sensor or the yaw rate sensor has trouble, DTCs for the steering angle sensor may be output even when the steering angle sensor is normal. When DTCs for the speed sensor (C0200/31, C0205/32, C0210/33, C0215/34, C1235/35, C1236/36, C1238/38, C1239/39) or yaw rate and deceleration sensor (C1232/32, C1234/34, C1243/43, C1244/44, C1245/45, C1381/81) are output together with other DTCs for the steering angle sensor, inspect and repair the speed sensor and yaw rate sensor first, and then inspect and repair the steering angle sensor.

1 CHECK TERMINAL VOLTAGE (STEERING ANGLE SENSOR CONNECTOR)

Steering Angle Sensor:



- Remove the steering wheel and the column lower cover.
- Disconnect the steering angle sensor S53 connector.
- Turn the ignition switch to the ON position.
- Measure the voltage according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
S53-1 (IG) - S53-2 (ESS)	10 to 14 V
S53-3 (BAT) - S53-2 (ESS)	10 to 14 V

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE STEERING ANGLE SENSOR (SEE PAGE 32-23)