

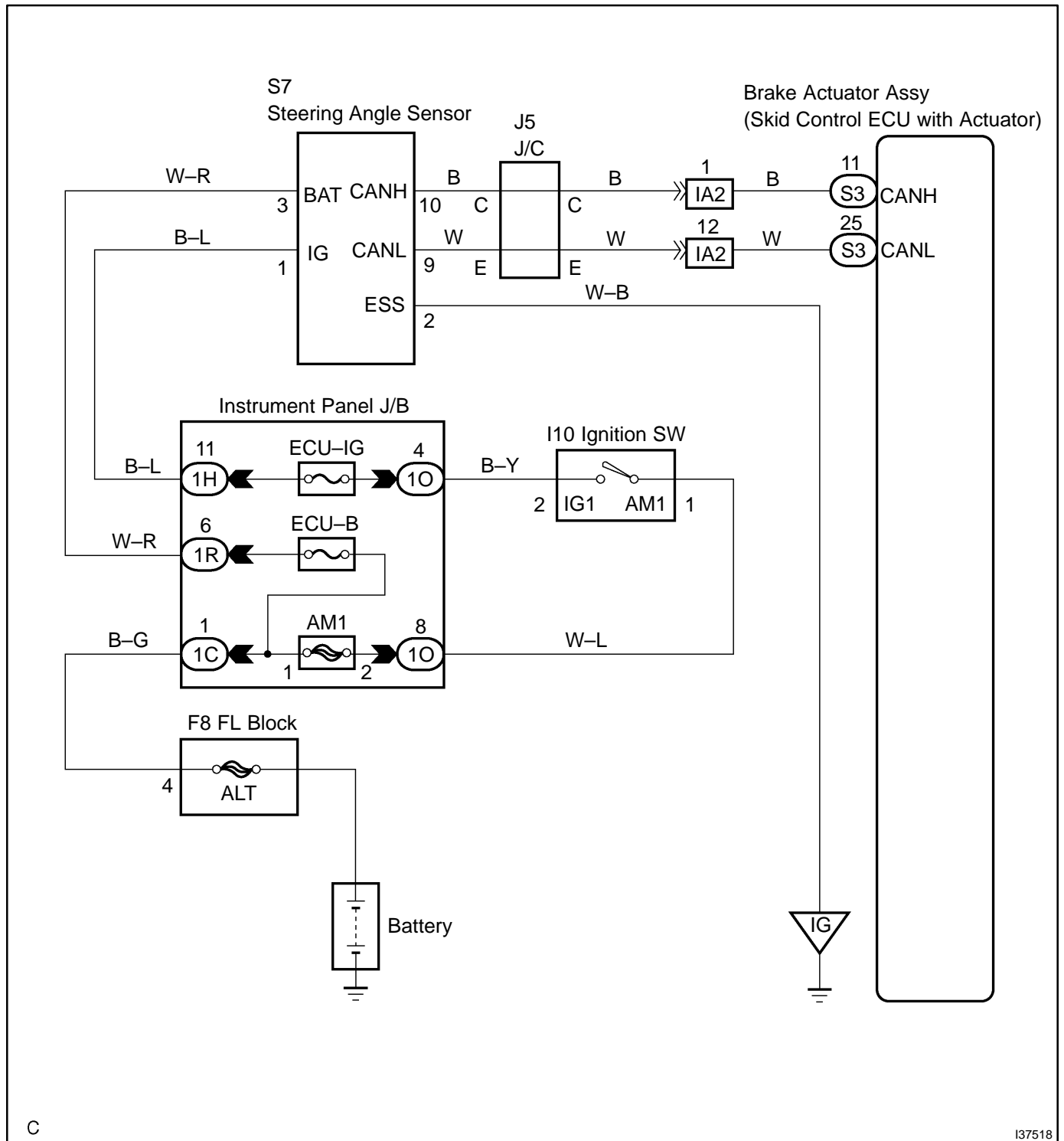
<b>DTC</b>	<b>C1231/31</b>	<b>MALFUNCTION IN STEERING ANGLE SENSOR CIRCUIT</b>
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## CIRCUIT DESCRIPTION

The steering angle sensor signal is sent to the skid control ECU through CAN communication system. When there is malfunction in 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"> <li>• Steering angle sensor</li> <li>• Steering angle sensor circuit</li> <li>• Power source circuit</li> </ul>

# WIRING DIAGRAM



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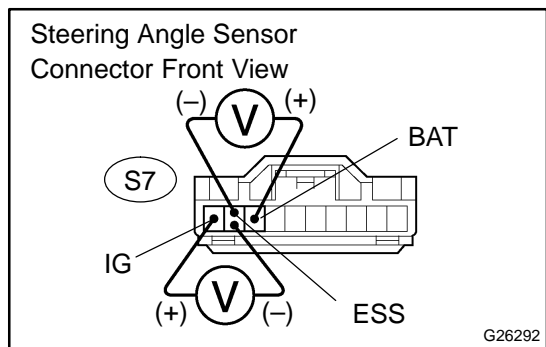
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## INSPECTION PROCEDURE

**HINT:**

- When U0121/94, U0123/62, U0124/95 or U0126/63 ARE OUTPUT ACCOMPANIED WITH C1231/31, inspect and repair the trouble areas indicated by U0121/94, U0123/62, U0124/95 or U0126/63 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 or yaw rate sensor are output accompanied 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)



- Remove the steering wheel and column lower cover.
- Disconnect the steering angle sensor 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
IG (S7-1) – ESS (S7-2)	11 to 14 V
BAT (S7-3) – ESS (S7-2)	11 to 14 V

**NG** REPAIR OR REPLACE HARNESS OR CONNECTOR

**OK**

### REPLACE STEERING ANGLE SENSOR