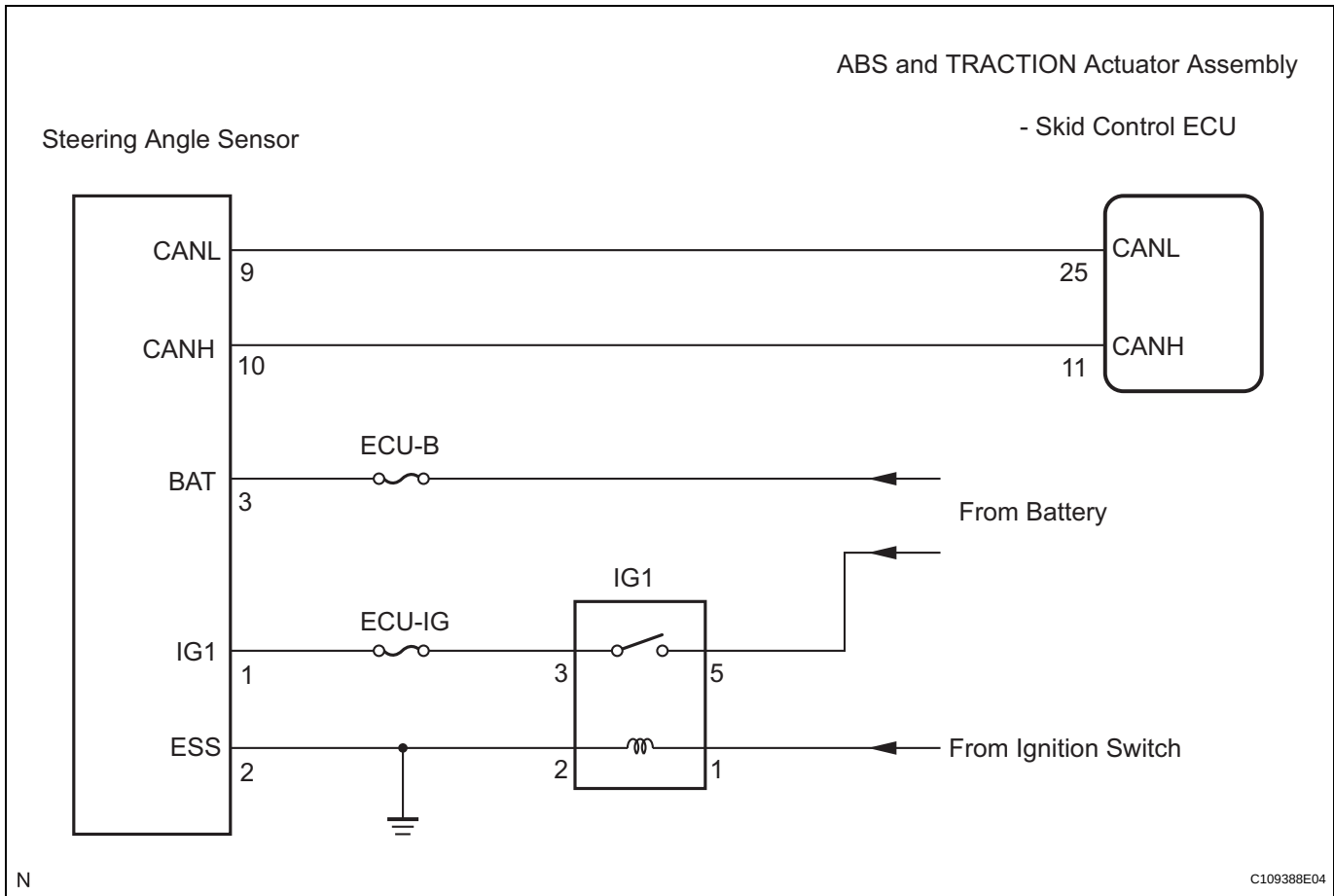


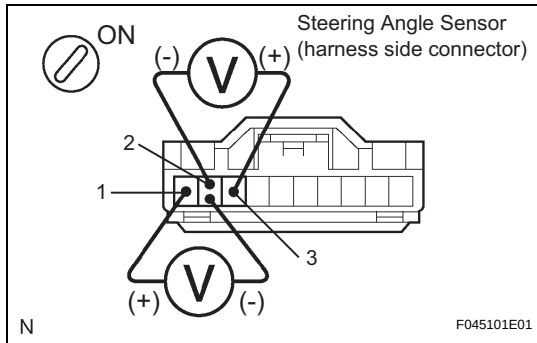
DTC**C1231/31****Steering Angle Sensor Circuit Malfunction****DESCRIPTION**

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 system, the DTC it will be detected by the diagnosis function.

DTC No.	DTC Detecting Condition	Trouble Area
C1231/31	When ECU IG1 terminal voltage is 10 V or more, the steering angle sensor malfunction signal is received.	- Steering angle sensor - Steering angle sensor circuit - CAN communication system

WIRING DIAGRAM**BC****INSPECTION PROCEDURE****HINT:**

- When U0073/94, U0123/62, U0124/95 or U0126/63 is output together with C1231/31, inspect and repair the trouble areas indicated by U0073/94, 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 (C0200/31, C0205/32, C0210/33, C0215/34, C1235/35, C1236/36, C1238/38, C1239/39) or yaw rate and acceleration 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 INSPECT STEERING ANGLE SENSOR (POWER SOURCE TERMINAL)

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

Standard voltage

Tester Connection	Condition	Specified Condition
S12-1 (IG1) - S12-2 (ESS)	IG switch ON	10 to 14 V

- (e) Measure the voltage according to the value(s) in the table below.

Standard voltage

Tester Connection	Condition	Specified Condition
S12-3 (BAT) - S12-2 (ESS)	IG switch ON	10 to 14 V

NG**REPAIR OR REPLACE HARNESS OR CONNECTOR (POWER SOURCE CIRCUIT)****OK****REPLACE STEERING ANGLE SENSOR**