

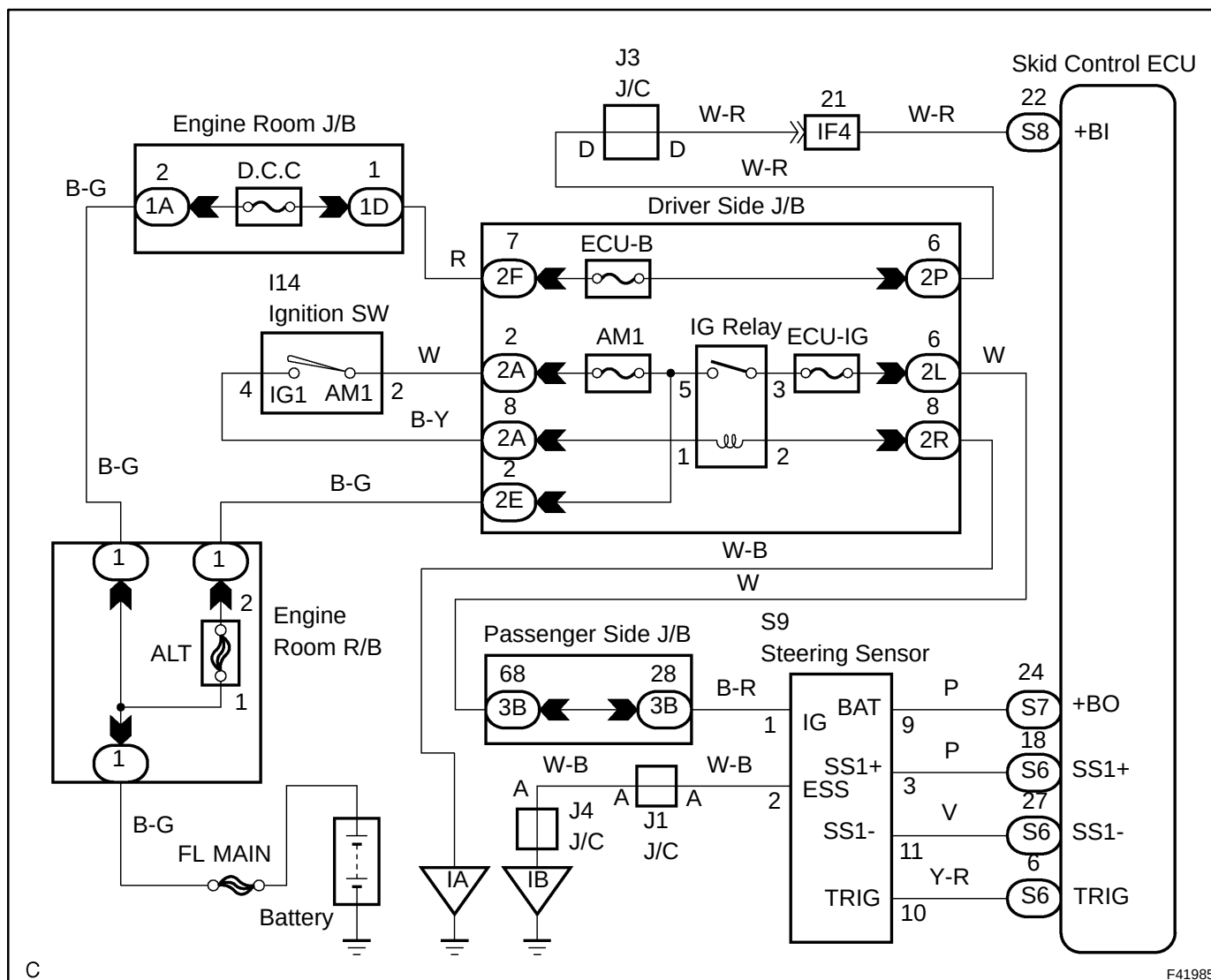
DTC	C1231/31	MALFUNCTION IN STEERING ANGLE SENSOR CIRCUIT
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DTC	C1335/35	STEERING ANGLE SENSOR CIRCUIT
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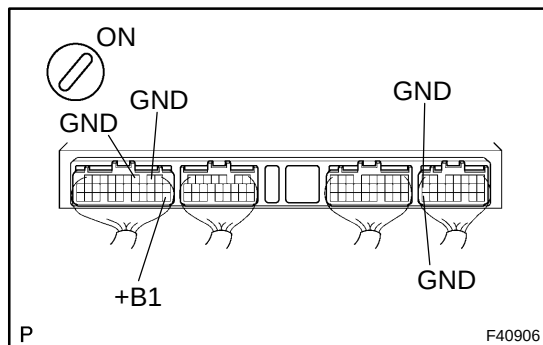
CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1231/31	When ECU IG1 terminal voltage is 9.5 V or more, ECU does not receive data from the steering angle sensor for 1 sec. or more.	- Steering angle sensor - Steering angle sensor circuit +BI circuit
C1335/35	Detection of either condition 1. or 2.: 1. When the ECU IG1 terminal voltage is 9.5 V or more, data transmission from the steering angle sensor is impossible for 1 sec. or more. 2. Immediately after the terminal BAT is connected and when IG1 terminal voltage is 9.5 V or more, open circuit of terminal TRIG continues for 15 sec. or more.	- Steering angle sensor - Steering angle sensor circuit

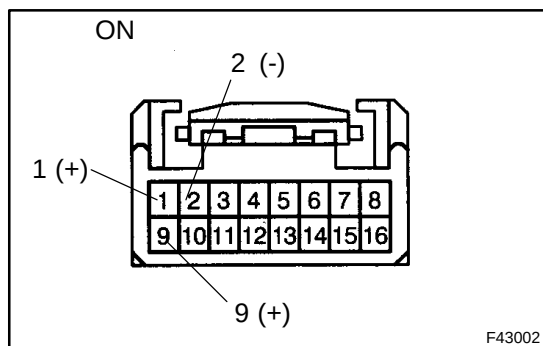
WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(+BI TERMINAL)

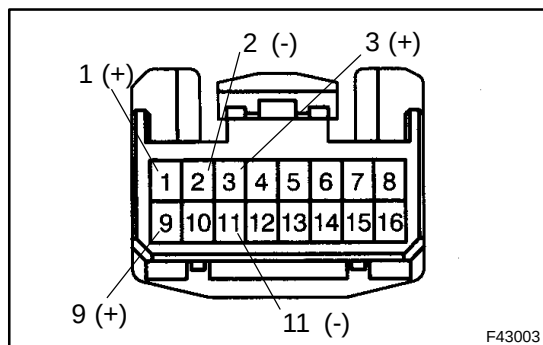
- (a) Remove the skid control ECU with the connector still connected.
- (b) Turn the ignition switch ON.
- (c) Measure voltage between terminal +BI and GND of skid control ECU and body ground.

OK: 10 - 14 V**OK****CHECK AND REPLACE SKID CONTROL ECU ASSY****NG****2 CHECK HARNESS AND CONNECTOR(STEERING ANGLE SENSOR - SKID CONTROL ECU ASSY)**

- (a) Remove the steering wheel and column lower cover (See page 50-8).
- (b) Disconnect the steering sensor connector.
- (c) Turn the ignition switch ON.
- (d) Measure voltage between terminal 1 and 2, 2 and 9 of the steering sensor harness side connector.

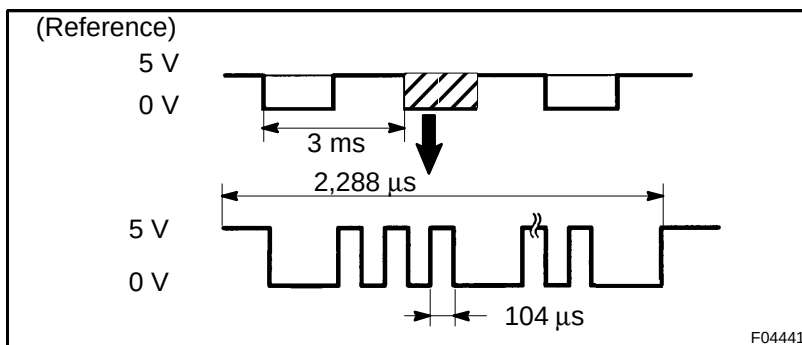
OK: 10 - 14 V**NG****REPAIR OR REPLACE HARNESS OR CONNECTOR****OK**

3 INSPECT STEERING SENSOR



- Remove the steering wheel and column lower cover (See page 50-8).
- Disconnect the steering angle sensor connector.
- Apply battery positive voltage between terminals 1 and 2, 2 and 9.
- Connect the oscilloscope to the terminals 3 and 11 of the steering angle sensor.
- Turn the steering column shaft slowly and check the signal waveform.

OK:



HINT:

The above signal waveform does not repeat ON and OFF regularly and this ON-OFF interval changes case by case according to the data.

NG

REPLACE STEERING SENSOR

OK

CHECK AND REPLACE SKID CONTROL ECU ASSY