

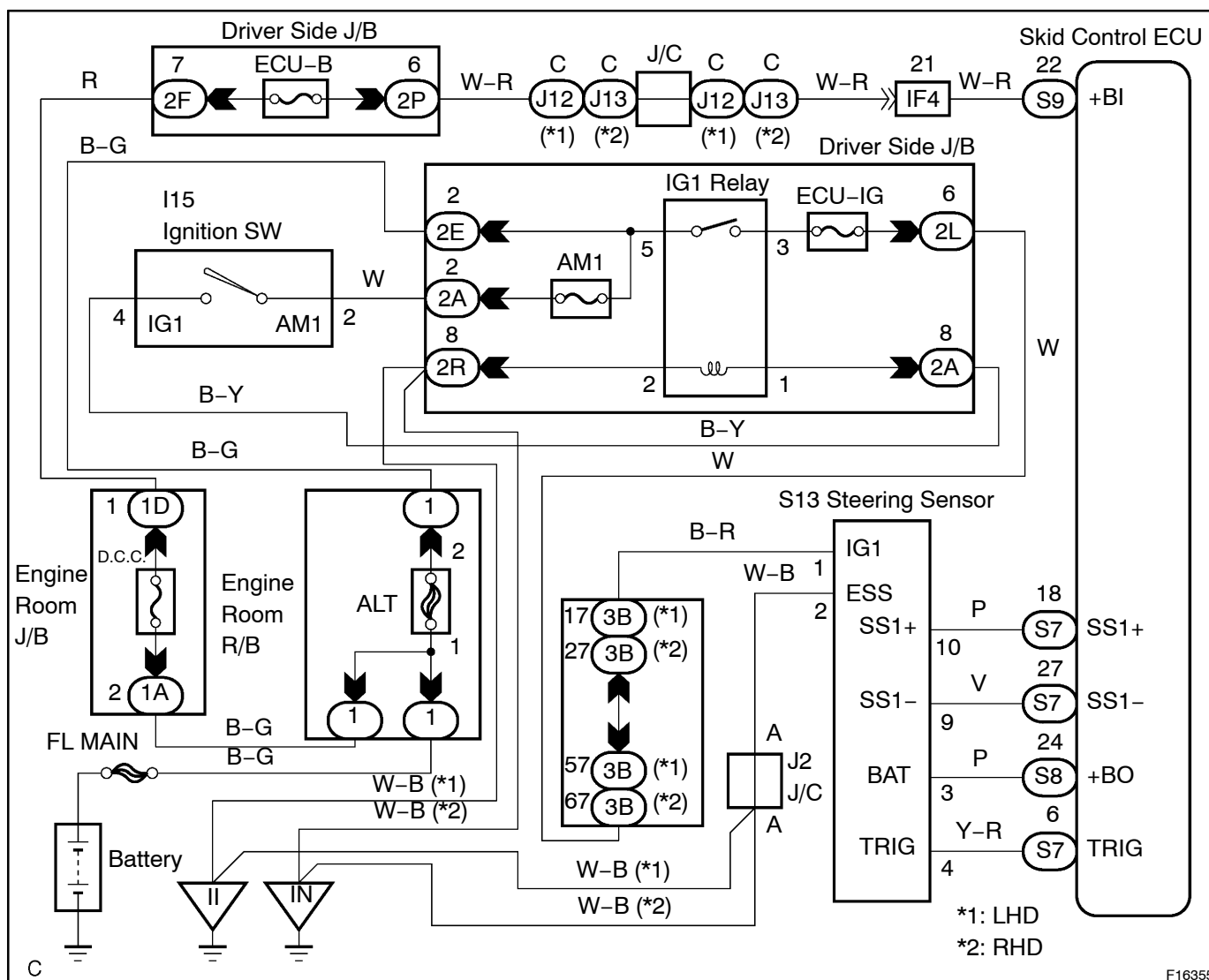
DTC	C1231/31	MALFUNCTION IN STEERING ANGLE SENSOR CIRCUIT
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DTC	C1335/35	STEERING ANGLE SENSOR CIRCUIT
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CIRCUIT DESCRIPTION

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.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> Steering angle sensor Steering angle sensor circuit

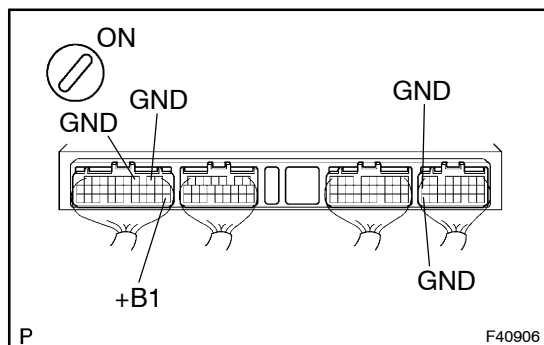
WIRING DIAGRAM



F16355

INSPECTION PROCEDURE

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



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

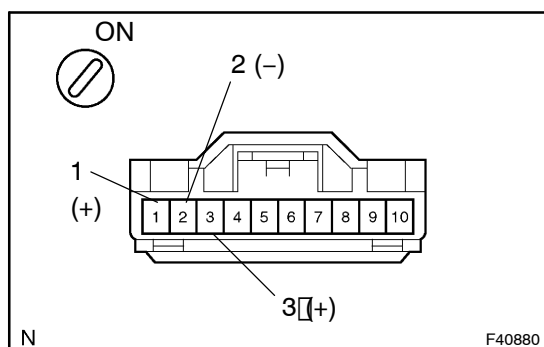
OK: 10 - 14 V

OK

CHECK AND REPLACE SKID CONTROL ECU ASSY

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2 CHECK HARNESS AND CONNECTOR (STEERING ANGLE SENSOR - SKID CONTROL ECU ASSY) (See page 01-31)



- Remove the steering wheel and column lower cover (See page 50-6).
- Disconnect the steering sensor connector.
- Turn the ignition switch ON.
- Measure voltage between terminal 1 and 2, 2 and 3 of the steering sensor harness side connector.

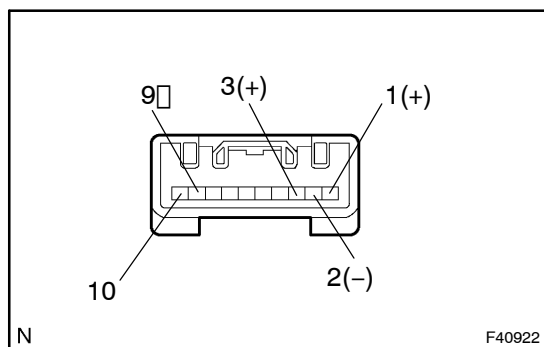
OK: 10 - 14 V

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REPAIR OR REPLACE HARNESS OR CONNECTOR

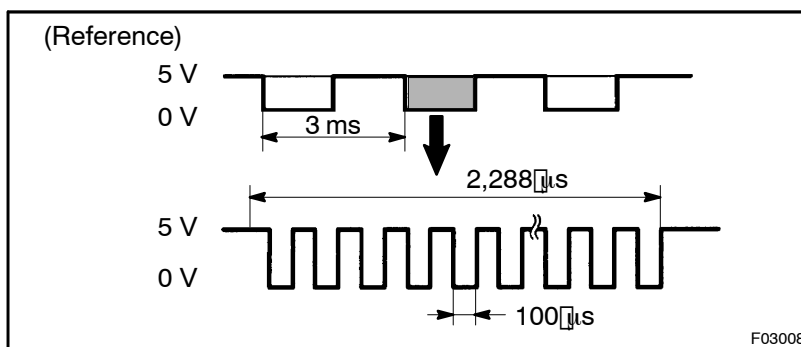
OK

3 INSPECT STEERING SENSOR



- Remove the steering wheel, No. 1 under cover, No. 1 safety pad, lower and upper column covers (See page 50-6).
- Disconnect the steering angle sensor connector.
- Apply battery positive voltage between terminals 1 and 2, 2 and 3.
- Connect the oscilloscope to the terminals 9 and 10 of the steering angle sensor.
- Turn the steering wheel slowly and check the signal waveform.

OK:



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

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REPLACE STEERING SENSOR

OK

CHECK AND REPLACE SKID CONTROL ECU ASSY