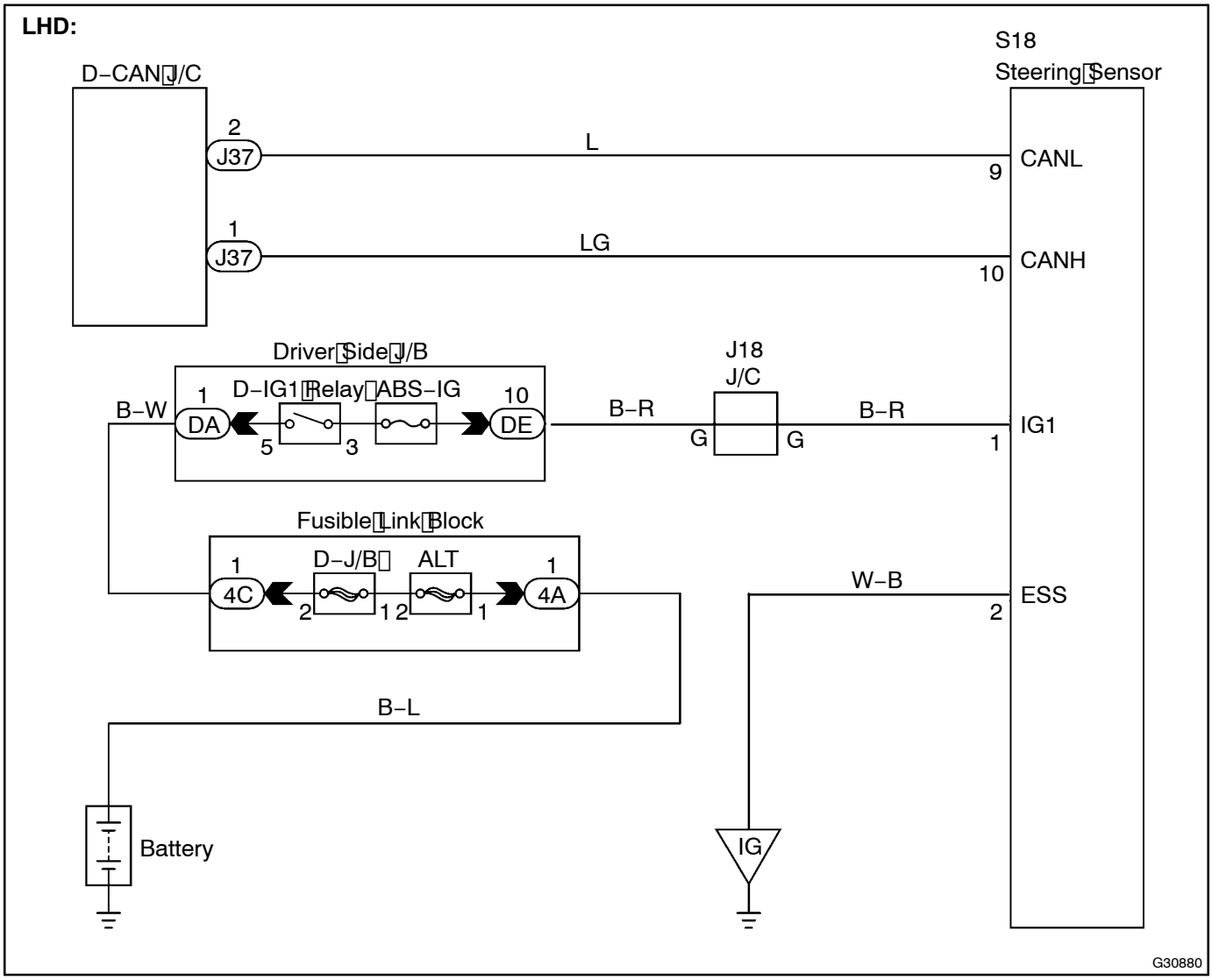
STEERING SENSOR COMMUNICATION STOP MODE

MODE DESCRIPTION

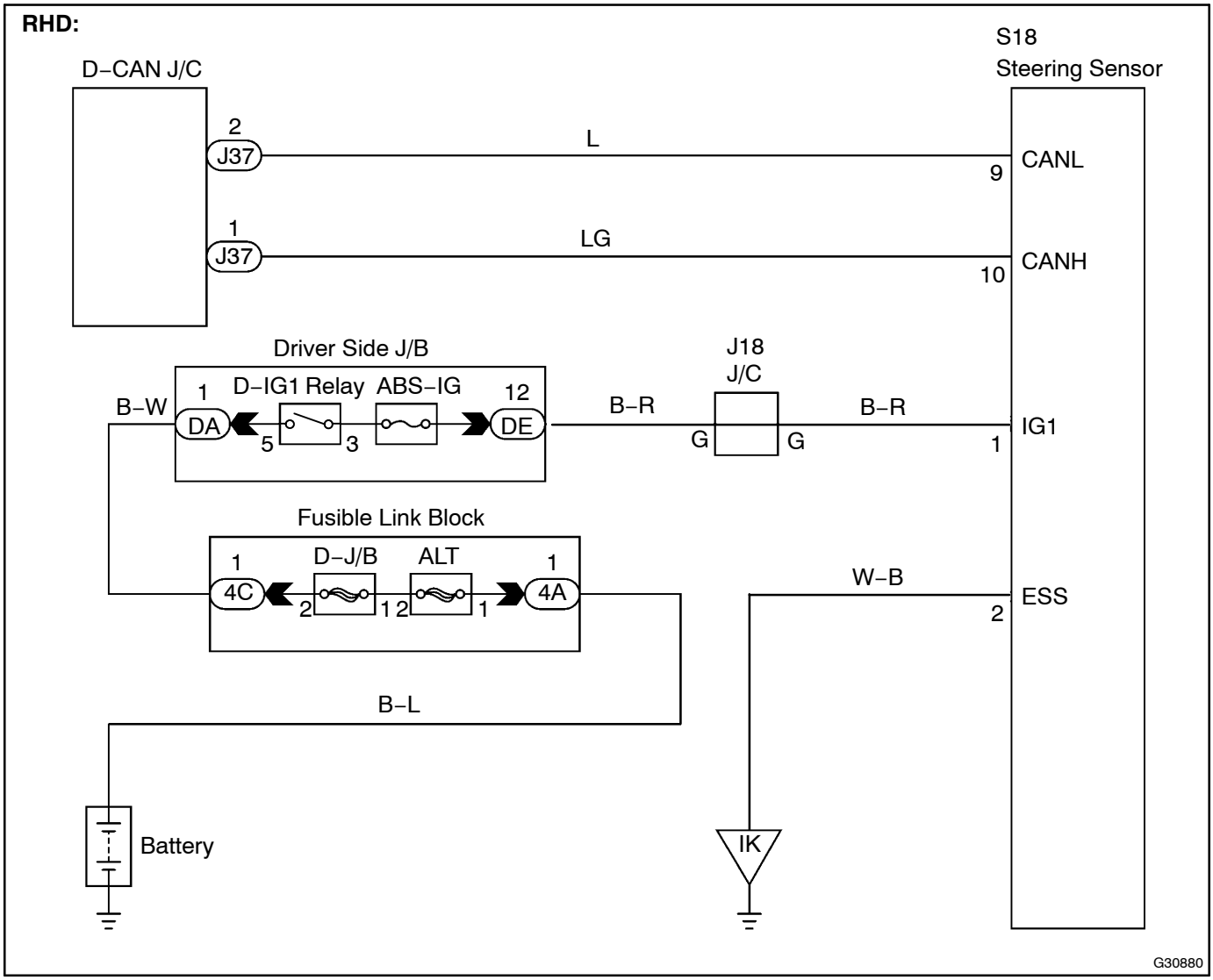
Detection Item	Symptom	Trouble Area
STEERING SENSOR COMMUNICATION STOP MODE	• "Steering Angle Sensor" is not displayed on the "Communication Bus Check" screen of the Intelligent Tester II. • Applies to "STEERING SENSOR COMMUNICATION STOP MODE" in the "DTC COMBINATION TABLE" (see page 05-3309).	• Power source or inside the steering sensor • Steering sensor sub bus line or connector

WIRING DIAGRAM

LHD:



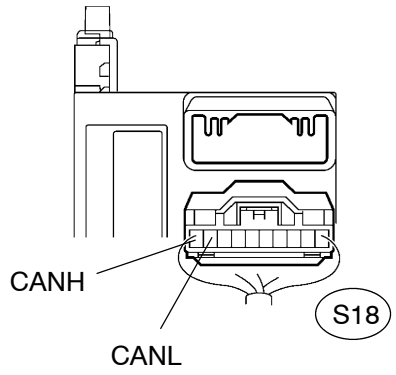
RHD:


S18
Steering Sensor
D–CAN J/C
2
J37
L
9
CANL
1
J37
LG
10
CANH
Driver Side J/B
J18
J/C
1
D–IG1 Relay
ABS–IG
12
B–W
DA
DE
B–R
B–R
5
3
G
G
1
IG1
Fusible Link Block
1
D–J/B
ALT
1
4C
4A
2
1 2
1
W–B
2
ESS
B–L
Battery
IK
G30880

INSPECTION PROCEDURE

1	CHECK CAN BUS LINE FOR DISCONNECTION(STEERING SENSOR SUB BUS LINE)

Steering Sensor
Wire Harness View:



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(a) Turn the ignition switch to the LOCK position.
(b) Disconnect the steering sensor connector (S18).
(c) Measure the resistance according to the value(s) in the table below.

Standard:

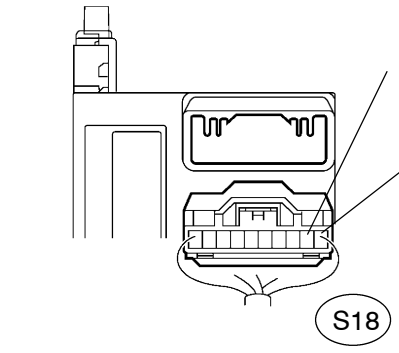
Tester connection	Condition	Specified value
S18–10 (CANH) – S18–9 (CANL)	Ignition Switch OFF	54 to 69 Ω

NG → **REPAIR OR REPLACE STEERING SENSOR SUB BUS LINE OR CONNECTOR (CAN–H, CAN–L)**

OK

2	CHECK WIRE HARNESS(IG1, ESS)

Steering Sensor
Wire Harness View:



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(a) Measure the resistance according to the value(s) in the table below.
(b) Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
S18–2 (ESS) – Body ground	Always	Below 1 Ω
S18–1 (IG1) – Body ground	Ignition Switch ON	10 to 14 V

NG → **REPAIR OR REPLACE WIRE HARNESS OR CONNECTOR**

OK

REPLACE STEERING SENSOR (SEE PAGE 32–65)