YAW RATE SENSOR COMMUNICATION STOP MODE

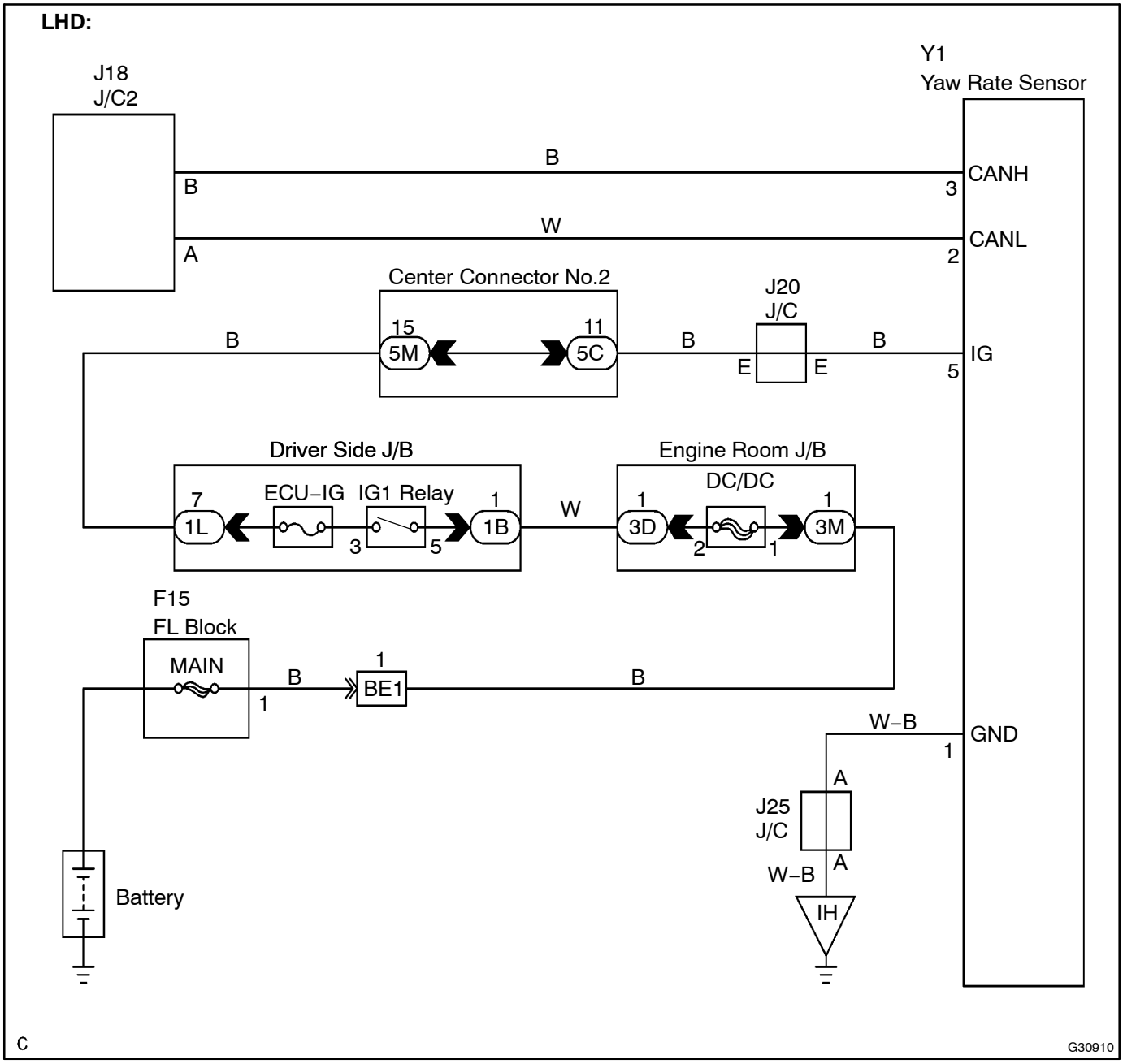
MODE DESCRIPTION

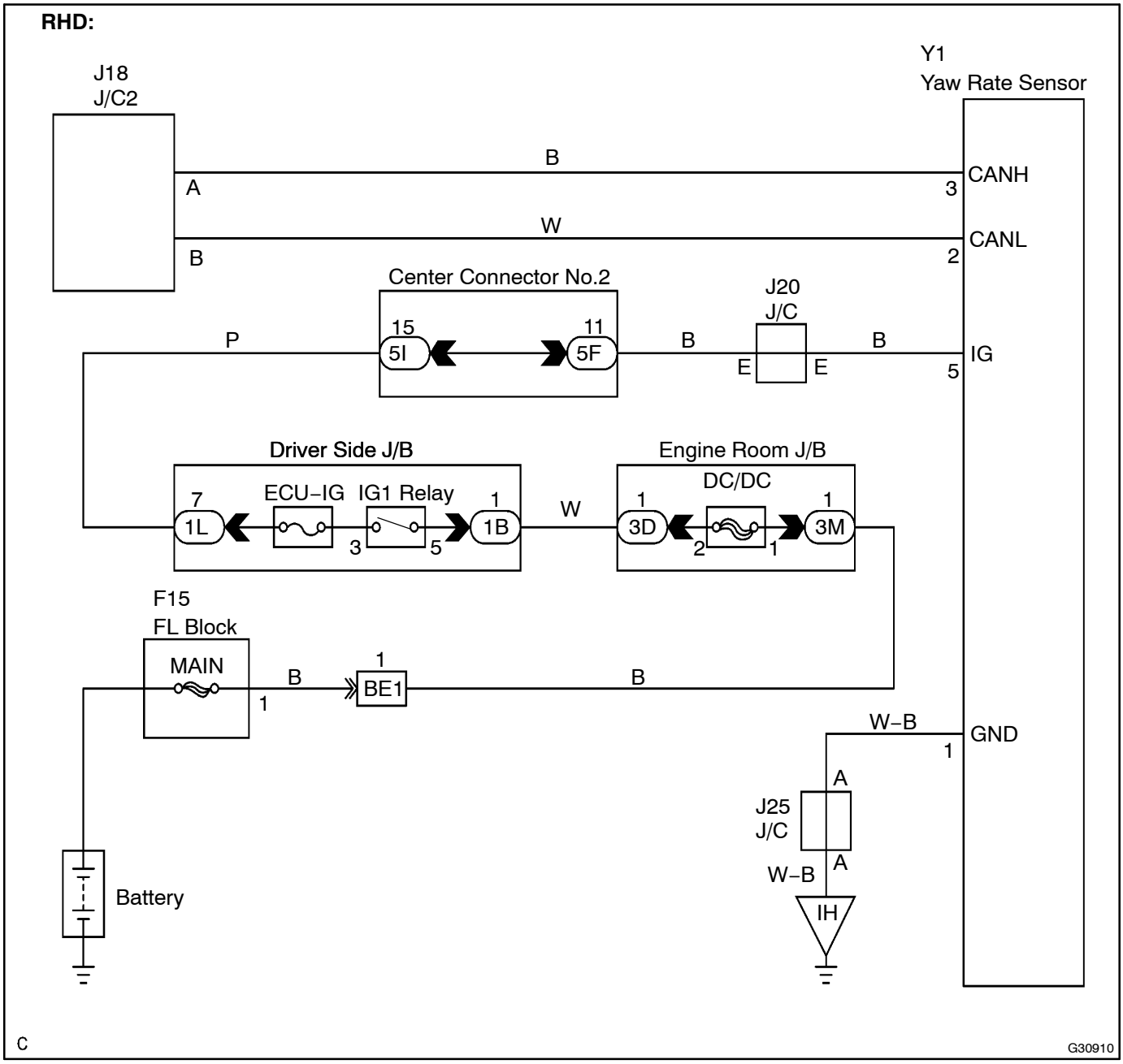
Detection Item	Symptom	Trouble Area
YAW RATE SENSOR COMMUNICATION STOP MODE	• ”Yaw Rate/Deceleration Sensor” is not displayed on the ”Communication Bus Check” screen of the intelligent tester II. • Applies to ”YAW RATE SENSOR COMMUNICATION STOP MODE” in the ”DTC COMBINATION TABLE” (see page 05–2315).	• Power source or inside the yaw rate sensor • Yaw rate sensor sub bus line or connector

NOTICE:

This is not applicable to a vehicle without VSC+.

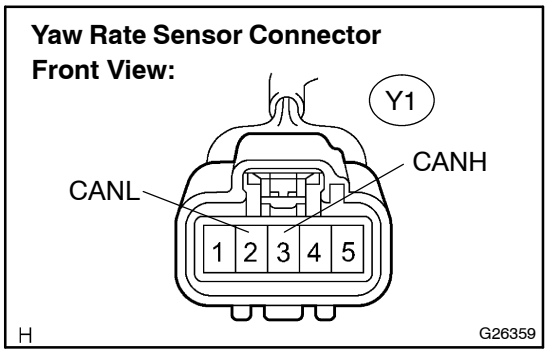
WIRING DIAGRAM




RHD:
J18
J/C2
A
B
B
W
Y1
Yaw Rate Sensor
CANH
3
CANL
2
Center Connector No.2
15
5I
11
5F
P
B
J20
J/C
E
E
B
IG
5
Driver Side J/B
7
1L
ECU–IG
IG1 Relay
3
5
1
1B
W
Engine Room J/B
DC/DC
1
3D
2
1
1
3M
F15
FL Block
MAIN
B
1
1
BE1
B
W–B
GND
1
A
J25
J/C
A
W–B
IH
Battery
C
G30910

INSPECTION PROCEDURE

1 CHECK CAN BUS LINE FOR DISCONNECTION(YAW RATE SENSOR SUB BUS LINE)



(a) Turn the power switch off.
(b) Disconnect the yaw rate sensor connector (Y1).
(c) Measure the resistance according to the value(s) in the table below.

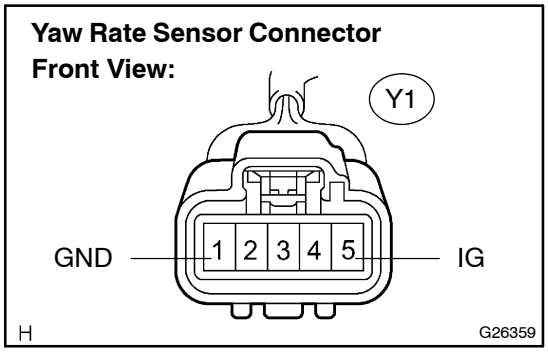
Standard:

Tester connection	Condition	Specified value
Y1–2 (CANL) – Y1–3 (CANH)	Power Switch OFF	54 to 69 Ω

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

OK

2 CHECK WIRE HARNESS(IG,GND)



(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
Y1–1 (GND) – Body ground	Always	Below 1 Ω
Y1–5 (IG) – Body ground	Power Switch ON (IG)	10 to 14 V

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

OK

REPLACE YAW RATE SENSOR (SEE PAGE 32–84)