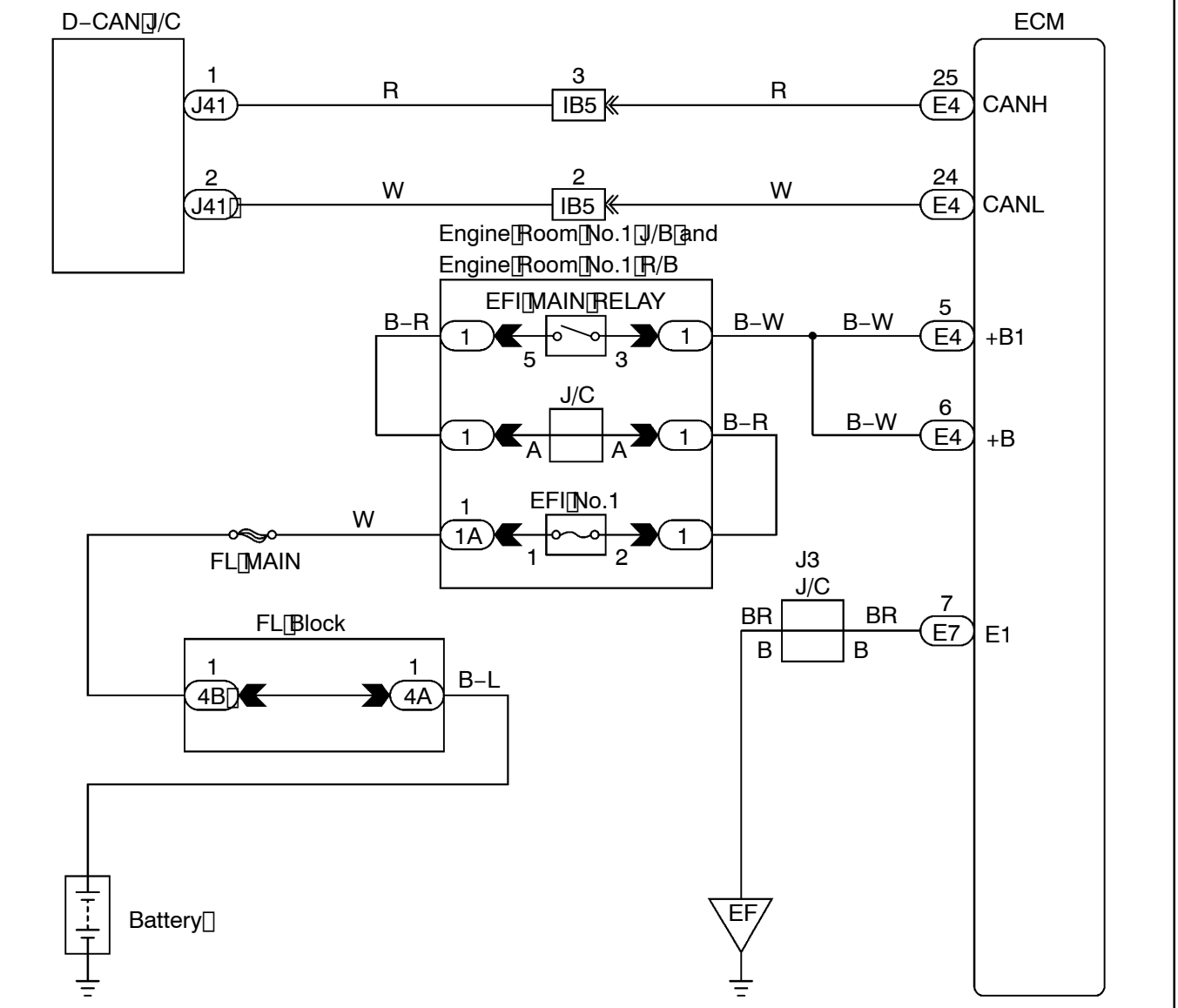
ECM COMMUNICATION STOP MODE

MODE DESCRIPTION

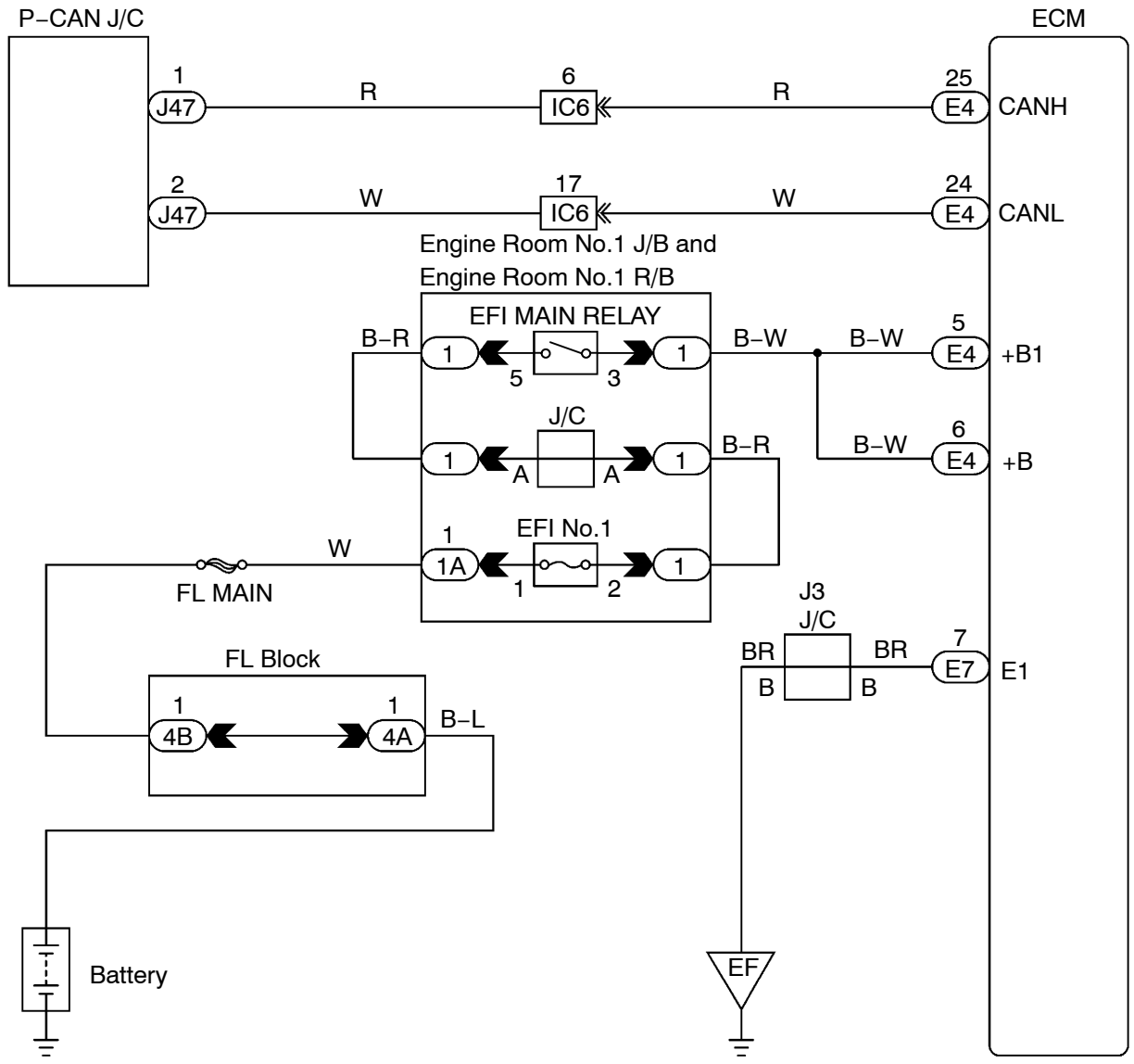
Detection Item	Symptom	Trouble Area
ECM COMMUNICATION STOP MODE	• "Engine" and "ECT" are not displayed on the "Communication Bus Check" screen of the intelligent tester II. • Applies to "ECM COMMUNICATION STOP MODE" in the "DTC COMBINATION TABLE" (see page 05–3309).	• Power source or inside the ECM • ECM sub bus line or connector

WIRING DIAGRAM

LHD:



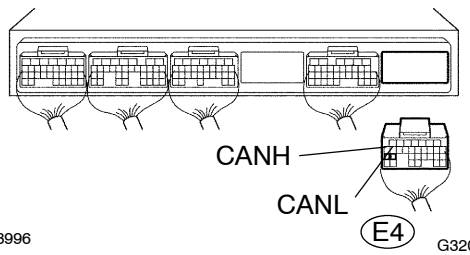
RHD:


P–CAN J/C
ECM
1
J47
R
6
IC6
R
25
E4
CANH
2
J47
W
17
IC6
W
24
E4
CANL
Engine Room No.1 J/B and
Engine Room No.1 R/B
EFI MAIN RELAY
B–R
1
5
3
1
B–W
B–W
5
E4
+B1
J/C
1
A
A
1
B–R
B–W
6
E4
+B
1
EFI No.1
W
1A
1
2
1
FL MAIN
J3
J/C
BR
B
BR
B
7
E7
E1
FL Block
1
4B
1
4A
B–L
Battery
EF
C
G29522

INSPECTION PROCEDURE

1 CHECK CAN BUS LINE FOR DISCONNECTION(ECM SUB BUS LINE)

ECM Wire Harness View:



(a) Turn the ignition switch to the LOCK position.
(b) Disconnect the ECM connector (E4).
(c) Measure the resistance according to the value(s) in the table below.

Standard:

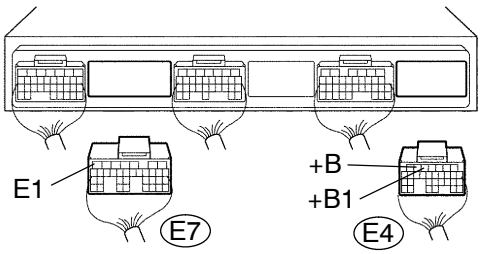
Tester connection	Condition	Specified value
E4–25 (CANH) – E4–24 (CANL)	Ignition Switch OFF	54 to 69 Ω

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

OK

2 CHECK WIRE HARNESS(+B1, +B, E1)

ECM Wire Harness View:



(a) Disconnect the ECM connector (E7).
(b) Measure the resistance according to the value(s) in the table below.
(c) Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
E7–7 (E1) – Body ground	Always	Below 1 Ω
E4–5 (+B1) – Body ground	Ignition Switch ON	10 to 14 V
E4–6 (+B) – Body ground	Ignition Switch ON	10 to 14 V

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

OK

REPLACE ECM (SEE PAGE 10–21)