DIAY4–01

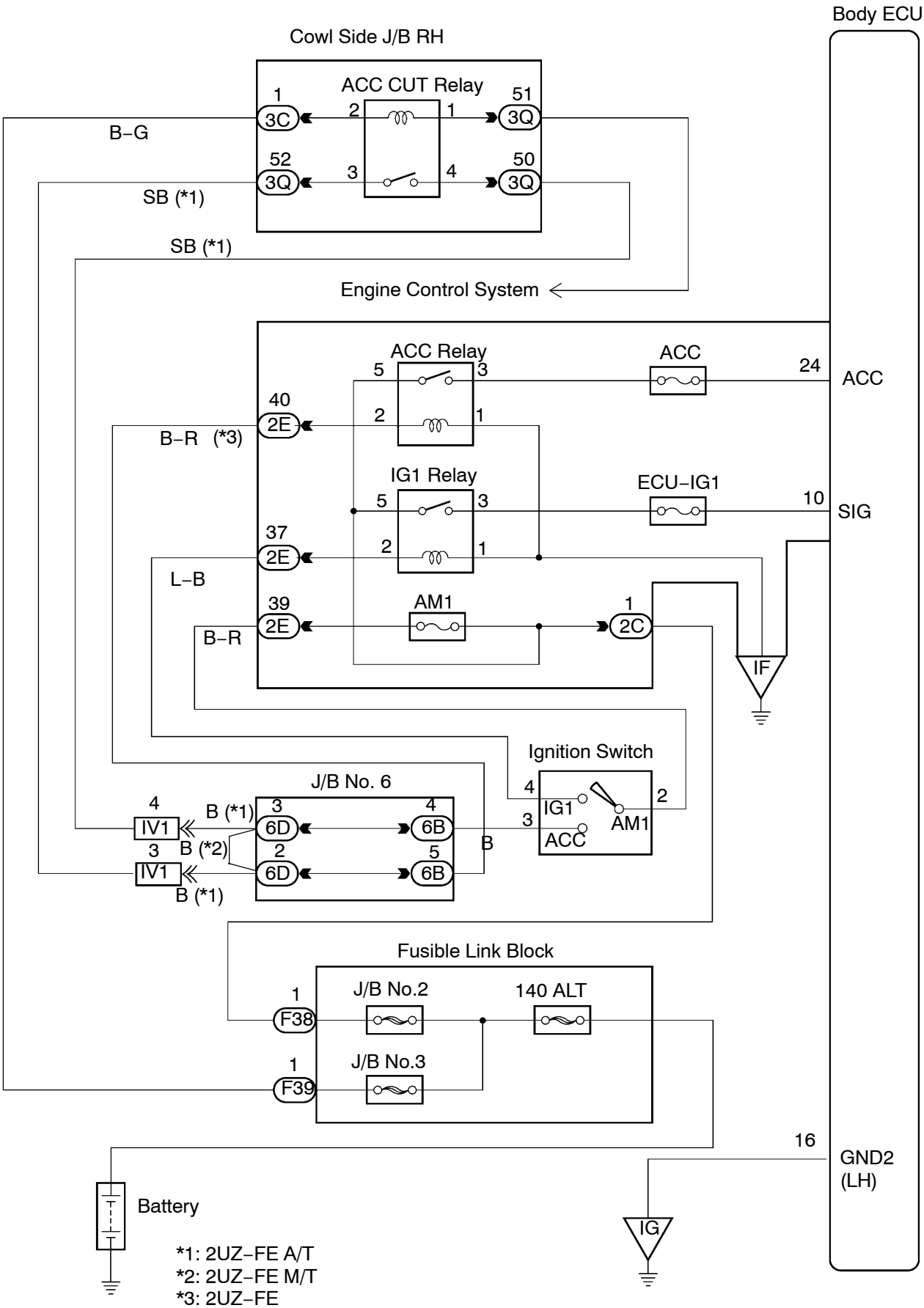
Ignition switch power source circuit (Body ECU)

CIRCUIT DESCRIPTION

When the ignition switch is turned to the ACC position, battery voltage is applied to the terminal ACC of ECU and when the ignition switch is turned to the ON position, battery positive voltage is applied to the terminal SIG of the ECU.

WIRING DIAGRAM

LHD Models:



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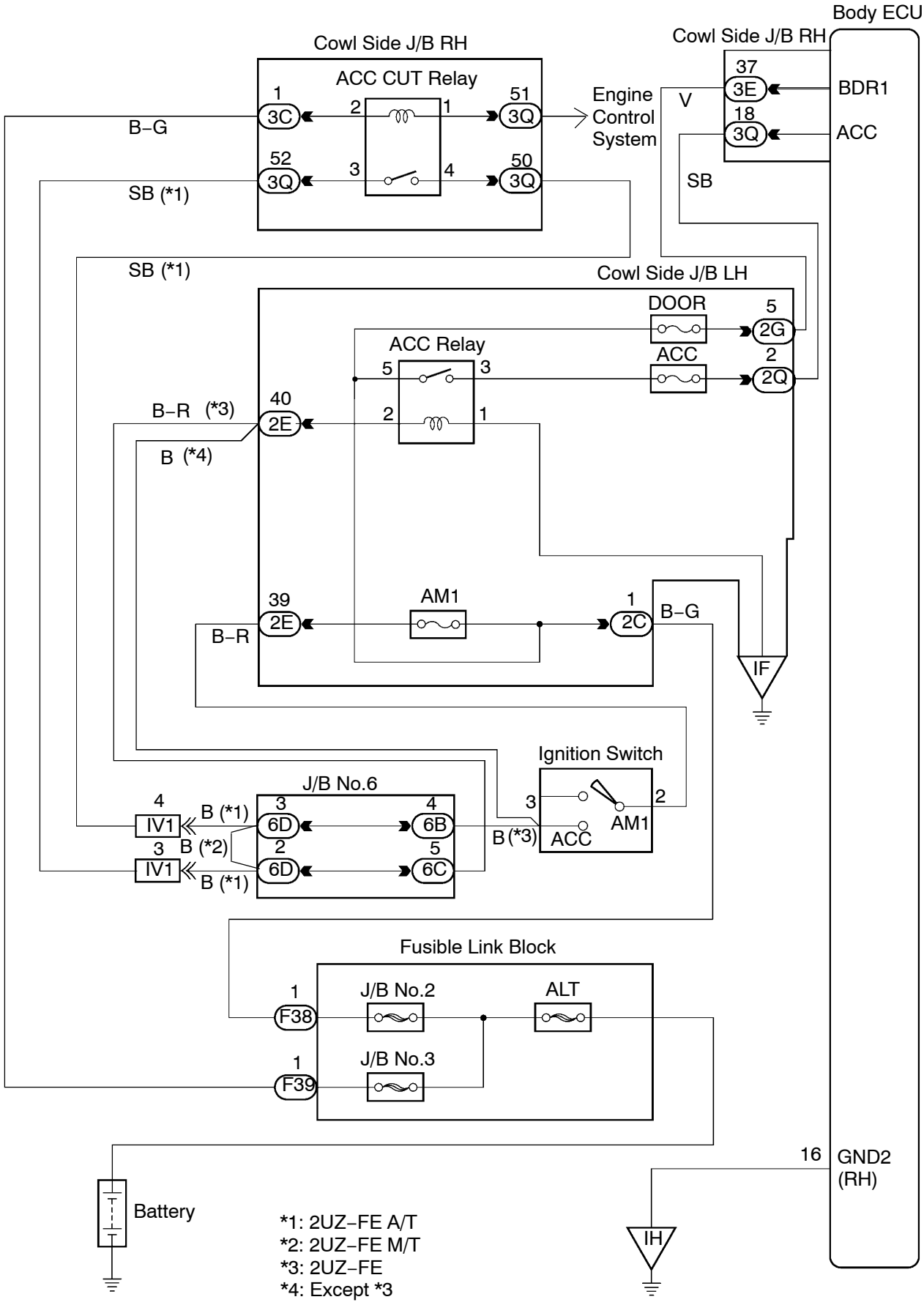
RHD Models:


Body ECU
Cowl Side J/B RH
ACC CUT Relay
1
3C
2
1
51
3Q
B–G
52
3Q
3
4
50
3Q
SB (*1)
Engine Control System
V
Cowl Side J/B RH
37
3E
BDR1
18
3Q
ACC
SB
SB (*1)
Cowl Side J/B LH
DOOR
5
2G
ACC Relay
5
3
ACC
2
2Q
40
2E
B–R (*3)
2
1
B (*4)
39
2E
AM1
1
2C
B–G
B–R
IF
Ignition Switch
J/B No.6
4
IV1
B (*1)
3
6D
4
6B
3
2
B (*3)
ACC
AM1
3
IV1
B (*2)
B (*1)
2
6D
5
6C
Fusible Link Block
1
F38
J/B No.2
ALT
1
F39
J/B No.3
16
GND2
(RH)
Battery
IH
*1: 2UZ–FE A/T
*2: 2UZ–FE M/T
*3: 2UZ–FE
*4: Except *3
H
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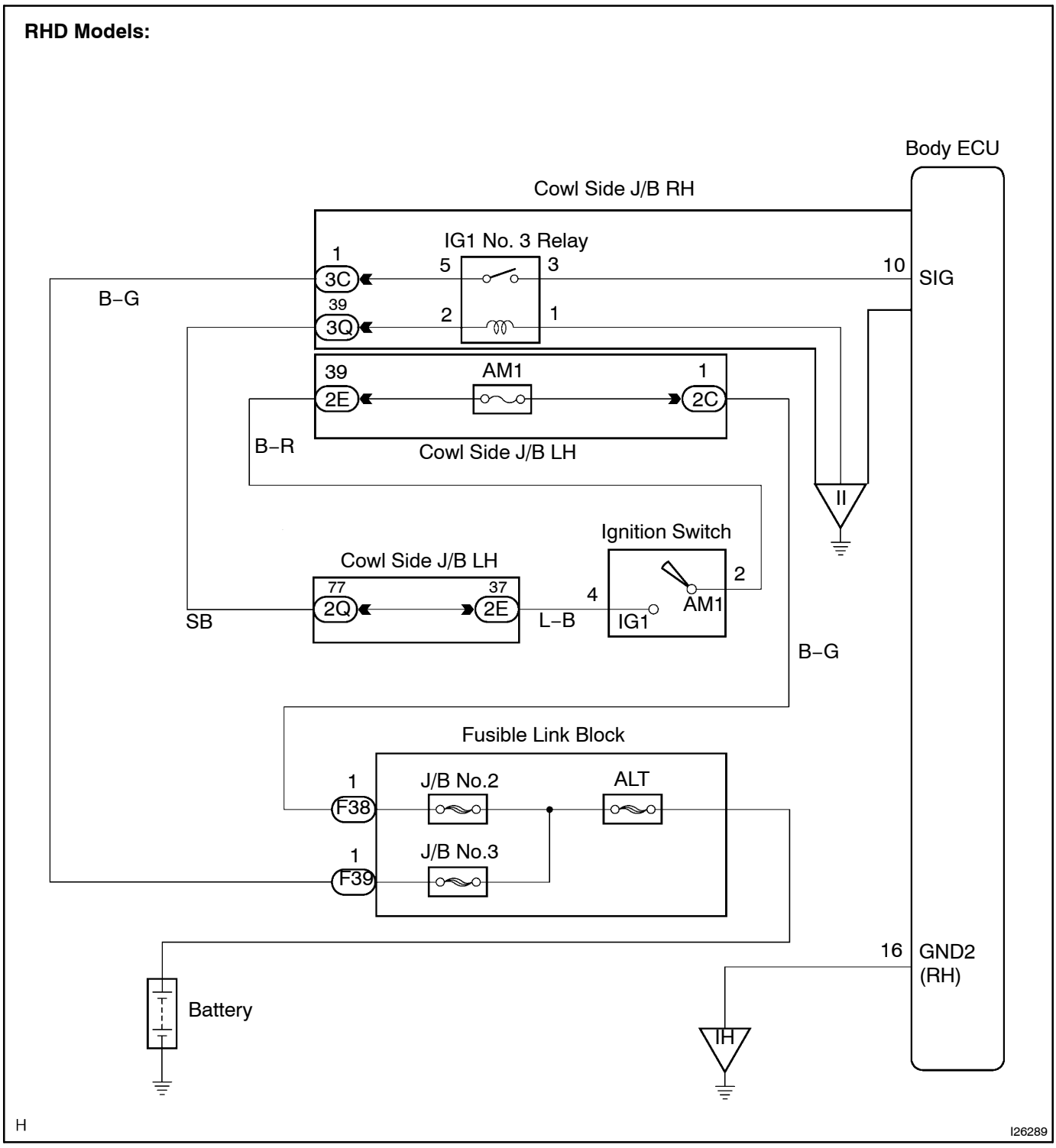
RHD Models:


Body ECU
Cowl Side J/B RH
IG1 No. 3 Relay
1
3C
5
3
10
SIG
B–G
39
3Q
2
1
39
AM1
1
2E
2C
B–R
Cowl Side J/B LH
II
Ignition Switch
Cowl Side J/B LH
77
37
2
2Q
2E
4
AM1
SB
L–B
IG1
B–G
Fusible Link Block
1
J/B No.2
ALT
F38
1
J/B No.3
F39
16
GND2
(RH)
Battery
IH
H
I26289

INSPECTION PROCEDURE

1	Check ACC, ECU–IG1 fuse.

CHECK:
Check continuity of ACC, ECU–IG1 fuse.
OK:
Continuity

NG → **Replace faulty fuse.**

OK

2	Check voltage between terminals ACC, SIG and GND1, 2 of Body ECU connector.

PREPARATION:
Turn the ignition switch ON.
CHECK:
Measure the voltage between terminals ACC, SIG and GND1, 2.
OK:
Voltage: 10 – 14V

OK → **Proceed to next circuit inspection shown on problem symptoms table (See page DI–992).**

NG

3	Check wire harness and connector between Body ECU and body ground (See page IN–38).

NG → **Repair or replace wire harness or connector.**

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI–992).