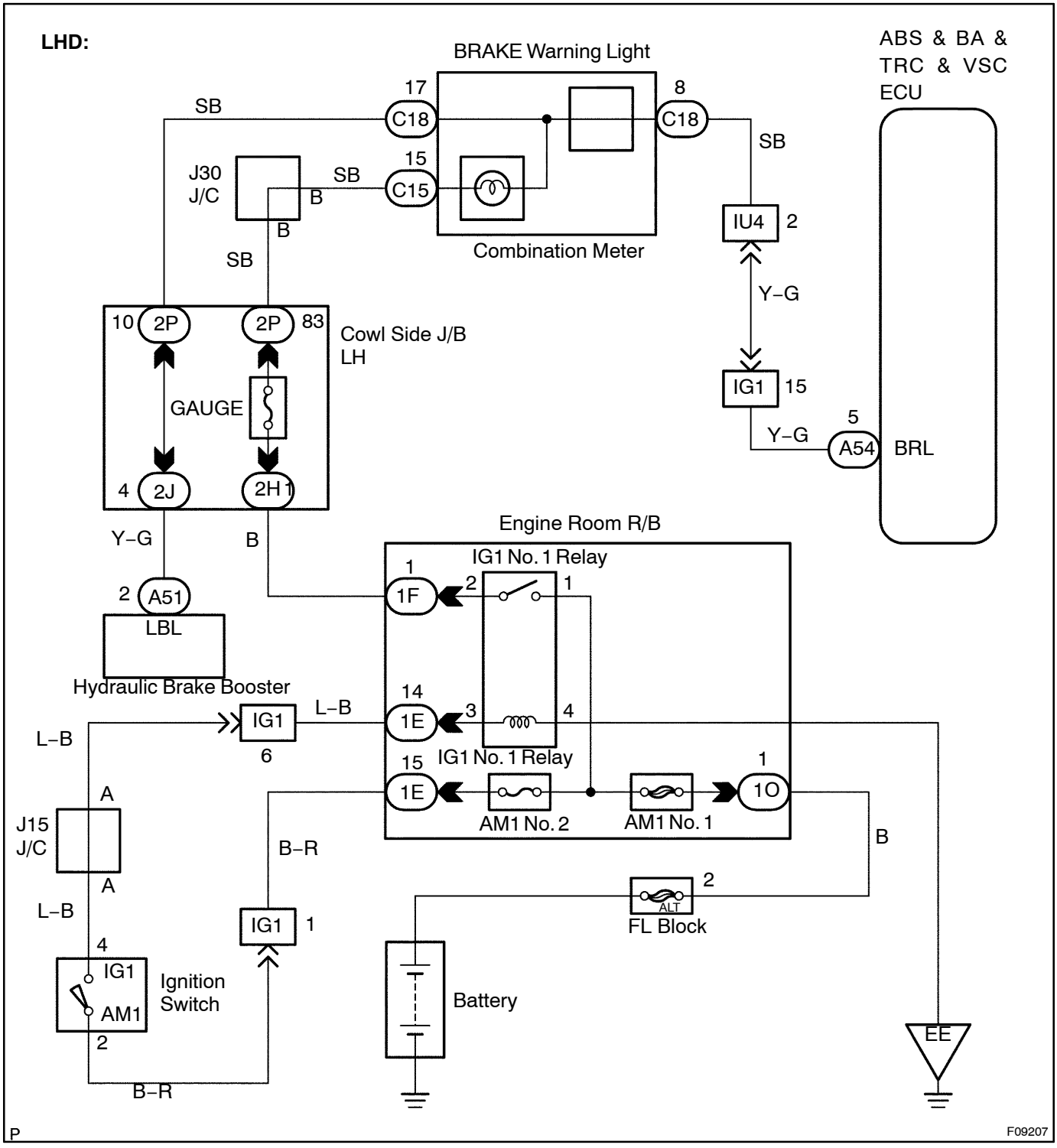
DI6Y3–01

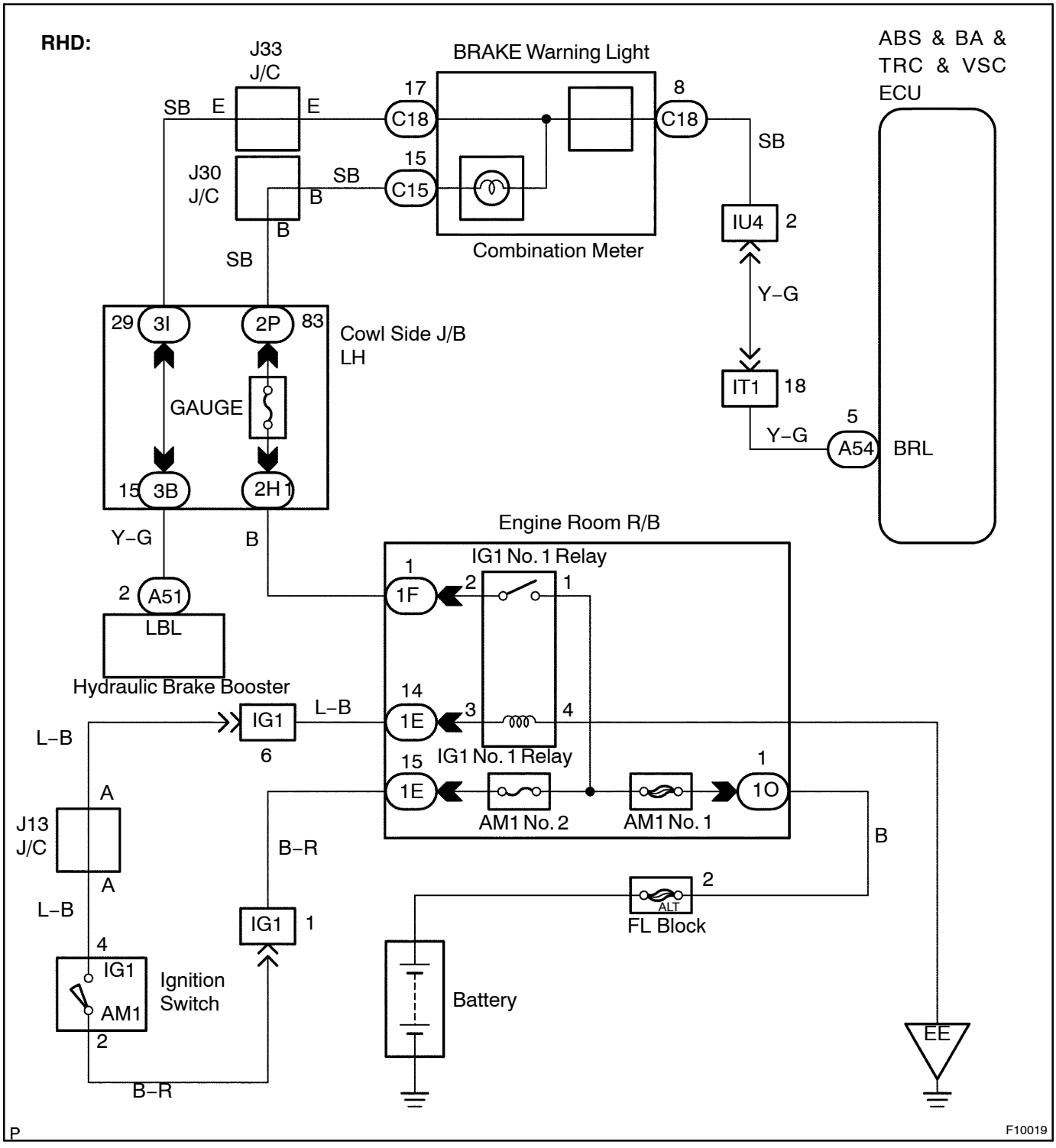
BRAKE Warning Light Circuit

CIRCUIT DESCRIPTION

The BRAKE warning light lights up while the brake fluid is insufficient or an abnormality occurs in the hydraulic brake booster and EBD is abnormally.

WIRING DIAGRAM




RHD:
J33
J/C
BRAKE Warning Light
ABS & BA &
TRC & VSC
ECU
17
8
SB
E
E
C18
C18
SB
15
J30
J/C
SB
C15
B
IU4
2
B
Combination Meter
SB
Y–G
29
3I
2P
83
Cowl Side J/B
LH
IT1
18
GAUGE
5
Y–G
A54
BRL
15
3B
2H
1
Engine Room R/B
Y–G
B
IG1 No. 1 Relay
1
2
1F
2
1
A51
LBL
Hydraulic Brake Booster
14
L–B
IG1
L–B
1E
3
4
6
IG1 No. 1 Relay
15
1
L–B
1E
1O
AM1 No. 2
AM1 No. 1
A
J13
J/C
B
B–R
A
2
ALT
L–B
FL Block
IG1
1
4
IG1
Ignition
Switch
AM1
Battery
EE
2
B–R
P
F10019

INSPECTION PROCEDURE

1	Check parking brake switch circuit (See page BE–4).

NG → Repair or replace parking brake switch circuit.

OK

2	Check brake fluid level warning switch circuit (See page BE–4).

NG → Repair or replace brake fluid level warning switch circuit.

OK

3	Is DTC output for ABS?

YES → Repair circuit indicated by the output code.

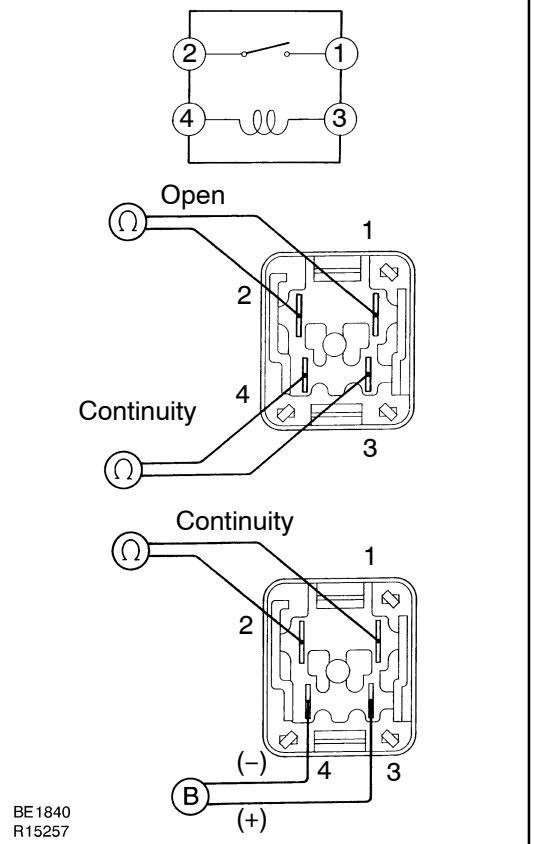
NO

4	Does the warning lights other than BRAKE warning lights up?

YES → Go to step 6.

NO

5	**Check IG 1 No. 1 relay.**



PREPARATION:

Remove IG1 No. 1 relay from engine room J/B.

CHECK:

Check continuity between each pair of terminal of IG1 No. 1 relay.

OK:

Terminals 3 and 4	Continuity
Terminals 1 and 2	Open

CHECK:

(a) Apply battery voltage between terminals 3 and 4.

(b) Check continuity between terminals.

OK:

Terminals 1 and 2	Continuity

NG → **Replace IG 1 No. 1 relay.**

OK

Check for open circuit in harness and connector between IG 1 No. 1 relay and combination meter (See page IN–35).

6	**Check BRAKE warning light.**

Open circuit in the combination meter (See page BE–1).

NG → **Repair brake warning light bulb or combination meter assembly.**

OK

7	**Check for short circuit in harness and connector between brake warning light and ABS & BA & TRC & VSC ECU (See page IN−35).**

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

OK

8	**Check voltage of the ECU−IG power source.**

In case of using the hand−held tester:

PREPARATION:

(a) Connect the hand−held tester to the DLC3.
(b) Turn the ignition switch ON and push the hand−held tester main switch ON.
(c) Select the DATALIST mode on the hand−held tester.

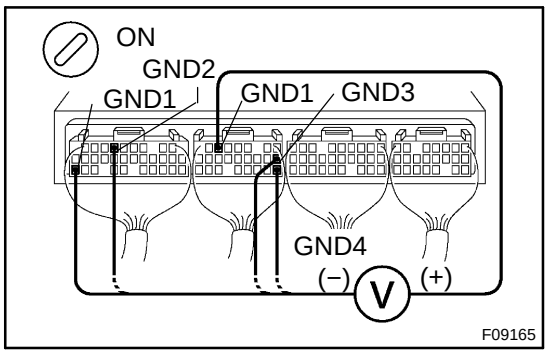
CHECK:

Check the voltage condition output from the ECU displayed on the hand−held tester.

OK:

"Normal" is displayed.

In case of not using the hand−held tester:



PREPARATION:

Remove ABS & BA & TRC & VSC ECU with connectors still connected.

CHECK:

(a) Turn the ignition switch ON.
(b) Measure voltage between terminals IG1 and GND of ABS & BA & TRC & VSC ECU connector.

OK:

Voltage: 10 − 14 V

NG → **Check and replace harnedd or connector.**

OK

Check and repair ABS & BA & TRC & VSC ECU.