

Power source circuit (Body ECU (Sub))

CIRCUIT DESCRIPTION

This circuit supplies power to operate the Body ECU (Sub).

BECU	Power source of body ECU (Sub) CPU
SIG	Power source of body ECU (Sub) CPU
W	Power source of rear wiper system
BSTP	Power source of stop light system
BTIL	Power source of taillight system

Cowl Side J/B RH

25 ECU-B2 71
3B 3Q
L-O SB

Engine Room J/B

24 BAT Short Pin (A) 1
1B 2 1C
B-G B-G

Cowl Side J/B LH

22 15
2Q 2K
1 IG1 No. 2 Relay RR WIPER 2
2C 5 3 ECU-IG1 23
STOP 31
35 35
2D 2K
G-W

Sub Body ECU

4 BECU
2 W
3 SIG
13 BSTP
7 BTIL
1 RWLM
14 RWSM
24 SG
25 GND

Engine Room J/B

2 TAIL Relay TAIL 60
1C 1B
B-G G

R28 Rear Wiper Motor

+1 3
L 1
L-Y 4
W-B 2
- 2

FL Block

1 J/B No. 1
1 J/B No. 2
2 MAIN
F16 F17 F16
B-G B-G B-G

S5 Stop Light SW

1 2

Cowl Side J/B LH

7 2K
BR
W-B

Battery

5 BK2 (*2)
3 BK2 (*1)
6 BS3
W-B W-B W-B

BJ IG BJ

***1: w/ LEXUS Navigation System**
***2: w/o LEXUS Navigation System**

INSPECTION PROCEDURE

1	Check ECU-B2, ECU-IG, RR WIP, STOP and TAIL fuse.
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CHECK:

Check continuity of ECU-B2, ECU-IG, RR WIP, STOP and TAIL fuse.

OK:

Continuity

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Replace faulty fuse.

OK

2	Check voltage between terminals BECU, SIG, W, BSTP, BTIL and GND or SG of body ECU (Sub) connector.
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PREPARATION:

Turn the ignition switch ON.

CHECK:

Measure voltage between terminal SIG, W and GND or SG.

PREPARATION:

- (a) Turn the ignition switch OFF.
- (b) Disconnect the body ECU (Sub) connector.

CHECK:

Measure voltage between terminal BECU and GND or SG .

PREPARATION:

- (a) Disconnect the body ECU (Sub) connector.
- (b) Depress the brake pedal (Stop light switch ON).

CHECK:

Measure voltage between terminal BSTP and GND or SG .

PREPARATION:

- (a) Disconnect the body ECU (Sub) connector.
- (b) Turn the light control switch TAIL or HEAD position.

CHECK:

Measure voltage between terminal BTIL and GND or SG .

OK:

Voltage: 10 – 14V

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-1412](#)).

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3	Check wire harness and connector between Body ECU (SUB) and body ground (See page IN-36).
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Repair or replace wire harness or connector.

OK

Proceed to next circuit inspection shown on
problem symptoms table
(See page [DI-1412](#)).