

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

The diagram illustrates the electrical connections for the Body ECU (Sub). Key components and their connections include:

- Cowl Side J/B RH:** Contains terminals 25 (ECU-B2), 71 (3Q), and 3B. It is connected to the L-O line.
- Engine Room J/B:** Contains terminals 24 (1B), BAT, Short Pin (A), 1 (1C), and 2. It is connected to the B-G line.
- Cowl Side J/B LH:** Contains terminals 22 (2Q), 1 (2C), 35 (2D), 15 (2K), 2 (2K), 23 (2K), 31 (2D), 35 (2K), 2 (2K), 23 (2K), 31 (2D), 35 (2K), 2 (2K), 23 (2K), 31 (2D), 35 (2K). It is connected to the L-W, L, B-W, G-R, G-W, and G lines.
- Engine Room J/B (Bottom):** Contains terminals 2 (1C), TAIL Relay, TAIL, 60 (1B), and 5. It is connected to the B-G line.
- R28 Rear Wiper Motor:** Connected to the L-O line.
- FL Block:** Contains terminals 1 (F16), J/B No.1, J/B No.2, ALT, 1 (F17), MAIN, and 2 (F16). It is connected to the B-G line.
- Body ECU (Sub):** Contains terminals 4 (S26), 2 (S26), 3 (S26), 13 (S26), 7 (S26), 1 (S26), 14 (S26), 24 (S26), and 25 (S26). It is connected to the L-W, L, B-W, G-R, G-W, G, L-B, L, L-Y, W-B, and BR lines.
- Other Components:** Includes the IG1 No.2 Relay, RR WIPER, ECU-IG1, STOP, S5 Stop Light SW, BK1, BS1, BS3, and the Battery.

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-1242](#)).

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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-1242](#)).