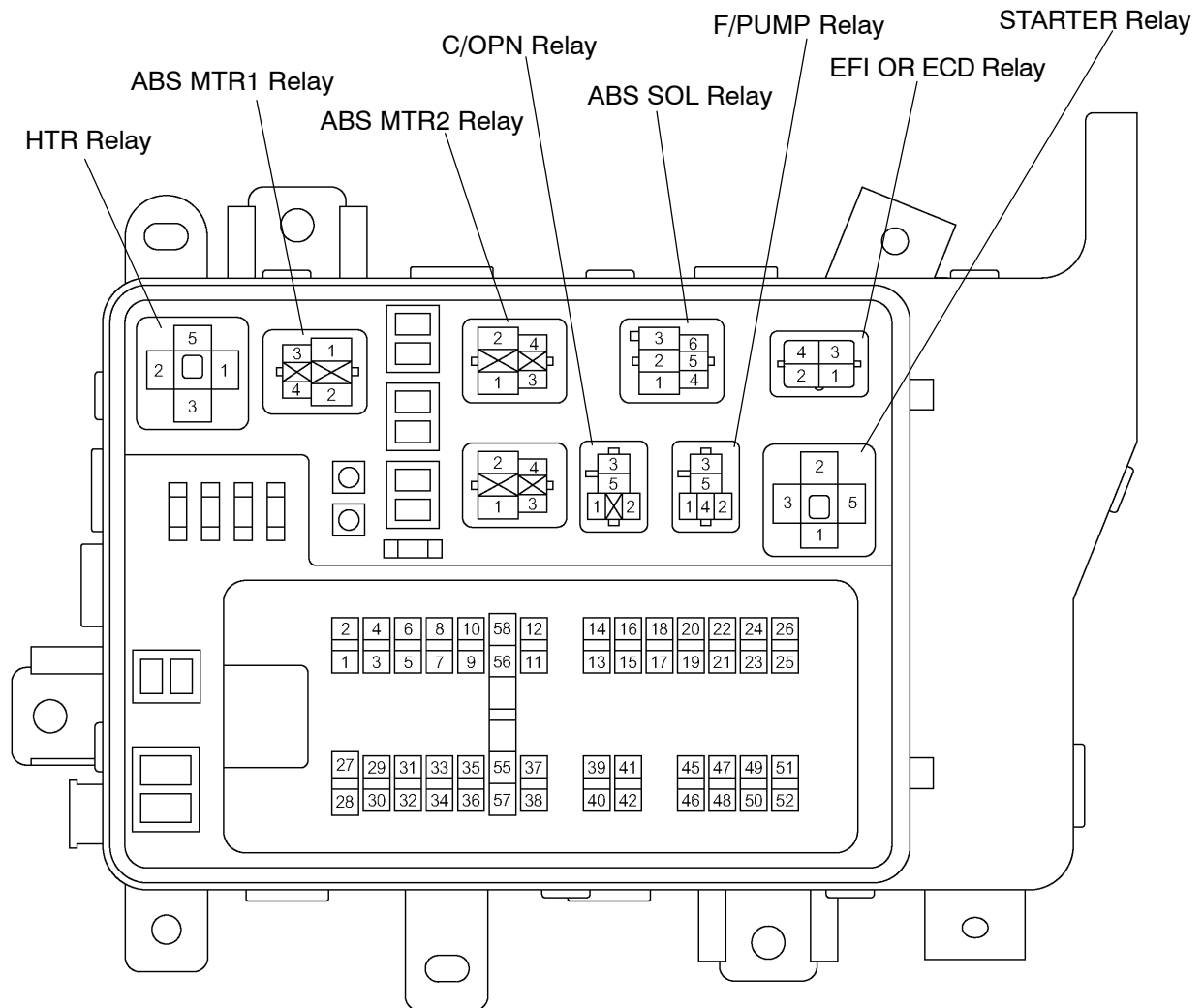


INSPECTION

1. INSPECT ENGINE ROOM RELAY BLOCK CIRCUIT

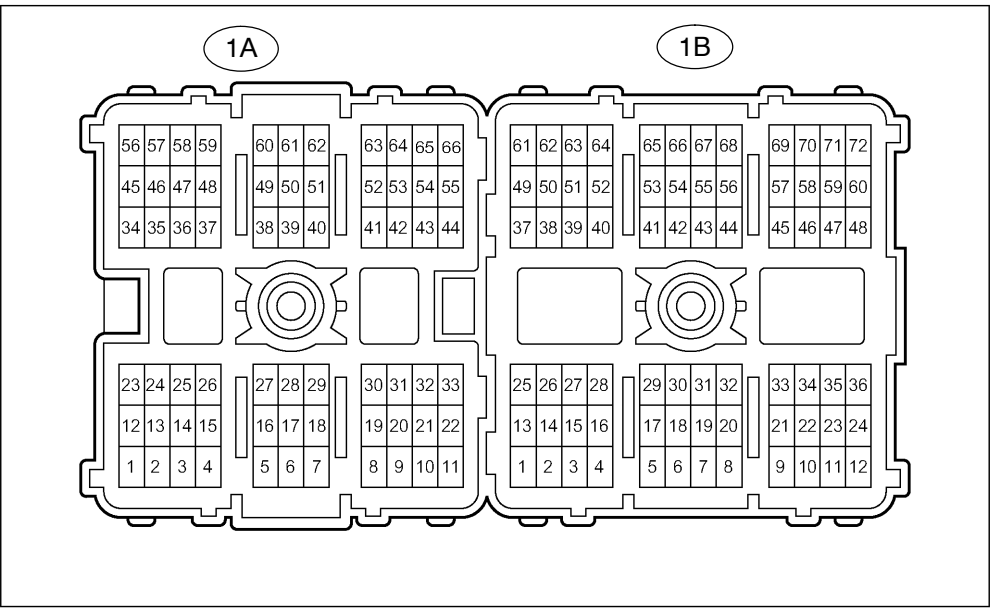
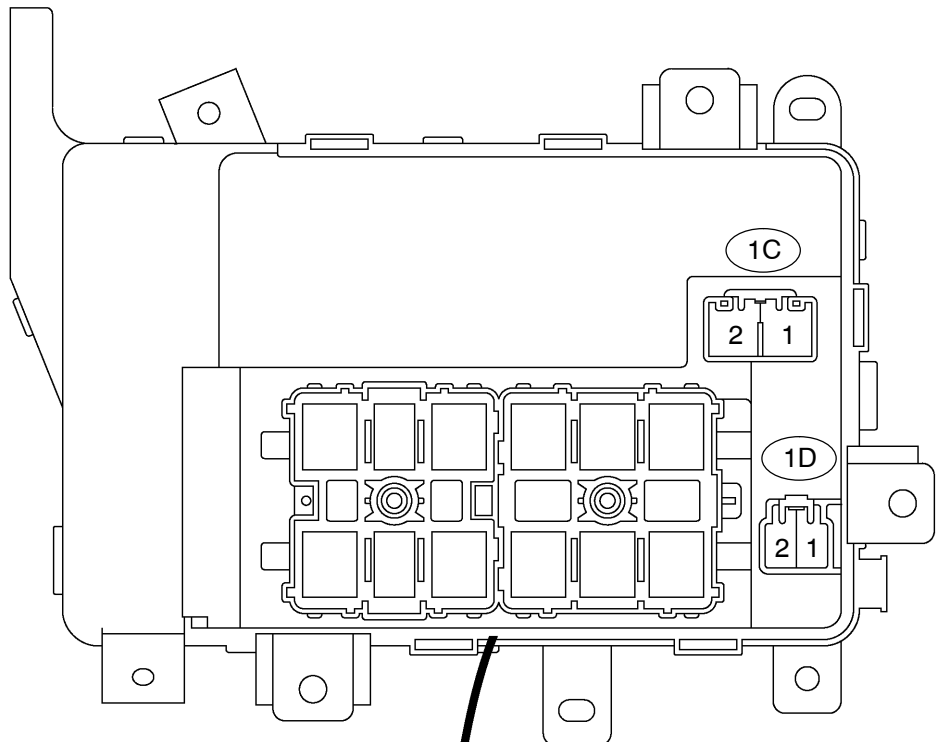
Engine Room Junction Block:



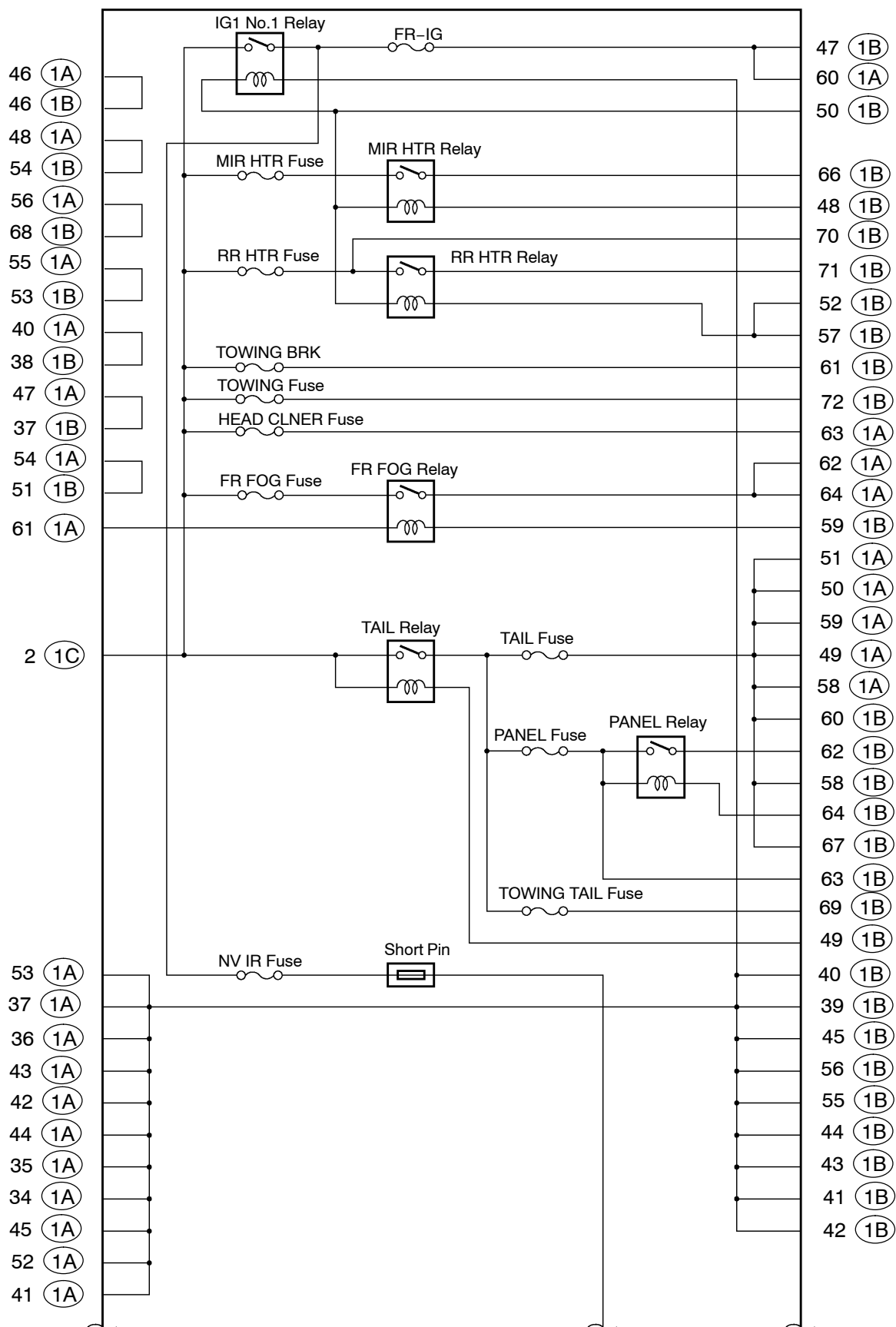
H

I25272

Engine Room Relay Block (Back Side):



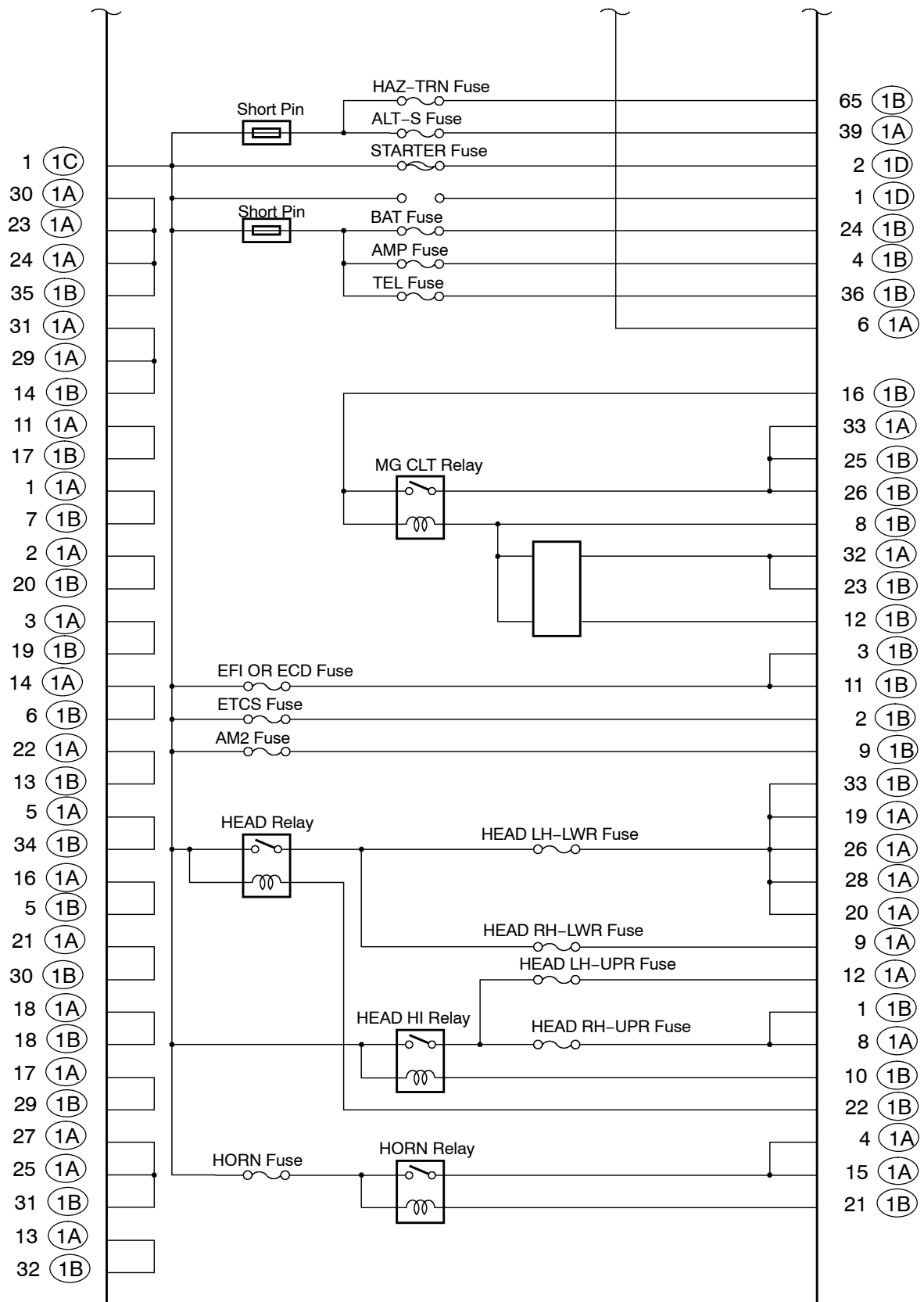
Inner Circuit:



H

I25270

BODY ELECTRICAL - POWER SOURCE



H

I25271

- (a) Remove the fuse from the relay block and inspect the connector on the relay block side.

Fuse	Tester connection	Condition	Specified condition
TOWING	1 – Ground	Always	Battery positive voltage
MIR HTR	3 – Ground	Always	Battery positive voltage
RR HTR	5 – Ground	Always	Battery positive voltage
HAZ-TRN	7 – Ground	Always	Battery positive voltage
ALT-S	9 – Ground	Always	Battery positive voltage
NV-IR	13 – Ground	Always	Battery positive voltage
FR FOG	13 – Ground	Always	Battery positive voltage
TOWING BRK	15 – Ground	Always	Battery positive voltage
HEAD CLNER	17 – Ground	Ignition switch ON	Battery positive voltage
FR-IG	19 – Ground	Ignition switch ON	Battery positive voltage
PANEL	21 – Ground	Light control switch HEAD or TAIL	Battery positive voltage
TOWING TAIL	23 – Ground	Light control switch HEAD or TAIL	Battery positive voltage
TAIL	25 – Ground	Light control switch HEAD or TAIL	Battery positive voltage
BAT	29 – Ground	Always	Battery positive voltage
TEL	31 – Ground	Always	Battery positive voltage
AMP	33 – Ground	Always	Battery positive voltage
EFI or ECD NO.1	35 – Ground	Always	Battery positive voltage
AM2	37 – Ground	Always	Battery positive voltage
ETCS	39 – Ground	Always	Battery positive voltage
HORN	41 – Ground	Always	Battery positive voltage
HEAD LH-UPR	51 – Ground	Light control switch HI or Flash	Battery positive voltage
HEAD RH-UPR	49 – Ground	Light control switch HI or Flash	Battery positive voltage
HEAD LH-LWR	47 – Ground	Light control switch HEAD	Battery positive voltage
HEAD RH-LWR	45 – Ground	Light control switch HEAD	Battery positive voltage
ST1	1 – Ground	Always	Battery positive voltage
AHC	1 – Ground	Always	Battery positive voltage
ABS NO.1	1 – Ground	Always	Battery positive voltage
ABS NO.2	1 – Ground	Always	Battery positive voltage
STARTER	1 – Ground	Always	Battery positive voltage

If the circuit is not as specified, inspect the circuits connected to other parts.

- (b) Remove the relay from the relay block and inspect the connector on the relay block side.

Relay	Tester connection	Condition	Specified condition
AHC	1 – Ground	Ignition switch ON	Battery positive voltage
ABS SOL	1 – Ground	Ignition switch ON	Battery positive voltage
ABS MTR1	1 – Ground	Always	Battery positive voltage
ABS MTR2	1 – Ground	Ignition switch ON	Battery positive voltage
STARTER	5 – Ground	Always	Continuity
STARTER	2 – Ground	Ignition switch ON	Battery positive voltage
EFI or ECD	3 – Ground	Always	Battery positive voltage
C/OPN	5 – Ground	Always	Battery positive voltage
C/OPN	– Ground	Ignition switch ON	Continuity

BODY ELECTRICAL – POWER SOURCE

F/P PUMP	2 – Ground	Ignition switch ON	Battery positive voltage
F/P PUMP	3 – Ground	Ignition switch ON	Continuity
HTR	5 – Ground	Always	Battery positive voltage
HTR	1 – Ground	Ignition switch ON	Continuity

If the circuit is not as specified, inspect the circuits connected to other parts.

- (c) Inspect Engine Room Relay Block Inner Circuit:
Inspect the connector on the relay block side.

HINT:

Remove the relay block from the vehicle.

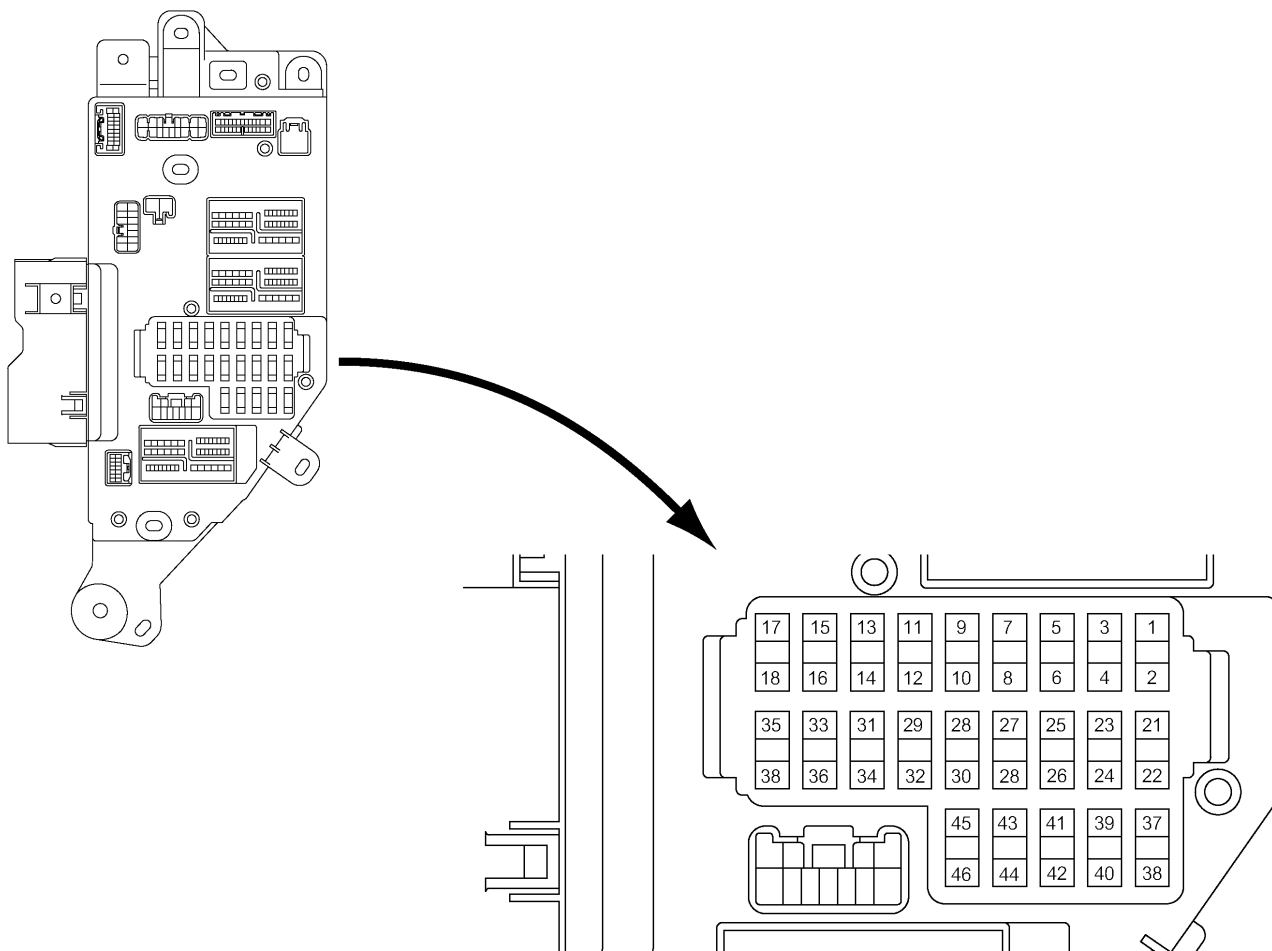
Relay	Tester connection	Condition	Specified condition
IG1 NO.1	50 (1B) – 40 (1B)	Always	Continuity
IG1 NO.1	50 (1B) – 39 (1B)	Always	Continuity
IG1 NO.1	50 (1B) – 45 (1B)	Always	Continuity
IG1 NO.1	50 (1B) – 56 (1B)	Always	Continuity
IG1 NO.1	50 (1B) – 55 (1B)	Always	Continuity
IG1 NO.1	50 (1B) – 44 (1B)	Always	Continuity
IG1 NO.1	50 (1B) – 43 (1B)	Always	Continuity
IG1 NO.1	50 (1B) – 41 (1B)	Always	Continuity
IG1 NO.1	50 (1B) – 42 (1B)	Always	Continuity
IG1 NO.1	2 (1C) – 47 (1B)	Apply B+ between terminals 50 (1B) and 40 (1B).	Continuity
IG1 NO.1	2 (1C) – 60 (1A)	Apply B+ between terminals 50 (1B) and 40 (1B).	Continuity
MIR HTR	50 (1B) – 48 (1B)	Always	Continuity
MIR HTR	2 (1C) – 66 (1B)	Apply B+ between terminals 50 (1B) and 48 (1B).	Continuity
RR HTR	50 (1B) – 52 (1B)	Always	Continuity
RR HTR	50 (1B) – 57 (1B)	Always	Continuity
RR HTR	2 (1C) – 71 (1B)	Apply B+ between terminals 50 (1B) and 52 (1B).	Continuity
RR HTR	70 (1B) – 71 (1B)	Apply B+ between terminals 50 (1B) and 52 (1B).	Continuity
FR FOG	61 (1A) – 59 (1B)	Always	Continuity
FR FOG	2 (1C) – 62 (1A)	Apply B+ between terminals 61 (1A) and 59 (1B).	Continuity
FR FOG	2 (1C) – 64 (1A)	Apply B+ between terminals 61 (1A) and 59 (1B).	Continuity
TAIL	2 (1C) – 49 (1B)	Always	Continuity
TAIL	2 (1C) – 51 (1A)	Apply B+ between terminals 2 (1C) and 49 (1B).	Continuity
TAIL	2 (1C) – 50 (1A)	Apply B+ between terminals 2 (1C) and 49 (1B).	Continuity
TAIL	2 (1C) – 59 (1A)	Apply B+ between terminals 2 (1C) and 49 (1B).	Continuity
TAIL	2 (1C) – 49 (1A)	Apply B+ between terminals 2 (1C) and 49 (1B).	Continuity
TAIL	2 (1C) – 58 (1A)	Apply B+ between terminals 2 (1C) and 49 (1B).	Continuity
TAIL	2 (1C) – 60 (1B)	Apply B+ between terminals 2 (1C) and 49 (1B).	Continuity
TAIL	2 (1C) – 58 (1B)	Apply B+ between terminals 2 (1C) and 49 (1B).	Continuity
TAIL	2 (1C) – 67 (1B)	Apply B+ between terminals 2 (1C) and 49 (1B).	Continuity
TAIL	2 (1C) – 69 (1B)	Apply B+ between terminals 2 (1C) and 49 (1B).	Continuity
PANEL	2 (1C) – 64 (1B)	Apply B+ between terminals 2 (1C) and 49 (1B).	Continuity
HEAD	1 (1C) – 22 (1B)	Always	Continuity
HEAD	1 (1C) – 33 (1B)	Apply B+ between terminals 1 (1C) and 22 (1B).	Continuity
HEAD	1 (1C) – 19 (1A)	Apply B+ between terminals 1 (1C) and 22 (1B).	Continuity
HEAD	1 (1C) – 26 (1A)	Apply B+ between terminals 1 (1C) and 22 (1B).	Continuity

HEAD	1 (1C) – 28 (1A)	Apply B+ between terminals 1 (1C) and 22 (1B).	Continuity
HEAD	1 (1C) – 20 (1A)	Apply B+ between terminals 1 (1C) and 22 (1B).	Continuity
HEAD	1 (1C) – 9 (1A)	Apply B+ between terminals 1 (1C) and 22 (1B).	Continuity
HEAD HI	1 (1C) – 10 (1B)	Always	Continuity
HEAD HI	1 (1C) – 12 (1A)	Apply B+ between terminals 1 (1C) and 10 (1B).	Continuity
HEAD HI	1 (1C) – 1 (1B)	Apply B+ between terminals 1 (1C) and 10 (1B).	Continuity
HEAD HI	1 (1C) – 8 (1A)	Apply B+ between terminals 1 (1C) and 10 (1B).	Continuity
HORN	1 (1C) – 21 (1B)	Always	Continuity
HORN	1 (1C) – 4 (1A)	Apply B+ between terminals 1 (1C) and 21 (1B).	Continuity
HORN	1 (1C) – 15 (1A)	Apply B+ between terminals 1 (1C) and 21 (1B).	Continuity

If the circuit is not as specified, replace it with relay block assembly.

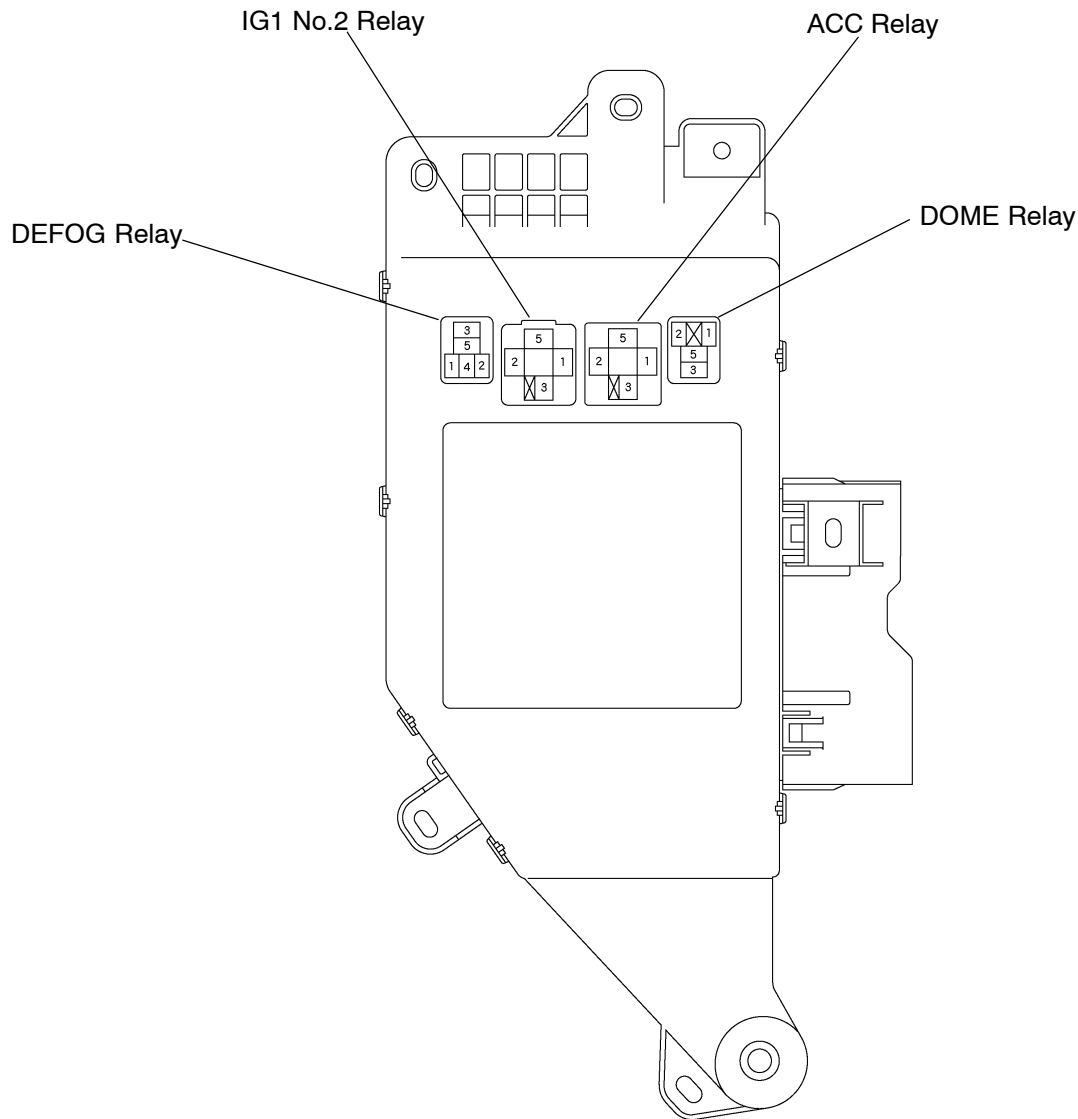
HINT:

The relay is built in the engine room junction block. Also the relay is constructed with a relay block that is in the junction block as a unit. To disconnect the wire harness connecting with relay block is impossible. If the relay has a malfunction, replace it with the relay block assembly wire harness together.

2. INSPECT COWL SIDE JUNCTION BLOCK LH CIRCUIT**Cowl Side Junction Block LH:**

H

I25273

Cowl Side Junction Block LH (Back Side):

I25274

- (a) Remove the fuse from the junction block and inspect the connector on the junction block side.

Fuse	Tester connection	Condition	Specified condition
AHC-IG	2 - Ground	Ignition switch ON	Battery positive voltage
POWER HTR	4 - Ground	Ignition switch ON	Battery positive voltage
FUEL HTR	6 - Ground	Ignition switch ON	Battery positive voltage
AHC-B	8 - Ground	Always	Battery positive voltage
DEFOG	10 - Ground	Always	Battery positive voltage
AM1	12 - Ground	Always	Battery positive voltage
ACC	13 - Ground	Ignition switch ACC	Battery positive voltage
CIG	15 - Ground	Ignition switch ACC	Battery positive voltage
PWR OUTLET	17 - Ground	Ignition switch ACC	Battery positive voltage
OBD-2	20 - Ground	Always	Battery positive voltage

BODY ELECTRICAL – POWER SOURCE

STOP	22 – Ground	Always	Battery positive voltage
A/C	24 – Ground	Ignition switch ON	Battery positive voltage
BATT CHARGE	26 – Ground	Always	Battery positive voltage
DBL LOCK	39 – Ground	Always	Battery positive voltage
ECU-B1	29 – Ground	Always	Battery positive voltage
ECU-IG1	32 – Ground	Ignition switch ON	Battery positive voltage
GAUGE1	34 – Ground	Ignition switch ON	Battery positive voltage
EFI or ECD NO.2	35 – Ground	Always	Battery positive voltage
RR WIPER	37 – Ground	Ignition switch ON	Battery positive voltage
SUN ROOF	39 – Ground	Always	Battery positive voltage
DOOR	41 – Ground	Always	Battery positive voltage
LH SEAT	43 – Ground	Always	Battery positive voltage
IDLE UP	46 – Ground	Rear defogger system ON	Battery positive voltage

If the circuit is not as specified, inspect the circuits connected to other parts.

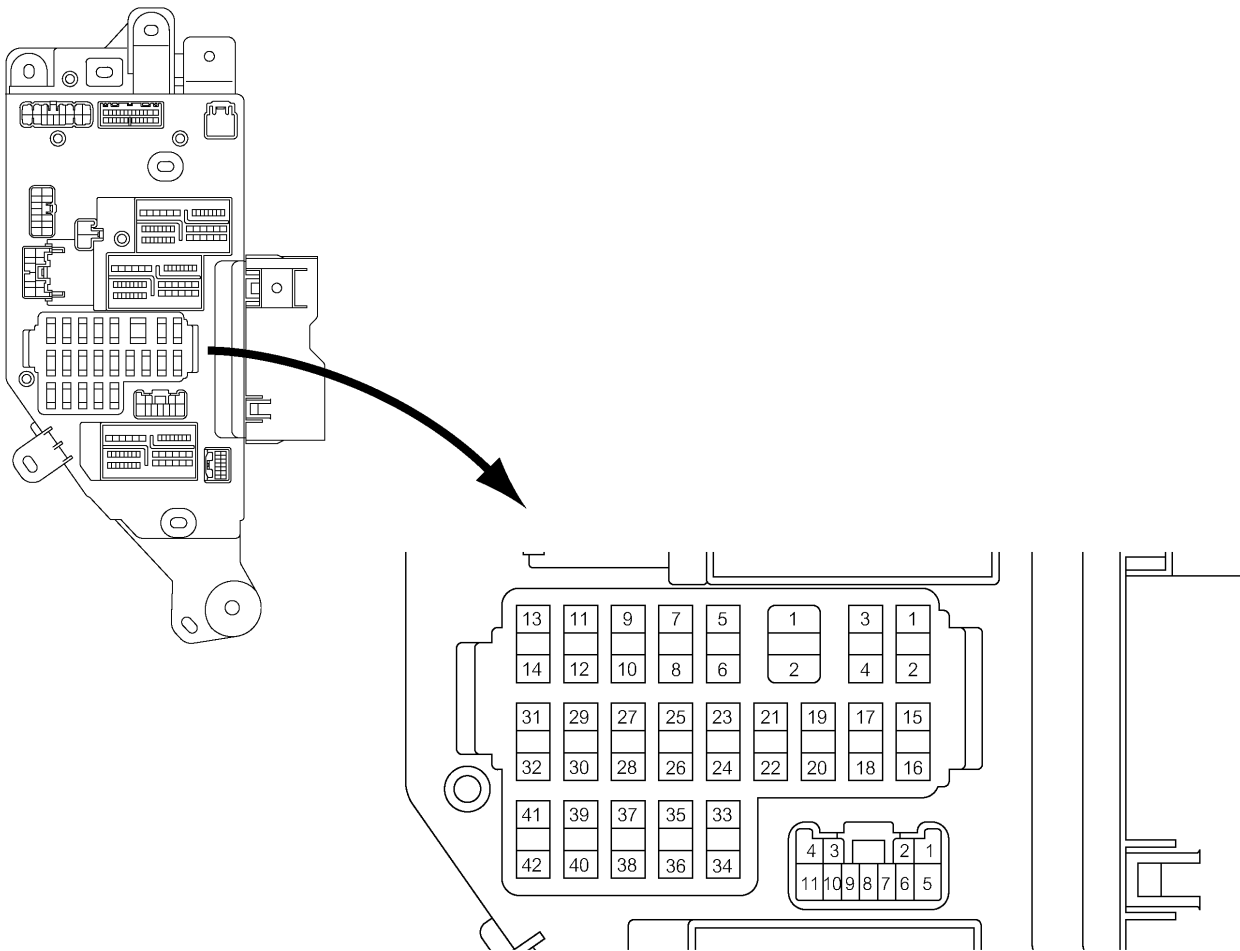
- (b) Remove the relay from the junction block and inspect the connector on the junction block side.

Relay	Tester connection	Condition	Specified condition
DOME	1 – Ground	Always	Battery positive voltage
DOME	5 – Ground	Always	Battery positive voltage
ACC	5 – Ground	Always	Battery positive voltage
ACC	2 – Ground	Ignition switch ON	Battery positive voltage
IG1 NO.2	5 – Ground	Always	Battery positive voltage
IG1 NO.2	2 – Ground	Ignition switch ON	Battery positive voltage
DEFOG	5 – Ground	Always	Battery positive voltage
DEFOG	1 – Ground	Ignition switch ON	Battery positive voltage

If the circuit is not as specified, inspect the circuits connected to other parts.

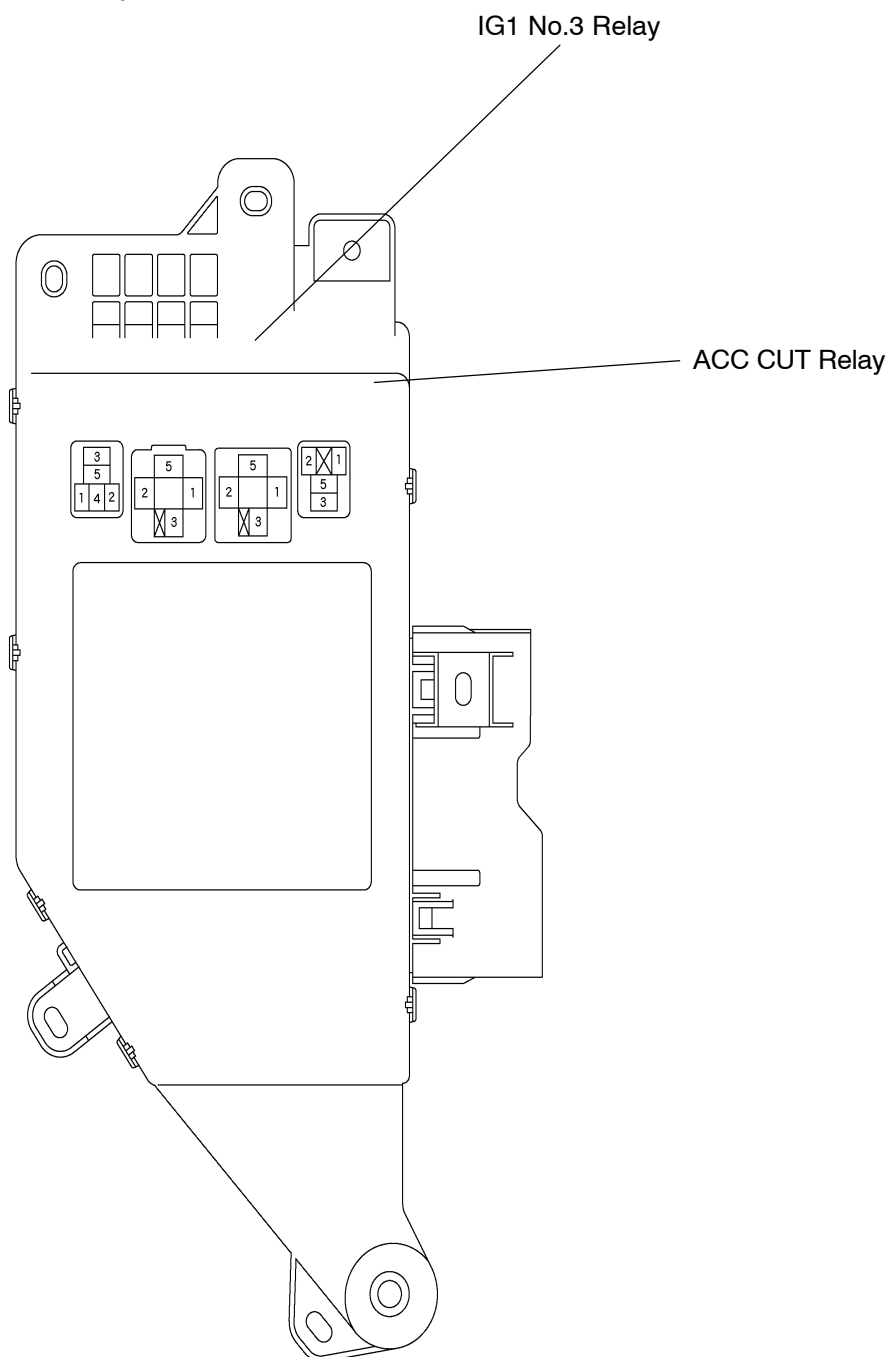
3. INSPECT COWL SIDE JUNCTION BLOCK RH CIRCUIT

Cowl Side Junction Block RH:



H

I25276

Cowl Side Junction Block RH (Back Side):

I25274

- (a) Remove the fuse from the junction block and inspect the connector on the junction block side.

Fuse	Tester connection	Condition	Specified condition
P/W (RL)	2 – Ground	Always	Battery positive voltage
P/W (FL)	4 – Ground	Always	Battery positive voltage
VGRS	2 – Ground	Always	Battery positive voltage
DOME	5 – Ground	Always	Battery positive voltage
RADIO	7 – Ground	Always	Battery positive voltage
WASHER	10 – Ground	Ignition switch ON	Battery positive voltage

DIFF	12 – Ground	Ignition switch ON	Battery positive voltage
ECU-B2	13 – Ground	Always	Battery positive voltage
P/W (FR)	15 – Ground	Always	Battery positive voltage
P/W (RR)	17 – Ground	Always	Battery positive voltage
SECURITY	20 – Ground	Always	Battery positive voltage
IGN	21 – Ground	Ignition switch ON	Battery positive voltage
MET	23 – Ground	Ignition switch ON	Battery positive voltage
GAUGE2	25 – Ground	Ignition switch ON	Battery positive voltage
SEAT HTR	27 – Ground	Ignition switch ON	Battery positive voltage
ECU-IG2	29 – Ground	Ignition switch ON	Battery positive voltage
WIPER	31 – Ground	Ignition switch ON	Battery positive voltage
RH SEAT	33 – Ground	Always	Battery positive voltage
RR A/C	35 – Ground	Always	Battery positive voltage
TIL & TEL	37 – Ground	Always	Battery positive voltage

If the circuit is not as specified, inspect the circuits connected to other parts.

Remove the relay from the junction block and inspect the connector on the junction block side.

Relay	Tester connection	Condition	Specified condition
ACC CUT	2 – Ground	Always	Battery positive voltage
ACC CUT	4 – Ground	Ignition Switch ACC	Battery positive voltage
IG1 NO.3	5 – Ground	Always	Battery positive voltage
IG1 NO.3	2 – Ground	Ignition Switch ON	Battery positive voltage

If the circuit is not as specified, inspect the circuits connected to other parts.