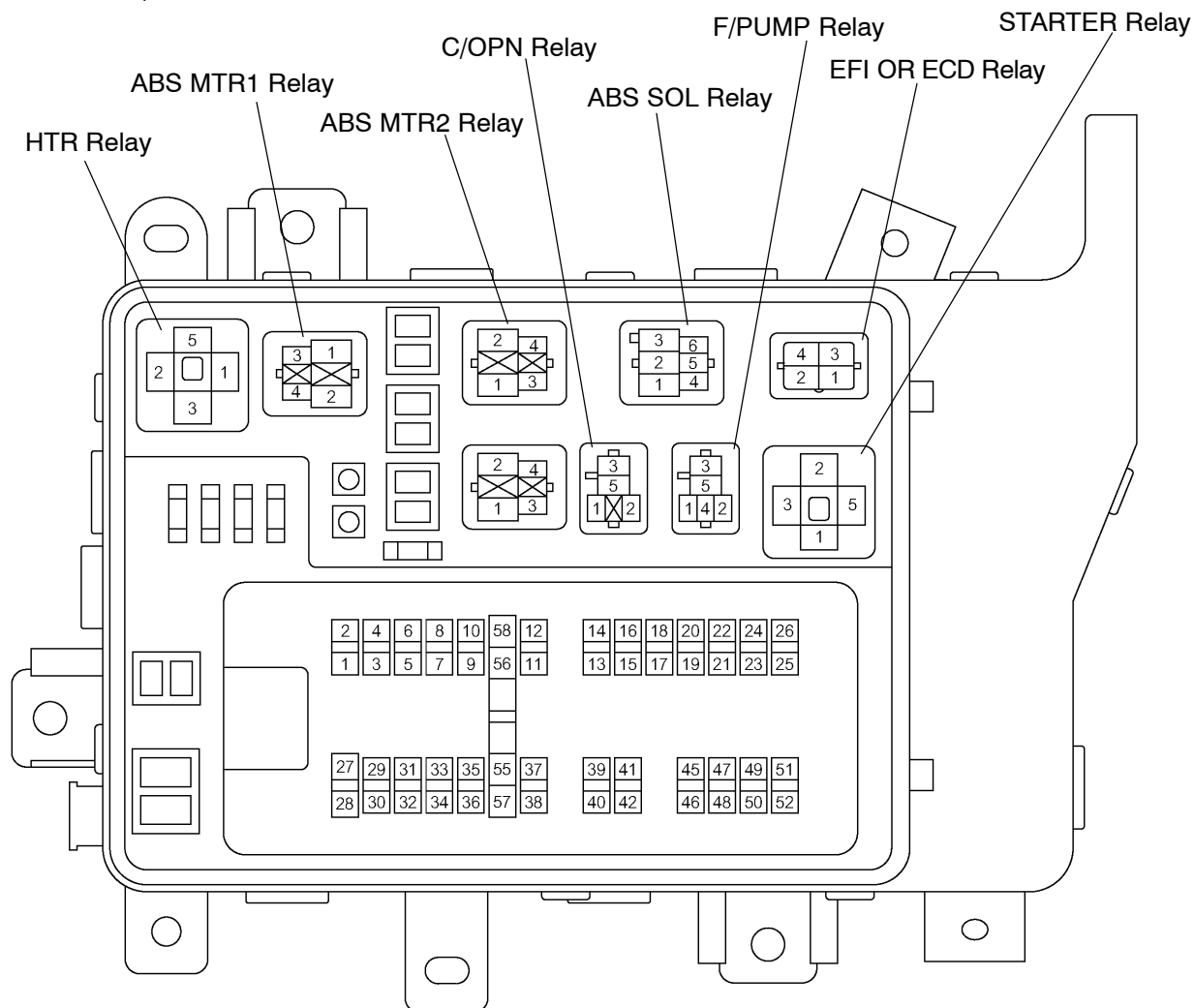


# INSPECTION

## 1. INSPECT ENGINE ROOM R/B CIRCUIT

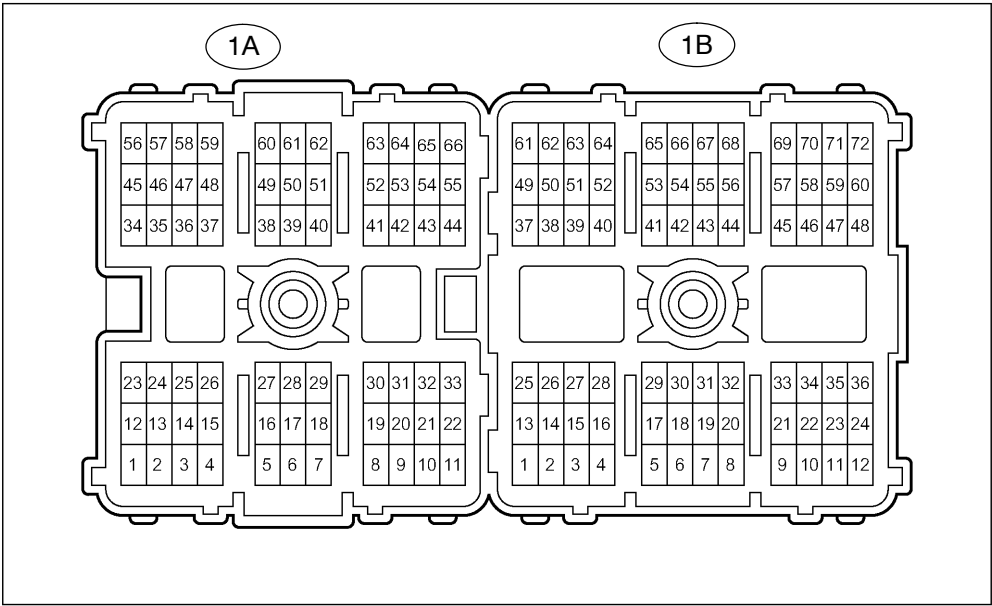
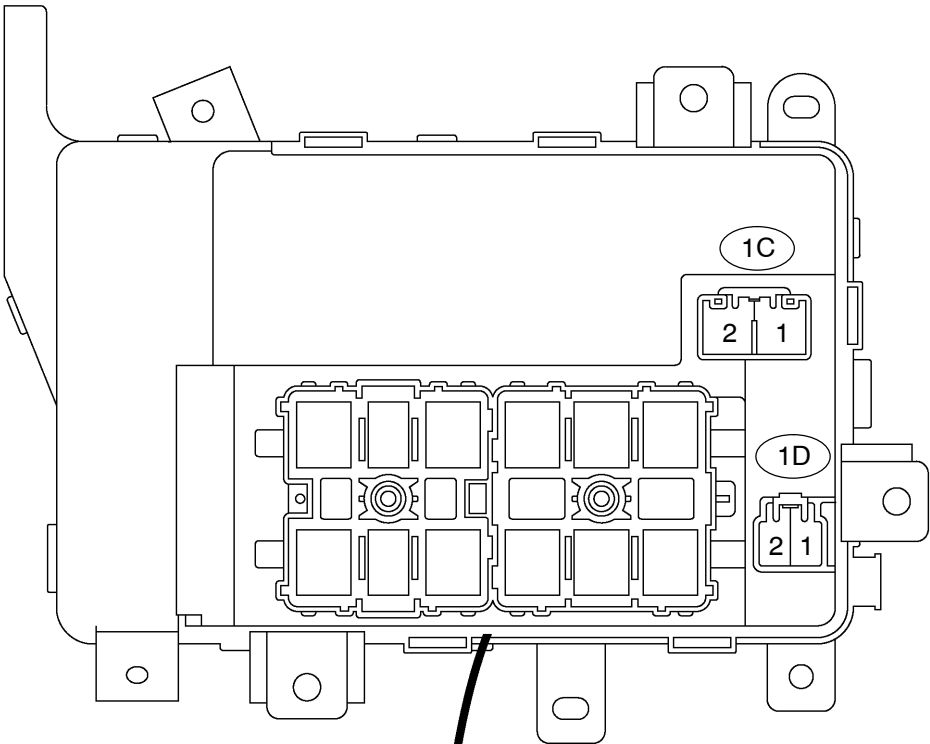
### Engine Room R/B:

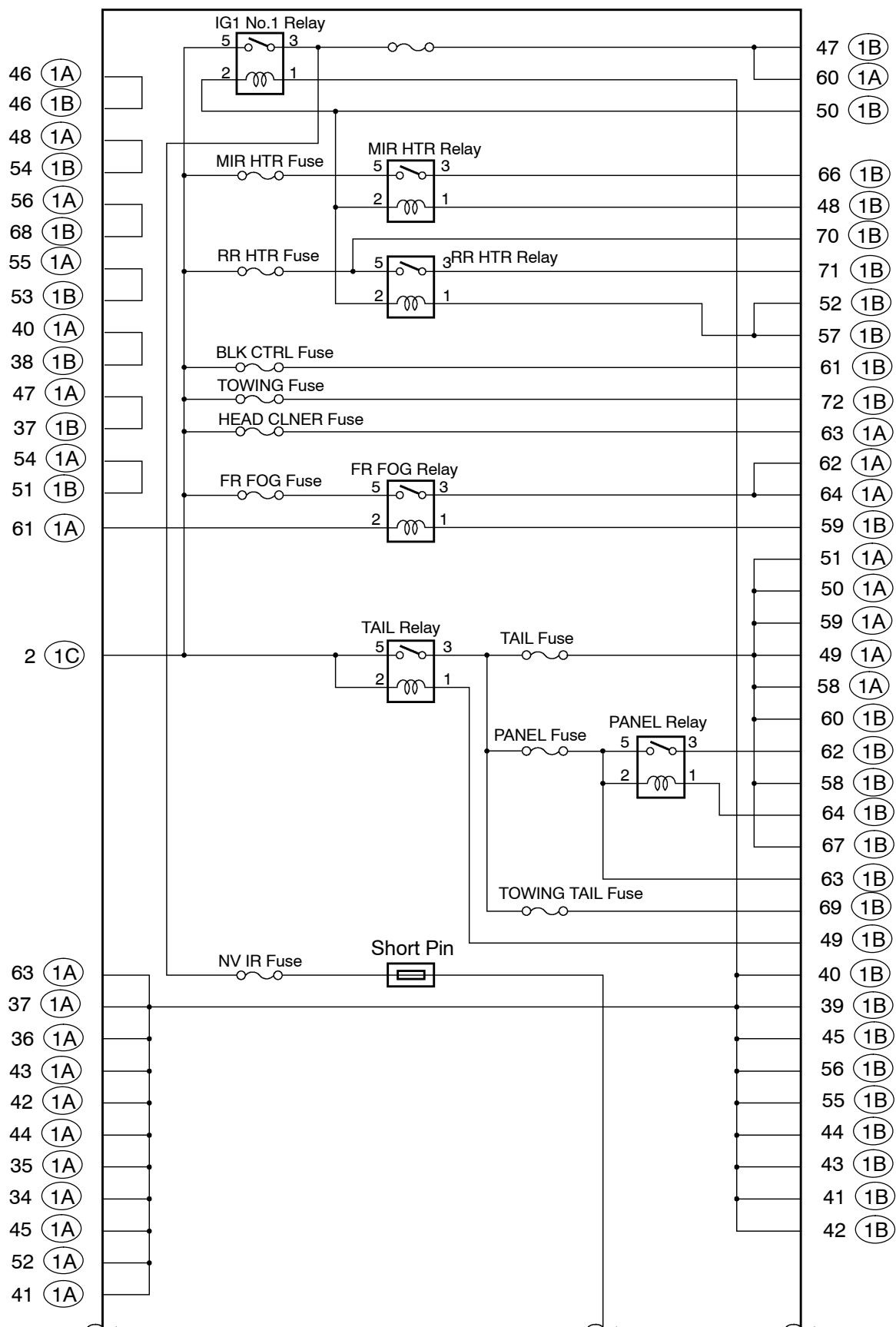


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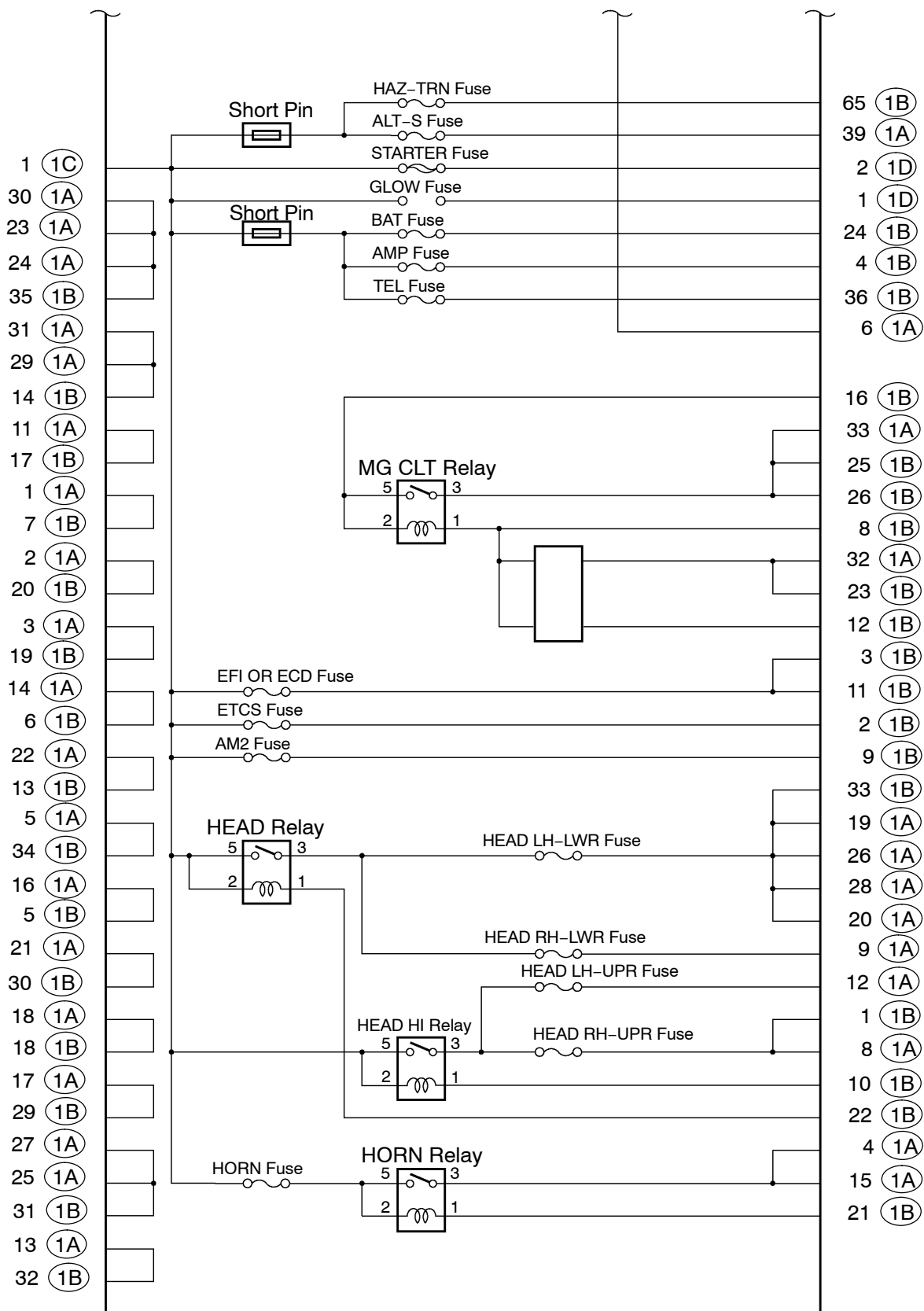
Engine Room R/B (Back Side):





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## BODY ELECTRICAL – POWER SOURCE

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

| Fuse            | Tester connection | Condition                         | Specified condition      |
|-----------------|-------------------|-----------------------------------|--------------------------|
| TOWING          | 1 – Ground        | Constant                          | Battery positive voltage |
| MIR HTR         | 3 – Ground        | Constant                          | Battery positive voltage |
| RR HTR          | 5 – Ground        | Constant                          | Battery positive voltage |
| HAZ-TRN         | 7 – Ground        | Constant                          | Battery positive voltage |
| ALT-S           | 9 – Ground        | Constant                          | Battery positive voltage |
| NV-IR           | 13 – Ground       | Constant                          | Battery positive voltage |
| FR FOG          | 13 – Ground       | Constant                          | Battery positive voltage |
| BRK CTRL        | 15 – Ground       | Constant                          | 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       | Constant                          | Battery positive voltage |
| TEL             | 31 – Ground       | Constant                          | Battery positive voltage |
| AMP             | 33 – Ground       | Constant                          | Battery positive voltage |
| EFI or ECD NO.1 | 35 – Ground       | Constant                          | Battery positive voltage |
| AM2             | 37 – Ground       | Constant                          | Battery positive voltage |
| ETCS            | 39 – Ground       | Constant                          | Battery positive voltage |
| HORN            | 41 – Ground       | Constant                          | 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        | Constant                          | Battery positive voltage |
| AHC             | 1 – Ground        | Constant                          | Battery positive voltage |
| ABS NO.1        | 1 – Ground        | Constant                          | Battery positive voltage |
| ABS NO.2        | 1 – Ground        | Constant                          | Battery positive voltage |
| STARTER         | 1 – Ground        | Constant                          | 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 junction 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        | Constant           | Battery positive voltage |
| ABS MTR2       | 1 – Ground        | Ignition switch ON | Battery positive voltage |
| STARTER        | 5 – Ground        | Constant           | Continuity               |
| STARTER        | 2 – Ground        | Ignition switch ON | Battery positive voltage |
| EFI or ECD     | 3 – Ground        | Constant           | Battery positive voltage |
| C/OPN SPIL VLV | 5 – Ground        | Constant           | Battery positive voltage |
| C/OPN SPIL VLV | 2 – Ground        | Ignition switch ON | Continuity               |

|                                             |                    |                          |
|---------------------------------------------|--------------------|--------------------------|
| F/P PUMP<br>ST CUT<br>VISC MG<br>2 – Ground | Ignition switch ON | Battery positive voltage |
| F/P PUMP<br>ST CUT<br>VISC MG<br>3 – Ground | Ignition switch ON | Continuity               |
| HTR<br>5 – Ground                           | Constant           | Battery positive voltage |
| HTR<br>1 – Ground                           | Ignition switch ON | Continuity               |

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

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

HINT:

Remove the junction block from the vehicle.

| Relay    | Tester connection | Condition                                       | Specified condition |
|----------|-------------------|-------------------------------------------------|---------------------|
| IG1 NO.1 | 50 (1B) – 40 (1B) | Constant                                        | Continuity          |
| IG1 NO.1 | 50 (1B) – 39 (1B) | Constant                                        | Continuity          |
| IG1 NO.1 | 50 (1B) – 45 (1B) | Constant                                        | Continuity          |
| IG1 NO.1 | 50 (1B) – 56 (1B) | Constant                                        | Continuity          |
| IG1 NO.1 | 50 (1B) – 55 (1B) | Constant                                        | Continuity          |
| IG1 NO.1 | 50 (1B) – 44 (1B) | Constant                                        | Continuity          |
| IG1 NO.1 | 50 (1B) – 43 (1B) | Constant                                        | Continuity          |
| IG1 NO.1 | 50 (1B) – 41 (1B) | Constant                                        | Continuity          |
| IG1 NO.1 | 50 (1B) – 42 (1B) | Constant                                        | 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) | Constant                                        | Continuity          |
| MIR HTR  | 2 (1C) – 66 (1B)  | Apply B+ between terminals 50 (1B) and 48 (1B). | Continuity          |
| RR HTR   | 50 (1B) – 52 (1B) | Constant                                        | Continuity          |
| RR HTR   | 50 (1B) – 57 (1B) | Constant                                        | 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) | Constant                                        | 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)  | Constant                                        | 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          |

## BODY ELECTRICAL – POWER SOURCE

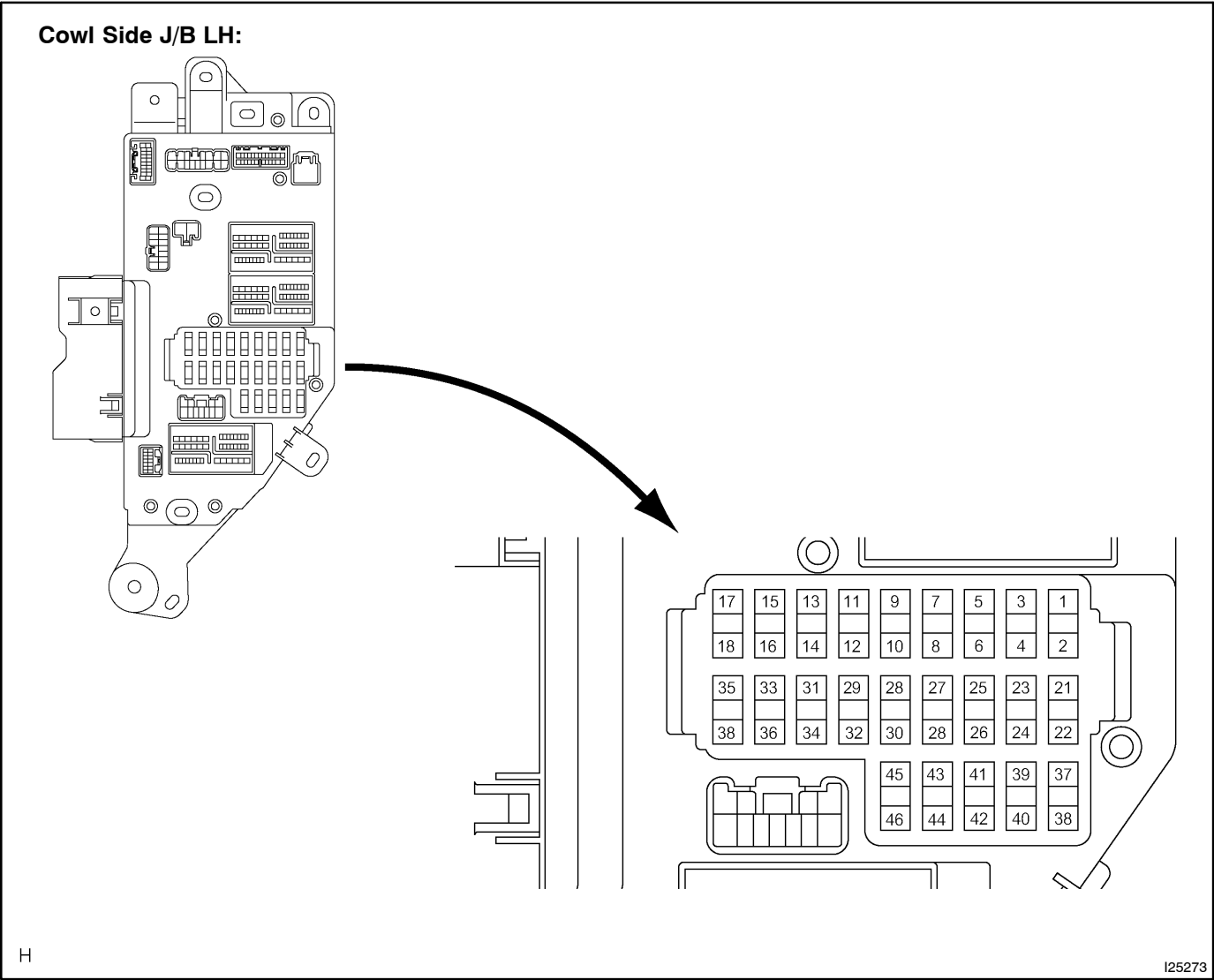
|         |                  |                                                |            |
|---------|------------------|------------------------------------------------|------------|
| HEAD    | 1 (1C) – 22 (1B) | Constant                                       | Continuity |
| HEAD    | 1 (1C) – 33 (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) | Constant                                       | 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) | Constant                                       | 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 |

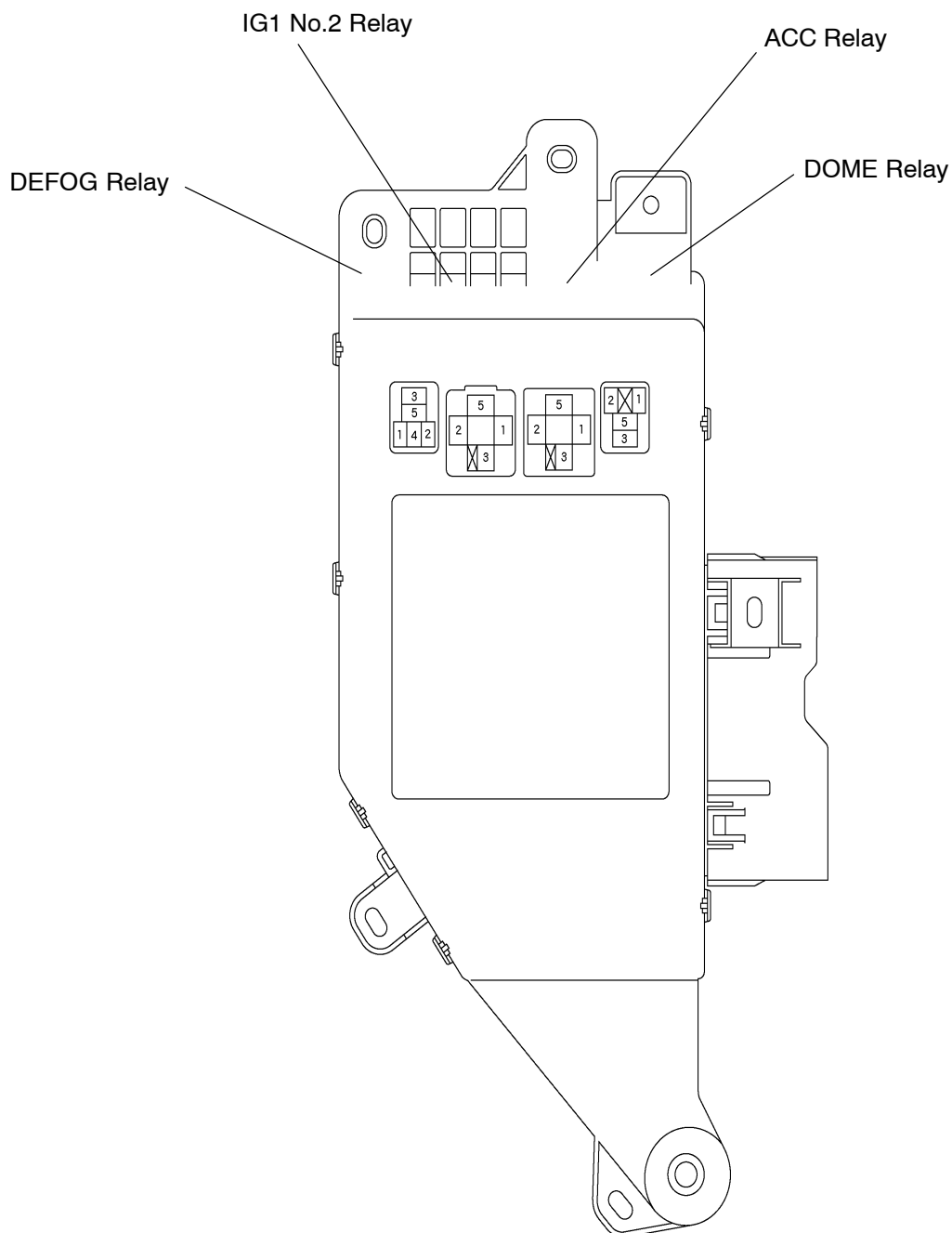
If the circuit is not as specified, replace it with junction block assembly.

**HINT:**

The relay is built in 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 junction block assembly wire harness together.

2. INSPECT COWL SIDE J/B LH CIRCUIT



**Cowl Side J/B LH (Back Side):**

I25274

- (a) Remove the fuse from the junction block and inspect the connector on 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        | Constant           | Battery positive voltage |
| DEFOG     | 10 - Ground       | Constant           | Battery positive voltage |
| AM1       | 12 - Ground       | Constant           | 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 | Constant                | Battery positive voltage |
| STOP            | 22 – Ground | Constant                | Battery positive voltage |
| A/C             | 24 – Ground | Ignition switch ON      | Battery positive voltage |
| BATT CHARGE     | 26 – Ground | Constant                | Battery positive voltage |
| DBL LOCK        | 39 – Ground | Constant                | Battery positive voltage |
| ECU-B1          | 29 – Ground | Constant                | 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 | Constant                | Battery positive voltage |
| RR WIPER        | 37 – Ground | Ignition switch ON      | Battery positive voltage |
| SUN ROOF        | 39 – Ground | Constant                | Battery positive voltage |
| DOOR            | 41 – Ground | Constant                | Battery positive voltage |
| LH SEAT         | 43 – Ground | Constant                | 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.

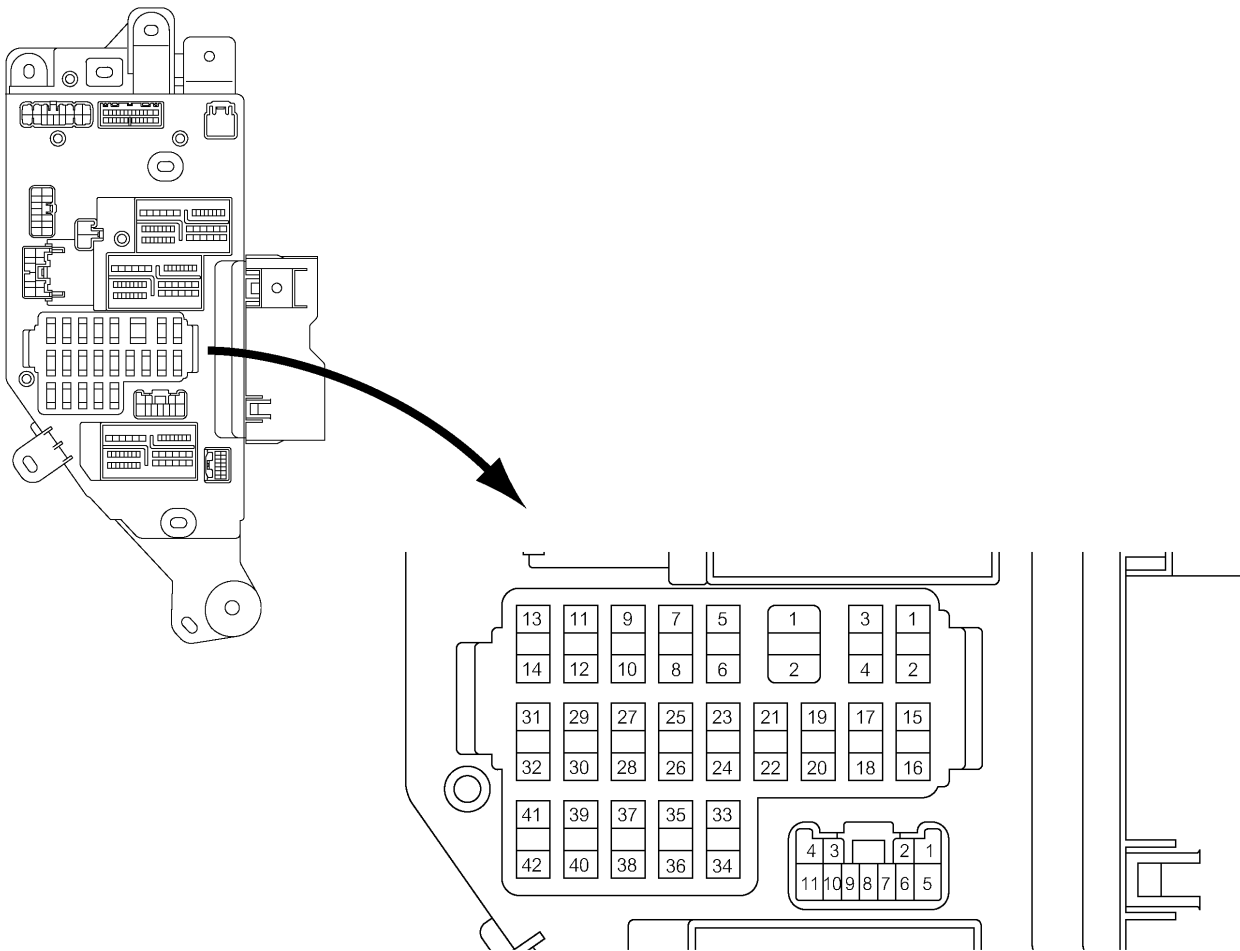
- (b) Remove the relay from the junction block and inspect the connector on junction block side.

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

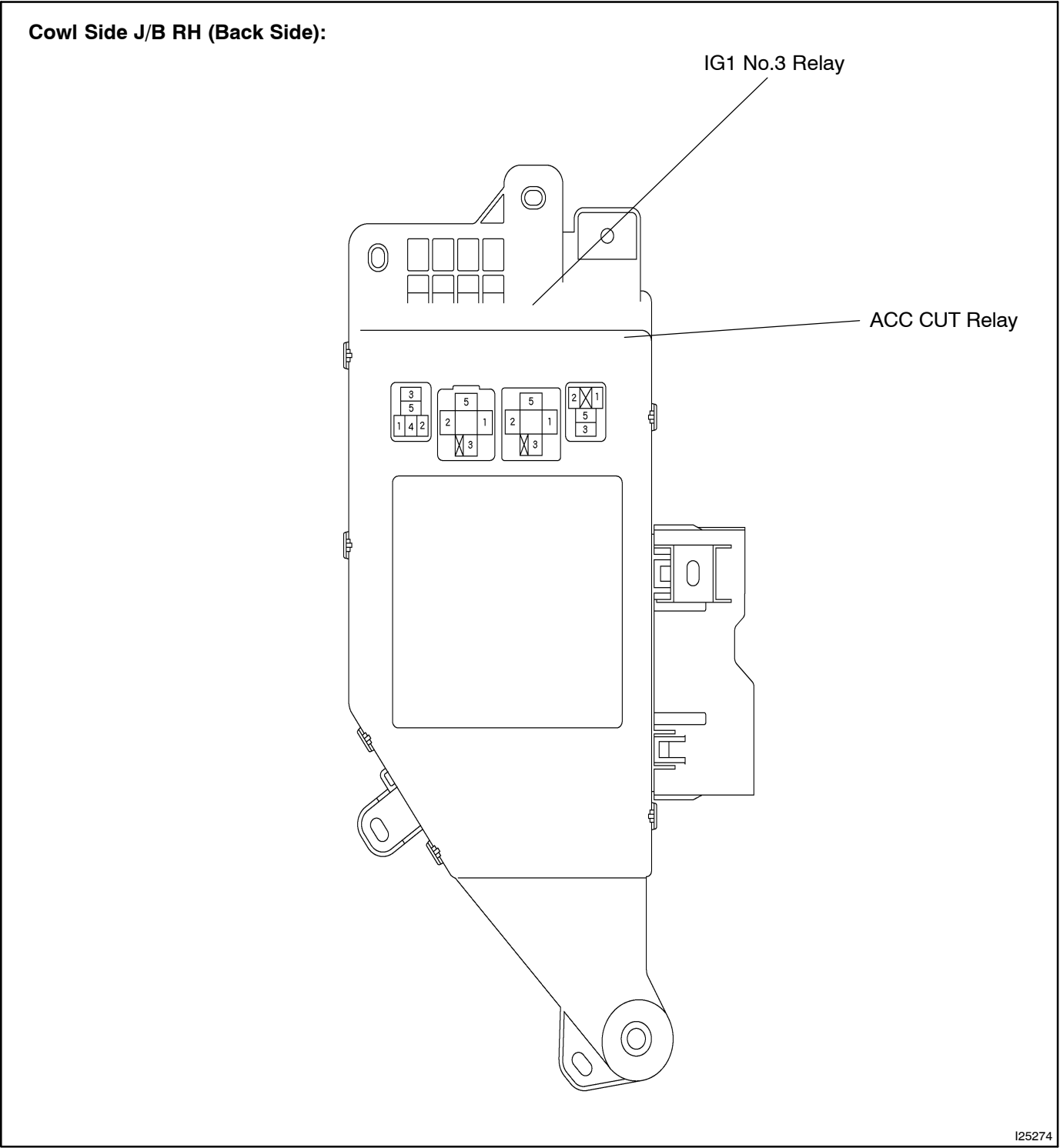
3. INSPECT COWL SIDE J/B RH CIRCUIT

Cowl Side J/B RH:



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

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

## BODY ELECTRICAL - POWER SOURCE

|           |             |                    |                          |
|-----------|-------------|--------------------|--------------------------|
| DIFF      | 12 – Ground | Ignition switch ON | Battery positive voltage |
| ECU-B2    | 13 – Ground | Constant           | Battery positive voltage |
| P/W (FR)  | 15 – Ground | Constant           | Battery positive voltage |
| P/W (RR)  | 17 – Ground | Constant           | Battery positive voltage |
| SECURITY  | 20 – Ground | Constant           | 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 | Constant           | Battery positive voltage |
| RR A/C    | 35 – Ground | Constant           | Battery positive voltage |
| TIL & TEL | 37 – Ground | Constant           | 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 junction block side.

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