



## AIR CONDITIONING AMPLIFIER AMPLIFIER REMOVAL

### 1. REMOVE GLOVE BOX

### 2. REMOVE A/C AMPLIFIER

- (a) Disconnect the connector from the amplifier.
- (b) Remove the amplifier from the cooling unit.

## AMPLIFIER INSTALLATION

### 1. INSTALL A/C AMPLIFIER

- (a) Install the amplifier to the cooling unit.
- (b) Connect the connector.

### 2. INSTALL GLOVE BOX

## AMPLIFIER INSPECTION

### INSPECT A/C AMPLIFIER CONNECTOR ON WIRE HARNESS SIDE

Test conditions:

- Ignition switch ON
- Temperature control lever to MAX COOL
- Blower switch ON

| Tester connection to terminal number | Condition           | Specified value (Continuity)           |
|--------------------------------------|---------------------|--|
| <b>7 – 8</b>                         | Constant            | <b>Continuity</b>                      |
| <b>8 – Ground</b>                    | Constant            | <b>Continuity</b>                      |
| Tester connection to terminal number | Condition           | Specified value (Voltage)              |
| <b>3 – 8</b>                         | Turn A/C switch ON  | <b>Battery positive voltage</b>        |
| <b>3 – 8</b>                         | Turn A/C switch OFF | <b>Battery positive voltage</b>        |
| <b>4 – 8</b>                         | Turn A/C switch ON  | <b>Battery positive voltage</b>        |
| <b>4 – 8</b>                         | Turn A/C switch OFF | <b>No voltage</b>                      |
| <b>6 – 8</b>                         | Start the engine.   | <b>Approx. 10 to 14 V</b>              |
| <b>6 – 8</b>                         | Stop the engine.    | <b>No voltage</b>                      |
| <b>8 – 9</b>                         | Turn A/C switch ON  | <b>Battery positive voltage</b>        |
| <b>8 – 9</b>                         | Turn A/C switch OFF | <b>Battery positive voltage</b>        |
| Tester connection to terminal number | Condition           | Specified value (Resistance)           |
| <b>2 – 5</b>                         | MAX. COOL           | <b>Approx. 0 Ω</b>                     |
| <b>2 – 5</b>                         | MIN. COOL           | <b>Approx. 3 kΩ</b>                    |
| <b>5 – 8</b>                         | Constant            | <b>Approx. 1.5 kΩ at 25 °C (77 °F)</b> |

If circuit is as specified, try replacing the amplifier with a new one. If the circuit is not as specified, inspect the circuits connected to other parts.