

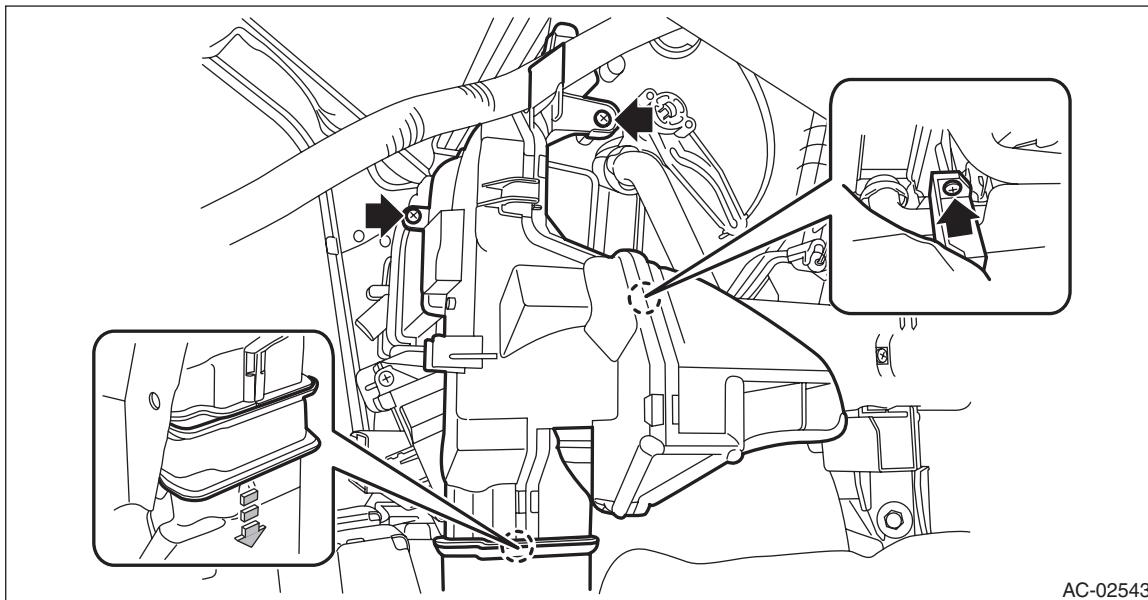
## Rear Vent Door Actuator

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

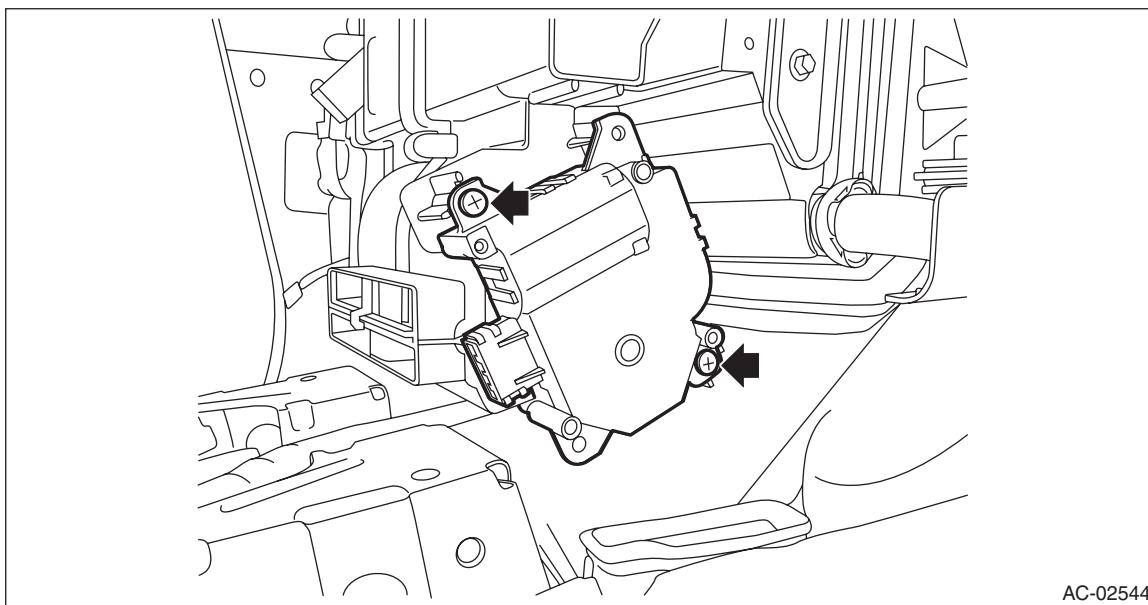
### 30. Rear Vent Door Actuator

#### A: REMOVAL

- 1) Remove the instrument panel assembly. <Ref. to EI-75, REMOVAL, Instrument Panel Assembly.>
- 2) Remove the foot duct RH.
  - (1) Turn over the floor carpet and remove the rear heater duct slide lock.
  - (2) Remove the screws and remove the foot duct RH.



- 3) Remove the screws, and remove the rear vent actuator.



#### B: INSTALLATION

Install each part in the reverse order of removal.

NOTE:

Refer to "INSTALLATION" of "Instrument Panel Assembly". <Ref. to EI-96, INSTALLATION, Instrument Panel Assembly.>

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## C: INSPECTION

### 1. ACTUATOR LINK

- 1) Visually check the operating range of the link, and remove the foreign matter if any.
- 2) Operate the temperature control switch, and check that the link operates normally.
- 3) If it does not operate normally, check the rear vent actuator unit.

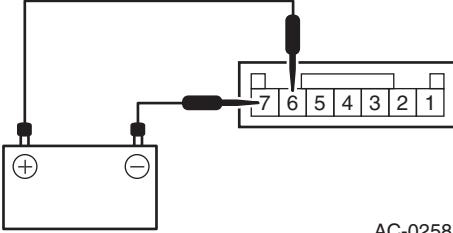
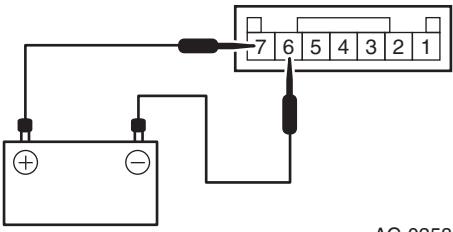
### 2. CHECK ACTUATOR OPERATION

**Preparation tool: Circuit tester**

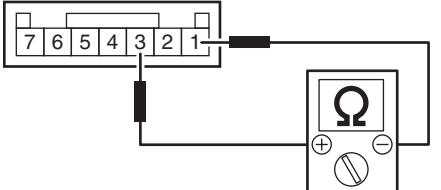
- 1) Check the actuator operation when battery voltage is applied between the terminals of rear vent actuator.

**CAUTION:**

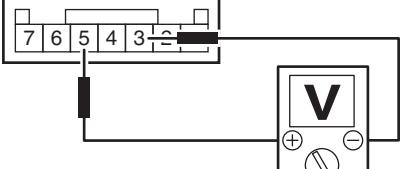
**Disconnect the battery immediately after the actuator stops operation. Otherwise, the motor may be damaged.**

| Terminal No.  | Inspection conditions            | Operating position | Connection diagram  |
|---------------|----------------------------------|--------------------|---|
| 6 (+) — 7 (-) | Connect battery to the terminals | COOL               |   |
| 7 (+) — 6 (-) |                                  | HOT                |  |

- 2) Check the resistance between terminals of rear vent actuator.

| Terminal No. | Inspection conditions | Standard    | Connection diagram  |
|--------------|-----------------------|-------------|---|
| 1 — 3        | Always                | 4.2 — 7.8 Ω |  |

- 3) Connect the rear vent actuator connector, turn the ignition switch to ON and check the voltage between terminals of rear vent actuator.

| Terminal No.  | Inspection conditions | Standard      | Connection diagram  |
|---------------|-----------------------|---------------|---|
|               | HOT                   | Approx. 1.0 V |  |
| 5 (+) — 3 (-) | COOL                  | Approx. 4.0 V |  |

- 4) Replace the rear vent actuator if it is found defective.