

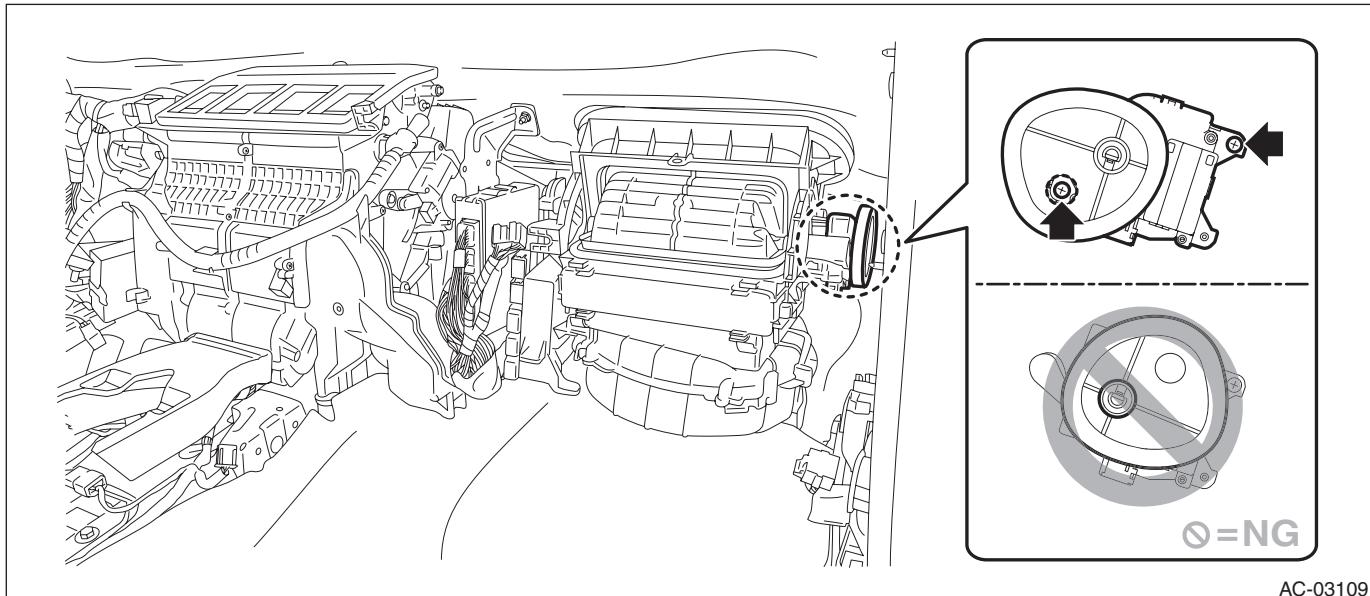
FRESH/RECIRC Door Actuator

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

27. FRESH/RECIRC Door Actuator

A: REMOVAL

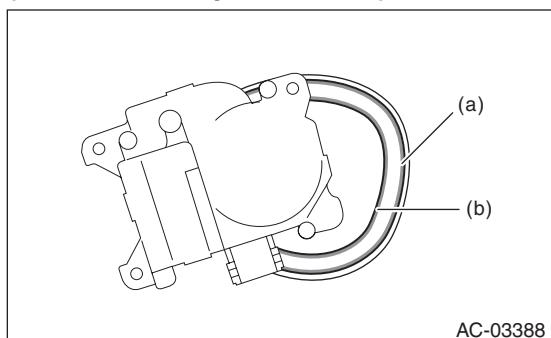
- 1) Set the intake door actuator to RECIRC position.
 - (1) Turn the ignition switch to ON.
 - (2) Operate the control panel and switch to RECIRC mode.
 - (3) In the condition of step (2), turn the ignition switch to OFF.
- 2) Remove the instrument panel assembly. <Ref. to EI-75, REMOVAL, Instrument Panel Assembly.>
- 3) Remove the screw, and remove the intake door actuator.



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B: INSTALLATION

- 1) When replacing the door actuator with a new part, apply a thin coat of grease evenly to the contact area (a) inside the rail of link plate by using approx. 5 mm (approx. 0.1 g) of grease squeezed out from a tube. Also apply a thin coat of grease evenly to the contact area (b) by using the same amount of grease.



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NOTE:

After installing the door actuator, perform 3 — 5 times of break-in operation for the grease to fit in.

Grease:

SUBARU genuine grease (Part No. 72129AJ000)

- 2) 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.>

C: INSPECTION

1. ACTUATOR LINK

- 1) Visually check the operating range of the link, and remove the foreign matter if any.
- 2) Operate the FRESH/RECIRC switch, and check that the link operates normally.
- 3) If the actuator does not operate normally, check the intake door actuator unit.

2. CHECK ACTUATOR OPERATION

- 1) Check the actuator operation when battery voltage is applied between the terminals of intake door 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
7 (+) — 1 (-)		FRESH	
7 (+) — 3 (-)	Connect battery to the terminals	RECIRC	

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- 2) If the actuator does not operate normally, replace the intake door actuator.