

# Front Door Latch and Door Lock Actuator Assembly

## SECURITY AND LOCKS

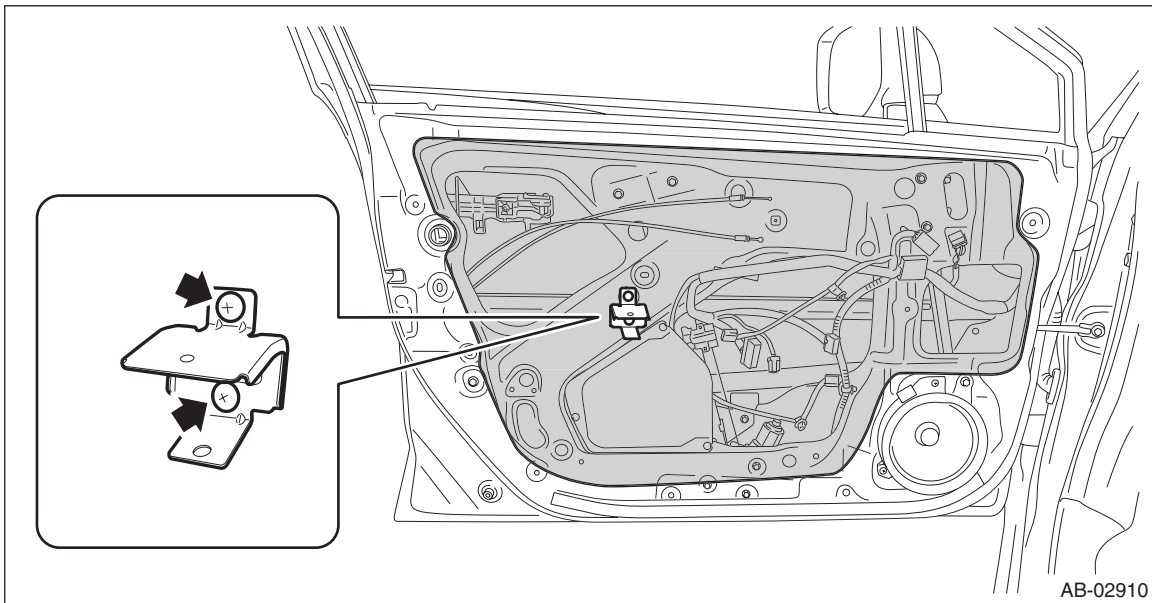
### 8. Front Door Latch and Door Lock Actuator Assembly

#### A: REMOVAL

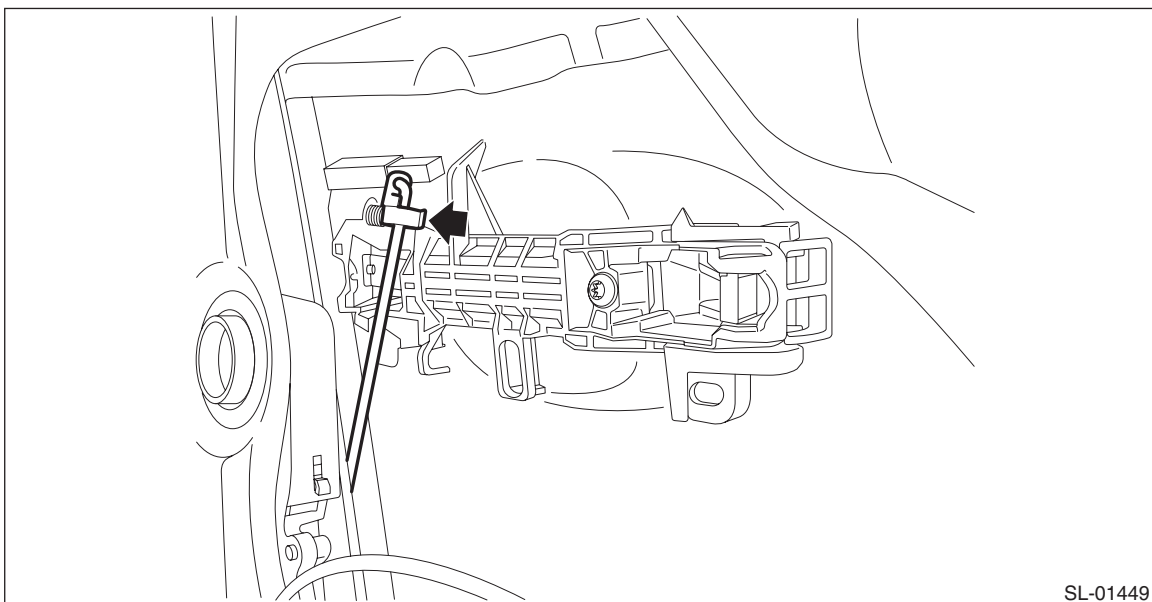
- 1) Raise the glass assembly - front door to the top position.
- 2) Remove the trim panel - front door. <Ref. to EI-61, FRONT DOOR, REMOVAL, Door Trim.>
- 3) Remove the sealing cover - front door.

#### CAUTION:

- Carefully remove the butyl tape. Excessive force will easily break the sealing cover - front door.
- If the sealing cover - front door gets broken, replace it with a new part.
  - (1) Remove the screw to remove the bracket - door trim front.
  - (2) Disconnect connectors.
  - (3) Carefully remove the butyl tape to remove the sealing cover - front door.



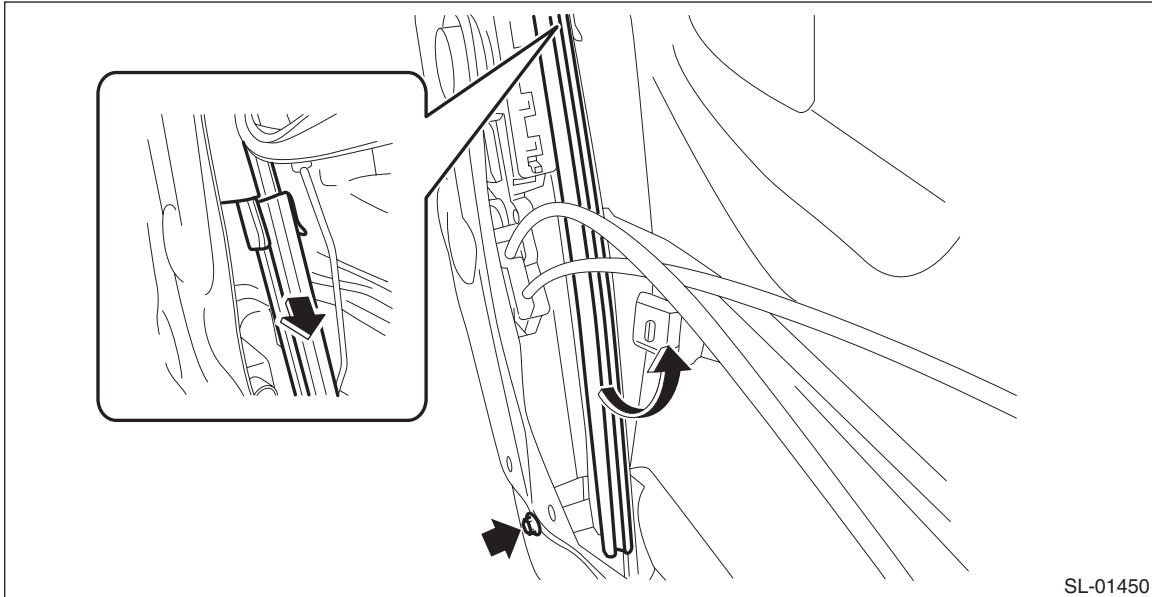
- 4) Remove the rod from the rod clamp of the frame assembly - front door outer.



5) Remove the sash COMPL - lower.

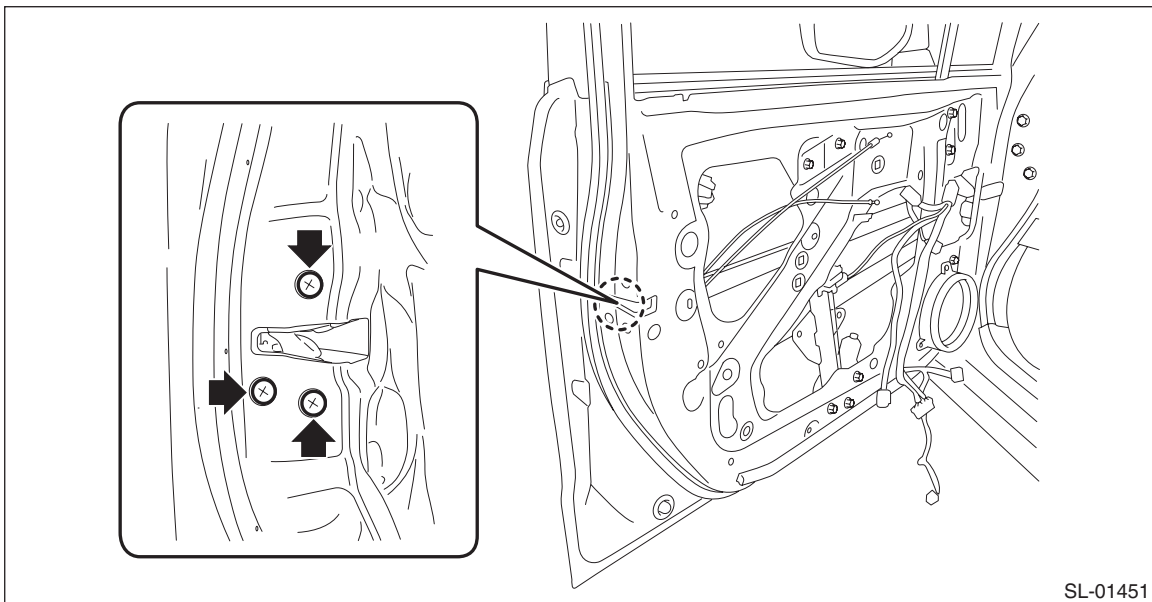
(1) Remove the lower side of the running channel - front door.

(2) Remove the bolts, and remove the sash COMPL - lower.



SL-01450

6) Remove the screws to remove the latch & actuator assembly - front.



SL-01451

## B: INSTALLATION

1) Before installation, check the following items.

- Cable and rod are free from deformation.
- Grease is applied sufficiently to rod joints.

If grease is insufficient, add it as necessary before assembling the rod.

2) Install each part in the reverse order of removal.

### Tightening torque:

**Door lock assembly:** <Ref. to SL-2, DOOR LOCK ASSEMBLY, COMPONENT, General Description.>

**Sash COMPL - D3:** 7.5 N·m (0.76 kgf·m, 5.5 ft·lb)

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### C: INSPECTION

#### 1. LATCH

Check if the latch operates normally.

If the cable or rod is faulty, replace the latch & actuator assembly - front.

#### 2. LOCK ACTUATOR

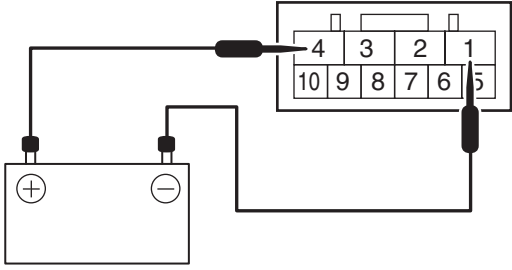
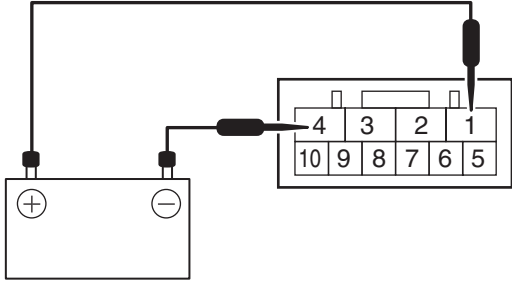
##### UNIT INSPECTION

**Preparation tool:**

**Circuit tester**

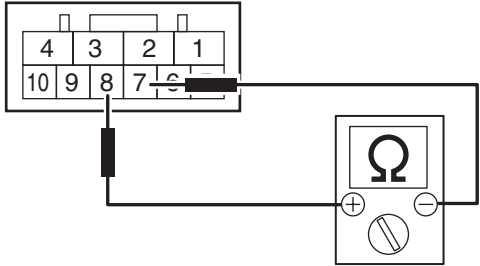
1) Check door lock operation

Check the door lock operation when battery voltage is applied between the terminals of actuator.

Terminal No.	Inspection conditions	Specification	Connection diagram
4 (+) — 1 (-)	Apply battery voltage.	LOCK	 <p style="text-align: right;">SL-01474</p>
1 (+) — 4 (-)		UNLOCK	 <p style="text-align: right;">SL-01473</p>

2) Check position switch

Check the resistance between actuator terminals.

Terminal No.	Inspection conditions	Standard	Connection diagram
8 — 7	LOCK	1 MΩ or more	 <p style="text-align: right;">SL-01568</p>
	UNLOCK	Less than 1 Ω	

3) Replace the latch & actuator assembly - front if it is found defective.