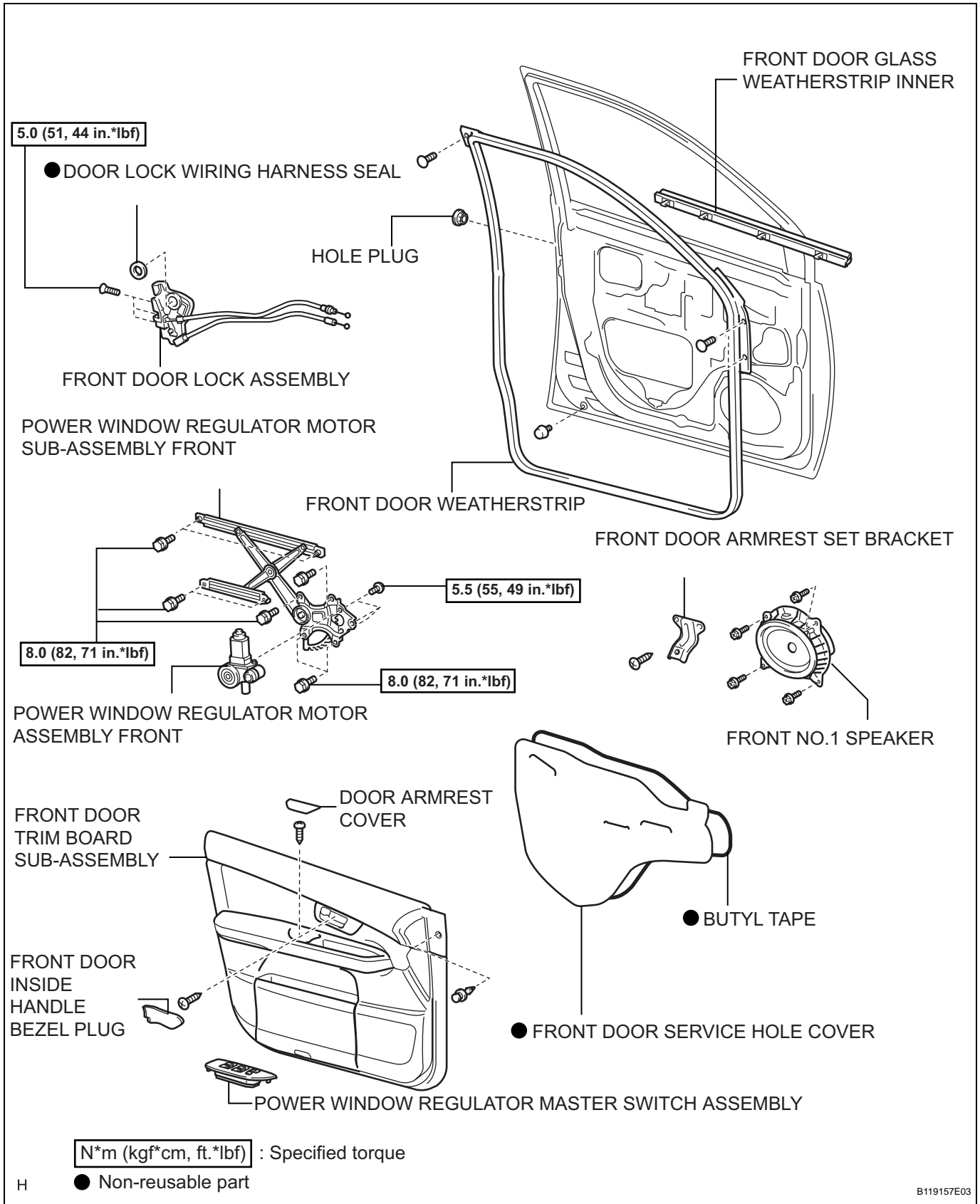
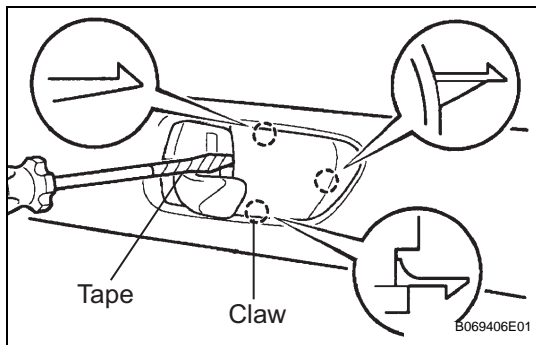
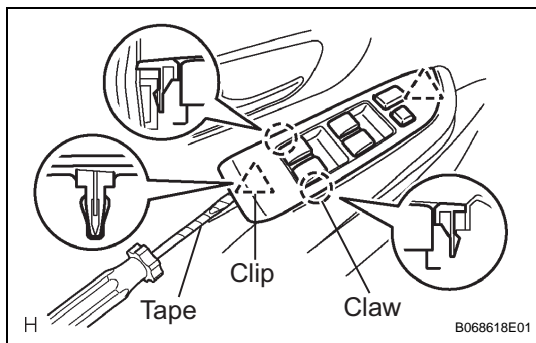


FRONT DOOR COMPONENTS

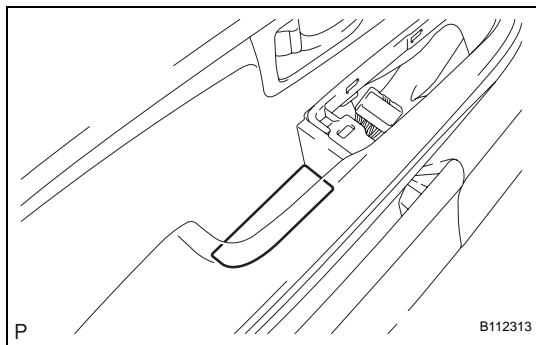


DISASSEMBLY**1. REMOVE FRONT DOOR INSIDE HANDLE BEZEL PLUG**

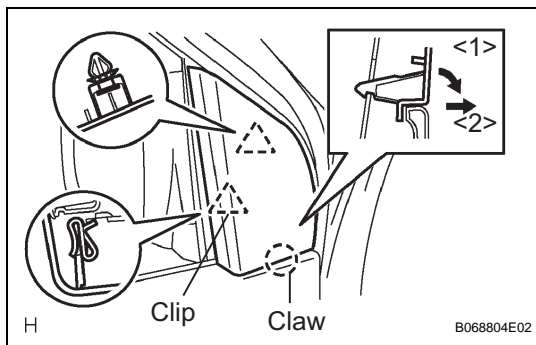
- (a) Using a screwdriver wrapped with protective tape, disengage the 3 claws and remove the front door inside handle bezel plug.

**2. REMOVE POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY**

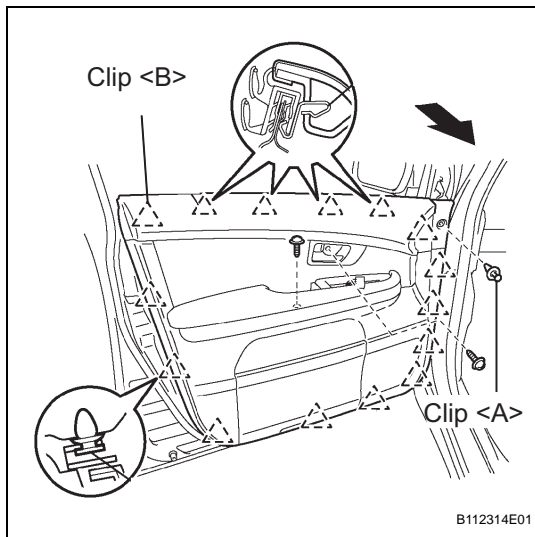
- (a) Using a screwdriver wrapped with protective tape, disengage the 2 claws and the 2 clips.
 (b) Disconnect the connector and remove the power window regulator master switch assembly.

**3. REMOVE DOOR ARMREST COVER**

- (a) Remove the door armrest cover.

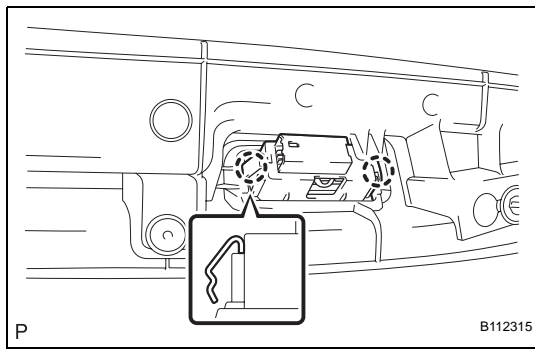
**4. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH**

- (a) Using a screwdriver wrapped with protective tape, disengage the 2 clips and claw and remove the front door lower frame bracket garnish.

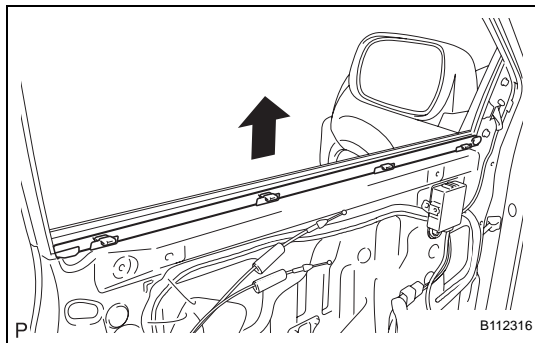


5. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY

- (a) Remove the 2 screws.
- (b) Remove the clip <A>.
- (c) Pulling the front door trim board sub-assembly in the direction of the arrow shown in the illustration, disengage the 15 clips .
- (d) Disconnect the cable and each connector from the back side of the inside handle and remove the front door trim board sub-assembly.

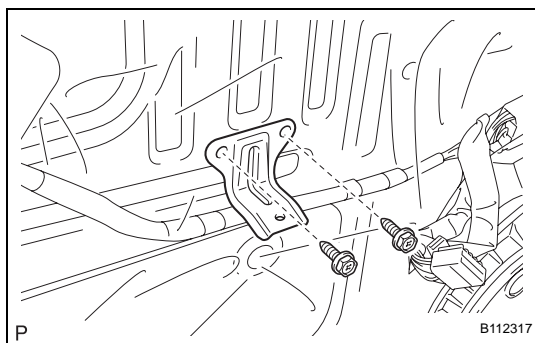


- (e) Disengage the 2 claws and separate the front door courtesy light.



6. REMOVE FRONT DOOR GLASS WEATHERSTRIP INNER

- (a) Remove the front door glass weatherstrip inner as shown in the illustration.

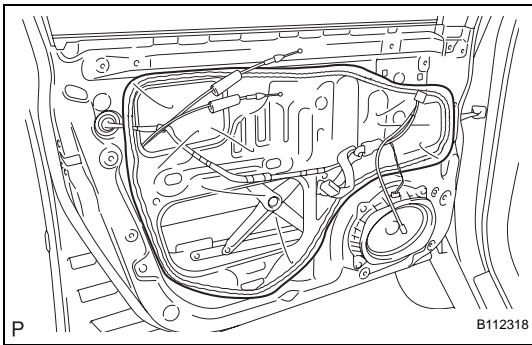


7. REMOVE FRONT DOOR ARMREST SET BRACKET

- (a) Remove the 2 screws and the front door armrest set bracket.

8. REMOVE FRONT NO.1 SPEAKER (See page AV-241)

9. REMOVE OUTER REAR VIEW MIRROR ASSEMBLY (See page MI-32)



10. REMOVE FRONT DOOR SERVICE HOLE COVER

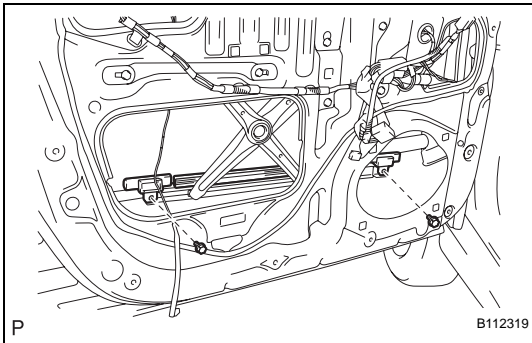
- (a) Disconnect each connector and remove the front door service hole cover.

HINT:

Remove the remaining tape on the door side.

11. REMOVE FRONT DOOR GLASS RUN

- (a) Connect the power window regulator master switch assembly.
 (b) Fully lower the front door glass sub-assembly.
 (c) Remove the front door glass run.



12. REMOVE FRONT DOOR GLASS SUB-ASSEMBLY

- (a) Move the front door glass sub-assembly so that the door glass bolts can be seen.
 (b) Remove the 2 bolts.

NOTICE:

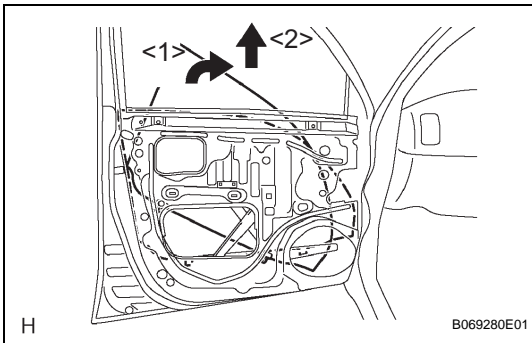
After the bolts are removed, the door glass may fall and become deformed.

- (c) Remove the front door glass sub-assembly as shown in the illustration.

NOTICE:

Do not damage the door glass.

- (d) Disconnect the power window regulator master switch assembly.



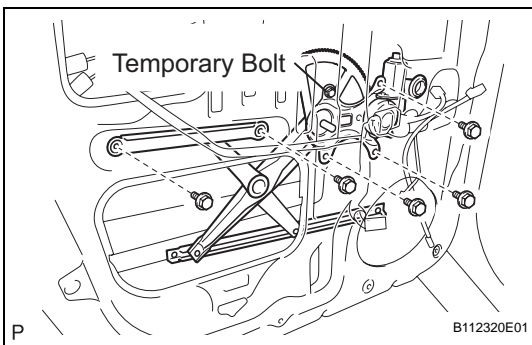
13. REMOVE FRONT DOOR WINDOW REGULATOR SUB-ASSEMBLY

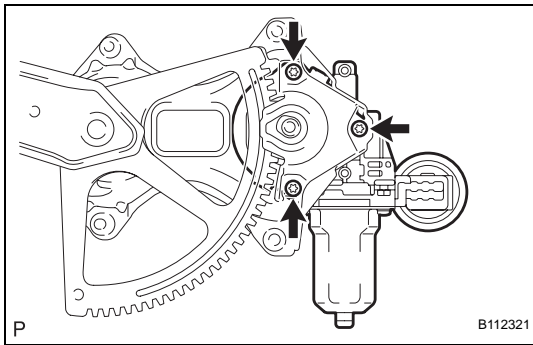
- (a) Disconnect the connector.
 (b) Loosen the temporary bolt.

NOTICE:

If the temporary bolt is removed, the front door window regulator may fall and become deformed.

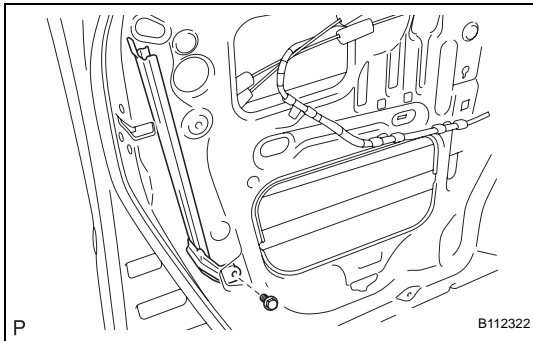
- (c) Remove the 5 bolts and the front door window regulator sub-assembly and the power window regulator motor assembly front as a unit.
 (d) Remove the temporary bolt from the regulator.





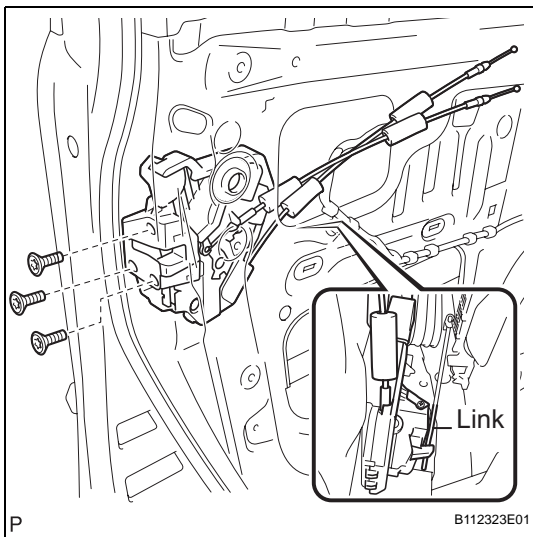
14. REMOVE POWER WINDOW REGULATOR MOTOR ASSEMBLY FRONT

- (a) Using a "torx" driver (T25), remove the 3 screws and the power window regulator motor assembly front.



15. REMOVE FRONT DOOR FRAME SUB-ASSEMBLY REAR LOWER

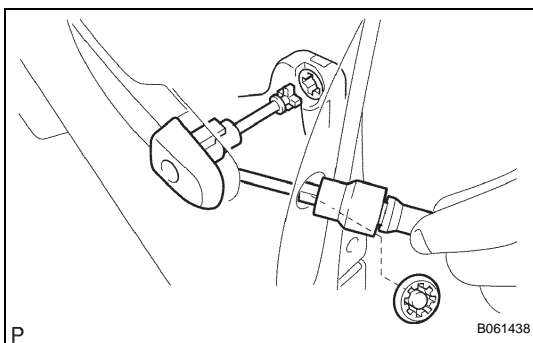
- (a) Remove the bolt and the front door frame sub-assembly rear lower as shown in the illustration.



16. REMOVE FRONT DOOR LOCK ASSEMBLY

- (a) Disconnect the connector.
 (b) Using a "torx" socket wrench (T30), remove the 3 screws.
 (c) Slide the front door lock assembly downward, pull out the link from the outside handle frame, and remove the front door lock assembly and cables as a unit

17. REMOVE DOOR LOCK WIRING HARNESS SEAL

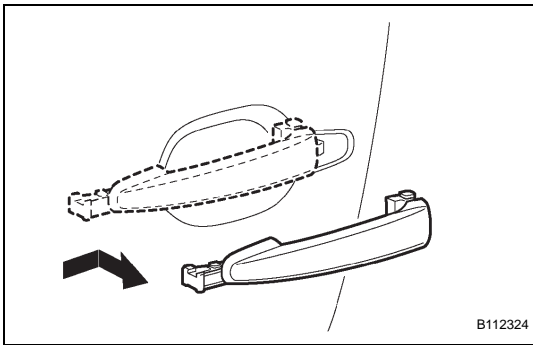


18. REMOVE FRONT DOOR OUTSIDE HANDLE COVER

- (a) Remove the hole plug.
 (b) Using a "torx" socket wrench (T30), loosen the screw and remove the outside handle cover and the door lock key cylinder as a unit.

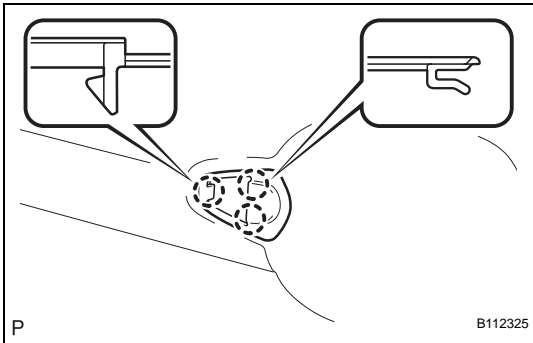
HINT:

Loosen but do not remove the screw.



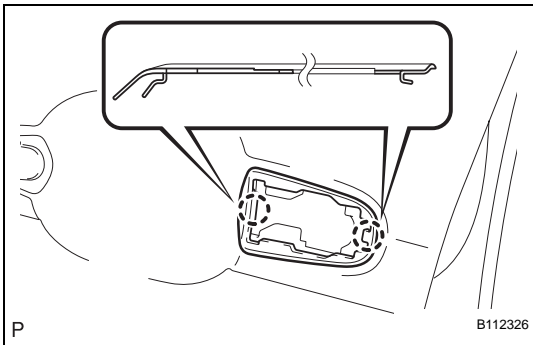
19. REMOVE FRONT DOOR HANDLE ASSEMBLY OUTSIDE

- (a) Remove the front door handle assembly outside as shown in the illustration.



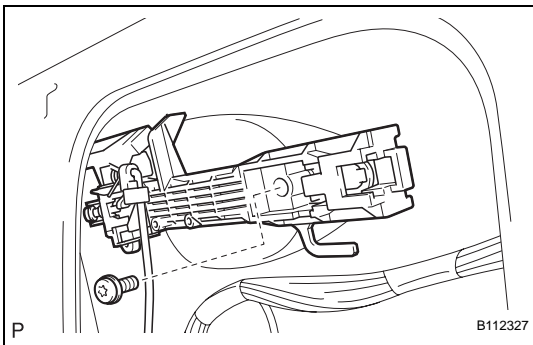
20. REMOVE FRONT DOOR OUTSIDE HANDLE PAD

- (a) Disengage the 3 claws and remove the front door outside handle pad.



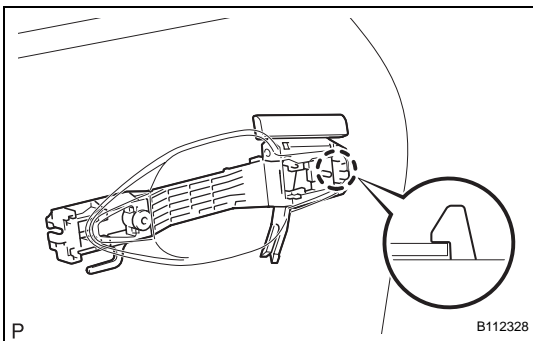
21. REMOVE FRONT DOOR OUTSIDE HANDLE PAD REAR

- (a) Disengage the 2 claws and remove the front door outside handle pad rear.

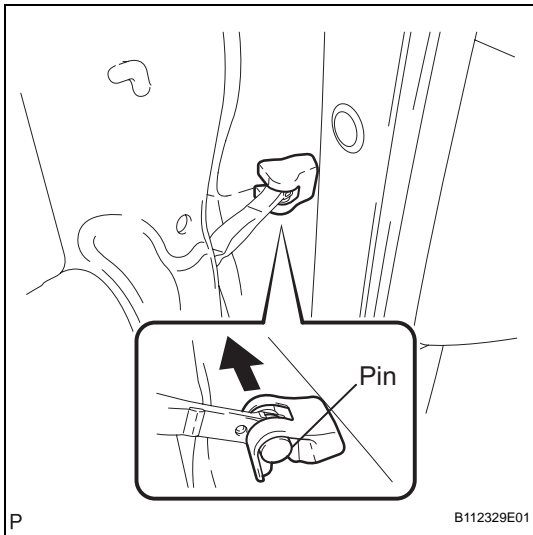


22. REMOVE FRONT DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY

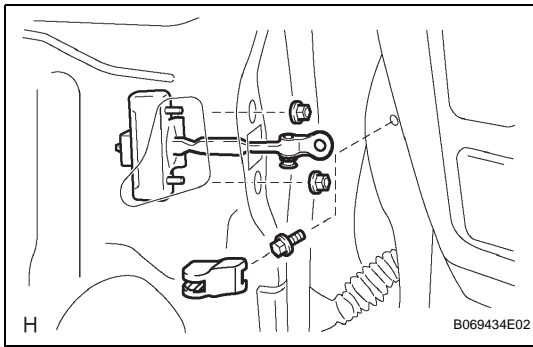
- (a) Using a "torx" socket wrench (T30), remove the screw.



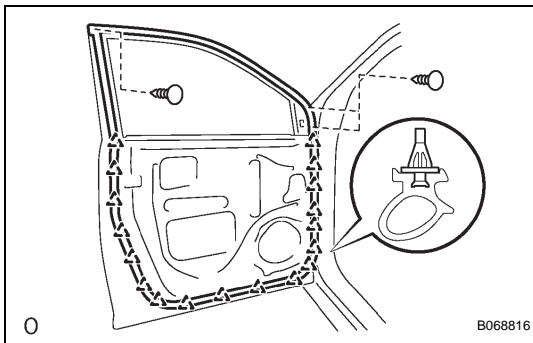
- (b) Disengage the claw and remove the front door outside handle frame sub-assembly.

**23. REMOVE FRONT DOOR CHECK COVER**

- (a) Disengage the pin and remove the front door check cover as shown in the illustration.

**24. REMOVE FRONT DOOR CHECK ASSEMBLY**

- (a) Remove the check cover.
 (b) Remove the bolt, 2 nuts, and the front door check assembly.

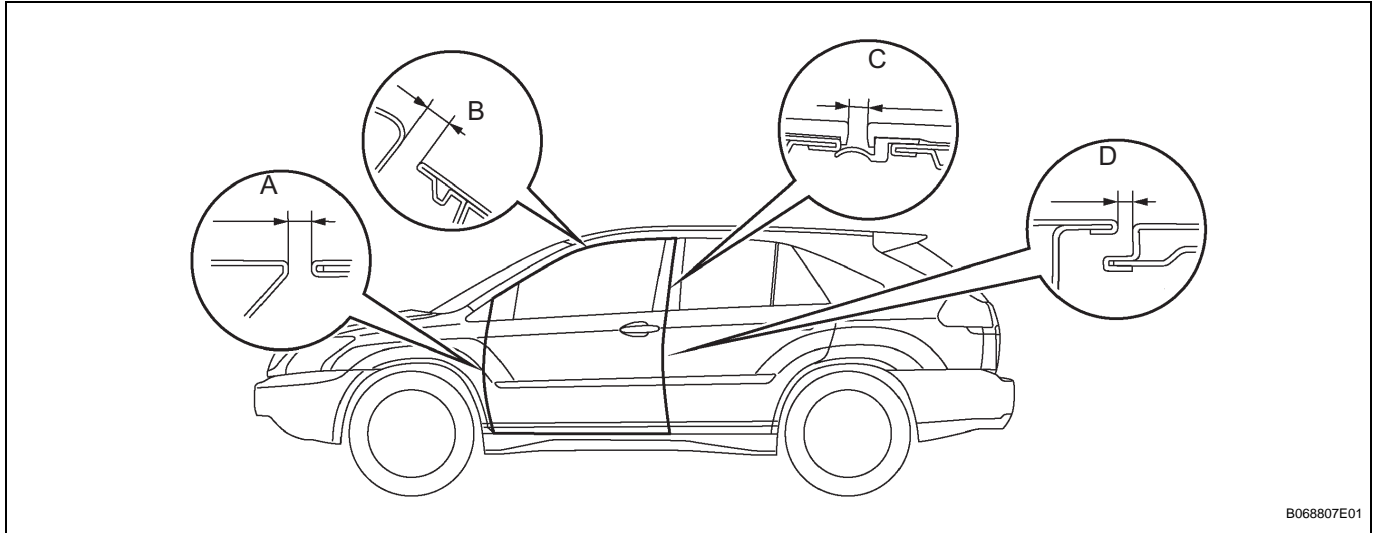
**25. REMOVE FRONT DOOR WEATHERSTRIP**

- (a) Using the clip remover, remove the 3 clips and disengage the 18 clips and remove the front door weatherstrip.

26. REMOVE FRONT DOOR BELT MOULDING ASSEMBLY (See page [ET-15](#))**27. REMOVE FRONT DOOR WINDOW FRAME MOULDING REAR (See page [ET-15](#))**

ADJUSTMENT

1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
(See page RS-1)
2. **INSPECT FRONT DOOR**
 - (a) Check that the clearance is within the standard range.



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Standard range:

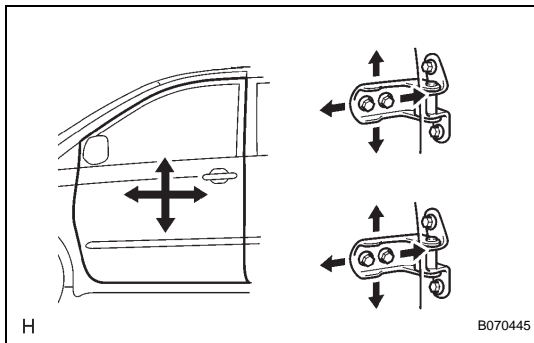
A	4.5+/-1.0 mm (0.177+/-0.039 in.)
B	5.1+/-1.5 mm (0.201+/-0.059 in.)
C	4.8+/-1.5 mm (0.189+/-0.059 in.)
D	4.5+/-1.0 mm (0.177+/-0.039 in.)

3. ADJUST FRONT DOOR

- (a) Using SST, loosen the bolts on the pillar side to adjust the door front and back, up and down.

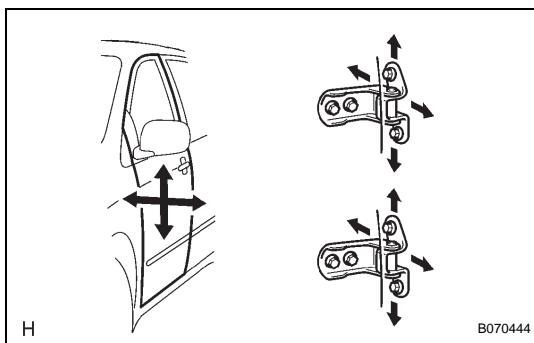
SST 09812-00010, 09812-00020

Torque: 26 N*m (265 kgf*cm, 19 ft.*lbf)



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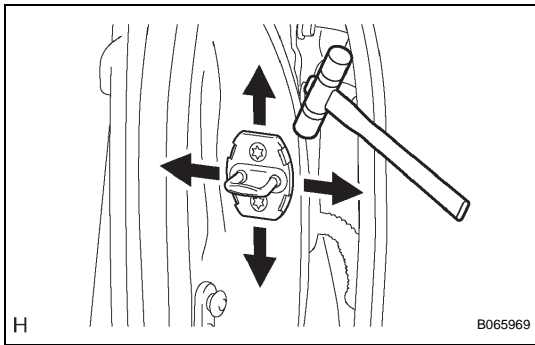
B070444

- (b) Loosen the bolts on the door side to adjust the door up and down, and the door front side to side.

Torque: 26 N*m (265 kgf*cm, 19 ft.*lbf)

HINT:

Perform this procedure after replacing the centering bolt with the supplied bolt.



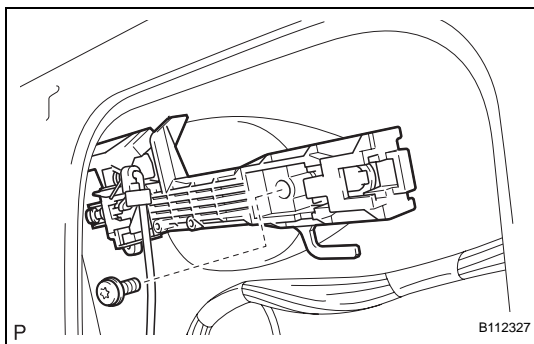
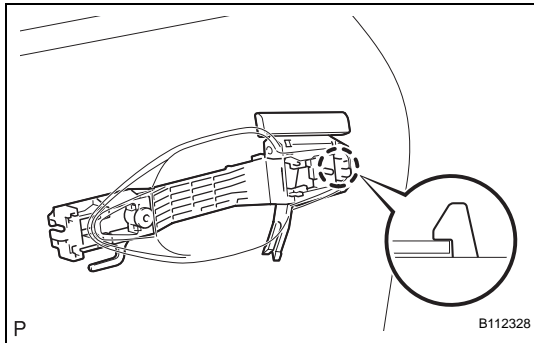
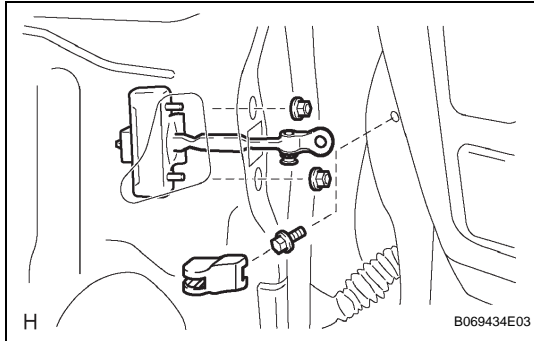
- (c) When adjusting the door rear side to side and the front door lock striker plate assembly, use a "torx" socket wrench (T40) to loosen the screws until the striker can move. Lightly tap it with a brass bar for adjustment.

Torque: 23 N*m (235 kgf*cm, 17 ft.*lbf)

4. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
5. **PERFORM INITIALIZATION**
(See page [ED-1](#))

REASSEMBLY

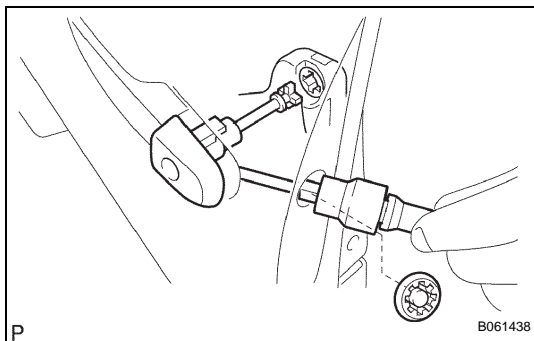
1. **INSTALL FRONT WINDOW FRAME MOULDING REAR** (See page [ET-31](#))
2. **INSTALL FRONT DOOR BELT MOULDING ASSEMBLY**
3. **INSTALL FRONT DOOR WEATHERSTRIP**
4. **INSTALL FRONT DOOR CHECK ASSEMBLY**
 - (a) Install the front door check assembly with the bolt and the 2 nuts.
bolt:
Torque: 27 N*m (275 kgf*cm, 20 ft.*lbf)
nut:
Torque: 8.0 N*m (82 kgf*cm, 71 in.*lbf)
 - (b) Install the check cover.
5. **INSTALL FRONT DOOR CHECK COVER**
6. **INSTALL FRONT DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY**
 - (a) Apply body grease to the sliding parts on the front door outside handle frame sub-assembly.
 - (b) Install the front door outside handle frame sub-assembly with the claw.



- (c) Using a "torx" socket wrench (T30), install the front door outside handle frame sub-assembly with the screw.

Torque: 7.0 N*m (71 kgf*cm, 62 in.*lbf)

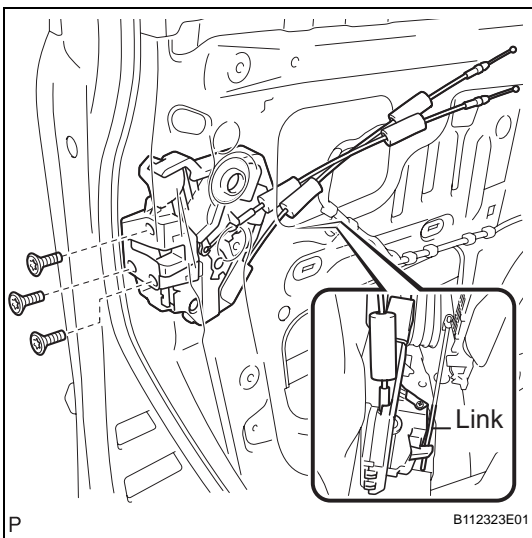
7. **INSTALL FRONT DOOR OUTSIDE HANDLE PAD REAR**
8. **INSTALL FRONT DOOR OUTSIDE HANDLE PAD**
9. **INSTALL FRONT DOOR HANDLE ASSEMBLY OUTSIDE**
10. **INSTALL FRONT DOOR OUTSIDE HANDLE COVER**
 - (a) Using a "torx" socket wrench (T30), install the front door outside handle cover with the screw.
Torque: 7.0 N*m (71 kgf*cm, 62 in.*lbf)
 - (b) Install the hole plug.
11. **INSTALL DOOR LOCK WIRING HARNESS SEAL**



12. INSTALL FRONT DOOR LOCK ASSEMBLY**NOTICE:**

- When reusing the removed front door lock assembly, replace the door lock wire harness sealing on the connector with a new one.
- Do not allow grease or dust to adhere on the door lock wiring harness sealing surface of the connector.
- Reusing the door lock wiring harness sealing and/or using damaged door lock wiring harness sealing may cause water intrusion to the connection, and result in a malfunction in the front door lock assembly.

- (a) Apply body grease to the sliding parts on the front door lock assembly.
- (b) Insert the front door outside handle link to the front door lock assembly, and set it to the front door panel.
- (c) Make sure that the front door outside handle link is securely connected to the front door lock assembly.
- (d) Using a "torx" socket wrench (T30), install the front door lock assembly with the 3 screws.
Torque: 5.0 N*m (51 kgf*cm, 44 in.*lbf)
- (e) Connect the connector.

**13. INSTALL FRONT DOOR FRAME SUB-ASSEMBLY REAR LOWER****14. INSTALL POWER WINDOW REGULATOR MOTOR SUB-ASSEMBLY FRONT****NOTICE:**

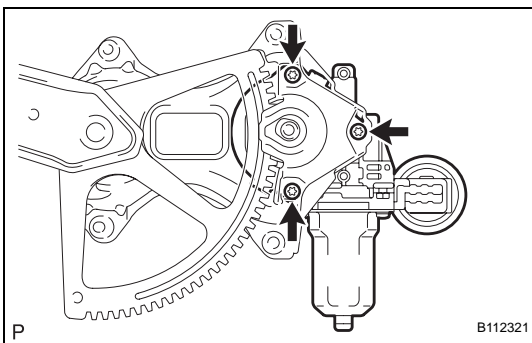
The regulator arm must be below the intermediate position when installing the power window regulator motor.

- (a) Using a "torx" driver (T25), install the power window regulator motor sub-assembly front with the 3 screws.

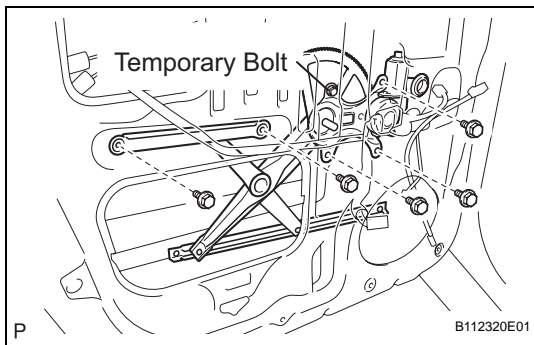
Torque: 5.4 N*m (55 kgf*cm, 48 in.*lbf)

HINT:

The new front window regulator adopts a self-tapping method. The installation position of regulator will be threaded when the self-tapping screw is inserted.

**15. INSTALL FRONT DOOR WINDOW REGULATOR SUB-ASSEMBLY**

- (a) Apply body grease to the sliding parts on the front door window regulator sub-assembly.



- (b) Install the temporary bolt to the front door window regulator sub-assembly.
- (c) Temporarily install the window regulator.
- (d) Install the front door window regulator sub-assembly with the 6 bolts.

Torque: 8.0 N*m (82 kgf*cm, 71 in.*lbf)

- (e) Connect the connector.

16. INSTALL FRONT DOOR GLASS SUB-ASSEMBLY

17. INSTALL FRONT DOOR GLASS RUN

18. INSTALL FRONT DOOR SERVICE HOLE COVER

- (a) Apply butyl tape to the front door panel as shown in the illustration.
- (b) Install a new service hole cover.

19. INSTALL OUTER REAR VIEW MIRROR ASSEMBLY (See page [MI-37](#))

20. INSTALL FRONT NO.1 SPEAKER (See page [AV-241](#))

21. INSTALL FRONT DOOR ARMREST SET BRACKET

22. INSTALL FRONT DOOR GLASS WEATHERSTRIP INNER

23. INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY

24. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH

25. INSTALL DOOR ARMREST COVER

26. INSTALL POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY

27. INSTALL FRONT DOOR INSIDE HANDLE BEZEL PLUG

28. POWER WINDOW CONTROL SYSTEM INITIALIZATION

(See page [WS-12](#))

