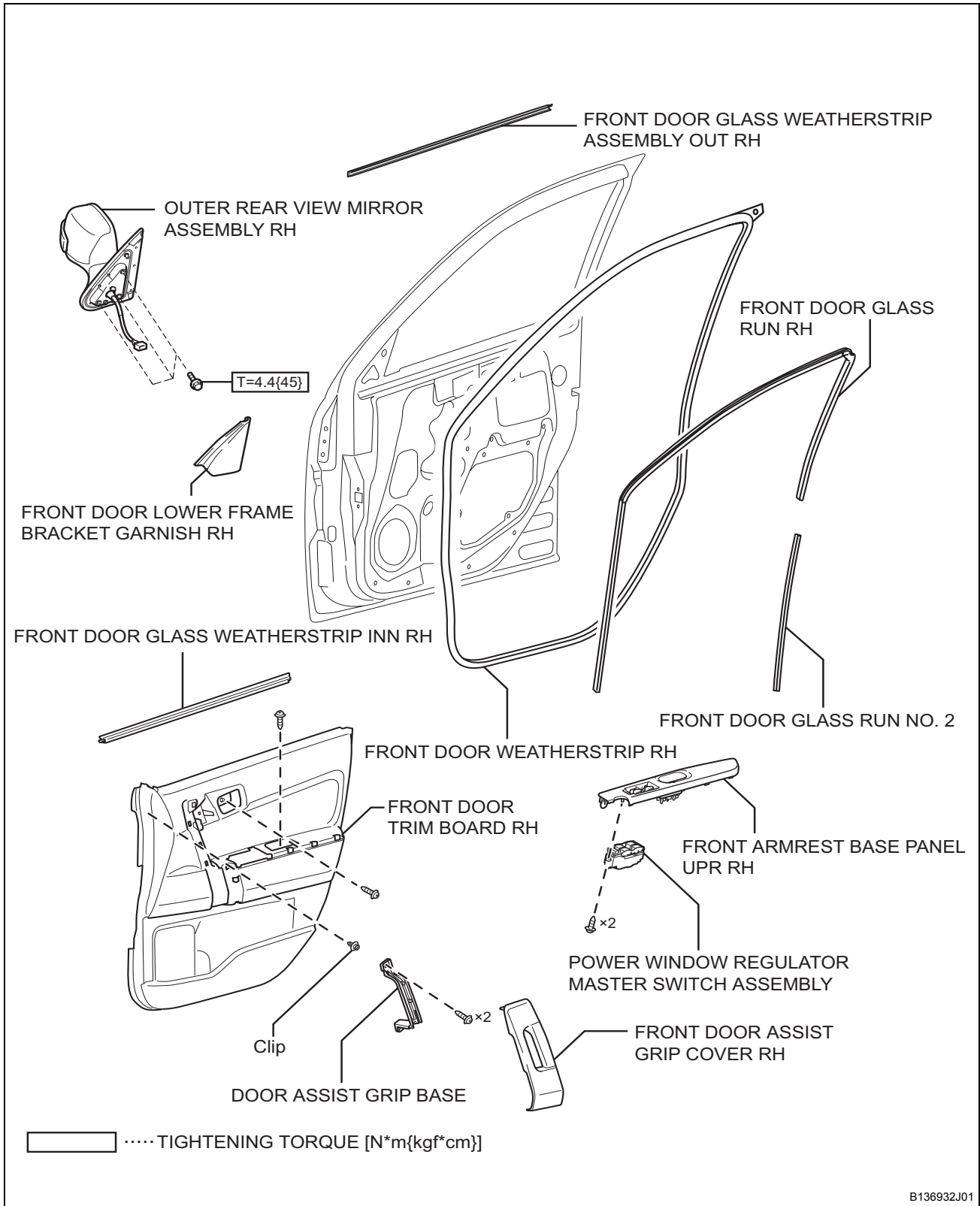
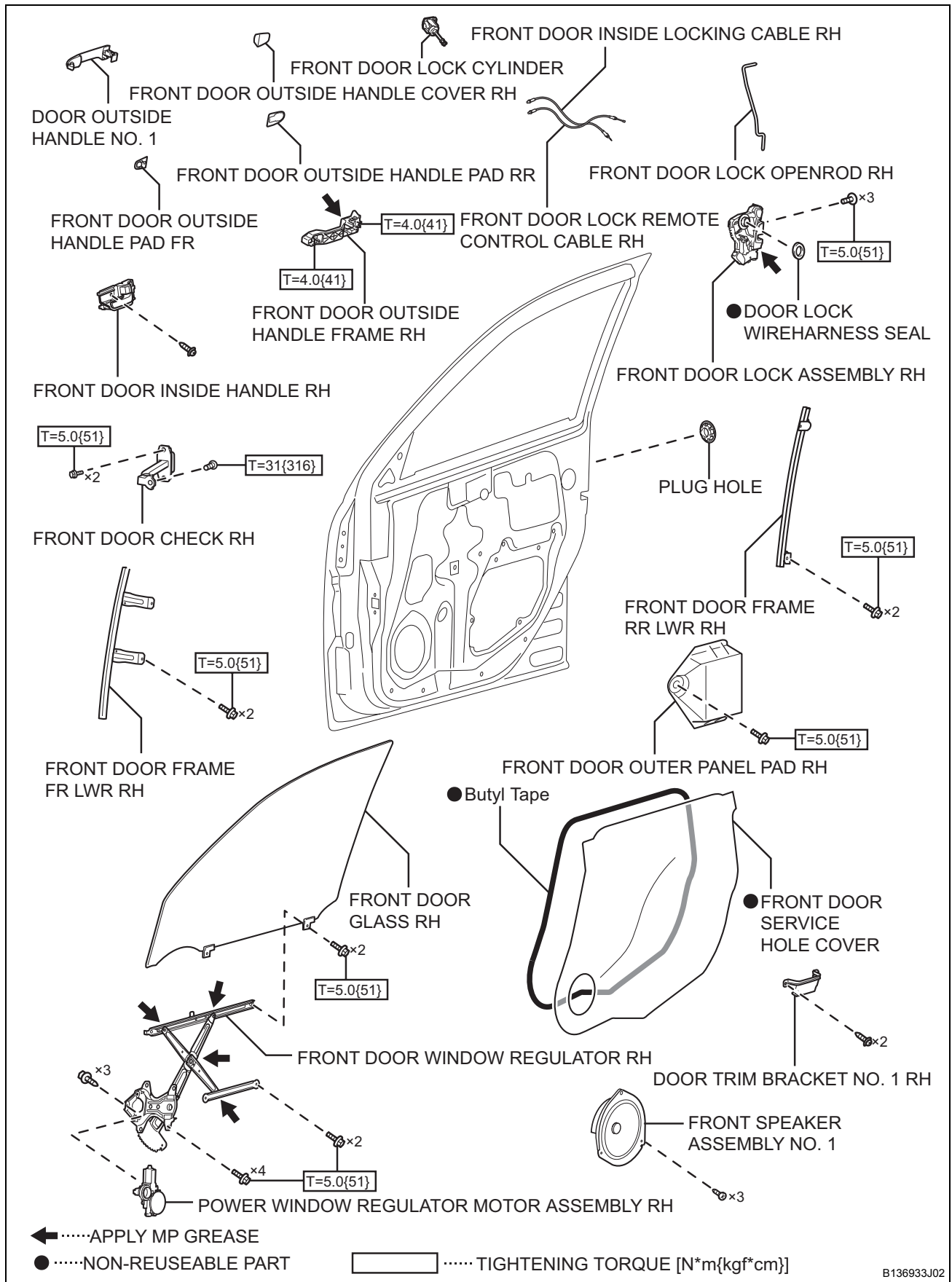


FRONT DOOR

COMPONENTS

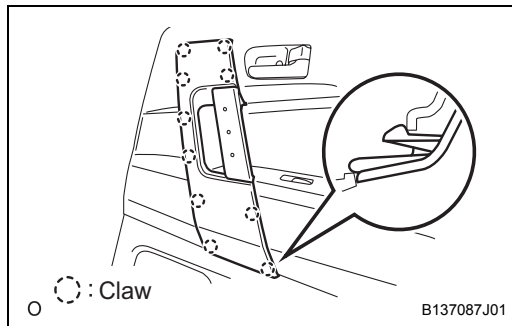




ED

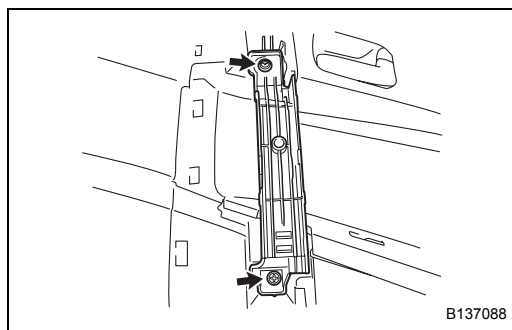
DISASSEMBLY

1. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH RH



2. REMOVE FRONT DOOR ASSIST GRIP COVER RH

- (a) Disengage the claws and remove the front door assist grip cover RH.

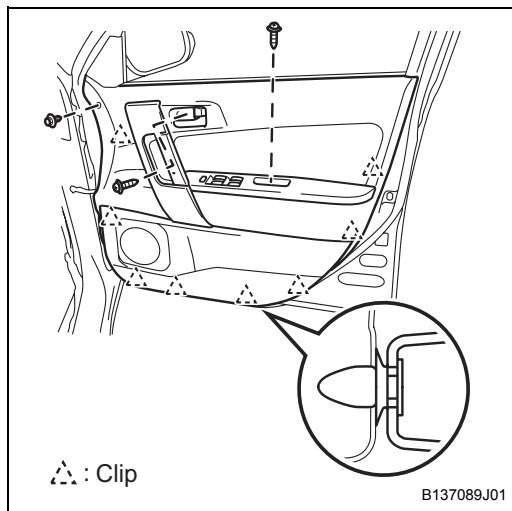


3. REMOVE DOOR ASSIST GRIP BASE

- (a) Remove the 2 screws and door assist grip base.

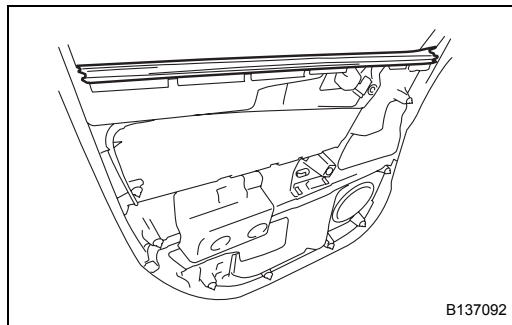
4. REMOVE FRONT DOOR TRIM BOARD RH

- (a) Remove the 2 screws and the clip.



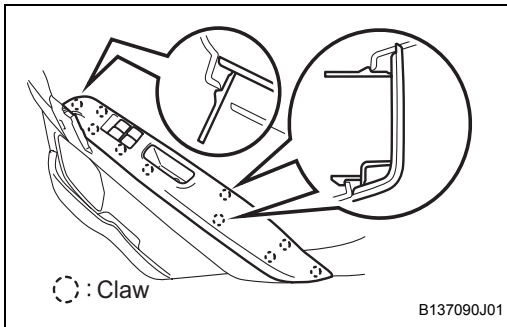
- (b) Using a clip remover, disengage the 8 clips of the front door trim board RH.
(c) Disconnect the connector from behind of the front door trim board RH.

5. REMOVE OUTER REAR VIEW MIRROR ASSEMBLY RH

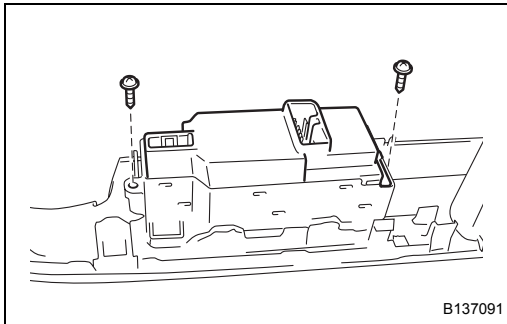


6. REMOVE FRONT DOOR GLASS WEATHERSTRIP INN RH

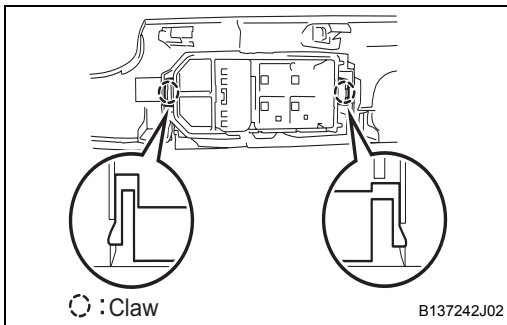
- (a) Remove the front door glass weatherstrip INN RH from the front door trip board RH.

**7. REMOVE FRONT ARMREST BASE PANEL UPR RH**

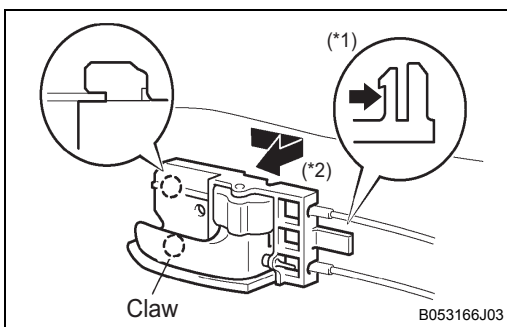
- (a) Disconnect the 10 claws and remove the front armrest base panel UPR RH.

**8. REMOVE POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY (DRIVER'S SEAT SIDE)**

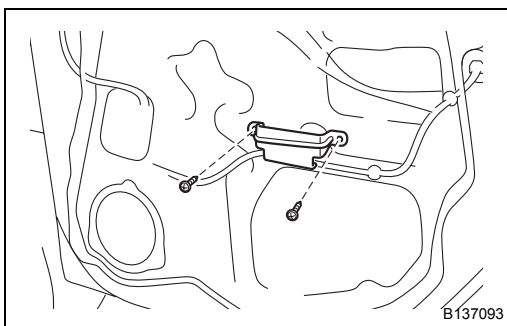
- (a) Remove the 2 screws and power window regulator master switch assembly from the front armrest base panel UPR RH.

**9. REMOVE POWER WINDOW REGULATOR SWITCH ASSEMBLY (PASSENGER SEAT SIDE)**

- (a) Disengage the 2 claws and remove the power window switch assembly.

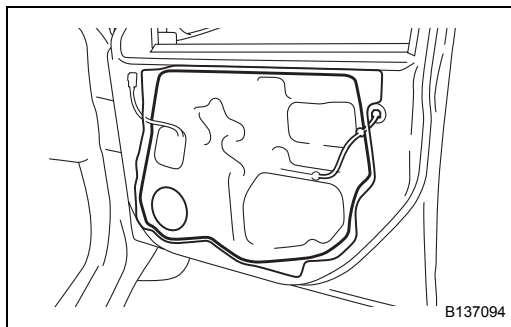
**10. REMOVE FRONT DOOR INSIDE HANDLE RH**

- (a) Disengage the claw of the rear side. (*1)
 (b) Pull the front claw toward the rear side and disengage it. (*2)
 (c) Disconnect the front door lock remote control cable RH and the front door inside locking cable RH, and remove the front door inside handle RH.

**11. REMOVE DOOR TRIM BRACKET NO. 1**

- (a) Remove the 2 screws, then remove the door trim bracket No. 1 RH.

12. REMOVE FRONT SPEAKER ASSEMBLY NO. 1



13. REMOVE FRONT DOOR SERVICE HOLE COVER RH

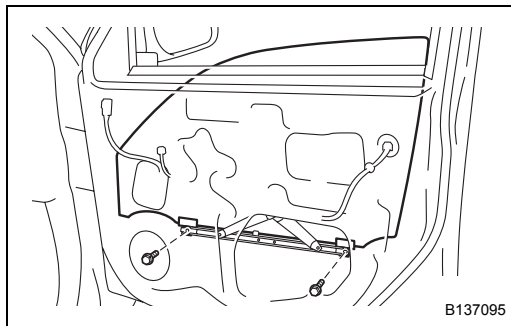
- (a) Remove the front door service hole cover RH.

NOTICE:

Remove the butyl tape remaining on the body side.

14. REMOVE FRONT DOOR GLASS RH

- (a) Connect the power window regulator master switch assembly and move the front door glass until the installation bolt on the front door glass is visible. (when working on the driver's seat side)
- (b) Using the remote operation of the power window regulator master switch assembly, move the front door glass until the installation bolt on the front door glass is visible. (when working on the passenger seat side)
- (c) Remove the 2 bolts.

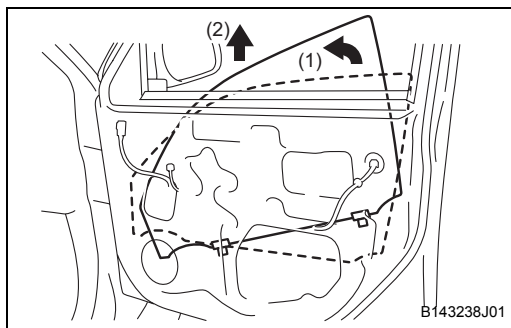


- (d) Remove the front door glass RH, as shown in the illustration.

NOTICE:

Do not damage the front door glass RH.

- (e) Remove the power window regulator master switch assembly.



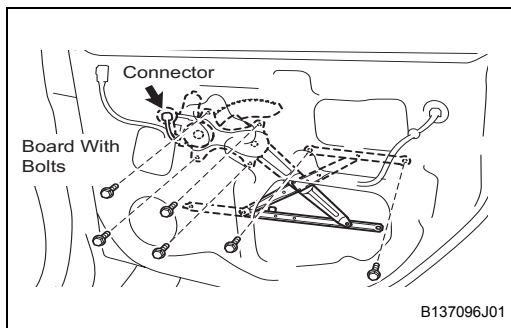
15. REMOVE FRONT DOOR WINDOW REGULATOR RH

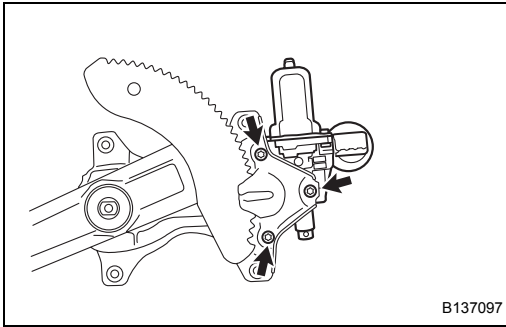
- (a) Disconnect the connector of the power window regulator motor assembly RH.
- (b) Loosen the temporary bolt.

NOTICE:

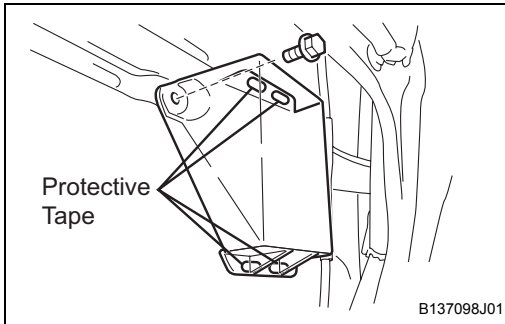
The front door window regulator RH may fall and change its shape if the temporary bolt is removed.

- (c) Remove the 5 bolts and the front door window regulator RH.
- (d) Remove the temporary bolt from the front door window regulator RH.

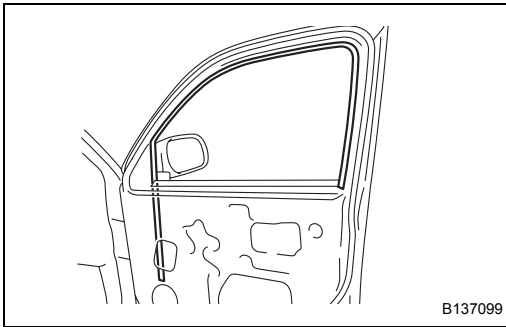


**16. REMOVE POWER WINDOW REGULATOR MOTOR ASSEMBLY RH**

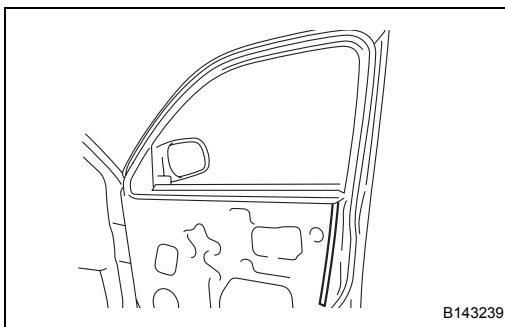
- (a) Using a "Torx" Socket Wrench (T25), remove the 3 screws and the power window regulator motor assembly RH from the front door window regulator RH.

**17. REMOVE FRONT DOOR OUTER PANEL PAD RH (WITH FRONT DOOR OUTER PANEL PAD)**

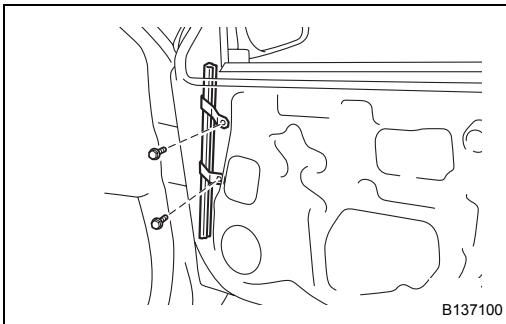
- (a) Remove the bolt.
- (b) Heat the front door outer panel pad RH (areas attached with double-sided tape) with a heat gun.
- (c) Remove the double-sided tape and the front door outer panel pad RH.

**18. REMOVE FRONT DOOR GLASS RUN RH**

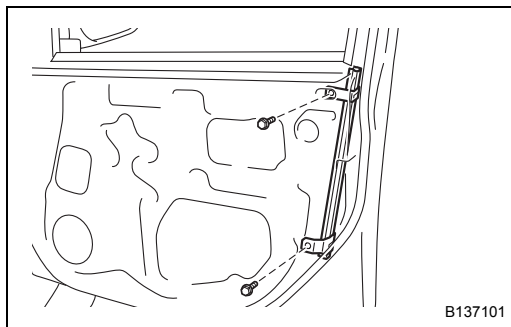
- (a) Remove the front door glass run RH.

**19. REMOVE FRONT DOOR GLASS RUN NO. 2**

- (a) Remove the front door glass run No. 2.

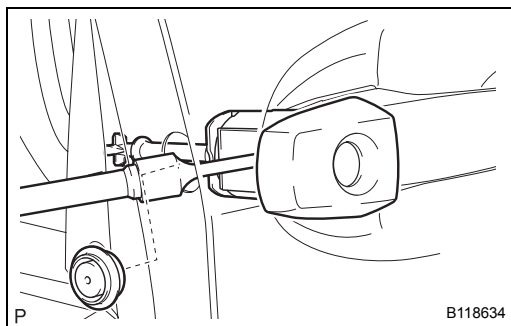
**20. REMOVE FRONT DOOR FRAME FR LWR RH**

- (a) Remove the 2 bolts and the front door frame FR LWR RH.



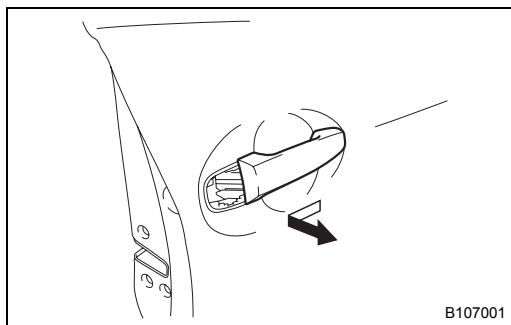
21. REMOVE FRONT DOOR FRAME RR LWR RH

- (a) Remove the 2 bolts and the front door frame RR LWR RH.



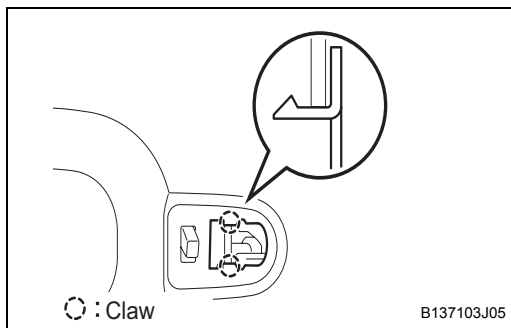
22. REMOVE FRONT DOOR OUTSIDE HANDLE COVER RH

- (a) Remove the plug hole.
- (b) Using a "Torx" Socket Wrench (T30), remove the screws, then remove the front door outside handle cover RH and the front door lock cylinder at the same time.



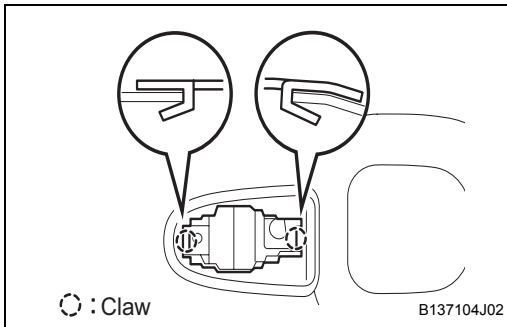
23. REMOVE DOOR OUTSIDE HANDLE NO. 1

- (b) Pull the front door outside handle assembly RH toward the vehicle rear, and disengage the claws of the front outside handle frame RH.
- (c) Pull the front door outside handle assembly RH forward and remove it from the front door outside handle frame RH.



24. REMOVE FRONT DOOR OUTSIDE HANDLE PAD FR

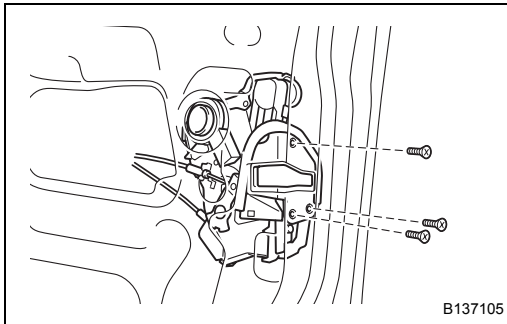
- (a) Disengage the 2 claws and remove the front door outside handle pad FR.

**25. REMOVE FRONT DOOR OUTSIDE HANDLE PAD RR**

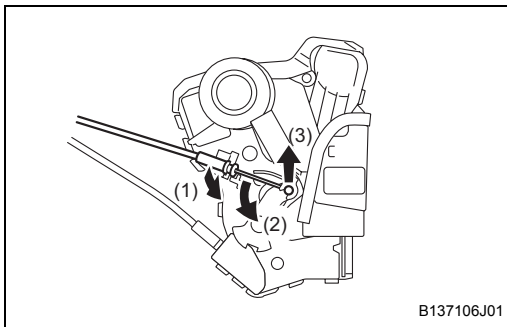
- (a) Disengage the 2 claws and remove the front door outside handle pad RR.

26. REMOVE FRONT DOOR LOCK ASSEMBLY RH

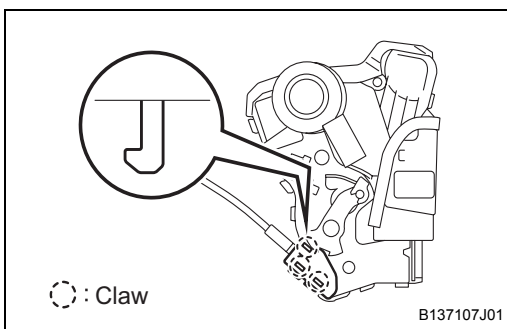
- (a) Disconnect the connector of the front door lock assembly RH.



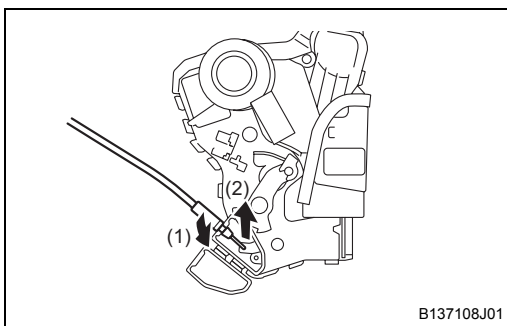
- (b) Using a "Torx" Socket Wrench (T30), remove the 3 screws.
- (c) Slide down the front door lock assembly RH. Then pull off the front door lock open rod RH, and remove the front door lock assembly RH.
- (d) Remove the door lock wire harness seal from the front door lock assembly RH.

**27. REMOVE FRONT DOOR LOCK REMOTE CONTROL CABLE RH**

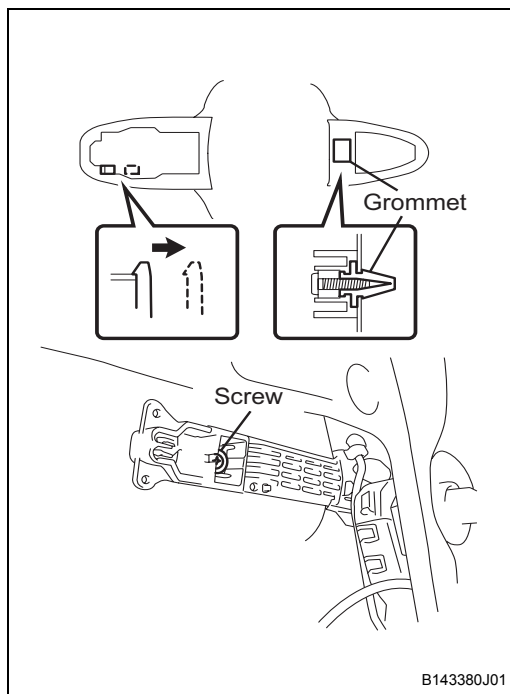
- (a) Remove the front door lock remote control cable RH from the front door lock assembly RH, as shown in the illustration.

**28. REMOVE FRONT DOOR INSIDE LOCKING CABLE RH**

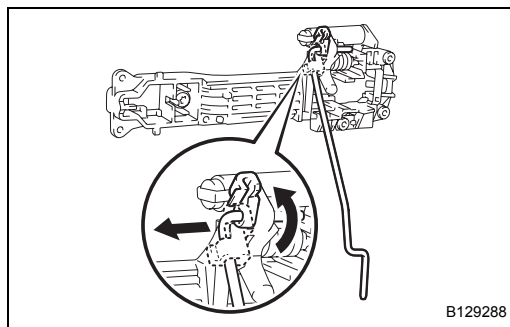
- (a) Using a screwdriver wrapped with protective tape, disengage the 3 claws of the front door lock assembly RH.



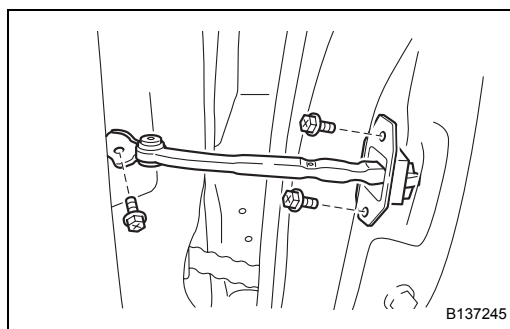
- (b) Remove the front door inside locking cable RH from the front door lock assembly RH, as shown in the illustration.

**29. REMOVE FRONT DOOR OUTSIDE HANDLE FRAME RH**

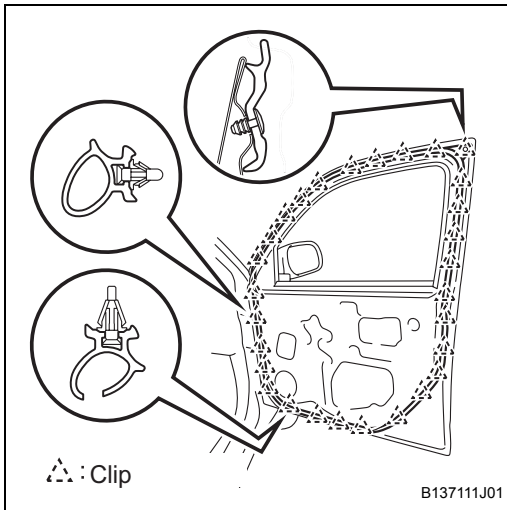
- (a) Disengage the claw of the grommet.
- (b) Using a "Torx" Socket Wrench (T30), loosen the screw.
- (c) Disengage the claws by pulling it out toward the vehicle front, remove the front door outside handle frame RH.

**30. REMOVE FRONT DOOR LOCK OPEN ROD RH**

- (a) Disengage the claw of the front door outside handle snap, and remove the front door lock open rod RH.

**31. REMOVE FRONT DOOR CHECK RH**

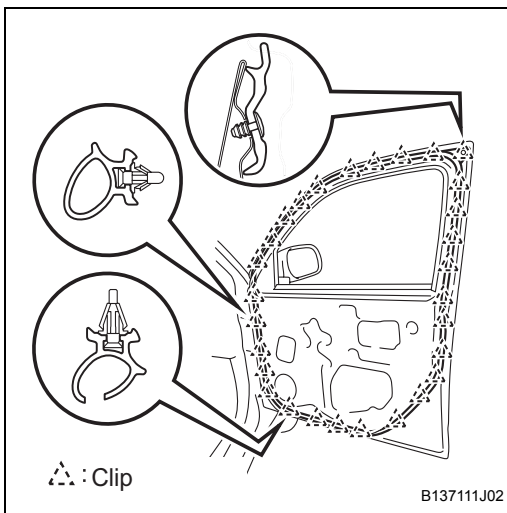
- (a) Remove the 3 bolts and the front door check RH.

**32. REMOVE FRONT DOOR WEATHERSTRIP RH**

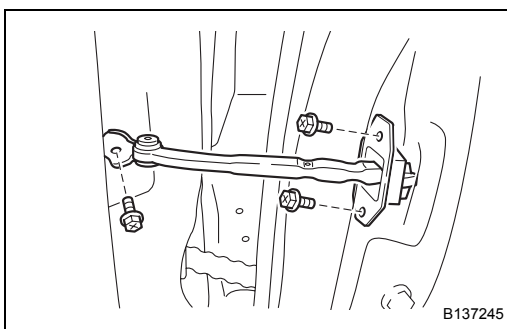
- (a) Using a clip remover, disengage the 29 clips and remove the front door weatherstrip RH.

33. REMOVE FRONT DOOR GLASS WEATHERSTRIP ASSEMBLY OUT RH**REASSEMBLY****1. APPLY BODY GREASE**

- (a) Apply MP grease to the sliding areas of the front door window regulator RH, front door outside handle frame RH, and front door lock assembly RH.

2. INSTALL FRONT DOOR GLASS WEATHERSTRIP ASSEMBLY OUT RH**3. INSTALL FRONT DOOR WEATHERSTRIP RH**

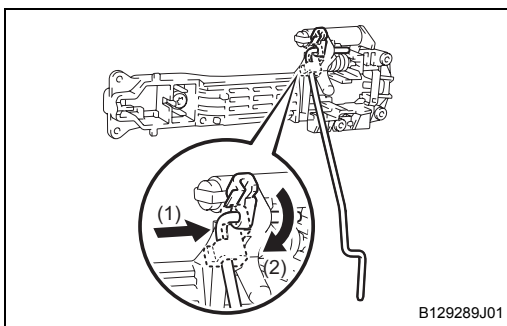
- (a) Attach the 29 clips and install new front door weatherstrip RH to the front door panel.

**4. INSTALL FRONT DOOR CHECK RH**

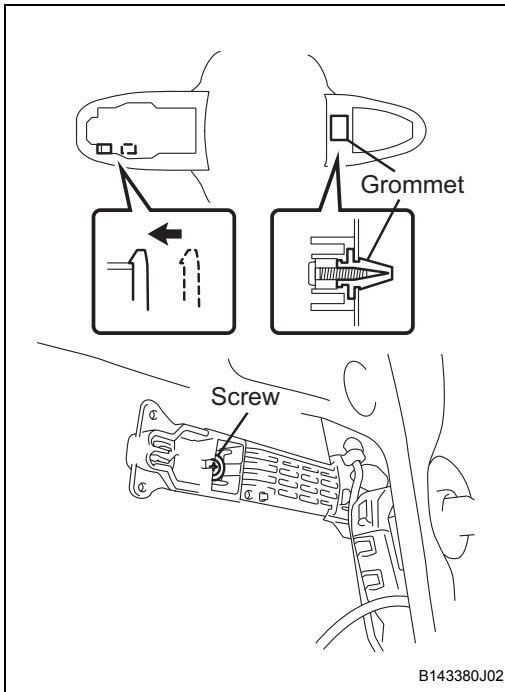
- (a) Install the front door check RH with the 3 bolts.

Torque: 5.0 N*m (51 kgf*cm) (door side)

Torque: 31 N*m (316 kgf*cm) (body side)

5. INSTALL OUTER REAR VIEW MIRROR ASSEMBLY RH**6. INSTALL FRONT DOOR LOCK OPEN ROD RH**

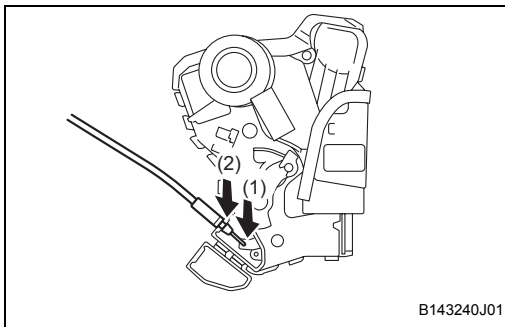
- (a) Attach the front door outside handle snap and install the front door lock open rod RH to the front door outside handle frame RH.



7. INSTALL FRONT DOOR OUTSIDE HANDLE FRAME RH

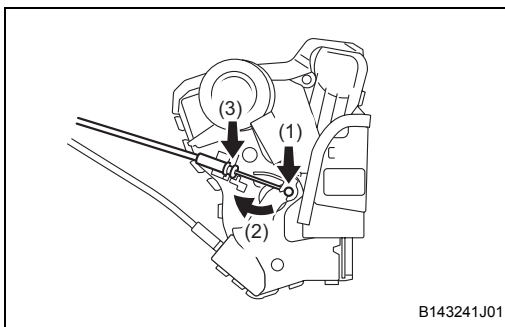
- (a) Engage the claw on the rear of the vehicle. Then engage the claw on the grommet and temporarily install the front door outside handle frame RH to the front door panel.
- (b) Using a "Torx" Socket Wrench (T30), install the front door outside handle frame RH with the screw.

Torque: 4.0 N*m (41 kgf*cm)



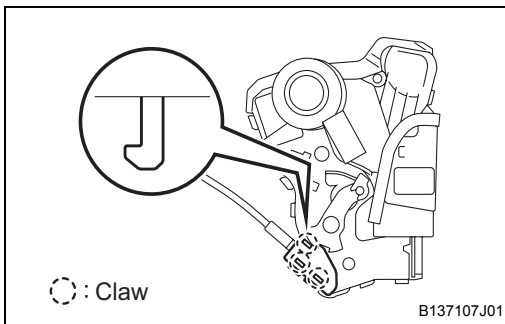
8. INSTALL FRONT DOOR INSIDE LOCKING CABLE RH

- (a) Install the front door inside locking cable RH to the front door lock assembly RH, as shown in the illustration.



9. INSTALL FRONT DOOR LOCK REMOTE CONTROL CABLE RH

- (a) Install the front door lock remote control cable RH to the front door lock assembly RH, as shown in the illustration.



- (b) Engage the 3 claws of the front door lock assembly RH.

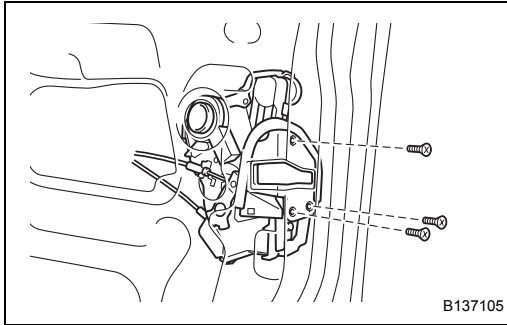
10. INSTALL FRONT DOOR LOCK ASSEMBLY RH

NOTICE:

- When reusing the removed front door lock assembly with motor, replace the door lock wire harness seal of the connector area with a new part.
- Make sure no grease or dirt adheres to the door lock wire harness seal of the connector area.
- If a door lock wire harness seal is reused or if a damaged door lock wire harness seal is used, there is a possibility that

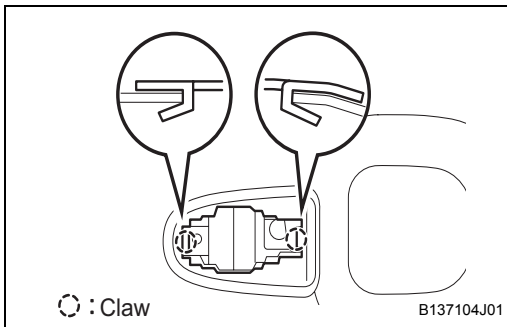
water may get into the connector area. This may cause a malfunction of the front door lock assembly with motor.

- (a) Install a new door lock wire harness seal to the front door lock assembly RH.
- (b) Insert the front door lock open rod RH into the front door lock assembly RH. Then engage the front door lock open rod RH with the front door panel.
- (c) Make sure that the front door lock open rod RH is securely engaged with the front door lock assembly RH.
- (d) Using a "Torx" Socket Wrench (T30), install the front door lock assembly RH with the 3 screws.
Torque: 5.0 N*m (51 kgf*cm)
- (e) Connect the connector.



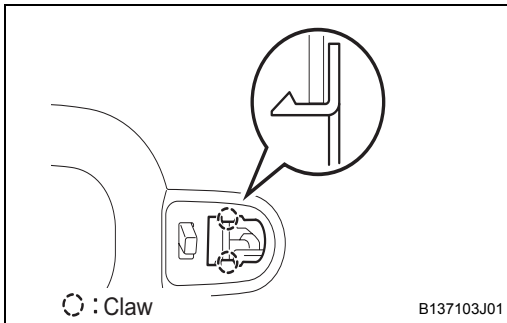
11. INSTALL FRONT DOOR OUTSIDE HANDLE PAD RR

- (a) Attach the 2 claws and install the front door outside handle pad RR.



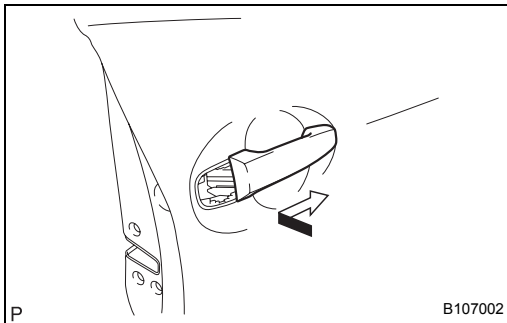
12. INSTALL FRONT DOOR OUTSIDE HANDLE PAD FR

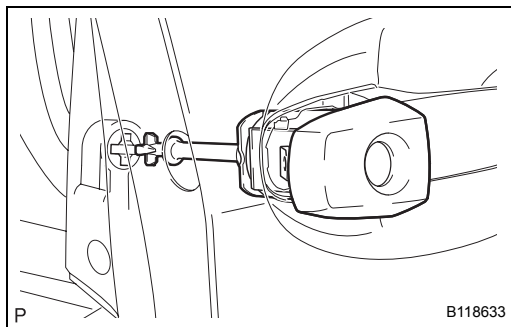
- (a) Engage the 3 claws and install the front door outside handle pad FR.



13. INSTALL DOOR OUTSIDE HANDLE NO. 1

- (a) Insert the tip of the door outside handle No. 1 into the front door outside handle frame RH.
- (b) Insert the rear end of the door outside handle No. 1 into the front door outside handle frame RH, and install the door outside handle No. 1 by sliding it toward the vehicle front.

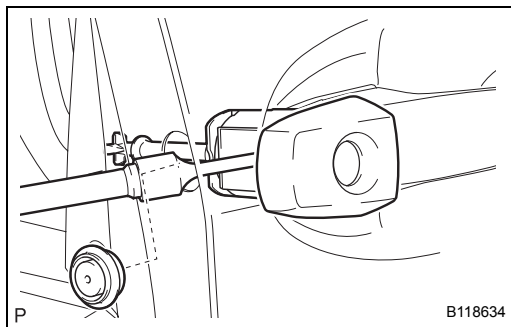


**14. INSTALL FRONT DOOR OUTSIDE HANDLE COVER RH**

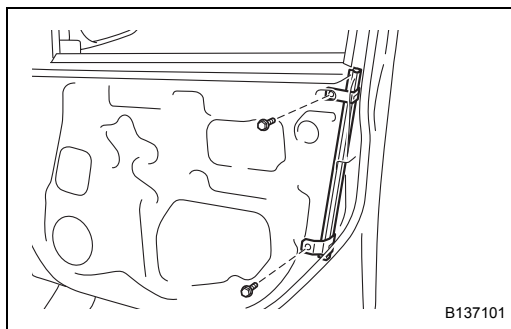
- (a) With the front door lock cylinder still installed, attach the front door outside handle cover RH to the front door panel

HINT:

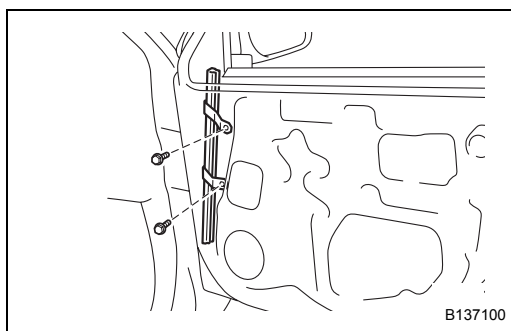
Make sure that the front door lock cylinder rod is securely inserted into the front door lock assembly RH.



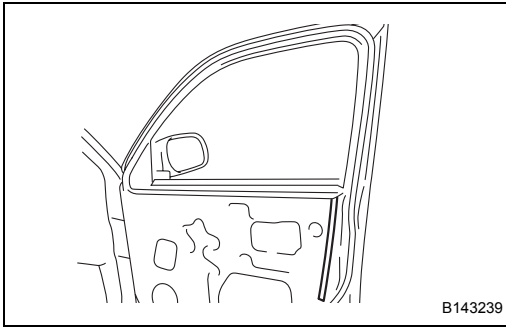
- (b) Using a "Torx" Socket Wrench (T30), install the front door outside handle cover RH with the screw.
(c) Install the plug hole.

**15. INSTALL FRONT DOOR FRAME RR LWR RH**

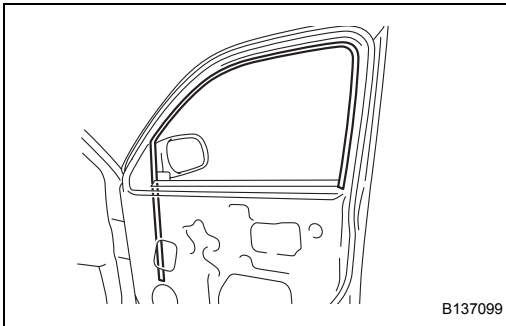
- (a) Install the front door frame RR LWR RH with the 2 bolts.
Torque: 5.0 N*m (51 kgf*cm)

**16. INSTALL FRONT DOOR FRAME FR LWR RH**

- (a) Install the front door frame FR LWR RH with the 2 bolts.
Torque: 5.0 N*m (51 kgf*cm)

**17. INSTALL FRONT DOOR GLASS RUN NO. 2**

- (a) Install the front door glass run No. 2.

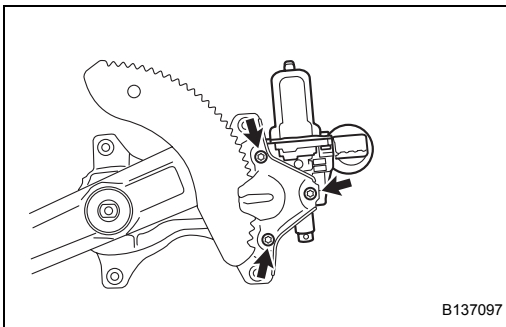
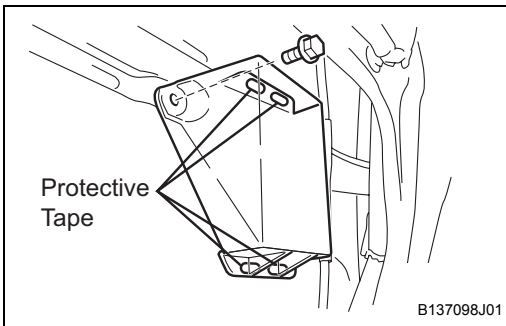
**18. INSTALL FRONT DOOR GLASS RUN RH**

- (a) Install the front door glass run RH to the front door panel.

19. INSTALL FRONT DOOR OUTER PANEL PAD RH (WITH FRONT DOOR OUTER PANEL PAD)

- (a) Clean the installation surface.
 - (1) Heat the double-sided tape on the front door panel using a heat gun. Then wipe off the tape with a rag.
 - (2) Clean the surface with a solvent.
- (b) Clean the front door outer panel pad RH. (when reusing)
 - (1) Heat the double-sided tape on the front door outer panel pad RH using a heat gun.
 - (2) While heating the tape with the heat gun, use a rag to scrub off the double-sided tape remaining on the front door outer panel pad RH.
 - (3) Clean the surface with a solvent.
 - (4) Apply double-sided tape to the front door outer panel pad RH.
- (c) Install the front door outer panel pad RH.
 - (1) Install the front door outer panel pad RH with the bolt and firmly press-fit the front door outer panel pad RH.

Torque: 5.0 N*m (51 kgf*cm)

**20. INSTALL POWER WINDOW REGULATOR MOTOR ASSEMBLY RH**

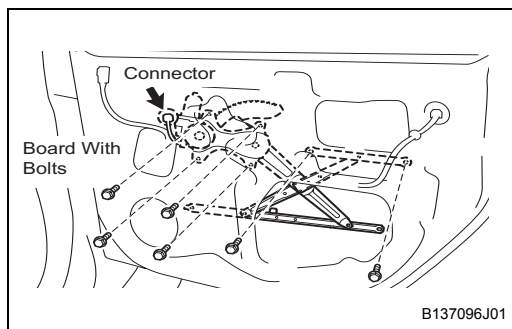
- (a) Using a "Torx" Socket Wrench (T25), install the power window regulator motor assembly RH to the front door window regulator RH with the 3 screws.

HINT:

The new regulator motor does not have threads in the screw holes, but by using self tapping screws, the threads will be created when the new screws are installed.

21. INSTALL FRONT DOOR WINDOW REGULATOR RH

- (a) Install a temporary bolt to the front door window regulator RH.



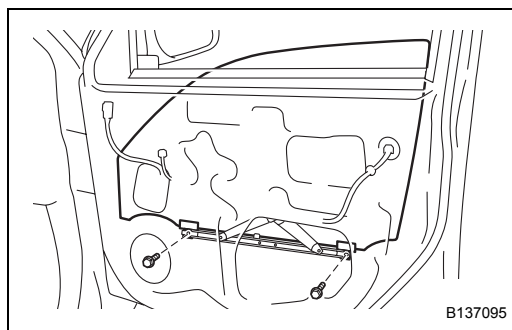
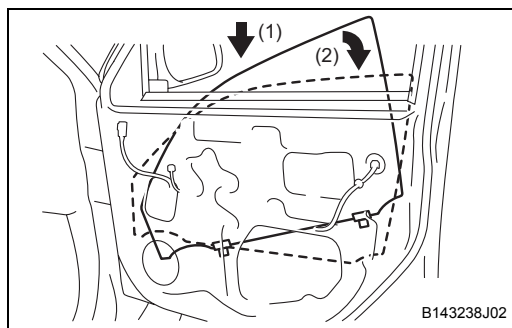
- (b) Temporarily install the front door window regulator RH to the front door panel.
- (c) Tighten the 6 bolts, and install the front door window regulator RH.
Torque: 5.0 N*m (51 kgf*cm)
- (d) Connect the connector of the power window regulator motor assembly RH.

22. INSTALL FRONT DOOR GLASS RH

- (a) Connect the power window regulator master switch assembly and move the front door window regulator RH until the installation position of the front door glass RH is visible. (when working on the driver's seat side)
- (b) Using the remote operation of the power window regulator master switch assembly, move the front door window regulator RH until the installation position of the front door glass RH is visible. (when working on the passenger seat side)
- (c) Temporarily install the front door glass RH to the front door window regulator RH, as shown in the illustration.

NOTICE:

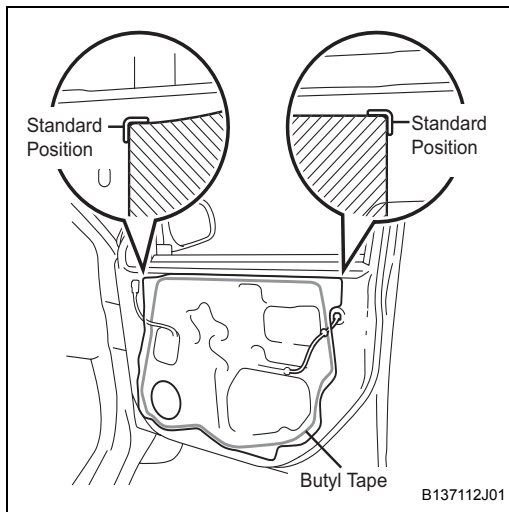
Do not damage the front door glass RH.



- (d) Install the front door glass RH with the 2 bolts.
Torque: 5.0 N*m (51 kgf*cm)
- (e) Remove the power window regulator master switch assembly.

23. INSTALL FRONT DOOR SERVICE HOLE COVER RH

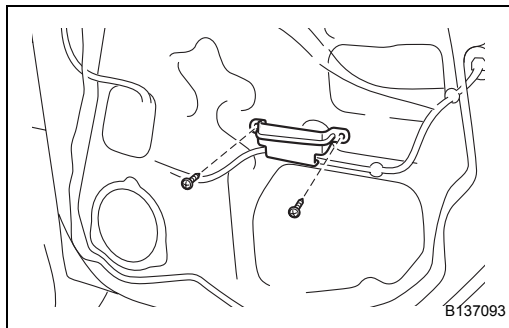
- (a) Apply butyl tape on the door panel side.
- (b) Put the front door lock remote control cable RH and rear door inside locking cable RH through the new front door service hole cover RH.



- (c) Attach the new front door service hole cover RH, aligning it with the standard position of the front door panel.

NOTICE:

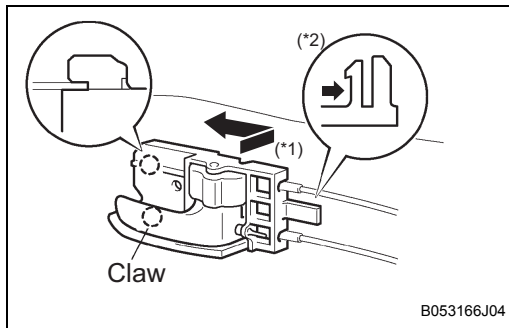
Attach the front door service hole cover RH, pressing it down fully to prevent wrinkles or bubbles.

24. INSTALL FRONT SPEAKER ASSEMBLY NO. 1**25. INSTALL DOOR TRIM BRACKET NO. 1**

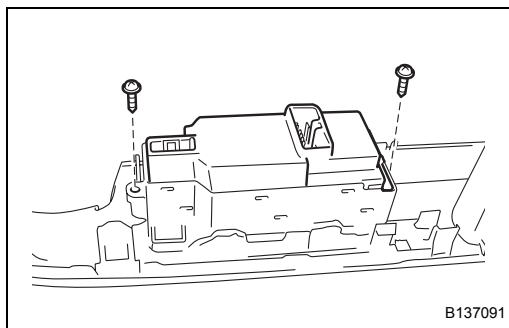
- (a) Install the door trim bracket No. 1 with the 2 screws.

26. INSTALL FRONT DOOR INSIDE HANDLE RH

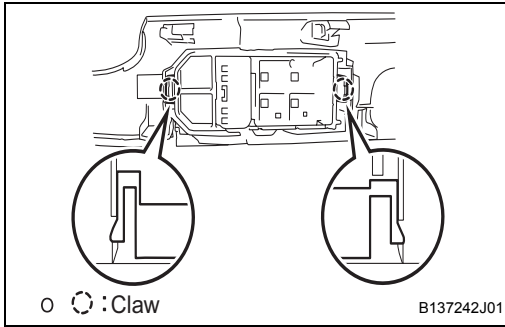
- (a) Connect the front door inside locking cable RH and the front door lock remote control cable RH to the front door inside handle RH.



- (b) Slide the front door inside handle RH toward the front of the vehicle and attach the 2 claws.(*1)
- (c) Attach the claw and install the front door inside handle RH.(*2)

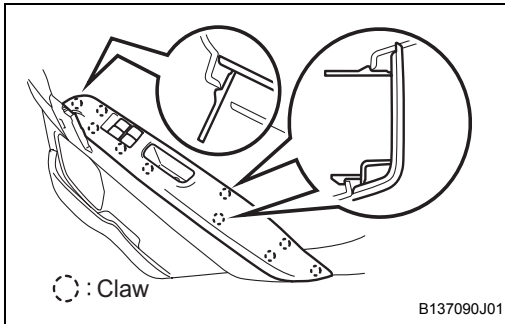
ED**27. INSTALL POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY (DRIVER'S SEAT SIDE)**

- (a) Install the master switch to the front armrest base panel UPR RH with the 2 screws.



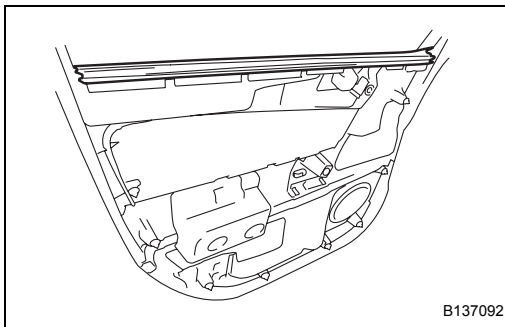
28. INSTALL POWER WINDOW REGULATOR SWITCH ASSEMBLY (PASSENGER SEAT SIDE)

- (a) Attach the 2 claws and install the power window switch to the rear door armrest base panel UPR.



29. INSTALL FRONT ARMREST BASE PANEL UPR RH

- (a) Attach the 10 claws and install the front armrest base panel UPR RH.

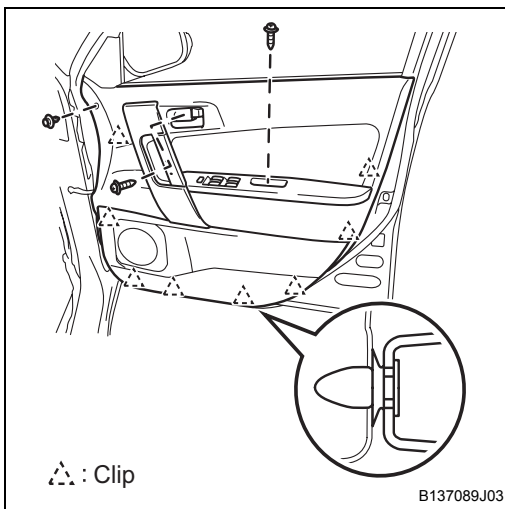


30. INSTALL FRONT DOOR GLASS WEATHERSTRIP RH

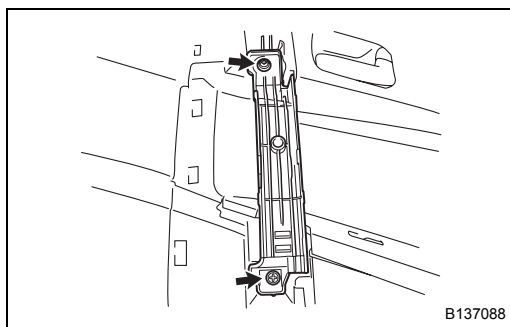
- (a) Install the front door glass weatherstrip INN RH.

31. INSTALL FRONT DOOR TRIM BOARD RH

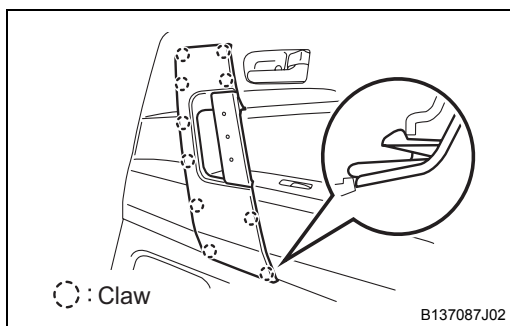
- (a) Connect the connector of the power window master switch assembly.



- (b) Engage the 8 claws and install the front door trim board RH.
- (c) Install the 2 screws and clip.

**32. INSTALL DOOR ASSIST GRIP BASE**

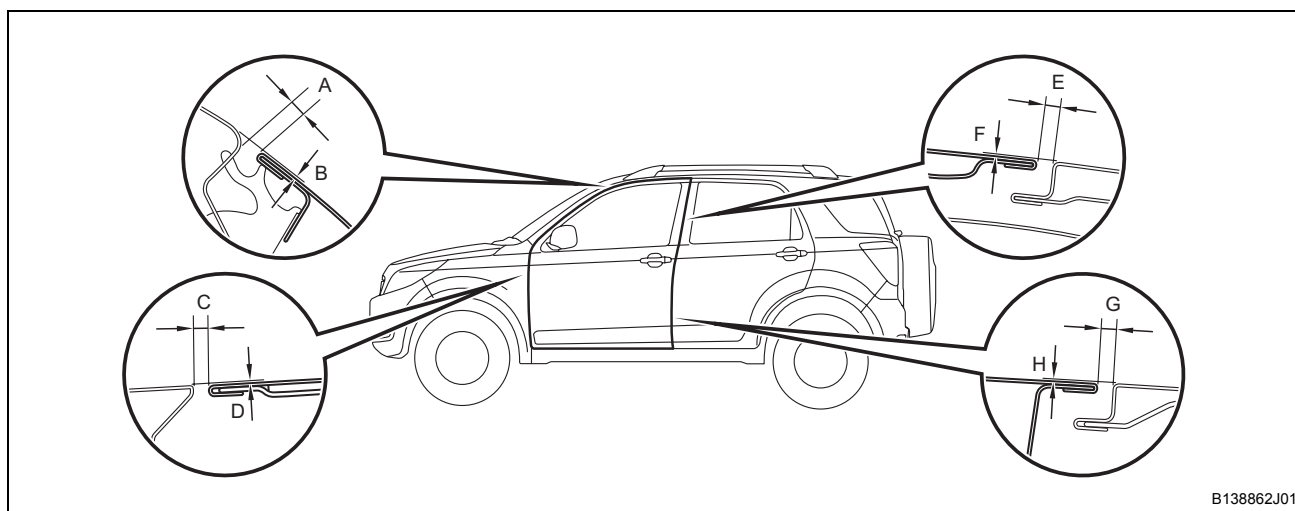
- (a) Install the door assist grip base with the 2 screws.

**33. INSTALL FRONT DOOR ASSIST GRIP COVER RH**

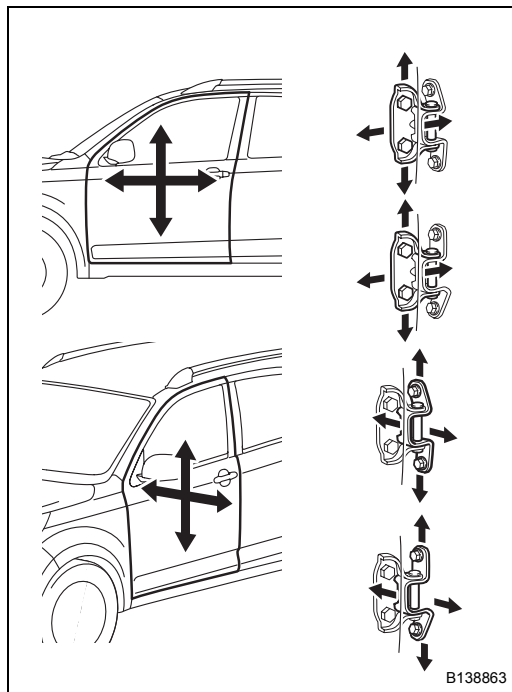
- (a) Engage the 10 claws to install the front door assist grip cover RH.

34. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH RH**ADJUSTMENT****1. CHECK FRONT DOOR PANEL LH**

- (a) Check that the installed fit of the rear door panel LH is within the specified range.

**Reference value**

A	$4.5 \pm 1.5 \text{ mm}$	E	$4.3 \pm 1.5 \text{ mm}$
B	$1.0 \pm 1.5 \text{ mm}$	F	$0 \pm 1.5 \text{ mm}$
C	$4.3 \pm 1.5 \text{ mm}$	G	$4.3 \pm 1.5 \text{ mm}$
D	$0 \pm 1.5 \text{ mm}$	H	$0 \pm 1.5 \text{ mm}$



2. ADJUST FRONT DOOR PANEL LH

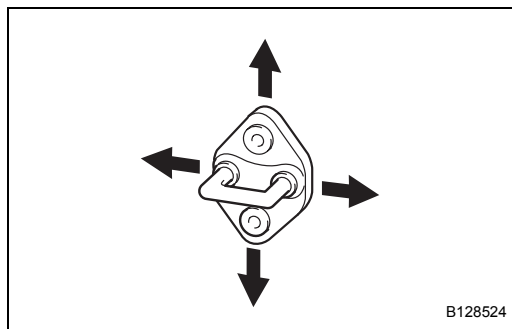
- (a) After loosening the bolt of the body side, use the SST to adjust the up or down and front to rear position of the door panel.

SST 09812-00010

Torque: 24 N*m (245 kgf*cm)

- (b) To adjust the up and down position of the door and the front to rear position of the front end of the door, first loosen the bolt on the door side.

Torque: 24 N*m (245 kgf*cm)



- (c) To adjust the height and horizontal position of the door rear end and front door lock striker plate assembly, use a "Torx" Socket Wrench (T40) to loosen the striker installation screws until the striker starts to move. Then adjust by tapping the striker using a brass bar.

Torque: 12.7 N*m (130 kgf*cm)

ED

