

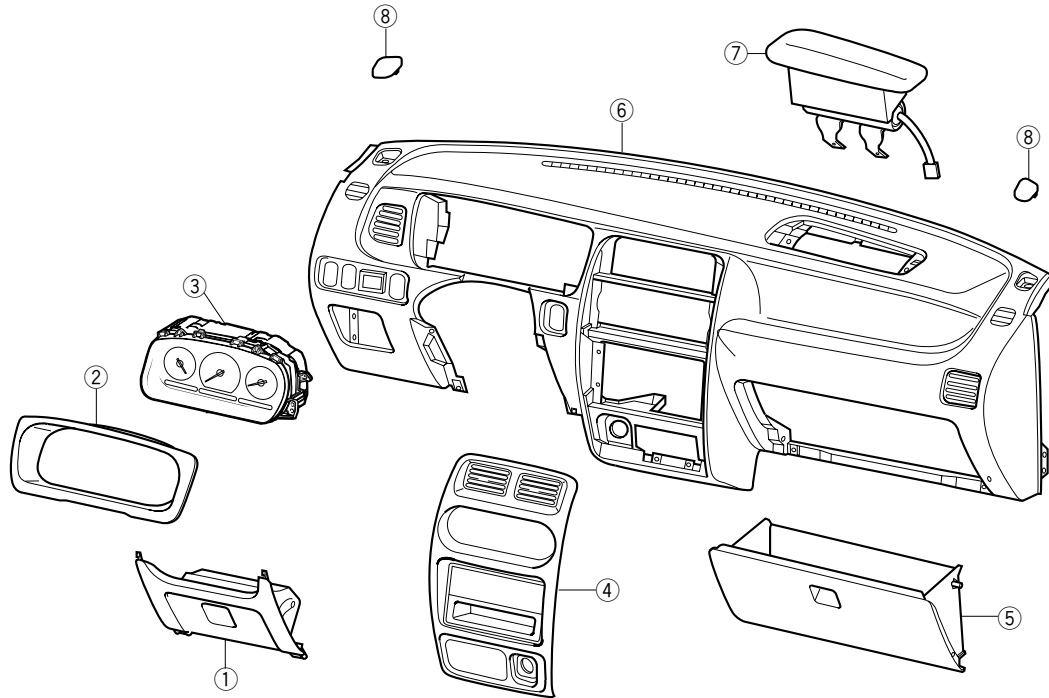
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INSTRUMENT PANEL COMPONENTS



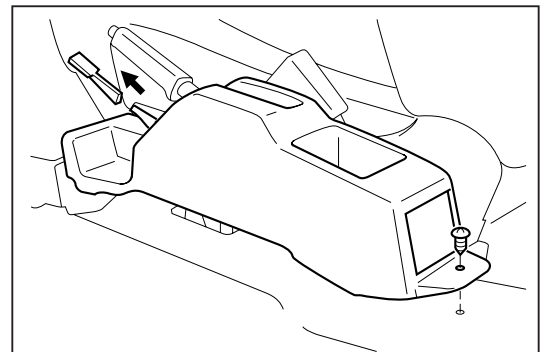
- ① Instrument panel finish lower panel
- ② Instrument panel cluster finish panel
- ③ Combination meter
- ④ Instrument panel cluster finish lower center panel

- ⑤ Glove compartment door
- ⑥ Instrument panel
- ⑦ Instrument panel passenger airbag
- ⑧ Instrument panel hole cover

MBO00002-00001

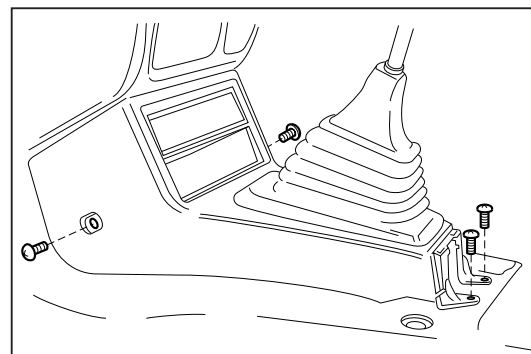
REMOVAL

1. Disconnect the negative (–) terminal of the battery.
2. Remove the rear console box.
 - (1) Remove the back door opening control lever.
 - (2) Remove the rear console box from the console panel by removing the screw.



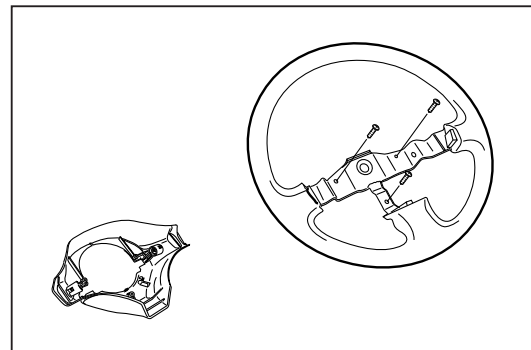
MBO00003-00002

3. Remove the console panel.
 - (1) Remove the shift lever knob.
 - (2) Remove the console panel from the shift lever by removing the screws.



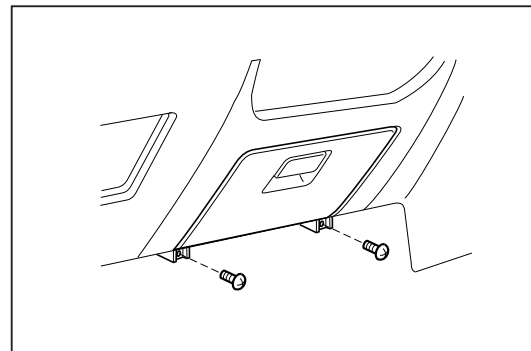
MBO00004-00003

4. Remove the steering wheel and steering column cover.
(Refer to the SR section.)



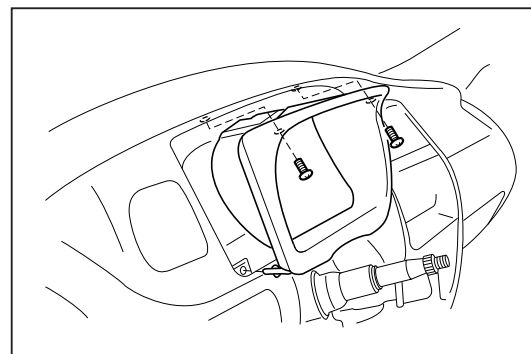
MBO00005-00004

5. Remove the instrument finish lower panel.
 - (1) Remove the finish lower panel from the instrument panel by removing the screws.



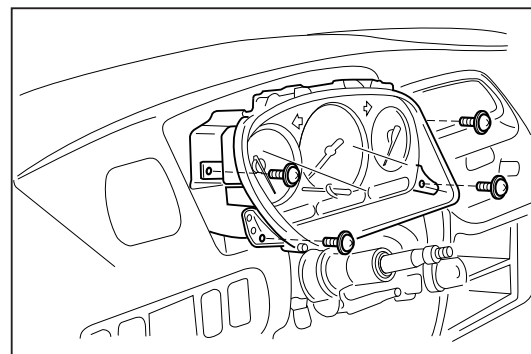
MBO00006-00005

6. Remove the speedometer.
 - (1) Remove the instrument cluster finish panel.



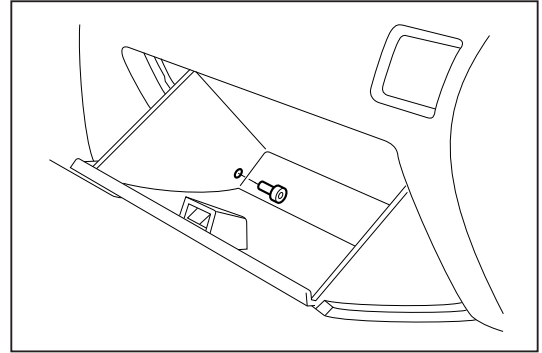
MBO00007-00006

- (2) Remove the set screws (four pcs.).
 - (3) Remove the speedometer by disconnecting each connector.



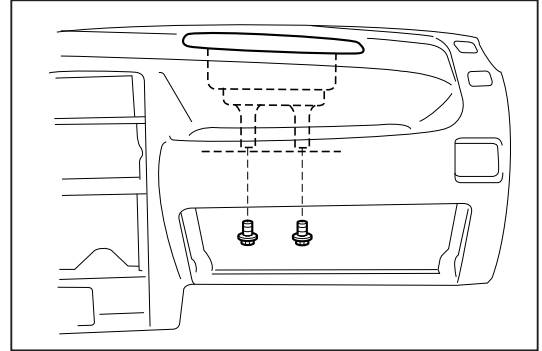
MBO00008-00007

7. Remove the glove compartment.
 - (1) Remove the glove compartment from the instrument panel by pulling out the hinge pin.



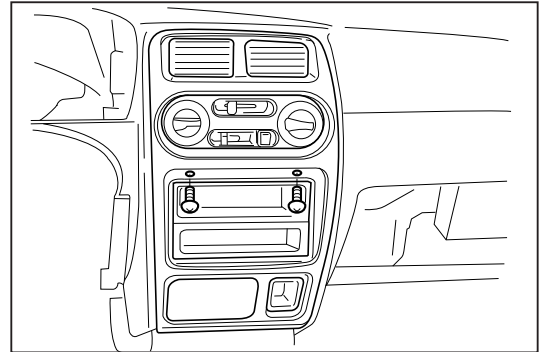
MBO00009-00008

8. Remove the airbag set bolts.
 - (1) Remove the airbag set bolts (two pcs.) from the reinforcement.
 - (2) Disconnect the connector of the wiring harness.



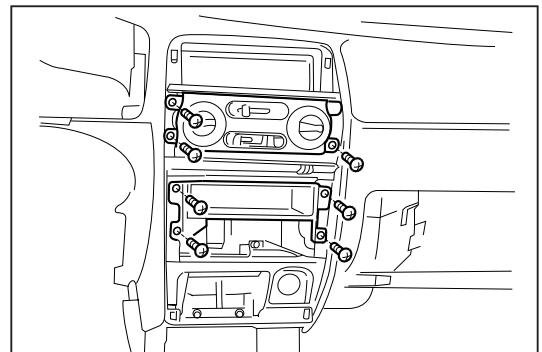
MBO00010-00009

9. Remove the instrument cluster finish center panel.
 - (1) Remove the center panel from the instrument panel by removing the screws (two pcs.).



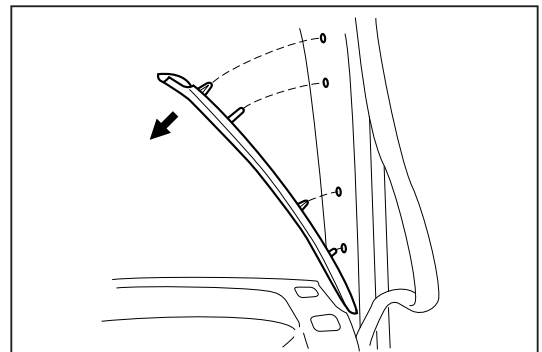
MBO00011-00010

10. Remove the radio tuner opening cover and heater control.
 - (1) Remove the opening cover from the bracket by removing the set screws (four pcs.).
 - (2) Remove the heater control from the instrument panel by removing the screws (three pcs.).



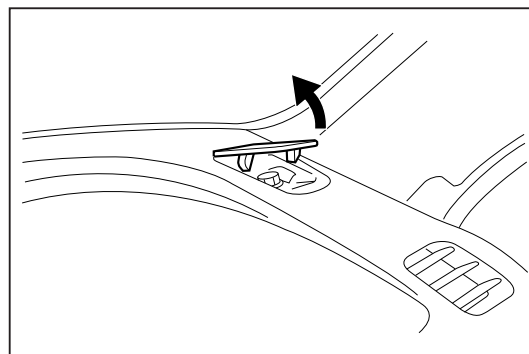
MBO00012-00011

11. Remove the front door pillar garnish.
 - (1) Remove the door opening trim molding.
 - (2) Remove the pillar garnish from the front pillar.



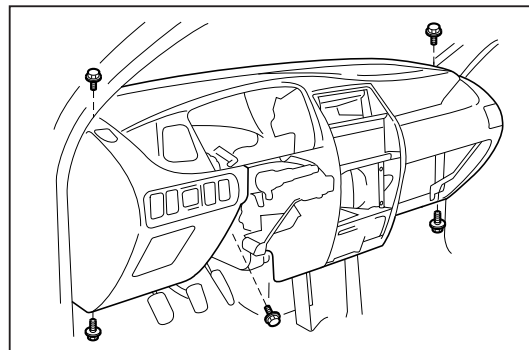
MBO00013-00012

12. Remove the instrument panel.
- (1) Remove the instrument panel hole cover.



MBO00014-00013

- (2) Remove the instrument panel from the reinforcement by removing the set bolts.



MBO00015-00014

INSTALLATION

1. Reverse the removal procedure to carry out the installation.

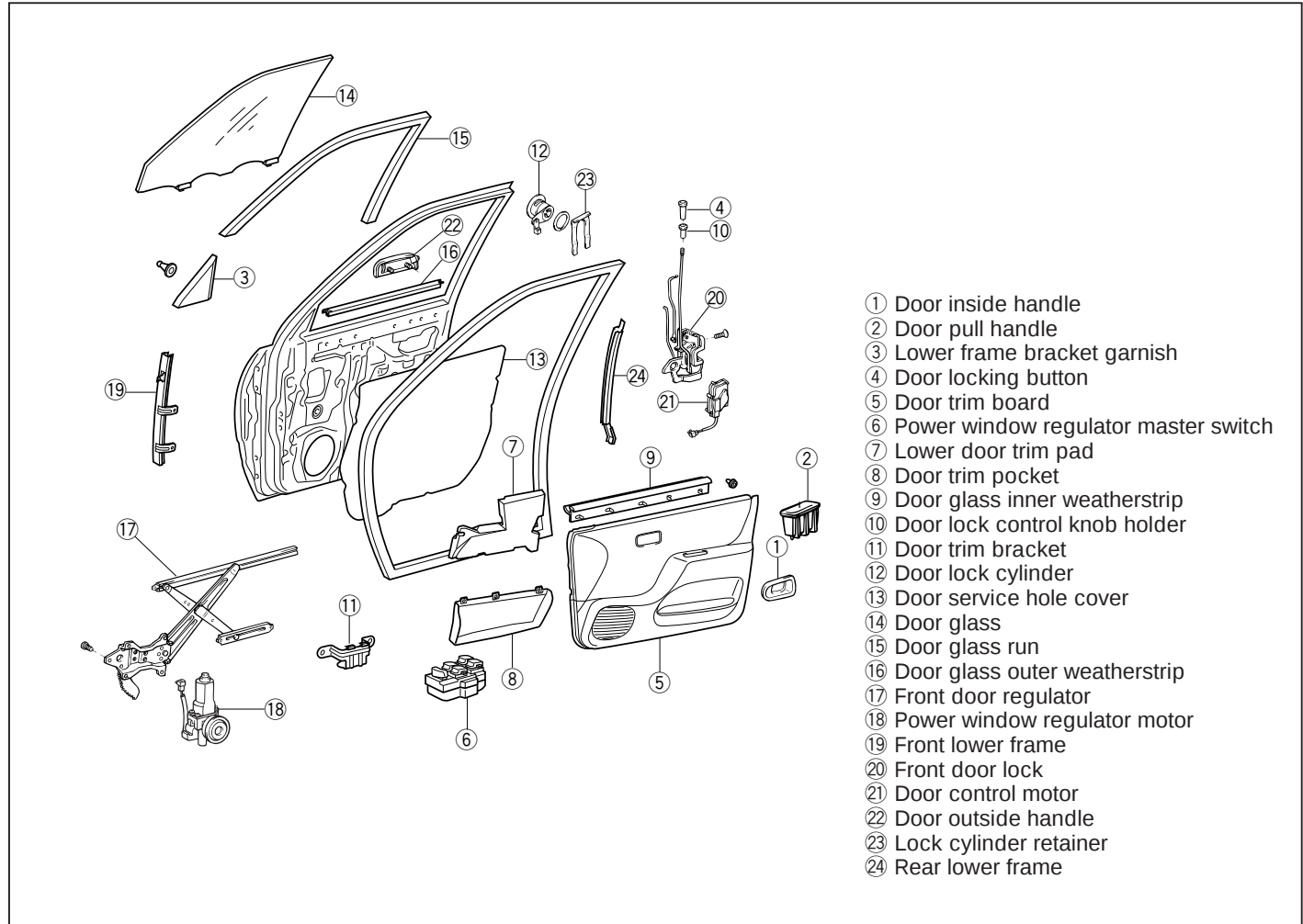
WARNING:

- For the installation of the airbag, refer to the section under Airbag Handling Procedure in the BE section so that the operations may be performed positively.
- Installation of the airbag at the passenger seat side to reinforcement

Tightening Torque: 6.7 - 9.6 N·m

MBO00016-00000

FRONT DOOR COMPONENTS

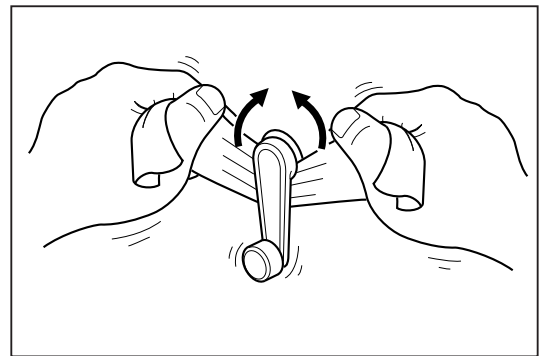


MBO00017-00015

DISASSEMBLY

1. Remove the regulator handle (except electric motor-driven type).

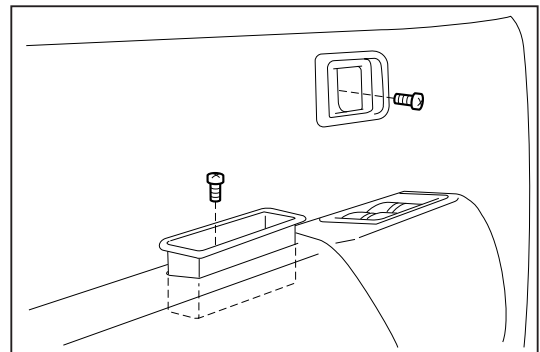
(1) Remove the set spring, using a piece of cloth. Remove the regulator handle and plate.



MBO00018-00016

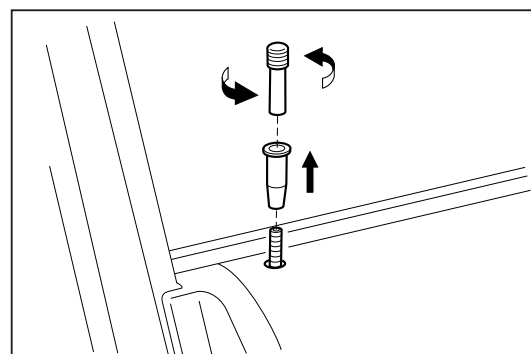
2. Remove the inside handle and pulling handle.

(1) Remove the inside handle and pulling handle from the door trim panel by removing the set screws.



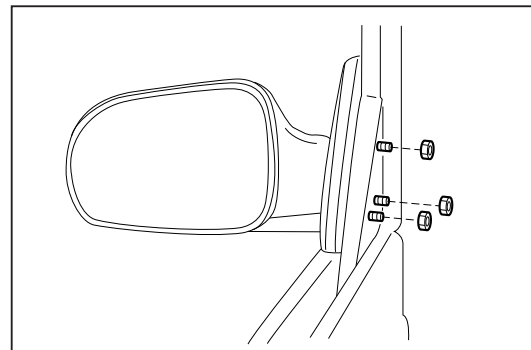
MBO00019-00017

3. Remove the door locking button.
 - (1) Remove the retainer by removing the locking button.



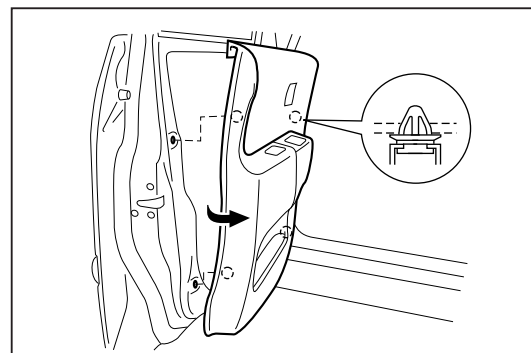
MBO00020-00018

4. Remove the outer rear-view mirror (except electric motor-driven type).
 - (1) Remove the garnish.
 - (2) Remove the mirror by removing the set nuts (three pcs.).



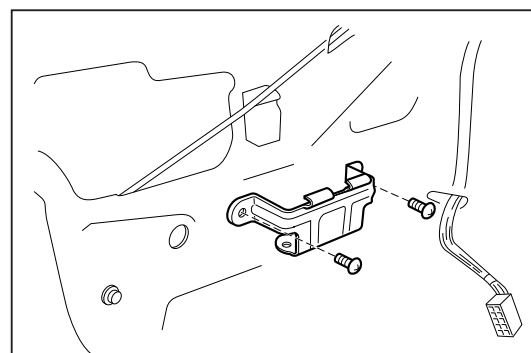
MBO00021-00019

5. Remove the door trim panel.
 - (1) Detach the clip section from the door panel. Remove the trim panel from the door panel.
 - (2) Remove the power window switch connector.



MBO00022-00020

6. Remove the door trim No. 1 bracket.
 - (1) Remove the bracket from the door panel by removing the screws (two pcs.).

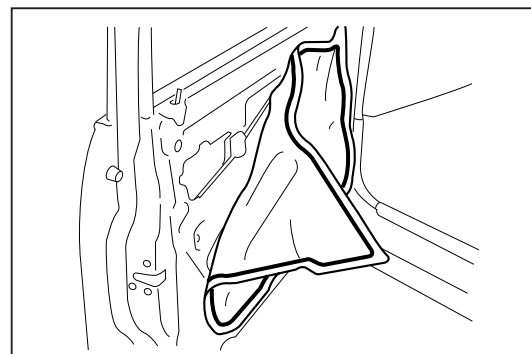


MBO00023-00021

7. Remove the service hole cover.

NOTE:

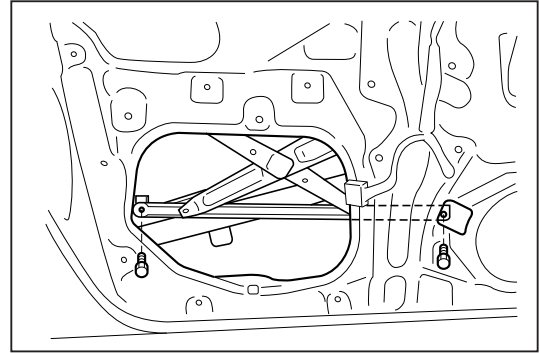
- Care must be exercised so that the butyl tape may not adhere to other parts during the removal.



MBO00024-00022

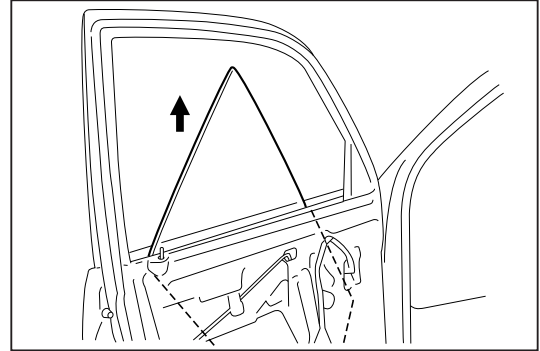
8. Remove the door glass.

- (1) Turn the regulator by means of the regulator handle (or the power window switch), until the set bolt is aligned with the service hole position. Remove the set bolt.



MBO00025-00023

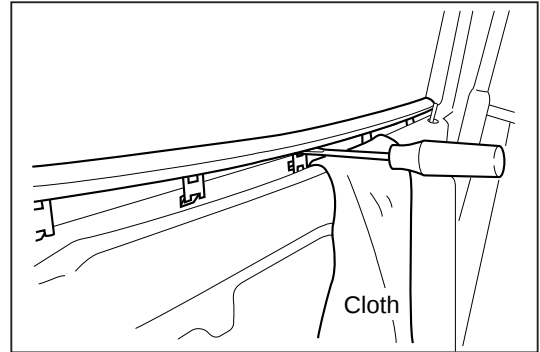
- (2) Remove the glass upward, holding the glass vertically.



MBO00026-00024

9. Remove the inner weatherstrip.

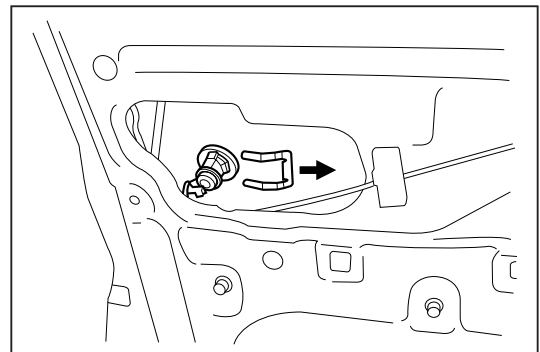
- (1) Detach the clip from the door panel by means of a screwdriver.



MBO00027-00025

10. Remove the lock cylinder.

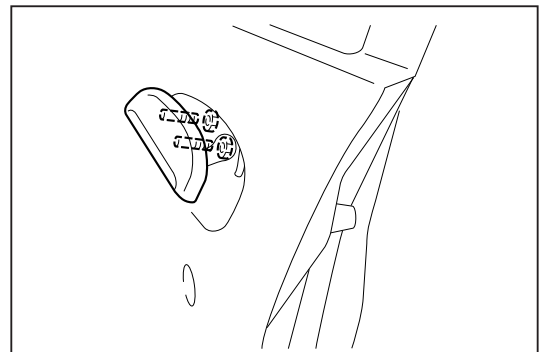
- (1) Remove the door open control link from the lock cylinder.
- (2) Remove the lock cylinder from the door panel by removing the retainer.



MBO00028-00026

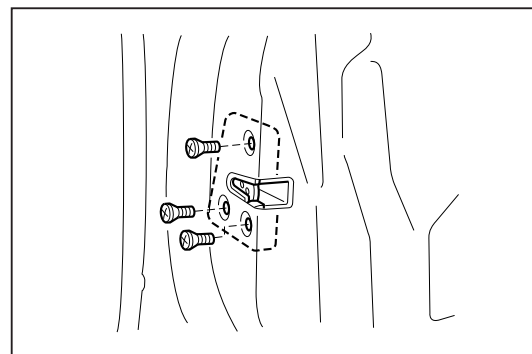
11. Remove the door outside handle.

- (1) Remove the door open control link from the outside handle.
- (2) Remove the outside handle from the door panel by removing the set nuts (two pcs.).



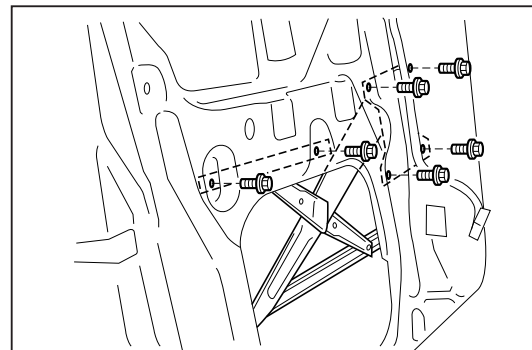
MBO00029-00027

12. Remove the door lock.
 - (1) Remove the power lock connector (if so equipped).
 - (2) Remove the door lock from the door panel by removing the screws (three pcs.).



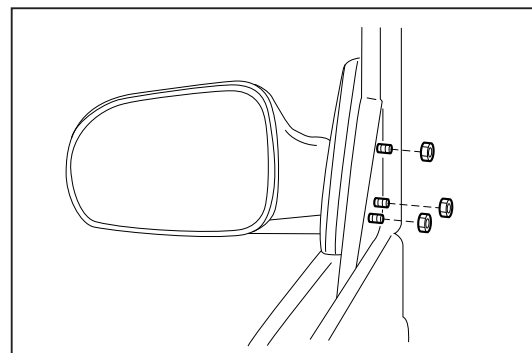
MBO00030-00028

13. Remove the window regulator.
 - (1) Disconnect the connector of the power window (if so equipped).
 - (2) Remove the set bolts (six pcs.). Take out the regulator assembly from the service hole.



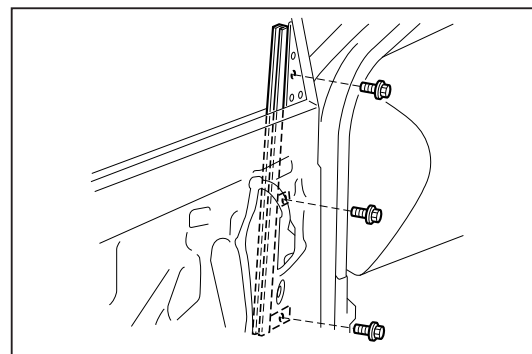
MBO00031-00029

14. Remove the outer rear-view mirror (electric motor-driven type).
 - (1) Disconnect the connector of the outer rear-view mirror.
 - (2) Remove the mirror from the door panel by removing the set nuts (three pcs.).



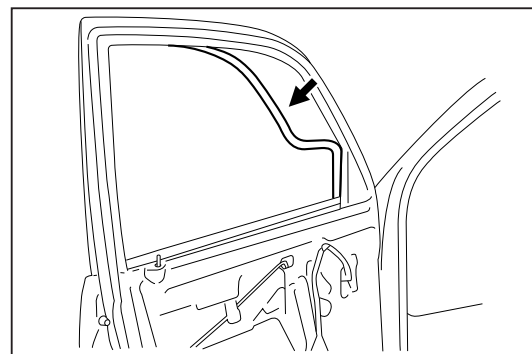
MBO00032-00030

15. Remove the front lower frame.
 - (1) Remove the lower frame from the panel by removing the set bolts (three pcs.).



MBO00033-00031

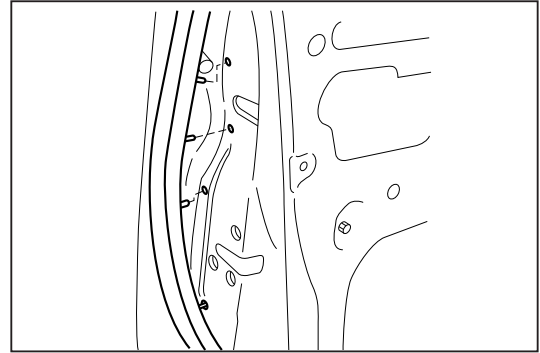
16. Remove the door glass run.
 - (1) Pull out the glass run from the door frame.



MBO00034-00032

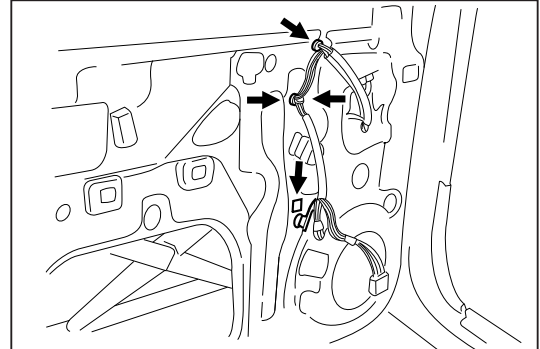
BO-10

17. Remove the door weatherstrip.
- (1) Remove the weatherstrip by detaching the clip from the door panel.



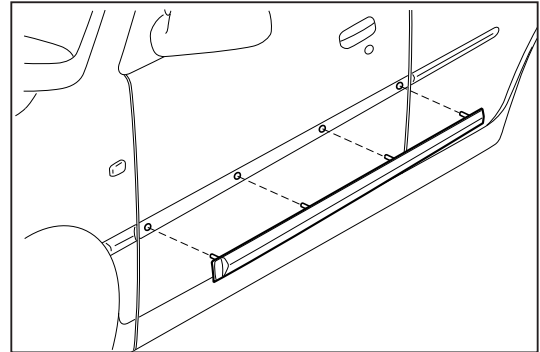
MBO00035-00033

18. Remove the front door wiring harness.
- (1) Remove the harness clamp from the door panel.



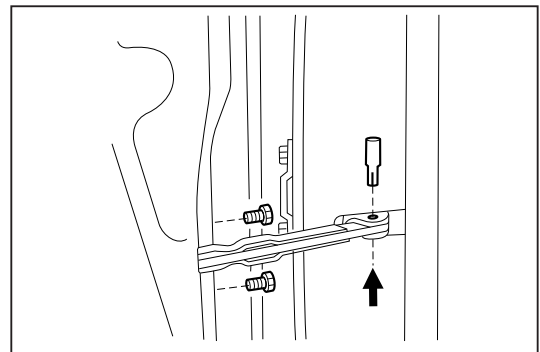
MBO00036-00034

19. Remove the side protection molding.
- (1) Detach the clips from the door panel.
- (2) Peel off the adhesive section. Remove the protection molding from the door panel.



MBO00037-00035

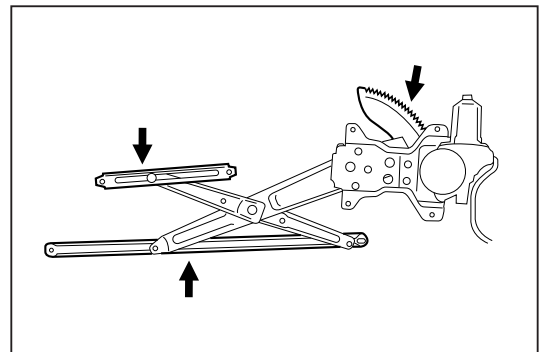
20. Remove the front door check.
- (1) Drive out the pin upward by means of a pin punch.
- (2) Remove the door check by removing the set bolts (two pcs.).



MBO00038-00036

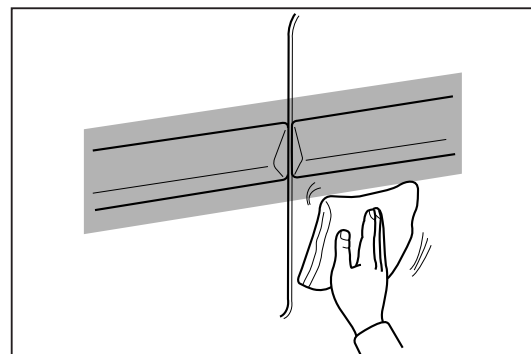
ASSEMBLY

1. Prior to the assembling, apply MP grease to the movable section of each part.
- (1) Rotating sections, such as roller section of regulator
- (2) Sliding section of door lock



MBO00039-00037

2. Install the side protection molding.
 - (1) Wipe off dirt from the adhesive surface with cleaner (alcohol).



MBO00040-00038

- (2) Preheat the adhesive surfaces of the body and protection molding.

Heating temperature of

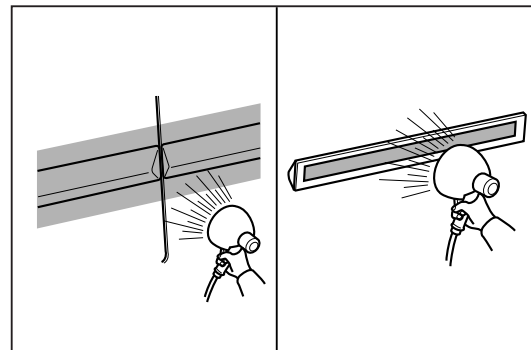
adhesive surface of body: 30 - 50°C

Heating temperature of

adhesive surface of molding: 20 - 30°C

NOTE:

- In cases where the ambient temperature is above 20°C, it is possible to omit the preheating.

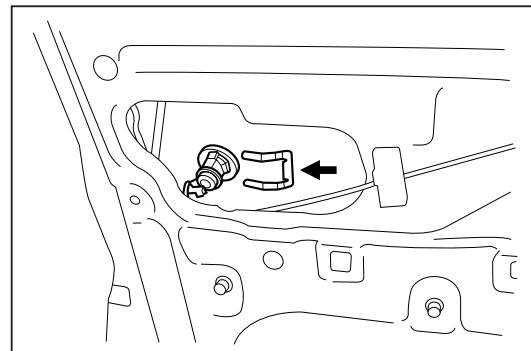


MBO00041-00039

- (3) Peel off the protection sheet of the two-face adhesive tape and let the molding adhere.

3. Install the lock cylinder.

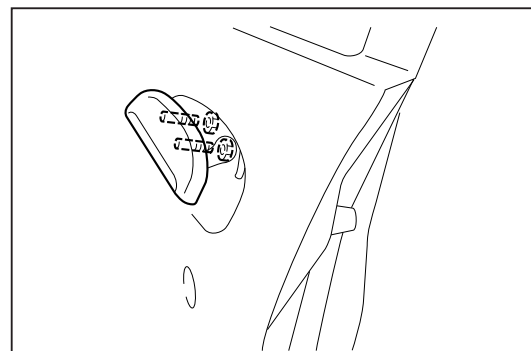
- (1) Positively insert the retainer into the groove section of the lock cylinder.



MBO00042-00040

4. Install the outside handle.

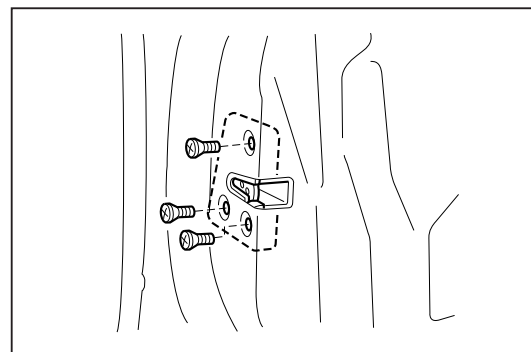
- (1) Install the handle to the door panel with the set nuts (two pcs.).



MBO00043-00041

5. Install the door lock.

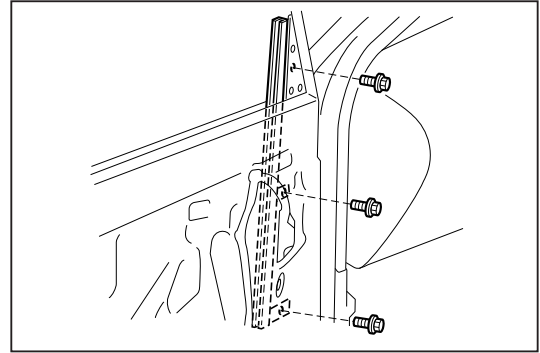
- (1) Install the door lock to the door panel with the screws (three pcs.).
 - (2) Install the door open control link to the lock cylinder.
 - (3) Connect the door open control link to the lever of the handle.



MBO00044-00042

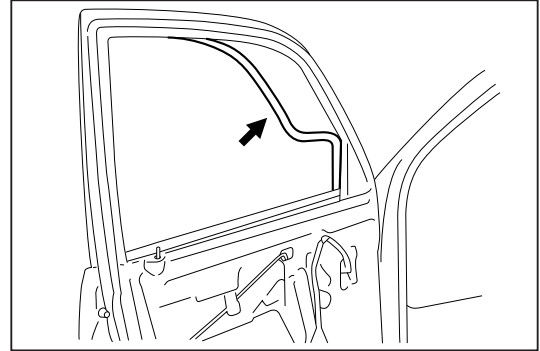
BO-12

6. Install the front lower frame.
 - (1) Insert the protruding section of the lower frame into the door frame.
 - (2) Install the frame to the door panel with the screws (three pcs.).



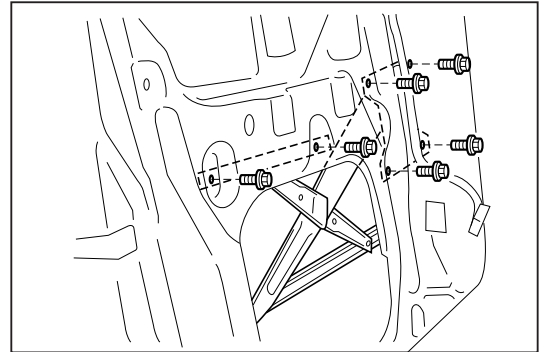
MBO00045-00043

7. Install the door glass run.
 - (1) Install the glass run to the door frame.



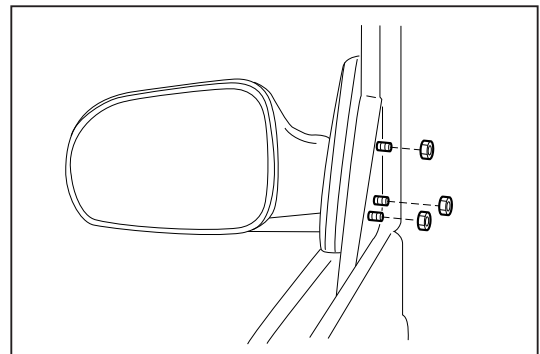
MBO00046-00044

8. Install the door window regulator.
 - (1) Install the regulator assembly to the door panel.



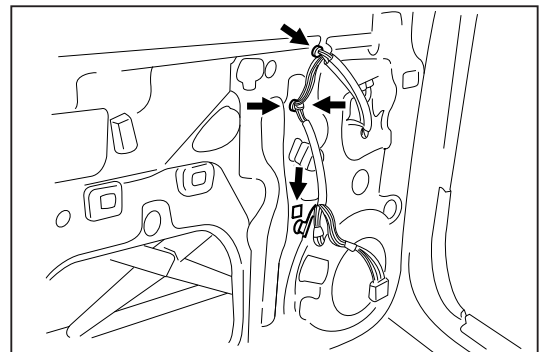
MBO00047-00045

9. Install the door mirror (electric motor-driven type).
 - (1) Pass the harness of the mirror through the door panel.
 - (2) Install the mirror to the door panel with the set nuts (three pcs.).



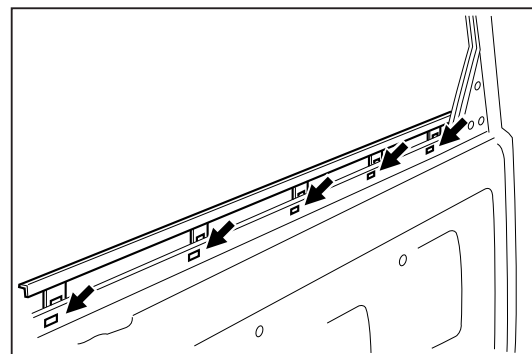
MBO00048-00046

10. Install the door harness.
 - (1) Insert the harness clamp into the clamp hole of the door panel.
 - (2) Connect the wires of the power lock and door mirror connector.



MBO00049-00047

11. Install the inner weatherstrip.
 - (1) Positively insert the clips into the clip holes.

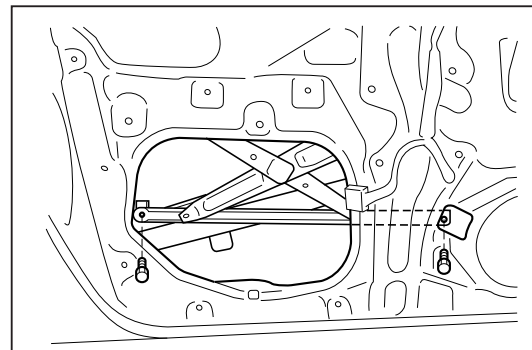


MBO00050-00048

12. Install the door glass.
 - (1) Turn the regulator by means of the regulator handle or the power window switch, until the position of the glass set bolt is aligned with the service hole.
 - (2) Install the glass to the regulator with the set bolts (two pcs.).

NOTE:

- Make sure that the glass moves smoothly by moving it up and down several times.
- Make sure that the regulator or the glass will not interfere with the wiring harnesses and connectors.

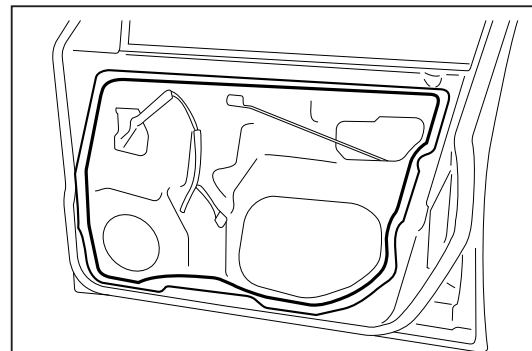


MBO00051-00049

13. Install the service hole cover.
 - (1) Affix a butyl tape along the groove of the door panel.
 - (2) Lightly press the entire periphery of the service hole cover so that it may stick to the butyl tape continuously.

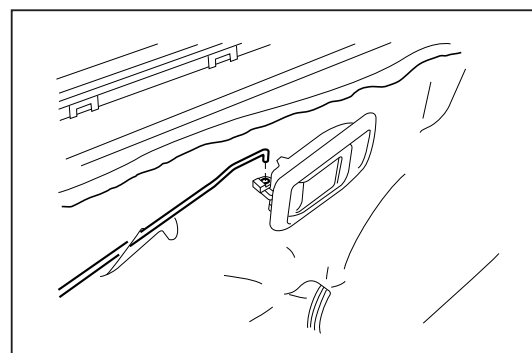
NOTE:

- Never pull the butyl tape when affixing it.
- Never reuse any torn service hole cover.
- Make sure that the butyl tape is affixed slantly so that water may flow into the drain.
- Be very careful not to make wrinkles when affixing the tape.



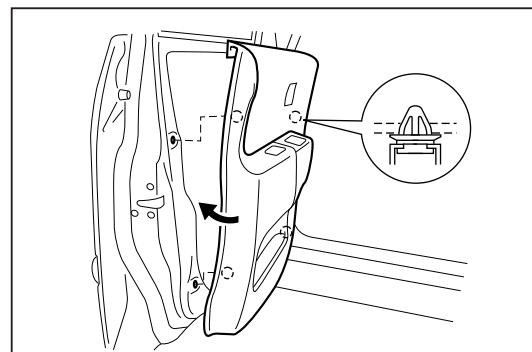
MBO00052-00050

14. Install the inside handle and door trim No. 1 bracket.
 - (1) Connect the inside handle with the door opening control link.
 - (2) Install the door trim No. 1 bracket with the screws (two pcs.).



MBO00053-00051

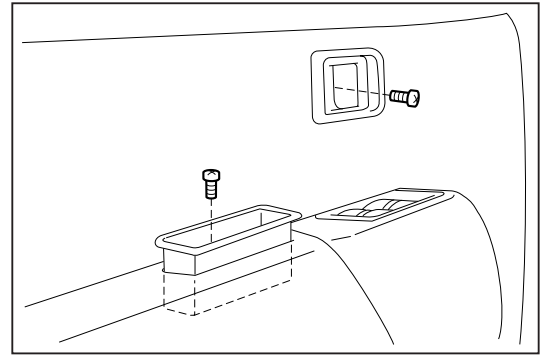
15. Install the door trim.
 - (1) Connect the connector of the power window switch.
 - (2) Positively insert the retainer of the door trim into the door panel.



MBO00054-00052

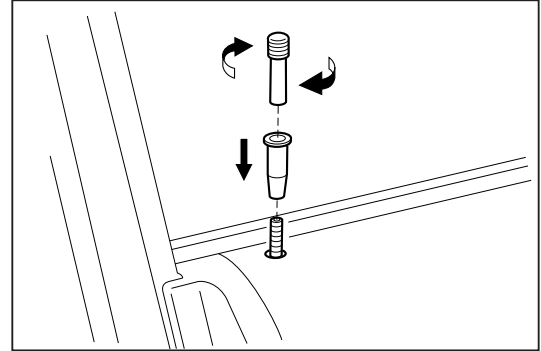
BO-14

16. Install the inside handle and pull handle.
(1) Install the inside handle and pull handle with the screws.



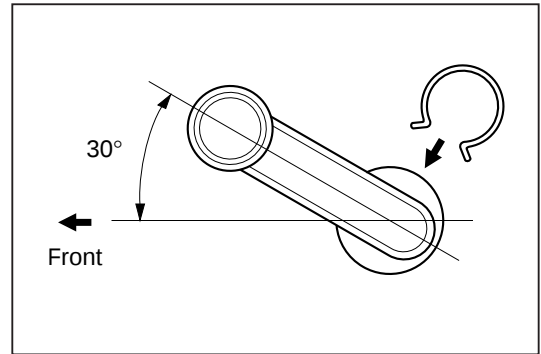
MBO00055-00053

17. Install the door lock button.
(1) Insert the retainer into the trim.
(2) Install the lock button to the open control link.



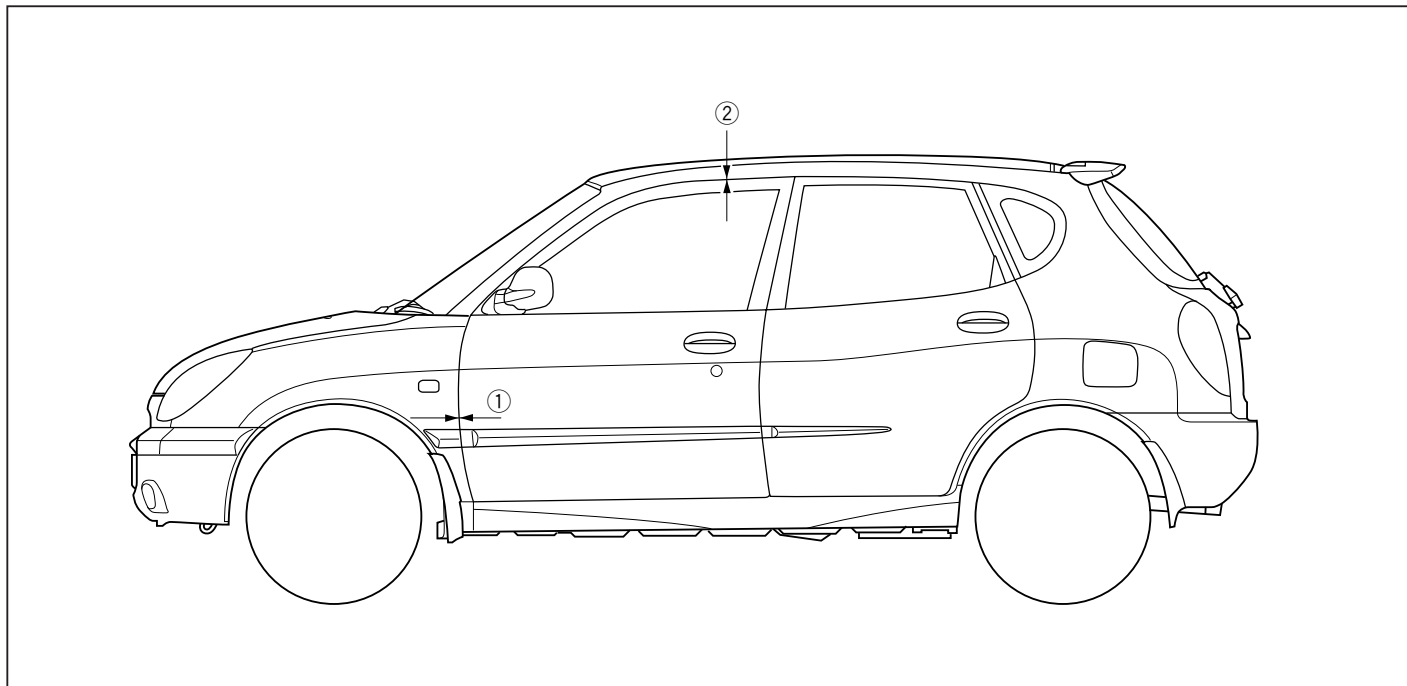
MBO00056-00054

18. Install the regulator handle.
(1) Fully close the door glass.
(2) Install the handle in the angle specified in the right figure. Insert the snap ring.



MBO00057-00055

FRONT DOOR ADJUSTMENT



MBO00058-00056

1. Adjustment of door gap

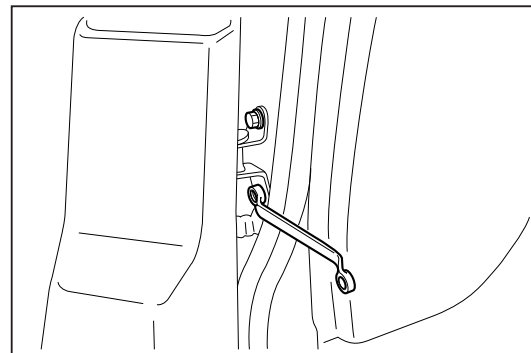
(1) Loosen the hinge bolts at the body side (front pillar side) to perform the adjustment.

① Fender and front door

Specified Value of Gap: 3.2 - 6.2 mm

② Side outer panel and door frame

Specified Value of Gap: 3.0 - 6.0 mm



MBO00059-00057

2. Adjustment of door lock striker

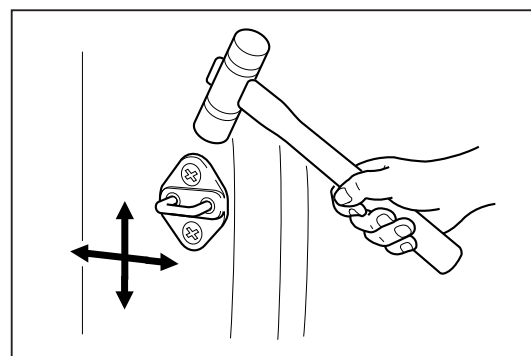
(1) Check that the door installation and lock linkage adjustment have been performed properly.

(2) Slightly loosen the striker attaching bolt.

(3) Adjust the position of the striker, using a plastic hammer.

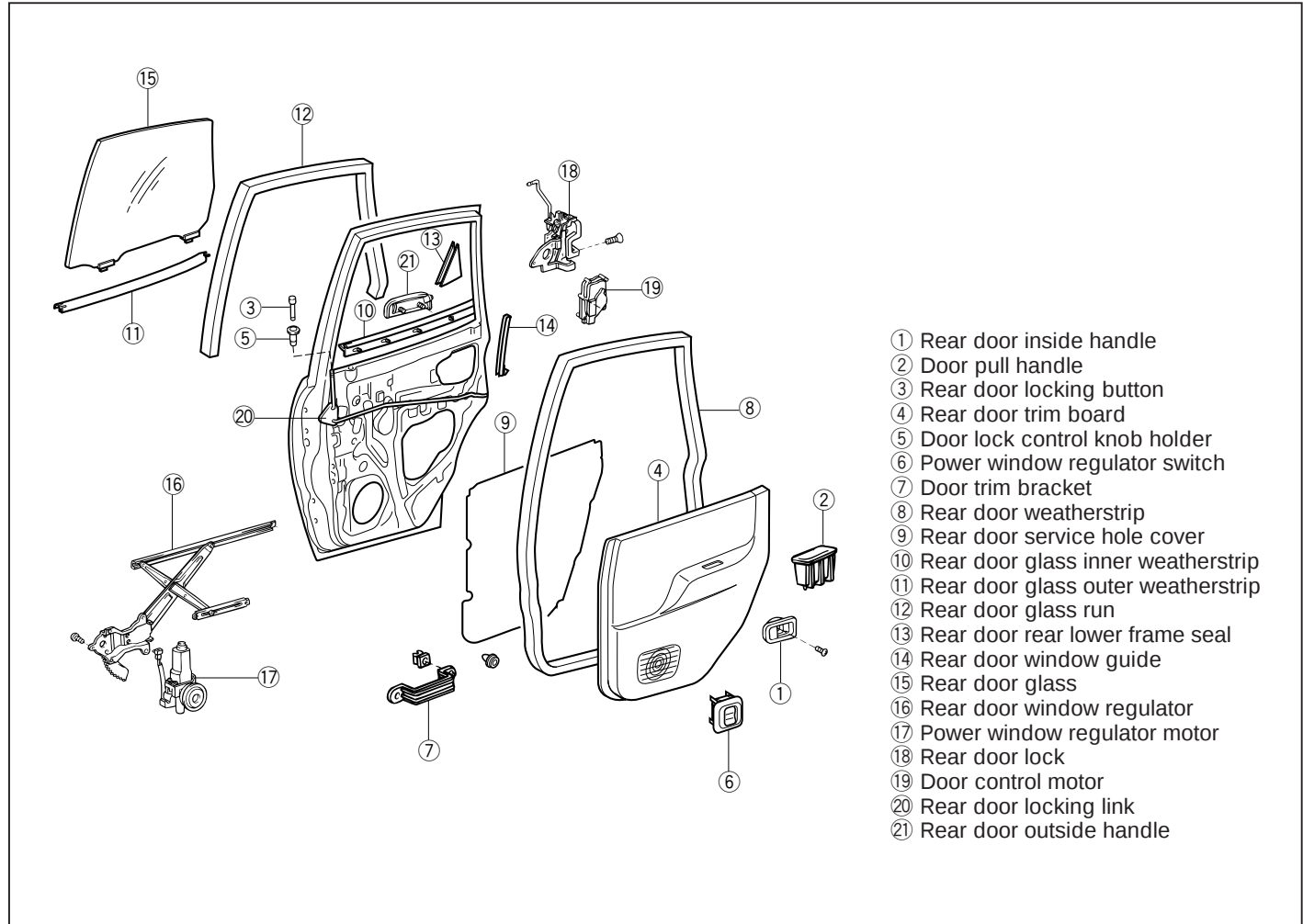
NOTE:

- Be sure to affix a protective tape to the painted surface to avoid scratching.



MBO00060-00058

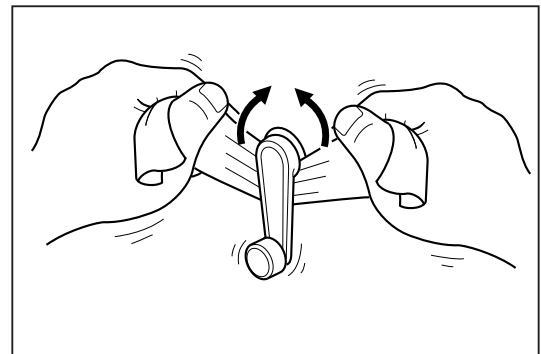
REAR DOOR COMPONENTS



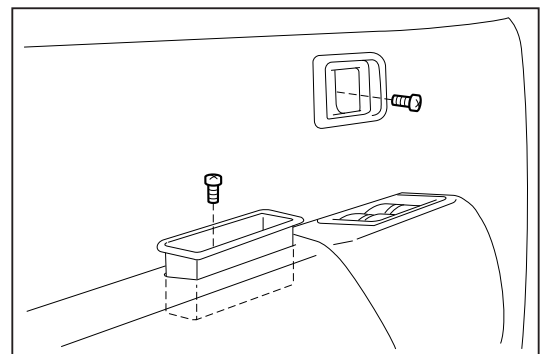
MBO00061-00059

DISASSEMBLY

1. Remove the regulator handle.
 - (1) Remove the snap ring, using a piece of cloth.
2. Remove the inside handle and pull handle.
 - (1) Remove the inside handle and pull handle by removing the screws.



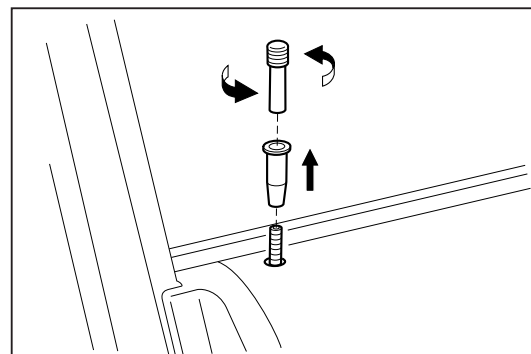
MBO00062-00060



MBO00063-00061

3. Remove the locking button.

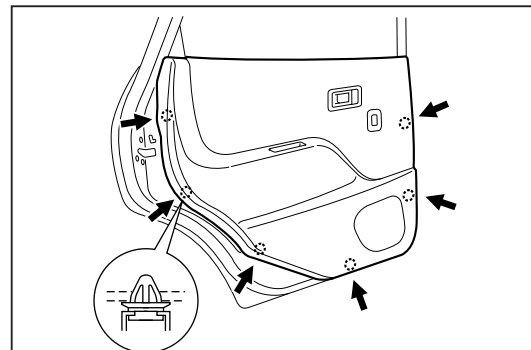
- (1) Remove the locking button and retainer from the control link.



MBO00064-00062

4. Remove the door trim.

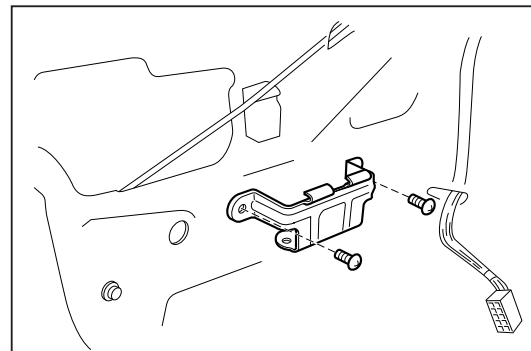
- (1) Detach the clip sections of the trim from the door panel.
- (2) Disconnect the power window switch connector (if so equipped).



MBO00065-00063

5. Remove the door trim No. 1 bracket.

- (1) Remove the bracket from the door panel by removing the screws (two pcs.).

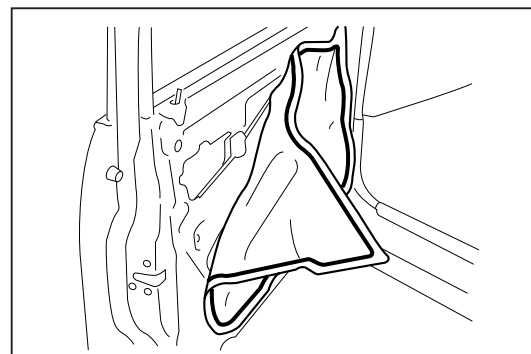


MBO00066-00064

6. Remove the service hole cover.

NOTE:

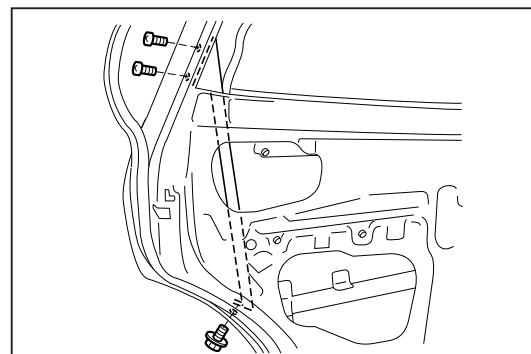
- Care must be exercised so that the butyl tape may not adhere to other parts during the removal.



MBO00067-00065

7. Remove the rear lower frame seal.

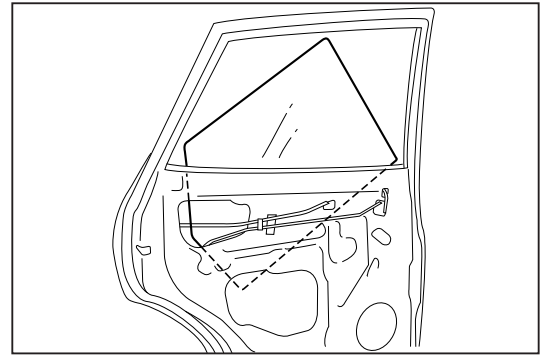
- (1) Remove the glass run and door weatherstrip.
- (2) Remove the rear lower frame seal together with the frame by removing the set screws (two pcs.) and bolt (one piece).



MBO00068-00066

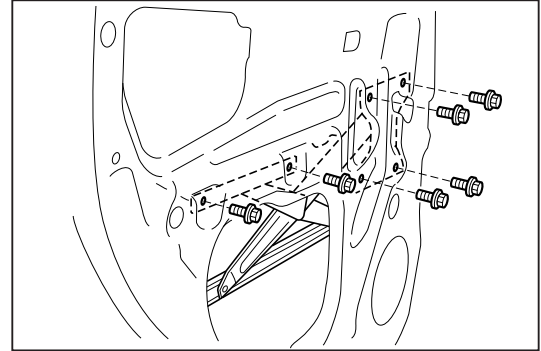
BO-18

8. Remove the door glass.
 - (1) Turn the regulator by means of the regulator handle (or power window switch), until the set bolt is aligned with the service hole position. Remove the set bolt.
 - (2) Remove the glass upward.



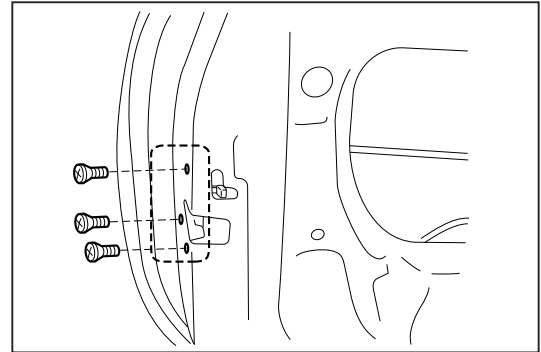
MBO00069-00067

9. Remove the regulator.
 - (1) Disconnect the connector of the power window (if so equipped).
 - (2) Take out the regulator assembly from the service hole by removing the set bolts (six pcs.).



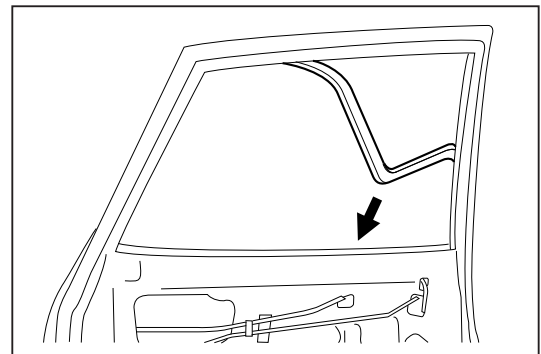
MBO00070-00068

10. Remove the door lock.
 - (1) Remove the door open control link from the outside handle.
 - (2) Remove the door open control link from the door lock.
 - (3) Remove the door lock from the door panel by removing the set screws (three pcs.).



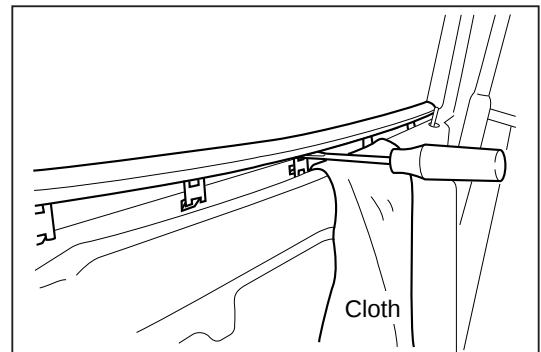
MBO00071-00069

11. Remove the door glass run.
 - (1) Pull out the glass run from the door frame.



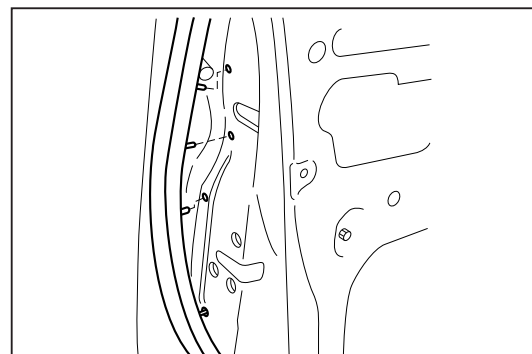
MBO00072-00070

12. Remove the inner weatherstrip.
 - (1) Detach the clips from the door panel, using a screwdriver.



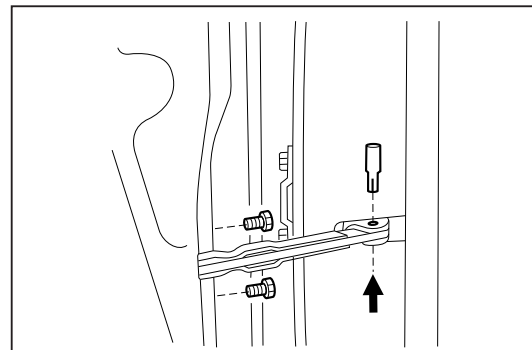
MBO00073-00071

13. Remove the door glass weatherstrip.
 - (1) Remove the weatherstrip from the door panel by detaching the clips.



MBO00074-00072

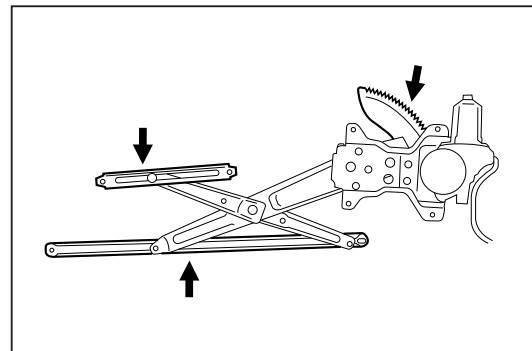
14. Remove the door check.
 - (1) Drive out the pin upward, using a pin punch.
 - (2) Remove the door check from the door panel by removing the set bolts (two pcs.).



MBO00075-00073

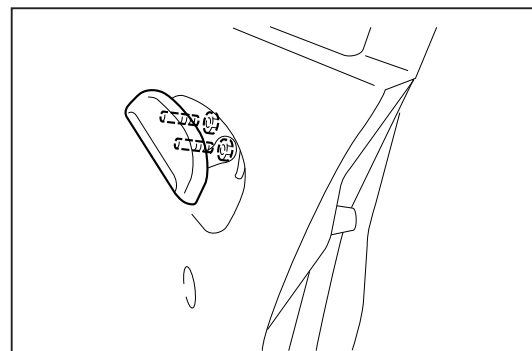
ASSEMBLY

1. Prior to the assembling, apply MP grease to the movable sections of each part.
 - (1) Rotating sections, such as roller section of regulator
 - (2) Sliding section of door lock



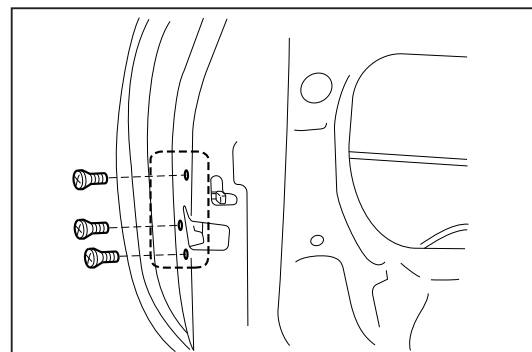
MBO00076-00074

2. Install the outside handle.
 - (1) Install the handle to the door panel with the set nuts (two pcs.).



MBO00077-00075

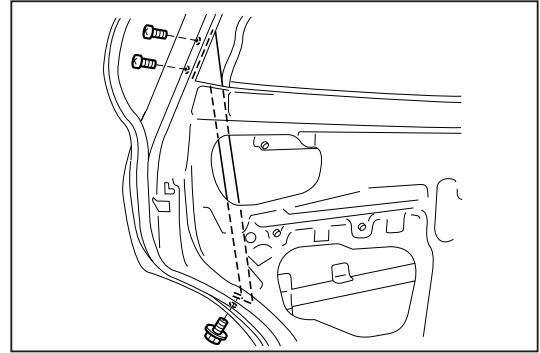
3. Install the door lock.
 - (1) Install the door lock to the door panel with the screws (three pcs.).
 - (2) Connect the open control link to the outside handle.



MBO00078-00076

4. Install the rear lower frame seal.

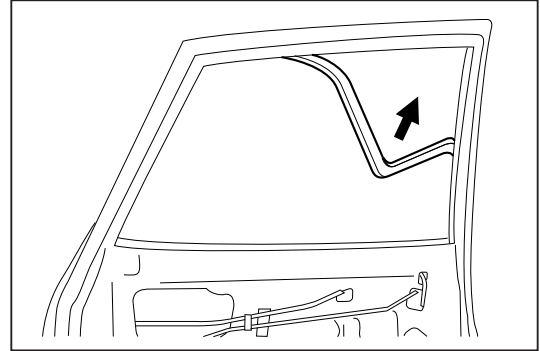
- (1) Install the rear lower frame seal together with the frame.



MBO00079-00077

5. Install the door glass run.

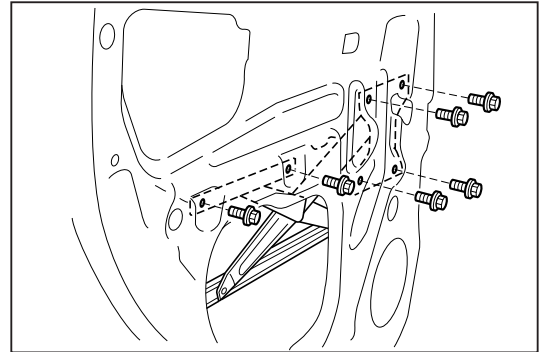
- (1) Install the glass run to the door frame.



MBO00080-00078

6. Install the regulator assembly.

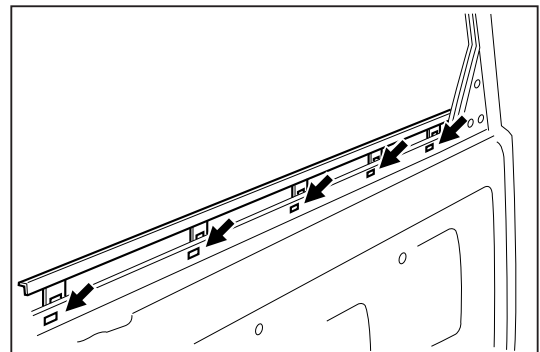
- (1) Connect the connector of the power window motor.
(2) Install the regulator to the door panel with the set bolts (six pcs.).



MBO00081-00079

7. Install the inner weatherstrip.

- (1) Positively insert the clips into the installation holes of the door panel.



MBO00082-00080

8. Install the door glass.

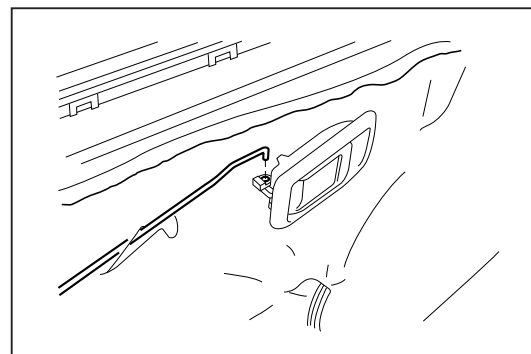
- (1) Turn the regulator by means of the regulator handle or the power window switch, until the position of the glass set bolt is aligned with the service hole.
(2) Install the glass to the regulator with the set bolts (two pcs.).

NOTE:

- Make sure that the glass moves smoothly by moving it up and down several times.
- Make sure that the regulator or the glass will not interfere with the wiring harnesses and connectors.

MBO00083-00000

9. Install the inside handle.
 - (1) Install the open control link to the inside handle.

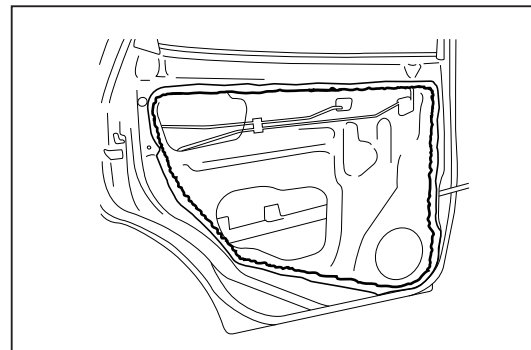


MBO00084-00081

10. Install the service hole cover.
 - (1) Affix a butyl tape along the groove of the door panel.
 - (2) Lightly press the entire periphery of the service hole cover so that it may stick to the butyl tape continuously.

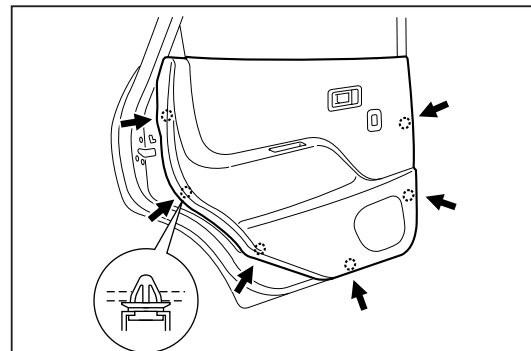
NOTE:

- Never pull the butyl tape when affixing it.
- Never reuse any torn service hole cover.
- Make sure that the butyl tape is affixed slantly so that water may flow into the drain.
- Be very careful not to make wrinkles when affixing the tape.



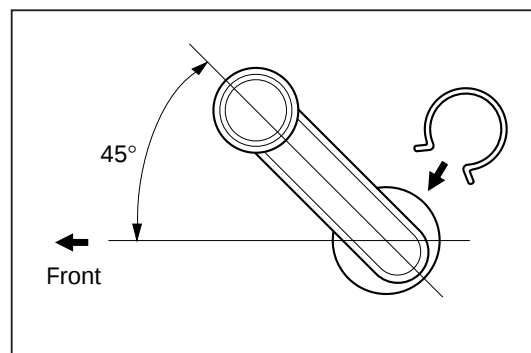
MBO00085-00082

11. Install the door trim No. 1 bracket.
 - (1) Install the door trim No. 1 bracket to the door panel with the set bolts (two pcs.).
12. Install the door trim.
 - (1) Connect the connector of the power window switch (with power window).
 - (2) Positively insert the retainer of the door trim into the door panel.



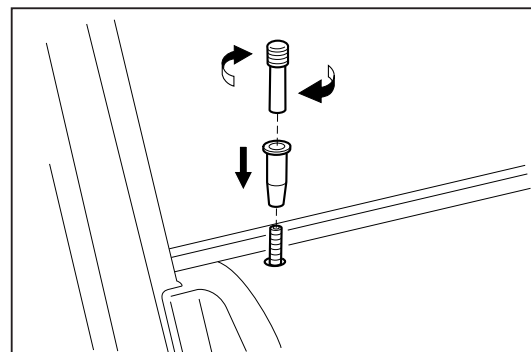
MBO00086-00083

13. Install the regulator handle.
 - (1) Fully close the window glass.
 - (2) Install the handle in the angle specified in the right figure. Insert the snap ring.



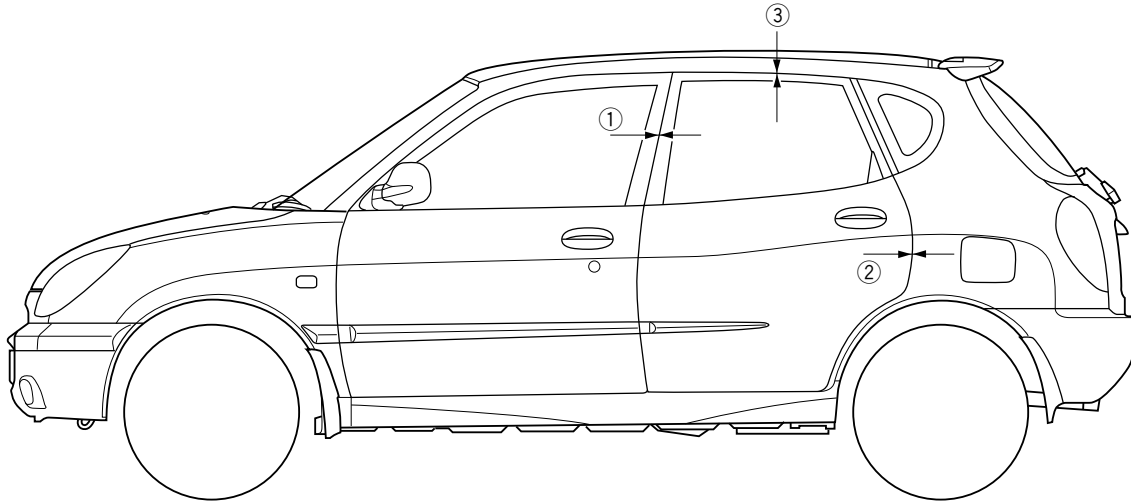
MBO00087-00084

14. Install the door lock button.
 - (1) Insert the retainer into the trim.
 - (2) Install the lock button to the open control link.



MBO00088-00085

REAR DOOR ADJUSTMENT



MBO00089-00086

1. Adjustment of door gap in for-and-aft direction

(1) Loosen the hinge bolt at the body side (pillar side) to perform the adjustment.

① Front door × rear door

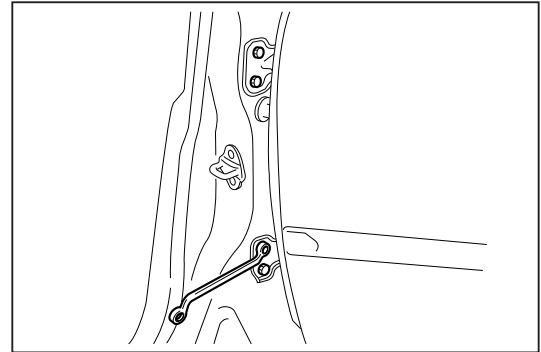
Specified Value of Gap: 4.2 - 7.2 mm

Side outer panel × rear door frame

Specified Value of Gap: 3.0 - 6.0 mm

② Side outer panel × rear door panel

Specified Value of Gap: 3.2 - 4.7 mm



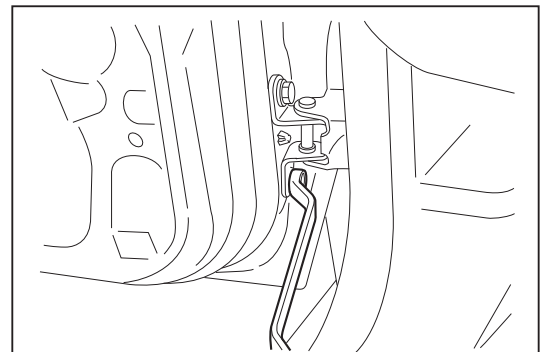
MBO00090-00087

2. Adjustment of door gap in up-and-down direction

(1) Loosen the hinge bolt at the door side to perform the adjustment.

③ Side outer panel and door frame

Specified Value of Gap: 3.0 - 6.0 mm



MBO00091-00088

3. Adjustment of door lock striker

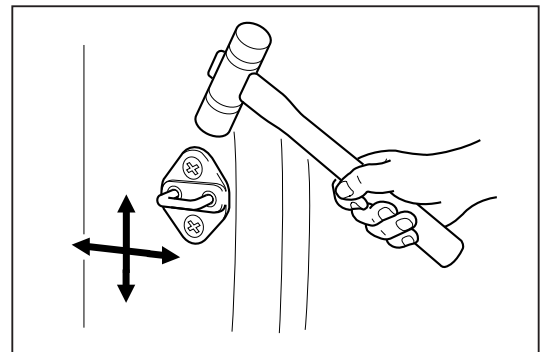
(1) Ensure that the door installation and lock linkage adjustment have been performed properly.

(2) Slightly loosen the striker attaching bolt.

(3) Adjust the position of the striker by tapping it with a plastic hammer.

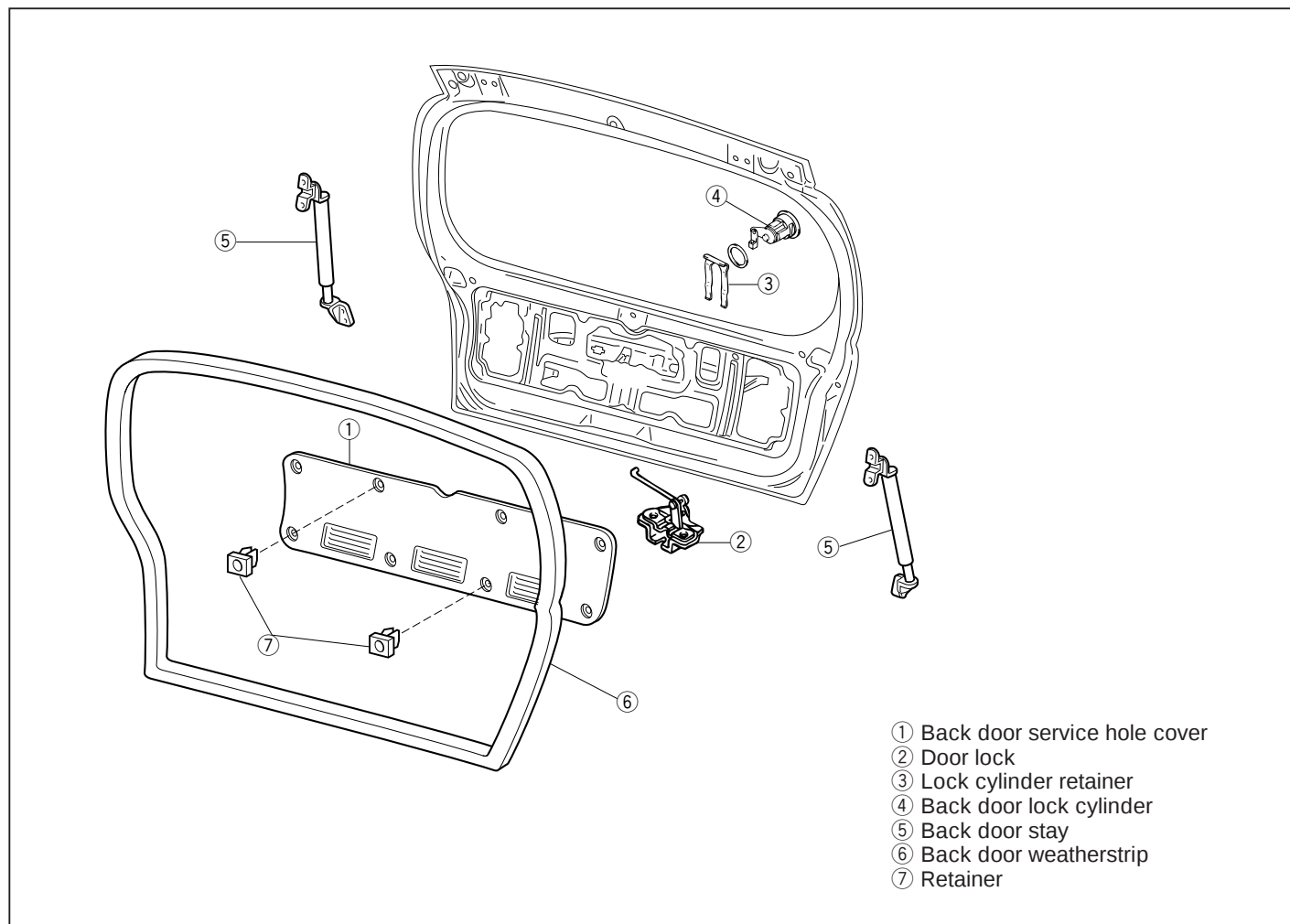
NOTE:

- Be sure to affix a protective tape to the painted surface to avoid scratching.



MBO00092-00089

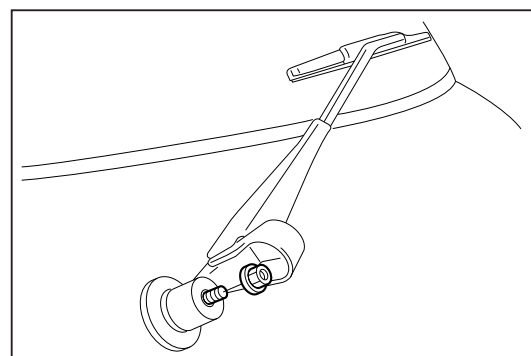
BACK DOOR COMPONENTS



MBO00093-00090

DISASSEMBLY

1. Remove the wiper arm.
 - (1) Remove the wiper arm with blade by removing the set nut.

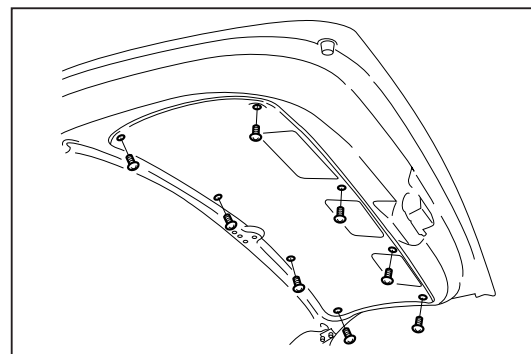


MBO00094-00091

2. Remove the door inner panel.
 - (1) Remove the inner panel by removing the set screws (eight pcs.).

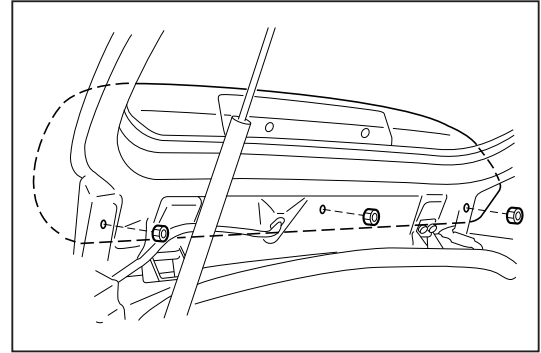
NOTE:

- The retainers (two pcs.) should be removed in a condition that they are attached to the inner panel.



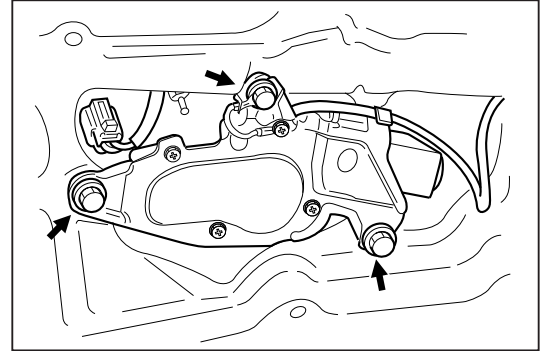
MBO00095-00092

3. Remove the roof end spoiler or the high-mount stop lamp (if so equipped).
 - (1) Remove the hole plug.
 - (2) Remove the high-mount stop lamp by removing the set nuts (three pcs.).
 - (3) Disconnect the stop lamp harness connector.



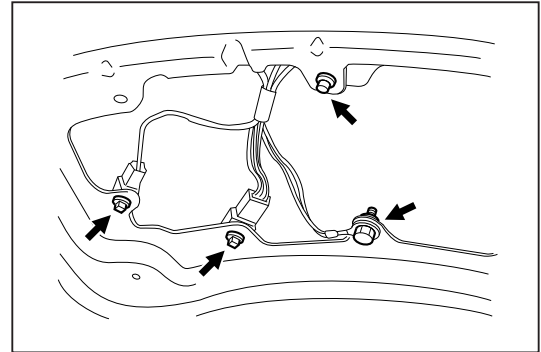
MBO00096-00093

4. Remove the wiper motor.
 - (1) Remove the set bolts (three pcs.)
 - (2) Disconnect the connector of the motor.



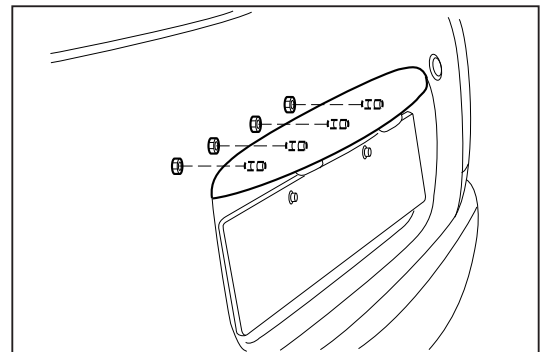
MBO00097-00094

5. Remove the wiring harness.
 - (1) Remove the wiring harness from the door panel by removing the grommet and ground cable.



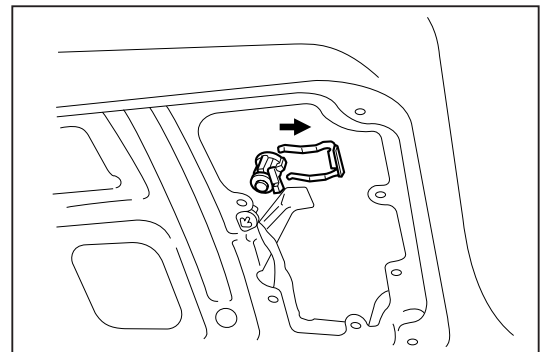
MBO00098-00095

6. Remove the back door handle.
 - (1) Remove the set nuts (four pcs.).
 - (2) Disconnect the connector of the license plate lamp.



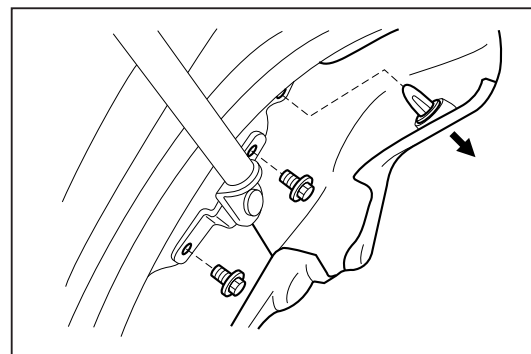
MBO00099-00096

7. Remove the lock cylinder.
 - (1) Remove the door open control link from the lock cylinder.
 - (2) Remove the lock cylinder from the door panel by removing the retainer.



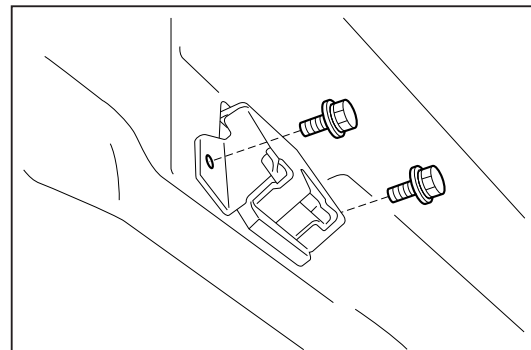
MBO00100-00097

8. Remove the back door stay.
 - (1) Detach the clips (two points) of the quarter trim.
 - (2) Remove the door stay by removing the set bolts (two pcs.) at the body side.



MBO00101-00098

9. Remove the door lock.
 - (1) Remove the door lock from the panel by removing the door open control link.
 - (2) Remove the set bolts (two pcs.).

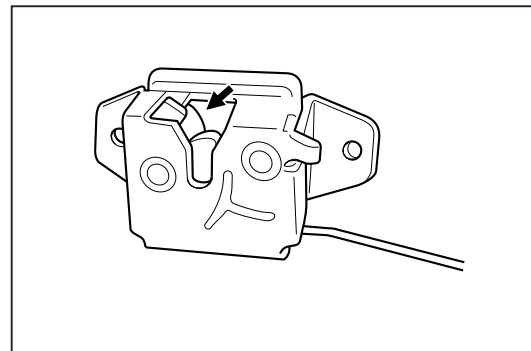


MBO00102-00099

ASSEMBLY

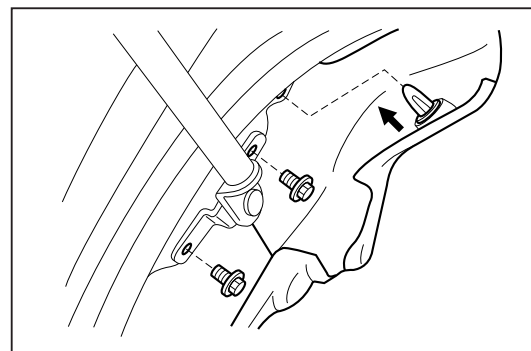
Reverse the disassembling procedure to carry out the assembling.

1. Apply MP grease to the movable section of the door lock.



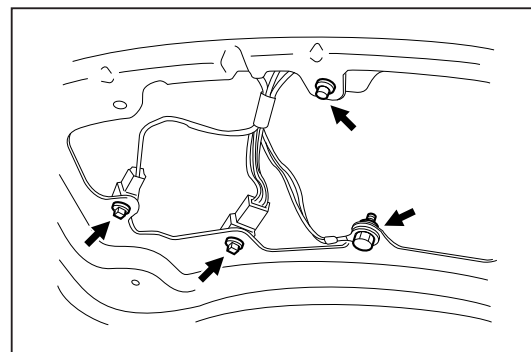
MBO00103-00100

2. Install the back door stays (right and left).
 - (1) After installing the stay, positively clip the quarter trim to the panel.



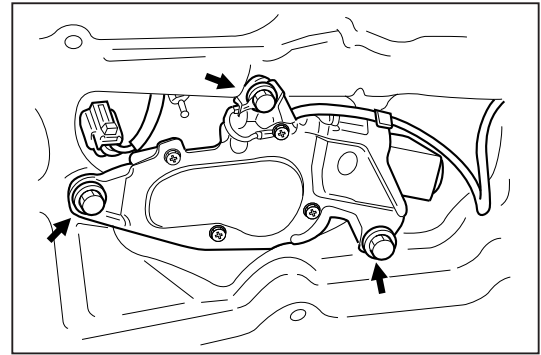
MBO00104-00101

3. Install the wiring harness.
 - (1) Positively install the grommet and ground cable of the wiring harness.



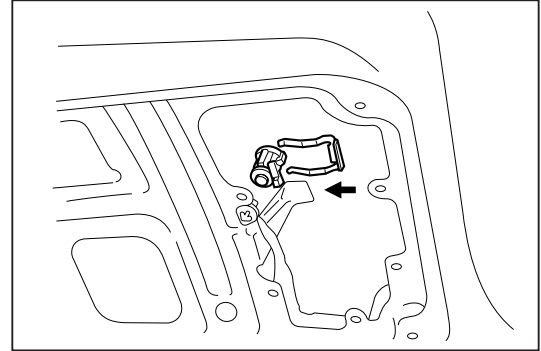
MBO00105-00102

4. Install the wiper motor.
 - (1) Positively connect the connector of the motor.



MBO00106-00103

5. Install the lock cylinder.
 - (1) Positively insert the retainer into the groove section of the lock cylinder.



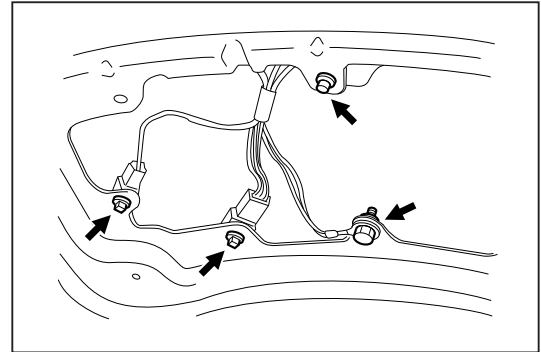
MBO00107-00104

6. Connect the harnesses of the license plate lamp, high-mount stop lamp and wiper motor.

- (1) Securely connect the clamps and connectors.

CAUTION:

- Be very careful not to let any foreign substance get to the rod of the door stay to be reused. Also, be very careful not to score the rod.
- When disposing of the door stay, be sure to completely discharge the sealed gas by making a hole at the bottom of the cylinder.



MBO00108-00105

BACK DOOR ADJUSTMENT

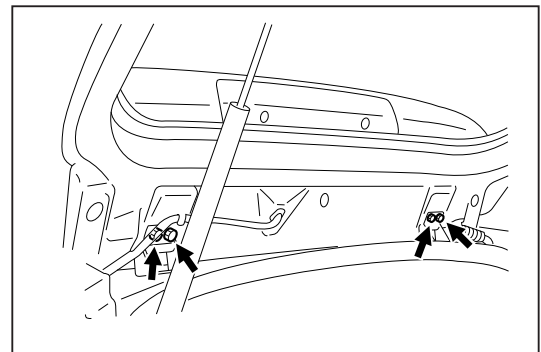
1. Adjustment of gaps with roof panel and side outer panel
 - (1) Adjust the installation position by slightly loosening the hinge set bolts (two pcs. at right and left sides).

Roof panel × back door panel

Specified Value of Gap: 6.1 - 9.1 mm

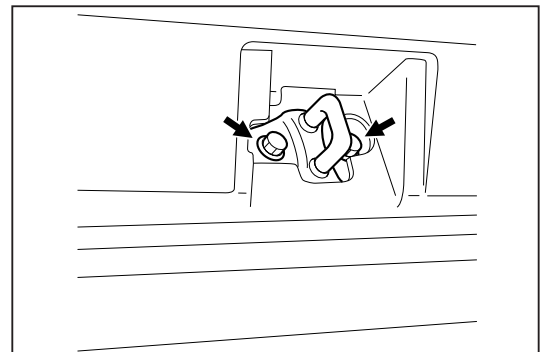
Side outer panel × back door

Specified Value of Gap: 4.0 - 7.0 mm



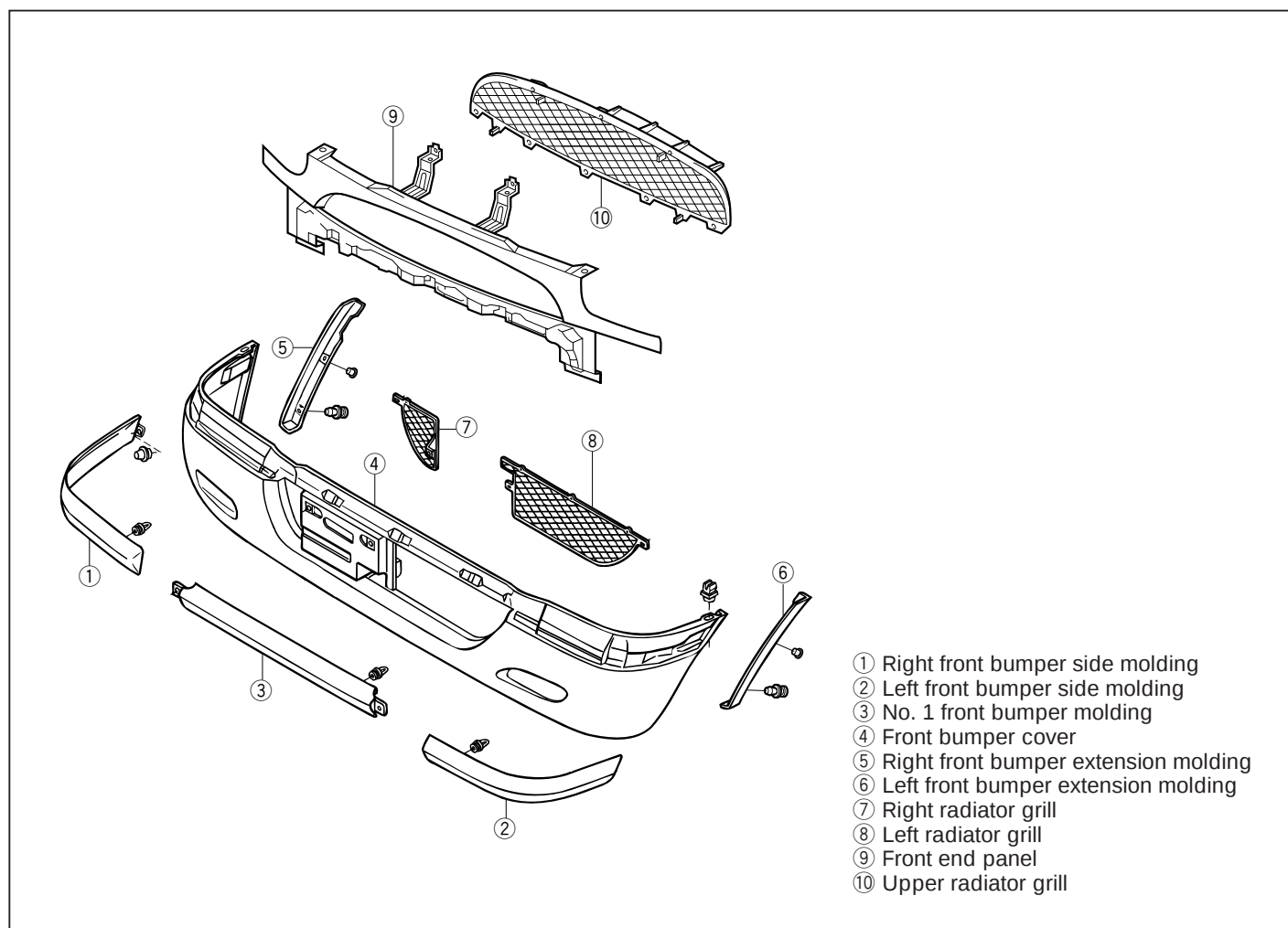
MBO00109-00106

2. Adjustment of lock striker
 - (1) Adjust the lock striker by loosening bolts.



MBO00110-00107

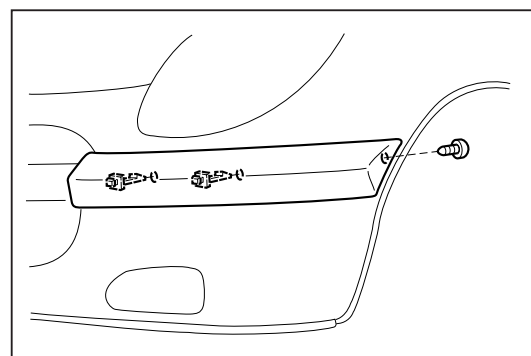
FRONT BUMPER & RADIATOR GRILL COMPONENTS



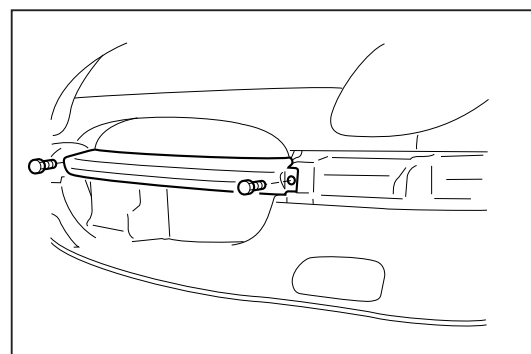
MBO00111-00108

REMOVAL

1. Remove the bumper side moldings (right and left).
 - (1) Remove the set bolt.
 - (2) Detach the clips from the bumper panel by pulling the molding toward your side.
2. Remove the bumper center molding.
 - (1) Remove the center molding from the panel by removing the set bolts (two pcs.).

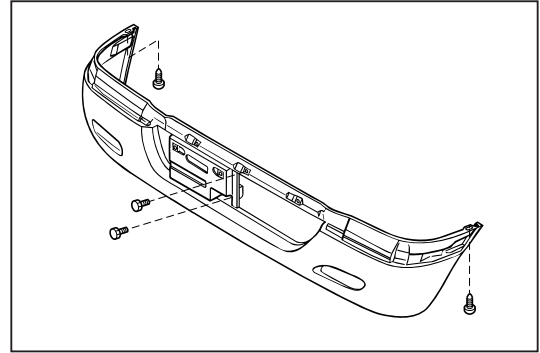


MBO00112-00109



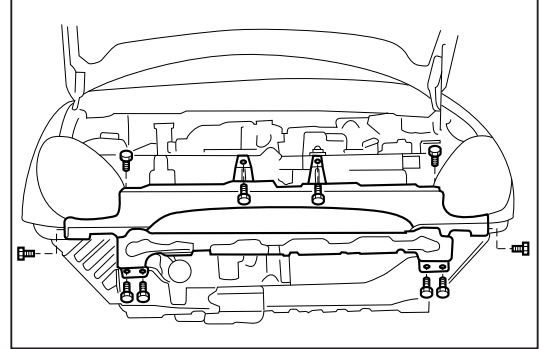
MBO00113-00110

3. Remove the front bumper cover.
 - (1) Remove the bumper cover by removing the set bolts.



MBO00114-00111

4. Remove the front panel end with radiator grill.
 - (1) Remove the front panel end together with the radiator grill by removing the bolts and clips.



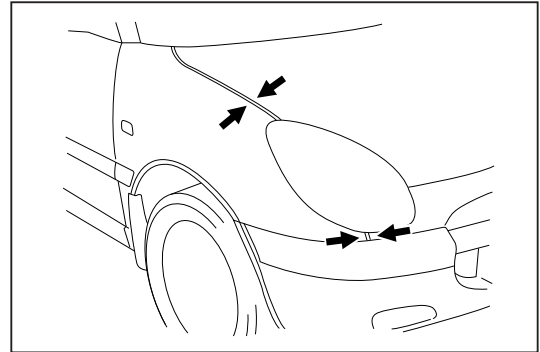
MBO00115-00112

INSTALLATION

Reverse the removal procedure to carry out the installation.

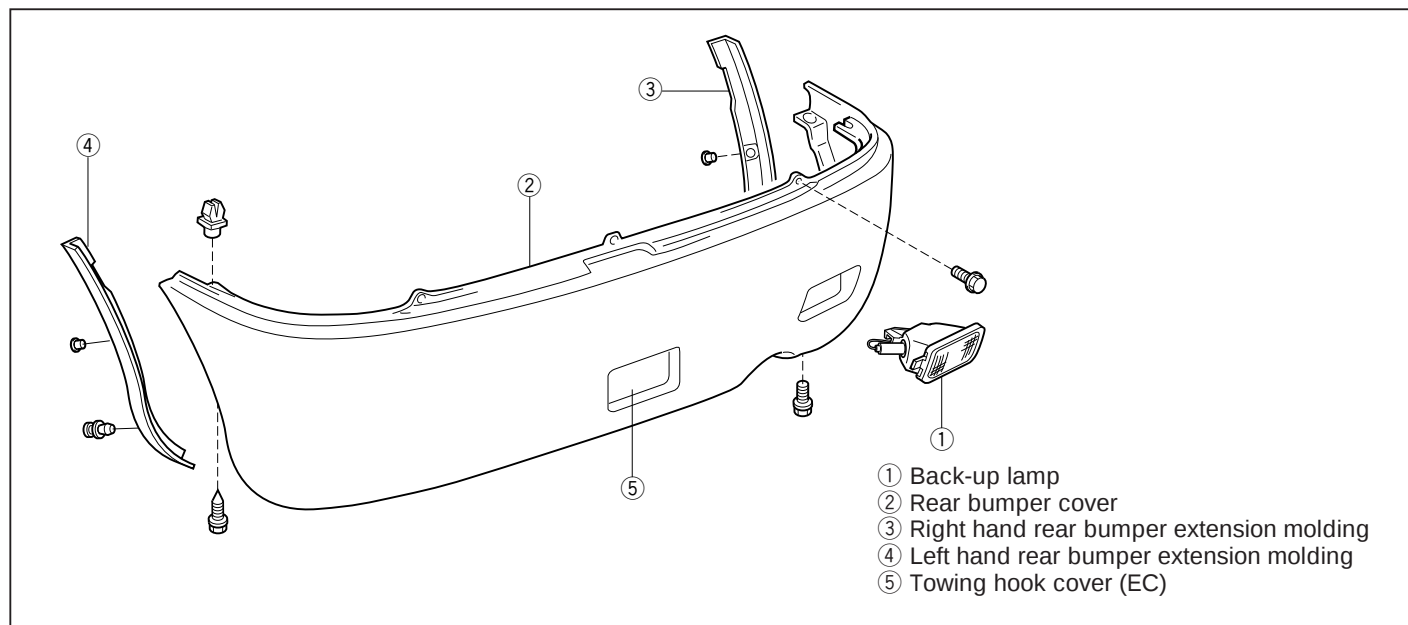
NOTE:

- The painted bolts should be used at the same place.
- When installing the bumper, the adjustment should be performed in such a way that no difference in height may be present between the bumper and the fender as well as between the front panel end and the fender.



MBO00116-00113

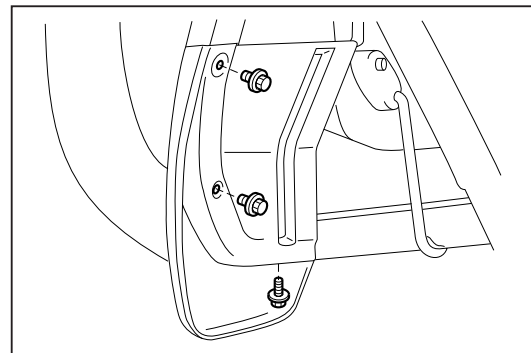
REAR BUMPER COMPONENTS



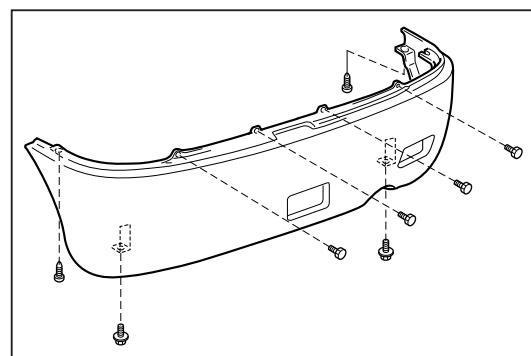
MBO00117-00114

REMOVAL

1. Remove the rear mud guard.
 - (1) Remove the mud guard from the rear bumper cover by removing the set bolts.
2. Remove the bumper cover.
 - (1) Disconnect the backup lamp connector.
 - (2) Remove the bumper cover from the body back panel by removing the set bolts (seven pcs.) and screws (two pcs.).



MBO00118-00115



MBO00119-00116

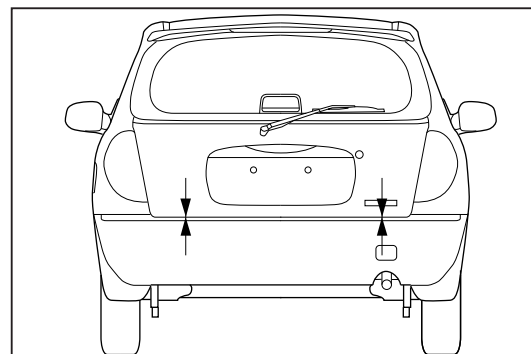
INSTALLATION

Reverse the removal procedure to carry out the installation.

NOTE:

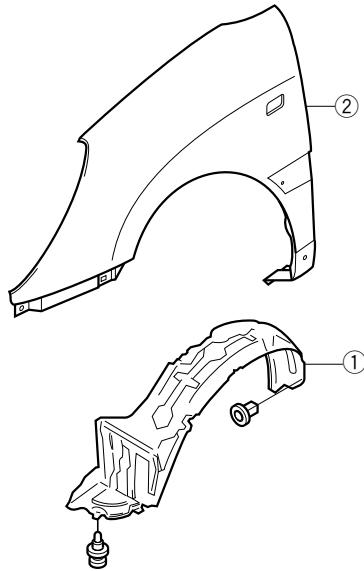
- The painted bolts should be used at the same place.
- Make sure that the gap at the joint surface of the back door outer becomes even during the installation.

Specified Value of Gap: 4 mm



MBO00120-00117

FRONT FENDER COMPONENTS

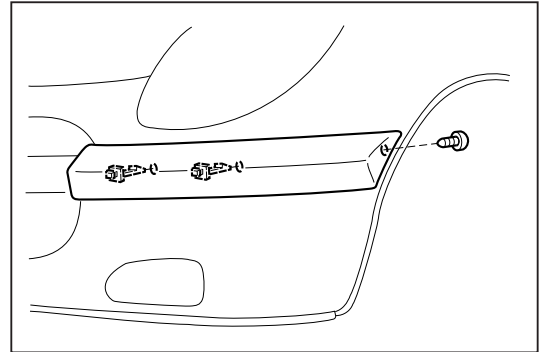


- ① Front fender liner
- ② Front fender

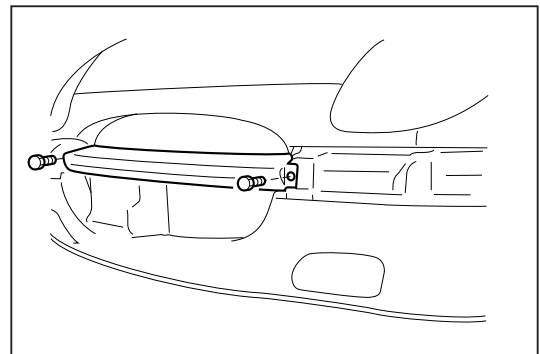
MBO00121-00118

REMOVAL

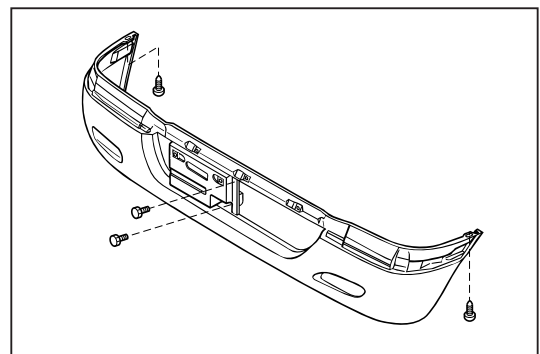
1. Remove the bumper side molding.
 - (1) Remove the set bolt.
 - (2) Detach the clips from the bumper cover by pulling the molding toward your side.
2. Remove the bumper center molding.
 - (1) Remove the center molding from the panel by removing the set bolts (two pcs.).
3. Remove the front bumper cover.
 - (1) Remove the bumper cover by removing the set bolts.



MBO00122-00119

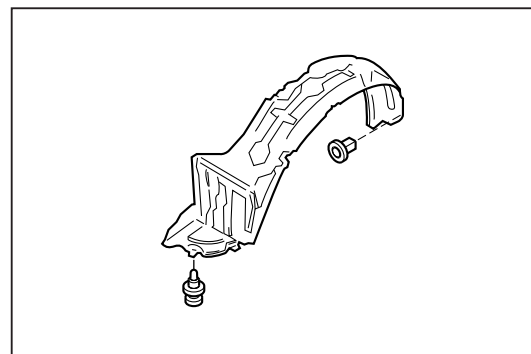


MBO00123-00120



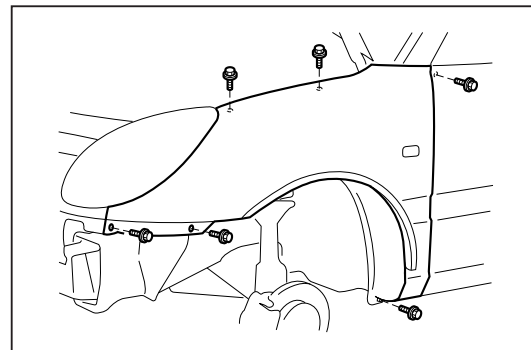
MBO00124-00121

4. Remove the fender liner.
 - (1) Remove the fender liner from the fender by detaching the clips (seven pcs.).



MBO00125-00122

5. Remove the fender.
 - (1) Remove the fender from the fender apron by removing the set bolts (six pcs.).



MBO00126-00123

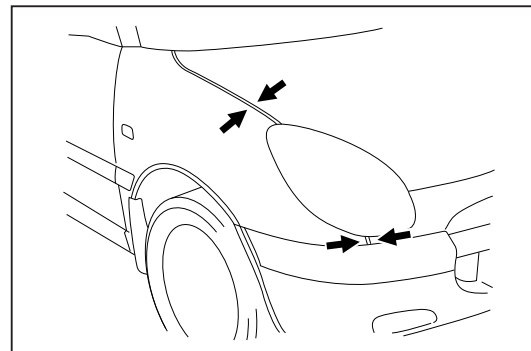
INSTALLATION

Reverse the removal procedure to carry out the installation.

NOTE:

- The painted bolts should be used at the same place.
- Make sure that the turn signal lamp is positively connected.
- Perform the adjustment so that the gap between the engine hood and the fender becomes uniform between the right and left sides.

Specified Value: 4.5 mm

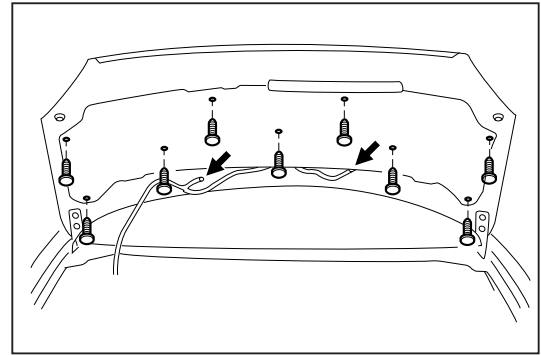


MBO00127-00124

HOOD & HOOD LOCK

REMOVAL

1. Remove the hood silencer.
 - (1) Remove the washer hose and nozzle.
 - (2) Remove the hood silencer by detaching the clips (nine pcs.).

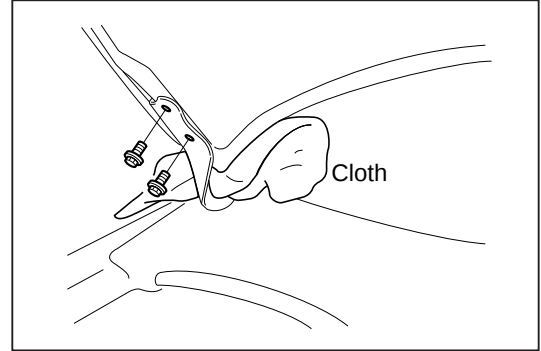


MBO00128-00125

2. Remove the engine hood.
 - (1) Remove the engine hood by removing the set bolts (four pcs.).

NOTE:

- Be sure to place a piece of cloth at the hood hinge to prevent the primary paint surface from being scored.



MBO00129-00126

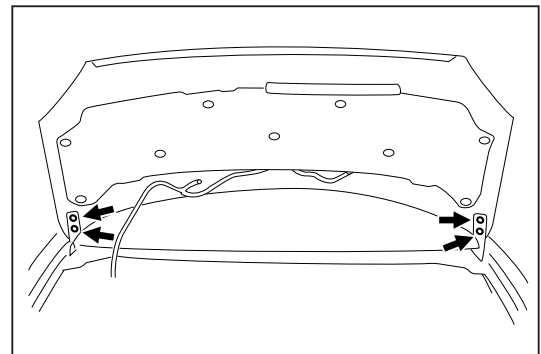
INSTALLATION

Reverse the removal procedure to carry out the installation.

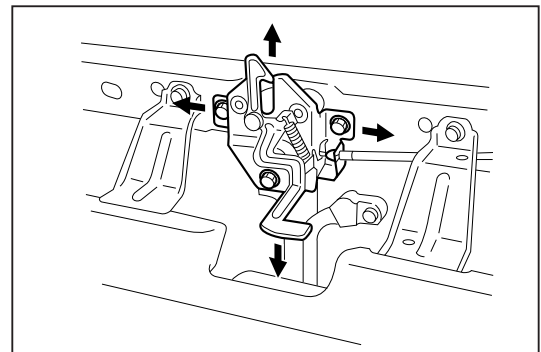
MBO00130-00000

ENGINE HOOD ADJUSTMENT

1. Adjustment of gap of engine hood in a right-and-left direction as well as a fore-and-aft direction
 - (1) Perform the adjustment by loosening the hinge bolt so that the gaps in right-and-left and fore-and-aft directions may become uniform.
2. Adjustment of hood lock
 - (1) Adjust the hood lock position so that the hood can be opened and closed smoothly.

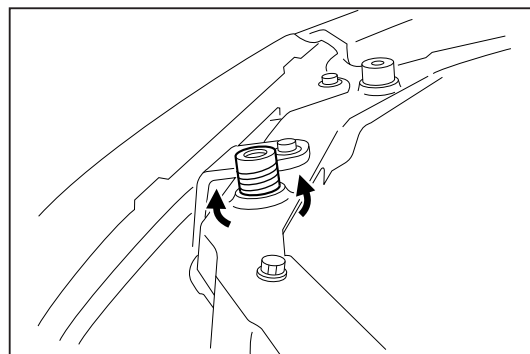


MBO00131-00127



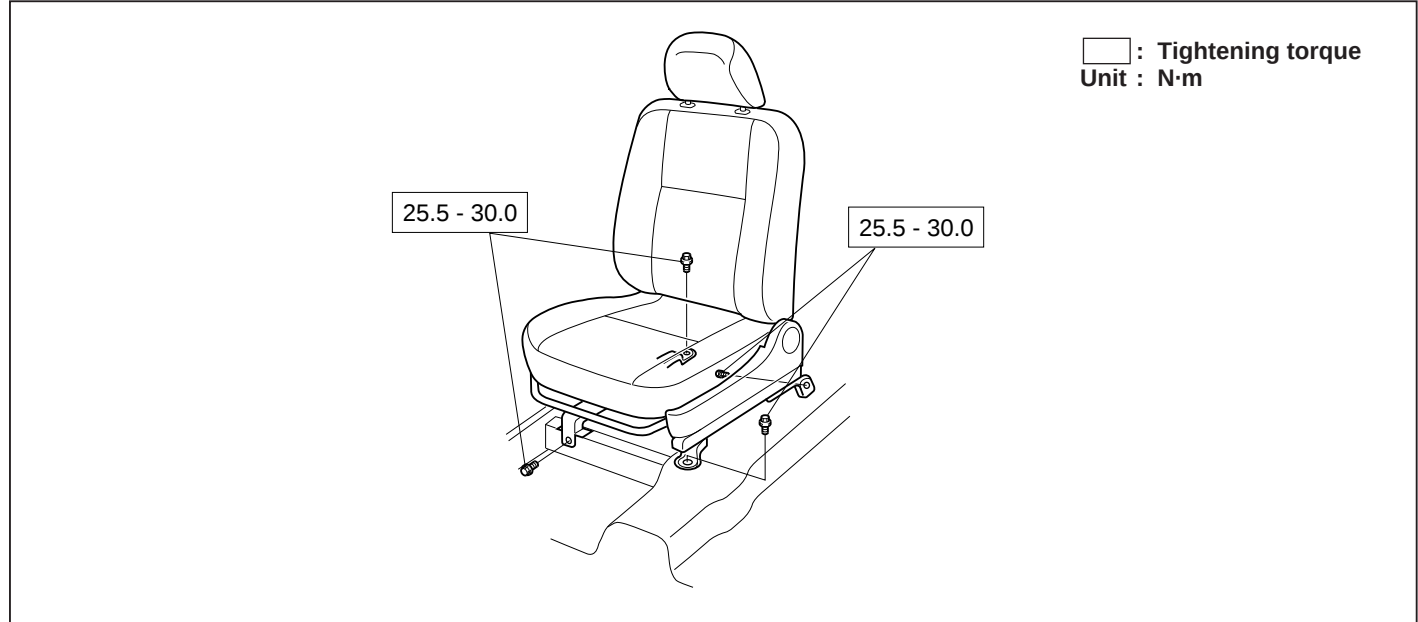
MBO00132-00128

3. Adjustment of height of front corner of hood
 - (1) Adjust the height of the hood by turning the cushion.



MBO00133-00129

FRONT SEAT COMPONENTS



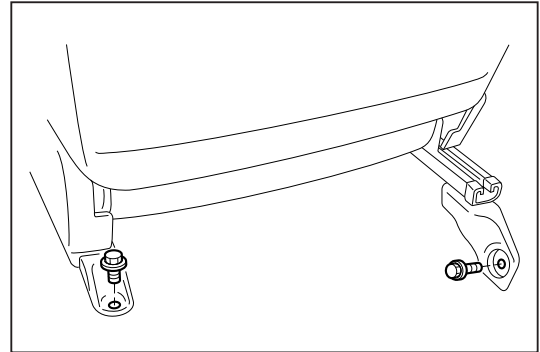
MBO00134-00130

REMOVAL

1. Disconnect the terminal (–) of the battery and the side airbag connector (only vehicles equipped with side airbag).
2. Disconnect the seat belt warning lamp connector (if it is equipped).

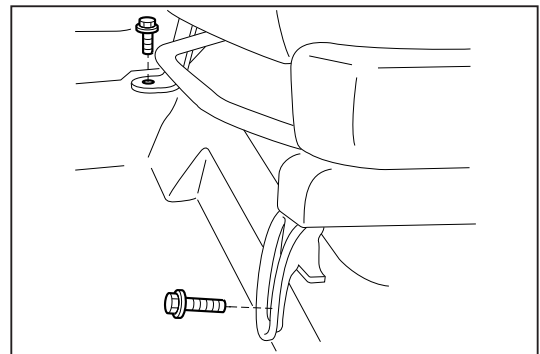
CAUTION:

- The operation should be started three minutes after the battery terminal has been disconnected.



MBO00135-00131

3. Remove the seat assembly.
 - (1) Move the seat to the foremost position and remove the set bolts (two pcs.).
 - (2) Move the seat to the rearmost position and remove the set bolts (two pcs.).



MBO00136-00132

INSTALLATION

Reverse the removal procedure to carry out the installation.

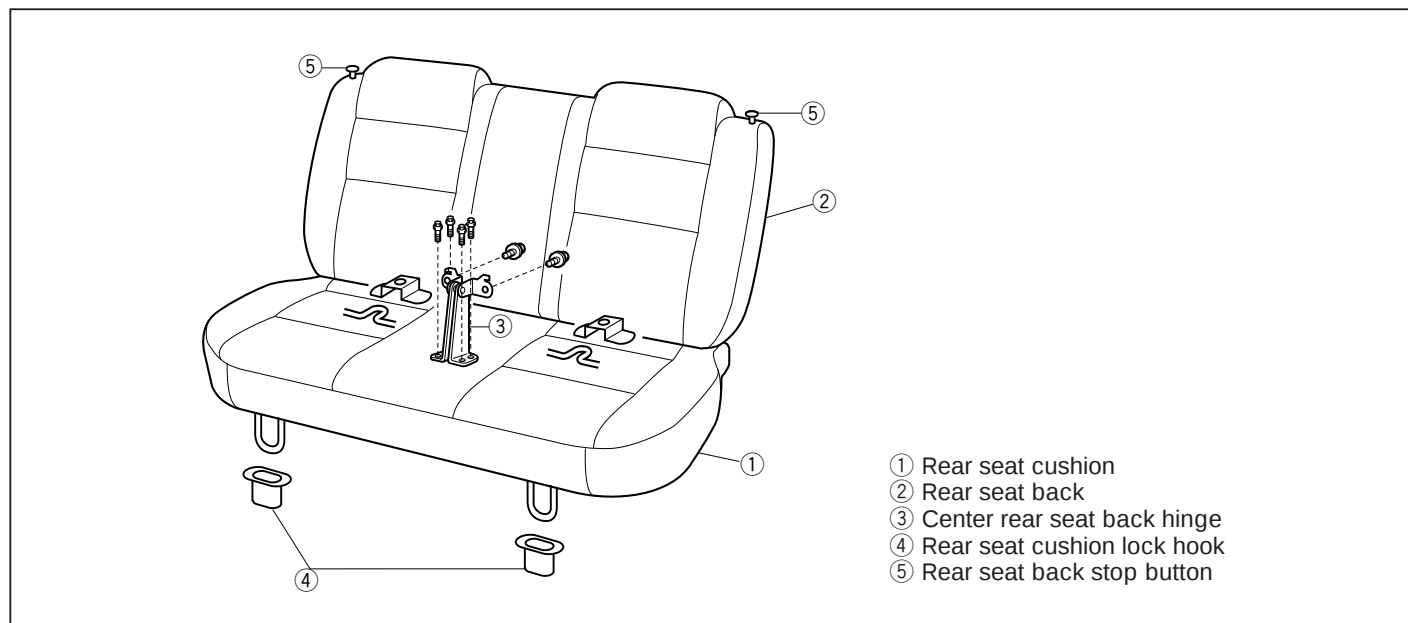
1. Tighten the seat set bolts.
Tightening Torque: 25.5 - 30.0 N·m

NOTE:

- Make sure that the seat slides smoothly and that the seat adjuster is positively locked.

MBO00137-00000

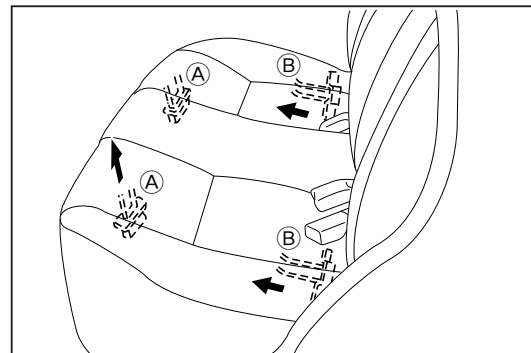
REAR SEAT COMPONENTS



MBO00138-00133

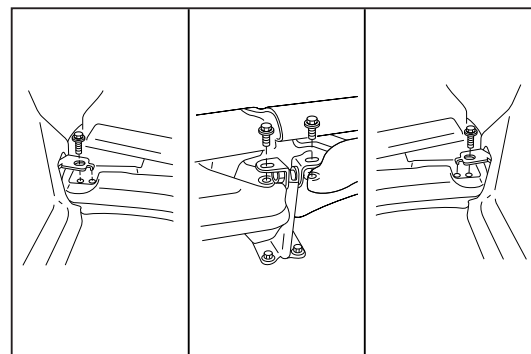
REMOVAL

1. Remove the rear seat cushion.
 - (1) Pull the front part of the seat cushion upward and release the buckle at the section (A).
 - (2) Pull the seat cushion forward and release the clamp at the section (B).



MBO00139-00134

2. Remove the rear seat back.
 - (1) Remove the set bolts (four pcs.) from the bracket.
 - (2) Remove the cushions (right and left) from the rear floor.
 - (3) Remove the rear seat back hinge.

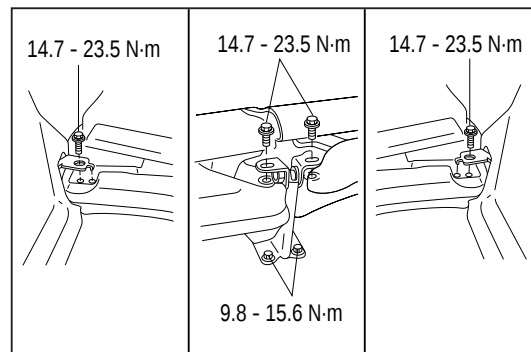


MBO00140-00135

INSTALLATION

Reverse the removal procedure to carry out the installation.

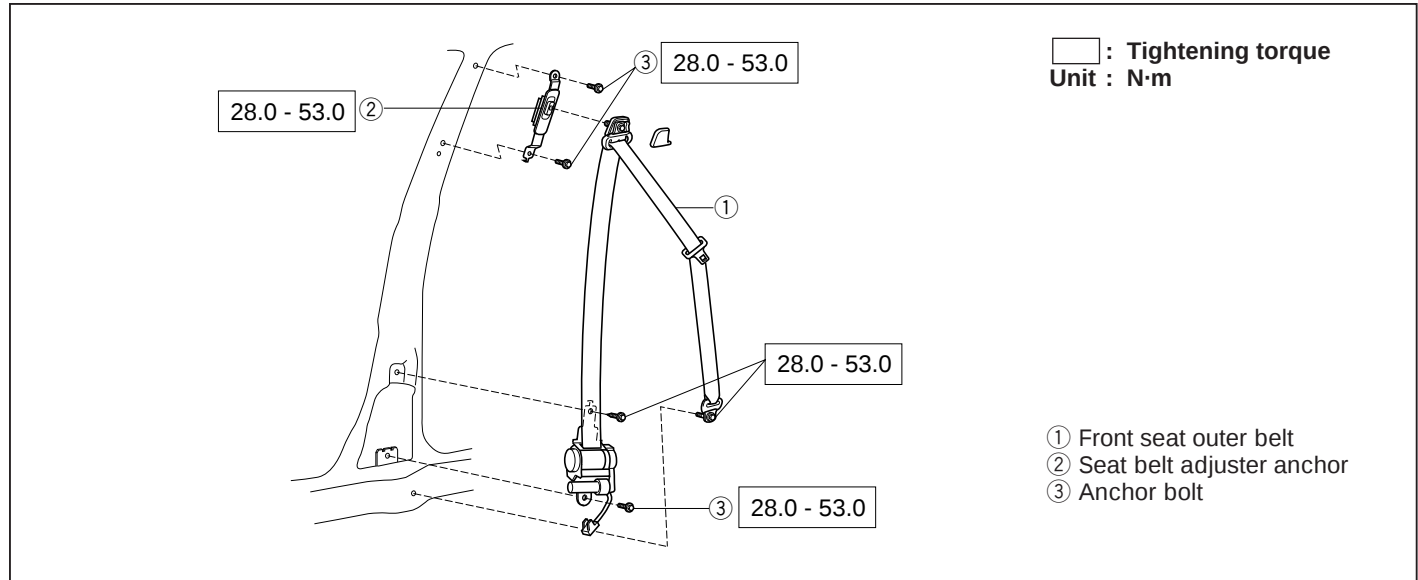
1. Install the rear seat back hinge with four bolts.
Tightening Torque: 9.8 - 15.6 N·m
2. Tighten the seat set bolts (four pcs.).
Tightening Torque: 14.7 - 23.5 N·m



MBO00141-00136

SEAT BELT

FRONT SEAT BELT COMPONENTS



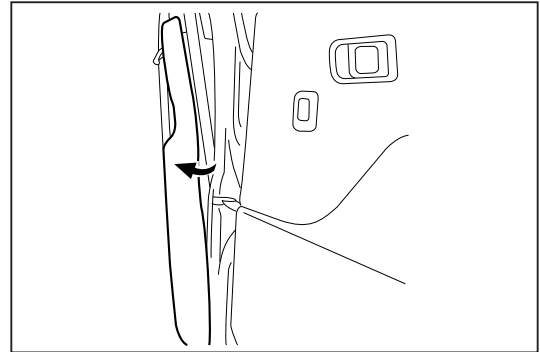
MBO00142-00137

REMOVAL

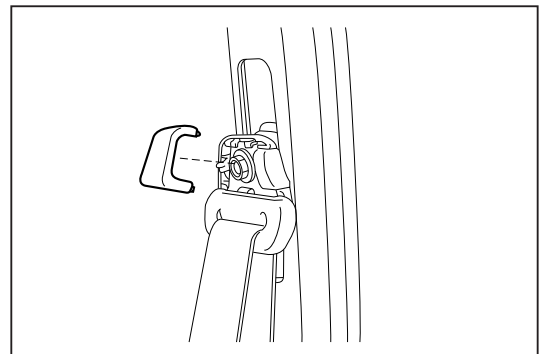
NOTE:

- With the ignition switch set to the OFF or LOCK position, disconnect the terminal (–) of the battery. After a lapse of three minutes, disconnect the pretensioner terminal (pretensioner-equipped vehicles).

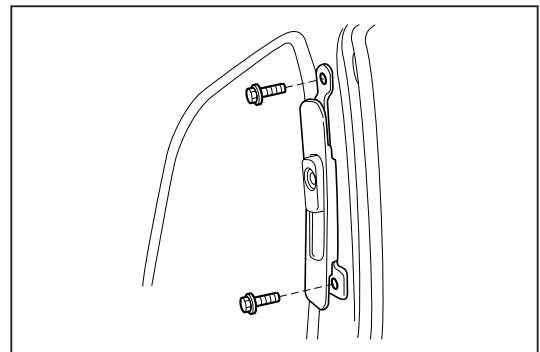
- Remove the center pillar garnish.
(1) Remove the garnish from the center pillar.
- Remove the anchor bolt.
(1) Remove the cap of the adjuster knob and remove the anchor bolt.
- Remove the seat belt adjuster anchor.
(1) Remove the adjuster from the center pillar by removing the set bolts (two pcs.).
(2) Remove the seat belt anchorage attaching bolts.



MBO00143-00138

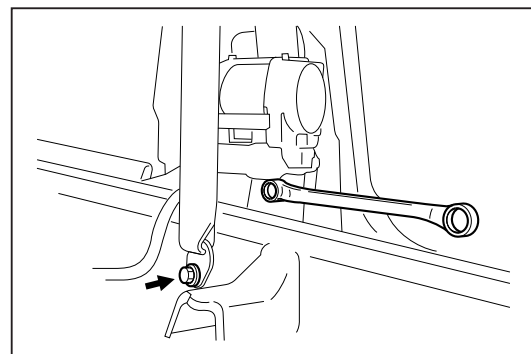


MBO00144-00139



MBO00145-00140

4. Remove the seat belt retractor.
 - (1) Disconnect the terminal of the pretensioner.
 - (2) Remove the seat belt assembly from the center pillar by removing the set bolts (two pcs.).



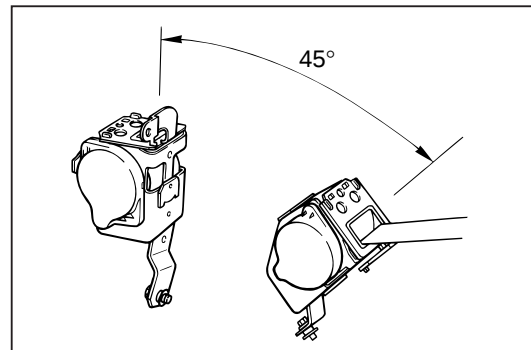
MBO00146-00141

CHECK OF RETRACTOR

1. With the retractor in an installed state, move the retractor gently. At this time, ensure that the retractor will not lock when the angle is within 15° in relation to the entire installation angle. Furthermore, ensure that the retractor is held in a locked state when the angle is more than 45° .
2. Pull the belt quickly. At this time, ensure that the belt locks. (Webbing type)
3. Check that the belt exhibits no scratch, wear and other damage. If any damage is found, replace the belt with a new one.
4. With the belt in an installed state, ensure that the belt can be pulled out smoothly and retracted smoothly.

CAUTION:

- Never disassemble the retractor.



MBO00147-00142

INSTALLATION

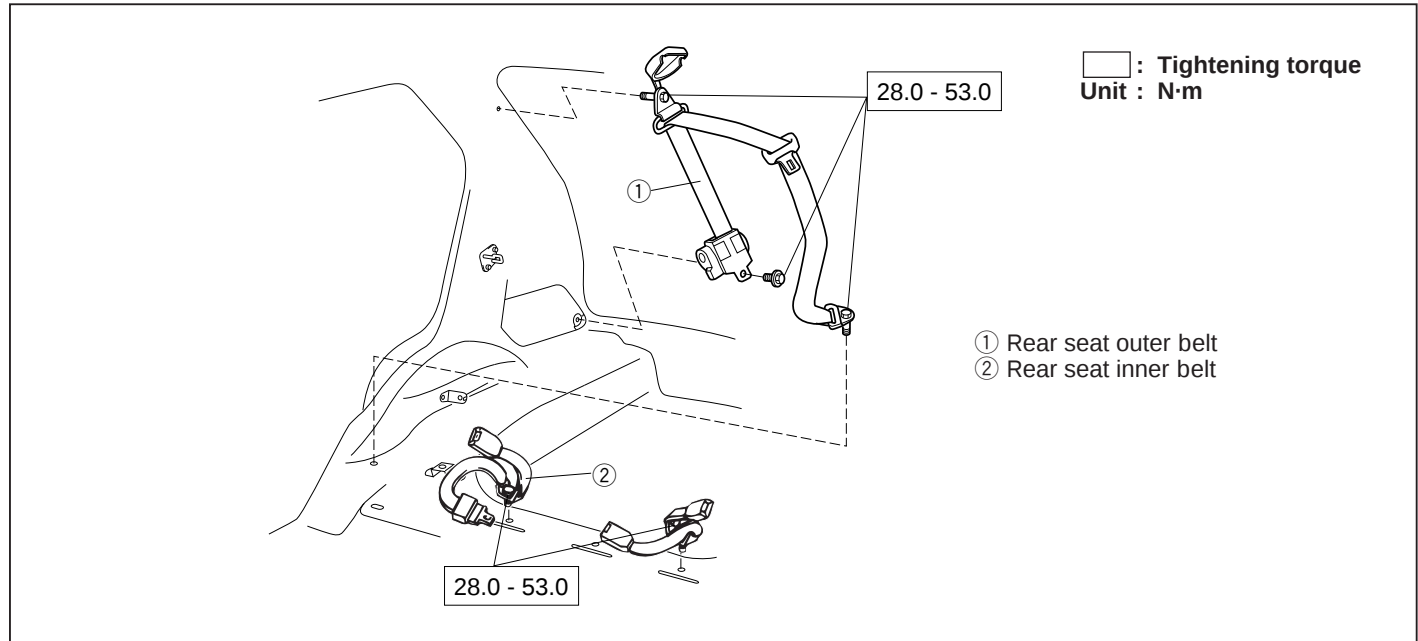
Reverse the removal procedure to carry out the installation.

1. Tighten the anchor bolt and retractor set bolt.

Tightening Torque: 28.0 - 53.0 N·m

MBO00148-00000

REAR SEAT BELT COMPONENTS

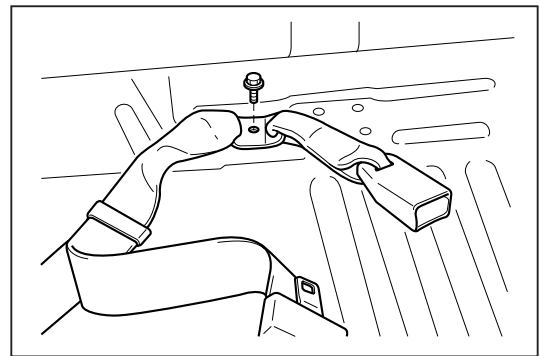


MBO00149-00143

1. Remove the rear seat cushion and seat back.
(Refer to the section under Rear Seat.)

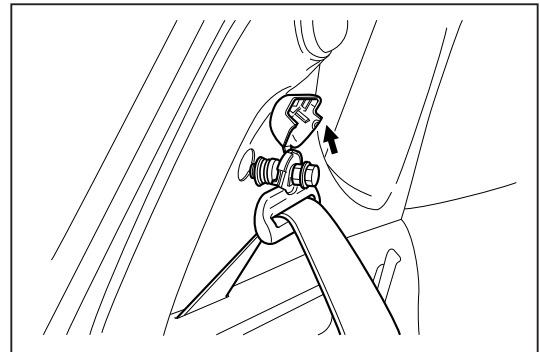
MBO00150-00000

2. Remove the anchor bolt (at the floor panel side).
(1) Remove the anchor bolt from the floor panel.



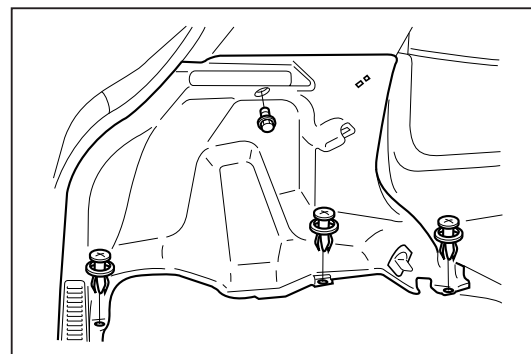
MBO00151-00144

3. Remove the upper anchor bolt.
(1) Remove the anchor bolt cover and remove the anchor bolt.



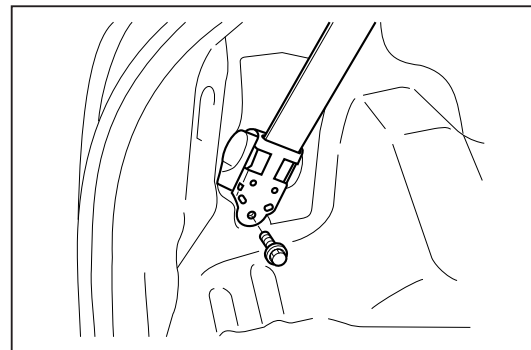
MBO00152-00145

4. Remove the deck side trim.
(Refer to the section under Trim & Garnish.)



MBO00153-00146

5. Remove the seat belt retractor.
 - (1) Remove the retractor from the quarter panel by removing the set bolt.



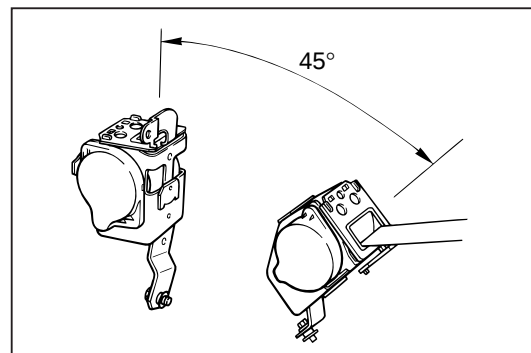
MBO00154-00147

CHECK OF RETRACTOR

1. With the retractor in an installed state, move the retractor gently. At this time, ensure that the retractor will not lock when the angle is within 15° in relation to the entire installation angle. Furthermore, ensure that the retractor is held in a locked state when the angle is more than 45° .
2. Pull the belt quickly. At this time, ensure that the belt locks. (Webbing type)
3. Check that the belt exhibits no scratch, wear and other damage. If any damage is found, replace the belt with a new one.
4. With the belt in an installed state, ensure that the belt can be pulled out smoothly and retracted smoothly.

CAUTION:

- Never disassemble the retractor.



MBO00155-00148

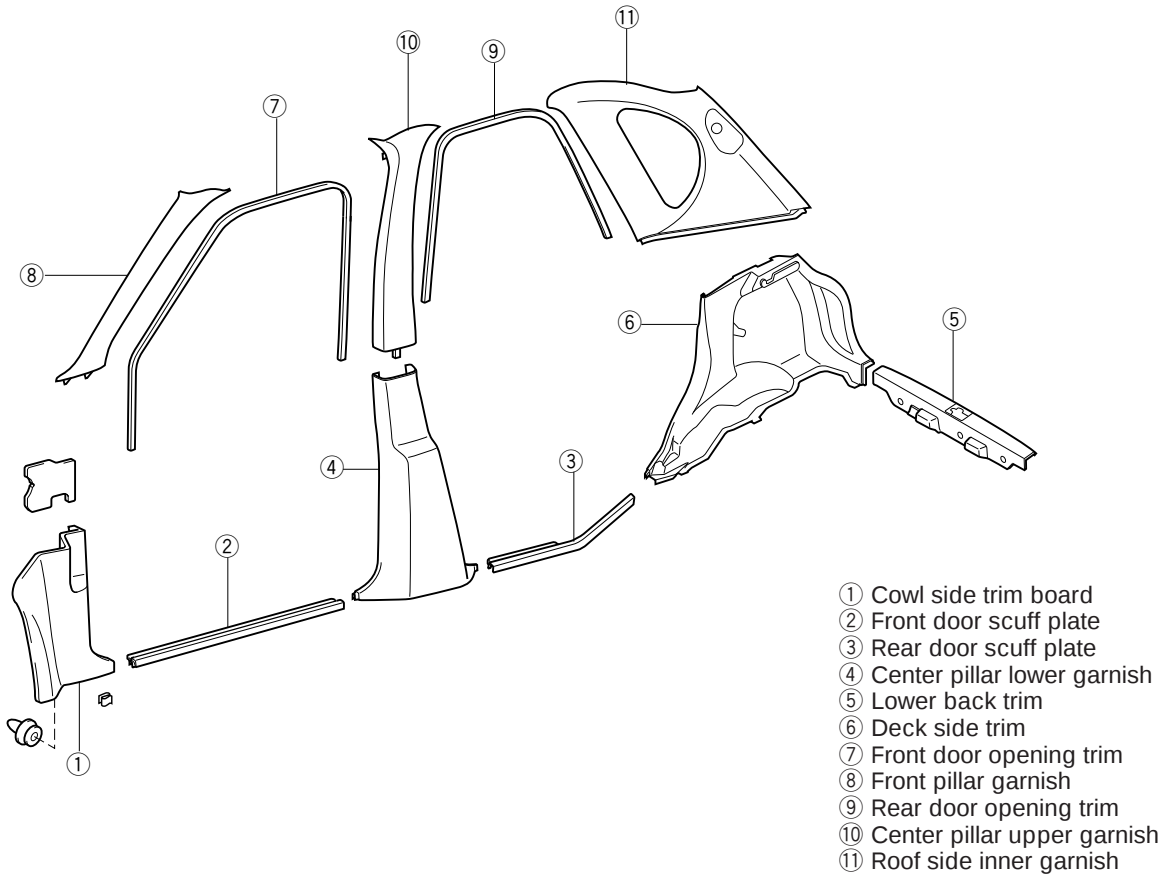
INSTALLATION

Reverse the removal procedure to carry out the installation.

1. Tighten the anchor bolt and retractor set bolt.
Tightening Torque: 28.0 - 53.0 N·m

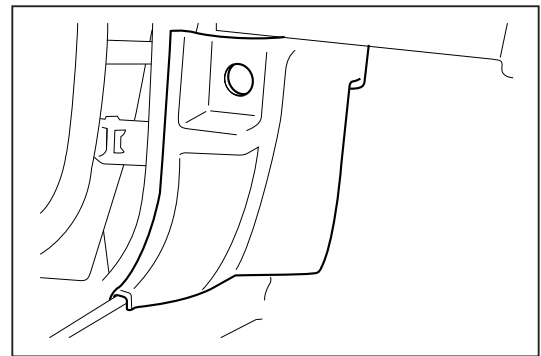
MBO00156-00000

TRIM & GARNISH COMPONENTS



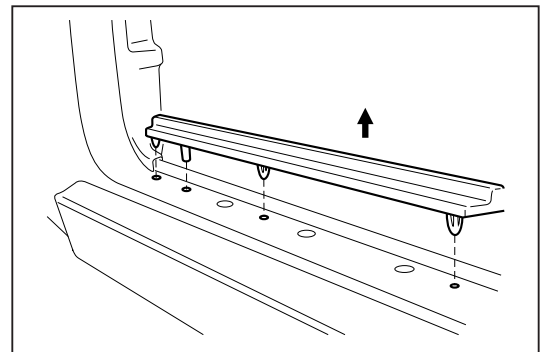
MBO00157-00149

1. Remove the cowl side trim board.
(1) Remove the side trim board by detaching the clip from the cowl panel.



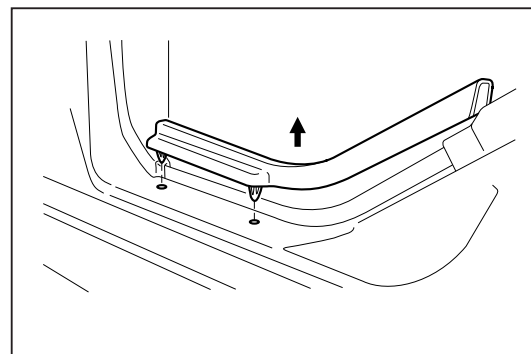
MBO00158-00150

2. Remove the front door scuff plate.
(1) Remove the scuff plate by detaching the clips (three pcs.) from the side panel.



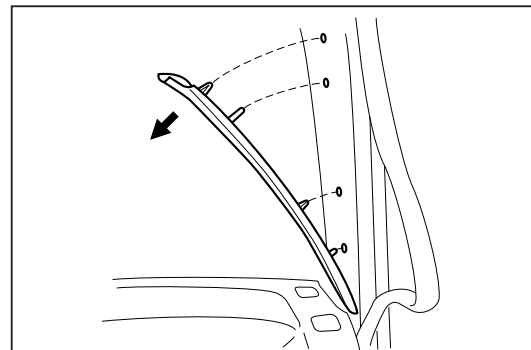
MBO00159-00151

3. Remove the rear door scuff plate.
 - (1) Remove the scuff plate by detaching the clips (two pcs.) from the side panel.



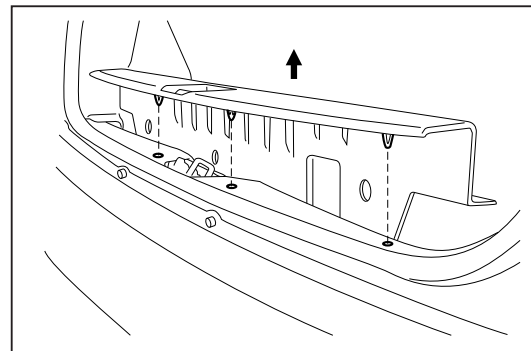
MBO00160-00152

4. Remove the front pillar garnish.
 - (1) Remove the garnish by detaching the clips (two pcs.) from the front pillar.



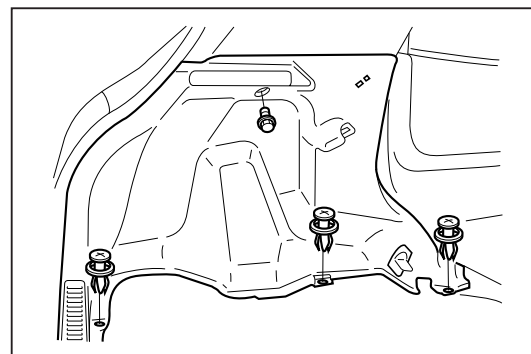
MBO00161-00153

5. Remove the lower back trim.
 - (1) Remove the trim by detaching the clips (three pcs.) from the lower back panel.



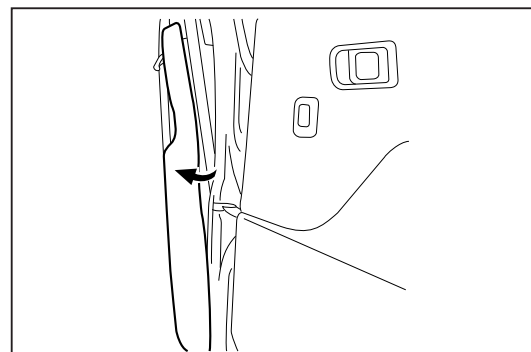
MBO00162-00154

6. Remove the deck side trim.
 - (1) Remove the rear seat back. (Refer to the section under Rear Seat.)
 - (2) Remove the seat belt anchor.
 - (3) Remove the trim from the quarter panel by detaching the clips and screw.



MBO00163-00155

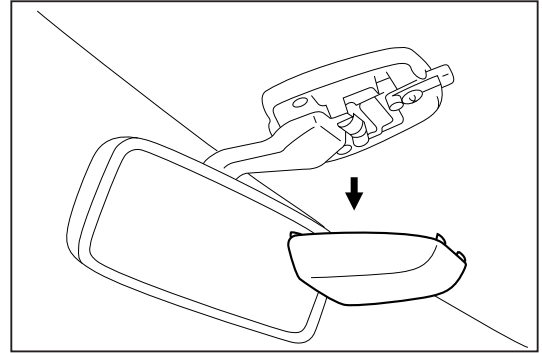
- (4) Remove the center pillar garnish.



MBO00164-00156

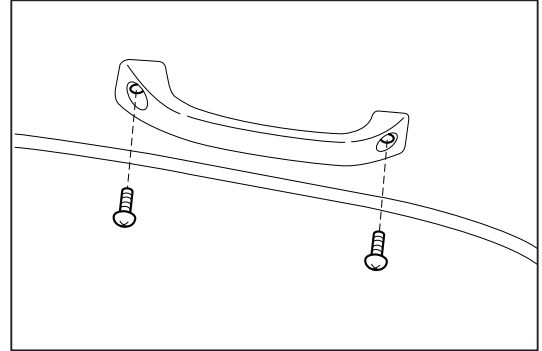
7. Remove the roof head lining.

(1) Remove the sunvisor and inner rear-view mirror.



MBO00165-00157

(2) Remove the assist grip.

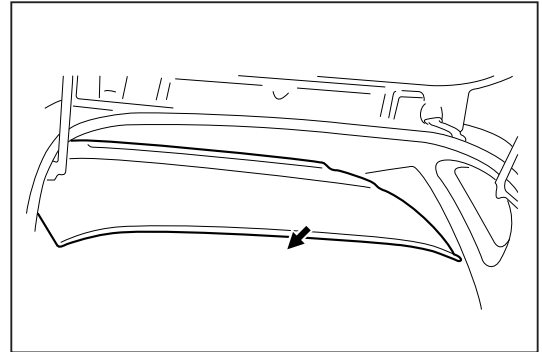


MBO00166-00158

(3) Remove the roof head lining from the roof panel by removing the retainers (ten pcs.).

CAUTION:

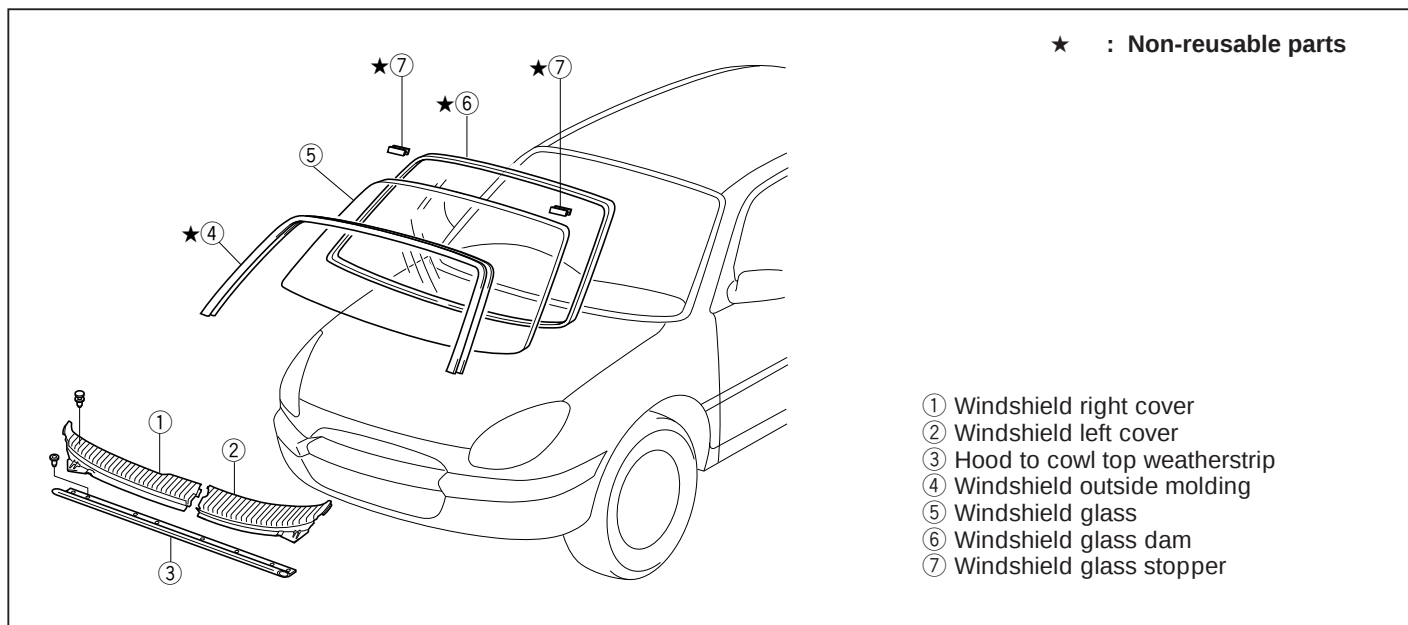
- Be very careful not to bend the head lining excessively during the removal.
- Never reuse any damaged retainer.



MBO00167-00159

WINDOWS

COMPONENTS



MBO00168-00160

REMOVAL

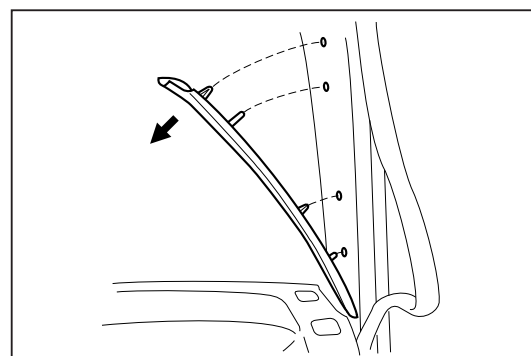
1. Remove the following parts.
 - (1) Inner rear-view mirror and room lamp
 - (2) Sunvisor
 - (3) Assist grip

2. Remove the front pillar garnish.
 - (1) Remove the pillar garnish from the front pillar.

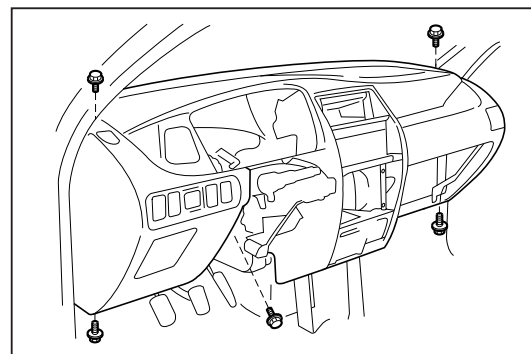
3. Remove the instrument panel.

(Refer to the section under Instrument Panel.)

MBO00169-00000

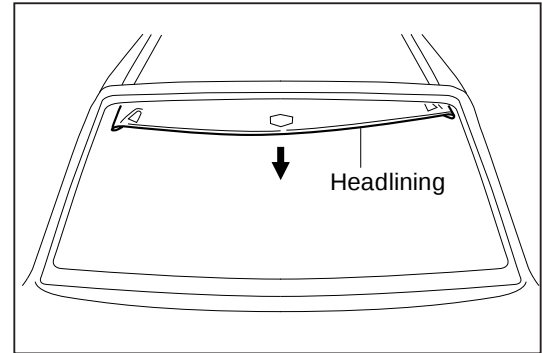


MBO00170-00161



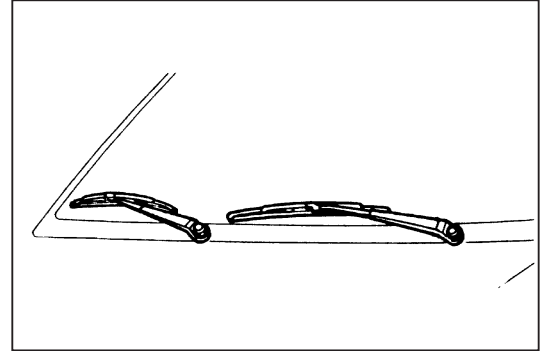
MBO00171-00162

4. Remove the front section of the roof head lining and lower it. (For preventing the lining from being damaged)
(Refer to the section under Trim & Garnish.)



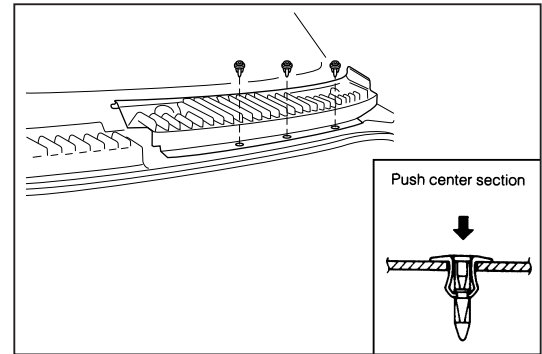
MBO00172-00163

5. Remove the windshield wiper arm assembly.
(1) Remove the windshield wiper arm assembly.



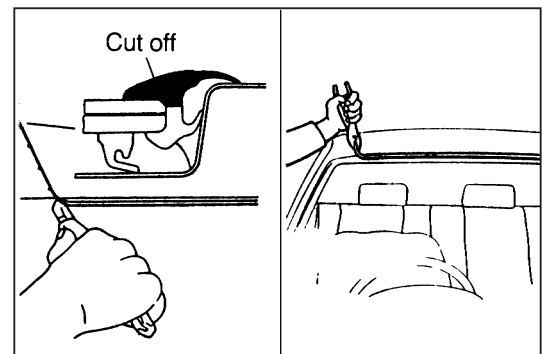
MBO00173-00164

6. Remove the cowl top ventilator louver.
(1) Remove the ventilator louver by detaching the clips (ten pcs.).



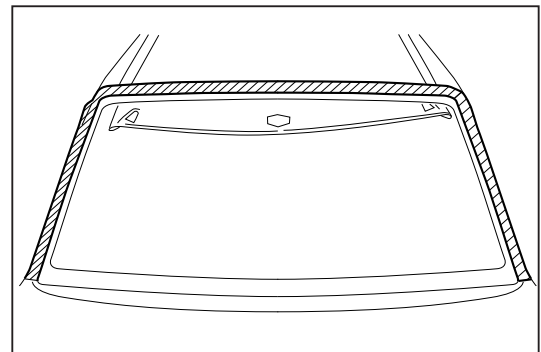
MBO00174-00165

7. Remove the windshield upper molding.
(1) Cut the attaching section of the molding, using a cutter knife. Then, remove the molding by pulling it, using pliers.



MBO00175-00166

8. Affix a protective tape.
(1) Affix a protective tape to the body to prevent the paint surface from being scored.



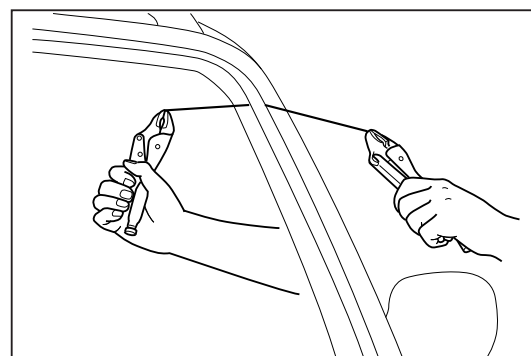
MBO00176-00167

9. Remove the windshield.

- (1) Make a hole in the adhesive layer. Pass a piano wire through the hole.
- (2) Tie both ends of the piano wire to vice clip wrenches or wooden blocks. Separate the adhesive layer by pulling each end of the piano wire alternately.

NOTE:

- If any difficulty is encountered in separating the adhesive layer during the operation, change the position through which the piano wire is passed.



MBO00177-00168

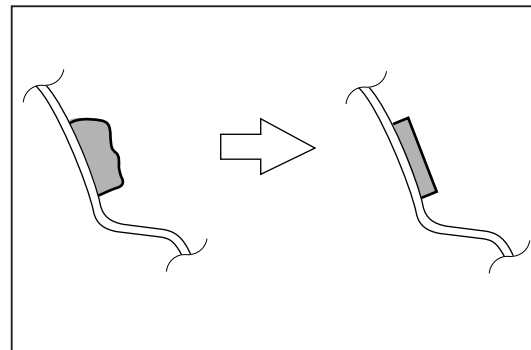
INSTALLATION

1. Finishing and cleaning of adhesive surface at body side

- (1) Remove any residual adhesive layer evenly, using a cutter knife or the like, so that the body surface may not be exposed.
- (2) Clean the cutout surface with alcohol or white gasoline to wipe off any smear, oil and grease.

NOTE:

- Make sure that no oil, grease, etc. is present on the cutter knife to be used.



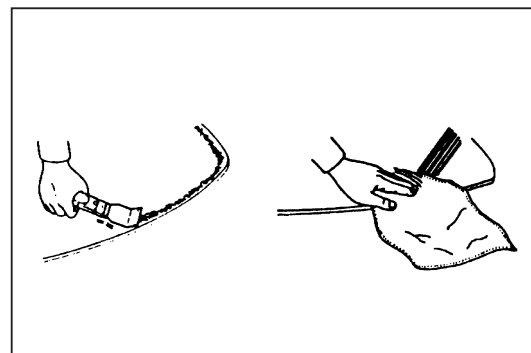
MBO00178-00169

2. Cleaning of windshield glass

- (1) Remove the old adhesive agent that has adhered to the glass surface, using a scraper. (In cases where the glass is reused)
- (2) Clean the adhesive surface of the glass with alcohol or white gasoline.

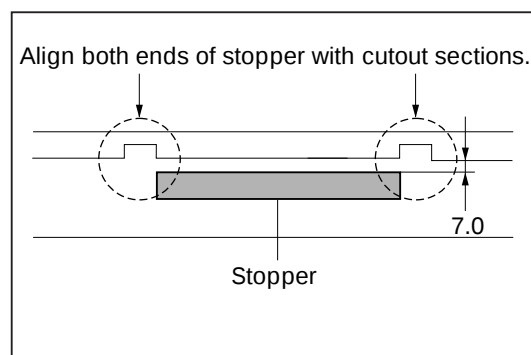
NOTE:

- Do not touch the cleaned surface of the glass with your hands after the cleaning.
- In the case of laminated glass, there is the possibility that alcohol or white gasoline affects the intermediate film. Therefore, utmost care must be exercised during the cleaning.



MBO00179-00170

3. Affix a positioning stopper, while aligning the stopper with the cutout sections at the two points of the outer periphery of the glass.



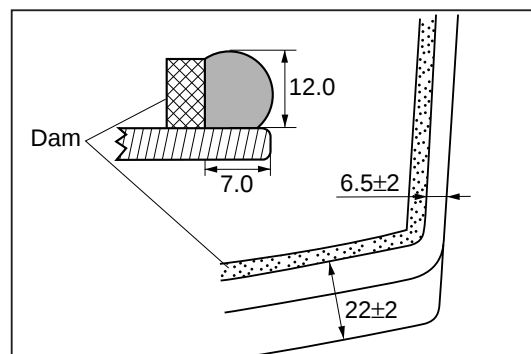
MBO00180-00171

4. Install the windshield dam.

- (1) Affix a windshield glass dam around the glass.
- (2) Make a cutout section at the corner section of the dam so that the dam may be easily bent.

NOTE:

- Be very careful not to touch the cleaned surface of the glass when affixing the dam.
- Make sure that both ends of the dam are butted at the center lower part of the glass.



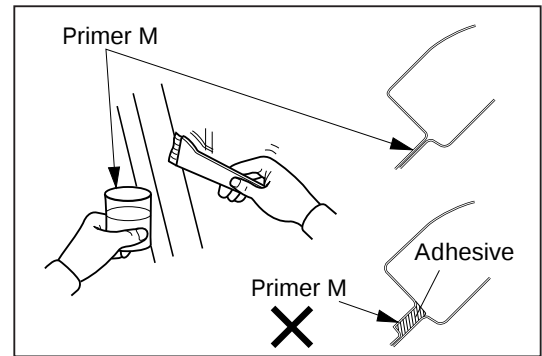
MBO00181-00172

5. Apply the primer M.

- (1) Evenly apply the primer M for body to the exposed surface of the body at the flange, using a brush.

NOTE:

- Allow the applied section to dry for at least three minutes after the application of the primer M.
- Do not apply the primer to the residual adhesive agent.
- Never reuse any primer which was opened and once used.



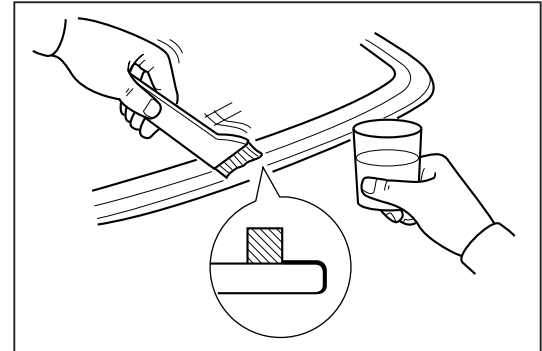
MBO00182-00173

6. Apply the primer G.

- (1) Apply the primer G for glass to the adhesive surface and side surface of the glass, using a brush.

NOTE:

- It should be noted that the adhesive force drops if the thickness of primer layer is too thick.
- Allow the applied section to dry for at least three minutes after the application of the primer G.



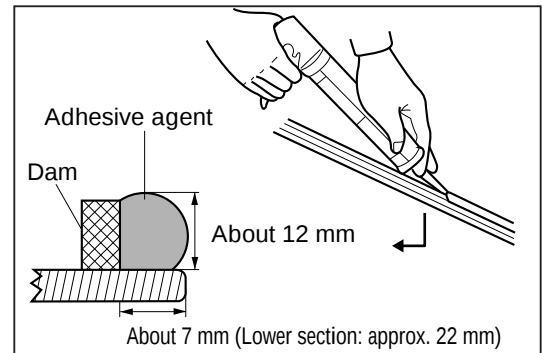
MBO00183-00174

7. Apply adhesive agent to the windshield glass.

- (1) Apply adhesive agent to the entire periphery along the windshield dam.

NOTE:

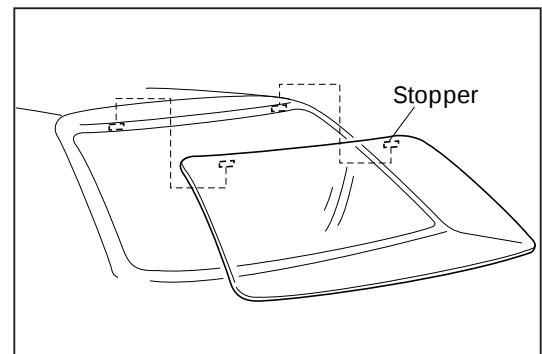
- Be sure to install the glass immediately after the adhesive agent has been applied.



MBO00184-00175

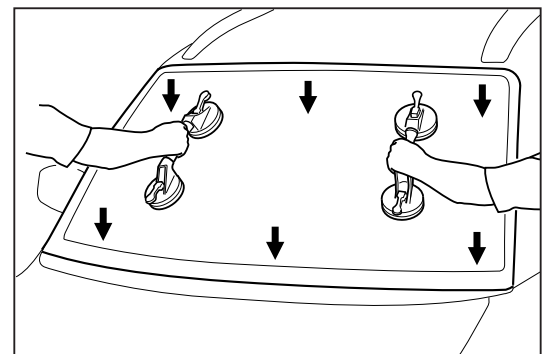
8. Install the glass.

- (1) Hang the positioning stoppers of the glass on the hooks of the flange section at the body side.



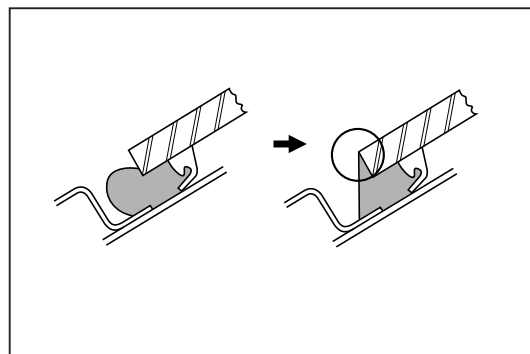
MBO00185-00176

- (2) Lightly press the entire surface of the glass so that the adhesive agent adheres to the body completely.



MBO00186-00177

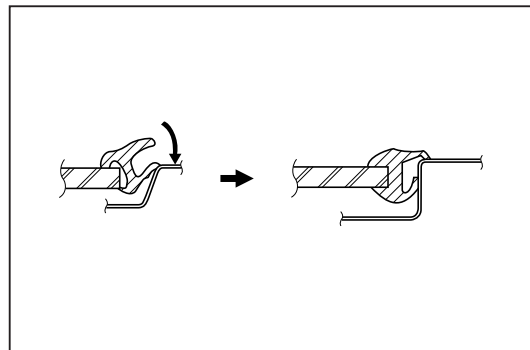
- (3) Correct the adhesive agent that has oozed around the glass, using a spatula or the like. Or add adhesive agent where it is lacking.



MBO00187-00178

9. Install the outside molding.

- (1) Insert the outside molding into between the glass and the body.



MBO00188-00179

10. Leakage test and repair

- (1) Perform the water leakage test after the adhesive agent has hardened. If water is leaking, perform repairing by filling the sealer after drying.

MBO00189-00000

11. Install the following parts.

- (1) Cowl louver
- (2) Wiper arm
- (3) Front pillar garnish
- (4) Inner rear-view mirror & room lamp
- (5) Sunvisor & assist grip
- (6) Instrument panel

MBO00190-00000

QUARTER WINDOW GLASS

REMOVAL

NOTE:

- The removal should be carried out in the same way as with the removal of the windshield.
(Refer to the section under Windshield.)

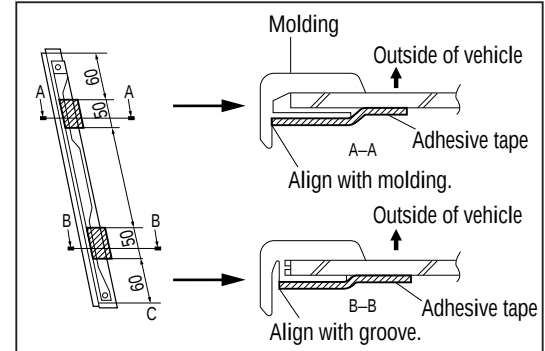
MBO00191-00000

INSTALLATION

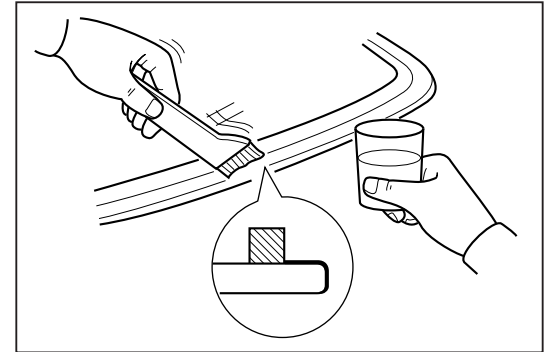
NOTE:

- Preparation for applying adhesive agent should be made in the same way as with the installation procedure for the windshield.

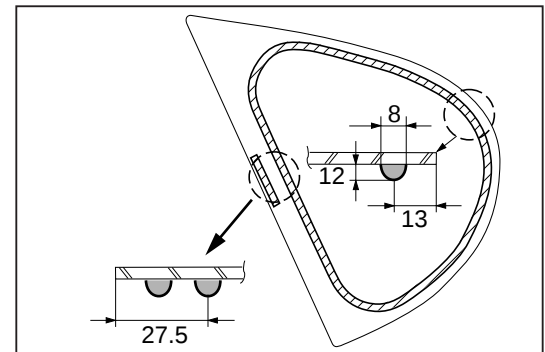
- Install the molding to the glass.
 - Install the molding to the glass with adhesive tape.
- Apply primer.
 - Affix a spacer.
 - Apply the primer M at the body side and the primer G at the glass side.
(See page BO-46.)
- Install the glass.
 - Apply adhesive agent to the glass. (See the right figure.)
- Check for water leakage
 - Perform the check for water leakage after the adhesive agent has dried. If water is leaking, perform repairing by filling the sealer.



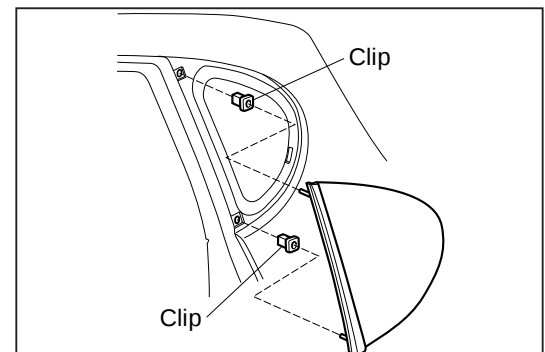
MBO00192-00180



MBO00193-00181



MBO00194-00182



MBO00195-00183

BACK DOOR WINDOW

REMOVAL

NOTE:

- The removal should be carried out in the same way as with the windshield.
(Refer to the section under Windshield.)

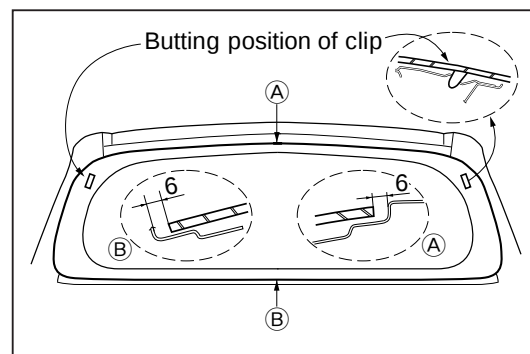
MBO00196-00000

INSTALLATION

NOTE:

- Preparation for applying adhesive agent should be made in the same way as with the installation procedure for the windshield. (Refer to the section under Windshield.)

- Install the positioning clip.
 - Insert the clips (two pcs.) into the clip holes of the body.
 - Peel off the adhesive tape of the clips.
 - Press the glass onto the clips with the positional relationship shown in the right figure.
 - Remove the window with the clip adhered to the glass.

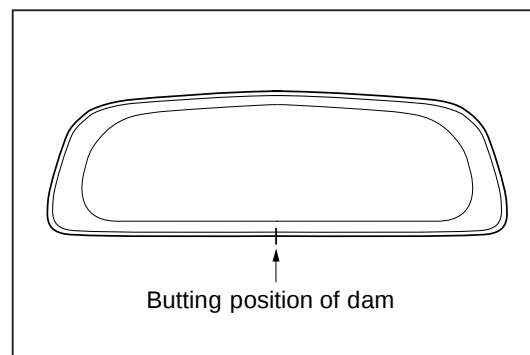


MBO00197-00184

- Apply primer.
 - Affix a spacer and a dam.

NOTE:

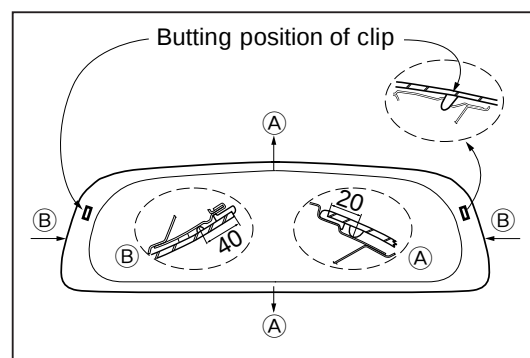
- Make sure that both ends of the molding are butted at the marking section provided at the center lower surface of the glass.



MBO00198-00185

- Apply the primer M at the body side and the primer G at the glass side.
(See page BO-46.)

- Install the glass.
 - Apply adhesive agent to the glass. (See the right figure.)
 - Insert the clip section of the glass into the clip hole at the body side.
 - Lightly press the entire surface of the glass so that the adhesive agent adheres completely.



MBO00199-00186

- Check for water leakage
 - Perform the check for water leakage after the adhesive agent has dried. If water is leaking, perform repairing by filling the sealer.

MBO00200-00000

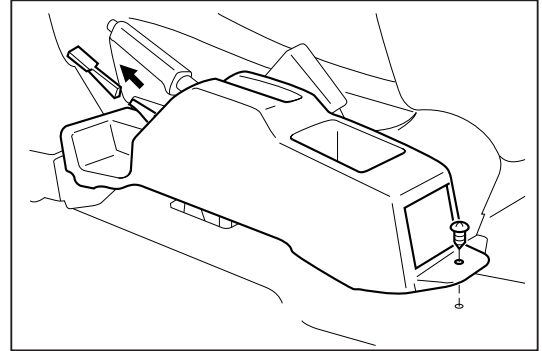
BACK DOOR & FUEL LID OPENER

CONTROL CABLE

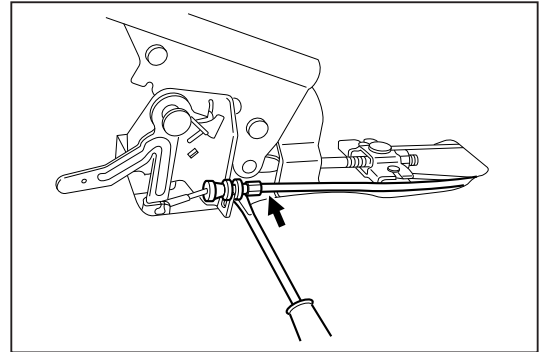
REMOVAL

1. Remove the front seat (driver side).
(Refer to the section under Front Seat.)
2. Remove the rear seat.
(Refer to the section under Rear Seat.)
3. Remove the rear console box.
(Refer to the section under Instrument Panel.)
4. Disconnect the cable from the back door open lever.
(1) Detach the cable from the clamp, using a flat screwdriver.
5. Remove the deck side trim.
(Refer to the section under Trim & Garnish.)
6. Remove the fuel filler opening lid lock.
(1) Remove the lock nut.

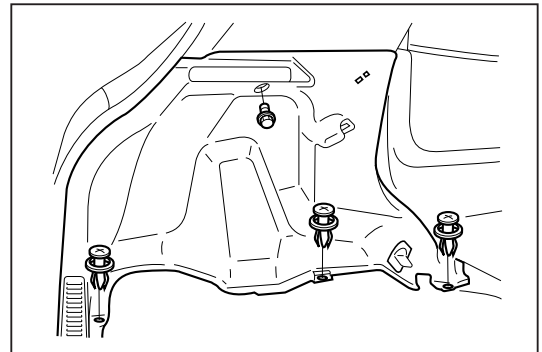
MBO00201-00000



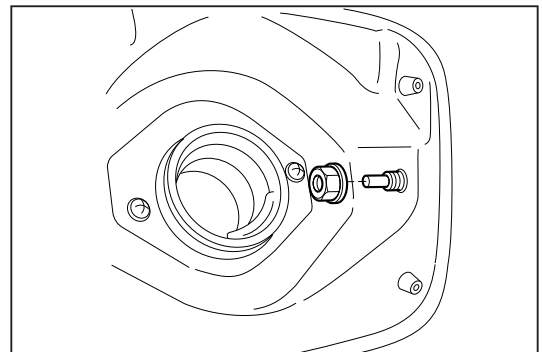
MBO00202-00187



MBO00203-00188

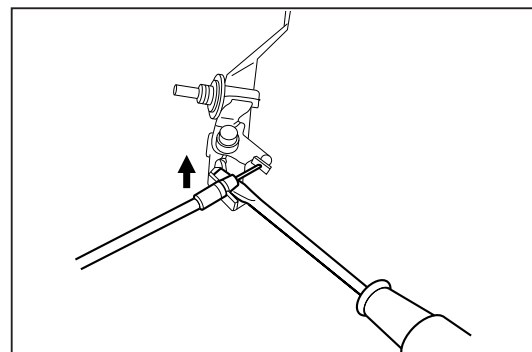


MBO00204-00189



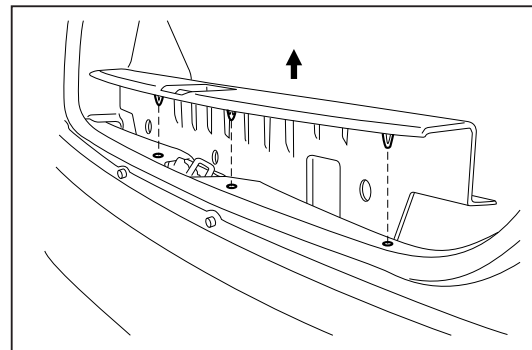
MBO00205-00190

(2) Detach the control cable from the opening lid lock.



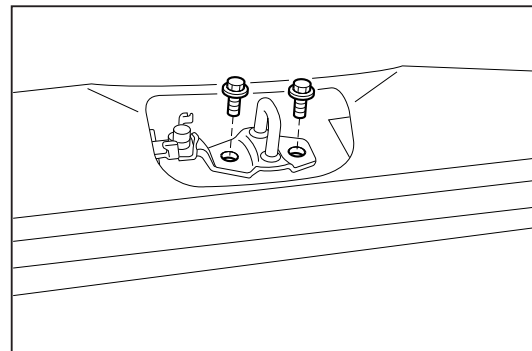
MBO00206-00191

7. Remove the lower back trim.
(Refer to the section under Trim & Garnish.)



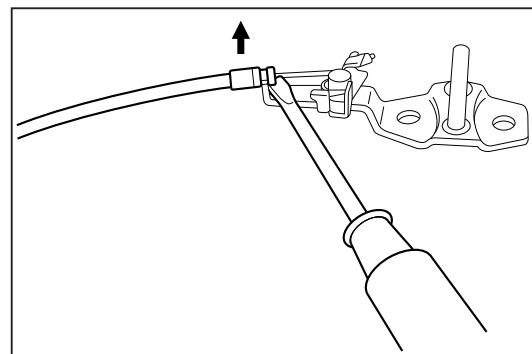
MBO00207-00192

8. Remove the back door lock striker.
 - (1) Take out the lock striker by removing the set bolts (two pcs.).



MBO00208-00193

9. Detach the control cable from the back door lock striker.
 - (1) Detach the cable from the clamp, using a flat screwdriver.
 - (2) Take out the cable from the floor panel by removing the clamp.



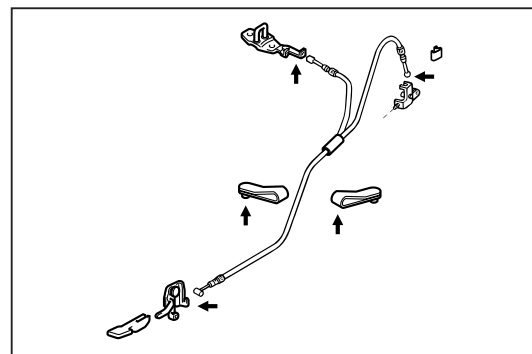
MBO00209-00194

INSTALLATION

Reverse the removal procedure to carry out the installation.

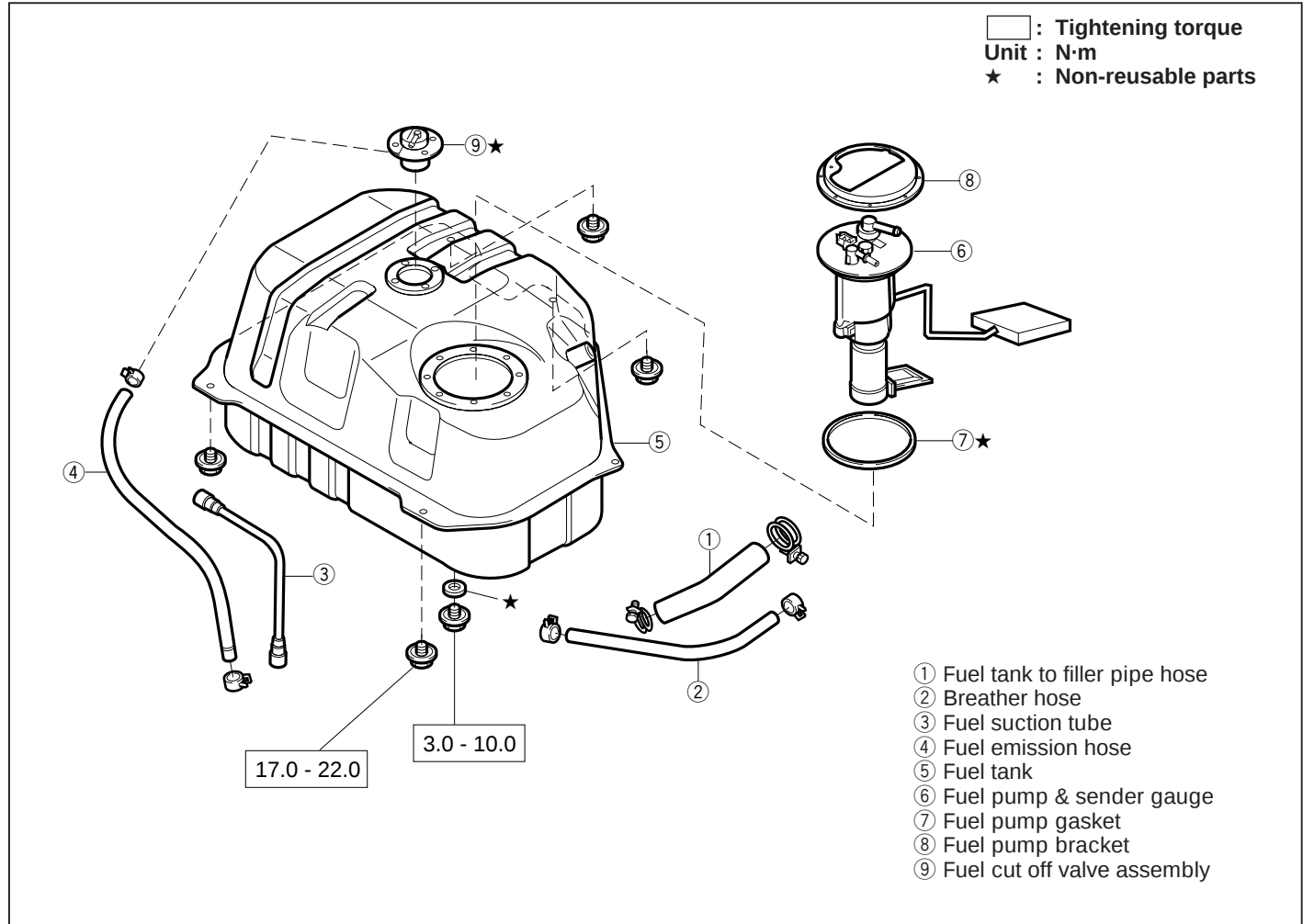
NOTE:

- Be certain to positively clamp the cable to each clamp of the back door open lever, fuel filler opening lid lock, and back door lock striker.



MBO00210-00195

FUEL TANK COMPONENTS



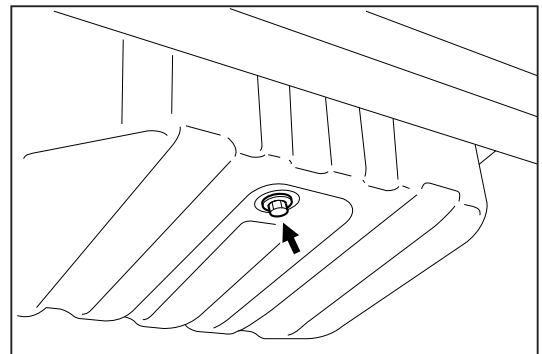
MBO00211-00196

REMOVAL

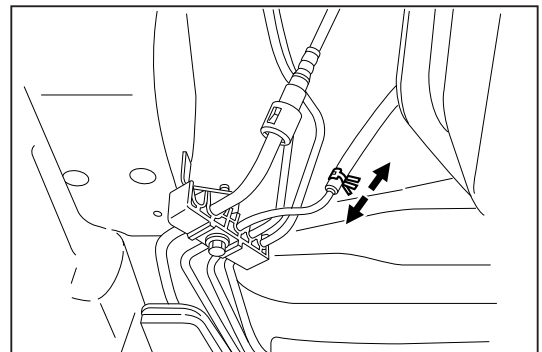
WARNING:

- Never bring fire to the operation site during the removal.
- Utmost care must be exercised so that no fuel may splash.
- Make certain to drain fuel into a suitable container.

1. Drain the residual fuel inside the tank.
(1) Drain fuel into a suitable container by removing the drain plug.
2. Disconnect the fuel hose.
(1) Pull out the hose by detaching the clip, using pliers.

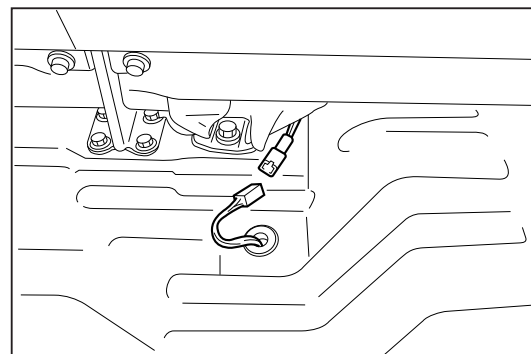


MBO00212-00197



MBO00213-00198

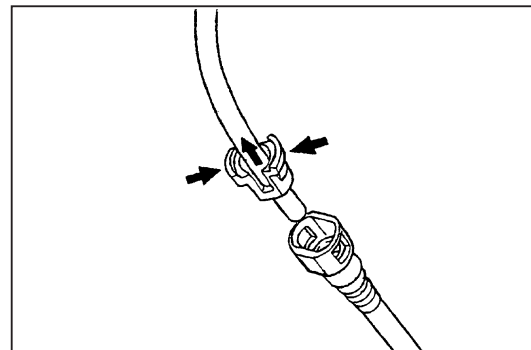
(2) Disconnect the connector of fuel pump.



MBO00214-00199

3. Remove the quick connector.

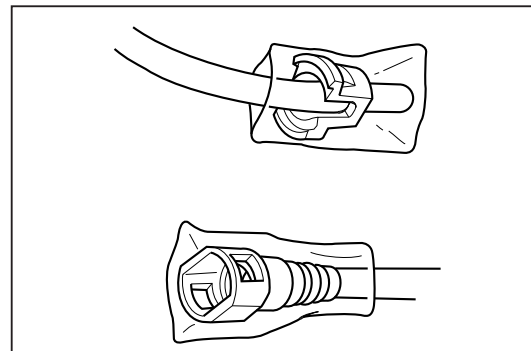
(1) Remove the connector, while holding the retainer with your fingers.



MBO00215-00200

CAUTION:

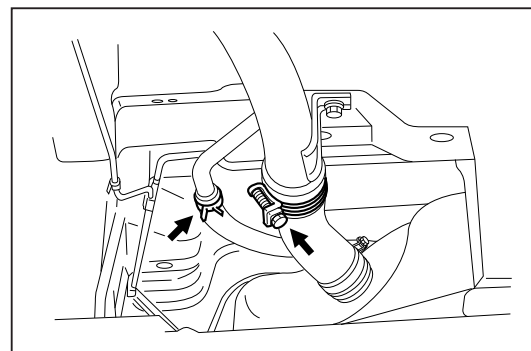
- Do not use any tool to remove the connector.
- Do not remove the retainer from the tube, unless it is absolutely necessary. In cases where the retainer is removed, be sure to use a new quick connector assembly, for this is a non-reusable part.
- Be sure to store the disconnected connector and tube in a vinyl bag to prevent them from being damaged and to prevent dust from getting to them.



MBO00216-00201

4. Disconnect the inlet hose & breather hose.

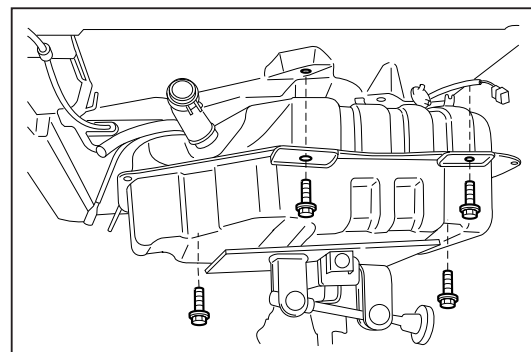
(1) Disconnect the hoses from the pipe by loosening the hose bands.



MBO00217-00202

5. Remove the fuel tank.

(1) Remove the set bolts (four pcs.).



MBO00218-00203

INSTALLATION

Reverse the removal procedure to carry out the installation.

1. Connect the fuel hose and tube.

- (1) Positively insert the hose and clamp it securely.

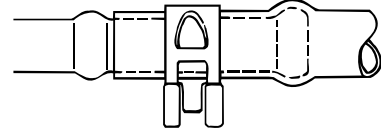
CAUTION:

- Make sure that the tube connecting section exhibits no damage, and no foreign substance gets stuck to the connecting section.

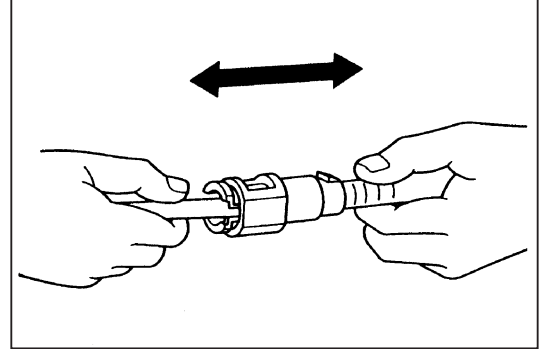
2. Connect the connector.

- (1) Insert the connector into the tube, until you hear a clicking sound from the retainer.
- (2) After the assembling, ensure that the connection has been made positively by pulling the tube and connector.

When installing a fuel hose, insert the hose up to the second spool, then clamp at the center position of the spools.

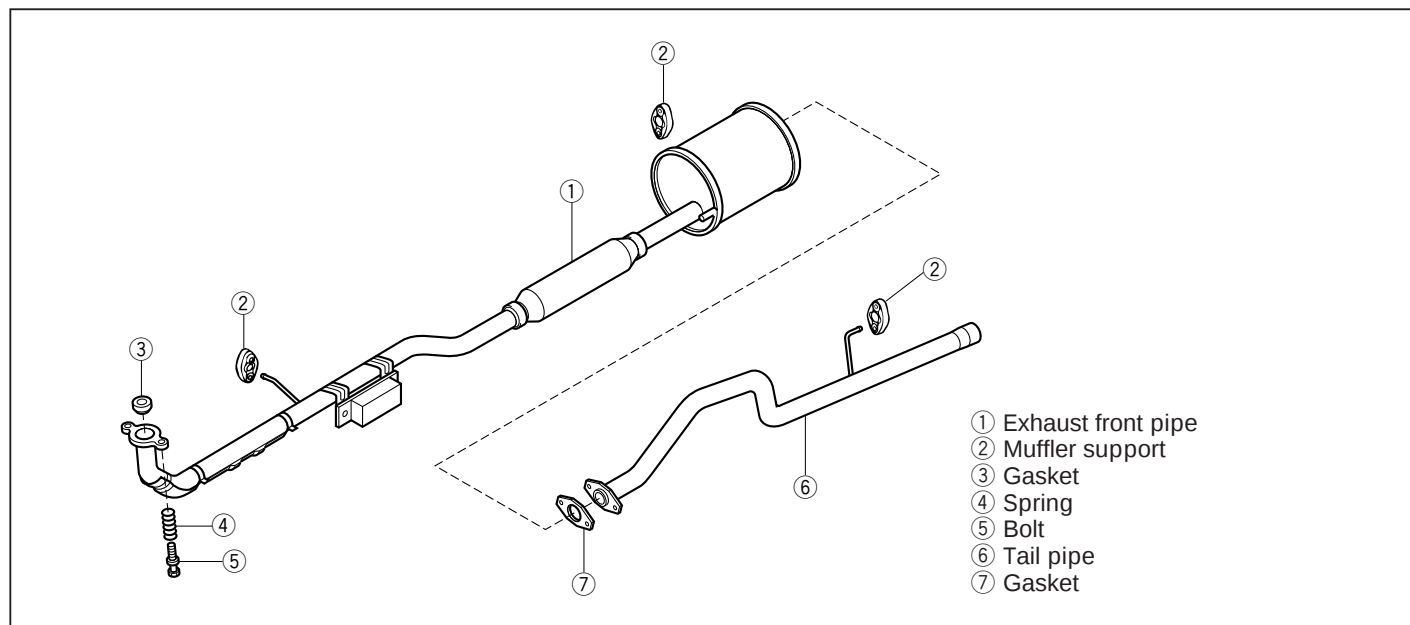


MBO00219-00204



MBO00220-00205

EXHAUST PIPE COMPONENTS



MBO00221-00206

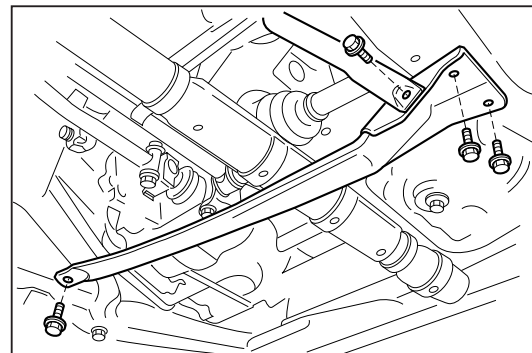
REMOVAL

CAUTION:

- The operation should be started after the exhaust pipe has completely cooled down.

1. Remove the cross member.

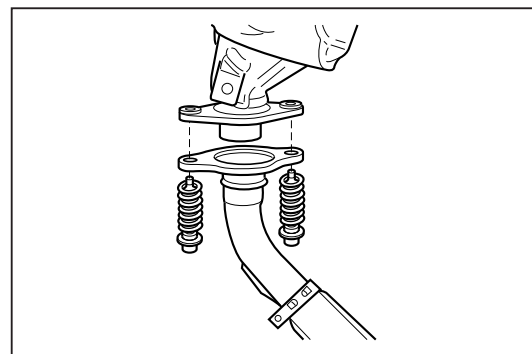
- (1) Remove the cross member from the floor panel by removing the set bolts (four pcs.).



MBO00222-00207

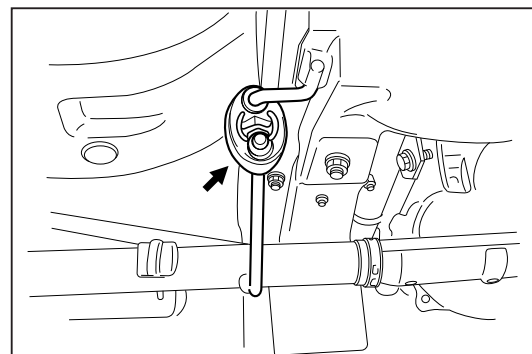
2. Remove the exhaust pipe.

- (1) Remove the set bolts (two pcs.) together with the tension springs.
- (2) Separate the tail pipe from the front pipe by removing the two nuts.



MBO00223-00208

- (3) Remove the muffler from the muffler support.
- (4) Remove the muffler assembly from the vehicle body.



MBO00224-00209

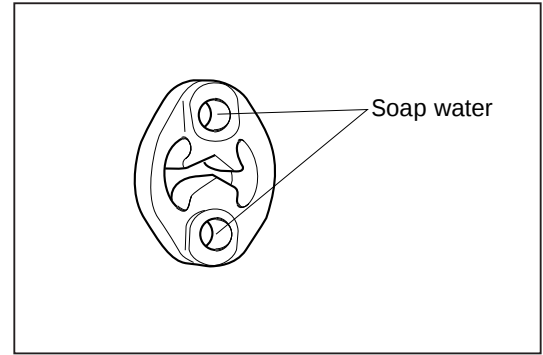
INSTALLATION

Reverse the removal procedure to carry out the installation.

1. Install the exhaust pipe to the muffler supports (three pcs.).

NOTE:

- For easier operation, it is recommended to apply soap water to the hook hole of the support.



MBO00225-00210

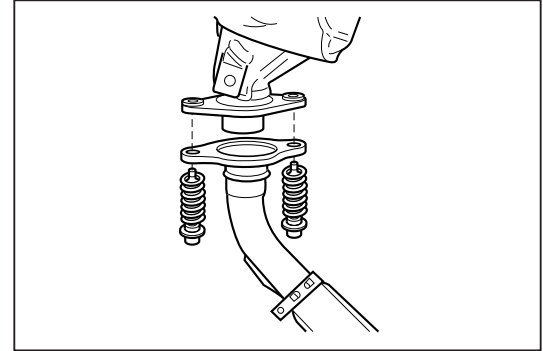
2. Install the exhaust pipe.

- (1) Install the exhaust pipe to the manifold.

Tightening Torque: 39.0 - 54.0 N·m

- (2) Connect the tail pipe to the exhaust front pipe.

Tightening Torque: 39.0 - 54.0 N·m



MBO00226-00211

TIGHTENING TORQUE

Tightening components	N·m	kgf·m
Passenger side airbag bracket × Reinforcement	6.7 - 9.6	0.7 - 1.0
Rear seat back hinge × Body	9.8 - 15.6	1.0 - 1.6
Rear seat back × Hinge	14.7 - 23.5	1.5 - 2.4
Front seat × Body	25.5 - 30.0	2.6 - 3.0
Front seat inner belt × Body	28.0 - 53.0	2.9 - 5.4
Front seat outer belt × Body	28.0 - 53.0	2.9 - 5.4
Front seat belt retractor × Body	28.0 - 53.0	2.9 - 5.4
Shoulder anchor adjuster × Body	28.0 - 53.0	2.9 - 5.4
Rear seat belt retractor × Body	28.0 - 53.0	2.9 - 5.4
Rear seat inner belt × Body	28.0 - 53.0	2.9 - 5.4
Rear seat outer belt × Body	28.0 - 53.0	2.9 - 5.4
Rear seat belt outer anchor × Body	28.0 - 53.0	2.9 - 5.4
Rear seat belt inner anchor × Body	28.0 - 53.0	2.9 - 5.4
Exhaust manifold × Exhaust front pipe	39.0 - 54.0	4.0 - 5.5
Exhaust front pipe × Exhaust tail pipe	39.0 - 58.8	4.0 - 6.0
Fuel tank × Body	17.0 - 22.0	1.7 - 2.2
Fuel tank × Drain plug	3.0 - 10.0	0.3 - 1.0

Tightening torque determination procedure for general standard bolts and nuts

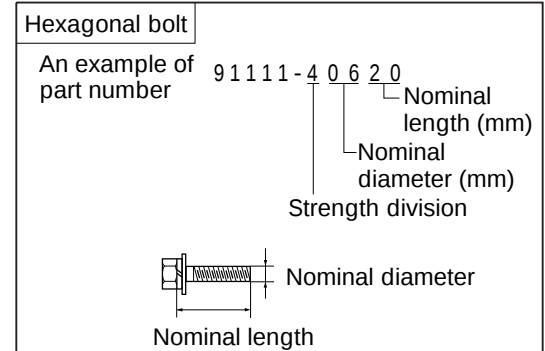
1. Tightening torque determination procedure for bolts
Determine the strength division of the bolt concerned from the table below. Then, locate the tightening torque in the tightening torque table.
2. Tightening torque determination procedure for nuts
Determine the tightening torque in the same way as described above, based on the mating bolt.
3. Identification

Identification of strength division by checking bolts them selves

Kind (Strength division)	Shape of head (How to determine strength division)	
	Bolt without flange	Bolt with flange
4 T	 	 
5 T	 	—
6 T	— —	 
7 T	 	—

MBO00228-00000

Identification by part number



MBO00000-00212

4. Tightening torque table for general standard bolts

Strength division	Nominal diameter (mm)	Pitch (mm)	Standard tightening torque {N·m (kgf·m)}	
			Bolt without flange	Bolt with flange
4 T	6	1.0	5.4 (0.55)	5.9 (0.6)
	8	1.25	13 (1.3)	14 (1.45)
	10	1.25	25 (2.6)	28 (2.9)
	12	1.25	47 (4.8)	53 (5.4)
	14	1.5	74 (7.6)	83 (8.5)
	16	1.5	113 (11.5)	—
5 T	6	1.0	6.4 (0.65)	—
	8	1.25	16 (1.6)	—
	10	1.25	32 (3.3)	—
	12	1.25	59 (6.0)	—
	14	1.5	91 (9.3)	—
	16	1.5	137 (14.0)	—
6 T	6	1.0	7.8 (0.8)	8.8 (0.9)
	8	1.25	19 (1.95)	20.5 (2.1)
	10	1.25	39 (4.0)	43 (4.4)
	12	1.25	72 (7.3)	79 (8.1)
	14	1.5	109 (11.0)	123 (12.5)
7 T	6	1.0	11 (1.1)	12 (1.2)
	8	1.25	25 (2.6)	28 (2.9)
	10	1.25	52 (5.3)	58 (5.9)
	12	1.25	9.5 (9.7)	103 (10.5)
	14	1.5	147 (15.0)	167 (17.0)
	16	1.5	225 (23.0)	—

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