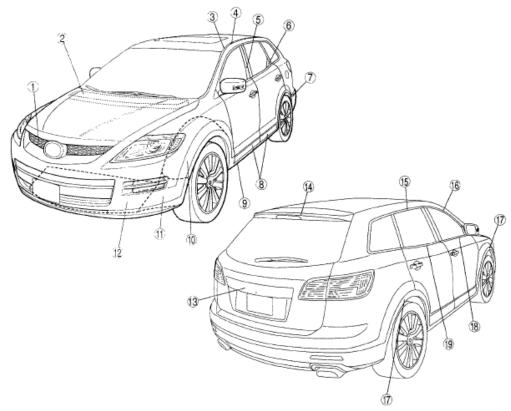
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EXTERIOR TRIM LOCATION INDEX

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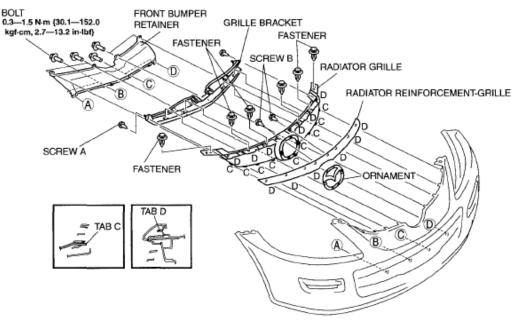
12	Front under cover A (See 09-16-13 FRONT UNDER COVER REMOVAL/ INSTALLATION.)
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Fig. 1: Identifying Exterior Trim Location Courtesy of MAZDA MOTORS CORP.

RADIATOR GRILLE REMOVAL/INSTALLATION

- 1. Set the front over fender out of the way. (See **OVER FENDER REMOVAL/INSTALLATION**.)
- 2. Remove the front bumper. (See FRONT BUMPER REMOVAL/INSTALLATION .)
- 3. Remove the bolts.



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Fig. 2: Identifying Radiator Grille Components & Torque Specifications Courtesy of MAZDA MOTORS CORP.

- 4. Remove the front bumper retainers.
- 5. Remove the fasteners.
- 6. Remove the screws A.
- 7. Remove the grille bracket.
- 8. Remove the screws B.
- 9. Remove the tabs D.
- 10. Remove the ornament.
- 11. Remove the radiator grille.
- 12. Press tabs C in the direction of the arrow, pull the radiator grille inward, and remove it from the front bumper.
- 13. Install in the reverse order of removal.

COWL GRILLE REMOVAL/INSTALLATION

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- 1. Remove the windshield wiper arm and blade. (See <u>WINDSHIELD WIPER ARM AND BLADE</u> <u>REMOVAL/INSTALLATION</u>.)
- 2. Remove the front fender molding.

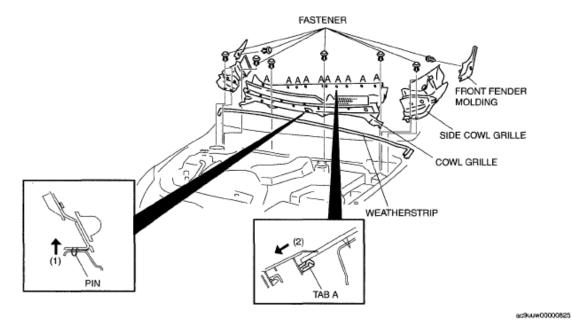
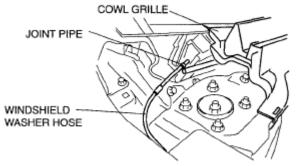


Fig. 3: Identifying Cowl Grille Components Courtesy of MAZDA MOTORS CORP.

- 3. Remove the weatherstrip.
- 4. Remove the fastener.
- 5. Remove the side cowl grille.
- 6. Pull the cowl grille in the direction of arrow (1) so that it is free from the pins, pull tabs A in the direction of arrow (2), and then remove the windshield.
- 7. Disconnect the windshield washer hose.
- 8. Remove the cowl grille.
- 9. Install in the reverse order of removal. joint pipe



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Fig. 4: Identifying Cowl Grille, Windshield Washer Hose And Joint Pipe Courtesy of MAZDA MOTORS CORP.

FRONT BELTLINE MOLDING REMOVAL/INSTALLATION

REMOVAL

- 1. Fully open the front door glass.
- 2. Disconnect the negative battery cable.
- 3. Remove the inner garnish. (See **INNER GARNISH REMOVAL/INSTALLATION** .)
- 4. Remove the front door trim. (See FRONT DOOR TRIM REMOVAL/INSTALLATION .)
- 5. Remove the power outer mirror. (See **<u>POWER OUTER MIRROR REMOVAL/INSTALLATION</u>**.)
- 6. Remove clip A using a protective tape-wrapped flathead screwdriver.
- Lift (partially peeling back) the front beltline molding in the direction of the arrow and then remove tabs B.
- 8. Remove the clip C.
- 9. Remove the front beltline molding.

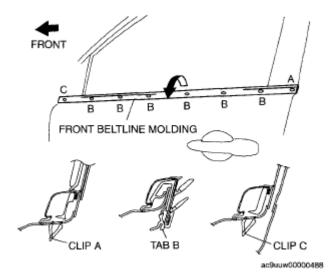


Fig. 5: Identifying Front Beltline Molding With Clips And Tab Courtesy of MAZDA MOTORS CORP.

INSTALLATION

- 1. Install the clip A.
- 2. Install the tabs B.
- 3. Install the clip C.
- 4. Install the front beltline molding.
- 5. Install the power outer mirror. (See **POWER OUTER MIRROR REMOVAL/INSTALLATION**.)

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- 6. Install the front door trim. (See **FRONT DOOR TRIM REMOVAL/INSTALLATION**.)
- 7. Install the inner garnish. (See **INNER GARNISH REMOVAL/INSTALLATION**.)
- 8. Connect the negative battery cable.

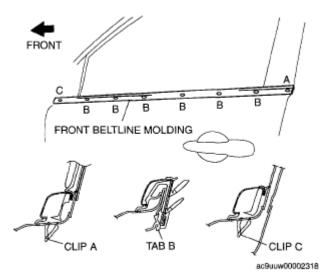


Fig. 6: Identifying Front Beltline Molding With Clips And Tab Courtesy of MAZDA MOTORS CORP.

REAR BELTLINE MOLDING REMOVAL/INSTALLATION

REMOVAL

- 1. Fully lower the rear door glass.
- 2. Remove the clip A using a protective tape-wrapped flathead screwdriver.
- 3. Lift (partially peeling back) the rear beltline molding in the direction of the arrow and then remove tabs B.
- 4. Remove the clip C.
- 5. Remove the rear beltline molding.

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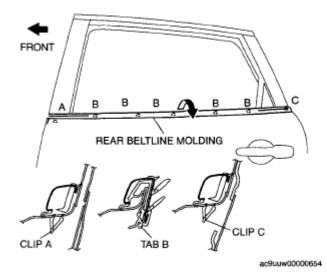


Fig. 7: Identifying Rear Beltline Molding With Clips And Tab Courtesy of MAZDA MOTORS CORP.

INSTALLATION

- 1. Install the clip A.
- 2. Install the tabs B.
- 3. Install the clip C.
- 4. Install the rear beltline molding.

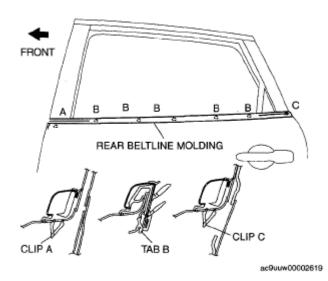


Fig. 8: Identifying Rear Beltline Molding With Clips And Tab Courtesy of MAZDA MOTORS CORP.

ROOF MOLDING REMOVAL

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- 1. Detach the T-stud which secure sections A of roof molding, using a flat head screwdriver or equivalent tool.
- 2. While pulling the roof molding up, detach it from the clips at section B, C, and then remove the roof molding.

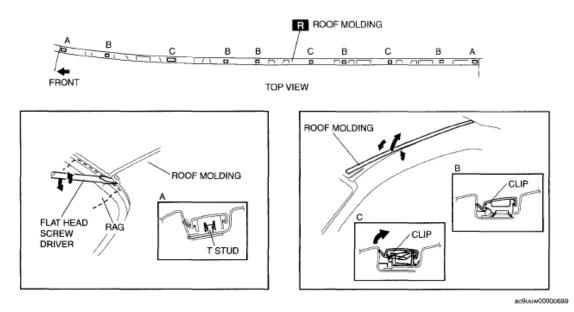
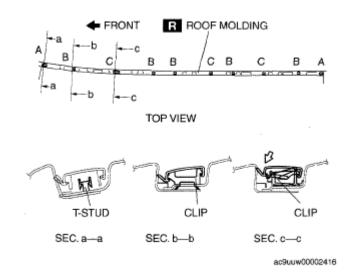


Fig. 9: Identifying Roof Molding With T-Stud And Clips Courtesy of MAZDA MOTORS CORP.

ROOF MOLDING INSTALLATION

- 1. Attach the roof molding to the T-stud at the front portion of section A.
- 2. Hook the roof molding to clips B, C and press it in to attach.
- 3. Attach the roof molding to the T-stud at the rear portion of section A.



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Fig. 10: Identifying Roof Molding With T-Stud And Clips Courtesy of MAZDA MOTORS CORP.

ROOF CARRIER BRACKET REMOVAL/INSTALLATION

- 1. Disconnect the negative battery cable.
- 2. Partially peel back the seaming welt.
- 3. Remove the following parts:
 - 1. A-pillar trim (See <u>A-PILLAR TRIM REMOVAL/INSTALLATION</u>.)
 - 2. Front scuff plate inner (See FRONT SCUFF PLATE REMOVAL/INSTALLATION .)
 - 3. Rear scuff plate inner (See <u>REAR SCUFF PLATE REMOVAL/INSTALLATION</u>.)
 - 4. Front seat belt lower anchor installation bolt (Driver side) (See <u>FRONT SEAT BELT</u> <u>REMOVAL/INSTALLATION</u>.)
 - 5. B-pillar lower trim (See **<u>B-PILLAR LOWER TRIM REMOVAL/INSTALLATION</u>**.)
 - 6. Front seat belt upper anchor installation bolt (See **FRONT SEAT BELT <u>REMOVAL/INSTALLATION</u> .)**
 - 7. B-pillar upper trim (See **<u>B-PILLAR UPPER TRIM REMOVAL/INSTALLATION</u>**.)
 - 8. Trunk box (See TRUNK BOX REMOVAL/INSTALLATION .)
 - 9. Seat side box (See <u>SEAT SIDE BOX REMOVAL/INSTALLATION</u> .)
 - 10. Trunk end trim (See TRUNK END TRIM REMOVAL/INSTALLATION .)
 - 11. Third-row seat (See THIRD-ROW SEAT REMOVAL/INSTALLATION .)
 - 12. Third-row seat belt lower anchor installation bolt (See <u>THIRD-ROW SEAT BELT</u> <u>REMOVAL/INSTALLATION</u>.)
 - 13. Trunk side trim (See TRUNK SIDE TRIM REMOVAL/INSTALLATION .)
 - 14. Roof side trim (See **<u>ROOF SIDE TRIM REMOVAL/INSTALLATION</u>**.)
 - 15. Second-row seat belt upper anchor installation bolt (See <u>SECOND-ROW SEAT BELT</u> <u>REMOVAL/INSTALLATION</u>.)
 - 16. C-pillar trim (See <u>C-PILLAR TRIM REMOVAL/INSTALLATION</u>.)
 - 17. Third-row seat belt upper anchor installation bolt (See <u>THIRD-ROW SEAT BELT</u> <u>REMOVAL/INSTALLATION</u> .)
 - 18. D-pillar trim (See **<u>D-PILLAR TRIM REMOVAL/INSTALLATION</u>**.)
 - 19. Front map light (See FRONT MAP LIGHT REMOVAL/INSTALLATION .)
 - 20. Sunvisor (See <u>SUNVISOR REMOVAL/INSTALLATION</u>.)
 - 21. Assist handle (See ASSIST HANDLE REMOVAL/INSTALLATION .)
 - 22. Headliner (See <u>HEADLINER REMOVAL/INSTALLATION</u>.)
- 4. Remove the nuts.
- 5. Remove the roof carrier bracket.
- 6. Install in the reverse order of removal.

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NOTE: Install the roof carrier bracket so that the arrow on it faces inward.

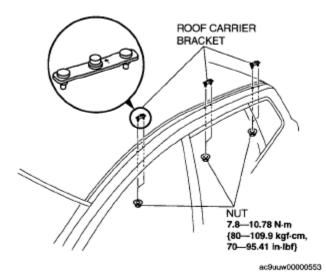
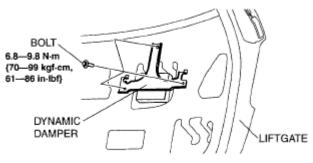


Fig. 11: Identifying Roof Carrier Bracket With Nuts & Torque Specifications Courtesy of MAZDA MOTORS CORP.

REAR FINISHER REMOVAL/INSTALLATION

- 1. Remove the liftgate upper trim. (See LIFTGATE UPPER TRIM REMOVAL/INSTALLATION)
- 2. Remove the liftgate side trim. (See LIFTGATE SIDE TRIM REMOVAL/INSTALLATION)
- 3. Remove the liftgate lower trim. (See LIFTGATE LOWER TRIM REMOVAL/INSTALLATION .)
- 4. Set the noise filter out of the way. (See **NOISE FILTER REMOVAL/INSTALLATION**.)
- 5. Remove the bolts.
- 6. Remove the dynamic damper.



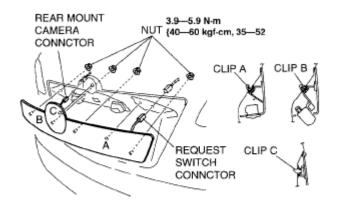
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Fig. 12: Identifying Dynamic Damper With Bolts & Torque Specifications Courtesy of MAZDA MOTORS CORP.

7. Disconnect the request switch connector and the rear mount camera connector.

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- 8. Remove the nuts.
- 9. Pull the rear finisher outward, then disengage clip A, B, and C from the body.
- 10. Remove the rear finisher.
- 11. Remove the request switch. (See <u>REQUEST SWITCH REMOVAL/INSTALLATION [ADVANCED</u> <u>KEYLESS SYSTEM]</u>.)(Vehicles with advanced keyless system)
- 12. Remove the rear mount camera. (See <u>**REAR MOUNT CAMERA REMOVAL/INSTALLATION**</u>.) (Vehicles with rear mount camera)
- 13. Install in the reverse order of removal.



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Fig. 13: Identifying Request Switch Connector, Rear Mount Camera Connector & Torque Specifications Courtesy of MAZDA MOTORS CORP.

REAR SASH MOLDING INSTALLATION

NOTE:

• Double-sided adhesive tape has already been attached to the new rear sash molding.

• Using a razor with bare hands can cause injury. Always wear gloves when using a razor.

- 1. When installing a new rear sash molding, follow the procedure below:
 - 1. Remove the adhesive remaining on the body using razor.
 - 2. Remove any grease or dirt from the adhesion surface of the body.
- 2. When reusing the rear sash molding, follow the procedure below:
 - 1. Remove the adhesive remaining on the rear sash molding and the body using a razor.
 - 2. Remove any grease or dirt from the adhesion surface of the rear sash molding and the body.
 - 3. Apply primer to the bonding area of the rear sash molding.

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4. Affix double-sided adhesive tape A to the rear sash molding as shown in the figure.

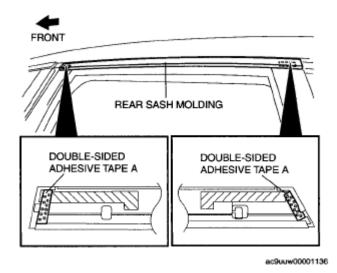


Fig. 14: Identifying Double-Sided Adhesive Tape Applying To Rear Sash Molding Courtesy of MAZDA MOTORS CORP.

5. Affix double-sided adhesive tape B to the rear sash molding as shown in the figure.

NOTE: • As for the double-sided adhesive tape, use beta tape B 5078 (1 mm {0.04 in} thickness) or equivalent.

3. Peel off the backing of the double-sided

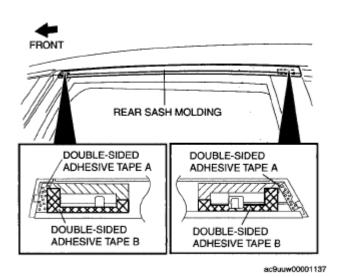


Fig. 15: Identifying Double-Sided Adhesive Tape Applying To Rear Sash Molding Courtesy of MAZDA MOTORS CORP.

4. Hook tab B to the body in the position where tabs A and D align with the sash holes.

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5. Press the rear sash molding in the direction of the arrow and install tabs A and D to the body.

CAUTION: • Do not press the rear sash molding in any place other than the rubber areas.

- 6. Press the rear sash molding from the vehicle front in the direction of the arrow and install tab C.
 - NOTE: After installing the front sash molding, verify that tabs B and C are connected properly to the body.

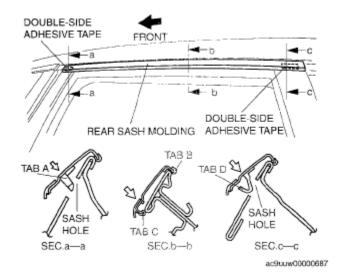


Fig. 16: Identifying Double-Sided Adhesive Tape And Rear Sash Molding Courtesy of MAZDA MOTORS CORP.

REAR SPOILER REMOVAL/INSTALLATION

- 1. Disconnect the negative battery cable.
- 2. Remove the liftgate upper trim. (See LIFTGATE UPPER TRIM REMOVAL/INSTALLATION .)
- 3. Disconnect the high-mount brake light connector.
- 4. Remove the nuts.
- 5. Detach the clips and remove the rear spoiler.
- 6. Install in the reverse order of removal.

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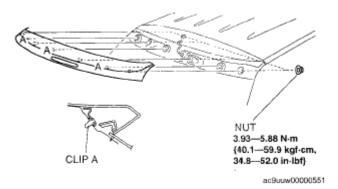
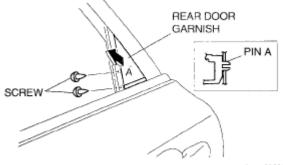


Fig. 17: Identifying Rear Spoiler With Nut, Clip & Torque Specifications Courtesy of MAZDA MOTORS CORP.

REAR DOOR GARNISH REMOVAL/INSTALLATION

- 1. Remove the inner sail garnish. (See **INNER SAIL GARNISH REMOVAL/INSTALLATION**.)
- 2. Remove the screws.
- 3. Remove the pin A.
- 4. Slide the rear door garnish in the direction shown by the arrow and remove it.
- 5. Install in the reverse order of removal.



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Fig. 18: Identifying Rear Door Garnish With Screw Courtesy of MAZDA MOTORS CORP.

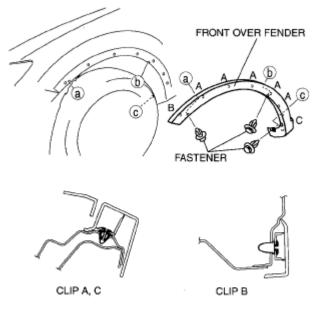
OVER FENDER REMOVAL/INSTALLATION

FRONT

- 1. Remove the fasteners.
- 2. Remove the clips A.
- 3. Remove the clip B.
- 4. Remove the clip C.
- 5. Remove the front over fender.

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6. Install in the reverse order of removal.



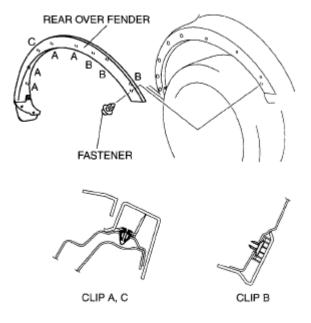
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Fig. 19: Identifying Front Over Fender With Clips Courtesy of MAZDA MOTORS CORP.

REAR

- 1. Remove the fastener.
- 2. Remove the clips A.
- 3. Remove the clips B.
- 4. Remove the clip C.
- 5. Remove the rear over fender.
- 6. Install in the reverse order of removal.

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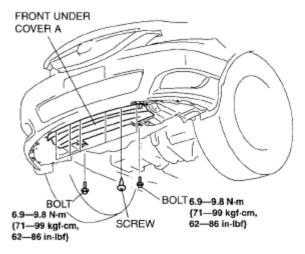
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Fig. 20: Identifying Rear Over Fender With Clips Courtesy of MAZDA MOTORS CORP.

FRONT UNDER COVER REMOVAL/INSTALLATION

FRONT UNDER COVER A

- 1. Remove the bolts.
- 2. Remove the screws.
- 3. Remove the front under cover A.
- 4. Install in the reverse order of removal.

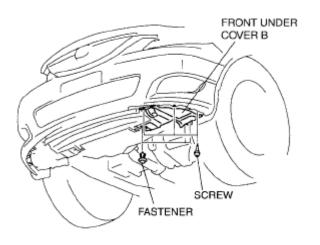


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Fig. 21: Identifying Front Under Cover A With Screws, Bolts & Torque Specifications Courtesy of MAZDA MOTORS CORP.

FRONT UNDER COVER B

- 1. Remove the screws.
- 2. Remove the fasteners.
- 3. Remove the front under cover B.
- 4. Install in the reverse order of removal.



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Fig. 22: Identifying Front Under Cover B With Screws And Bolts Courtesy of MAZDA MOTORS CORP.

SPLASH SHIELD REMOVAL/INSTALLATION

- 1. Remove the front over fender. (See **OVER FENDER REMOVAL/INSTALLATION**.)
- 2. Remove the bolts.
- 3. Remove the fasteners A.
- 4. Remove the splash shield.
- 5. Install in the reverse order of removal.

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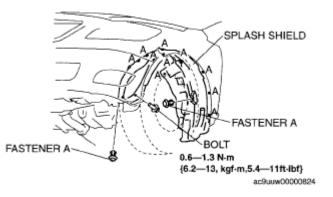
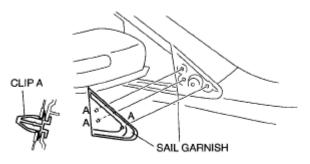


Fig. 23: Identifying Splash Shield, Fasteners & Torque Specifications Courtesy of MAZDA MOTORS CORP.

SAIL GARNISH REMOVAL/INSTALLATION

- 1. Pull the sail garnish outward and detach clips A from the body.
- 2. Remove the sail garnish.
- 3. Install in the reverse order of removal.



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Fig. 24: Identifying Sail Garnish With Clips Courtesy of MAZDA MOTORS CORP.

SIDE GARNISH REMOVAL

FRONT

- 1. Pull the side garnish and remove clip A from the vehicle body.
- 2. Slide the side garnish to the vehicle rear and remove clips B and C from the side garnish.
- 3. Remove the side garnish.
- 4. Remove clips B and C from the body, then install it to the side garnish.

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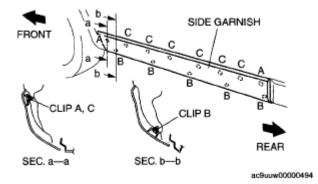
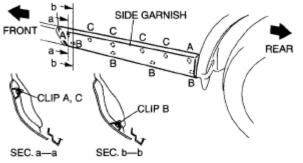


Fig. 25: Identifying Front Side Garnish With Clips Courtesy of MAZDA MOTORS CORP.

REAR

- 1. Pull the side garnish and remove clip A from the vehicle body.
- 2. Slide the side garnish to the vehicle rear and remove clips B and C from the side garnish.
- 3. Remove the side garnish.
- 4. Remove clips B and C from the body, then install it to the side garnish.



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Fig. 26: Identifying Rear Side Garnish With Clips Courtesy of MAZDA MOTORS CORP.

SIDE GARNISH INSTALLATION

FRONT

1. Install clips A and then B to the vehicle from the front side.

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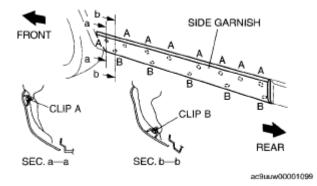


Fig. 27: Identifying Front Side Garnish With Clips Courtesy of MAZDA MOTORS CORP.

REAR

1. Install clips A and then B to the vehicle from the rear side.

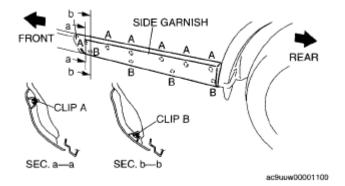
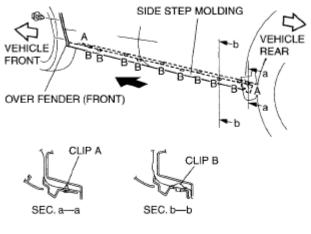


Fig. 28: Identifying Rear Side Garnish With Clips Courtesy of MAZDA MOTORS CORP.

SIDE STEP MOLDING REMOVAL

- 1. Set the over fender out of the way
- 2. Remove the tow fasteners shown in the figure and set the front over fender out of the way.
- 3. Slide the side step molding in the direction of the arrow and detach clips A and B.
- 4. Remove the side step molding.
- 5. Remove clips A and B from the body, then install it to the side step molding.

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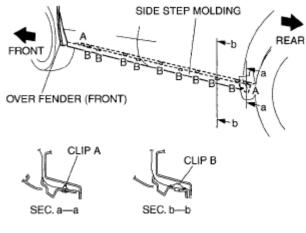


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Fig. 29: Identifying Side Step Molding With Clips Courtesy of MAZDA MOTORS CORP.

SIDE STEP MOLDING INSTALLATION

- 1. Install the clips A and B.
- 2. Return the over fender to its original position.



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Fig. 30: Identifying Side Step Molding With Clips Courtesy of MAZDA MOTORS CORP.

FRONT SASH MOLDING REMOVAL

- Using a razor with bare hands can cause injury. Always wear gloves when using a razor.
- 1. Remove the power outer mirror. (See **POWER OUTER MIRROR REMOVAL/INSTALLATION**.)

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- 2. Press tab A in the direction of the arrow and remove it.
- 3. While cutting the double-sided adhesive tape using a flathead screwdriver or a razor, separate the front sash molding from the body.
- 4. Rotate the front sash molding at the pivot of tab B in the direction of arrow D and remove it.
- 5. Remove the tab C.
- 6. Remove the front sash molding.

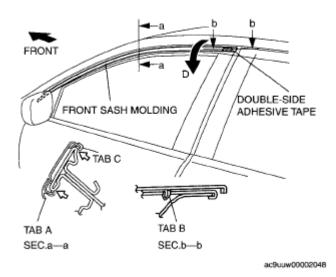


Fig. 31: Identifying Front Sash Molding With Tab Courtesy of MAZDA MOTORS CORP.

DOOR SASH FILM REMOVAL

- 1. Partially peel back the glass run channel.
- 2. Partially peel back the door weatherstrip.
- 3. Remove the following parts:

NOTE:

- 1. Inner garnish (See INNER GARNISH REMOVAL/INSTALLATION .)
- 2. Front door trim (See FRONT DOOR TRIM REMOVAL/INSTALLATION .)
- 3. Inner sail garnish (See INNER SAIL GARNISH REMOVAL/INSTALLATION .)
- 4. Rear door trim (See <u>REAR DOOR TRIM REMOVAL/INSTALLATION</u>.)
- 5. Front beltline molding (See FRONT BELTLINE MOLDING REMOVAL/INSTALLATION.)
- 6. Rear beltline molding (See **<u>REAR BELTLINE MOLDING REMOVAL/INSTALLATION</u>.)**
- 7. Front sash molding (See FRONT SASH MOLDING REMOVAL.)
- 8. Rear sash molding (See <u>REAR SASH MOLDING REMOVAL</u>.)
- 9. Rear door garnish (See REAR DOOR GARNISH REMOVAL/INSTALLATION.)
- 4. Peel off the rear sash film by pulling it outward from one end.

Slowly remove the door sash film since it may tear easily.

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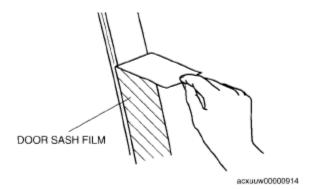


Fig. 32: Peeling Off Rear Sash Film Courtesy of MAZDA MOTORS CORP.

FRONT SASH MOLDING INSTALLATION

NOTE:

• Double-sided adhesive tape has already been attached to the new front sash molding.

• Using a razor with bare hands can cause injury. Always wear gloves when using a razor.

- 1. When installing a new front sash molding, follow the procedure below:
 - 1. Remove the adhesive remaining on the body using razor.
 - 2. Remove any grease or dirt from the adhesion surface of the body.
- 2. When reusing the front sash molding, follow the procedure below:
 - 1. Remove the adhesive remaining on the front sash molding and the body using a razor.
 - 2. Remove any grease or dirt from the adhesion surface of the front sash molding and the body.
 - 3. Apply primer to the bonding area of the front sash molding.
 - 4. Affix double-sided adhesive tape A to the front sash molding as shown in the figure.

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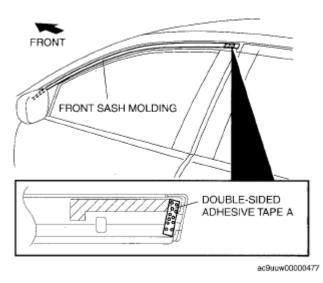


Fig. 33: Identifying Double-Sided Adhesive Tape Applyin To Front Sash Molding Courtesy of MAZDA MOTORS CORP.

5. Affix double-sided adhesive tape B to the front sash molding as shown in the figure.

NOTE: As for the double-sided adhesive tape, use beta tape 5078 (1 mm {0.04 in} thickness) or equivalent.

3. Peel off the backing of the double-sided adhesive tape.

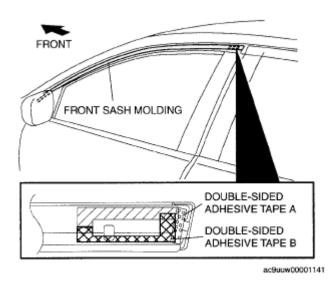


Fig. 34: Identifying Double-Sided Adhesive Tape Applying To Front Sash Molding Courtesy of MAZDA MOTORS CORP.

- 4. Hook tab A to the body in the position where tabs B align with the sash holes.
- 5. Press the front sash molding in the direction of the arrow and install tabs B to the body.

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• Do not press the front sash molding in any place other than the rubber areas.

- 6. Press the front sash molding from the vehicle rear in the direction shown in the arrow and install tab C.
 - NOTE: After installing the front sash molding, verify that tabs A and B are connected properly to the body.

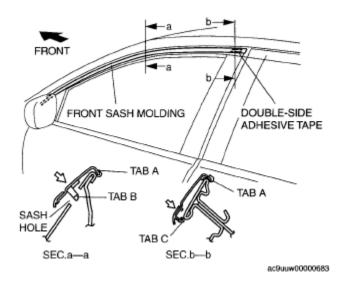


Fig. 35: Identifying Double-Sided Adhesive Tape And Front Sash Molding Courtesy of MAZDA MOTORS CORP.

DOOR SASH FILM INSTALLATION

- 1. Remove any grease or dirt from the affixing surface of the door.
- 2. Cut away the unused portion along the dotted lines.

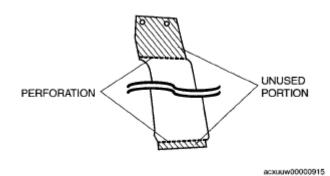
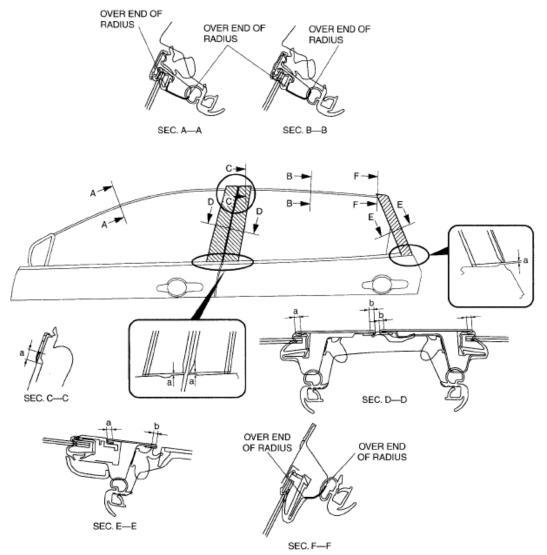


Fig. 36: Identifying Door Sash Film Area Courtesy of MAZDA MOTORS CORP.

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3. Peel off the backing paper and attach the door sash film onto the door as shown in the figure.



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Fig. 37: Attaching Door Sash Film Onto Door Courtesy of MAZDA MOTORS CORP.

Standard clearance

a: 2.0 mm or more {0.08 in or more}

b: 3.0-5.0 mm {0.12-0.19 in}

- 4. Peel off the transparent protective film on the door sash film.
- 5. Install the following parts:
 - 1. Rear door garnish (See <u>REAR DOOR GARNISH REMOVAL/INSTALLATION</u>.)

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- 2. Rear sash molding (See **<u>REAR SASH MOLDING INSTALLATION</u>**.)
- 3. Front sash molding (See **FRONT SASH MOLDING INSTALLATION**.)
- 4. Rear beltline molding (See <u>REAR BELTLINE MOLDING REMOVAL/INSTALLATION</u>.)
- 5. Front beltline molding (See **FRONT BELTLINE MOLDING REMOVAL/INSTALLATION**.
- 6. Rear door trim (See <u>REAR DOOR TRIM REMOVAL/INSTALLATION</u>.)
- 7. Inner sail garnish (See INNER SAIL GARNISH REMOVAL/INSTALLATION .)
- 8. Front door trim (See FRONT DOOR TRIM REMOVAL/INSTALLATION .)
- 9. Inner garnish (See INNER GARNISH REMOVAL/INSTALLATION .)

REAR SASH MOLDING REMOVAL

• Using a razor with bare hands can cause injury. Always wear gloves when using a razor.

- 1. Press tab C in the direction of the arrow and remove it.
- 2. While cutting the double-sided adhesive tape using a flathead screwdriver or a razor, separate the rear sash molding from the body.
- 3. Remove the tab D.
- 4. Rotate the rear sash molding in the direction of the arrow and remove tab A.
- 5. Rotate the rear sash molding in the direction of the arrow and remove tab B.
- 6. Remove the rear sash molding.

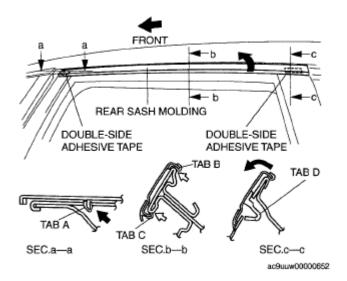


Fig. 38: Identifying Rear Sash Molding And Double-Sided Adhesive Tape Location Courtesy of MAZDA MOTORS CORP.

EXTRACTOR CHAMBER REMOVAL/INSTALLATION

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- 1. Disconnect the negative battery cable.
- 2. Remove the rear combination light. (See <u>REAR COMBINATION LIGHT</u> <u>REMOVAL/INSTALLATION</u>.)
- 3. Remove the rear bumper. (See <u>REAR BUMPER REMOVAL/INSTALLATION</u>.)
- 4. Remove the rear over fender. (See **OVER FENDER REMOVAL/INSTALLATION**.)
- 5. Remove the screws.
- 6. Pull the extractor chamber in the direction shown by the arrow and remove it.
- 7. Install in the reverse order of removal.

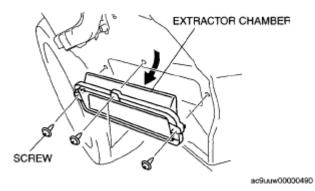


Fig. 39: Identifying Extractor Chamber Screw Courtesy of MAZDA MOTORS CORP.