

# Body (Interior & Exterior)

GENERAL .....	BD - 2
EXTERIOR .....	BD - 7
INTERIOR .....	BD -20
BUMPER .....	BD -33
SEAT .....	BD -37

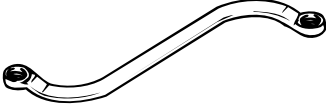

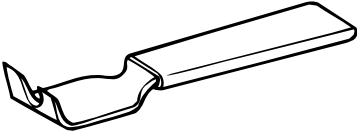
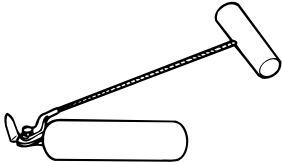
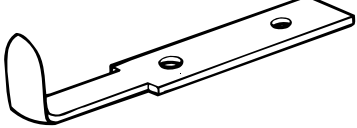
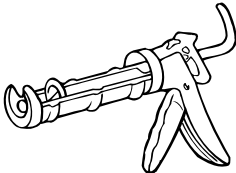
**GENERAL****SPECIFICATIONS** ESTC0010

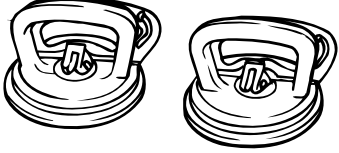
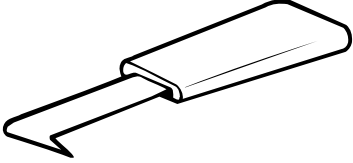
Hood Type	Rear hinged, front opening type
Front door Construction Regulator system Locking system	Front hinged, full door construction Wire drum type Pin-fork system
Rear door Construction Regulator system Locking system	Front hinged, full door construction Single arm type Pin-fork system
Tailgate Type	Inner hinged, gas lifter type
Glass thickness mm (in.) Windshield glass Front window glass Rear fixed glass Rear window glass Tailgate window glass	Laminated clear, tinted 5 (0.20) 3.2 (0.13) 3.2 (0.13) 3.2 (0.13) 3.2 (0.13)
Seat belt Front and outboard rear side Rear center	3 point type with E.L.R. (Emergency Locking Retractor) 2 point type with static

## TIGHTENING TORQUE ESTC0020

	Nm	kg.cm	lb.ft
Front and rear doors			
Strike to body	9-14	90-140	6.5-10
Door hinge to body	34-42	340-420	24.5-30
Door hinge to door	13-26	130-260	9-19
Tailgate			
Tailgate hinge to body	7-9	70-90	5-6.5
Tailgate hinge to tailgate	7-9	70-90	5-6.5
Tailgate latch to tailgate	7-11	70-110	5-8
Gas lifter ball joint mounting bolts	22-27	220-270	16-19.5
Gas lifter mounting bolts	7-9	70-90	5-6.5
Hood			
Hood hinge to body	22-27	220-270	16-19.5
Hood hinge to hood	22-27	220-270	16-19.5
Hood latch to body	7-11	70-110	5-8.0
Seat			
Front seat to floor bolt	35-55	350-550	25.3-40
Front seat mounting nuts	24-36	240-360	18-26
Rear seat back mounting bolts	17-26	170-260	12-19
Rear seat cushion mounting bolts	17-26	170-260	12-19
Seat belt			
Front seat belt buckle	40-55	400-550	29-40
Front seat belt upper anchor	40-55	400-550	29-40
Front seat belt retractor to center pillar	40-55	400-550	29-40
Front seat belt height adjuster	40-55	400-550	29-40
Rear seat belt anchor attaching bolt	40-55	400-550	29-40
Rear seat belt retractor mounting bolt	40-55	400-550	29-40

**SPECIAL TOOLS** ESTC0040

Tool (Number and name)	Illustration	Use
09793-21000 Door hinge adjusting wrench	 <p style="text-align: right;">ESDA010A</p>	Adjustment, removal and installation of the door hinge
09800-21000 Ornament remover	 <p style="text-align: right;">ESDA010B</p>	Trim removal
09853-31000 Headliner clip remover	 <p style="text-align: right;">ESDA010C</p>	Removal of the headliner clips
09861-31100 Sealant cut-out tool	 <p style="text-align: right;">ESDA010D</p>	Cutting the sealant of the windshield (use with 09861-31200)
09861-31200 Sealant cutting blade	 <p style="text-align: right;">ESDA010E</p>	Cutting the sealant of the windshield (use with 09861-31100)
09861-31300 Sealant gun	 <p style="text-align: right;">ESDA010F</p>	Application of the sealant to the windshield

Tool (Number and name)	Illustration	Use
09861-31400 Glass holder	 <p style="text-align: right; margin-right: 50px;">ESDA010G</p>	Removal and installation of the windshield
09861-31000 Windshield moulding remover	 <p style="text-align: right; margin-right: 50px;">ESDA010H</p>	Removal of the windshield moulding

## TROUBLESHOOTING

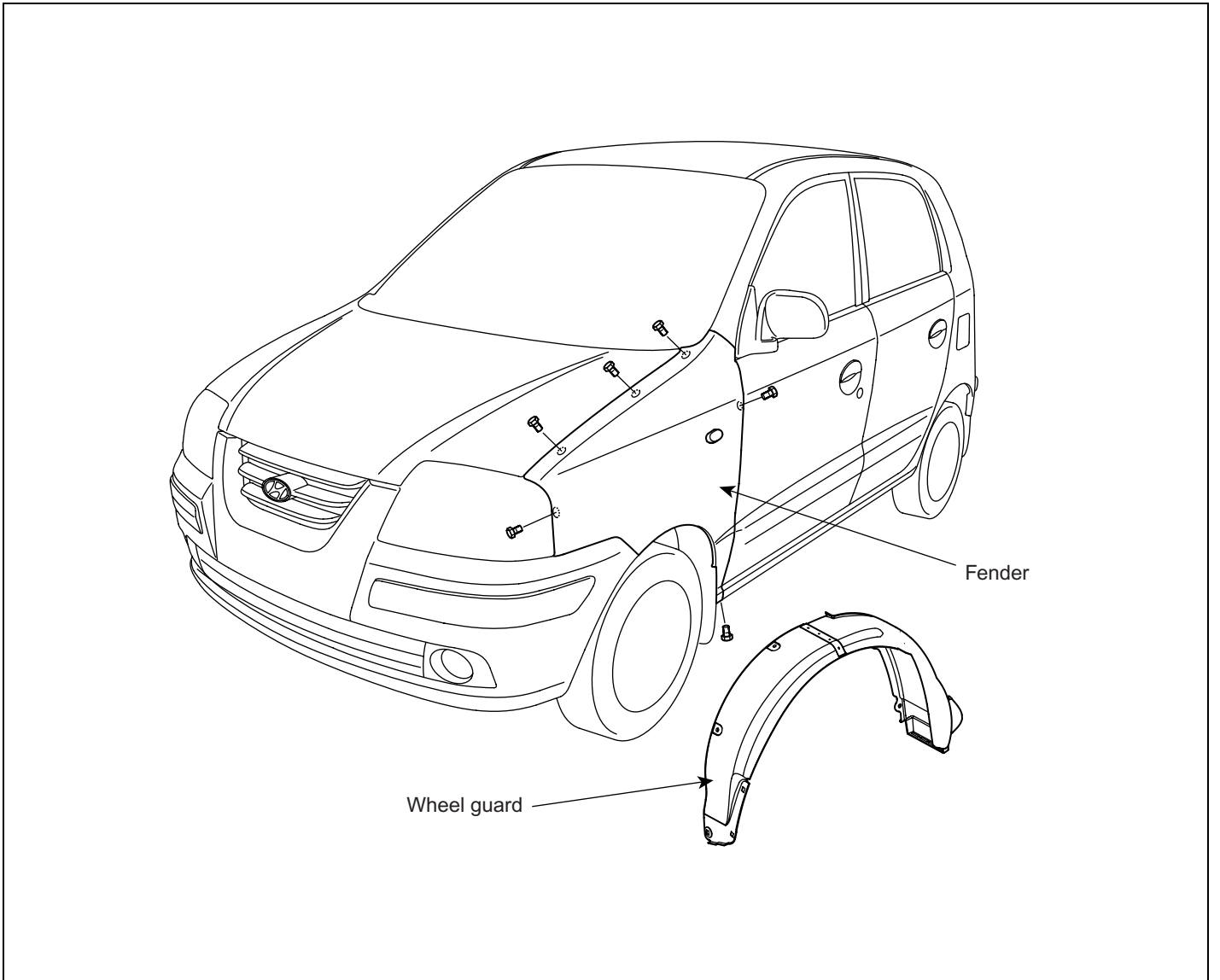
ESTC0060

Symptom	Probable cause	Remedy
Wind noise around door	Weatherstrip not holding firmly Improperly installed weatherstrip Improperly closed door Improperly fitting door Improper clearance between door glass and division channel Deformed door	Adjust fit of door Repair or replace Adjust Adjust Adjust Repair or replace
Wind noise	Loose or deformed deflector	Retighten or replace
Door glass fails to operate up or down	Incorrect window glass installation Damaged or faulty regulator arm or regulator	Adjust position Correct or replace
Door does not open or close completely	Incorrect door installation Defective door checker Door hinge require grease	Adjust position Correct or replace Apply grease
Hood does not open or close completely	Striker and latch not properly aligned Incorrect installed hood Incorrect hood bumper height	Adjust Adjust Adjust
Water leak through windshield and rear window	Defective seal Defective flange	Fill with sealant Correct

# EXTERIOR

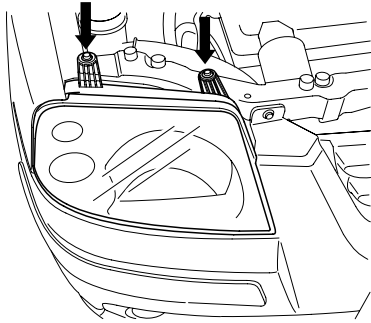
## FENDER

### COMPONENTS ESTE0100



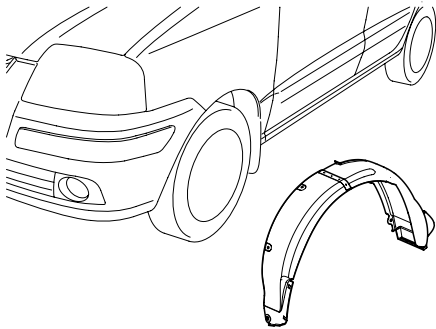
**REMOVAL** ESTE0270

1. Remove the head lamp.



ESTE027A

2. Remove the wheel guard and side repeater.

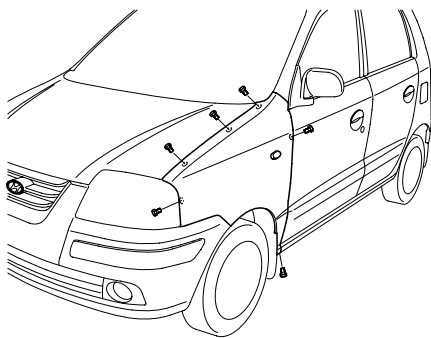


ESTE015B

3. Remove the fender mounting bolts.



*Be careful not to damage paint.*



ESTE015C

4. Installation is the reverse of removal.

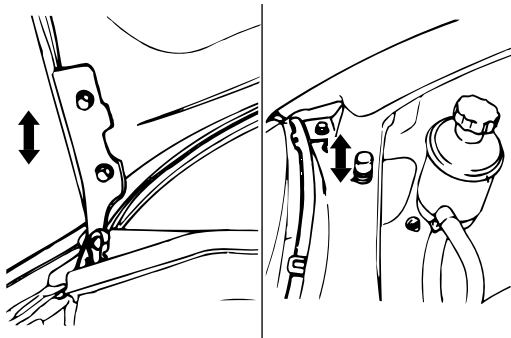


## HOOD

### ADJUSTMENT ESTC0200

#### HOOD HINGE

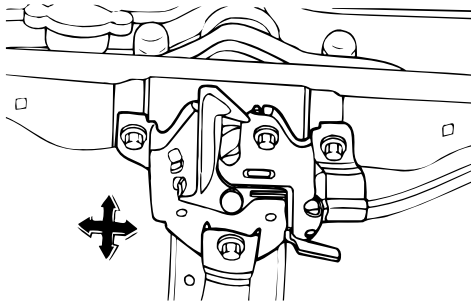
1. Loosen the hood hinge mounting bolt.
2. Adjust the longitudinal and lateral positions of the hood by utilizing the holes in the hinge.
3. Adjust front edge of hood in vertical direction by adjusting the overslam bumpers.



ESTC020A

#### HOOD LATCH

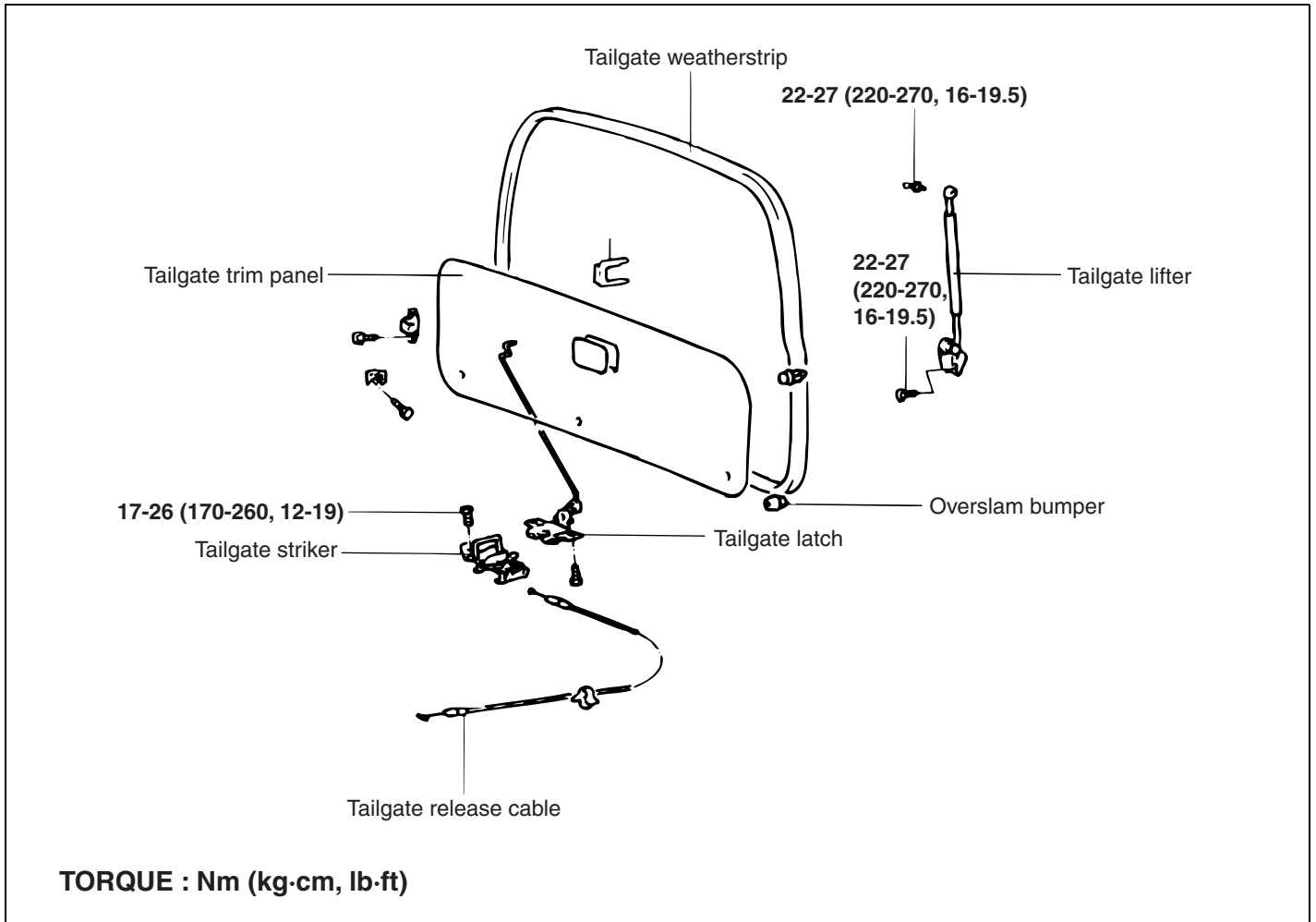
1. Loosen the hood latch mounting bolts.
2. Adjust the alignment of the hood latch by adjusting the longitudinal and lateral position of the latch, and by adjusting the height of the hood.



ESTC020B

# TAIL GATE

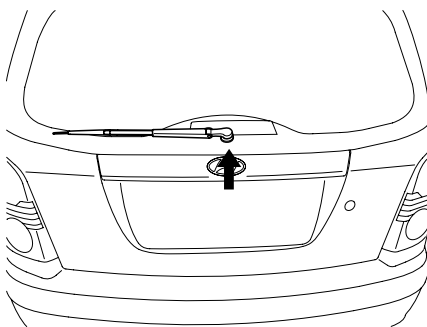
## COMPONENTS ESTC0250



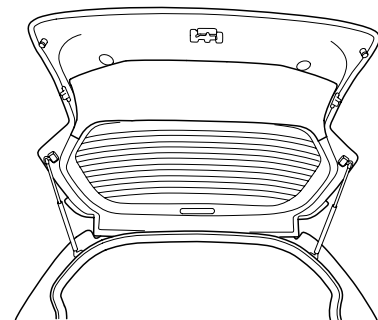
ESTC025A

## REMOVAL AND INSTALLATION ESTE0350

1. Remove the rear wiper arm.



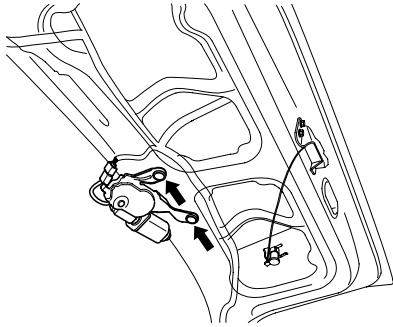
ESTE030A



ESTE200A

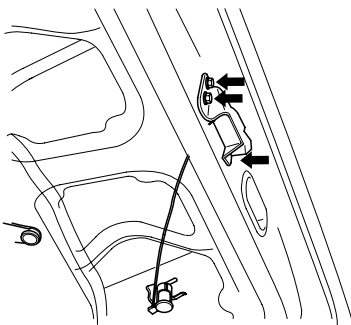
2. Insert a trim panel remover between the trim fasteners and the tailgate trim panel to pry off.

3. From the interior, remove the rear wiper motor.



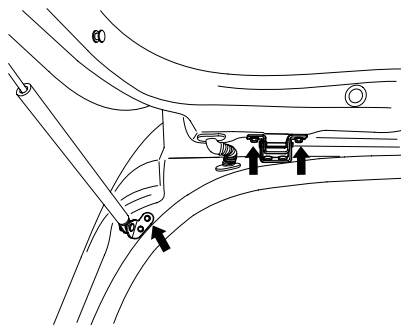
ESTE035B

4. Remove the tailgate latch and the key cylinder.



ESTE035D

5. Remove the tailgate struts and then loosen the bolts holding the tailgate hinge.

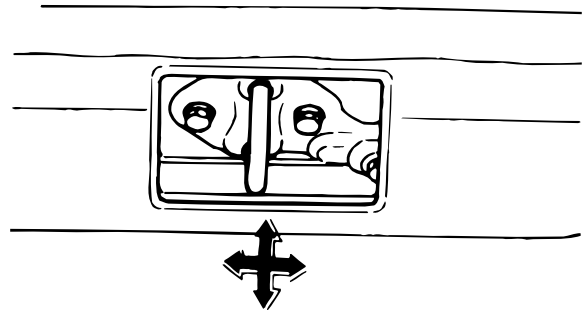


ESTE035C

6. Remove the tailgate.
7. Installation is the reverse of removal.

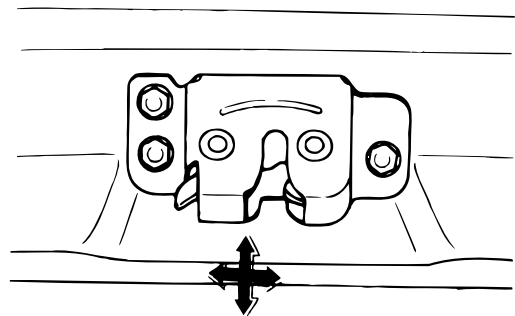
**ADJUSTMENT** ESTC0350

1. If the striker and latch do not match properly, move the striker frontward or leftward or rightward.



ESTC035A

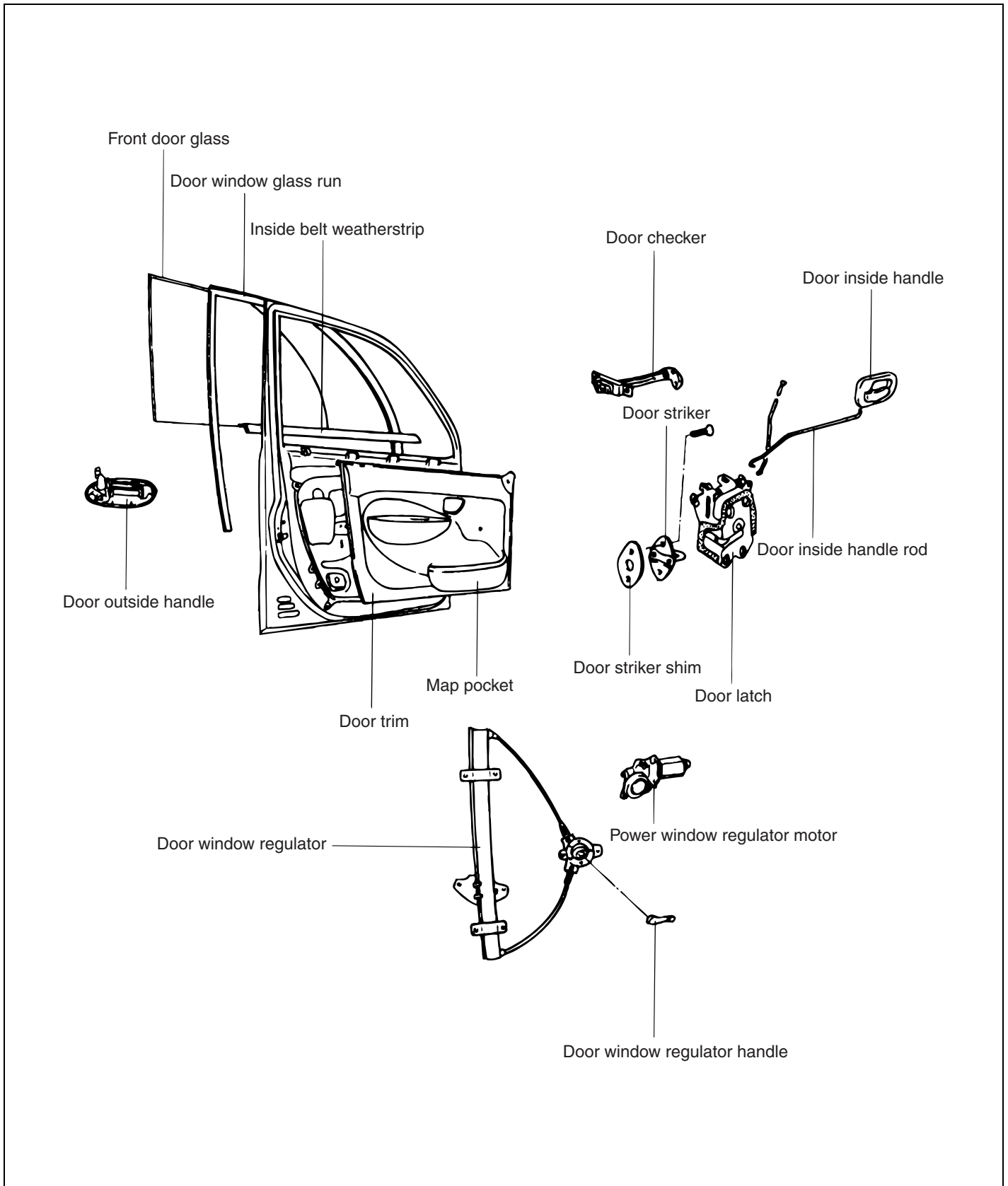
2. If the clearance around the tailgate is not even when the tailgate is closed, move the tailgate hinge frontward or rearward or leftward or rightward.



ESTC035B

# FRONT DOOR

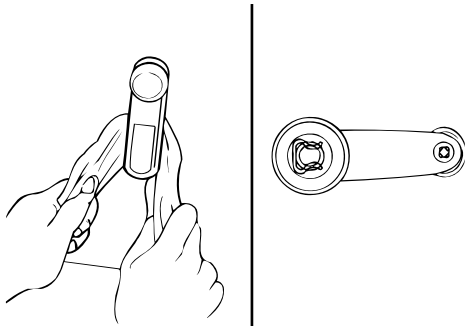
## COMPONENTS ESTC0400



REMOVAL AND INSTALLATION

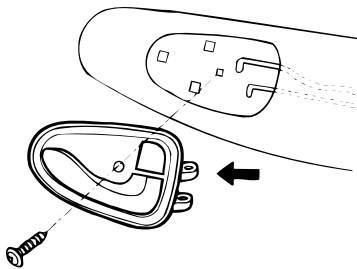
ESTC0450

- Using a piece of cloth remove the door window regulator handle (Manual type only).



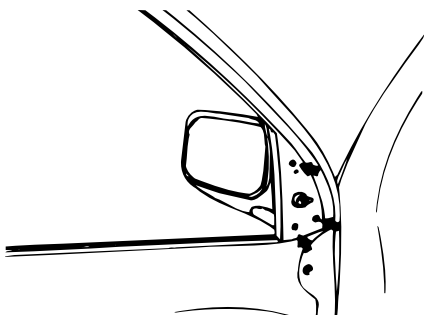
ESDA065L

- Remove the pull handle.
- Loosen the inside handle mounting screw and then push the inside handle toward the door hinge. Separate the inside handle from the door trim.



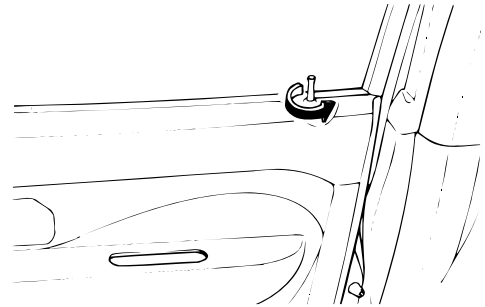
ESDA065A

- Remove the quadrant inner cover and the rear view mirror.



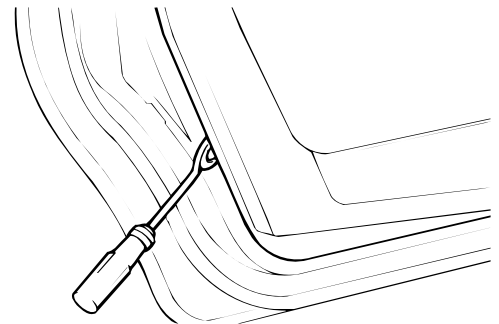
ESTC045A

- Remove the safety lock.



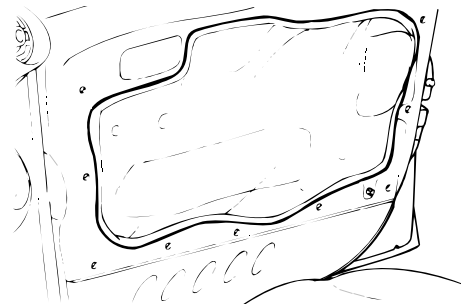
ESTC045B

- Insert a trim panel remover between the trim fasteners and the door trim panel to pry off. Disconnect the electrical connectors.



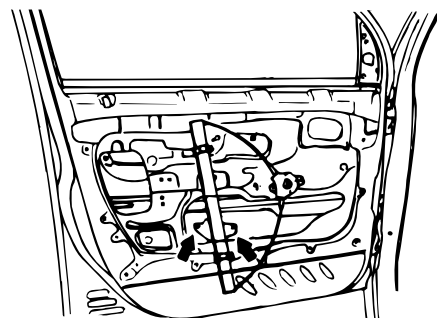
ESHA020D

- Remove the door trim seal and lower the window glass.



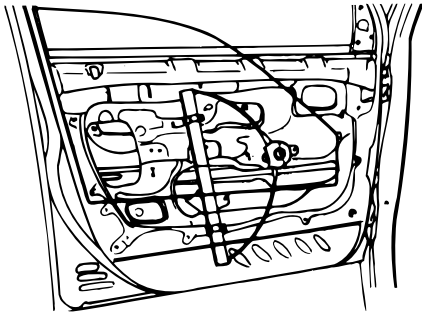
ESTC045C

- Remove the bolts from the door regulator holder.



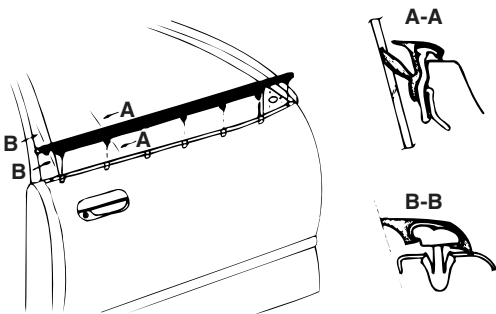
ESTC045D

9. Remove the window glass.



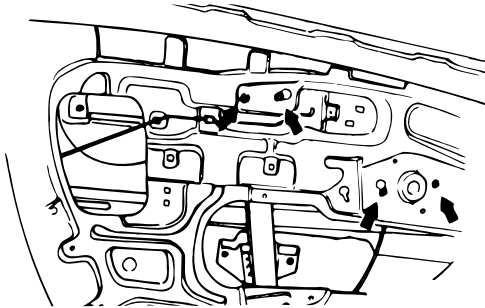
ESTC045E

10. Remove the front door belt outside weatherstrip.



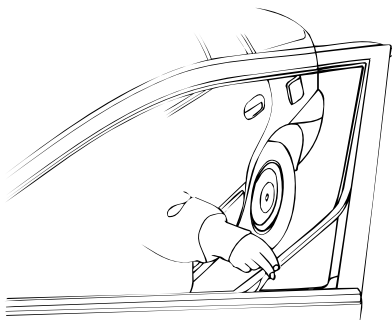
ESTC045F

11. Remove the door regulator channel mounting bolts and then remove the door regulator assembly.



ESTC045G

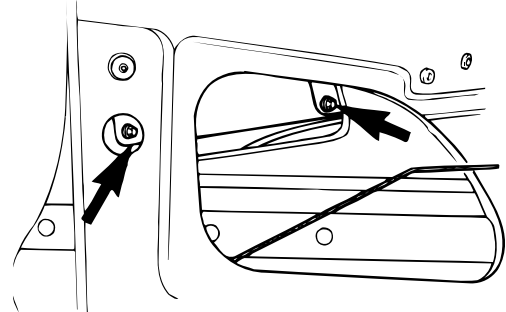
12. Remove the window glass run.



ESDA065K

13. Remove the front safety lock rod and inside handle rod.

14. Remove the door latch and lock actuator and the front door outside handle.



ESTC045H

15. Installation is the reverse of removal. When installing the door trim seal, butyl tape should not be placed over the door trim fastener mounting area.

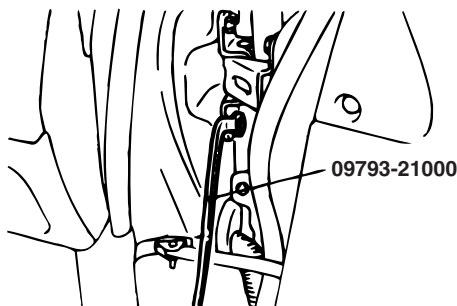
**ADJUSTMENT** ESTC0500**DOOR POSITION**

Check for a flush fit with the body, then check for an equal gap between the front and rear, and top and bottom door edges and body.

The door and body edges should also be parallel. Adjust at the hinge with the Special Tool (09793-21000).

**! CAUTION**

**Attach protective tape to the fender edges where the hinge is installed.**

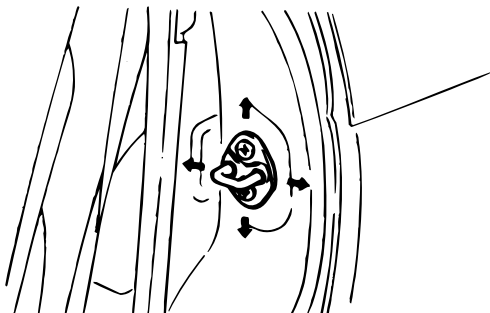


ESTC050A

**DOOR STRIKER**

Make sure the door is not loose and that it latches securely without slamming. If necessary, adjust the door as follows:

1. Draw a line around the striker plate for reference.
2. Loosen the striker screws, and move the striker IN or OUT to make the latch fit tighter or looser. Move the striker UP or DOWN to align it with the latch opening. Then lightly tighten the screws and recheck.



ESTC050B

**NOTE**

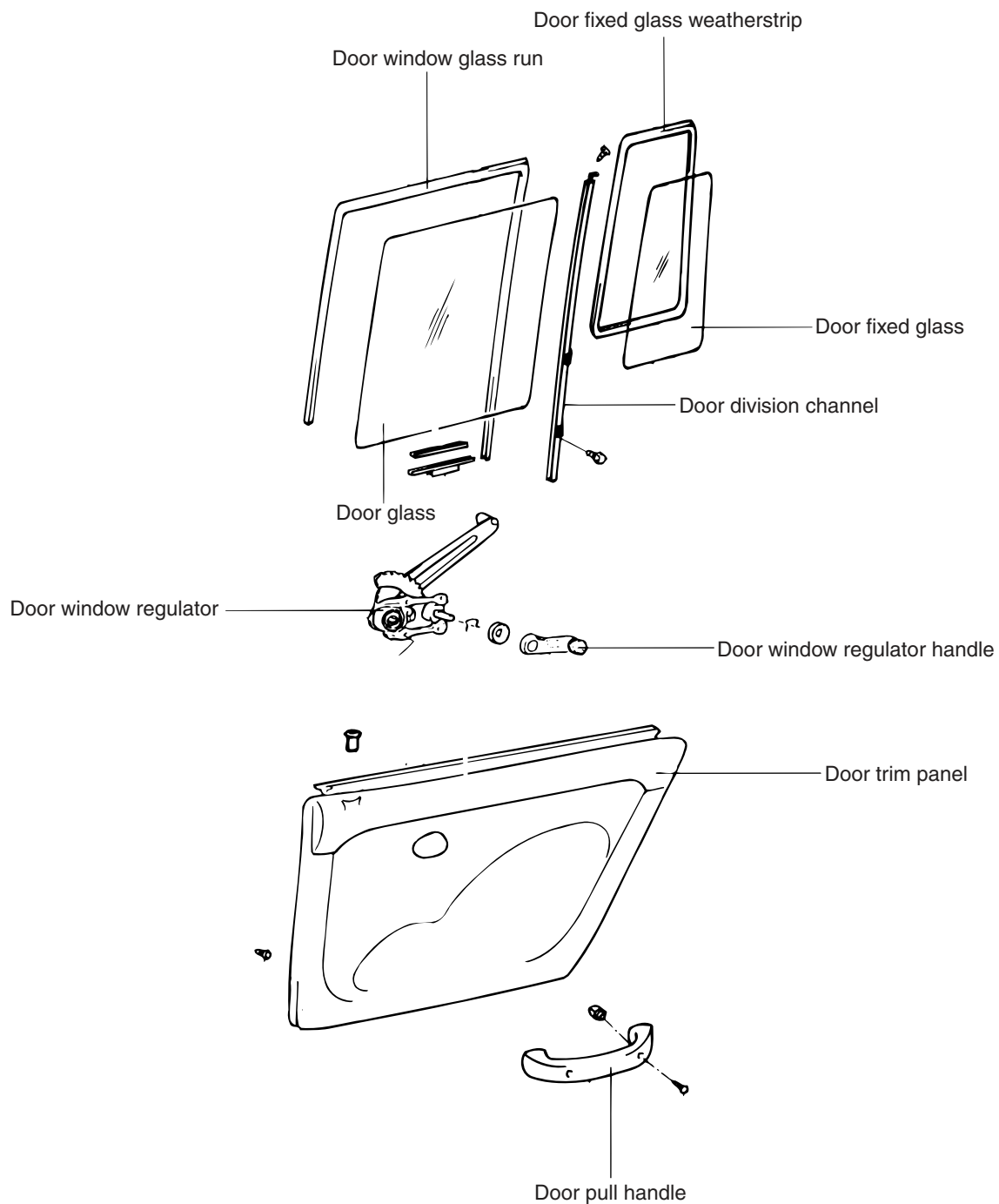
**Hold the outside handle out and push the door against the body to ensure the striker allows a flush fit.**

**GLASS**

If the glass does not fit evenly when closed, adjust the slant of the glass in the front-to-back direction.

# REAR DOOR

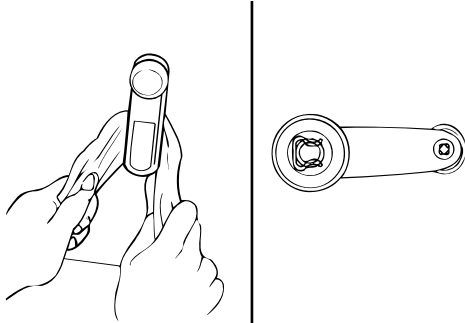
## COMPONENTS ESTC0550





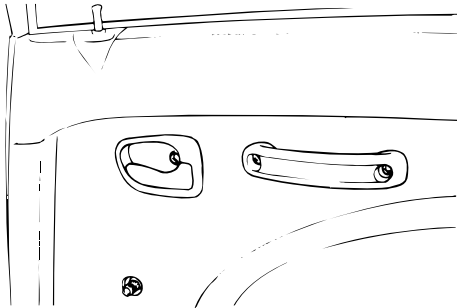
**REMOVAL AND INSTALLATION** ESTC0600

1. Using a piece of cloth, remove the door window regulator handle. (Manual type only)



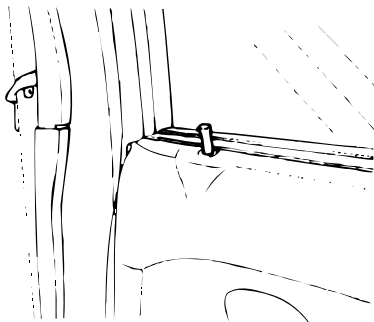
ESDA065L

2. Remove the door pull handle and inside handle.



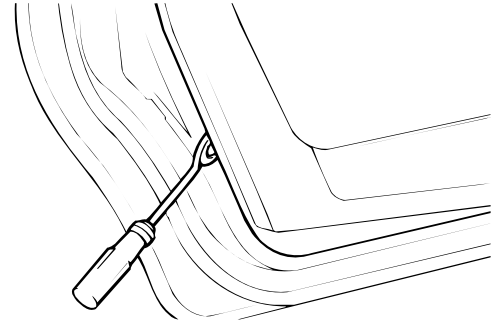
ESTC060A

3. Remove the safety lock rod knob.



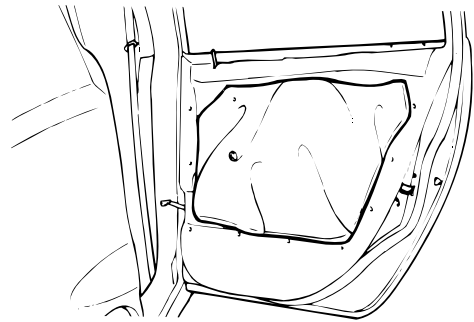
ESTC060B

4. Insert a trim remover between the trim fasteners and the door panel to pry off.



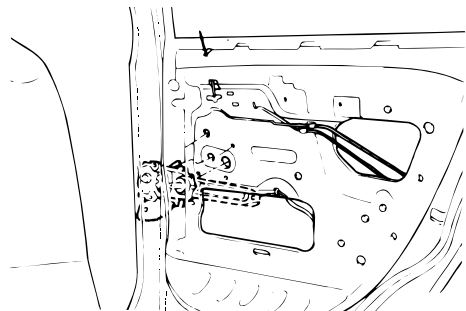
ESHA020D

5. Remove the door trim seal and lower the window glass.



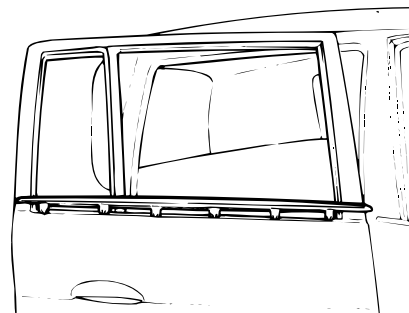
ESTC060C

6. Remove the door window regulator.



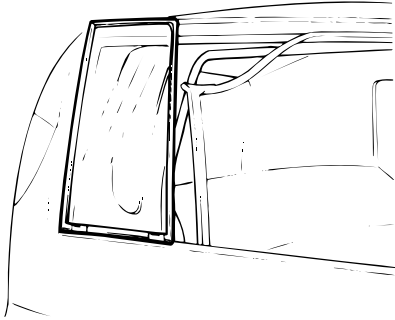
ESTC060D

7. Remove the door belt outside weatherstrip.



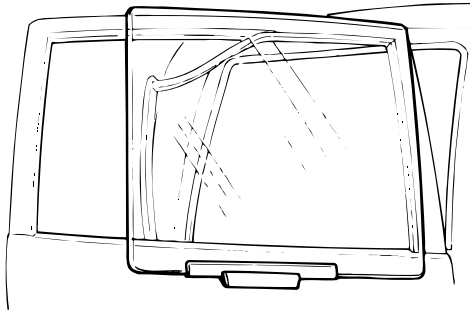
ESTC060E

8. Loosen the door division channel mounting bolts and screw, and remove the rear door fixed glass.



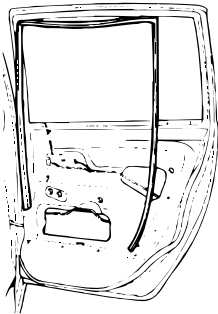
ESTC060F

9. Remove the door glass and door division channel.



ESTC060G

10. Remove the door glass run.



ESTC060H

11. Installation is the reverse of removal.  
When installing the door trim seal, butyl tape should not be placed over the door trim fastener mounting area.

## BODY SIDE MOLDINGS

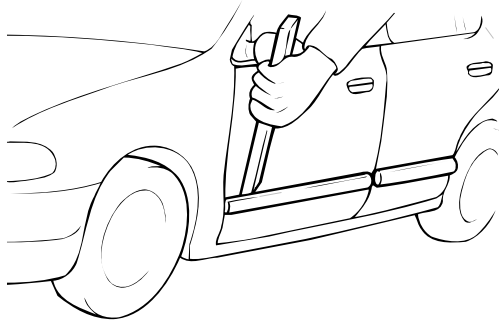
### REMOVAL AND INSTALLATION ESDA1100

#### WAISTLINE MOLDING

1. Beginning from either end, remove the waistline molding using Special Tool (09800-21000) from the front and rear doors.

 **NOTE**

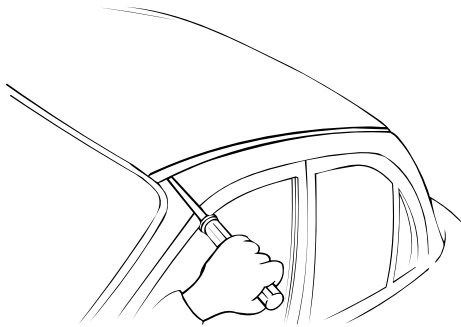
*Take care not to scratch or bend the door moldings.*



ESDA110A

#### ROOF MOLDING

1. Pry up the roof molding with a flat tip screwdriver as shown in the illustration.



ESDA110B

 **NOTE**

*When prying with a flat tip screwdriver, wrap it with protective tape to prevent damage.  
Take care not to scratch the body and roof molding use protective tape on the body.*

2. Pull the roof molding up, then remove the roof molding.
3. Installation is the reverse of the removal.

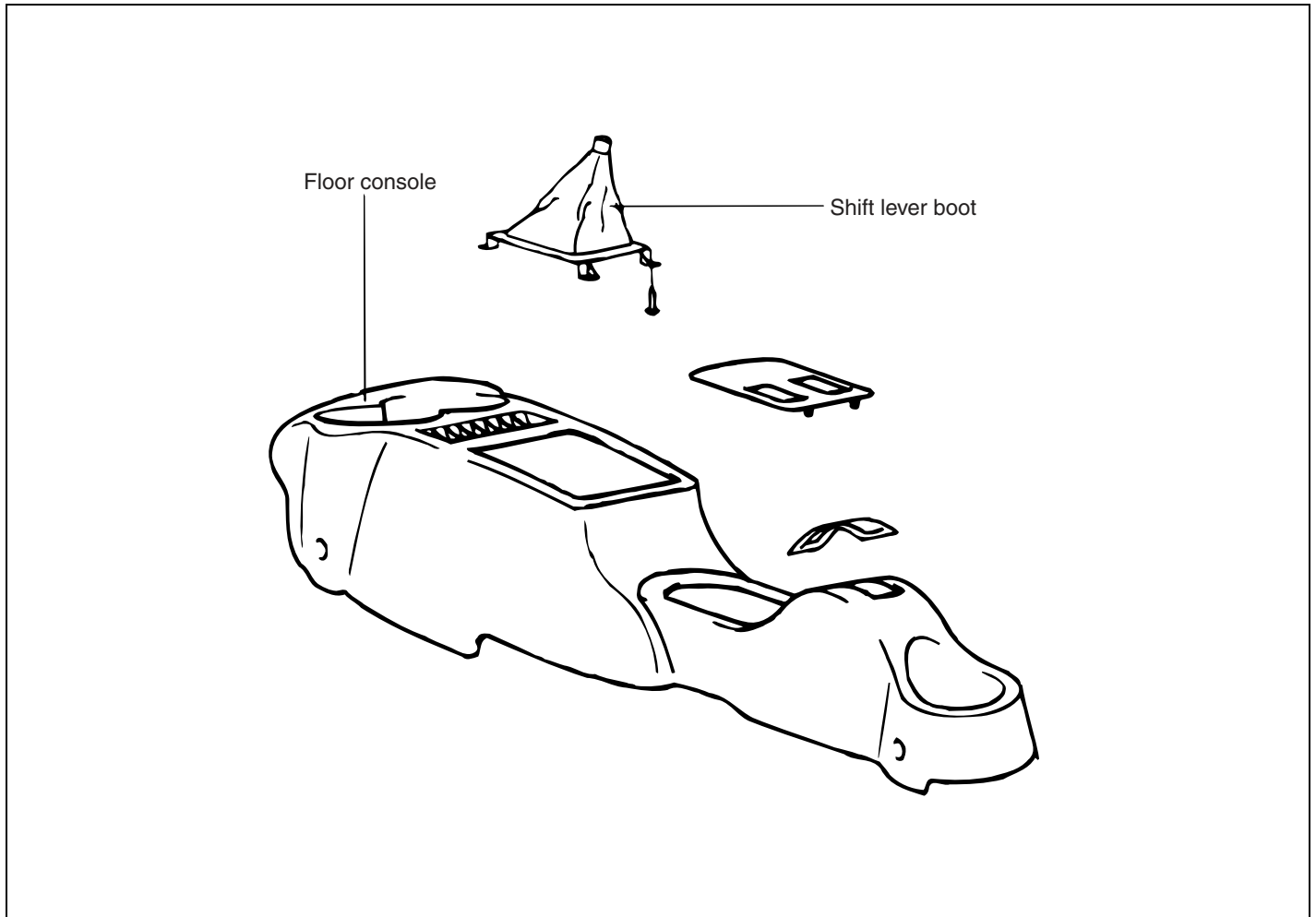
 **NOTE**

*If necessary, replace any damaged clips.*

# INTERIOR

## CONSOLE

### COMPONENTS ESTC0650



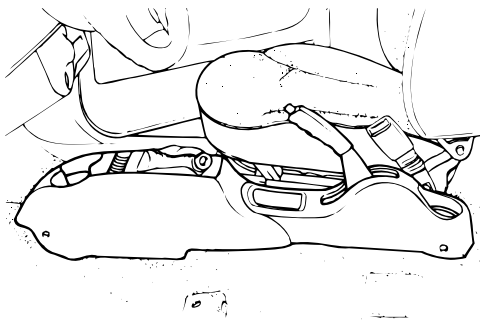
ESTC065A

### REMOVAL AND INSTALLATION ESTC0700

1. Loosen the tapping screws.

2. Loosen the gear shift knob and remove the floor console.

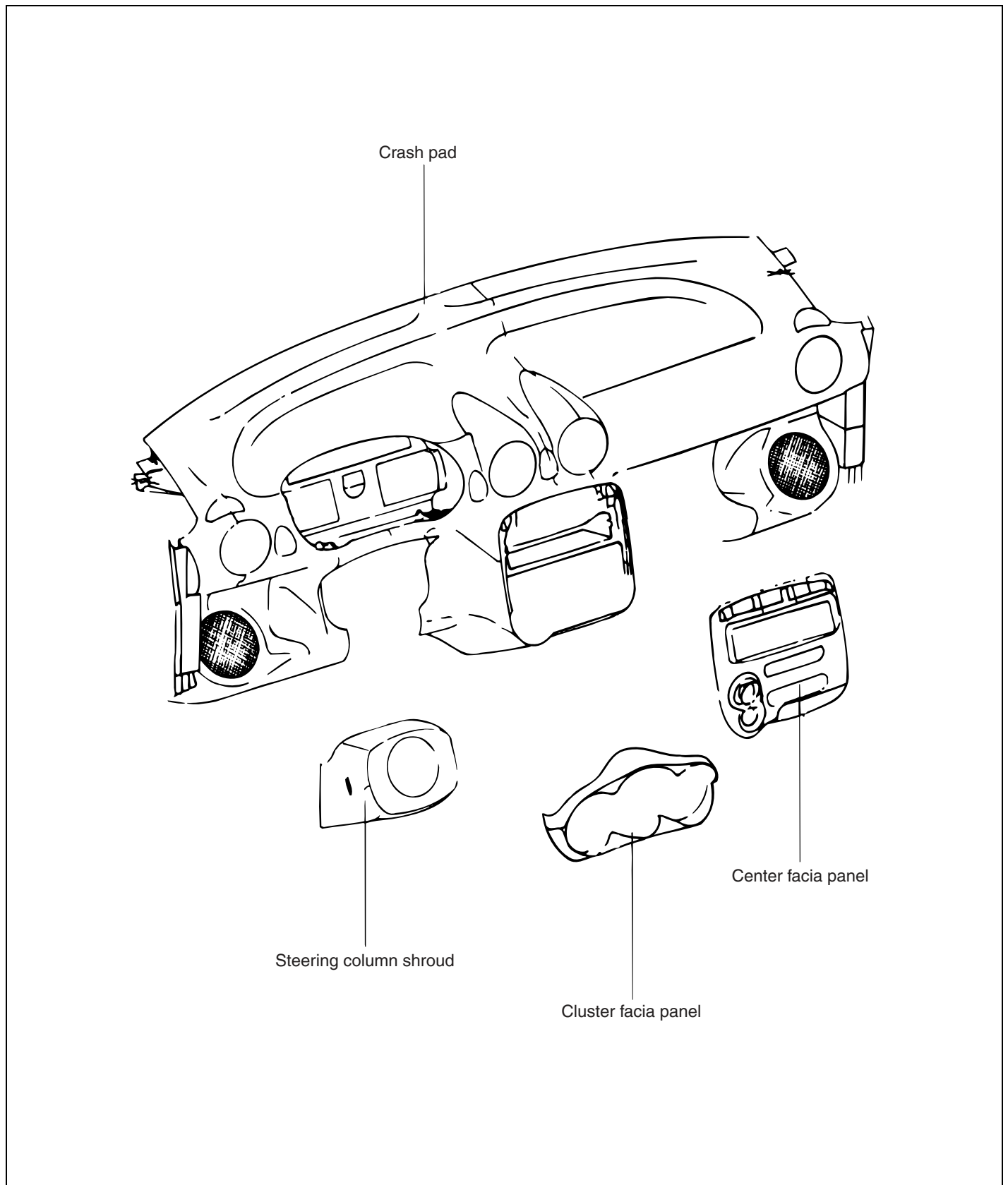
3. Installation is the reverse of removal.



ESTC070A

CRASH PAD

COMPONENTS ESTC0750

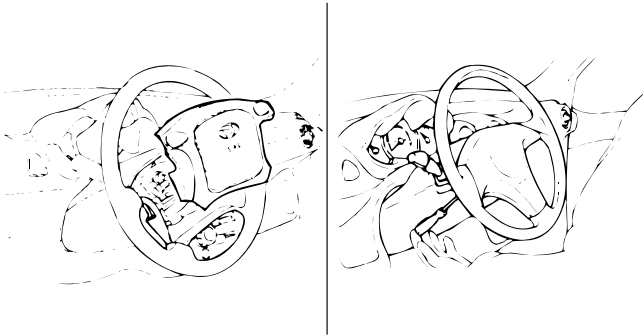


**REMOVAL AND INSTALLATION** ESTC0800

1. Disconnect the negative(-) battery terminal.
2. Remove the airbag module or horn pad and steering wheel.

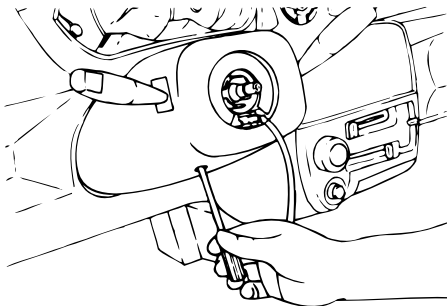
**CAUTION**

*For instructions on the removal of the air bag module, refer to the RT section.*



ESTC080A

3. Remove the steering column shrouds and multifunction switch.



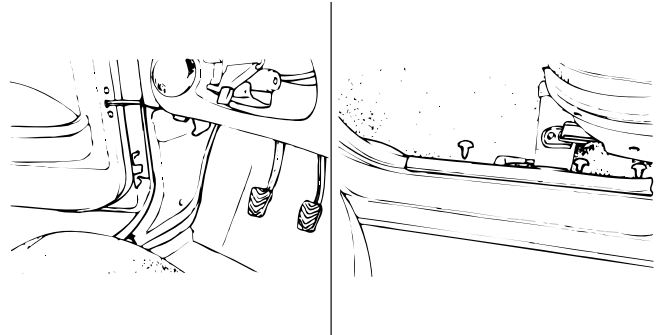
ESTC080C

4. Remove the center facia panel and audio.



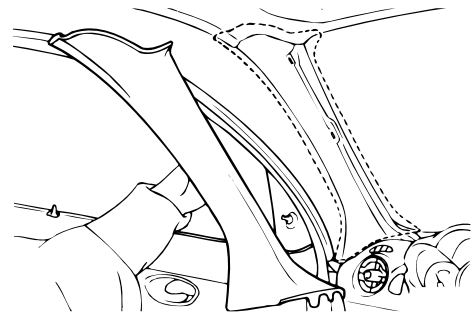
ESTC080F

5. Remove the scuff trim and lower trim.



ESTC080H

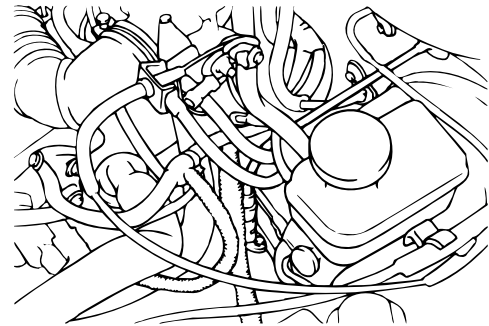
6. Remove the front pillar trim.



ESTC080I

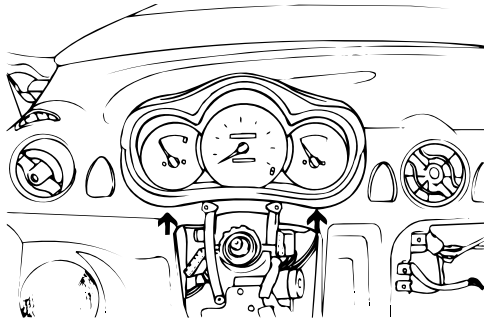
7. Remove the cluster and disconnect the speedometer cable.

- 1) Loosen the speedometer cable in the engine room compartment



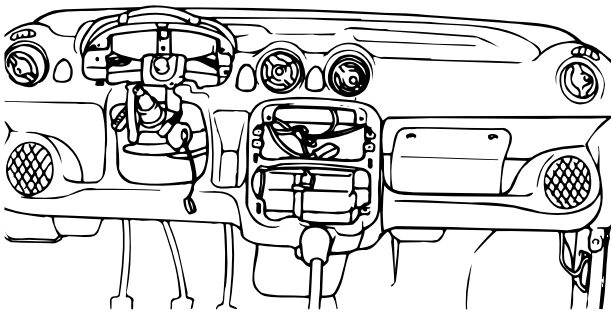
ESTC080K

- 2) Disconnect the speedometer cable in the crash pad.



ESTC080J

8. Remove the crash pad mounting bolts and disconnect the connectors.

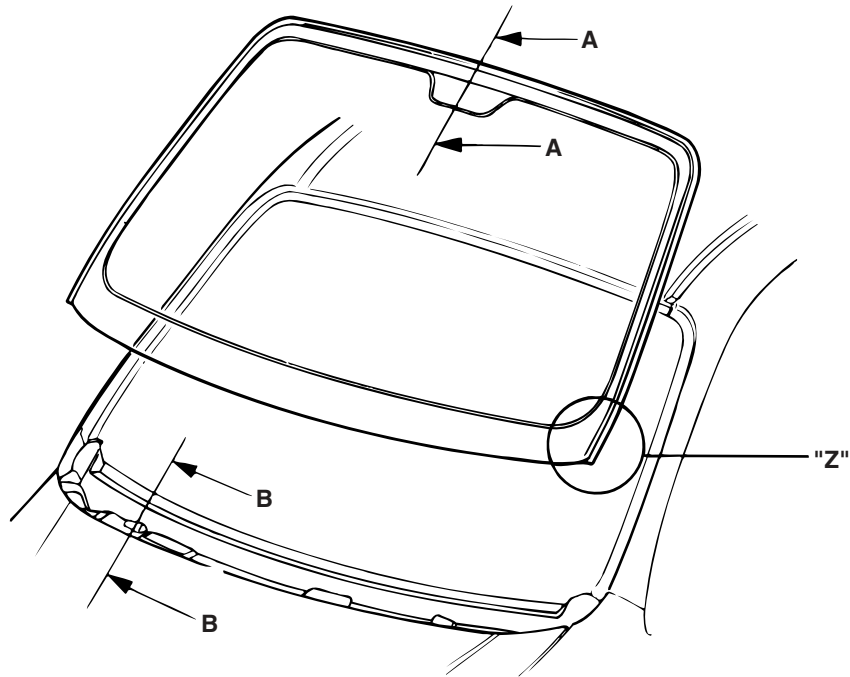


ESTC080L

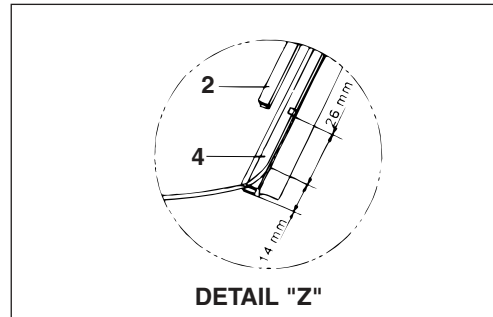
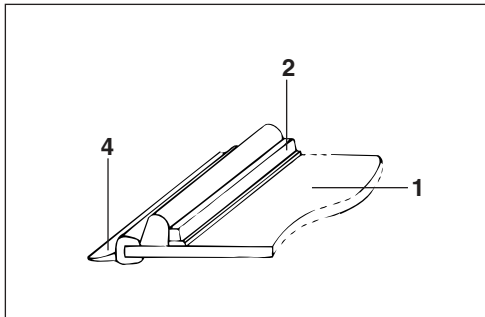
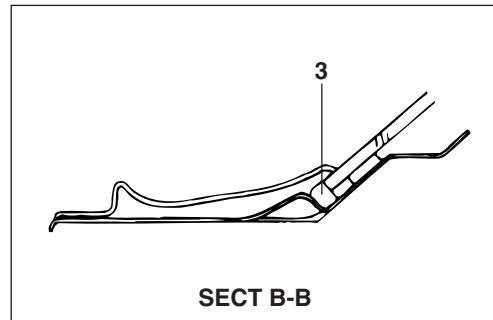
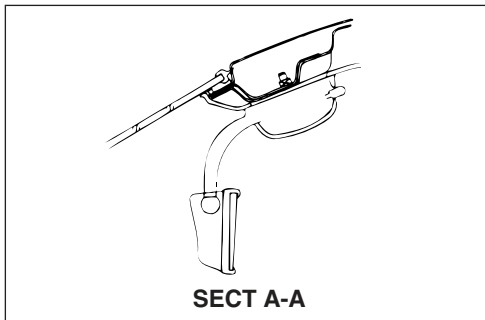
9. Installation is the reverse of removal.

# WINDSHIELD GLASS

## COMPONENTS ESTC0850

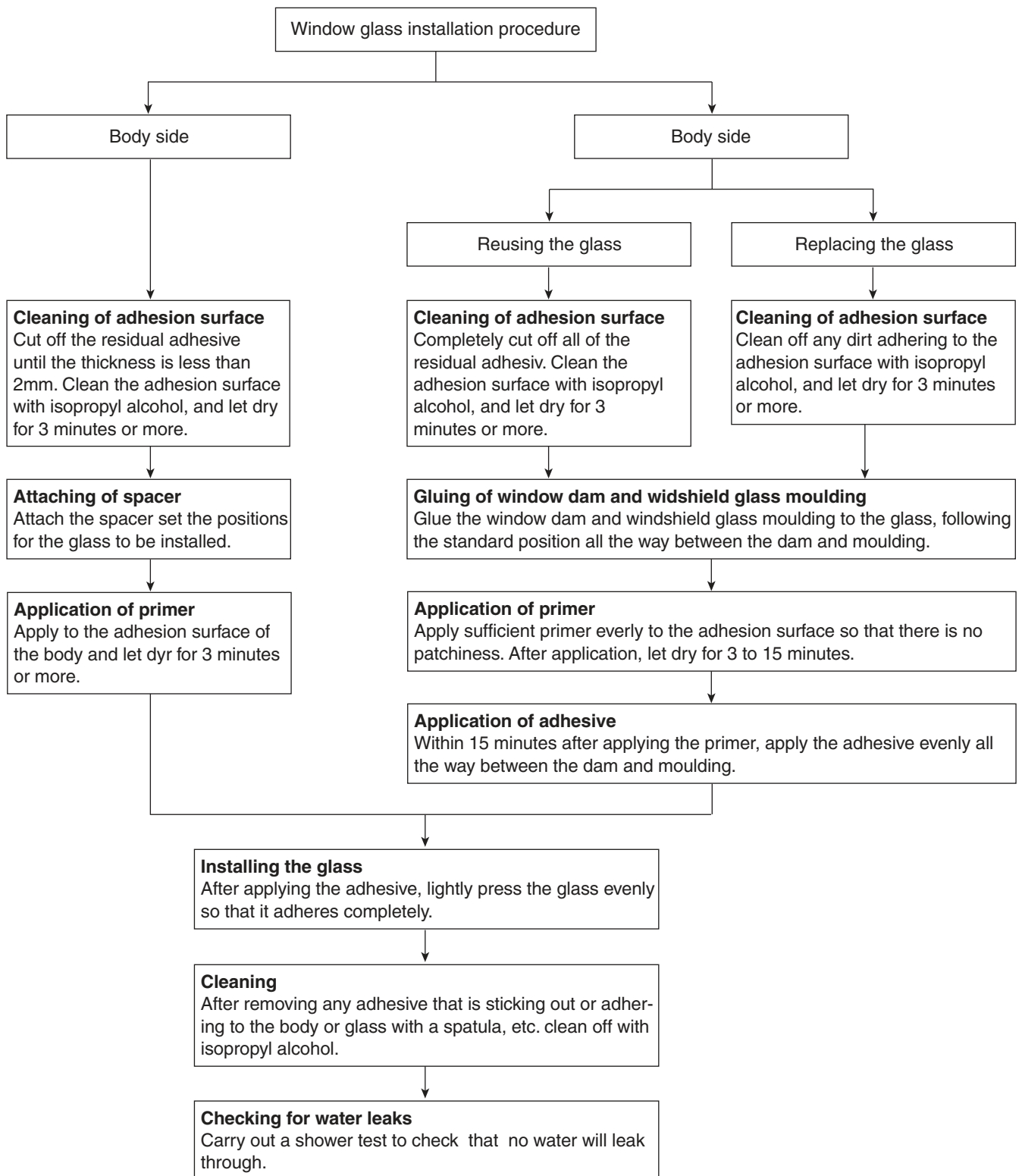


- 1. Windshield glass
- 2. Windshield glass dam
- 3. Windshield glass spacer
- 4. Windshield glass moulding



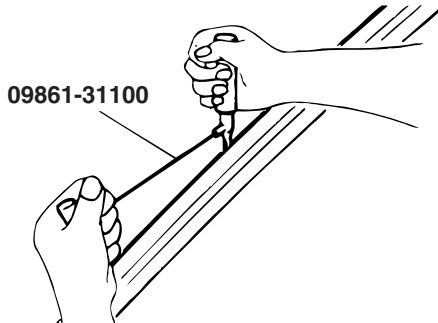


WORKING PROCESS ESTC0900



**REMOVAL** ESTC0950

1. To remove the windshield, first remove the following parts :
  - 1) Front pillar trims
  - 2) Inside rear view mirror
  - 3) Wiper arms
  - 4) Cowl top cover
  - 5) Windshield glass molding
2. Use the Special Tool (09861-31100) to cut through the sealant.

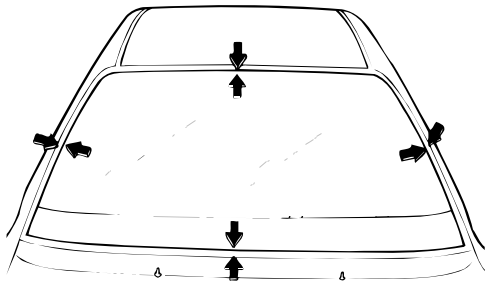


ESDA230B

3. Make mating marks on the glass and body if the glass is to be reinstalled.

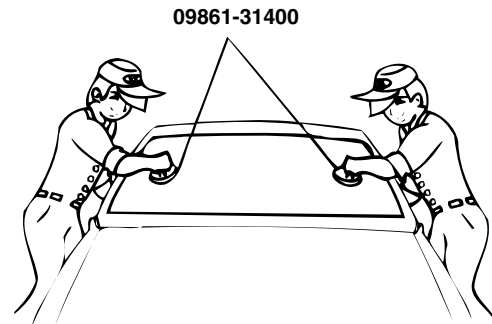
 **NOTE**

*Use chalk or equivalent to make mating marks on the glass and body.*



ESDA230C

4. Take out the windshield glass with Special Tool, Glass Holder.



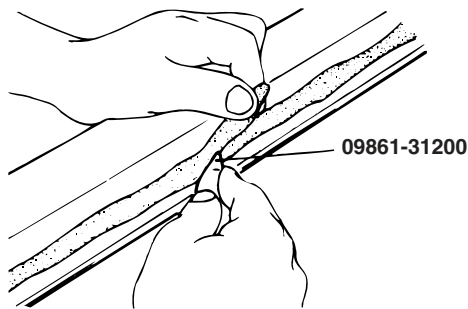
ESDA230D

**INSTALLATION** ESTC1000

- Using a cutter knife or the Special Tool, scrape the old sealant smoothly to a thickness of about 2 mm (0.08 in.) on the bonding surface around the entire windshield flange.

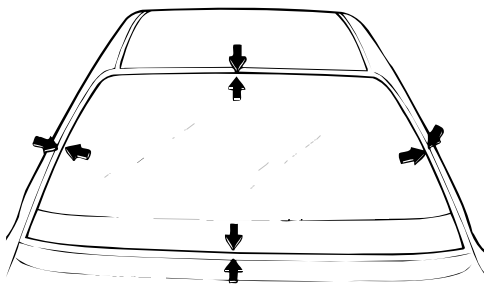
**CAUTION**

*Be careful not to remove more adhesive than necessary, and also not to damage the paintwork on the body surface with the knife. If the paintwork is damaged, repair the damaged area with touch-up paint.*



ESDA235B

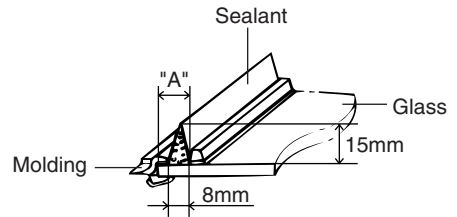
- Clean the body bonding surface with a sponge dampened in alcohol or wax and grease remover.
- Center a new windshield glass in the opening. Mark the location by scribing lines across the glass and body with a grease pencil at the four points as shown.



ESDA235C

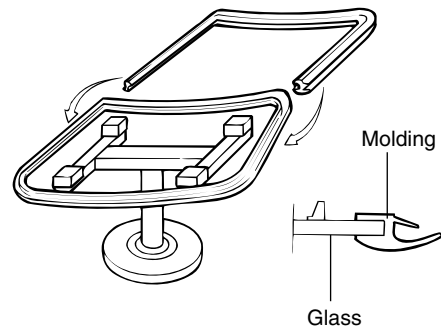
- Glue the rubber dam to the inside surface of the windshield glass around the entire edge as shown, to contain the sealant during installation.

PART	"A"	Remarks
UPPER	12.5mm constant	Glass molding sub
SIDE	12.5mm constant	



ESDA235A

- Install the windshield glass molding without any gaps.

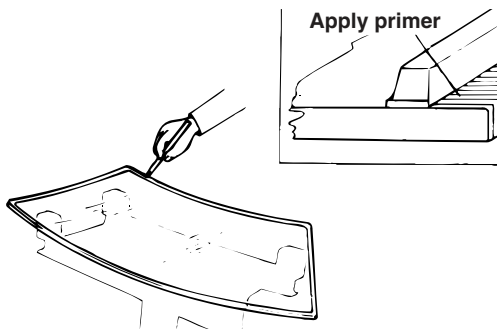


ESDA235D

6. Apply a light coat of glass primer to the outside of the dam.

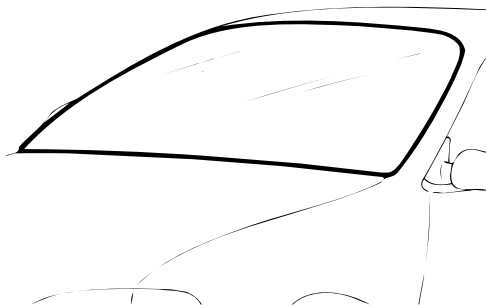
 **NOTE**

1. Never touch the primed surfaces with your hand. If you do, the adhesive may not bond to the glass properly, causing a leak after the windshield glass is installed.
2. Do not apply body primer to the glass.
3. Keep water, dust, and abrasive materials away from the primed surface.



ESDA235E

7. Apply a light coat of body primer to the original sealant remaining around the window opening flange. The glass should be installed 10 minutes after you apply the primer.



ESDA235F

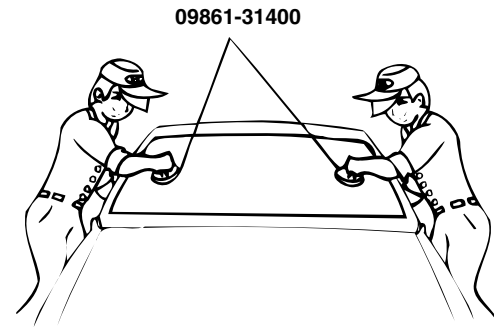
8. Pack adhesive into the cartridge avoiding air pockets, to ensure continuous application. Put the cartridge in a caulking gun or Sealant Gun, and run a bead of adhesive around the edge of the glass.

 **NOTE**

Apply the adhesive within 5 minutes after applying the glass primer.

9. Using suction cups or Special Tool, lower the glass over the opening, align it with the marks made in step 3 and set it down on the sealant.

10. Scrape or wipe excess adhesive off with a putty knife or gauze. Fill all cavities around the windshield glass.

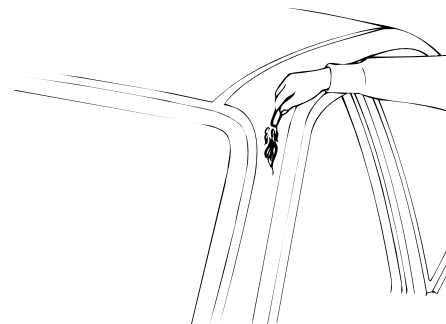


ESDA230D

11. Perform a water-leak test for the windshield. Use a cold water spray, being careful not to direct a powerful stream of water on the new adhesive material. Allow water to spill over the edges of the glass.
12. If there are leaks, dry the affected area, then apply sealant.

 **NOTE**

- Let the car stand for at least four hours after windshield installation. If the car has to be used within the first 8 hours, it must be driven slowly.
- Keep the windshield dry for the first hour after installation.



ESDA235G

13. Install the removed parts.

 **NOTE**

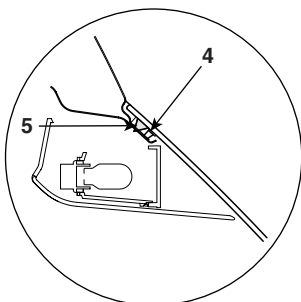
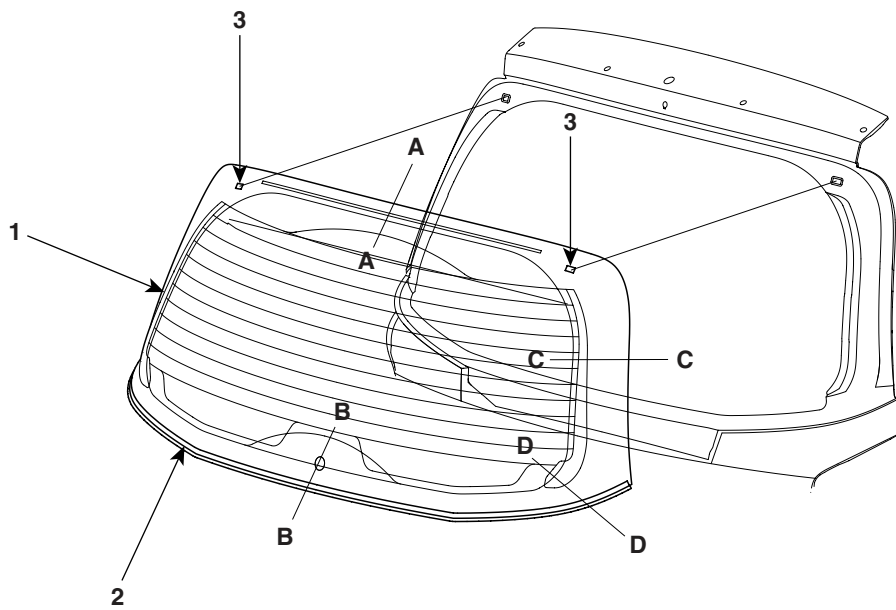
Advise the customer not to do the following things for two to three days :

- Slam the doors with all the windows rolled up.
- Twist the body excessively (such as when going in and out of driveways at an angle or driving over rough, uneven roads).

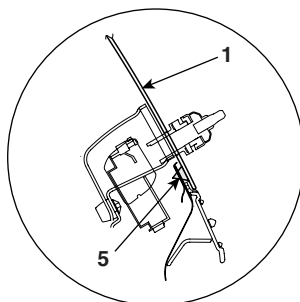
# TAILGATE GLASS

## COMPONENTS

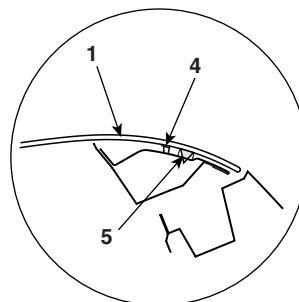
ESTE0500



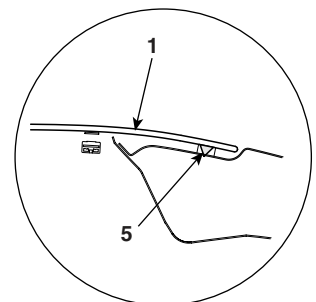
A-A



B-B



C-C

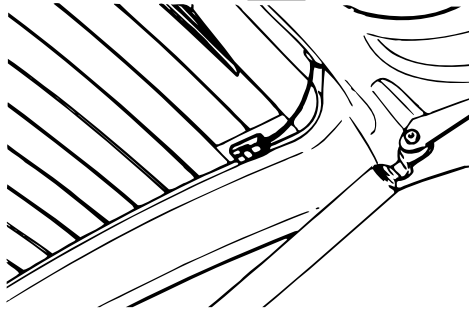


D-D

- 1. Tailgate glass
- 2. Tailgate glass lower moulding
- 3. Fastener
- 4. Tailgate glass dam
- 5. Sealant

**REMOVAL** ESTC1100

1. To remove the tailgate glass, first remove the following parts:
  - 1) Rear wiper arm
  - 2) Defogger wire connector
  - 3) Tailgate trims



ESTC110A

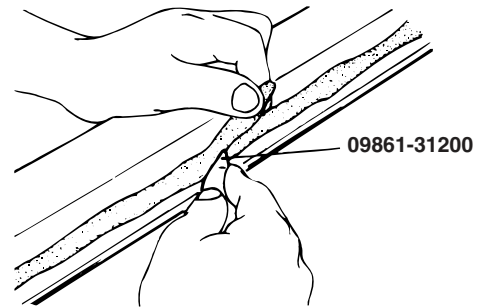
2. Remove the tailgate glass the same as the windshield glass.

**INSTALLATION** ESTC1150

1. Using a cutter knife or the Special Tool, scrape the old sealant smoothly to a thickness of about 2 mm (0.08 in.) on the bonding surface around the entire tailgate glass.

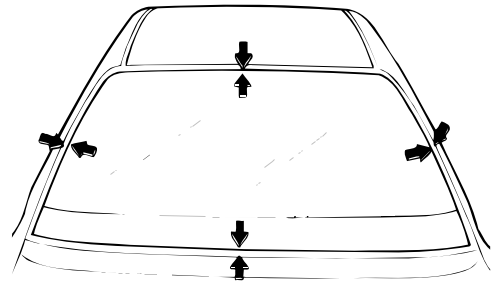
**CAUTION**

*Be careful not to remove more adhesive than necessary, and also not to damage the paintwork on the body surface with the knife. If the paintwork is damaged, repair the damaged area with touch-up paint.*



ESDA235B

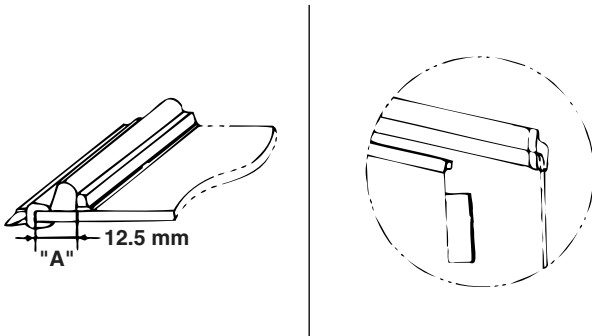
2. Clean the body bonding surface with a sponge dampened in alcohol or wax and grease remover.
3. Center a new tailgate glass in the opening. Mark the location by scribing lines across the glass and body with a grease pencil at the four points as shown.



ESDA235C

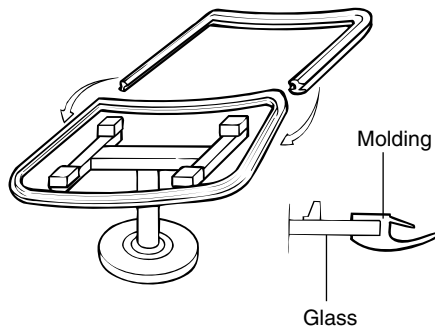
4. Glue the rubber dam to the inside surface of the tailgate glass around the entire edge as shown, to contain the sealant during installation.

PART	"A"	
Upper	12.5mm constant	Glass molding sub
Side	12.5mm constant	



ESTC115B

5. Install the tailgate glass molding without any gaps.

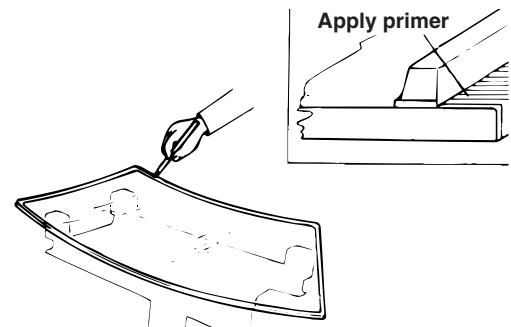


ESDA235D

6. Apply a light coat of glass primer to the outside of the dam.

**NOTE**

1. Never touch the primed surfaces with your hand. If you do, the adhesive may not bond to the glass properly, causing a leak after the tailgate glass is installed.
2. Do not apply body primer to the glass.
3. Keep water, dust, and abrasive materials away from the primed surface.



ESDA235E

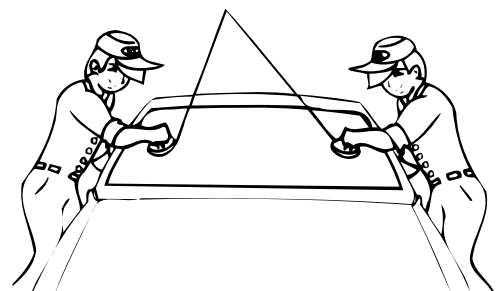
7. Apply a light coat of body primer to the original sealant remaining around the window opening flange. The glass should be installed 10 minutes after you apply the primer.
8. Pack adhesive into the cartridge avoiding air pockets, to ensure continuous application. Put the cartridge in a caulking gun or Sealant Gun, and run a bead of adhesive around the edge of the glass.

**NOTE**

Apply the adhesive within 5 minutes after applying the glass primer.

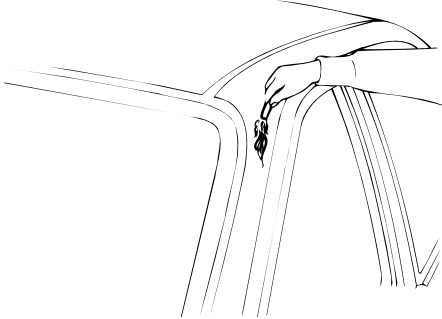
9. Use suction cups or Special Tool, lower the glass over the opening, align it with the marks made in step 3 and set it down on the sealant.
10. Scrape or wipe excess adhesive off with putty knife or gauze. Fill all cavities around the tailgate glass.

09861-31400



ESDA230D

11. Perform a water-leak test for the tailgate glass. Use a cold water spray, being careful not to direct a powerful stream of water on the new adhesive material. Allow water to spill over the edges of the glass.



ESDA235G

12. If there are leaks, dry the affected area, then apply sealant.

**NOTE**

- *Let the car stand for at least four hours after tailgate glass installation. If the car has to be used within the first 8 hours, it must be driven slowly.*
- *Keep the tailgate glass dry for the first hour after installation.*

13. Install the removed parts.

**CAUTION**

**Advise the customer not to do the following things for two to three days :**

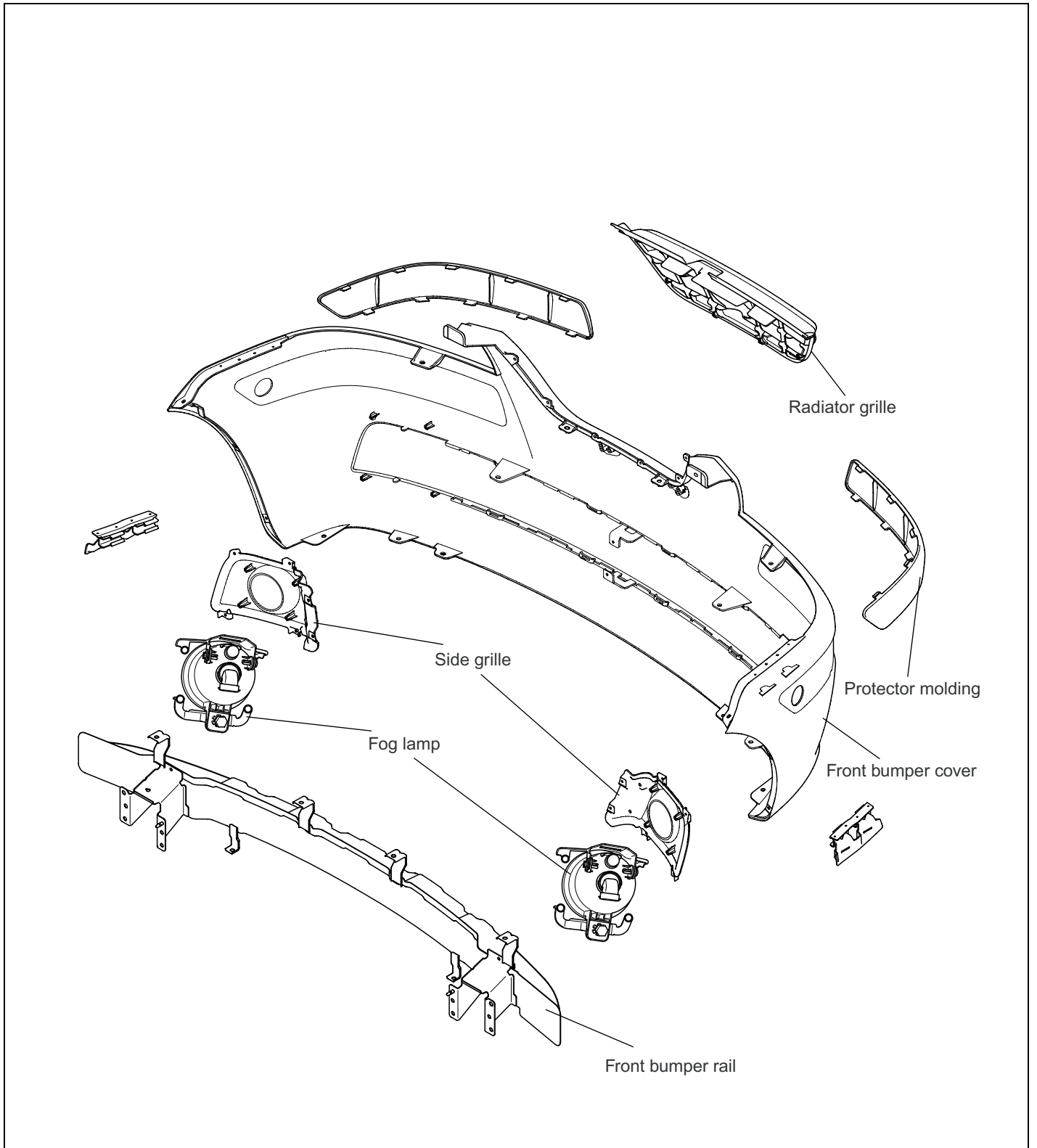
- ***Slam the doors with all the windows rolled up.***
- ***Twist the body excessively (such as when going in and out of driveways at an angle or driving over rough, uneven roads).***



# BUMPER

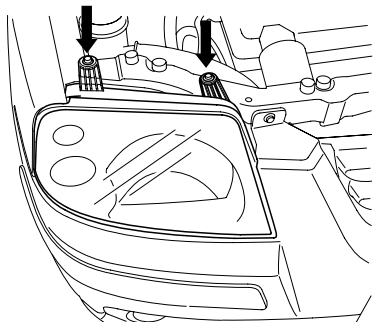
## FRONT BUMPER

### COMPONENTS ESTE0550



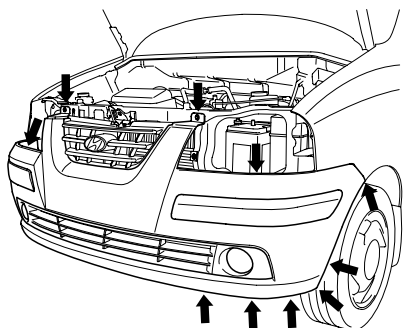
**REMOVAL AND INSTALLATION** ESTE0600

1. Remove the head lamp.



ESTE027A

2. Remove the bumper cover mounting bolts.



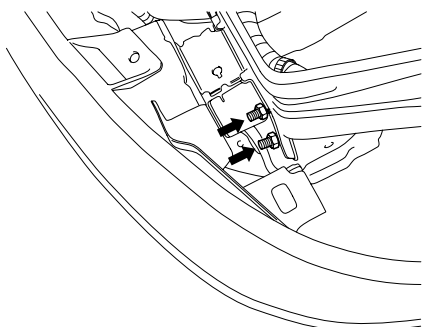
ESTE027B

3. Remove the bumper rail mounting bolts and disconnect the fog lamp connector, then remove the front bumper assembly.

---

Mounting torque :  
17-26 Nm (170-260 kg·cm, 12-19 lb·ft)

---

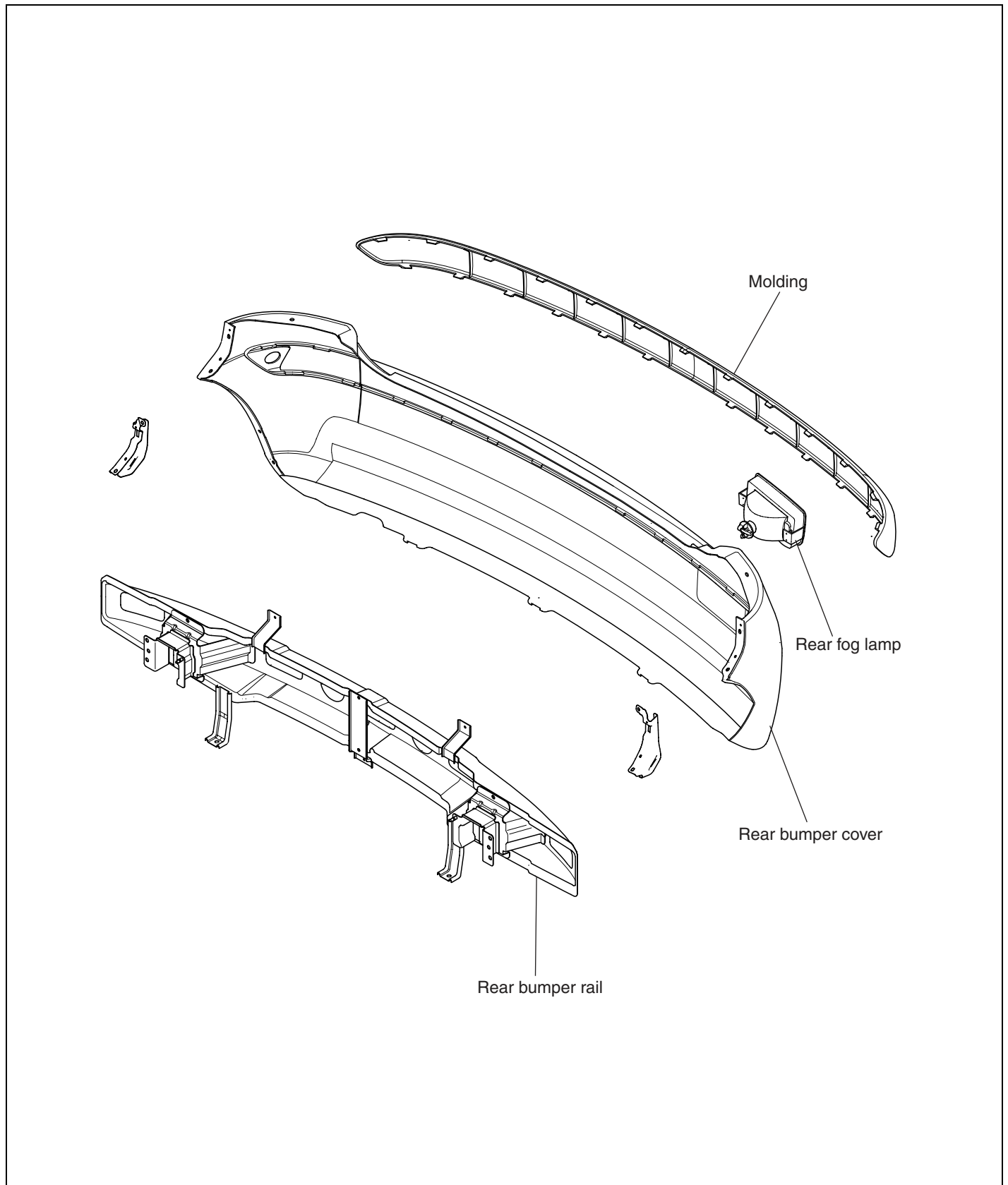


ESTE027C

4. Installation is the reverse of removal.

REAR BUMPER

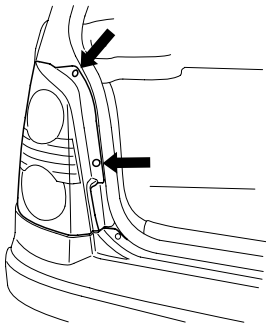
COMPONENTS ESTE0700



**REMOVAL AND INSTALLATION**

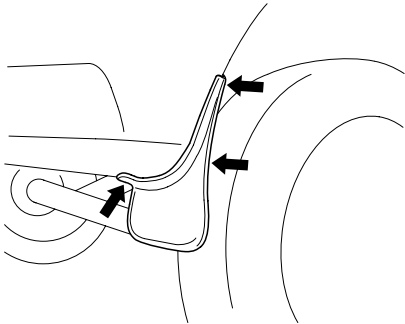
ESTE0750

1. Remove the rear combination lamp.



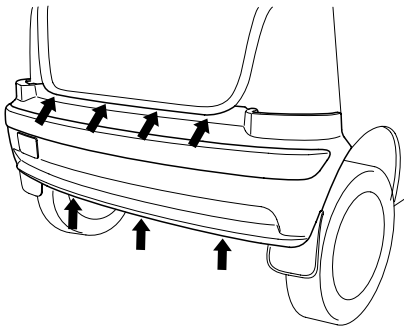
ESTE075A

2. Remove the rear mud guard.



ESTE075B

3. Remove the rear bumper cover mounting screws and clips.



ESTE075C

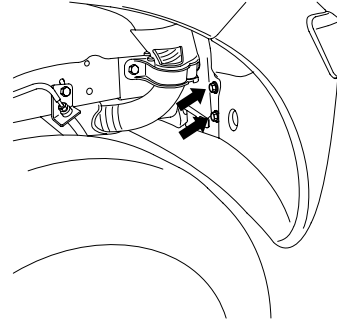
4. Remove the bumper rail mounting bolts.

---

Mounting torque :

17-26 Nm (170-260 kg·cm, 12-19 lb·ft)

---



ESTE075D

5. Remove the rear bumper assembly.

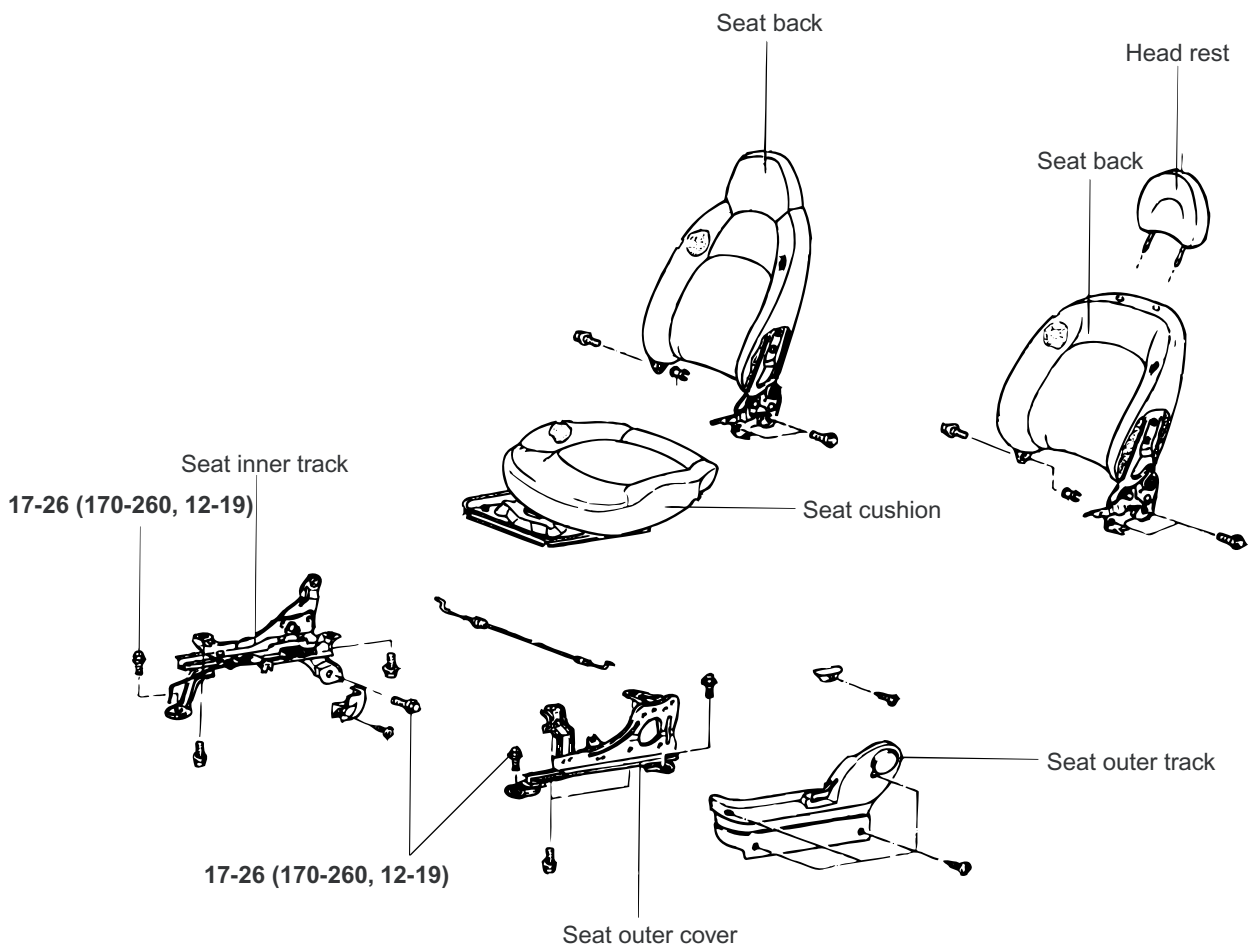
6. Installation is the reverse of removal.

# SEAT

## FRONT SEAT

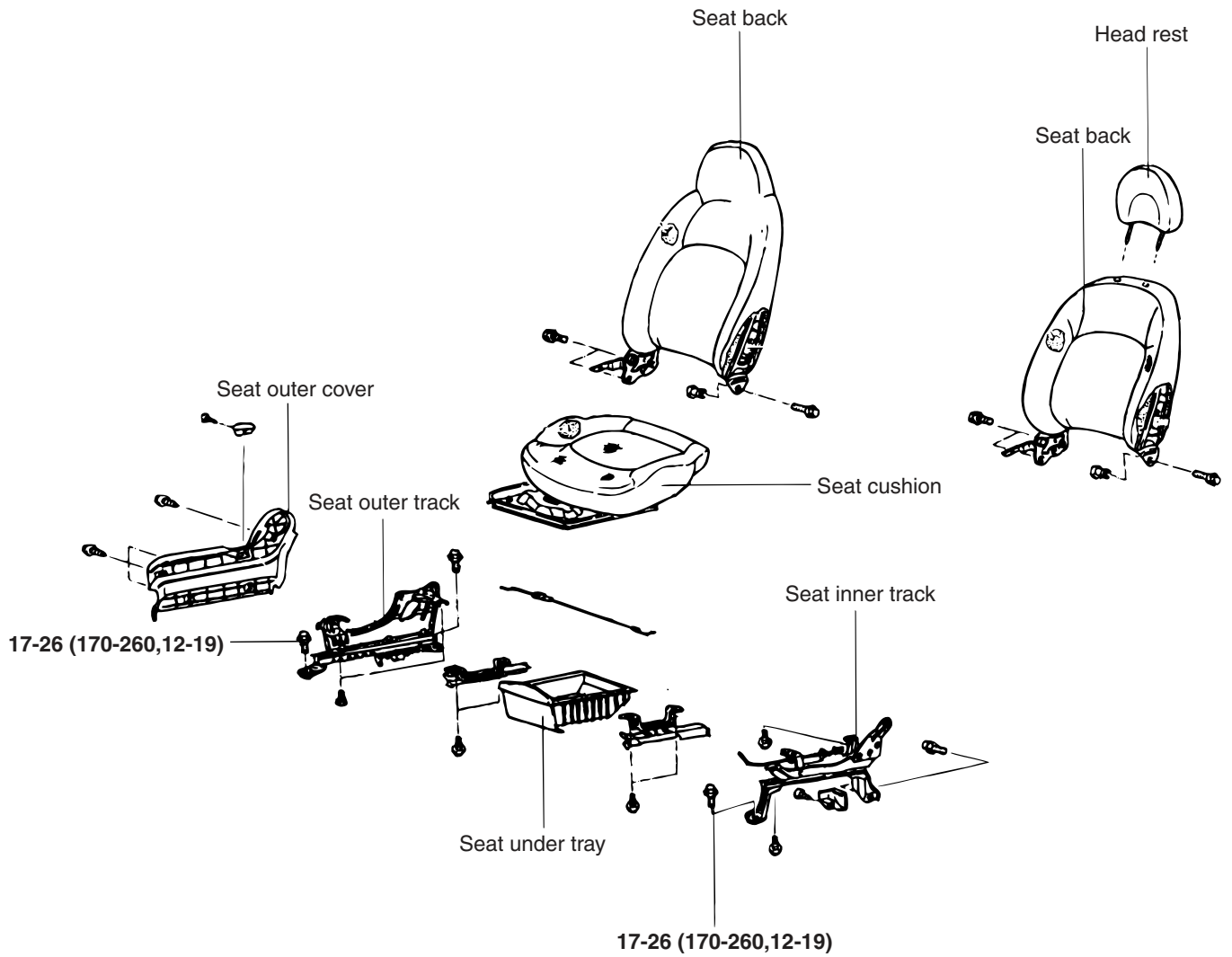
### COMPONENTS ESTC1400

[DRIVER'S SEAT]



TORQUE : Nm (kg·cm, lb·ft)

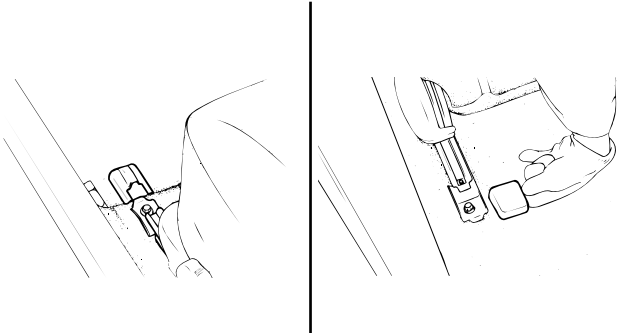
[PASSENGER'S SEAT]



**TORQUE : Nm (kg·cm, lb·ft)**

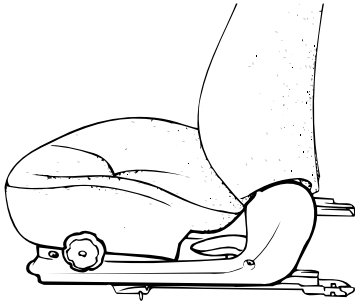
**REMOVAL AND INSTALLATION** ESTC1450

1. Pull out the front seat mounting cover and remove the bolts.



V5BD044A

2. Remove the front seat assembly.

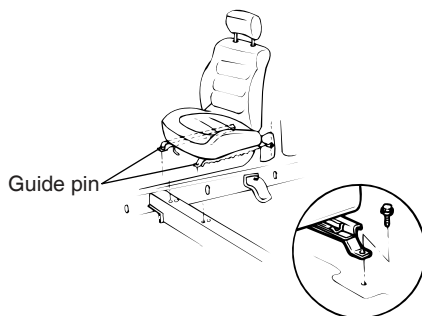


ESTC145A

3. Install the front seat assembly after inserting the guide pin on the body hole.

**Tightening torque :**

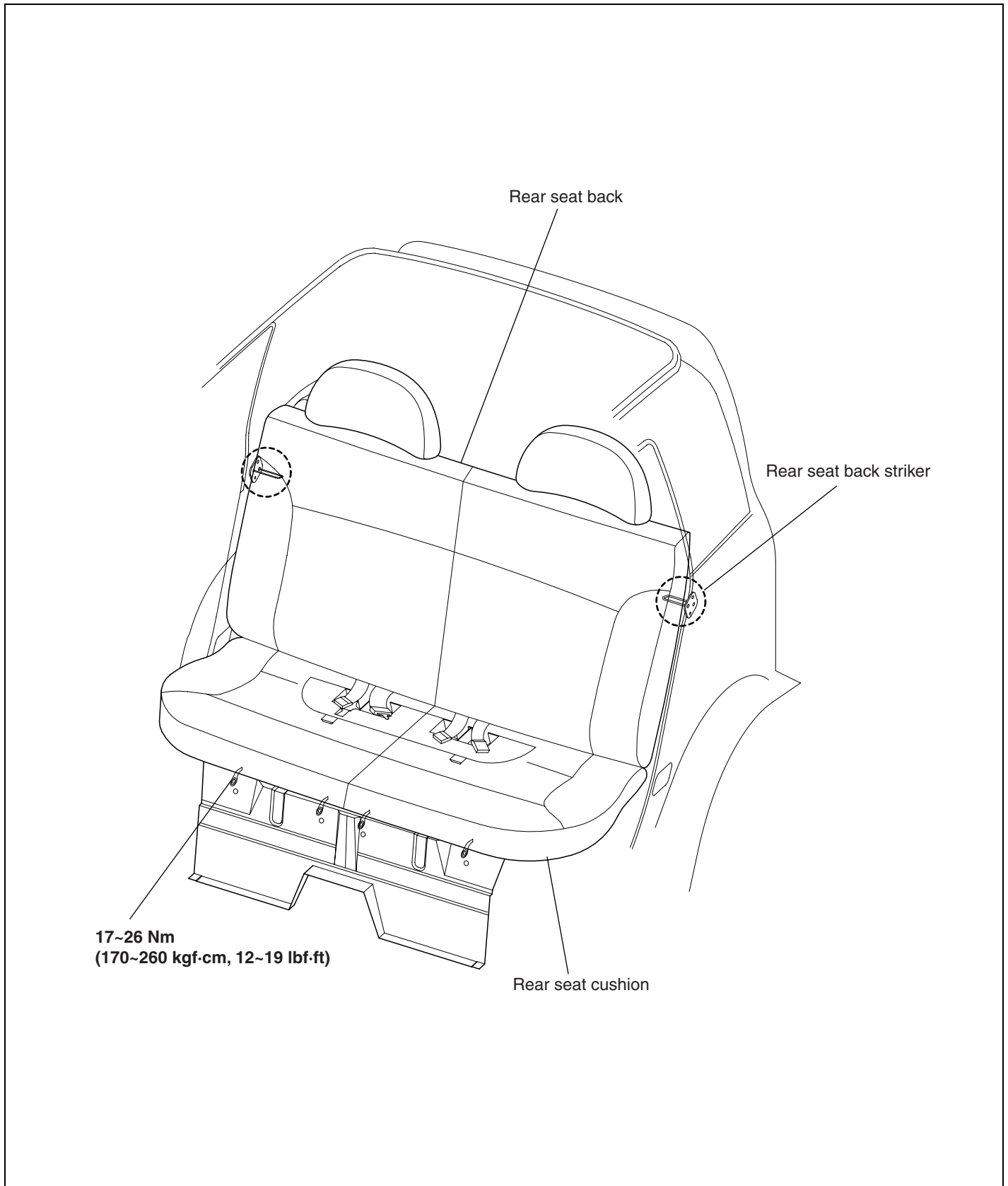
35-55 Nm (350-550 kg·cm, 25.3-40 lb·ft)



ESDA305B

# REAR SEAT

## COMPONENTS ESTE0800

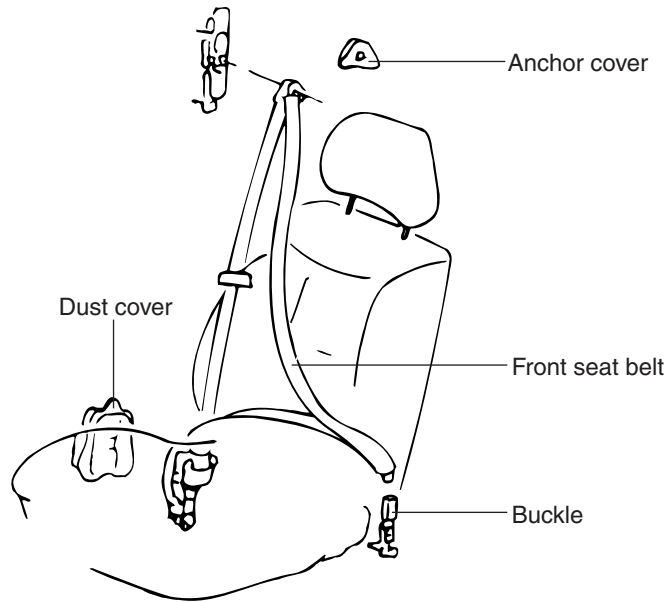




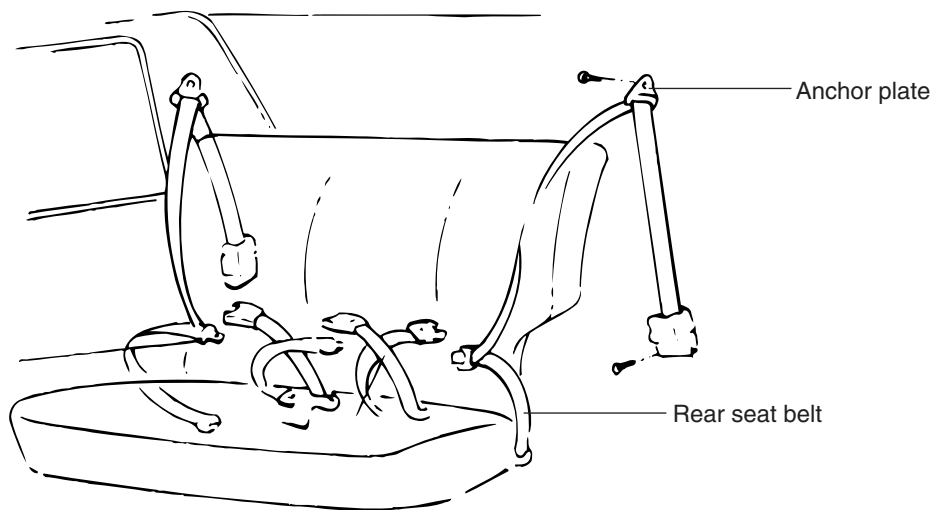
# FRONT SEAT BELT

## COMPONENTS ESTC1600

[FRONT SEAT BELT]

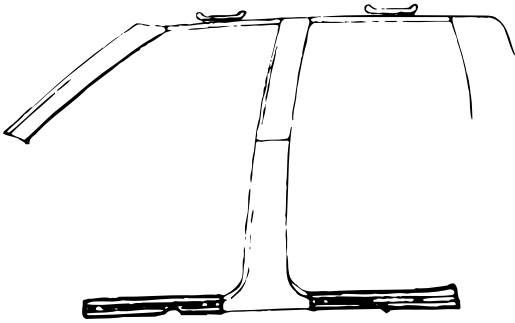


[REAR SEAT BELT]



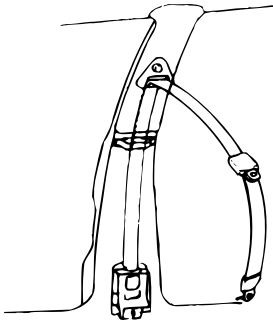
**REMOVAL AND INSTALLATION** ESTC1650

1. Remove the door scuff trim.



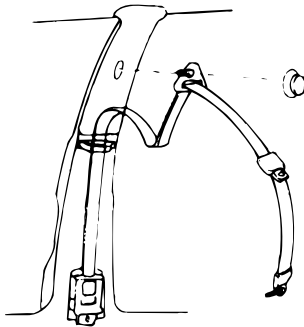
ESTC165A

2. Remove the lower anchor plate.



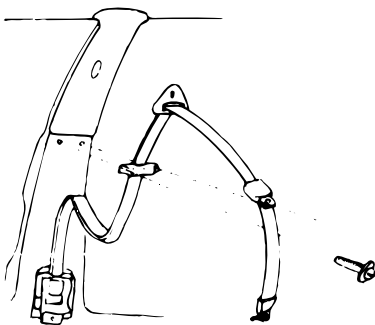
ESTC165B

3. Remove the upper anchor plate and center pillar lower trim.



ESTC165C

4. Remove the webbing guide.



ESTC165D

5. Remove the front seat belt



ESTC165E

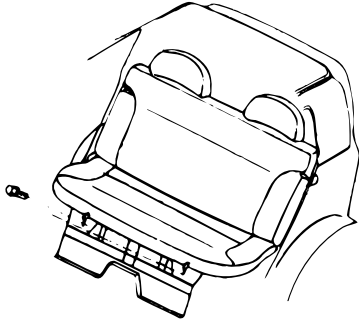
6. Installation is the reverse of removal.

## REAR SEAT BELT

### REMOVAL AND INSTALLATION

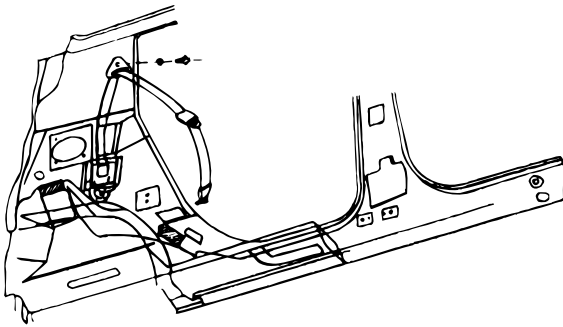
ESTC1700

1. Remove the rear seat.



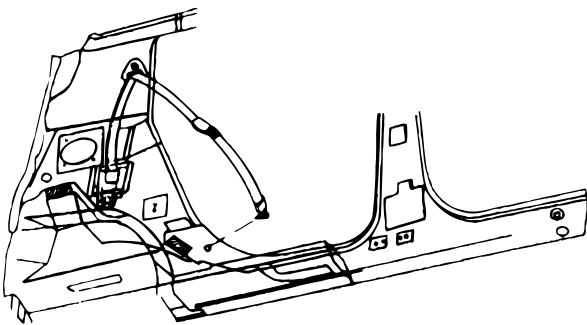
ESTC170A

2. After removing the rear seat upper anchor plate, remove rear pillar trim.



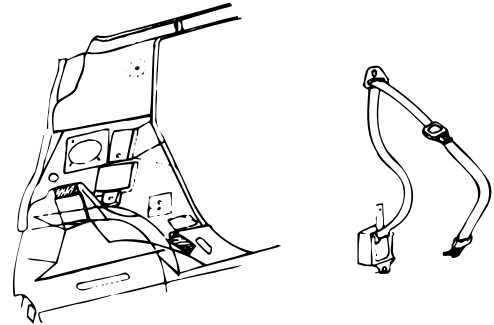
ESTC170B

3. Remove the rear seat lower anchor plate.



ESTC170C

4. Remove the rear seat bolt.



ESTC170D

5. Installation is the reverse of removal.