



# **Body (Interior and Exterior)**

General Information



## SPECIFICATIONS

Hood Type	Rear hinged, front opening type (gas lifter type)
Front door Construction Regulator system Locking system	Front hinged, full door construction X-arm type Pin-fork system
Rear door Construction Locking system	Slide type Pin-fork system
Tailgate Type	Inner hinged, gas lifter type
Glass thickness. Windshield glass Front door glass Slide door glass Quarter window glass Tail gate glass	Laminated clear, tinted 5.0mm (0.20 in.) 3.2mm (0.13 in.) 3.5mm (0.14 in.) 3.5mm (0.14 in.) 3.5mm (0.14 in.)
Seat belts	3 point type with Emergency Locking Retractor (E.L.R)

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## TROUBLESHOOTING

### Hood

Problem	Possible cause	Action
Hood does not open or close completely	Striker and latch not properly aligned	Adjust
	Incorrectly installed hood	Adjust
	Incorrect hood bumper height	Adjust

### Tailgate

Problem	Possible cause	Action
Water leak from tailgate edge	Cracked or defective opening weatherstrip	Replace
Tailgate lift	Incorrect latch or striker adjustment	Adjust
Heavy tailgate opening lock	Incorrect latch or striker adjustment	Adjust
	Incorrect tailgate latch link assembly adjustment	Adjust
Uneven gap between body	Incorrect tailgate installation	Adjust position

### Front door

Problem	Possible cause	Action
Door window malfunction	Incorrect window glass installation	Adjust position
	Incorrect door sash contact	Adjust contact
	Damaged or defective sash	Correct or replace
	Damaged or defective regulator arm or regulator	Correct or replace
Stiff window regulator handle	Incorrect window glass installation	Adjust position
	Damaged or defective sash	Correct or replace
	Damaged or defective regulator arm or regulator	Correct or replace
Water leak through door edge	Cracked or defective opening weatherstrip	Replace
Water leak from door center	Drain hole clogged	Remove foreign objects
	Inadequate waterproof film contact or damage	Correct or replace
Door hard to open	Incorrect latch or striker adjustment	Adjust
Door does not open or close completely	Incorrect latch or striker adjustment	Adjust position
	Defective door check	Correct or replace
	Door check hinge requires grease	Apply grease
Uneven gap between body	Incorrect door installation	Adjust position

### Slide door

Problem	Possible cause	Action
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Water leak from door edge	Cracked or defective opening weatherstrip	Replace
Stiff door operation	Incorrect latch or striker adjustment	Adjust
	Incorrect door installation	Adjust position
Stops half way when sliding or stiff	Incorrect roller arm installation or requires grease	Adjust or grease
	Defective roller arm	Replace
Uneven gap between body	Misaligned door	Adjust position

### Sunroof

Problem	Possible cause	Action
Water leaks from sunroof	Dirt accumulated in drain tube	Clear dirt inside of drain
	Clogged drain tube	Blow air into drain to remove dirt
	Broken or dislocated drain tube, defective or cracked clip	Check tube installation and flange contact
	Deteriorated roof lid weatherstrip	Replace
	Excessive roof lid-to-body clearance and improperly fitted weatherstrip	Adjust
Wind noise around sunroof	Loose or deformed deflector, gaps in body work	Retighten adjust or replace
Sunroof makes a noise when moved	Foreign particles lodged in guide rail	Check drive cable and guide rails for foreign particles
	Loose guide rails and lid	Retighten
Motor runs but sunroof does not move or moves only halfway	Foreign particles lodged in guide rail	Check drive cable and guide rails for foreign particles
	Incorrect engagement of motor pinion with drive cable	Check for loose motor installation and damaged pinion
	Decrease in motor's clutch slipping force	Adjust
	Increased sunroof sliding resistance or interference of sunroof with drive cables, weatherstrip, etc. due to maladjustment of sunroof	Adjust or replace
Noise in motor (clutch slipping noise from motor when sunroof is fully opened or closed is not an unusual noise.)	Incorrect engagement of motor pinion with drive cable	Check pinion installation and retighten motor
	Worn out or damaged motor pinion bearing	Replace motor assembly
	Worn out or deformed drive cable	Replace

### Roof carrier

Problem	Possible cause	Action
Push button does not return to normal position	Cross bar is not in a detent Broken spring	Move cross bar to a detent Replace slide
Missing attaching hardware	Vibration	Replace hardware
Broken slide rail	Accident	Replace slide rail

Broken cross bar	Accident	Replace cross bar
Broken slide	Accident	Replace slide
Missing base cover	Vibration or accident	Replace base cover

### Windshield glass

Problem	Possible cause	Action
Water leak through windshield	Defective weatherstrip seal	Fill sealant
	Cracked or defective weatherstrip	Replace
	Defective body flange	Correct
Water leak through tailgate window	Cracked or defective weatherstrip	Replace
	Defective tailgate window flange	Correct
Water leak through front door window	Incorrect window glass installation	Adjust position
	Gap at upper window glass	Adjust position
Water leak through front door window	Defective window frame	Replace
Water leak through fixed type quarter window	Cracked or defective weatherstrip	Replace
	Defective quarter panel flange	Correct

### Stationary glass

Problem	Possible cause	Action
Water leak	Faulty seal	Seal the edge around the top and both sides
Wind noise	Faulty seal	Seal the edge around the top and both sides
Minor chip	Pebble, BB, etc.	Repair
Major chip	Rock, falling object, etc.	Repair
Major crack	Accident, malicious mischief	Replace
Deformation	Accident, malicious mischief	Replace
Pitting	Sand storm	Replace

### Bumpers

Problem	Possible cause	Action
Bumper face damaged	Accident	Replace
Energy absorbing foam damaged or deteriorated	Accident or exposure	Replace
Reinforcement damaged	Accident	Replace
Brackets or stays damaged	Accident	Repair or replace
Missing attached hardware	Accident or vibration	Replace

### Seat belts

Problem	Possible cause	Action
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Buckle release does not release reliably	Faulty spring or dirt in the mechanism	Replace buckle assembly
Buckle release does not depress	Jammed mechanism	Replace buckle assembly
Buckle release button does not return to normal position	Jammed mechanism	Replace buckle assembly
Webbing is frayed	Caught in door	Replace retractor assembly
Stitching is loose	Wear or accident	Replace retractor assembly
Belt retracts part-way	Faulty spring	Replace retractor assembly
Belt does not extend completely	Faulty mechanism	Replace retractor assembly
Belt does not retract	Wear or accident	Replace retractor assembly
Belt does not extend	Faulty mechanism	Replace retractor assembly
Buckle assembly is loose	Vibration or accident	Tighten to specified torque
Retractor assembly is loose	Vibration or accident	Tighten to specified torque
Anchor assembly is loose	Vibration or accident	Tighten to specified torque
Driver's seat belt is fastened but reminder lamp either does not actuate or fails to deactivate	Cable harness, computer module, or indicator light	Isolate fault with continuity tester. If test fails, repair or replace the cable. If test does not fail, replace the computer



## TIGHTENING TORQUE

Item	Description	N·m	kg·m	lb·ft
Front fender	Mounting bolts	7 ~ 9	0.7 ~ 0.9	5 ~ 7
Hood	Hinge	19 ~ 26	1.9 ~ 2.6	14 ~ 19
	Latch assembly	8 ~ 11	0.8 ~ 1.1	6 ~ 8
Tail gate	Hinge	18 ~ 27	1.8 ~ 2.7	13 ~ 20
	Damper stay bolt	7 ~ 10	0.7 ~ 1.0	5 ~ 7
	Damper stay nut	15 ~ 23	1.5 ~ 2.3	11 ~ 17
	Striker	16 ~ 23	1.6 ~ 2.3	12 ~ 17
	Latch	8 ~ 10	0.8 ~ 1.0	6 ~ 7
	Remote controller	7 ~ 10	0.7 ~ 1.0	5 ~ 7
Front door	Checker (Body side)	18 ~ 27	1.8 ~ 2.7	13 ~ 20
	Checker (Door side)	12 ~ 26	1.2 ~ 2.6	9 ~ 19
	Hinge (Body side)	18 ~ 30	1.8 ~ 3.0	13 ~ 22
	Hinge (Door side)	18 ~ 30	1.8 ~ 3.0	13 ~ 22
	Glass guide	12 ~ 16	1.2 ~ 1.6	9 ~ 12
	Regulator assembly	3 ~ 4	0.3 ~ 0.4	2 ~ 3
	Latch assembly	4 ~ 6	0.4 ~ 0.6	3 ~ 5
	Outside Handle	13	1.3	9
	Striker	18 ~ 27	1.8 ~ 2.7	13 ~ 20
Slide door	Upper wedge	4 ~ 6	0.4 ~ 0.6	3 ~ 5
	Door pole	12 ~ 16	1.2 ~ 1.6	9 ~ 12
	Lower wedge	4 ~ 6	0.4 ~ 0.6	3 ~ 5
	Upper roller	18 ~ 27	1.8 ~ 2.7	13 ~ 20
	Lower roller	4 ~ 6	0.4 ~ 0.6	3 ~ 5
	Center roller	18 ~ 27	1.8 ~ 2.7	13 ~ 20
	Door lock	4 ~ 6	0.4 ~ 0.6	3 ~ 5
	Door lock striker	18 ~ 27	1.8 ~ 2.7	13 ~ 20
	Inner handle	3 ~ 4	0.3 ~ 0.4	2 ~ 3
	Outer handle	7 ~ 10	0.7 ~ 1.0	5 ~ 7
Front bumper	Reinforcement mounting	10 ~ 15	1.0 ~ 1.5	7 ~ 11
	Face attaching bolt	8 ~ 11	0.8 ~ 1.1	6 ~ 8
	Side bracket	4 ~ 6	0.4 ~ 0.6	3 ~ 4
Rear bumper	Install mounting bolt	90 ~ 120	9 ~ 12	65 ~ 87
	Reinforcement mounting	10 ~ 15	1.0 ~ 1.5	7 ~ 11
Seat	Seat mounting bolt/nut	35 ~ 57	3.5 ~ 5.7	25 ~ 41
Seat belt	Front upper anchor	40 ~ 55	4.0 ~ 5.5	29 ~ 40

Front lower anchor	40 ~ 55	4.0 ~ 5.5	29 ~ 40
Front height adjuster	40 ~ 55	4.0 ~ 5.5	29 ~ 40
Retractor	40 ~ 55	4.0 ~ 5.5	29 ~ 40
Buckle mounting bolt	40 ~ 55	4.0 ~ 5.5	29 ~ 40
Rear upper/lower anchor	40 ~ 55	4.0 ~ 5.5	29 ~ 40
Child anchor	18 ~ 27	1.8 ~ 2.7	13 ~ 20





# **Body (Interior and Exterior)**

Body Dimension



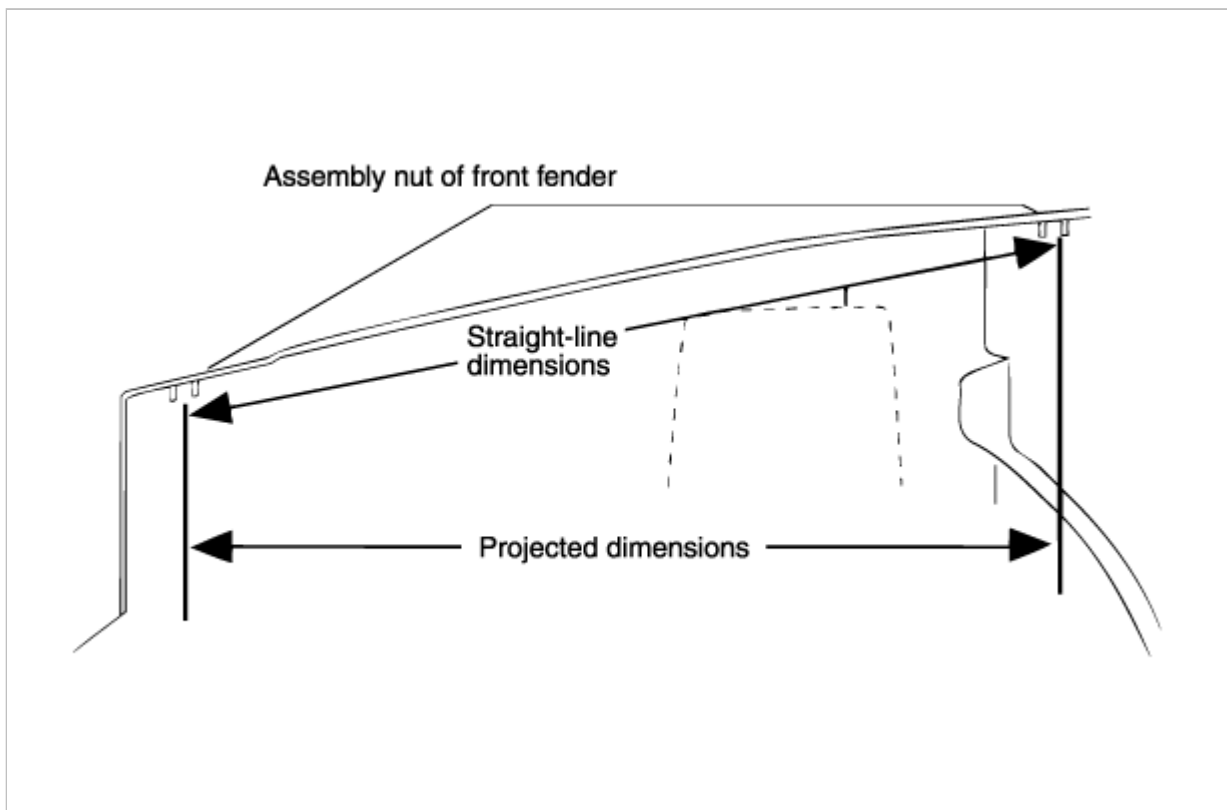
## Body dimension indication

### Projected dimensions

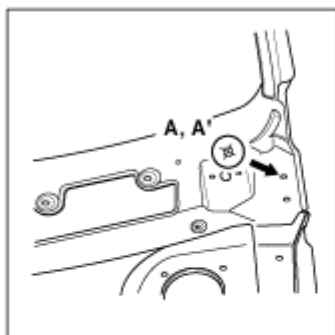
The projected dimension indicates a dimension from a reference point on the body. (Height may be different in some cases)

### Straight-line dimensions (Actual measured dimensions)

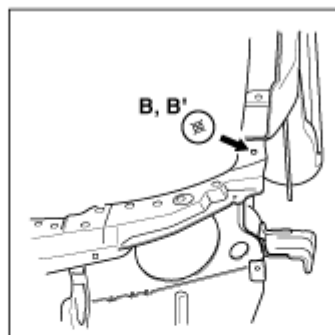
The straight-line dimension indicates a actual measured dimension between the measurement reference points.



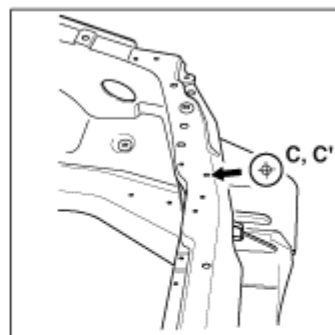
**Front body straight-line dimensions**



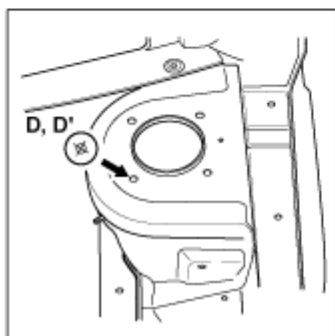
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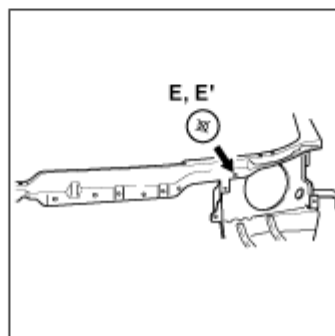
Ø10



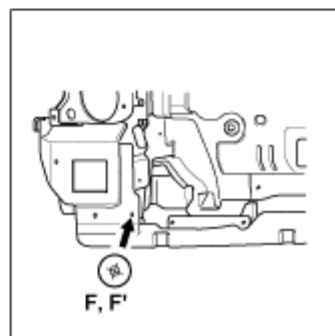
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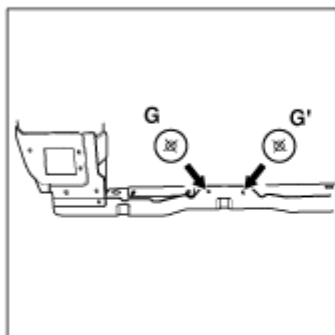
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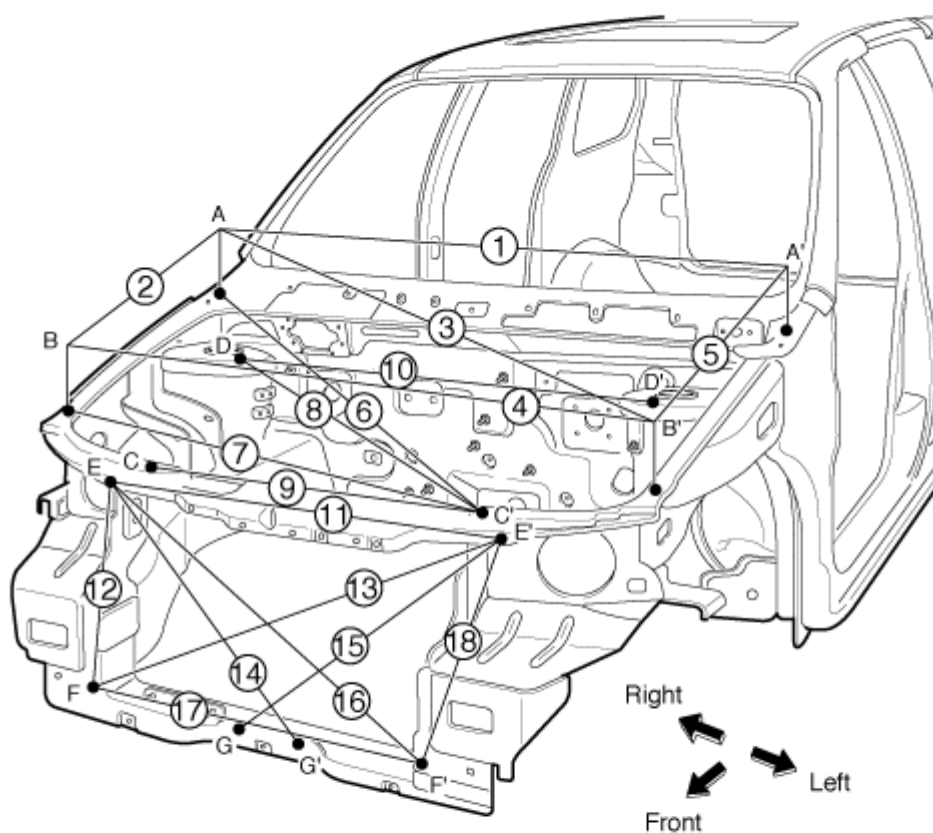
Ø14



Ø16

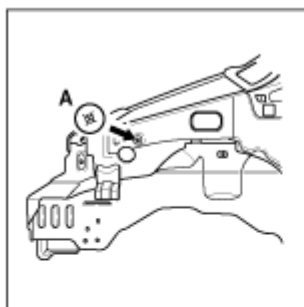


Ø7

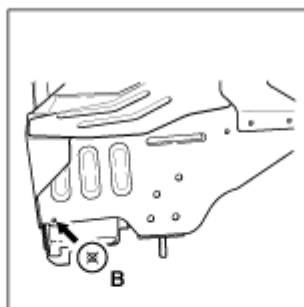


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No.	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	
Dimension (mm)	1124	930	441	969	680	680	969	800	

**Side frame straight-line dimensions**

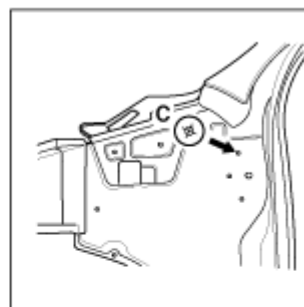


Ø16



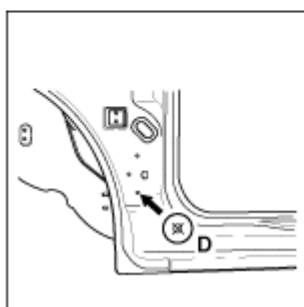
Mud guard mounting hole

Ø8.4



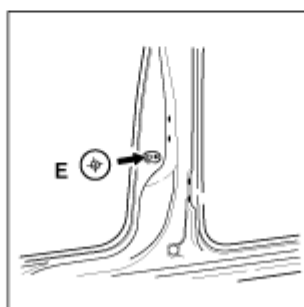
Front door hinge bracket mounting hole

Ø12



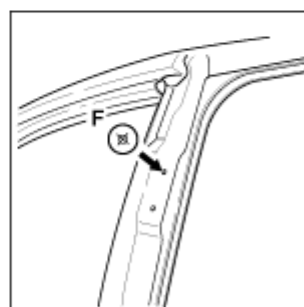
Front door hinge bracket mounting hole

Ø12

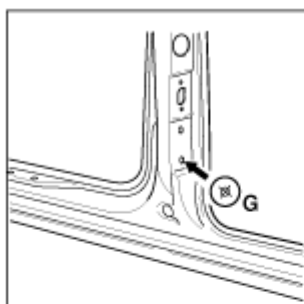


Front door switch mounting hole

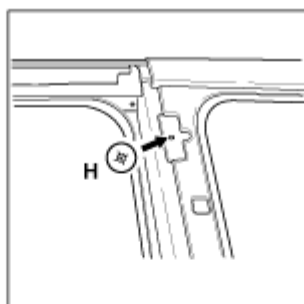
Ø14



Ø12

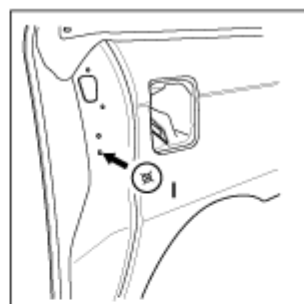


Ø12X17



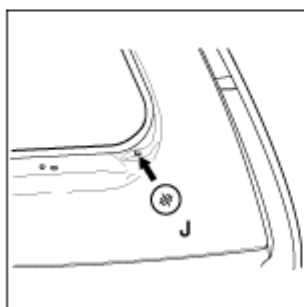
Window bracket mounting hole

Ø7



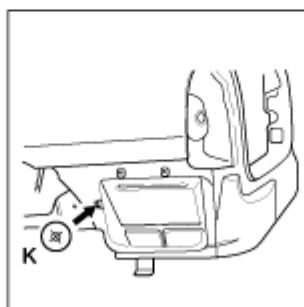
Door striker mounting hole

Ø12



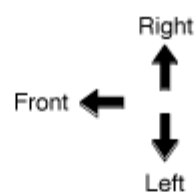
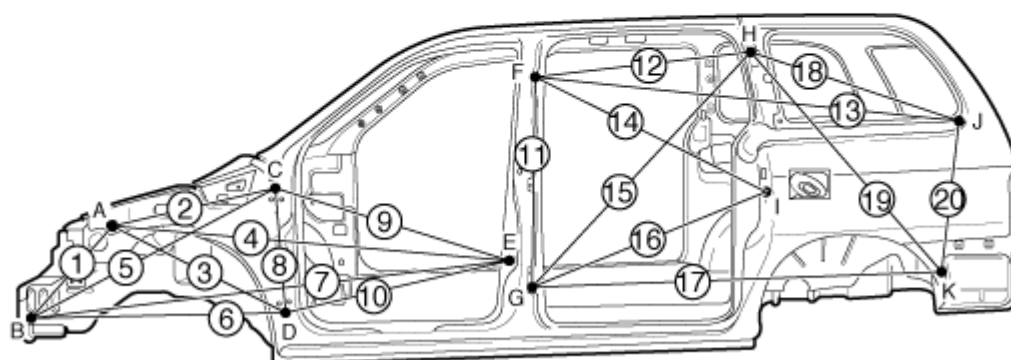
Rail cover mounting hole

Ø8



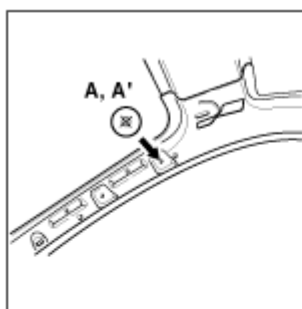
Location hole

Ø16

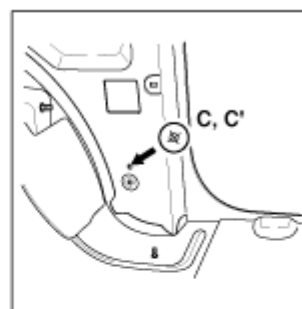
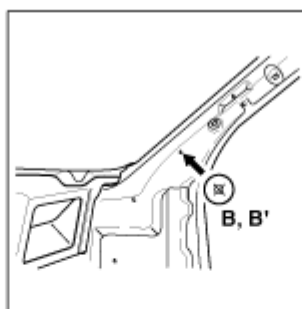


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No.	⑲	⑳							
Dimension (mm)	1247	651							

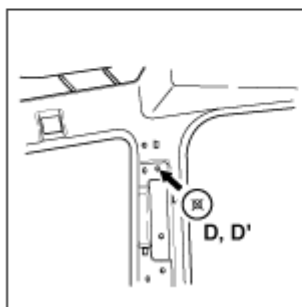
**Interior A straight-line dimensions**



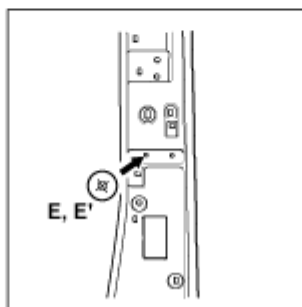
Assist handle mounting hole Ø 7



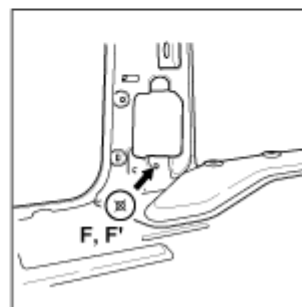
Trim location hole Ø10



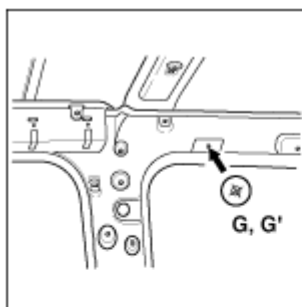
Seat belt anchor mounting hole Ø15



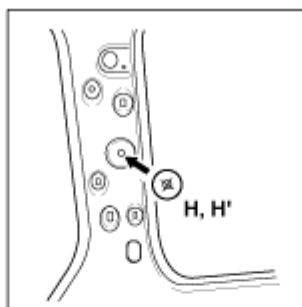
Seat belt guide mounting hole Ø 6



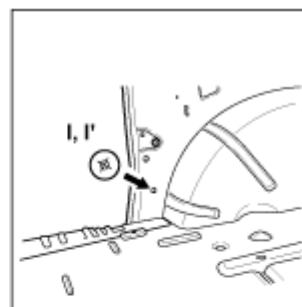
Seat belt retractor mounting hole Ø 18



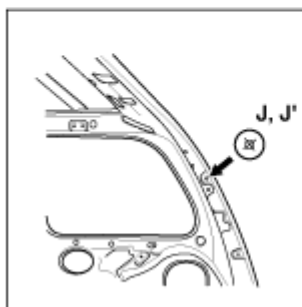
Assist handle mounting hole Ø10



Seat belt retractor mounting hole Ø15



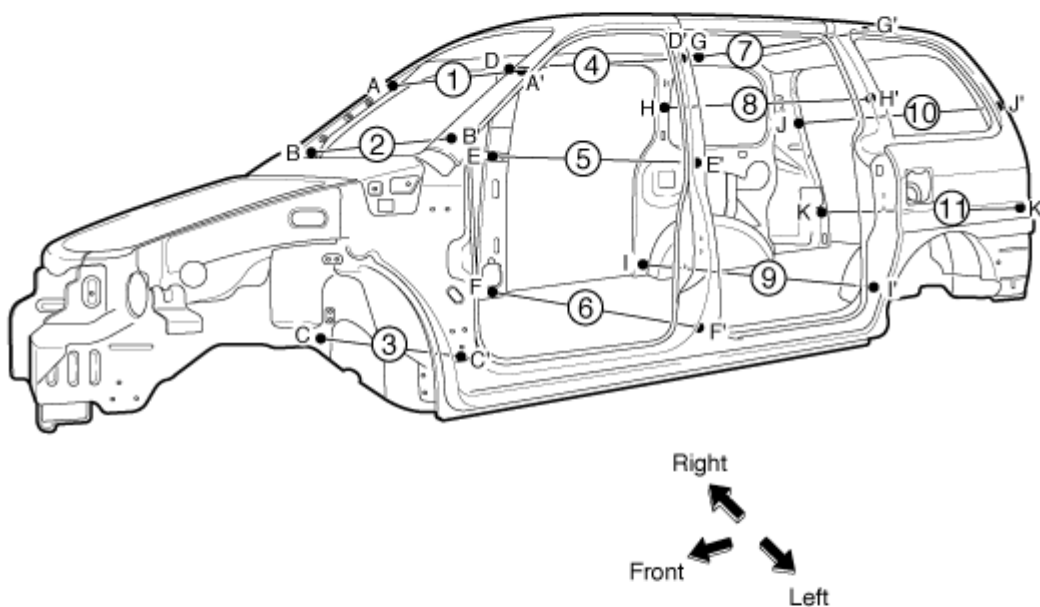
Ø15



Seat belt retractor mounting hole Ø15



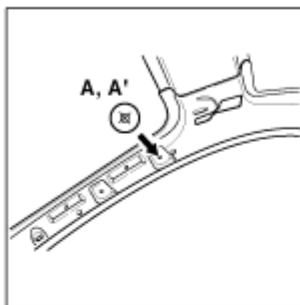
Location hole Ø15



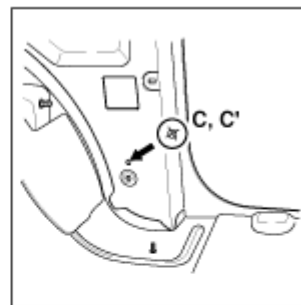
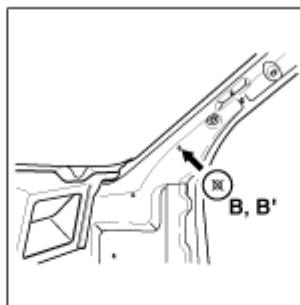
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No.	⑩	⑪							
Dimension (mm)	1197	1277							

**Interior B straight-line dimensions**

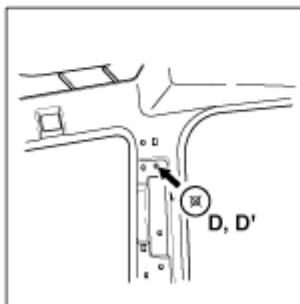




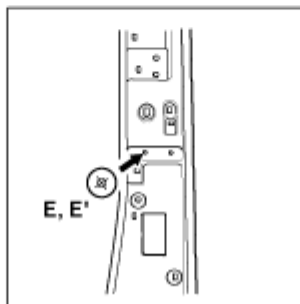
Assist handle mounting hole Ø 7



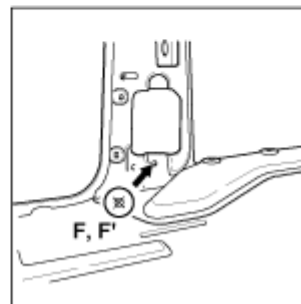
Trim location hole Ø10



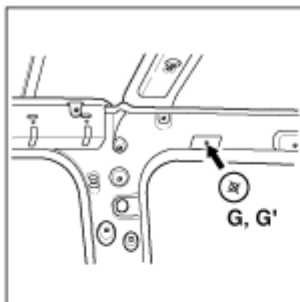
Seat belt anchor mounting hole Ø15



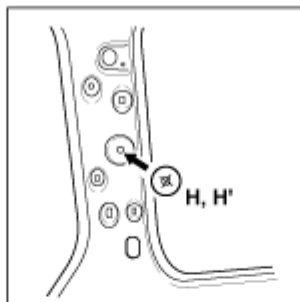
Seat belt guide mounting hole Ø 6



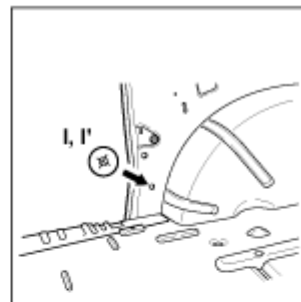
Seat belt retractor mounting hole Ø 18



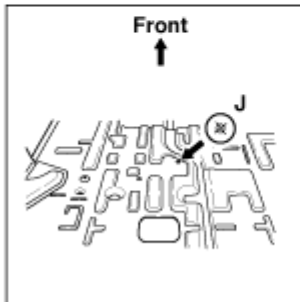
Assist handle mounting hole Ø10



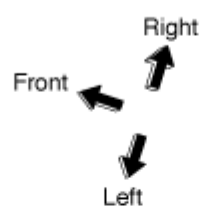
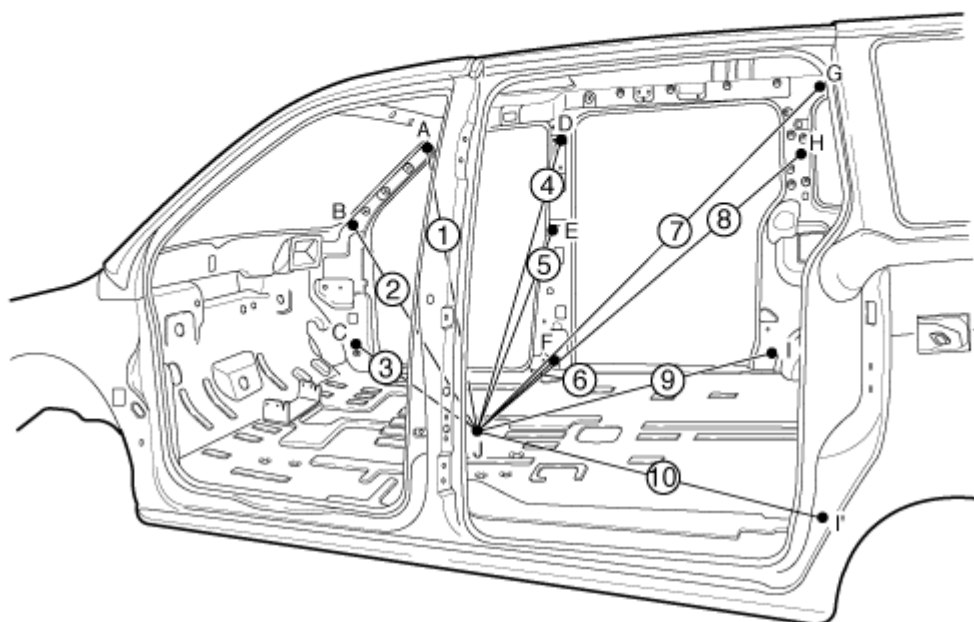
Seat belt retractor mounting hole Ø15



Ø15



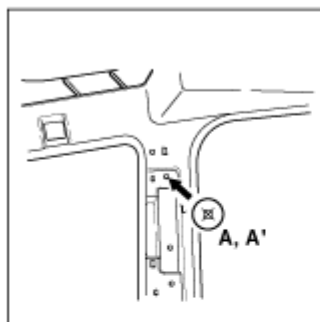
Floor carpet mounting hole Ø 6



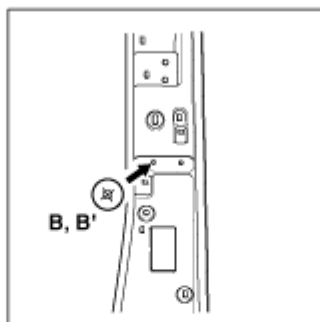
★ Right side shown, Left side is same as right except ⑩

No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨
Dimension (mm)	1333	1363	1157	1300	1075	809	1920	1703	1384
No.	⑩								
Dimension (mm)	1366								

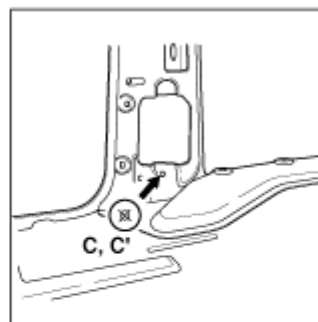
**Interior C straight-line dimensions**



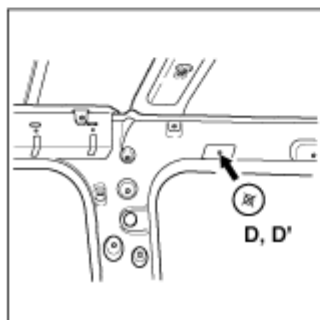
Seat belt anchor mounting hole    Ø15



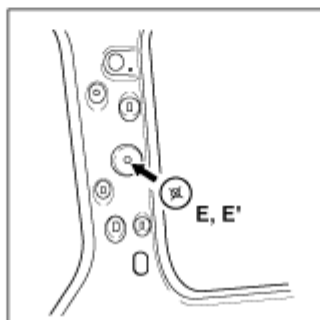
Seat belt guide mounting hole    Ø6



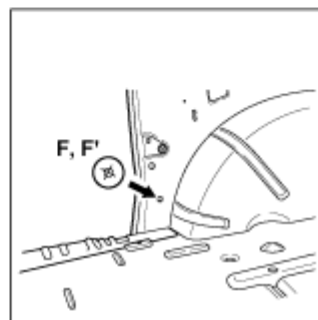
Seat belt retractor mounting hole    Ø18



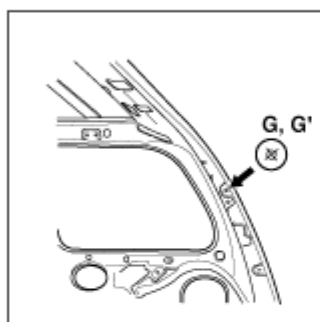
Assist handle mounting hole    Ø10



Seat belt retractor mounting hole    Ø15



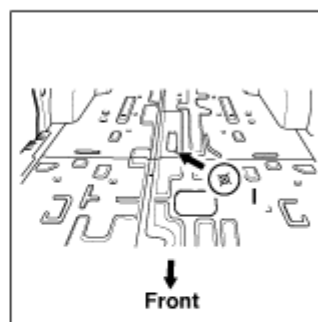
Ø15



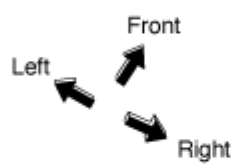
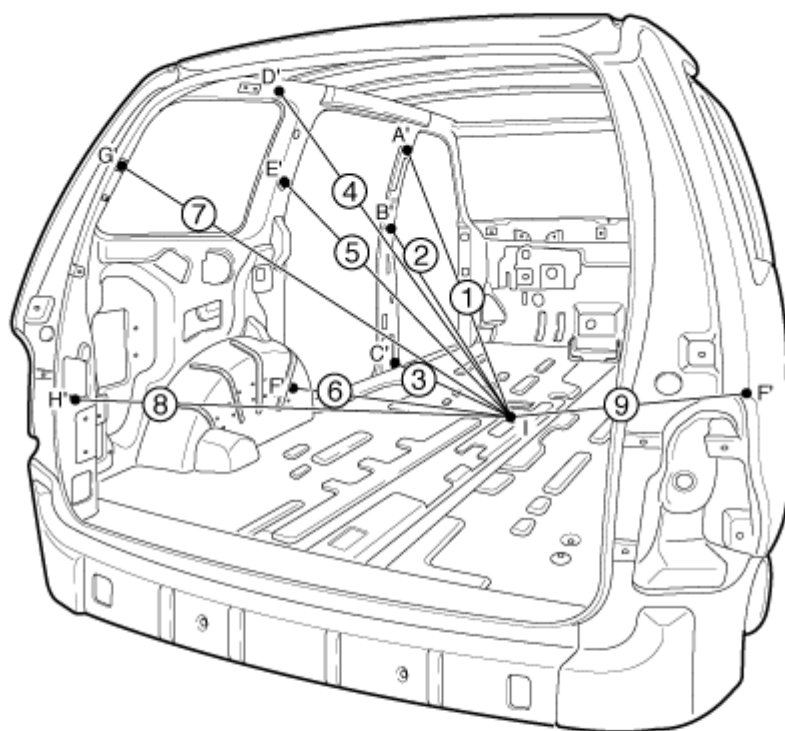
Seat belt retractor mounting hole    Ø15



Location hole    Ø15



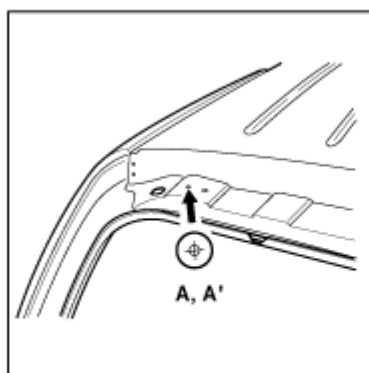
Floor mat mounting hole    Ø6



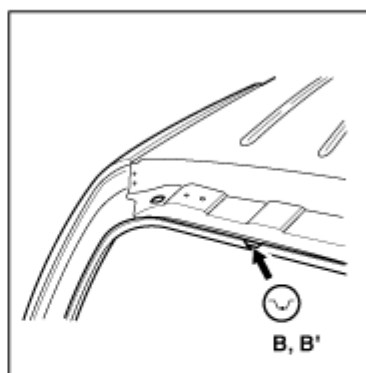
★ Right side shown, Left side is same as right except ⑨

No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨
Dimension (mm)	1378	1220	1051	1414	1212	856	1718	1654	850

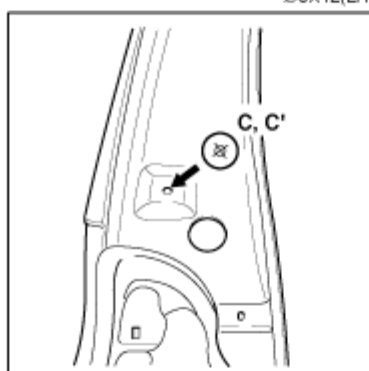
**Rear body straight-line dimensions**



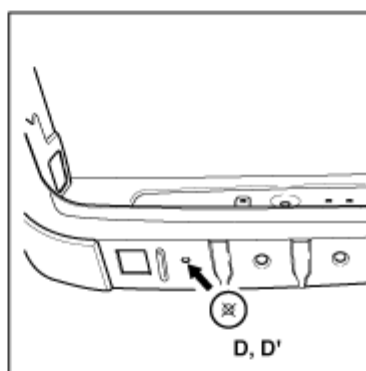
Tail gate hinge mounting hole      Ø8(RH)  
Ø8X12(LH)



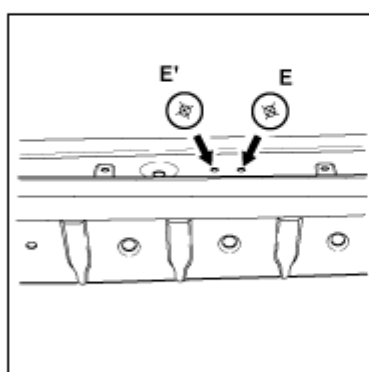
B, B'



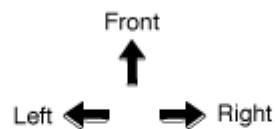
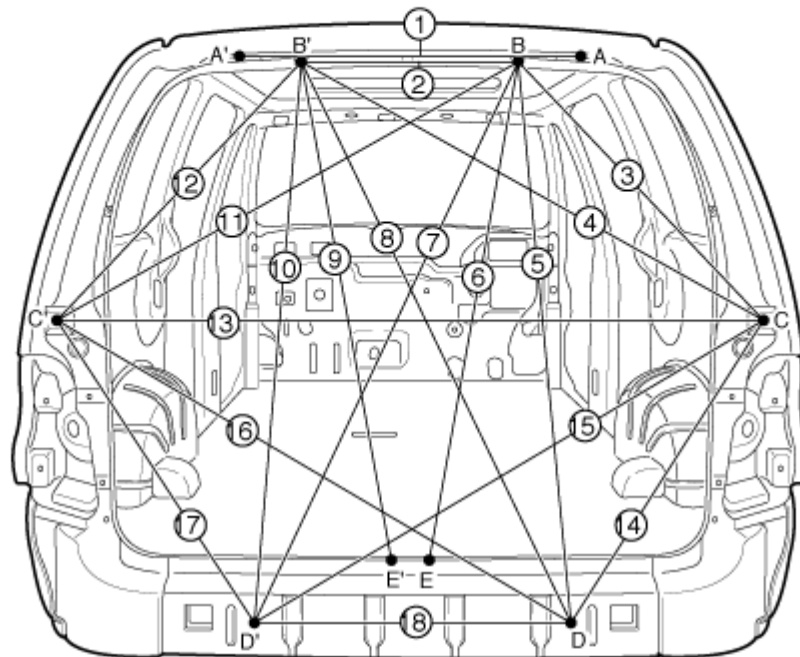
Damper stay mounting hole      Ø9



Location hole      Ø10x12(LH)  
Ø10(RH)



Tail gate striker mounting hole      Ø13

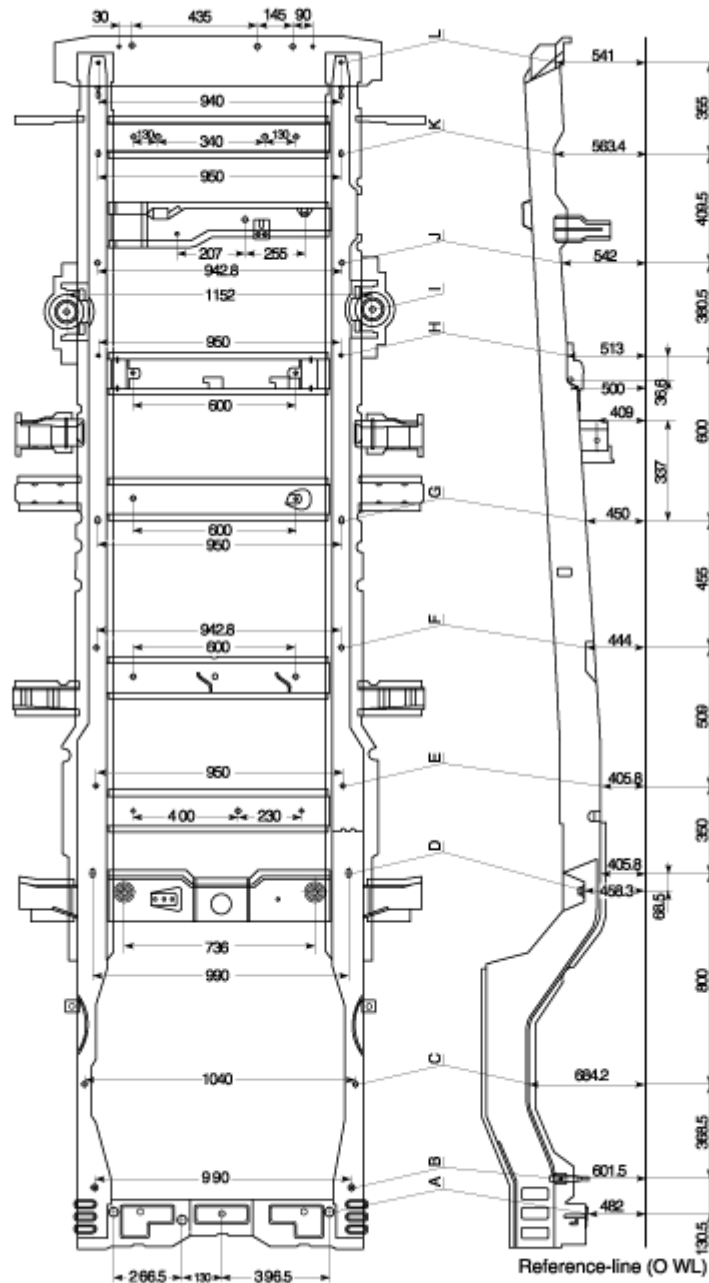


No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨
Dimension (mm)	825	500	799	1184	1230	1128	1365	1365	1128
No.	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱
Dimension (mm)	1230	1184	799	1529	747	1276	1276	747	700

### Under body Projected dimensions

Measurement point	Description	Size of hole
A	Shroud lower member drain hole	Ø20
B	Sub frame bracket mounting hole (front)	Ø26
C	Front frame location hole	Ø20
D	Front frame location hole	Ø20 x 26
E	Datum hole	Ø16
F	Center frame hole	Ø7

G	Substitute datum hole	Ø16 x 20
H	Rear frame location hole	Ø16
I	Panhard rod bracket hole	Ø30
J	Rear frame location hole	Ø16 x 20
K	Bumper bracket mounting hole	Ø12



### Under body Straight-line dimensions

Measurement point	Description	Size of hole
A	Sub frame bracket mounting hole (front)	Ø26





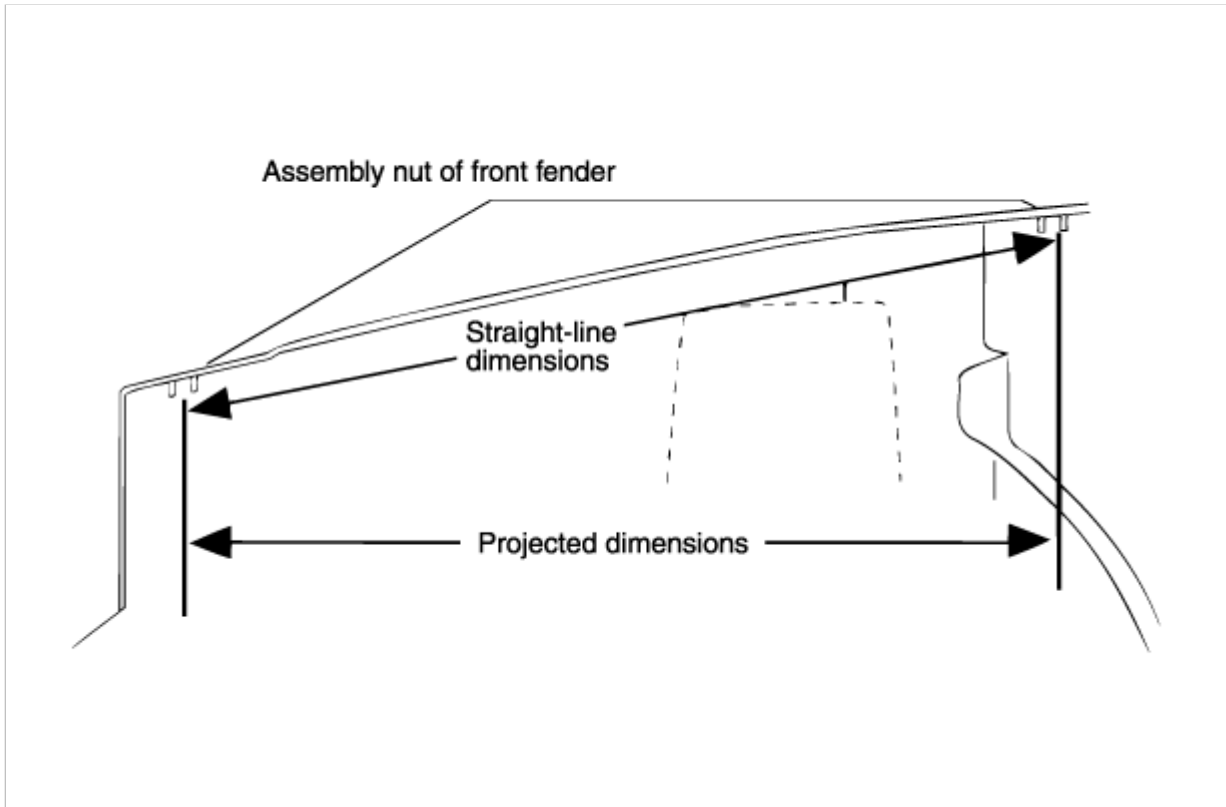
## Body dimension indication

### Projected dimensions

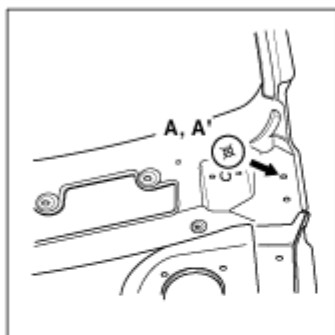
The projected dimension indicates a dimension from a reference point on the body. (Height may be different in some cases)

### Straight-line dimensions (Actual measured dimensions)

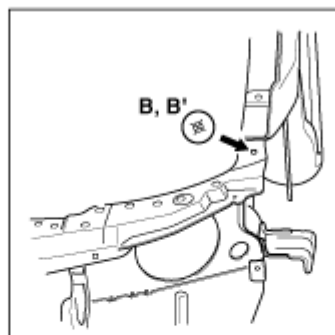
The straight-line dimension indicates a actual measured dimension between the measurement reference points.



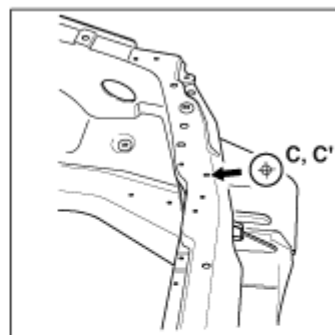
### Front body straight-line dimensions



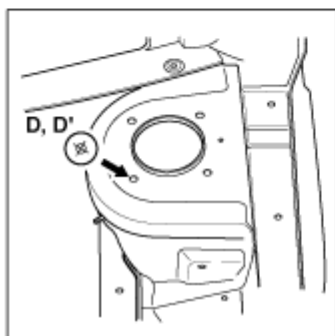
Ø14



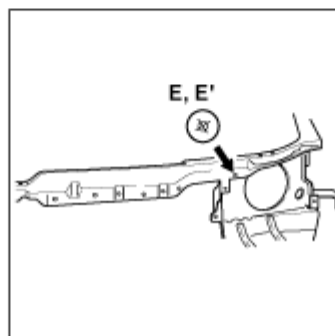
Ø10



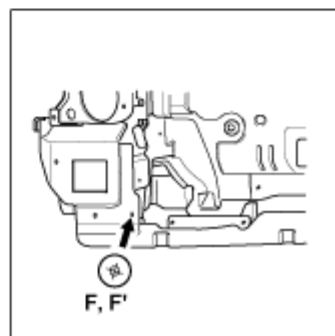
Ø14



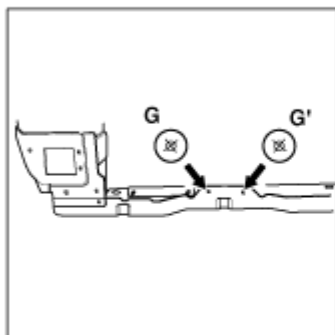
Ø11



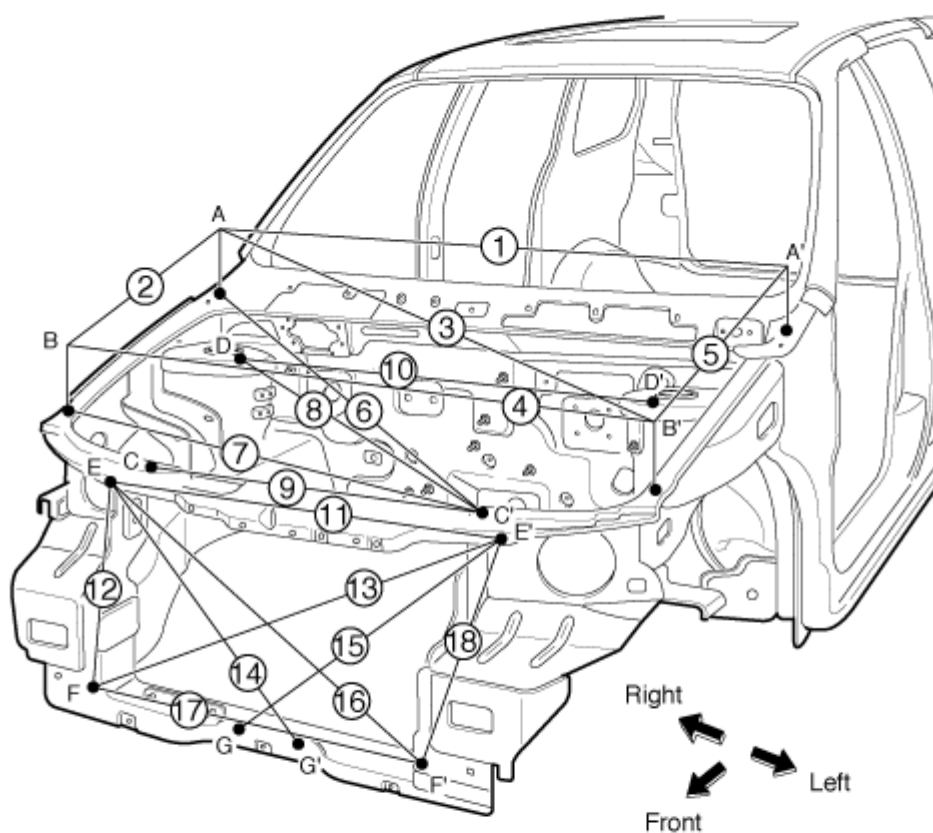
Ø14



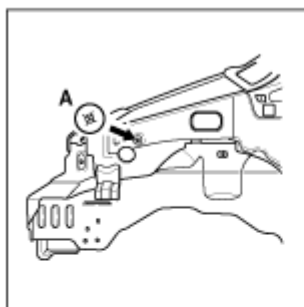
Ø16



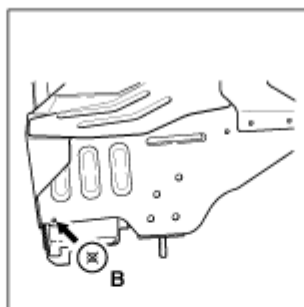
Ø7



**Side frame straight-line dimensions**

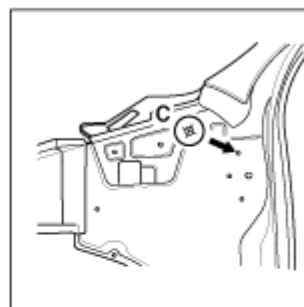


Ø16



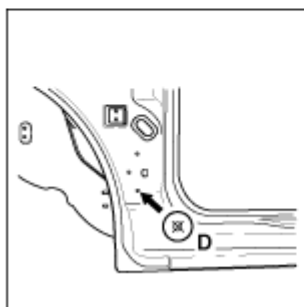
Mud guard mounting hole

Ø8.4



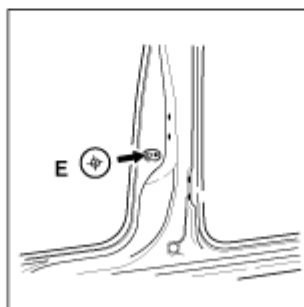
Front door hinge bracket mounting hole

Ø12



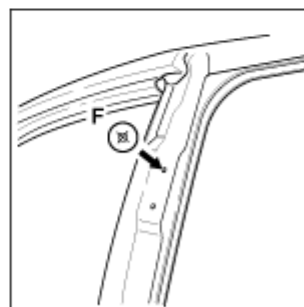
Front door hinge bracket mounting hole

Ø12

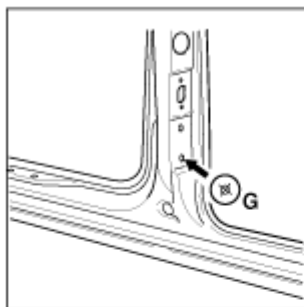


Front door switch mounting hole

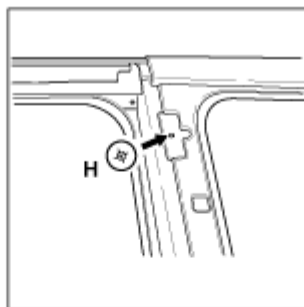
Ø14



Ø12

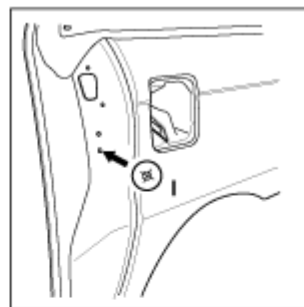


Ø12X17



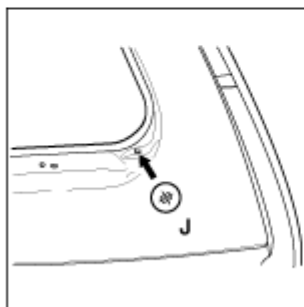
Window bracket mounting hole

Ø7



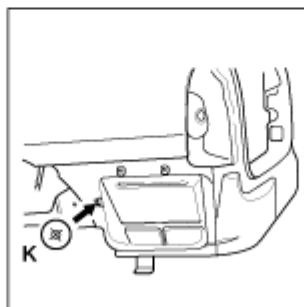
Door striker mounting hole

Ø12



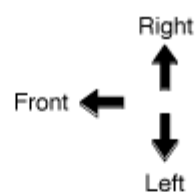
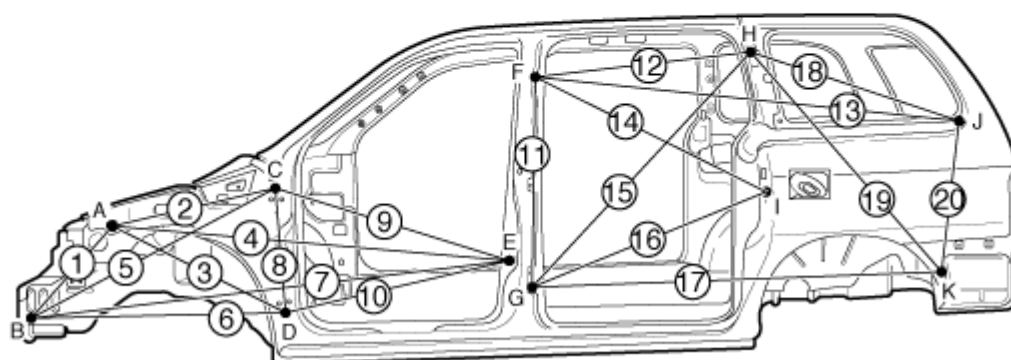
Rail cover mounting hole

Ø8



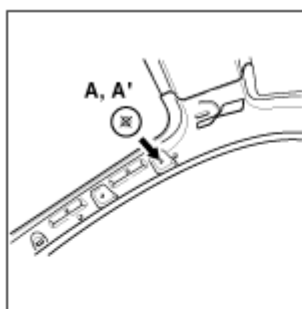
Location hole

Ø16

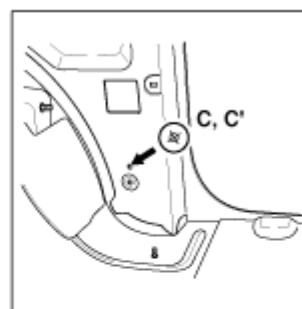
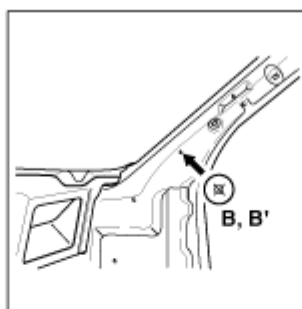


No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨
Dimension (mm)	686	785	856	1772	1409	1295	2274	500	1046
No.	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱
Dimension (mm)	1003	920	971	1829	1121	1422	1051	1750	915
No.	⑲	⑳							
Dimension (mm)	1247	651							

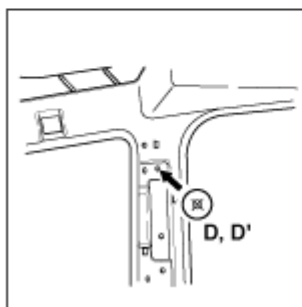
**Interior A straight-line dimensions**



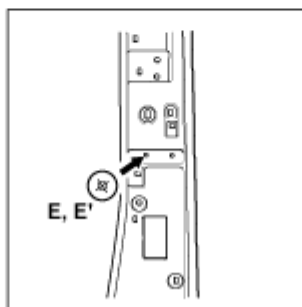
Assist handle mounting hole Ø 7



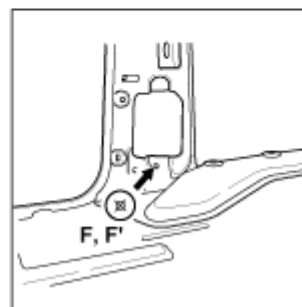
Trim location hole Ø10



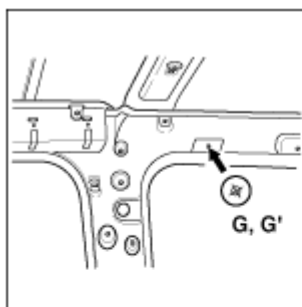
Seat belt anchor mounting hole Ø15



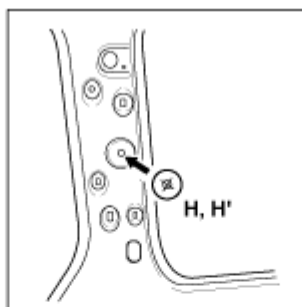
Seat belt guide mounting hole Ø 6



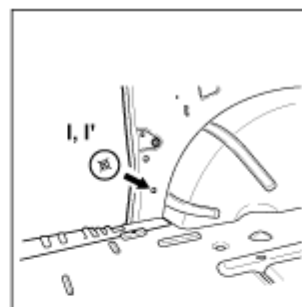
Seat belt retractor mounting hole Ø 18



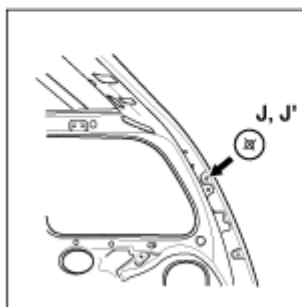
Assist handle mounting hole Ø10



Seat belt retractor mounting hole Ø15



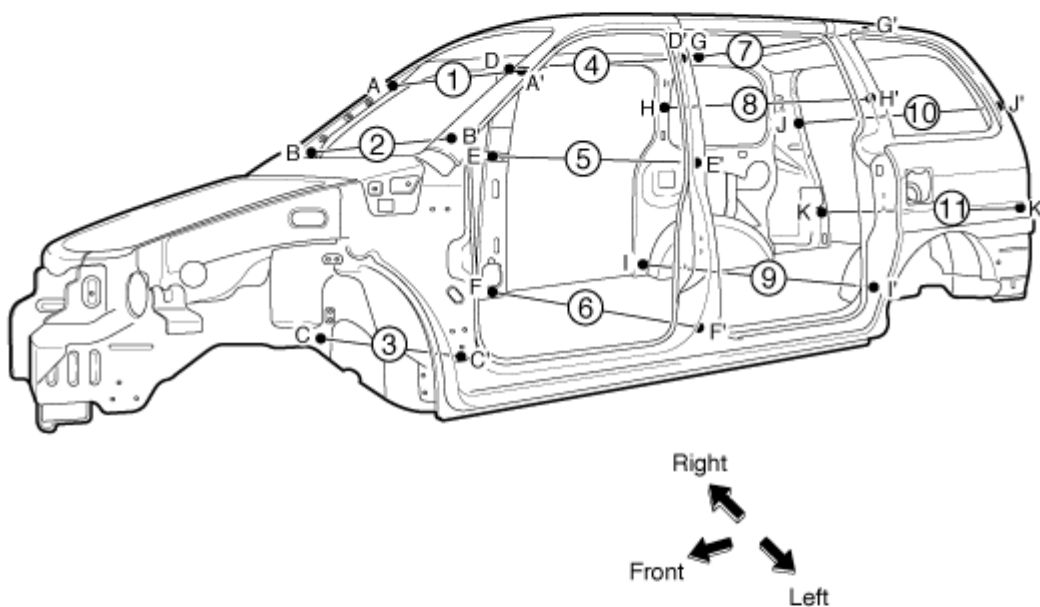
Ø15



Seat belt retractor mounting hole Ø15

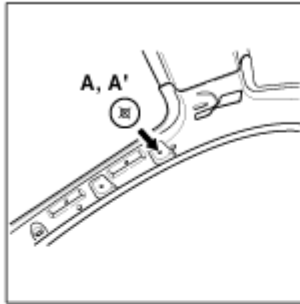


Location hole Ø15

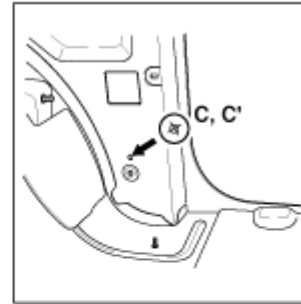
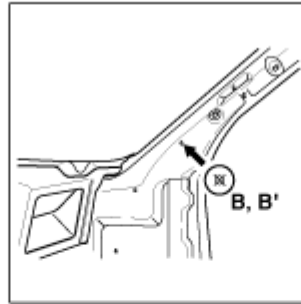


No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨
Dimension (mm)	1330	1522	1458	1315	1540	1589	1215	1405	1602
No.	⑩	⑪							
Dimension (mm)	1197	1277							

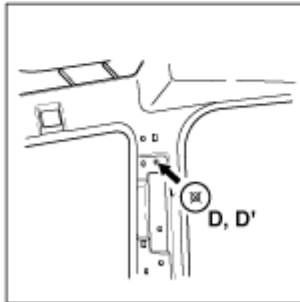
**Interior B straight-line dimensions**



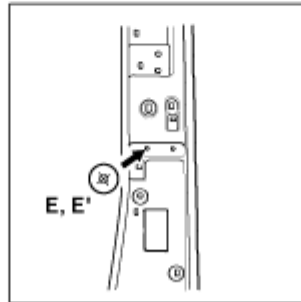
Assist handle mounting hole Ø 7



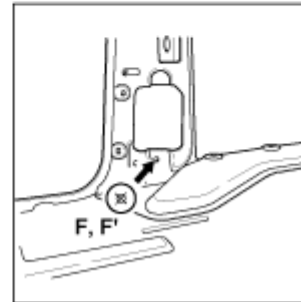
Trim location hole Ø10



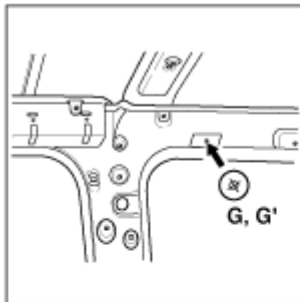
Seat belt anchor mounting hole Ø15



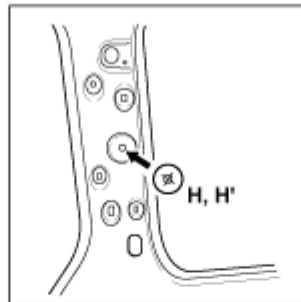
Seat belt guide mounting hole Ø 6



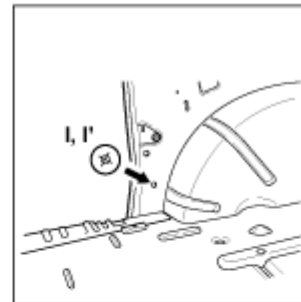
Seat belt retractor mounting hole Ø 18



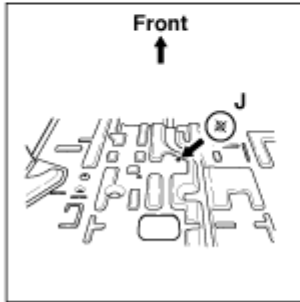
Assist handle mounting hole Ø10



Seat belt retractor mounting hole Ø15

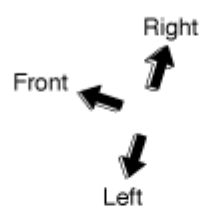
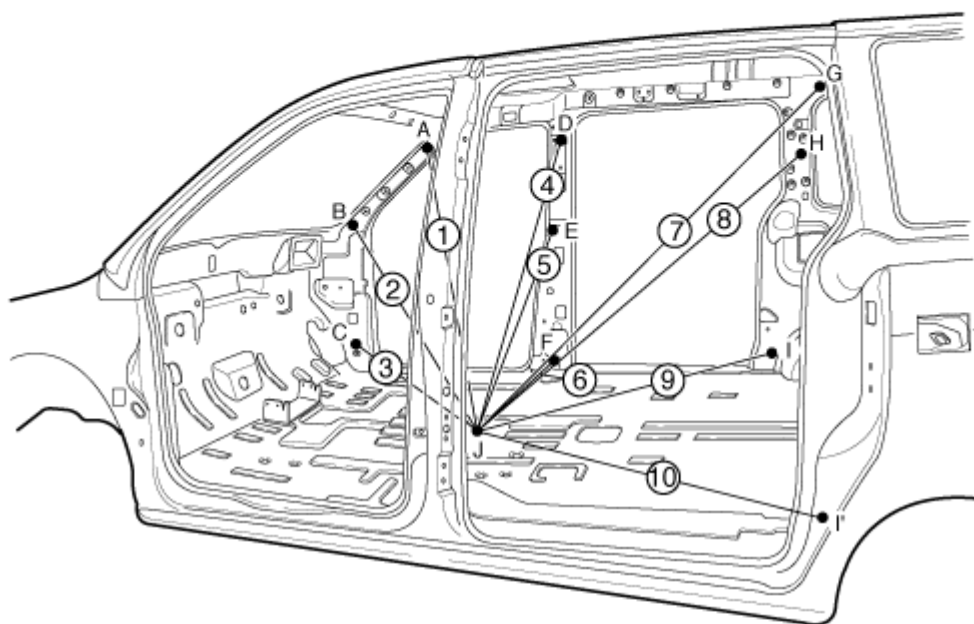


Ø15



Floor carpet mounting hole Ø 6

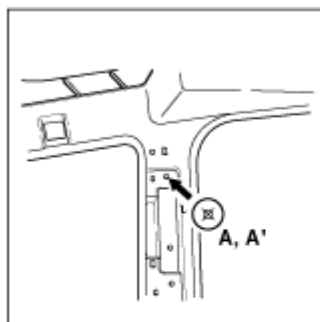




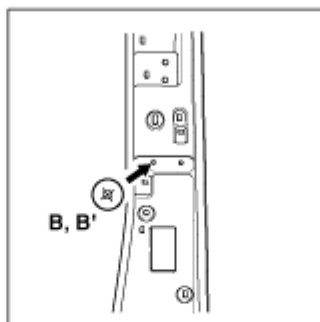
★ Right side shown, Left side is same as right except ⑩

No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨
Dimension (mm)	1333	1363	1157	1300	1075	809	1920	1703	1384
No.	⑩								
Dimension (mm)	1366								

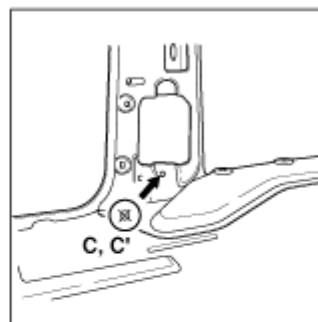
## Interior C straight-line dimensions



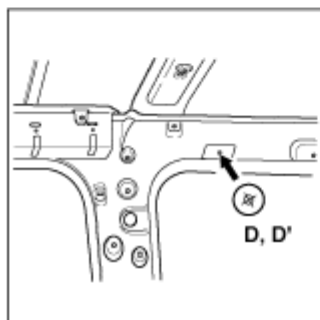
Seat belt anchor mounting hole    Ø15



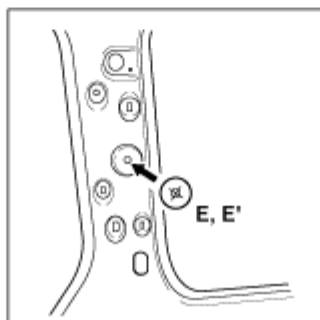
Seat belt guide mounting hole    Ø6



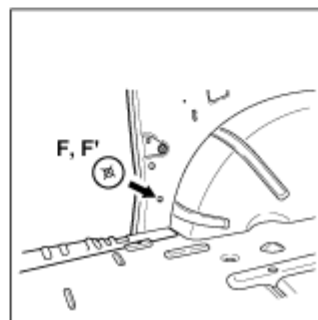
Seat belt retractor mounting hole    Ø18



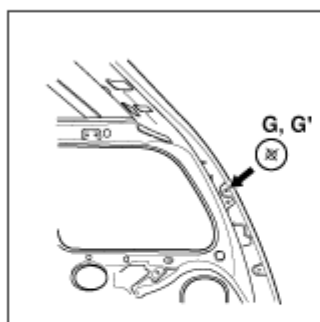
Assist handle mounting hole    Ø10



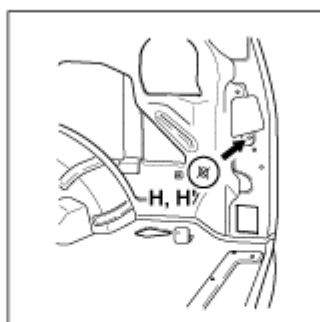
Seat belt retractor mounting hole    Ø15



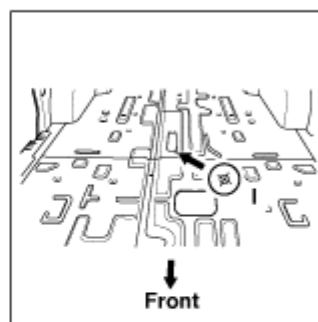
Ø15



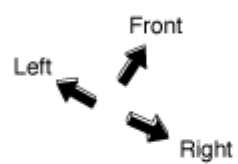
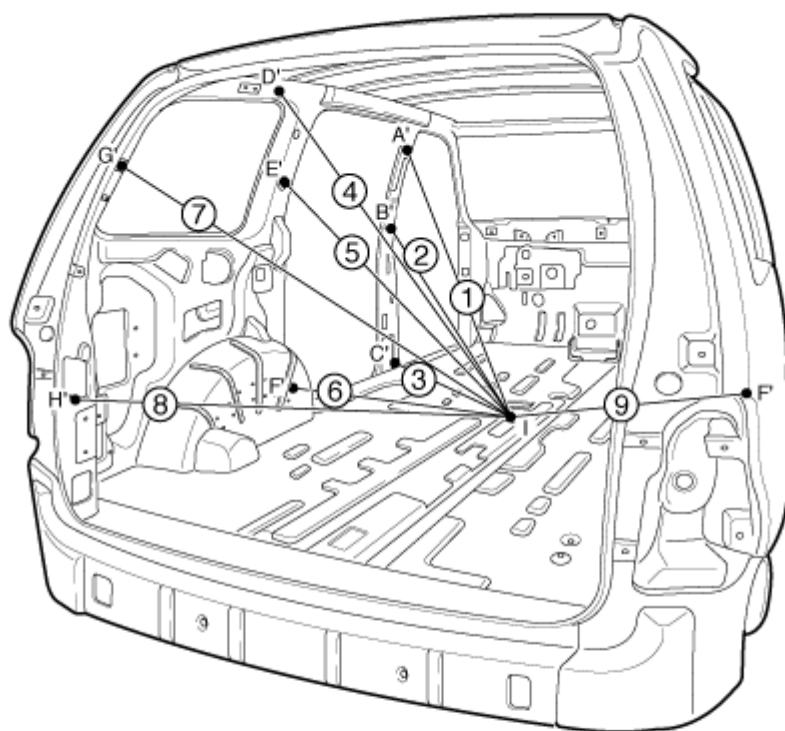
Seat belt retractor mounting hole    Ø15



Location hole    Ø15



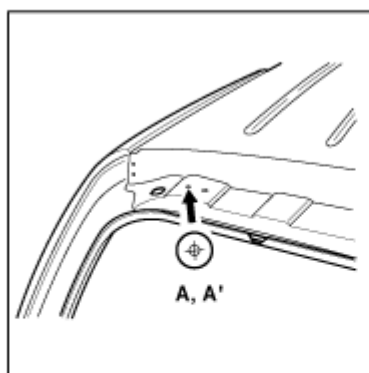
Floor mat mounting hole    Ø6



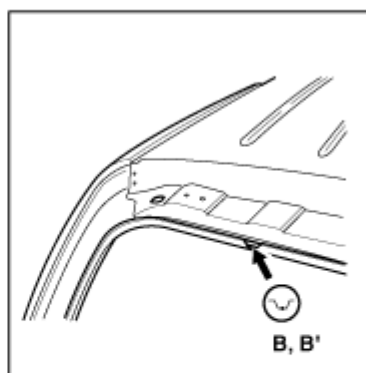
★ Right side shown, Left side is same as right except ⑨

No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨
Dimension (mm)	1378	1220	1051	1414	1212	856	1718	1654	850

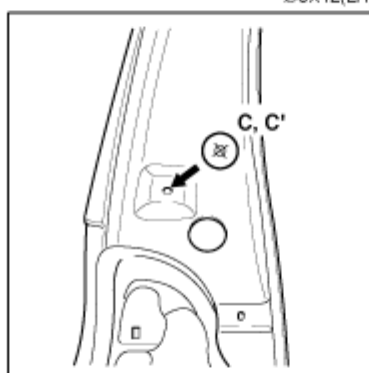
**Rear body straight-line dimensions**



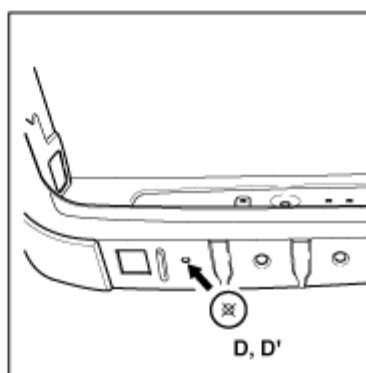
Tail gate hinge mounting hole      Ø8(RH)  
Ø8X12(LH)



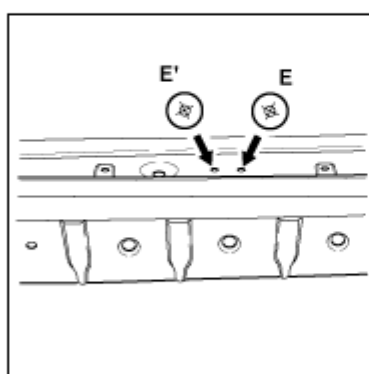
B, B'



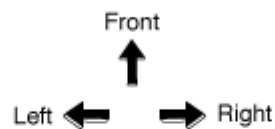
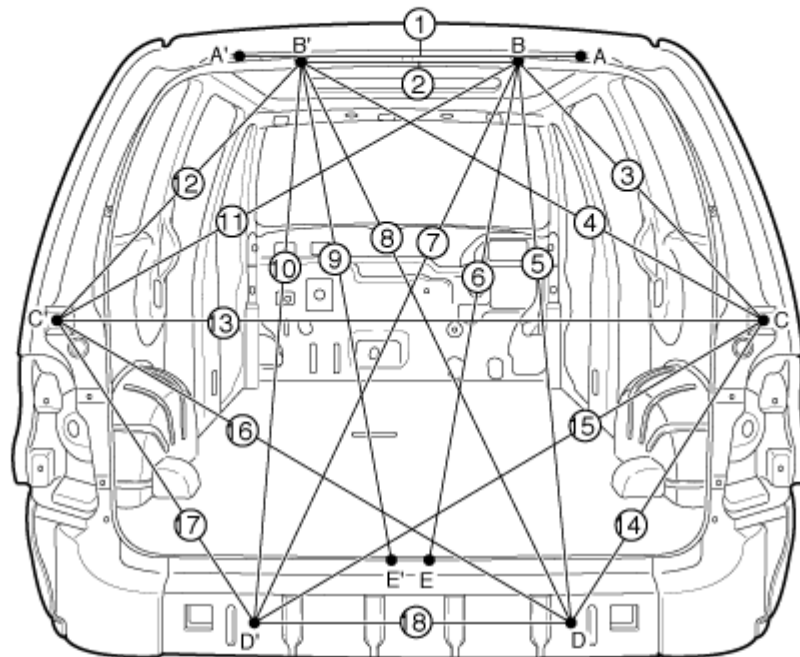
Damper stay mounting hole      Ø9



Location hole      Ø10x12(LH)  
Ø10(RH)



Tail gate striker mounting hole      Ø13

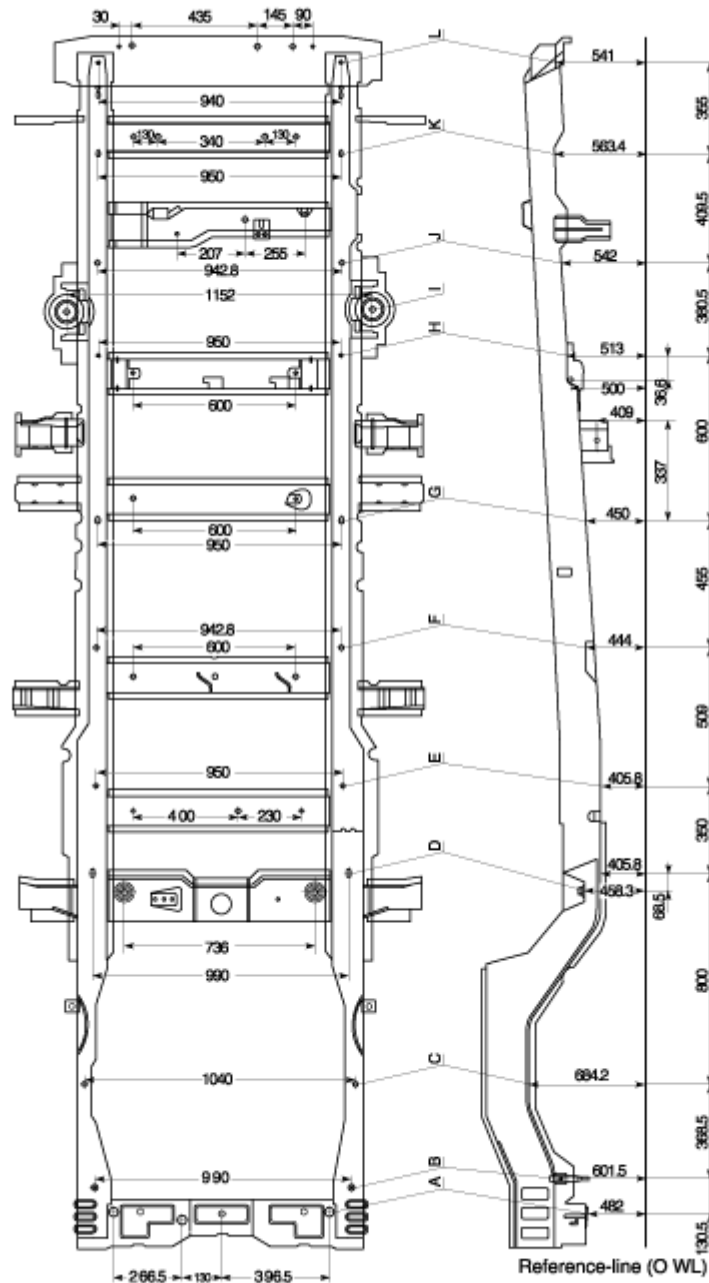


No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨
Dimension (mm)	825	500	799	1184	1230	1128	1365	1365	1128
No.	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱
Dimension (mm)	1230	1184	799	1529	747	1276	1276	747	700

### Under body Projected dimensions

Measurement point	Description	Size of hole
A	Shroud lower member drain hole	Ø20
B	Sub frame bracket mounting hole (front)	Ø26
C	Front frame location hole	Ø20
D	Front frame location hole	Ø20 x 26
E	Datum hole	Ø16
F	Center frame hole	Ø7

G	Substitute datum hole	Ø16 x 20
H	Rear frame location hole	Ø16
I	Panhard rod bracket hole	Ø30
J	Rear frame location hole	Ø16 x 20
K	Bumper bracket mounting hole	Ø12



Unit : mm

### Under body Straight-line dimensions

Measurement point	Description	Size of hole
A	Sub frame bracket mounting hole (front)	Ø26





# **Body (Interior and Exterior)**

Exterior - Hood

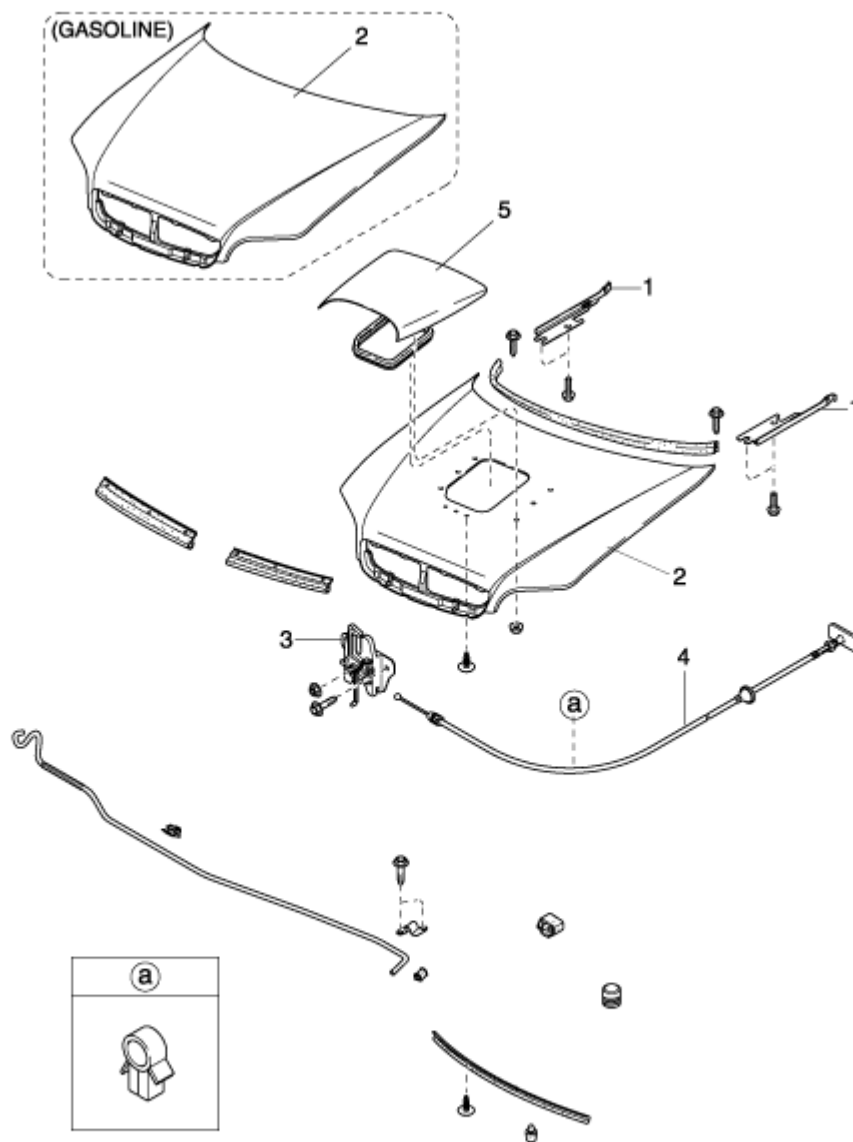




## Description

The hood is a front-opening type secured by a standard double-release latch. The hood release T-handle is located below and to the left of the steering column. When the hood is opened, it pivots on two hinges and is held open by a hood prop. The two hinges are secured to the body with two bolts and to the hood with two bolts on each hinge. The hood can be aligned fore-and-aft and side-to-side by loosening the hood bolts and adjusting. The hood latch can be adjusted in both axes to match the position of the permanently attached striker.

## Components



- 1. Hinge assembly
- 2. Hood
- 3. Lock assembly

- 4. Release wire assembly
- 5. Air guide assembly



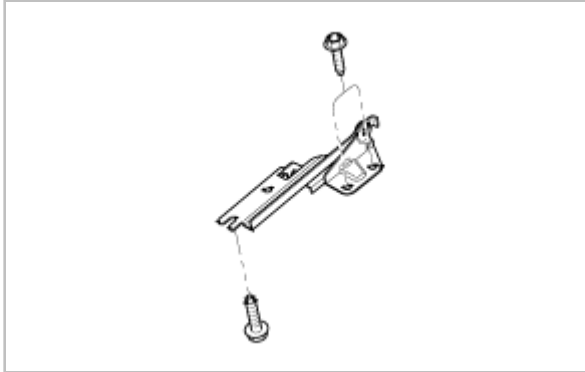
## Removal

1. Raise hood and support with prop.
2. Remove the tubing from the underside of the hood.
3. Support hood so it will not fall when hinges are removed.

### NOTICE

Have an assistant help remove hood.

4. Remove hinges from hood by removing two bolts.



5. Remove prop from hood.
6. Remove hood.

## Installation

### NOTICE

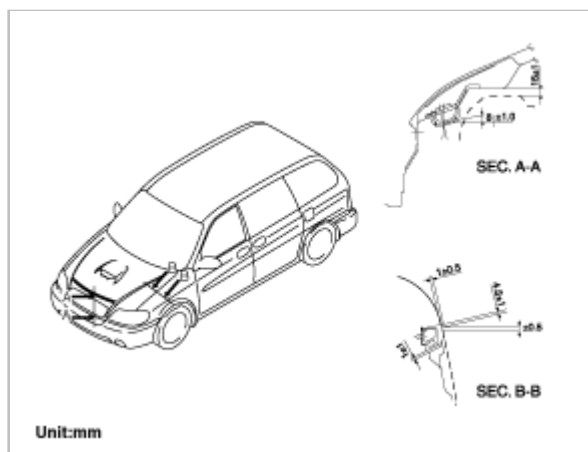
Have an assistant help install hood.

1. Install in reverse order of removal.
2. Tighten four hinge bolts to just over finger-tight.
3. Lower and lock the hood.
4. Check fit and adjust as required in accordance with illustrated specifications.

---

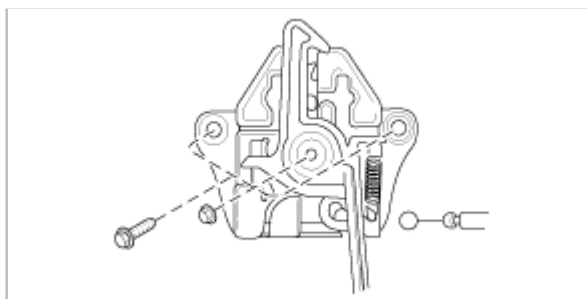
Tighten latch and bolts to :  
8~11 N·m (0.8~1.1 kg·m, 6~8 lb·ft)

---



5. Check alignment of locking mechanism and hood striker and align required.

Tighten latch and bolts to :  
 $8\sim 11\text{ N}\cdot\text{m}$  ( $0.8\sim 1.1\text{ kg}\cdot\text{m}$ ,  $6\sim 8\text{ lb}\cdot\text{ft}$ )





# **Body (Interior and Exterior)**

Exterior - Taligate

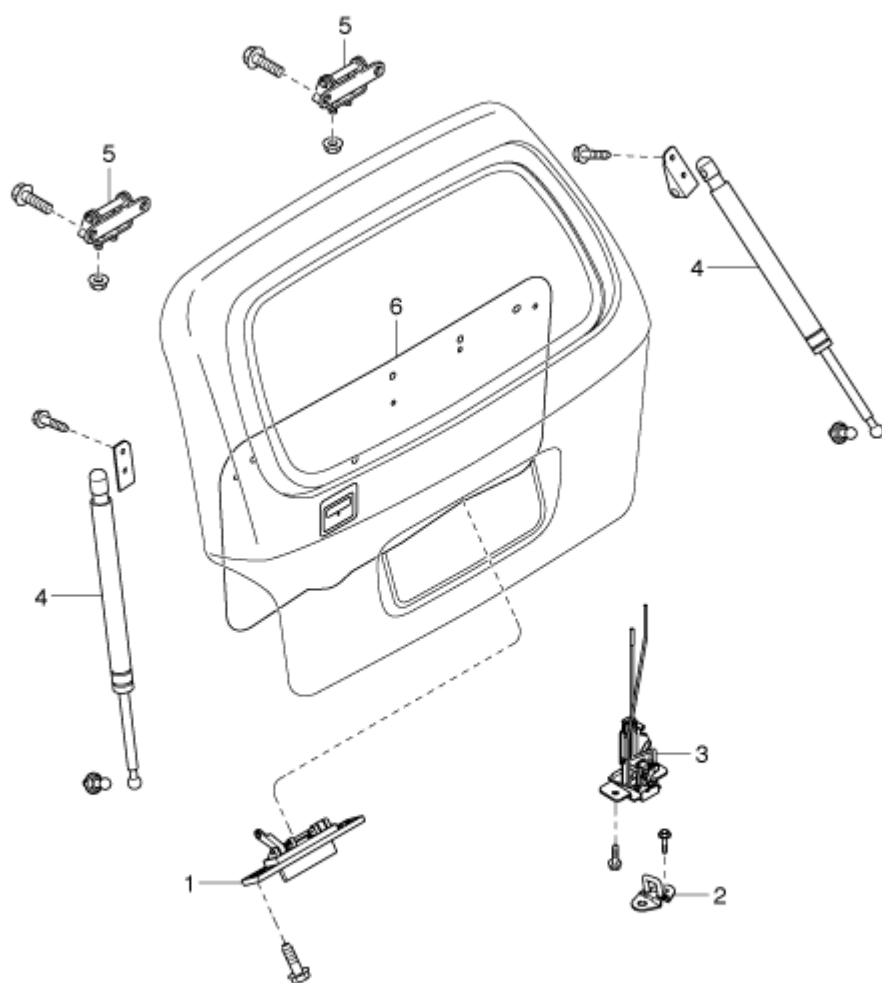


## Description

The tail gate is attached to the body by two pin-type hinges riveted to the body and bolted to the tail gate. A damper stay on either side of the tail gate provides an assist in raising the tail gate and fully supports it when it is open. A tail gate at the center-bottom of the opening secures the tail gate in the closed position. Weatherstripping on the tail gate jamb flange prevents leaks between the tail gate and the body. The tail gate is fully adjustable.

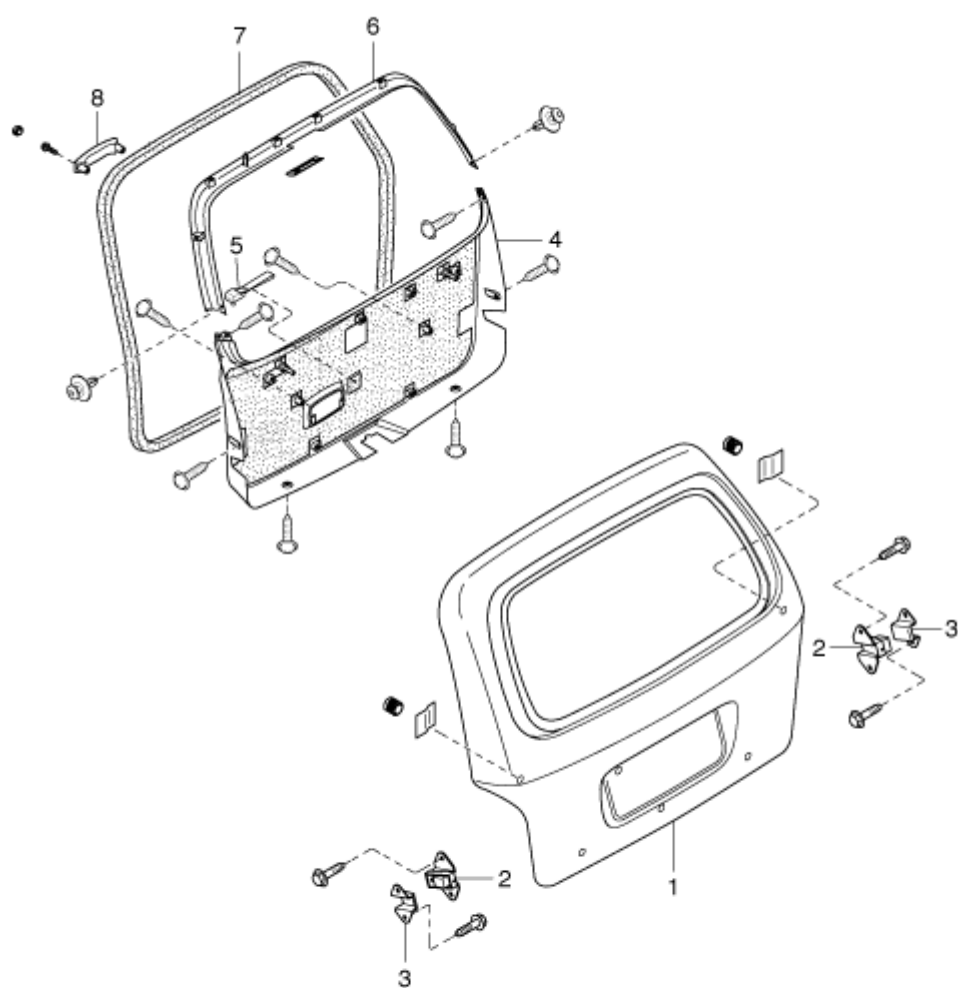


## Components



- 1. Outer handle assembly
- 2. Tail gate lock striker
- 3. Tail gate lock assembly

- 4. Damper stay assembly
- 5. Hinge sub assembly
- 6. Tail gate screen



- 1. Tail gate assembly
- 2. Tail gate dove tail
- 3. Tail gate wedge
- 4. Lower trim

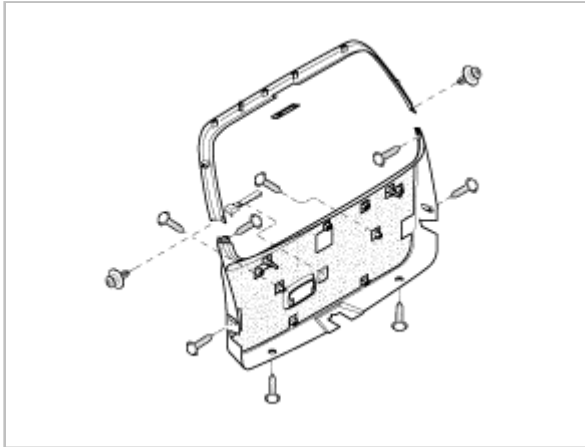
- 5. Assist grip
- 6. Upper trim
- 7. Weatherstrip
- 8. Assist handle





## Removal

1. Remove high-mounted brake light assembly.
2. Remove tail gate trim.

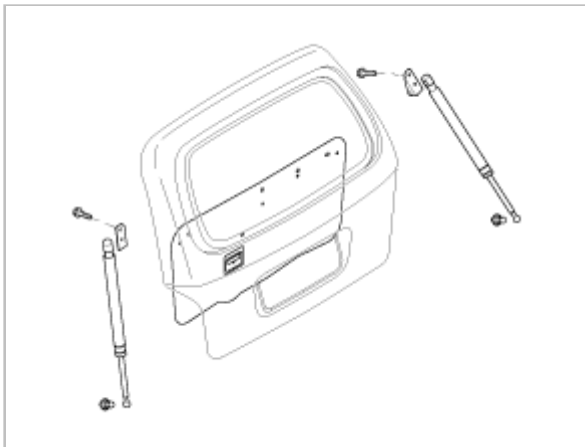


3. Peel off the plastic door screen carefully by pulling it away gradually from the door frame.

### NOTICE

Removal of the damper stay assemblies requires that the tail gate be well supported to permit it to remain in the open position so there is access to the tail gate hinges. Have an assistant help in tail gate removal.

4. Remove damper stay.



5. Remove the tail gate.
  - A. Remove one bolt from the left and right-hand hinges.

### NOTICE

The last step in the removal of the tail gate is a two-man job. Have an assistant help remove the hatch.

- B. Remove the last two bolts from the tail gate.
- C. Remove the tail gate and secure it.

## Installation

1. Install the tail gate hinge mounting bolts.
-

Tightening torque :  
18~27 N·m (1.8~2.7 kg·m, 13~20 lb·ft)

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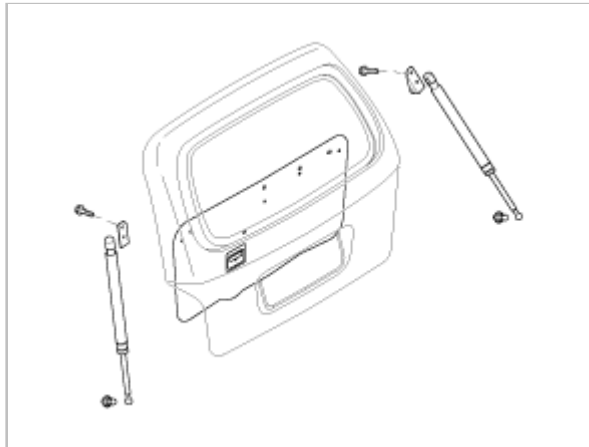
2. Install damper stay.

---

Tightening torque : bracket mounting bolts.  
7~10 N·m (0.7~1.0 kg·m, 5~7 lb·ft)

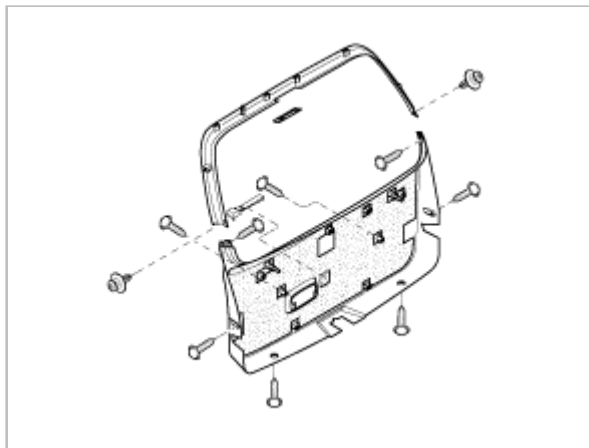
Tightening torque : stud ball nut  
15~23 N·m (1.5~2.3 kg·m, 11~17 lb·ft)

---



3. Install hatch screen.

4. Install tail gate trim.



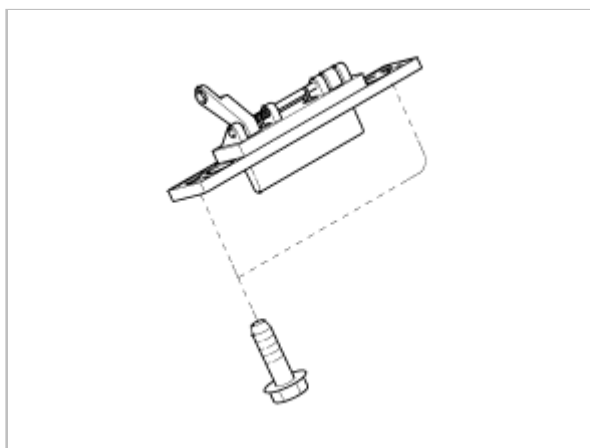
5. Install Hi-mounted brake light assembly.

## Disassembly

1. Remove tail gate lock.



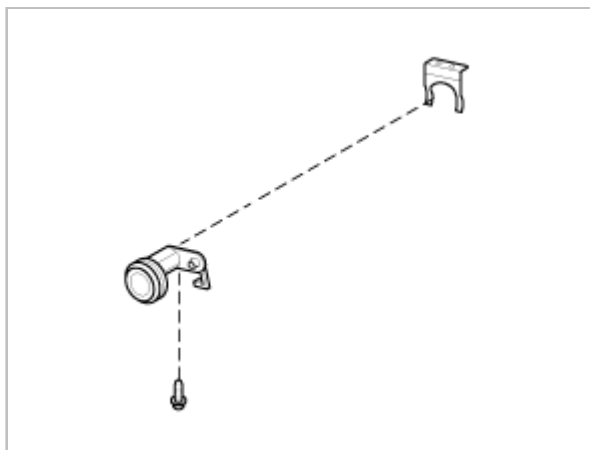
2. Remove outside handle.



3. Remove key cylinder assembly.

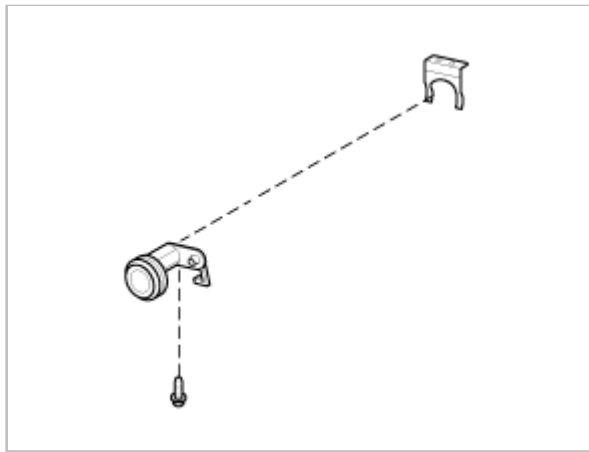
A. Remove key cylinder clip.

B. Remove mounting bolt.

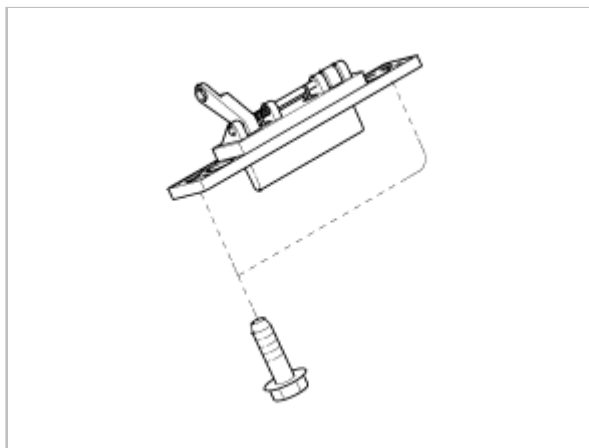


## Reassembly

1. Install key cylinder assembly.



2. Install outside handle.



3. Install tail gate lock.

---

Tightening torque :

8~10 N·m (0.8~1.0 kg·m, 6~7 lb·ft)

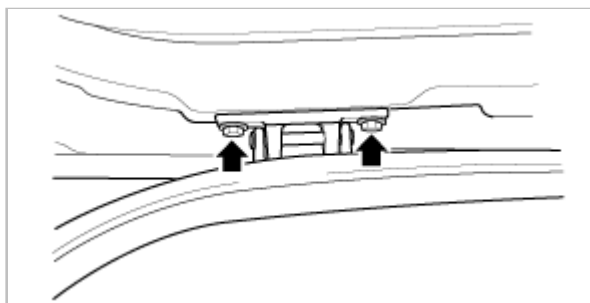
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## Adjustment

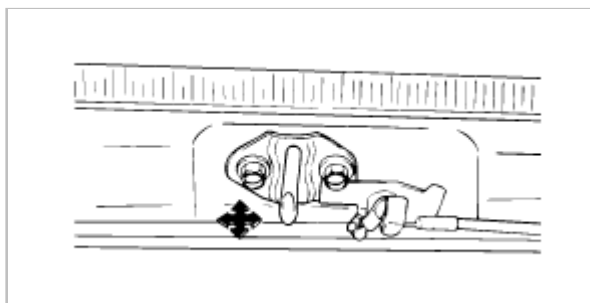
### Tail gate hinge

1. Check that the tail gate can be closed easily and that there is no play. If there is a problem, open the tail gate and tighten the tail gate hinge install bolts.
2. To adjust the tail gate-to-body offset, loosen the tail gate hinge install bolts and make the adjustment.



### **Tail gate lock striker**

1. Check that the tail gate can be closed easily. If there is a problem, loosen the striker install bolts and adjust the tail gate by moving the striker vertically and horizontally.
2. Adjust the rear offset of the tail gate to the body by moving the tail gate lock striker horizontally.





# **Body (Interior and Exterior)**

Exterior - Front Door

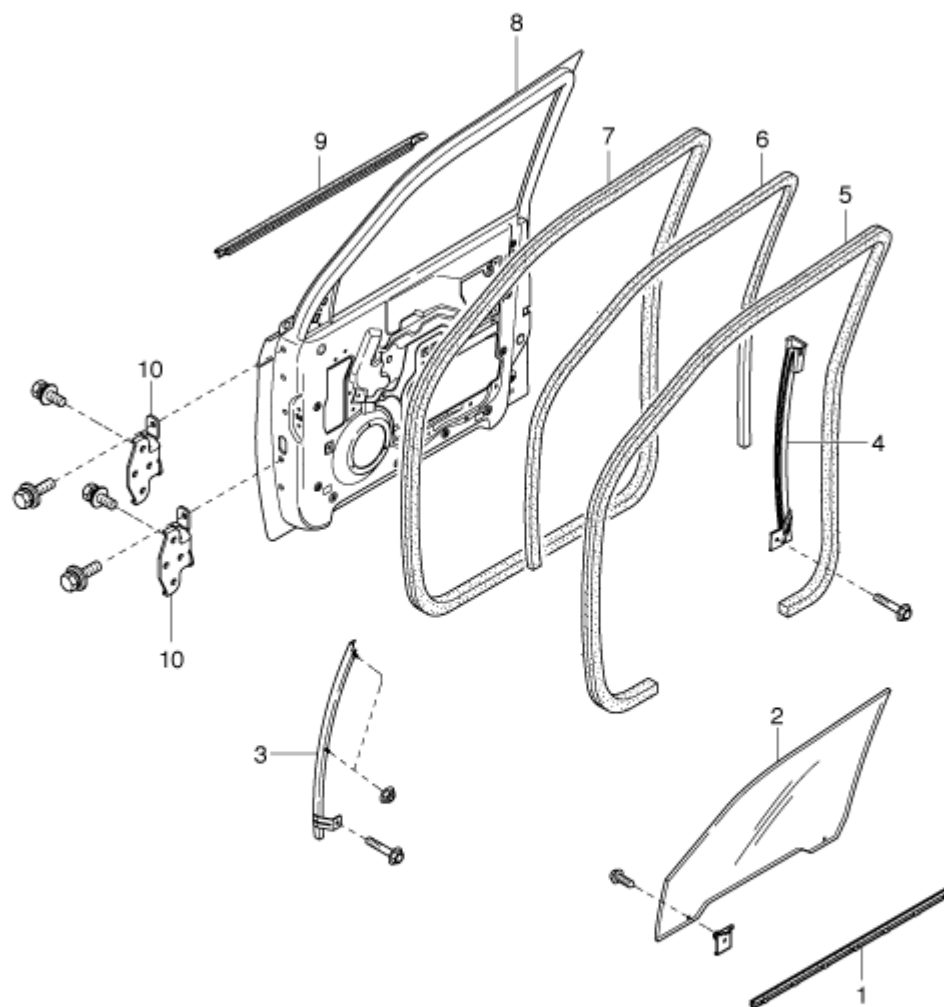


## Description and operation

The doors attached to the vehicle body by two hinges and a door checker. The door checker limits the swing of the vehicle door. A hollow rubber weather-strip is installed on the door opening flange which prevents leaks between the vehicle door and the inside of the vehicle door and the inside of the vehicle body. The door lock assembly is linked with the outside door handle, the inside door lock knob by means of connecting rods. The power window is comprised of a window regulator assembly (on which the glass is fastened), a front glass guide (which guides the movement of the glass at the front side) and a window power switch (switch for up and down movement of the glass, which is attached to the armrest). A plastic door screen covers the doorframe protecting all the components. A door trim covers the entire doorframe and has the armrest and the door pocket (also referred to as the speaker grille) attached to it. The door striker may be adjusted for proper and easy door closure.



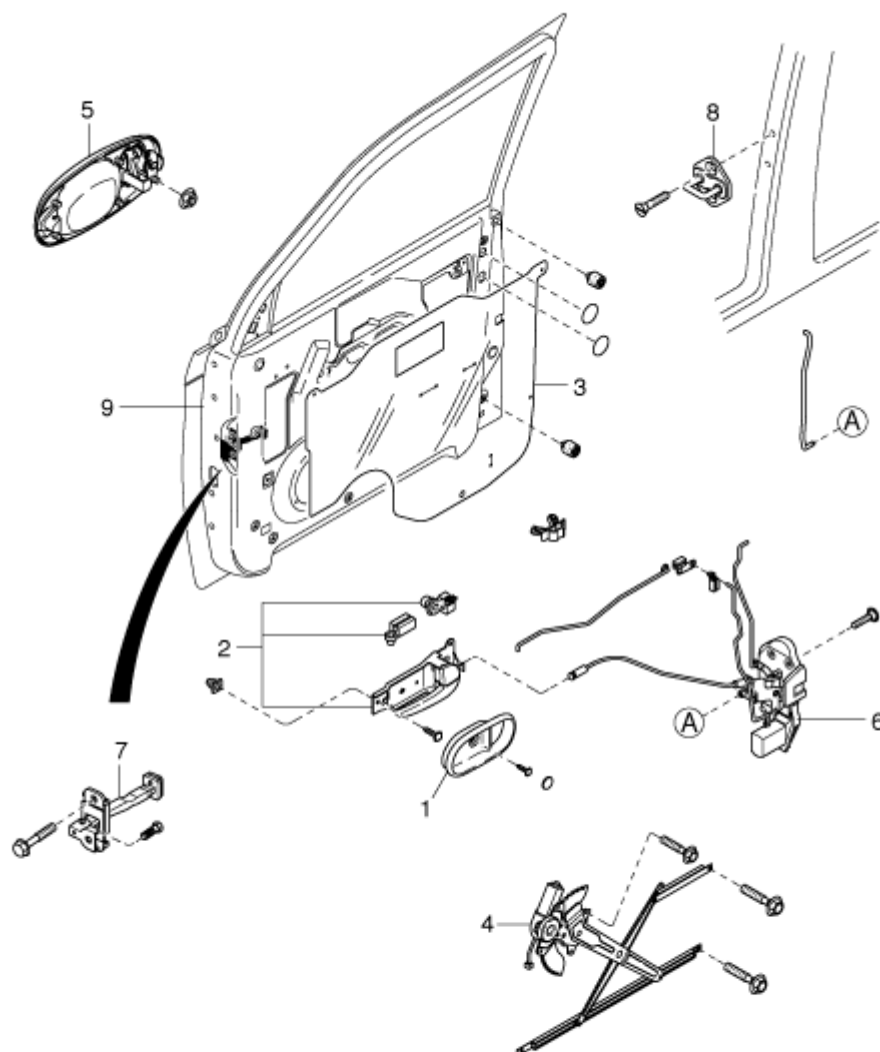
## Components



1. Glass inner weatherstrip
2. Door glass
3. Glass guide
4. Glass guide B
5. Door weatherstrip

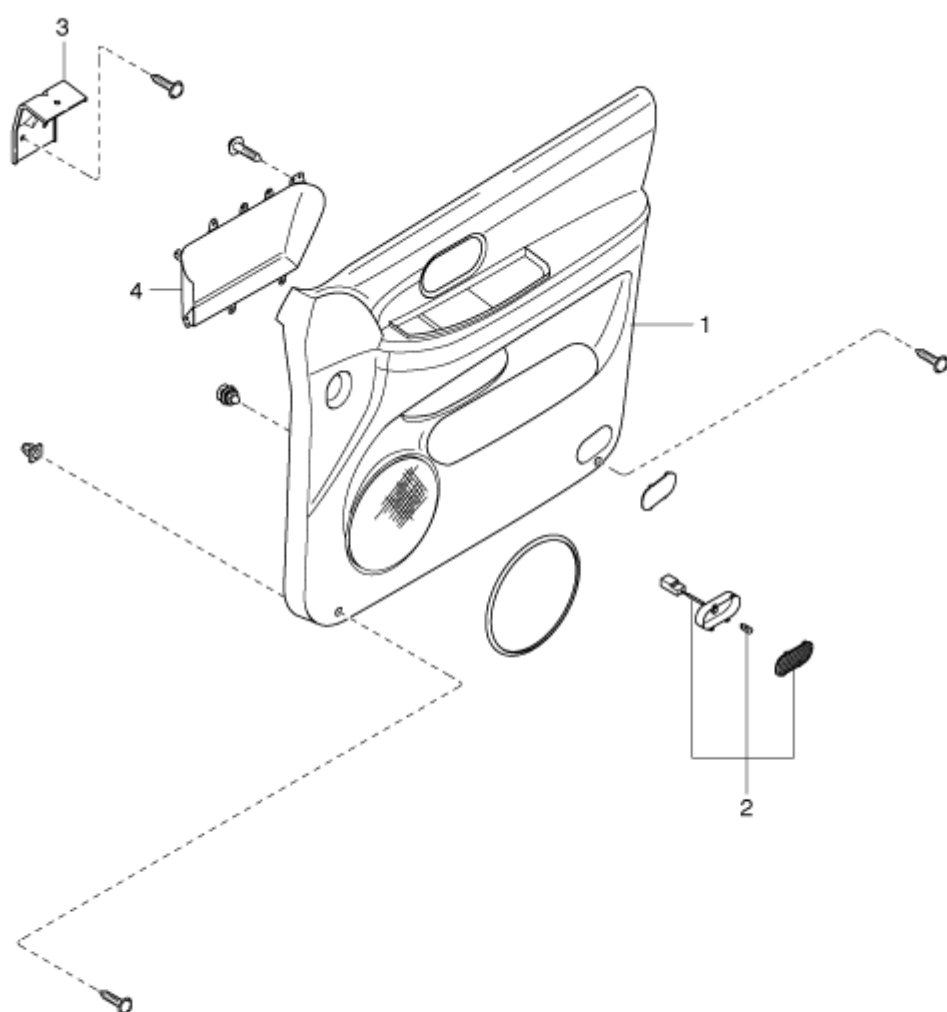
6. Glass run channel
7. Door weatherstrip
8. Door panel assembly
9. Door outer glass weatherstrip
10. Door hinge





1. Inner handle cover
2. Inner handle assembly
3. Door screen
4. Window regulator assembly
5. Outer handle

6. Door lock assembly
7. Door checker
8. Door striker
9. Door frame



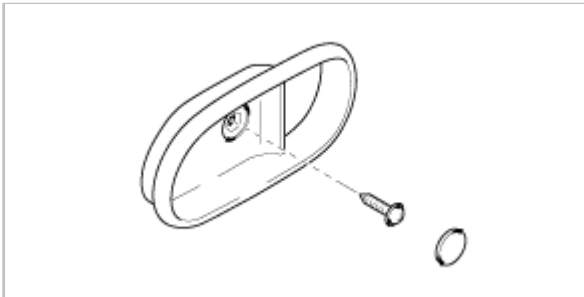
1. Front door trim assembly  
2. Courtesy lamp

3. Pull handle bracket  
4. Pocket cover

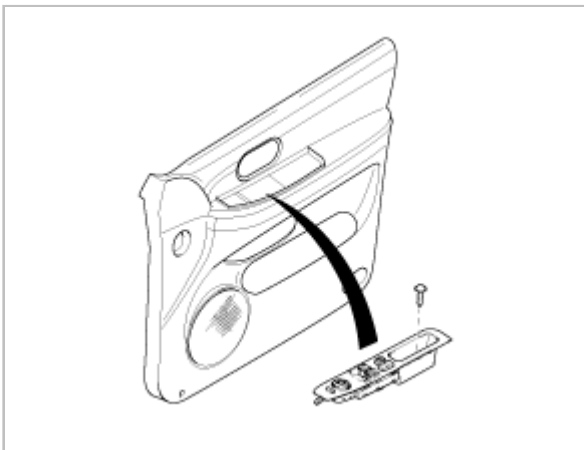


## Removal

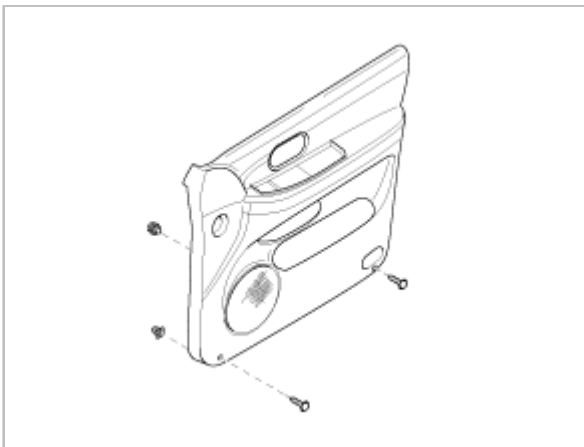
1. Disconnect negative battery cable.
2. Remove door trim.
  - A. Remove door garnish.
  - B. Remove one screw on the inside door handle cover.



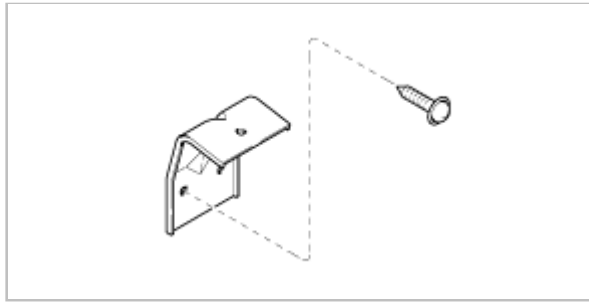
- C. Remove inside door handle cover.
- D. Remove one screw on the pull handle.



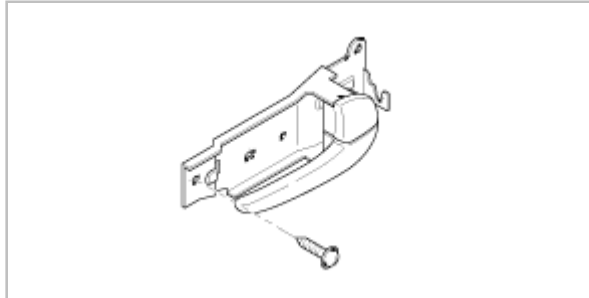
- E. Remove three screws on the trim.



- F. Remove door trim by lifting it up.
  - G. Disconnect window operating switch connectors.
3. Remove two screws on the pull handle bracket.



4. Remove inside door handle.



A. Disconnect inside door handle rod.

B. Remove three screws on the inside door handle.

5. Peel off the plastic door screen carefully by pulling it away gradually from the door frame.

6. Remove door speaker.

A. Remove three screws on the door speaker.

B. Unfasten the harness connector from the door frame.

C. Pull out the speaker and disconnect the connectors.

7. Remove run channel.

8. Remove window glass.

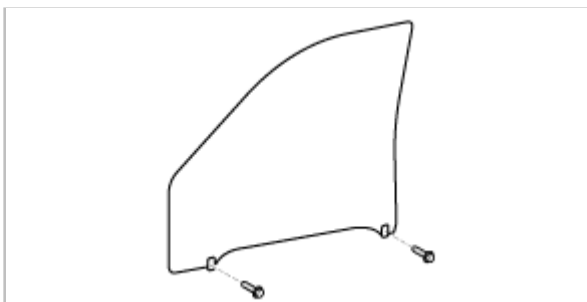
A. Reconnect window operating switch.

B. Turn the ignition "ON" and position the window glass about halfway.

C. Turn the ignition "OFF".

D. Remove two glass mounting bolts from the power window regulator.

E. Remove glass carefully; hold the glass from both its inner and outer surfaces. While tilting it toward the hinge side of the door, pull it out from outside the door frame.

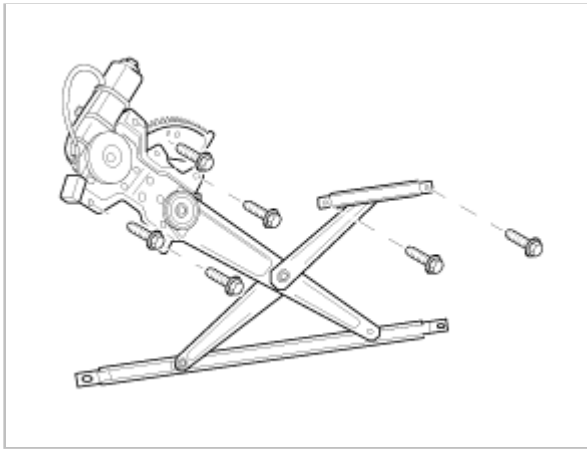


9. Remove regulator assembly.

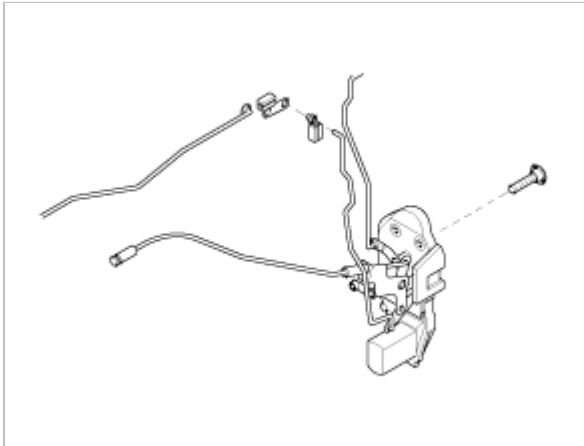
A. Disconnect electrical connector for the regulator assembly motor.

B. Remove six bolts on the door frame.

C. Remove regulator assembly from out of access hole.



10. Remove glass guide.
  - A. Remove two bolts and one nut on the glass guide.
  - B. Remove glass guide from access hole.
11. Remove door lock assembly.
  - A. Disconnect two remote control rods from outside door handle assembly.
  - B. Remove three screws from door lock assembly and remove assembly from access hole.



12. Remove mounting bolts from outside door handle.
13. Remove rearview mirror from door.
  - A. Disconnect electrical connector.
  - B. Remove three mounting screws and remove mirror.
14. Remove wiring harness.
  - A. Disconnect harness connectors from inner door frame.
  - B. Pull out wiring harness from access hole.
15. Remove door checker installation bolt from body.
16. Remove door by removing bolts on both hinges.

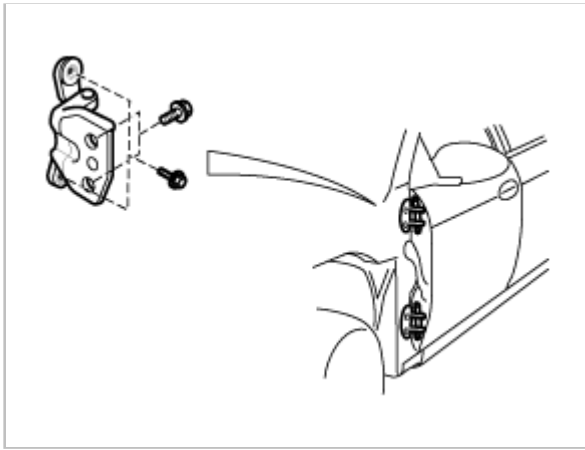
## Installation

1. Install the door.
  - A. Position the door on the vehicle properly.
  - B. Install the bolts on both the hinges.

---

Tightening torque :  
 18~30 N·m (1.8~3.0 kg·m, 13~22 lb·ft)

---



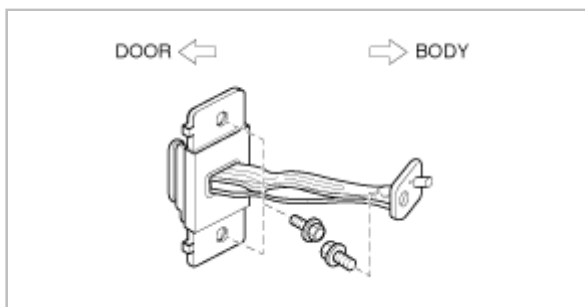
2. Install the dust weatherstrip.
3. Install the door checker assembly
  - A. Install one bolt.

---

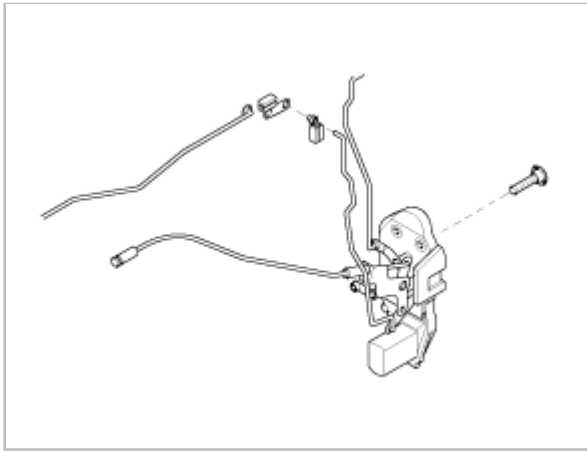
Tightening torque : Body side  
 18~27 N·m (1.8~2.7 kg·m, 13~20 lb·ft)

Tightening torque : Door side  
 12~26 N·m (1.2~2.6 kg·m, 9~19 lb·ft)

---



4. Install the wiring harness.
  - A. Position the wiring harness in the access hole.
  - B. Fasten the five harness connectors onto the door frame.
5. Install rearview mirror on the door.
  - A. Position the rearview mirror on the door as originally positioned.
  - B. Install the three mounting screws.
  - C. Connect the electrical connector.
6. Install outside door handle.
7. Install door lock assembly.



A. Position it as originally positioned through the access hole.

B. Install three mounting bolts.

---

Tightening torque :

4~6 N·m (0.4~0.6 kg·m, 3~5 lb·ft)

---

C. Connect the two remote control rods of the door lock assembly to the outside door handle.

8. Install the glass guide.

A. Position the glass guide as originally positioned through the access hole.

B. Install two bolts and one nut.

9. Install the regulator assembly.

A. Position the regulator assembly through the access hole.

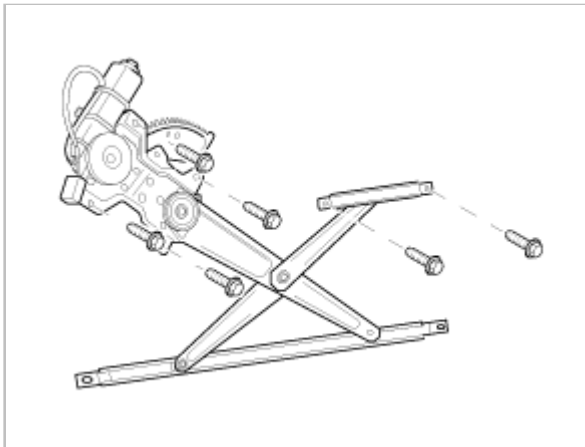
B. Install six mounting bolts.

---

Tightening torque :

3~4 N·m (0.3~0.4 kg·m, 2~3 lb·ft)

---



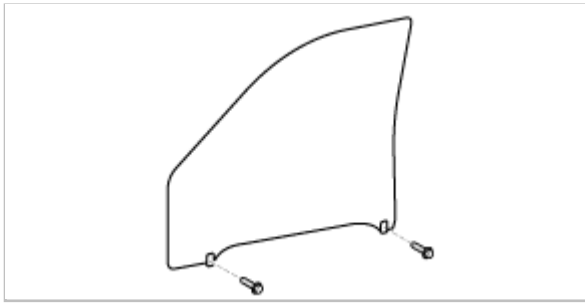
C. Connect the electrical connector for the motor of the regulator assembly.

10. Install window glass.

A. Position the glass carefully :

Hold the glass from both its inner and outer surfaces. While tilting it towards the hinge side of the door, place it on the small bracket on the window regulator assembly.

B. Loosely install two glass mounting bolts on the power window regulator assembly.



- C. Reconnect the window operating switch.
- D. Connect the negative battery cable.
- E. Turn on the ignition and move the glass up and down to ensure proper function.
- F. Make adjustments as necessary.
- G. Turn off the ignition.

#### CAUTION

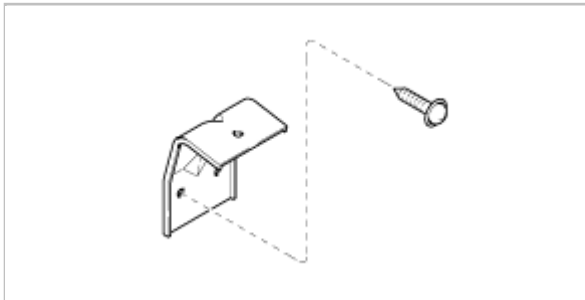
When removing or installing any electrical units wiring or electrical connectors, disconnect the negative battery cable to prevent possible short circuits which could lead to personal injury and/or property damage.

- H. Disconnect the negative battery cable.
- I. Tighten two glass mounting bolts on the power window regulator assembly.
- J. Connect the negative battery cable.
- K. Turn on the ignition.
- L. Position the window all the way down.
- M. Turn off the ignition.

#### CAUTION

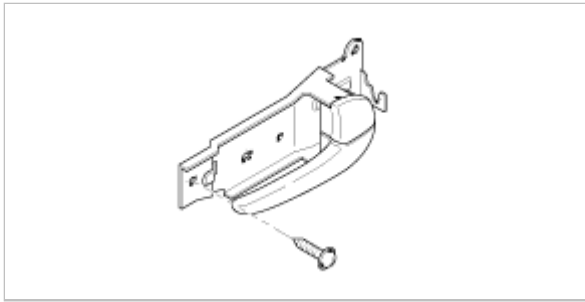
When removing or installing any electrical units wiring or electrical connectors, disconnect the negative battery cable to prevent possible short circuits which could lead to personal injury and/or property damage.

- 11. Install the run channel. Use soap and water for lubrication.
- 12. Install the plastic door screen.
  - A. Fasten the plastic door screen.
  - B. Pull out the electrical harness connector from the plastic door screen.
  - C. Pull out the remote control rod for the inside door handle from the plastic door screen.
- 13. Install the door speaker with four mounting screws.
- 14. Install the pull handle bracket with two mounting screws.



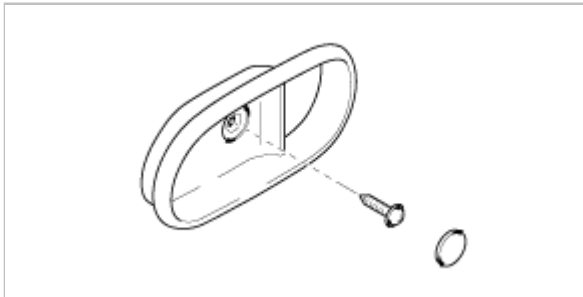
- 15. Install the inside door handle with three mounting screws.



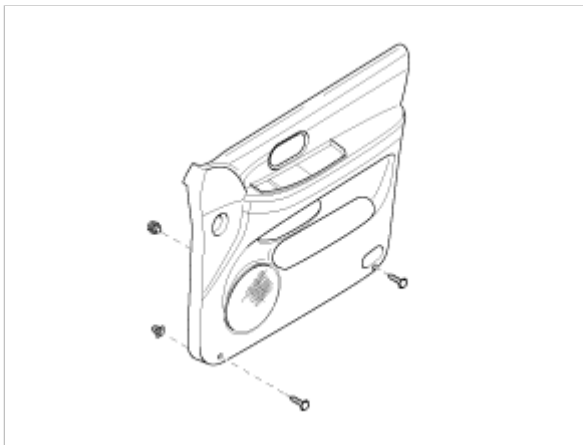


16. Install door trim

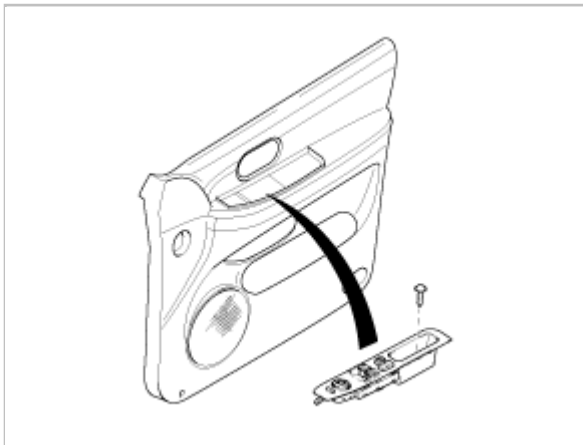
- A. Install the door trim by lifting it up.
- B. Connect the electrical connector.
- C. Install the inner door handle cover with one mounting screw.



- D. Fasten the door trim.
- E. Install three mounting screws.



- F. Install the screw on the pull handle.



17. Install inner door garnish.

18. Install inner weatherstrip.
19. Connect negative battery cable.

## Adjustment

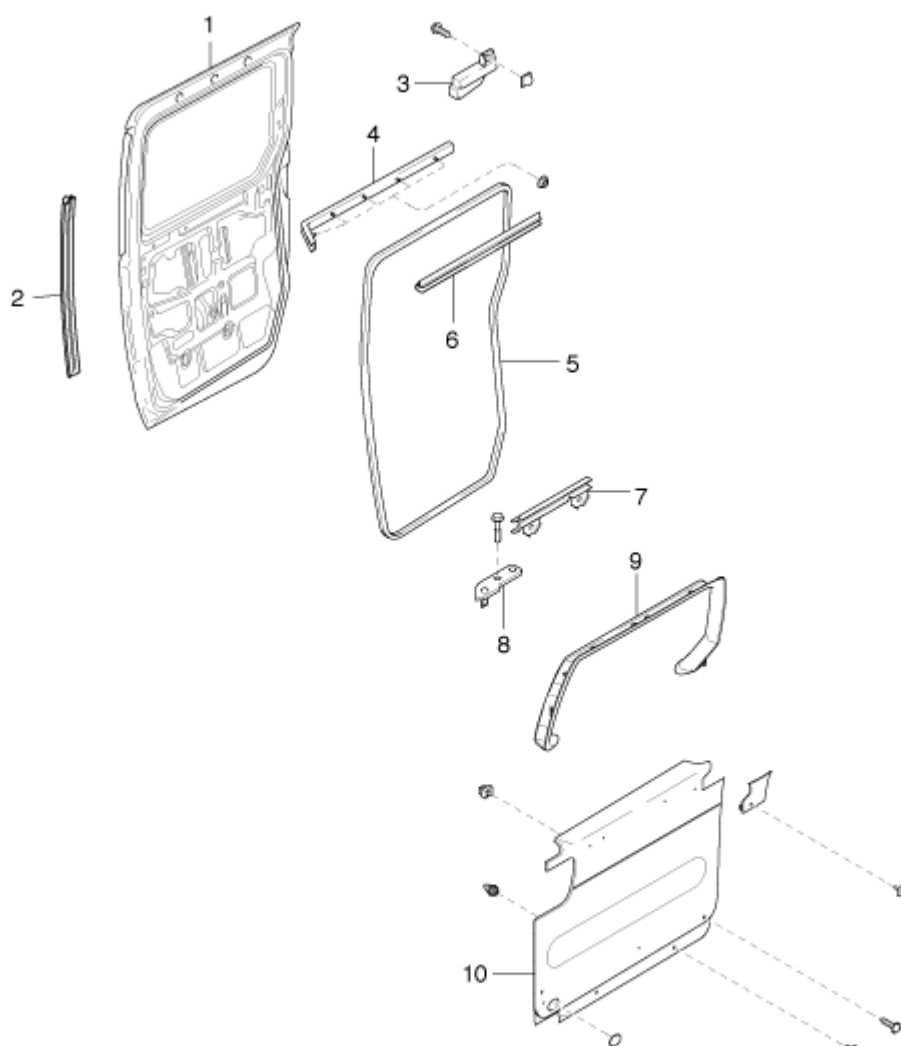
1. Check that door can be closed easily and properly. If door is loose, tighten door hinge installation bolts.
2. To adjust door-to-body offset, loosen door hinge installation bolts and make adjustment.
3. Check that door can be closed easily and properly. If there is a problem, loosen striker installation bolts and adjust door by moving striker vertically and horizontally.
4. Adjust rear offset of door to body by moving door lock striker horizontally.

# **Body (Interior and Exterior)**

Exterior - Rear Door

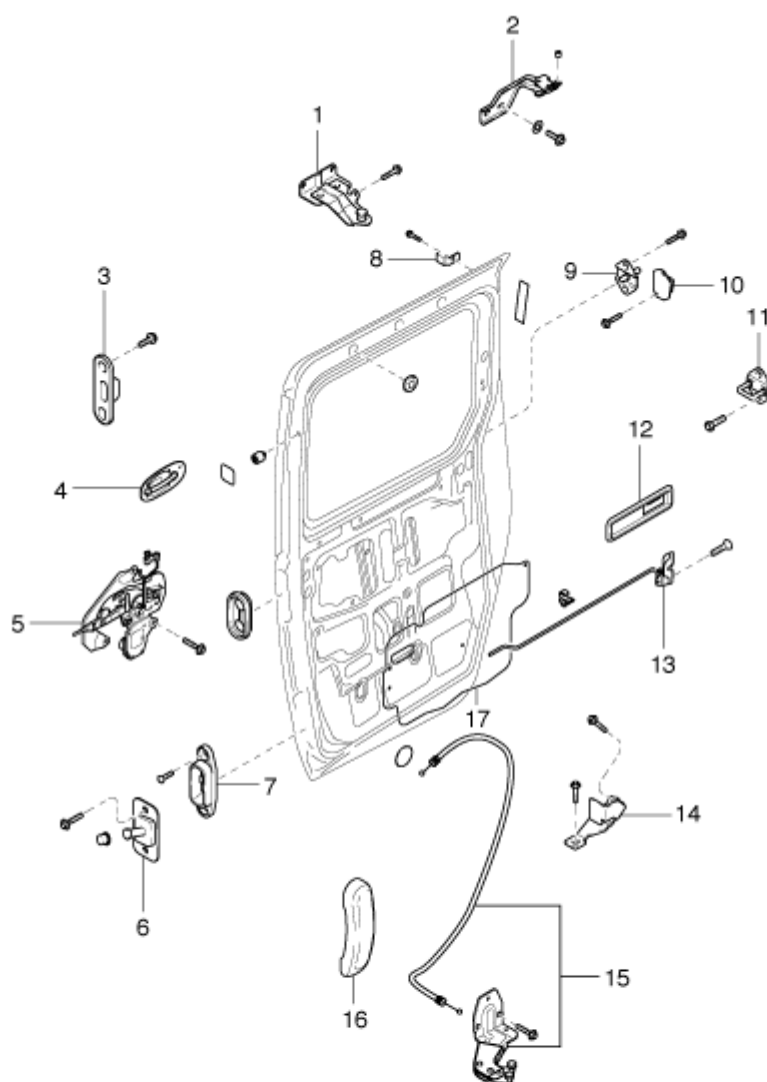


## Components



1. Door assembly
2. Door molding
3. Guide rail protector
4. Guide rail assembly
5. Door weatherstrip

6. Rain rail weatherstrip
7. Lower rail guide
8. Hold open lock striker assembly
9. Door upper trim assembly
10. Door lower trim assembly

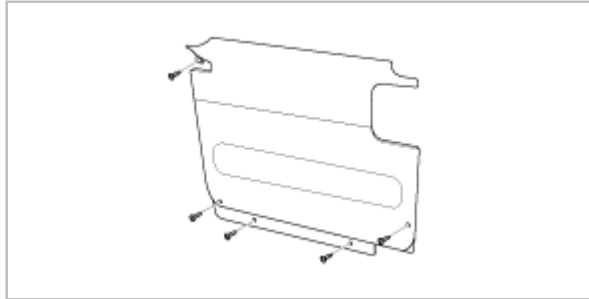


- |                           |                          |                                   |
|---------------------------|--------------------------|-----------------------------------|
| 1. Upper roller assembly  | 7. Female wedge          | 13. Side door lock assembly       |
| 2. Center roller assembly | 8. Center stopper        | 14. Lower roller bracket assembly |
| 3. Male wedge             | 9. Safety lock striker   | 15. Lower roller assembly         |
| 4. Outer handle assembly  | 10. Fuel lid safety lock | 16. Inner handle assembly         |
| 5. Remote controller      | 11. Door lock striker    | 17. Door screen                   |
| 6. Pole assembly          | 12. Center roller cover  |                                   |

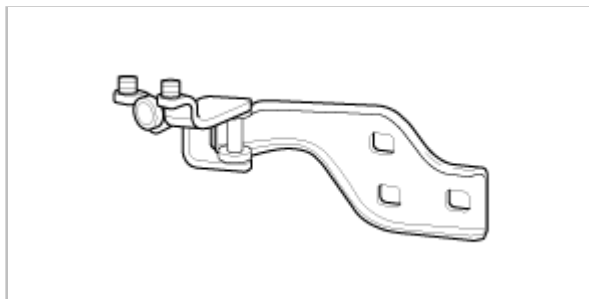


## Removal

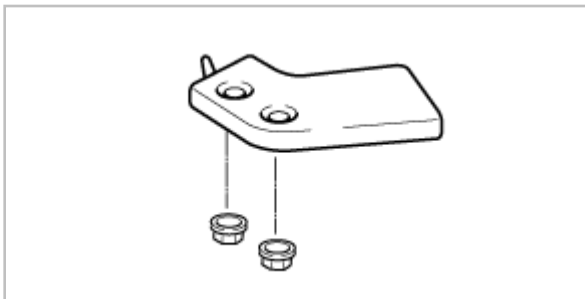
1. Disconnect negative battery cable.
2. Remove three mounting screws and lower roller cover.
3. Remove screws and door trim.



4. Peel off the plastic door screen carefully by pulling it away gradually from the door frame.
5. Remove center roller.

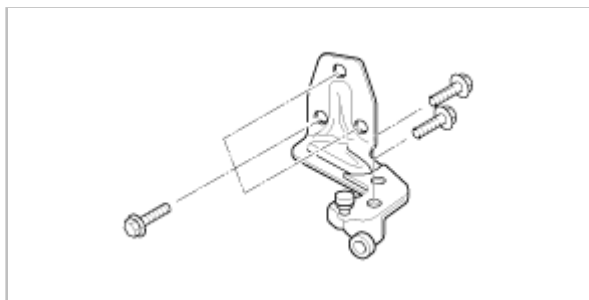


6. Remove door hold open lock.
  - A. Remove two mounting bolts on door hold open lock.

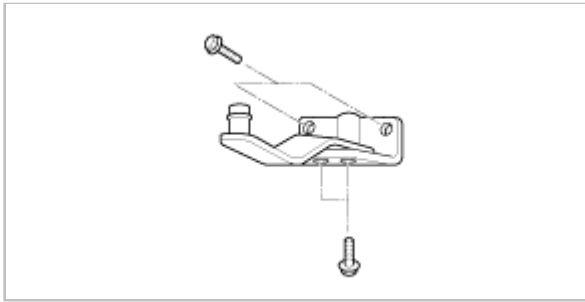


- B. Remove cable from door hold open lock.

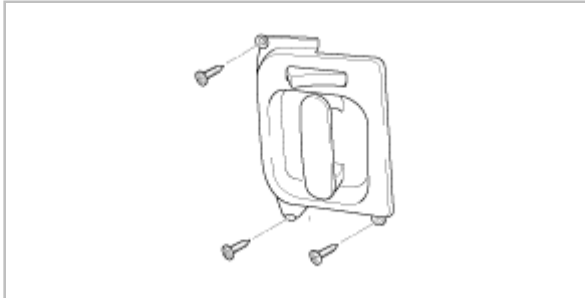
7. Remove three mounting bolts and lower roller.



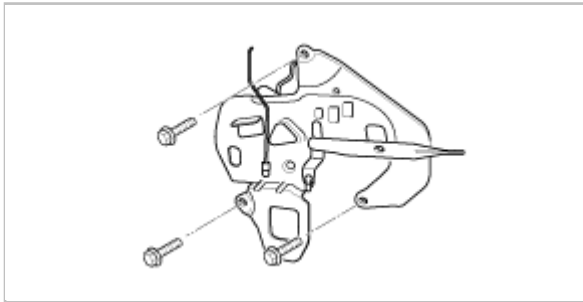
8. Remove mounting bolts and upper roller.



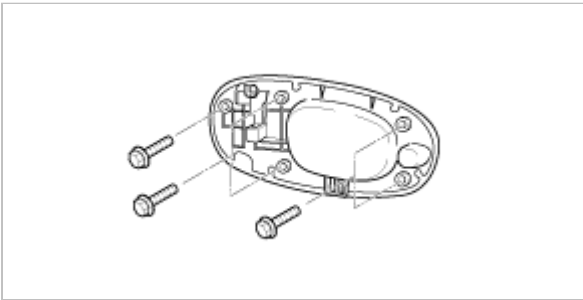
9. Remove three mounting bolts and Inner handle.



10. Remove remote controller.



11. Remove five mounting bolts and outside handle assembly.



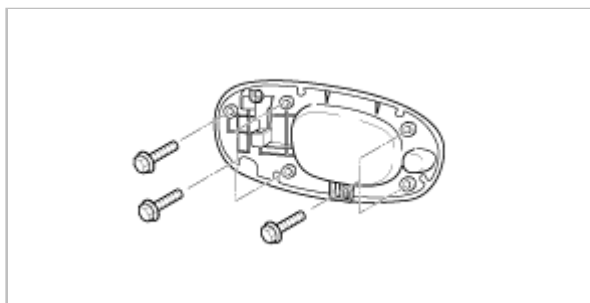
## Installation

1. Install outside handle.

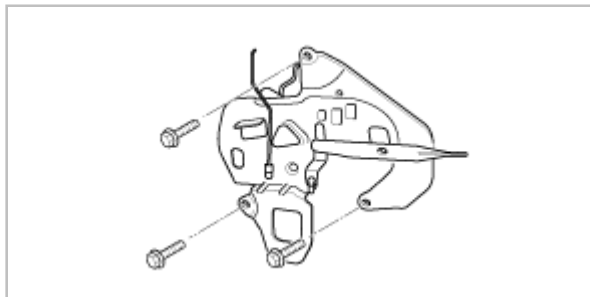
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Tightening torque :  
 7~10 N·m (0.7~1.0 kg·m, 5~7 lb·ft)

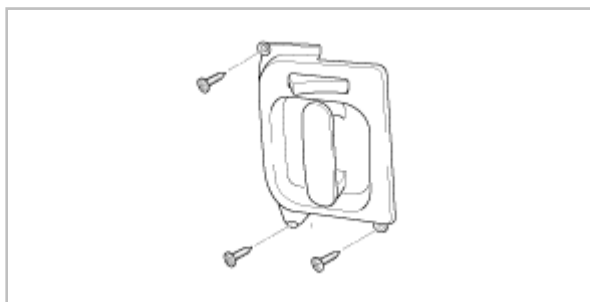
---



2. Install remote controller.



3. Install inner handle.

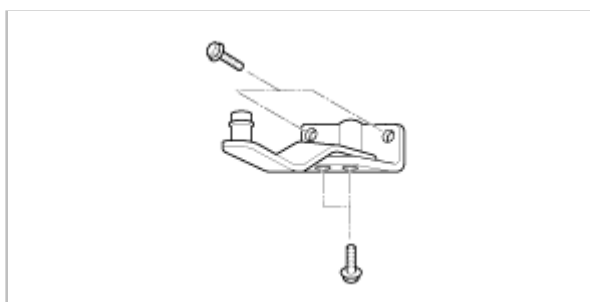


4. Install upper roller.

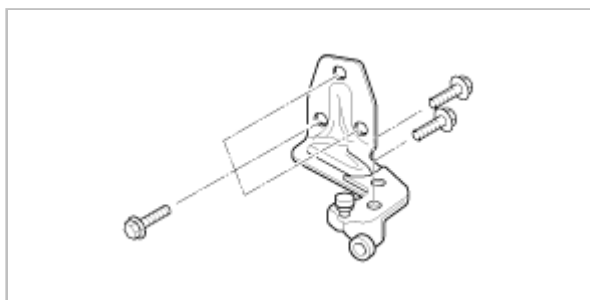
---

Tightening torque :  
18~27 N·m (1.8~2.7 kg·m, 13~20 lb·ft)

---

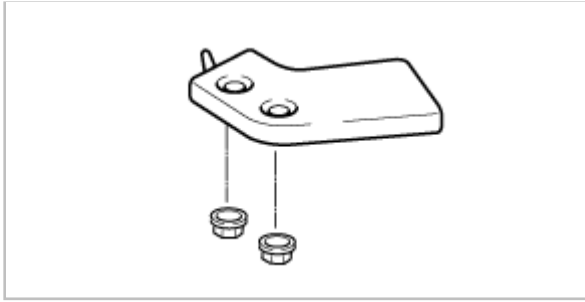


5. Install lower roller.





6. Install door hold open lock.

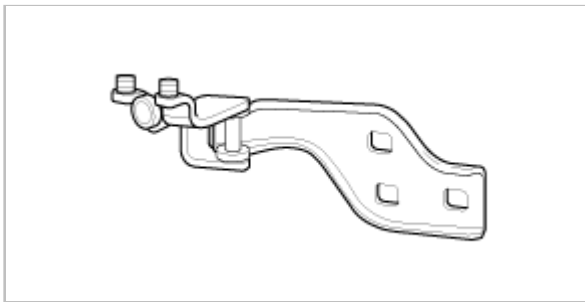


7. Install center roller.

---

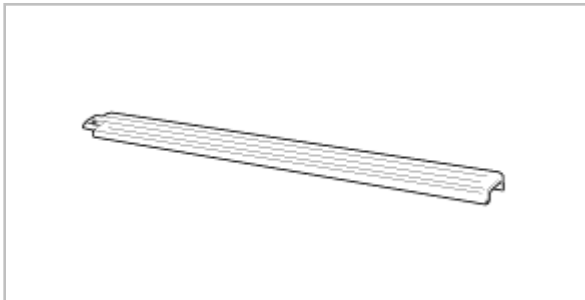
Tightening torque :  
18~27 N·m (1.8~2.7 kg·m, 13~20 lb·ft)

---



8. Install door screen.

9. Install lower roller guide cover.





# **Body (Interior and Exterior)**

Exterior - Body Side Moldings



## Description and operation

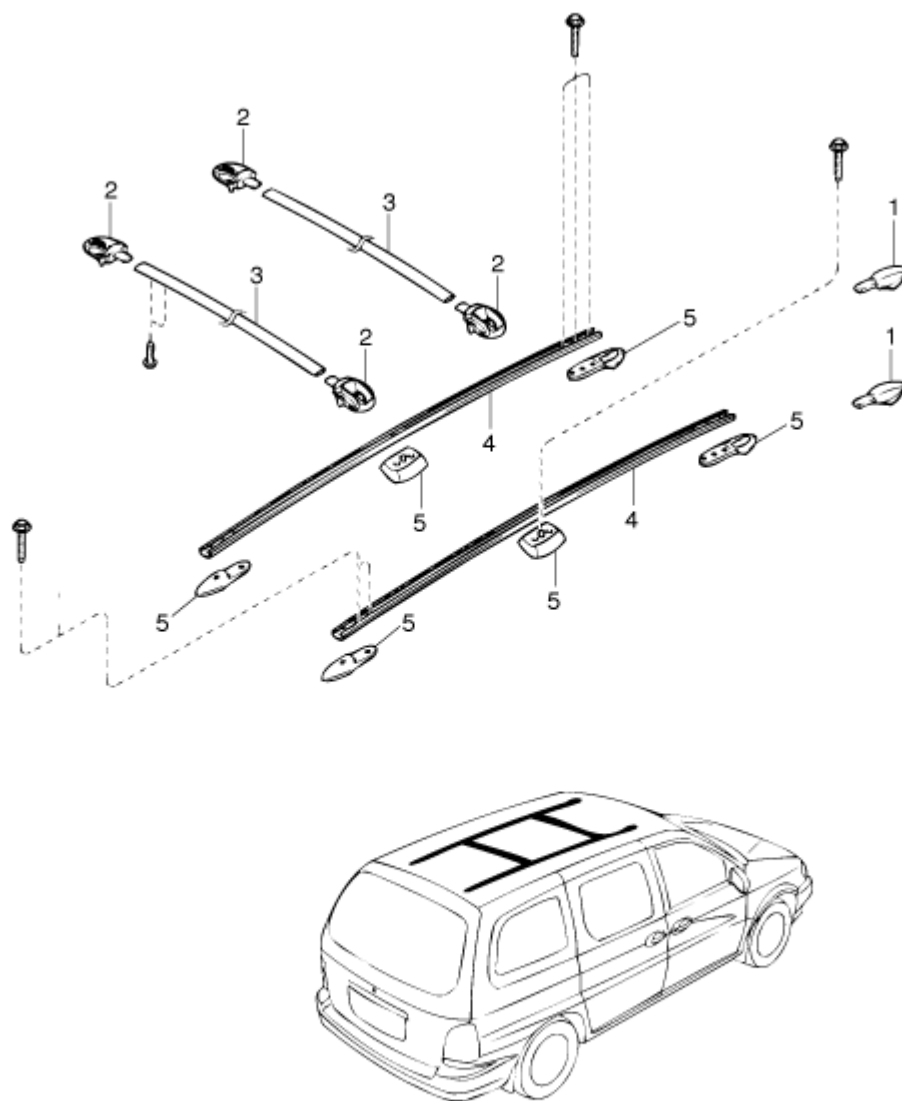
The roof carrier is a general purpose luggage rack consisting of twelve main parts: two cross bars, two slide rails, two left slide, two right slide, four bases, and two base covers.

Each cross bar is individually adjustable to predetermined locking detents that are approximately 3 inches apart. The cross bars are released from their detent by pressing a push button on the side.



## Roof carrier

### Components



- 1. Base cover
- 2. Roof rack slide assembly
- 3. Cross roof rack bar

- 4. Side roof rack rail
- 5. Roof rack base

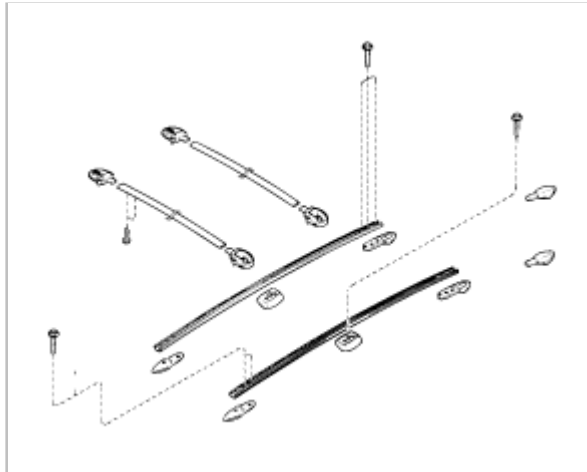


## Removal/Installation

1. Remove components in the order shown in the figure.

Tightening torque :

11 N·m (110 kg·cm, 8 lb·ft)



2. Install components in the reverse procedure of removal.



# **Body (Interior and Exterior)**

Exterior - Mirror

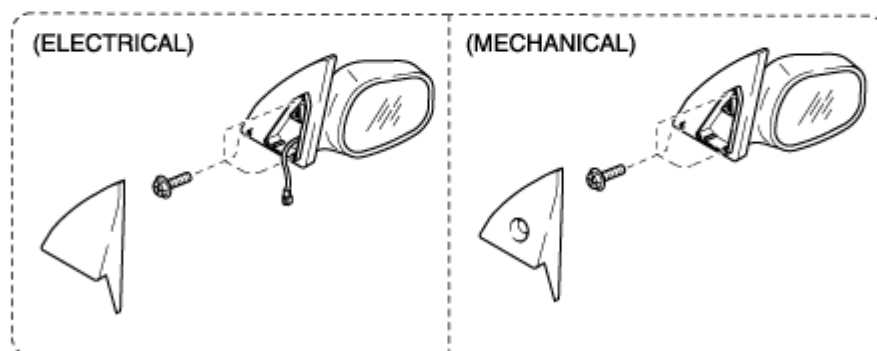
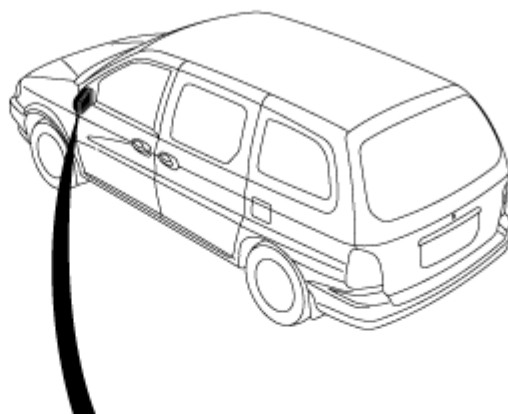


## Description and operation

The outside rearview mirror assembly is comprised of mirror glass, a mirror frame (which holds the mirror glass), a motor (only for electric), a wire harness, and an inner garnish trim. Each outside rearview mirror can be adjusted in four directions from inside the vehicle.



## Components

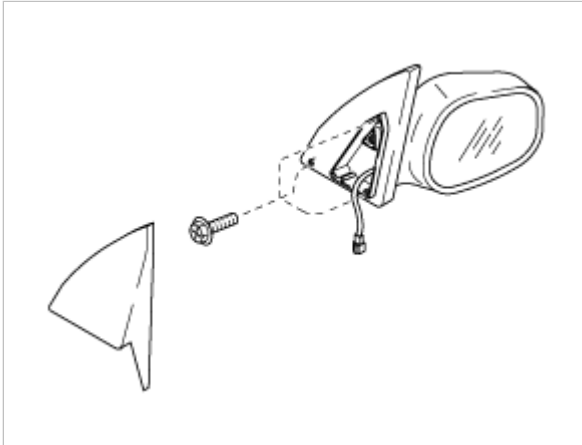






## Removal and installation

1. Disconnect negative battery cable.
2. Remove outside rearview mirror garnish.
  - (1) Remove garnish from door frame.



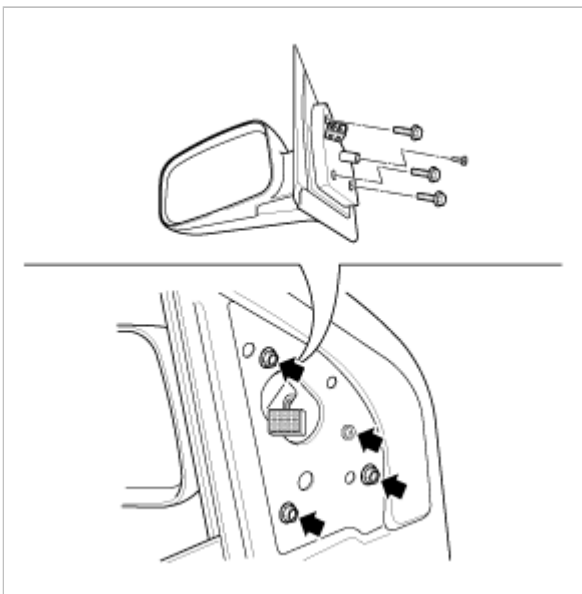
- (2) Disconnect electrical connector.

3. Remove outside rearview mirror.
  - (1) Remove bolts(3) and clip(1).

---

Tightening torque : bolt  
4.5-6.6 N·m (0.45-0.66 kg·m, 3-5 lb·ft)

---



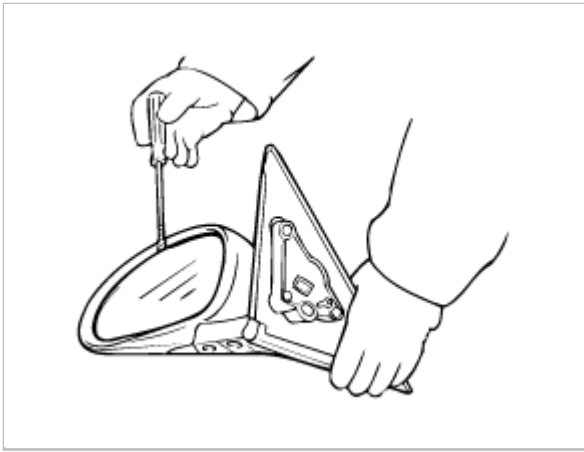
- (2) Disconnect electrical connector.

4. Remove mirror.

### CAUTION

Wear gloves to remove and install the mirror holder

- (1) Insert flat bladed screwdriver between the outside rearview mirror holder and the mirror assembly.

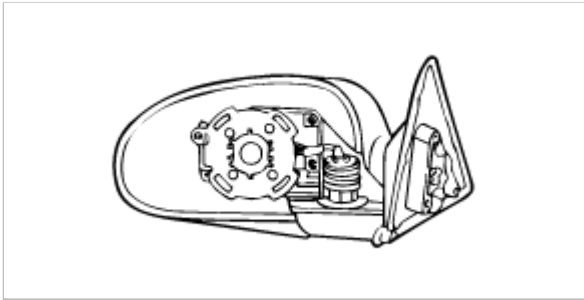


5. Remove outside rearview mirror actuator.

**CAUTION**

When prying with a flat bladed screwdriver, wrap it with a shop towel to prevent damage.

(1) Remove the outside rearview mirror actuator from the outside rearview mirror housing.



6. Install in reverse order of removal.

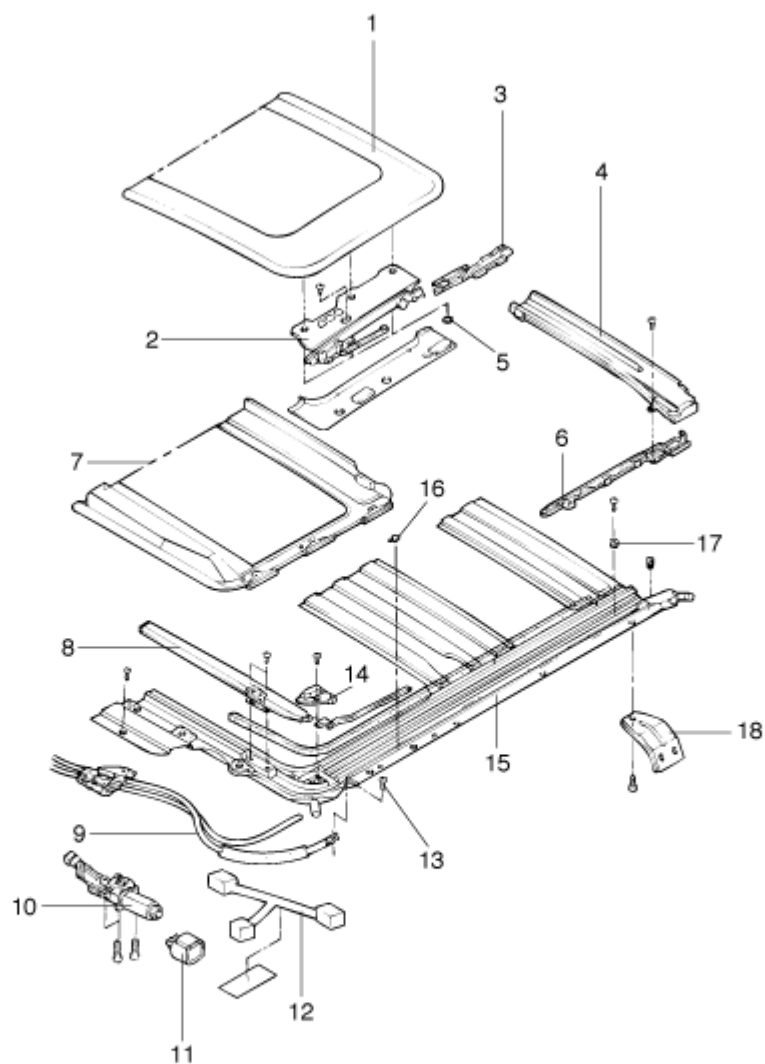


# **Body (Interior and Exterior)**

Sun Roof - Sun Roof Assembly



## Components



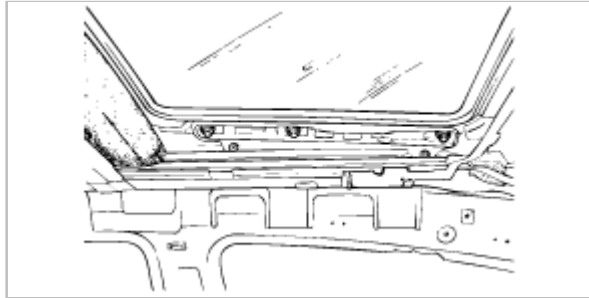
- |                             |                        |                            |
|-----------------------------|------------------------|----------------------------|
| 1. Glass panel              | 7. Sunshade assembly   | 13. Deflector link         |
| 2. Guide assembly           | 8. Deflector assembly  | 14. Rail cover             |
| 3. Slider assembly          | 9. Drive unit assembly | 15. Frame assembly         |
| 4. Drip rail assembly       | 10. Motor assembly     | 16. Sunroof link connector |
| 5. Decoration cover         | 11. Relay              | 17. Stopper                |
| 6. Decoration link assembly | 12. Harness assembly   | 18. Bracket                |



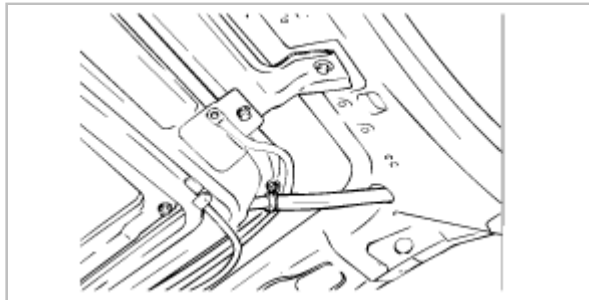
## Removal

1. Remove headliner. Refer to "Trim" in this section.
2. Remove glass panel.

Tighten glass mounting nuts to  
4~6 N·m (40~60kg·cm, 35~52 lb·ft)



3. Disconnect the drain hose.



4. Remove the sunroof mounting bolts and nuts, and remove the sunroof assembly.

Tighten sunroof mounting bolts to  
7~11 N·m (70~110 kg·cm, 61~95 lb·ft)  
Tighten sunroof mounting nuts to  
4~6 N·m (40~60 kg·cm, 35~52 lb·ft)



### NOTICE

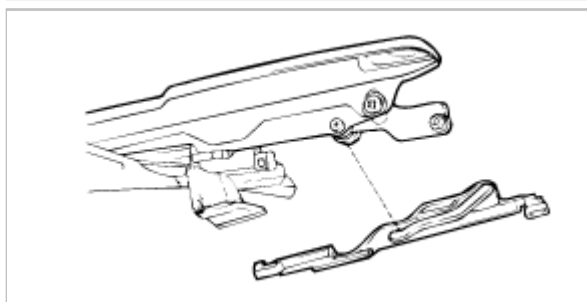
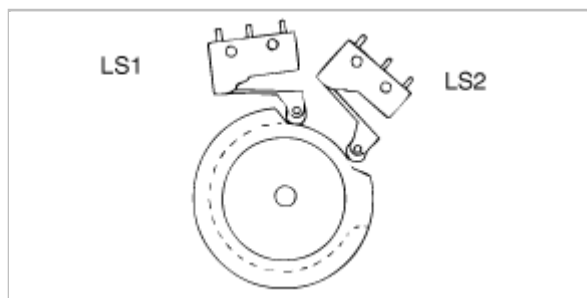
When removing the sunroof assembly, carefully pull out the sunroof assembly to avoid damage to the other parts.

## Installation

Installation is the reverse of removal.

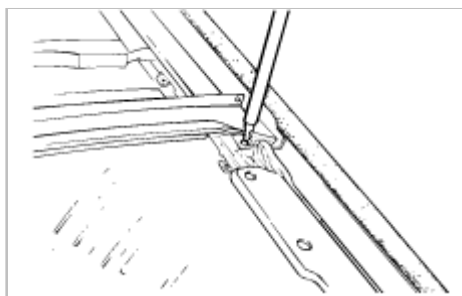
## NOTICE

Check that the limit switches (LS1 and LS2) of the motor are at the fully closed position.  
Align the guide roller center and slider mating mark at the fully closed position.

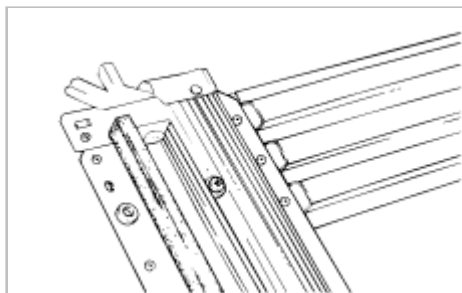


## Disassembly

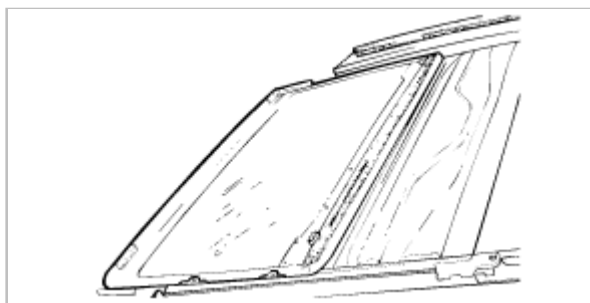
1. Remove the drip rail.



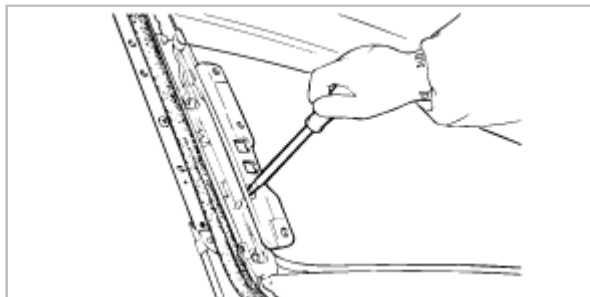
2. Remove the stopper.



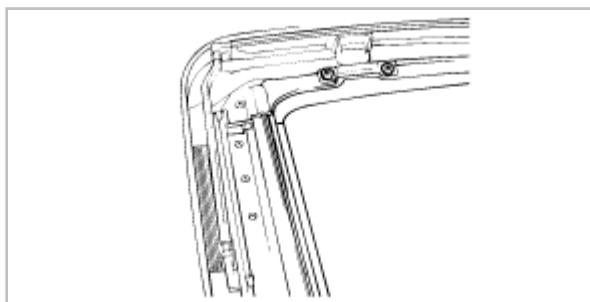
3. Remove the sunshade.



4. Remove the guide assembly.



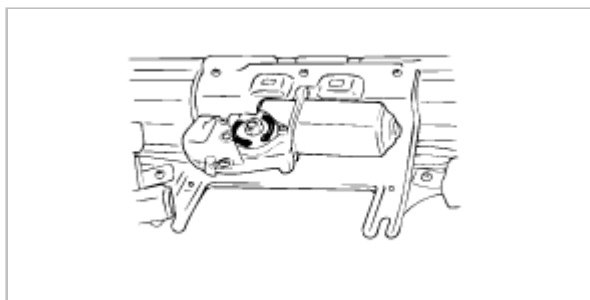
5. Remove the deflector.



6. Remove the motor assembly.

#### CAUTION

When removing the motor, the slider assembly should always be in the fully closed position. If there is a discrepancy between the glass position and the motor ring fully closed position, the sunroof will not operate correctly.



## Assembly

Assembly is the reverse of disassembly.

### Check operating condition after installation

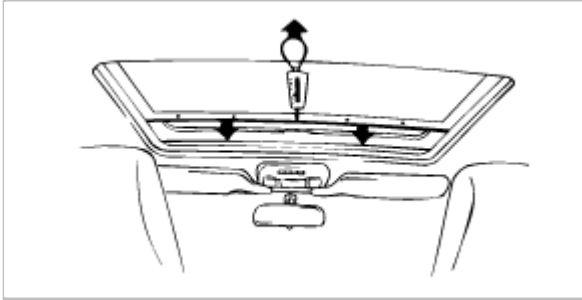
1. If the glass panel movement is difficult, check and adjust.
  - (1) Make sure the battery voltage is normal.

- (2) Make sure that the sunroof sliding unit is free of foreign material.
- (3) Make sure that, when the glass panel opens, the rear position of panel does not interfere with the roof panel.

#### NOTICE

If the stopper is moved forward too far, it may cause malfunction or leaks. Make sure the gap between the glass panel and roof panel is not more than 0.3 mm.

- (4) Measure the driving force of the motor, and adjust it to 15~25 kg (33.1~55.7 lb) with the torque adjustment nut on the motor.
- (5) To measure, use the deep hole in the center of the lid lower panel.

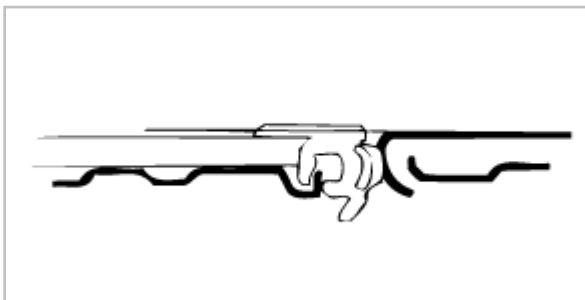


- (6) After adjustment, be sure to lock the nut with the pawl washer.



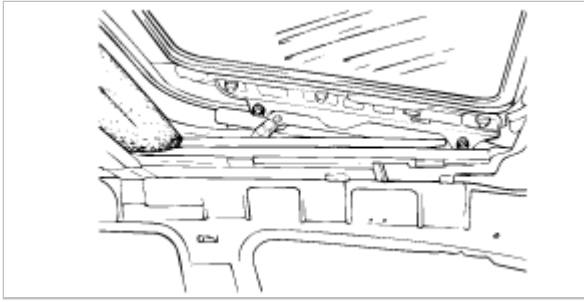
## Adjustment

1. Adjust the difference between the height of the glass panel and the roof panel.  
Front side : -1~0 mm  
Rear side : 0~1 mm  
If the difference is not as specific, adjust the following procedure.

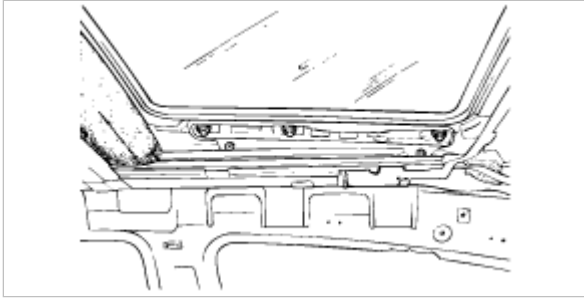


- (1) Loosen the front screw and rear screw and adjust the height between the glass panel and roof panel.





(2) Loosen the glass panel mounting nuts and adjust the gap between the glass panel and roof panel.





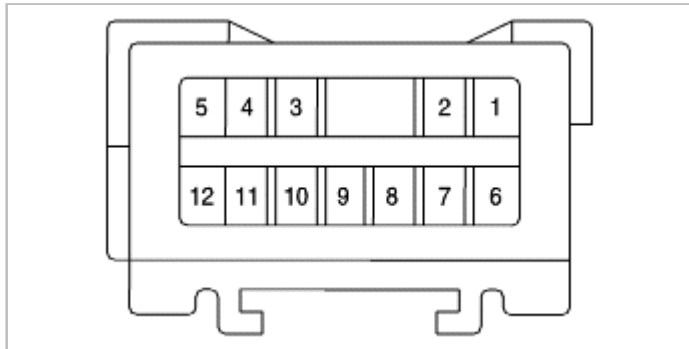
# **Body (Interior and Exterior)**

Sun Roof - Sun Roof Switch



## Inspection

1. Operate the switch and check for the continuity between the terminal.
2. If the continuity is not as specified. replace the switch.



Terminal Condition		2	7	9	10	11
Slide	Open	○	○			
	Close		○	○		
Tilt	Up		○		○	
	Down		○			○

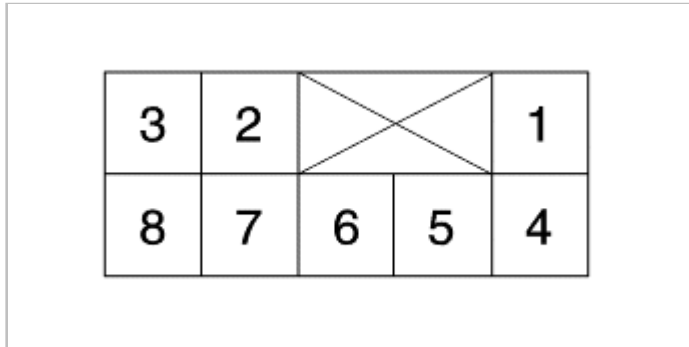
# **Body (Interior and Exterior)**

Sun Roof - Sun Roof Moter



## Inspection

1. Apply battery voltage to the terminal 1, 8 and grounded the terminal 3.



2. Apply the battery voltage to terminals as below table, and check that the sunroof unit operates as below table.

Terminal Function	4	5	6	7
Tilt up	⊕			
Tilt down		⊕		
Slide open			⊕	
Slide close				⊕



# **Body (Interior and Exterior)**

Interior - Crash Pad



## Description

### **Instrument panel**

Instrument panel houses the instrument cluster, center panel and a number of special switches and controls. Instrument panel electrical system is discussed in electrical troubleshooting manual.

### **Center panel**

Center panel is a housing for ventilation control panel, radio, glove box, and with center panel trim serves as a base for cigarette lighter and ashtray. Center panel may remain in place when instrument panel is removed.

### **Interior lights control switch**

Interior lights control switch allows adjustment of brightness of panel lights.

### **Radio and antenna cable**

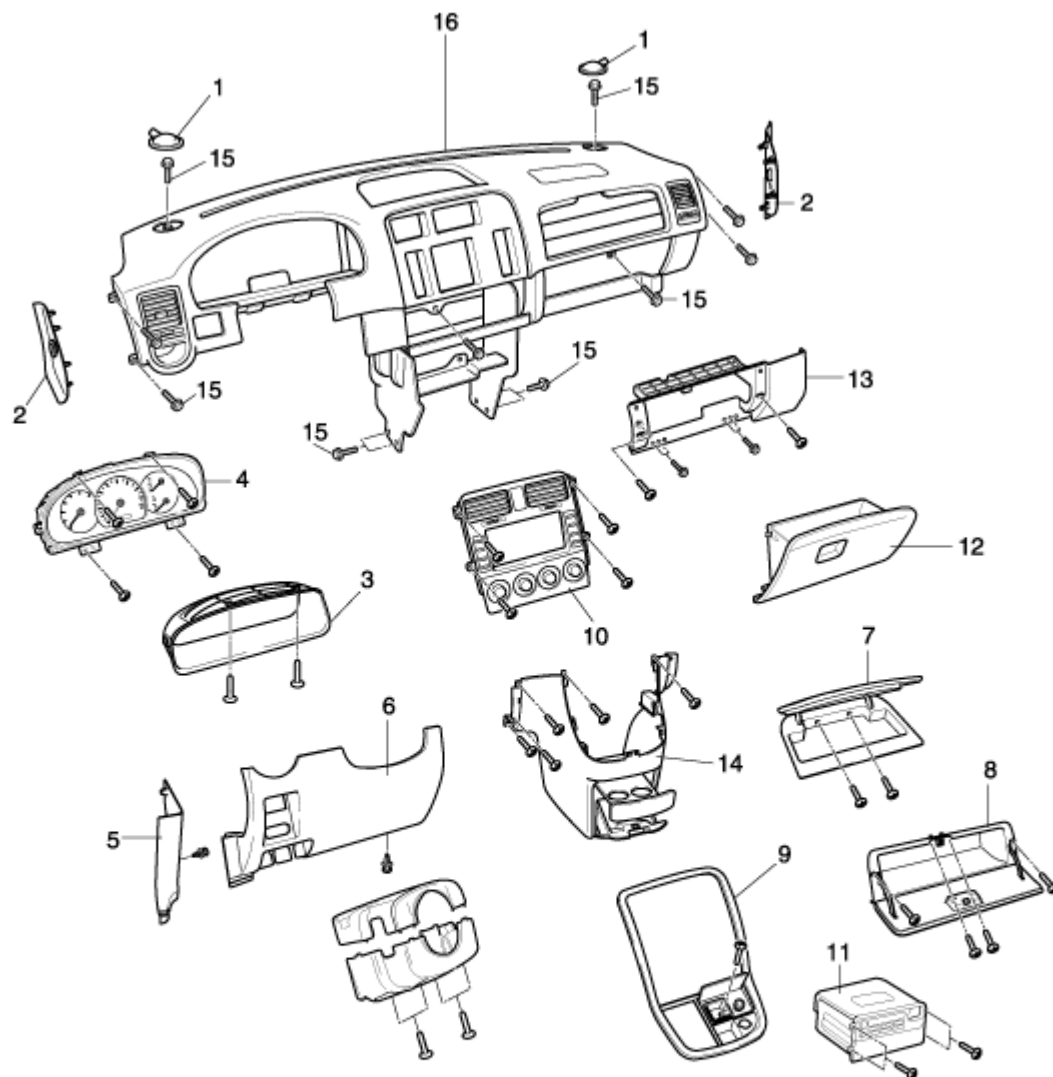
When a radio is installed in vehicle, user instructions are supplied. Radio is located in center panel. Antenna and electrical connections are located at rear of unit. Antenna cable connects to radio. It is routed behind instrument panel and connects to antenna. Radio receives signals through antenna cable from antenna. It is necessary to remove radio when instrument panel is removed.

### **Ventilation control panel**

Ventilation control panel provides control of heating and air conditioning for vehicle and is mounted in center panel.



## Components



1. Speaker assembly
2. Side cover
3. Instrument cluster trim
4. Instrument cluster
5. A-pillar lower trim
6. Lower LH panel

7. Center upper tray
8. Multi box
9. Audio panel
10. Heater control panel
11. Audio
12. Glove box

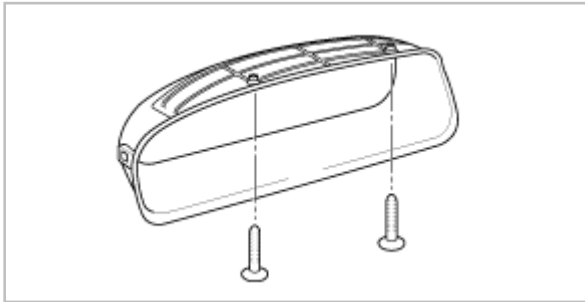
13. Lower RH panel
14. Center console
15. Mounting bolt
16. Instrument panel



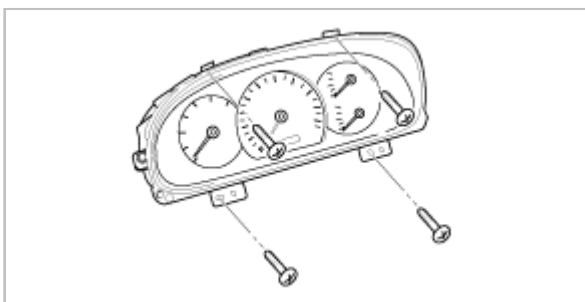


## Removal

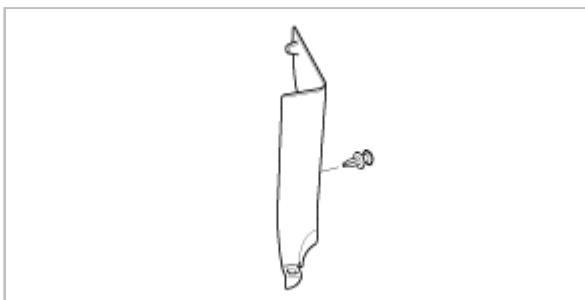
1. Disconnect negative battery cable.A-pillar lower trim.
2. Remove driver air bag module.
3. Remove steering wheel, turn signal assembly, and upper/lower column covers.
4. Remove A-pillar upper trim.
5. Remove instrument cluster trim.
  - A. Remove two screws from instrument cluster trim.
  - B. Remove instrument cluster trim from mounting space.



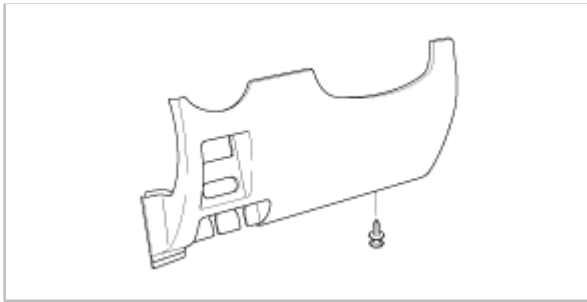
6. Remove instrument cluster.
  - A. Remove four screws from instrument cluster assembly.
  - B. Disconnect electrical connector from rear of unit.



7. Remove A-pillar lower trim.
  - A. Remove one fastener from A-pillar lower trim.
  - B. Unfasten A-pillar lower trim.

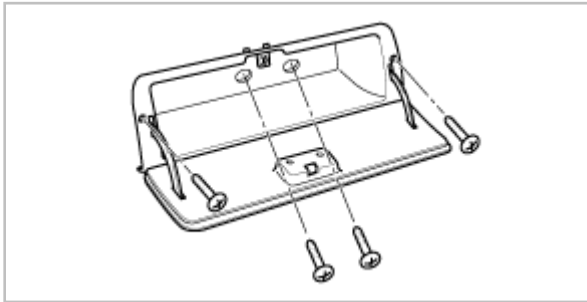


8. Remove lower LH panel.
  - A. Remove hood release handle.
  - B. Remove one fastener from bottom of panel.
  - C. Disconnect electrical connector from rear of panel.



9. Remove multi box.

- A. Remove mounting screws from instrument panel.
- B. Unfasten multi box



10. Remove audio panel.

- A. Unfasten ashtray from audio panel.
- B. Remove one screw from audio panel.
- C. Disconnect electrical connector from rear of panel.



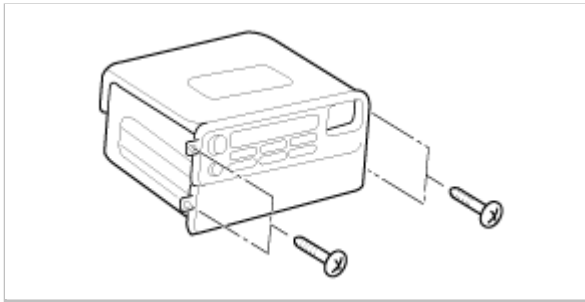
11. Remove ventilation control panel.

- A. Remove four screws from ventilation control panel.
- B. Disconnect electrical connector from rear of panel.

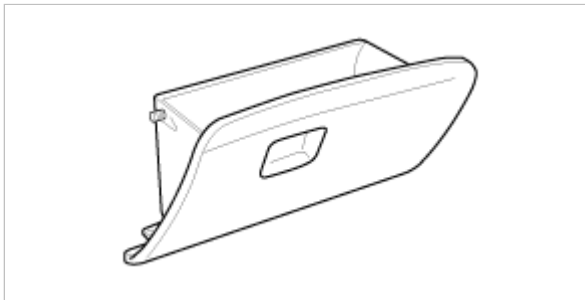


12. Remove audio.

- A. Remove four screws from front of audio.
- B. Remove audio from mounting space.
- C. Disconnect electrical connector and antenna cable from rear of unit.



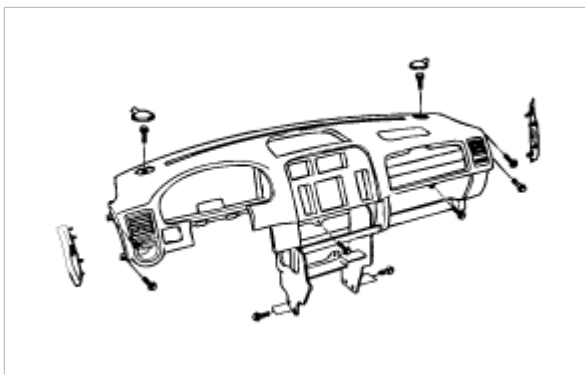
13. Remove glove box.
  - A. Open glove box.
  - B. Remove glove box stopper from lower RH panel.
  - C. Remove four mounting bolts from mounting bracket.



14. Remove center console.
  - A. Remove select lever boots.
  - B. Remove five mounting screws.



15. Remove speaker and mounting bolts from top of instrument panel.
16. Remove side cover.
17. Remove mounting bolts from T-bar.
18. Remove mounting bolts from bottom of instrument panel.
19. Disconnect all connectors between the instrument panel and the vehicle bulkhead electrical wire harness.
20. Remove instrument panel.



21. Install instrument panel in reverse order of removal.

---

Tightening torque :

Instrument panel mounting bolt

8~12 N·m (0.8~1.2 kg·m, 5.8~8.7 lb·ft)

---



# **Body (Interior and Exterior)**

Interior - Roof Trim

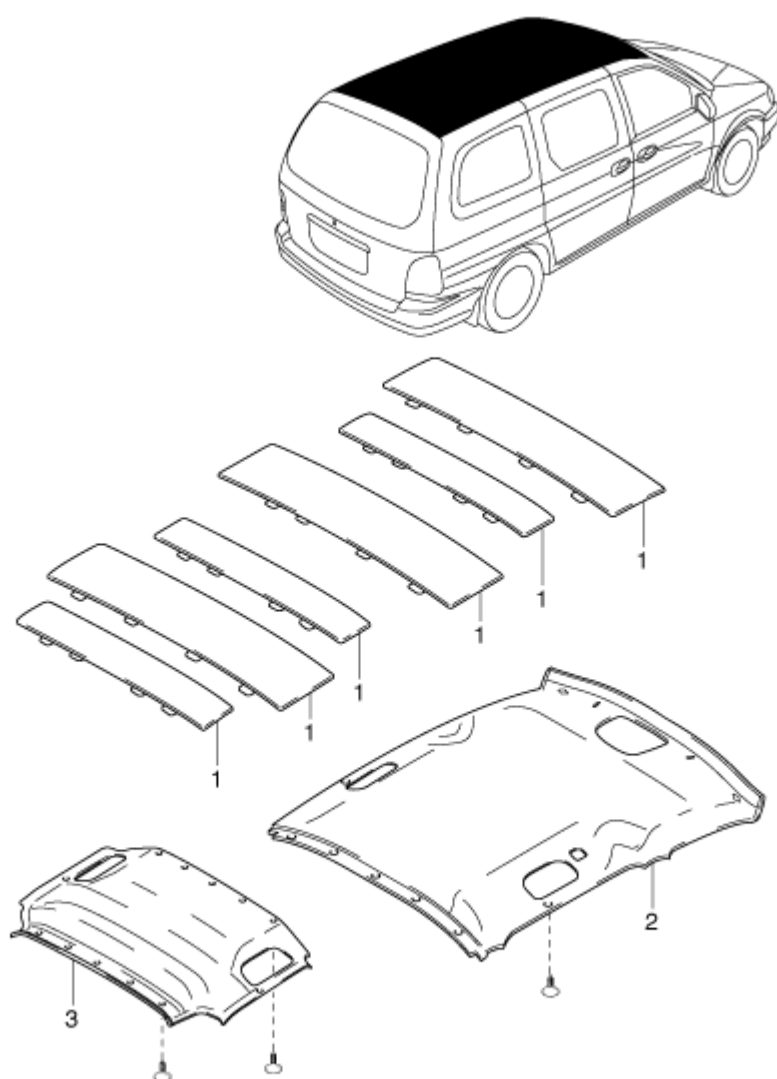


## Description and operation

The top ceiling is a cloth cushion that serves as a buffer between the passengers and the top of the vehicle. It also covers thermal and acoustic insulation in the top of the vehicle and the wiring for the dome light. Both the top ceiling and the insulation are replaceable.

## Components

<WITHOUT SUNROOF>

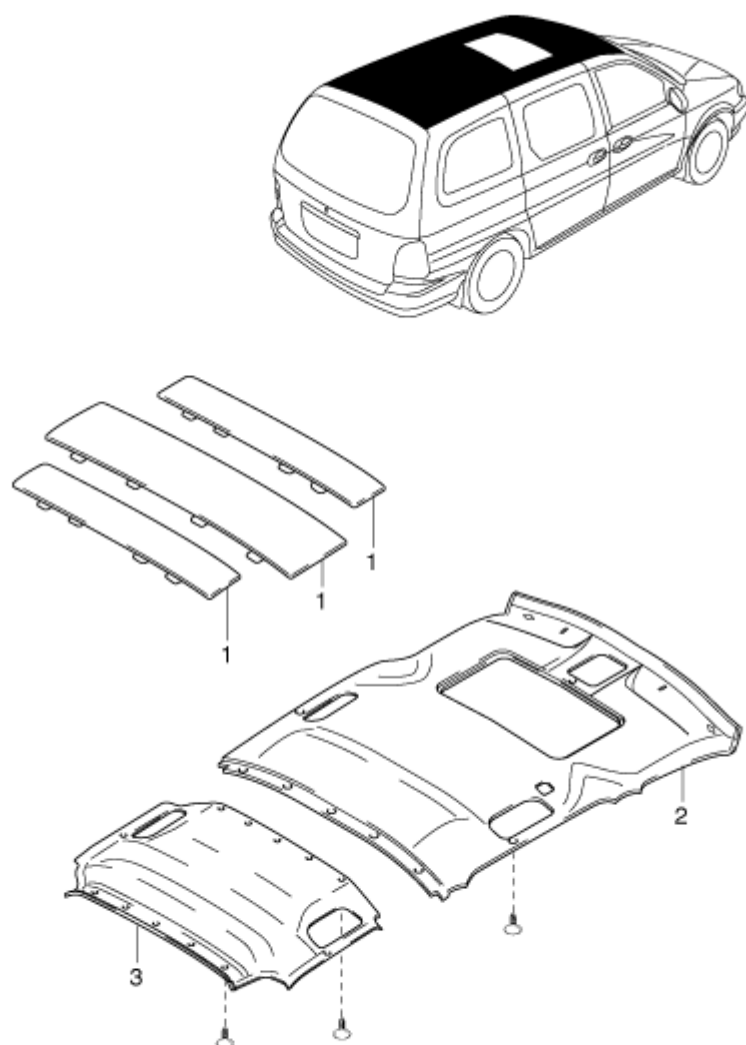


1. Insulator

2. Front top ceiling

3. Rear top ceiling

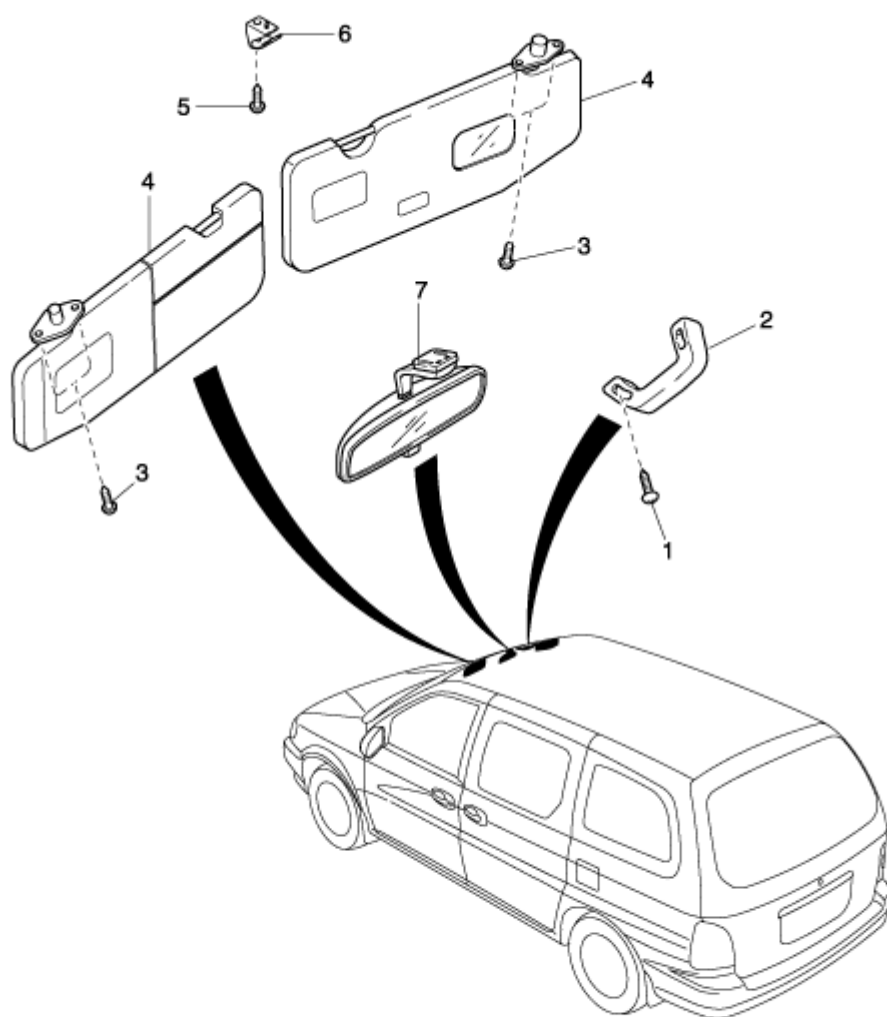
<WITH SUNROOF>



- 1. Insulator
- 2. Front top ceiling

- 3. Rear top ceiling





1. Screw

2. Assist handle

3. Screw

4. Sun visor

5. Screw

6. Adapter center

7. Inside mirror



# **Body (Interior and Exterior)**

Interior - Trunk Trim

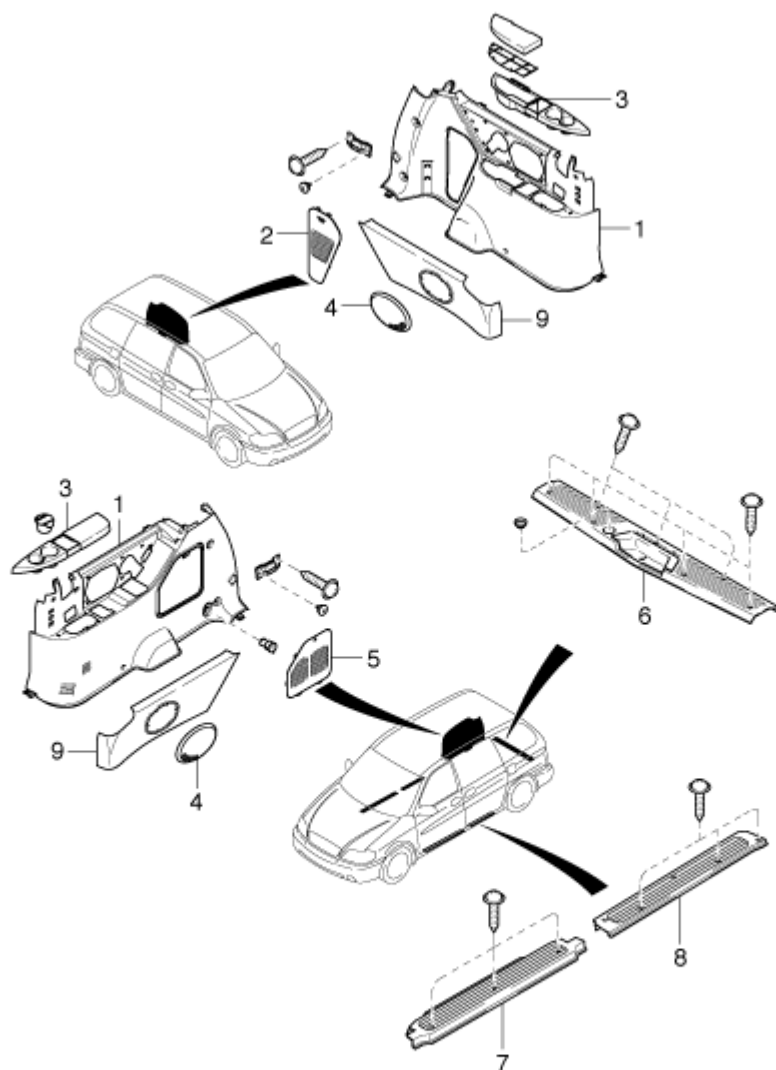


## Description and operation

The trim is a plastic component thermosetting molding and is used to cover the interior of the vehicle. It assists vehicle insulation by covering it in addition to hiding the vehicle metal frame. It also acts as a sound barrier. It is used on all four doors of the vehicle door opening sills, A, B, C and D pillars, rear quarter area, rear hatch, and rear hatch opening sill. All door trim on the vehicle includes armrests. Each trim on the front two doors provides a pocket for keeping maps, etc.



## Components



1. Rear side trim assembly
2. Tool box lid
3. Cup holder assembly
4. Speaker grille
5. Service lid

6. Rear mat plate trim
7. Front scuff plate
8. Side step plate
9. Rear side pad trim



# **Body (Interior and Exterior)**

Interior - Interior Trim

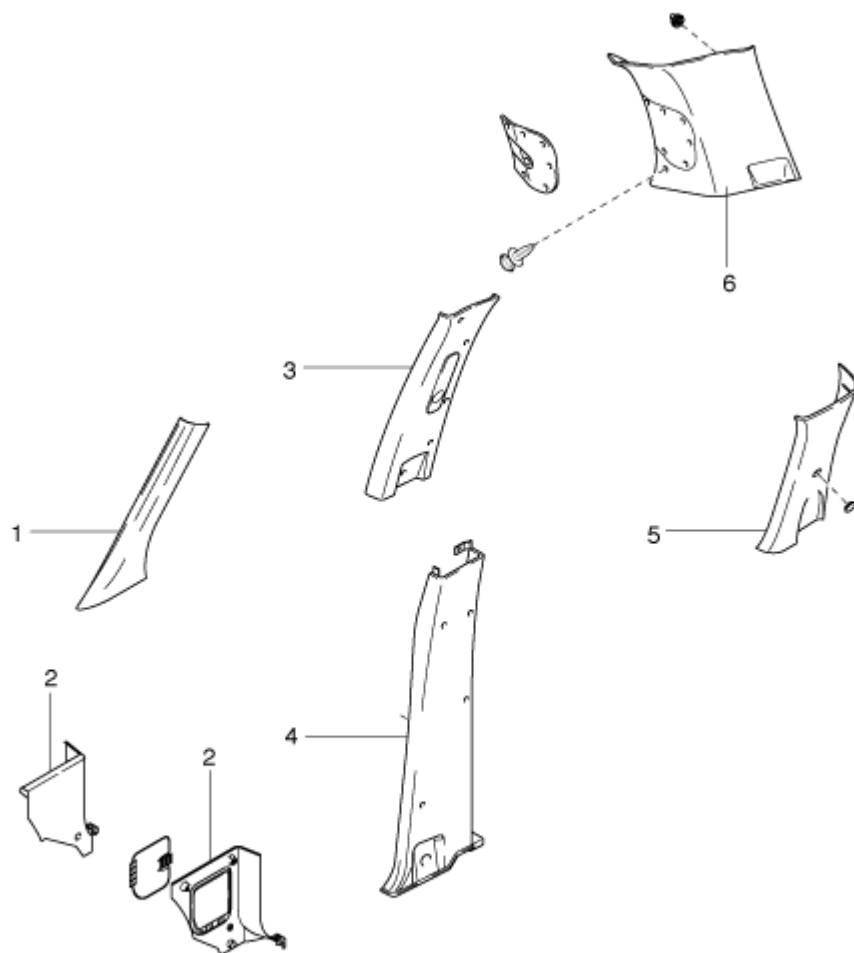


## Description and operation

The trim is a plastic component thermosetting molding and is used to cover the interior of the vehicle. It assists vehicle insulation by covering it in addition to hiding the vehicle metal frame. It also acts as a sound barrier. It is used on all four doors of the vehicle door opening sills, A, B, C and D pillars, rear quarter area, rear hatch, and rear hatch opening sill. All door trim on the vehicle includes armrests. Each trim on the front two doors provides a pocket for keeping maps, etc.



## Components



- 1. A-pillar upper trim
- 2. A-pillar lower trim
- 3. B-pillar upper trim

- 4. B-pillar lower trim
- 5. C-pillar trim
- 6. D-pillar trim



# **Body (Interior and Exterior)**

Interior - Windshield Glass



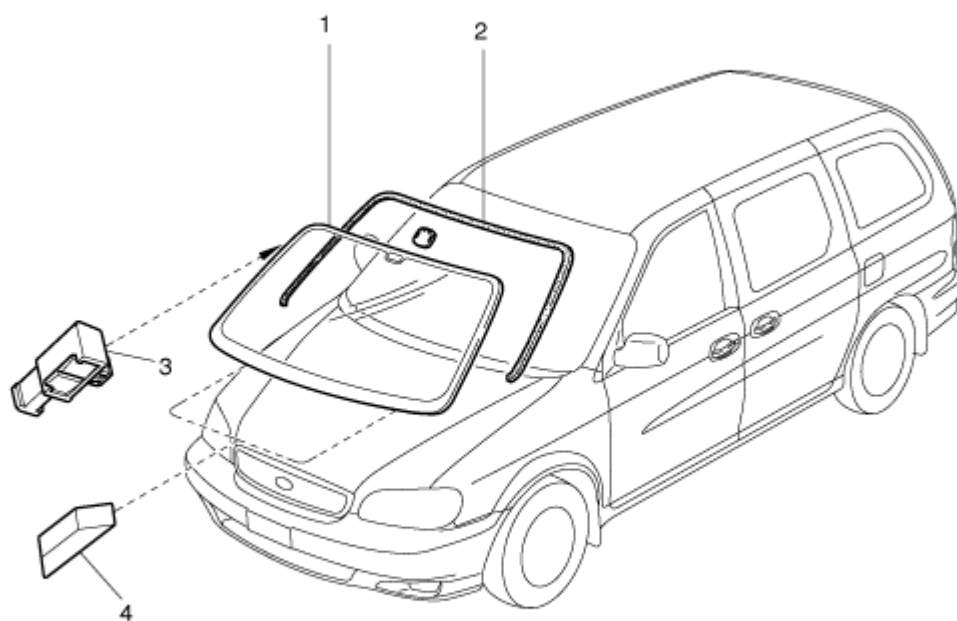


## Description

The windshield glass is safety glass-plastic-laminate sandwiched between two sheets of glass. The windshield and bonded to the body with urethane sealant. A molding encloses the body glass joint on the top and both sides. Molding for the bottom is attached to the cowl vent.



## Components



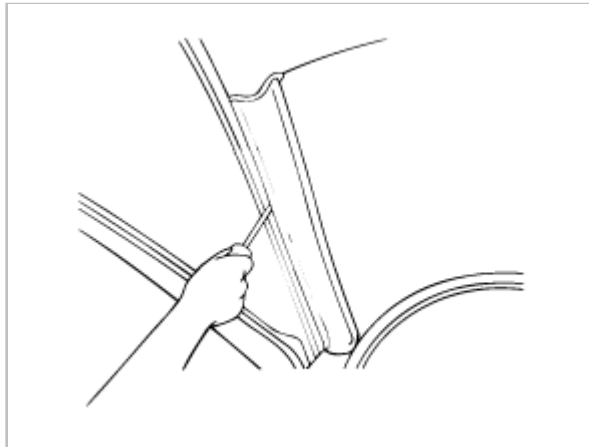
- 1. Windshield glass assembly
- 2. Sealant dam

- 3. Spacer
- 4. Spacer

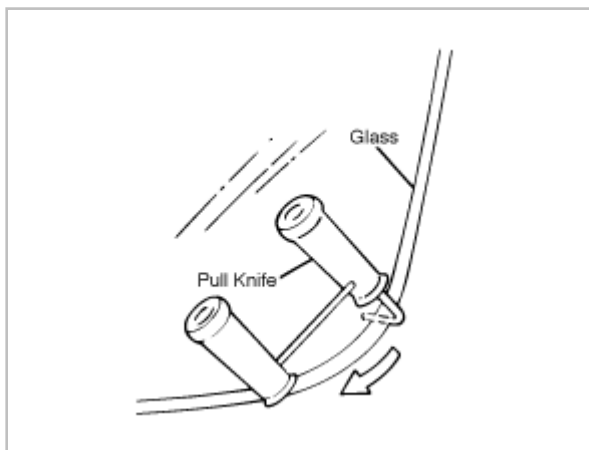


## Removal

1. Remove LH and RH A-pillar moldings by carefully prying them from the pillar.



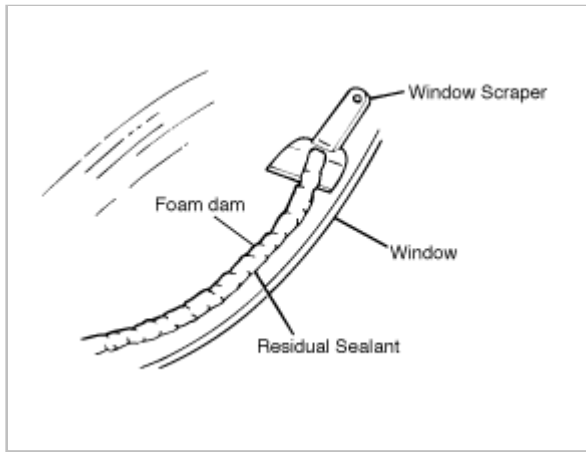
2. Remove inside rearview mirror by prying its base cover off, and then removing two screw.
3. Remove LH and RH windshield wiper arms by removing one nut each.
4. Remove cowl vent.
5. Remove the rubber molding from around the windshield. Start at a corner.
6. Pierce the sealant with a pull knife and cut all the way around the windshield from outside the vehicle.



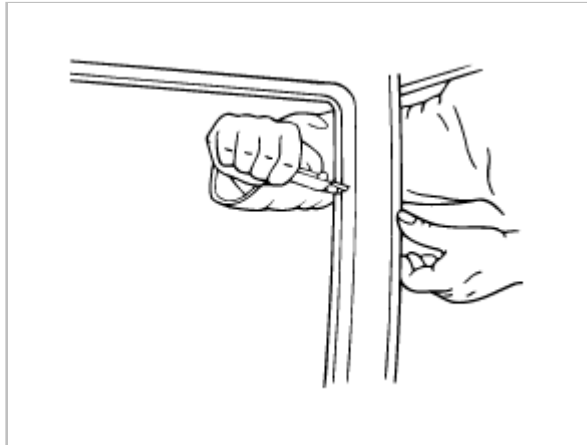
7. Remove the glass to a safe place.

## Installation

1. Remove the excess sealant from the glass with a window scraper.

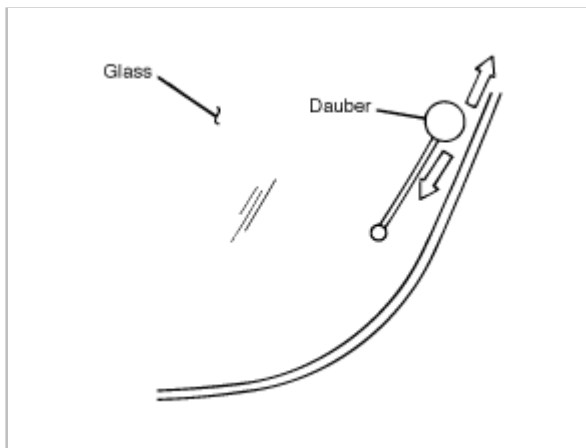


2. Remove the excess sealant and foam dam from the body with a knife.

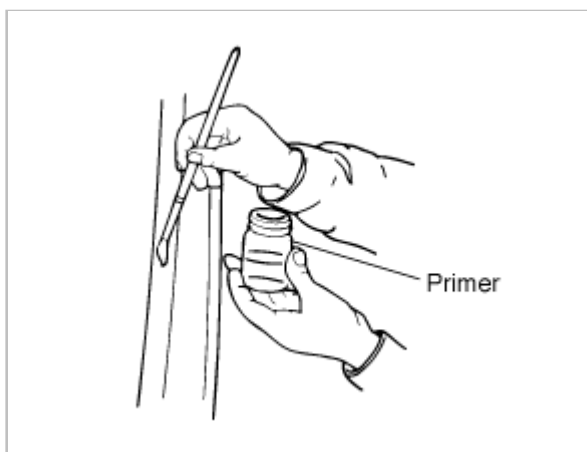


3. Clean the inside of the glass with commercial glass cleaner and a lint-free cloth.

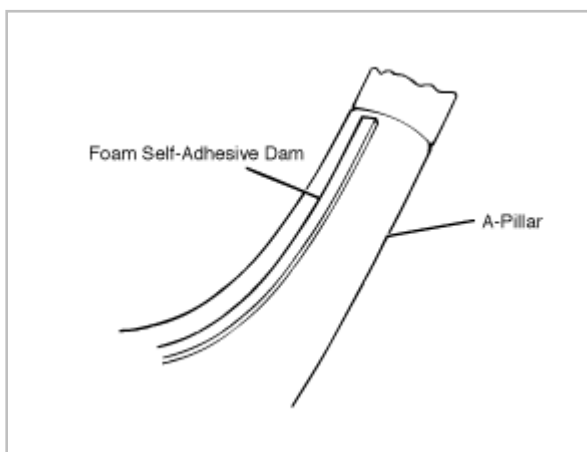
4. Prime an area approximately 3/4 inch (19mm) wide around the complete perimeter of the glass.



5. Prime the contact area on the body.



6. Reprime the same area on the inside surface of the glass.  
Do not permit any primed surface to become contaminated with dirt, water, oil, etc. Do not touch primed surfaces with your hands. Contamination will affect adhesion.
7. Install the self-adhesive foam dam to the body where the original dam had been.

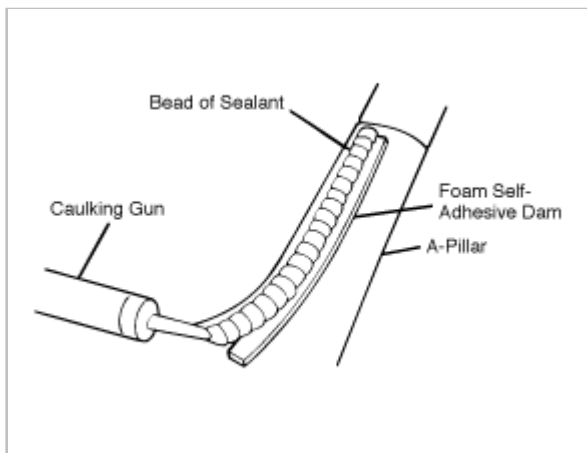


#### NOTICE

The following cure times may be critical. Attempting to replace a windshield in ambient temperature over 95°F (35°C) should be avoided because the surface of the sealant may harden before completing the application.

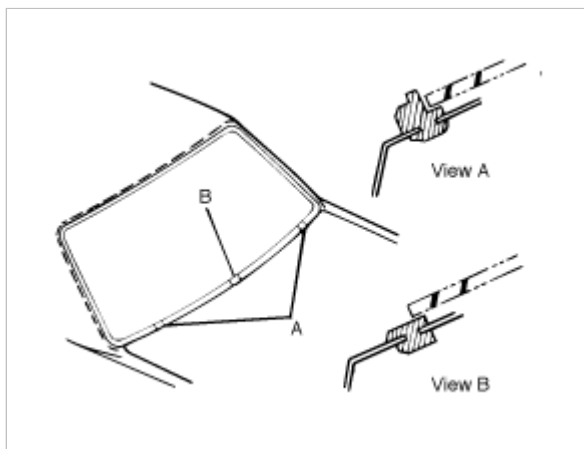
Temperature	Surface Hardening Time	Time Required Until Vehicle Can Be Returned To Service
41°F (5 °C)	Approx 1.5 hrs	12 hrs
55°F (13 °C)	Approx 1.2 hrs	8 hrs
68°F (20 °C)	Approx 1 hrs	4 hrs
81°F (28 °C)	Approx 0.5 hrs	3 hrs
95°F (35 °C)	Approx 10 hrs	2 hrs

8. Apply the urethane bead to the body just outside the dam. The bead should be slightly higher than the dam.

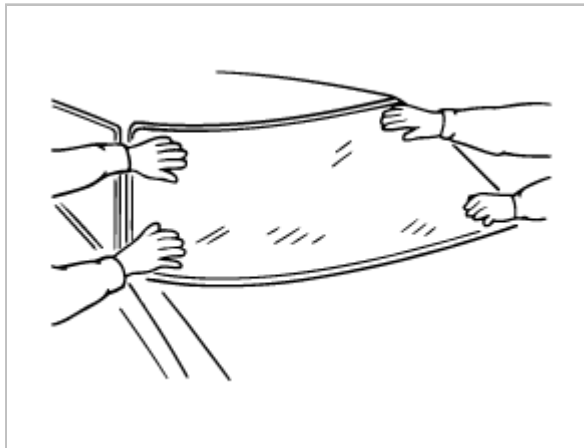


9. Install molding on the glass.

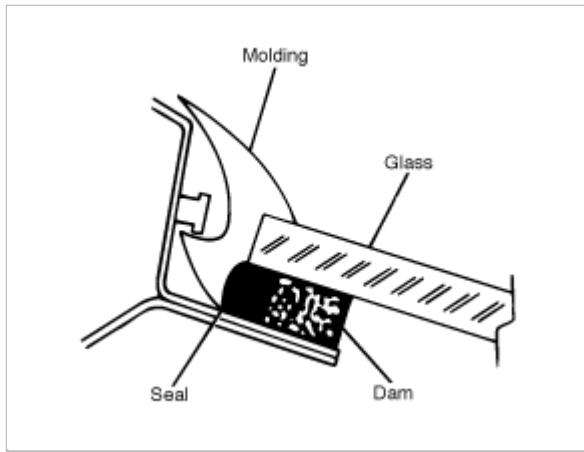
10. Install the glass into the body making sure the glass rests upon the two spacers at the bottom of the windshield.



11. Press glass firmly into place.



12. Press molding firmly into place.



13. Lower both front door windows and leave them in that condition until the vehicle can be put back into service. If the vehicle were completely closed, quickly closing a door could break the seal.
14. Remove excess urethane, if any.
15. Perform water leak test immediately.
16. Clean the outside of the windshield.
17. Install both of the A-pillar trims.
18. Install the rearview mirror with two screws.
19. Install the cowl vent with six screws and two fasteners.
20. Install both wiper arm assemblies with one nut each.



# **Body (Interior and Exterior)**

Interior - Tailgate Glass





## Description and operation

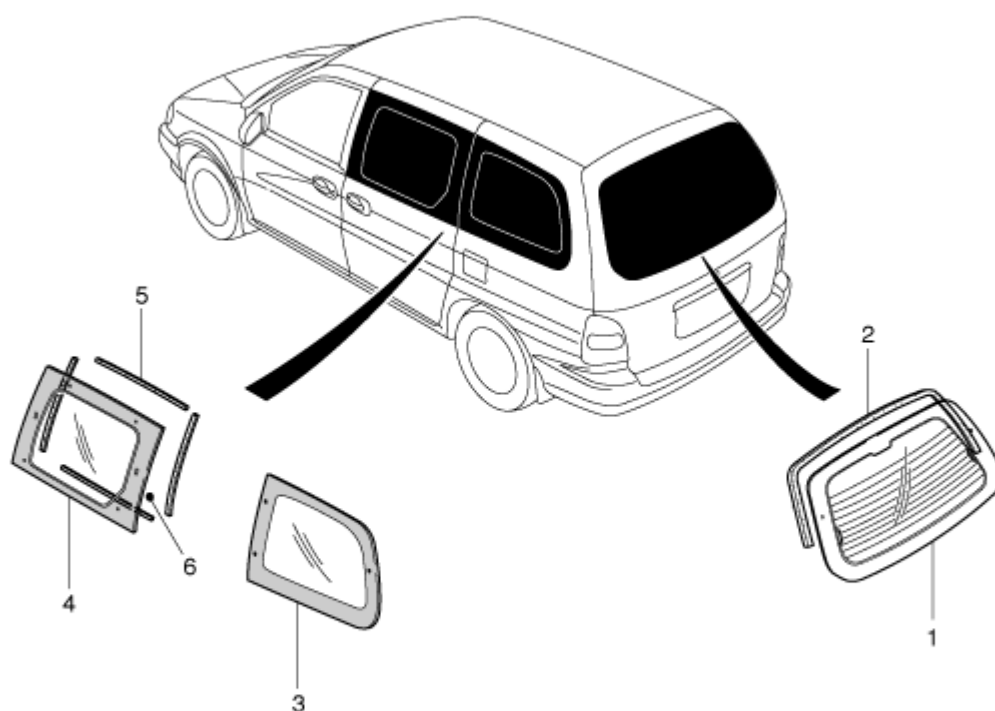
The tail gate glass bonds to the body of the rear hatch with sealant. The inside of the tail gate is further sealed with weatherstrip. Outside molding protects the edge of the glass. The tail gate window defroster is located on the inside of the window and has an electrical connector on each side.

The quarter and slide door window glass is bonded to the body with sealant. It has rubber molding around it on the outside and weatherstripping on the inside.

The windshield glass is safety glass approved. The windshield is sealed and bonded to the body with urethane sealant. A molding encloses the body glass joint on the top and both sides. Molding for the bottom is attached to the cowl vent.



## Components



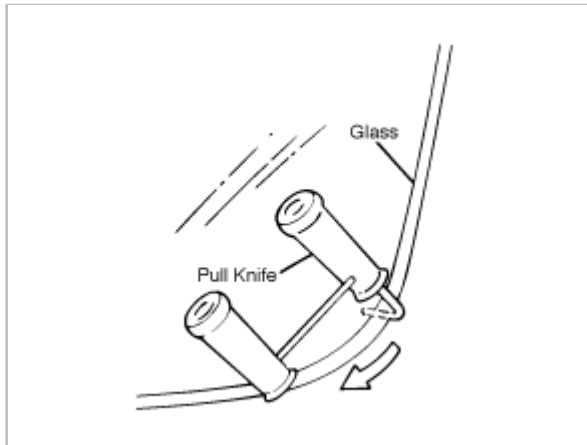
- 1. Tail gate glass
- 2. Dam
- 3. Quarter window glass

- 4. Slide door glass
- 5. Slide door glass dam
- 6. Pad foam



## Removal

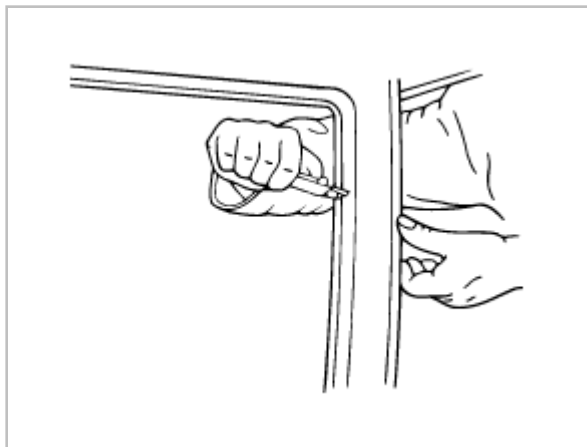
1. Raise windshield wiper and tape in the raised position.
2. Remove each of the window defroster connectors.
3. Remove the rubber molding from around the window glass.
4. Remove the weatherstripping from the inside.
5. Pierce the sealant with the pull knife and cut around the perimeter of the glass.



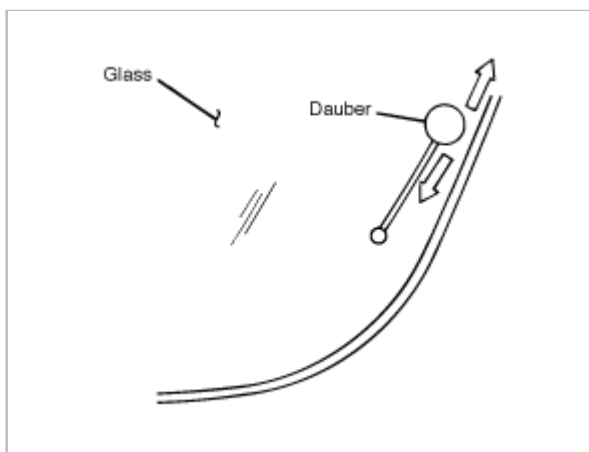
6. Remove the glass to a safe place.

## Installation

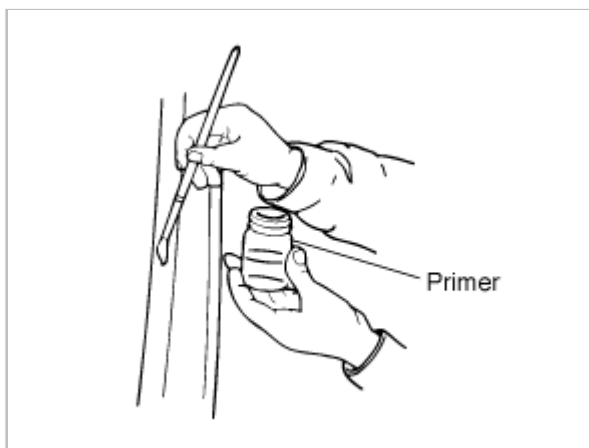
1. Clean the body of excess sealant with a knife.



2. Clean the glass of excess sealant with a window scraper
3. Prime an area approximately 3/4 inch (19 mm) wide around the perimeter of the glass.



4. Prime the contact area on the body.



5. Reprime the glass.

6. Install the molding around the perimeter of the glass.

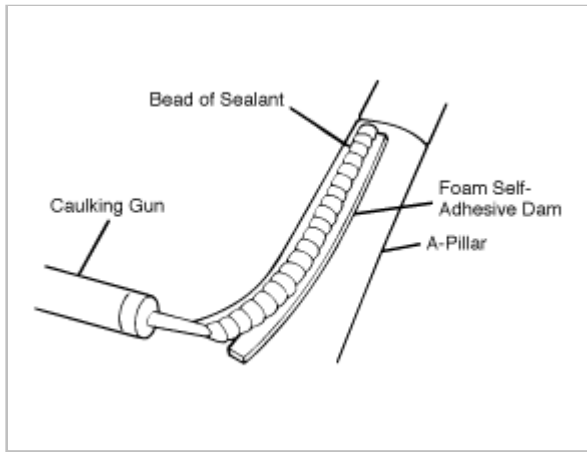
7. Install the weatherstripping in the door.

#### NOTICE

The following cure times may be critical. Attempting to replace a windshield in ambient temperature over 95°F (35°C) should be avoided because the surface of the sealant may harden before completing the application.

Temperature	Surface Hardening Time	Time Required Until Vehicle Can Be Returned To Service
41°F (5 °C)	Approx 1.5 hrs	12 hrs
55°F (13 °C)	Approx 1.2 hrs	8 hrs
68°F (20 °C)	Approx 1 hrs	4 hrs
81°F (28 °C)	Approx 0.5 hrs	3 hrs
95°F (35 °C)	Approx 10 hrs	2 hrs

8. Apply sealant to the door where it was sealed before.



9. Clean the inside of the glass with a commercial glass cleaner and a lint-free cloth.
10. Install molding on the glass.
11. Install the glass into the body.
12. Press the glass firmly into the urethane sealant.
13. Press the molding firmly into place.
14. Remove excess sealant, if any.
15. Tape the window firmly into place so it will not creep down from its own weight.
16. Perform water leak test immediately.
17. Clean the outside of the glass with a commercial glass cleaner and a lint-free cloth.
18. Remove the tape from the windshield wiper and lower it onto the glass.
19. Connect the rear window defroster connectors.

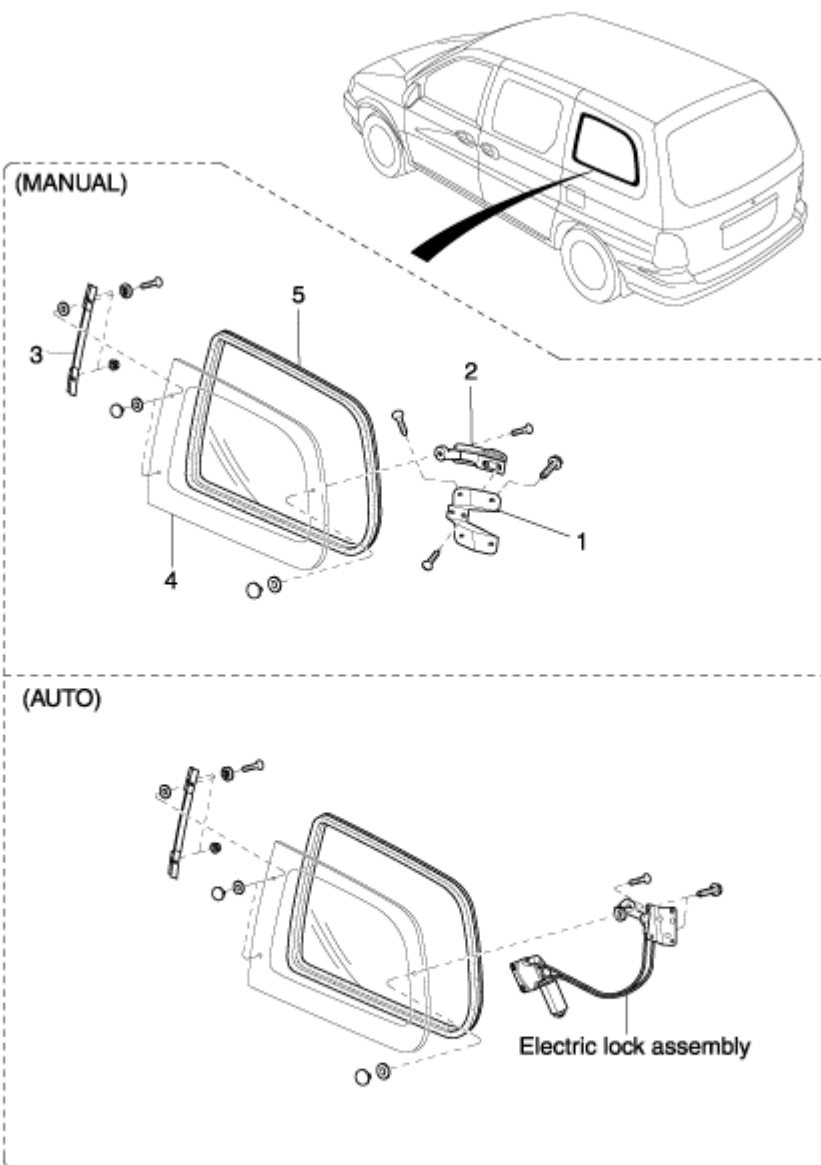


# **Body (Interior and Exterior)**

Interior - Quarter Glass



## Components



- 1. Stay assembly
- 2. Quarter glass lock assembly
- 3. Quarter glass hinge assembly

- 4. Glass
- 5. Quarter window weatherstrip



# **Body (Interior and Exterior)**

Bumper - Front Bumper



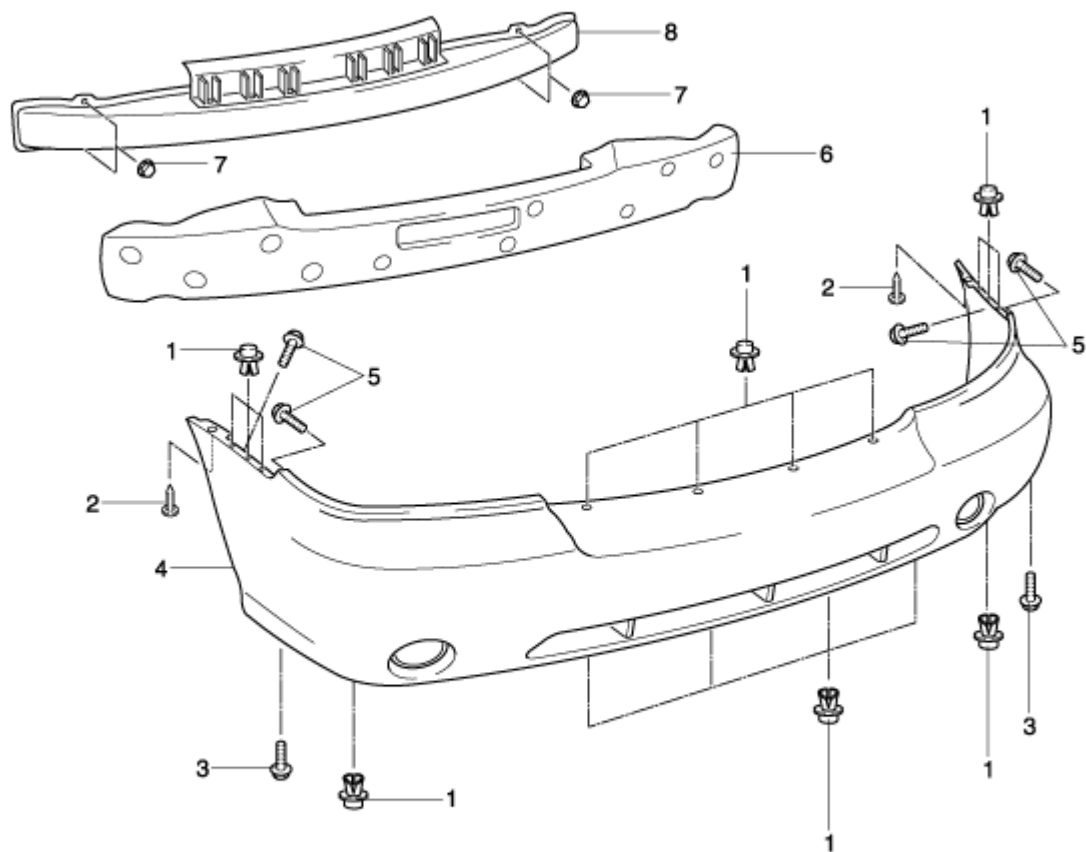


## Description and operation

The front and rear bumpers consist of three parts; bumper face, energy absorbing foam, and bumper reinforcement. The bumper face is made of polypropylene and the absorption medium is styrofoam. Reinforcement is constructed of polypropylene and reinforcing fiber with energy absorbing foam placed between bumper face and the reinforcement.



## Components



- 1. Bumper fastener
- 2. Bumper retaining screw
- 3. Bumper retaining bolt
- 4. Bumper face

- 5. Bumper retaining nut
- 6. Energy absorbent foam
- 7. Bumper mounting nut
- 8. Bumper reinforcement

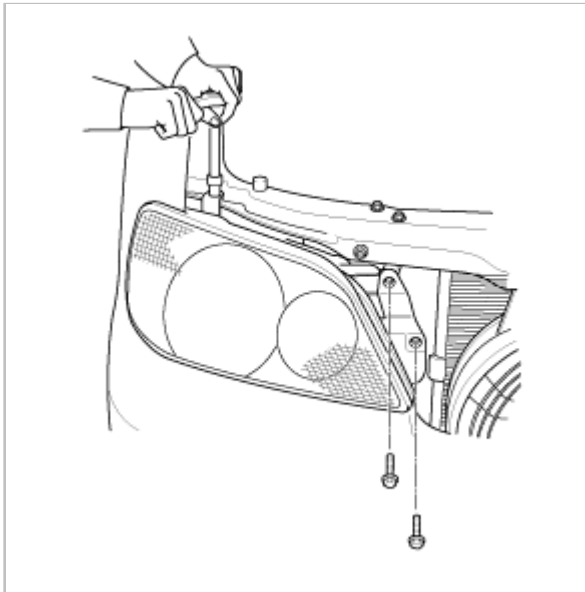


## Inspection

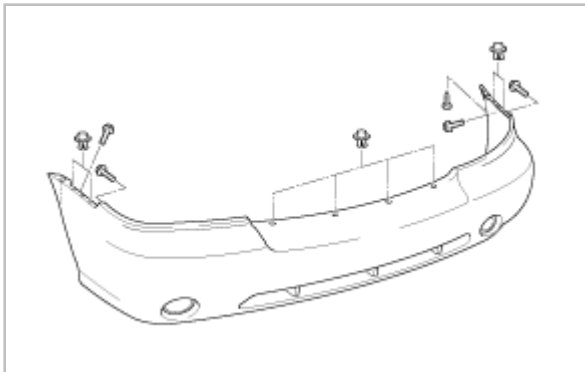
1. Inspect bumper face for damage and check that bumper is securely mounted.
2. Inspect bumper for missing attaching hardware.

## Removal

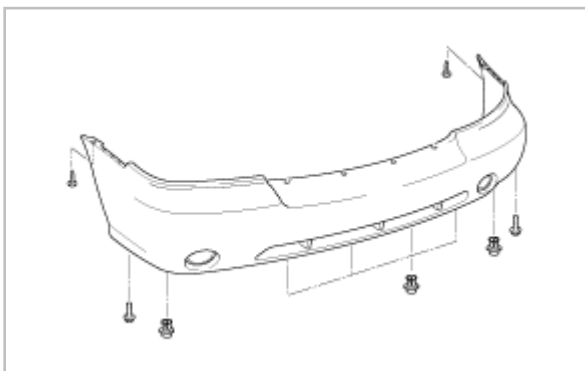
1. Remove headlight and combination light assembly.
  - A. Remove three mounting bolts.
  - B. Disconnect electrical connector from rear of light assembly.



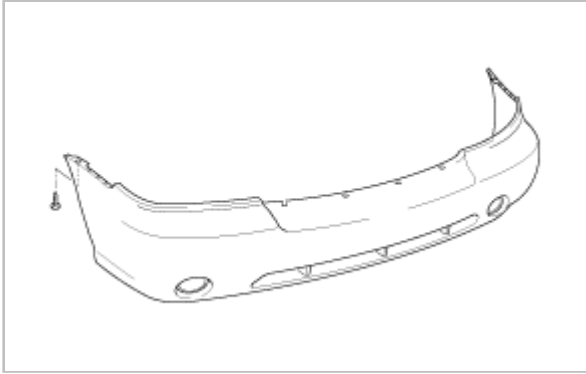
2. Remove bumper face and energy absorbent foam assembly.
  - A. Remove eight fasteners and four retaining bolts from top of bumper assembly.



- B. Remove six fasteners and two bolts from bottom of bumper assembly.



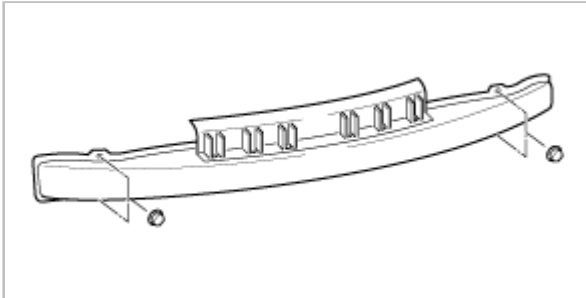
C. Remove two screws from side of bumper assembly.



D. Disconnect electrical connector from fog light assembly.

3. Remove bumper reinforcement and bumper stay assembly.

A. Remove four mounting nuts from front side of bumper reinforcement.



4. Install front bumper in reverse order of removal.

---

Tightening torque :

Bumper mounting nut

10~15 N·m (1.0~1.5 kg·m, 7~11 lb·ft)

---



# **Body (Interior and Exterior)**

Bumper - Rear Bumper

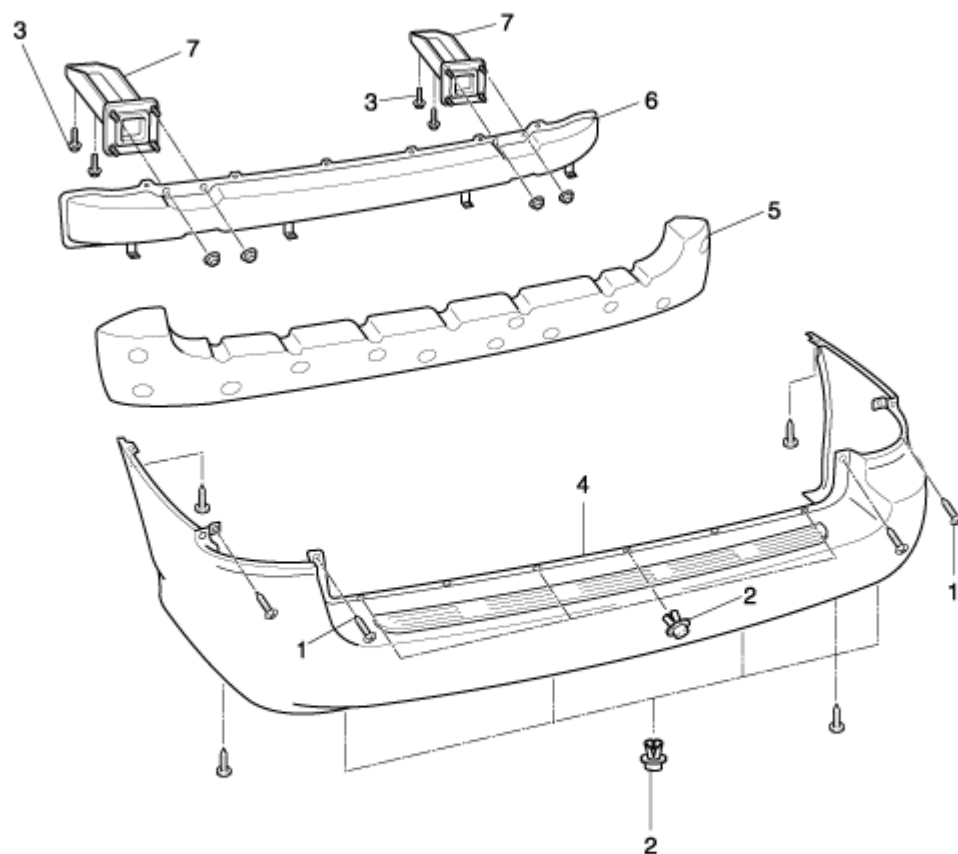


## Description and operation

The front and rear bumpers consist of three parts; bumper face, energy absorbing foam, and bumper reinforcement. The bumper face is made of polypropylene and the absorption medium is styrofoam. Reinforcement is constructed of polypropylene and reinforcing fiber with energy absorbing foam placed between bumper face and the reinforcement.



## Components



- 1. Bumper retaining screw
- 2. Bumper fastener
- 3. Bumper mounting bolt
- 4. Bumper face

- 5. Energy absorbent foam
- 6. Bumper reinforcement
- 7. Bumper stay

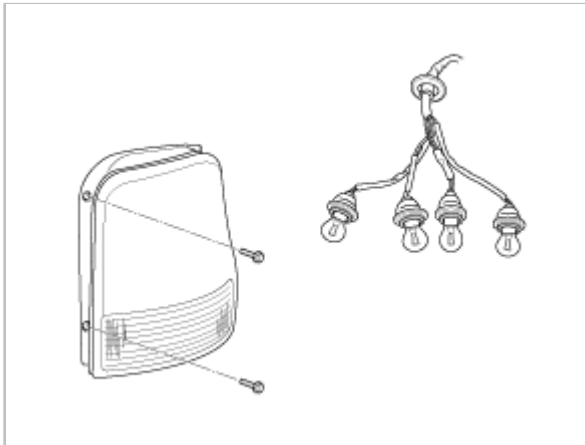


## Inspection

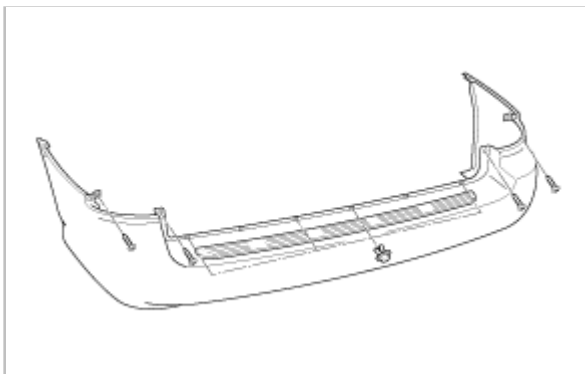
1. Inspect bumper face for damage and check that bumper is securely mounted.
2. Inspect bumper for missing attaching hardware.

## Removal

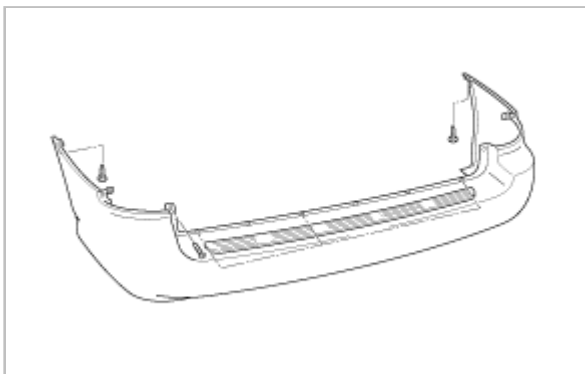
1. Remove rear combination light assembly.
  - A. Remove two mounting screws.
  - B. Disconnect electrical connector from rear side of light assembly.



2. Remove bumper assembly.
  - A. Remove four fasteners and four retaining screws from top of bumper assembly.

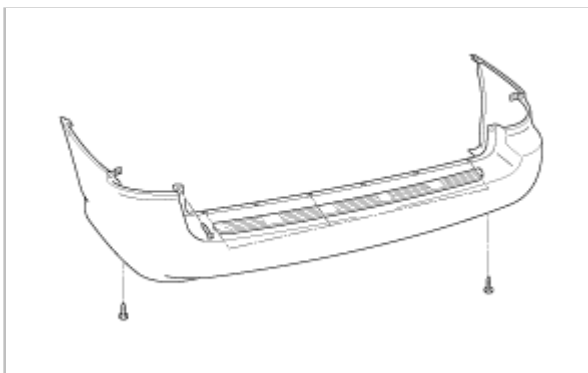


- B. Remove mud flap from bumper assembly.
- C. Remove two screws from bottom of bumper assembly.

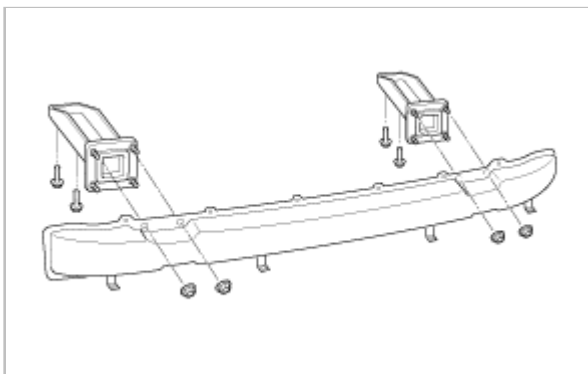


- D. Remove two screws from side of bumper assembly.





E. Remove four bumper mounting bolts from under of vehicle.



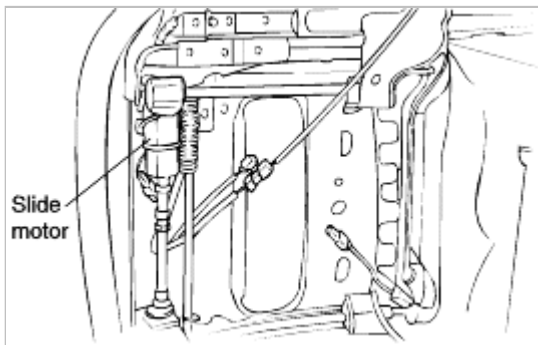
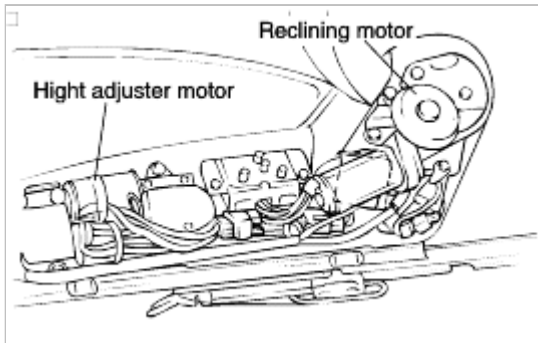
3. Install rear bumper in reverse order of removal.



# **Body (Interior and Exterior)**

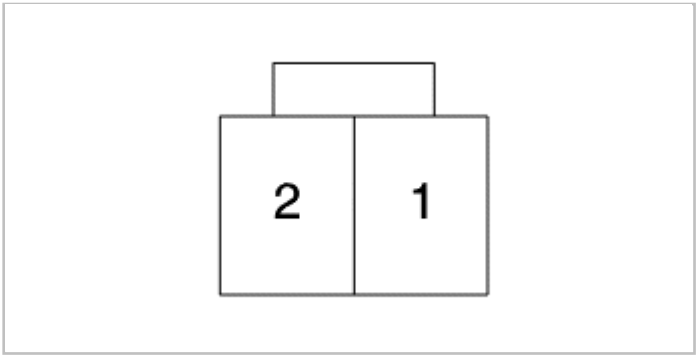
Seat & Power Seat - Power Seat Motor

## Inspection



1. Disconnect the connectors for each motor.
2. When the battery connected directly to the motor terminals, check if the motors run smoothly.
3. Reverse the connections and check that the motor reversely turns.
4. If there is an abnormality, replace the motors.

Terminal		1	2
Condition	Frontward	⊕	⊖
	Backward	⊖	⊕
Reclining motor	Frontward	⊕	⊖
	Rearward	⊖	⊕
Height adjuster motor(Front)	Up	⊖	⊕
	Down	⊕	⊖
Height adjuster motor(Rear)	Up	⊕	⊖
	Down	⊖	⊕
Lumber motor	Frontward	⊖	⊕
	Backward	⊕	⊖





# **Body (Interior and Exterior)**

Seat & Power Seat - Power Seat Control  
Switch



## Inspection

Operate the power seat switch and check the continuity between terminals. If continuity is not as specified, replace the switch.

5	4			3	2	1
10	11		9	8	7	6

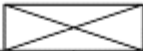
Terminal		1	2	3	4	5	6	7	8	9	10	11
Condition	Slide											
	Frontward											
Slide	Backward											
	Front height											
Front height	Up											
	Down											
Rear height	Up											
	Down											
Reclining	Foreward											
	Rearward											

## Power lumbar switch

### Inspection

Operate the power lumbar switch and check the continuity between terminals. If continuity is not as specified, replace the switch.

Terminal		1	2	3	4
Condition	Frontward				
	Backward				

	
2	1
4	3



# **Body (Interior and Exterior)**

Seat & Power Seat - Front Seat





## Description

The front seat consists of a seat back and a cushion. Both items are replaceable or serviceable. Both seats can be reclined or adjusted front-to-rear by two levers, the adjusting lever and reclining knuckle lever. The head restraint can also be adjusted or removed.

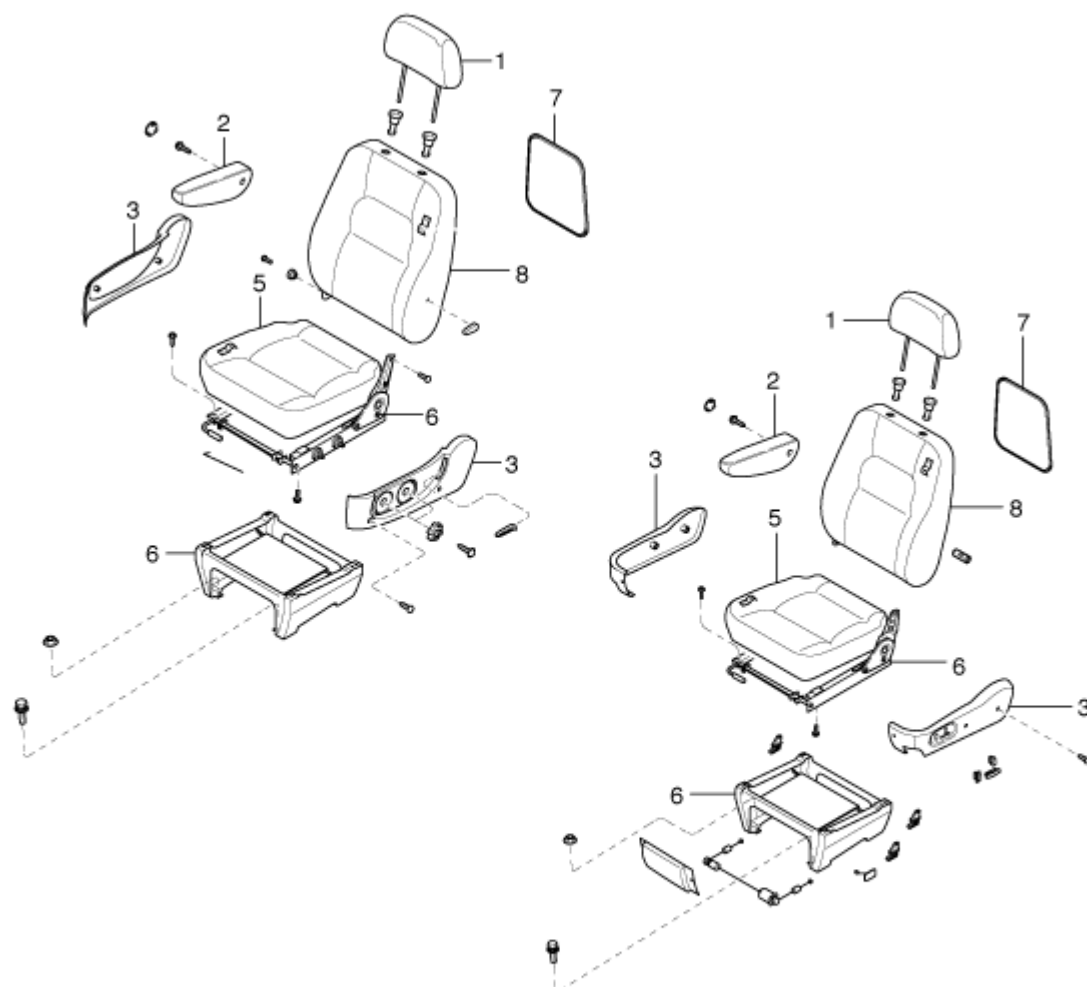
The seat adjuster lever is under the right front corner of either front seat. Pulling on this lever unlocks the seat, allowing it to slide forward or backward on a track attached to the vehicle floor. The track assembly and seat adjuster lock are replaceable items.

The reclining knuckle lever arm is placed on the door side of either seat. If this lever is pulled up and pressure is placed on the seat back, the seatback will recline. If no pressure is applied, the seat will spring forward past the vertical driving position. If pressure is applied to the seat back, it will recline to the vertical driving position and then lock. The reclining knuckle is a replaceable item.

The reclining knuckle lever arm is placed on the door side of either seat. If this lever is pulled up and pressure is placed on the seat back, the seatback will recline. If no pressure is applied, the seat will spring forward past the vertical driving position. If pressure is applied to the seat back, it will recline to the vertical driving position and then lock. The reclining knuckle is a replaceable item. The driver's seat is also equipped with a lumbar support. This is controlled by a lever on the right side of the driver's side seat back.



## Components



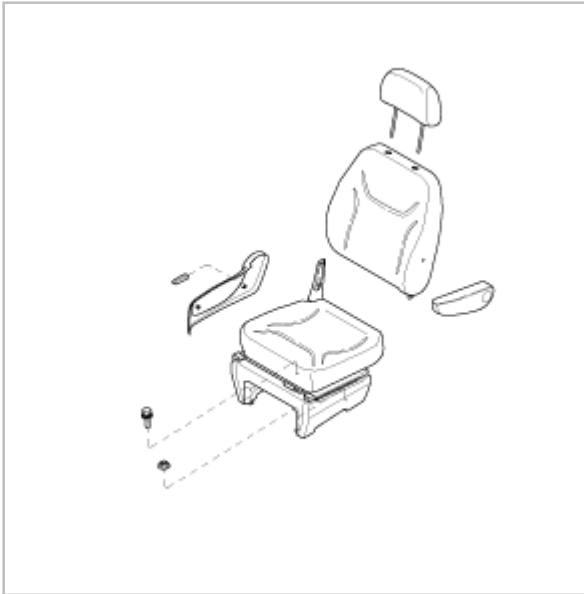
1. Head rest
2. Arm rest
3. Side cover
4. Knuckle assembly

5. Cushion assembly
6. Front leg assembly
7. Back garnish
8. Seat back



## Removal

1. Remove seat assembly from vehicle.
  - A. Remove two mounting bolts and two nut from under seat.



- B. Disconnect electrical connector from bottom of seat.

2. Remove side garnish assembly.



- A. Remove reclining knob.
  - B. Remove lumbar support switch.
  - C. Remove slider lifter knob.
  - D. Remove mounting screws from side of seat.
3. Remove arm rest.
  - A. Remove mounting screws from side of seat.
4. Remove arm rest.
  - A. Remove mounting bolt from arm rest.
5. Remove seat back.
  - A. Remove mounting bolts from side of seat.

6. Remove seat cushion
  - A. Remove mounting bolts from bottom of seat.
7. Install front seat in reverse order of removal.

---

Tightening torque :

Seat mounting bolts and nut to

35~57 N·m (3.5~5.7 kg·m, 25~41 lb·ft)

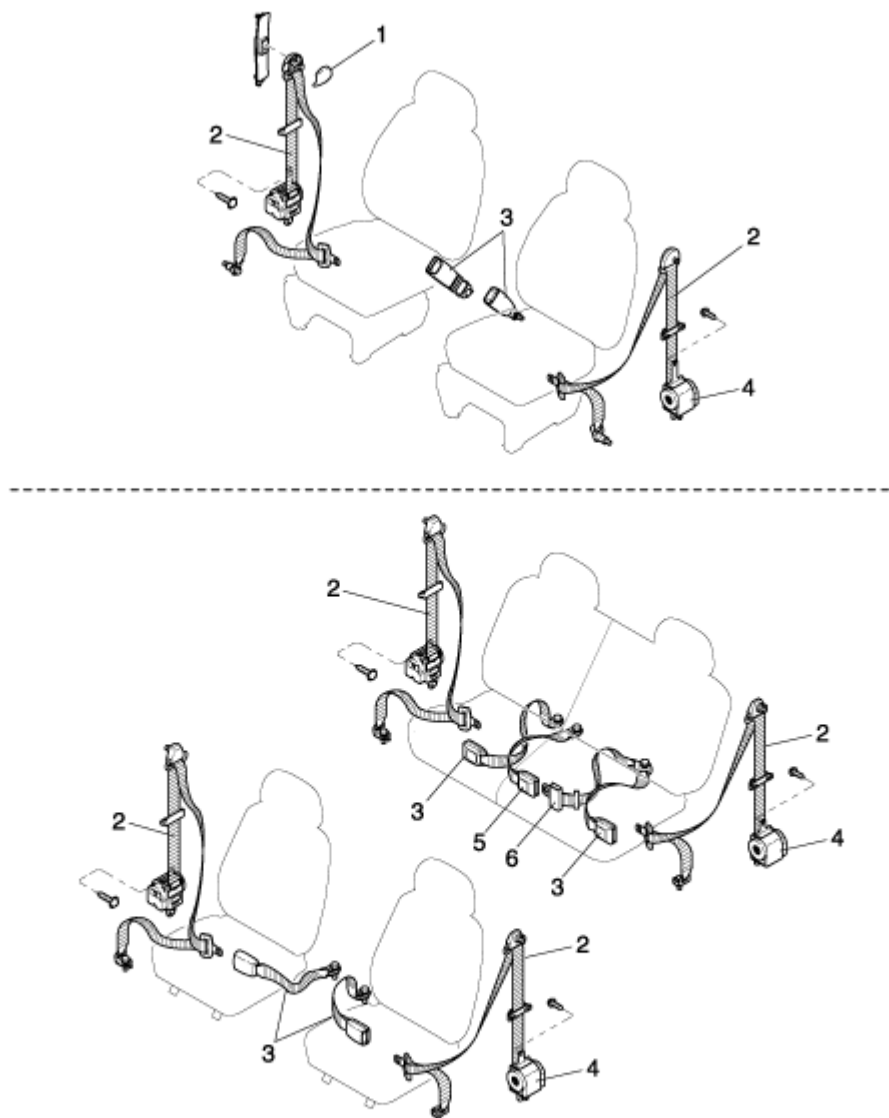
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# **Body (Interior and Exterior)**

Seat Belt - Front Seat Belt



## Components



1. Anchor cover

2. Lab/shoulder belt assembly

3. Buckle assembly

4. Retractor assembly

5. Center buckle assembly

6. Center tongue belt assembly



## Inspection

1. Inspect buckle assembly mounting to ensure that it is secure.
2. Inspect anchor assembly mounting to ensure that it is secure.
3. Remove pillar lower trim.
4. Inspect retractor assembly mounting to ensure that it is secure.
5. Install pillar lower trim.
6. Extend safety belt fully to ensure its motion is smooth and easy.
7. Retract safety belt fully to ensure its motion is smooth and easy.
8. Buckle safety belt. Pull firmly on each side of buckle to ensure that it is secure.
9. Press buckle release button to ensure that it releases correctly and returns to its original position.
10. Inspect safety belt reminder system with driver's safety belt retracted. Turn ignition key to "ON" position. Safety belt icon on warning and indicator panel will light up and a chime will be heard. Lighted icon and chime indicate that driver's safety belt is not buckled. Chime will not be heard after 5~6 seconds. Turn ignition key to "LOCK" position. Safety belt icon and chime will extinguish. Turn key to "ON" position. Just as before, safety belt icon will light up and chime will be heard. Buckle driver's safety belt. Safety belt icon and chime will extinguish. Turn key to "LOCK" position and remove key.

### WARNING

If a safety belt is not functioning and cannot be immediately repaired, warn the customer not to use that seating position. If the customer must use that seating position, encourage the customer to use a substitute vehicle until the proper repair can be made. If the customer refuses, refer the matter to the Service Manager.

## Disassembly

1. Remove bolt cover near bottom of assembly.
2. Remove one bolt from mounting bracket.

## Reassemble

1. Install one bolt through mounting bracket.

---

Tighten anchor bolts to :  
40~55 N·m (4.0~5.5 kg·m, 29~40 lb·ft)

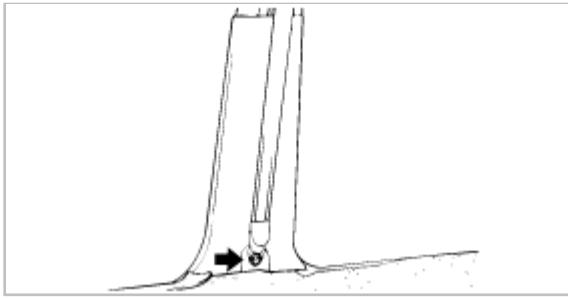
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2. Install bolt cover.

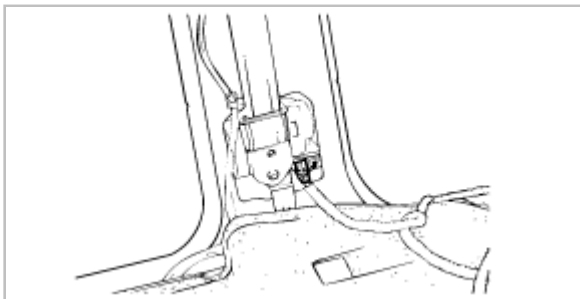
## Lap/Shoulder belt assembly

### Removal

1. Remove lower anchor bolt.



2. Retract belt slowly as far as it will go.
3. Unsnap the captive shoulder belt anchor bolt cover from bottom and lift up.
4. Remove upper anchor bolt.
5. Remove pillar lower trim.
6. Remove belt guide.
7. Remove one bolt and one sheet metal screw to remove retractor assembly.



#### CAUTION

1. A pretensioner functions one time only. Be sure to replace the pretensioner safety belt after it is deployed.
2. Do not attempt to disassemble or repair the seat belt pretensioner. If it malfunctions, replace it with a new pretensioner safety belt.
3. Be cautions in handling a pretensioner safety belt, and do not expose it to water or oil. If crushed, damaged, or deformed, replace it with a new one.
4. Connect the battery only after the installation of the pretensioner safety belt has been correctly completed.
5. Removal of pretensioner retractor :
  - 1) Turn ignition switch "OFF".
  - 2) Disconnect negative battery cable.
  - 3) Wait for about 1 minute.
  - 4) Disconnect gas generator connector.
  - 5) Remove retractor screw.

## Installation

1. Install one bolt and one sheet metal screw to attach the retractor assembly.

Tighten anchor bolts to :  
 40~55 N·m (4.0~5.5 kg·m, 29~40 lb·ft)

#### WARNING



Exercise care to install the belt so there are no twists in it. A twisted belt may be harmful to a passenger in a serious accident. A twisted belt alters the distribution of force resulting from sudden deceleration.

2. Install two screws in belt guide.

3. Install pillar trim.

4. Install upper anchor bolt.

---

Tighten anchor bolts to :  
40~55 N·m (4.0~5.5 kg·m, 29~40 lb·ft)

---

5. Install anchor bolt cover.

6. Install lower anchor bolt through lap belt mounting bracket.

---

Tighten anchor bolts to :  
40~55 N·m (4.0~5.5 kg·m, 29~40 lb·ft)

---

7. Install bolt cover.