## **Body (Interior and Exterior)**

### **General Information**

### **Specifications**

Items		Specification
Hood	Туре	Rear hinged, gas lifter type
Front Door	Construction	Front hinged, full door construction
	Regulator system	Wire drum type
	Locking system	Pin-fork system
Rear Door	Construction	Front hinged, full door construction
	Regulator system	Wire drum type
	Locking system	Pin-fork system
Trunk Lid	Туре	Torsior bar type
Seat Belts	Front	3 point type with Emergency Locking Retractor (E.L.R)
	Rear	3 point type with Emergency Locking Retractor (E.L.R) 2 point type







## **General Information**

BD-3

**Tightening Torque** 

	Items	N.m	Kgf.m	lb-ft
Front andrear doors	Door hinge to body	33.3 ~ 41.2	3.4 ~ 4.2	24.6 ~ 30.4
	Door hinge to door	21.6 ~ 26.5	2.2 ~ 2.7	15.9 ~ 19.5
	Door checker to door	6.9 ~ 10.8	0.7 ~ 1.1	5.1 ~ 8.0
	Door checker to body	16.7 ~ 21.6	1.7 ~ 2.2	12.3 ~ 15.9
	Door glass mounting bolt	3.9 ~ 2.9	0.4 ~ 1.2	11.8 ~ 8.7
	Outside handle base mounting bolt	0.7 ~ 0.5	0.07 ~ 0.1	1.0 ~ 0.7
	Latch mounting bolts	6.9 ~ 10.8	0.7 ~ 1.1	5.1 ~ 8.0
	Door module mounting bolts	6.9 ~ 10.8	0.7 ~ 1.1	5.1 ~ 8.0
	Door striker mounting bolts	16.7 ~ 21.6	1.7 ~ 2.2	12.3 ~ 15.9
Trunk lid	Trunk lid hinge to body	6.9 ~ 8.8	0.7 ~ 0.9	5.1 ~ 6.5
	Trunk lid hinge to trunk lid	6.9 ~ 8.8	0.7 ~ 0.9	5.1 ~ 6.5
	Trunk lid latch mounting bolts	6.9 ~ 10.8	0.7 ~ 1.1	5.1 ~ 8.0
	Trunk lid striker mounting bolts	6.9 ~ 10.8	0.7 ~ 1.1	5.1 ~ 8.0
Hood	Hood hinge to body	21.6 ~ 26.5	2.2 ~ 2.7	15.9 ~ 19.5
	Hood hinge to hood	21.6 ~ 26.5	2.2 ~ 2.7	15.9 ~ 19.5
	Hood latch to body	7.8 ~ 11.8	0.8 ~ 1.2	5.8 ~ 8.7
Seat 33220 Carlot	Front seat mounting bolts	49.0 ~ 63.7	5.0 ~ 6.5	36.2 ~ 47.0
	Front seat frame mounting bolts	49.0 ~ 63.7	5.0 ~ 6.5	36.2 ~ 47.0
	Rear seat mounting bolts	16.7 ~ 25.5	1.7 ~ 2.6	12.3 ~ 18.8
Seat belt	Height adjuster mounting bolts	39.2 ~ 53.9	4.0 ~ 5.5	28.9 ~ 39.8
	Front seat belt upper anchor mounting bolt	39.2 ~ 53.9	4.0 ~ 5.5	28.9 ~ 39.8
	Front seat belt lower anchor mounting bolt	39.2 ~ 53.9	4.0 ~ 5.5	28.9 ~ 39.8
	Front seat belt retractor mounting bolt	39.2 ~ 53.9	4.0 ~ 5.5	28.9 ~ 39.8
	Rear seat belt lower anchor mounting bolt	39.2 ~ 53.9	4.0 ~ 5.5	28.9 ~ 39.8
	Rear seat belt retractor mounting bolt	39.2 ~ 53.9	4.0 ~ 5.5	28.9 ~ 39.8
	Seat belt buckle mounting bolt	39.2 ~ 53.9	4.0 ~ 5.5	28.9 ~ 39.8
Outside rearview mirror	Outside rearview mirror mounting nuts	6.9 ~ 10.8	0.7 ~ 1.1	5.1 ~ 8.0
Panoramaroof	Panoramaroof mounting nuts	19.6 ~ 29.4	2.0 ~ 3.0	14.5 ~ 21.7

## **Body (Interior and Exterior)**

### **Special Service Tools**

Tool (Number and name)	Illustration	Use
09861-31100 Sealant cut-out tool	SSPBD00004	Cutting windshield sealant (use with 09861-31200)
09861-31200 Sealant cutting blade		Cutting windshield sealant (use with 09861-31100)
	SSPBD00005	
09861-31000 Windshield molding remover	SSPBD00008	Windshield moding removal
09880-4F000 Hog ring clip installer	SSPBD00009	Hog ring clip installation
09816-2P100 Power silent cutting tool	SSPBD00011	Tool box for removing panoramaroof

## **General Information**

**BD-5** 

Tool (Number and name)	Illustration	Use
09816-2P110 Air power tool	SSPBD00019	Air tool for installing blade
09816-2P121 Cutter-1	SSPBD00012	Blade for removing the front and side area of panoramaroof (This blade has a inclination to push upward.)
09816-2P122 Cutter-2	SSPBD00013	Blade for removing the front and side area of panoramaroof (This blade has a inclination to push downward.)
09816-2P123 Cutter-3	SSPBD00017	Blade for removing the front and side area of panoramaroof (This blade has a inclination to push downward.)
09816-2P124 Cutter-4	SSPBD00018	Blade for removing the front and side area of panoramaroof (This blade has a inclination to push downward.)

## **Body (Interior and Exterior)**

Tool (Number and name)	Illustration	Use
09816-2P127 Cutter-5	هره	Blade for removing the rear area of pa- noramaroof
	SSPBD00024	
09816-2P130 Cutter-10	0.5	Blade for removing the edge area of panoramaroof
	SSPBD00016	





## **General Information**

**BD-7** 

**Troubleshooting** 

Symptom	Suspect Area	Remedy (Refer to page)	
Water leaks from sunroof	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	
Noise heard when opening. closing sunroof	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 partially	Foreign particles lodged in guide rail	Adjust or replace	
	Incorrect engagement of motor pinion with drive cable		
	Decrease in motor's clutch slipping force		
	Increased sunroof sliding resistanceor interference of sunroof with drive cables, weatherstrip, etc. due tomal adjustment of sunroof		
Noise in motor (clutch slipping noise from motor when sunroofIs 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	
Door glass fails to operate up and down	Incorrect window glass installation	Adjust position	
	Damaged or faulty regulator arm or regulator	Correct or replace	
Door does not open or close	Incorrect door installation	Adjust position	
completely	Defective door check assembly	Correct or replace	
	Door hinge requires grease	Apply grease	
Hood does not open or close completely	Striker and latch not properly aligned	Adjust	
	Incorrectly installed hood	Adjust	
	Incorrect hood bumper height	Adjust	
Water leak through	Defective seal	Fill with sealant	
windshield end rear window	Defective flange	Correct	

## **Body (Interior and Exterior)**

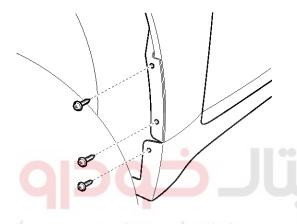
#### **Exterior**

#### **Fender**

#### Replacement

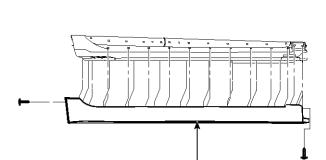
#### **MOTICE**

- Be careful not to damage the fender and body.
- When removing the clips, use a clip remover.
- Remove the front bumper.
   (Refer to the BD group "Front Bumper")
- 2. Loosen the mud mounting screws.



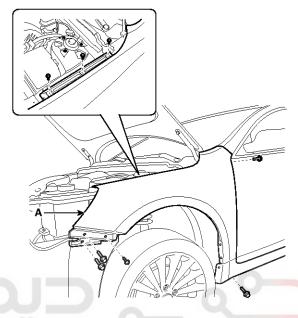
SVGBD0001D

3. After loosening the mounting screws and clips, then remove the side sill garnish (A).



SVGBD0002D

4. After loosening the fender mounting screw and bolts, then remove the fender (A).



SVGBD0003D

5. Installation is the reverse of removal.

#### Hood

#### Replacement Hood Assembly Replacement

#### **MOTICE**

- When removing and installing the hood, an assistant is necessary.
- Be careful not to damage the hood and body.
- When removing the clips, use a clip remover.
- 1. Using a screwdriver, lift the socket clips (A) up slightly on both ends of the lifter (B).

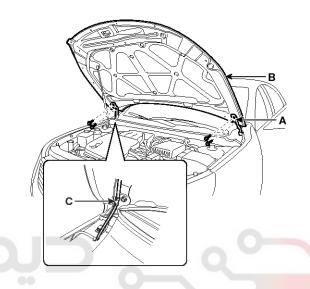


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- 2. After loosening the hood hinge (A) mounting bolts, remove the hood panel (B).
- 3. Remove the washer nozzle (C).

#### Tightening torque:

21.6~26.5 N.m (2.2~2.7 kgf.m, 15.9~19.5 lb-ft)



SVGBD0005D

4. Installation is the reverse of removal.

#### MOTICE

- Make sure the hood locks/unlocks and opens/closes properly.
- · Adjust the hood alignment.

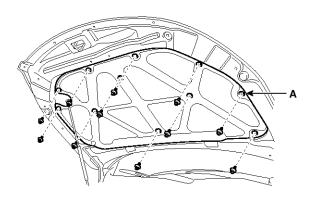
## **Body (Interior and Exterior)**

#### **Hood Insulator Pad Replacement**

1. Using a clip remover, detach the clips, and remove the hood insulator pad (A).

#### MOTICE

• Be careful not to scratch the hood panel.



SVGBD0006D

2. Installation is the reverse of removal.

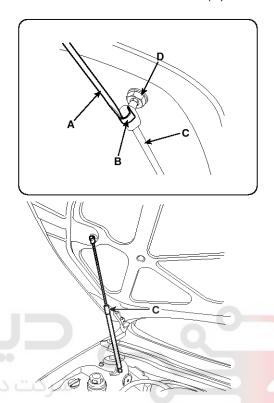
#### MOTICE

Replace any damaged clips.

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#### **Hood Lift Replacement**

1. Using a screwdriver (A), lift the socket clips (B) up slightly on both ends of the lifter (C), and then remove the lifter from the bracket (D).



SVGBD0013D

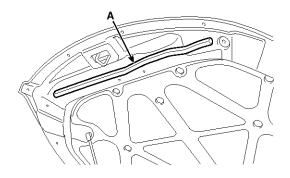
Installation is the reverse of removal.

#### **Hood Seal Weatherstrip Replacement**

1. Detach the clips, then remove the hood seal weatherstrip (A).

#### **⚠**CAUTION

Be careful not to scratch the hood seal weatherstrip.



SVGBD0007D

2. Installation is the reverse of removal.

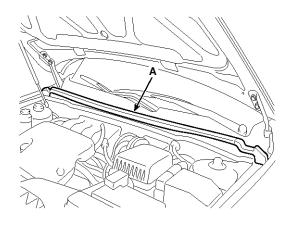
#### MOTICE

Replace any damaged clips.



#### **Hood Weatherstrip Replacement**

1. Remove the hood weatherstrip (A).



SVGBD0008D

2. Installation is the reverse of removal.

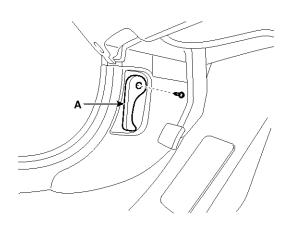
#### MOTICE

· Replace any damaged clips.



#### **Hood Release Handle Replacement**

1. After loosening the mounting screw, then remove the hood release handle (A).



SVGBD0009D

2. Installation is the reverse of removal.

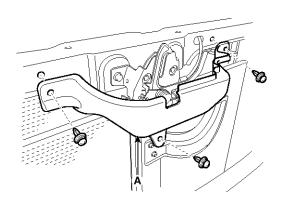
#### MOTICE

- Make sure the hood latch cable is connected properly.
- Make sure the hood locks/unlocks and opens/closes properly.

## **Body (Interior and Exterior)**

#### **Hood Latch Replacement**

- Remove the front bumper cover.
   (Refer to the BD group "Front Bumper")
- 2. Detach the clips, then remove hood latch cover (A).

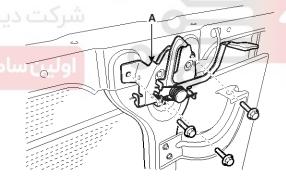


SVGBD0010D

3. Remove the hood latch (A) mounting bolts.

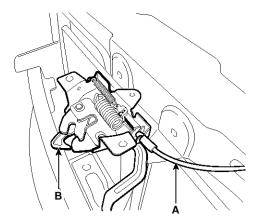
#### **Tightening torque:**

 $7.8 \sim 11.8 \text{N.m} \ (0.8 \sim 1.2 \text{kgf.m}, 5.8 \sim 8.7 \ \text{lb-ft})$ 



SVGBD0011D

4. Disconnect the hood latch cable (A) and remove the hood latch (B).



SVGBD0012D

5. Installation is the reverse of removal.

#### MOTICE

- Make sure the hood latch release cable is connected properly.
- Make sure the hood locks/unlocks and opens/closes properly.
- Adjust the latch alignment.



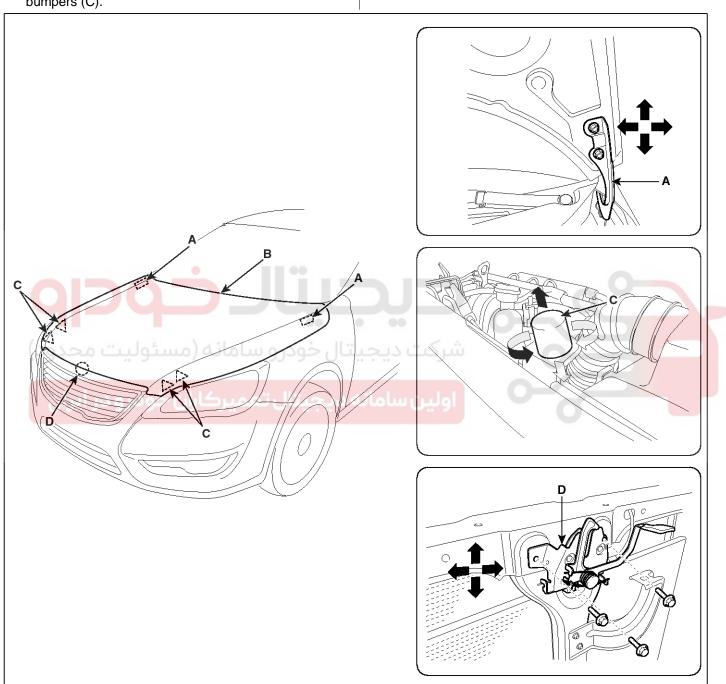
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## **Body (Interior and Exterior)**

#### Adjustment Adjust Hood

- 1. After loosening the hinge (A) mounting bolt, adjust the hood (B) by moving it up or down, or right or left.
- 2. Adjust the hood height by turning the hood overslam bumpers (C).
- 3. After loosening the hood latch (D) mounting bolts, adjust the latch by moving it up or down, or right or left.



SVGBD0014D

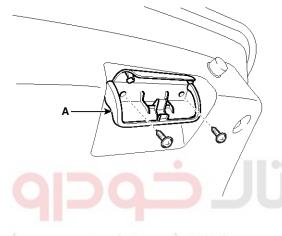
#### **Trunk Lid**

#### Replacement

#### **Trunk Lid Assembley Replacement**

#### **MOTICE**

- When removing and installing the trunk lid, an assistant is necessary.
- · Wear gloves to protect hands from injury.
- 1. After loosening the mounting screws, then remove the trunk inside handle (A).



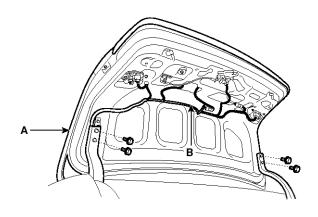
SVGBD0015D

2. Detach the clips, then remove the trunk lid trim (A).

- 3. Disconnect wiring (B) and connectors.
- 4. After loosening the mounting bolts, then remove the trunk lid (A).

#### **Tightening torque:**

6.9~8.8 N.m (0.7~0.9 kgf.m, 5.1~6.5 lb-ft)

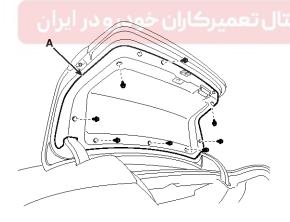


SVGBD0026D

5. Installation is the reverse of removal.

#### MOTICE

· Replace any damaged clips.



SVGBD0016D

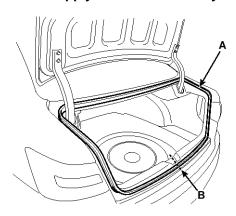
## **Body (Interior and Exterior)**

#### **Trunk Lid Weatherstrip Replacement**

1. Remove the trunk lid weatherstrip (A).

#### **A**CAUTION

· Do not apply sealant to the body.



SVGBD0018D

2. Installation is the reverse of removal.

#### MOTICE

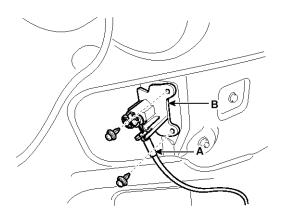
 Install the weatherstrip aligned with canter line (B).

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#### **Key Holder Replacement**

- 1. Remove the trunk lid trim.
- 2. Disconnect the inside handle cable (A), then loosen the key holder (B) mounting clips and remove.



SVGBD0019D

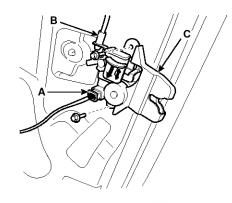
3. Installation is the reverse of removal.

#### **Trunk Lid Latch Replacement**

- 1. Remove the trunk lid trim.
- 2. Disconnect the trunk lid latch connector (A).
- 3. Disconnect the cable (B), then loosen the latch assembly (C) mounting bolts and remove.

#### **Tightening torque:**

6.9~10.8 N.m (0.7~1.1 kgf.m, 5.1~8.0 lb-ft)



SVGBD0020D

4. Installation is the reverse of removal.

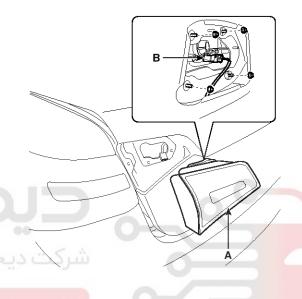
#### MOTICE

 Make sure the trunk lid locks/unlocks and opens/closes properly.

#### **Trunk Lid Back Panel Replacement**

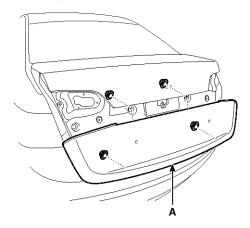
#### MOTICE

- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.
- Put on gloves to protect your hands.
- 1. Remove the trunk lid trim.
- 2. After loosening the mounting nuts, then disconnect the rear combination lamp connector (B).
- 3. Remove the rear combination lamp (A).



SVGBD0248D

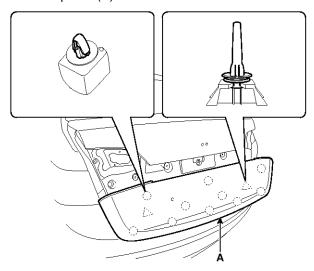
4. Loosen the trunk lid back panel (A) mounting nuts.



SVGBD0021D

## **Body (Interior and Exterior)**

5. Using a screwdriver or remover, remove the trunk lid back panel (A).



SVGBD0022D

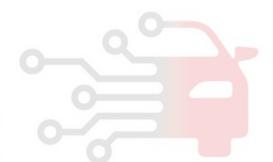
6. Installation is the reverse of removal.

#### MOTICE

Replace any damaged clips.

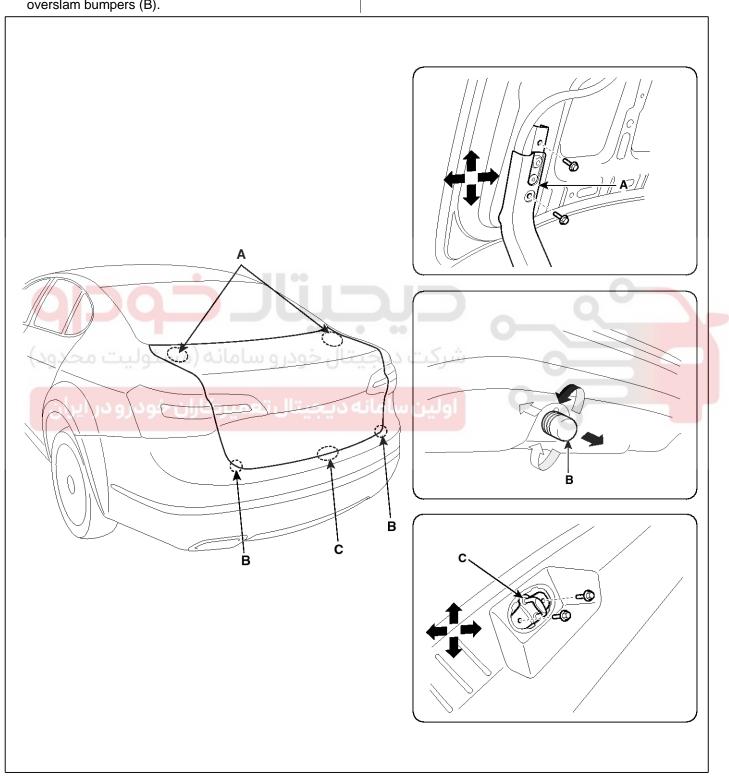


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#### **Adjustment**

- After loosening the trunk lid hinge (A) mounting bolt, adjust the trunk lid by moving it up or down, or right or left.
- 2. Adjust the trunk lid height by turning the trunk lid overslam bumpers (B).
- After loosening the trunk lid latch (C) mounting bolts, adjust the trunk lid latch by moving it up or down, or right or left.

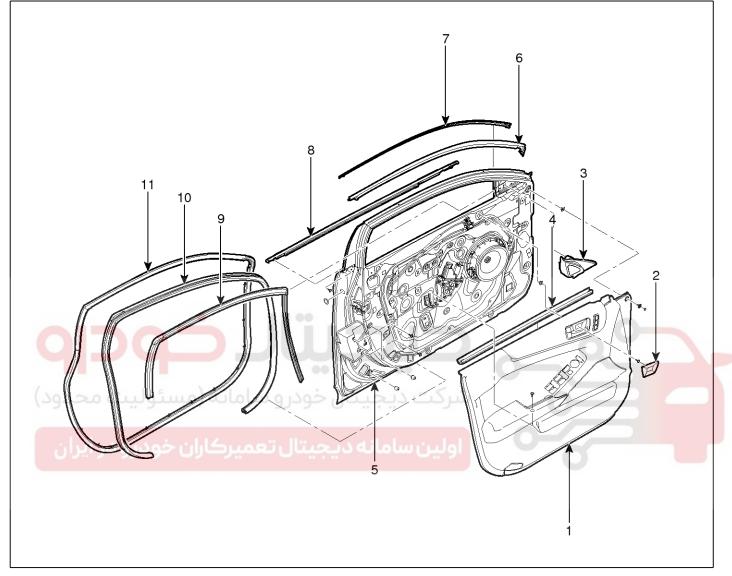


SVGBD0023D

## **Body (Interior and Exterior)**

#### **Front Door**

#### Components



SVGBD0045D

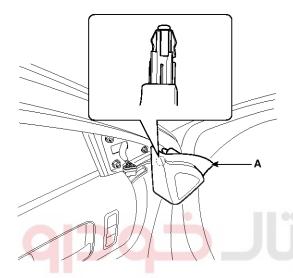
- 1. Front door trim
- 2. Front door inside cap
- 3. Front door frame inner cover
- 4. Front door belt inner weatherstrip
- 5. Front door panel
- 6. Front door upper opening weatherstrip

- 7. Front door frame molding
- 8. Front door belt outer weatherstrip
- 9. Front door window glass run assembly
- 10. Front door body side weatherstrip
- 11. Front door side weatherstrip

# Replacements Door Trim Replacement

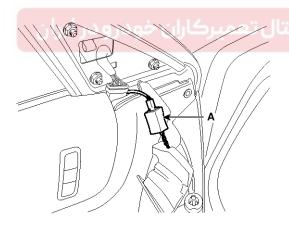
#### **MNOTICE**

- Be careful not to scratch the door trim and other parts.
- Put on gloves to protect your hands.
- 1. Using a screwdriver or remover, remove the front door frame inner cover (A).



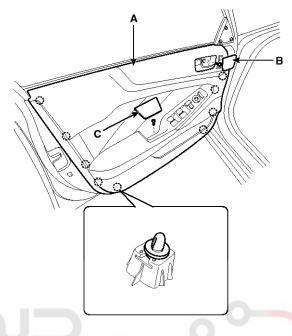
SVGBD0025D

2. Disconnect the tweeter speaker connector (A).



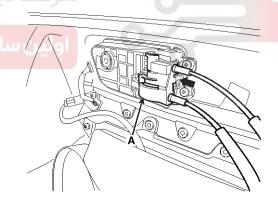
SVGBD0028D

- 3. Using a screwdriver or remover, remove the front door inside cap (B) and fullhandle cover (C).
- 4. After loosening the mounting screws, then remove the front door trim (A).



SVGBD0017D

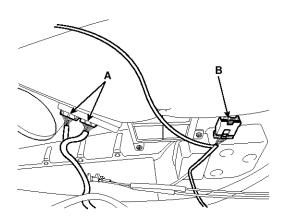
5. Remove the inside handle cage (A).



SVGBD0027D

## **Body (Interior and Exterior)**

6. Disconnect the power window connector (A), and integrated connector (B).



SVGBD0029D

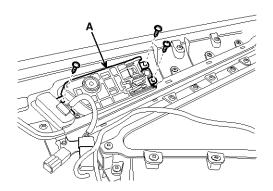
7. Installation is the reverse of removal.

#### MOTICE

- Make sure connectors are connected properly and each rod is connected securely.
- Make sure the door locks/unlocks and opens/closes properly.
- Replace any damaged clips.

#### **Inside Handle Replacement**

- 1. Remove the front door trim
- 2. After loosening the mounting screws, then remove the inside handle (A).



SVGBD0030D

3. Installation is the reverse of removal.

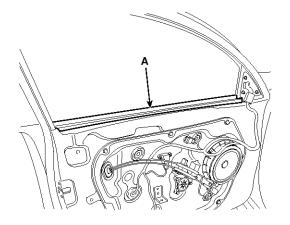
#### MOTICE

- Make sure the door locks/unlocks and opens/closes properly.
- · Replace any damaged clips.

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#### **Glass Replacement**

- 1. Remove the front door trim.
- 2. Remove the front door belt inner weatherstrip (A).



SVGBD0031D

3. Remove the glass mounting hole plug (A).

#### MOTICE

- Using the door switch to align the mounting hole with the hole on the door glass.
- If it is impossible, align the hole by hand after removing the motor.
- Be careful not to drop to glass and scratch the glass surface.
- 4. Carefully adjust the glass (B) until you can see the bolts, then loosen them. Separate the glass from the glass run and carefully pull the glass out through the window slot.

#### Tightening torque:

 $\frac{3.9 \sim 2.9 \text{ N.m } (0.4 \sim 1.2 \text{ kgf.m, } 11.8 \sim 8.7 \text{ lb-ft})}{\text{B}}$ 



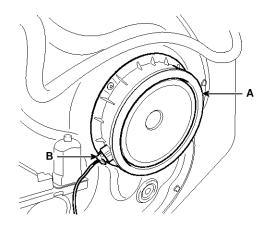
5. Installation is the reverse of removal.

#### MOTICE

- Roll the glass up and down to see if it move freely without binding.
- · Adjust glass position as needed.

#### **Speaker Replacement**

- 1. Remove the front door trim.
- 2. Disconnect the speaker connector (B).
- 3. Drill out the rivets to remove the speaker (A) from the module.



SVGBD0033D

4. Installation is the reverse of removal.

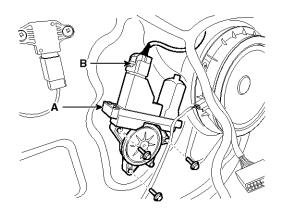
#### **WNOTICE**

- Use sheet metal screws to secure the speaker.
- Replace ant damaged clips.
- Make sure the door locks/unlocks and opens/closes properly.
- Make sure connectors are connected properly and each rod is connected securely.

### **Body (Interior and Exterior)**

#### **Power Window Motor Replacement**

- 1. Remove the front door trim.
- 2. Disconnect the power window motor connector (B).
- 3. After loosening the mounting bolts, then remove the power window motor (A).



SVGBD0034D

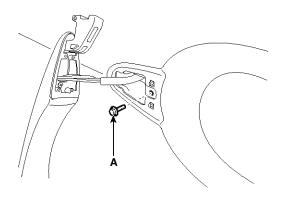
4. Installation is the reverse of removal.

#### MOTICE

- Grease should be applied to areas where there is rotational parts and springs.
- Roll the glass up and down to see if it move freely without binding.
- Replace ant damaged clips.
- Make sure the door locks/unlocks and opens/closes properly.

#### **Door Module Assembly Replacement**

- 1. Remove the following parts:
  - Front door trim
  - · Window glass
  - Outside handle
- 2. Loosen the mounting bolt (A).

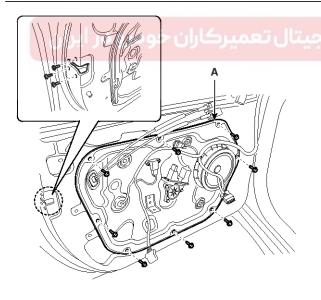


SVGBD0035D

3. After loosening the door module mounting bolts, then remove the front door module (A).

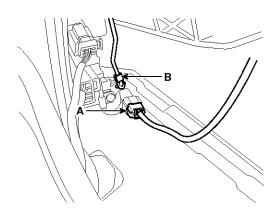
#### **Tightening torque:**

6.9~10.8 N.m (0.7~1.1 kgf.m, 5.1~8.0 lb-ft)



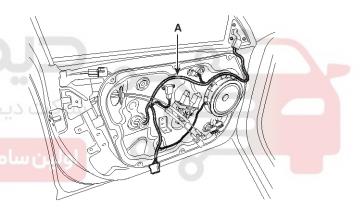
SVGBD0036D

4. Disconnect the outside handle connector (A) and outside rod (B).



SVGBD0038D

5. Disconnect the connectors and door module wiring harness (A).



SVGBD0037D

6. Installation is the reverse of removal.

#### **MNOTICE**

- The area of whole parts should be applied with sufficient grease.
- Make sure connectors are connected properly and each rod is connected securely.
- Make sure the door locks/unlocks and opens/closes properly.

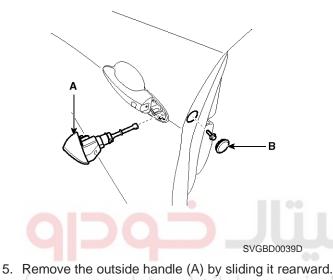
## **Body (Interior and Exterior)**

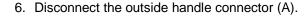
#### **Outside Handle Replacement**

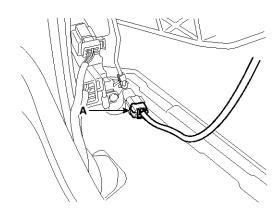
- 1. Remove the front door trim.
- 2. Remove the front door module.
- 3. Remove the hole plug (B).
- 4. After loosening the mounting bolt, then remove the outside handle cover (A).

#### **Tightening torque:**

 $0.7 \sim 0.5$  N.m (0.07  $\sim 0.1$  kgf.m, 1.0  $\sim 0.7$  lb-ft)







SVGBD0269D

7. Installation is the reverse of removal.

#### **MNOTICE**

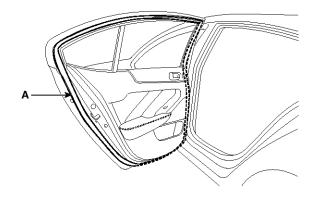
locks/unlocks Make the door sure and opens/closes properly.



SVGBD0040D

#### **Door Weatherstrip Replacement**

- 1. Loosen the checker mounting bolts.
- 2. Detach the clips, then remove the front door weatherstrip (A).



SVGBD0065D

3. Installation is the reverse of removal.



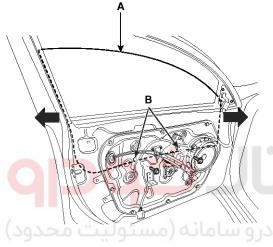


### **Body (Interior and Exterior)**

# Adjustment Glass Adjustment

#### **MNOTICE**

- Check the glass run channel for damage or deterioration, and replace them as needed.
- 1. Remove the following parts:
  - Front door trim.
  - Front door frame inner cover.
- 2. Remove the glass mounting hole plug (B).
- 3. Carefully move the glass (A) until the glass mounting bolts are visible, then loosen them.



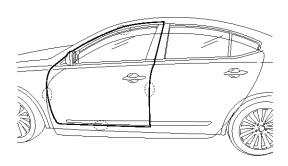
SVGBD0043D

4. Check that the glass moves smoothly.

#### **Door Position Adjustment**

#### MOTICE

- After installing the door, check for a flush fit with the body, then check for equal gaps between the front, rear, and bottom, door edges and the body. Check that the door and body edges are parallel. Before adjusting, replace the mounting bolts.
- 1. Check that the door and body edges are parallel.



SVGBD0249D

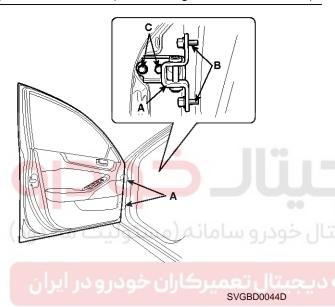
Place the vehicle on a firm, level surface when adjusting the doors.

- 3. Adjust at the hinges (A):
  - Loosen the door mounting bolts slightly, and move the door in or out until it aligns flush with the body.
  - Loosen the hinge mounting bolts slightly, and move the door backward or forword, up or down as necessary to equalize the gaps.
  - Place a shop towel on the jack to prevent damage to the door when adjusting the door.

#### **Tightening torque:**

(B): 21.6  $\sim$  26.5 N.m (2.2  $\sim$  2.7 kgf.m, 15.9  $\sim$  19.5 lb-ft)

(C): 33.3  $\sim$  41.2 N.m (3.4  $\sim$  4.2 kgf.m, 24.6  $\sim$  30.4 lb-ft)



- 4. Grease the pivot portions of the hinges indicated.
- 5. Check for water leaks.

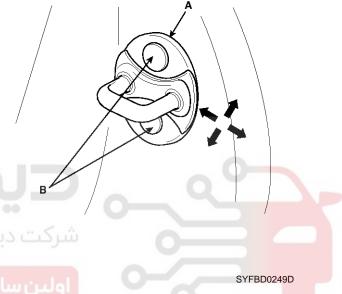
#### **Door Striker Adjustment**

Make sure the door latches securely without slamming it. If necessary adjust the striker (A): The striker nuts are fixed. The striker can be fine adjusted up or down, and in or out.

1. Loosen the screws (B) just enough for the striker to move.

#### **Tightening torque:**

(B):  $16.7 \sim 21.6 \text{ N.m}$  ( $1.7 \sim 2.2 \text{ kgf.m}$ ,  $12.3 \sim 15.9 \text{ lb-ft}$ )

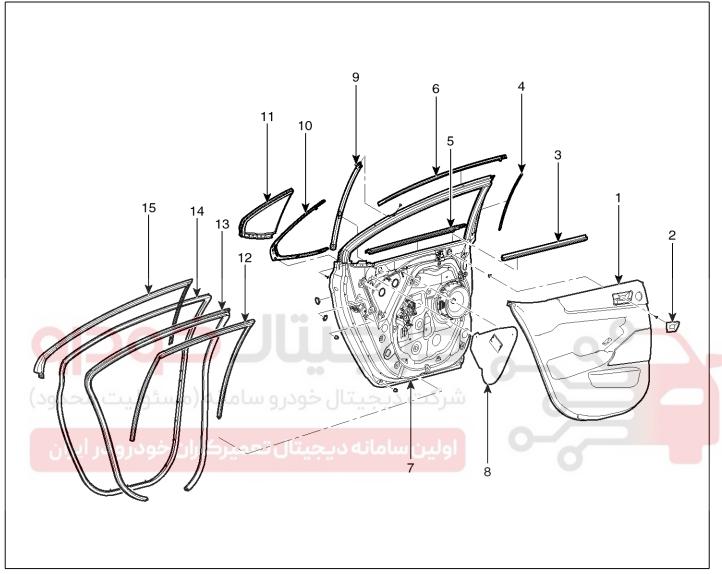


- Tap on the striker with a plastic hammer to adjust the striker. The striker will not move much, but will give some adjustment.
- Hold the outer handle out, and push the door against the body to be sure the striker allows a flush fit. If the door latches properly, tighten the screws and recheck.

## **Body (Interior and Exterior)**

#### **Rear Door**

#### **Components**



SVGBD0024D

- 1. Rear door trim
- 2. Rear inside handle cap
- 3. Rear door belt inner weatherstrip
- 4. Rear door side weatherstrip mounting molding
- 5. Rear door belt outside weatherstrip
- 6. Rear door frame molding
- 7. Rear door panel
- 8. Rear door seal

- 9. Rear door DIV channel
- 10. Rear door frame rear molding
- 11. Rear door fixed glass weatherstrip
- 12. Rear door glass run
- 13. Rear door body side weatherstrip
- 14. Rear door side weatherstrip
- 15. Rear door upper weatherstrip

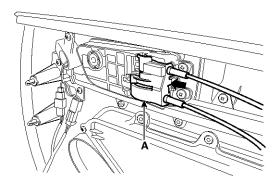
### Replacement Door Trim Replacement

#### **MNOTICE**

- Be careful not to scratch the door trim and other parts.
- Put on gloves to protect your hands.
- 1. Using a screwdriver or remover, remove the rear door inside handle cap (B) and full handle cover (C).
- 2. After loosening the mounting screws, then remove the rear door trim (A).

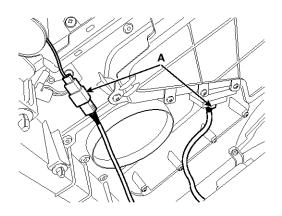


3. Disconnect the inside handle cage (A).



SVGBD0047D

4. Disconnect the connectors (A).



SVGBD0048D

5. Installation is the reverse of removal.

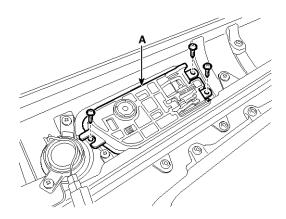
#### MOTICE

- Make sure connectors are connected properly and each rod is connected securely.
- Make sure the door locks/unlocks and opens/closes properly.

# **Body (Interior and Exterior)**

#### **Inside Handle Replacement**

- 1. Remove the rear door trim.
- 2. After loosening the mounting screws, then remove the inside handle (A).



SVGBD0049D

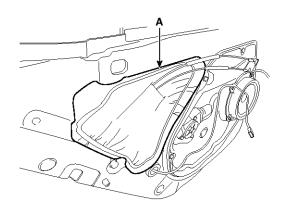
3. Installation is the reverse of removal.

#### MOTICE

- Make sure the door locks/unlocks opens/closes properly.
- Replace any damaged clips.

#### **Door Latch Replacement**

- 1. Remove the rear door trim.
- 2. Remove the rear door seal (A).

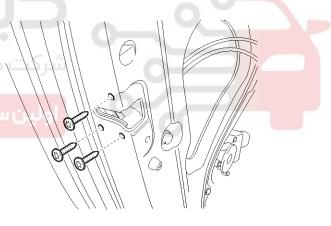


SVGBD0050D

3. Using a starwrench, loosen the mounting screws.

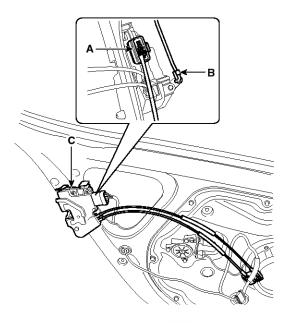
#### **Tightening torque:**

 $6.9 \simeq 10.8$  N.m (0.7  $\sim$  1.1 kgf.m,  $5.1 \sim 8.0$ lb-ft)



SVGBD0051D

- 4. Disconnect the connector (A) and rod (B).
- 5. Remove the rear door latch (C).



SVGBD0053D

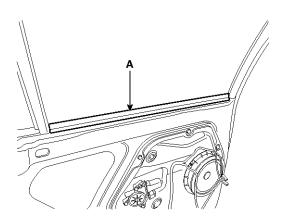
6. Installation is the reverse of removal.

#### MOTICE

- Make sure the connector is connected properly.
- Make sure the door locks/unlocks and opens/closes properly.
- Replace any damage clips.

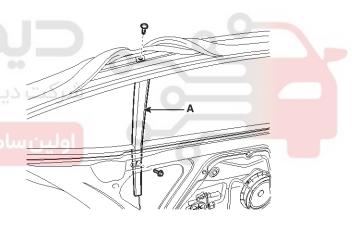
#### **Glass Replacement**

- 1. Remove the rear door trim.
- 2. Remove the rear door belt inner weatherstrip (A).



SVGBD0054D

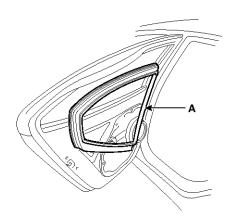
3. After loosening the mounting screw and bolt, then remove the rear channel (A).



SVGBD0055D

### **Body (Interior and Exterior)**

4. Remove the rear door fixed glass (A).



SVGBD0056D

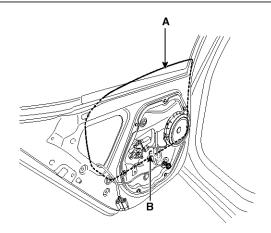
5. Remove the glass mounting hole plug (B).

#### **A**CAUTION

- Using the door switch to aligh the mounting hole with the hole on the door glass.
- If it is impossible, aligh the hole by hand after removing the motor.
- Be careful not to drop to glass and scratch the glass surface.
- Carefully move the glass (A) until you can see the bolts, then loosen them. Separate the glass from the glass run and carefully pull the glass out through the window slot.

#### **Tightening torque:**

3.9  $\sim$  2.9 N.m (0.4  $\sim$  1.2 kgf.m, 11.8  $\sim$  8.7 lb-ft)



SVGBD0057D

7. Installation is the reverse of removal.

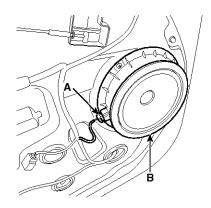
#### **MNOTICE**

- Roll the glass up and down to see if it move freely without binding.
- Adjust the glass position as needed.



#### **Speaker Replacement**

- 1. Remove the rear door trim.
- 2. Disconnect the speaker connector (A).
- 3. Drill out the rivets to remove the speaker (B).



SVGBD0058D

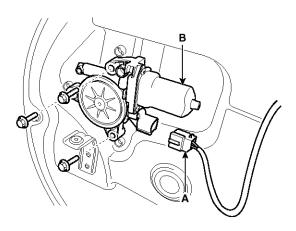
4. Installation is the reverse of removal.

#### MOTICE

- Use sheet metal screws to secure the speaker.
- Make sure connectors are plugged in properly.

#### **Power Window Motor Replacement**

- 1. Remove the rear door trim.
- 2. Disconnect the power window motor connector (A).
- 3. After loosening the mounting bolts, then remove the power window motor (B).



SVGBD0059D

4. Installation is the reverse of removal.

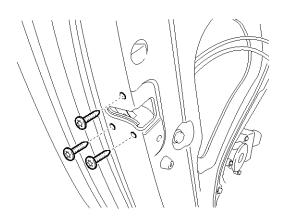
#### MOTICE

- Grease should be applied to areas where there is rotational parts and springs.
- Roll the glass up and down to see if it move freely without binding.

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#### **Outside Handle Replacement**

- 1. Remove the rear door trim.
- 2. Using a starwrench, loosen the mounting screws.

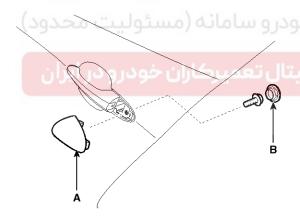


SVGBD0060D

- 3. Remove the hole plug (B).
- 4. After loosening the mounting bolt, then remove the outside handle cover (A).

#### Tightening torque:

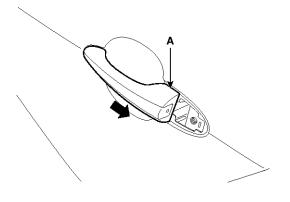
 $0.7 \sim 0.5$  N.m (0.07  $\sim 0.1$  kgf.m, 1.0  $\sim 0.7$  lb-ft)



SVGBD0061D

## **Body (Interior and Exterior)**

5. Remove the outside handle (A) by sliding it rearward.



SVGBD0062D

6. Installation is the reverse of removal.

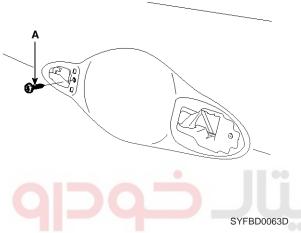
#### MOTICE

 Make sure the door locks/unlocks and opens/closes properly.



#### **Door Module Replacement**

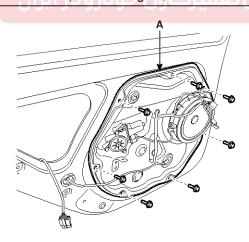
- 1. Remove the following parts:
  - Rear door trim
  - · Window glass
  - · Outside handle
  - Rear channel
  - · Rear door fixed glass
- 2. Loosen the mounting screw (A).



3. After loosening the rear door module mounting bolts, then remove the rear door module (A).

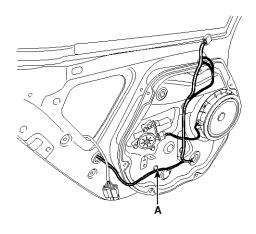
#### **Tightening torque:**

 $6.9 \sim 10.8 \text{ N.m} (0.7 \sim 1.1 \text{ kgf.m}, 5.1 \sim 8.0 \text{ lb-ft})$ 



SVGBD0260D

4. Disconnect the connectors, then remove the wiring harness (A).



SVGBD0064D

5. Installation is the reverse of removal.

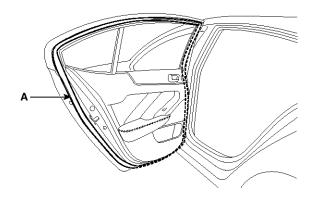
#### MOTICE

- The area of whole parts should be applied with sufficient grease.
- Make sure connectors are connected properly and each rod is connected securely.
- Make sure the door locks/unlocks and opens/closes properly.

# **Body (Interior and Exterior)**

### **Door weatherstrip Replacement**

1. After loosening the mounting screws, then remove the rear door weatherstrip (A).



SVGBD0065D

2. Installation is the reverse of removal.

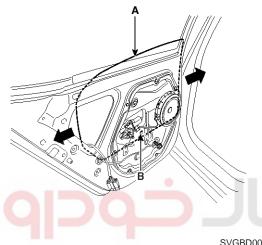




### Adjustment **Glass Adjustment**

### **MNOTICE**

- Check the glass run channel for damage or deterioration, and replace them necessary.
- 1. Remove the rear door trim.
- 2. Remove the glass mounting hole plug (B).
- 3. Carefully move the glass (A) until the glass mounting bolts are visible, then loosen them.



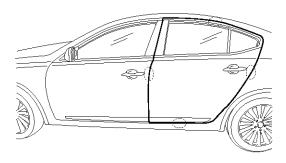
SVGBD0066D

4. Check that the glass moves smoothly.

### **Door Position Adjustment**

#### MNOTICE

- After installing the door, check for a flush fit with the adjacent body panels, then check for equal gaps between the front, rear, and bottom, door edges and the body. Check that the door and body edges are parallel. Before adjusting, replace the mounting bolts.
- 1. Check that the door and body edges are parallel.



SVGBD0068D

2. Place the vehicle on a firm, level surface when adjusting the doors.

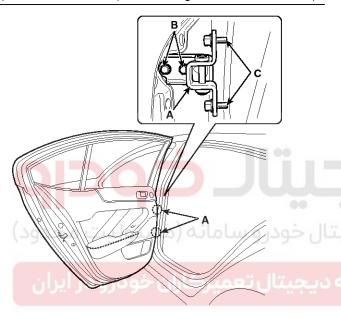
### 3. Adjust at the hinges (A):

- Loosen the door mounting bolts slightly, and move the door in or out until it aligns flush with the body.
- Loosen the hinge mounting bolts slightly, and move the door backward or forward, up or down as necessary to equalize the gaps.
- Place a shop towel on the jack to prevent damage to the door when adjusting the door.

### **Tightening torque:**

(B): 33.3  $\sim$  41.2 N.m (3.4  $\sim$  4.2 kgf.m, 24.6  $\sim$  30.4 lb-ft)

(C): 21.6  $\sim$  26.5 N.m (2.2  $\sim$  2.7 kgf.m, 15.9  $\sim$  19.5 lb-ft)



SVGBD0067D

- 4. Grease the pivot portions of the hinges indicated by the arrows.
- 5. Check for water leaks.

# **Body (Interior and Exterior)**

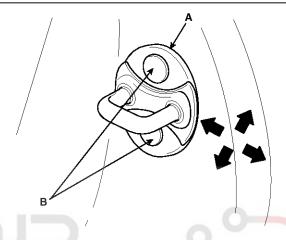
### **Door Striker Adjustment**

Make sure the door latches securely without slamming it. If necessary adjust the striker (A): The striker nuts are fixed. The striker can be fine adjusted up or down, and in or out.

1. Loosen the screws (B) just enough for the striker to move.

### **Tightening torque:**

(B):  $16.7 \sim 21.6 \text{ N.m}$  ( $1.7 \sim 2.2 \text{ kgf.m}$ ,  $12.3 \sim 15.9 \text{ lb-ft}$ )



SYFBD0250D

- Tap on the striker with a plastic hammer to adjust the striker. The striker will not move much, but will give some adjustment.
- Hold the outer handle out, and push the door against the body to be sure the striker allows a flush fit. If the door latches properly, tighten the screws and recheck.

### **Body Side Moldings**

# Replacement Roof Molding Replacement

### **MNOTICE**

- When prying with a flat-tip screwdriver, wrap itwith protective tape, and apply protective tapearound the related parts, to prevent damaged.
- Put on gloves to protect your hands.
- Take care not to scratch the body surface.
- Using a screwdriver or remover, remove the roof molding (A).



SVGBD0069D

2. Installation is the reverse of removal.

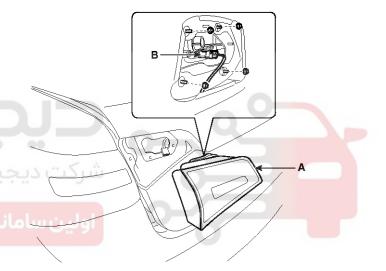
#### **MOTICE**

· Replace any damage clips.

### **Trunk Lid Garnish Replacement**

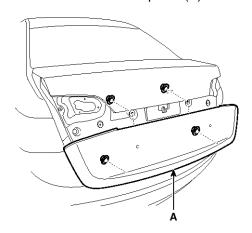
### **MNOTICE**

- When prying with a flat-tip screwdriver, wrap itwith protective tape, and apply protective tapearound the related parts, to prevent damaged.
- Put on gloves to protect your hands.
- Take care not to scratch the body surface.
- Remove the trunk lid trim.
   (Refer to the BD group "Trunk lid")
- 2. After loosening the mounting nuts, then remove the rear combination lamp (A).
- 3. Disconnect the rear combination lamp connector (B).



SVGBD0072D

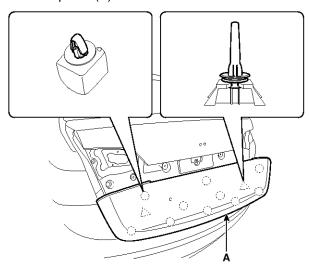
4. Loosen the trunk lid back panel (A) mounting nuts.



SVGBD0021D

## **Body (Interior and Exterior)**

5. Using a screwdriver or remover, remove the trunk lid back panel (A).



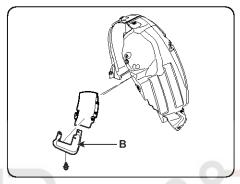
SVGBD0073D

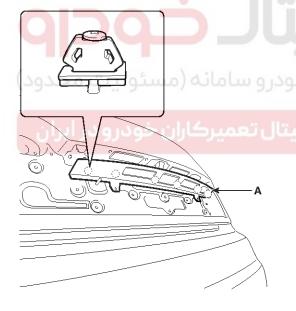
6. Using a screwdriver or remover, remove the trunk lid garnish (A).



#### MOTICE

- When prying with a flat-tipped screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damaged
- Put on gloves to protect your hands.
- Take care not to scratch the body surface.
- 1. Remove the front tire.
- 2. After loosening the mounting clips and screws, then remove the front wheel guard (A), mud guard (B).



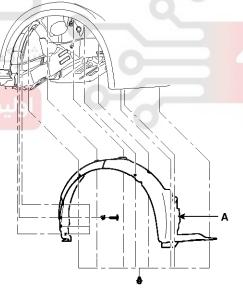


SVGBD0074D

7. Installation is the reverse of removal.

### MOTICE

- · Replace any damage clips.
- Make sure the trunk lid locks/unlocks and opens/closes properly.



SVGBD0075D

3. Installation is the reverse of removal.

### MOTICE

• Replace any damage clips.

### **Rear Wheel Guard And Mud Guard Replacement**

### **MNOTICE**

- When prying with a flat-tipped screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damaged
- Put on gloves to protect your hands.
- Take care not to scratch the body surface.
- 1. Remove the rear tire.
- 2. After loosening the mounting clips and nut, then remove the rear wheel guard (A) and mud guard (B)





3. Installation is the reverse of removal.

### MOTICE

• Replace any damage clips.

## **Body (Interior and Exterior)**

### **Door Garnish Replacement**

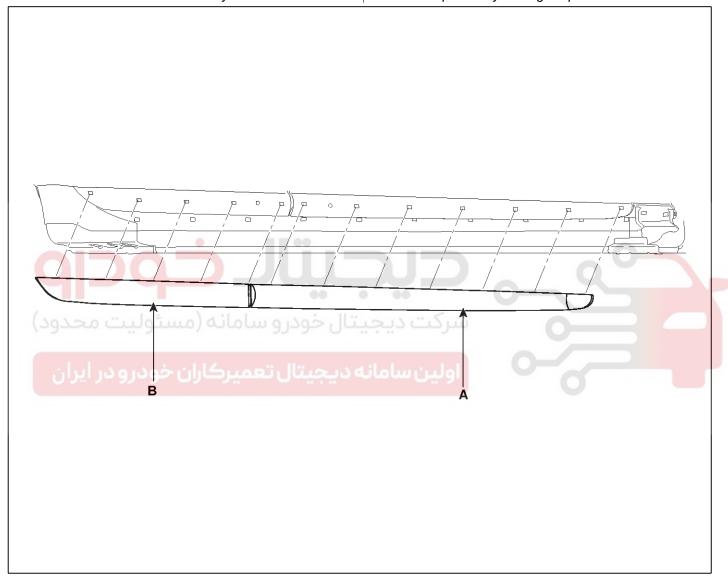
### **MOTICE**

- When prying with a flat-tipped screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damaged.
- Put on gloves to protect your hands.
- Take care not to scratch the body surface

- 1. Using a screwdriver or remover, remove the front door garnish (A).
- 2. Using a screwdriver or remover, remove the rear door garnish (B).
- 3. Installation is the reverse of removal.

### **MNOTICE**

• Replace any damage clips.



SVGBD0077D

### Side Sill Garnish Replacement

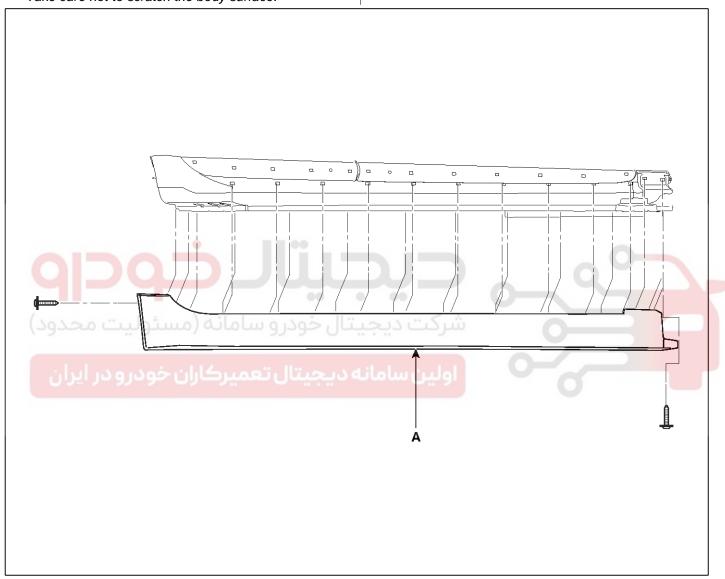
### **MOTICE**

- When prying with a flat-tip screwdriver, wrap itwith protective tape, and apply protective tapearound the related parts, to prevent damaged.
- Put on gloves to protect your hands.
- Take care not to scratch the body surface.

- 1. Loosen the mounting screws.
- 2. Using a screwdriver or remover, remove the side sill garnish (A).
- 3. Installation is the reverse of removal.

### MOTICE

• Replace any damage clips

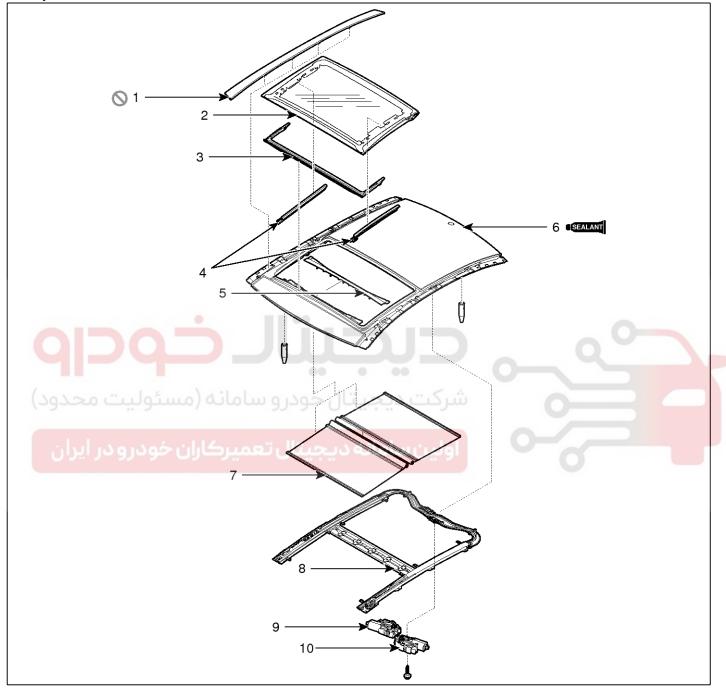


SVGBD0078D

# **Body (Interior and Exterior)**

### **Panoramaroof**

### Components



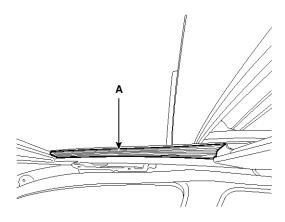
SVGBD0079D

- 1. Roof molding
- 2. Movable glass
- 3. Wind deflector
- 4. Folding cover assembly
- 5. Front cover assembly

- 6. Panoramaroof frame assembly
- 7. Roller blind assembly
- 8. Mechanism assembly
- 9. Movable glass motor assembly
- 10. Roller blind motor assembly

# Replacements Movable glass Replacement

- 1. Open the movable glass fully.
- 2. Remove the folding cover (A).

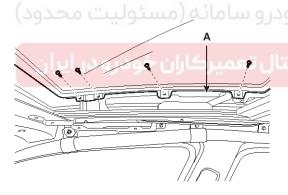


SVGBD0297D

3. After loosening the mounting screws, then remove the movable glass (A).

### **CAUTION**

Do not damage the screws.



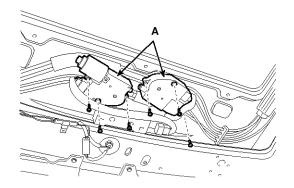
SVGBD0298D

4. Installation is the reverse of removal.

### **Motor Replacement**

### **A**CAUTION

- Confirm the position of guide whether it is closed or not when you remove the motor.
- Remove the roof trim.
   (Refer to the BD group "Roof Trim")
- 2. After loosening the mounting screws, then remove the motor (A).



SVGBD0299D

3. Installation is the reverse of removal.

### **A**CAUTION

Make sure to initialize the motor.

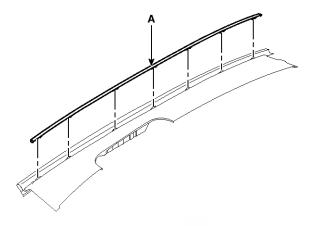
# **Body (Interior and Exterior)**

### Wind deflector Replacement

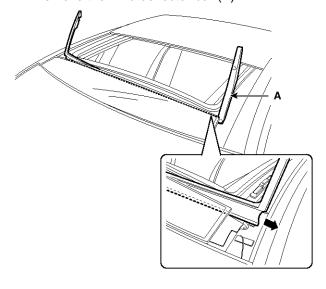
- 1. Open the movable glass fully.
- 2. Using a screwdriver or remover, remove the roof molding (A).

### **MNOTICE**

 Roof molding is need to changed to new product surely.



4. Remove the wind deflector bar (A).

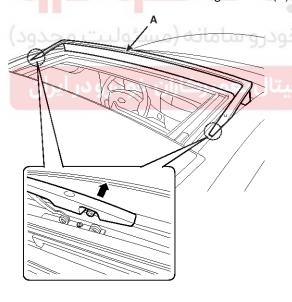


SVGBD0274D

5. Installation is the reverse of removal.

SVGBD0080D

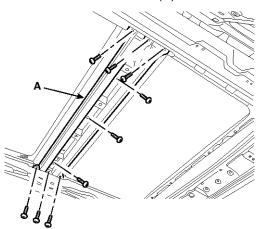
3. Remove the wind deflector mounting bracket (A).



SVGBD0273D

# Roll Blind Replacement [Removal]

1. After loosening the mounting screws, then remove the roll blind lower bracket (A).

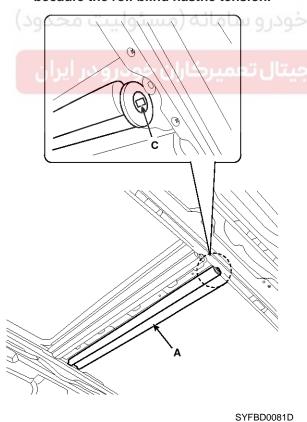


SYFBD0080D

2. Remove the roll blind (A) by pulling it at a right angle.

### **ACAUTION**

When you remove it, Be care theat an edge
 (C) is dashed against the frame df vehicle becaufe the roll blind hasthe tension.

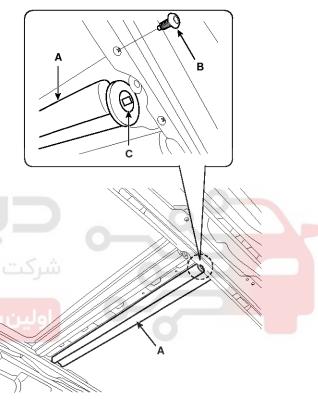


### [Installation]

1. Installation is the roll blind (A).

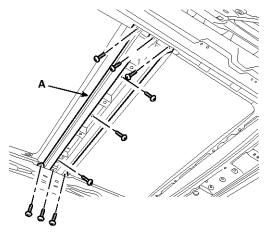
### **ACAUTION**

- When you assewbly the roll blind bracket, Install the roll blind by pulling about 15~20cm (5.9055~7.8740 inch) because the screw (B) is dashed aginst the roll blind.
- When the tension of roll blind is removed,
   Push an edge (C), Turn it counterclockwise
   19~21, Install it by removing the push.



SYFBD0082D

2. Install the screws to the roll blind lower bracket (A).



SYFBD0080D

## **Body (Interior and Exterior)**

# Panoramaroof Assembly Replacement [Removal]

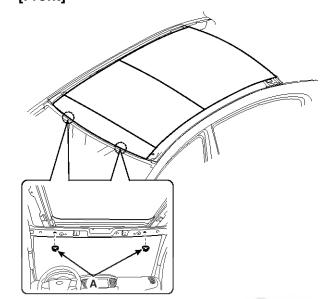
- 1. Remove the following items:
  - Front seat (Refer to the BD group "Front Seat")
  - Rear seat
     (Refer to the BD group "Rear Seat")
  - Interior trim (Refer to the BD group - "Interior Trim")
  - Roof trim
     (Refer to the BD group "Roof Trim")
  - Rear glass
     (Refer to the BD group "Rear Window Glass")
  - Roof antenna (Refer to the BE group - "AVN Head Unit")

2. Loosen the panoramaroof mounting nuts (A).

### Tightening torque:

 $19.6 \sim 29.4 \text{ N.m} (2.0 \sim 3.0 \text{ kgf.m}, 14.5 \sim 21.7 \text{lb-ft})$ 

### [Front]



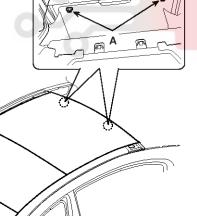


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رسامانه دیجیتال تعمیرکاران خودرو در ایران







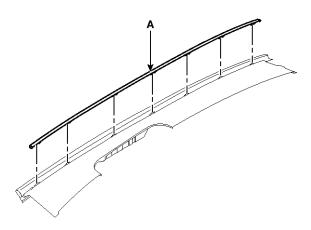
SVGBD0276D

SVGBD0275D

3. Using a screwdriver or remover, remove the roof molding (A).

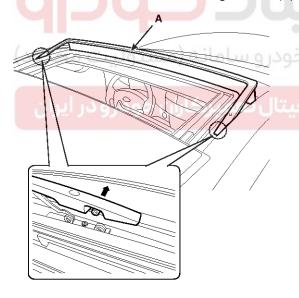
### **MOTICE**

 Roof molding is need to changed to new product surely.



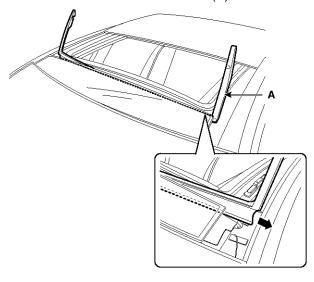
SVGBD0080D

- 4. Open the movable glass fully.
- 5. Remove the wind deflector mounting bracket (A).



SVGBD0277D

6. Remove the wind deflector bar (A).

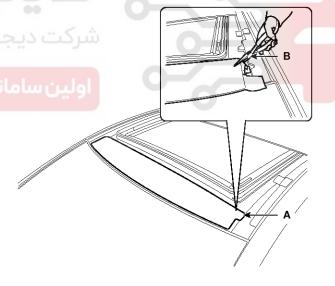


SVGBD0278D

- 7. Attach the tape to front glass (A).
- 8. Using a pliers (B), grab the front glass (A) edge and break.



Watch out glasses parts



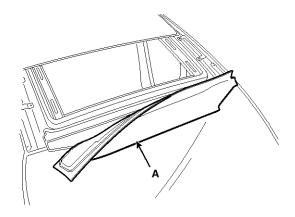
SVGBD0279D

### **MNOTICE**

 Front glass is need to changed to new product surely.

## **Body (Interior and Exterior)**

9. Remove the front glass (A).

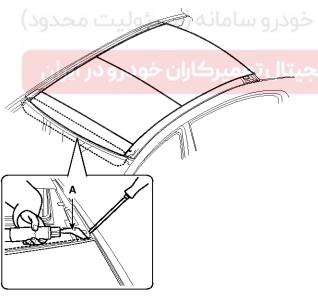


SVGBD0300D

10. Open the space between chassis and sunroof using flathead screwdriver, and then cut the sealant of front using a tool (09816-2P121, 09816-2P122) (A).

#### MOTICE

- This blade has a inclination to push upward.(09816-2P121, 09816-2P122)
- This blade has a inclination to push downward. (09816-2P123, 09816-2P124)



SVGBD0280D

### CAUTION

 Be careful not to damage the panoramaroof when open the space between chassis and sunroof using flathead screwdriver. 11. Open the space between chassis and sunroof using flathead screwdriver, and then cut the sealant of side using a tool (09816-2P121, 09816-2P122) (A).

### MOTICE

- This blade has a inclination to push upward.(09816-2P121, 09816-2P122)
- This blade has a inclination to push downward. (09816-2P123, 09816-2P124)



SVGBD0281D

#### **CAUTION**

 Be careful not to damage the panoramaroof when open the space between chassis and sunroof using flathead screwdriver.

12. Open the space between chassis and sunroof using flathead screwdriver, and then cut the sealant of rear using a tool (09816-2P127) (A).

### **MNOTICE**

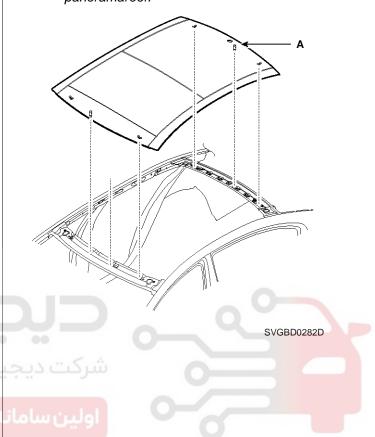
- Be careful of center hole (B) break.
- Be careful of nut hole (C) break.



13. Cut the tape between the panoramaroof and the body. remove the panoramaroof (A).

### MOTICE

• Work over 4 mans together when fixing panoramaroof.



### **CAUTION**

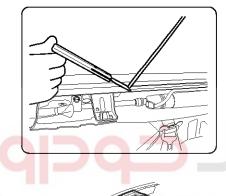
 Be careful not to damage the panoramaroof when open the space between chassis and sunroof using flathead screwdriver.

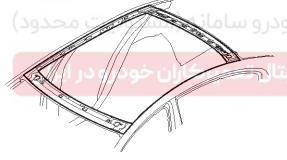
### [Installation]

 With a knife, scrape the old adhesive smooth to a thickness of about 2mm (0.08 in.) on the bonding surface around the entire panoramaroof opening flange

### CAUTION

- Do not scrape down to the painted surface of the body; damaged paint will interfere with proper bonding.
- Remove the rubber dam and fasteners from the body.
- Mask off surrounding surfaces before painting.

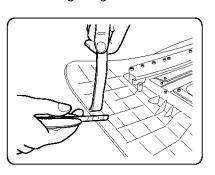


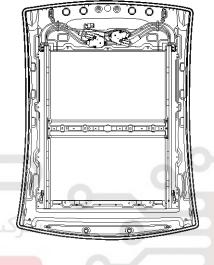


SVGBD1001L

# **Body (Interior and Exterior)**

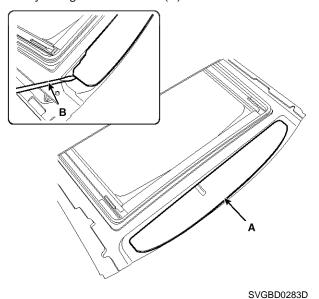
2. Clean the body bonding surface with a sponge dampened in alcohol. After cleaning, keep oil, grease and water from getting on the clean surface.





SVGBD1002L

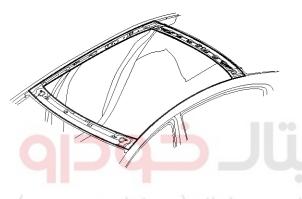
3. Remove left glasses parts of panoramaroof panel (A) by using a cutter knife (B).



4. With a sponge, apply a light coat of body primer to the original adhesive remaining around the windshield opening flange. Let the body primer dry for at least 10 minutes:

### **ACAUTION**

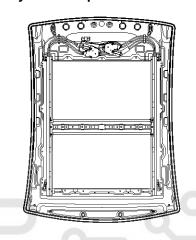
- Do not apply glass primer to the body, and be careful not to mixup glass and body primer sponges.
- Never touch the primed surfaces with your hands.
- Mask off surrounding surfaces before painting.



5. Apply a light coat of glass primer to the outside of the fasteners.

### **ACAUTION**

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



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SVGBD0284D

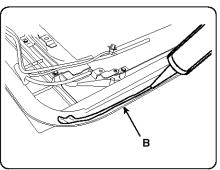
ولین سامان<mark>ه دیجیتال تعمیرکاران خودرو در ایران</mark>

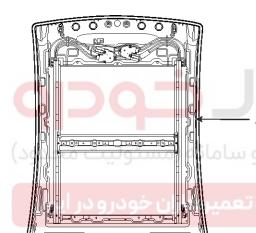
SVGBD0285D

### **BD-56**

# **Body (Interior and Exterior)**

6. Pack adhesive into the cartridge without air pockets to ensure continuous delivery. Put the cartridge in a caulking gun, and run a bead of sealant (B) around the edge of the panoramaroof (A) as shown. Apply the adhesive within 30 minutes after applying the glass primer. Make a slightly thicker bead at each corner.



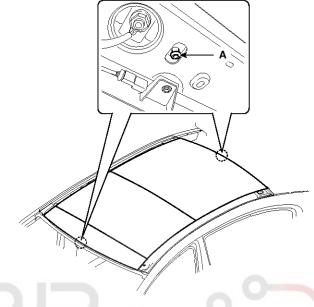


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7. Fix the panoramaroof to center hall (A) of body, install carefully the panoramaroof to the body frame.

#### MOTICE

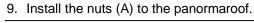
Work over 4 mans together when fixing panoramaroof.



SVGBD0087D

8. Check the Clearance and gap for each side after installing the panoramaroof.

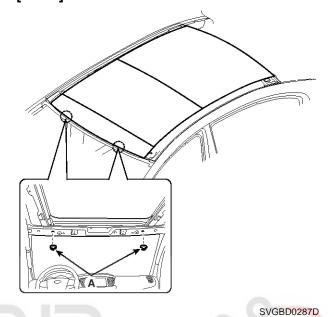
Section		Clearance	Gap
Front ed- ge	A-A	2±1 mm	7.5±1 mm
		(0.0787±0.039 4 in)	(0.2953±0.039 4 in)
Rear edg-	B-B	1.2±1 mm	5±1 mm
		(0.0472±0.039 4 in)	(0.1969±0.039 4 in)
Side edge	C-C	0±1 mm	4.1±1 mm
		(0±0.0394 in)	(0.1614±0.039 4 in)



### Tightening torque:

 $19.6 \sim 29.4 \text{ N.m} (2.0 \sim 3.0 \text{ kgf.m}, 14.5 \sim 21.7 \text{lb-ft})$ 

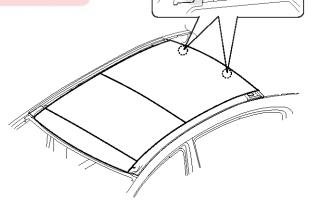
### [Front]



[Rear]



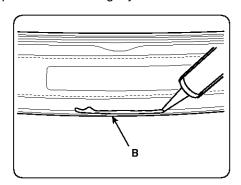
SVGBD0286D



SVGBD0288D

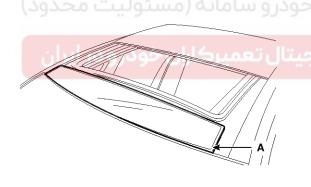
## **Body (Interior and Exterior)**

- 10. Open the movable glass fully.
- 11. Pack adhesive into the cartridge without air pockets to ensure continuous delivery. Put the cartridge in a caulking gun, and run a bead of sealant (B) around the edge of the front glass (A) as shown. Apply the adhesive within 30 minutes after applying the glass primer. Make a slightly thicker bead at each corner

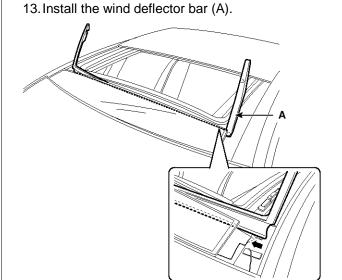




12. Install the front glass (A).

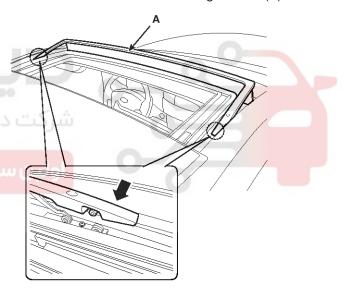


SVGBD0290D



SVGBD0291D

14. Install the wind deflector mounting bracket (A).

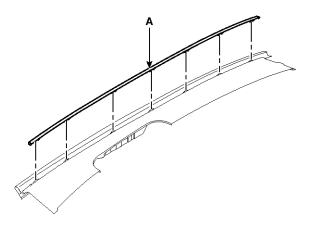


SVGBD0292D

15. Install the roof molding (A).

#### MOTICE

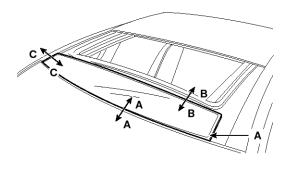
 Roof molding is need to changed to new product surely.



SVGBD0080D

- 16. Close the movable glass fully.
- 17. Check the Clearance and gap for each side after installing the front glass (A).

Section		Clearance	Gap
Front ed- ge	A-A	2±1 mm	7.5±1 mm
		(0.0787±0.039 4 in)	(0.2953±0.039 4 in)
Rear edg-	B-B	0±1 mm	4.5±1 mm
e e		(0±0.0394 in)	(0.1772±0.039 4 in)
Side edge	C-C	0±1 mm	0 mm
		(0±0.0394 in)	(0 in)



SVGBD0293D

- 18. Scrape or wipe the excess adhesive off with a putty knife or towel. To remove adhesive from a painted surface or the windshield, wipe with a soft shop towel dampened with alcohol.
- 19. Let the adhesive dry for at least one hour, then spray water over the roof and check for leaks. If a leak occurs, let it dry, then seal with sealant:
  - Let the vehicle stand for at least four hours after windshield installation. If the vehicle must be driven within 4 hours, it must be driven slowly.
  - Keep the windshield dry for the first hour after installation.
- 20. Reinstall all remaining removed parts. Install the rearview mirror after the adhesive has dried thoroughly. Advise the customer not to do the following things for two the three days:
  - Slam the door with all the windows rolled up.
  - Twist the body excessively (such as when going in and out of driveways at an angle or driving over rough, uneven roads).
- 21. Installation the following items
  - Roof antenna
     (Refer to the BE group "AVN Head Unit")
  - Rear glass
     (Refer to the BD group "Rear Window Glass")
  - Roof trim
     (Refer to the BD group "Roof Trim")
  - Interior trim (Refer to the BD group - "Interior Trim")
  - Rear seat
     (Refer to the BD group "Rear Seat")
  - Front seat
     (Refer to the BD group "Front Seat")

## **Body (Interior and Exterior)**

### Adjustment

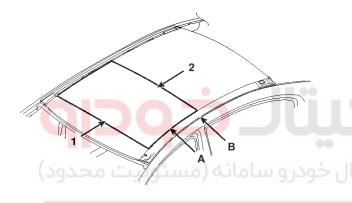
### **Inspect Glass Alignment**

- Check for abnormal noise or bending during operation.
- 2. With the sunroof fully closed, check for water leakage.
- The roof panel (A) should be even with the movable glass (B) weatherstrip, to within the standard value "E" all the way around. If not, make the following adjustment.

### Tightening torque:

Standard value "E" [mm(in.)]
(1) Front edge: 1.2 mm (0.0472 in.)

(2) Rear edge: 1.0 mm (0.0394 in.)

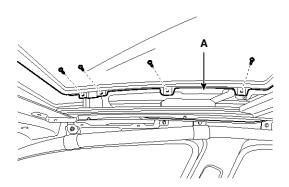


### ولین سامانه دیجیتال تعمیرکاران خودر و در ایران «VCRD000AD

4. If the position is not as specified, lightly loosen the glass adjusting screws (A) to adjust the glass height and tighten it.

### **⚠**CAUTION

Do not damage the screws.



SVGBD0295D

### **How To Initialize Motor**

Whenever the battery is disconnected, discharged or the related fuse is replaced or reinstalled, the panoramaroof system must be reset according to the procedure below.

- 1. Turn the ignition key to the ON position and then close the panoramaroof completely.
- 2. Turn the ignition key to the ON position and then close the panoramaroof completely.
- 3. Press and hold the CLOSE button for more than 10 seconds until the sunroof has moved slightly.
- 4. Release the panoramaroof control lever.
- 5. Press and hold the CLOSE button once again until the sunroof do as follows.
  - Tilt → Slide Open → Slide Close
     Then, release the lever.
- 6. Reset procedure of panorama system is finished.

#### When To Initialize The Motor

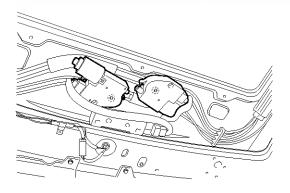
- 1. At the time of manufacture.
- 2. If the Initial setting is erased due to loss of power.
- 3. After using the manual handle.

# Operating The Panoramaroof Emergency Handle

- 1. Use the panoramaroof emergency handle to close and open the panoramaroof manually for the following case only.
  - To close the panoramaroof before driving a vehicle in arainy day or on the highway if the panoramaroof can not be closed due to failure of the panoramaroof motor or controller.
- 2. Operating method.
  - · Remove the roof trim.
  - Push the emergency handle up into the hexagonal drive of the panoramaroof motor. You must push hard enough to disengage the motor clutch; otherwise the emergency handle will slip due to incomplete fit in the motor.
  - Carefully turn the emergency handle clockwise to close the panoramaroof.
  - After closing the sunroof, wiggle the handle back and forth as you remove the tool from the motor, to ensure the motor clutch reengages.
  - A 5mm hex socket may be used in place of the emergency handle, with a" Speeder" type handle.

### CAUTION

- Do not use power tools to operate the panoramaroof.
- Damaged to the components may occur.



SVGBD0296D



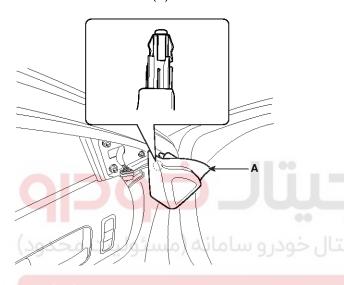
# **Body (Interior and Exterior)**

### **Mirror**

# Replacement Outside Rear View Mirror Replacement

### MOTICE

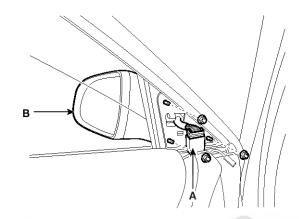
- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.
- Put on gloves to protect your hands.
- 1. Using a screwdriver or remover, remove the front door frame inner cover (A).



- 2. Disconnect the outside rear view mirror connector (A).
- 3. After loosening the mounting nuts, then remove the outside rear view mirror (B).

### Tightening torque:

6.9~10.8 N.m(0.7~1.1 kgf.m, 5.1~8.0 lb-ft)



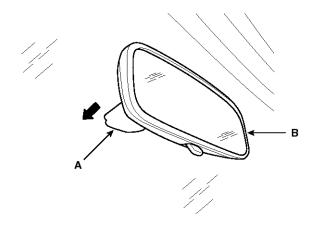
SVGBD0089D

4. Installation is the reverse of removal.

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# **Inside Rear View Mirror Assembly Replacement Mirror Replacement**

1. Push the inside rear view mirror base (A) down to remove the inside rear view mirror assembly (B).

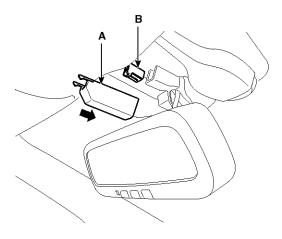


SYFBD0109D

2. Installation is the reverse of removal.

### **ECM Mirror Replacement**

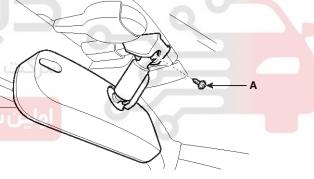
- 1. Remove the ECM mirror cover (A).
- 2. Disconnect the ECM mirror connector (B).



SVGBD0090D

3. Loosen the ECM mirror mounting screw (A).

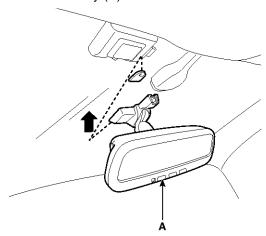




SVGBD0091D

# **Body (Interior and Exterior)**

4. Push the ECM mirror base up to remove the ECM mirror assembly (A).



SVGBD0092D

5. Installation is the reverse of removal.

### MOTICE

• Make sure the connector is connected properly.





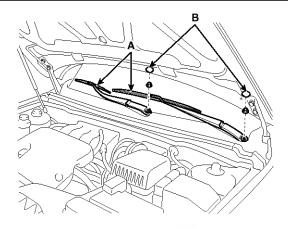
### **Cowl Top Cover**

### Replacement

1. Remove the cover (B) and remove the nuts, then remove the wiper arm (A).

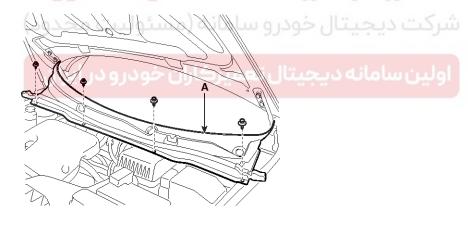
### **Tightening torque:**

22.6~26.5 N.m(2.3~2.7 kgf.m, 16.6~19.5 lb-ft)



SVGBD0093D

2. Detach the clips, then remove the cowl top cover (A).





3. Installation is the reverse of removal.

### MOTICE

• Replace any damage clips.

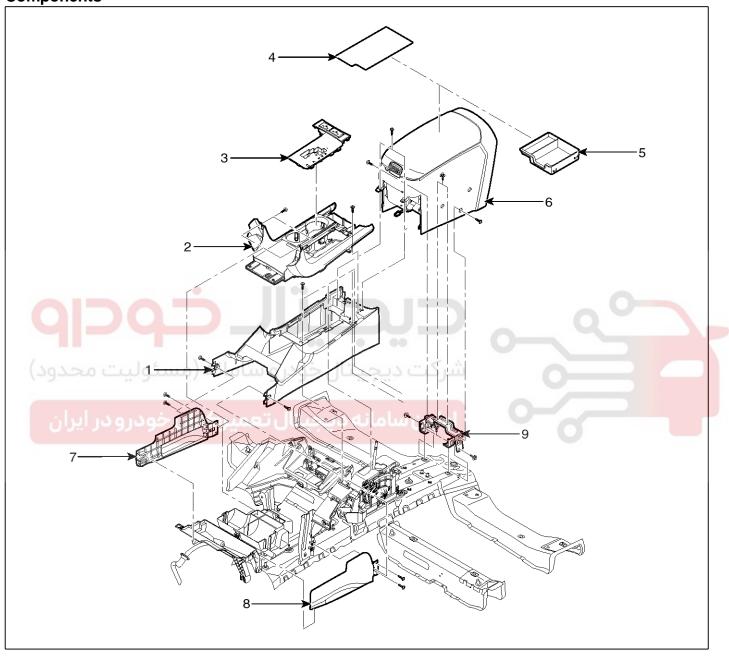


# **Body (Interior and Exterior)**

### **Interior**

### Console

**Components** 



SVGBD0095D

- 1. Floor console assembly
- 2. Console upper complete assembly
- 3. Floor console upper cover
- 4. Console storage box mat
- 5. Floor console tray

- 6. Rear console assembly
- 7. Console side cover (RH)
- 8. Console side cover (LH)
- 9. Console rear bracket

Interior BD-67

# Replacement Floor Console Replacement

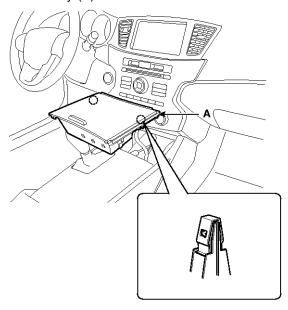
#### **MNOTICE**

- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.
- Put on gloves to protect your hands.
- 1. Using a screwdriver or remover, remove the floor console upper cover (A).
- 2. Disconnect the connectors (C).
- 3. Remove the knob (B) and floor console upper cover (A).



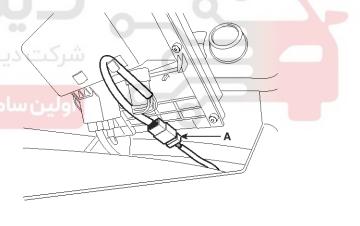
SVGBD0097D

4. Using a screwdriver or remover, remove the upper cover tray (A).



SVGBD0100D

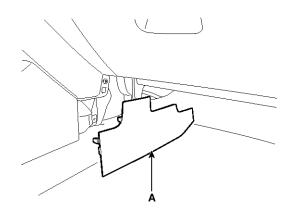
5. Disconnect the connector (A).



SVGBD0101D

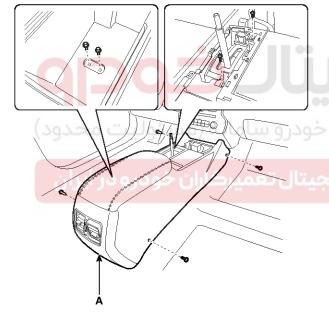
# **Body (Interior and Exterior)**

6. Remove the console side cover (A).



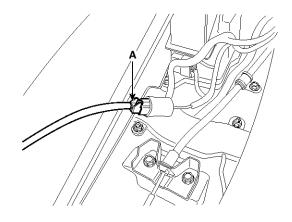
SVGBD0099D

7. After loosening the mounting screws and bolts, then remove the floor console assembly (A).



SVGBD0102D

8. Disconnect the floor console main connector (A).



SVGBD0103D

9. Installation is the reverse of removal.

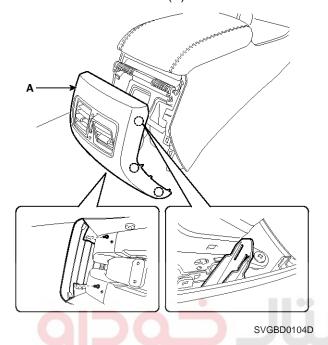
### **MNOTICE**

- Make sure the connectorare connected in properly.
- Replace any damage clips.

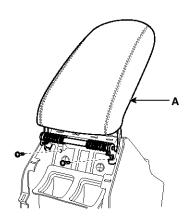
Interior BD-69

### **Armrest Replacement**

- 1. Remove the floor console assembly.
- 2. After loosening the mounting screws, then remove the rear console cover (A).



3. After loosening the mounting screws, then remove the armrest (A).



SVGBD0105D

4. Installation is the reverse of removal.

### MOTICE

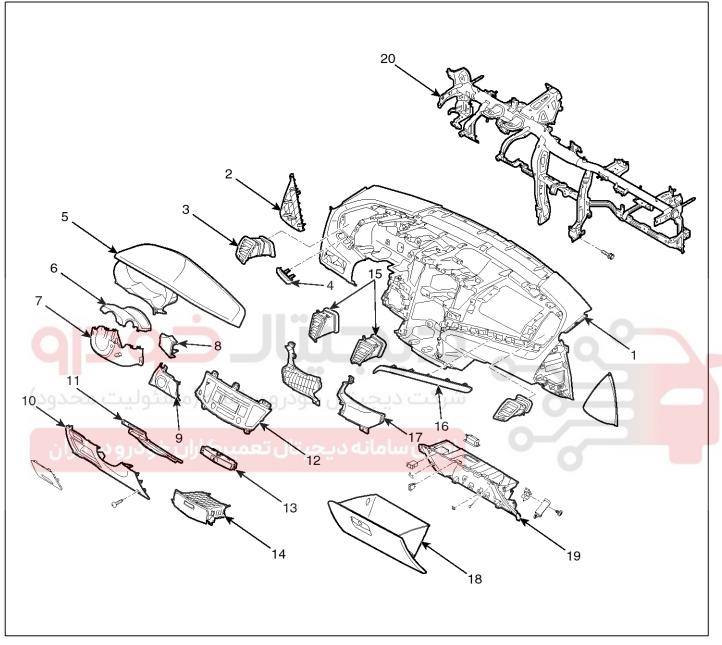
· Replace any damage clips.



# **Body (Interior and Exterior)**

### **Crash Pad**

### **Components**



SVGBD0106D

- 1. Main crash pad assembly
- 2. Crash pad side cover
- 3. Side airvent duct
- 4. Crash pad garnish (LH)
- 5. Cluster fascia panel
- 6. Shroud upper panel
- 7. Shroud lower panel

- 8. Crash pad center garnish
- 9. Ignition key grommet
- 10. Crash pad lower panel
- 11. Reinforcing panel
- 12. Center facia upper panel
- 13. Digital clock
- 14. Center facia lower tray

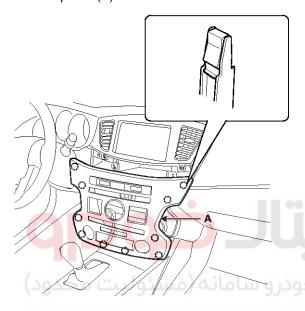
- 15. Center airvent duct
- 16. Crash pad garnish (RH)
- 17. Center crash pad side cover
- 18. Glove box
- 19. Glove box housing
- 20. Cowl cross bar assembly

**BD-71 Interior** 

### Replacement **Cluster Replacement**

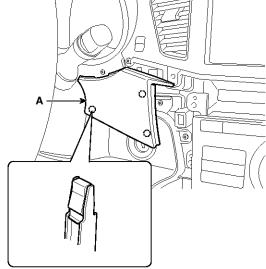
### **MOTICE**

- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.
- Put on gloves to protect your hands.
- 1. Using a screwdriver or remover, remove the center fascia panel (A).

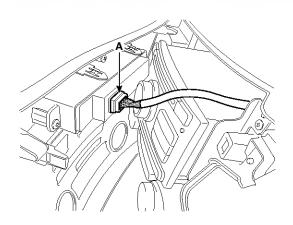


4. After loosening the mounting screws, then remove the cluster fascia panel (A).

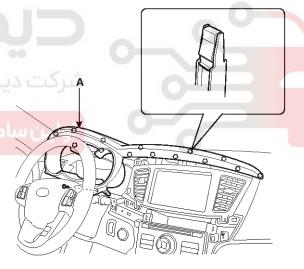
3. Remove the crash pad center garnish (A).



SVGBD0112D 2. Disconnect the connector (A).



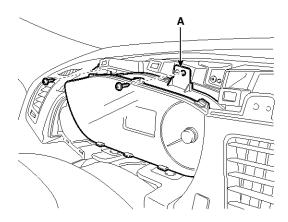
SVGBD0259D



SVGBD0111D

SVGBD0110D

# 5. After loosening the mounting screws, then remove the cluster assembly (A).



SVGBD0108D

6. Disconnect the connector (A).



SVGBD0109D

7. Installation is the reverse the removal.

### **MOTICE**

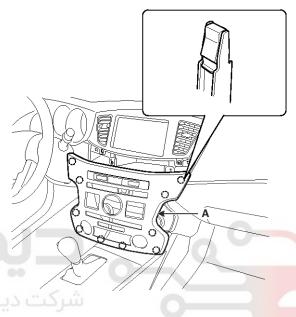
- Make sure the connector is connected properly.
- Replace any damage clips.

# **Body (Interior and Exterior)**

### **Center Facia Panel Replacement**

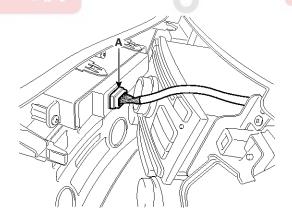
#### MOTICE

- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.
- Put on gloves to protect your hands.
- 1. Using a screwdriver or remover, remove the center facia panel (A).



SVGBD0112D

2. Disconnect the connector (A).



SVGBD0259D

3. Installation is the reverse the removal.

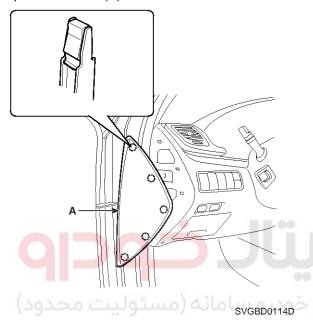
- Make sure the connector is connected properly.
- Replace any damage clips.

Interior BD-73

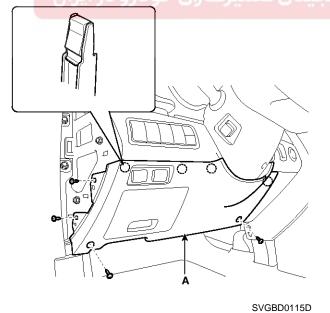
### **Crash Pad Lower Panel Replacement**

### **MNOTICE**

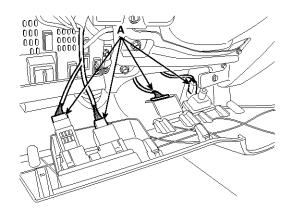
- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.
- Put on gloves to protect your hands.
- 1. Using a screwdriver or remover, remove the crash pad side cover (A).



2. After loosening the crash pad lower panel mounting screws, then remove the crash pad lower panel (A).

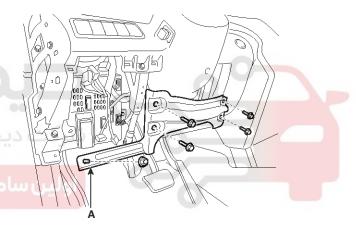


3. Disconnect the connectors (A).



SVGBD0116D

4. After loosening the mounting bolts and nut, then remove the reinforcing panel (A).



SVGBD0117D

5. Installation is the reverse of removal.

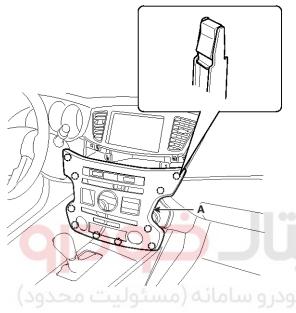
### **MNOTICE**

- Make sure the connector is connected properly.
- · Replace any damage clips.

### **Audio Assembly Replacement**

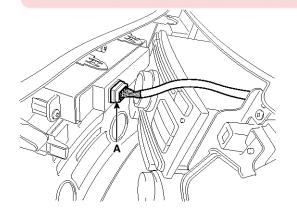
### **MOTICE**

- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.
- · Put on gloves to protect your hands.
- 1. Using a screwdriver or remover, remove the center fascia panel (A).



SVGBD0112D

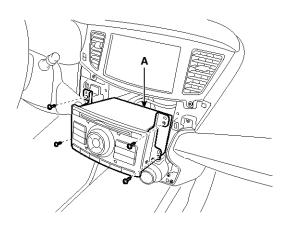
2. Disconnect the connector (A).



SVGBD0119D

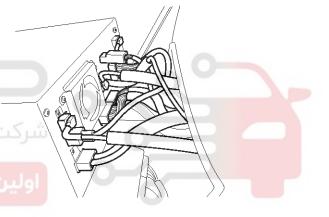
# **Body (Interior and Exterior)**

3. After loosening the audio assembly mounting screws, then remove the audio assembly (A).



SVGBD0120D

4. Disconnect the connectors.



SVGBD0121D

5. Installation is the reverse of removal.

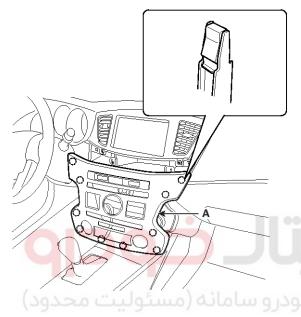
### MOTICE

- Make sure the connector is plugged in properly.
- · Replace any damage clips.

### **Heater Control Unit Replacement**

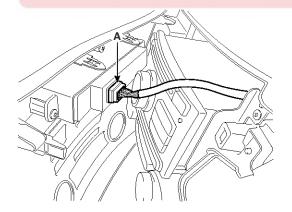
### **MOTICE**

- When prying with a flat-tipped screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damaged.
- Put on gloves to protect your hands.
- 1. Using a screwdriver or remover, remove the center facia panel (A).



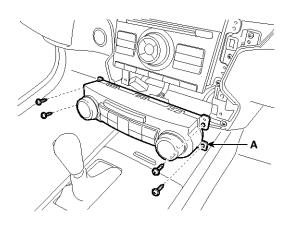
SVGBD0112D

2. Disconnect the connector (A).



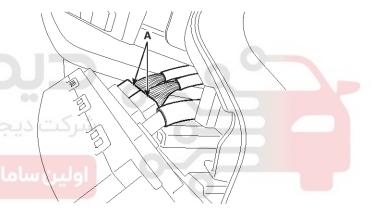
SVGBD0259D

3. After loosening the mounting screws, then remove the heater control unit (A).



SVGBD0124D

4. Disconnect the connectors (A).



SVGBD0125D

5. Installation is the reverse of removal.

### MOTICE

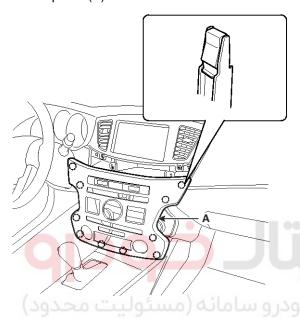
- Replace any damage clips.
- Make sure the connector is plugged in properly.

# **Body (Interior and Exterior)**

### **Monitor Assembly Replacement**

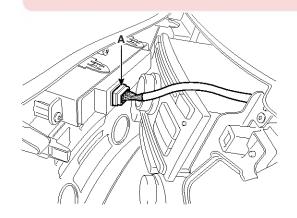
### **MNOTICE**

- When prying with a flat-tipped screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damaged.
- Put on gloves to protect your hands.
- 1. Using a screwdriver or remover, remove the center facia panel (A).



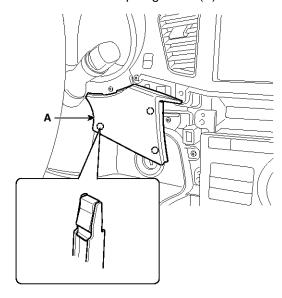
SVGBD0112D

2. Disconnect the connector (A).



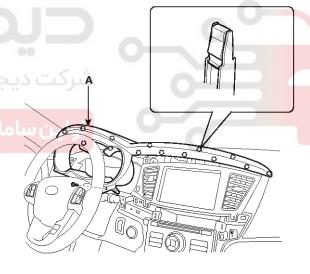
SVGBD0259D

3. Remove the crash pad garnish (A).



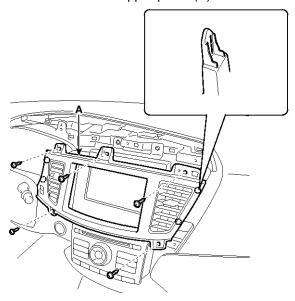
SVGBD0110D

4. After loosening the mounting screws, then remove the cluster fascia panel (A).



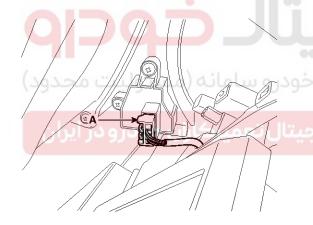
SVGBD0111D

5. After loosening the mounting screws, then remove the center fascia upper panel (A).



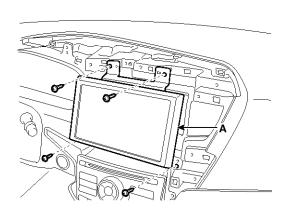
SVGBD0130D

6. Disconnect the trip switch connector (A).



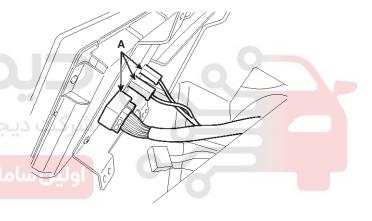
SVGBD0131D

7. After loosening the mounting screws, then remove the monitor assembly (A).



SVGBD0132D

8. Disconnect the connectors (A).



SVGBD0133D

9. Installation is the reverse of removal.

### MOTICE

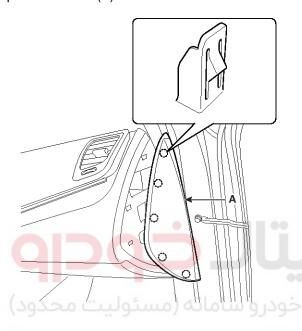
- Replace any damage clips.
- Make sure the connector is plugged in properly.

# **Body (Interior and Exterior)**

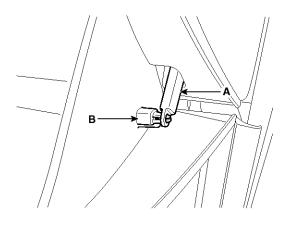
### **Glove Box Replacement**

### **MNOTICE**

- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.
- Put on gloves to protect your hands.
- 1. Using a screwdriver or remover, remove the crash pad side cover (A).

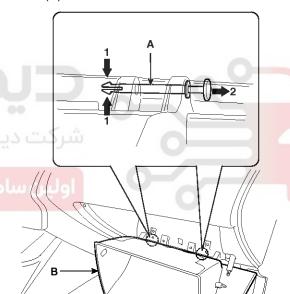


3. Disconnect the life (A) from the glove box (B).



SVGBD0136D

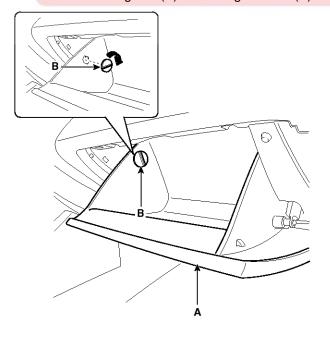
4. Disconnect the pin (A) and then remove the glove box (B).



SVGBD0137D

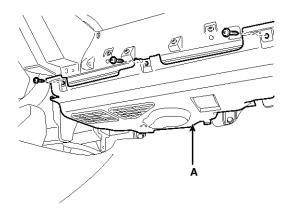
### SVGBD0134D

2. Disconnect the guide (B) from the glove box (A).



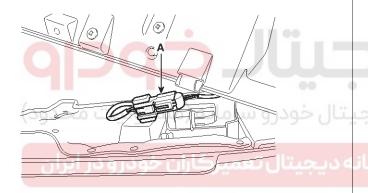
SVGBD0135D

5. After loosening the mounting screws, then remove the passenger under cover (A).



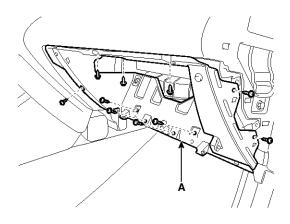
SVGBD0138D

6. Disconnect the connector (A).



SVGBD0139D

7. After loosening the mounting screws, then remove the glove box housing (A).



SVGBD0140D

8. Installation is the reverse of removal.

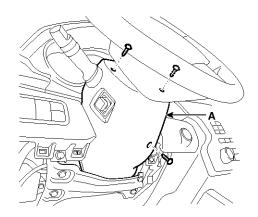
### MOTICE

- Make sure the connector is plugged in properly.
- · Replace any damage clips.

# -80 Body (Interior and Exterior)

### **Shroud Replacement**

1. After loosening the mounting screws, then remove the shroud (A).



SVGBD0141D

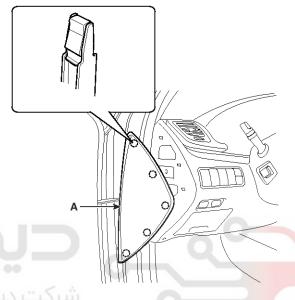
2. Installation si the reverse of removal.

### **Crash Pad Side Cover Replacement**

#### MOTICE

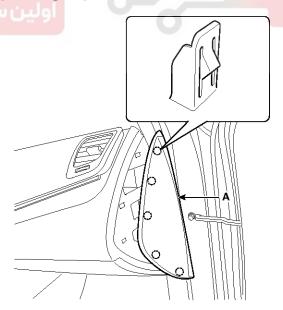
- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.
- Put on gloves to protect your hands.
- 1. Remove the crash pad side cover (A).

### [Driver's]



SVGBD0114D

[Passenger's]



SVGBD0134D

2. Installation is the reverse of removal.

# اليال خودرو سامانه (مسئوليت محدود)

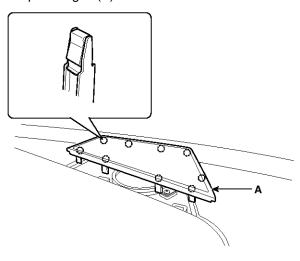
### **Crash Pad Replacement**

### **MNOTICE**

- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.
- Put on gloves to protect your hands.
- 1. Remove the following items:
  - Front seat
     (Refer to the BD group "Front Seat")
  - Front pillar trim (Refer to the BD group - "Interior Trim")
  - Floor console (Refer to the BD group - "Console")
  - Center facia panel
  - Cluster assembly
  - Audio assembly
  - Heater control unit
  - Monitor assembly
  - Glove box & Glove box housing
  - · Crash pad side cover
  - Steering column
     (Refer to the ST group "Steering Column and Shaft")

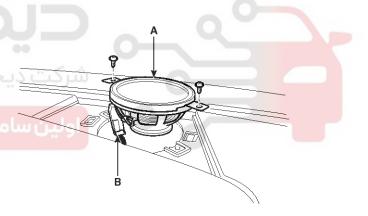
دیجیتال تعمیرکاران خودرو در ایران

2. Using a screwdriver or remover, remove the center speaker grill (A).



SVGBD0144D

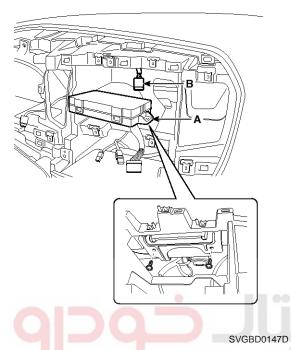
- 3. After loosening the mounting screws, then remove the center speaker (A).
- 4. Disconnect the connector (B).



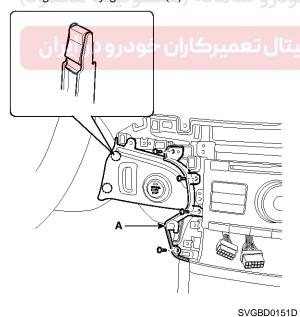
SVGBD0118D

# **Body (Interior and Exterior)**

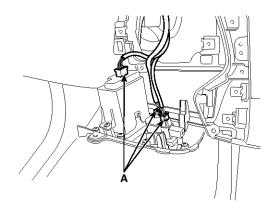
- 5. After loosening the mounting screws, then remove the cubis (A).
- 6. Disconnect the connector (B).



7. After loosening the mounting screws, then remove the ignition key grommet (A).

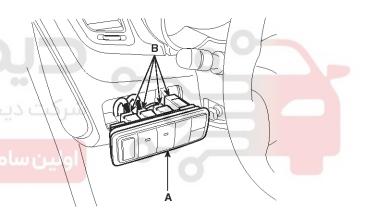


8. Disconnect the connectors (A).



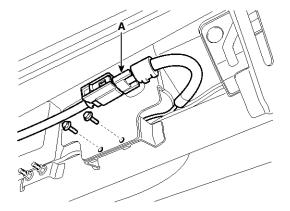
SVGBD0145D

- 9. Using a screwdriver or remover, remove the crash pad switch assembly (A).
- 10. Disconnect the connectors (B).



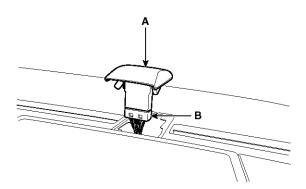
SVGBD0149D

- ${\bf 11.\, Disconnect\,\, the\,\, passenger's\,\, airbag\,\, connector\,\, (A).}$
- 12. Loosen the mounting bolts.



SVGBD0148D

- 13. Using a screwdriver or remover, remove the photo sensor (A).
- 14. Disconnect the photo sensor connector (B).



SVGBD0150D





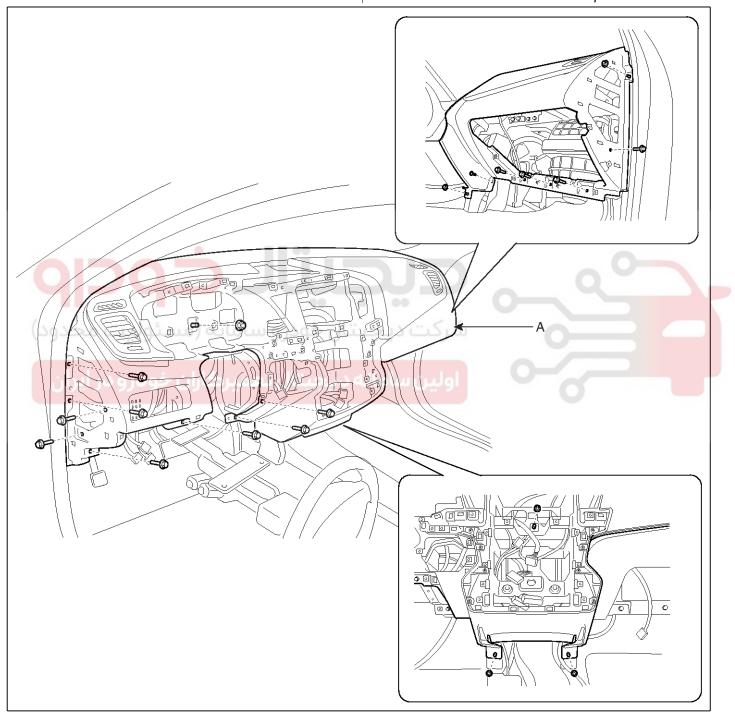
# **Body (Interior and Exterior)**

- 15. After loosening the mounting bolts and nuts, then remove the crash pad (A).
- 16. Installation is the reverse of removal.

### **MNOTICE**

 Make sure the crash pad fits onto the guide pins correctly.

- Before tightening the bolts, make sure the crash pad wire harnesses are not pinched.
- Make sure the connectors are plugged in properly, and the antenna lead is connected properly.
- Enter the anti- theft code for the radio, then enter the customer's radio station presets.



SVGBD0152D

### **Cowl Cross Bar Assembly Replacement**

- 1. Remove the following items:
  - Front seat
     (Refer to the BD group "Front Seat")
  - Floor console (Refer to the BD group - "Console")
  - Cowl top cover (Refer to the BD group - "Cowl Top Cover")
  - · Main crash pad assembly.
- Disconnect the blower unit connectors.
   (Refer to the HA group "Air conditioning system, Heater, Blower")
- 3. Disconnect the wiring connectors.

### [Driver's]



4. Disconnect the connectors.

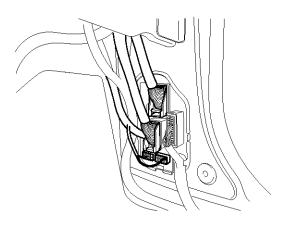


5. After loosening the mounting bolt, then remove the airduct (A).

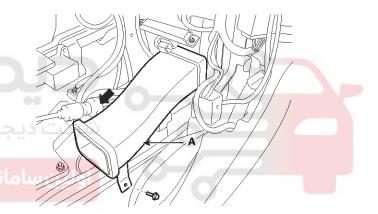


SVGBD0153D





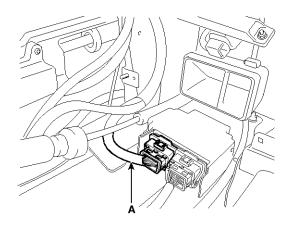
SVGBD0154D



SVGBD0155D

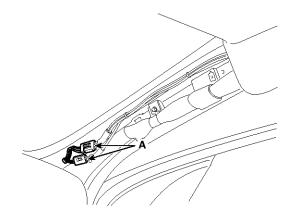
# **Body (Interior and Exterior)**

6. Disconnect the airbag connectors (A) mounting clips.



SVGBD0156D

7. Disconnect the connectors (A) mounting clips.



SVGBD0158D

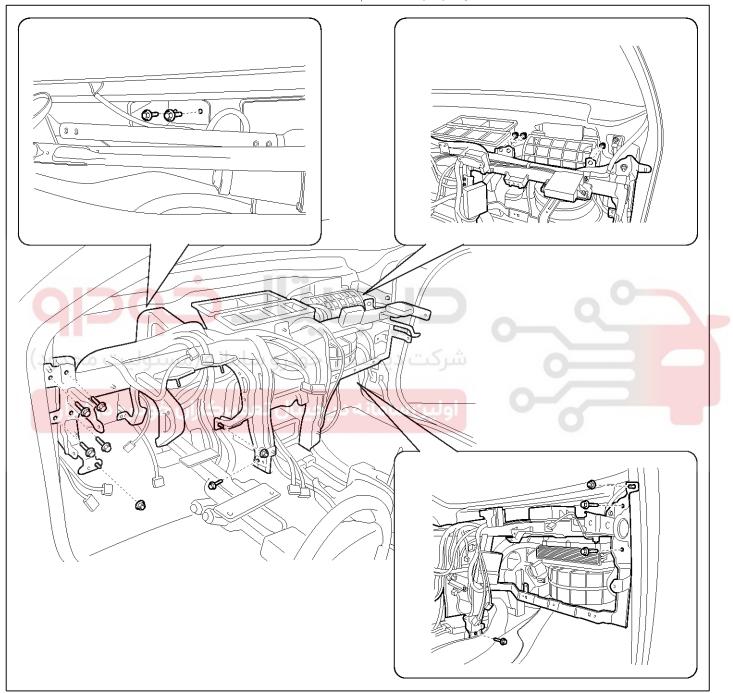




- 8. After loosening the mounting bolts and nuts, then remove the cowl cross bar (A).
- 9. Installation is the reverse of removal.

### MOTICE

- Put on gloves to protect your hands.
- Make sure the connectors are plugged in properly.

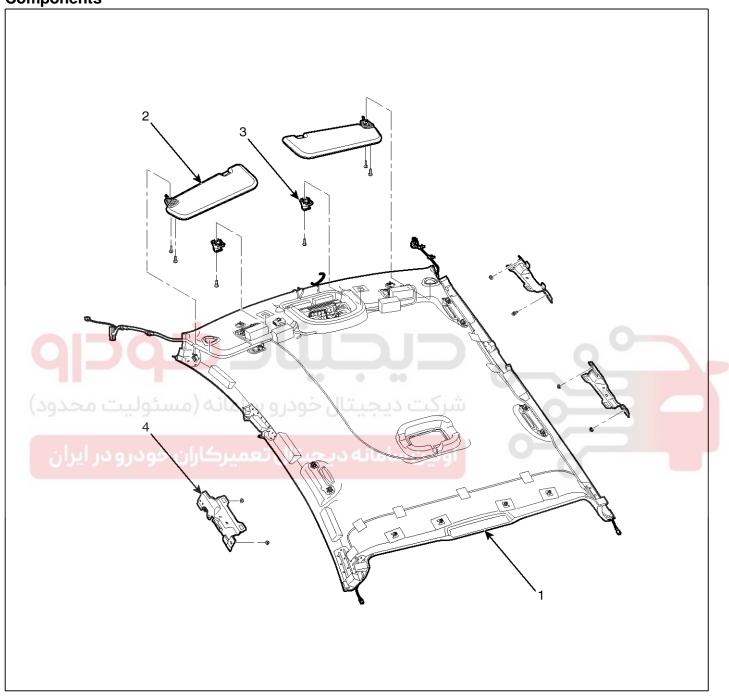


SVGBD0159D

# **Body (Interior and Exterior)**

### **Roof Trim**

### **Components**

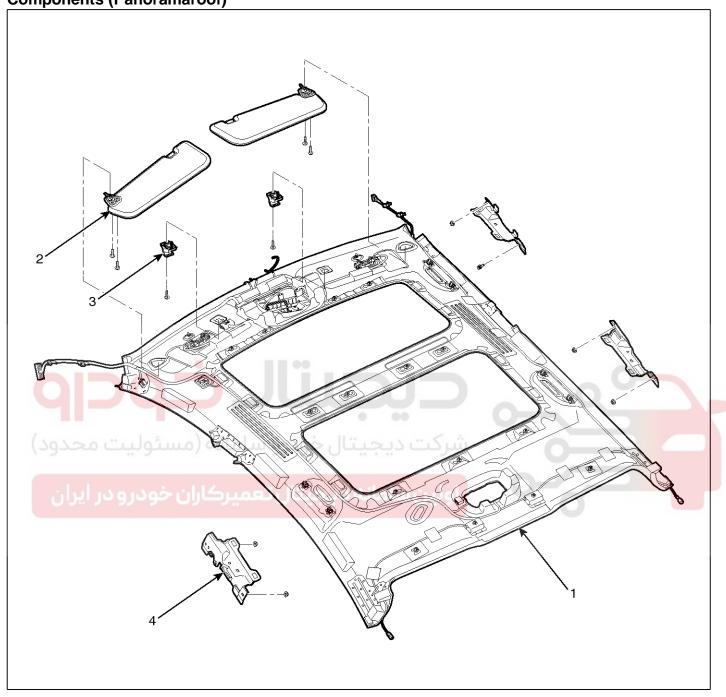


SVGBD0160D

- 1. Roof trim
- 2. Sunvisor

- 3.Retainer
- 4. Assist handle bracket

Components (Panoramaroof)



SVGBD0250D

- 1. Roof trim
- 2. Sunvisor

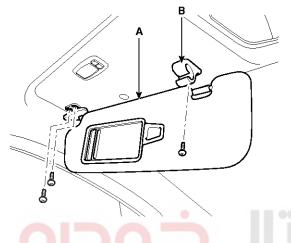
- 3.Retainer
- 4. Assist handle bracket

# **Body (Interior and Exterior)**

### Replacement Sunvisor Replacement

### **WNOTICE**

- When prying with a flat-tip screwdriver, wrap it with protective tape to prevent damage.
- Put on gloves to protect your hands.
- 1. Loosen the mounting screws, then remove the sunvisor (A) and retainer (B).



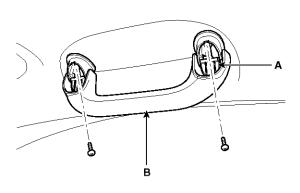
SYFBD0162D

2. Installation is the reverse of removal.

### **Assist Handle Replacement**

#### MOTICE

- When prying with a flat-tip screwdriver, wrap it with protective tape to prevent damage.
- Put on gloves to protect your hands.
- 1. Remove the covers (A) and screws, then remove the assist handle (B).



SYFBD0163D

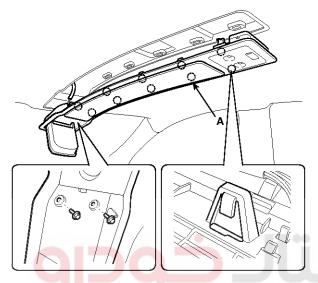
2. Installation is the reverse of removal.

ولین سامان<mark>ه دیجیتال تعمیرکاران خودرو در ایران</mark>

### **Deluxe Overhead Lamp Replacement**

### **MNOTICE**

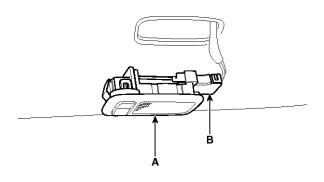
- When prying with a flat-tip screwdriver, wrap it with protective tape to prevent damage.
- Put on gloves to protect your hands.
- 1. After loosening the mounting bolts, remove the deluxe overhead lamp(A).



SVGBD0161D

### **Vanity Lamp Replacement**

- 1. Using a screwdriver or remover, remove the vanity lamp (A).
- 2. Disconnect the vanity lamp connector (B).

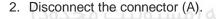


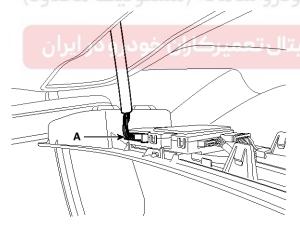
SVGBD0163D

3. Installation is the reverse of removal.

### MOTICE

Make sure the connector is plugged in properly.





SVGBD0162D

3. Installation is the reverse of removal.

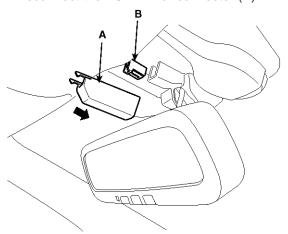
### **MOTICE**

- Make sure the connector is plugged in properly.
- · Replace any damage clips.

### **Roof Trim Replacement**

#### **MOTICE**

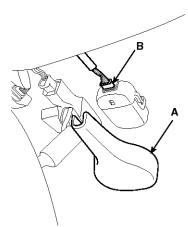
- Put on gloves to protect your hands.
- When prying with a flat-tip screwdriver, wrap it with protective tape to prevent damage.
- Take care not to bend or scratch the trim and panels.
- 1. Remove the following items:
  - Front seat
     (Refer to the BD group "Front Seat")
  - Rear seat
     (Refer to the BD group "Rear Seat")
  - Sunvisor
  - Deluxe overhead lamp
  - Room lamp
  - · Assist handle
  - Front pillar trim
     (Refer to the BD group "Interior Trim")
  - Front door scuff trim & Rear door scuff trim (Refer to the BD group - "Interior Trim")
  - Canter pillar lower trim
     (Refer to the BD group "Interior Trim")
  - Canter pillar upper trim (Refer to the BD group - "Interior Trim")
  - Rear pillar trim
     (Refer to the BD group "Interior Trim")
- 2. Remove the ECM mirror cover (A).
- 3. Disconnect the ECM mirror connector (B).



SVGBD0166D

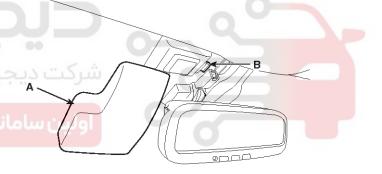
# **Body (Interior and Exterior)**

- 4. Remove the rain sensor cover (A).
- 5. Disconnect the rain sensor connector (B).



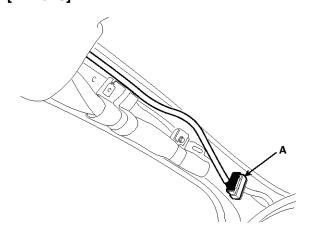
SVGBD0167D

- 6. Remove the LDWS cover (A).
- 7. Disconnect the LDWS connector (B).



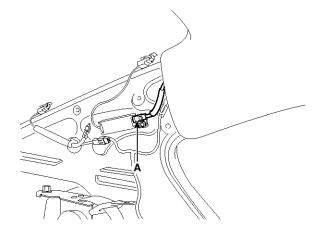
SVGBD0168D

8. Disconnect the roof trim main connectors (A). **[Driver's]** 



SVGBD0164D

9. Disconnect the antenna connector (A). **[LH]** 



SVGBD0171D

[Passenger's]

[RH]

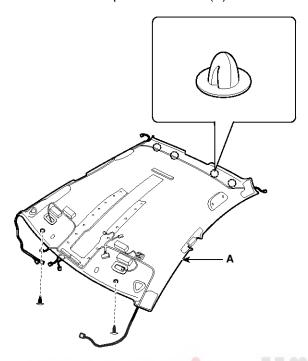


SVGBD0270D

SVGBD0172D

# **Body (Interior and Exterior)**

10. Remove the clips and roof trim (A).



SVGBD0169D

11. Installation is the reverse of removal.

### MOTICE

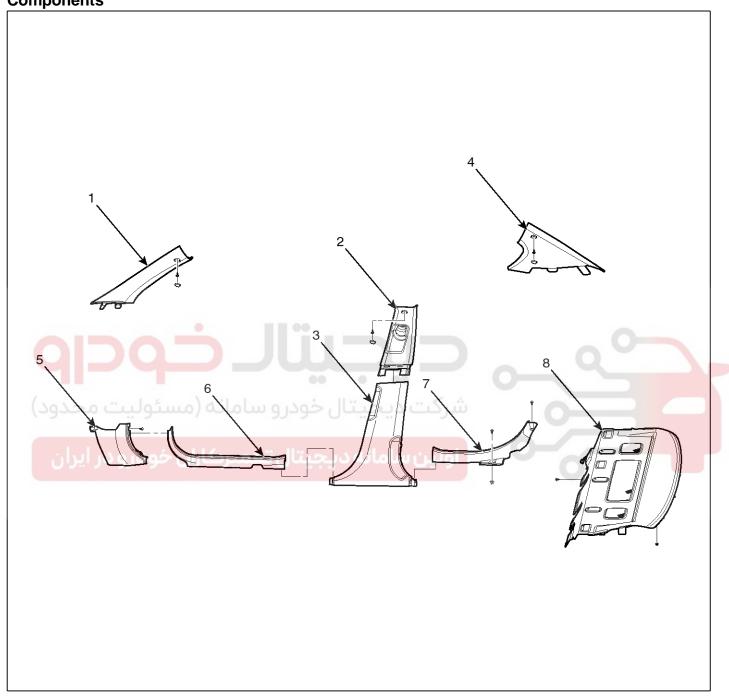
- Replace any damage clips.
- Make sure the connector is plugged in properly.

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### **Interior Trim**

### Components



SVGBD0173D

- 1. Front pillar trim
- 2. Center pillar upper trim
- 3. Center pillar lower trim
- 4. Rear pillar trim

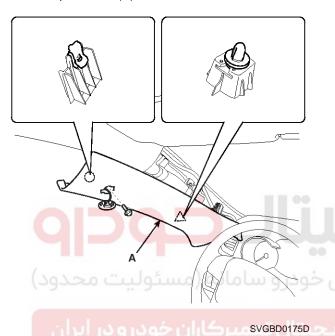
- 5. Cowl side trim
- 6. Front door scuff trim
- 7. Rear door scuff trim
- 8. Rear package tray trim

# **Body (Interior and Exterior)**

# Replacement Front Pillar Trim Replacement

#### **MNOTICE**

- Put on gloves to protect your hands.
- When prying with a flat-tip screwdriver, wrap it with protective tape to prevent damage.
- Take care not to bend or scratch the trim and panels.
- 1. After loosening the mounting bolt, then remove the front pillar trim (A).



2. Installation is the reverse of removal.

### **MNOTICE**

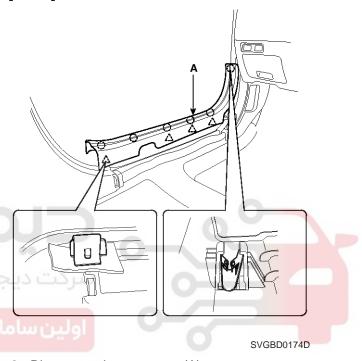
• Replace any damage clips.

### **Door Scuff Trim Replacement**

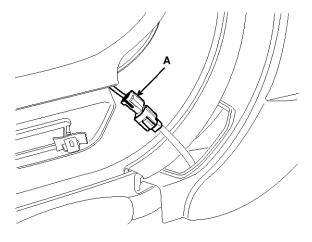
#### **MNOTICE**

- Put on gloves to protect your hands.
- When prying with a flat-tip screwdriver, wrap it with protective tape to prevent damage.
- Take care not to bend or scratch the trim and panels.
- 1. Using a screwdriver or remover, remove the front door scuff tirm (A).

### [Front]



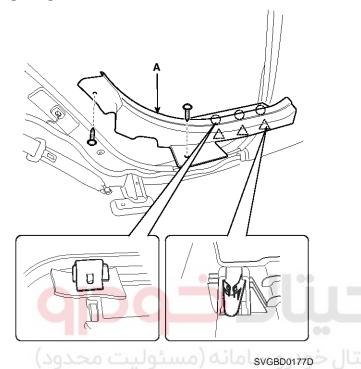
2. Disconnect the connector (A).



SVGBD0176D

- Remove the rear seat.(Refer to the BD group "Rear Seat")
- 4. After loosening the mounting screws, then remove rear door scuff trim (A).

### [Rear]



5. Installation is the reverse of removal.

### **MOTICE**

Replace any damage clips.

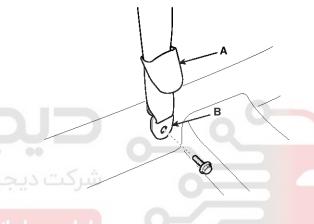
### **Center Pillar Trim Replacement**

#### **MNOTICE**

- Put on gloves to protect your hands.
- When prying with a flat-tip screwdriver, wrap it with protective tape to prevent damage.
- Take care not to bend or scratch the trim and panels.
- Remove the front door scuff trim and rear door scuff trim.
- 2. Remove the seat belt lower anchor cover (A).
- 3. After loosening the mounting bolt, then remove the seat belt lower anchor (B).

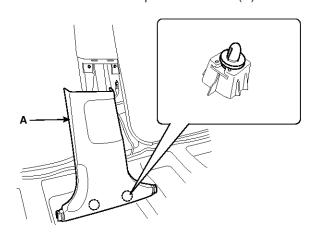
### **Tightening torque:**

 $39.2 \sim 53.9$  N.m (4.0  $\sim 5.5$  kgf.m, 28.9  $\sim 39.8$  lb-ft)



SVGBD0179D

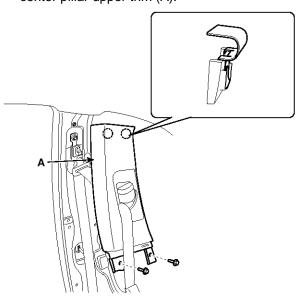
4. Remove the center pillar lower trim (A).



SVGBD0180D

# **Body (Interior and Exterior)**

5. After loosening the mounting bolts, then remove the center pillar upper trim (A).



SVGBD0239D

6. Installation is the reverse of removal.

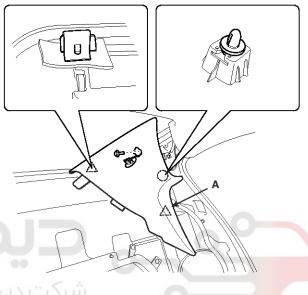
#### **WNOTICE**

Replace any damaged clips.

### **Rear Pillar Trim Replacement**

### **WNOTICE**

- Put on gloves to protect your hands.
- When prying with a flat-tip screwdriver, wrap it with protective tape to prevent damage.
- Take care not to bend or scratch the trim and panels.
- 1. After loosening the mounting bolt, then remove the rear pillar trim (A).



SVGBD0182D

2. Installation is the reverse of removal.

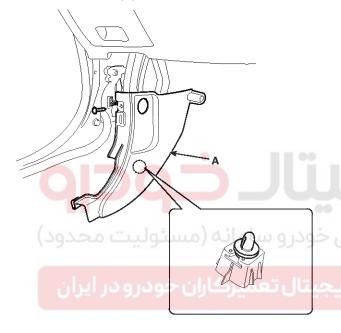
### MOTICE

Replace any damaged clips.

### **Cowl Side Trim Replacement**

#### **MOTICE**

- Put on gloves to protect your hands.
- When prying with a flat-tip screwdriver, wrap it with protective tape to prevent damage.
- Take care not to bend or scratch the trim and panels.
- 1. Remove the front door scuff trim.
- Remove the hood latch release handle. (Refer to the BD group - "Hood")
- 3. After loosening the mounting screw, then remove the cowl side trim (A).



SVGBD0178D

4. Installation is the reverse of removal.

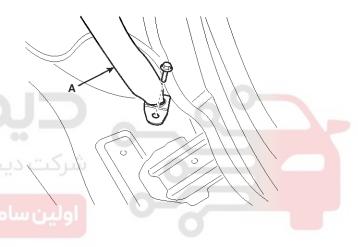
### **Package Tray Trim Replacement**

#### MOTICE

- Put on gloves to protect your hands.
- When prying with a flat-tip screwdriver, wrap it with protective tape to prevent damage.
- Take care not to bend or scratch the trim and panels.
- Remove the rear seat assembly.
   (Refer to the BD group "Rear Seat")
- Remove the trunk trim.(Refer to the BD group "Trunk Trim")
- 3. After loosening the mounting bolt, then remove the rear seat belt lower anchor (A).

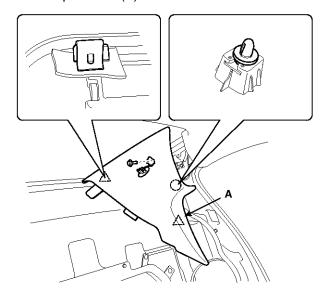
### **Tightening torque:**

 $39.2 \sim 53.9 \text{ N.m} (4.0 \sim 5.5 \text{ kgf.m}, 28.8 \sim 39.8 \text{ lb-ft})$ 



SVGBD0186D

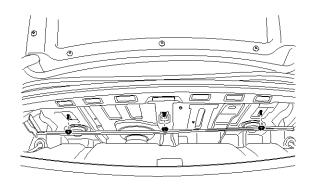
4. After loosening the mounting bolt, then remove the rear pillar trim (A).



SVGBD0182D

# **Body (Interior and Exterior)**

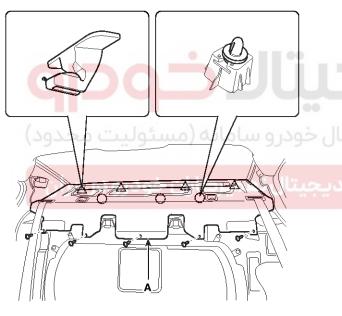
5. Loosen the trunk inner mounting nuts.



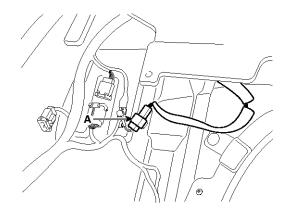
SVGBD0261D

SVGBD0184D

6. After loosening the mounting screws, then remove the package tray trim (A).



7. Disconnect the connector (A).



SVGBD0262D

8. Installation is the reverse of removal.

### **MNOTICE**

- · Replace any damage clips.
- Make sure the connector is connected properly.

### **Trunk Trim**

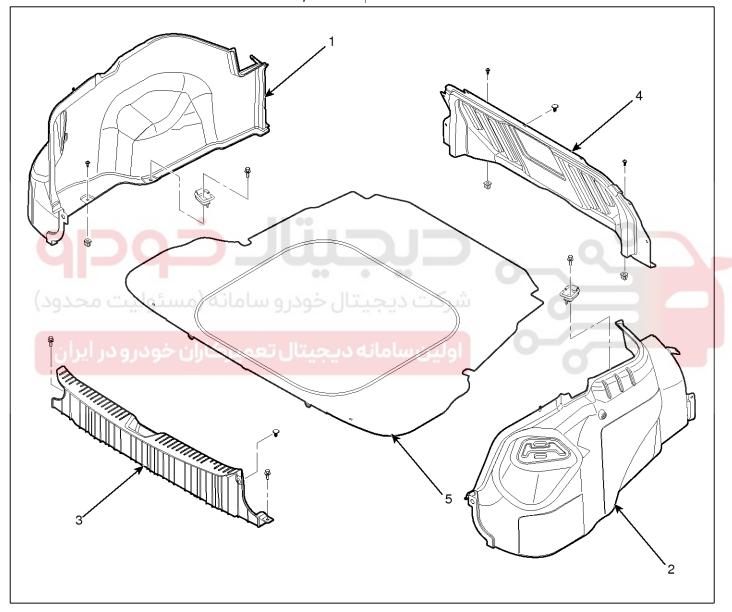
### Replacement

### MOTICE

- Put on gloves to protect your hands.
- When plying with a flat-tip screwd river, wrap it with protective tape to prevent damage.
- Take care not to bend or scratch the trim and panels.
- 1. Remove the trunk trim.
- 2. Installation is the reverse of removal.

### MOTICE

· Replace any damage clips.



SVGBD0187D

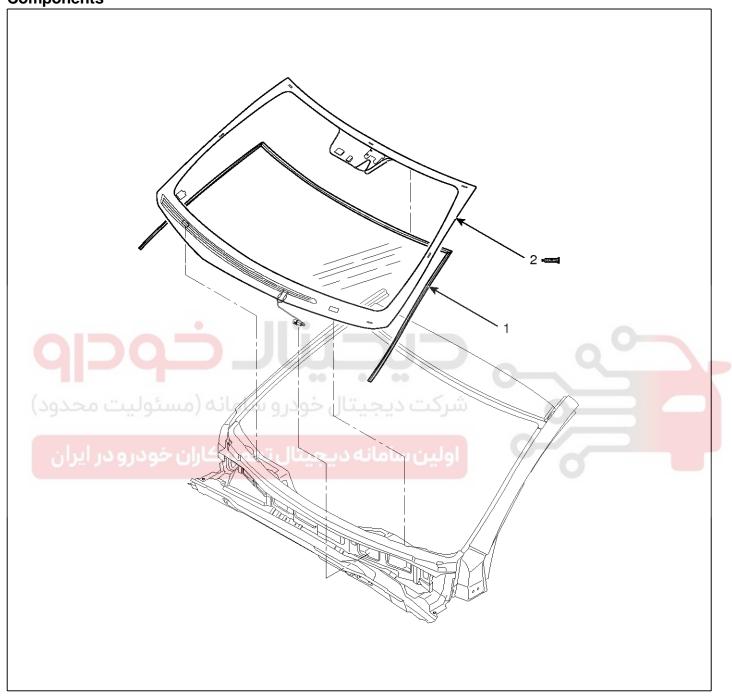
- 1. Luggage side trim (LH)
- 2. Luggage side trim (RH)
- 3. Rear transverse trim

- 4. Partition lower trim
- 5. Luggage covering mat & board

# **Body (Interior and Exterior)**

### **Windshield Glass**

Components



SVGBD0188D

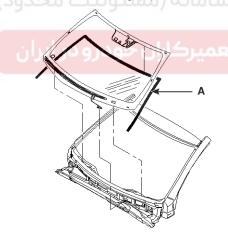
1. Windshield side molding

2. Windshield glass

# Replacement Removal

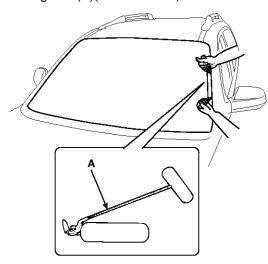
#### **MNOTICE**

- Put on gloves to protect your hands.
- Use seat covers to avoid damaging any surfaces.
- 1. Remove the following items.
  - Front pillar trim (Refer to the BD group - "Interior Trim")
  - ECM mirror (Refer to the BD group - "Mirror")
  - Rain sensor (Refer to the BE group - "Rain Sensor")
  - LDWS unit (Refer to the BE group - "LDWS")
  - Windshield wiper arm (Refer to the BD group - "Cowl Top Cover")
  - Cowl top cover (Refer to the BD group - "Cowl Top Cover")
  - Windshield glass deicer connector (Refer to the BE group - "Windshield Wiper")
- 2. Using a screwdriver or remover, remove the windshield side molding (A).



SVGBD0189D

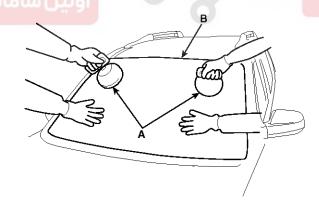
3. Cut out the windshield sealant using the sealant cutting tool (A)(09861-31100).



SYNBD0116L

### MOTICE

- Do not scrape down to the painted surface of the body; damaged paint will interfere with proper bonding.
- Remove the rubber dam and fastereners from the body.
- Mask off surrounding surfaces before painting.
- 4. Remove the windshield (B) carefully using the glass holder (A).



ASIE070D

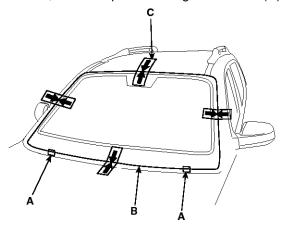
#### Installtion

- With a knige, scrape the old adhesive smooth to a thickness of about 2mm (0.08 in.) on the bonding surface around the entire windshield opening flange:
  - Do not scrape down to the painted surface of the body; damaged paint will interfere with proper bonding.
  - Remove the rubber dam and fastereners from the body.
  - Mask off surrounding surfaces before painting.
- 2. Clean the bonding surface with a sponge dampened in alcohol. After cleaning, keep oil, grease and water from getting on the clean surface.
- Install the windshield side molding (A) and fasteners.Do not allow any gaps.



SVGBD0189D

4. Install the spacer (A) install the windshield glass (B) temporarily with marking sure to position them on the center, and then place the alignment mark (C).

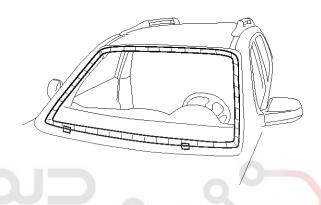


SVGBD0263D

# **Body (Interior and Exterior)**

- 5. With a sponge, apply a light coat of body primer to the original adhesive remaining around the windshield opening flange. Let the body primer dry for at least 10 minutes.
  - Do not apply glass primer to the body, and be careful not to mix up glass and body primer sponges.
  - Never touch the primed surfaces with your hands.
  - Mask off the dashboard before painting the flange.

'/////// : Primer



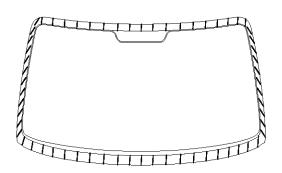
ASIE070G

Apply a light coat of glass primer to the outside of the fasteners.

### MOTICE

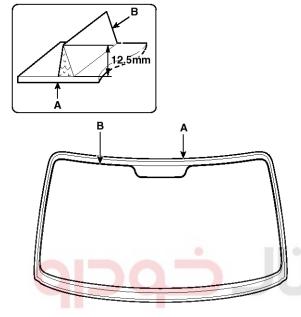
- Never touch the primed surface with your hand.
  If you do, the adhesive may not bond to the glass
  properly, causing a leak after the windshield
  glass is installed.
- Do not apply body primer to the glass.
- Keep water, dust, and abrasive materials away from the primer.

'////// : Primer



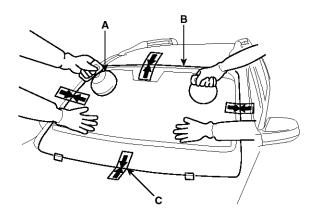
SBHBD8203L

7. Pack adhesive into the cartridge without air pockets to ensure continuous delivery. Put the cartridge in a caulking gun, and run a bead of adhesive (B) around the edge of the windshield (A) between the fastener and molding as shown. Apply the adhesive within 30 minutes after applying the glass primer. Make a slightly thicker bead at each corner.



SVGBD0266D

8. Use suction cups (A) to hold the windshield (B) over the opening, align it with the alignment marks (C) made in step 15, and set it down on the adhesive. Lightly push on the windshield until its edges are fully seated on the adhesive all the way around. Do not open or close the doors until the adhesive is dry.



ASIE070J

- Scrape or wipe the excess adhesive off with a putty knife or towel. To remove adhesive from a painted surface or the windshield, wipe with a soft shop towel dampened with alcohol.
- 10. Let the adhesive dry for at least one hour, then spray water over the roof and check for leaks. If a leak occurs, let it dry, then seal with sealant:
  - Let the vehicle stand for at least four hours after windshield installation. If the vehicle must be driven within 4 hours, it must be driven slowly.
  - Keep the windshield dry for the first hour after installation.
- 11. Installation the following items.
  - Windshield glass deicer connector (Refer to the BE group - "Windshield Wiper")
  - Cowl top cover (Refer to the BD group "Cowl Top Cover")
  - Windshield wiper arm (Refer to the BD group - "Cowl Top Cover")
  - LDWS unit (Refer to the BE group - "LDWS")
  - Rain sensor (Refer to the BE group - "Rain sensor")
  - ECM mirror
     (Refer to the BD group "Mirror")
    - Front pillar trim
      (Refer to the BD group "Interior Trim")

# **Body (Interior and Exterior)**

### **Rear Window Glass**

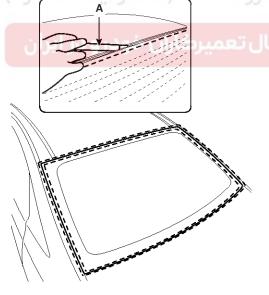
#### Removal

### **⚠**CAUTION

- · Put on gloves to protect your hands.
- Be careful not to damage the painted surface.
- 1. Remove the following items.
  - Roof molding (Refer to the BD group- "Panoramaroof")
  - Rear seat
     (Refer to the BD group- "Rear Seat")
  - Rear pillar trim (Refer to the BD group- "Interior Trim")
  - Package tray trim
     (Refer to the BD group- "Interior Trim")
  - Rear window glass heater connector (Refer to BE group - "Rear window defogger")
- 2. Spread the WD-40 on the side of rear window glass.
- 3. Cut out the adhesive using the cutter (A).

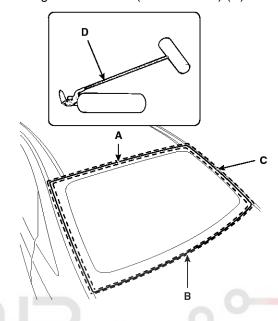
### MOTICE

 Please use the cutter which balde length is between 8-12 inches.



SYFBD0261D

4. Enough on the upper (A) and lower (B) side (C) of rear window glass. and then cut out the adhesive using the cutter tool (09861-31100) (D).

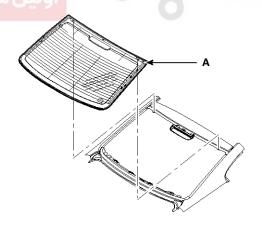


SYFBD0271L

5. Remove the rear window glass (A).

### MOTICE

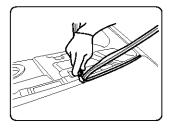
 When removing and installing the rear window glass, an assistant is necessary.



SVGBD0271D

### Installation

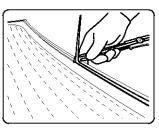
- With a knife, scrape the old adhesive smooth to a thickness of about 2mm (0.08 in.) on the bonding surface around the entire rear window glass opening flange:
  - Do not scrape down to the painted surface of the body; damaged paint will interfere with proper bonding.
  - Remove the rubber dam and fasteners from the body.
  - · Mask off surrounding surfaces before painting.

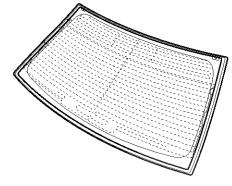




SYFBD0263L

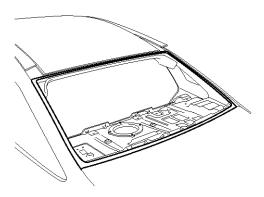
2. Clean the body bonding surface with a sponge dampened in alcohol. After cleaning, keep oil, grease and water from getting on the clean surface.





SYFBD0264L

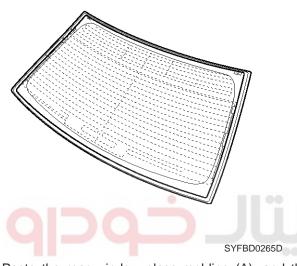
- 3. With a sponge, apply a light coat of body primer to the original adhesive remaining around the windshield opening flange. Let the body primer dry for at least 10 minutes.
  - Do not apply glass primer to the body, and be careful not to mix up glass and body primer sponges.
  - Never touch the primed surfaces with your hands.
  - Mask off the dashboard before painting the flange.



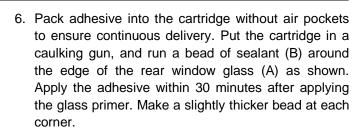
SYFBD0269D

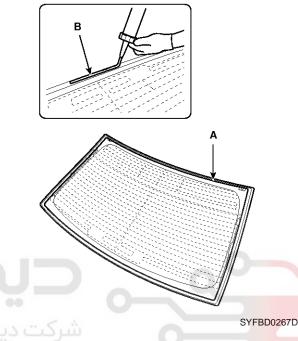
# **Body (Interior and Exterior)**

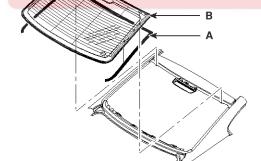
- 4. Apply a light coat of glass primer to the outside of the fasteners.
  - Never touch the primed surface with your hand. If you do, the adhesive may not bond to the glass properly, causing a leak after the tailgate glass is installed.
  - Do not apply body primer to the glass.
  - Keep water, dust, and abrasive materials away from the primer.



5. Paste the rear window glass molding (A), and then install the rear window glass (B).





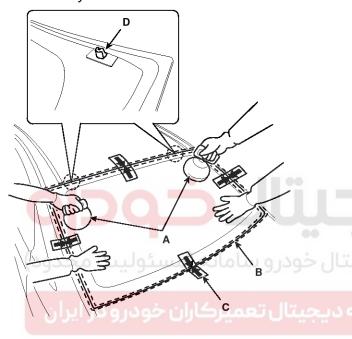


SVGBD0272D

7. Use suction cups (A) to hold the rear window glass (B) over the opening, align it with the alignment marks (C) made in step 15, and set it down on the adhesive. Lightly push on the windshield until its edges are fully seated on the adhesive all the way around. Do not open or close the doors until the adhesive is dry

### MOTICE

• When installing the rear window glass (B), set the rear glass service hole (D) to the frame exactly.



SYFBD0268D

8. Let the adhesive dry for at least 3-4 hour, then spray water over the glass and check for leaks.

### CAUTION

- Do not spray to adhesive area directly. Spray water over the glass and then spill water around the glass.
- 9. Make leaking areas, and let the glass dry, then seal with adhesive.

### **ACAUTION**

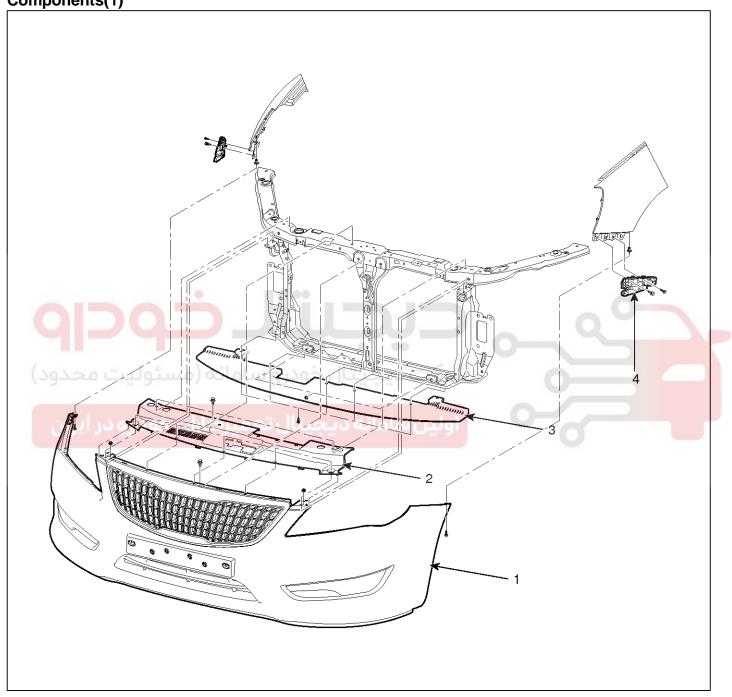
- Let the vehicle stand for at least four hours after glass installation. If the vehicle has to be used within the first eight, it must be driven slowly.
- Keep the glass dry for the first hour after installation.
- Please caution to driver not to drive vehicle along an uneven dirt load or violently
- 10. Reinstall all remaining removed parts.
  - Rear window glass heater connector (Refer to BE group - "Rear window defogger")
  - Package tray trim
     (Refer to the BD group- "Interior Trim")
  - Rear pillar trim
     (Refer to the BD group- "Interior Trim")
  - Rear seat
    - (Refer to the BD group- "Rear Seat")
  - Roof molding (Refer to the BD group- "Panoramaroof")

# **Body (Interior and Exterior)**

# **Bumper**

**Front Bumper** 

Components(1)



SVGBD0190D

- 1.Front bumper cover
- 2.Radiator grill upper guide

- 3. Front bumper lower stiffener
- 4. Front bumper side braket

Bumper BD-111

SVGBD0251D

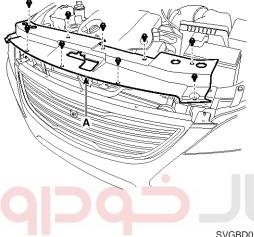
- 1. Front bumper cover
- 2. Front bumper lip assmbly
- 3. Front bumper license plate
- 4. Radiator grill
- 5. Front blind camera assembly

- 6. Front bumper side grill
- 7. Fog lamp
- 8. Front bumper center grill
- 9. Front bumper energy absorber

# Replacement

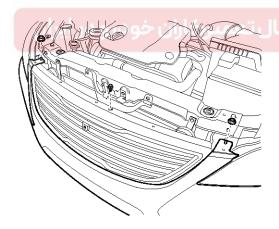
#### **MOTICE**

- Put on gloves to protect your hands.
- When prying with a flat-tip screwdriver, wrap it with protective tape to prevent damage.
- Take care not bend or scratch the cover and other parts.
- 1. Remove the mounting clips and radiator grill upper guide (A).



SVGBD0192D

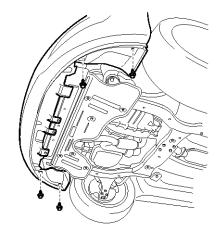
2. Remove the radiator upper cover mounting clip and



SVGBD0195D

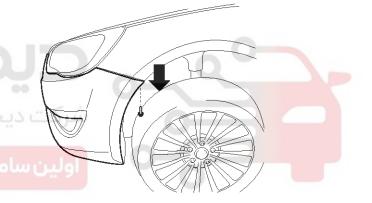
# **Body (Interior and Exterior)**

3. Remove the front bumper lower mounting clips.



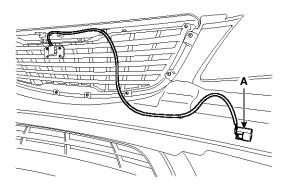
SVGBD0191D

4. After loosening the front bumper side's mounting screw, then disconnect the side's.



SVGBD0193D

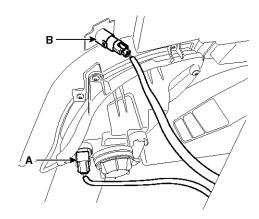
5. Disconnect the front blind camera connector (A).



SVGBD0268D

Bumper BD-113

- 6. Disconnect the fog lamp (A) and PAS sensor (B) connectors.
- 7. Remove the front bumper.



SVGBD0194D

8. Installation is the reverse of removal.

#### **MOTICE**

- Replace any damaged clips.
- Make sure the connector is plugged in properly.

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

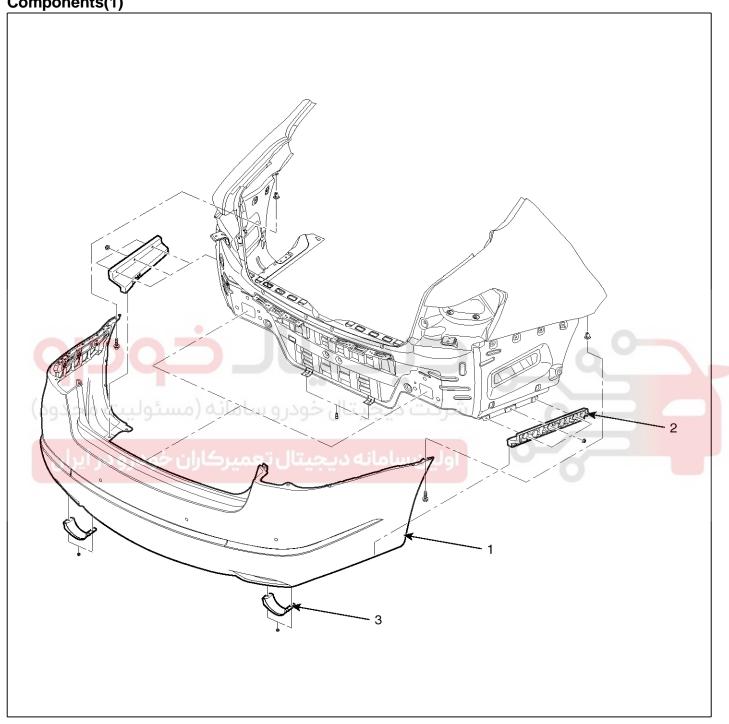
اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



# **Body (Interior and Exterior)**

# **Rear Bumper**

Components(1)



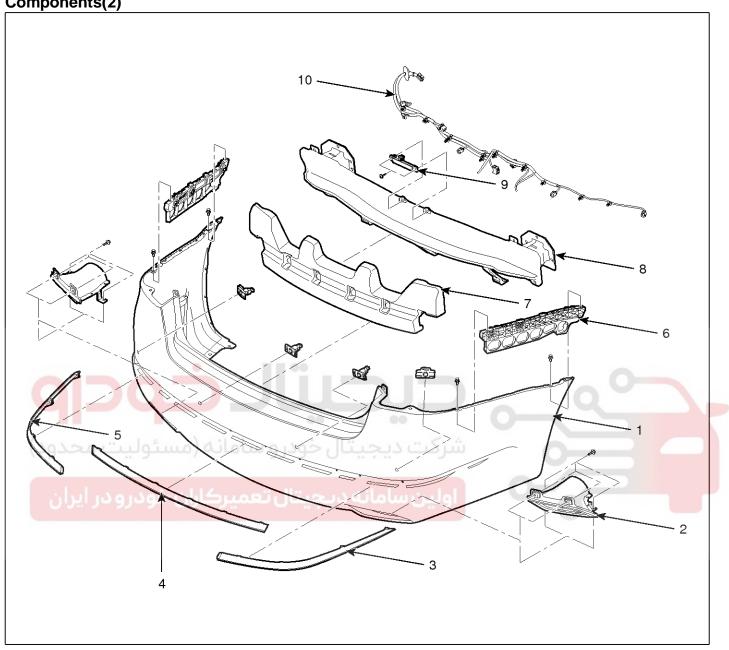
SVGBD0196D

- 1. Rear bumper cover
- 2. Rear bumper side bracket

3. Tail trim cover

**BD-115 Bumper** 

Components(2)



SVGBD0252D

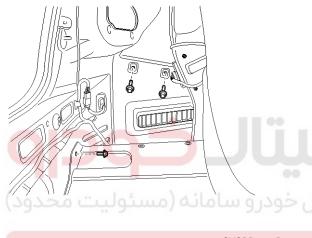
- 1. Rear bumper cover
- 2. Tail trim assembly
- 3. Rear bumper side molding (RH)
- 4. Rear bumper center molding
- 5. Rear bumper side molding (LH)

- 6. Rear bumper side bracket
- 7. Rear bumper energy absorber
- 8. Rear bumper beam assembly
- 9. Antenna
- 10. BWS wiring harness

# Replacement

#### **MNOTICE**

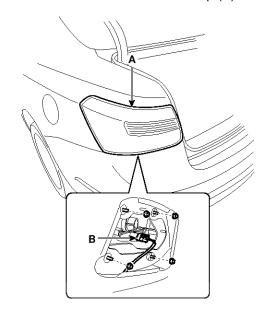
- After remove the rear combination lamp.
- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts your hands.
- Put on gloves to protect your hands.
- Take care not bend or scratch the cover and other parts.
- Remove the trunk trim.
   (Refer to the BD group "Trunk Trim")
- 2. Loosen the trunk inner mounting bolts.



SVGBD0253D عودرو در ایرار

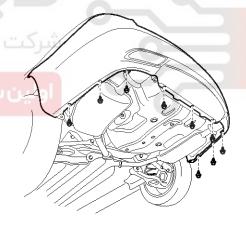
# **Body (Interior and Exterior)**

- 3. Disconnect the connector (B), and then loosen the rear combination lamp mounting nuts.
- 4. Remove the rear combination lamp (A).



SVGBD0197D

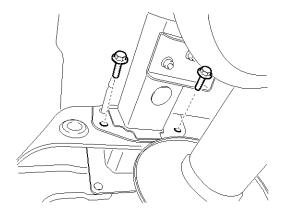
5. Remove the rear bumper mounting clips.



SVGBD0254D

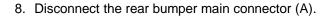
Bumper BD-117

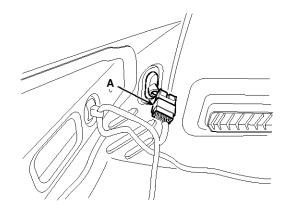
6. Loosen the mounting bolts.



SVGBD0255D

7. After loosening the rear bumper side's mounting clips and screw, then disconnect the side's.



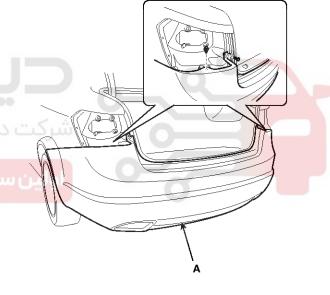


SVGBD0199D

9. After loosening the mounting screw and clip, then remove the rear bumper cover (A).



SVGBD0198D



SVGBD0200D

10. Installation is the reverse of removal.

### MOTICE

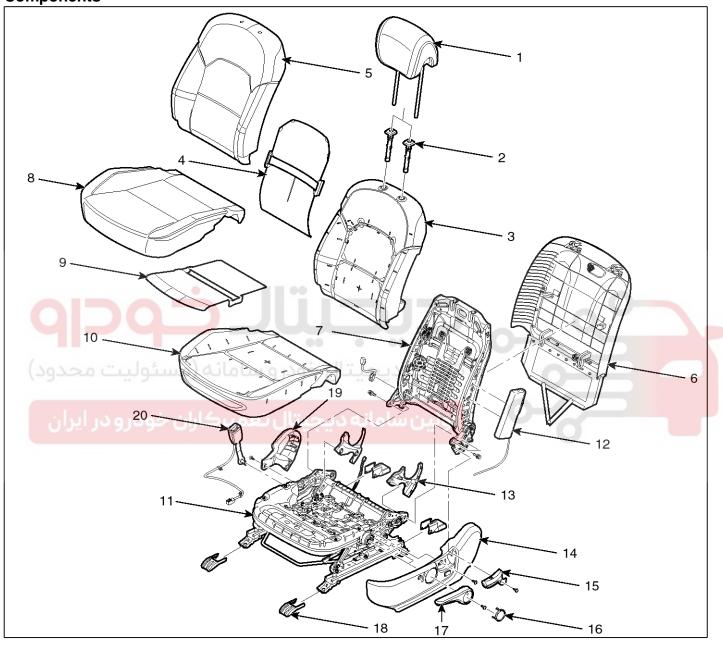
- Replace any damage clips.
- Make sure the connector is plugged in properly.

# **Body (Interior and Exterior)**

## **Seat & Power Seat**

## **Front Seat**

Components



SVGBD0201D

- 1. Headrest
- 2. Headrest guide
- 3. Front seat back pad
- 4. Front seat back warmer
- 5.Front seat back cover
- 6. Front seat back board
- 7. Front seat back frame

- 8. Front seat cushion cover
- 9. Front seat cushion warmer
- 10. Front seat cushion pad
- 11. Front seat cushion frame
- 12. Front seat back side airbag
- 13. Inside cover
- 14. Front seat outer shield cover
- 15. Front seat recliner knob
- 16. Front seat hight knob cap
- 17. Front seat hight knob
- 18. Front seat cover
- 19. Front seat inner shield cover
- 20. Front seat buckle

**BD-119** 

## Replaccement

## **Seat Assembly Replacement**

- 1. Remove the seat track mounting cover.
- 2. After loosening the seat assembly mounting bolts, remove the seat assembly (A).

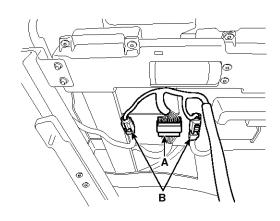
#### **Tightening torque:**

49.0 ~ 63.7N.m (5.0 ~ 6.5kgf.m, 36.2~47.0lb-ft)



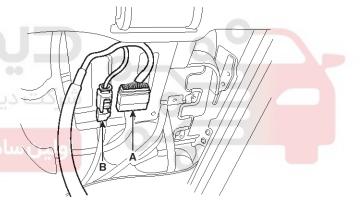
3. Disconnect the power seat (A) and airbag (B) connectors.

#### [Driver's]



SVGBD0203D

#### [Passenger's]



SVGBD0204D

4. Installation is the reverse of removal.

# **∴**CAUTION

# SEAT MOUNTING BOLT INSTALLATION PROCEDURE

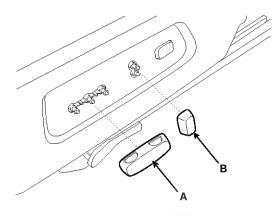
- Set the into the most rearward position.
   Check then each slide is locked, and then
   Tighten the front mounting bolt temporarily.
- Set the seat into most forward position.
   Check that each slide is locked, and then
   Tighten the rear mounting bolt completely.
- Set the seat into the most rearward position.
   Check the front mounting bolt completely.
- Check that the seat operates to and fro smoothy and the locking portion locks properly.

# Body (Interior and Exterior)

## **Recliner Cover Replacement**

#### **MOTICE**

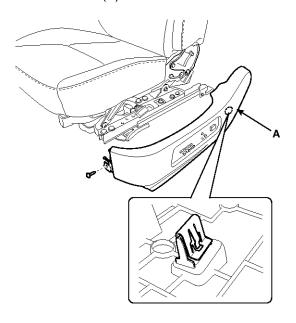
- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts your hands.
- Put on gloves to protect your hands.
- 1. Remove the recliner switch (A) and hight switch (B).



SVGBD0205D

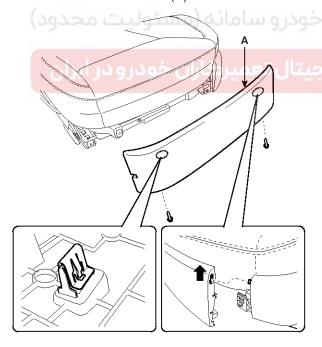
2. After loosening the mounting screws, then remove the recliner center cover(A).

3. After loosening the mounting screw, then remove the recliner cover(A).

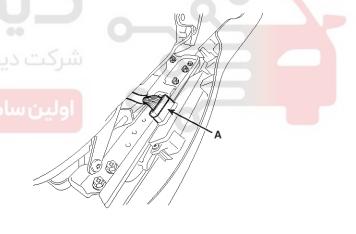


SVGBD0207D

4. Disconnect the connector (A).



SVGBD0206D



SVGBD0208D

5. Installation is the reverse of removal.

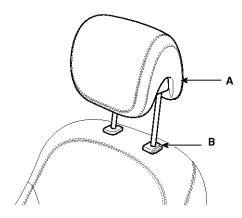
### MOTICE

- · Replace any damaged clips.
- Make sure the connector is plugged in properly.

# **BD-121**

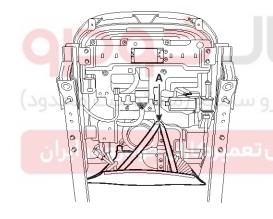
### **Seat Back Replacement**

- 1. Remove front seat assembly.
- 2. Push the lock pin (B), remove the headrest (A).



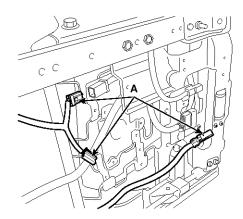
SVGBD0264D

3. Remove the protector (A).



SVGBD0214D

4. Disconnect the connectors (A).

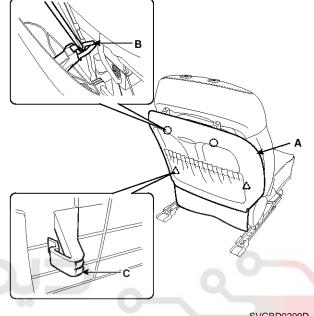


SVGBD0211D

5. Push the clips (B) and hooks (C) from the seat back board (A).

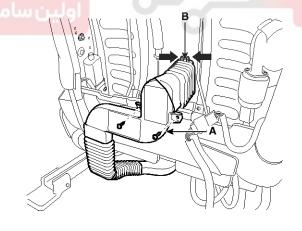
## CAUTION

- · Push the middle area of clip using the flat head screwdriver.
- · Be careful not to damage the clip.



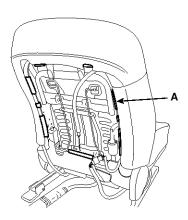
SVGBD0209D

6. Push the hooks (B), loosen the air ventilation seat duct (A) mounting screws.



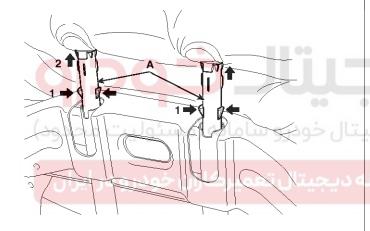
SVGBD0213D

#### 7. Push the porotecter (A) by the seat back frame.



SVGBD0210D

8. Pull out the headrest guides (A) while pinching the end of the guides, and remove them.



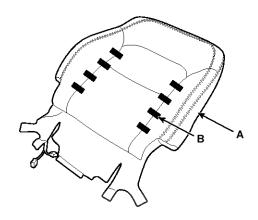
SYFBD0210D

# **Body (Interior and Exterior)**

- 9. Remove the seat back from the frame.
- 10. After removing the hogring clips (B) on the front of seat back and remove the seat back cover (A).

### **A**CAUTION

 When removing the hog-ring clip, remove the hog-ring clip with pressing the wire not to separate the wire from the sponge.

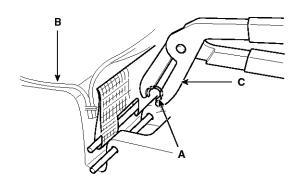


SVGBD0215D

11. Installation is the reverse of removal.

#### MOTICE

- To prevent wrinkles, make sure the material is stretched evenly over the cover (B) before securing the hogring clips (A).
- Replace the hogring clips with new ones using special tool (C) (09880-4F000).

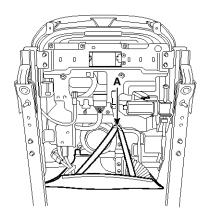


KSHE502F

# **BD-123**

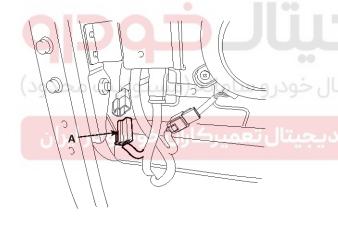
### **Seat Cushion Cover Replacement**

- 1. Remove front seat assembly.
- 2. Remove the recliner cover.
- 3. Remove the protector (A).



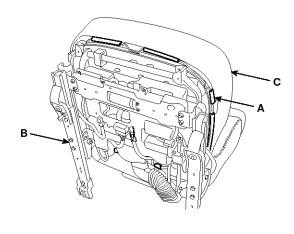
SVGBD0214D

4. Disconnect the connector (A).



SVGBD0217D

5. Push the protecter(A), and then seat cushion cover (C) from the frame(B).

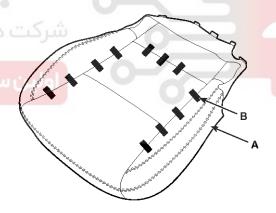


SVGBD0216D

6. After removing the hogring clips (B) on the front of seat cushion and remove the seat cushion cover (A).

#### **ACAUTION**

 When removing the hog-ring clips, remove the hog-ring clips with pressing the wire not to separate the wire from the sponge.



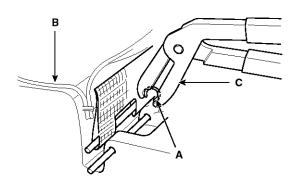
SVGBD0219D

# **Body (Interior and Exterior)**

7. Installation is the reverse of removal.

#### **MOTICE**

- To prevent wrinkles, make sure the material is stretched evenly over the cover (B) before securing the hogring clips (A).
- Replace the hogring clips with new ones using special tool (C) (09880-4F000).



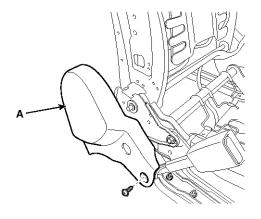


KSHE502F



## Seat Frame Replacement

- 1. Remove the following items:
  - · Front seat
  - · Front seat back cover
  - · Front seat cushion cover
- 2. After loosening the mounting screw, then remove the front seat inner shield cover (A).



SVGBD0220D

3. After loosening the mounting bolts, then disconnect the seat back frame (A) and seat cushion frame (B).

#### MOTICE

- Remove the side air bag for replacing side air bag installation seat.
- Before service, be fully aware of precautions and service procedure relevant to air bag (Refer to page RT-Airbag)

#### **Tightening torque:**

 $49.0 \sim 63.7 \text{ N.m} (5.0 \sim 6.5 \text{ kgf.m}, 36.2 \sim 47.0 \text{ lb-ft})$ 



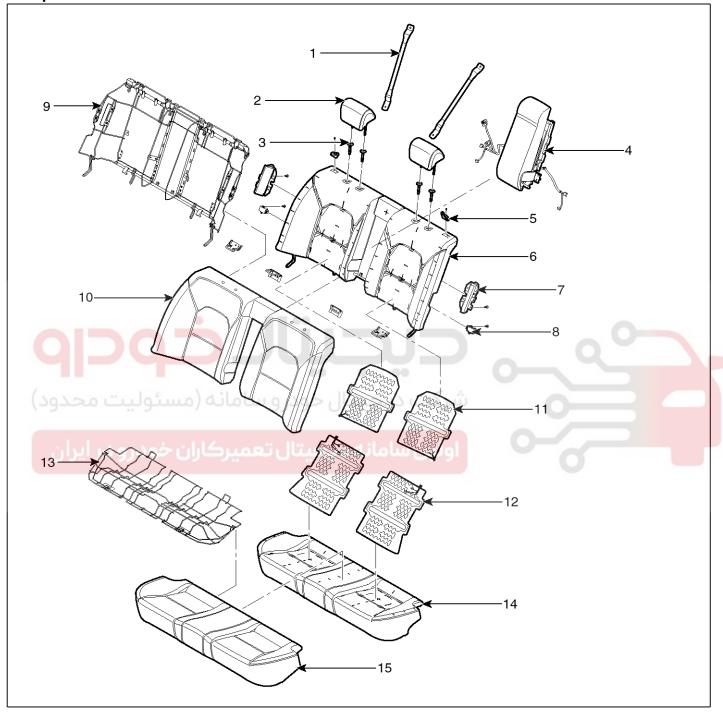
SVGBD0221D

4. Installation is the reverse of removal.

**BD-125** 

## **Rear Seat**

## Components



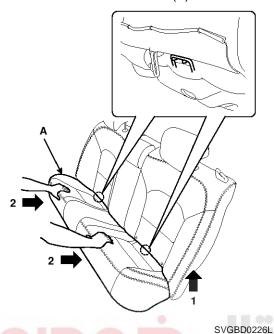
SVGBD0222D

- 1. Rear luggage bar
- 2. Headrest
- 3. Headrest guide
- 4. Rear back armrest
- 5. Web guide

- 6. Rear seat back pad
- 7. Sab support bracket
- 8. Rear back heater unit assembly
- 9. Rear seat back frame assembly
- 10. Rear seat back cover
- 11. Rear seat back heater assembly
- 12. Rear seat cushion heater
- 13. Rear seat cushion frame assembly
- 14. Rear seat cushion pad
- 15. Rear seat cushion cover

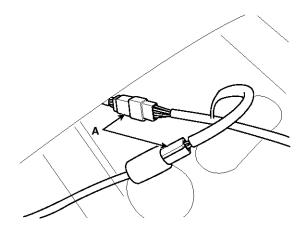
# Replacement **Seat Assembly Replacement**

1. Remove the rear seat cushion (A).



# **Body (Interior and Exterior)**

2. Disconnect the rear seat cushion heater connectors

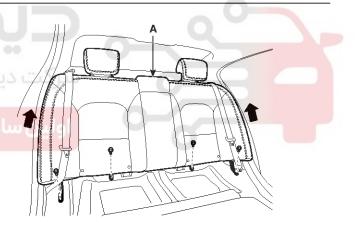


SVGBD0225D

3. After loosening the mounting bolts, then remove the rear seat back (A).

### **Tightening torque:**

 $16.7 \sim 25.5 \text{N.m} (1.7 \sim 2.6 \text{kgf.m}, 12.3 \sim 18.8 \text{lb-ft})$ 

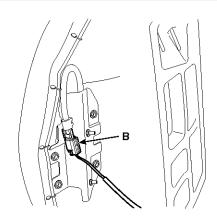


SVGBD0223D

**BD-127** 

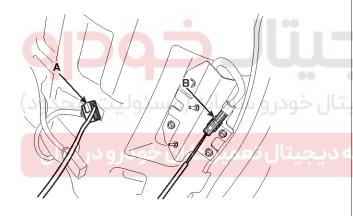
Disconnect the rear seat back heater (A) and airbag
 connectors.

## [LH]



SVGBD0224D

# [RH]



SVGBD0256D

5. Installation is the reverse of removal.

#### MOTICE

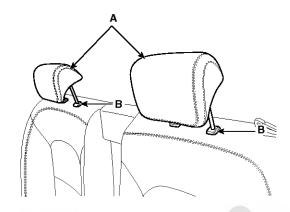
Seat mounting bolt and nut installation procedure.

- Tighten temporarily in the order of nut and bolt on the front of recliner hinge installation part.
- After completely tightening completely the bolt on the back of the recliner hinge installaion part, tighten the bolt on the front of it completely.
- Setting down the seat cushion, tighten the mounting bolt of the cushion frame hinge.
- Check if reclining the seat and folding seat back operate smoothly.

# Rear Seat Back Cover Replacement

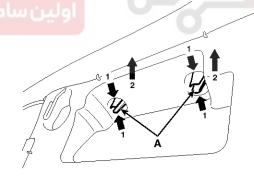
#### MNOTICE

- When prying with a flat-tipped screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damaged.
- Put on gloves to protect your hands.
- 1. Remove the rear seat assembly.
- 2. Push the lock pin (B), remove the headrest (A).



SVGBD0265D

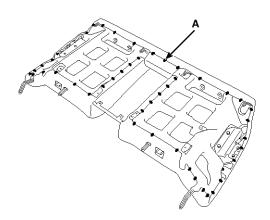
3. Pull out the headrest guides (A) while pinching the end of the guides, and remove them.



SVGBD0228D

# **Body (Interior and Exterior)**

4. Remove the hogring clips (A).



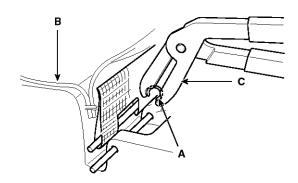
SVGBD0229D

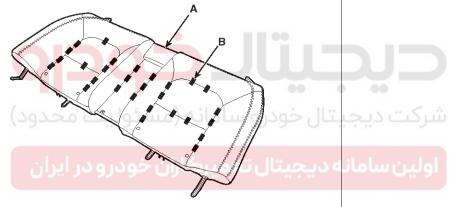
5. Disconnect the hogring clips (B) on the rear of seat back, remove the seat back cover (A).

6. Installation is the reverse of removal.

### **MOTICE**

- To prevent wrinkles, make sure the material is stretched evenly over the cover (B) before securing the hogring clips (A).
- Replace the hogring clips with new ones using special tool [C (09880-4F000)].





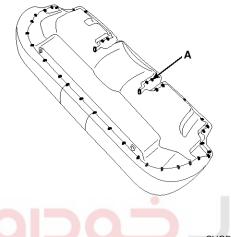
SVGBD0230D

**BD-129** 

# **Rear Seat Cushion Cover Replacement**

#### **MOTICE**

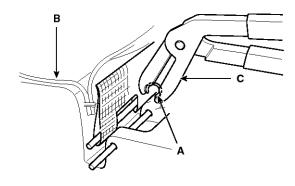
- When prying with a flat-tipped screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damaged.
- Put on gloves to protect your hands.
- 1. Remove the rear seat cushion.
- 2. Remove the hogring clips (A).



4. Installation is the reverse of removal.

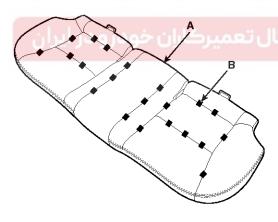
### **MNOTICE**

- To prevent wrinkles, make sure the material is stretched evenly over the cover (B) before securing the hogring clips (A).
- · Replace the hogring clips with new ones using special tool [C (09880-4F000)].



SVGBD0257D

3. Disconnect the hogring clips (B) on the rear of seat cushion, remove the seat cushion cover (A).

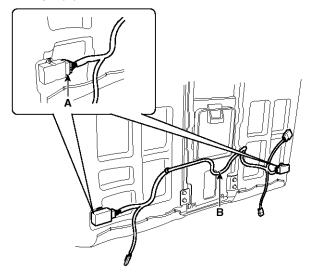


SVGBD0231D

KSHE502F

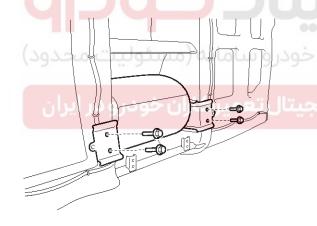
# Armrest Replacement

- 1. Remove the rear seat assembly.
- 2. Disconnect the connectors (A), and mounting wireing clips (B).



SVGBD0232D

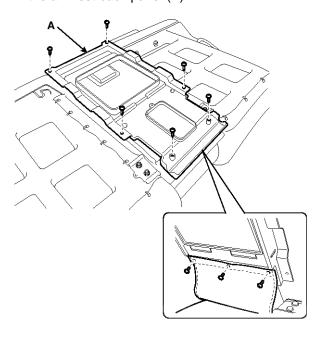
3. Loosen the armrest back panel mounting bolts.



SVGBD0234D

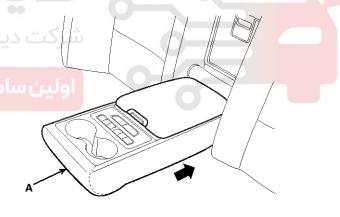
# **Body (Interior and Exterior)**

4. After loosening the mounting screws, then remove the armrest back panel (A).



SVGBD0233D

5. Remove the armrest (A).



SVGBD0235D

6. Installation is the reverse of removal.

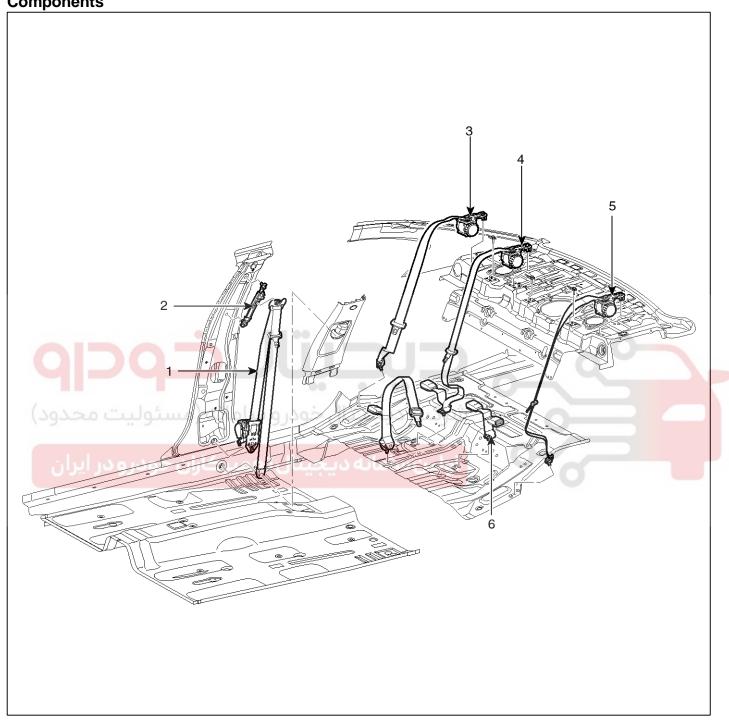
### MOTICE

• Make sure the connector is plugged in properly.

**BD-131 Seat Belt** 

# **Seat Belt**

Components



SVGBD0236D

- 1. Front seat belt
- 2. Height adjuster
- 3. Rear seat belt (RH)

- 4. Rear center seat belt
- 5. Rear seat belt (LH)
- 6. Rear center seat belt buckle

# **Body (Interior and Exterior)**

## **Front Seat Belt**

## Replacement

Front Seat Belt Replacement

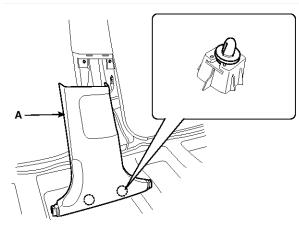
## **ACAUTION**

- When installing the belt, make sure not to damaged the pretensioner.
- 1. Remove the following items first:
  - Front seat assembly (Refer to the BD group - "Front Seat")
  - Front and rear door scuff trim (Refer to the BD group - "Interior Trim")
- 2. After raise the lower anchor cover (A), loosening the lower anchor (B) mounting bolt.

### **Tightening torque:**

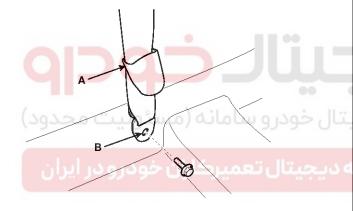
 $39.2 \sim 53.9 \text{ N.m}$  (4.0  $\sim 5.5 \text{ kgf.m}$ ,  $28.9 \sim 39.8 \text{ lb-ft}$ )

3. Remove the center pillar lower trim (A).

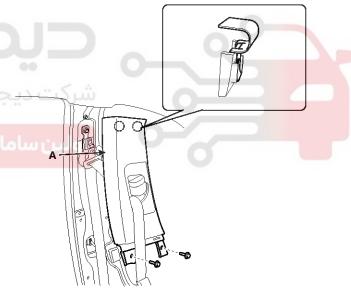


SVGBD0180D

4. After loosening the mounting bolts, then remove the center pillar upper trim (A) .



SVGBD0237D



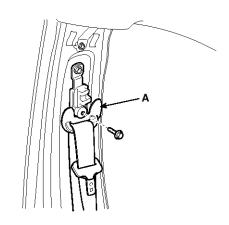
SVGBD0267D

Seat Belt BD-133

5. After loosening the mounting bolt, then remove the upper anchor (A).

#### Tightening torque:

 $39.2 \sim 53.9$  N.m (4.0  $\sim 5.5$  kgf.m,  $28.9 \sim 39.8$  lb-ft)

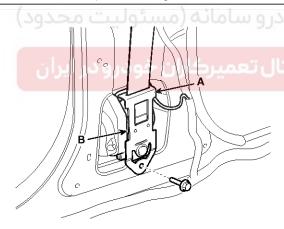


SVGBD0240D

6. After disconnecting the pretensioner connector lock pin, remove the SIS connector (A), loosen the mounting bolt, then remove the pretensioner (B).

### **Tightening torque:**

 $39.2 \sim 53.9$  N.m (4.0  $\sim 5.5$  kgf.m,  $28.9 \sim 39.8$  lb-ft)



SVGBD0241D

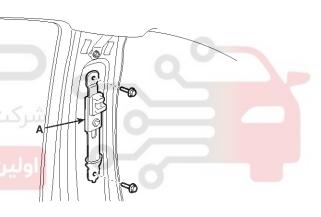
7. Installation is the reverse of removal.

### **Height Adjust Replacement**

- 1. Remove the following items first:
  - Front seat assembly (Refer to the BD group - "Front Seat")
  - Front door scuff trim & Rear door scuff tirm (Refer to the BD group - "Interior Trim")
  - · Front seat belt lower anchor
  - Center pillar lower trim (Refer to the BD group - "Interior Trim")
  - Center pillar upper trim (Refer to the BD group - "Interior Trim")
  - Front seat belt upper anchor
- 2. After loosening the bolts, then remove the height adjustor (A).

### Tightening torque:

 $39.2 \sim 53.9 \text{ N.m} (4.0 \sim 5.5 \text{kgf.m}, 28.9 \sim 39.8 \text{ lb-ft})$ 



SVGBD0242D

3. Installation is the reverse of removal.

#### MOTICE

- Replace ant damaged clips.
- Make sure the height adjust properly.

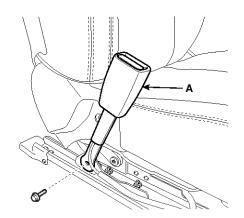
# **Body (Interior and Exterior)**

## Front Seat Belt Buckle Replacement

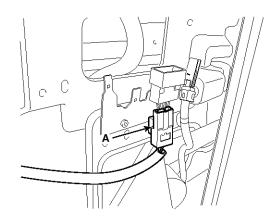
- Remove the front seat assembly.
   (Refer to the BD group "Front Seat")
- 2. After loosening the mounting bolt, then remove the front seat belt buckle (A).

#### Tightening torque:

 $39.2 \sim 53.9 \text{ N.m} (4.0 \sim 5.5 \text{ kgf.m}, 28.9 \sim 39.8 \text{ lb-ft})$ 



3. Disconnect the connector mounting clip (A).



SVGBD0258D

4. Installation is the reverse of removal.



SVGBD0243D

شرکت دیجیلتال خودرو سامانه (مسئولیت محدود)

اولین سامان<mark>ه دیجیتال تعمیرکاران خودرو در ایران</mark>



Seat Belt BD-135

## **Rear Seat Belt**

## Replacement

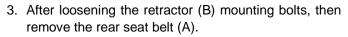
Rear Seat Belt Replacement

## **ACAUTION**

- When installing the belt, make sure not to damaged the retractor.
- 1. Remove the following items first.
  - Rear seat assembly (Refer to the BD group - "Rear Seat")
  - Rear Piller trim
     (Refer to the BD group "Interior Trim")
  - Package tray trim (Refer to the BD group - "Interior Trim")
- 2. After loosening the mounting bolt, then remove the rear seat belt lower anchor (A).

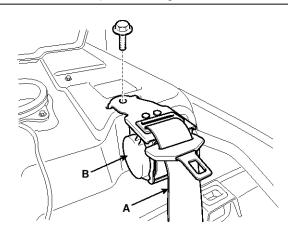
### Tightening torque:

 $39.2 \sim 53.9 \text{ N.m} (4.0 \sim 5.5 \text{ kgf.m}, 28.9 \sim 39.8 \text{ lb-ft})$ 



#### Tightening torque:

 $39.2 \sim 53.9 \text{ N.m} (4.0 \sim 5.5 \text{ kgf.m}, 28.9 \sim 39.8 \text{ lb-ft})$ 

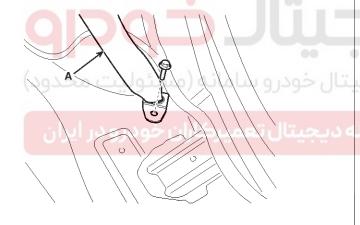


SVGBD0245D

4. Installation is the reverse of removal.

#### MOTICE

Replace ant damaged clips.



SVGBD0244D

# **Body (Interior and Exterior)**

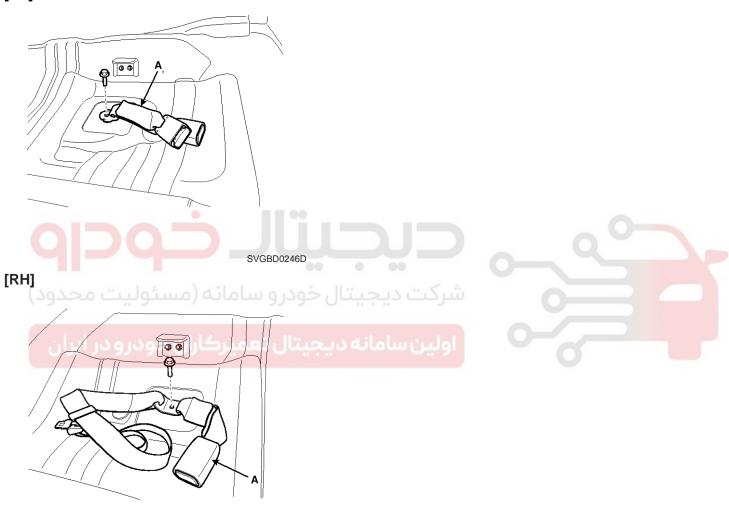
### Rear Seat Belt Buckle Replacement

- Remove the rear seat.
   (Refer to the BD group "Rear Seat")
- 2. Loosen the mounting bolt, and then remove the rear seat belt buckle (A).

#### Tightening torque:

 $39.2 \sim 53.9$  N.m (4.0  $\sim 5.5$  kgf.m,  $28.9 \sim 39.8$  lb-ft)

## [LH]



SVGBD0247D

3. Installation is the reverse of removal.