

GENESIS(BH) > 2012 > G 5.0 GDI > Body (Interior and Exterior)

Body (Interior and Exterior) > General Information > Specifications

Specifications

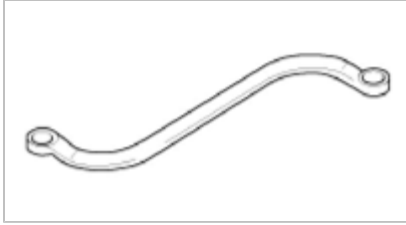
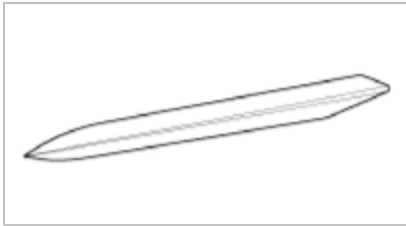
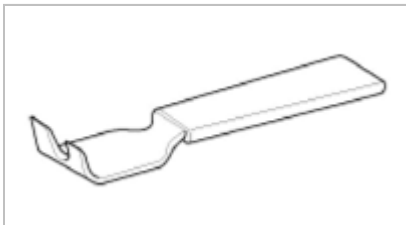
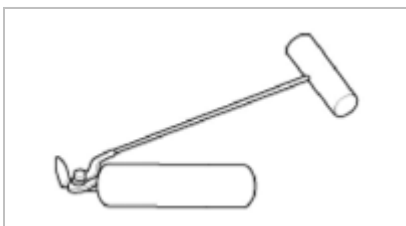
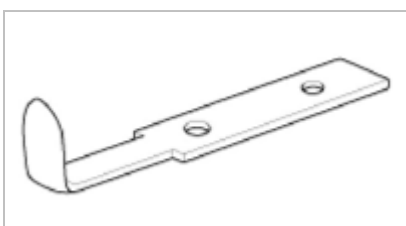
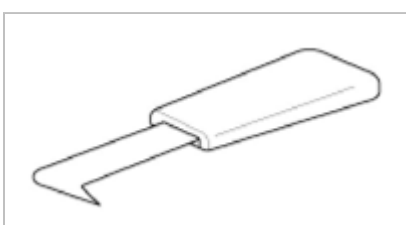
Hood	Type	Rear hinged, gas lifter type
Front Door	Construction	Front hinged, full door construction
	Regulator system	Wire drum type
	Locking system	Pin-fork system
Rear Door	Construction	Front hinged, full door construction
	Regulator system	Wire drum type
	Locking system	Pin-fork system
Tailgate	Type	Front hinged, gas lifter
Glass Thicknes	Windshield glass	5.0mm (0.1969in.)
	Front door glass	4.0mm (0.1575in.)
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

Tightening Torques

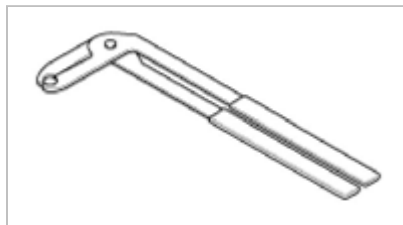
Items		N.m	Kgf.m	Lb-ft
Hood	Hood hinge to body	21.6~26.5	2.2~2.7	15.9~19.5
	Hood hinge to hood	21.6~26.5	2.7~2.7	15.9~19.5
	Hood latch to body	6.9~10.8	0.7~1.1	5.1~8.0
Trunk lid	Trunk lid latch	6.9~10.8	0.7~1.1	5.1~8.0
	Trunk lid striker	21.6~26.5	2.2~2.7	15.9~19.5
Front and rear doors	Door hinge to door	34.3~41.2	3.8~4.2	27.5~30.4
	Door striker	12.7~25.5	1.3~2.6	9.4~18.8
	Checker to body	16.7~21.6	1.7~2.2	12.3~15.9
	Checker to door	16.7~21.6	0.7~1.1	5.1~8.0
Seat	Front seat mounting bolts	6.9~10.8	4.0~5.5	28.9~39.8
	Rear seat mounting bolts	39.2~53.9	4.0~5.5	28.9~39.8
Seat belt	Front seat belt height adjuster	39.2~53.9	4.0~5.5	28.9~39.8
	Front seat belt buckle mounting bolt	39.2~53.9	4.0~5.5	28.9~39.8
	Front seat belt anchor mounting bolt	39.2~53.9	4.0~5.5	28.9~39.8
	Front seat belt lower anchor	39.2~53.9	4.0~5.5	28.9~39.8
	Front seat belt upper anchor	39.2~53.9	4.0~5.5	28.9~39.8
	Rear seat belt anchor attaching 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

Body (Interior and Exterior) > General Information > Special Service Tools

Special Service Tools

Tool (Number and name)	Illustration	Use
09793-21000 Door hinge adjusting wrench		Adjustment, removal and installation of the door hinge
09800-21000 Ornament remover		Trim removal
09853-31000 Headliner clip remover		Headliner clip removal
09861-31100 Sealant cut-out tool		Cutting windshield sealant (use with 09861-31200)
09861-31200 Sealant cutting blade		Cutting windshield sealant (use with 09861-31100)
09861-31000 Windshield molding remover		Windshield molding removal

09880-4F000
Hog ring clip installer



Hog ring clip installation

Body (Interior and Exterior) > General Information > Troubleshooting

Troubleshooting

Symptom	Suspect Area	Remedy (Refer to page)
Water leaks from sunroof	Dirt accumulation in drain tube	Remove dirt from drain
	Clogged drain tube	Blow air into drain to remove dirt
	Broken or dislocated drain tube, defective or cracked clip	Check tube installation and flange contact
	Deteriorated roof lid weatherstrip	Replace
	Excessive roof lid-to-body clearance and improperly fitted weatherstrip	Adjust
Wind noise around sunroof	Loose or deformed deflector, gaps in body work	Retighten adjust or replace
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 resistance or interference of sunroof with drive cables, weatherstrip, etc. due to maladjustment of sunroof	
Noise in motor (clutch slipping noise from motor when sunroof is fully opened or closed is not an unusual noise)	Incorrect engagement of motor pinion with drive cable	Check pinion installation and retighten motor
	Worn out or damaged motor pinion bearing	Replace motor assembly
	Worn out or deformed drive cable	Replace
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 completely	Incorrect door installation	Adjust position
	Defective door check assembly	Correct or replace
	Door hinge requires grease	Apply grease
Hood does not open or close	Striker and latch not properly aligned	Adjust

completely	Incorrectly installed hood	Adjust
	Incorrect hood bumper height	Adjust
Water leak through windshield end rear window	Defective seal	Fill with sealant
	Defective flange	Correct

Body (Interior and Exterior) > Body Dimensions > General Information

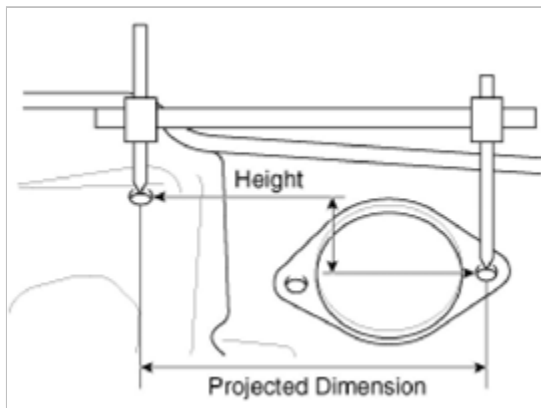
General

1. Basically, all measurements in this manual are taken with a tracking gauge.
2. When a measuring tape is used, check to be sure there is no elongation, twisting or bending.
3. For measuring dimensions, both projected dimension and actual-measurement dimension are used in this manual.

Measurement Method

Projected Dimensions

1. These are the dimensions measured when the measurement points are projected into the reference plane, and are the reference dimensions used for body alterations.
2. If the length of the tracking gauge probes are adjustable, make the measurement by lengthening one probe by the amount equivalent to the difference in height of the two surfaces.

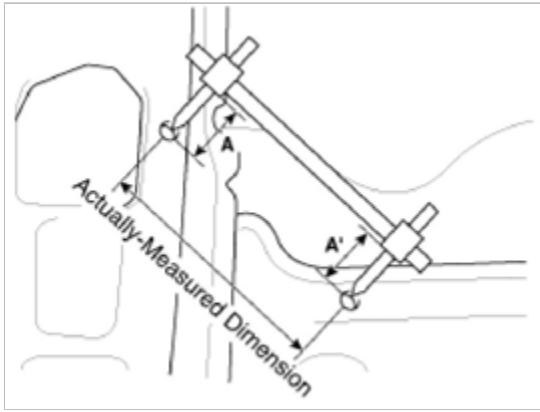


Actual-Measurement Dimensions

1. These dimensions indicate the actual linear distance between measurement points, and are the reference dimensions for use if a tracking gauge is used for measurement.
2. Measure by first adjusting both probes to the same length ($A=A'$).

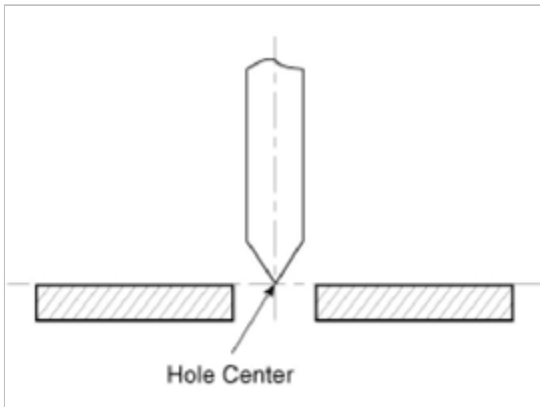
CAUTION

Check the probes and gauge itself to make sure there is no free play.



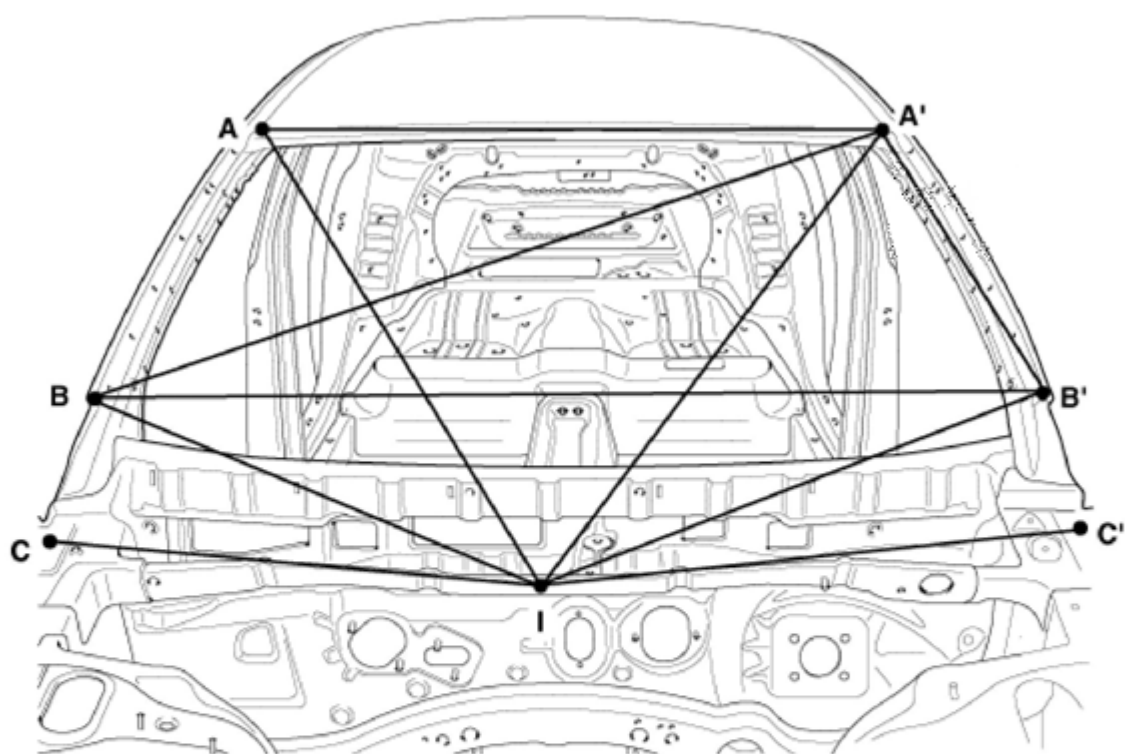
Measurement Point

1. Measurements should be taken at the hole center.



**Body (Interior and Exterior) > Body Dimensions > Front Body
> Body Repair**

Front Body A



* These dimensions indicated in this figure are actual-measurement dimensions.

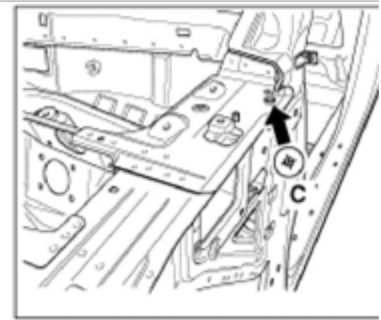
Point symbol	A-A'	A-B A'-B'	A-B' A'-B	A-I A'-I	B-B'	B-I B'-I	C-I C'-I	
Length(mm)	1196	697	1511	1208	1503	838	828	



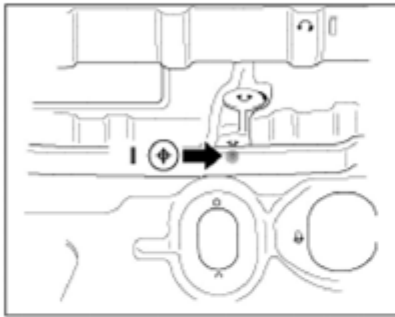
Roof panel front corner



Front pillar outer corner

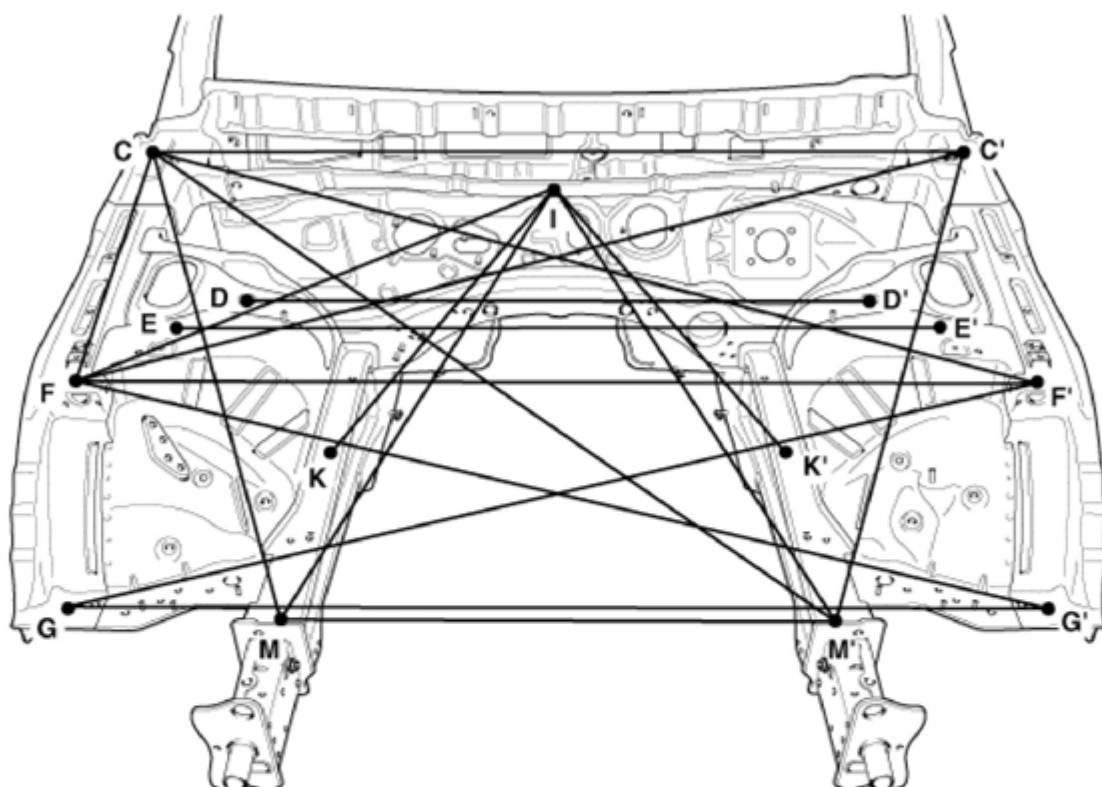


Hood hinge mounting hole (ø1



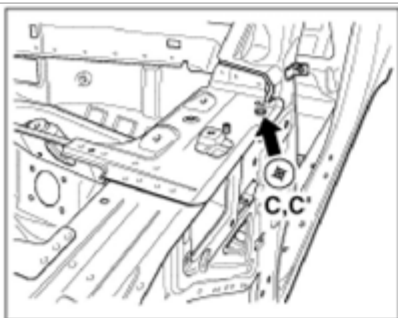
Cowl top cover mounting hole (ø7)

Front Body B



* These dimensions indicated in this figure are actual-measurement dimensions.

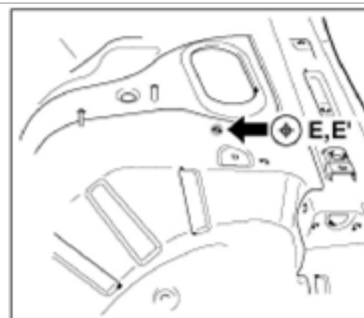
Point symbol	C-C'	C-F C'-F'	C-F' C'-F	C-M C'-M'	C-M' C'-M	D-D'	E-E'	F
Length(mm)	1615	691	1698	1073 1083	1593 1584	1031	1230	14
Point symbol	F-G' F'-G	G-G'	I-F I-F'	I-K I-K'	I-M I-M'	M-M'		
Length(mm)	1571	1562	901	639 668	931 942	843		



Hood hinge mounting hole
(ø13)



Shockabsorber housing panel
tooling hole (ø20)



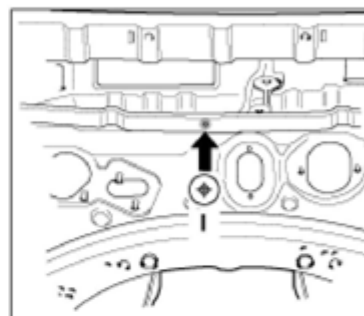
Shockabsorber housing panel tool
hole (ø13)



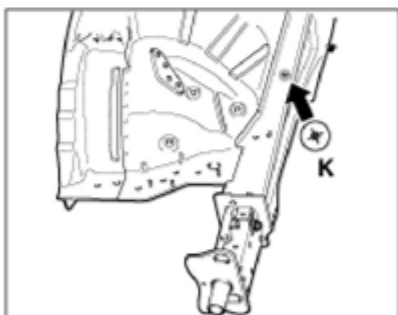
Fender apron panel tooling hole
(ø9)



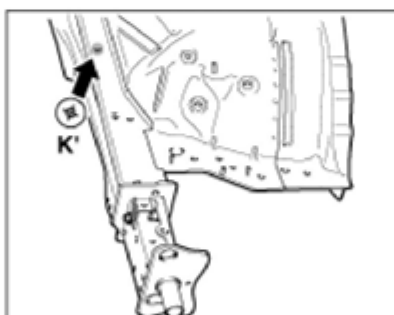
Fender apron panel tooling hole
(ø7)



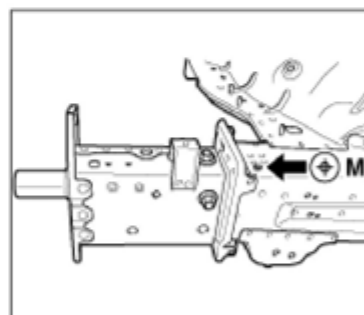
Cowl top cover mounting hole
(ø13)



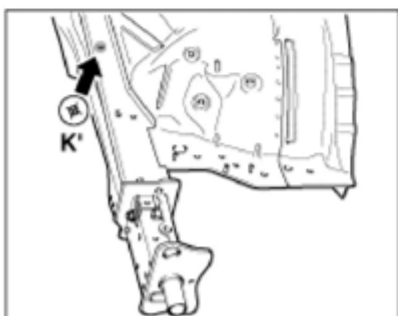
Front side member tooling hole
(8X8)



Front side member tooling hole
(ø7)



Front side member tooling hole
(8)

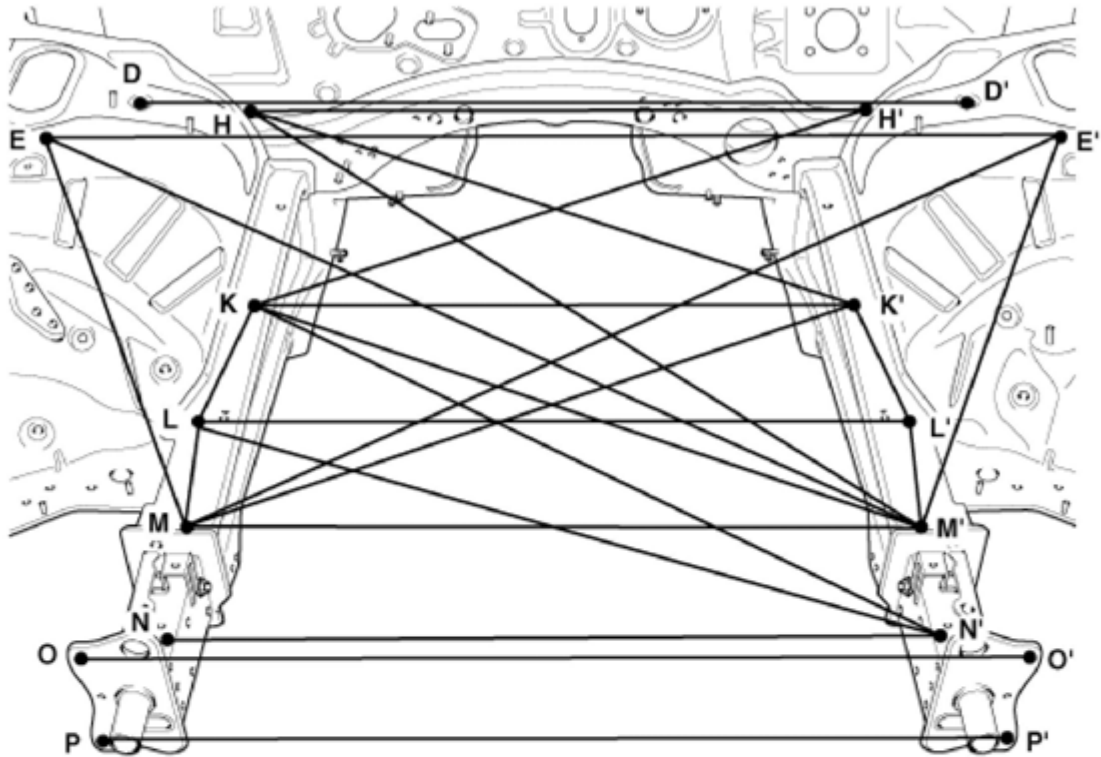


Front side member tooling hole
(ø7)



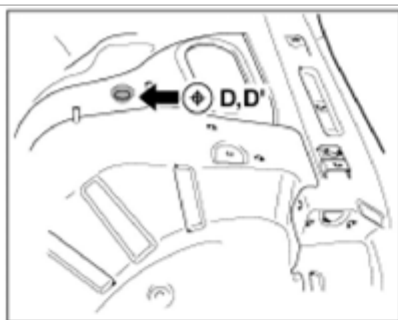
Front side member tooling hole
(RH/LH-ø7/ø11)

Front Body C

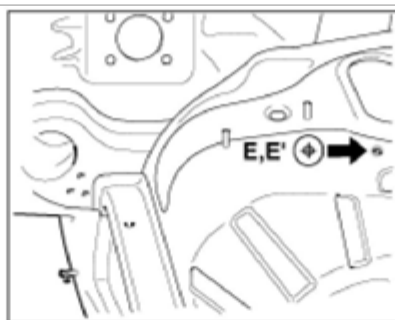


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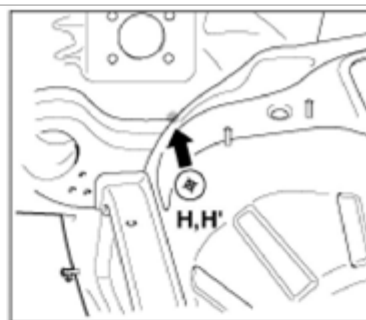
Point symbol	D-D'	E-E'	E-M E'-M'	E-M' E'-M	H-H'	H-K' H'-K	H-M' H'-M	K-
Length(mm)	1031	1230	523 531	1149 1144	944	967 939	1178 1169	8-
Point symbol	K-L' K'-L	K-M' K'-M	K-N' K'-N	L-L'	L-M L'-M'	L-N' L'-N	M-M'	N-
Length(mm)	895 887	941 928	1028 1008	892	187 193	938 935	843	8-
Point symbol	O-O'	P-P'						
Length(mm)	991	991						



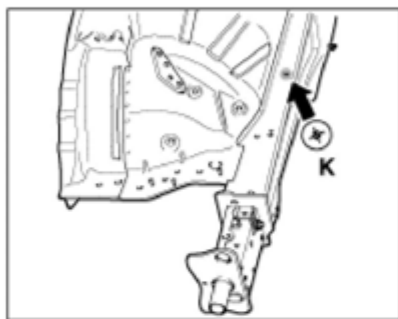
Shockabsorber housing panel tooling hole (ø20)



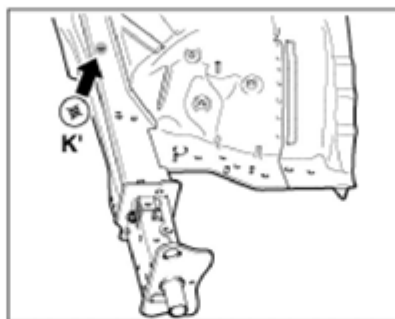
Shockabsorber housing panel tooling hole (ø8)



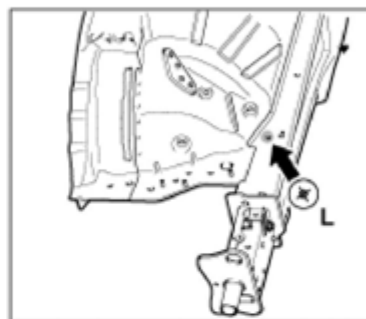
Shockabsorber housing panel tooling hole (ø8)



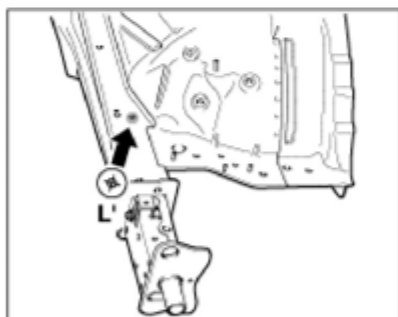
Front side member tooling hole (8X8)



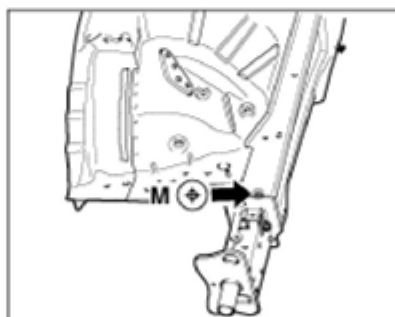
Front side member tooling hole (ø7)



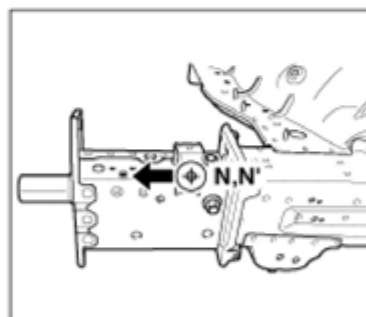
Front side member tooling hole (8X8)



Front side member tooling hole (ø7)



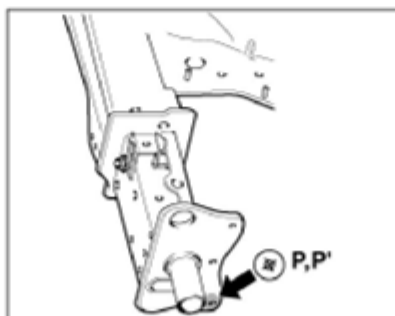
Front side member tooling hole (RH/LH-ø7/ø11)



Crash member tooling hole (ø6)



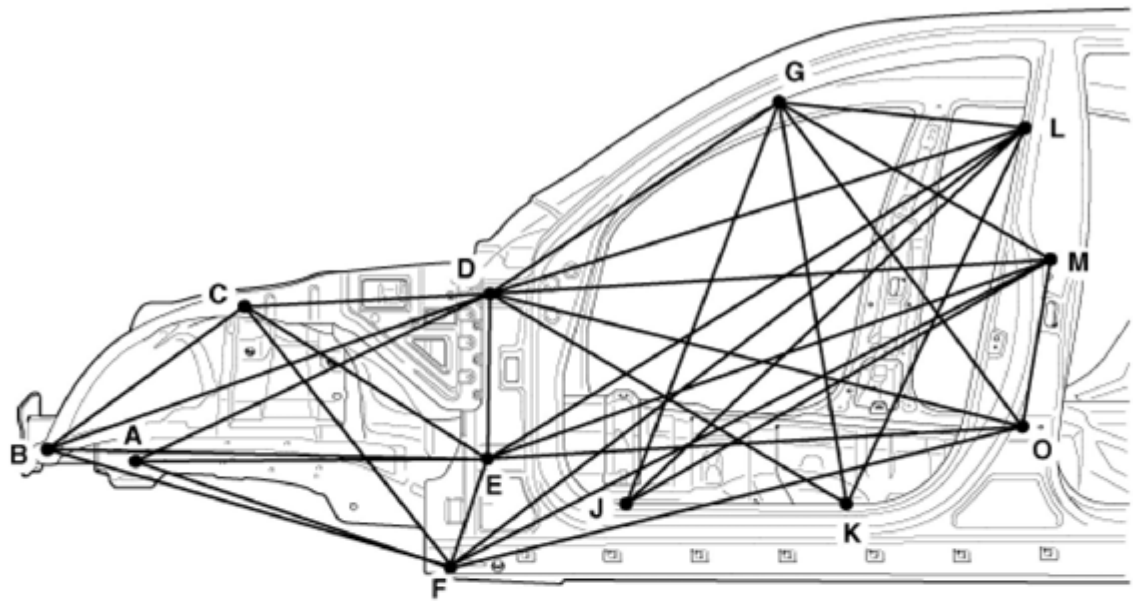
Crash member bracket tooling hole (ø9)



Crash member bracket tooling hole (ø9)

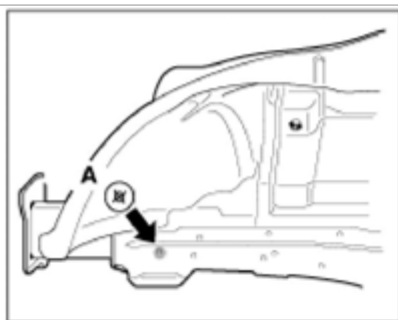
Body (Interior and Exterior) > Body Dimensions > Side Body > Body Repair

Side Body A

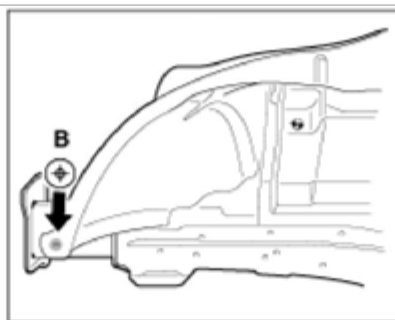


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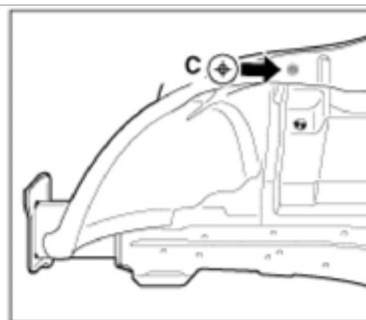
Point symbol	A-D	A-E	A-F	B-C	B-D	B-E	B-F	C-E
Length(mm)	1081	997	944	490	1015	958	914	51
Point symbol	C-F	D-E	D-G	D-K	D-L	D-M	D-O	E-F
Length(mm)	659	747	355	807	907	1255	1191	11
Point symbol	E-L	E-M	E-O	F-L	F-M	F-O	G-L	G-M
Length(mm)	249	1410	1265	1137	1612	1433	1253	97
Point symbol	G-K	G-O	J-L	J-M	K-L	M-O		
Length(mm)	923	529	671	885	1213	1011	963	36



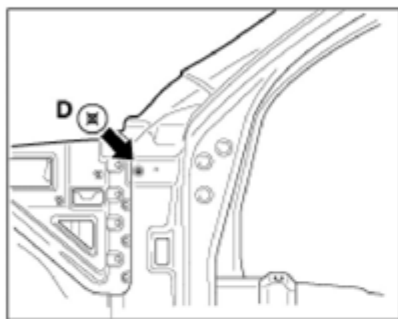
Front side member tooling hole
(ø8)



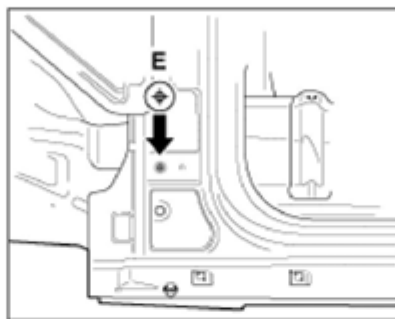
Fender apron panel tooling hole
(ø7)



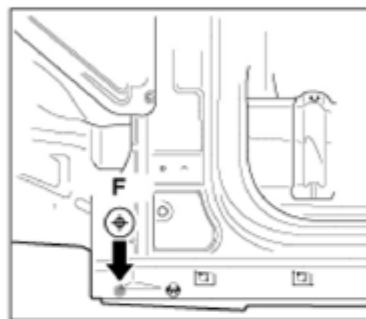
Fender apron panel tooling hole
(ø6)



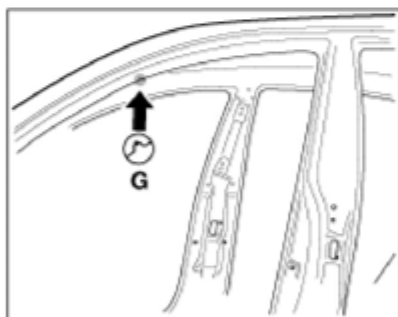
Front door hinge upper mounting
hole
(ø13)



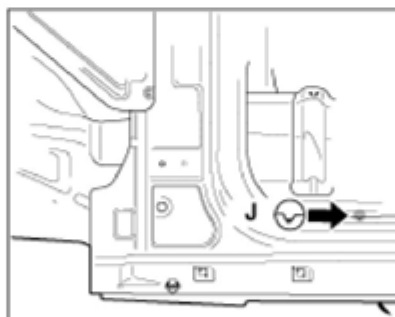
Front door hinge lower mounting
hole
(ø13)



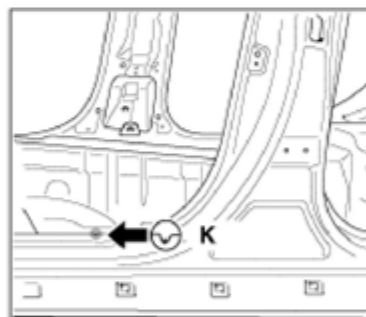
Fender mounting hole
(ø6)



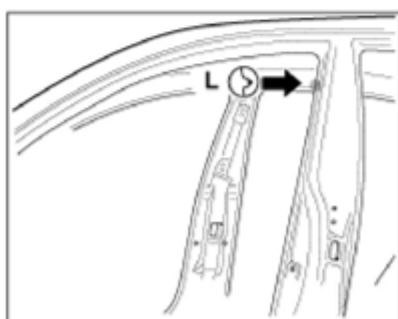
Side outer panel notch



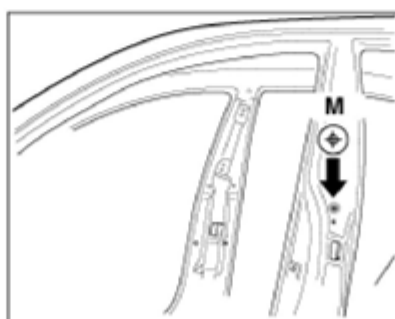
Side outer panel notch



Side outer panel notch



Side outer panel notch

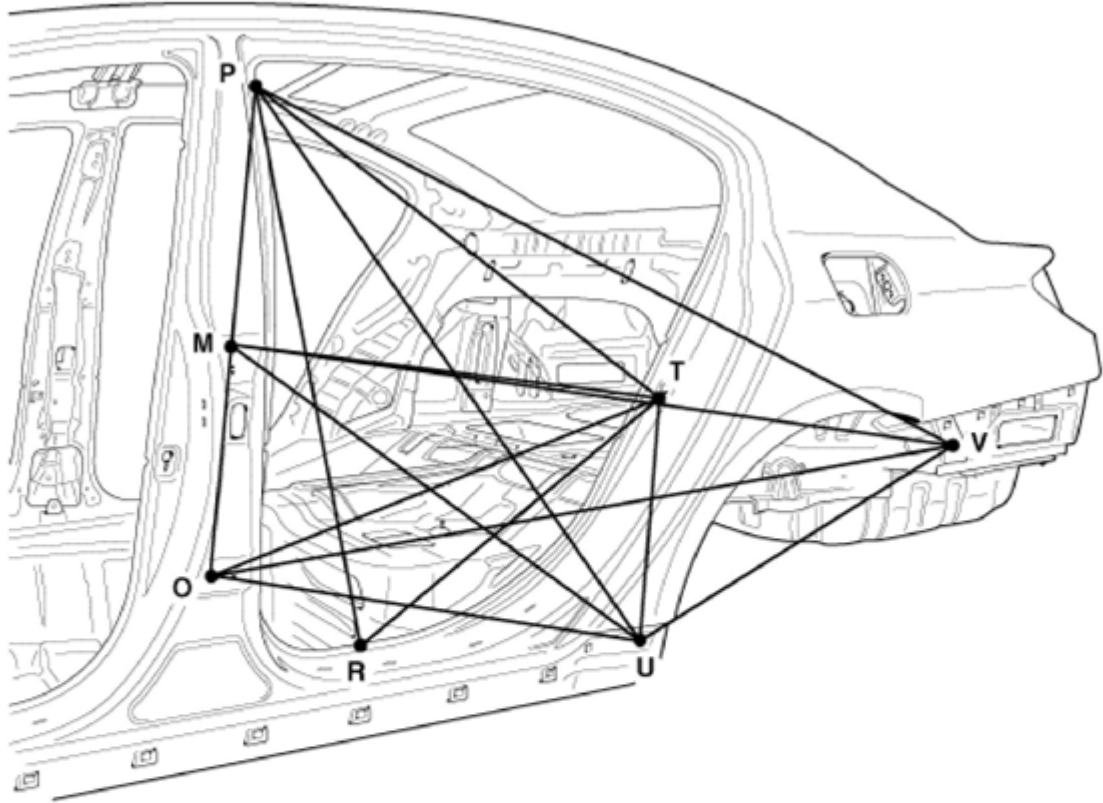


Rear door hinge upper mounting
hole
(ø13)



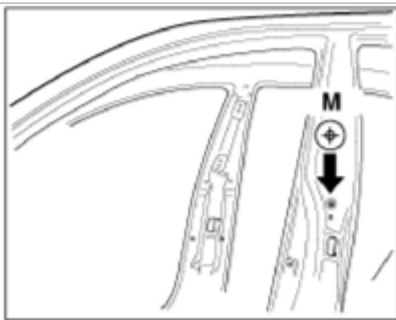
Rear door hinge lower mounting h
hole
(ø11)

Side Body B

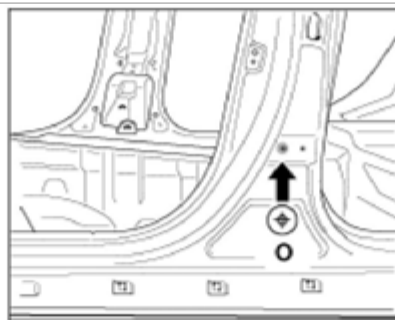


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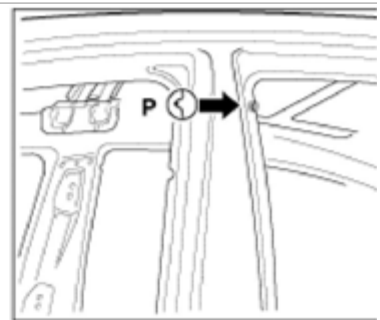
Point symbol	M-O	M-P	M-T	M-U	M-V	P-R	P-T	P
Length(mm)	360	494	891	940	1577	979	949	11
Point symbol	P-V	R-T	T-U	U-V				
Length(mm)	1599	747	455	867				



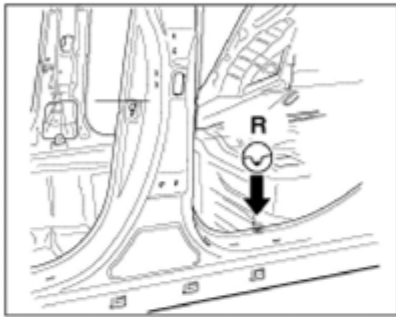
Rear door hinge upper mounting hole
(ø13)



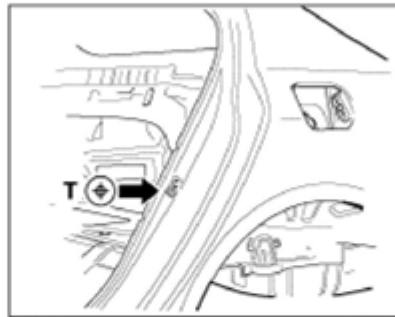
Rear door hinge lower mounting hole
(ø13)



Side outer panel notch



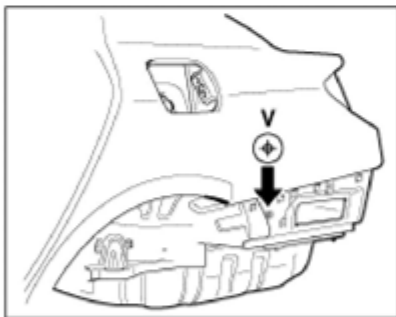
Side outer panel notch



Rear door switch mounting hole
(ø6.6)



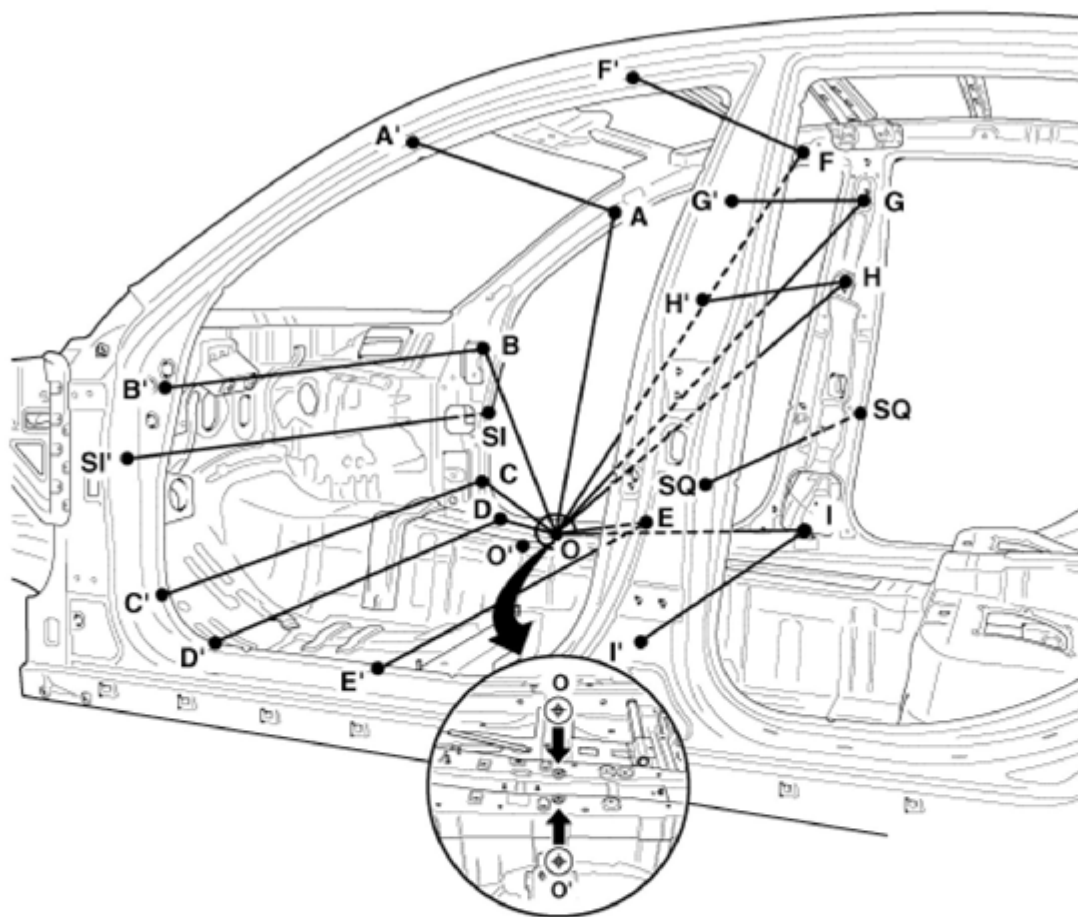
Side garnish mounting hole
(12X1)



Rear bumper mounting hole
(ø11)

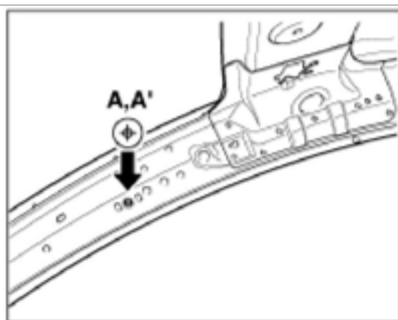
Body (Interior and Exterior) > Body Dimensions > Interior > Body Repair

Interior A

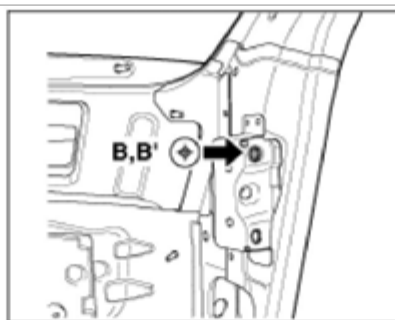


* These dimensions indicated in this figure are actual-measurement dimensions.

Point symbol	A-A'	B-B'	SI-SI'	C-C'	D-D'	E-E'	F-F'	G
Length(mm)	1284	1394	1567	1477	1438	1433	1123	12
Point symbol	H-H'	SQ-SQ'	I-I'	O-A O'-A'	O-B O'-B'	O-C O'-C'	O-D O'-D'	O-E
Length(mm)	1438	1582	1451	1000	942	885	851	68
Point symbol	O-F O'-F'	O-G O'-G'	O-H O'-H'	O-I O'-I'				
Length(mm)	1128	1171	1052	816				



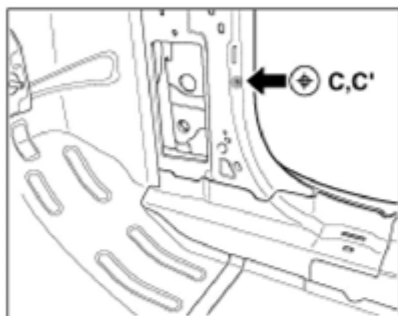
Front inner pillar tooling hole
(ø9)



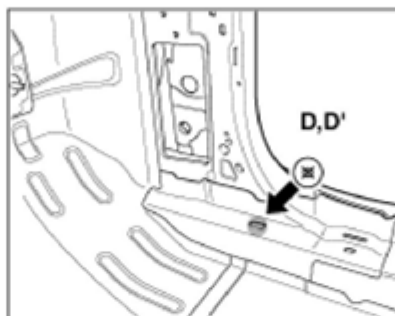
Cowl cross bar tooling hole
(ø15)



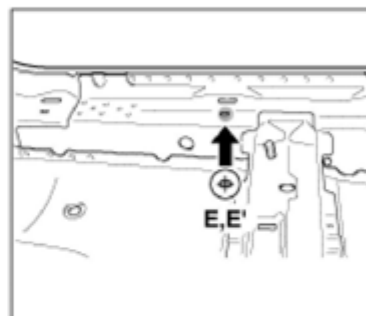
Front door checker mounting hole
(ø1)



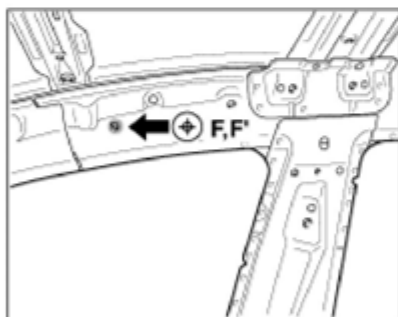
Cowl side trim mounting hole
(ø4)



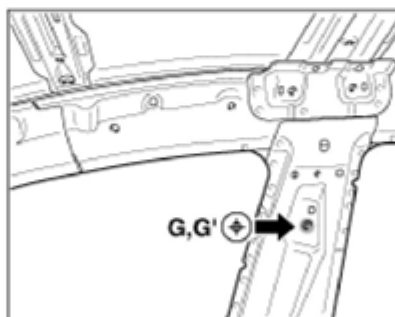
Front side sill inner panel tooling hole
(ø12X7)



Front side sill inner panel tooling hole
(ø12)



Front inner pillar tooling hole
(ø9)



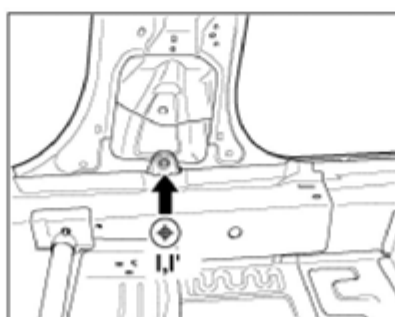
Seat belt height adjuster upper mounting hole
(ø13)



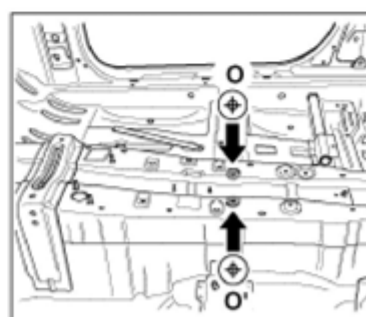
Seat belt height adjuster lower mounting hole
(ø1)



Rear door checker mounting hole
(ø11)

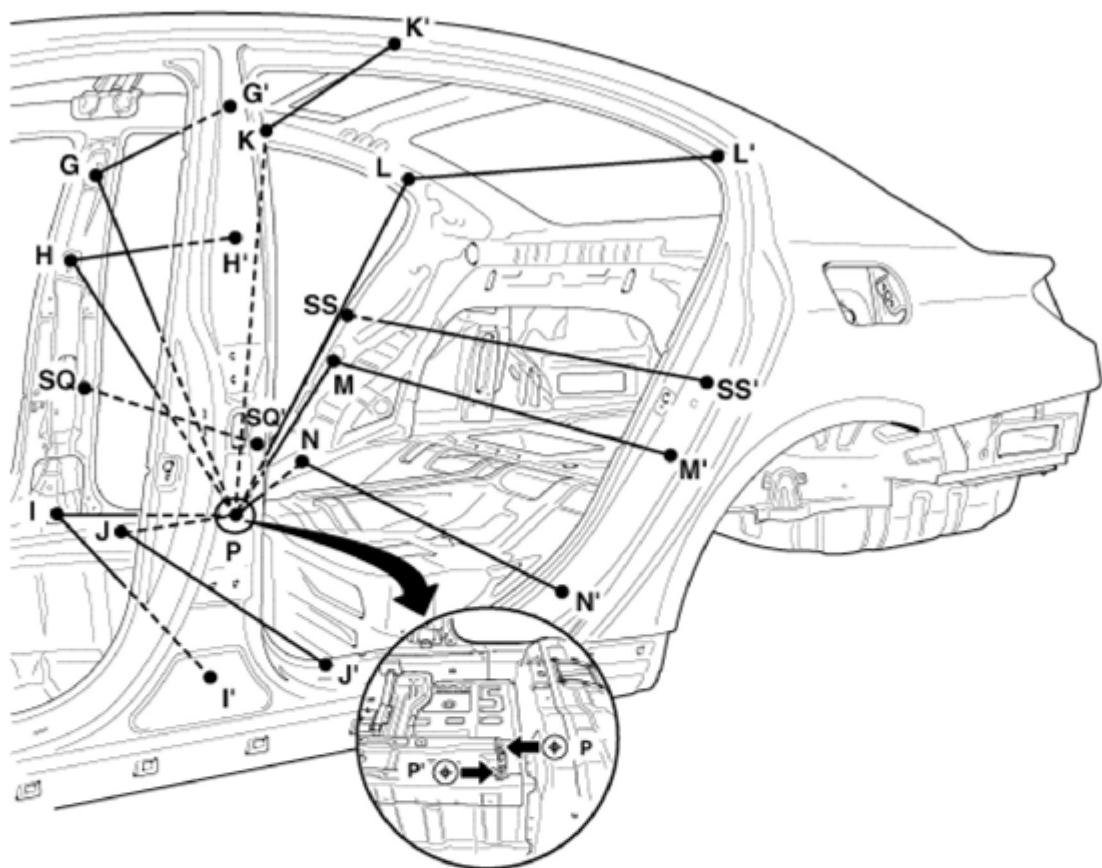


Seat belt retractor mounting hole
(ø11.5)



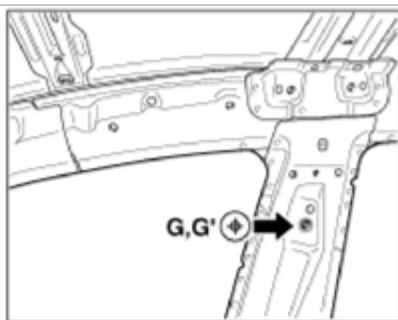
Center floor panel reinforcement tooling hole
(ø6)

Interior B



* These dimensions indicated in this figure are actual-measurement dimensions.

Point symbol	G-G'	H-H'	SQ-SQ'	I-I'	J-J'	K-K'	L-L'	SS
Length(mm)	1273	1438	1582	141	1483	1111	1248	16
Point symbol	M-M'	N-N'	P-G P'-G'	P-H P'-H'	P-I P'-I'	P-J P'-J'	P-K P'-K'	P-L
Length(mm)	1478	1182	1053	957	737	703	1145	13
Point symbol	P-M P'-M'	P-N P'-N'						
Length(mm)	1079	748						



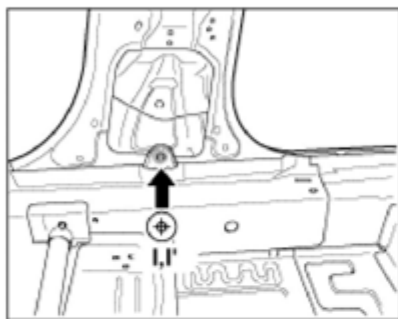
Seat belt height adjuster upper mounting hole (ø13)



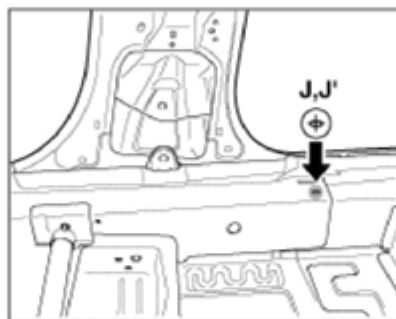
Seat belt height adjuster mounting hole (ø13)



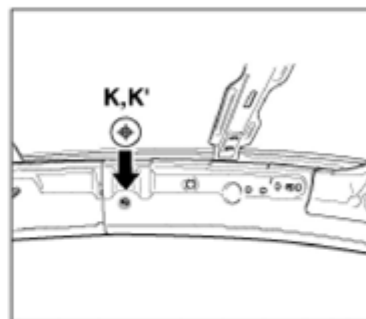
Rear door checker mounting hole (ø1)



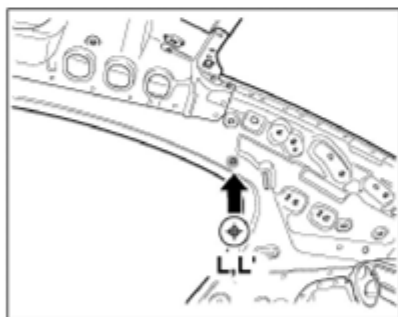
Seat belt retractor mounting hole (ø11.5)



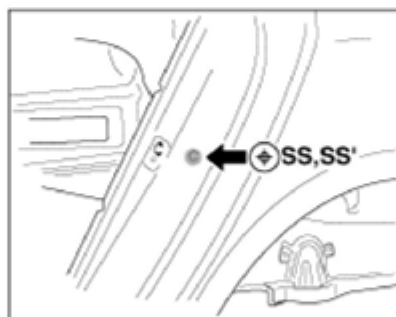
Front side sill inner panel tooling hole (ø12X7)



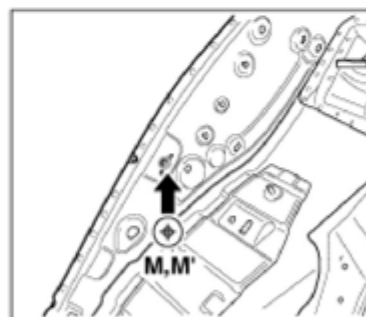
Quarter inner panel tooling hole (ø1)



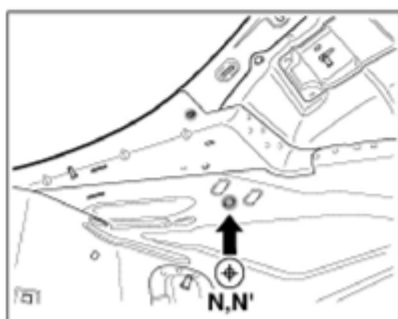
Quarter inner panel tooling hole (ø20)



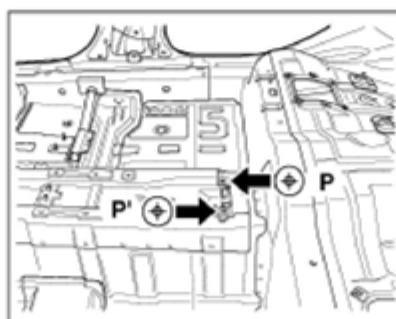
Rear door striker mounting hole (ø11)



Quarter inner panel tooling hole (ø8)

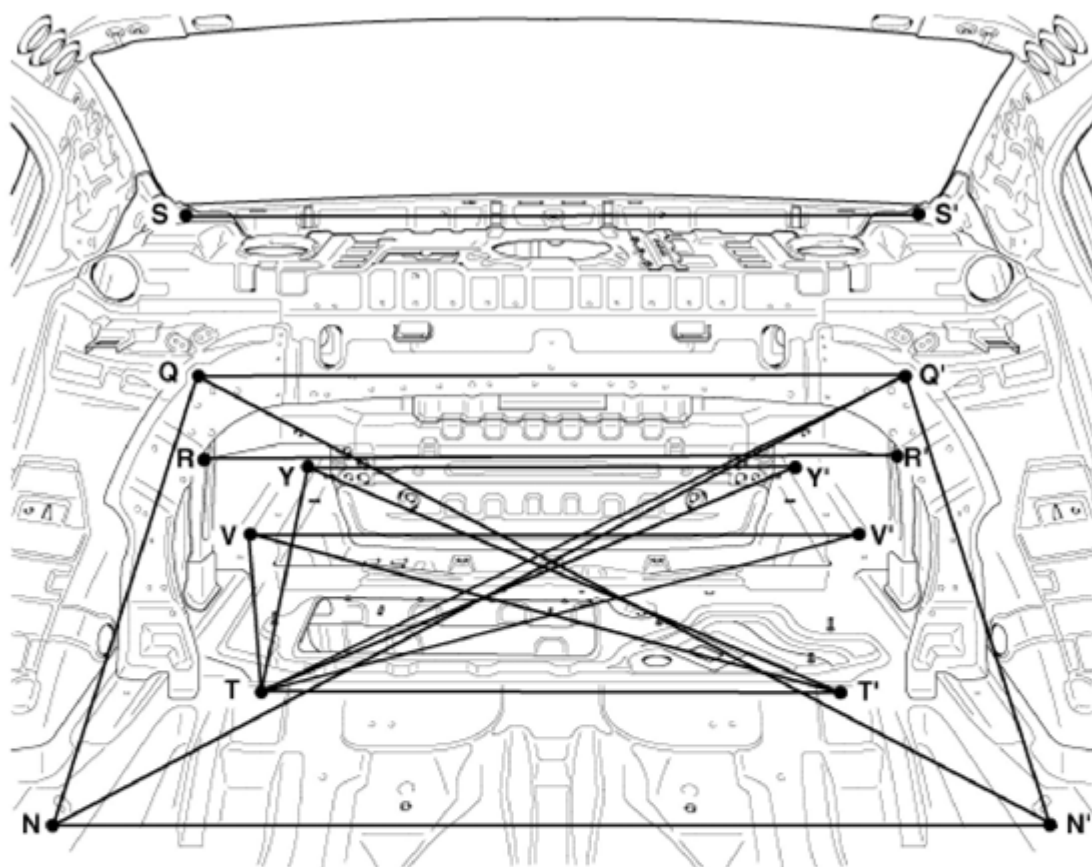


Floor panel tooling hole (ø12)



Floor panel reinforcement tooling hole (ø6.6)

Interior C



* These dimensions indicated in this figure are actual-measurement dimensions.

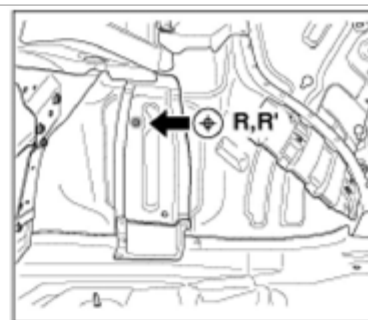
Point symbol	N-N'	N-Q N'-Q'	N-Q' N'-Q	Q-Q'	R-R'	S-S'	T-T'	T-V
Length(mm)	1182	613	1230	962	1012	1118	770	41
Point symbol	T-V' T'-V	T-Y T'-Y'	T-Y' T'-Y	V-V'	Y-Y'			
Length(mm)	1026	1079	1404	1051	1048			



Floor panel tooling hole
(ø12)



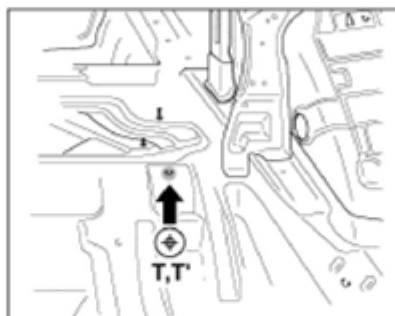
Quarter inner panel tooling hole
(ø9)



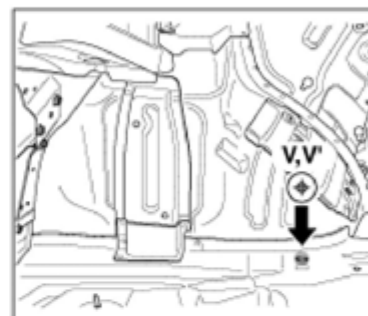
Quarter inner panel tooling hole
(ø9)



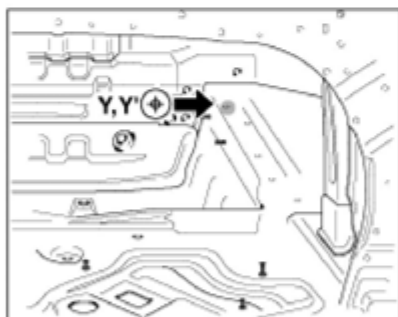
Package tray panel tooling hole
(ø10)



Floor panel tooling hole
(ø15)



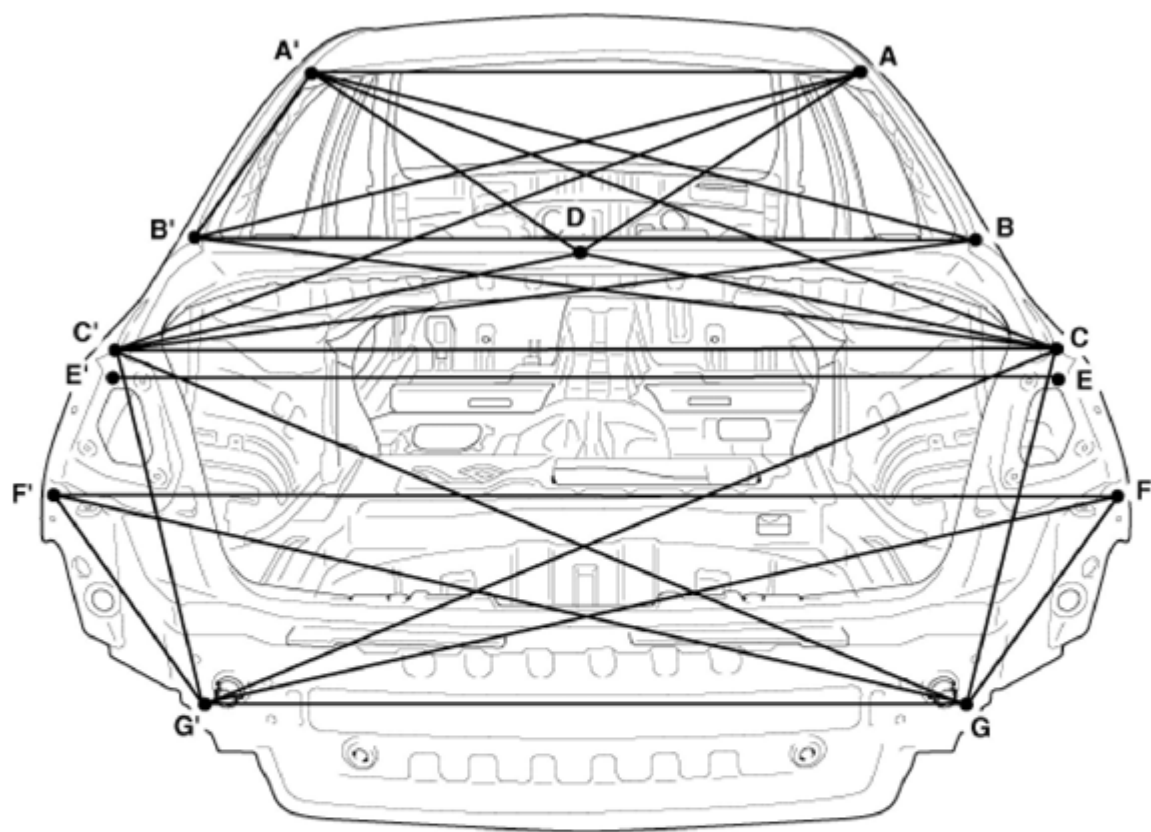
Spair tire wall tooling hole
(ø6)



Spair tire wall tooling hole
(ø6.6)

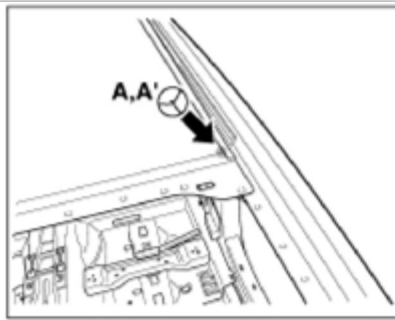
Body (Interior and Exterior) > Body Dimensions > Rear Body > Body Repair

Rear Body

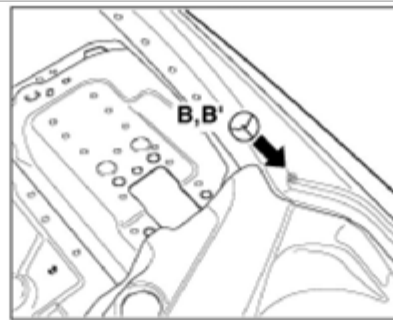


* These dimensions indicated in this figure are actual-measurement dimensions.

Point symbol	A-A'	A-B A'-B'	A-B' A'-B	A-C' A'-C	A-D A'-D	B-B'	B-C' B'-C	C
Length(mm)	1137	670	1396	1651	1016	1319	1408	13
Point symbol	C-D C'-D	C-G C'-G'	C-G' C'-G	E-E'	F-F'	F-G F'-G'	F-G' F'-G	G
Length(mm)	725	557	1354	1410	1586	396	1384	11



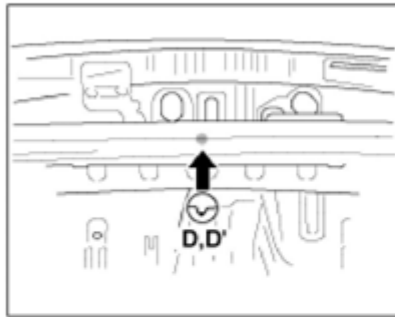
Roof panel rear corner (ø13)



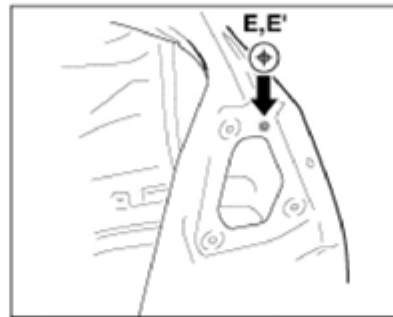
Side outer panel rear corner



Side outer panel rear corner



Package tray panel notch



Tooling hole (ø8)



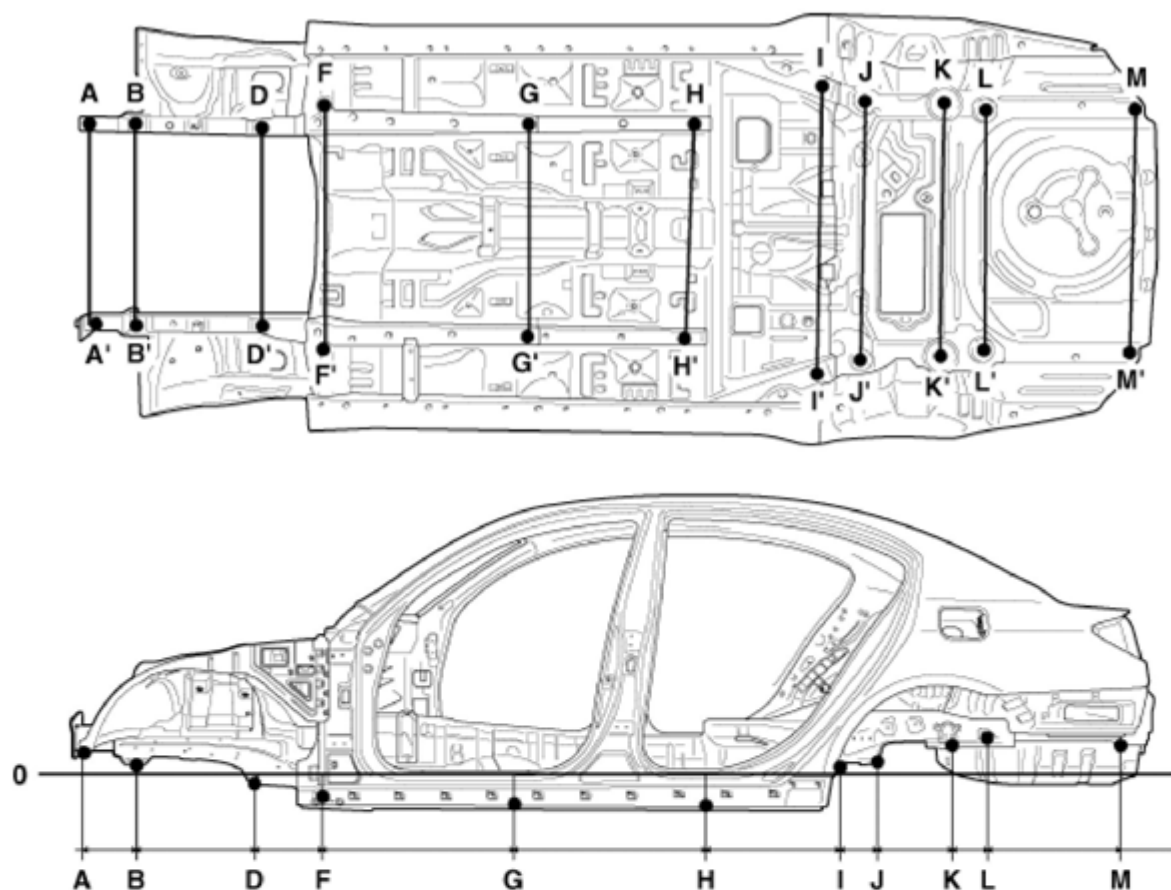
Tooling hole (ø8)



Back panel tooling hole (ø8)

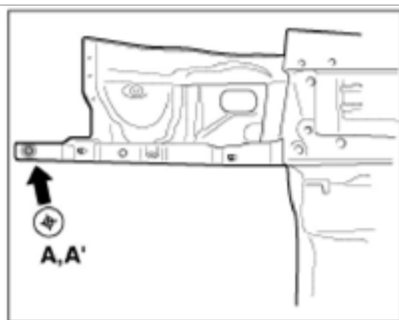
Body (Interior and Exterior) > Body Dimensions > Under Body > Body Repair

Projected Dimensions



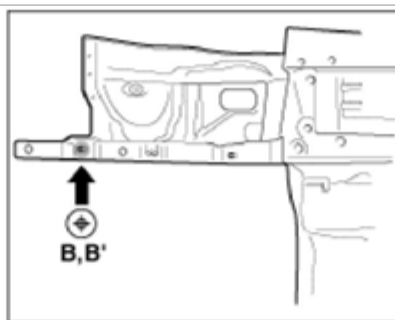
* These dimensions indicated in this figure are projected dimensions.

Point symbol	A-A'	B-B'	D-D'	F-F'	G-G'	H-H'	I-I'	J-J'
Length(mm)	880	868	818	1000	859	860	1206	10
Point symbol	K-K'	L-L'	M-M'	0-A	0-F	0-G	0-H	0
Length(mm)	1068	1014	1064	81.1	-118.6	-147.2	-151.9	16
Point symbol	0-K	0-M	A-B	B-D	D-F	F-G	G-H	H
Length(mm)	104.2	111.9	227	583	287	794	674	54
Point symbol	I-J	J-K	K-L	L-M				
Length(mm)	193	354	178	573				

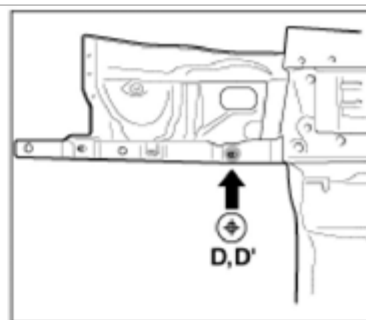


Tooling hole

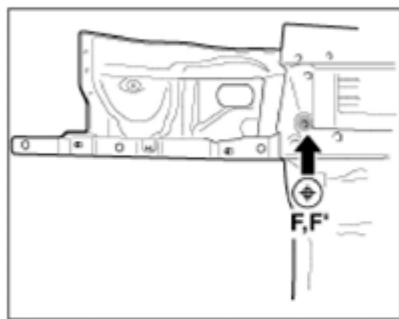
(ø25)



Sub frame mounting pipe

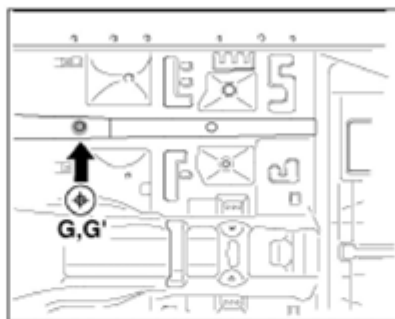


Sub frame mounting pipe



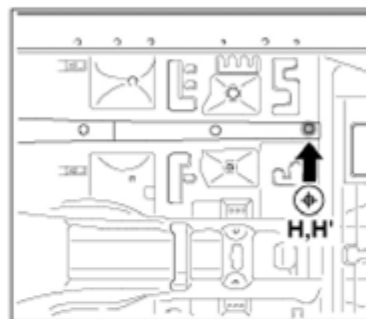
Tooling hole

(ø25)



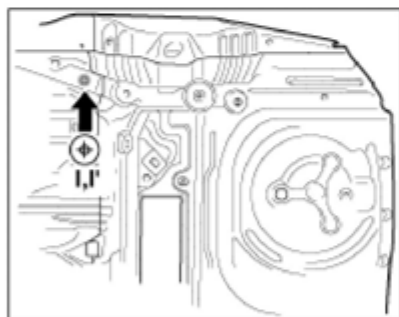
Tooling hole

(ø14)



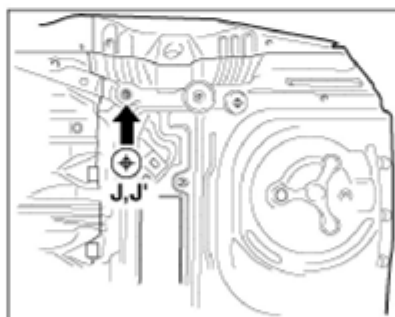
tooling & paint drain hole

(ø14)



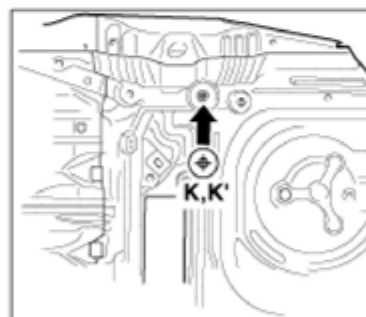
Tooling hole

(ø13)



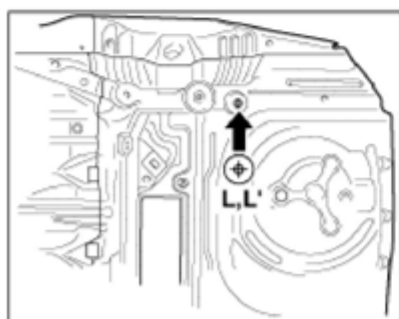
Tooling hole

(ø28)



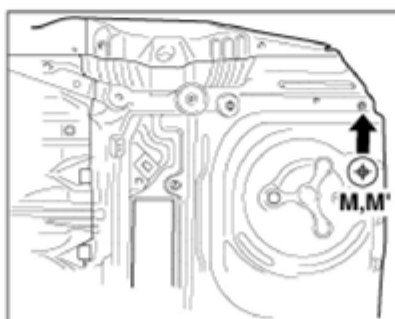
Spring mounting hole

(ø28)



Tooling hole

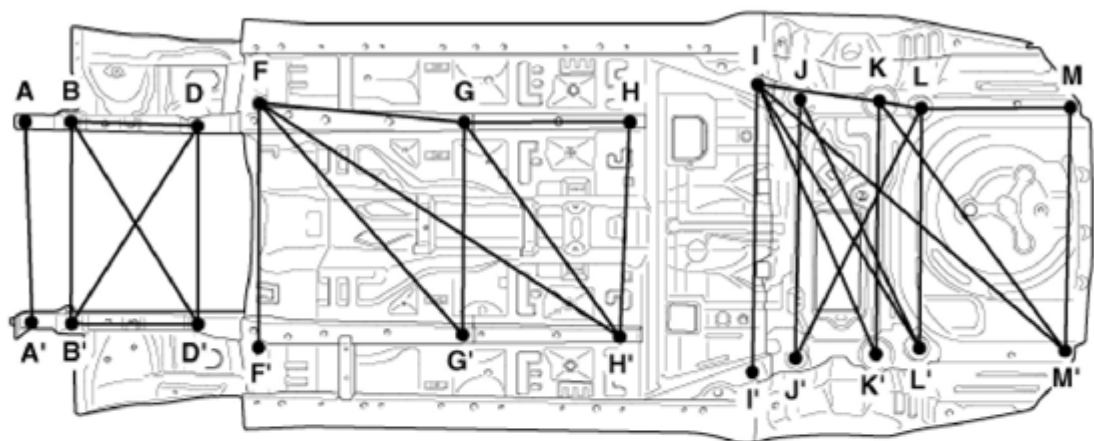
(ø28)



Tooling hole

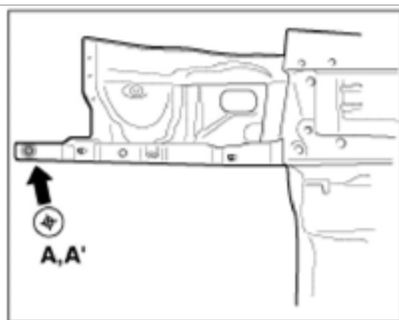
(ø11)

Actual Measurement Dimensions A



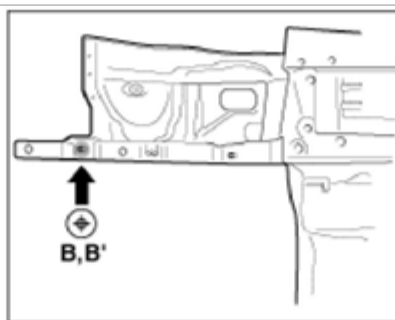
* These dimensions indicated in this figure are actual-measurement dimensions.

Point symbol	A-A'	B-D B'-D'	B-D' B'-D	D-D'	F-F'	F-G' F'-G'	F-G' F'-G	F-H'
Length(mm)	880	590	1029	818	1000	798	1223	17
Point symbol	G-G'	G-H G'-H'	G-H' G'-H	I-I'	I-K I'-K'	I-K' I'-K	I-M' I'-M	J-
Length(mm)	859	674	1092	1206	559	1265	1727	10
Point symbol	J-L J'-L'	J-L' J'-L	K-K'	K-M K'-M'	K-M' K'-M	L-L'	M-M'	
Length(mm)	537	1175	1068	751	1304	1014	1064	

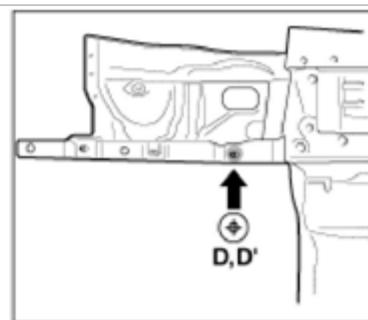


Tooling hole

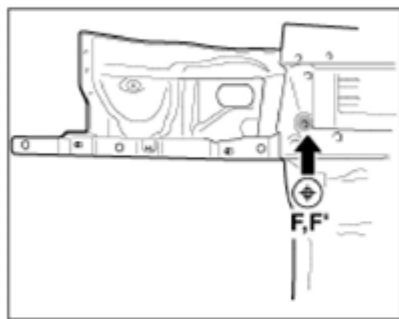
(ø25)



Sub frame mounting pipe

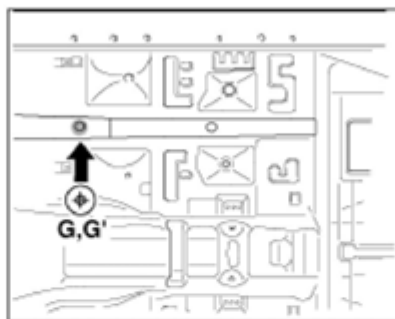


Sub frame mounting pipe



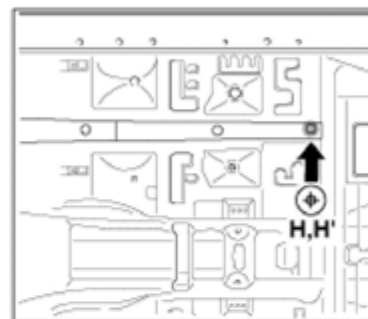
Tooling hole

(ø25)



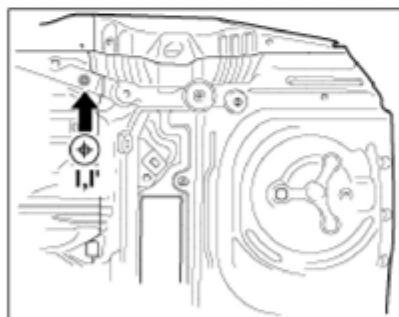
Tooling hole

(ø14)



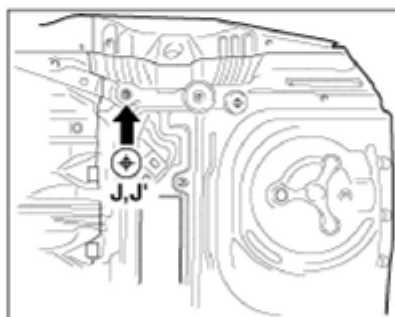
tooling & paint drain hole

(ø14)



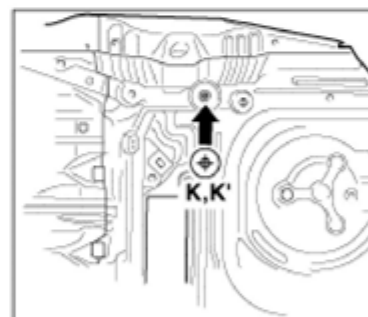
Tooling hole

(ø13)



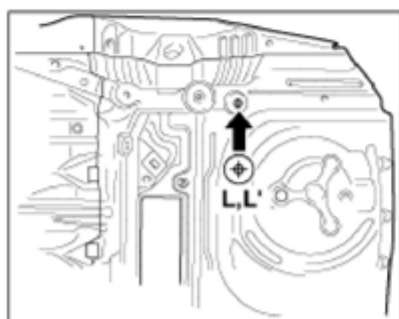
Tooling hole

(ø28)



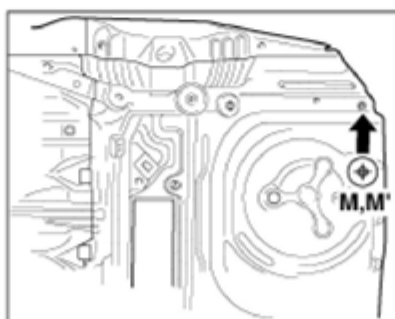
Spring mounting hole

(ø28)



Tooling hole

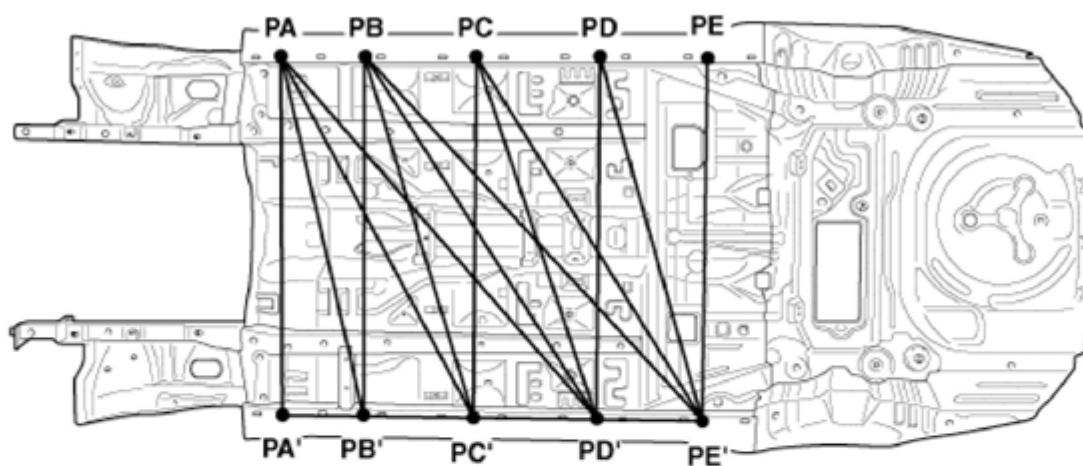
(ø28)



Tooling hole

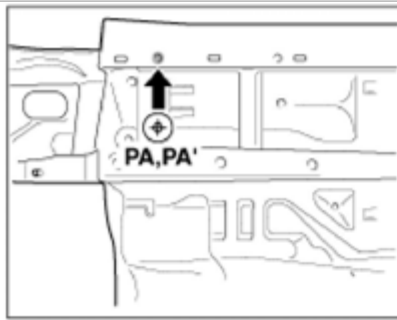
(ø11)

Actual Measurement Dimensions B

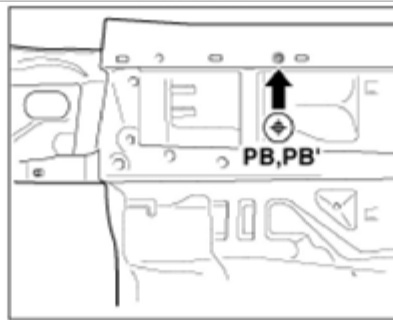


* These dimensions indicated in this figure are actual-measurement dimensions.

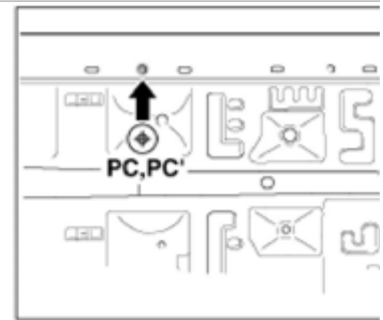
Point symbol	PA-PA'	PA-PB PA'-PB'	PA-PB' PA'-PB	PA-PC' PA'-PC	PA-PD' PA'-PD	PB-PB'	PB-PC PB'-PC'	PB-PC' PB'-PC
Length(mm)	1466	345	1506	1668	1957	1466	450	15
Point symbol	PB-PD' PB'-PD	PB-PE' PB'-PE	PC-PC'	PC-PD PC'-PD'	PC-PD' PC'-PD	PC-PE' PC'-PE	PD-PD'	PD-PE' PD'-PE
Length(mm)	1748	2015	1466	502	1550	1737	1466	15
Point symbol	PD-PE' PD'-PE							
Length(mm)	1528							



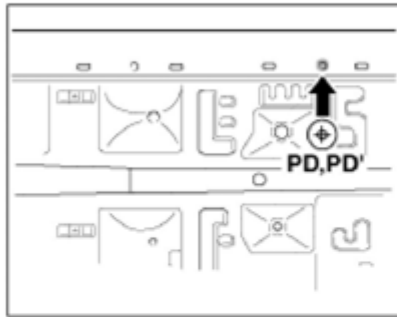
Body mounting bolt (ø14)



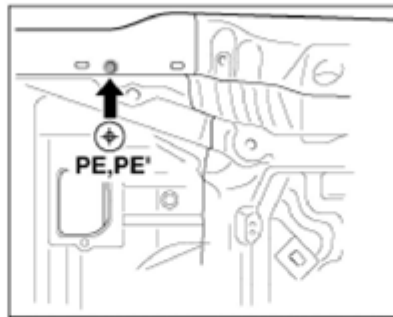
Body mounting bolt (ø14)



Body mounting bolt (ø14)



Body mounting bolt (ø14)



Body mounting bolt (ø14)

Body (Interior and Exterior) > Exterior > Fender > Repair procedures

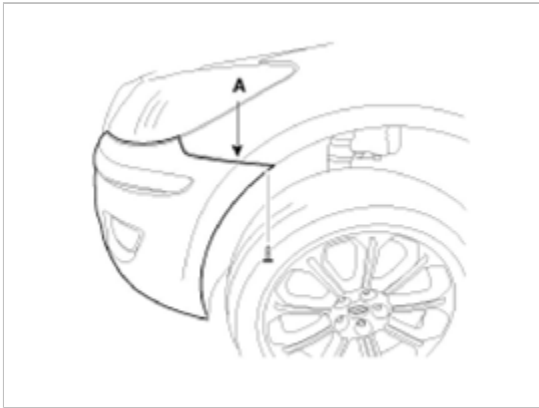
Replacement

NOTE

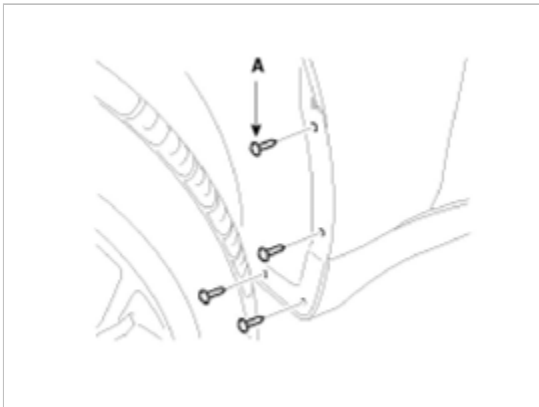
- Be careful not to damage the hood and body.

- Use a clip remover when removing clips.

1. Remove the front bumper mounting screw (A).



2. Loosening the fender mounting screws (A).



3. Remove the side seal garnish.

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



5. Installation is the reverse of removal.

Body (Interior and Exterior) > Exterior > Hood > Repair procedures

Replacement

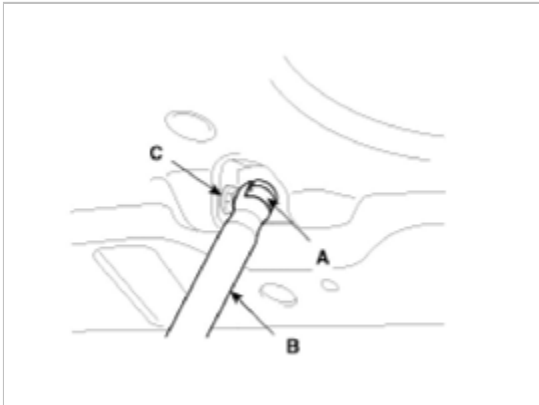
Hood Assembly Replacement

NOTE

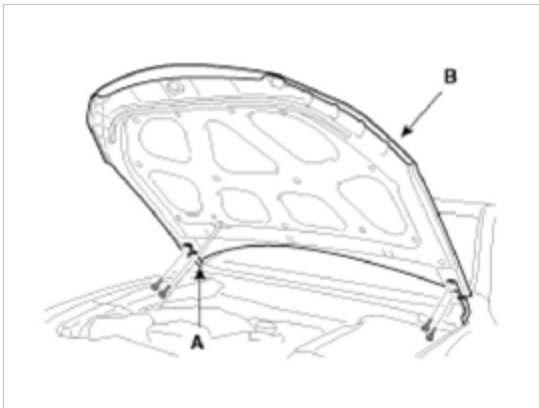
- When removing and installing the hood, an assistant is necessary.

- Be careful not to damage the hood and body.
- Use a clip remover to remove clips.

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



2. After loosening the hood hinge (A) mounting bolts, remove the hood panel (B).



3. Installation is the reverse of removal.

NOTE

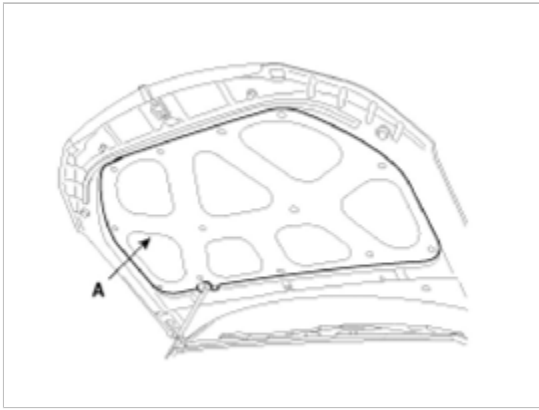
- Make sure the hood opens properly and locks securely.
- Adjust the hood alignment.

Hood Insulator Replacement

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

NOTE

- Be careful not to scratch the hood panel.



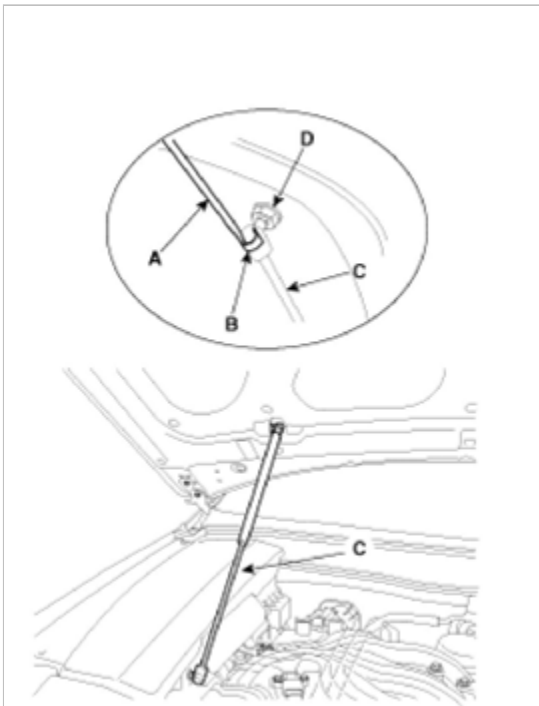
2. Installation is the reverse of removal.

NOTE

- Replace any damaged clips.

Hood Lift Replacement

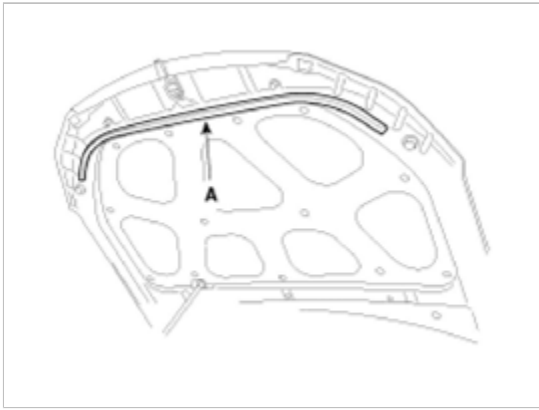
1. Using a screwdriver (A), lift the socket clips (B) up slightly on both ends of the lifter (D), and then remove the lifter from the bracket (C).



2. Installation is the reverse of removal.

Hood Seal Weatherstrip Replacement

1. Detach the clips, then remove the hood weatherstrip (A). Be careful not to scratch the hood.



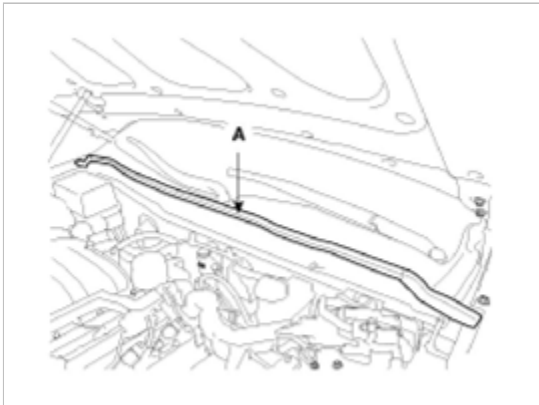
2. Installation is the reverse of removal.

NOTE

- Replace any damaged clips.

Hood Weatherstrip Replacement

1. Pull the weatherstrip (A) to remove it.



2. Installation is the reverse of removal.

NOTE

- Replace any damaged clips.

Hood Release Handle Replacement

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



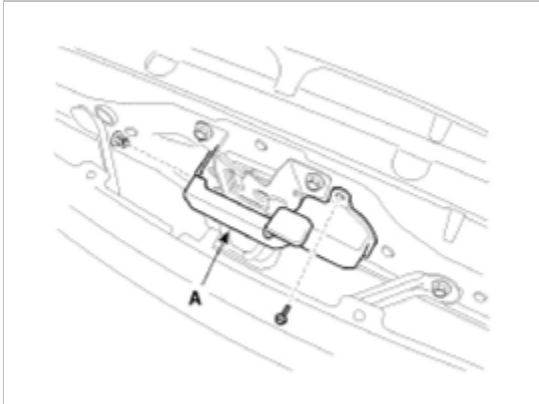
2. Installation is the reverse of removal.

NOTE

- Make sure the hood latch cable is connected properly.
- Make sure the hood locks securely.

Hood Latch Replacement

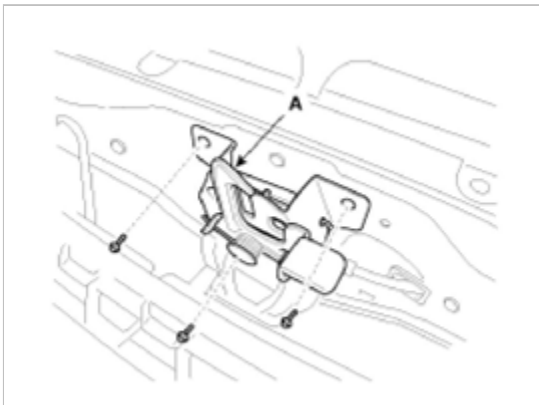
1. Remove the front bumper cover.
2. Remove the hood latch cover (A).



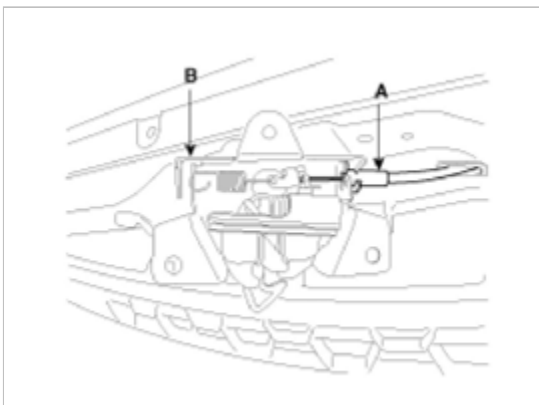
3. Remove the hood latch (A) mounting bolts.

Tightening torque :

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



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



5. Installation is the reverse of removal.

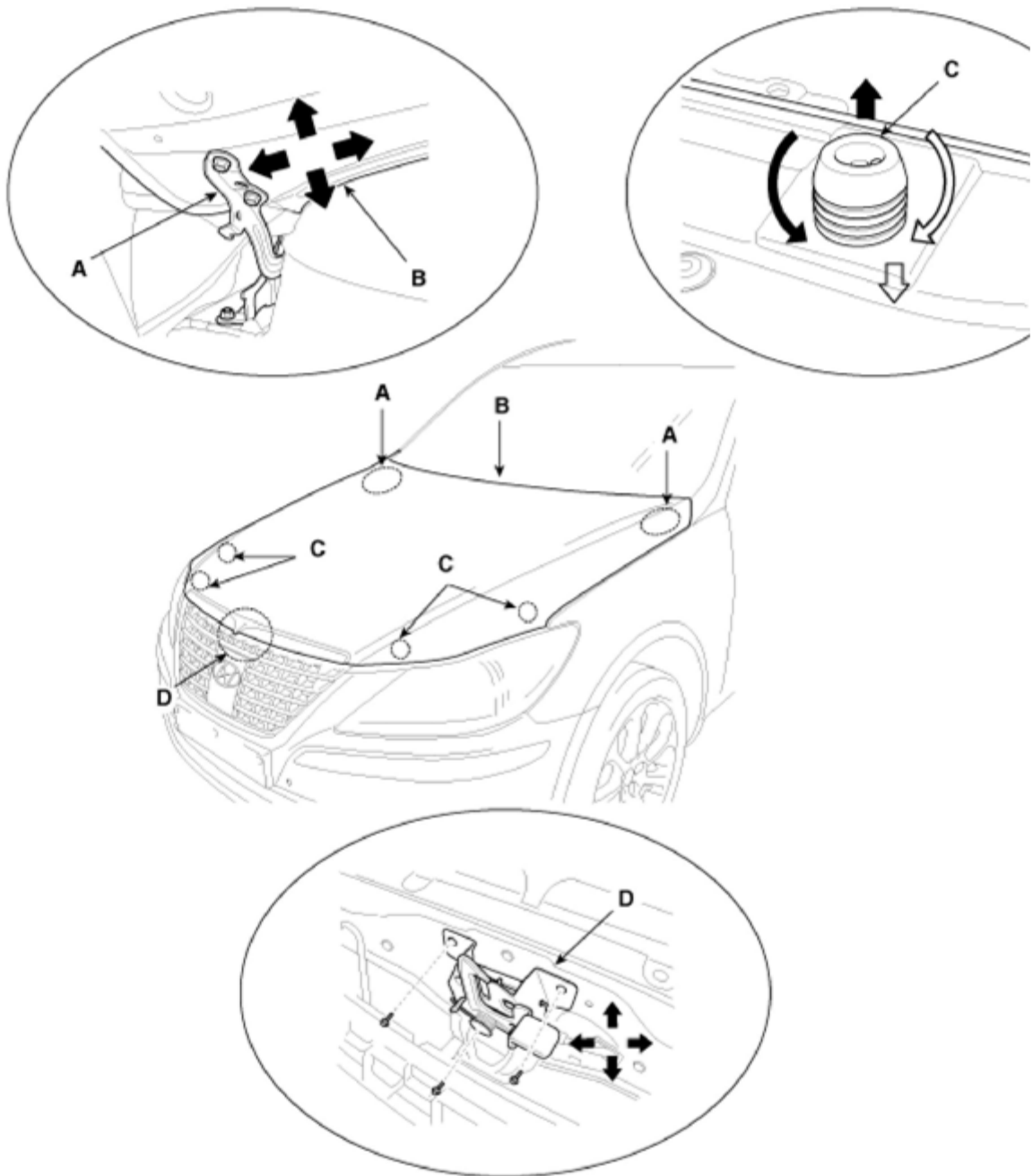
NOTE

- Make sure the hood latch cable is connected properly.
- Make sure the hood locks securely.

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.



Body (Interior and Exterior) > Exterior > Trunk Lid > Repair procedures

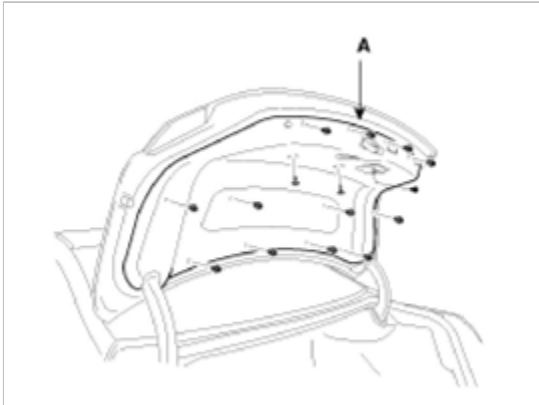
Replacement

Trunk Lid Assembly Replacement

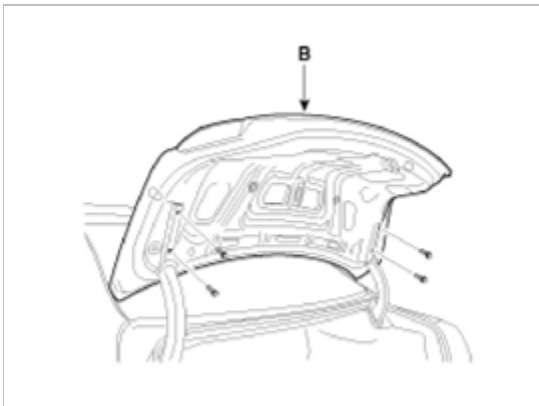
1. Detach the clips, then remove the trunk trim (A).

NOTE

- When removing and installing the trunk lid, an assistant is necessary.
- Wear gloves to protect hands from injury.



2. Disconnect the connectors.
3. After loosening the mounting bolts, remove the trunk lid (B).



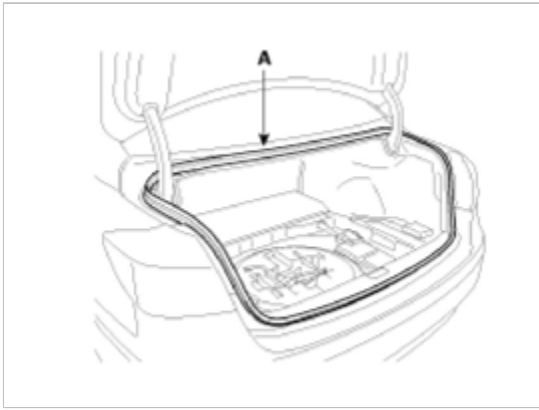
4. Installation is the reverse of removal.

NOTE

- Replace any damaged clips.

Trunk Lid Weatherstrip Replacement

1. Remove the trunk lid weatherstrip (A).



2. Installation is the reverse of removal.

Key Holder Replacement

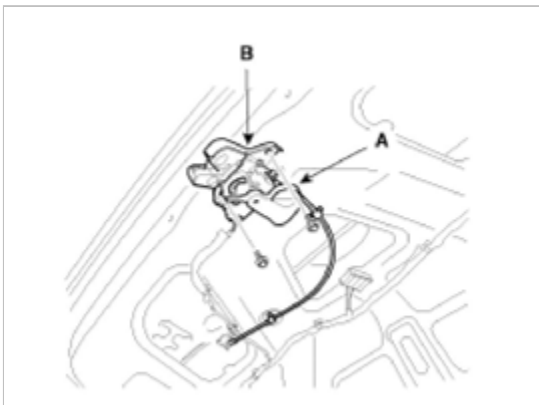
1. Remove the trunk lid trim.
2. Disconnect the inside handle cable (A), then loosen the key holder (B) mounting bolts and remove.



3. Installation is the reverse of removal.

Trunk Lid Latch Replacement

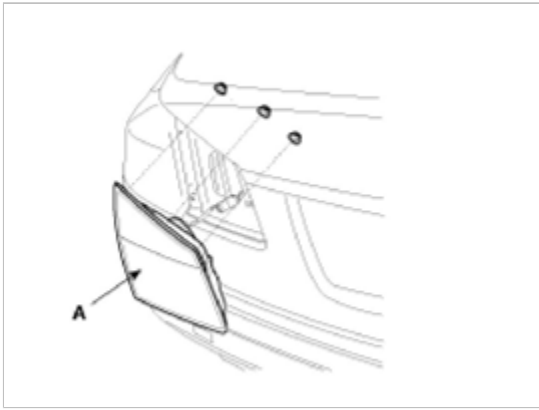
1. Remove the trunk lid trim.
2. Disconnect the cable (A).
3. After loosening the mounting bolt, then remove the latch assembly (B).



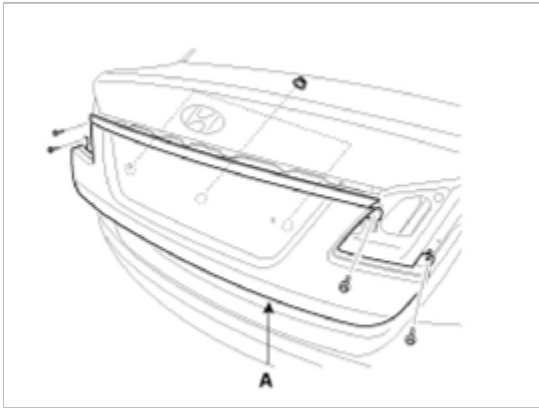
4. Installation is the reverse of removal.

Trunk Lid Panel Replacement

1. Remove the trunk lid trim.
2. Remove the rear combination lamp (A).



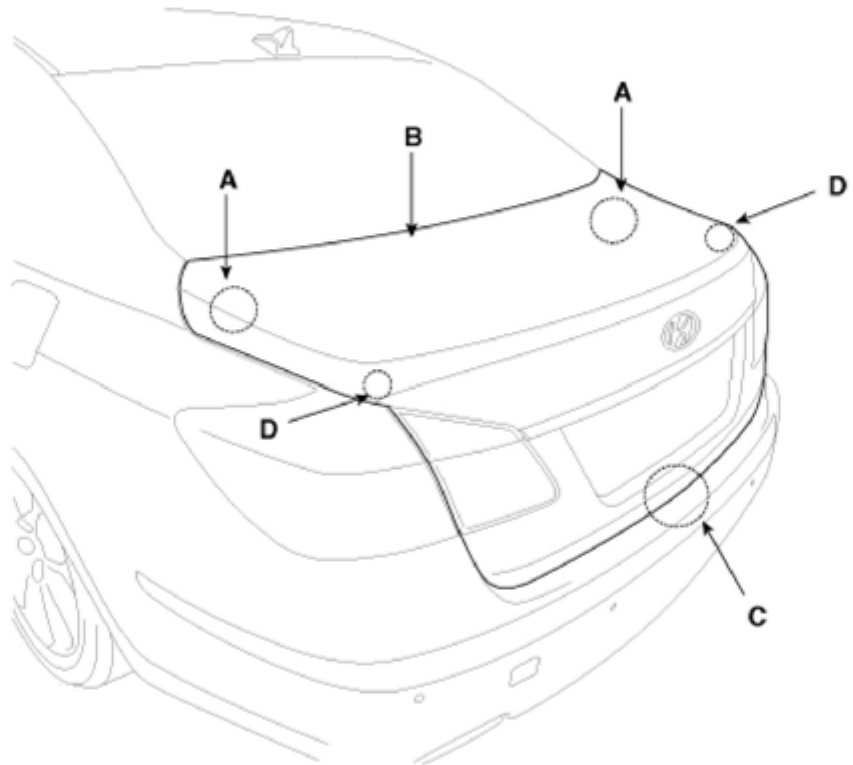
3. Remove the trunk lid panel (A).



4. Installation is the reverse of removal.

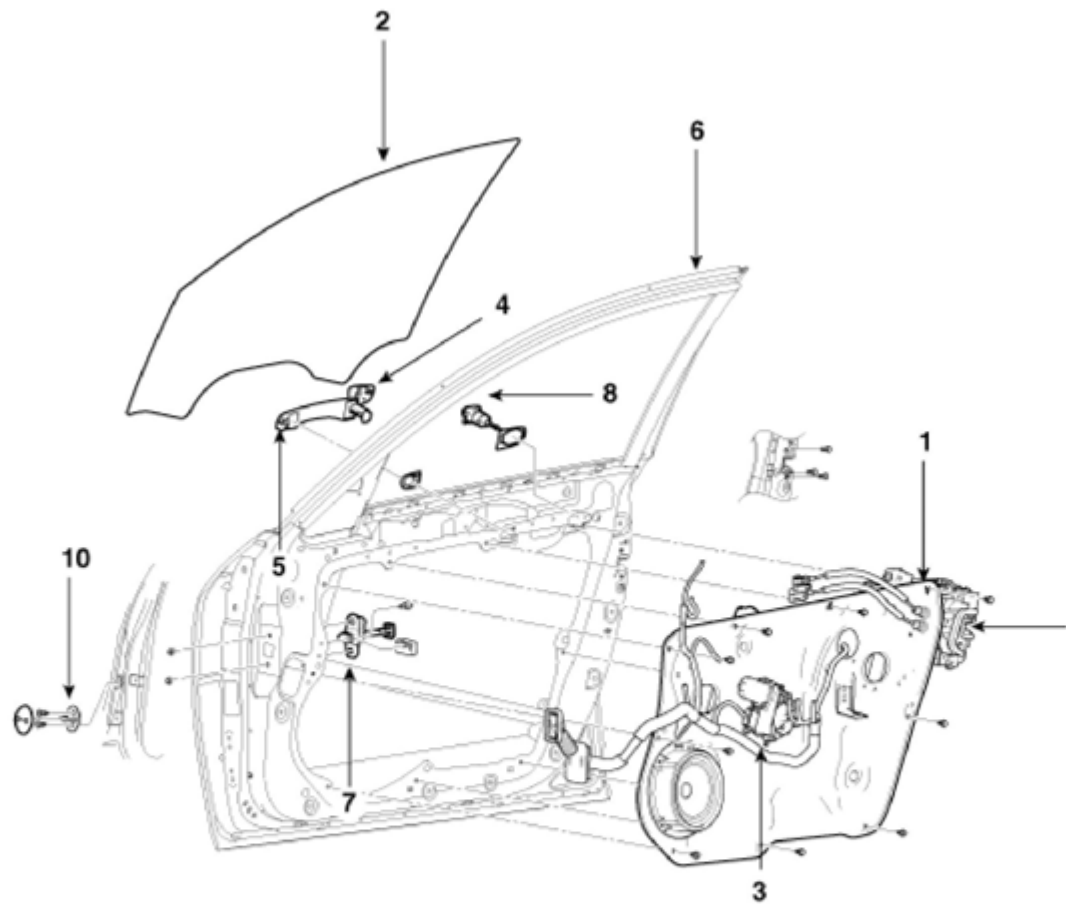
Adjustment

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



Body (Interior and Exterior) > Exterior > Front Door > Components and Components Location

Components



1. Door module
2. Window glass
3. Power window motor
4. Outside handle cover

5. Outside handle
6. Door panel
7. Door checker
8. Door key holder

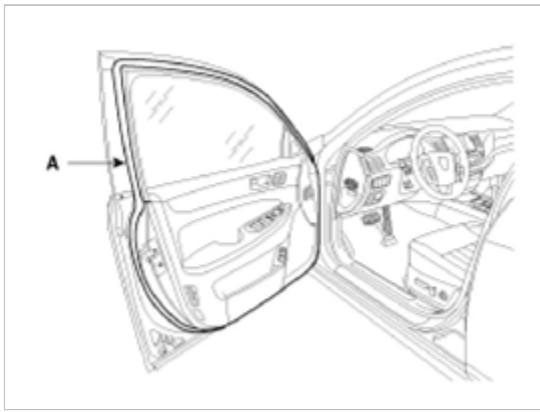
9. Door latch assembly
10. Door striker

Body (Interior and Exterior) > Exterior > Front Door > Repair procedures

Replacements

Door Weatherstrip Replacement

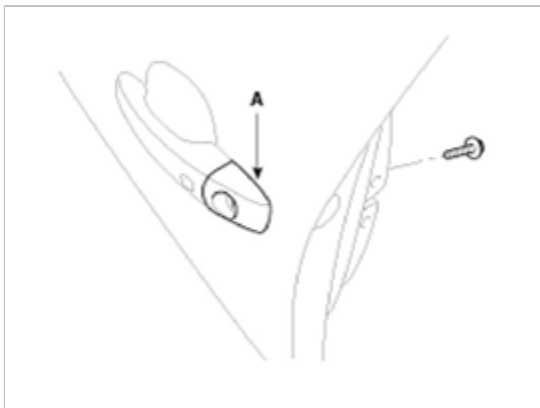
1. Loosen the checker mounting bolts.
2. Detach the clips, then remove the weatherstrip (A).



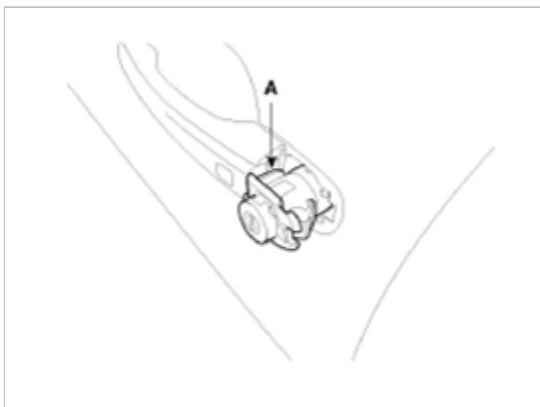
3. Installation is the reverse of removal.

Out Side Handle Replacement

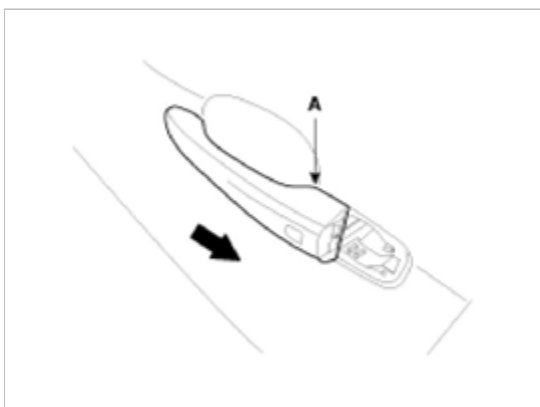
1. After loosening the mounting bolt, then remove the lock cylinder (A).



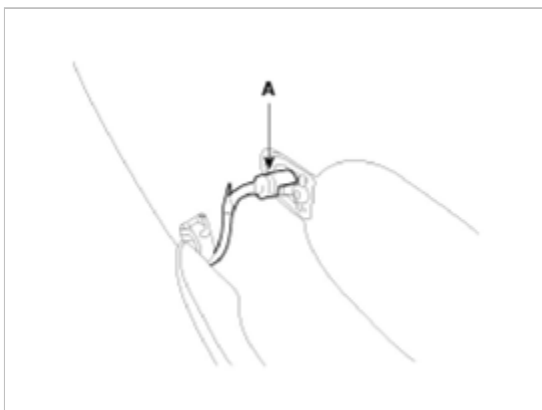
2. Remove the lock cylinder (A).



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



4. Disconnect the connector (A).



5. Installation is the reverse of removal.

NOTE

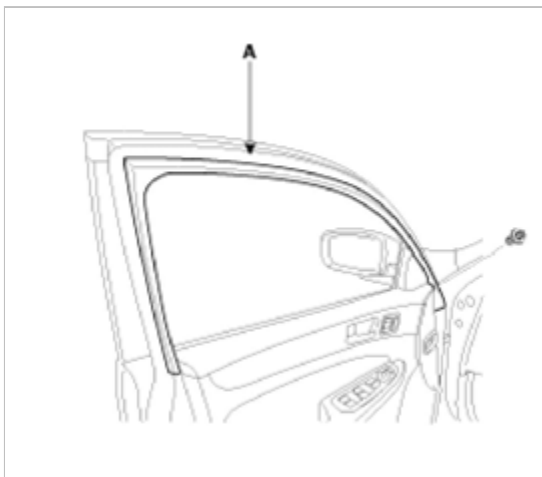
- Make sure door lock operates and door open/closes properly.

Door Trim Replacement

NOTE

- Be careful not to scratch the door trim and other parts.
- Put on gloves to protect your hands.

1. Remove the door trim upper cover (A).

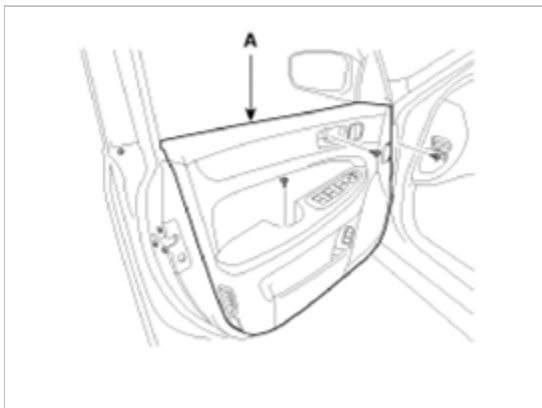


2. Disconnect the connector (A).

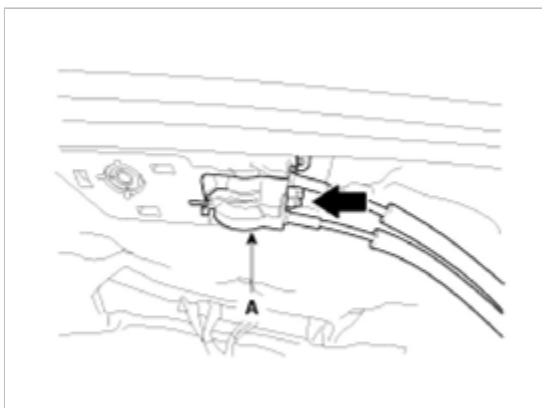


3. Loosen the door trim (A) mounting screws.

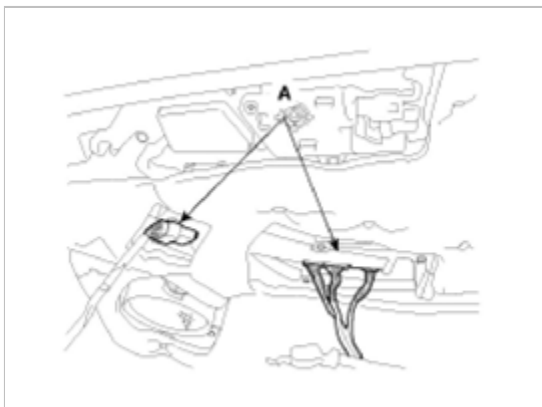
4. Release the clips that hold the door trim.



5. Remove the inside handle cages (A).



6. Disconnect the connectors (A).



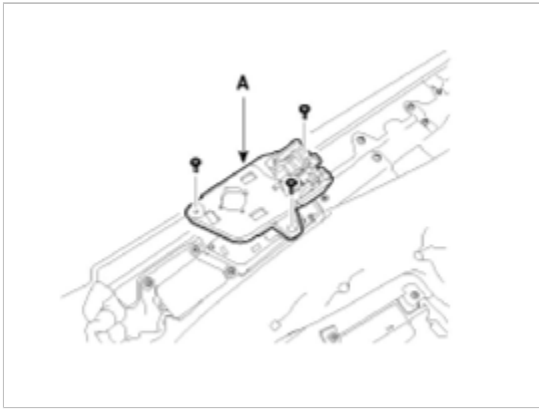
7. Installation is the reverse of removal.

NOTE

- Make sure of connectors are connected properly and each rod is connected securely.
- Make sure door lock operates and door open/closes properly.

Inside Handle Replacement

1. Remove the door trim
2. Loosen the mounting screw, then remove the inside handle (A).



3. Installation is the reverse of removal.

Glass Replacement

1. Remove the front door trim.
2. Remove the glass mounting hole plug (A).

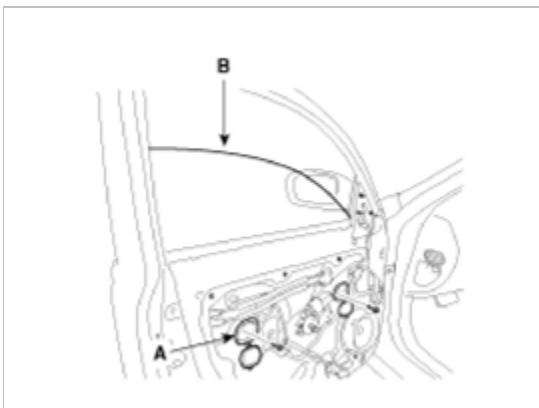
NOTE

- 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.

3. 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 :

8.8~11.8 N.m (0.9~1.2 kgf.m, 6.5~8.7 lb-ft)



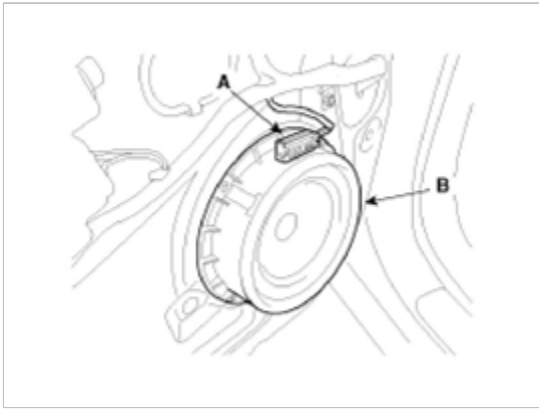
4. Installation is the reverse of removal.

NOTE

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

Speaker Replacement

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



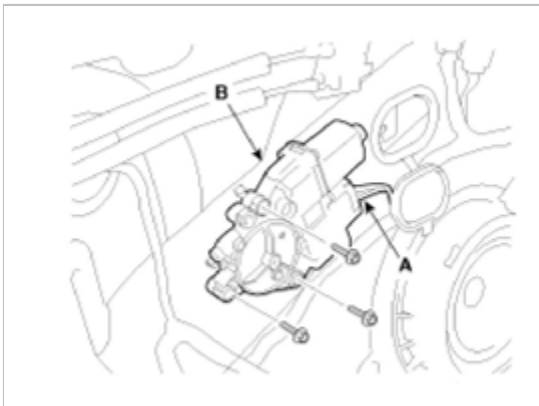
4. Installation is the reverse of removal.

NOTE

- Use sheet metal screws to secure the speaker.

Power Window Motor Replacement

1. Remove the door trim.
2. After disconnecting the connector (A), remove the power window motor (B).



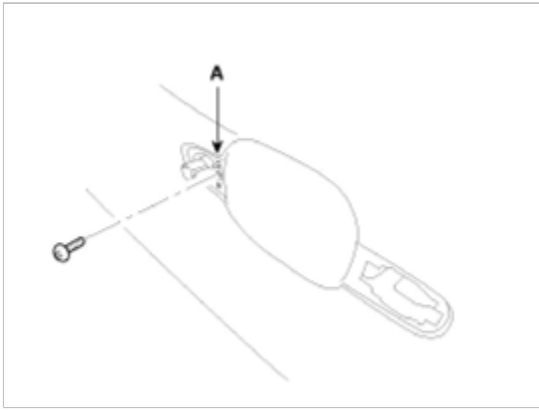
3. Installation is the reverse of removal.

NOTE

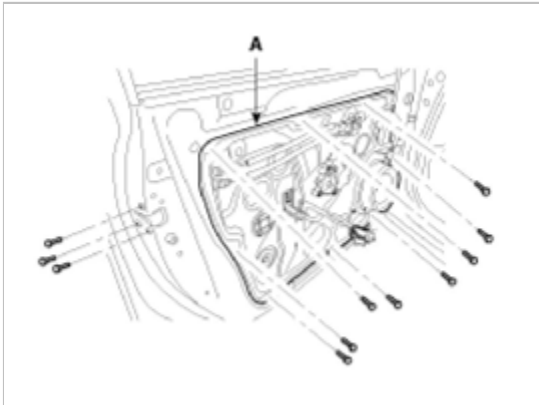
- Grease should be applied to areas where there are rotational parts and springs.
- Roll the glass up and down to see if it moves freely without binding.

Door Module Assembly Replacement

1. Remove the following parts:
 - A. Door trim
 - B. Window glass
 - C. Outside handle
2. Loosen the mounting screw (A).

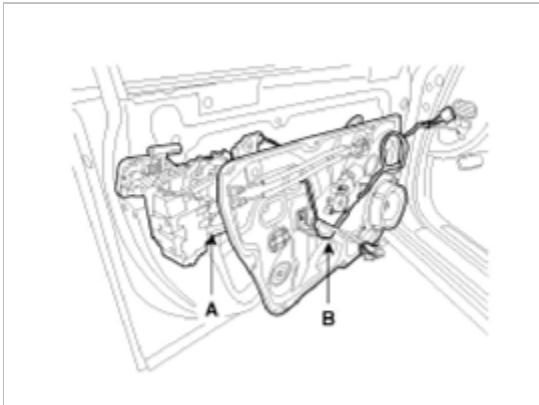


3. Loosen the door module mounting bolts, then remove the door module (A).



4. Loosen the door module mounting bolts, then remove the door module (A).

5. Disconnect the door module wiring harness (B), remove the module assembly.



6. Installation is the reverse of removal.

NOTE

- The area of whole parts should be applied with sufficient grease.
- Make sure connected are connected properly properly and each rod is connected securely.
- Make sure door lock operates and door open/closes properly.

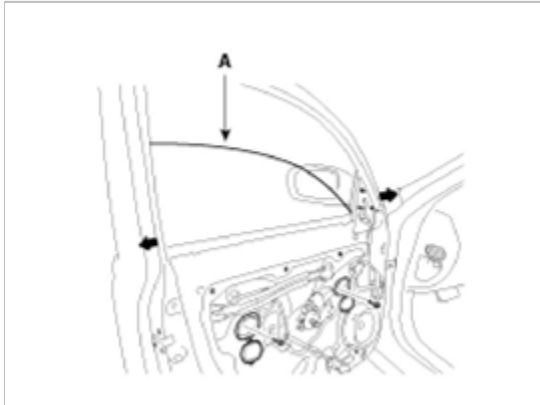
Adjustment

Glass Adjustment

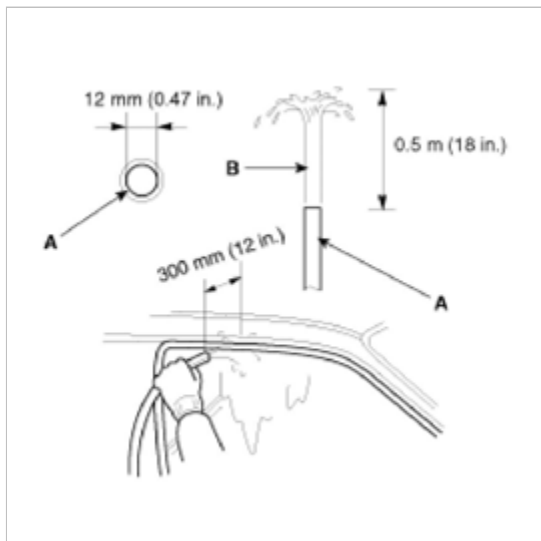
NOTE

- Check the glass run channel for damage or deterioration, and replace them as needed.

1. Remove the following parts:
 - A. Quadrant inner cover.
 - B. Door trim.
2. Carefully move the glass (A) until the glass mounting bolts are visible, then loosen them.



3. Check that the glass moves smoothly.
4. Raise the glass fully, and check for gaps. Check that the glass contacts the glass run channel evenly.
5. Check for water leaks. Run water over the roof and on the sealing area as shown, and note these items:
 - A. Use a 12mm (1/2in.) diameter hose (A).
 - B. Adjust the rate of water flow as shown (B).
 - C. Do not use a nozzle.
 - D. Hold the hose about 300mm(12in.) away from the door.



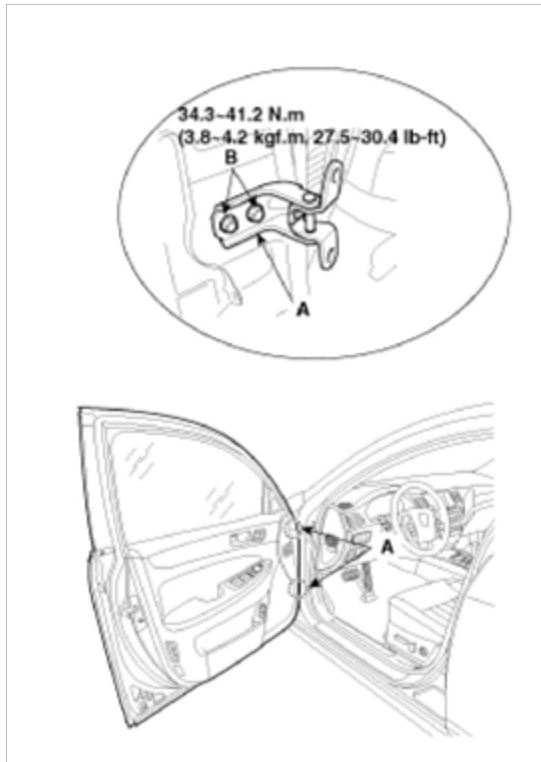
Door Position Adjustment

NOTE

- 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. Place the vehicle on a firm, level surface when adjusting the doors.
2. Adjust at the hinges (A):
 - A. Loosen the door mounting bolts (B) slightly, and move the door IN or OUT until it aligns flush with the body.
 - B. Loosen the hinge mounting bolts slightly, and move the door BACKWARD or FORWARD, UP or DOWN as necessary to equalize the gaps.

C. Place a shop towel on the jack to prevent damage to the door when adjusting the door.

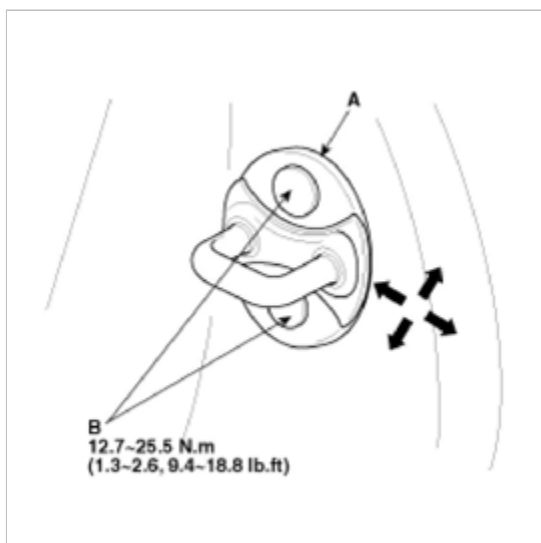


3. Check that the door and body edges are parallel.
4. Grease the pivot portions of the hinges indicated by the arrows.
5. Check for water leaks.

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), then insert a shop towel between the body and striker.

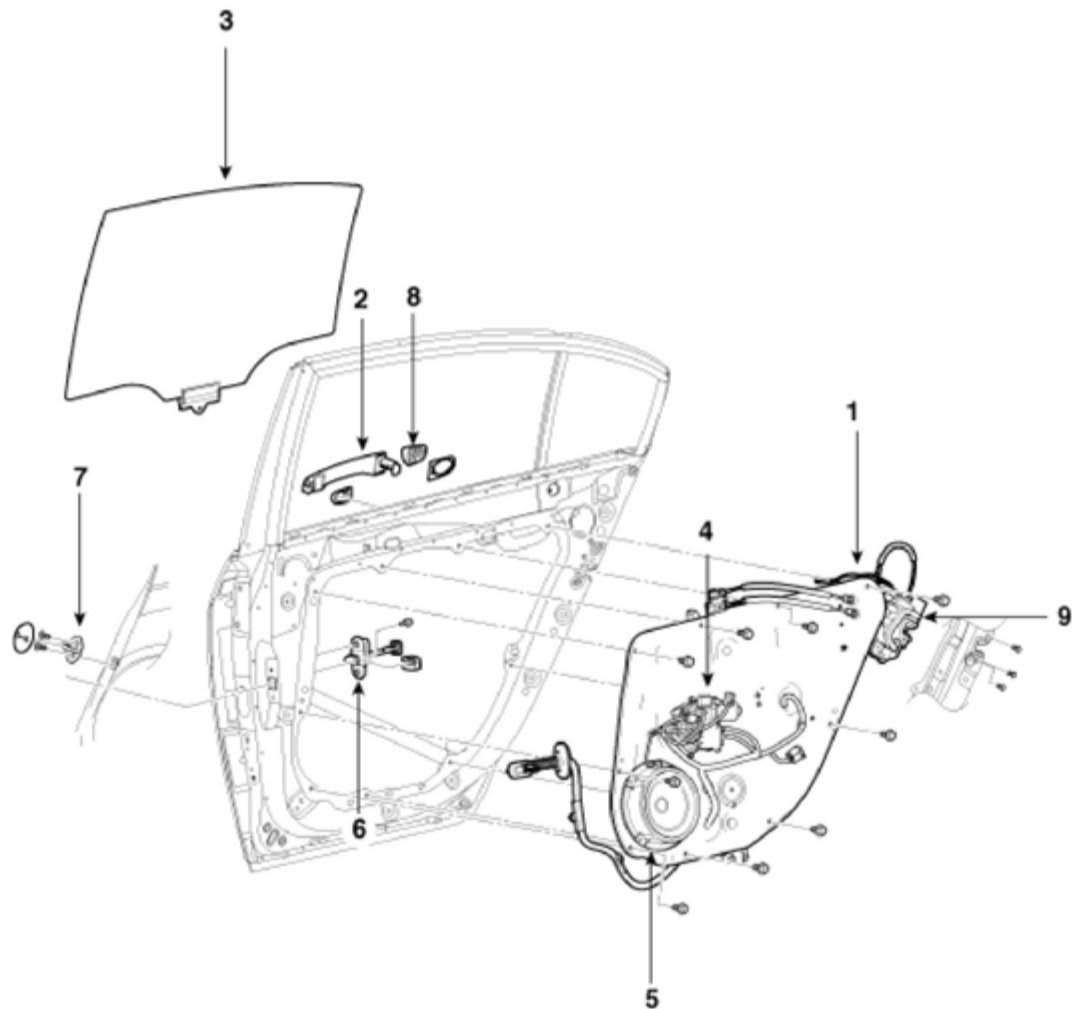


2. Lightly tighten the screws.
3. Wrap the striker with a shop towel, then adjust the striker by tapping it with a plastic hammer. Do not tap the striker too hard.
4. Loosen the screws and remove the shop towel.
5. Lightly tighten the screws.
6. Hold the outer handle out, and push the door against the body to be sure the striker allows a flush fit. If the

door latches properly, tighten the screws and recheck.

Body (Interior and Exterior) > Exterior > Rear Door > Components and Components Location

Components



- 1. Door module
- 2. Outside handle
- 3. Window glass

- 4. Power window motor
- 5. Door speaker
- 6. Door checker

- 7. Door striker
- 8. Cover
- 9. Door latch

Body (Interior and Exterior) > Exterior > Rear Door > Repair procedures

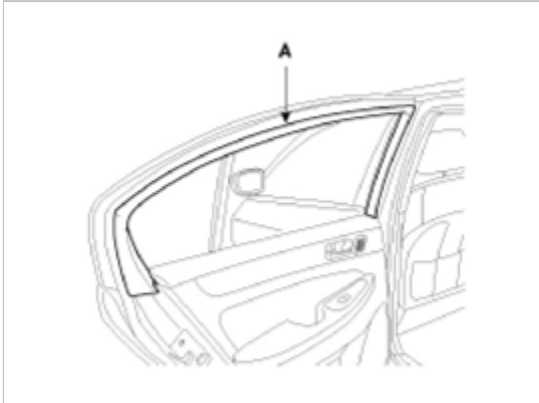
Replacement

Door Trim Replacement

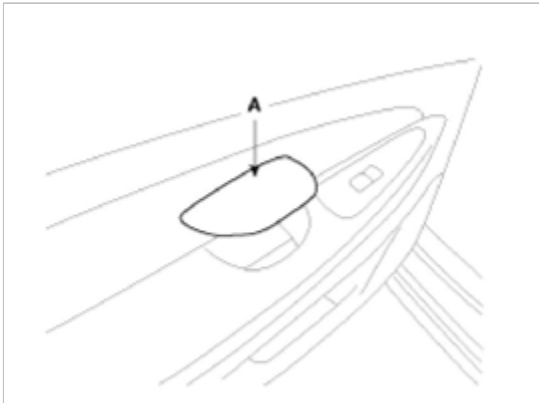
NOTE

- Be careful not to scratch the door trim and other parts.
- Put on gloves to protect your hands.

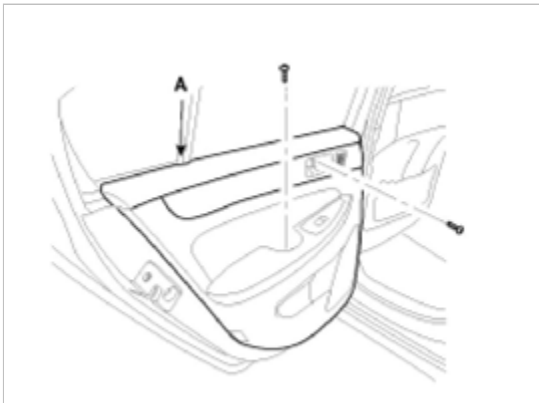
1. Remove the door trim upper cover (A).



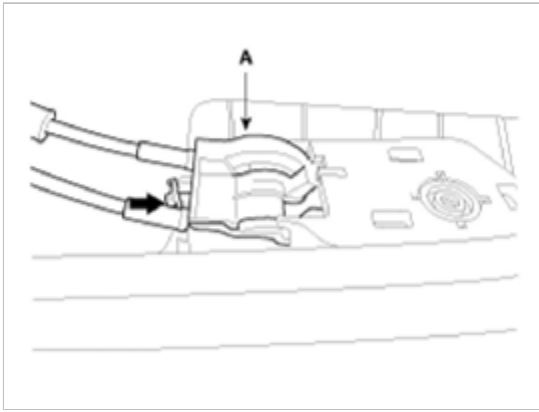
2. Remove the cover (A).



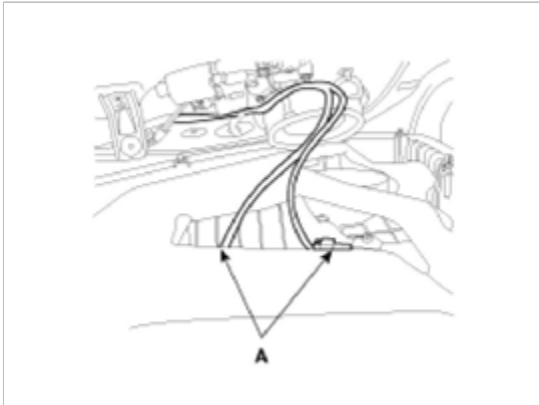
3. Loosen the door trim (A) mounting screws. Release the clips that hold the door trim.



4. Disconnect the inside handle cage (A).



5. Disconnect the connectors (A).



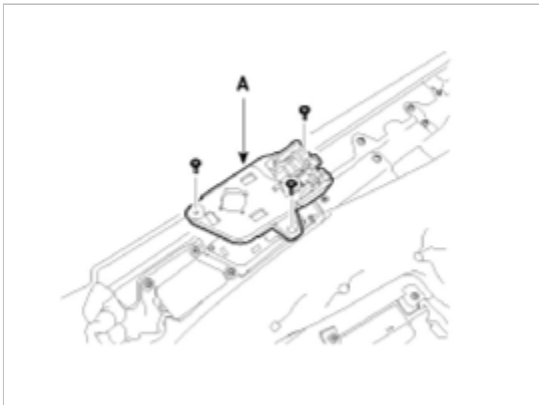
6. Installation is the reverse of removal.

NOTE

- Make sure connectors are connected properly and each rod is connected securely.
- Make sure the door lock and opens properly.

Out Side Handle Replacement

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



3. Installation is the reverse of removal.

NOTE

- Make sure the door lock and open properly.

Glass Replacement

NOTE

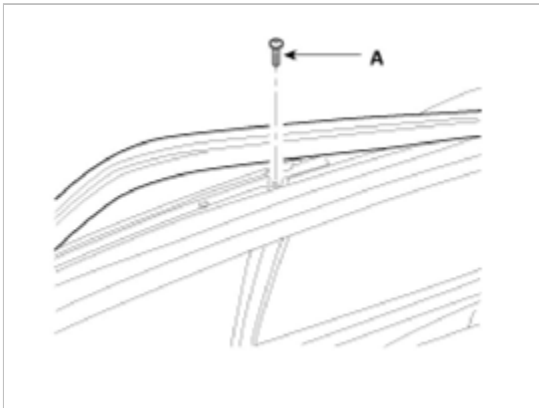
- Put on gloves to protect your hands.

1. Remove the door trim.
2. Remove the door belt weatherstrip.
3. Release the rear channel mounting bolt and nut.

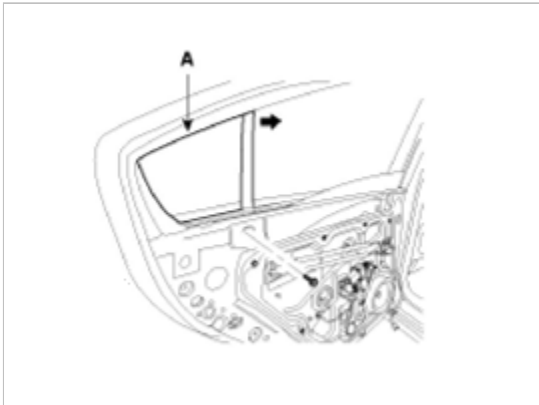
CAUTION

- Take care not to drop to glass and scratch the glass surface.

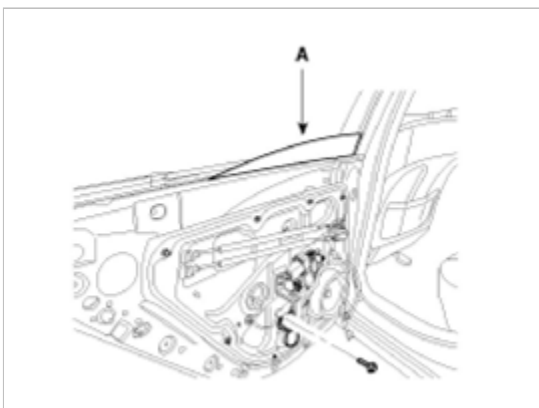
4. Remove the mounting screw (A).



5. Remove the quarter glass (A).



6. 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.



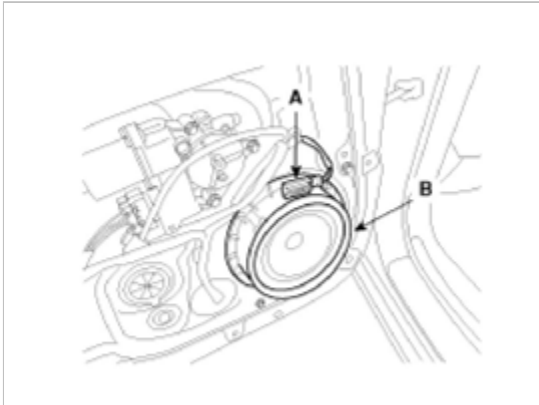
7. Installation is the reverse of removal.

NOTE

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

Speaker Replacement

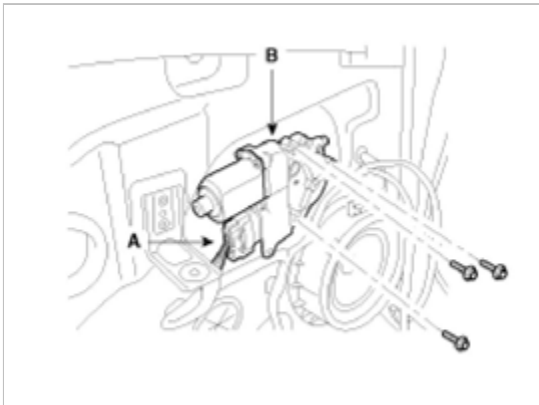
1. Remove the door trim.
2. Drill out the rivets to remove the speaker (B) from the door module.
3. Disconnect the speaker connector (A).



4. Installation is the reverse of removal.

Power Window Motor Replacement

1. Remove the door trim.
2. After disconnecting the connector (A), remove the power window motor (B).



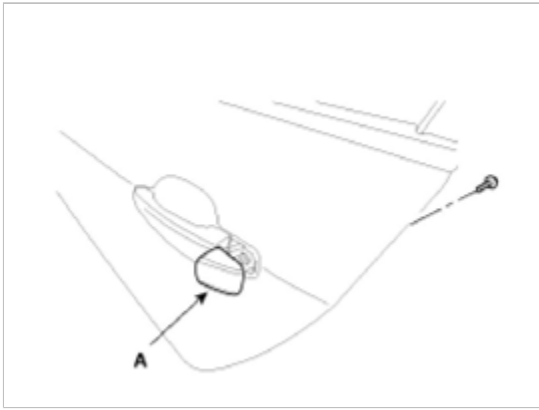
3. Installation is the reverse of removal.

NOTE

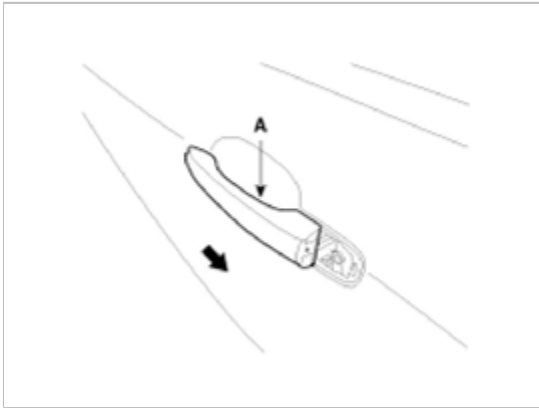
- Grease should be applied to areas where there is rotational parts and springs.
- Roll the glass up and down to see if it move freely without binding.

Inside Handle Replacement

1. After loosening the mounting bolt, then remove the cover (A).



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



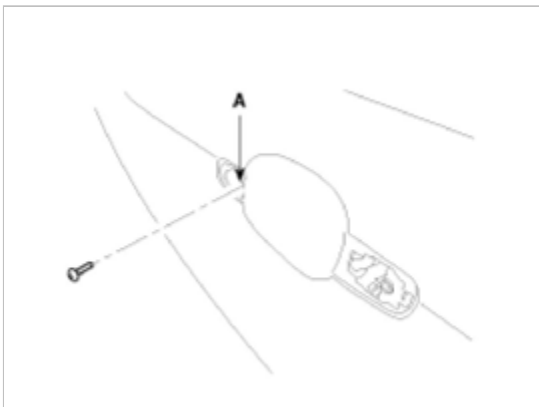
3. Installation is the reverse of removal.

Module Assembly Replacement

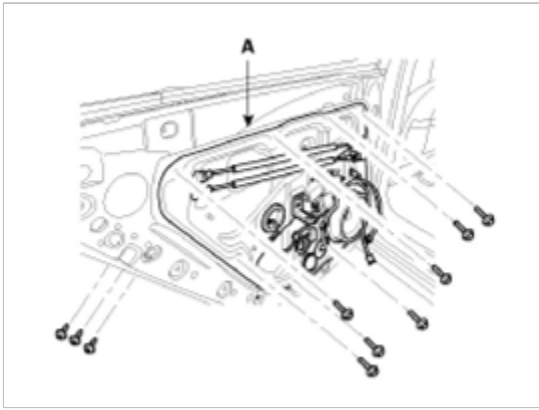
1. Remove the following parts:

- A. Door trim
- B. Window glass
- C. Outside handle

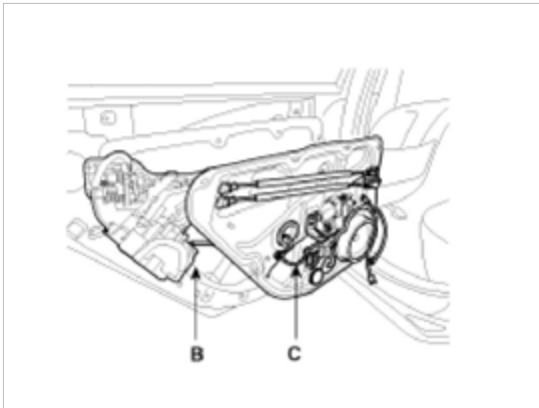
2. Loosen the mounting screw (A).



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



4. Disconnect the connector (B).
5. Detach the clips, then remove the wiring harness (C).



6. Installation is the reverse of removal.

NOTE

- 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 door lock operates and open/closes properly.

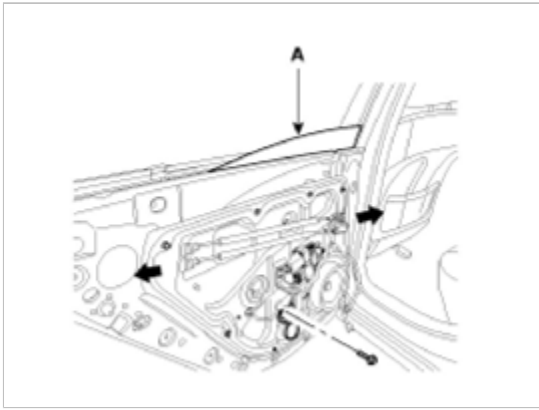
Adjustment

Glass Adjustment

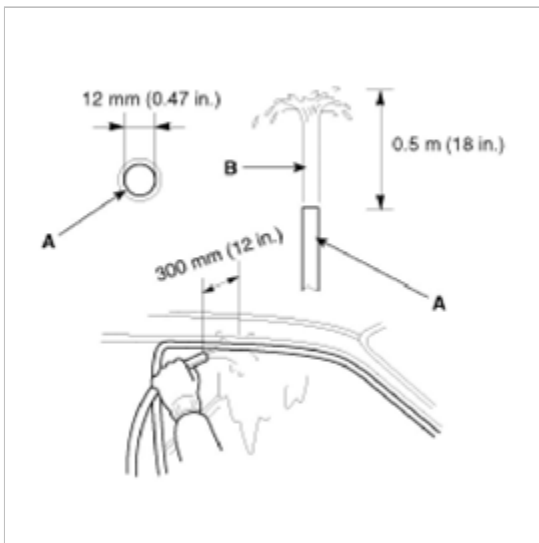
NOTE

- Check the glass run channel for damage or deterioration, and replace them necessary.

1. Remove the following parts.
 - A. Door trim.
2. Carefully move the glass (A) until the glass mounting bolts are visible, then loosen them.



3. Check that the glass moves smoothly.
4. Raise the glass fully, and check for gaps. Check that the glass contacts the glass run channel evenly.
5. Check for water leaks. Run water over the roof and on the sealing area as shown, and note these items:
 - A. Use a 12mm (1/2in.) diameter hose (A).
 - B. Adjust the rate of water flow as shown (B).
 - C. Do not use a nozzle.
 - D. Hold the hose about 300mm (12in.) away from the door.

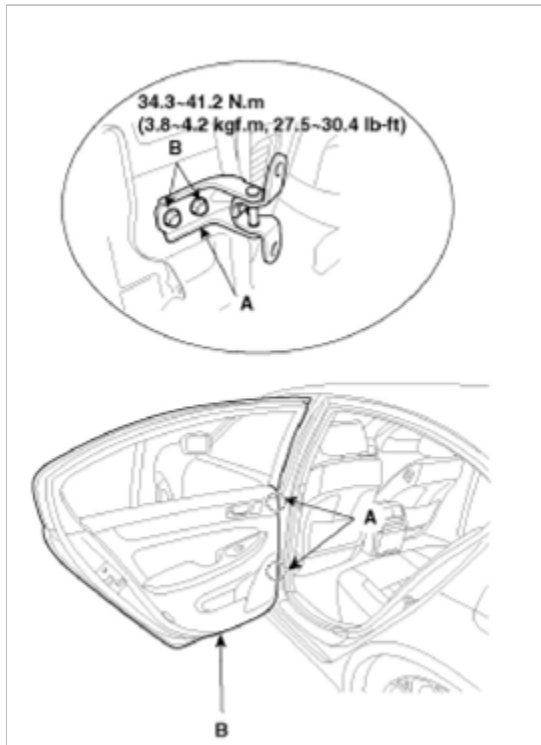


Door Position Adjustment

NOTE

- 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. Place the vehicle on a firm, level surface when adjusting the doors.
2. Adjust at the hinges (A):
 - A. Loosen the door mounting bolts (B) slightly, and move the door IN or OUT until it aligns flush with the body.
 - B. Loosen the hinge mounting bolts slightly, and move the door BACKWARD or FORWARD, UP or DOWN as necessary to equalize the gaps.
 - C. Place a shop towel on the jack to prevent damage to the door when adjusting the door.

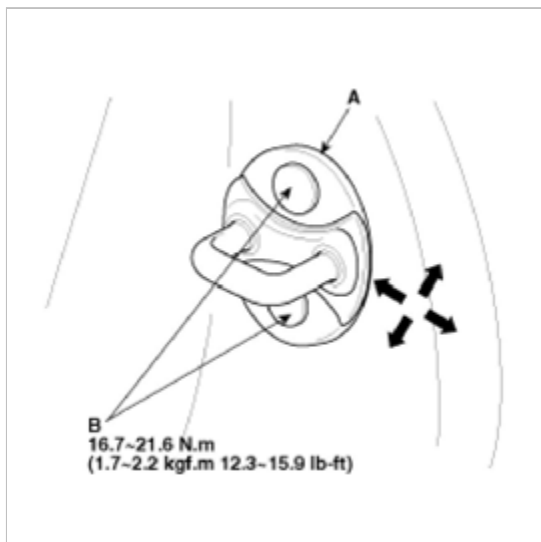


3. Check that the door and body edges are parallel.
4. Grease the pivot portions of the hinges indicated by the arrows.
5. Check for water leaks.

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.

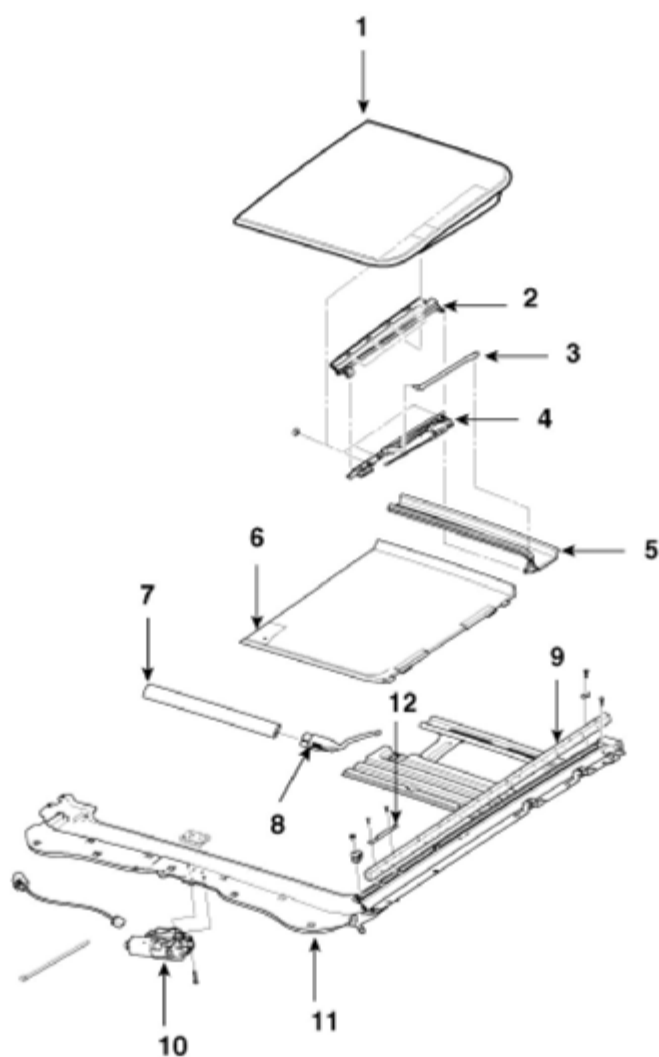
1. Loosen the screws (B), then insert a shop towel between the body and striker.



2. Lightly tighten the screws.
3. Wrap the striker with a shop towel, then adjust the striker by tapping it with a plastic hammer. Do not tap the striker too hard.
4. Loosen the screws and remove the shop towel.
5. Lightly tighten the screws.
6. 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) > Exterior > Sunroof > Components and Components Location

Components



- 1. Glass panel
- 2. Decoration cover
- 3. Drip link
- 4. Guide assembly

- 5. Drip rail
- 6. Sunshade
- 7. Defector
- 8. Defector link

- 9. Seal tape
- 10. Motor
- 11. Frame
- 12. Set plate

Body (Interior and Exterior) > Exterior > Sunroof > Repair procedures

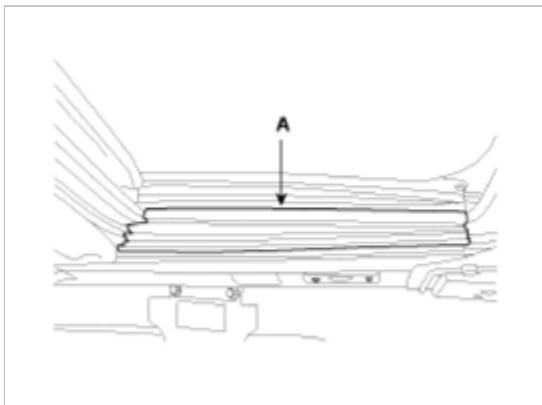
Replacements

Glass Replacement

NOTE

- Put on glove to protect your hands.

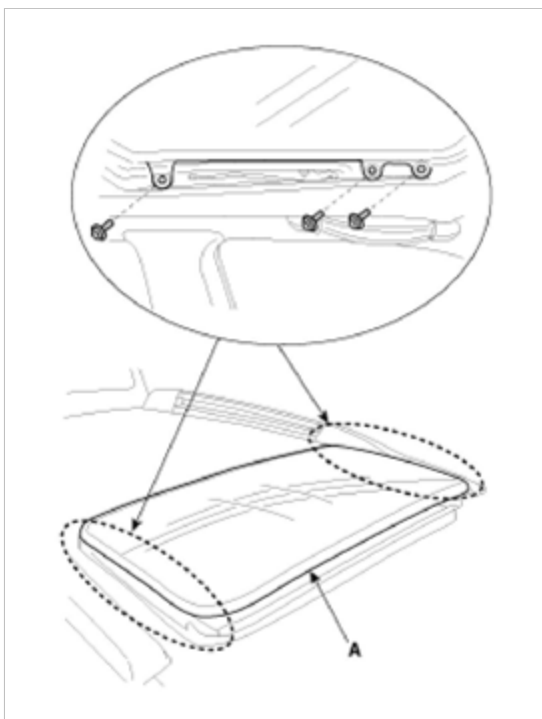
1. Remove both decoration cover (A).



2. Remove the glass (A) by lifting it up.

NOTE

- Do not damage the roof panel.



3. Installation is the reverse of removal.

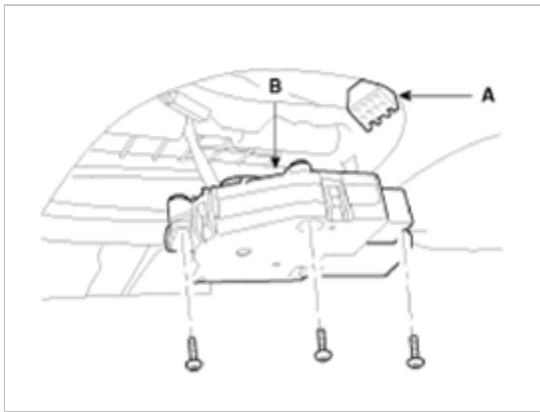
Motor Replacement

1. Remove the over head console.

NOTE

- Confirm the position of guide whether it is closed or not when you remove the motor.

2. Disconnect the motor connector (A), remove the screws and then remove the motor (B).



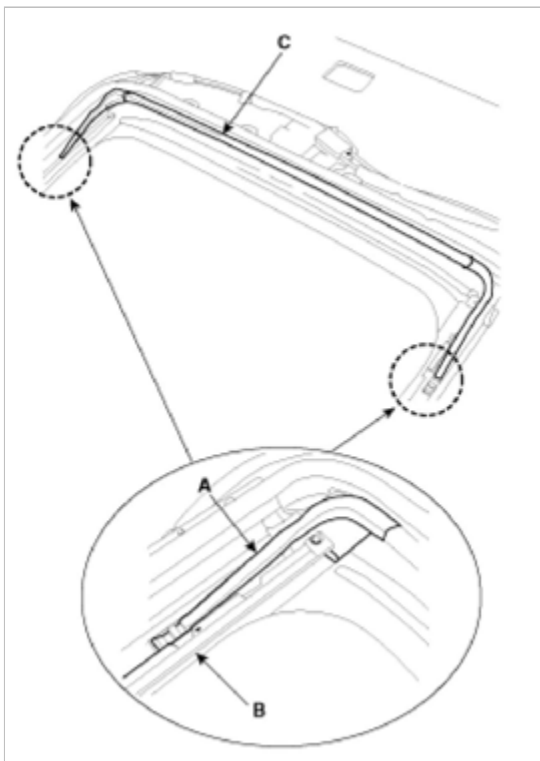
3. Installation is the reverse of removal.

NOTE

- Make sure to initialize the motor.

Deflector Replacement

1. Open the glass fully.
2. Disconnect the deflector link (A) from the frame (B), and then remove the deflector (C).



3. Installation is the reverse of removal.

Sunroof Assembly Replacement

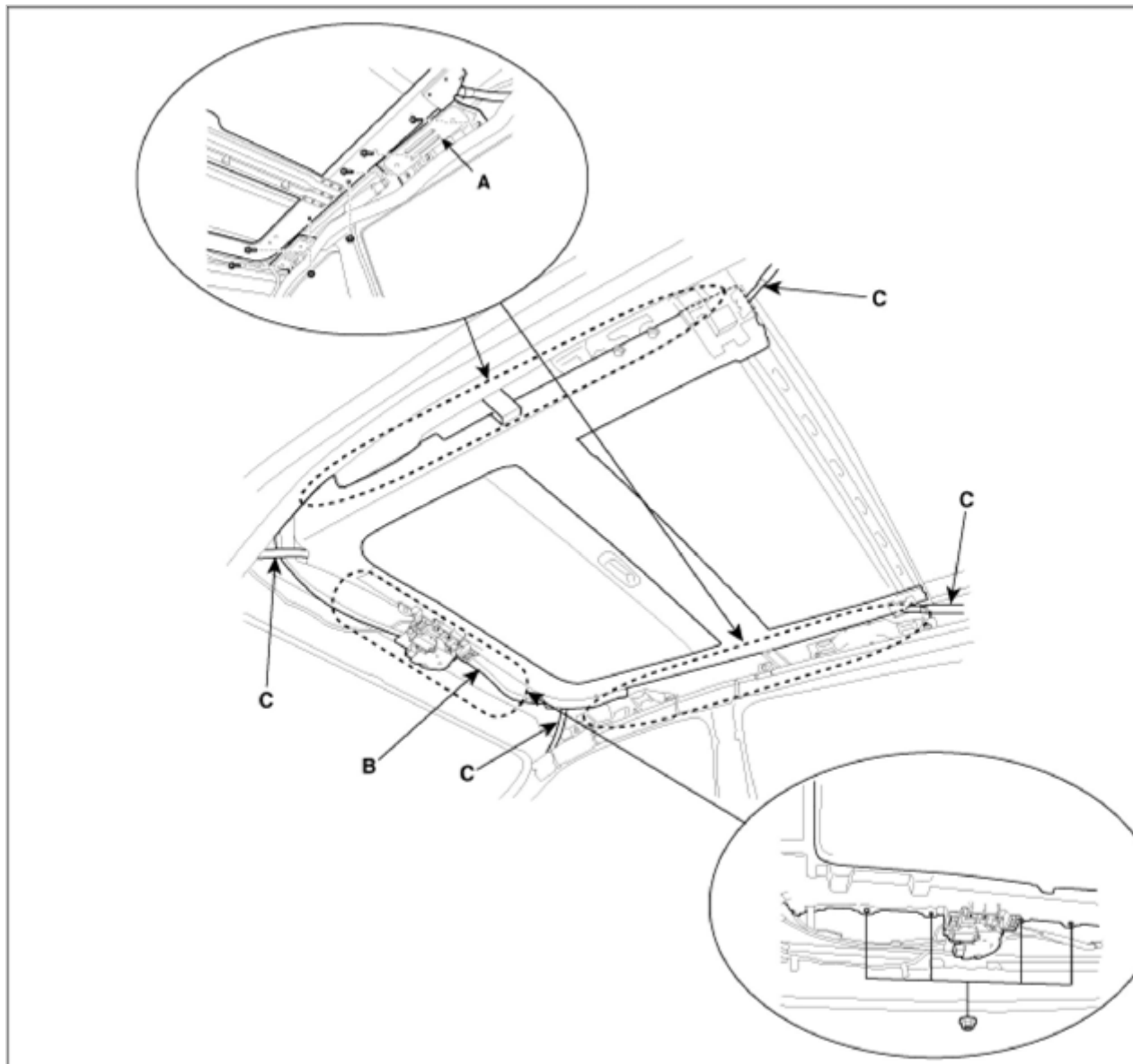
1. Remove the following parts.
 - A. Door scuff trim.
 - B. Front pillar trim.
 - C. Center pillar trim.
 - D. Rear pillar trim.
 - E. Headlining.
 - F. Sunroof glass.

2. Disconnect the drain tubes (C).
3. Remove the bracket (A).
4. After loosening the mounding bolts and nuts, remove the sunroof assembly (B).

NOTE

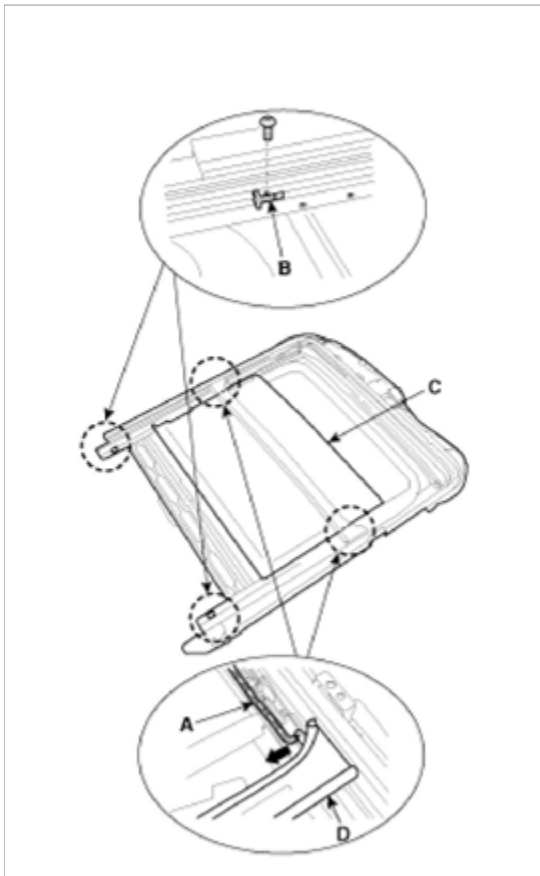
- Be careful not to scratch the interior trims and other parts.

5. Installation is the reverse of removal.



Sunshade And Drip Rail Replacement

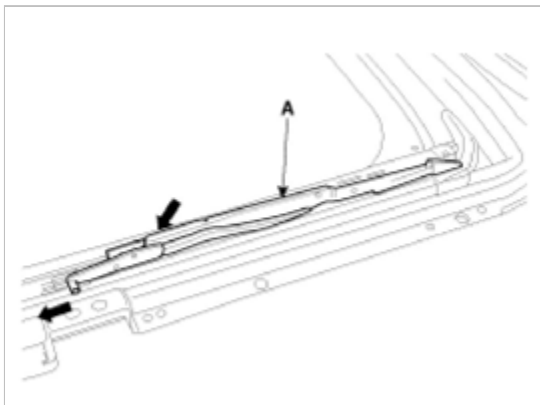
1. Remove the sunroof assembly.
2. Remove the drip link (A) and sunshade stopper (B).
3. Remove the sunshade (C) and drip rail (D).



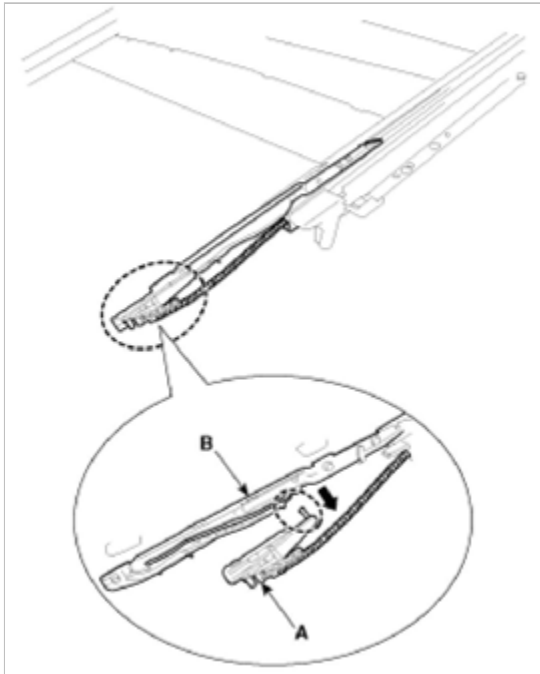
4. Installation is the reverse of removal.

Guide Assembly Replacement

1. Remove the sunroof assembly.
2. Lower and slide the guide assembly (A) to the rear to remove.



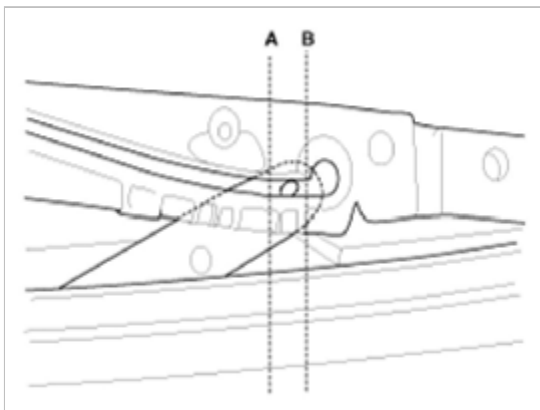
3. Remove the guide (A) and slide (B).



4. Installation is the reverse of removal.

NOTE

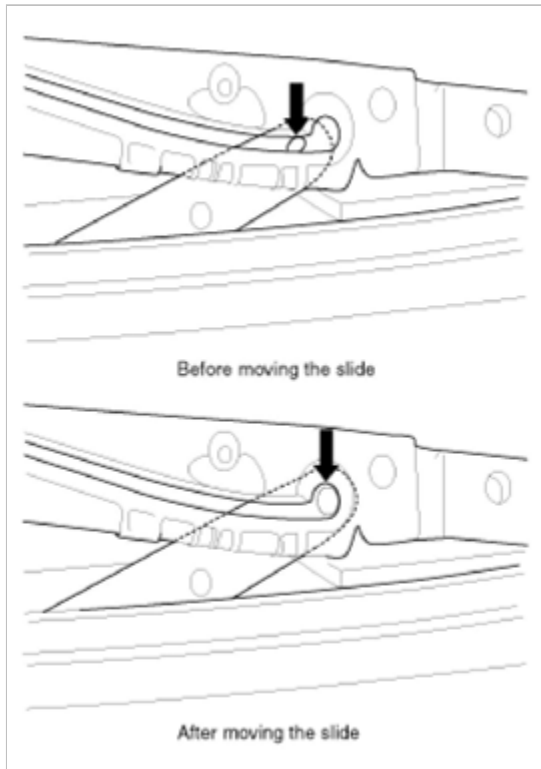
- Make sure to align the slide with the center of “A” and “B”
- Make sure to initialize the motor.



Adjustment

How To Initialize

1. Check that the glass has been installed.
 - A. Finished height adjustment.
2. Push and hold the up switch.
 - A. Until the slide moves forward 5.0 mm (after approx. 15 seconds), the release the switch.



3. After moving the slide 5mm forward, turn OFF the switch and push the UP switch (Keeping on pushing the switch with continuous operation)
 - A. If the motor initialization is successful, the sunroof should fully side open and close once.
4. When the sunroof is closed completely, turn OFF the UP switch initialize the motor completely.

When To Initialize The Motor

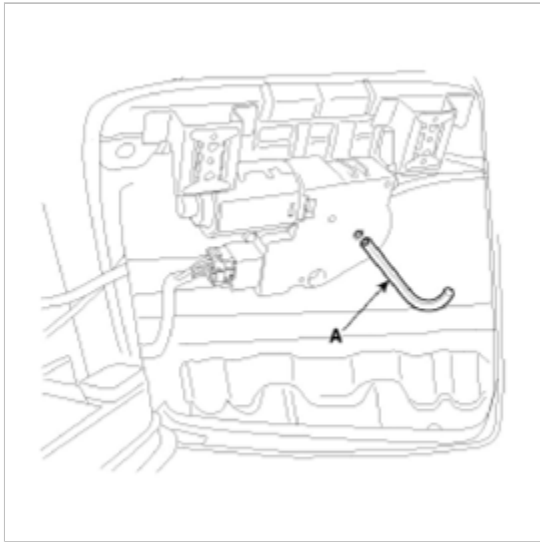
1. First operation the vehicle after manufacture it.
2. Initial value is erased or damaged because of short power electric discharge during operation
3. After using the manual handle.

Operating The Sunroof Emergency Handle

1. Use the sunroof emergency handle to close or open the sunroof manually if the sunroof cannot be closed electronically due to motor or controller electrical malfunction.
2. Operating method
 - A. Remove the overhead console
 - B. Push the emergency handle up into the hexagonal drive (A) of the sunroof motor. You must push hard enough to disengage the motor clutch; otherwise the emergency handle will slip due to incomplete fit in the motor.
 - C. Carefully turn the emergency handle clockwise to close the sunroof.
 - D. After closing the sunroof, wiggle the handle back and forth as you remove the tool from the motor, to ensure the motor clutch reengages.
 - E. 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 sunroof.
- Damage to the components may occur.



Body (Interior and Exterior) > Exterior > Mirror > Repair procedures

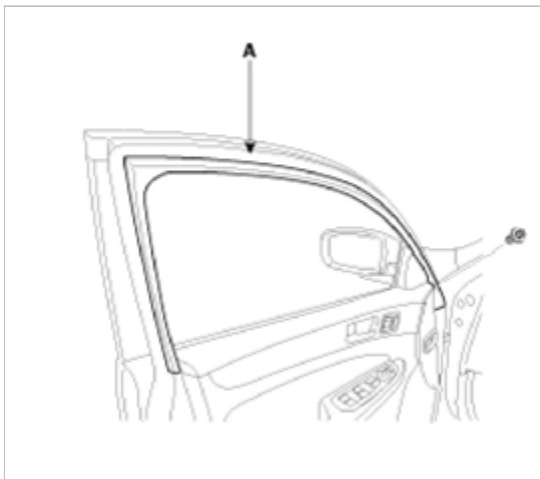
Replacement

Outside Rear View Mirror Replacement

NOTE

- When prying with a flat-up screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.
- Put on gloves to protect your hands.

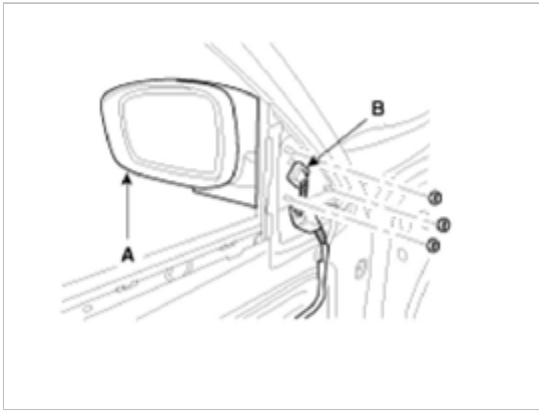
1. Remove the door trim upper cover (A).



2. After disconnecting the connector (A), remove the outside rear view mirror (B).

Tightening torque :

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



3. Installation is the reverse of removal.

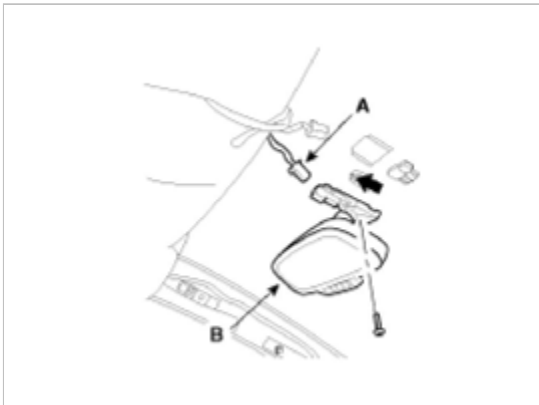
ECM Mirror Replacement

1. Gently detach the hook, then remove the ECM mirror cover (A).



2. Disconnect the connector (A).

3. Push the ECM mirror base down to remove the ECM mirror assembly (B).

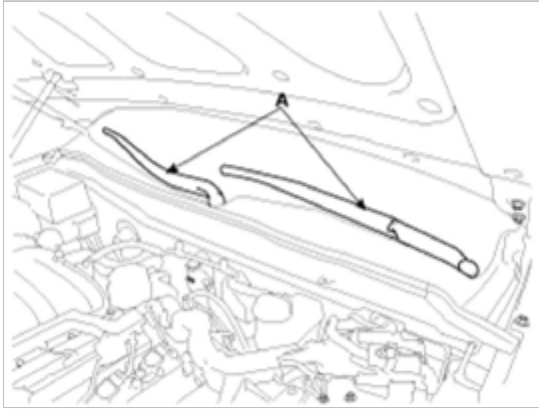


4. Installation is the reverse of removal.

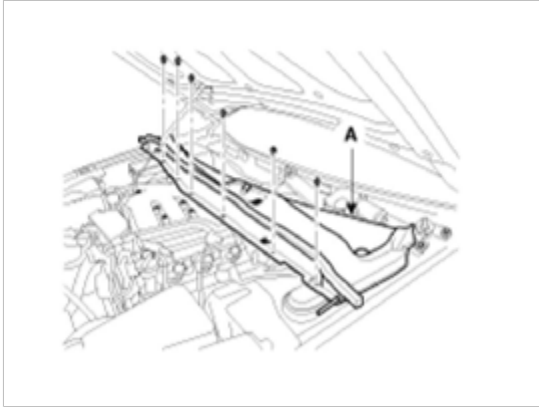
Body (Interior and Exterior) > Exterior > Cowl Top Cover > Repair procedures

Replacement

1. Remove the wiper arm (A).



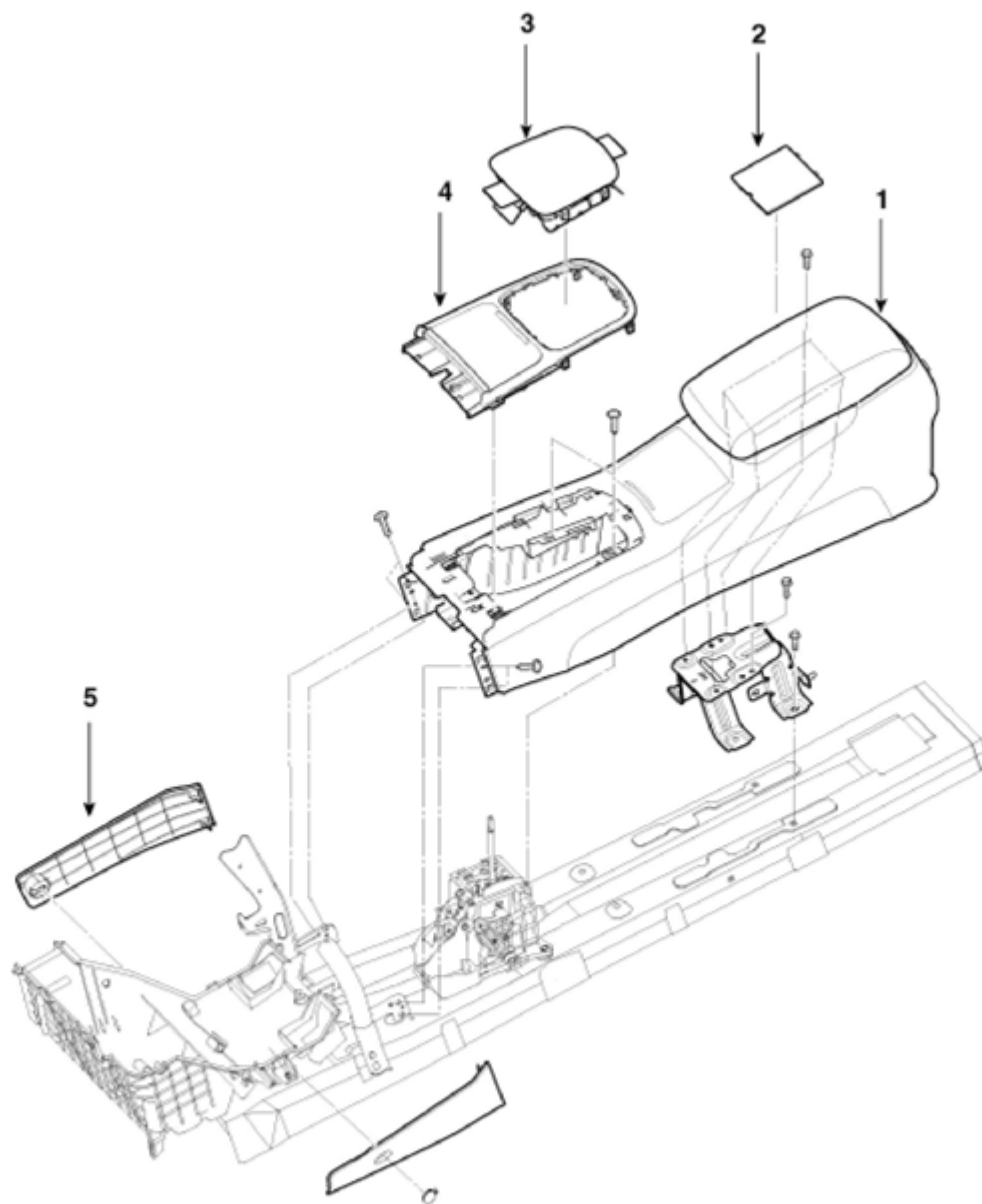
2. Detach the clips, then remove the cowl top cover (A).



3. Installation is the reverse of removal.

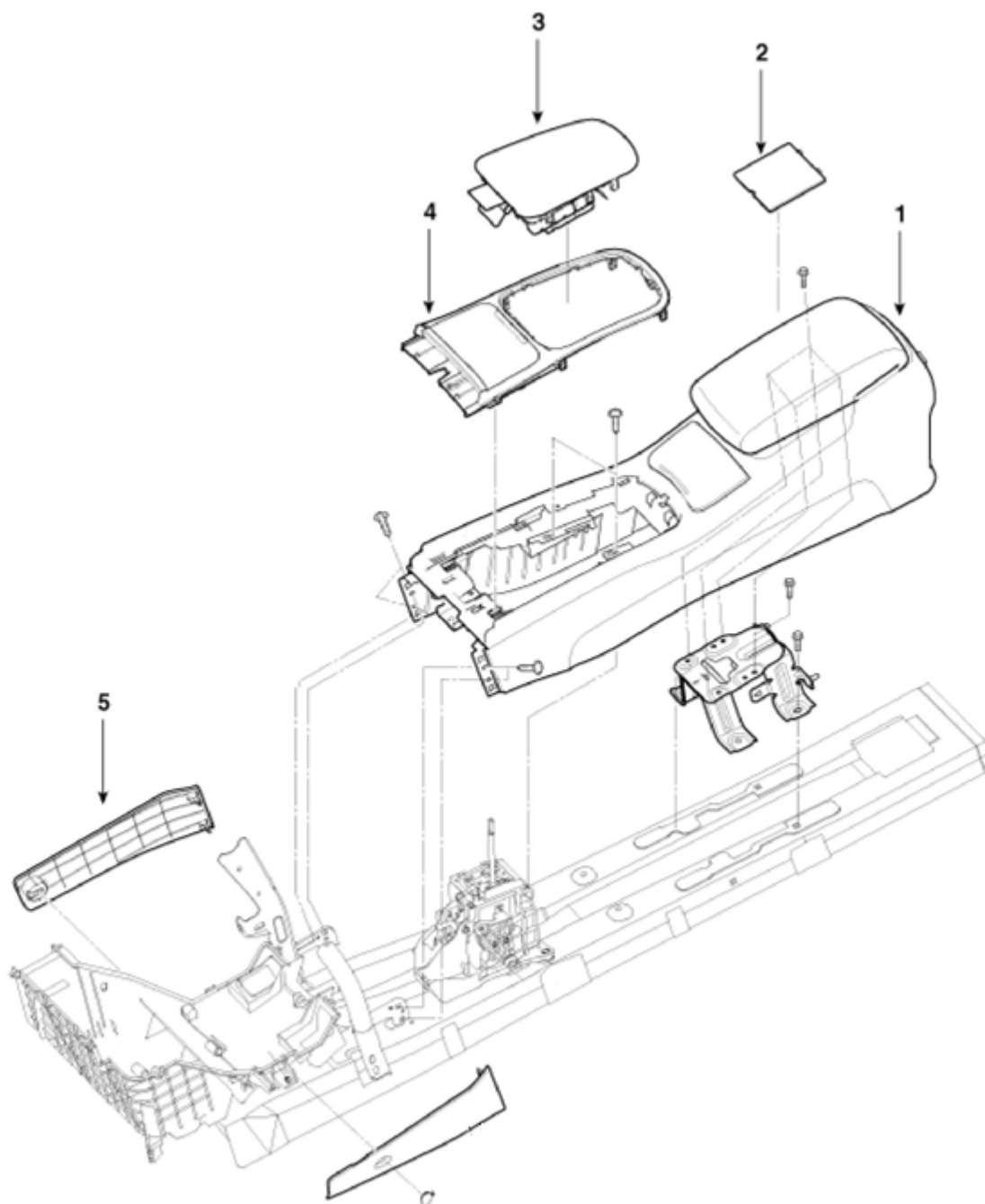
Body (Interior and Exterior) > Interior > Console > Components and Components Location

Components



1. Console assembly
2. Storage box cover
3. Indicator cover

4. Console upper cover
5. Console side cover



1. Console assembly
2. Storage box
3. Indicator

4. Console upper cover
5. Console side cover

Body (Interior and Exterior) > Interior > Console > Repair procedures

Replacement

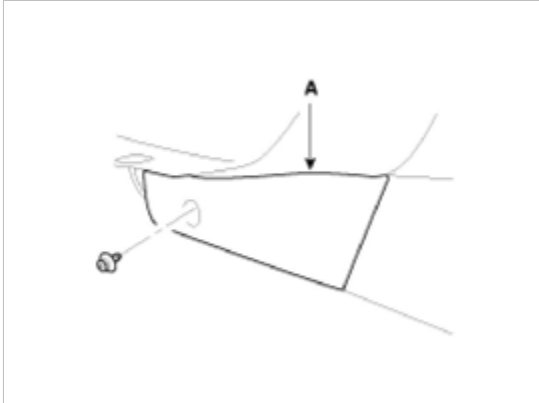
Floor Console Replacement

[A Type]

NOTE

- When prying with a flat-up screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.
- Put on gloves to protect your hands.

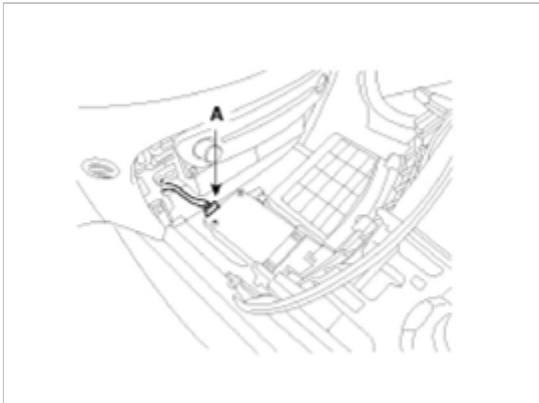
1. Remove the console side cover (A).



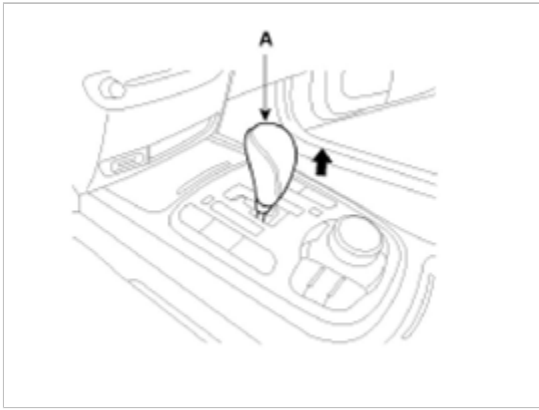
2. Remove the head unit cover bezel.



3. Disconnect the connector (A).



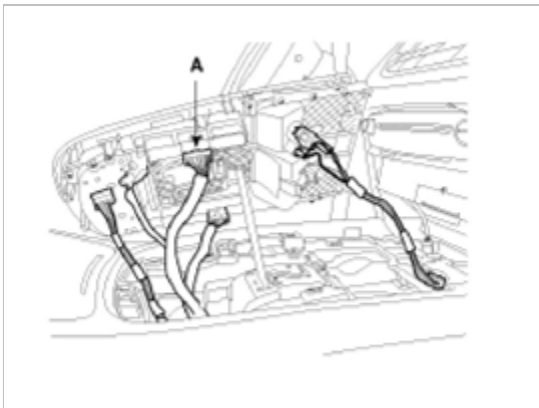
4. Remove the knob (A).



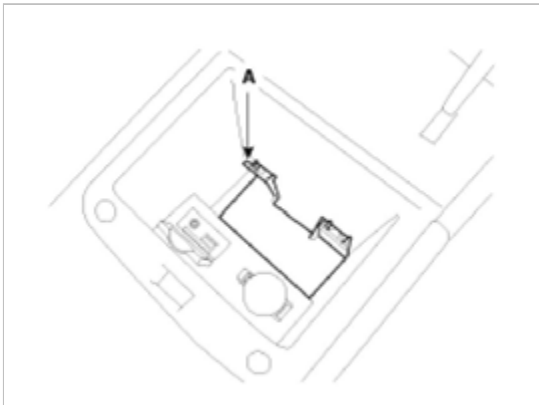
5. Remove the indicator cover (A).



6. Disconnect the connectors (A).



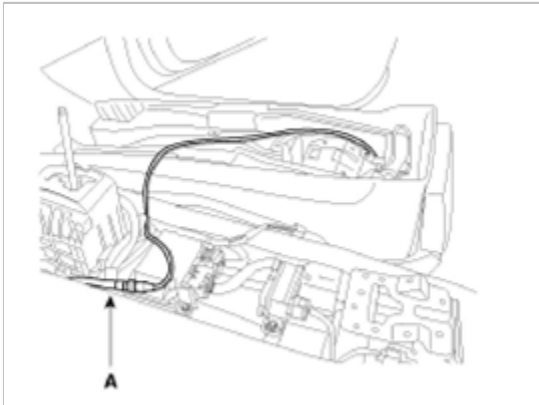
7. Remove the cover (A).



8. After loosening the console mounting screws, remove the console (A).



9. Disconnect the connector (A).



10. Installation is the reverse of removal.

NOTE

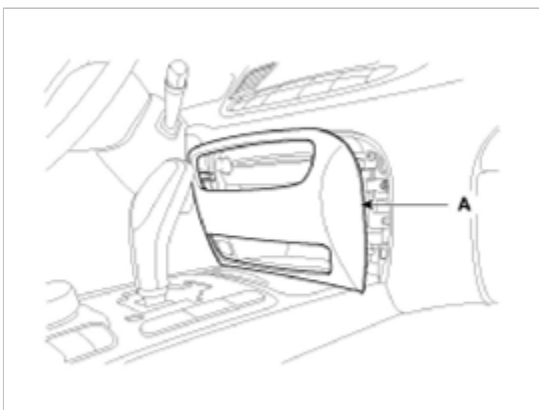
- Make sure the connector are connected in properly.
- Replace any damage clips.

[B Type]

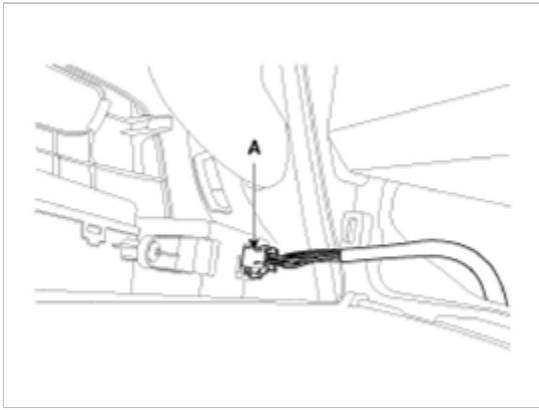
NOTE

- When prying with a flat-up screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.
- Put on gloves to protect your hands.

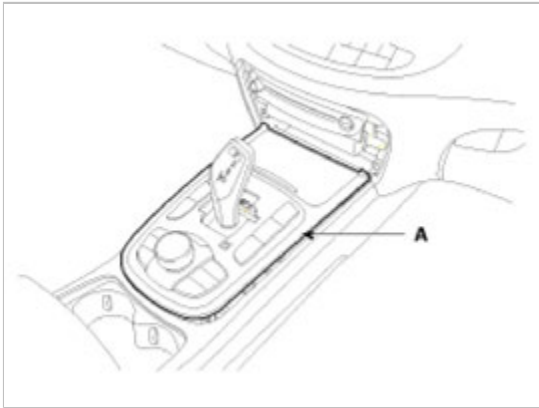
1. Remove the head unit cover bezel (A).



2. Disconnect the connector (A).

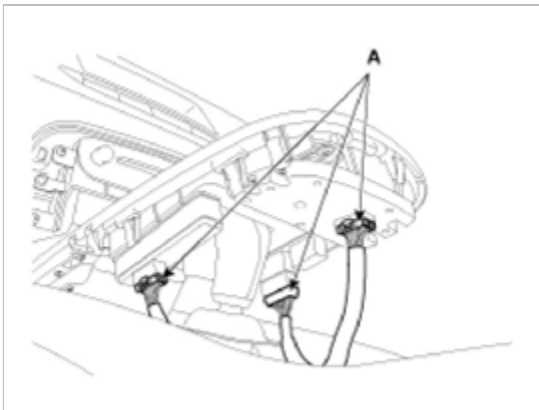


3. Disconnect the indicator cover (A).

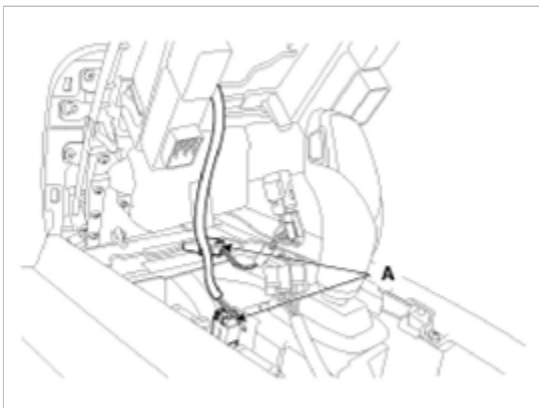


4. Disconnect the connectors (A).

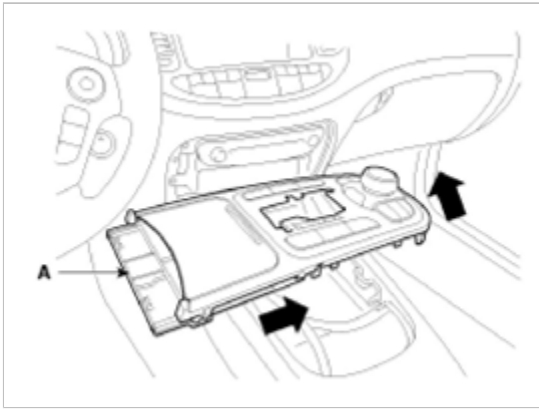
[Rear]



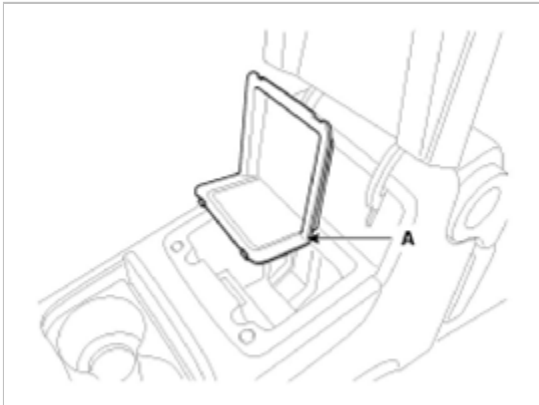
[Front]



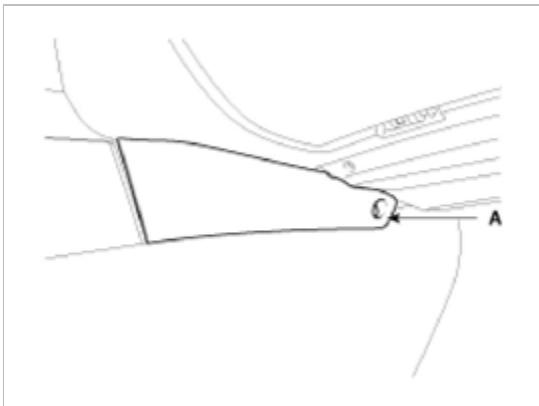
5. Remove the indicator cover (A) after turning in the counter clock-wise direction.



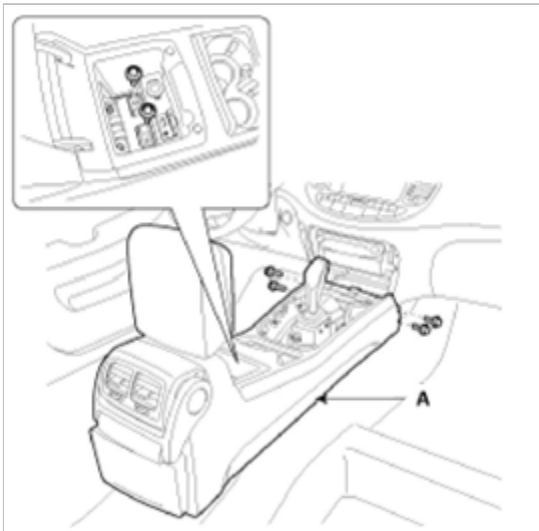
6. Remove the console tray cover (A).



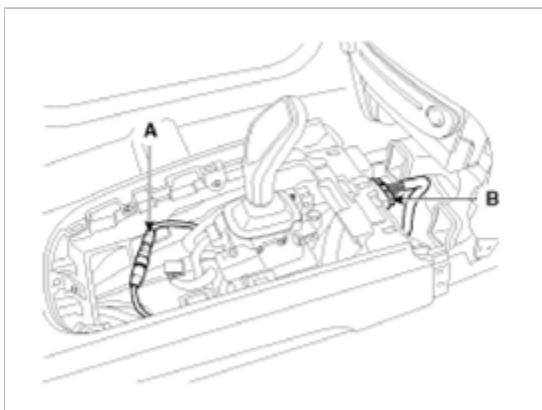
7. Remove the console side cover (A).



8. After loosening the floor console mounting screws, remove the floor console (A).



9. Disconnect the audio antenna (A) and connector (B).



10. Installation is the reverse of removal.

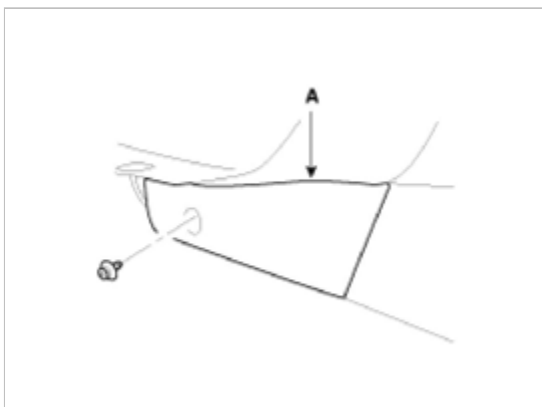
NOTE

- Make sure the connectors are connected properly.
- Replace any damaged clips.

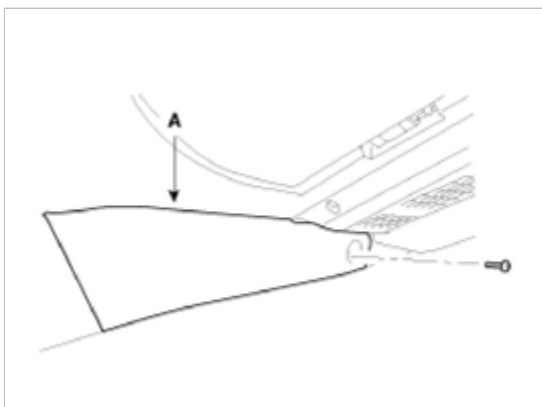
Console Extender Cover Replacement

1. Remove the cover (A).

[Driver's]



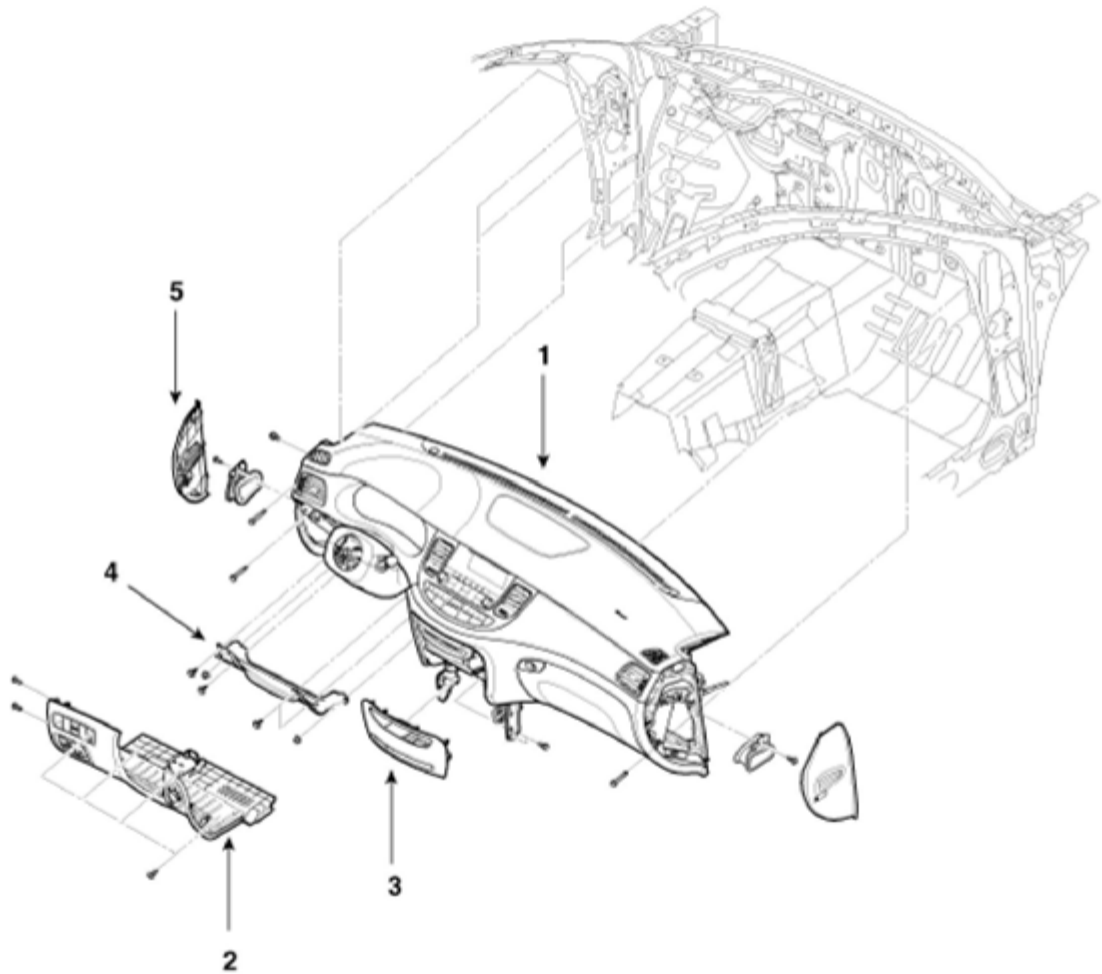
[Passenger's]



2. Installation is the reverse of removal.

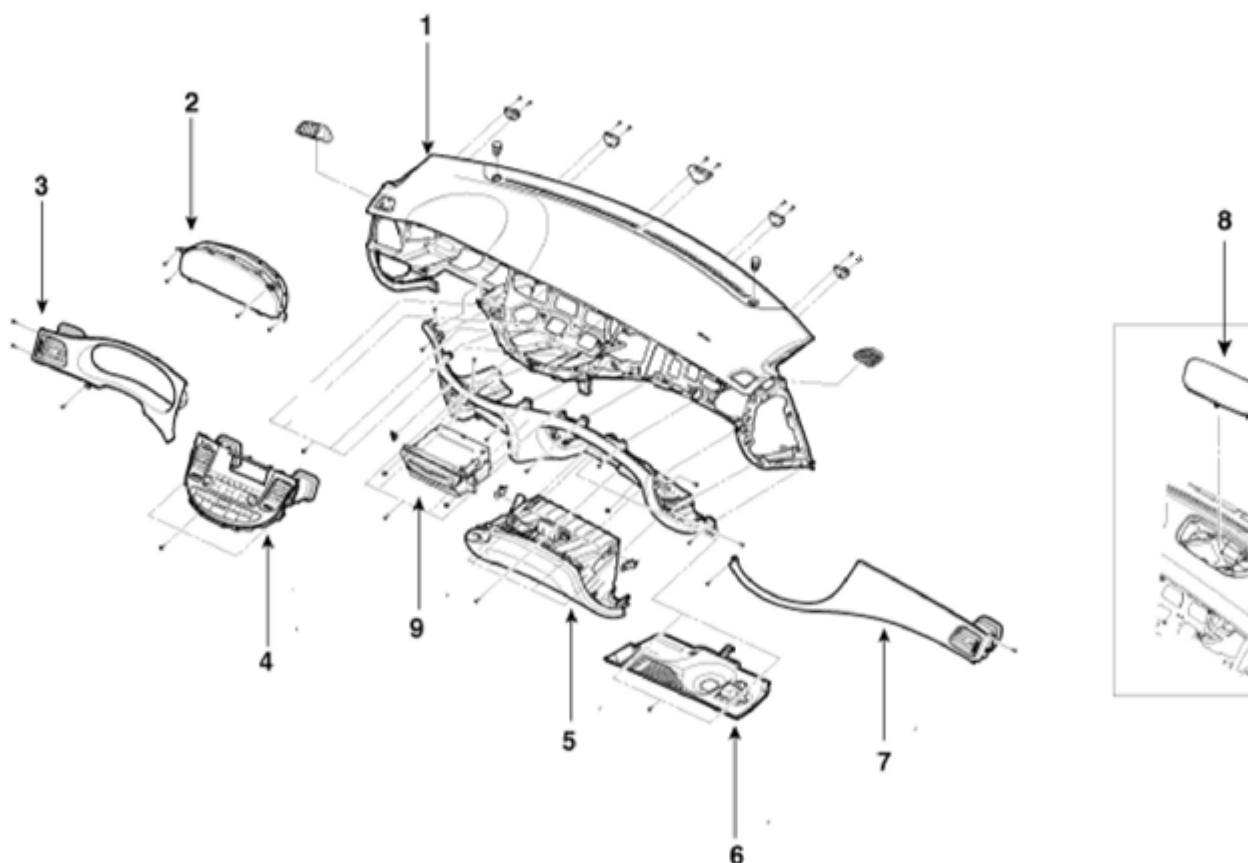
Body (Interior and Exterior) > Interior > Crash Pad > Components and Components Location

Components



- 1. Main crash pad
- 2. Lower panel
- 3. Center fascia panel

- 4. Reinforecing
- 5. Crash pad side cover



1. Crash pad
2. Cluster
3. Cluster facia panel
4. Center facia panel
5. Glove box assembly

6. Under cover
7. Crash pad side garnish
8. Speaker grill
9. Audio head unit

Body (Interior and Exterior) > Interior > Crash Pad > Repair procedures

Replacement

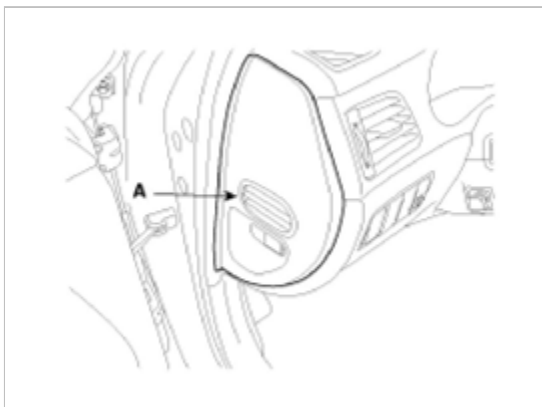
Cluster Facia Replacement

NOTE

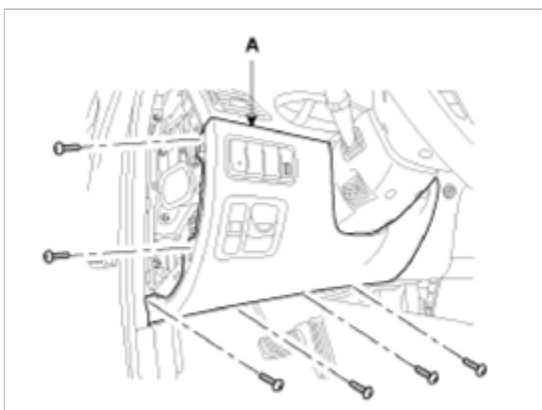
- When prying with a flat-up screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.

- Put on gloves to protect your hands.

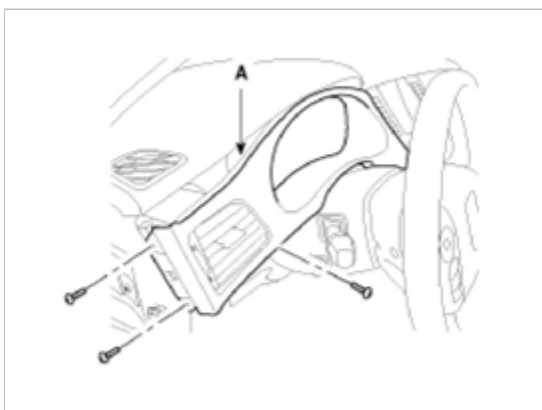
1. Remove the crash pad side cover (A).



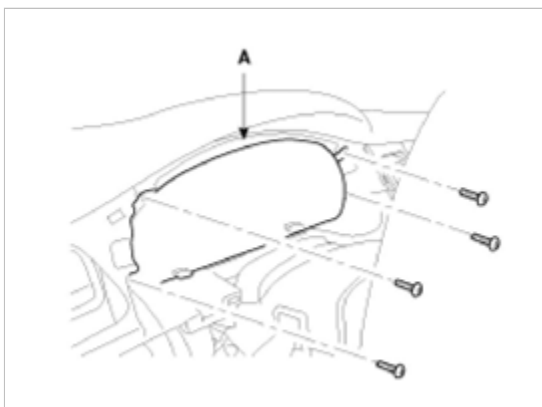
2. After loosening the mounting screws, remove the lower panel (A).



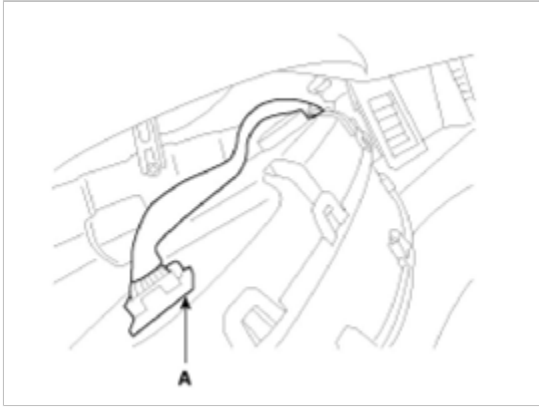
3. After loosening the mounting screws, remove the cluster facia panel (A).



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



5. Disconnect the connector (A).



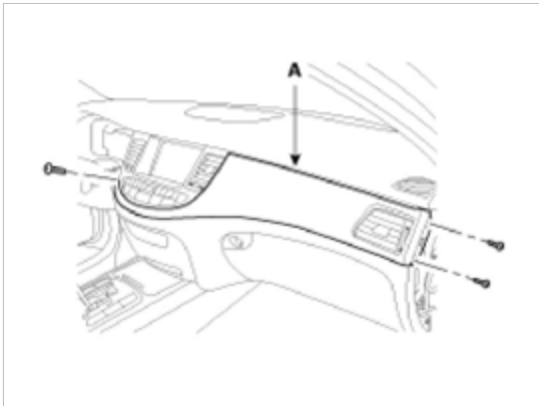
6. Installation is the reverse the removal.

NOTE

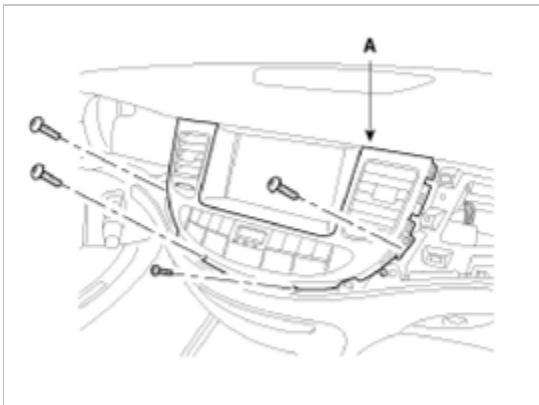
- Make sure the connector is connected properly.

Center Facia Panel Replacement

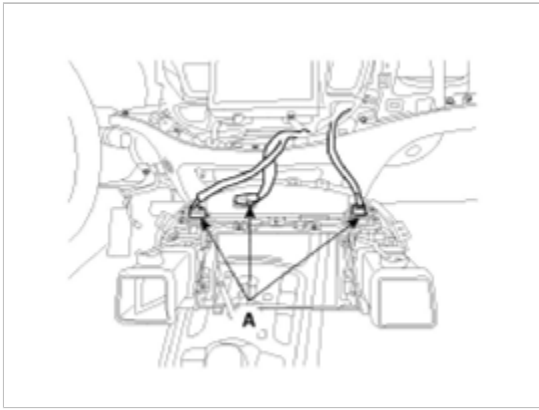
1. Remove the crash pad side cover.
2. Remove the lower panel.
3. Remove the cluster facia panel.
4. After loosening the crash pad side garnish mounting screws, remove the side garnish (A).



5. After loosening the center facia panel mounting screws, remove the center facia panel (A).



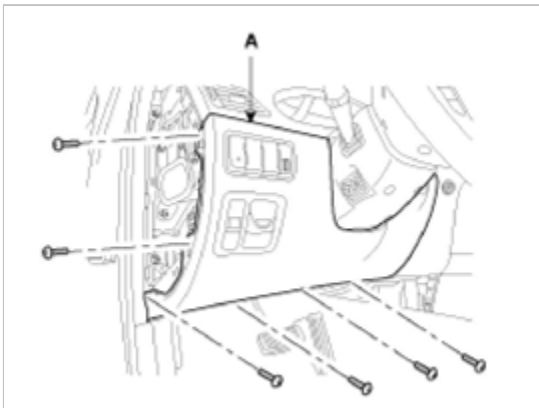
6. Disconnect the connector (A).



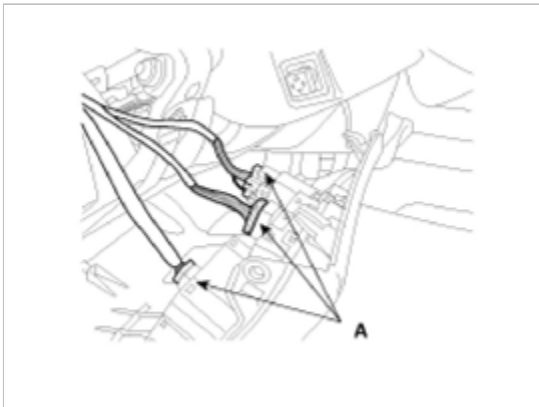
7. Installation is the reverse of removal.

Lower Panel Replacement

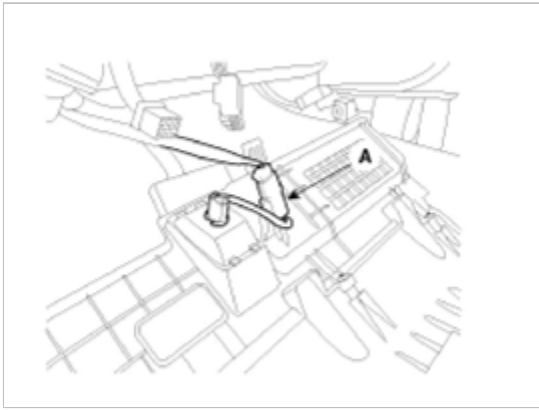
1. Remove the crash pad side cover.
2. After loosening the crash pad lower panel mounting screws, remove the lower panel (A).



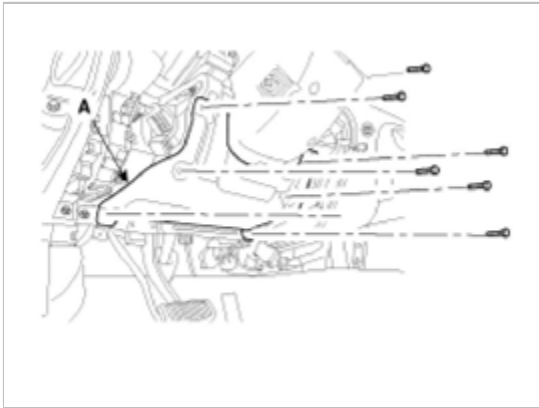
3. Disconnect the connector (A).



4. Disconnect the connector (A).



5. After loosening the mounting bolts, then remove the reinforcing panel (A).



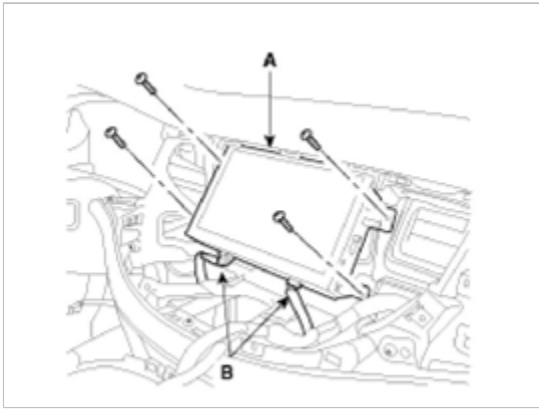
6. Disconnect the connector (A).



7. Installation is the reverse of removal.

Audio Assembly Replacement

1. Remove the crash pad side cover.
2. Remove the lower panel.
3. Remove the cluster facia panel.
4. Remove the crash pad side garnish.
5. Remove the center facia panel.
6. After loosening the audio assembly mounting screws, then remove the audio assembly (A).
7. Disconnect the connectors (B).



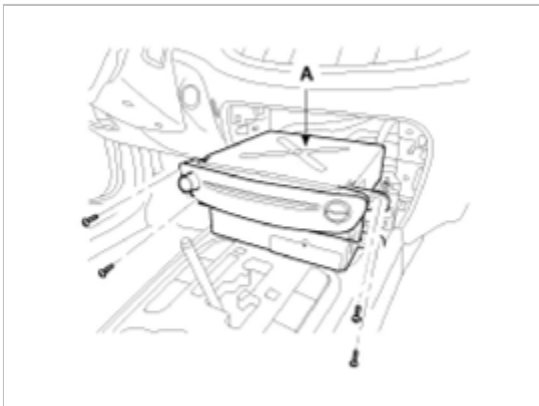
8. Installation is the reverse of removal.

NOTE

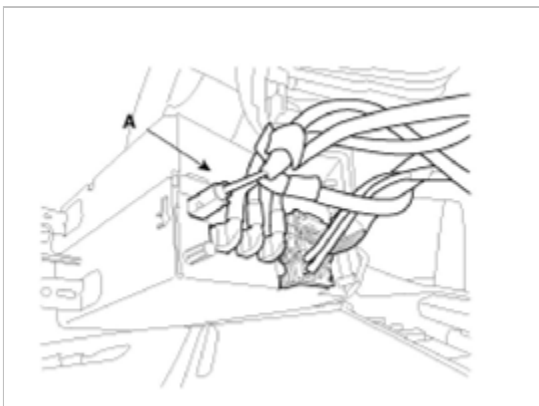
- Make sure the connector is plugged in properly.

Audio Head Unit Replacement

1. Remove the crash pad lower facia panel.
2. After loosening the mounting screws, remove the audio head unit (A).



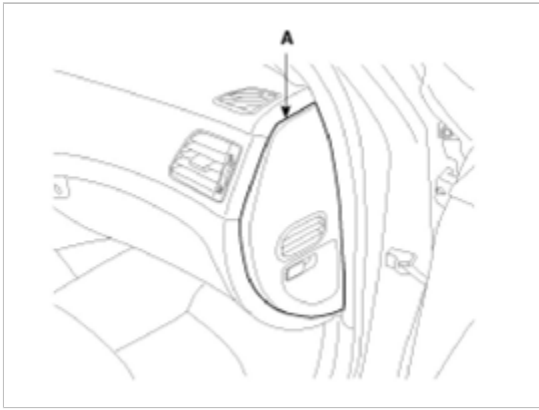
3. Disconnect the connectors (A).



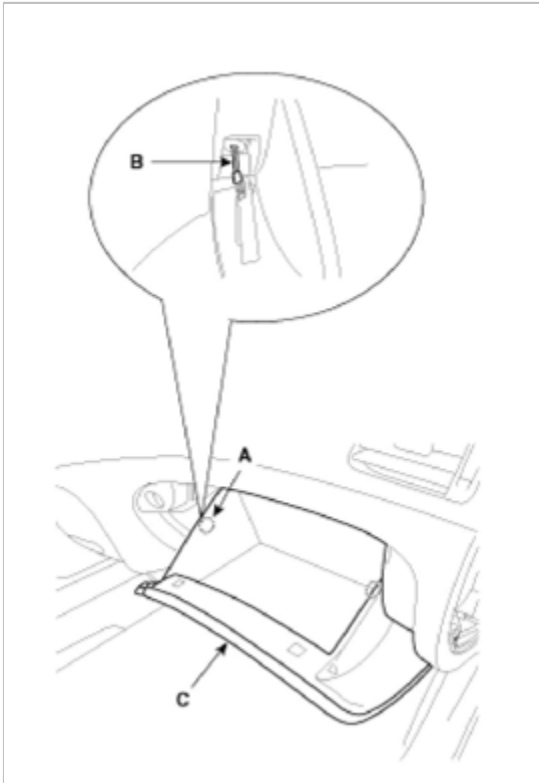
4. Installation is the reverse of removal.

Glove Box Replacement

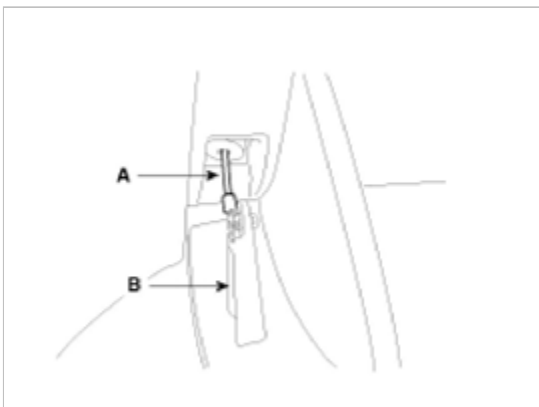
1. Remove the crash pad side cover (A).



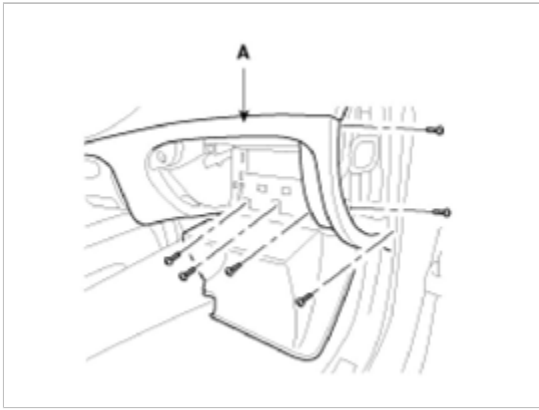
2. Disconnect the damper (B) from the glove box (A).



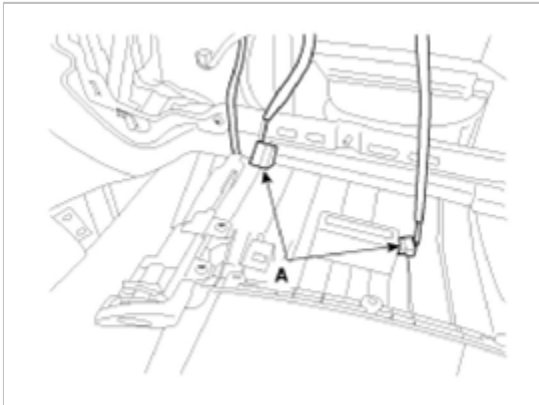
3. Remove the glove box (B) from the lift (A).



4. After loosening the mounting screws, remove the glove box assembly (A).



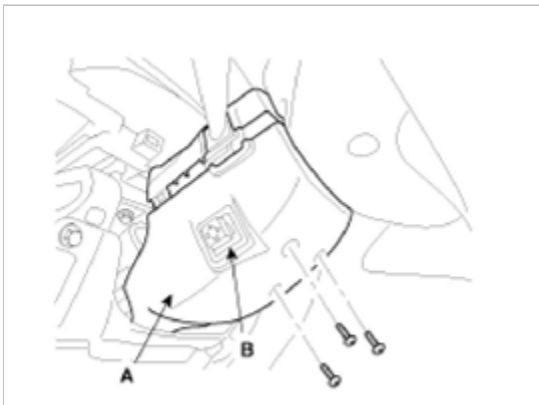
5. Disconnect the connector (A).



6. Installation is the reverse of removal.

Shroud Replacement

1. Loosen the screws.
2. Remove the shroud assembly (A).
3. Disconnect the connector (B).



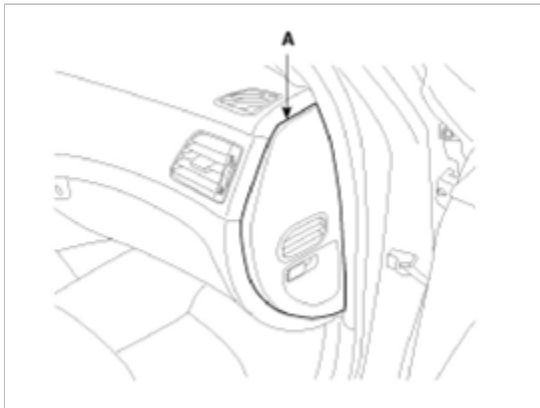
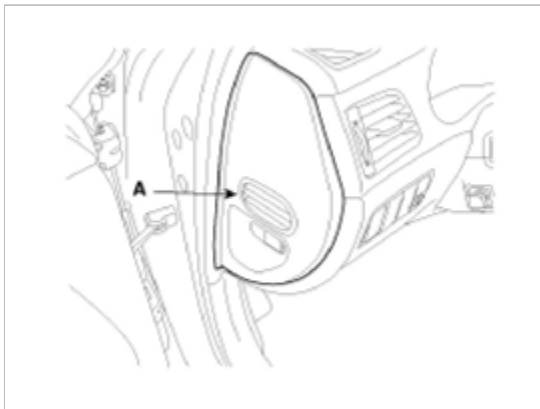
4. Installation is the reverse of removal.

Crash Pad Side Cover Replacement

NOTE

- When prying with a flat-up 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).



2. Installation is the reverse of removal.

Crash Pad Replacement

NOTE

- When prying with a flat-up screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.
- Put on gloves to protect your hands.

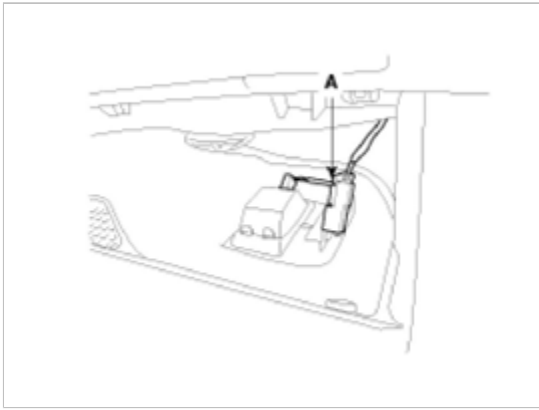
1. Remove the following items :

- A. Front seat
- B. Cluster facia panel, cluster
- C. Audio assembly
- D. Glove box
- E. Crash pad side cover
- F. Front pillar trim

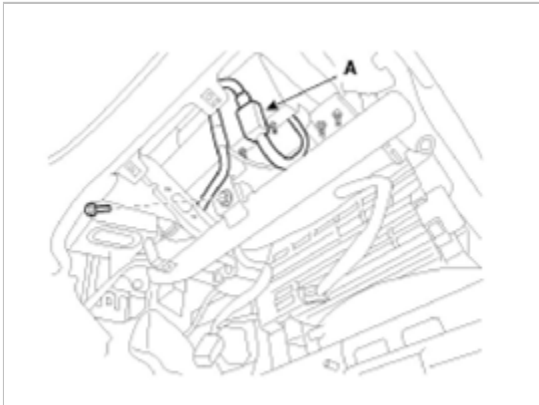
2. Remove the crash pad lower panel (A).



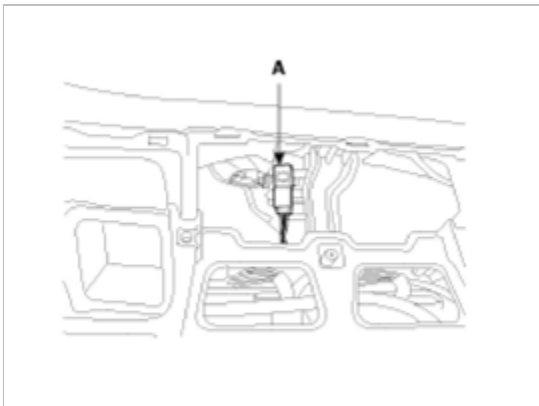
3. Disconnect the connector (A).



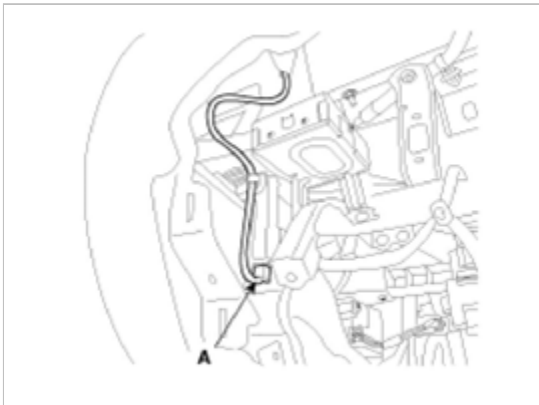
4. Disconnect the passenger's air bag connector (A).



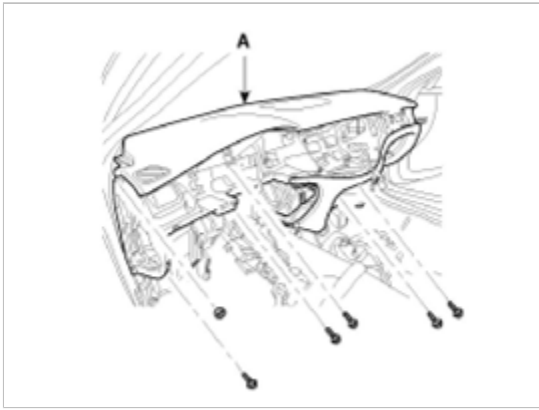
5. Disconnect the center speaker connector (A).



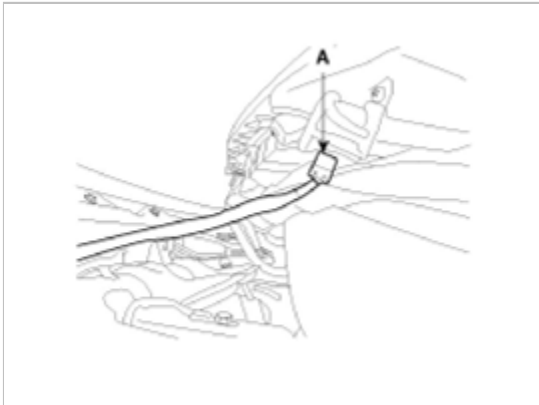
6. Disconnect the connector (A).



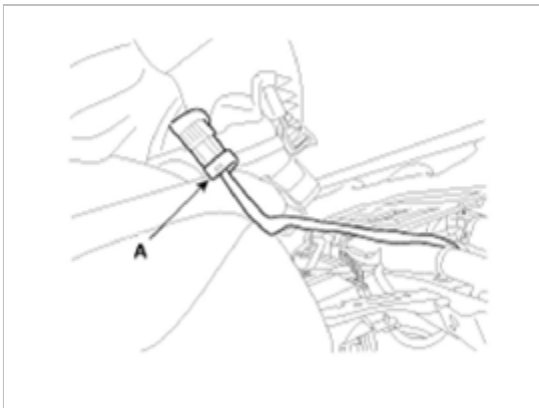
7. Loosen the bolts and nuts, then remove the crash pad (A).



8. Remove the photo sensor connector (A).



9. Remove the rain sensor connector (A).



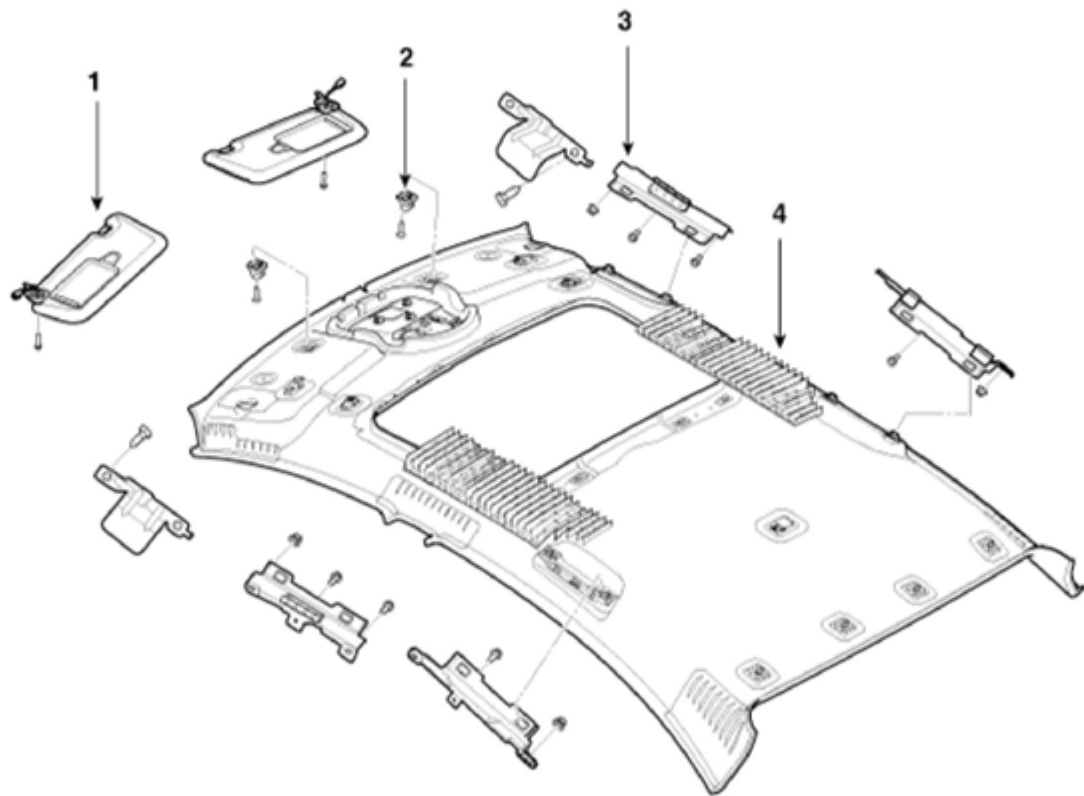
10. Installation is the reverse of removal.

NOTE

- 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.

Body (Interior and Exterior) > Interior > Roof Trim > Components and Components Location

Components



1. Sunvisor
2. Retainer

3. Assist handle bracket
4. Roof trim

Body (Interior and Exterior) > Interior > Roof Trim > Repair procedures

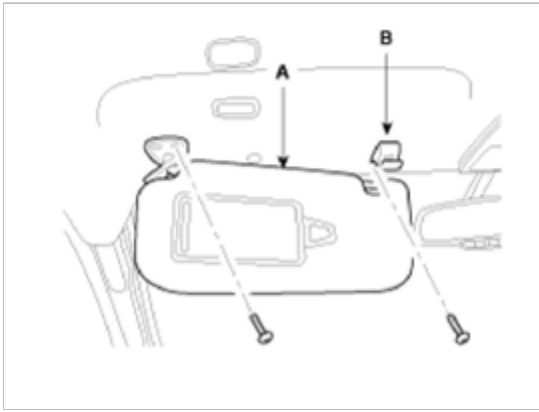
Replacement

Sunvisor Replacement

NOTE

- 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 sunvisor (A) and retainer (B) from each side.



2. Disconnect the connector (C).



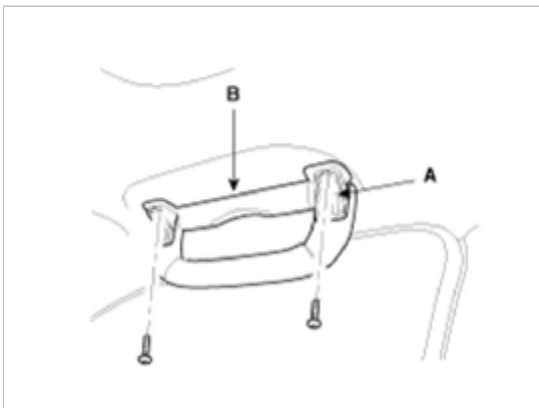
3. Installation is the reverse of removal.

Assist Handle Replacement

NOTE

- 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 (B), and remove the screws, then remove the assist handle (A).



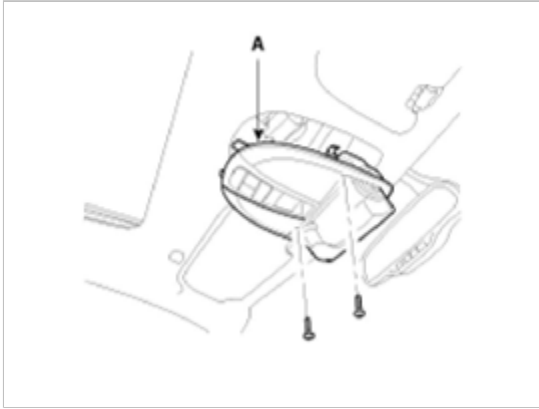
2. Installation is the reverse of removal.

Overhead Console Lamp Replacement

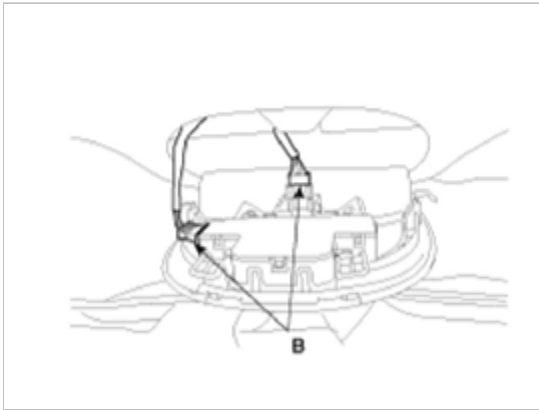
NOTE

- 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 screws, remove the overhead console (A).



2. Disconnect the connector (B).



3. Installation is the reverse of removal.

Room Lamp Replacement

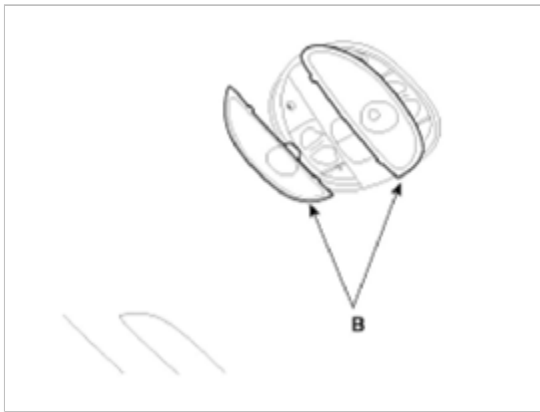
NOTE

- 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 lens (A).



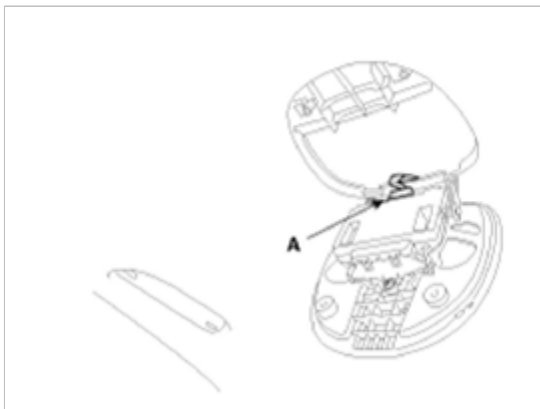
2. Remove the lamp (B).



3. Pull out the room lamp (A).



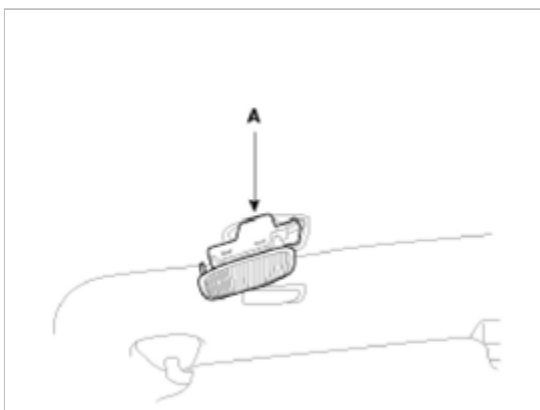
4. Disconnect the connector (A).

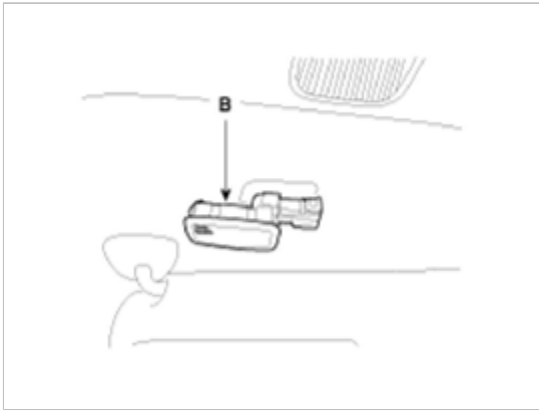


5. Installation is the reverse of removal.

Hands free mic and lamp replacement

1. Remove the hands free mic (A) and lamp (B).





2. Installation is the reverse of removal.

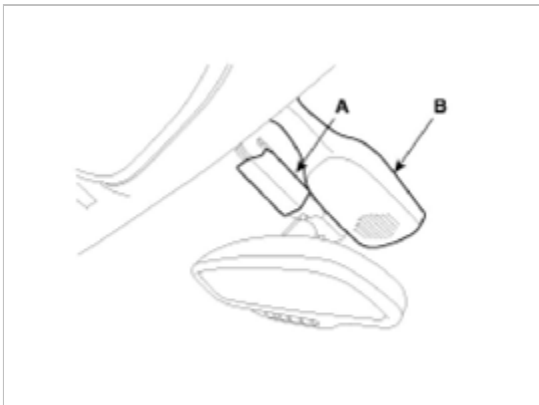
Headliner Replacement

NOTE

- 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:
 - A. Front seat, rear seat assembly
 - B. Door scuff trim
 - C. Front pillar trim
 - D. Center pillar trim
 - E. Rear pillar trim
 - F. Overhead console
 - G. Room lamp
 - H. Sunvisor
 - I. Assist handle

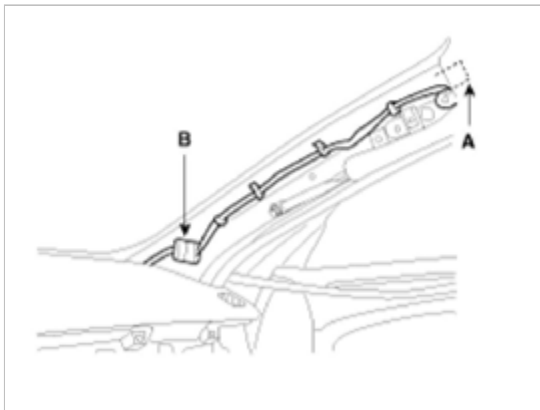
2. Remove the cover (A) and (B).



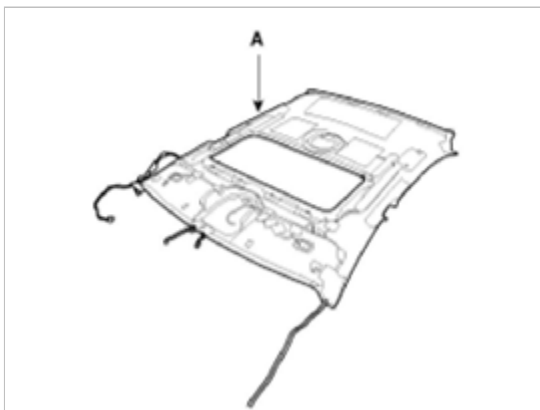
3. Disconnect the connector (A) and (B).



4. Disconnect the connector (A) and (B).



5. Remove the roof trim (A).



6. Installation is the reverse of removal.

NOTE

- Replace any damage clips.

Body (Interior and Exterior) > Interior > Interior Trim > Repair procedures

Replacement

Front Pillar Trim Replacement

NOTE

- 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 pillar trim (A).



2. Installation is the reverse of removal.

NOTE

- Replace any damage clips.

Center Pillar Trim Replacement

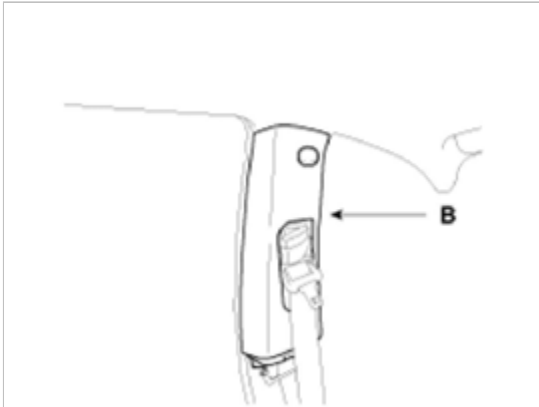
NOTE

- 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 seat belt lower anchor.
2. Remove the front door scuff trim and rear door scuff trim.
3. Remove the center lower trim (A).



4. Remove the center upper trim (B).



5. Installation is the reverse of removal.

NOTE

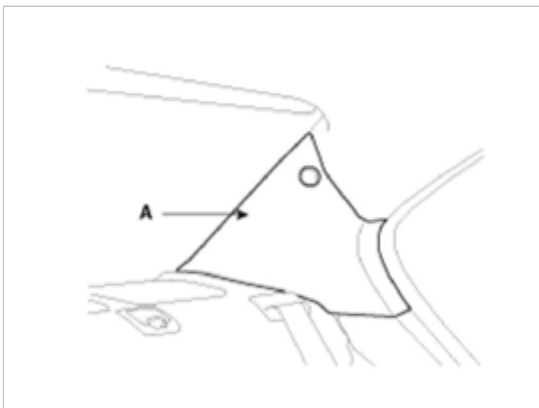
- Replace any damaged clips.

Rear Pillar Trim Replacement

NOTE

- 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 rear pillar trim (A).



2. Installation is the reverse of removal.

NOTE

- Replace any damaged clips.

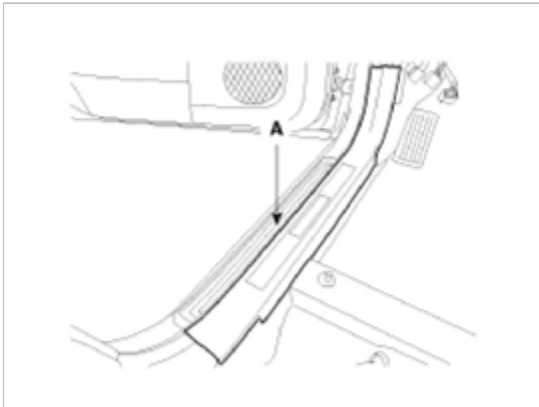
Door Scuff Trim Replacement

NOTE

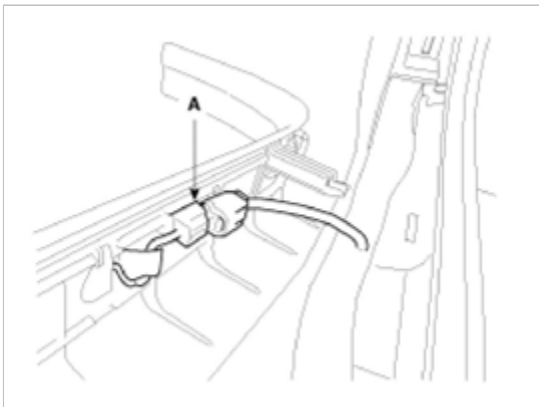
- Put on gloves to protect your hands.
- When prying with a flat-tip screwdriver, wrap it with protective tape to prevent damage.
- Take care not to bend or scratch the trim and panels.

Front

1. Remove the front scuff trim (A).



2. Disconnect the connector (A).



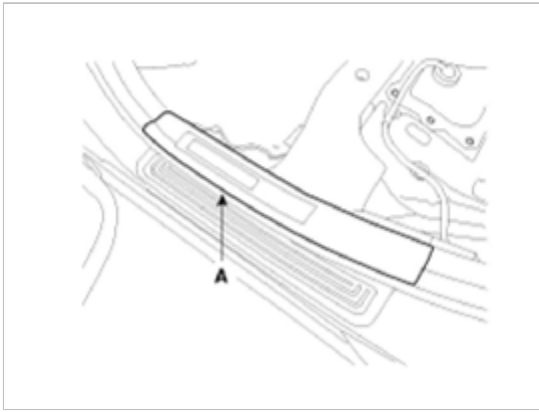
3. Installation is the reverse of removal.

NOTE

- Replace any damaged clips.

Rear

1. Remove the rear door scuff trim (A).



2. Disconnect the connector (A).



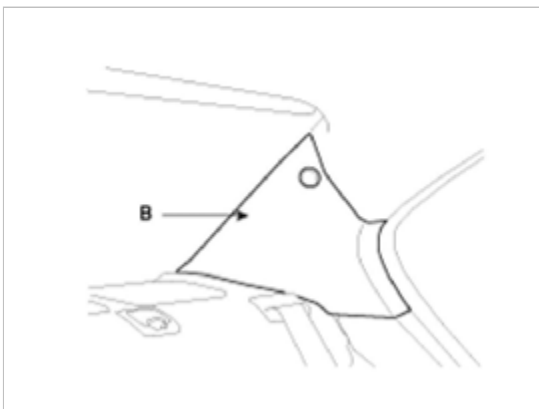
3. Installation is the reverse of removal.

NOTE

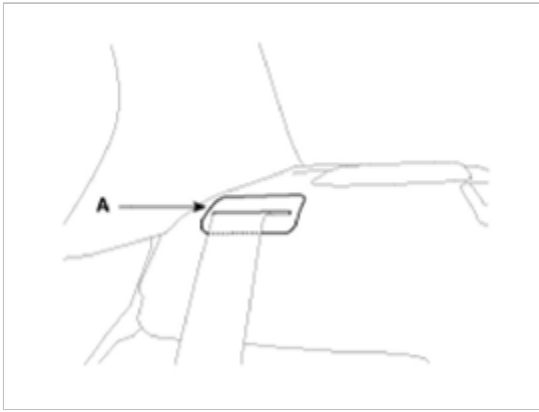
- Replace any damaged clips.

Package Tray Trim Replacement

1. Remove the rear seat assembly.
2. Remove the rear pillar trim (B).



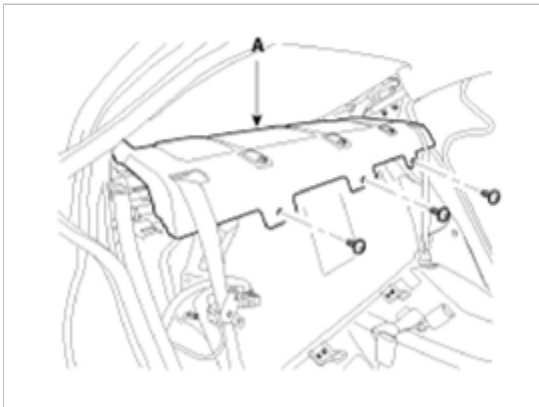
3. Disconnect the cover (A).



4. Remove the rear seat belt lower anchor (A).



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



6. Installation is the reverse of removal.

Body (Interior and Exterior) > Interior > Windshield Glass > Repair procedures

Replacement

Removal

NOTE

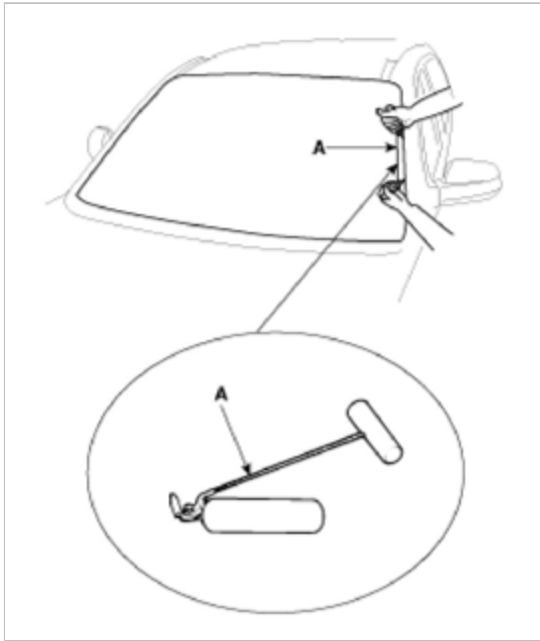
- Put on gloves to protect your hands.
- Use seat covers to avoid damaging any surfaces.

1. Remove the following items.

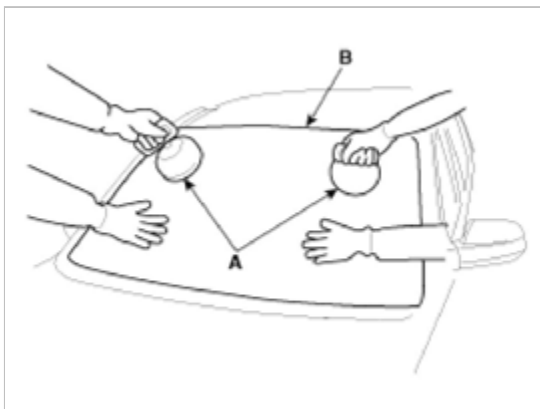
A. Front pillar trim, both sides.

B. Windshield wiper arms and cowl cover (Refer to page BE- “Windshield wiper”).

2. Remove the windshield glass side molding.
3. Cut out the windshield sealant using the sealant cutting tool (A)(09861-31100).

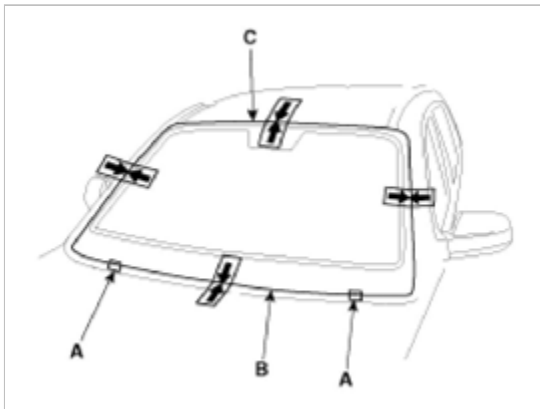


4. Remove the windshield (A) carefully using the glass holder (B).



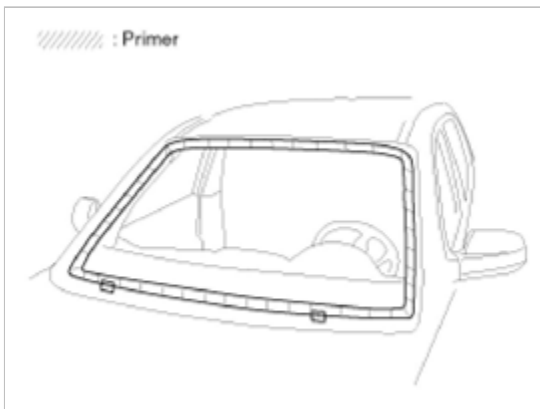
Installation

1. With a scraper, scrape the old adhesive smooth to a thickness of about 2mm (0.08 in.) on the bonding surface around the entire windshield opening flange:
 - A. Do not scrape down to the painted surface of the body; damaged paint will interfere with proper bonding.
 - B. Remove the rubber dam and fasteners from the body.
 - C. 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.
3. 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).
4. Remove the windshield.



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.

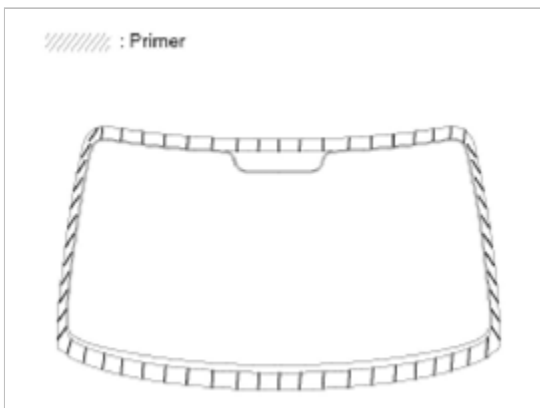
- A. Do not apply glass primer to the body, and be careful not to mix up glass and body primer sponges.
- B. Never touch the primed surfaces with your hands.
- C. Mask off the dashboard before painting the flange.



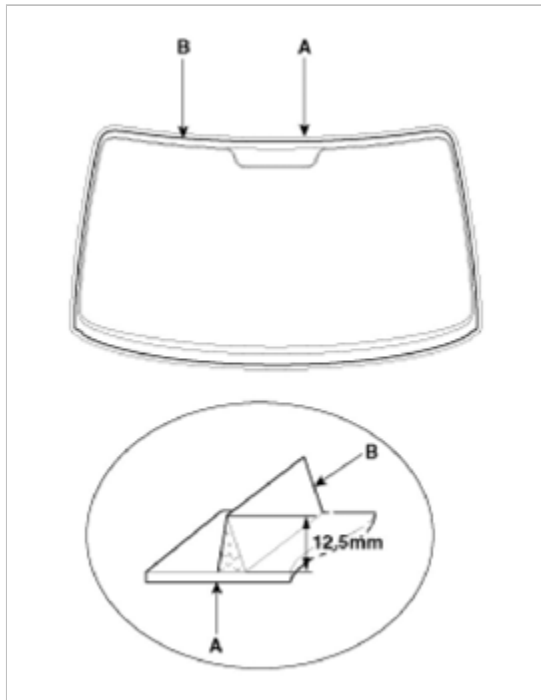
6. Apply a light coat of glass primer to the outside of the fasteners.

NOTE

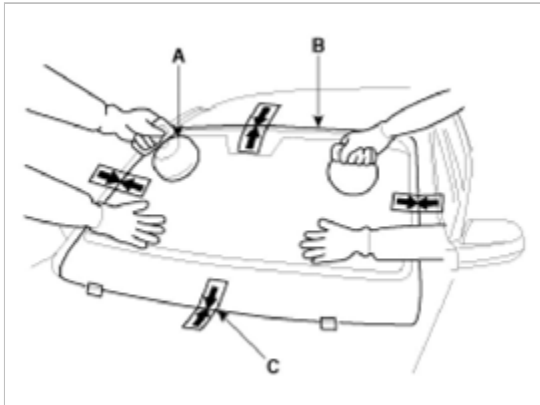
- Never touch the primed surface with your hand. If you do, the adhesive may not bond to the glass properly, causing a leak after the windshield glass is installed.
- Do not apply body primer to the glass.
- Keep water, dust, and abrasive materials away from the primer.



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 (A) around the edge of the windshield (B) 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.



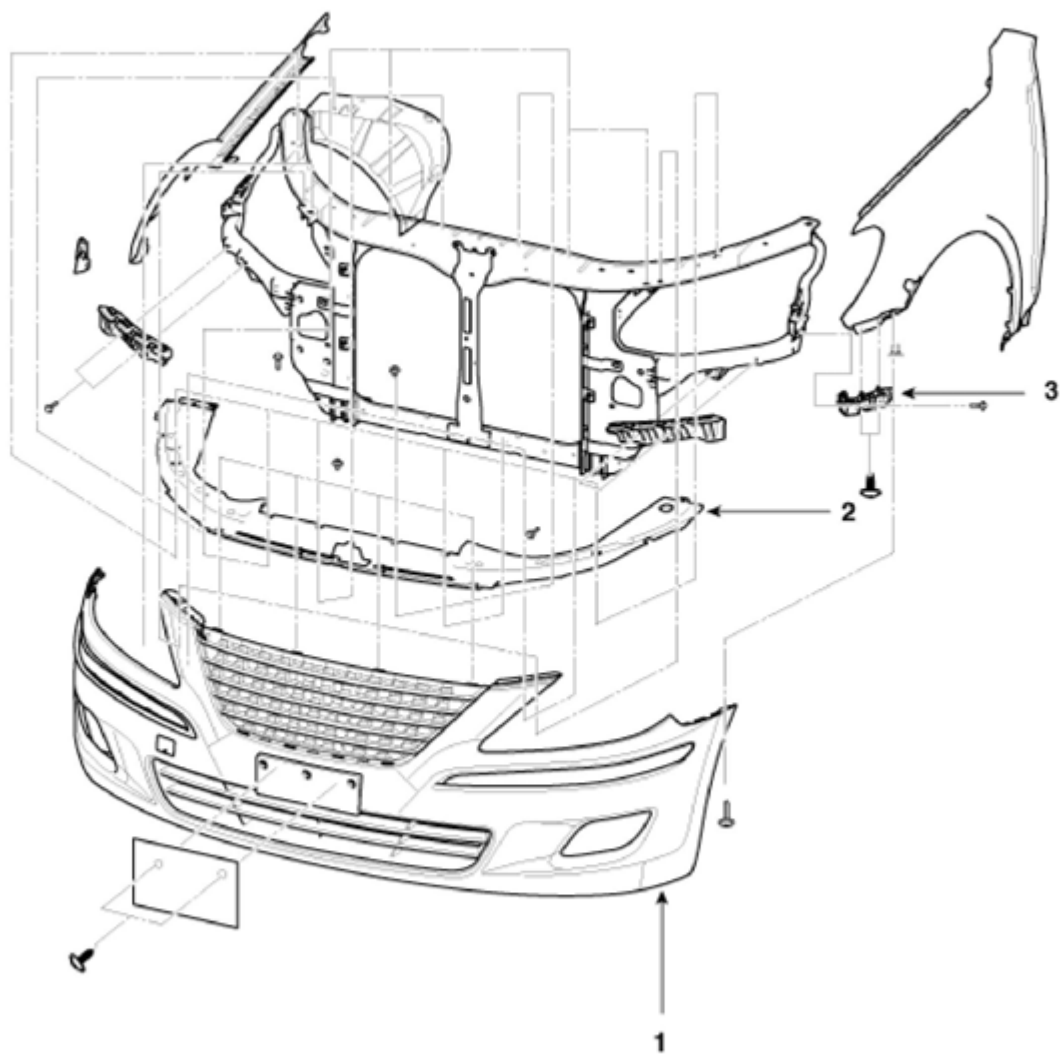
8. Use suction cups (A) to hold the windshield over the opening, align it with the alignment marks (B) made in step 15, and set it down on the adhesive. Lightly push on the windshield until its edges are fully seated on the adhesive all the way around. Do not open or close the doors until the adhesive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



9. 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 windshield and check for leaks. Make leaking areas, and let the windshield dry, then seal with sealant:
- A. Let the vehicle stand for at least four hours after windshield installation. If the vehicle has to be used within the first four, it must be driven slowly.
 - B. Keep the windshield dry for the first hour after installation.
11. 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:
- A. Slam the door with all the windows rolled up.
 - B. Twist the body excessively (such as when going in and out of driveways at an angle or driving over rough, uneven roads)

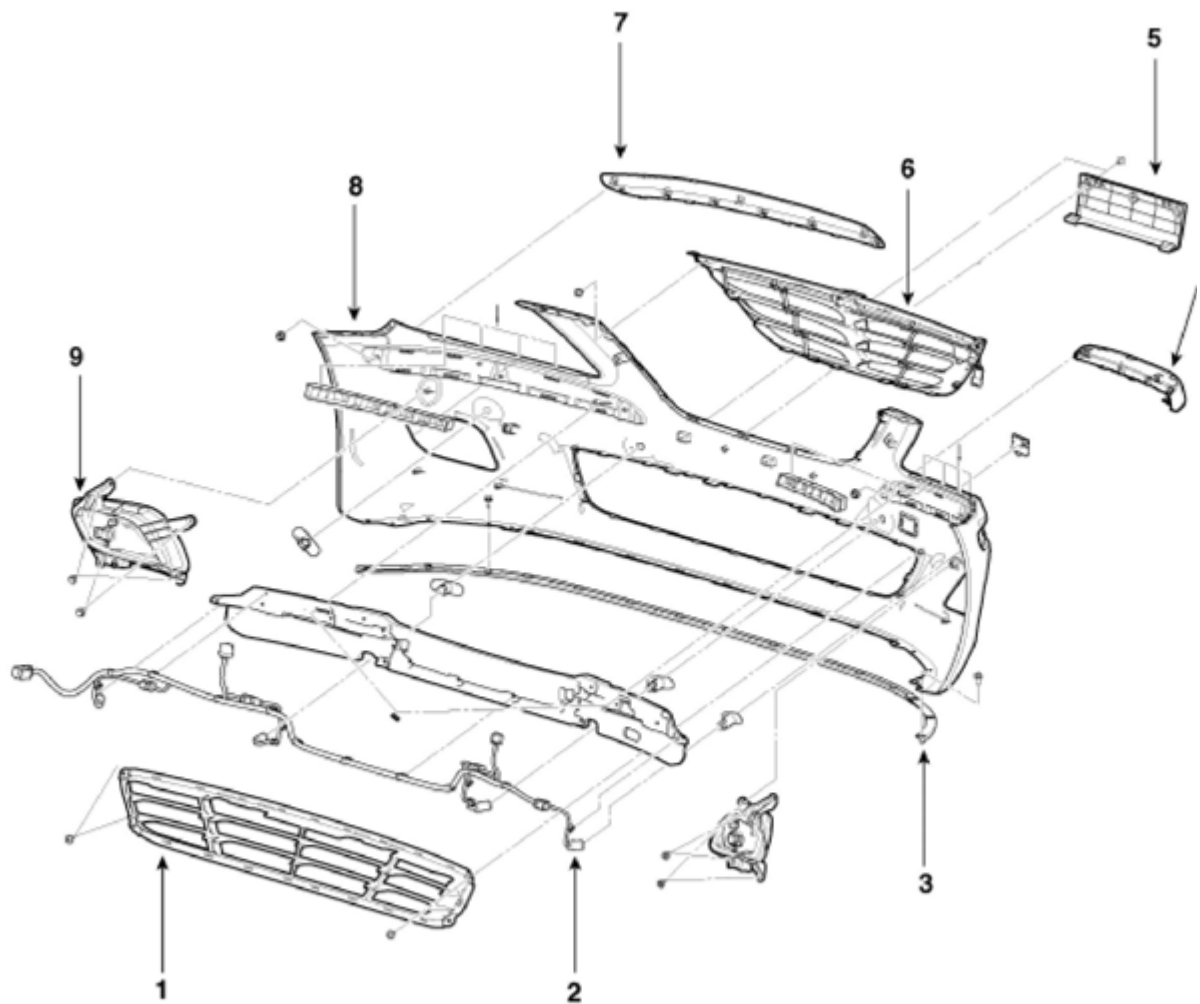
Body (Interior and Exterior) > Bumper > Front Bumper > Components and Components Location

Components



1. Front bumper cover
2. Radiator under cover

3. Front bumper side bracket



1. Front bumper air intake grill
2. Wiring
3. Front bumper lip
4. Front bumper molding

5. molding
6. Front bumper grill
7. Front bumper molding

8. Front bumper cover
9. Fog lamp

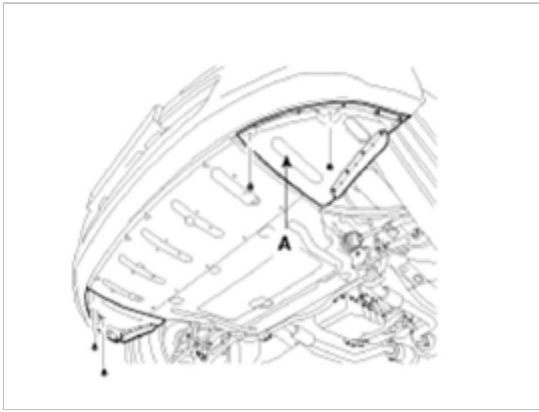
Body (Interior and Exterior) > Bumper > Front Bumper > Repair procedures

Replacement

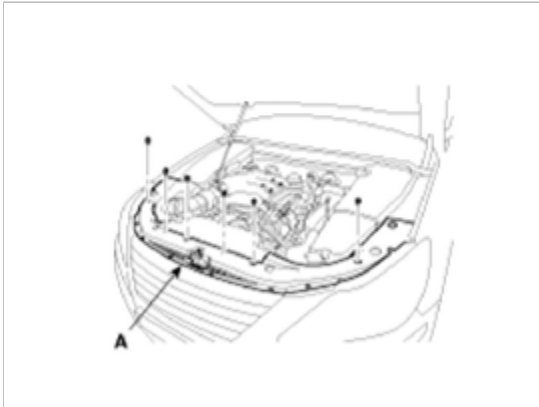
NOTE

- 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.

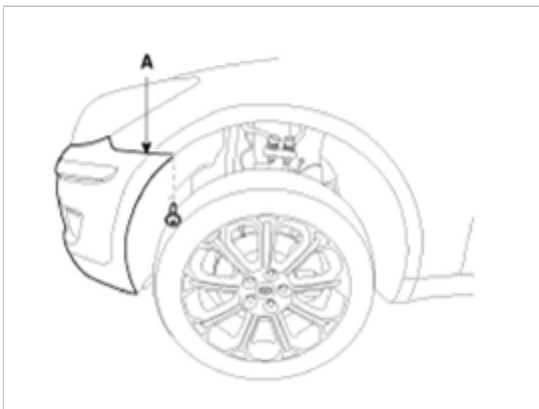
1. Remove the mounting clips (A).



2. Remove the radiator upper cover (A).



3. Remove the bumper side screw (A).



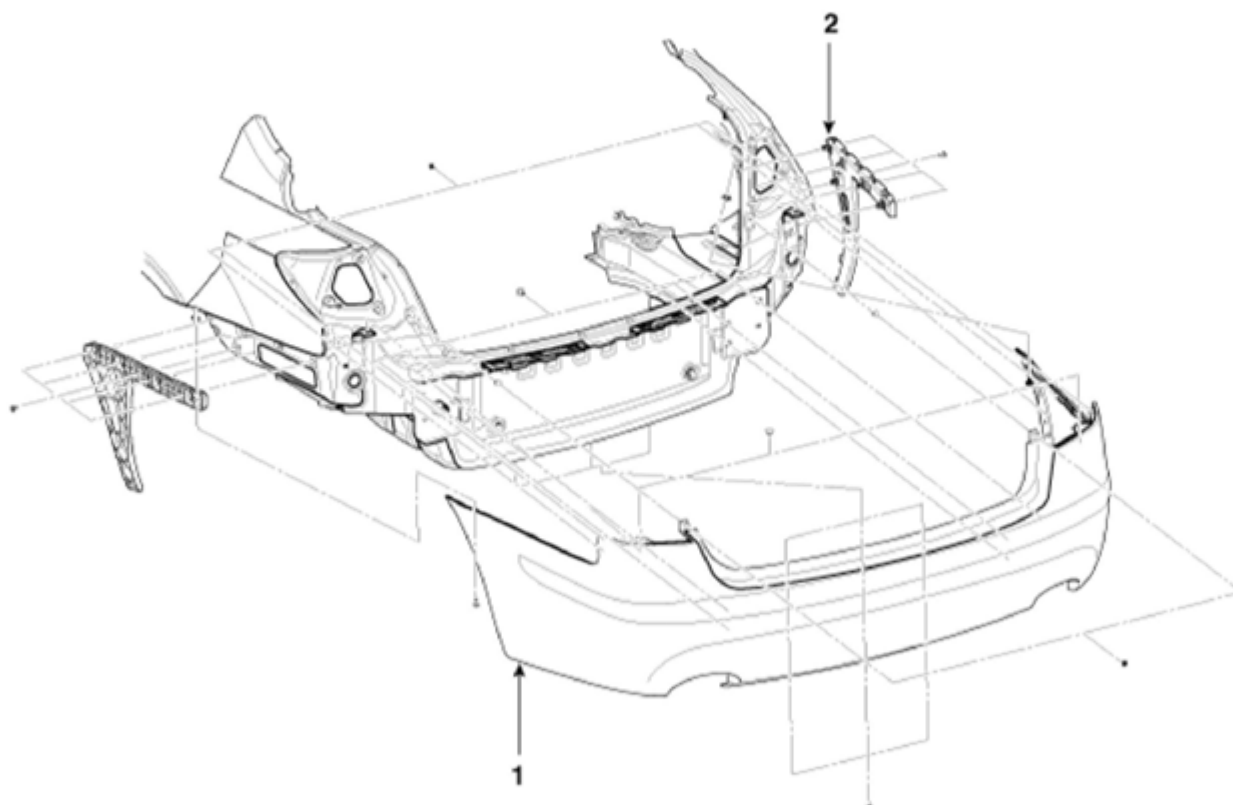
4. Disconnect the connector (A).



5. Installation is the reverse of removal.

Body (Interior and Exterior) > Bumper > Rear Bumper > Components and Components Location

Components



1. Rear bumper

2. Rear bumper mounting bracket

Body (Interior and Exterior) > Bumper > Rear Bumper > Repair procedures

Replacement

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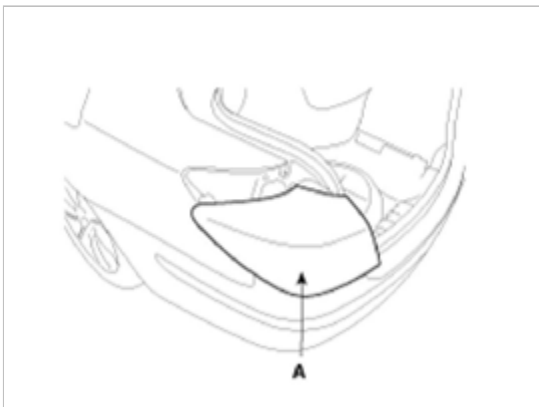
NOTE

- 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.

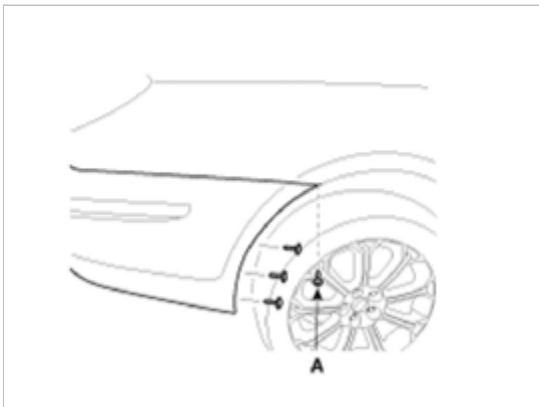
1. Remove the transverse trim.
2. Remove the luggage side trim.
3. Disconnect the connector (A).
4. Remove the rear combination lamp mounting nuts.



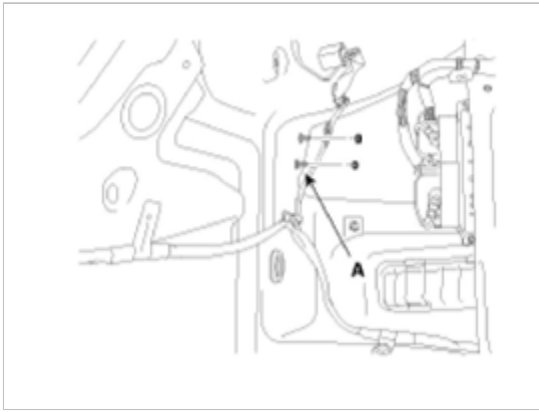
5. Remove the rear combination lamp (A).



6. Remove the side bumper screws (A).



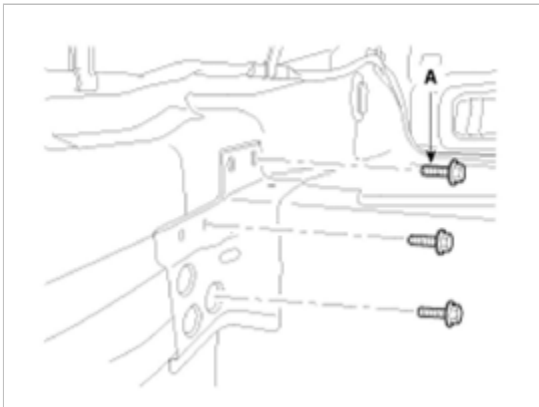
7. Remove the mounting nuts (A).



8. Disconnect the connector (A).

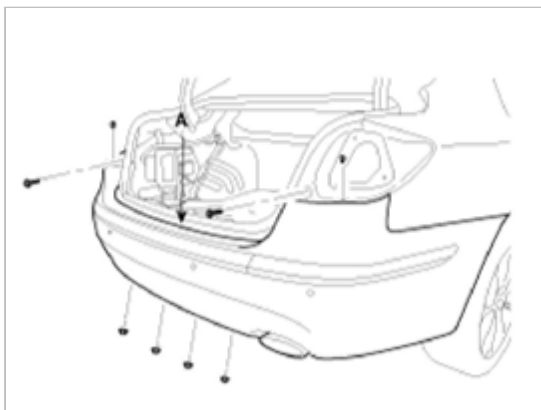


9. Remove the mounting bolts (A).



10. Loosen the rear bumper cover screws and clips.

11. Remove the rear bumper cover (A).



12. Installation is the reverse of removal.

NOTE

- Replace any damage clips.

Body (Interior and Exterior) > Seat & Power Seat > Front Seat > Repair procedures

Replacement

Seat Assembly Replacement

Driver's

1. Remove the seat belt lower anchor cover (A).



2. After loosening the seat belt lower anchor mounting bolt, remove the seat belt lower anchor (A).

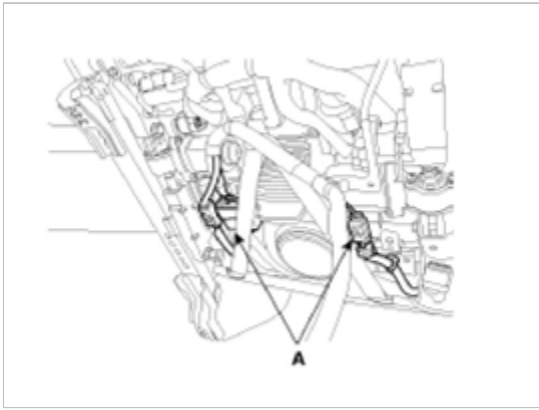


3. Remove the seat assembly mounting cover.

4. After loosening the seat assembly mounting bolts, remove the seat assembly (A).



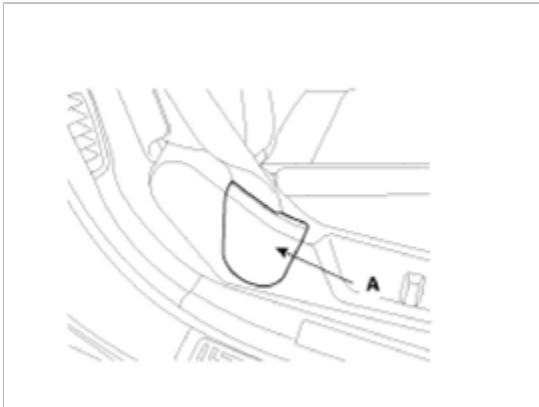
5. Disconnect the connectors (A), and remove the seat assembly.



6. Installation is the reverse of removal.

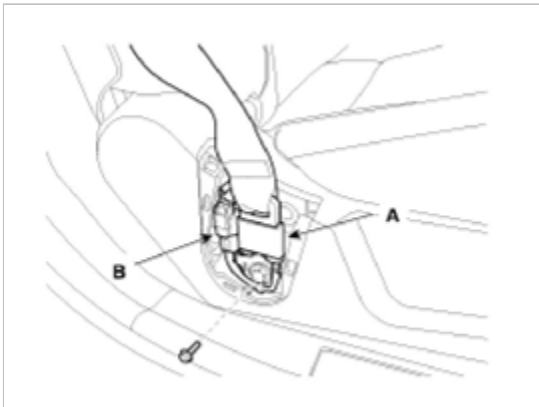
Passenger's

1. Remove the seat belt lower anchor cover (A)

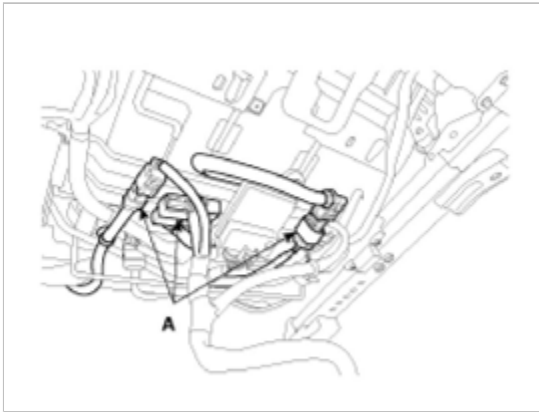


2. After loosening the seat belt lower anchor mounting bolt, remove the seat belt lower anchor (A).

3. Disconnect connector (B).



4. Disconnect the connectors (A), and remove the seat assembly.



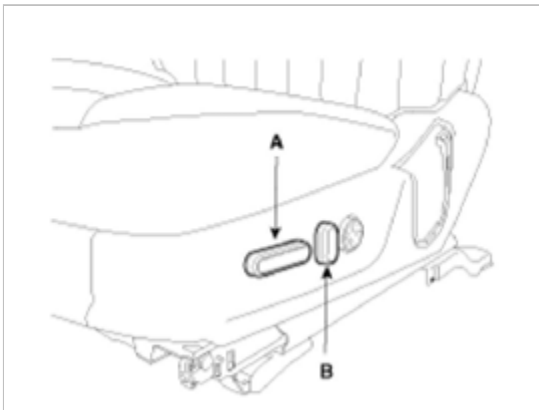
5. Installation is the reverse of removal.

NOTE

- Be sure to perform PODS re-zero with Hi-scan (PRO) after replacing parts (Passenger's)
(Refer to page RT - Airbag)

Recliner Cover Replacement

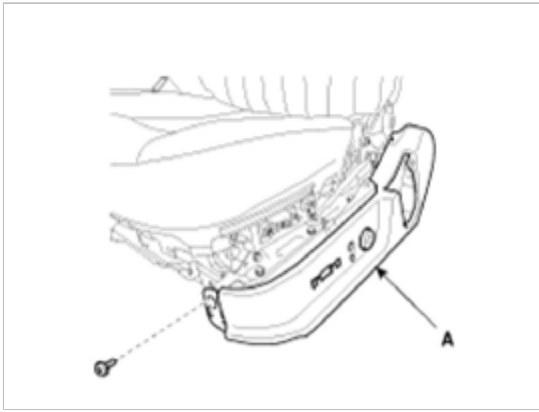
1. Remove the lever (A) and (B).



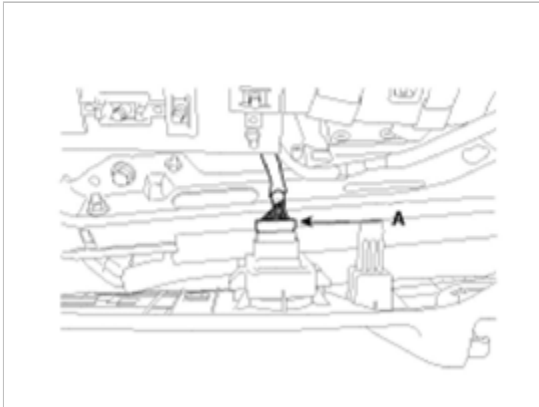
2. Remove the cover (A).



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



4. Disconnect the connector (A).



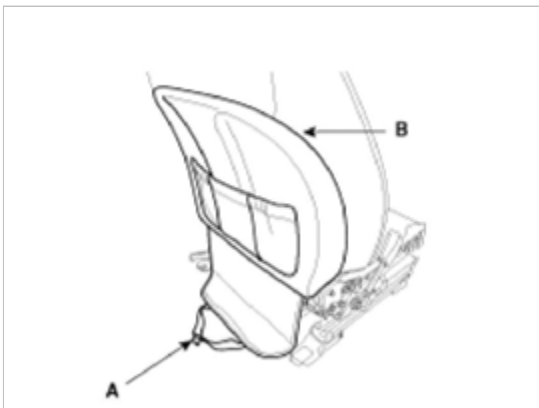
5. Installation is the reverse of removal.

NOTE

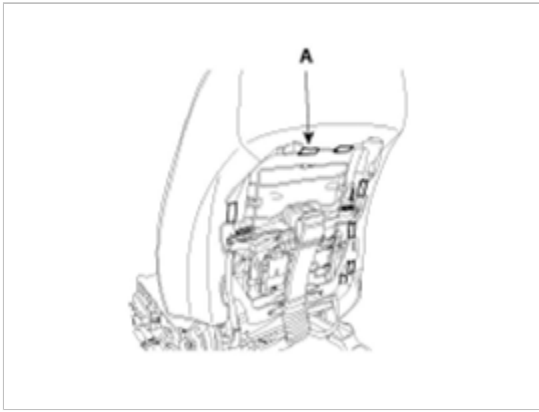
- Be sure to perform PODS re-zero with Hi-scan (PRO) after replacing parts (Passenger's) (Refer to page RT - Airbag)

Seat Back Cover Replacement

1. Remove front seat assembly.
2. Remove the headrest.
3. After disconnecting the scuff band (A), remove the seat back panel (B).



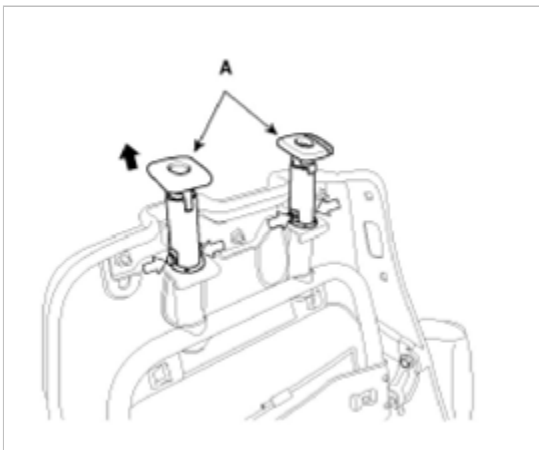
4. Disconnect the protector (A) from the back frame.



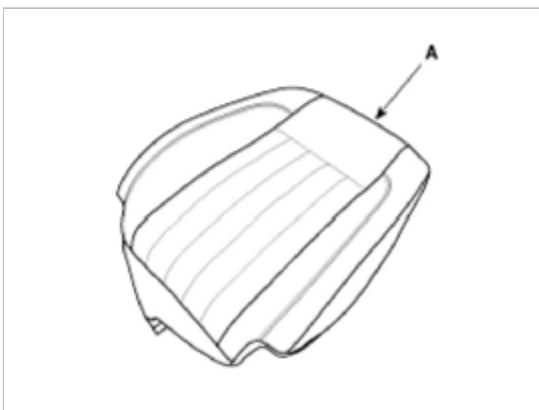
5. Disconnect the connector (A).



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



7. After removing the hog-ring clips on the front of seat cushion and remove the seat cushion cover (A).



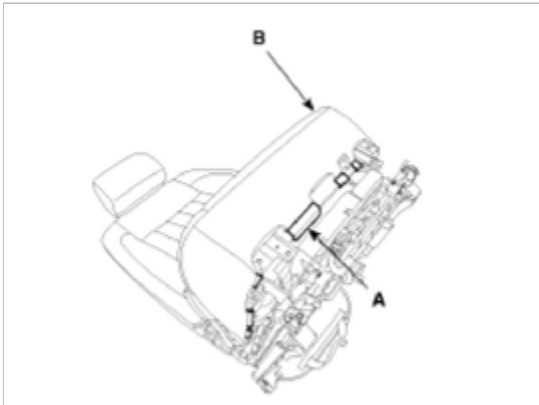
8. Installation is the reverse of removal.

NOTE

- Be sure to perform PODS re-zero with Hi-scan (PRO) after replacing parts (Passenger's) (Refer to page RT - Airbag)

Seat Cushion Cover Replacement

1. Remove front seat assembly.
2. Remove the recliner cover.
3. After disconnect the protector (A), remove the seat cushion (B).



4. After removing the hog-ring clips on the front of seat cushion and remove the seat cushion cover (A).



5. Installation is the reverse of removal.

NOTE

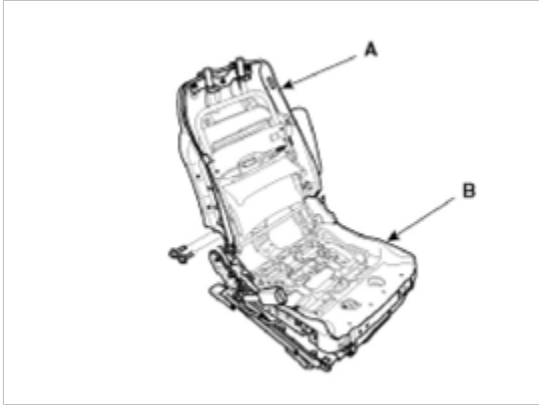
- Be sure to perform PODS re-zero with Hi-scan (PRO) after replacing parts (Passenger's) (Refer to page RT - Airbag)

Seat Frame Replacement

1. Remove the following items:
 - A. Recliner cover
 - B. Seat back panel
 - C. Headrest guide
 - D. Seat back cover
2. After loosening the mounting bolts, then disconnect the seat back frame (A) and seat cushion frame (B).

NOTE

- 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



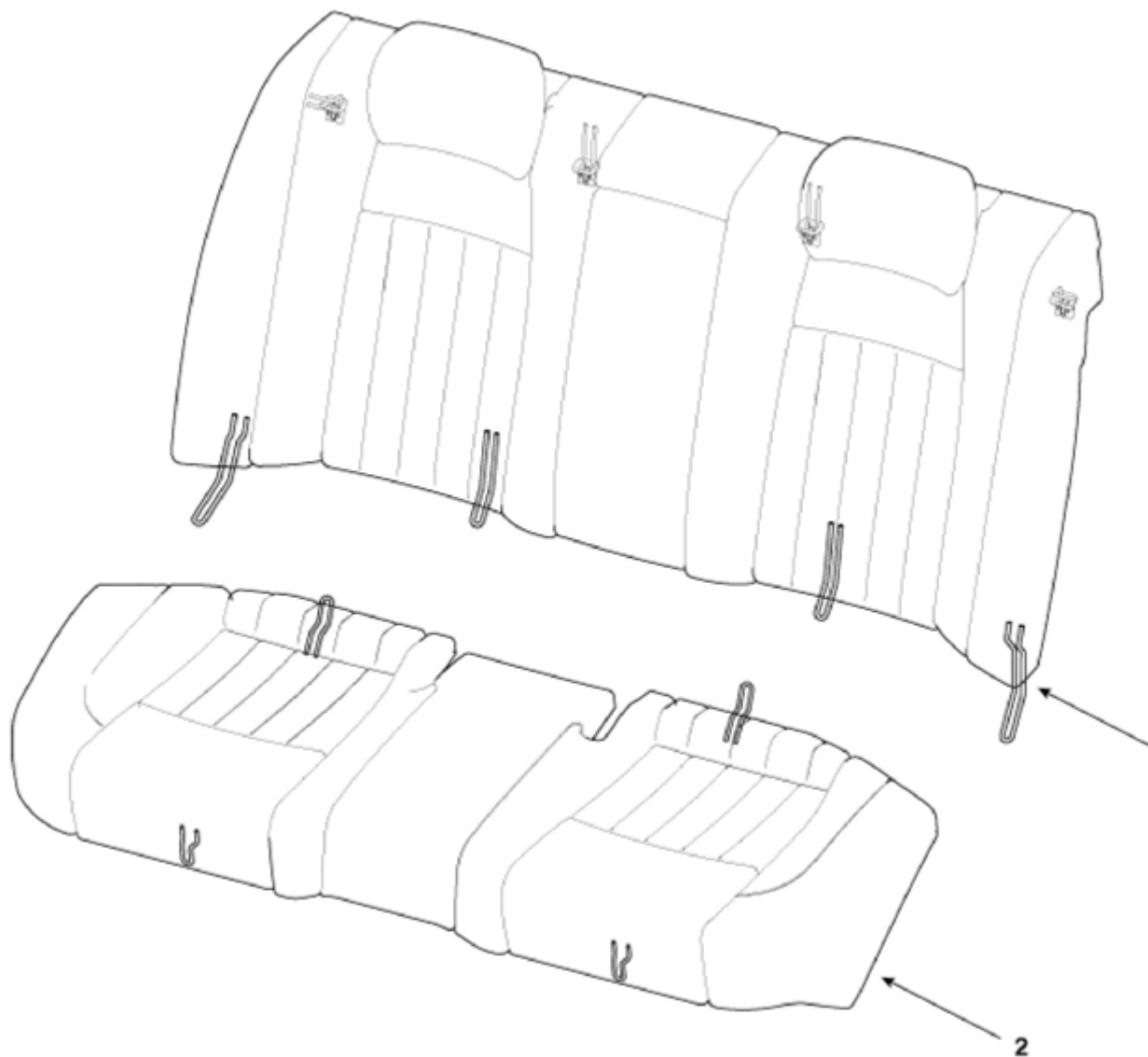
3. Installation is the reverse of removal.

NOTE

- Be sure to perform PODS re-zero with Hi-scan (PRO) after replacing parts (Passenger's)
(Refer to page RT - Airbag)

Body (Interior and Exterior) > Seat & Power Seat > Rear Seat > Components and Components Location

Components



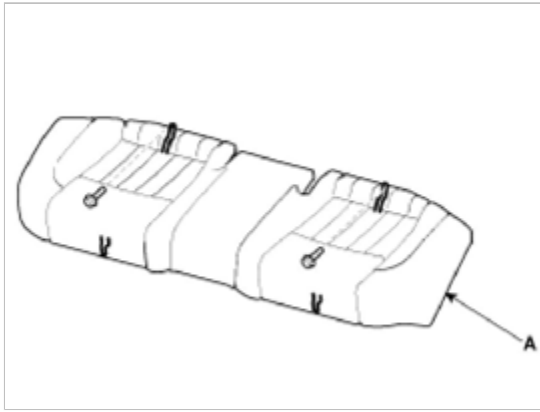
- | | |
|---------------------------------|--|
| 1. Seat back
2. Seat cushion | |
|---------------------------------|--|

Body (Interior and Exterior) > Seat & Power Seat > Rear Seat > Repair procedures

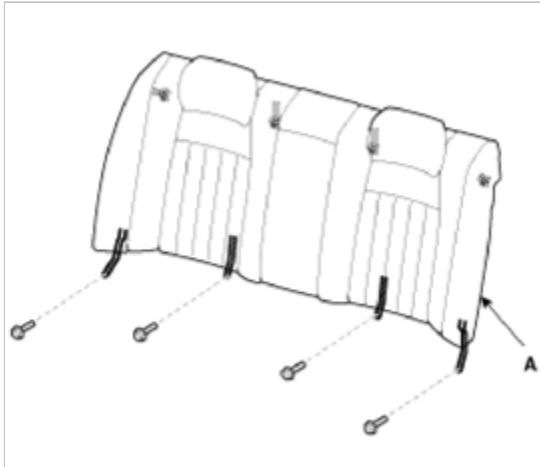
Replacement

Seat Assembly Replacement

1. Remove the seat cushion (A).



2. Loosen the mounting bolts, remove the rear seat back (A).



3. Installation is the reverse of removal.

Body (Interior and Exterior) > Seat Belt > Front Seat Belt > Repair procedures

Replacement

Front Seat Belt Replacement

CAUTION

- When installing the front seat belt, make sure not to damage the pretensioner.

1. Disconnect the battery negative cable, and wait for at least three minutes before beginning work.
2. Remove the following items first:
 - A. Front seat assembly
 - B. Door scuff trim
3. Remove the seat belt lower anchor cover (A).



4. Loosen the lower anchor mounting bolt (A).

Tightening torque :

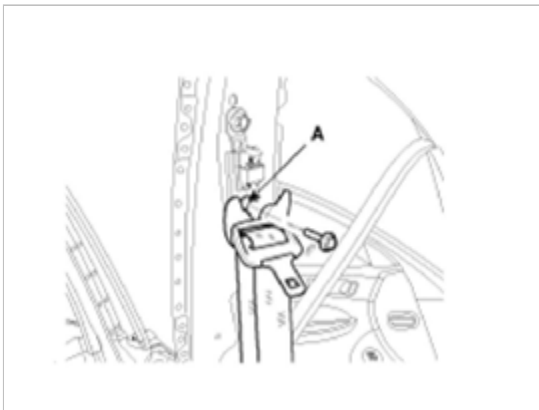
39.2 ~ 53.9 N.m (4.0 ~ 5.5 kgf.m, 28.9 ~ 39.8 lb-ft)



5. Remove the center pillar lower trim.
6. Remove the center pillar upper trim.
7. Remove the upper anchor (A).

Tightening torque :

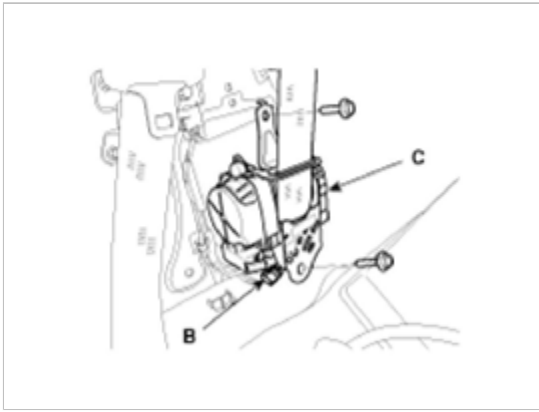
39.2 ~ 53.9 N.m (4.0 ~ 5.5 kgf.m, 28.9 ~ 39.8 lb-ft)



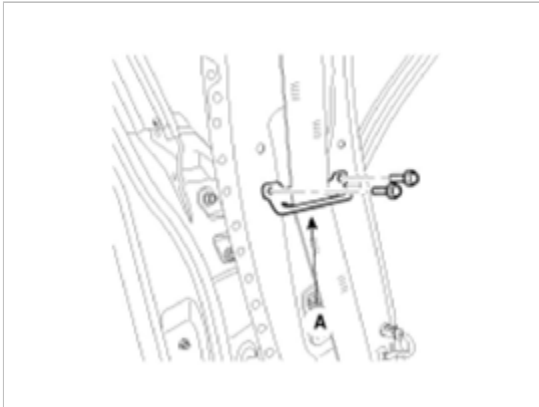
8. After disconnecting the pretensioner connector lock pin, remove the SQUIB connector (B), Loosen the mounting bolt, then remove the pretensioner (C).

Tightening torque :

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



9. Remove the seat belt guide bracket (A).



10. Installation is the reverse of removal.

Height Adjuster Replacement

1. Remove the following items first:

- A. Front seat assembly
- B. Door scuff trim
- C. Front seat belt
- D. Center pillar trim

2. After loosening the mounting bolt, then remove the height adjuster (A).

Tightening torque :

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



3. Installation is the reverse of removal.

Front Seat Belt Buckle Replacement

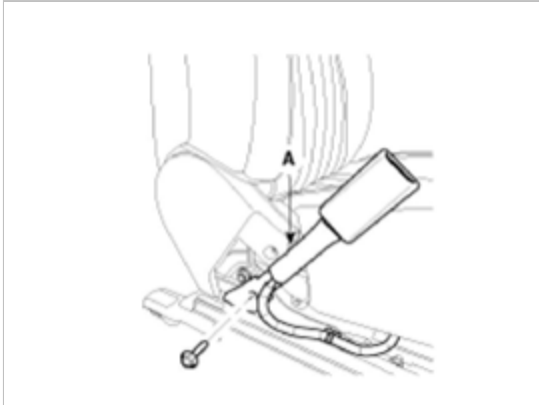
1. Remove the following items first:

A. Front seat assembly

2. Remove the wire harness of buckle from seat.
3. Remove the seat belt buckle (A).

Tightening torque :

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



4. Installation is the reverse of removal.

Body (Interior and Exterior) > Seat Belt > Rear Seat Belt > Repair procedures

Replacement

Rear Seat Belt Relacement

CAUTION

- When installing the belt, make sure not to damaged the retractor.

1. Remove the following items first:
 - A. Rear seat assembly
2. Remove the lower anchor (A).

Tightening torque :

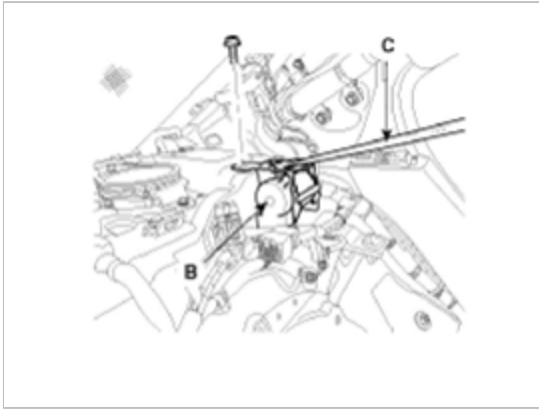
39.2~53.9N.m (4.0~5.5kgf.m,28.9~39.8 lb-ft)



3. Remove the package tray trim.
 4. After loosening the retractor (B) mounting bolt, remove the rear seat belt (C).
-

Tightening torque :

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



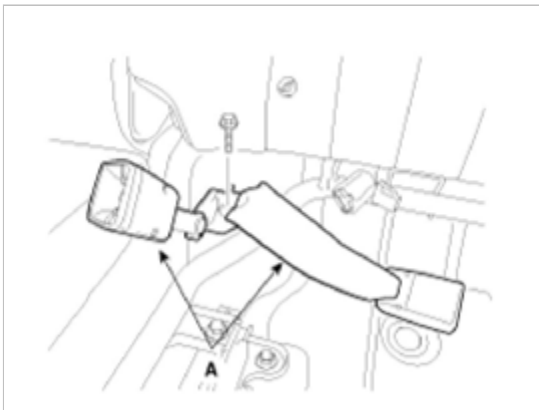
5. Installation is the reverse of removal.

Rear Seat Belt Buckle Replacement

1. Remove the rear seat assembly.
 2. Remove the rear seat belt buckle (A).
-

Tightening torque :

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



3. Installation is the reverse of removal.