

SPORTAGE(SL) > 2013 > G 2.0 T-GDI > Body (Interior and Exterior)**Body (Interior and Exterior) > General Information > Specifications**

Specifications

Items		Specification
Hood	Type	Rear hinged, front opening type
Front Door	Construction	Front hinged, full door construction
	Regulator system	Double-arm type
	Locking system	Pin-fork system
Rear Door	Construction	Front hinged, full door construction
	Regulator system	Wire-drum type
	Locking system	Pin-fork system
Tail Gate	Type	Front hinged, gas lifter type
Seat Belts	Front	3 point type with Emergency Locking Retractor (E.L.R)
	Rear	3 point type with Emergency Locking Retractor (E.L.R) 2 point type

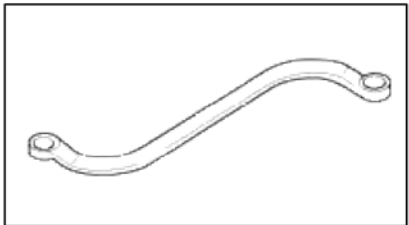
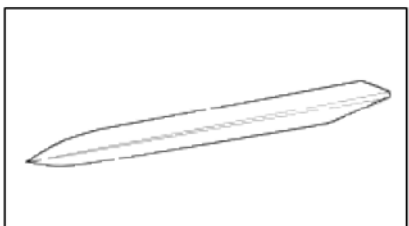
Tightening Torque

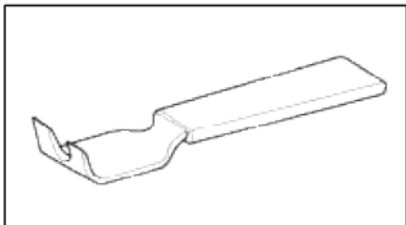
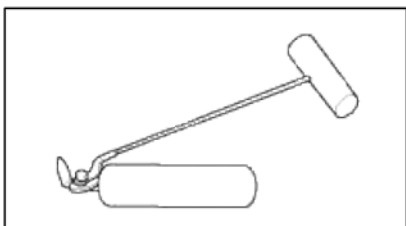
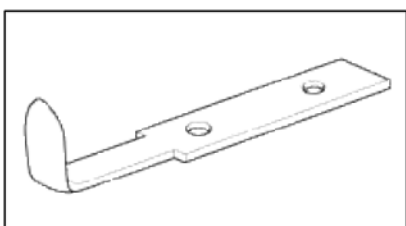
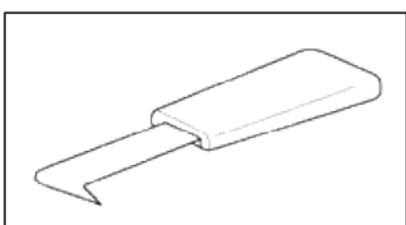
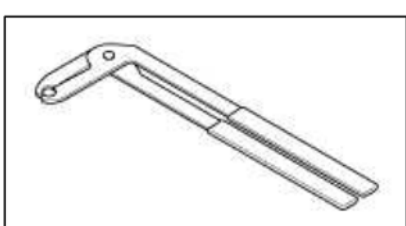
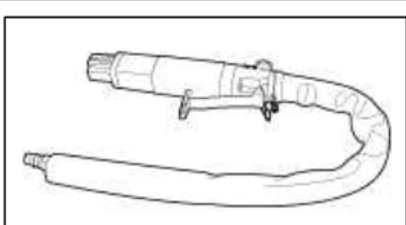
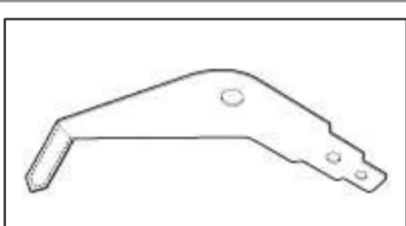
Items		N.m	Kgf.m	lb-ft
Front and rear doors	Door hinge to body	34.3 ~ 41.2	3.5 ~ 4.2	25.3 ~ 30.4
	Door hinge to door	21.6 ~ 26.5	2.2 ~ 2.7	15.9 ~ 19.5
	Door checker to door	6.9 ~ 10.8	0.7 ~ 1.1	5.1 ~ 8.0
	Door checker to body	16.7 ~ 21.6	1.7 ~ 2.2	12.3 ~ 15.9
	Door glass mounting bolt	6.9 ~ 10.8	0.7 ~ 1.1	5.1 ~ 8.0
	Outside handle base mounting bolt	6.9 ~ 10.8	0.7 ~ 1.1	5.1 ~ 8.0
	Door channel mounting nuts	6.9 ~ 10.8	0.7 ~ 1.1	5.1 ~ 8.0
	Latch mounting bolts	6.9 ~ 10.8	0.7 ~ 1.1	5.1 ~ 8.0
	Door module mounting bolts	6.9 ~ 10.8	0.7 ~ 1.1	5.1 ~ 8.0
	Door striker mounting bolts	16.7 ~ 21.6	1.7 ~ 2.2	12.3 ~ 15.9
Tail gate	Tail gate hinge to tail gate	21.6 ~ 26.5	2.2 ~ 2.7	15.9 ~ 19.5
	Tail gate hinge to body	21.6 ~ 26.5	2.2 ~ 2.7	15.9 ~ 19.5
	Tail gate latch mounting bolts	6.9 ~ 10.8	0.7 ~ 1.1	5.1 ~ 8.0
	Tail gate striker mounting bolts	21.6 ~ 26.5	2.2 ~ 2.7	15.9 ~ 19.5
Hood	Hood hinge to body	21.6 ~ 26.5	2.2 ~ 2.7	15.9 ~ 19.5

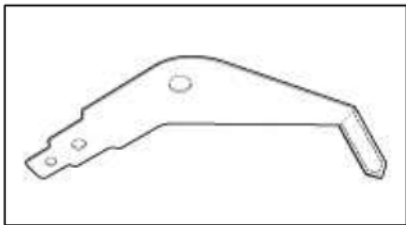
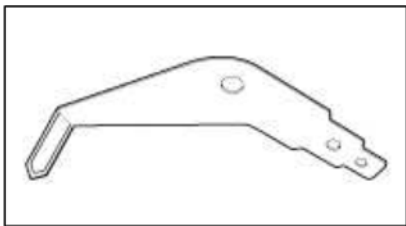
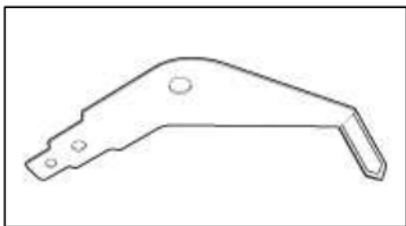
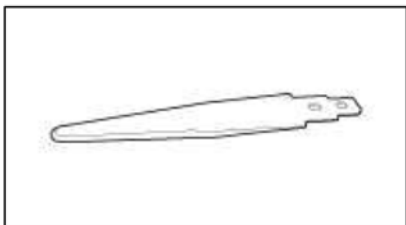
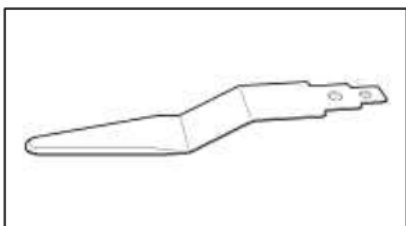
	Hood hinge to hood	21.6 ~ 26.5	2.2 ~ 2.7	15.9 ~ 19.5
	Hood latch to body mounting bolts	7.8 ~ 11.8	0.8 ~ 1.2	5.8 ~ 8.7
	Hood latch to body mounting nuts	6.9 ~ 10.8	0.7 ~ 1.1	5.1 ~ 8.0
Seat	Front seat mounting bolts	49.0 ~ 63.7	5.0 ~ 6.5	36.2 ~ 47.0
	Front seat frame mounting bolts	49.0 ~ 63.7	5.0 ~ 6.5	36.2 ~ 47.0
	Rear seat mounting bolts	49.0 ~ 63.7	5.0 ~ 6.5	36.2 ~ 47.0
Seat belt	Height adjuster mounting bolts	39.2 ~ 53.9	4.0 ~ 5.5	28.9 ~ 39.8
	Front seat belt upper anchor mounting bolt	39.2 ~ 53.9	4.0 ~ 5.5	28.9 ~ 39.8
	Front seat belt lower anchor mounting bolt	39.2 ~ 53.9	4.0 ~ 5.5	28.9 ~ 39.8
	Front seat belt retractor mounting bolt	39.2 ~ 53.9	4.0 ~ 5.5	28.9 ~ 39.8
	Rear seat belt lower anchor mounting bolt	39.2 ~ 53.9	4.0 ~ 5.5	28.9 ~ 39.8
	Rear seat belt retractor mounting bolt	39.2 ~ 53.9	4.0 ~ 5.5	28.9 ~ 39.8
	Seat belt buckle mounting bolt	39.2 ~ 53.9	4.0 ~ 5.5	28.9 ~ 39.8
Roof rack	Roof rack mounting nuts	3.9 ~ 4.4	0.4 ~ 0.45	2.9 ~ 3.3
Outside rearview mirror	Outside rearview mirror mounting nuts	6.9 ~ 10.8	0.7 ~ 1.1	5.1 ~ 8.0
Wiper arm	Wiper arm mounting nuts	22.6 ~ 26.5	2.3 ~ 2.7	16.6 ~ 19.5
Panoramaroof	Panoramaroof mounting nuts	19.6 ~ 29.4	2.0 ~ 3.0	14.5 ~ 21.7
	Panoramaroof mounting bolts	19.6 ~ 29.4	2.0 ~ 3.0	14.5 ~ 21.7
	Panoramaroof earthing mounting bolt	10.8 ~ 13.7	1.1 ~ 1.4	8.0 ~ 10.1

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

Special 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
09816-2P100 Power silent cutting tool		Tool box for removing panoramaroof
09816-2P110 Air power tool		Air tool for installing blade
09816-2P121 Cutter-1		Blade for removing the front and side area of panoramaroof (This blade has a inclination to progress upward.)

09816-2P122 Cutter-2		Blade for removing the front and side area of panoramaroof (This blade has a inclination to progress upward.)
09816-2P123 Cutter-3		Blade for removing the front and side area of panoramaroof (This blade has a inclination to progress downward.)
09816-2P124 Cutter-4		Blade for removing the front and side area of panoramaroof (This blade has a inclination to progress downward.)
09816-2P127 Cutter-7		Blade for removing the front glass
09816-2P130 Cutter-10		Blade for removing the edge area of panoramaroof

Body (Interior and Exterior) > General Information > Troubleshooting

Troubleshooting

Symptom	Suspect Area	Remedy
Water leaks from panoramaroof	Deteriorated roof lid weatherstrip	Replace
	Excessive roof lid-to-body clearance and Improperly fitted weatherstrip	Adjust
Wind noise around sunroof	Loose or deformed deflector, gapsIn body work	Retighten adjust or replace
Noise heard when opening/ closing panoramaroof	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 completely	Striker and latch not properly aligned	Adjust
	Incorrectly installed hood	Adjust
	Incorrect hood bumper height	Adjust
Water leak through windshield and rear window	Defective seal	Fill with sealant
	Defective flange	Correct

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

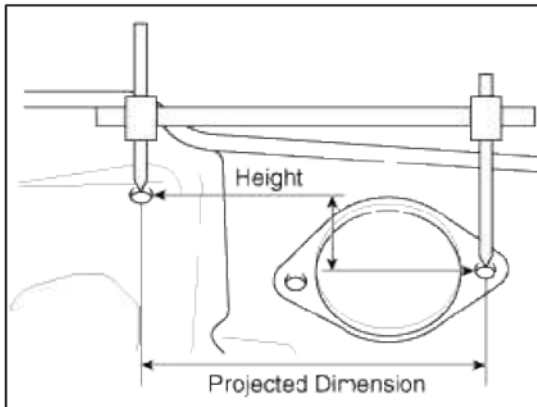
General

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 is adjustable, make the measurement by lengthening one probe by the amount equivalent to the difference in height of the two surfaces.

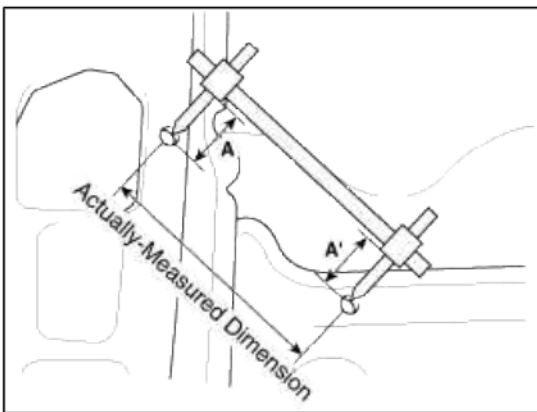


Actual-Measurement Dimensions

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 ($A=A'$).

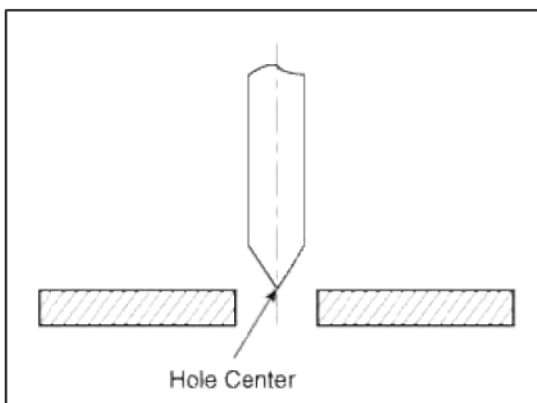
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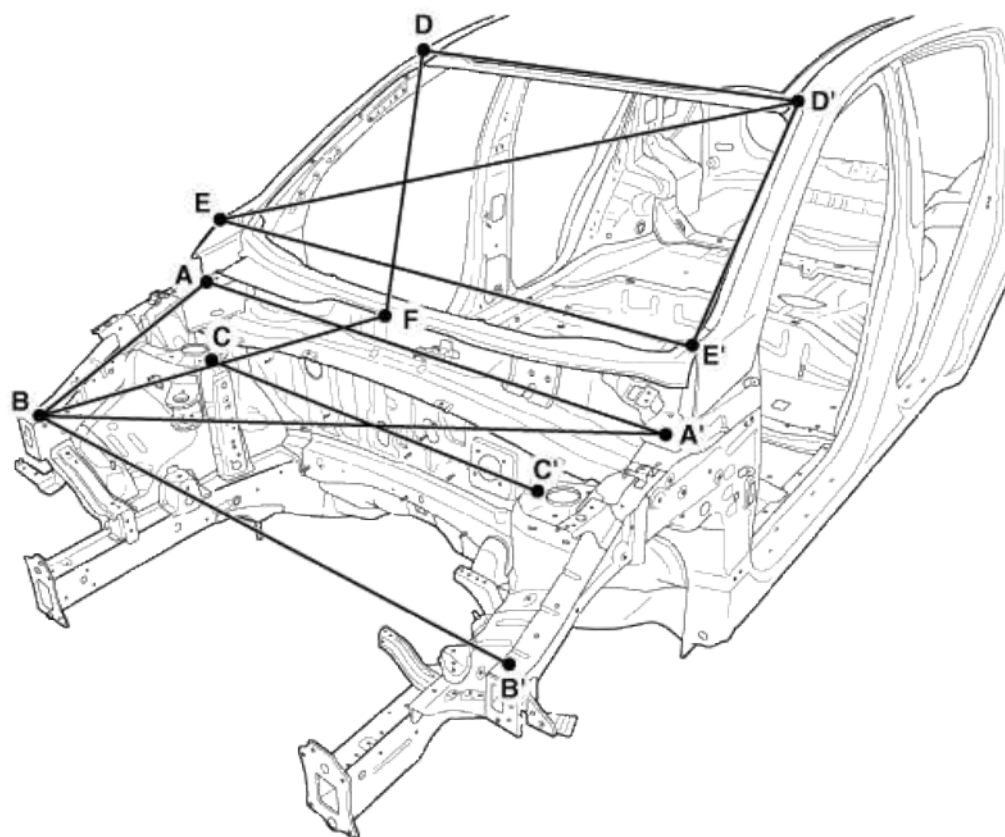
Check the probes and gauge itself to make sure there is no free play.



Measurement Point

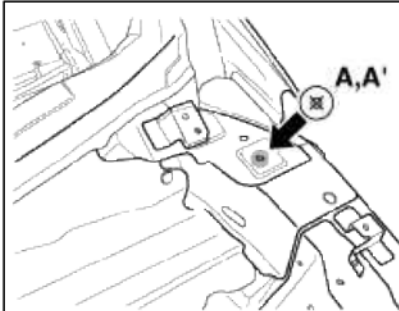
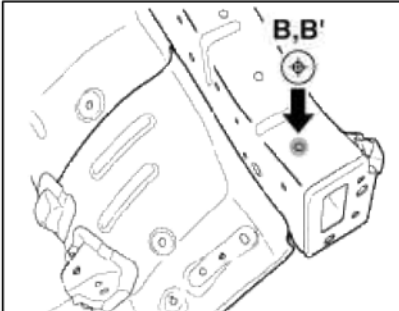
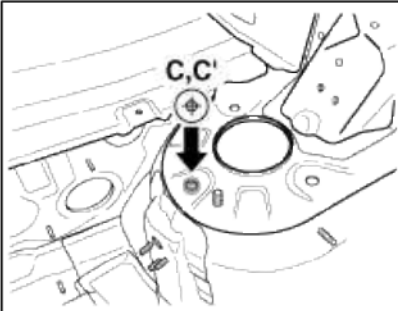
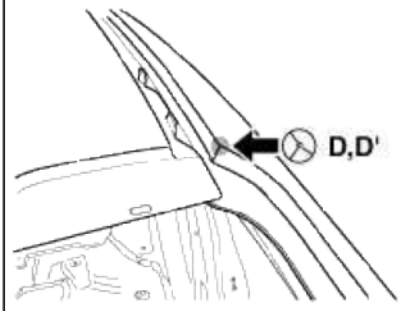
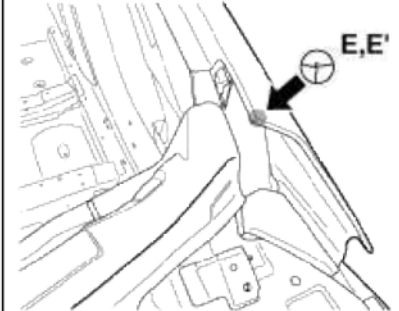
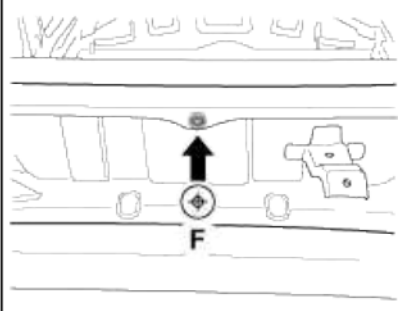
1. Measurements should be taken at the hole center.



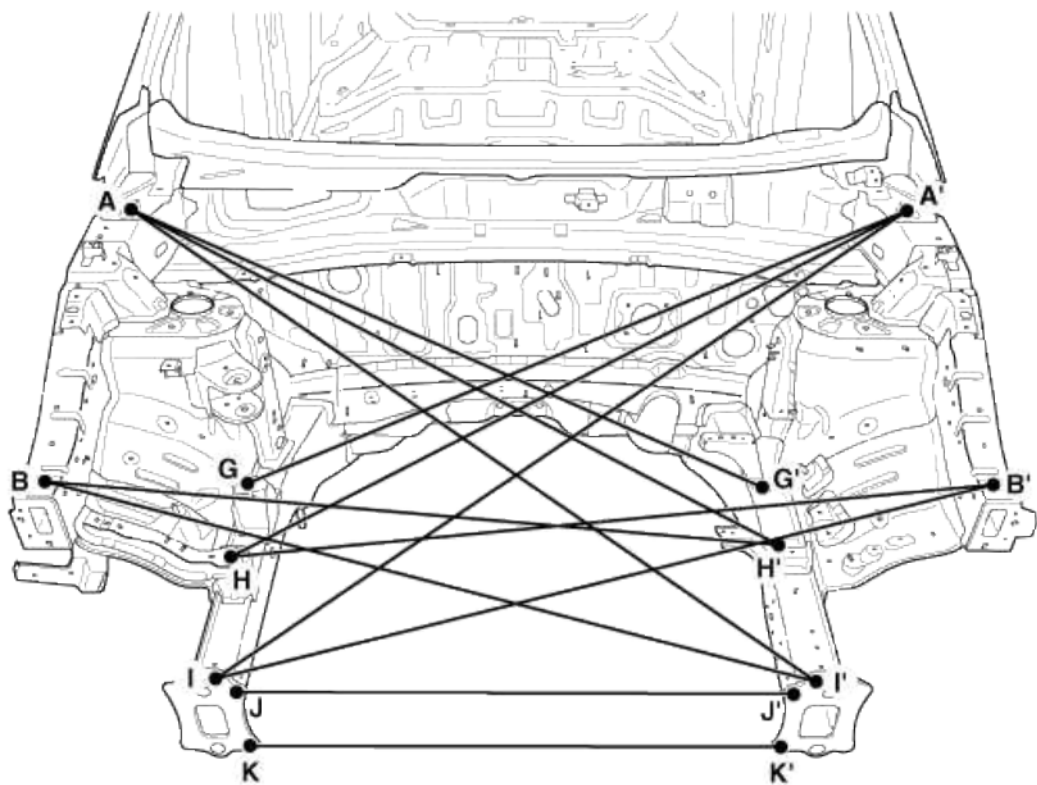
Body (Interior and Exterior) > Body Dimensions > Front Body > Body Repair
Front Body A


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

Point symbol	A-A'	A-B/A'-B'	A-B'/A'-B	B-B'	C-C'	D-D'	D-E/D'-E'	D-E'/D'-E
Length(mm)	1467	587	1605	1520	1068	1191	795	1538
Point symbol	E-E'	F-B/F-B'	F-D/F-D'					
Length(mm)	1455	962	1126					

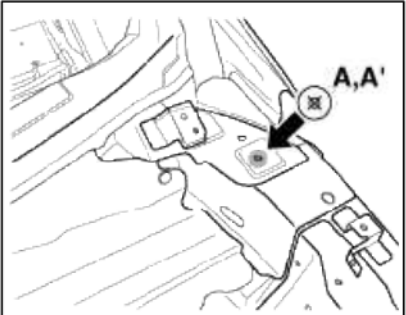
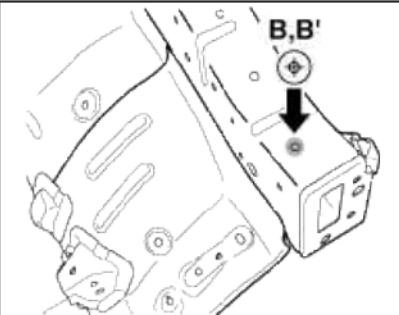
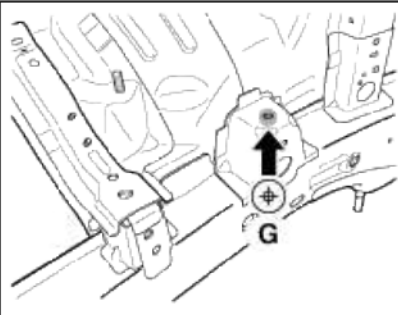
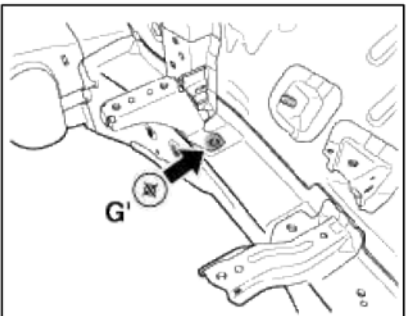
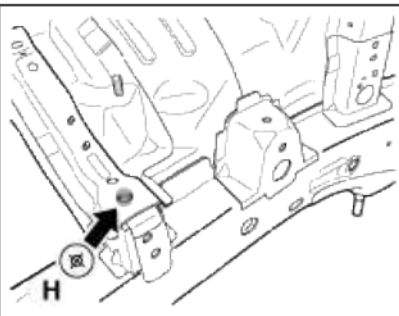
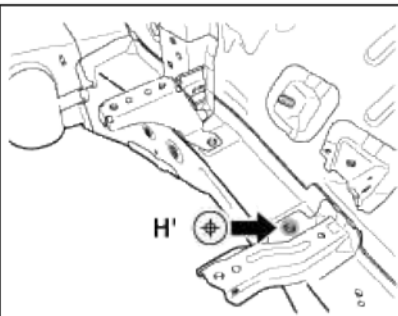
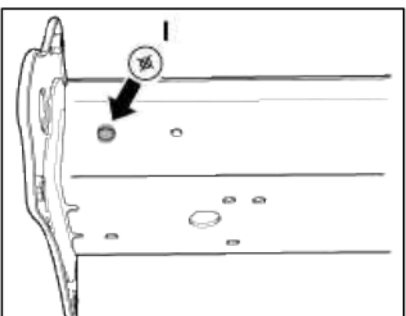
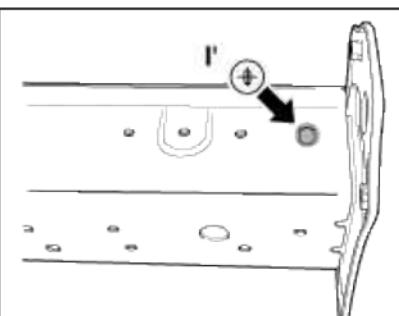
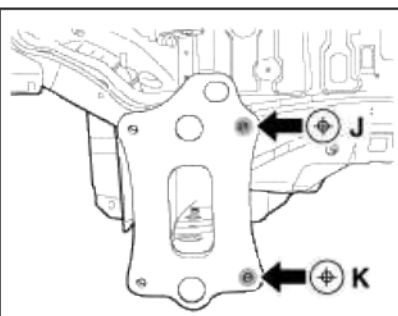
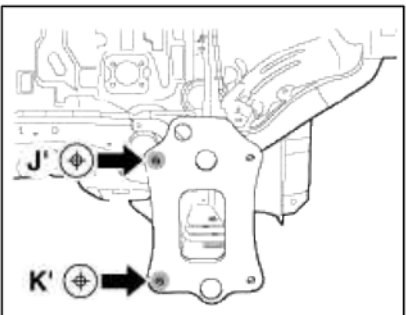
		
Hood hinge mounting hole (Ø12)	Fender apron upper panel tooling hole (Ø8)	Front suspension mounting hole (Ø11)
		
Side outer panel corner	Front pillar corner	Cowl panel tooling hole (Ø10)

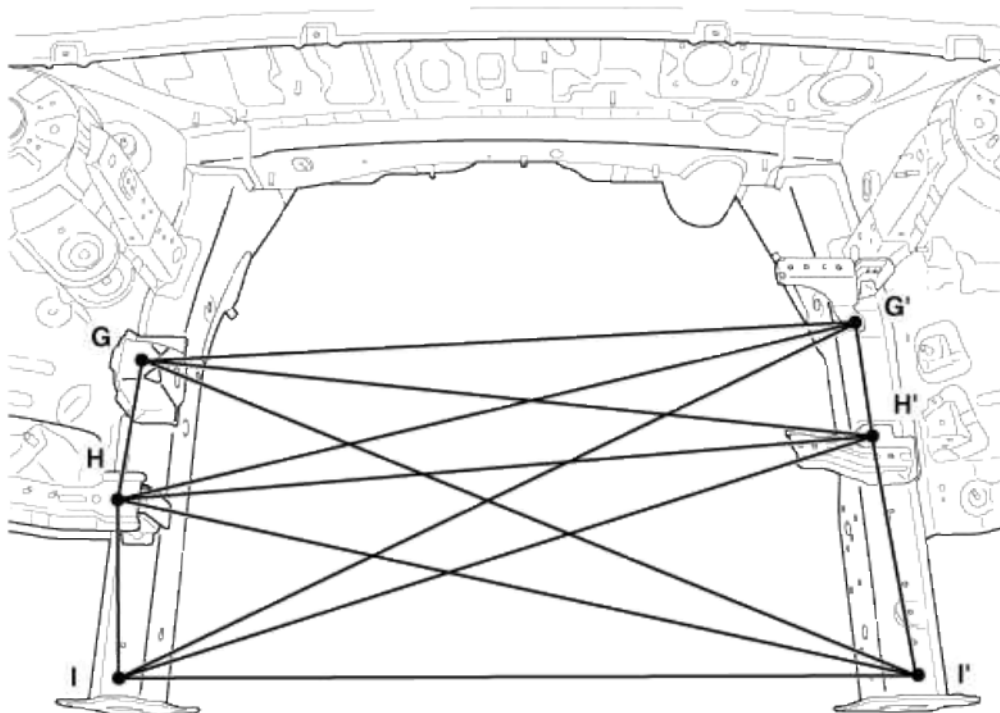
Front Body B



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

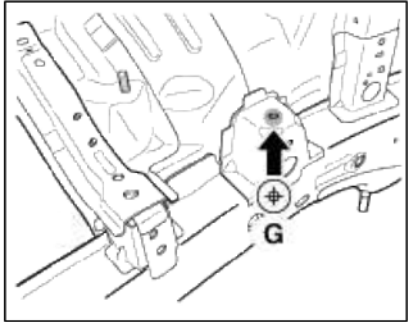
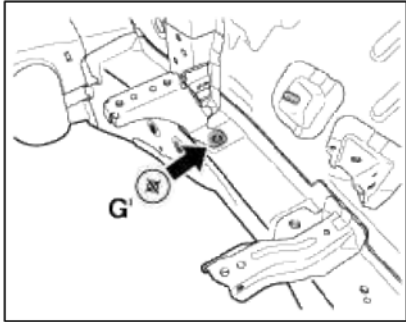
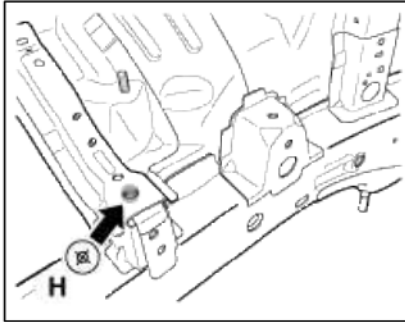
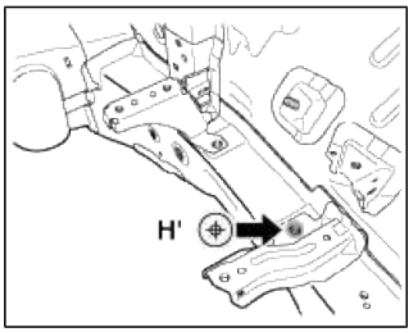
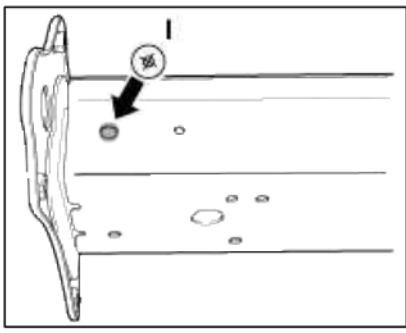
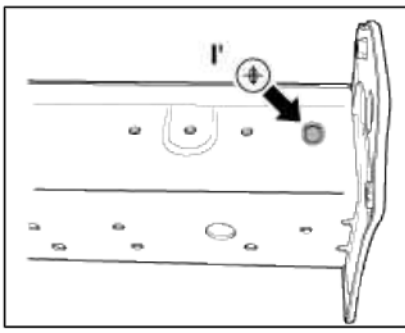
Point symbol	A-G'	A'-G	A-H'	A'-H	A-I'	A'-I	B-G'	B'-G
Length(mm)	1329	1333	1369	1401	1514	1514	1307	1287
Point symbol	B-H'	B'-H	B-I'	B'-I	J-J'	K-K'		
Length(mm)	1277	1278	1303	1303	884	884		

		
Hood hinge mounting hole (Ø12)	Fender apron upper panel tooling hole (Ø8)	Engine mounting bracket hole (Ø12)
		
Transaxle mounting hole (Ø16)	Engine mounting bracket hole (Ø14)	Transaxle mounting hole (Ø16)
		
Front side member tooling hole (Ø10)	Front side member tooling hole (10X14)	Front end module mounting hole (Ø9)
		
Front end module mounting hole (Ø9)		



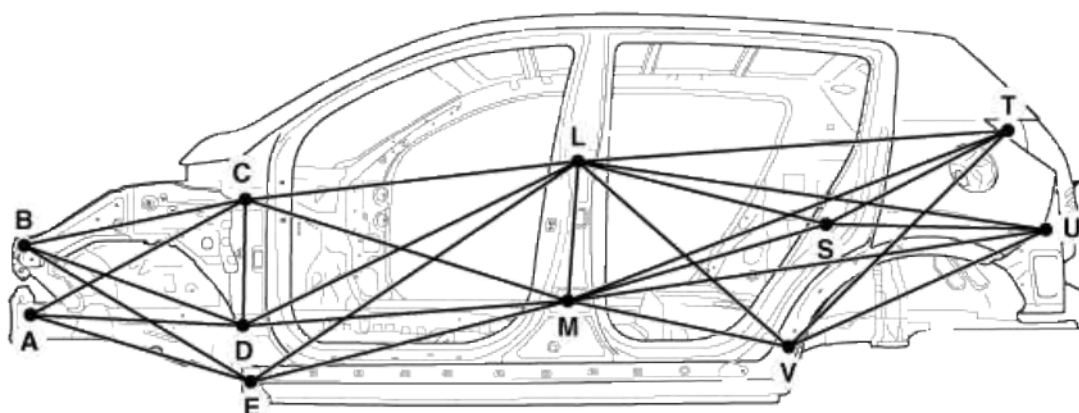
* These dimensions indicated in this figure are actual-measurement dimensions.

Point symbol	G-G'	G-H	G'-H'	G-H'	G'-H	G-I'	G'-I	H-H'
Length(mm)	985	189	172	984	1027	1075	1097	994
Point symbol	H-I	H'-I'	H-I'	H'-I	I-I'			
Length(mm)	225	315	1028	1032	1000			

		
Engine mounting bracket hole (Ø12)	Transaxle mounting hole (Ø16)	Engine mounting bracket hole (Ø14)
		
Transaxle mounting hole (Ø16)	Front side member tooling hole (Ø14)	Front side member tooling hole (14X10)

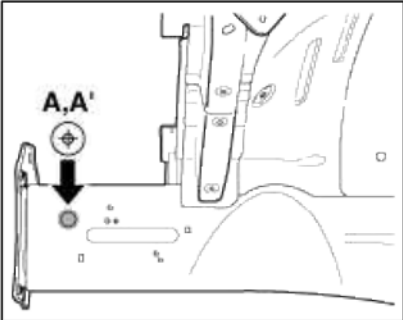
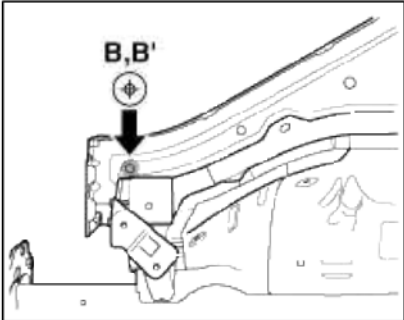
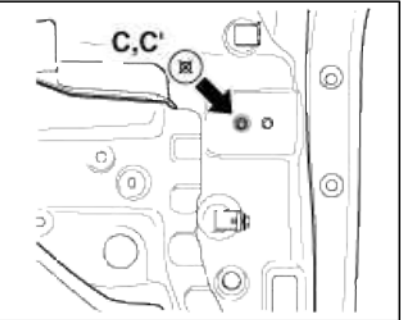
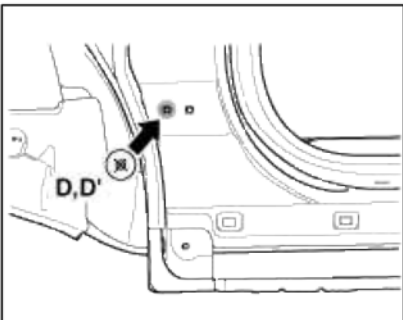
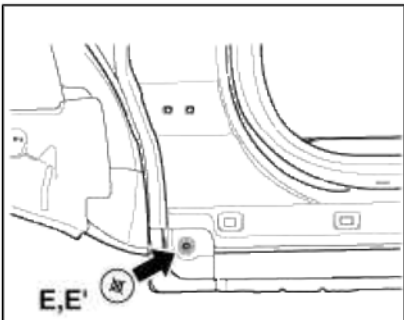
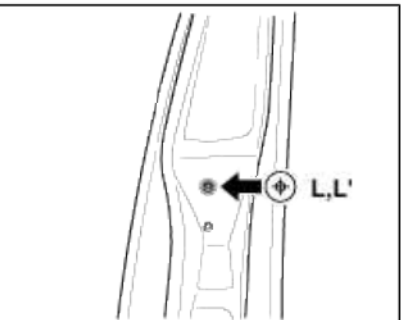
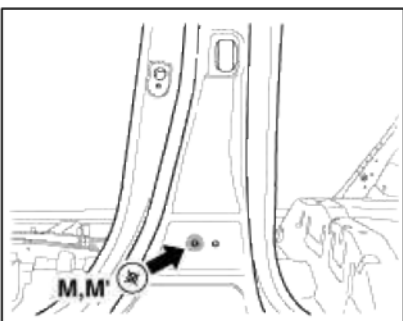
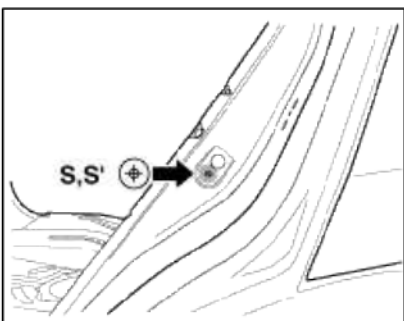
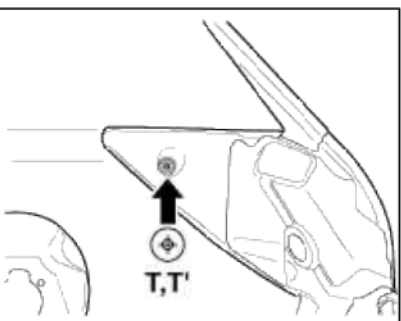
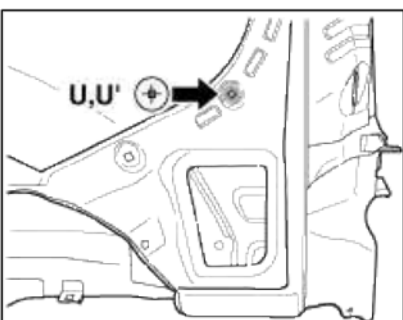
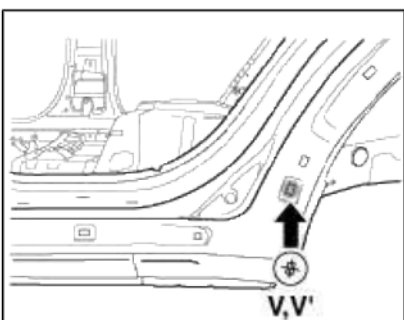
Body (Interior and Exterior) > Body Dimensions > Side Body > Body Repair

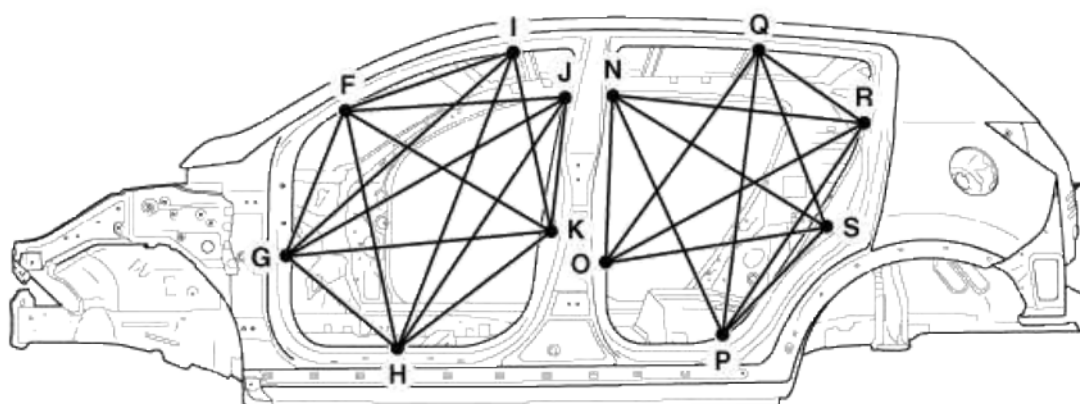
Side Body A



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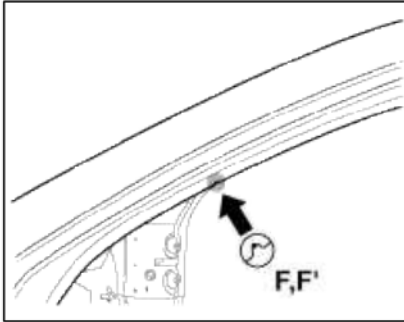
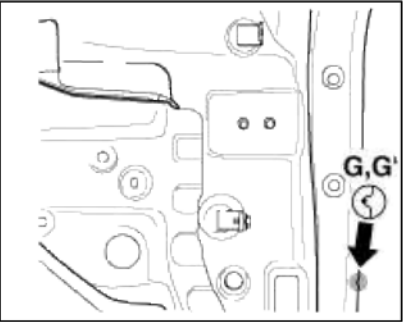
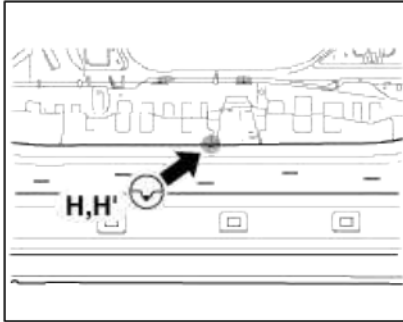
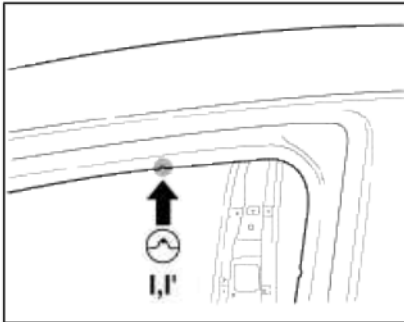
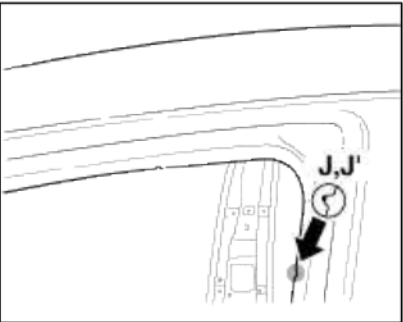
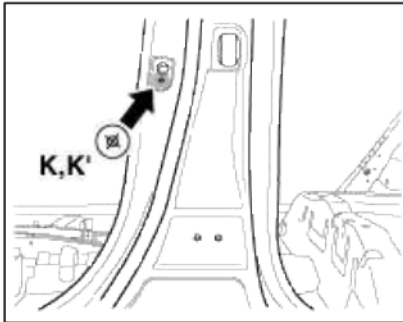
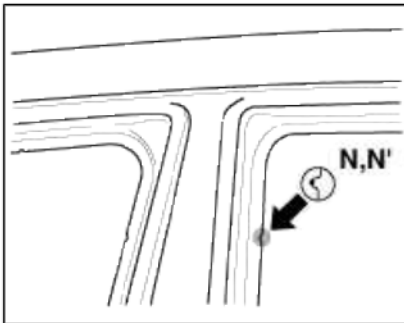
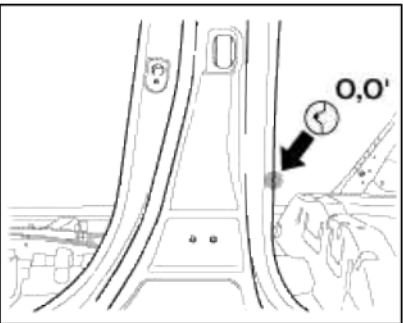
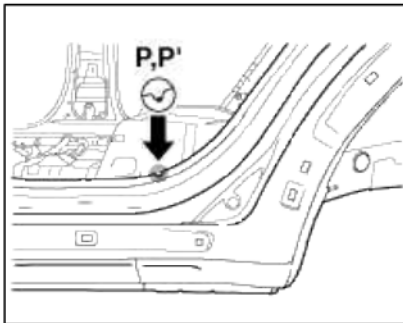
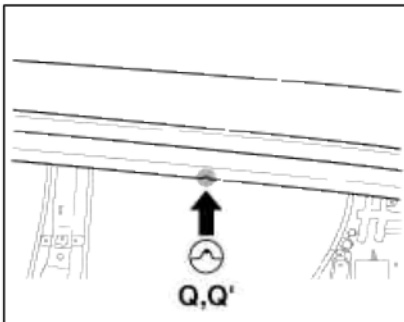
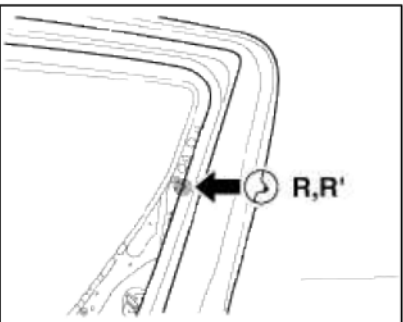
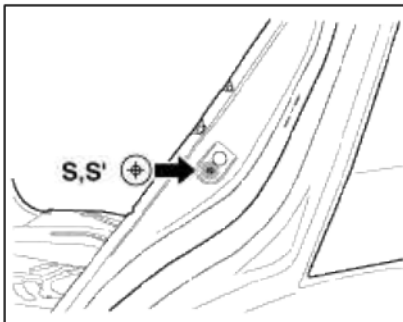
Point symbol	A-C	A-D	A-E	B-C	B-D	B-E	C-D	C-L
Length(mm)	1090	1011	1047	820	843	934	415	1105
Point symbol	C-M	D-L	D-M	E-L	E-M	L-M	L-S	L-T
Length(mm)	1133	1220	1066	1293	1075	446	848	1443
Point symbol	L-U	L-V	M-S	M-T	M-U	M-V	S-T	S-U
Length(mm)	1556	878	892	1572	1589	706	690	722
Point symbol	V-T	V-U						
Length(mm)	1047	957						

		
Front side member tooling hole (Ø20)	Fender apron panel tooling hole (Ø10)	Front door upper hinge mounting hole (Ø13)
		
Front door lower hinge mounting hole (Ø13)	Fender panel mounting hole (Ø6.6)	Rear door upper hinge mounting hole (Ø10)
		
Rear door lower hinge mounting hole (Ø13)	Rear door switch mounting hole (Ø13)	Rear combination lamp mounting hole (Ø10)
		
Rear bumper mounting hole (Ø6)	Side sill moulding mounting hole (8.5X8.5)	



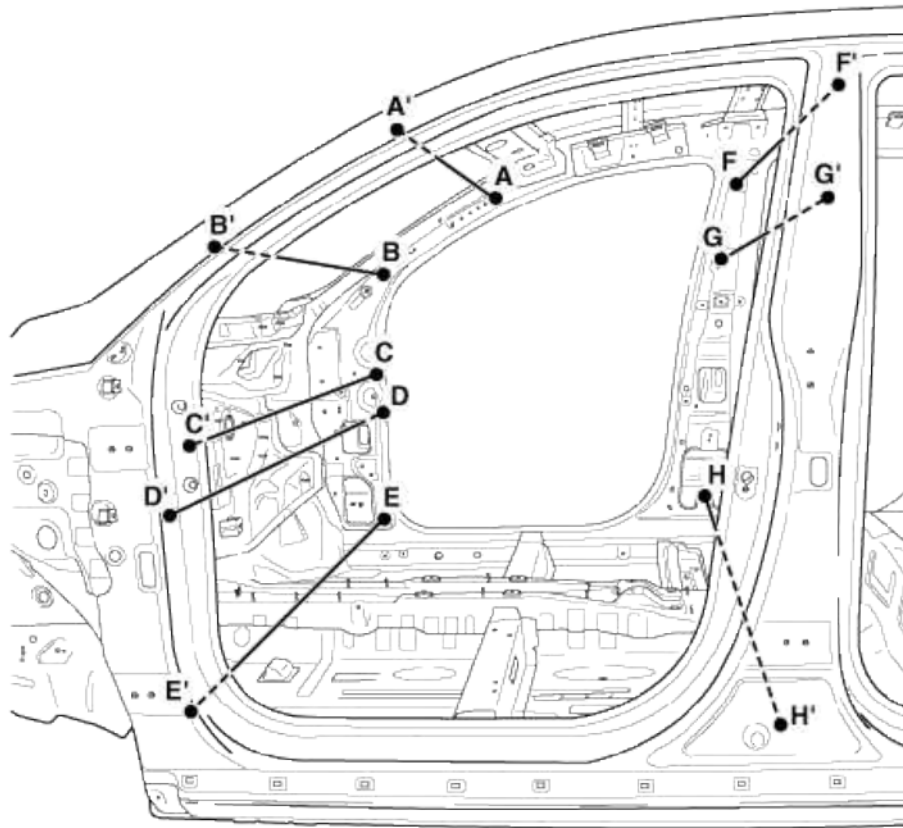
* These dimensions indicated in this figure are actual-measurement dimensions.

Point symbol	F-G	F-H	F-I	F-J	F-K	G-H	G-I	G-J
Length(mm)	597	854	615	720	789	478	1097	1135
Point symbol	G-K	H-I	H-J	H-K	I-K	J-K	N-O	N-P
Length(mm)	879	1112	1080	628	644	541	685	952
Point symbol	N-R	N-S	O-Q	O-R	O-S	P-Q	P-R	P-S
Length(mm)	872	873	924	1081	753	1010	970	529
Point symbol	Q-R	Q-S						
Length(mm)	478	686						

		
Side outer panel notch	Side outer panel notch	Side outer panel notch
		
Side outer panel notch	Side outer panel notch	Front door switch mounting hole (Ø10)
		
Side outer panel notch	Side outer panel notch	Side outer panel notch
		
Side outer panel notch	Side outer panel notch	Rear door switch mounting hole (Ø10)

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

Interior A

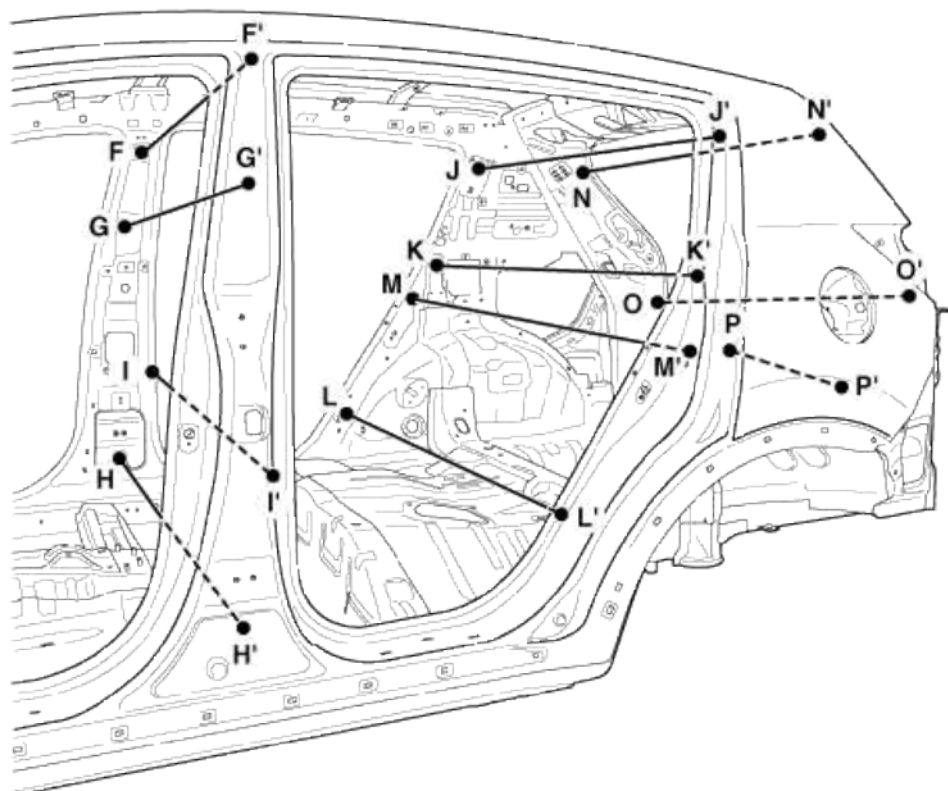


* These dimensions indicated in this figure are actual-measurement dimensions.

Point symbol	A-A'	B-B'	C-C'	D-D'	E-E'	F-F'	G-G'	H-H'
Length(mm)	1255	1380	1436	1532	1437	1250	1391	1412

Front pillar trim mounting hole (Ø8.5)	Front pillar trim mounting hole (Ø7)	Cowl crossbar mounting hole (Ø9)
Front door checker mounting hole (Ø13)	Cowl side trim mounting hole (Ø8.5)	Seatbelt height adjust upper mounting hole (Ø14.5)
Seatbelt height adjust lower mounting hole (Ø14.5)	Front seatbelt retractor mounting hole (Ø12.2)	

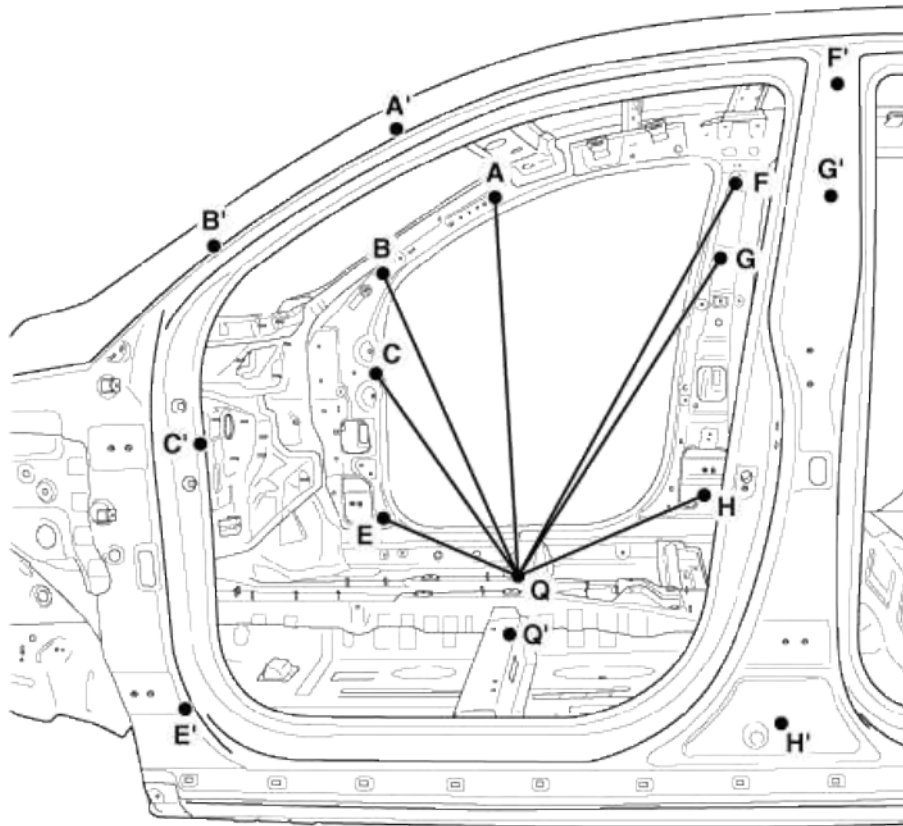
Interior B



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

Point symbol	F-F'	G-G'	H-H'	I-I'	J-J'	K-K'	L-L'	M-M'
Length(mm)	1250	1391	1412	1540	1224	1376	1437	1525
Point symbol	N-N'	O-O'	P-P'					
Length(mm)	1130	1125	761					

Seatbelt height adjust upper mounting hole (Ø14.5)	Seatbelt height adjust lower mounting hole (Ø14.5)	Front seatbelt retractor mounting hole (Ø12.2)
Rear door checker mounting hole (Ø13)	Rear seatbelt anchor mounting hole (Ø19)	Rear seat striker mounting hole (Ø9)
Wheel house panel tooling hole (Ø12)	Rear door striker mounting hole (Ø13)	Rear pillar trim mounting hole (Ø8.5)
Rear pillar trim mounting hole (Ø8.5)	Transverse rear trim mounting hole (Ø8.5)	

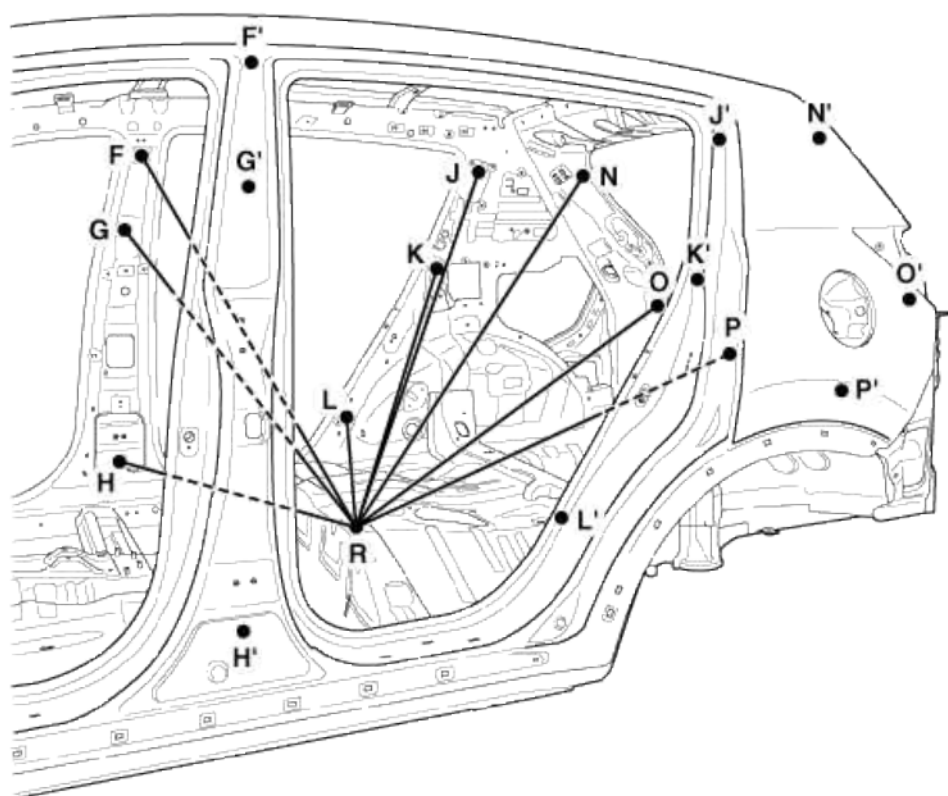


* These dimensions indicated in this figure are actual-measurement dimensions.

Point symbol	Q-A/Q'-A'	Q-B/Q'-B'	Q-C/Q'-C'	Q-E/Q'-E'	Q-F/Q'-F'	Q-G/Q'-G'	Q-H/Q'-H'	
Length(mm)	1089	1018	865	717	1257	1110	765	

Front pillar trim mounting hole (Ø8.5)	Front pillar trim mounting hole (Ø7)	Cowl crossbar mounting hole (Ø9)
Cowl side trim mounting hole (Ø8.5)	Seatbelt height adjust upper mounting hole (Ø14.5)	Seatbelt height adjust lower mounting hole (Ø14.5)
Front seatbelt retractor mounting hole (Ø12.2)	Front seat mounting hole (Ø11)	

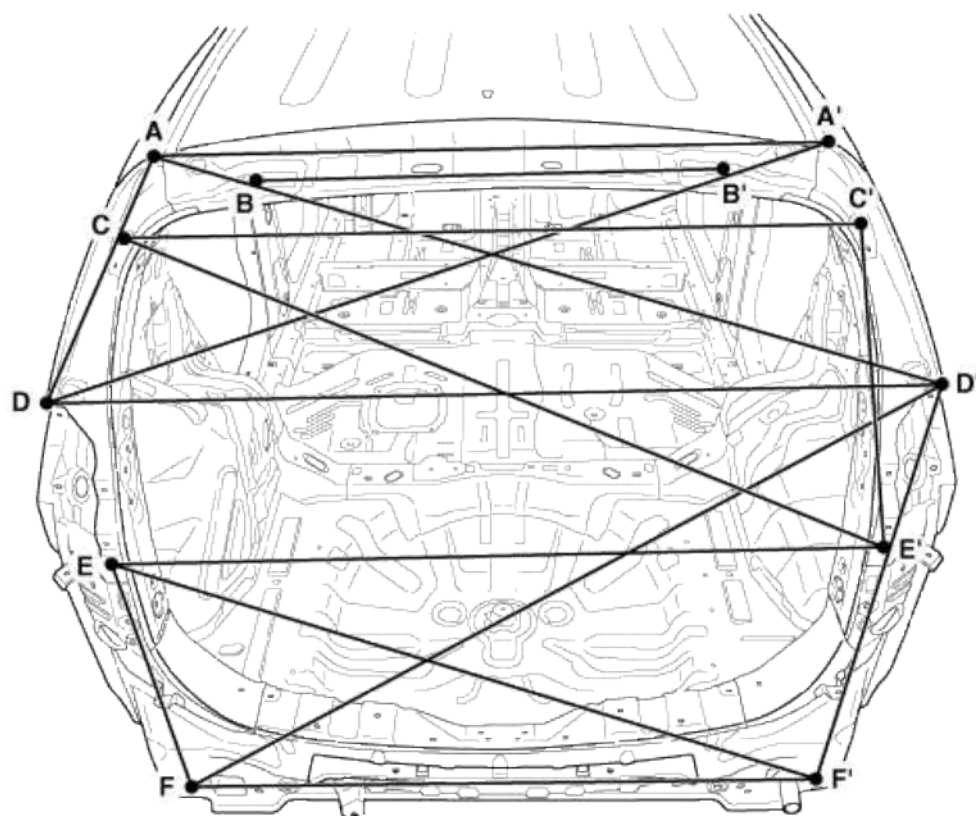
Interior D



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

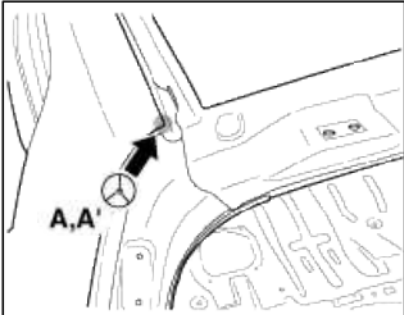
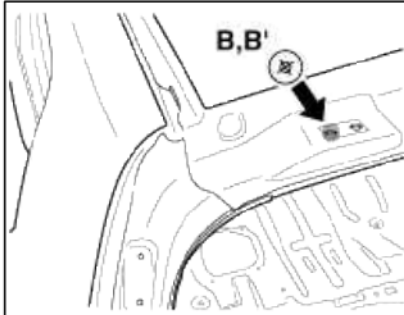
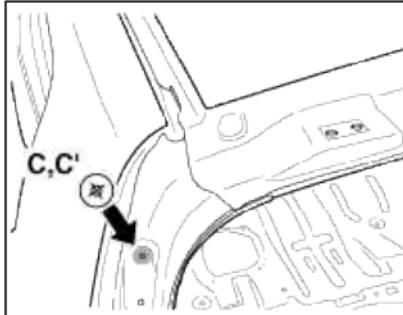
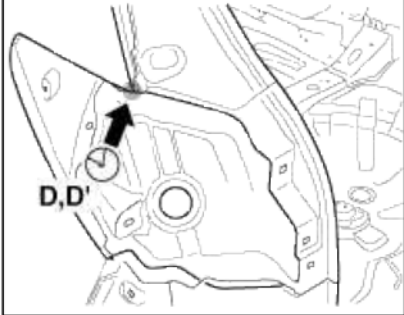
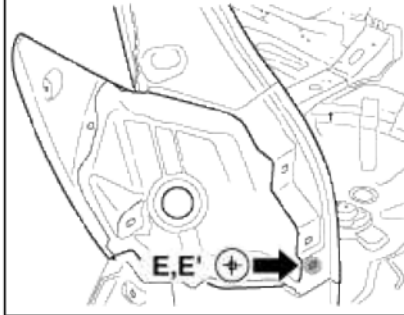
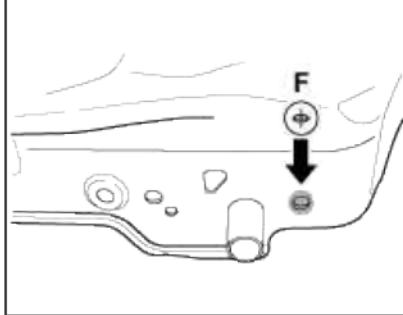
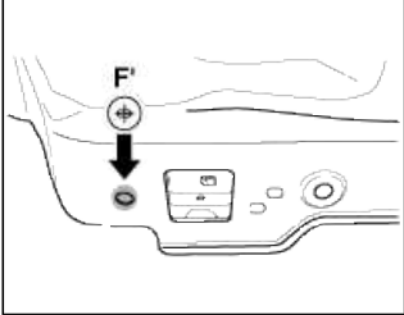
Point symbol	R-F/R-F'	R-G/R-G'	R-H/R-H'	R-J/R-J'	R-K/R-K'	R-L/R-L'	R-N/R-N'	R-O/R-O'
Length(mm)	1088	1002	803	1248	1052	792	1451	1535
Point symbol	R-P/R-P'							
Length(mm)	1487							

Seatbelt height adjust upper mounting hole (Ø14.5)	Seatbelt height adjust lower mounting hole (Ø14.5)	Front seatbelt retractor mounting hole (Ø12.2)
Rear seatbelt anchor mounting hole (Ø19)	Rear seat striker mounting hole (Ø9)	Wheel house panel tooling hole (Ø12)
Rear pillar trim mounting hole (Ø8.5)	Rear pillar trim mounting hole (Ø8.5)	Transverse rear trim mounting hole (Ø8.5)
Rear floor panel tooling hole (Ø6)		



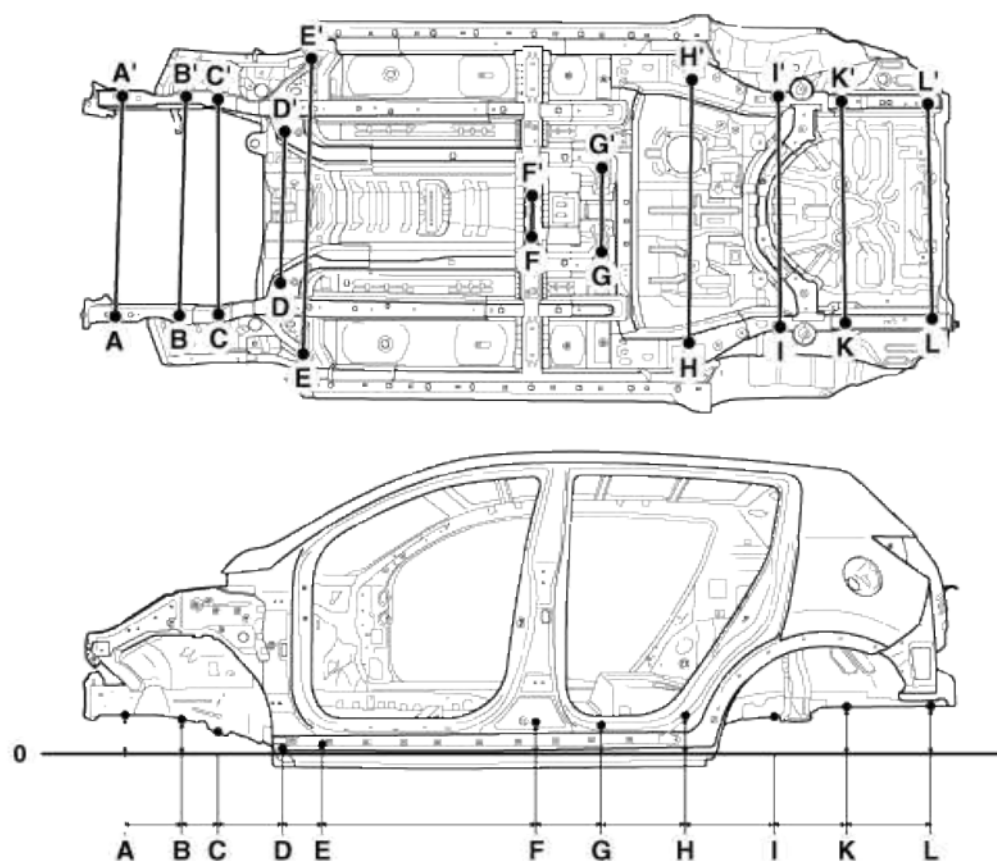
* These dimensions indicated in this figure are actual-measurement dimensions.

Point symbol	A-A'	A-D/A'-D'	A-D'/A'-D	B-B'	C-C'	C-E/C'-E'	C-E'/C'-E	D-D'
Length(mm)	1074	425	1304	730	1176	516	1290	1416
Point symbol	D-F/D'-F'	D-F'/D'-F	E-E'	E-F/E'-F'	E-F'/E'-F	F-F'		
Length(mm)	745	1472	1188	510	1270	1138		

		
Side outer panel rear corner	Tail gate hinge mounting hole (Ø12)	Tail gate lifter mounting hole (Ø9)
		
Side outer panel rear corner	Rear bumper mounting hole (8.5X8.5)	Rear bumper mounting hole (14X16)
		
Rear bumper mounting hole (14X16)		

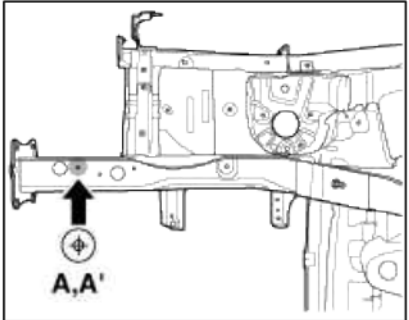
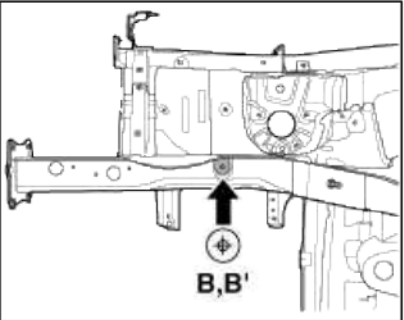
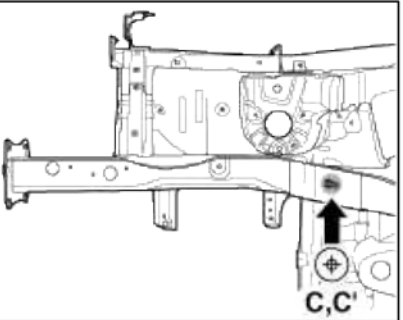
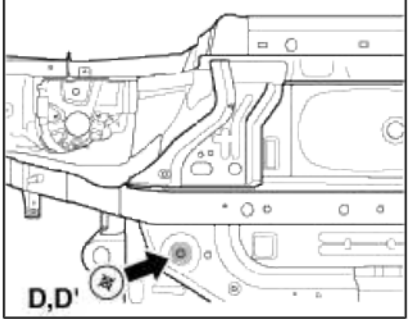
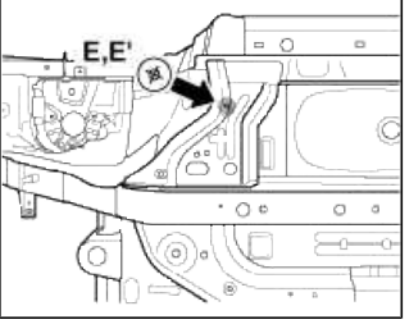
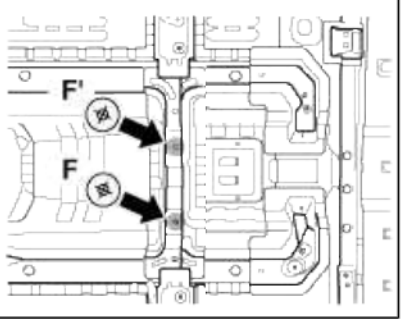
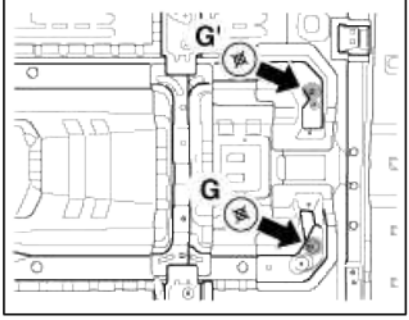
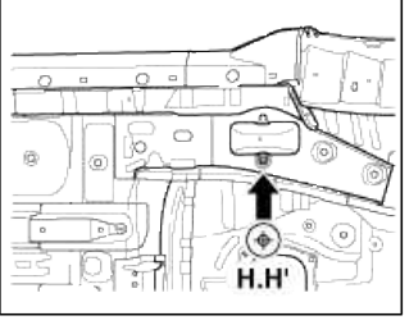
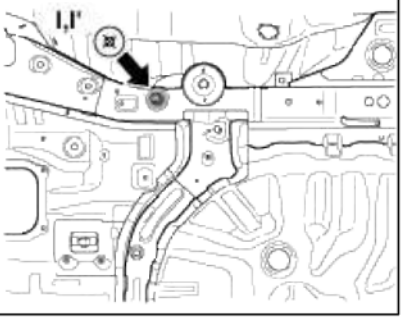
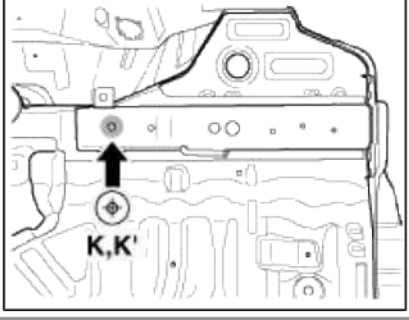
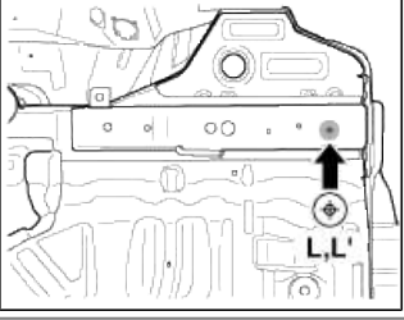
Body (Interior and Exterior) > Body Dimensions > Under Body > Body Repair

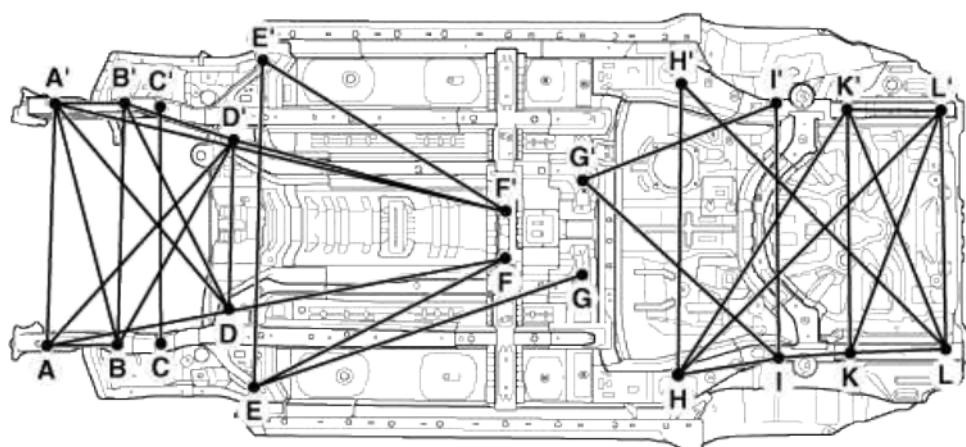
Projected Dimensions



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

Point symbol	A-A'	B-B'	C-C'	D-D'	E-E'	F-F'	G-G'	H-H'
Length(mm)	1002	1002	944	650	1260	180	360	1147
Point symbol	I-I'	K-K'	L-L'	0-A	0-B/0-B'	0-D	0-E	0-F
Length(mm)	1023	1003	1003	163	163/156	-5	8	53
Point symbol	0-G	0-H	0-L	A-B/A'-B'	B-C	C-D	D-E	E-F
Length(mm)	38	91	171	306/307	209	314	102	963
Point symbol	F-G	G-H	H-I	I-L				
Length(mm)	299	387	412	726				

		
Front side member tooling hole (Ø6.5)	Side cover mounting hole (Ø8)	Front sub frame mounting hole (Ø17)
		
Front sub frame mounting hole (Ø18)	Front side member rear extension tooling hole (Ø8)	Propeller shaft center bearing bracket hole (Ø14)
		
Rear floor front reinforcement tooling hole (Ø10)	Rear trailing arm mounting hole (Ø17)	Rear suspension mounting hole (Ø28)
		
Rear floor side member tooling hole (Ø14.5)	Rear floor side member tooling hole (Ø15)	



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

Point symbol	A-A'	A-B/A'-B'	A-B'/A'-B	A-D/A'-D'	A-D'/A'-D	B-B'	B-D/B'-D'	B-D'/B'-D
Length(mm)	1002	306	1048	863	1180	1002	576	989
Point symbol	C-C'	D-D'	D-F	D'-F'	E-E'	E-F	E'-F'	E-G/E'-G'
Length(mm)	944	650	1086	1098	1260	1091	1119	1339
Point symbol	G-I/G'-I'	G-I'/G'-I	H-H'	H-K/H'-K'	H-K'/H'-K	H-L'	H'-L	I-I'
Length(mm)	868	1059	1147	741	1304	1561	1575	1023
Point symbol	K-K'	K-L	K'-L'	K-L'	K'-L	L-L'		
Length(mm)	1004	406	406	1073	1092	1003		

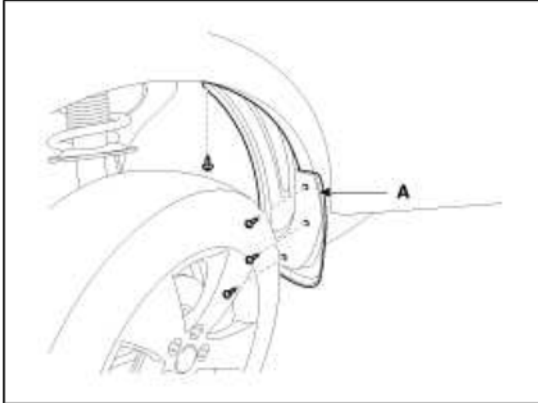
Front side member tooling hole (Ø6.5)	Side cover mounting hole (Ø8)	Front sub frame mounting hole (Ø17)
Front sub frame mounting hole (Ø18)	Front side member rear extension tooling hole (Ø8)	Propeller shaft center bearing bracket hole (Ø14)
Rear floor front reinforcement tooling hole (Ø10)	Rear trailing arm mounting hole (Ø17)	Rear suspension mounting hole (Ø28)
Rear floor side member tooling hole (Ø14.5)	Rear floor side member tooling hole (Ø15)	

Replacement

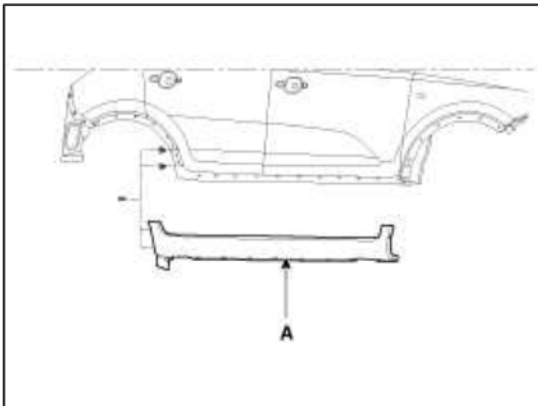
CAUTION

- When removing and installing the fender, an assistant is necessary.
- Be careful not to damage the fender and body.
- When removing the clips, use a clip remover.

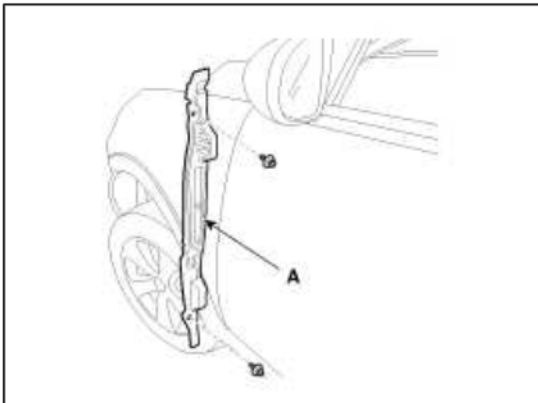
1. Remove the front bumper cover.
(Refer to the BD group – “Front bumper”)
2. Loosen the mud guard (A) mounting screws and clips.



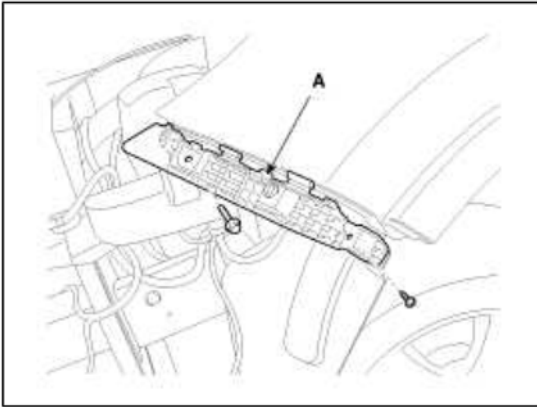
3. After loosening the mounting screws and clips, then remove the side sill molding (A).



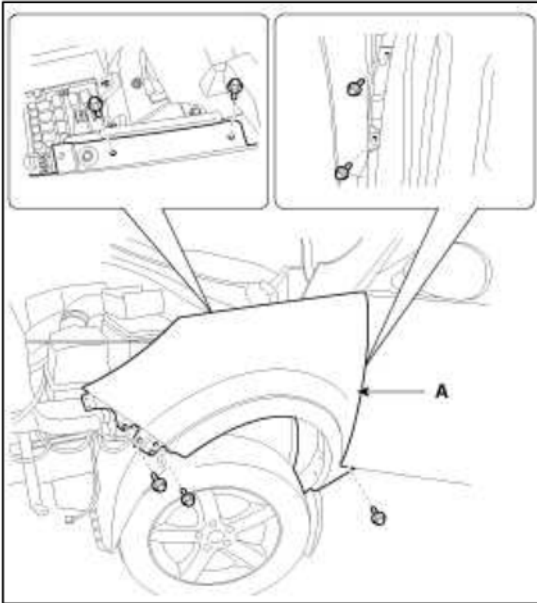
4. Detach the clips and then remove the insulator pad (A).



5. After loosening the mounting screw and bolt, then remove the front bumper side mounting bracket (A).



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



7. Installation is the reverse of removal.

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

Replacement

Hood Assembly Replacement

CAUTION

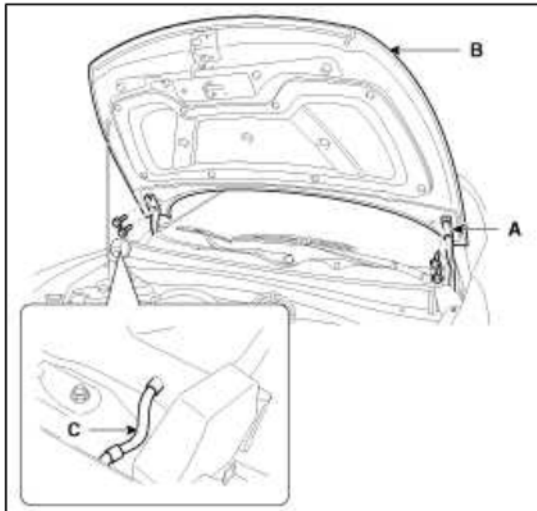
- When removing and installing the hood, an assistant is necessary.
- Take care not to damaged the hood and body.

1. After loosening the hood hinge (A) mounting bolts, and then remove the hood (B).

2. Remove the washer nozzle hose (C).

Tightening torque :

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



3. Installation is the reverse of removal.

NOTE

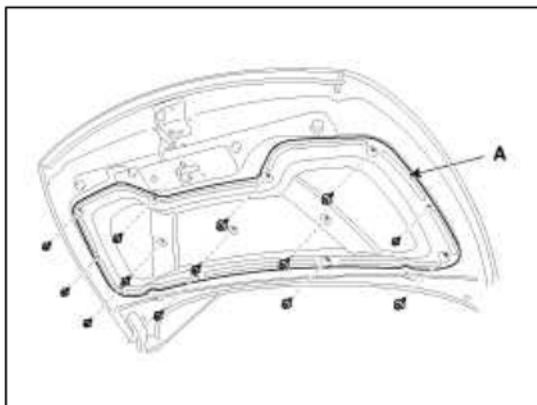
- Make sure the hood opens properly and locks securely.
- Adjust the hood alignment.

Hood Insulator Pad Replacement

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

CAUTION

- Take care not to scratch the hood panel.



2. Installation is the reverse of removal.

NOTE

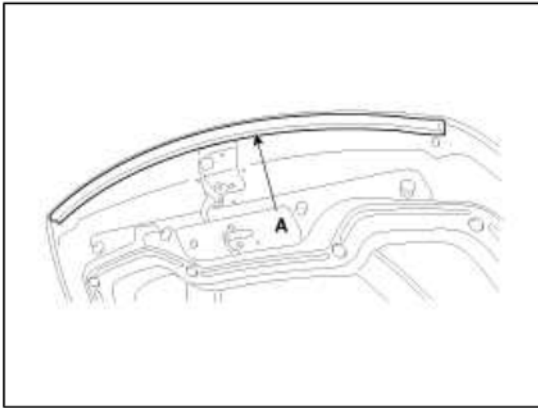
- Replace any damaged clips.

Hood Seal Weatherstrip Replacement

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

CAUTION

- Be careful not to scratch the hood seal weatherstrip.



2. Installation is the reverse of removal.

NOTE

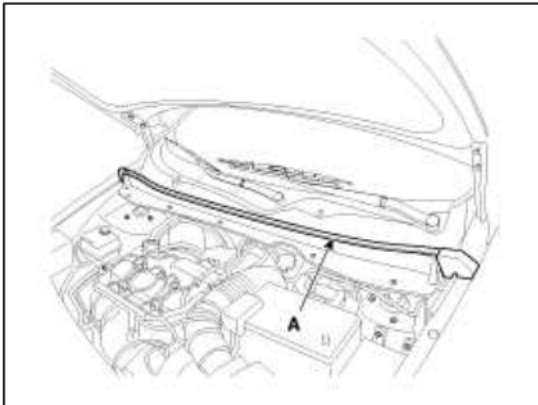
- Replace any damaged clips.

Hood Weatherstrip Replacement

1. Remove the hood weatherstrip (A).

CAUTION

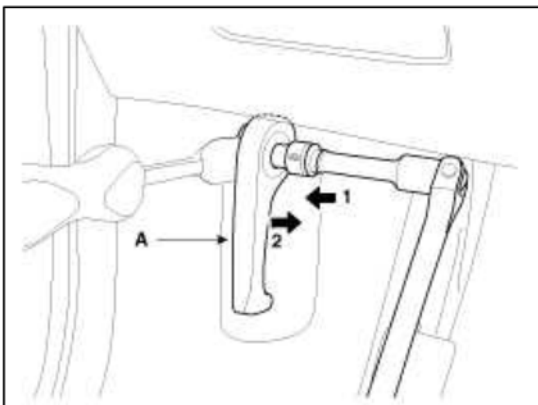
- Take care not to scratch the hood weatherstrip.



2. Installation is the reverse of removal.

Hood Release Handle Replacement

1. 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.

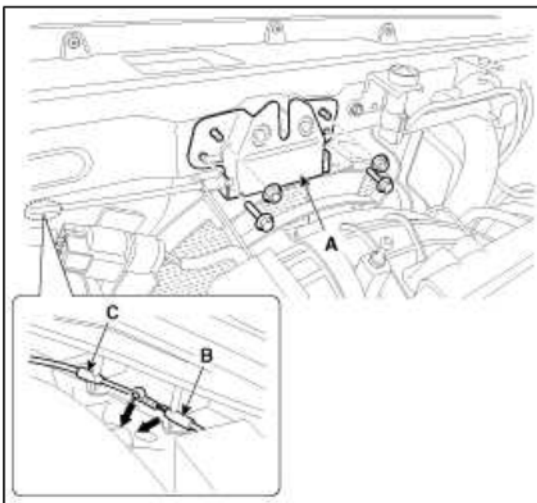
Hood Latch Replacement

1. Remove the hood latch (A) mounting bolts and nuts.
2. Disconnect the hood latch cable (B) and hood release cable (C).

Tightening torque :

Bolts : 7.8 ~ 11.8 N.m (0.8 ~ 1.2 kgf.m, 5.8 ~ 8.7 lb-ft)

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



3. Installation is the reverse of removal.

NOTE

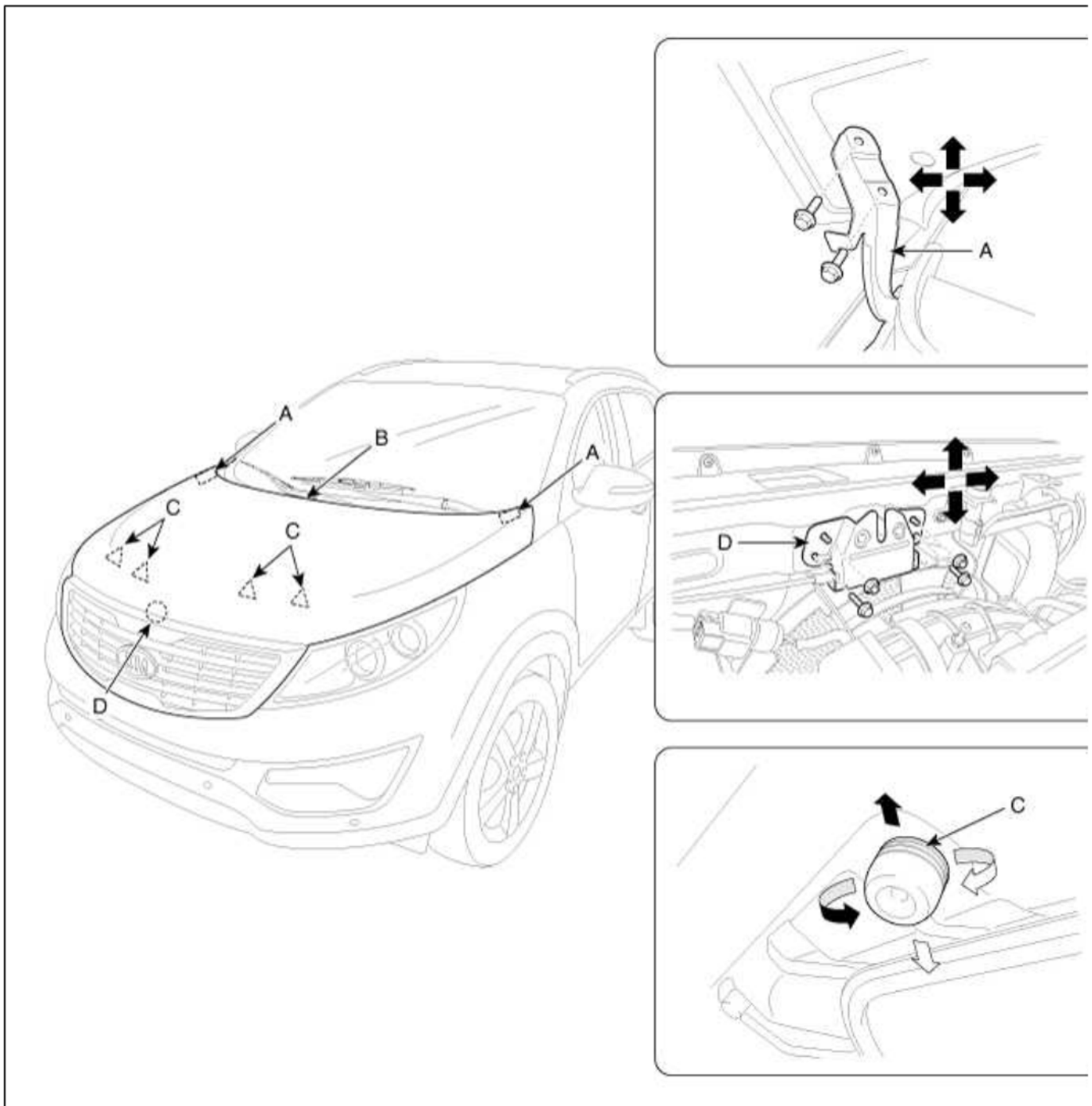
- Make sure the hood latch cable is connected properly.
- Make sure the hood locks securely.

Adjustment

Hood Adjustment

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 over slam bumpers (C).

3. After loosening the hood latch (D) mounting bolts and nuts, adjust the latch by moving it up or down, or right or left.



Body (Interior and Exterior) > Exterior > Tail Gate > Repair procedures

Replacement

Tail Gate Trim Replacement

CAUTION

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

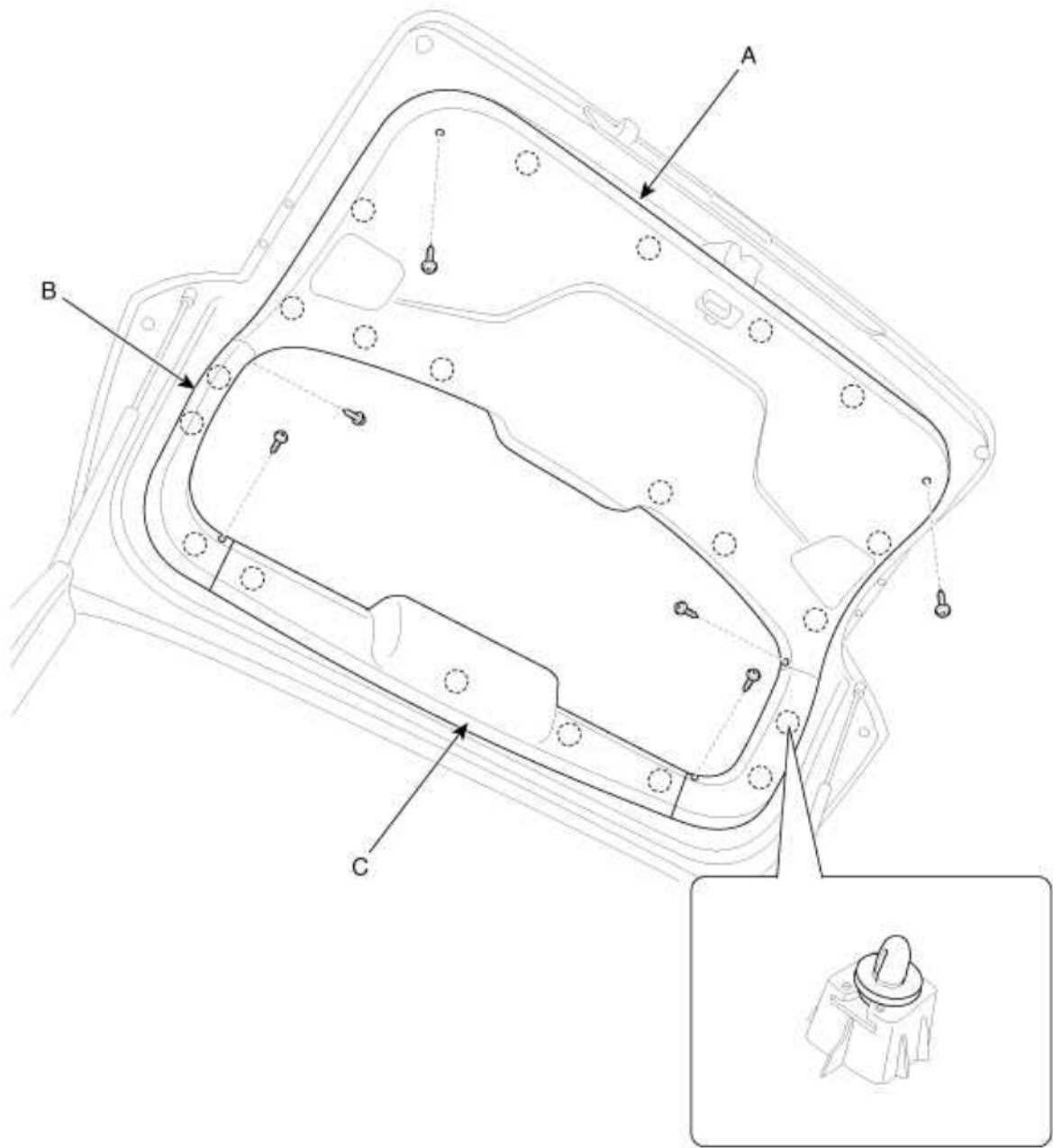
1. Remove the upper trim (C).

2. After loosening the mounting screws, then remove the side trim (B) and tail gate trim (A).

NOTE

- Replace any damaged clips.

3. Installation is the reverse of removal.



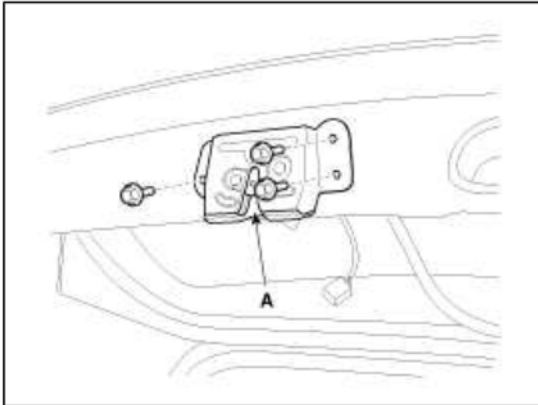
Tail Gate Latch Replacement

1. Remove the tail gate trim.

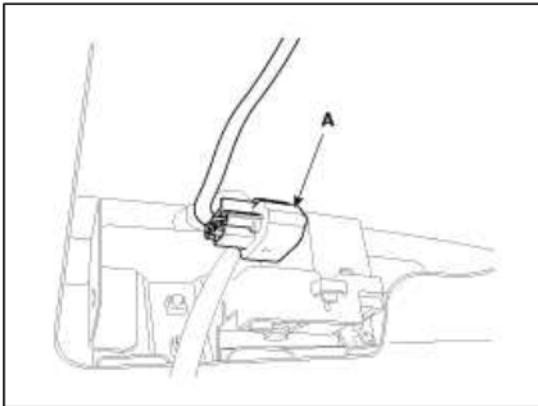
2. After loosening the mounting bolts, then remove the latch assembly (A).

Tightening torque :

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



3. Disconnect the tail gate latch connector (A).



4. Installation is the reverse of removal

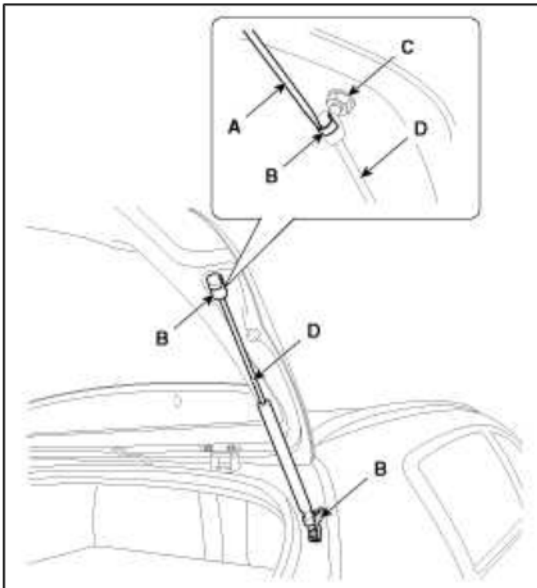
NOTE

- Make sure the connector is connected properly and the connecting rod is connected properly.
- Make sure the tail gate opens properly and locks securely.

Tail Gate Lift Replacement**NOTE**

- Take care not to be closed the tail gate, when removing the lift.

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



2. Push the socket of the lifer into the bracket for installation.

NOTE

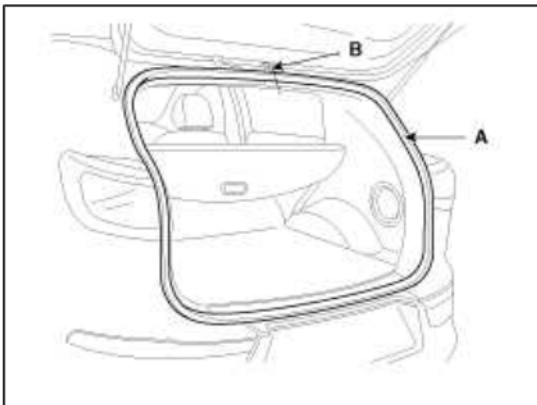
- Make sure the tail gate lock and opens properly and locks securely.

Tail Gate weatherstrip Replacement

CAUTION

- Do not apply sealant to the body.

1. Remove the tail gate weatherstrip (A).



2. Installation is the reverse of removal.

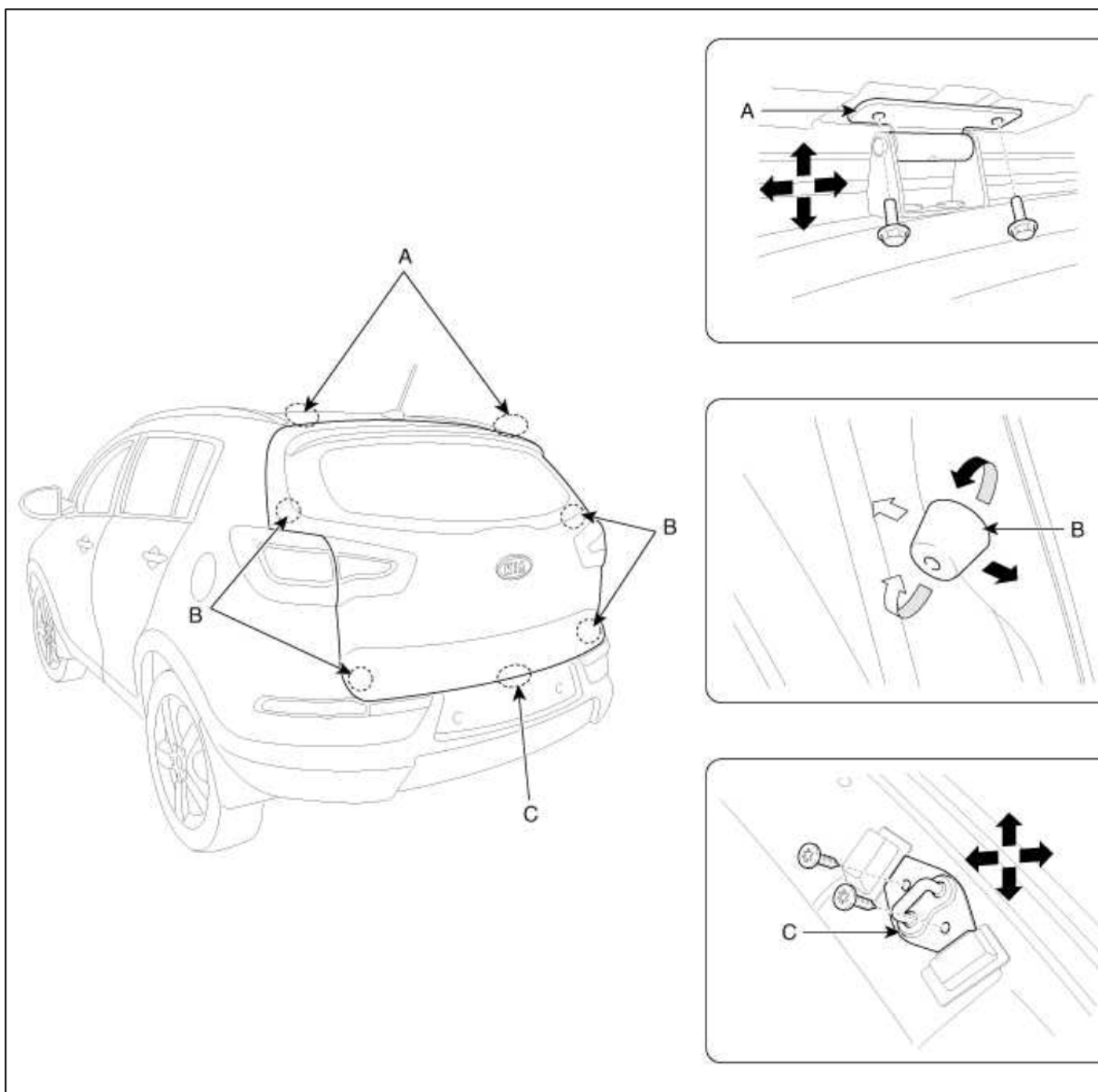
NOTE

- Install the weatherstrip aligned with center line (B).

Adjustment

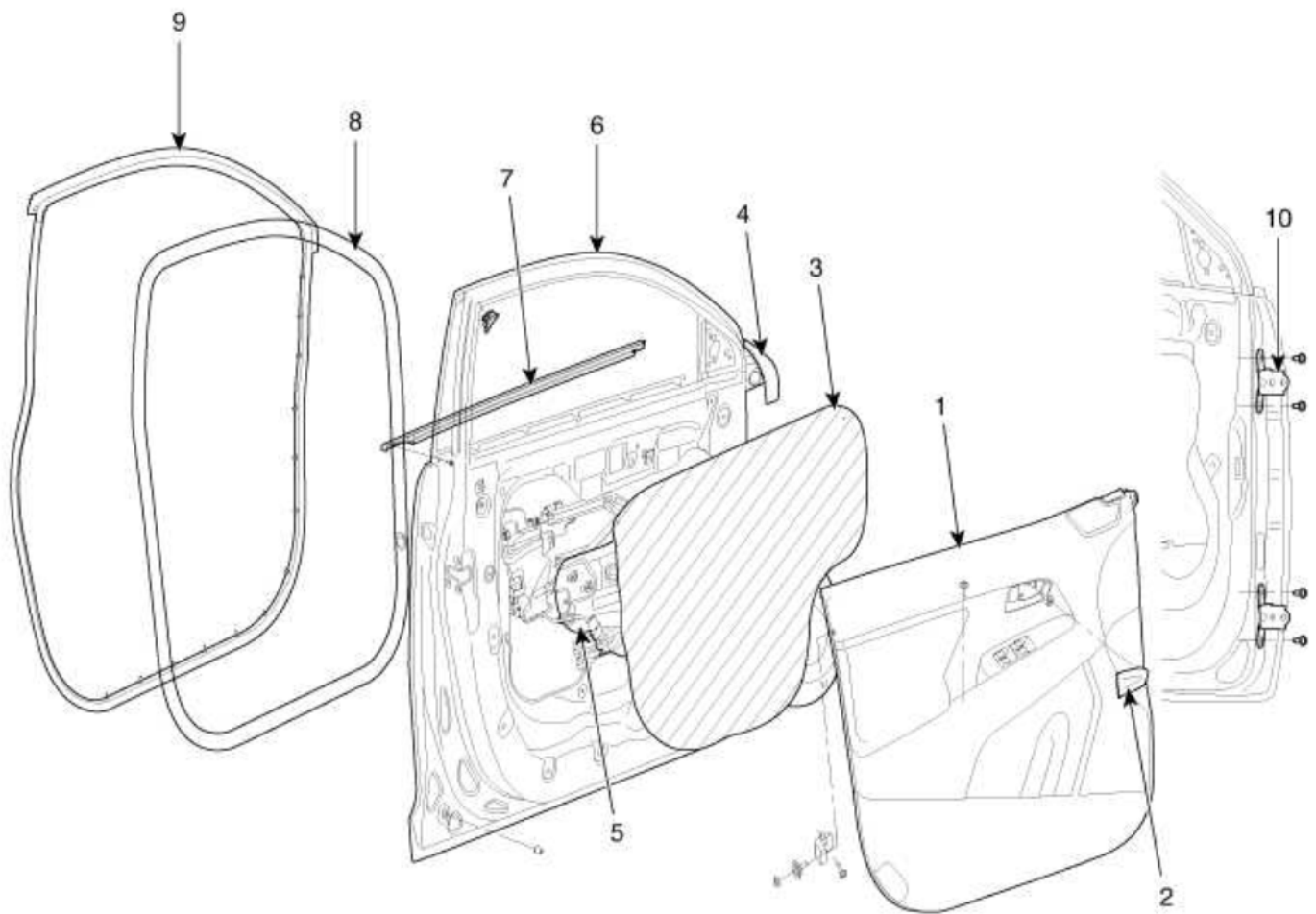
1. After loosening the tail gate hinge (A) mounting bolt, adjust the tail gate by moving it up or down, or right or left.
2. Adjust the tail gate height by turning the tail gate overslam bumpers (B).

3. After loosening the tail gate striker (C) mounting bolts, adjust the tail gate striker by moving it up or down, or right left.



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

Components



- | | |
|------------------------------------|--------------------------------------|
| 1. Front door trim | 6. Front door panel |
| 2. Front door inside handle cap | 7. Front door belt outside molding |
| 3. Front door trim seal | 8. Front door body side weatherstrip |
| 4. Front door quadrant inner cover | 9. Front door side weatherstrip |
| 5. Front door module | 10. Front door hinge |

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

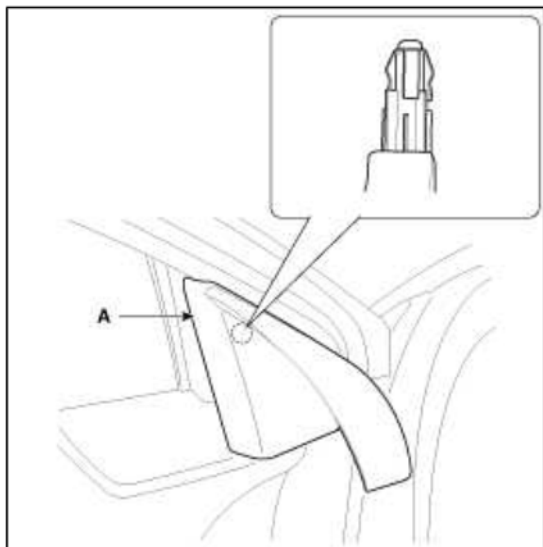
Replacement

Front Door Trim Replacement

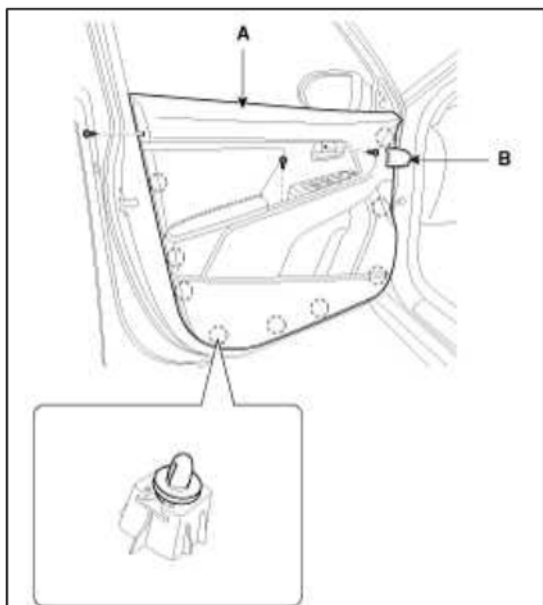
CAUTION

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

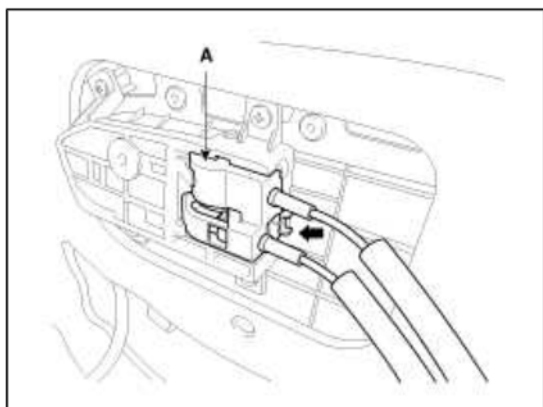
1. Using a screwdriver or remover, remove the front door quadrant inner cover (A).



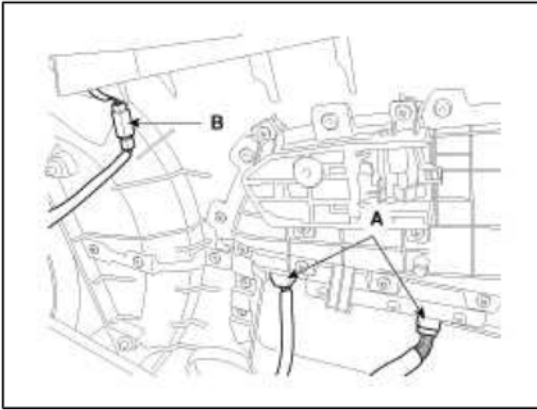
2. Using a screwdriver or remover, remove the front door inside handle cap (B).
3. After loosening the mounting screws, then remove the front door trim (A).



4. Remove the inside handle cage (A).



5. Disconnect the power window connectors (A) and tweeter speaker connector (B).



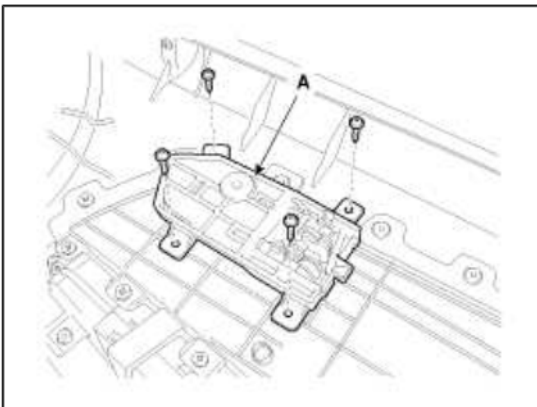
6. Installation is the reverse of removal.

NOTE

- Make sure of connectors is plugged in properly and each rod is connected securely.
- Make sure the door lock and opens properly.
- Replace any damaged clips.

Inside Handle Replacement

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



3. Installation is the reverse of removal.

NOTE

- Replace any damaged clips.
- Make sure the door lock and opens properly.

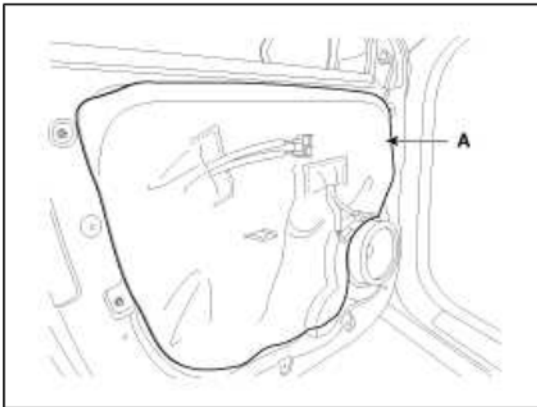
Glass Replacement

1. Remove the front door trim.

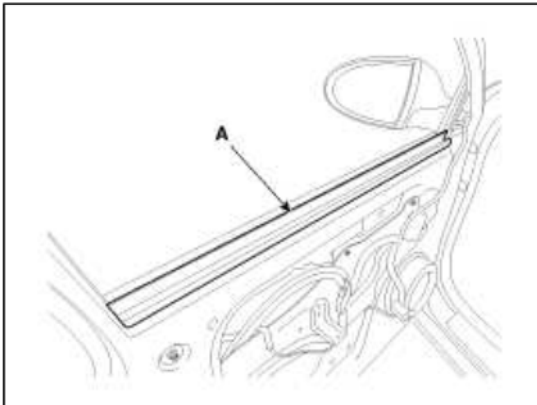
2. Remove the front door trim seal (A).

NOTE

- Replace any damaged door trim seal.



3. Remove the front door belt inner weatherstrip (A).



4. Remove the glass mounting hole plug.

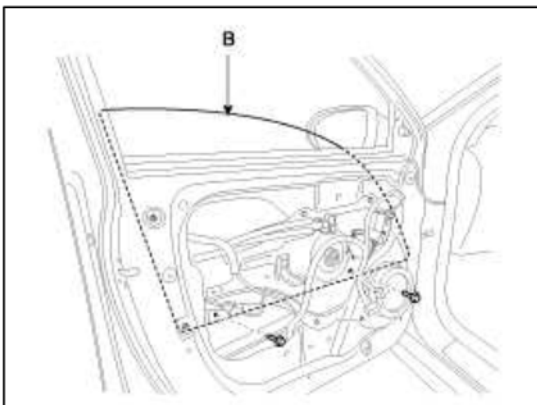
CAUTION

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

5. Carefully move 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 :

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



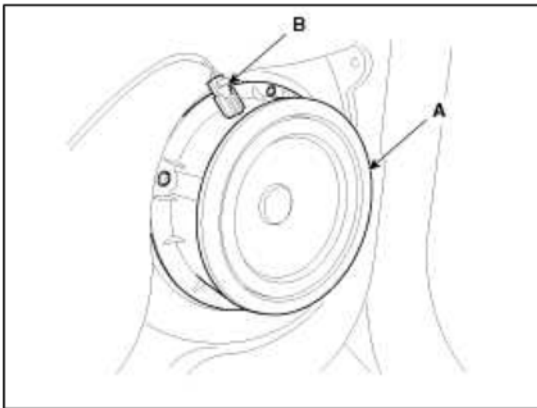
6. Installation is the reverse of removal.

NOTE

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

Speaker Replacement

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



4. Installation is the reverse of removal.

NOTE

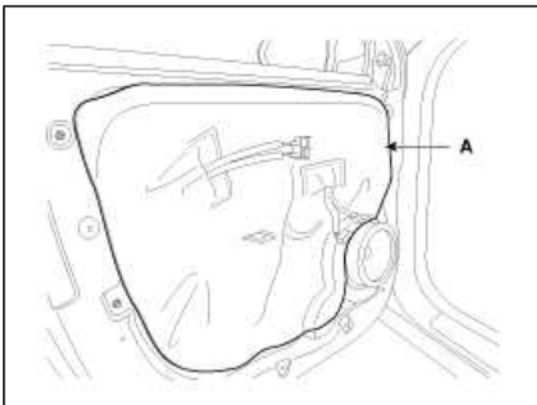
- Use sheet metal screws to secure the speaker.
- Make sure the connector are connected properly and each rod is connected securely.
- Make sure the door lock and opens properly.
- Replace any damaged clips.

Power Window Motor Replacement

1. Remove the front door trim.
2. Remove the front door trim seal (A).

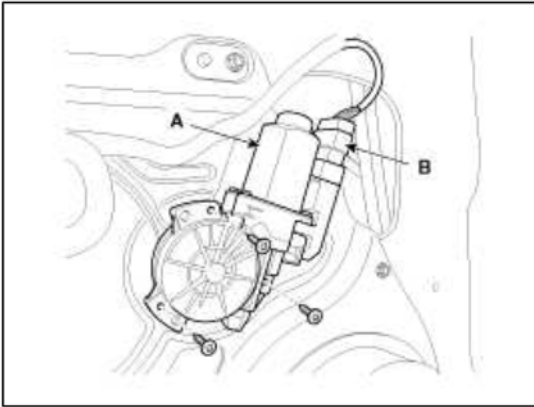
NOTE

- Replace any damaged door trim seal.



3. Disconnect the connector (B).

4. After loosening the mounting screws, then remove the power window motor (A).



5. Installation is the reverse of removal.

NOTE

- The area of rotational parts and springs should be applied with sufficient grease.
- Roll the glass up down to see if it move freely without binding.
- Replace any damaged clips.
- Make sure the door lock and opens properly.

Door Module Assembly Replacement

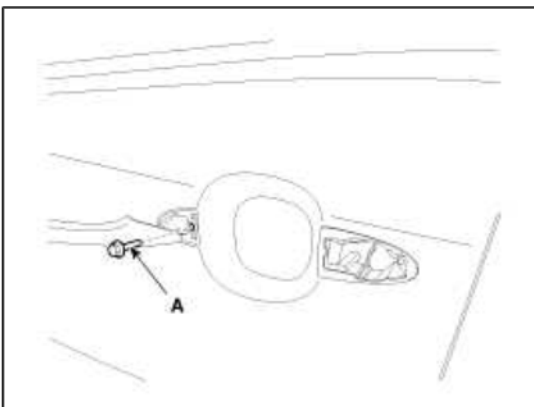
1. Remove the following parts.

- A. Front door trim.
- B. Front door trim seal.
- C. Window glass.
- D. Outside handle.

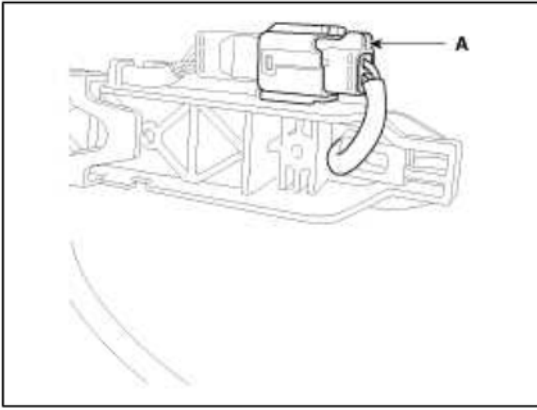
2. Loosen the mounting bolt (A).

Tightening torque :

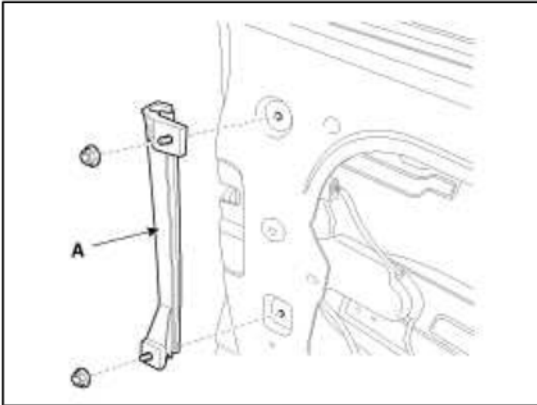
6.9 ~ 10.8 N.m (0.7 ~ 1.1 kgf.m, 5.1 ~ 8.0 lb-ft)



3. Disconnect the outside handle connector (A).



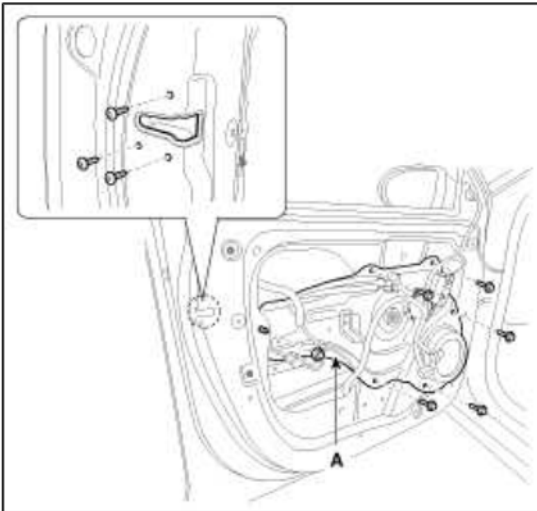
4. After loosening the mounting nuts, then remove the front door channel (A).



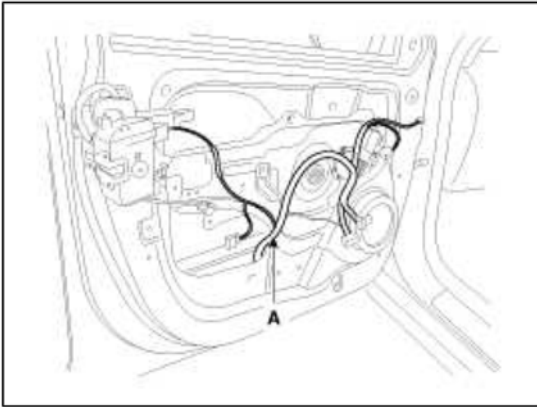
5. After loosening the mounting bolts and nut, then remove the front door module (A).

Tightening torque :

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



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



7. Installation is the reverse of removal.

NOTE

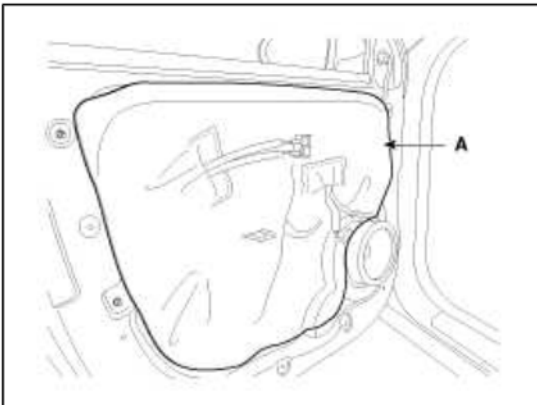
- The area of whole parts should be applied with sufficient grease.
- Make sure the connector is plugged in properly and each rod is connected securely.
- Make sure the door lock and open properly.
- Replace any damaged clips.

Outside Handle Replacement

1. Remove the front door trim.
2. Remove the front door trim seal (A).

NOTE

- Replace any damaged door trim seal.

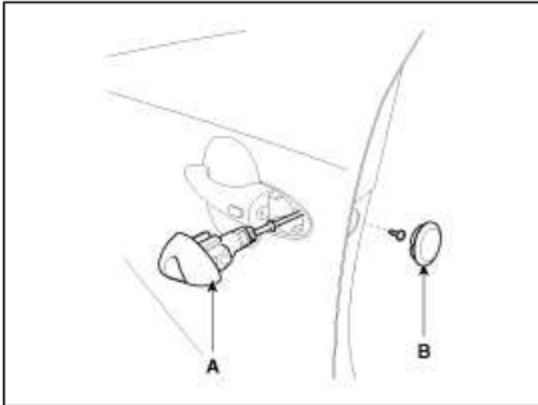


3. Remove the hole plug (B).

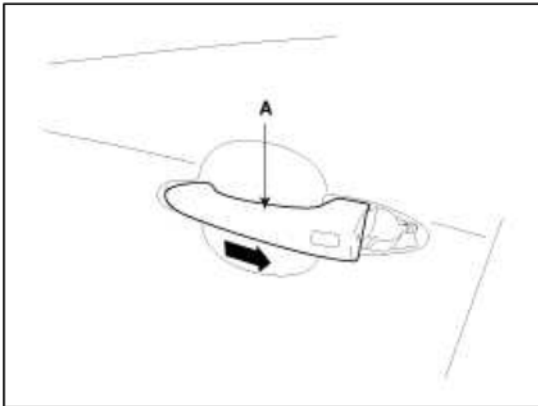
4. After loosening the mounting bolt, then remove the outside handle cover (A).

Tightening torque :

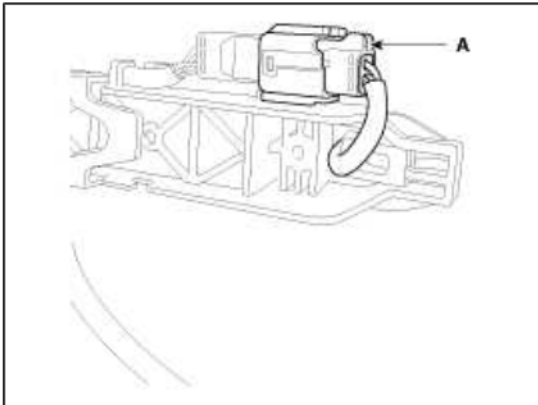
6.9 ~ 10.8 N.m (0.7 ~ 1.1 kgf.m, 5.1 ~ 8.0 lb-ft)



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



6. Disconnect the outside handle connector (A).

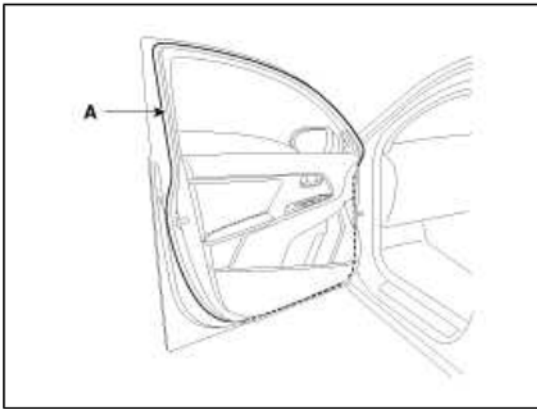


7. Installation is the reverse the removal.

NOTE

- Make sure the door lock and open properly.

1. Detach the clips, then remove the front door side weatherstrip(A).



2. Installation is the reverse of removal.

NOTE

- Replace any damaged clips.

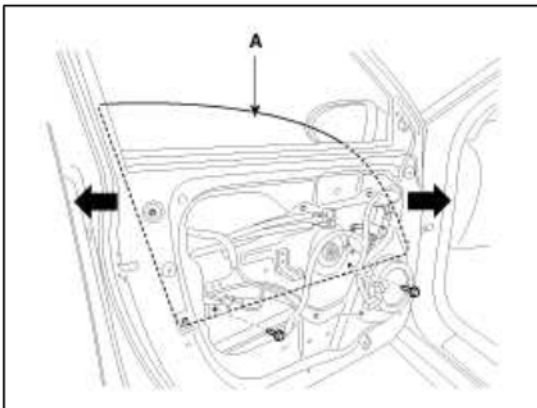
Adjustment

Glass Adjustment

NOTE

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

1. Remove the front door trim.
2. Remove the front door trim seal.
3. Carefully move the glass (A) until you can see the glass mounting bolts, then loosen them.



4. Check that the glass moves smoothly.

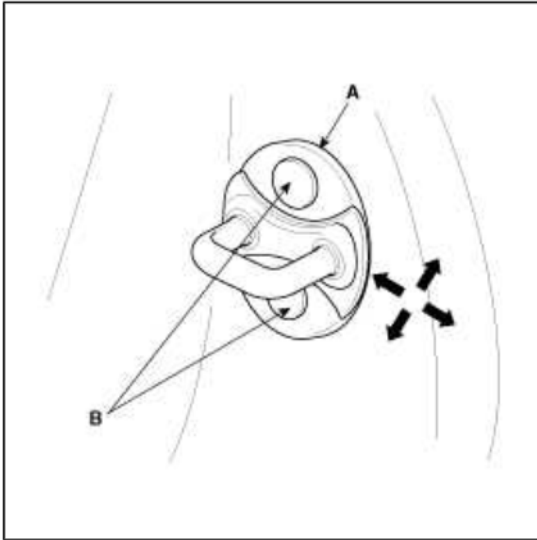
Door Striker Adjustment

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

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

Tightening torque:

(B): 16.7 ~ 21.6 N.m (1.7 ~ 2.2 kgf.m, 12.3 ~ 15.9 lb-ft)



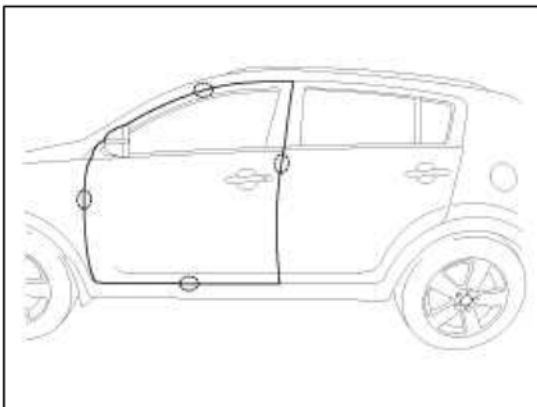
2. Tap on the striker with a plastic hammer to adjust the striker. The striker will not move much, but will give some adjustment.
3. Hold the outer handle out, and push the door against the body to be sure the striker allows a flush fit. If the door latches properly, tighten the screws and recheck.

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. Check that the door and body edges are parallel.



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

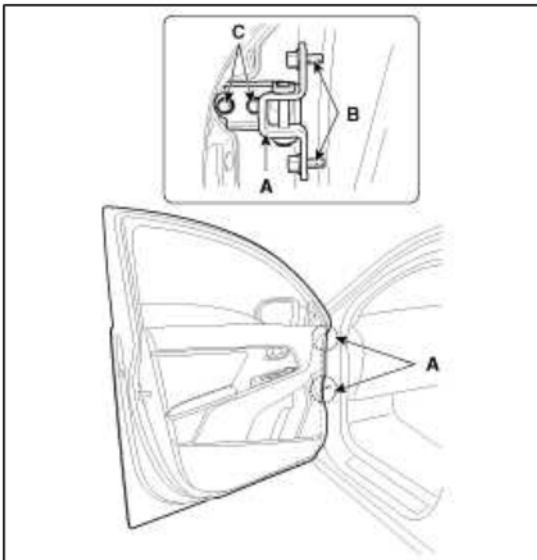
3. Adjust at the hinges (A):

- A. Loosen the door mounting bolts 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.

Tightening torque :

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

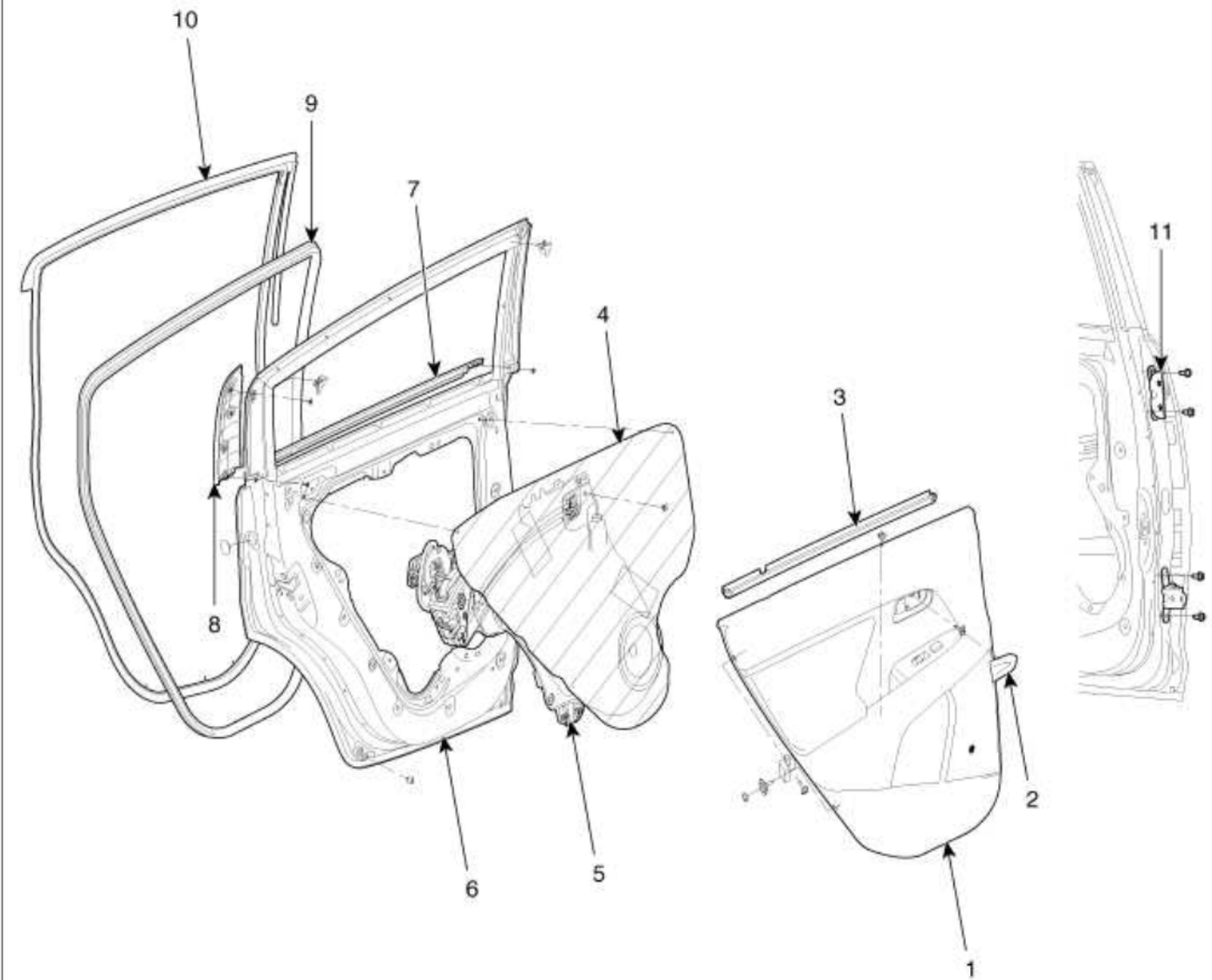
(C) : 34.3 ~ 41.2 N.m (3.5 ~ 4.2 kgf.m, 25.3 ~ 30.4 lb-ft)



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

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

Components



- | | |
|---------------------------------------|-------------------------------------|
| 1. Rear door trim | 7. Rear door belt weatherstrip |
| 2. Rear door inside handle cap | 8. Rear door frame garnish |
| 3. Rear door belt inside weatherstrip | 9. Rear door body side weatherstrip |
| 4. Rear door trim seal | 10. Rear door side weatherstrip |
| 5. Rear door module | 11. Rear door hinge |
| 6. Rear door panel | |

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

Replacement

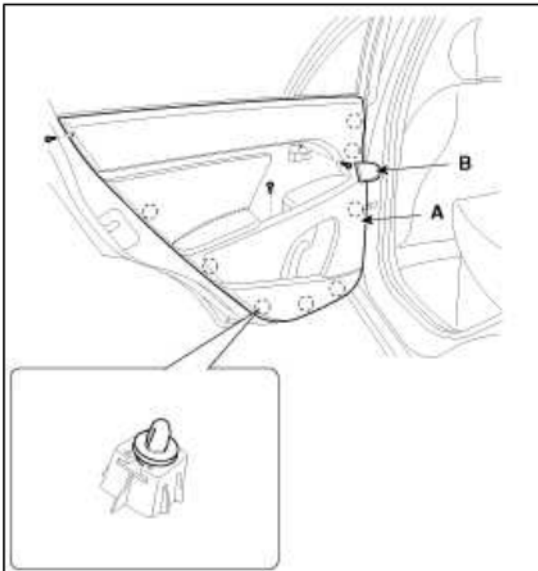
Door Trim Replacement

CAUTION

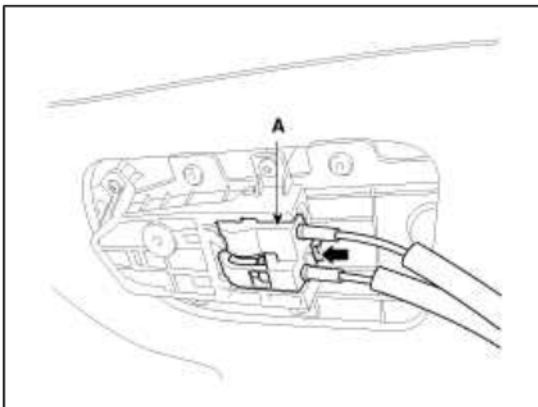
- Take care not to scratch the door trim and other parts.
- Put on gloves to protect your hands.

1. Using a screwdriver or remover, remove the rear door inside handle cap (B).

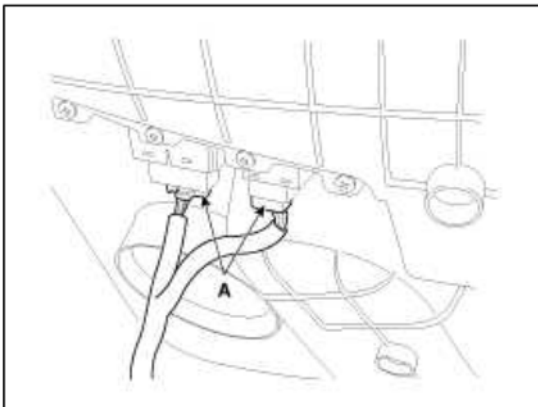
2. After loosening the mounting screws, then remove the rear door trim (A).



3. Remove the inside handle cage (A).



4. Disconnect the power window connectors (A).



5. Installation is the reverse of removal.

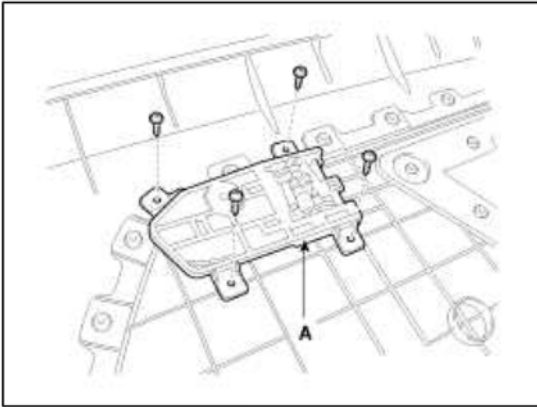
NOTE

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

Inside Handle Replacement

1. Remove the rear door trim.

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



3. Installation is the reverse of removal.

NOTE

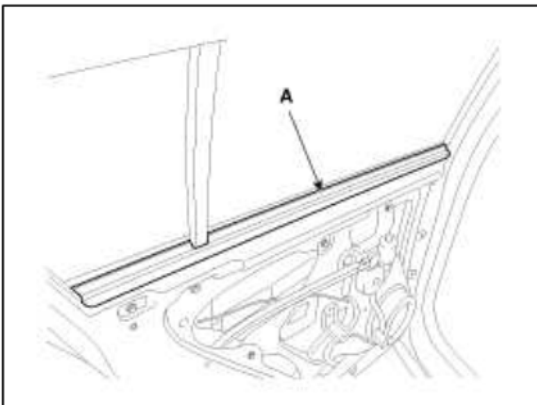
- Replace any damaged clips.
- Make sure the door lock and opens properly.

Glass Replacement

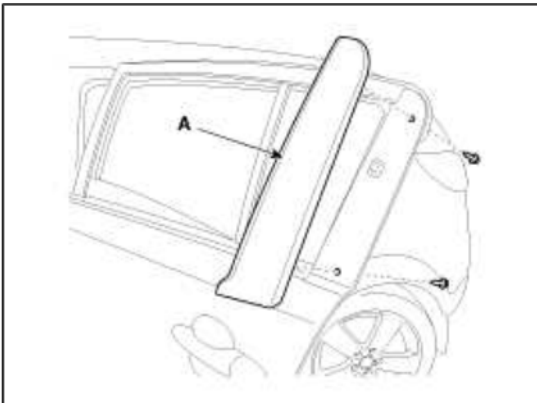
CAUTION

- Put on gloves to protect your hands.

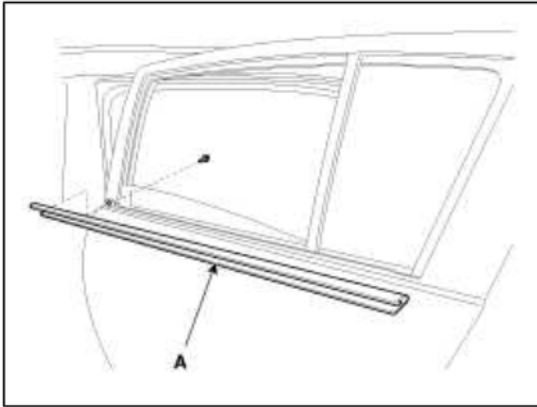
1. Remove the rear door trim.
2. Remove the rear door belt inside weatherstrip (A).



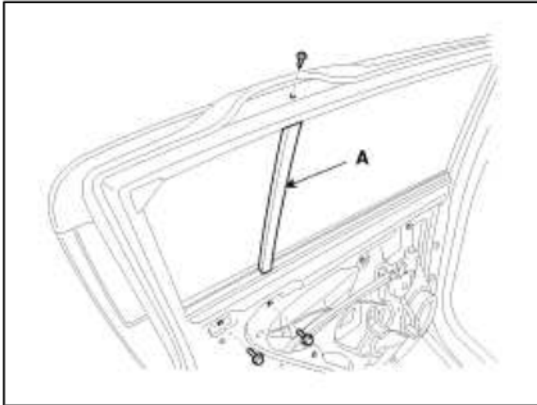
3. After loosening the mounting screws, then remove the rear door frame garnish (A).



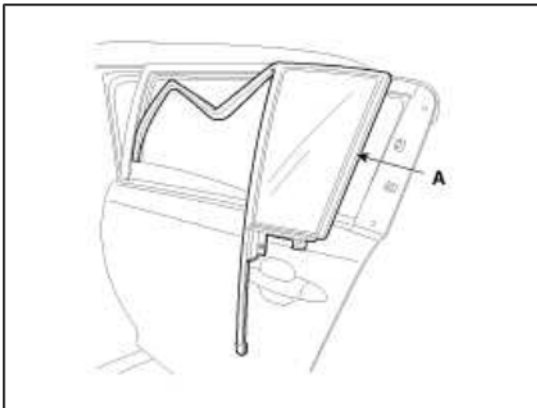
4. After loosening the mounting screws, then remove the rear door belt weatherstrip (A).



5. Loosen the rear channel (A) mounting screw and bolts.



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



7. Remove the glass mounting hole plug.

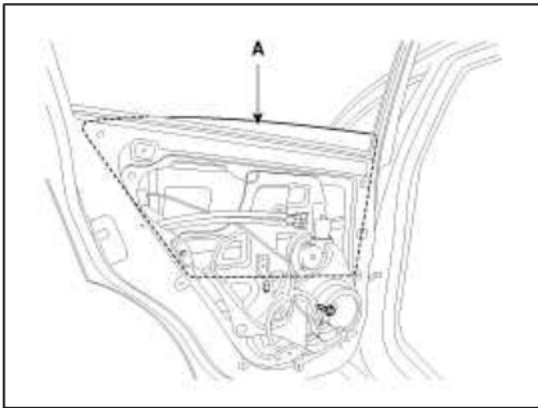
CAUTION

- Use the door switch to align the mounting hole/bolt with the hole in the door.
- If unable to operate the window motor, remove the motor and align the hole by hand.
- Be careful not to drop the glass and/or scratch the glass surface.

8. Carefully adjust the glass (A) until you can see the bolts, then loosen them. Separate the glass from the glass run and carefully pull the glass out through the window slot.

Tightening torque :

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



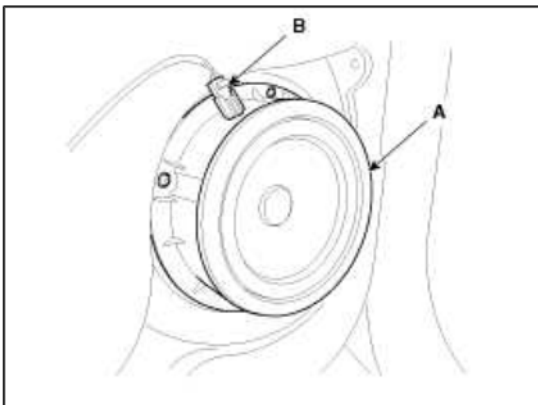
9. Installation is the reverse the removal.

NOTE

- A. Roll the glass up down to see if it move freely without binding
- B. Adjust the position of the glass as needed.
- C. Make sure the door lock and opens properly.
- D. Replace any damaged clips

Speaker Replacement

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



4. Installation is the reverse of removal.

NOTE

- Use sheet metal screws to secure the speaker.
- Make sure the connector are connected properly and each rod is connected securely.
- Make sure the door lock and opens properly.
- Replace any damaged clips.

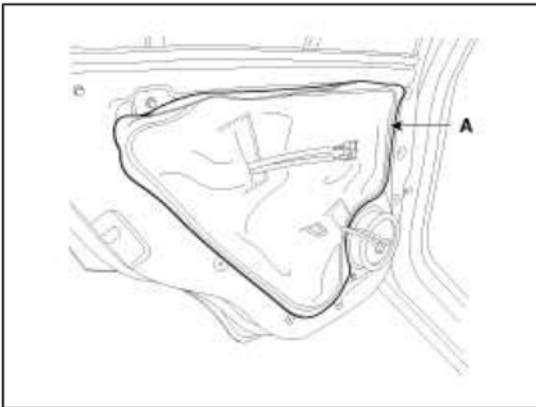
Power Window Motor Replacement

1. Remove the rear door trim.

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

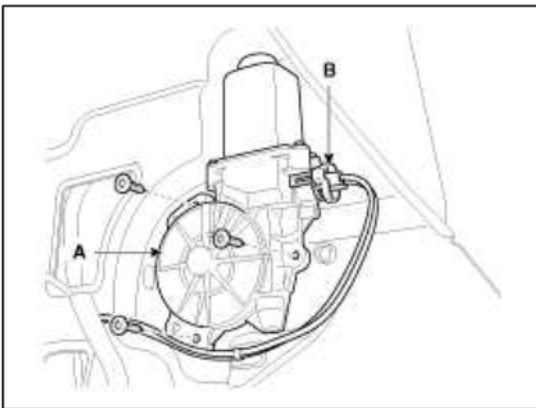
NOTE

- Replace any damaged door trim seal.



3. Disconnect the power window motor connector (B).

4. After loosening the mounting screws, then remove the power window motor (A).



5. Installation is the reverse of removal.

NOTE

- The area of rotational parts and springs should be applied with sufficient grease.
- Roll the glass up down to see if it move freely without binding.

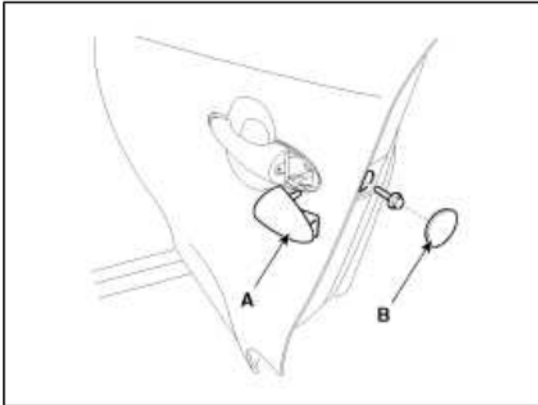
Outside Handle Replacement

1. Remove the hole plug (B).

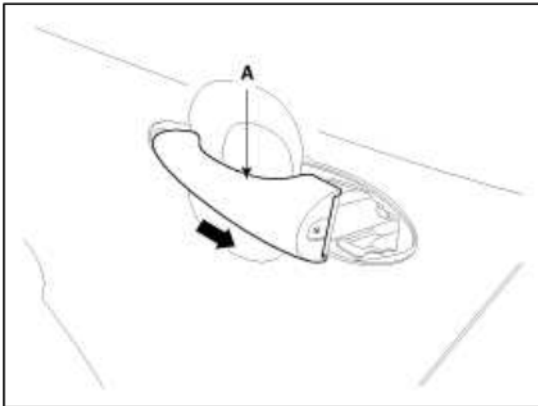
2. After loosening the mounting bolt, then remove the outside handle cover (A).

Tightening torque :

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



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



4. Installation is the reverse of removal.

NOTE

- Make sure the door lock and open properly.

Door Module Assembly Replacement

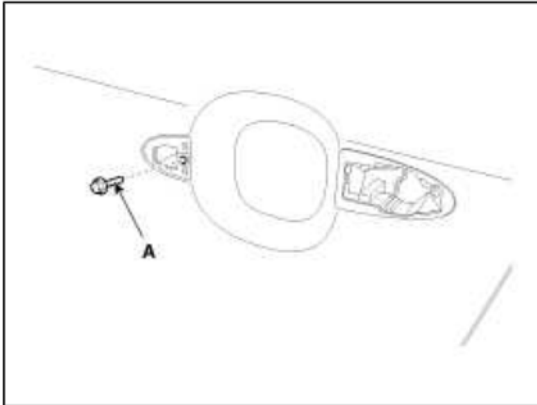
1. Remove the following parts.

- A. Rear door trim
- B. Rear door trim seal
- C. Window glass
- D. Outside handle
- E. Rear channel
- F. Rear door fixed glass

2. Loosen the mounting bolt (A).

Tightening torque :

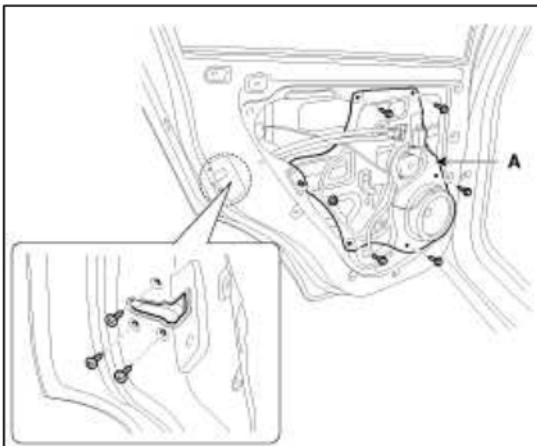
6.9 ~ 10.8 N.m (0.7 ~ 1.1 kgf.m, 5.1 ~ 8.0 lb-ft)



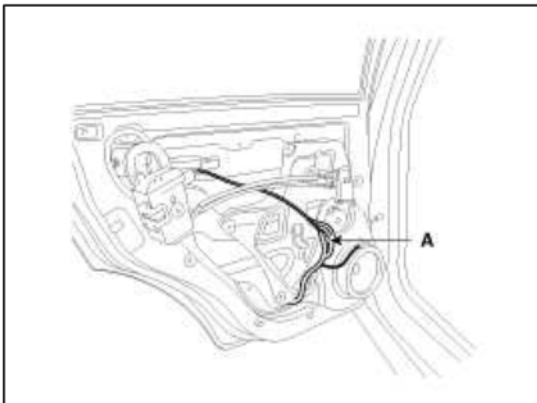
3. After loosening the rear door module mounting bolts and nut, then remove the rear door module (A).

Tightening torque :

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



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



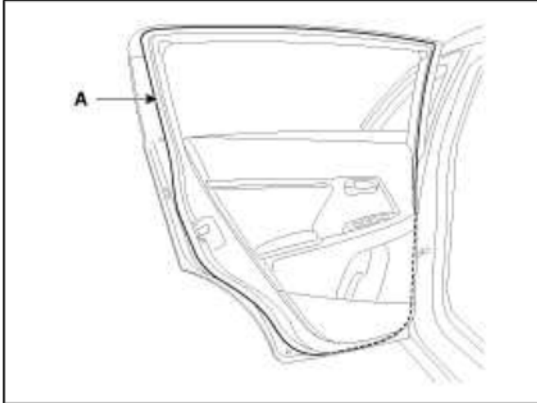
5. Installation is the reverse of removal.

NOTE

- The area of whole parts should be applied with sufficient grease.
- Make sure the connector is plugged in properly and each rod is connected securely.
- Make sure the door lock and open properly.

Door Weatherstrip Replacement

1. Detach the clips, then remove the rear door side weatherstrip (A).



2. Installation is the reverse the removal.

NOTE

- Replace any damaged clips.

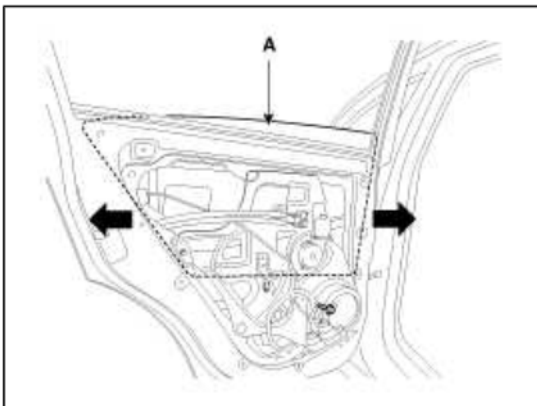
Adjustment

Glass Adjustment

NOTE

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

1. Remove the rear door trim.
2. Remove the rear door trim seal.
3. Carefully move the glass (A) until you can see the glass mounting bolt, then loosen them.



4. Check that the glass moves smoothly.

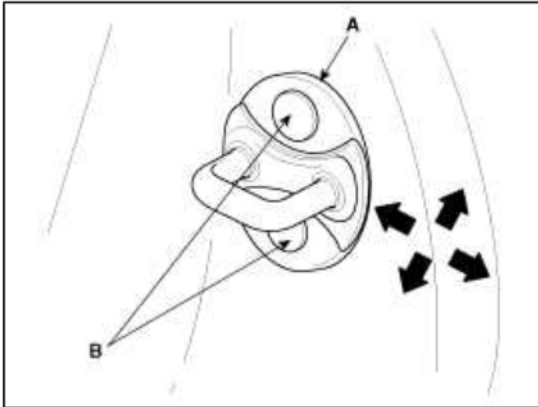
Door Striker Adjustment

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

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

Tightening torque:

(B): 16.7 ~ 21.6 N.m (1.7 ~ 2.2 kgf.m, 12.3 ~ 15.9 lb-ft)



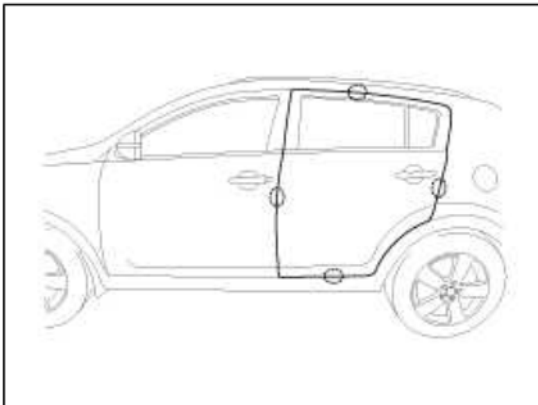
2. Tap on the striker with a plastic hammer to adjust the striker. The striker will not move much, but will give some adjustment.
3. Hold the outer handle out, and push the door against the body to be sure the striker allows a flush fit. If the door latches properly, tighten the screws and recheck.

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. Check that the door and body edges are parallel.



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

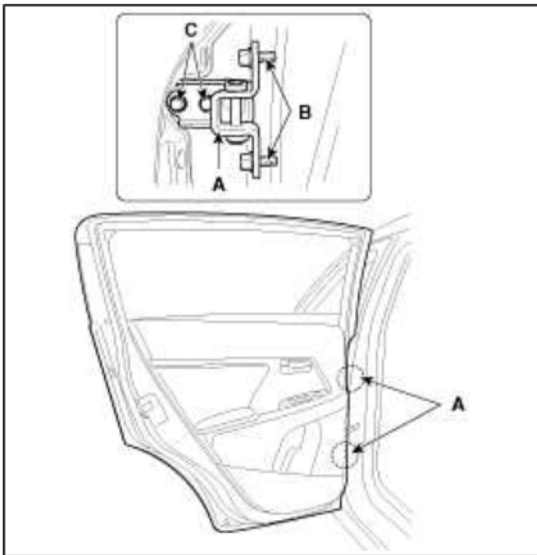
3. Adjust at the hinges (A):

- A. Loosen the door mounting bolts 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.

Tightening torque :

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

(C) : 34.3 ~ 41.2 N.m (3.5 ~ 4.2 kgf.m, 25.3 ~ 30.4 lb-ft)



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

Body (Interior and Exterior) > Exterior > Body Side Moldings > Repair procedures

Replacement

Roof Rack Replacement

CAUTION

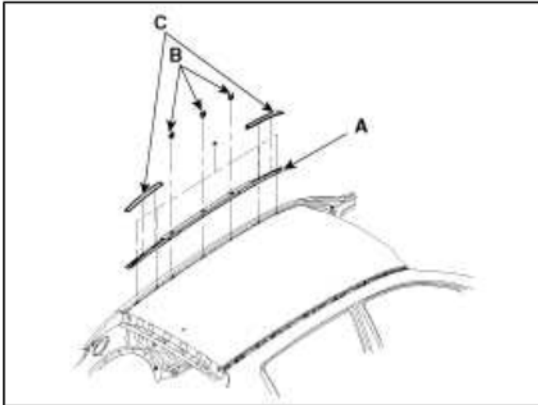
- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damaged.
- Put on gloves to protect your hands.
- Take care not to scratch the body surface.

1. Using a screwdriver or remover, remove the roof rack cover (C).
2. Using a screwdriver or remover, remove the roof rack side rail cover (B).

3. After loosening the mounting nuts, then remove the roof rack (A).

Tightening torque :

3.9 ~ 4.4 N.m (0.4 ~ 0.45 kgf.m, 2.9 ~ 3.3 lb-ft)



4. Installation is the reverse of removal.

NOTE

- Replace any damage clips.

Roof Rack Replacement [Panoramaroof]

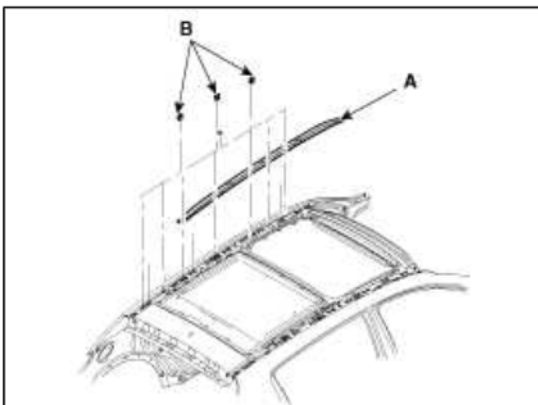
CAUTION

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

1. Using a screwdriver or remover, remove the roof rack side rail cover (B).
2. After loosening the mounting nuts, then remove the roof rack (A).

Tightening torque :

3.9 ~ 4.4 N.m (0.4 ~ 0.45 kgf.m, 2.9 ~ 3.3 lb-ft)



3. Installation is the reverse of removal.

NOTE

- Replace any damage clips.

Roof Molding Replacement

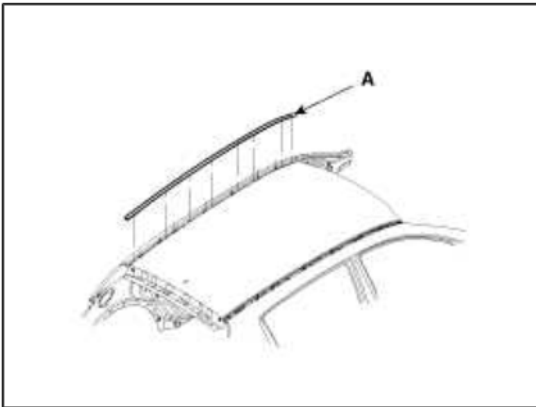
CAUTION

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

1. Remove the roof rack.
2. Using a screwdriver or remover, remove the roof molding (A).

NOTE

- Roof molding is need to changed to new product surely.



3. Installation is the reverse of removal.

NOTE

- Replace any damage clips.

Roof Molding Replacement [Panoramaroof]

CAUTION

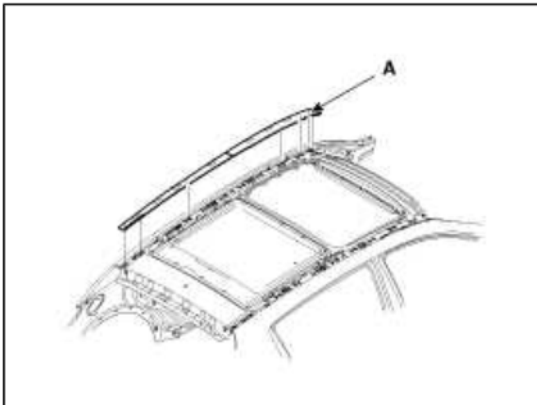
- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damaged.
- Put on gloves to protect your hands.
- Take care not to scratch the body surface.

1. Remove the roof rack.

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

NOTE

- Roof molding is need to changed to new product surely.



3. Installation is the reverse of removal.

NOTE

- Replace any damage clips.

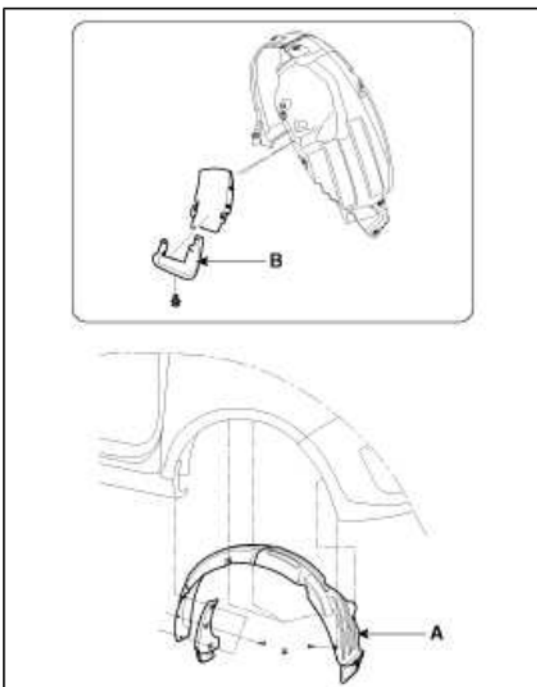
Front Wheel Guard And Mud Guard Replacement

CAUTION

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

1. Remove the front tire.

2. After loosening the mounting clips and screws, then remove the front wheel guard (A), mud guard (B).



3. Installation is the reverse of removal.

NOTE

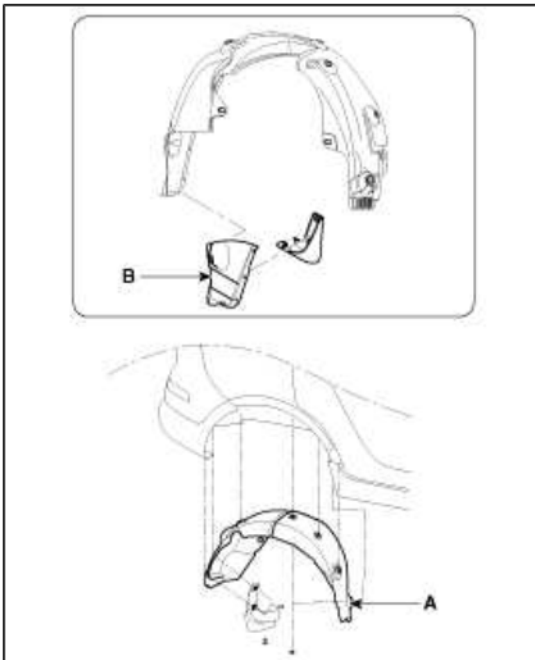
- Replace any damage clips.

Rear Wheel Guard And Mud Guard Replacement

CAUTION

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

1. Remove the rear tire.
2. After loosening the mounting clips and nut, then remove the rear wheel guard (A) and mud guard (B).



3. Installation is the reverse of removal.

NOTE

- Replace any damage clips.

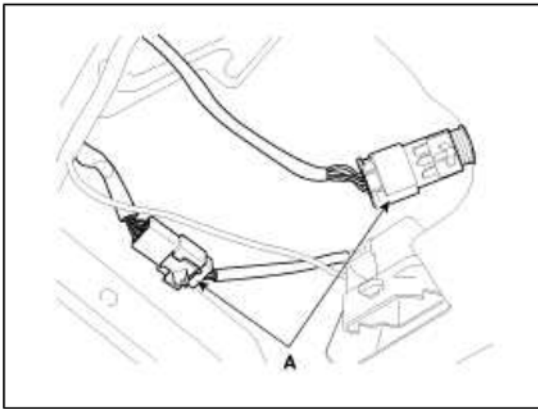
Tail Gate Garnish Replacement

CAUTION

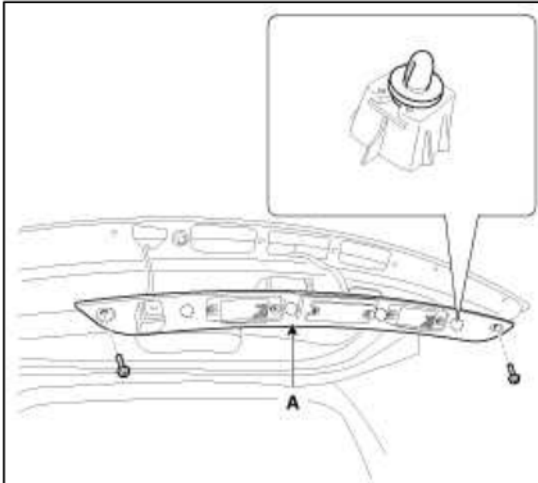
- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damaged.
- Put on gloves to protect your hands.
- Take care not to scratch the body surface.

1. Remove the tail gate trim.
(Refer to the BD group - "Tail Gate")

2. Disconnect the connectors (A).



3. After loosening the mounting screws, then remove the tail gate garnish (A).



4. Installation is the reverse of removal.

NOTE

- Replace any damage clips.

Rear Spoiler Replacement

CAUTION

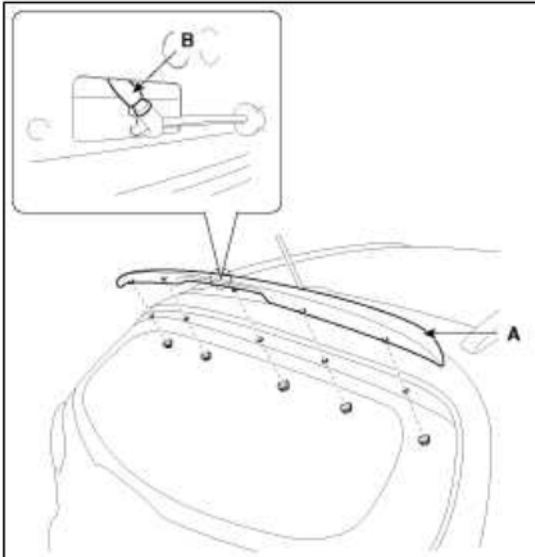
- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damaged.
- Put on gloves to protect your hands.
- Take care not to scratch the body surface.

1. Remove the tail gate trim.

(Refer to the BD group - "Tail Gate")

2. Disconnect the washer nozzle (B).

3. After loosening the mounting nuts, then remove the rear spoiler (A).



4. Installation is the reverse of removal.

NOTE

- Replace any damage clips.

Fender Garnish Replacement

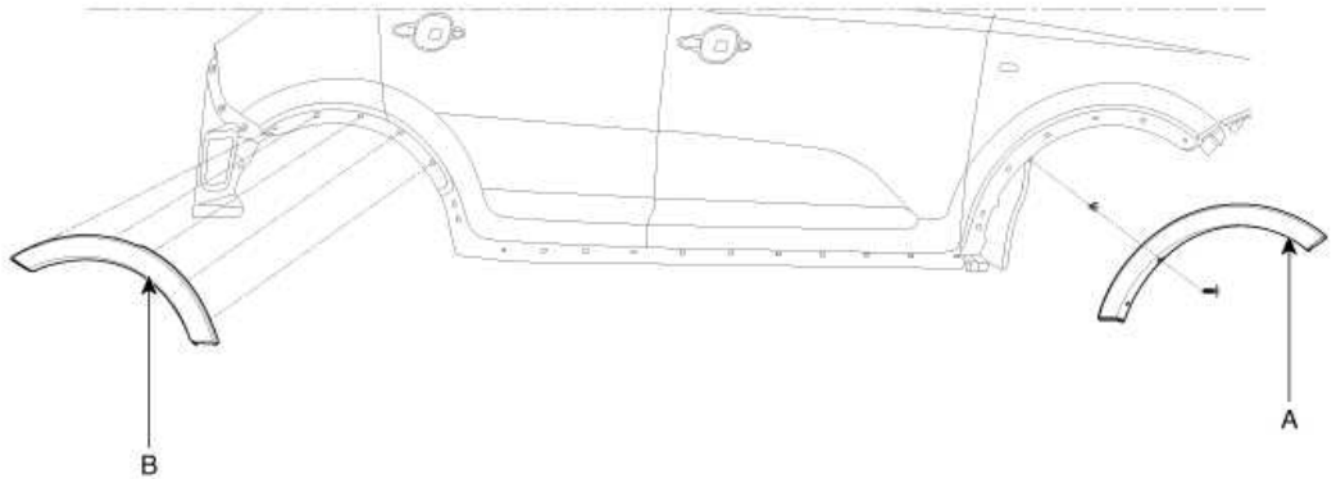
CAUTION

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

1. Loosen the front fender garnish mounting screw.
2. Using a screwdriver or remover, remove the front fender garnish (A).
3. Using a screwdriver or remover, remove the rear fender garnish (B).
4. Installation is the reverse of removal.

NOTE

- Replace any damage clips.



Side Sill Molding Replacement

CAUTION

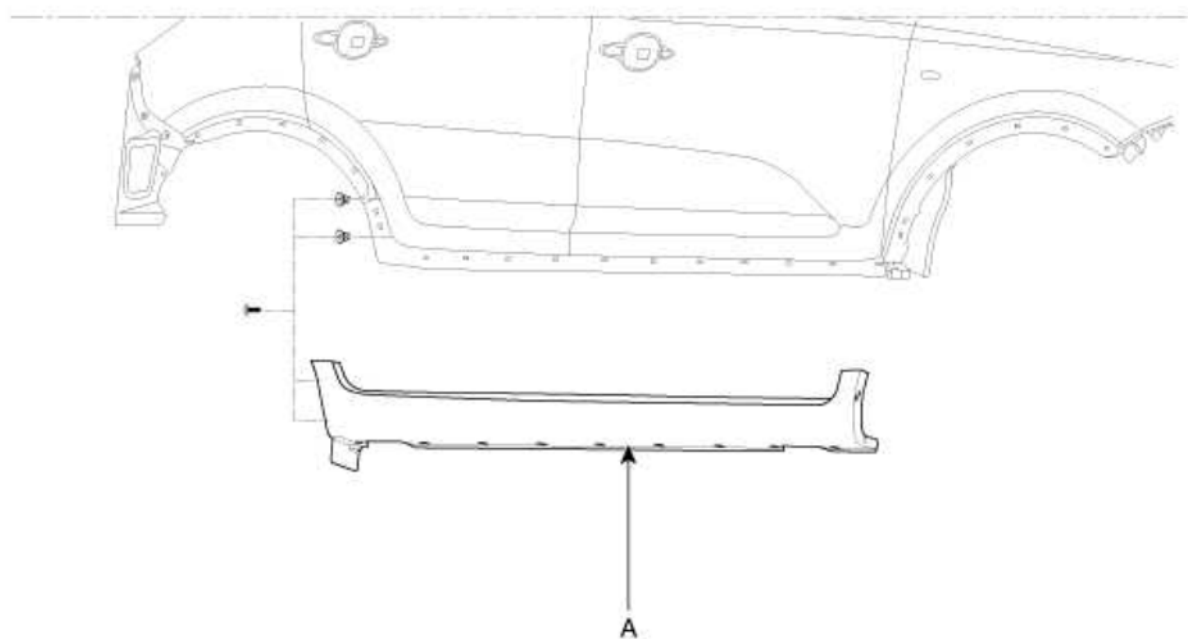
- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damaged.
- Put on gloves to protect your hands.
- Take care not to scratch the body surface.

1. Loosen the side sill molding mounting screws.
2. Using a screwdriver or remover, remove the side sill molding (A).

3. Installation is the reverse of removal.

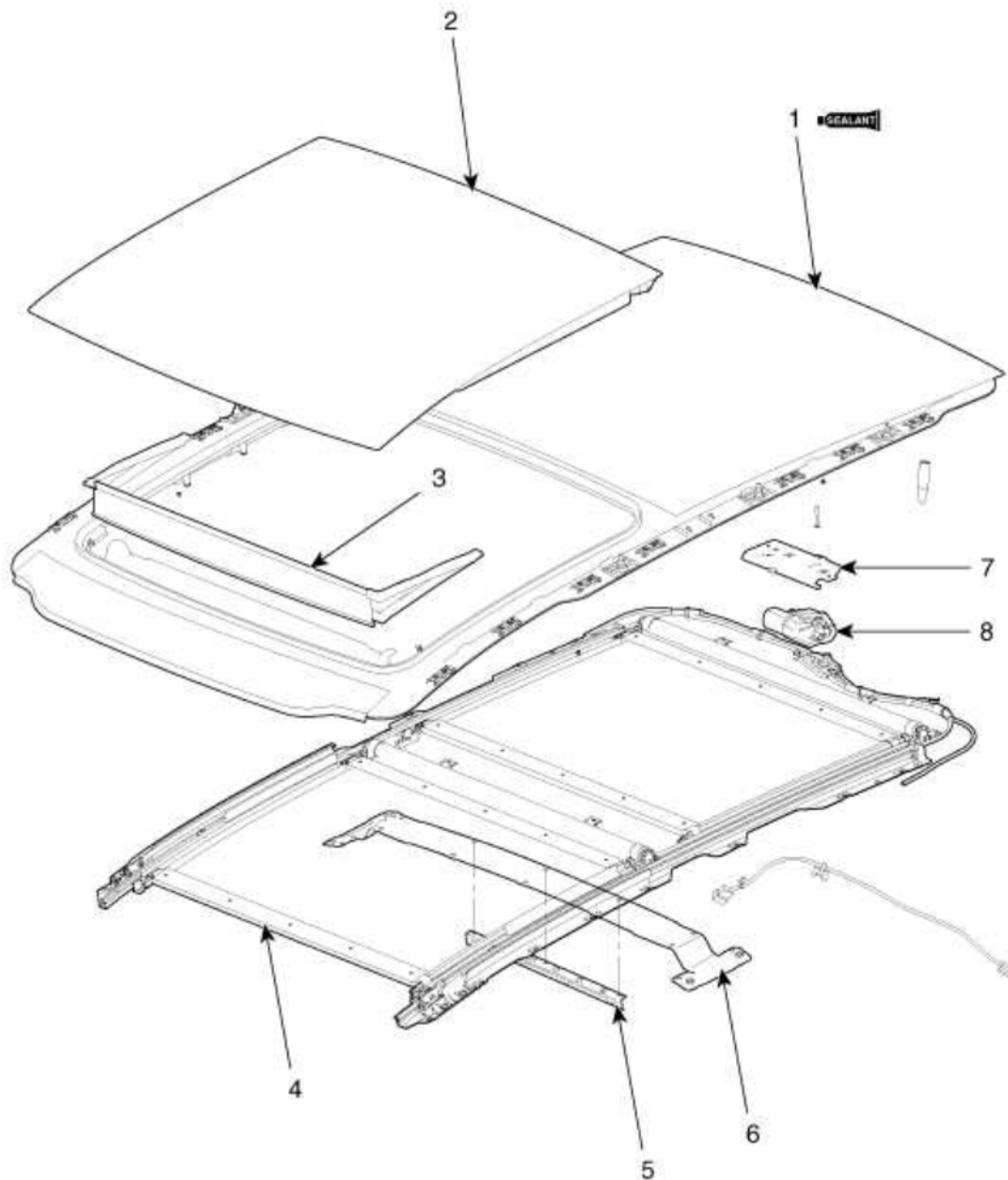
NOTE

- Replace any damage clips.



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

Components



- | | |
|--------------------------------|---------------------------------|
| 1. Panoramaroof frame assembly | 5. Impact bracket |
| 2. Movable glass assembly | 6. Impact cross member assembly |
| 3. Wind deflector assembly | 7. EMC metal sheet |
| 4. Mechanism assembly | 8. Motor assembly |

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

Replacement

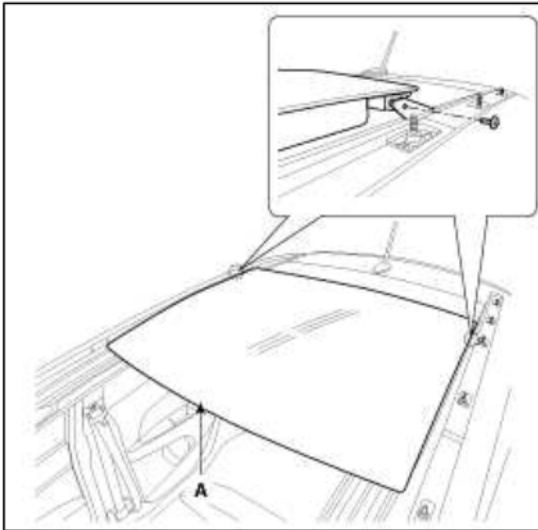
Movable Glass Replacement

1. Remove the roof rack and roof molding.
(Refer to the BD group - "Body Side Moldings")
2. Open the movable glass.

3. Loosen the movable glass (A) mounting screw.

CAUTION

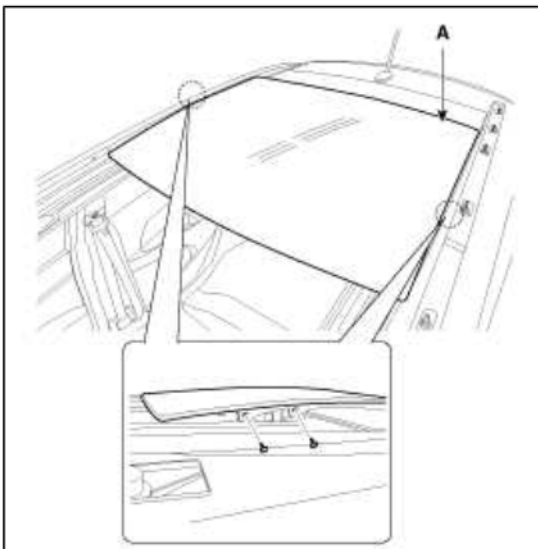
- Do not damage the screw.



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

CAUTION

- Do not damage the screw.

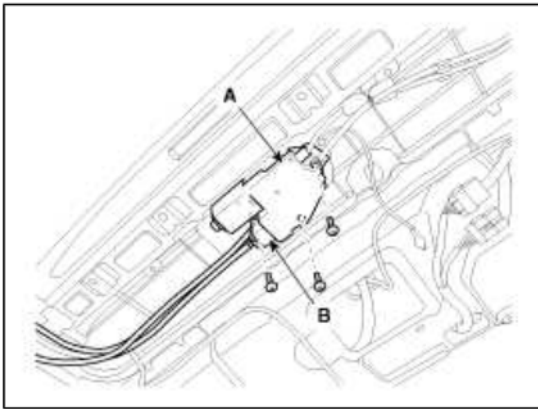


5. Installation is the reverse of removal.

Motor Replacement

1. Remove the roof trim.
(Refer to the BD group - "Roof Trim")
2. Disconnect the connector (B).

3. Remove the panoramaroof motor after removing screws from the panoramaroof motor (A).



4. Installation is the reverse of removal.

CAUTION

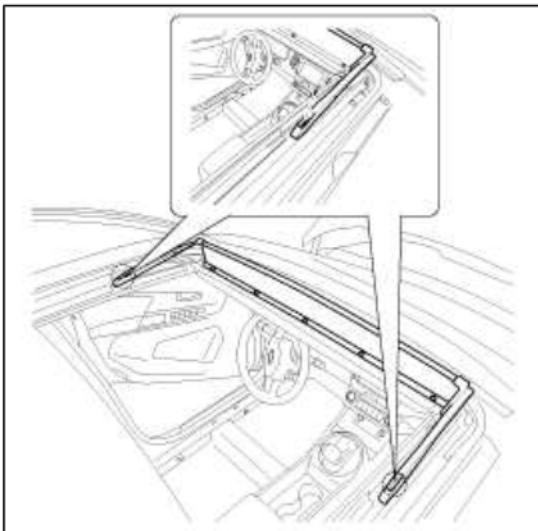
- Make sure to initialize the motor.

Wind Deflector Replacement

1. Open the movable glass fully.
2. Using a star wrench, the wind deflector loosening the mounting screw.

CAUTION

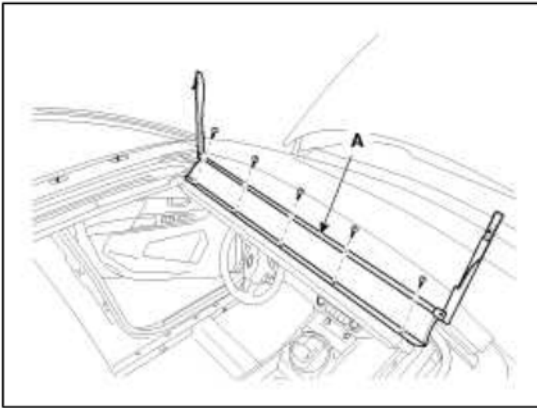
- Do not damage the screw.



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

CAUTION

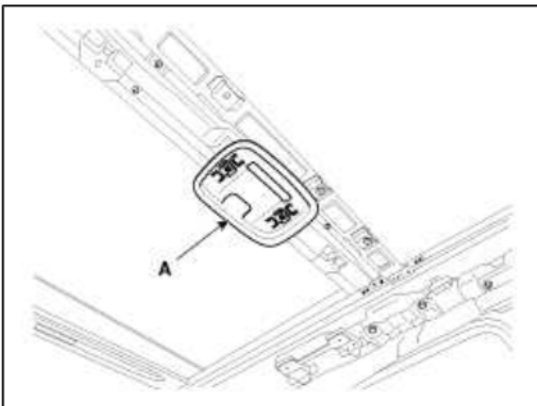
- Do not damage the screw.



4. Installation is the reverse of removal.

Roll Blind Replacement**Removal**

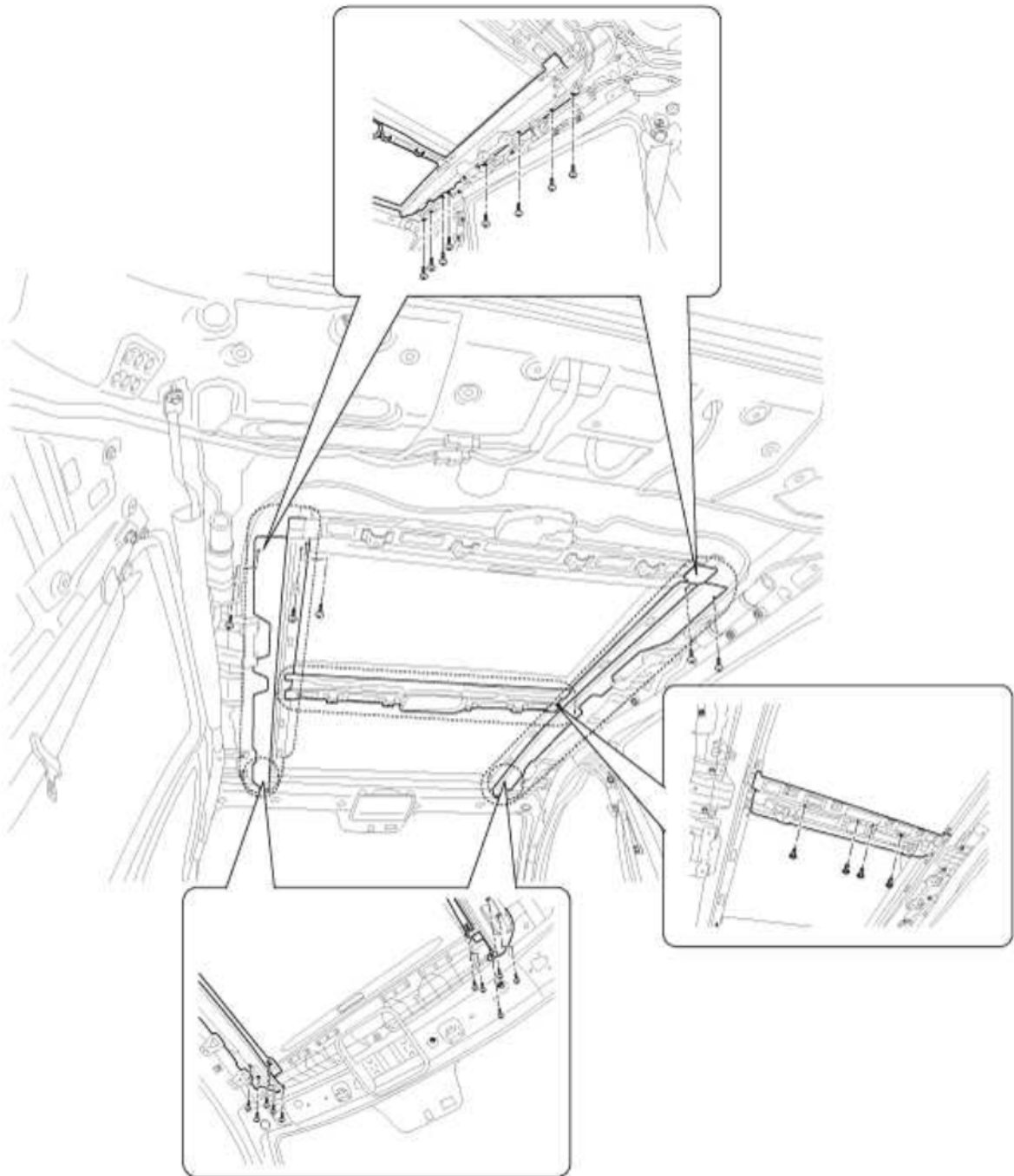
1. Remove the following items.
 - A. Roof trim
(Refer to the BD group - "Roof Trim")
 - B. Movable glass
 - C. Motor
2. Using a screwdriver or remover, remove the room lamp bracket (A).



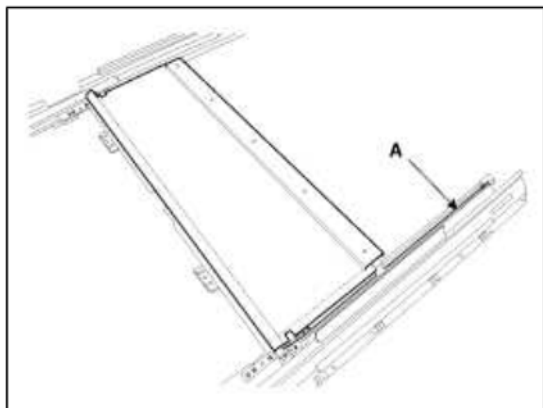
3. Remove the mechanism rail assembly loosening the mounting screw, and then remove the mechanism rail assembly (A).

CAUTION

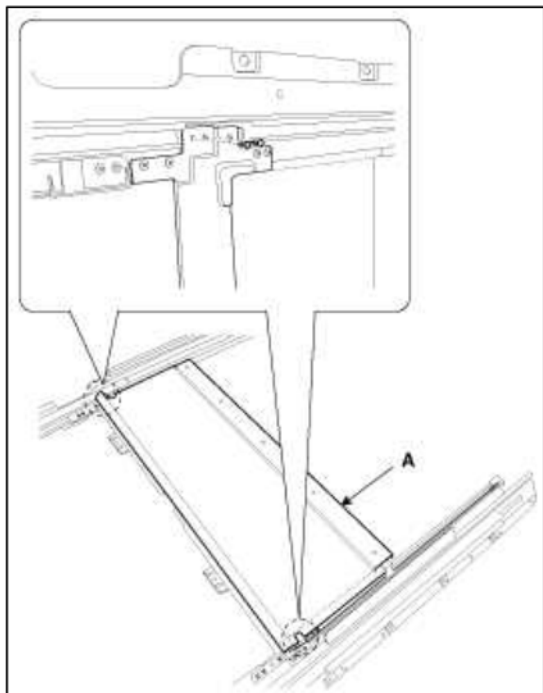
- Do not damage the screws.



4. Cut the tension wire (A) to prevent the injury.



5. After loosening the rail blind mounting screws, and removing the rivet, remove the rail blind (A).

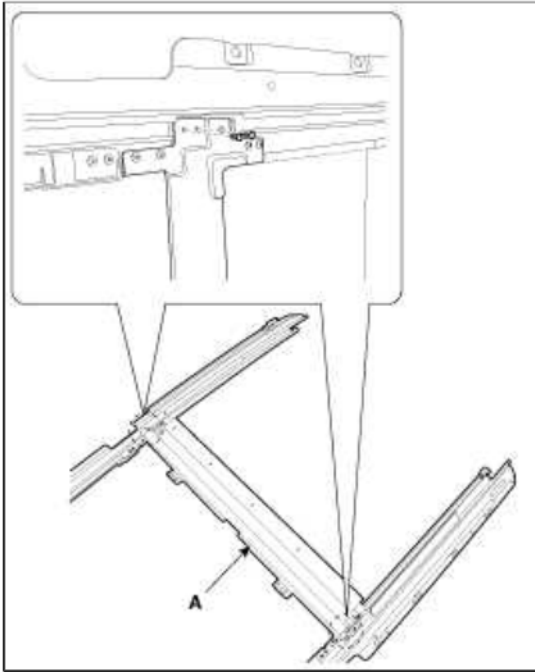


Installation

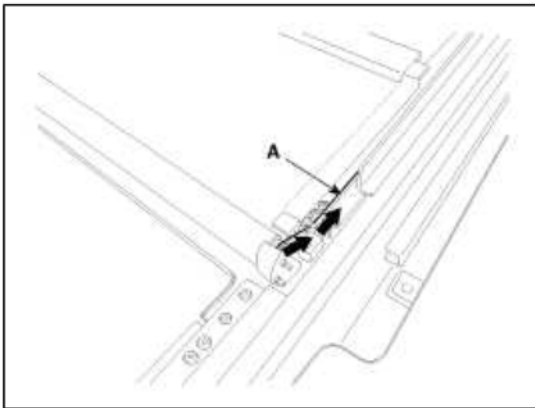
1. Installation the rail blind (A).

NOTE

- Insert the part of fabric both ends to guide.



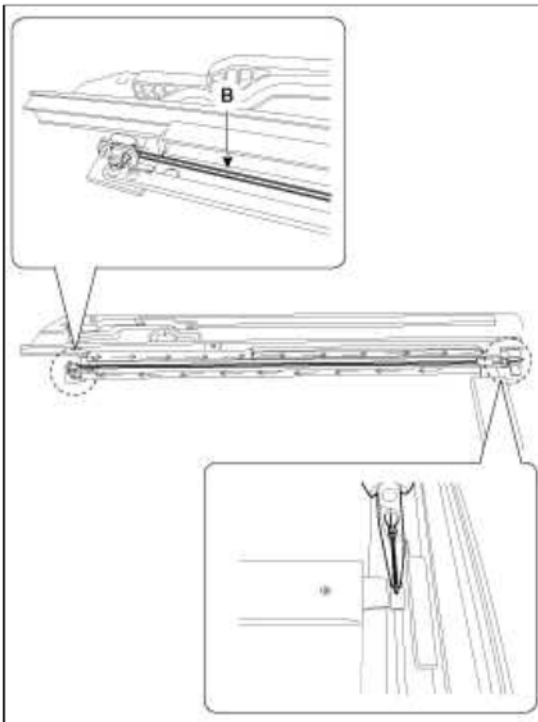
2. Install the wire (A) in arrow direction.



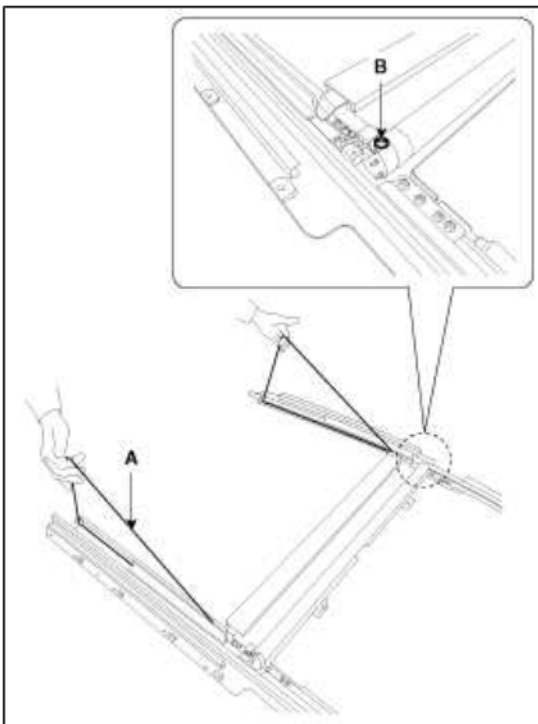
3. Install the wire (B) in arrow direction.

NOTE

- Insert the wire into the cover completely when installing.



4. Pull the wire (A) as below picture.
5. Lay down the wire (A) slowly after removing the clip (B).



NOTE

- Satisfy the coherence condition of roll blind is 6.9 ~ 25.5 N.m (0.7 ~ 2.6 kgf.m, 5.1 ~ 18.8 lb-ft)

6. Installation the following items.

- A. Motor
- B. Movable glass
- C. Roof trim
(Refer to the BD group - "Roof Trim")

Panoramaroof Assembly Replacement

[Removal]

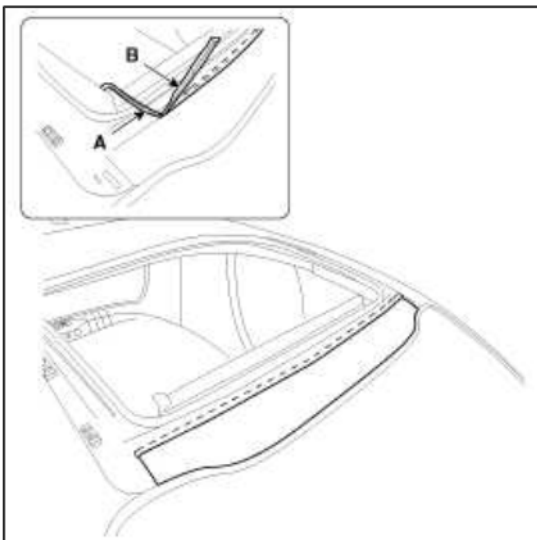
1. Remove the following items :

- A. Front seat
(Refer to the BD group - "Front Seat")
- B. Rear seat
(Refer to the BD group - "Rear Seat")
- C. Interior trim
(Refer to the BD group - "Interior Trim")
- D. Roof trim
(Refer to the BD group - "Roof Trim")
- E. Roof antenna
(Refer to the BE group - "Audio")
- F. Roof rack & Roof molding
(Refer to the BD group - "Body Side Moldings")
- G. Wind deflector

NOTE

- To protect the interior, cover the interior before starting removing the panoramaroof.

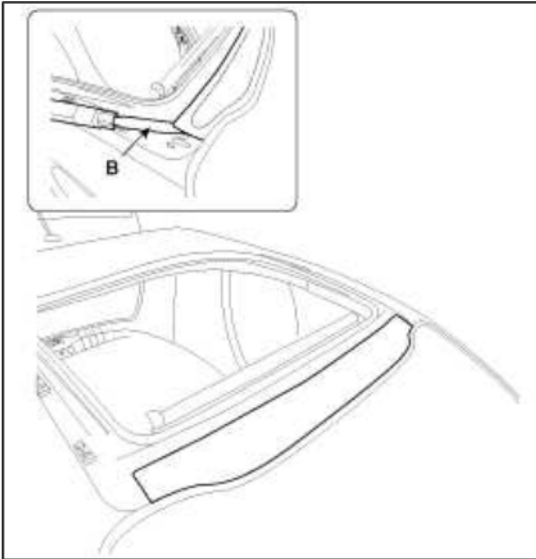
2. Using a cutter knife (B), remove the front glass weatherstrip (A).



3. Open the space between chassis and front glass using flathead screwdriver, and then cut the sealant of rear and side using a tool (09816-2P127) (B).

NOTE

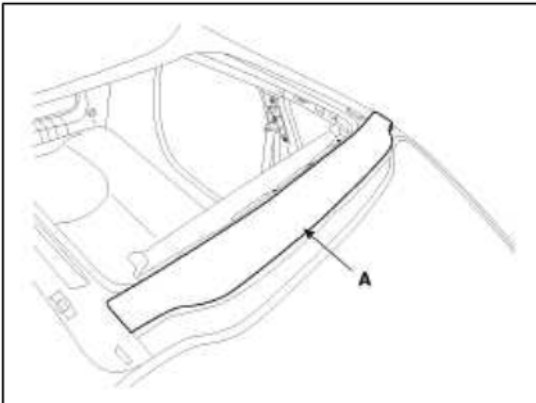
- Be careful not to damage the front glass when open the space between chassis and front glass using flathead screwdriver.



4. Remove the front glass (A).

NOTE

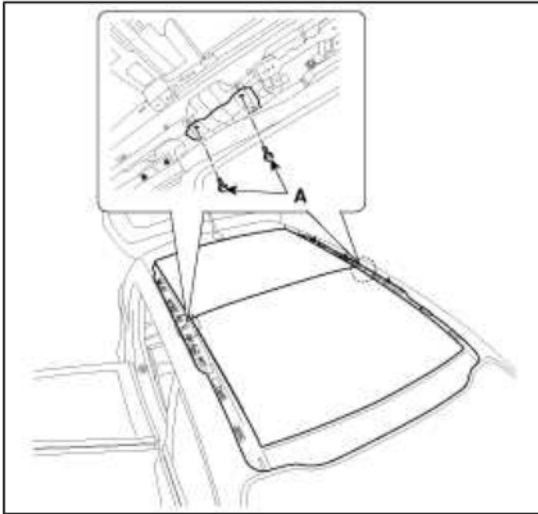
- Front glass is need to changed to new product surely.



5. Remove the panoramaroof panel mounting bracket loosening the mounting bolts (A).
-

Tightening torque :

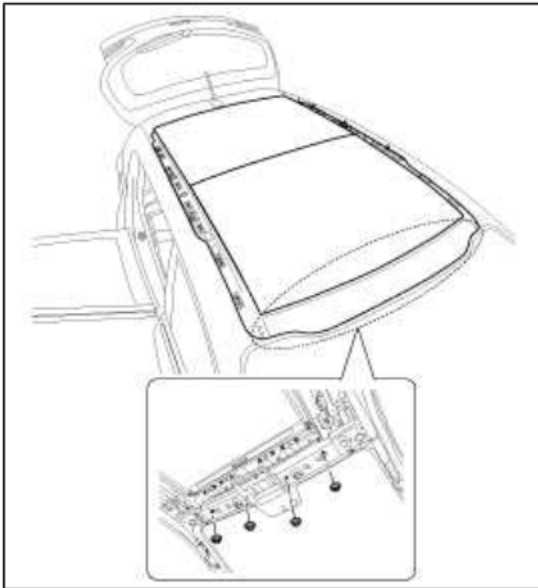
19.6 ~ 29.4 N.m (2.0 ~ 3.0 kgf.m, 14.5 ~ 21.7 lb-ft)



6. Loosen the panoramaroof panel mounting nuts.
-

Tightening torque :

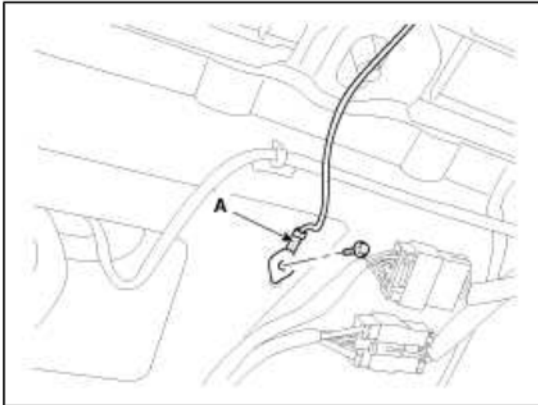
19.6 ~ 29.4 N.m (2.0 ~ 3.0 kgf.m, 14.5 ~ 21.7 lb-ft)



7. Disconnect the ground wire (A) by removing the bolt

Tightening torque :

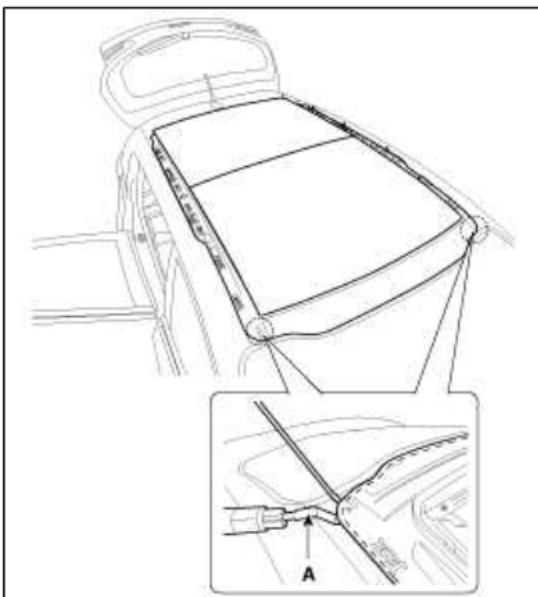
10.8 ~ 13.7 N.m (1.1 ~ 1.4 kgf.m, 8.0 ~ 10.1 lb-ft)



8. Open the space between chassis and panoramaroof using flathead screwdriver, and then cut the sealant of edge using a tool (09816-2P130) (A).

NOTE

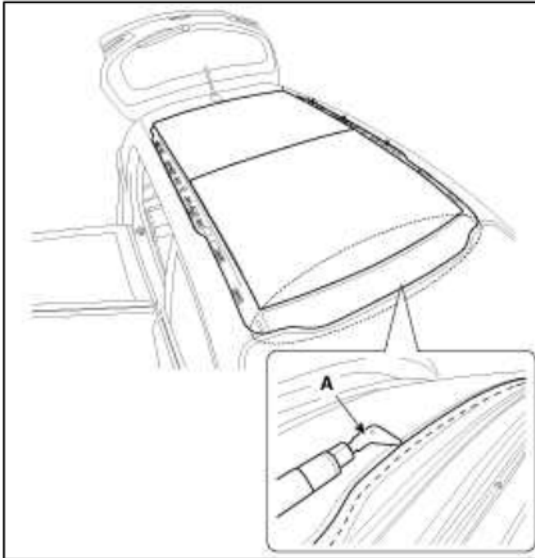
- Be careful not to damage the panoramaroof when inserting tools between the chassis and panoramaroof.



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

NOTE

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

**CAUTION**

- Be careful not to damage the panoramaroof when inserting tools between the chassis and panoramaroof.

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

NOTE

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



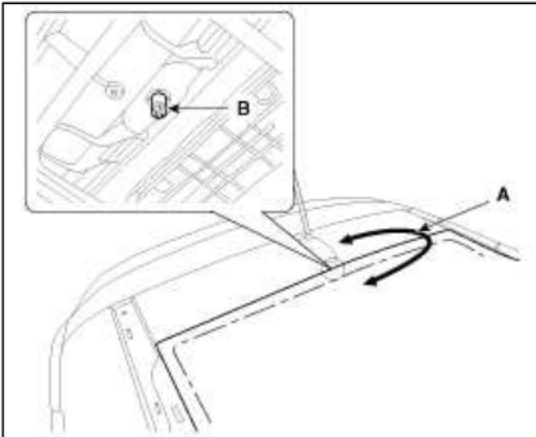
CAUTION

- Be careful not to damage the panoramaroof when inserting tools between the chassis and panoramaroof.

11. Cut off the sealant by pulling the piano wire (A) around the back panoramaroof assembly.

NOTE

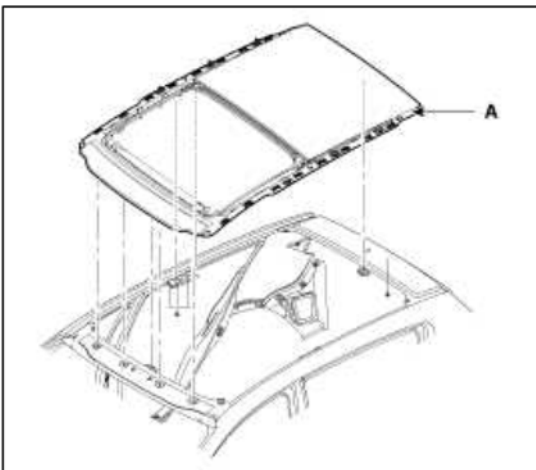
- Be careful of center hole (B) break.



12. Cut the sealant between the panoramaroof and the body, remove the panoramaroof (A).

NOTE

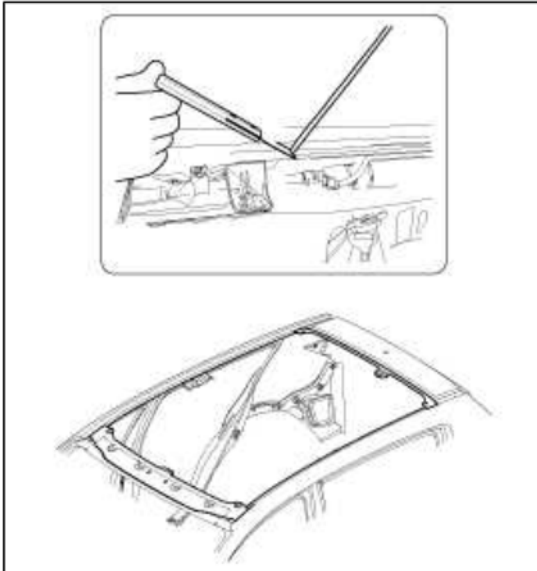
- Work with a minimum of four persons when lifting the panoramaroof on or off the vehicle.

**[Installation]**

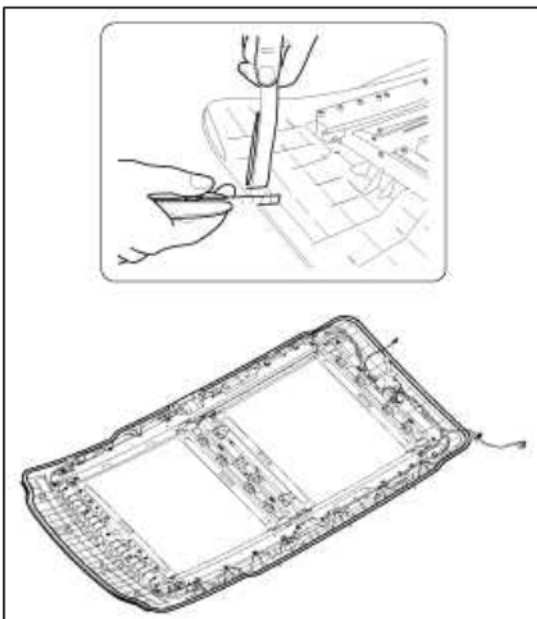
1. With a knife, scrape the old adhesive smooth to a thickness of about 2mm (0.08 in.) on the bonding surface around the entire panoramaroof opening flange

CAUTION

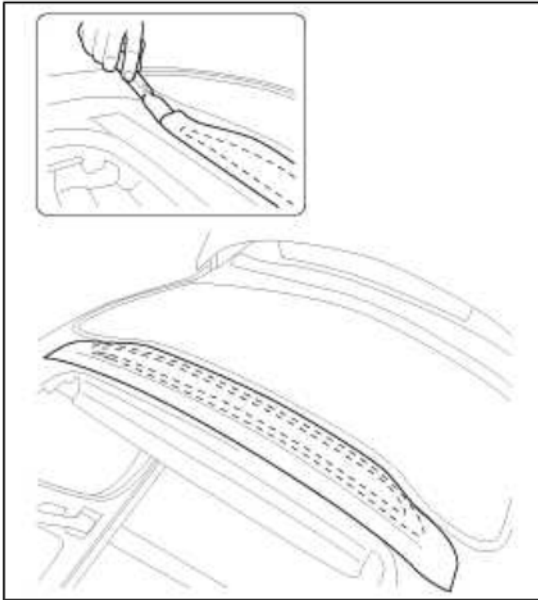
- Do not scrape down to the painted surface of the body; damaged paint will interfere with proper bonding.
- Remove the rubber dam and fasteners from the body.
- Mask off surrounding surfaces before painting.



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



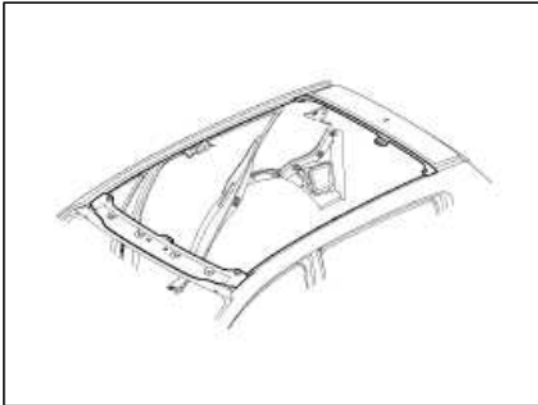
3. Remove front glass of the panoramaroof by using a cutter knife.



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

CAUTION

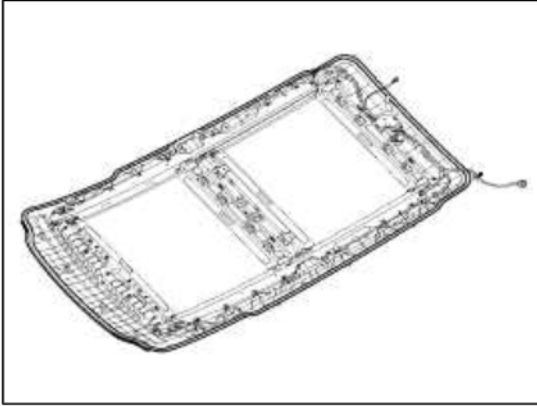
- Do not apply glass primer to the body, and be careful not to mix up glass and body primer sponges.
- Never touch the primed surfaces with your hands.
- Mask off surrounding surfaces before painting.



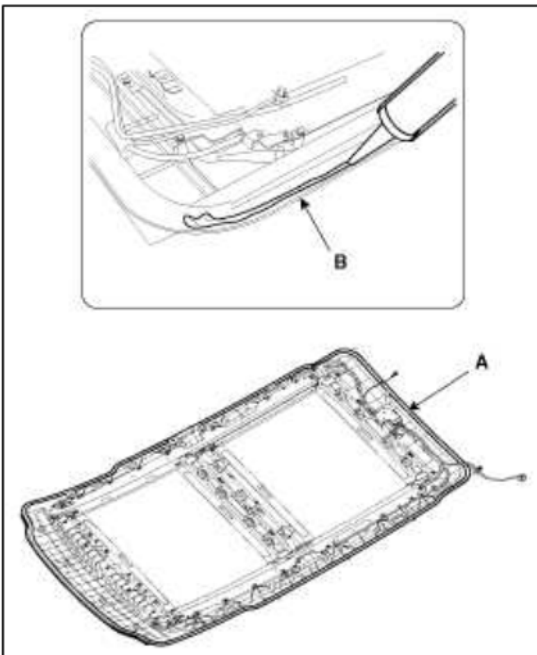
5. Apply a light coat of glass primer to the outside of the fasteners.

CAUTION

- 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.



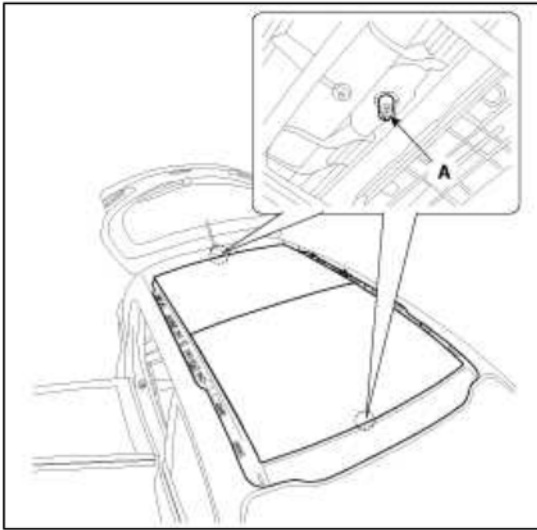
6. Pack adhesive into the cartridge without air pockets to ensure continuous delivery. Put the cartridge in a caulking gun, and run a bead of sealant (B) around the edge of the panoramaroof (A) as shown. Apply the adhesive within 30 minutes after applying the glass primer. Make a slightly thicker bead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



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

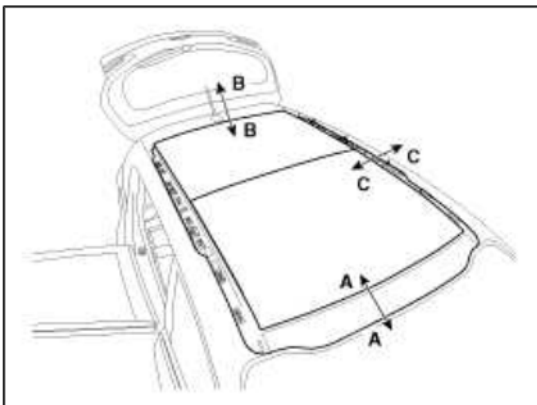
NOTE

- Work with a minimum of four persons when lifting the panoramaroof on or off the vehicle.



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

	Section	Gap	Clearance
Front edge	A-A	5.7mm (0.2244in)	0.9mm (0.0354in)
Rear edge	B-B	5mm (0.1969in)	2mm (0.0787in)
Side edge	C-C	10mm (0.3937in)	1.2mm (0.0472in)

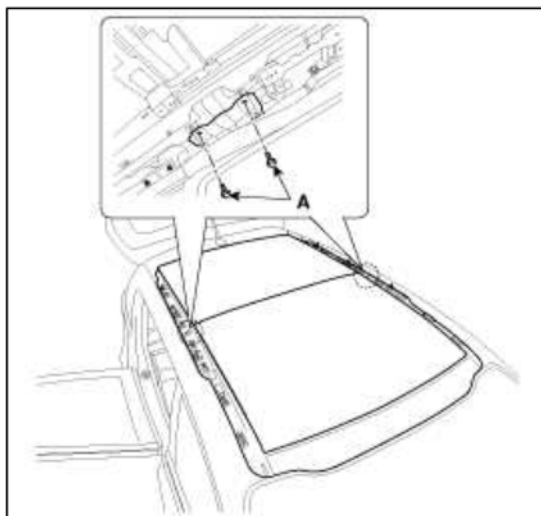


9. Install the bolts (A), to the panoramaroof panel mounting bracket.

Tightening torque :

19.6 ~ 29.4 N.m (2.0 ~ 3.0 kgf.m, 14.5 ~ 21.7lb-ft)

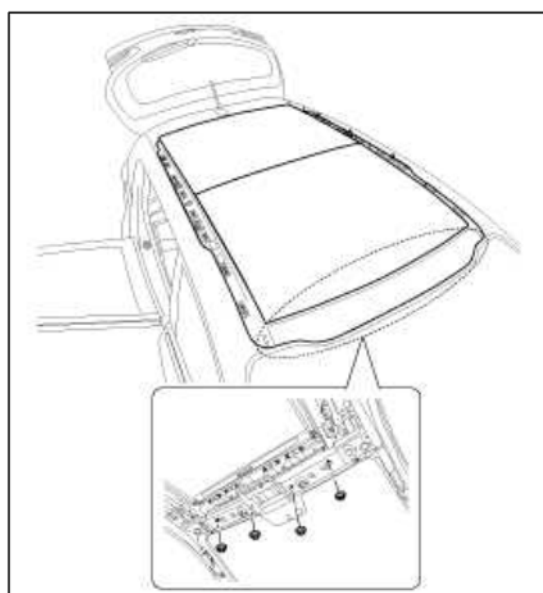
[Front]



10. Install the nuts to the panormarroof.

Tightening torque :

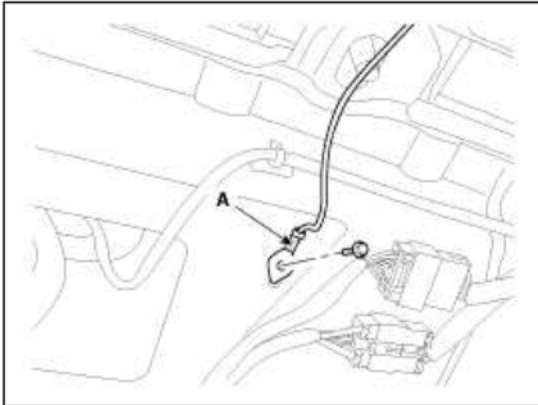
19.6 ~ 29.4 N.m (2.0 ~ 3.0 kgf.m, 14.5 ~ 21.7lb-ft)



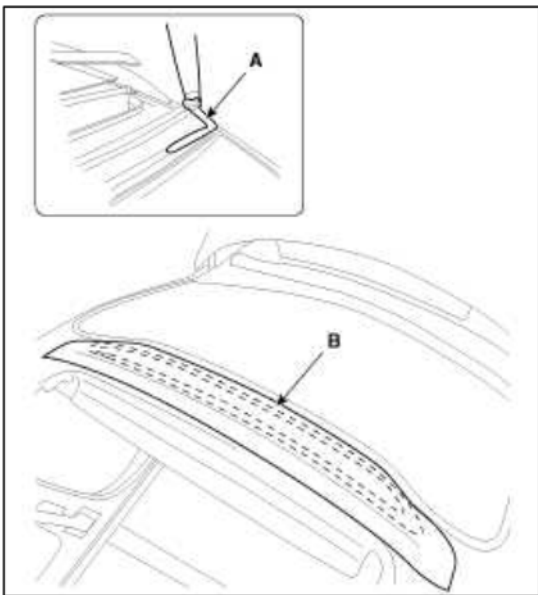
11. Install the ground wire (A) mounting bolt.

Tightening torque :

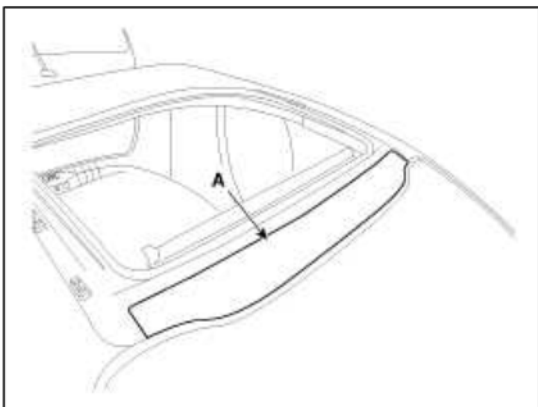
10.8 ~ 13.7 N.m (1.1 ~ 1.4 kgf.m, 8.0 ~ 10.1 lb-ft)



12. Install the roof rack and roof molding.
(Refer to the BD group - "Body Side Moldings")
13. Pack adhesive into the cartridge without air pockets to ensure continuous delivery. Put the cartridge in a caulking gun, and run a bead of sealant (A) around the edge of the panoramaroof panel (B) as shown. Apply the adhesive within 30 minutes after applying the glass primer. Make a slightly thicker bead at each corner.



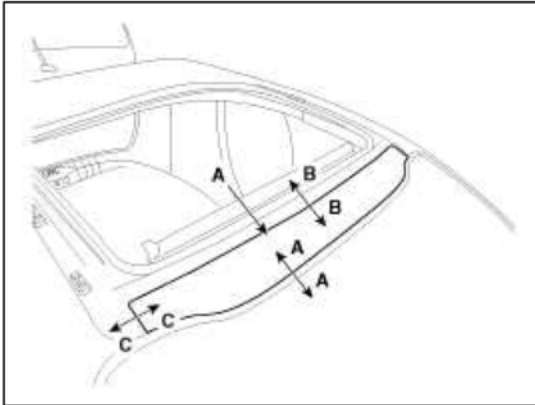
14. Install the front glass (A).



15. Close the movable glass fully.

16. Check the Clearance and gap for each side after installing the front glass (A).

	Section	Gap	Clearance
Front edge	A-A	5.7mm (0.2244 in)	0.9mm (0.0354 in)
Rear edge	B-B	7mm (0.2756 in)	1.2mm (0.0472 in)
Side edge	C-C	0mm	0mm



17. 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.
18. Let the adhesive dry for at least one hour, then spray water over the roof and check for leaks. If a leak occurs, let it dry, then seal with sealant :
 - A. Let the vehicle stand for at least four hours after windshield installation. If the vehicle must be driven within 4 hours, it must be driven slowly.
 - B. Keep the windshield dry for the first hour after installation.
19. 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).
20. Installation the following items
 - A. Wind deflector
 - B. Roof antenna
(Refer to the BE group - "Audio")
 - C. Roof trim
(Refer to the BD group - "Roof Trim")
 - D. Interior trim
(Refer to the BD group - "Interior Trim")
 - E. Rear seat
(Refer to the BD group - "Rear Seat")
 - F. Front seat
(Refer to the BD group - "Front Seat")

Adjustment

Inspect Glass Alignment

1. Check for abnormal noise or bending during operation.
2. With the sunroof fully closed, check for water leakage.

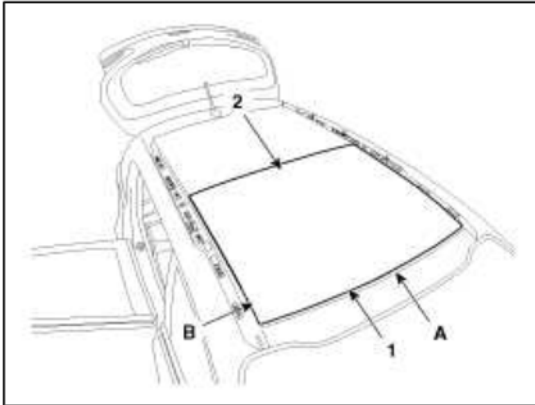
3. The roof panel (B) should be even with the movable glass (A) weatherstrip, to within the standard value "E" all the way around. If not, make the following adjustment.

Tightening torque :

Standard value "E" [mm(in.)]

(1) Front edge : 1.2mm (0.0472 in)

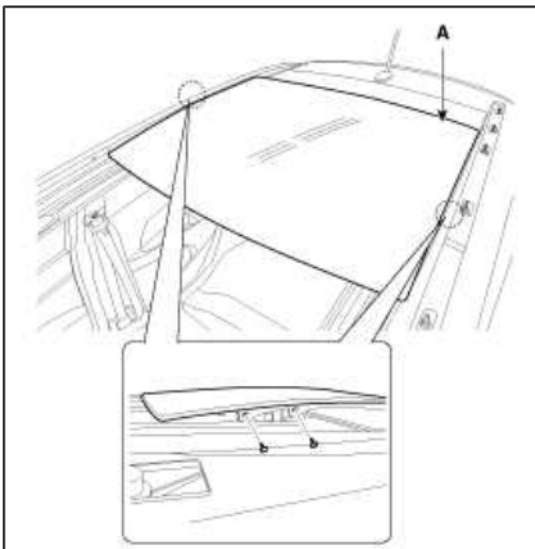
(2) Rear edge : 1.0mm (0.0394 in)



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

CAUTION

- Do not damage the screws.



How To Initialize Motor

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

1. Turn the ignition key to the ON position and then close the panoramaroof completely.
2. Release the panoramaroof control leveraging the switch.
3. Press and hold the CLOSE button for more than 10 seconds until the sunroof has moved slightly.
4. Release the panoramaroof control lever.
5. Press and hold the CLOSE button once again until the sunroof do as follows.

A. Tilt → Slide Open → Slide Close

Then, release the lever.

6. Reset procedure of panorama system is finished.

When To Initialize The Motor

1. At the time of manufacture.

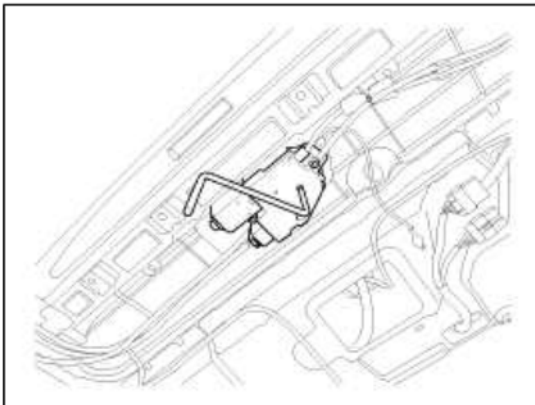
2. If the Initial setting is erased due to loss of power.
3. After using the manual handle.

Operating The Panoramaroof Emergency Handle

1. Use the panoramaroof emergency handle to close and open the panoramaroof manually for the following case only.
 - A. To close the panoramaroof before driving a vehicle in arainy day or on the highway if the panoramaroof can not be closed due to failure of the panoramaroof motor or controller.
2. Operating method.
 - A. Remove the roof trim
 - B. Push the emergency handle up into the hexagonal drive of the panoramaroof motor. You must push hard enough to disengage the motor clutch; otherwise the emergency handle will slip due to incomplete fit in the motor.
 - C. Carefully turn the emergency handle clockwise to close the panoramaroof.
 - 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 panoramaroof.
- Damaged to the components may occur.



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

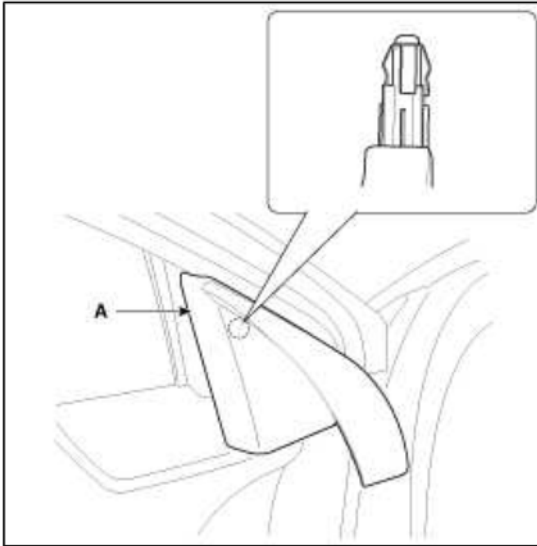
Replacement

Outside Rear View Mirror Assembly Replacement

CAUTION

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

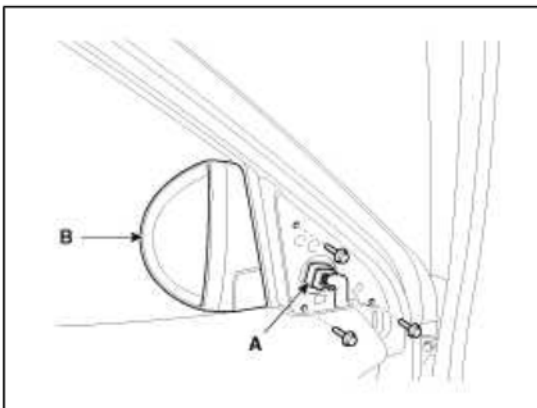
1. Remove the front door quadrant inner cover (A).



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

Tightening torque :

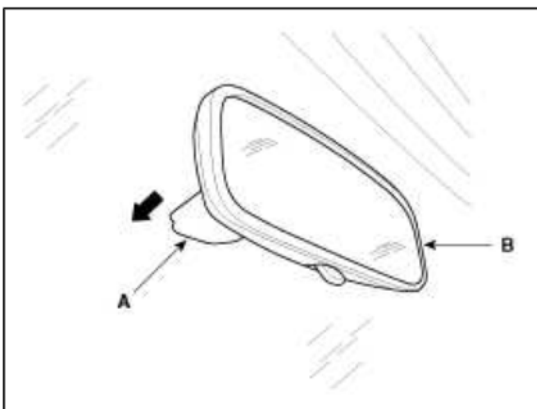
6.9 ~ 10.8 N.m (0.7 ~ 1.1 kgf.m, 5.1 ~ 8.0 lb-ft)



4. Installation is the reverse of removal.

Inside Rear view Mirror Replacement

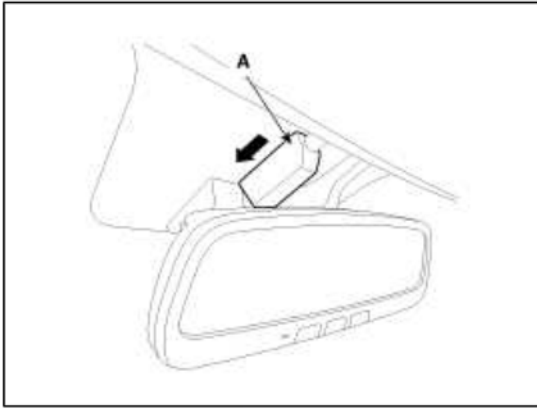
1. Push the inside rear view mirror base (A) down to remove to inside rear view mirror assembly (B).



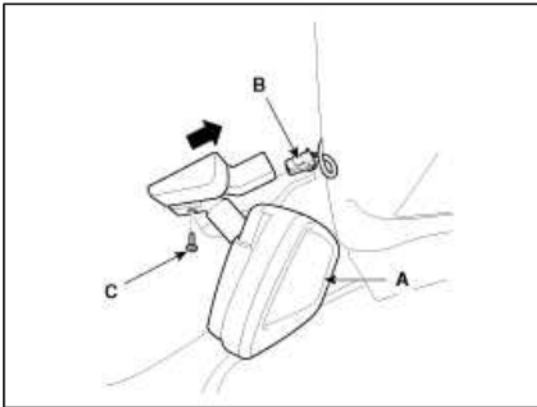
2. Installation is the reverse of removal.

ECM Mirror Replacement

1. Remove the ECM mirror cover (A).



2. Disconnect the ECM mirror connector (B).
3. Loosen the mounting screw (C), push the ECM mirror base up to remove the ECM mirror assembly (A).



4. Installation is the reverse of removal.

NOTE

- Make sure the connector are connected in properly.

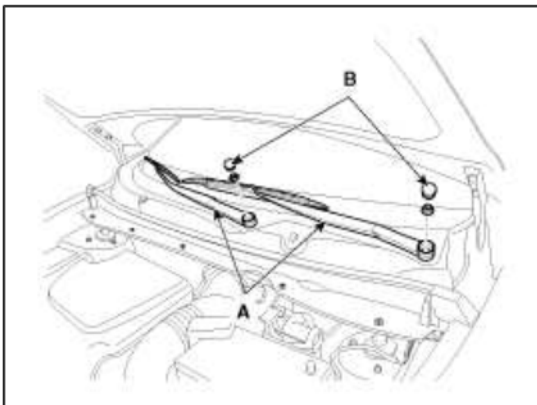
Body (Interior and Exterior) > Exterior > Cowl Top Cover > Repair procedures

Replacement

1. Remove the wiper arm cover (B).
2. After loosening the mounting nuts, then remove the wiper arm (A).

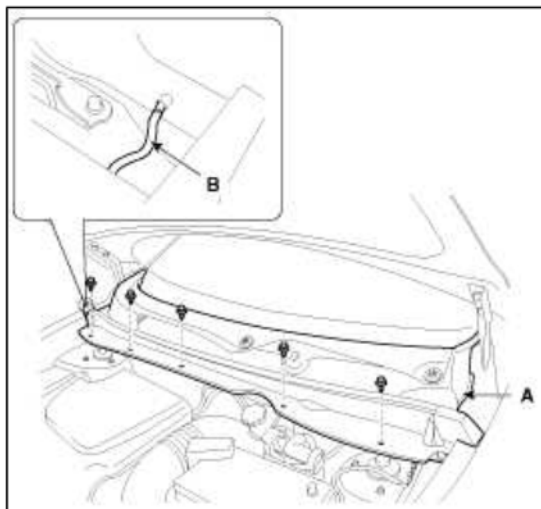
Tightening torque :

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



3. Remove the washer nozzle hose (B).

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



5. Installation is the reverse of removal.

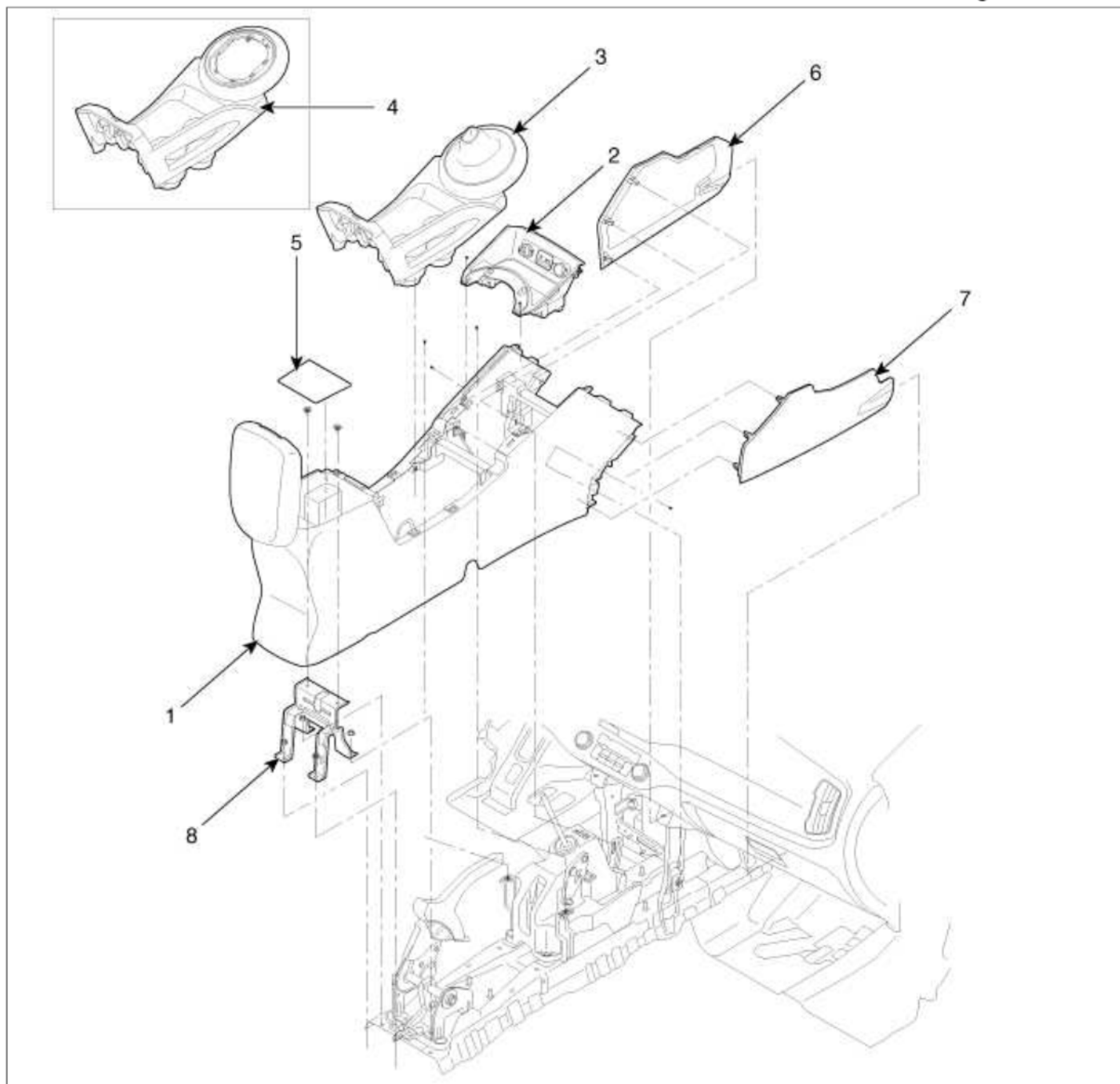
NOTE

- Replace any damage clips.

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

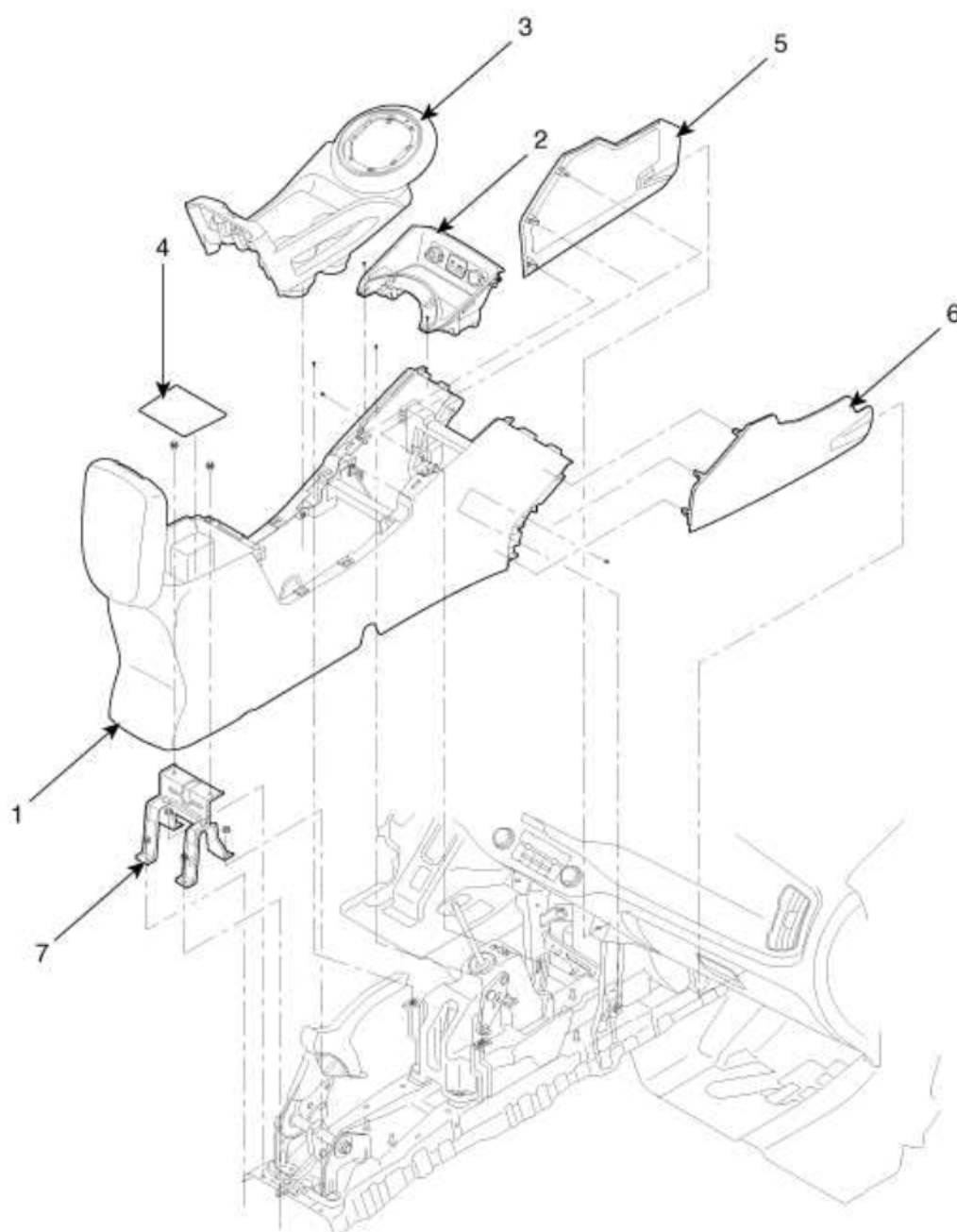
Components

[M/T]



- | | |
|--------------------------------------|----------------------------------|
| 1. Floor console assembly | 5. Console storage box mat |
| 2. Floor console tray | 6. Console side cover [LH] |
| 3. Console upper cover [5 speed M/T] | 7. Console side cover [RH] |
| 4. Console upper cover [6 speed M/T] | 8. Console rear mounting bracket |

[A/T]



- | | |
|------------------------------|----------------------------------|
| 1. Floor console assembly | 5. Console side cover [LH] |
| 2. Floor console tray | 6. Console side cover [RH] |
| 3. Console upper cover [A/T] | 7. Console rear mounting bracket |
| 4. Console storage box mat | |

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

Replacement

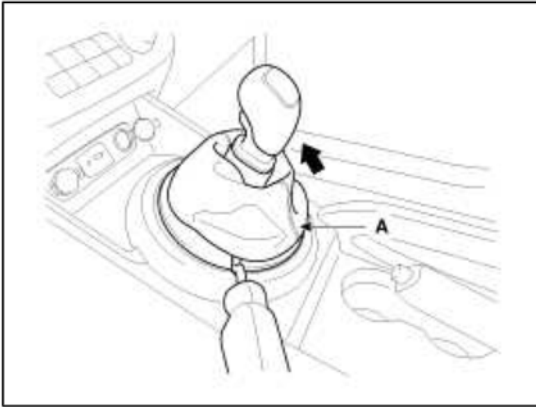
Floor Console Replacement

[M/T]

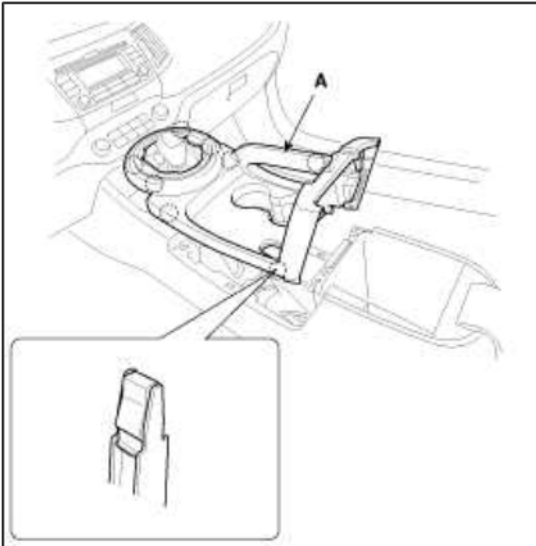
CAUTION

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

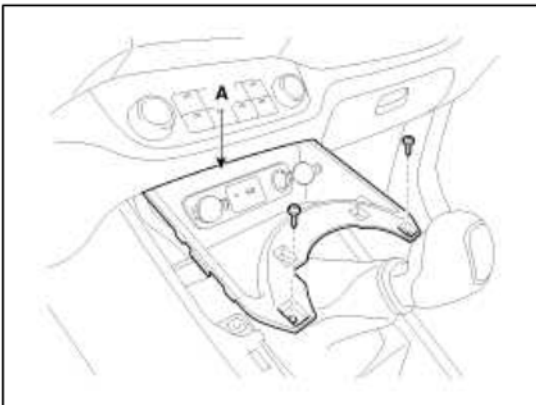
1. Using a screwdriver or remover, remove the gear boots (A).



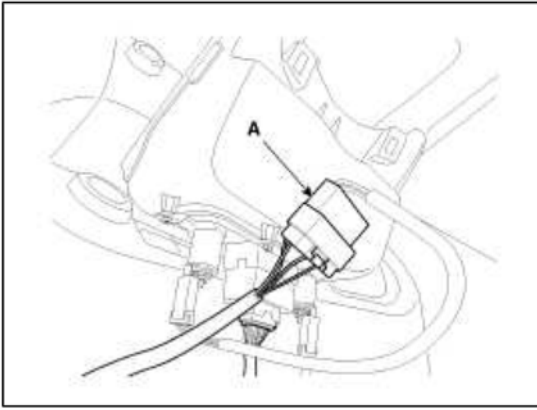
2. Using a screwdriver or remover, remove the console upper cover (A).



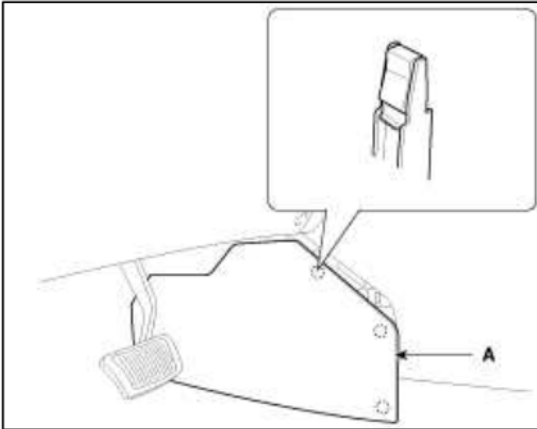
3. After loosening the mounting screws, then remove the floor console tray (A).



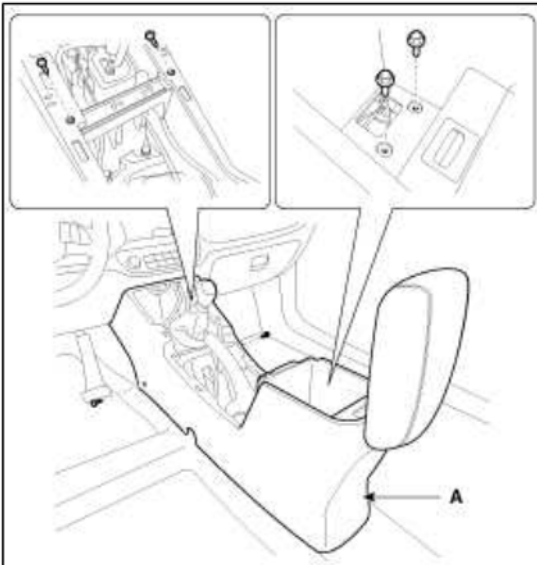
4. Disconnect the connector (A).



5. Remove the console side cover (A).



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



7. Installation is the reverse of removal.

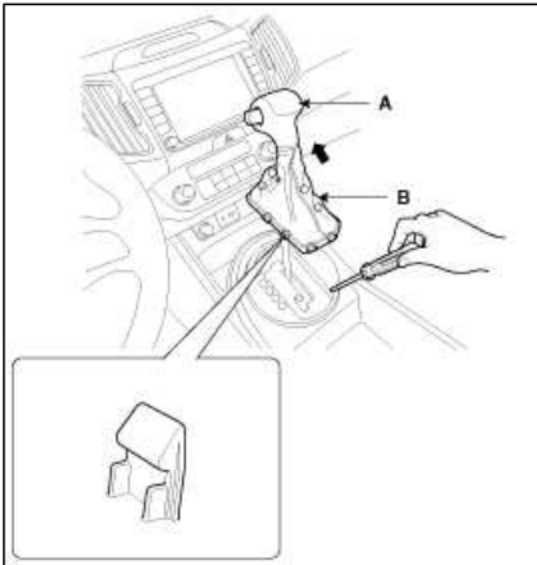
NOTE

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

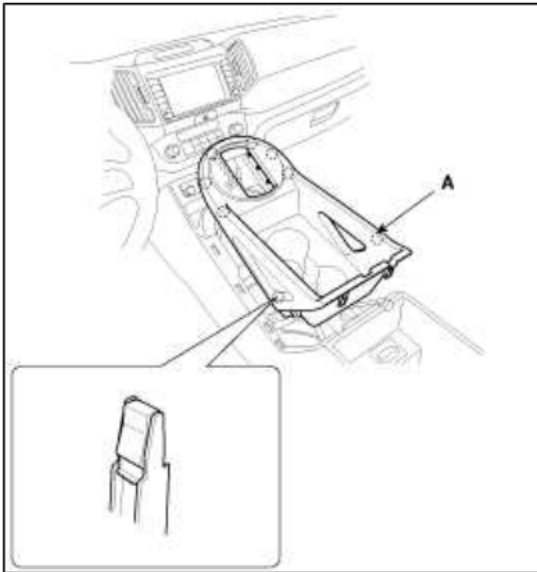
CAUTION

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

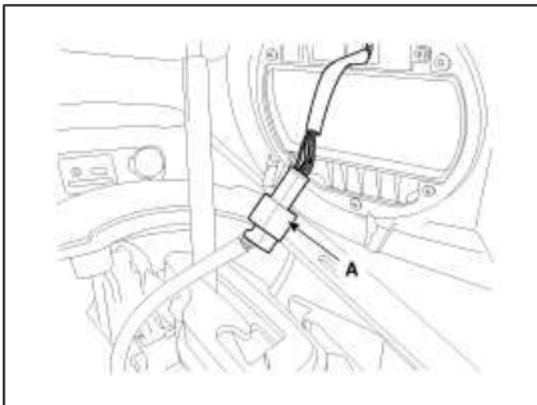
1. Using a screwdriver or remover, remove the gear boots (B) and gear knob (A).



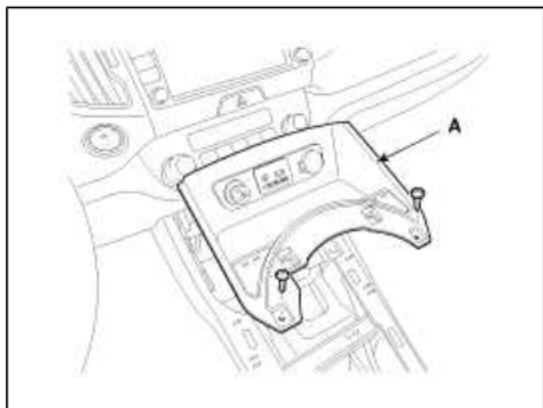
2. Using a screwdriver or remover, remove the console upper cover (A).



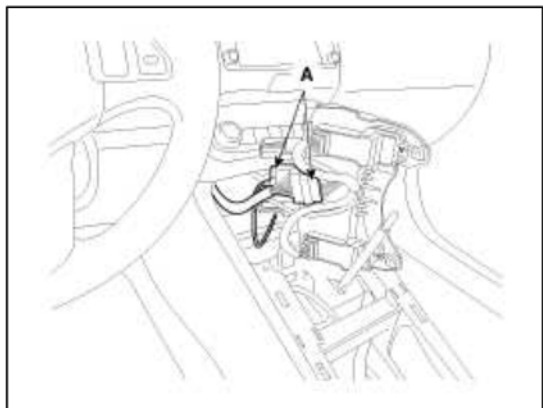
3. Disconnect the connector (A).



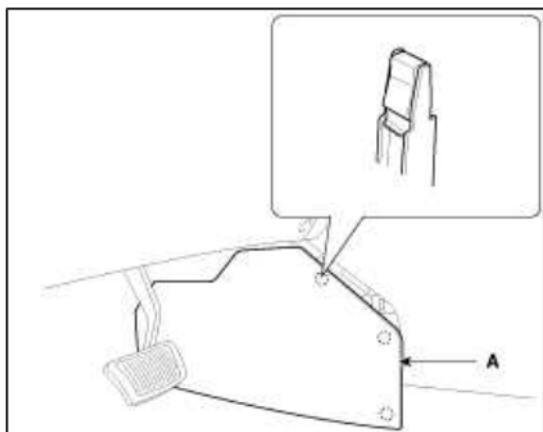
4. After loosening the mounting screws, then remove the floor console tray (A).



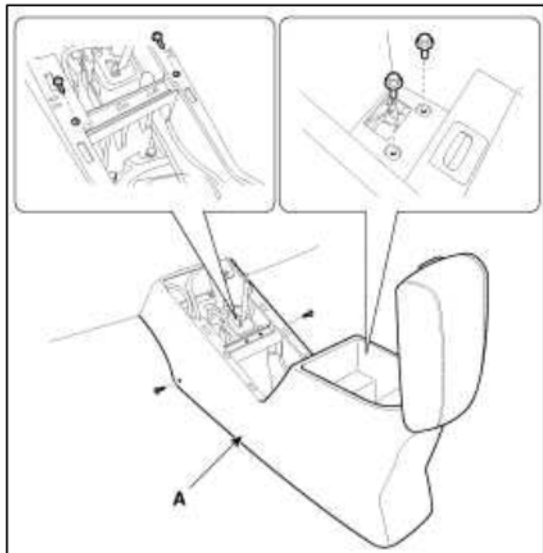
5. Disconnect the connector (A).



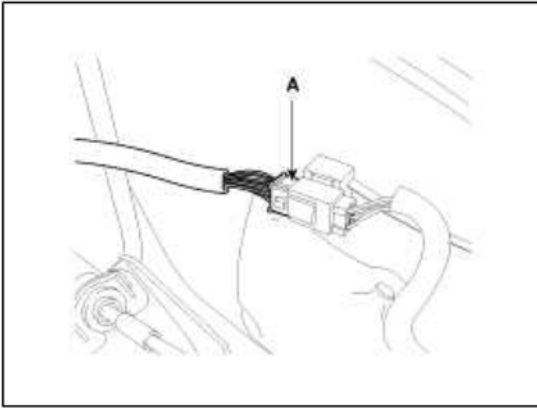
6. Remove the console side cover (A).



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



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



9. Installation is the reverse of removal.

NOTE

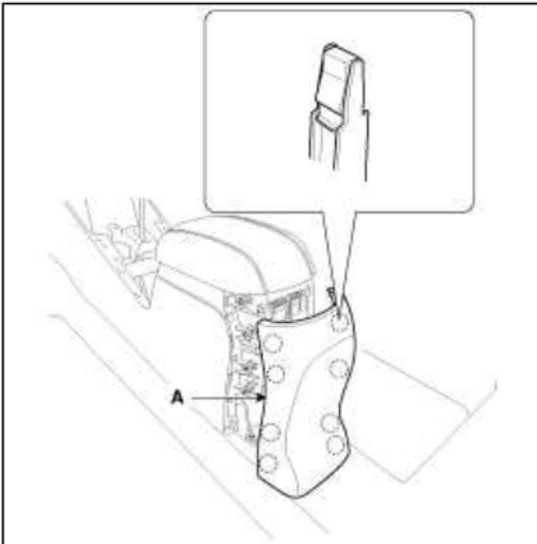
- Make sure the connector are connected in properly.
- Replace any damage clips.

Armrest Replacement

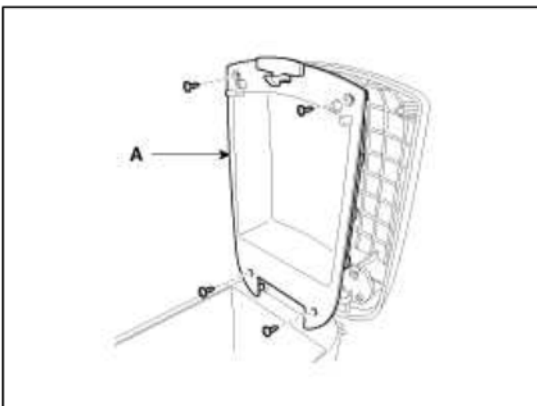
CAUTION

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

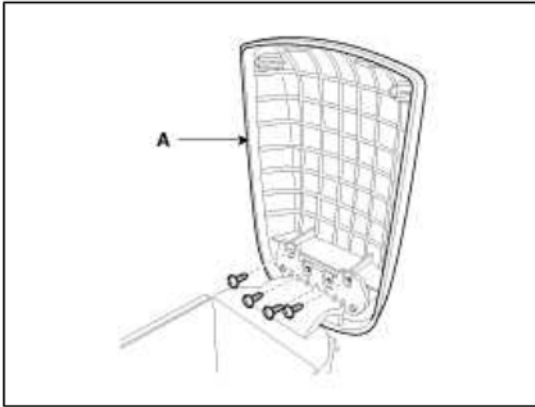
1. Using a screwdriver or remover, remove the rear console cover (A).



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



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



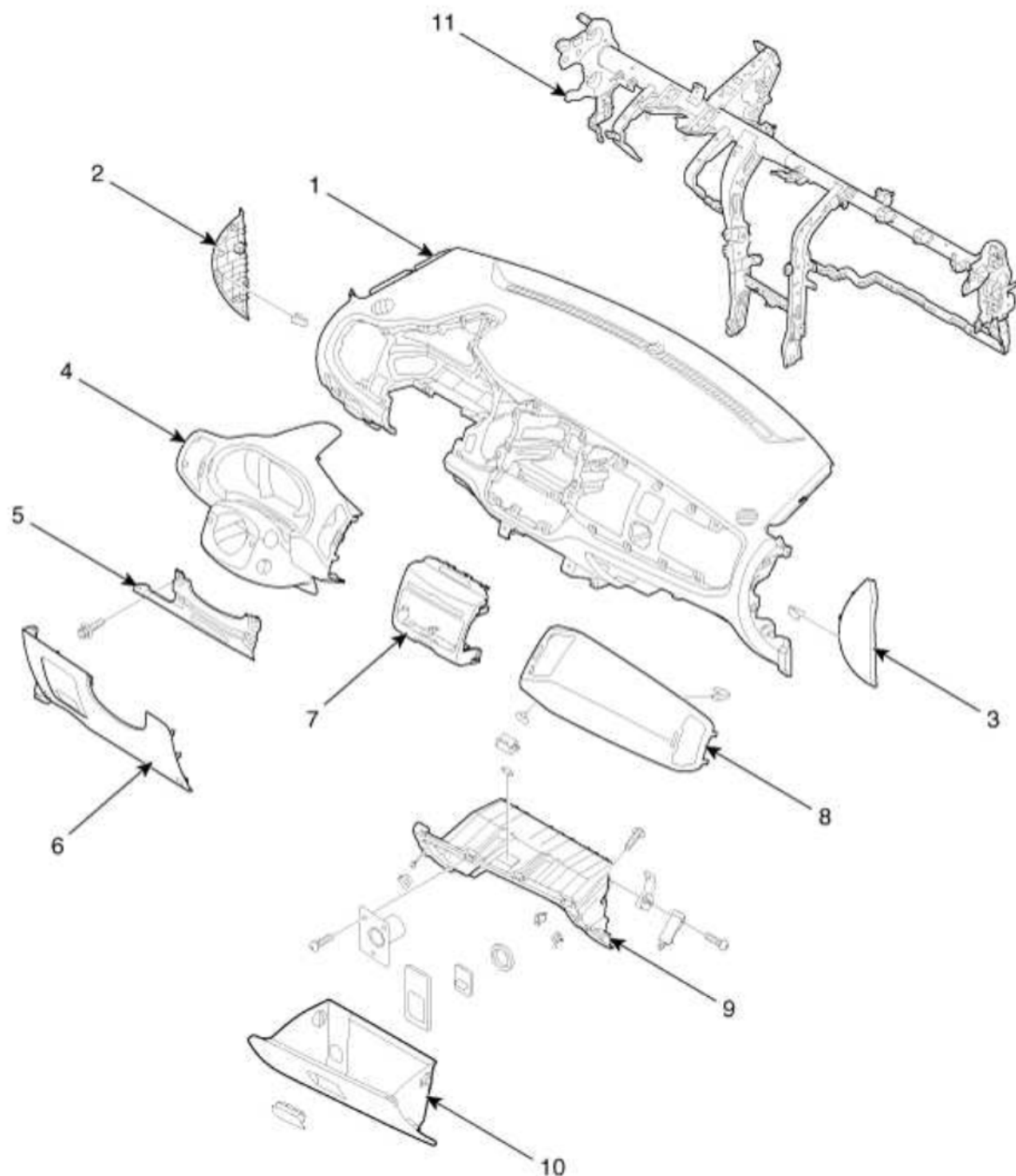
4. Installation is the reverse of removal.

NOTE

- Replace any damage clips.

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

Components



1. Main crash pad assembly	7. Center fascia panel
2. Crash pad side cover [LH]	8. Crash pad garnish
3. Crash pad side cover [RH]	9. Glove box housing
4. Cluster fascia panel	10. Glove box
5. Reinforcing panel	11. Cowl cross bar assembly
6. Crash pad lower panel	

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

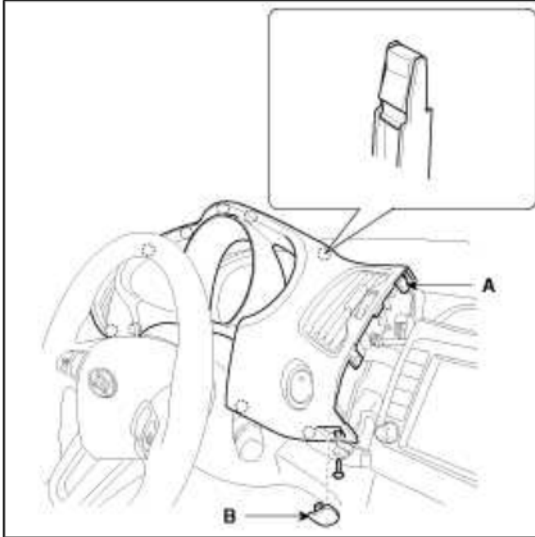
Replacement

Cluster Replacement

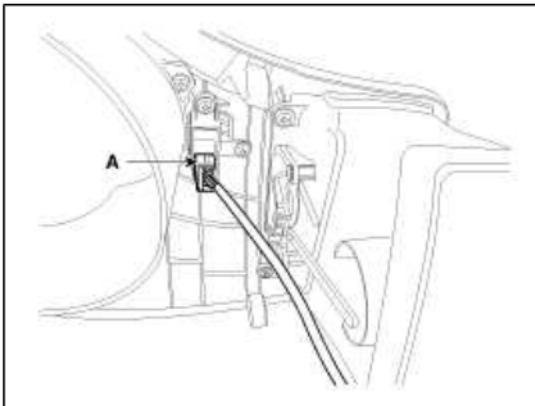
CAUTION

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

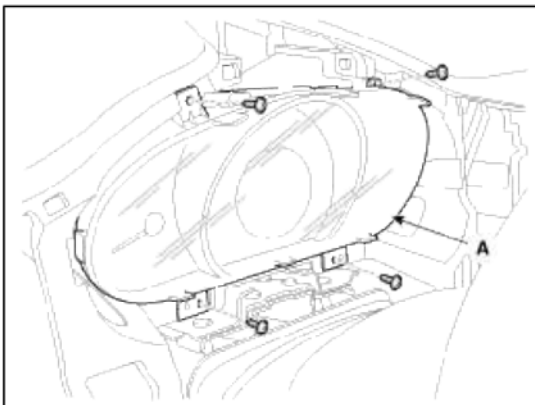
1. Remove the cluster fascia panel cap (B) and then loosening the mounting screw.
2. Using a screwdriver or remover, remove the cluster fascia panel (A).



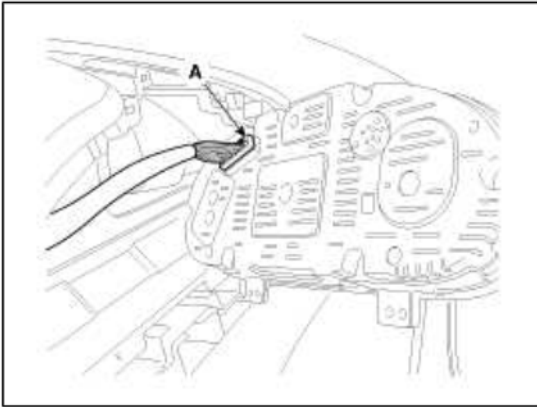
3. Disconnect the connector (A).



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



5. Disconnect the connector (A).



6. Installation is the reverse of removal.

NOTE

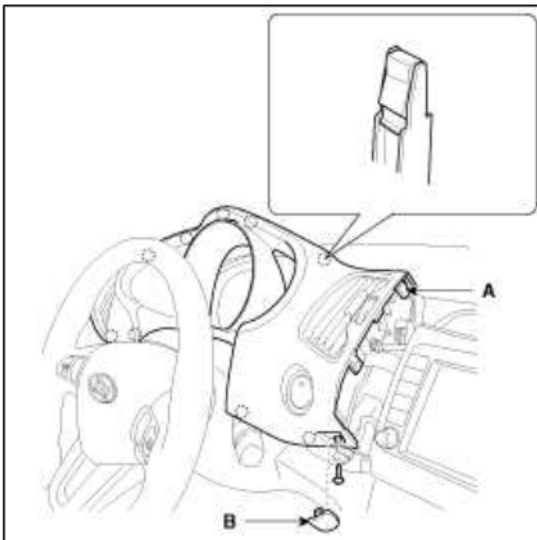
- Make sure the connector is plugged in properly.
- Replace any damage clips.

Center Facia Panel Replacement

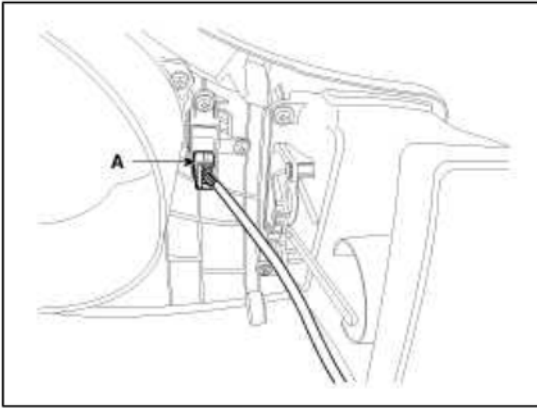
CAUTION

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

1. Remove the cluster fascia panel cap (B) and then loosening the mounting screw.
2. Using a screwdriver or remover, remove the cluster fascia panel (A).

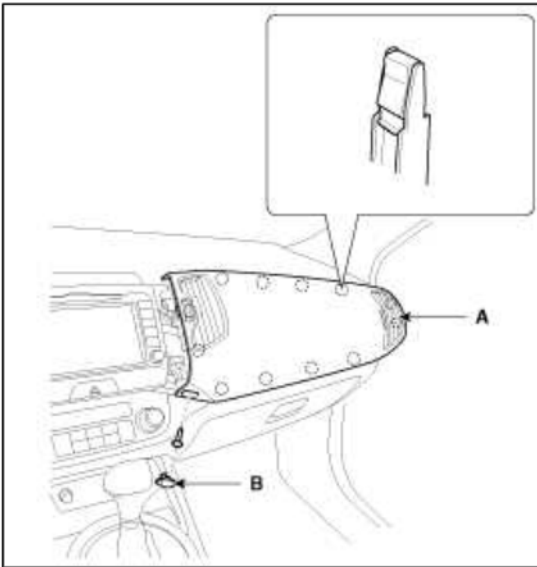


3. Disconnect the connector (A).

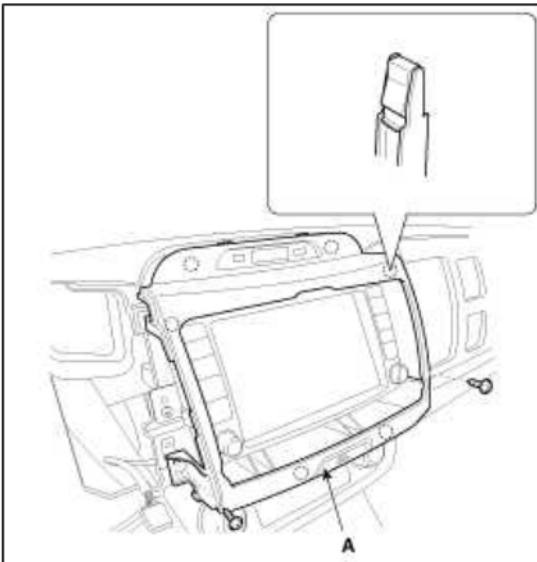


4. Remove the crash pad garnish cap (B) and then loosening the mounting screw.

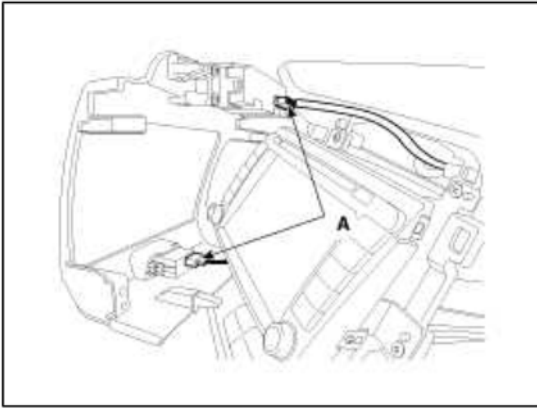
5. Using a screwdriver or remover, remove the crash pad garnish (A).



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



7. Disconnect the connectors (A).



8. Installation is the reverse of removal.

NOTE

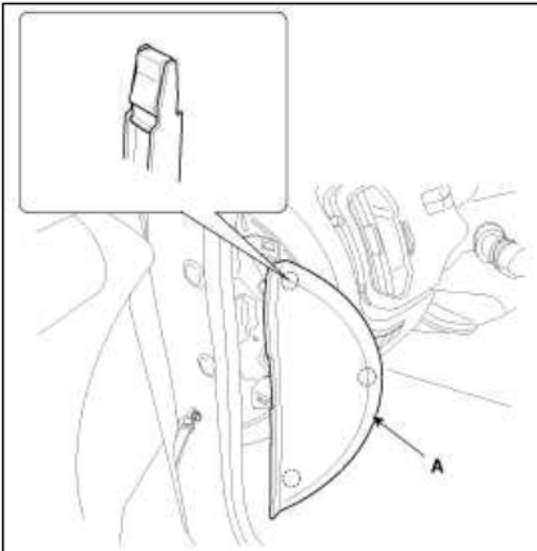
- Make sure the connector are connected in properly.
- Replace any damage clips.

Crash Pad Lower Panel Replacement

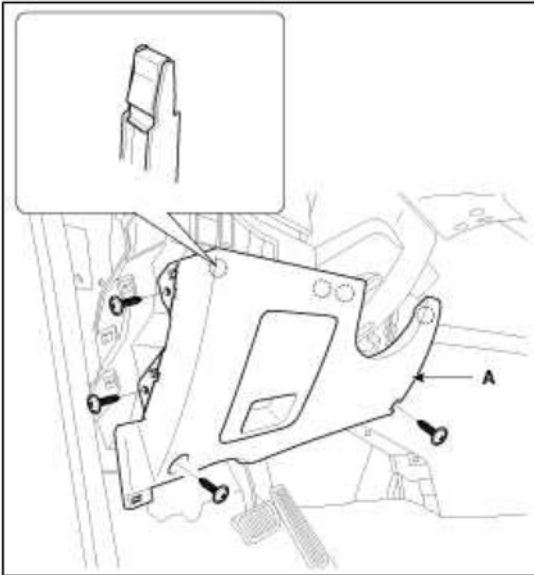
CAUTION

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

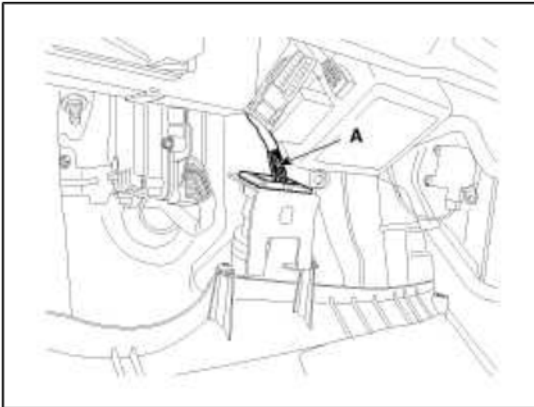
1. Using a screwdriver or remover, remove the crash pad side cover (A).



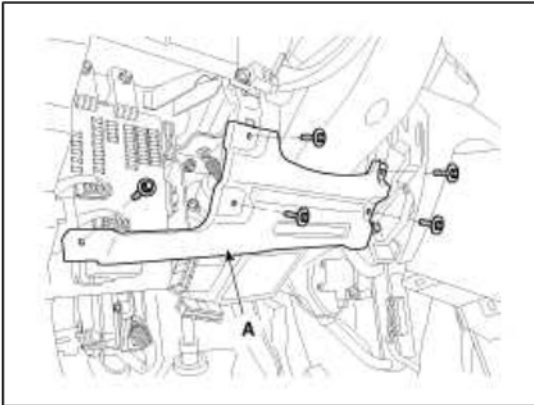
2. After loosening the mounting screws, then remove the crash pad lower panel (A).



3. Disconnect the diagnosis connector (A).



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



5. Installation is the reverse of removal.

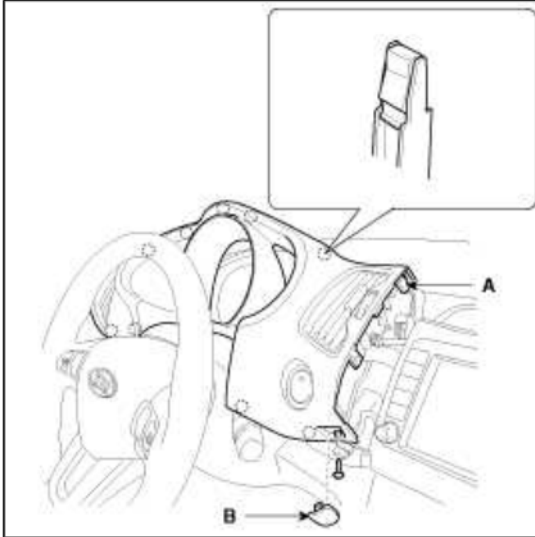
NOTE

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

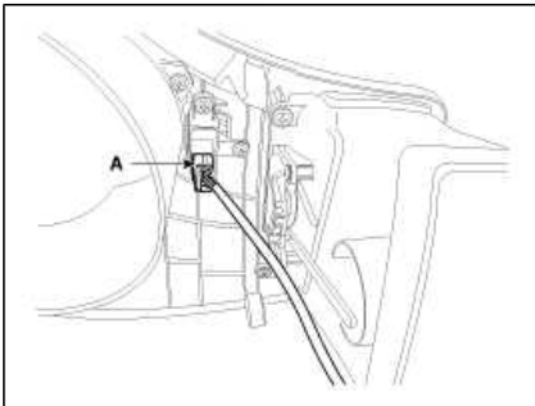
CAUTION

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

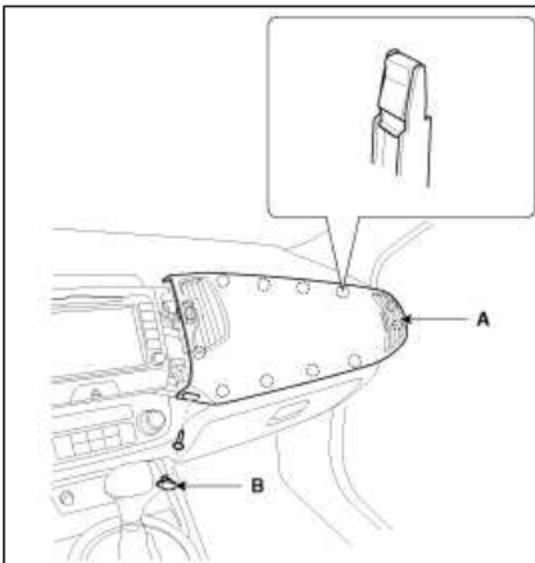
1. Remove the cluster fascia panel cap (B) and then loosening the mounting screw.
2. Using a screwdriver or remover, remove the cluster fascia panel (A).



3. Disconnect the connector (A).



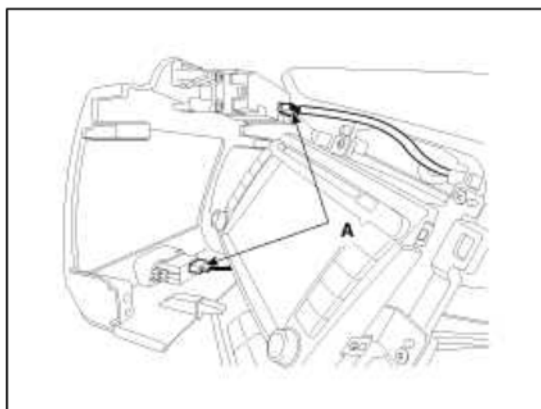
4. Remove the crash pad garnish cap (B) and then loosening the mounting screw.
5. Using a screwdriver or remover, remove the crash pad garnish (A).



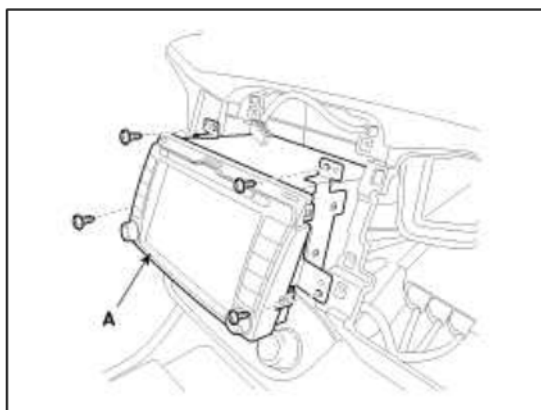
6. After loosening the mounting screws, then remove the center facia panel (A).



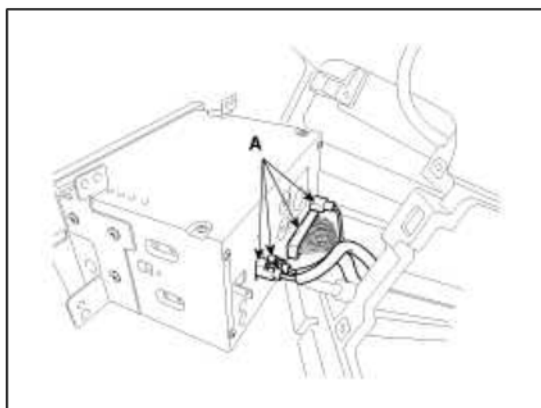
7. Disconnect the connectors (A).



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



9. Disconnect the connectors (A).



10. Installation is the reverse of removal.

NOTE

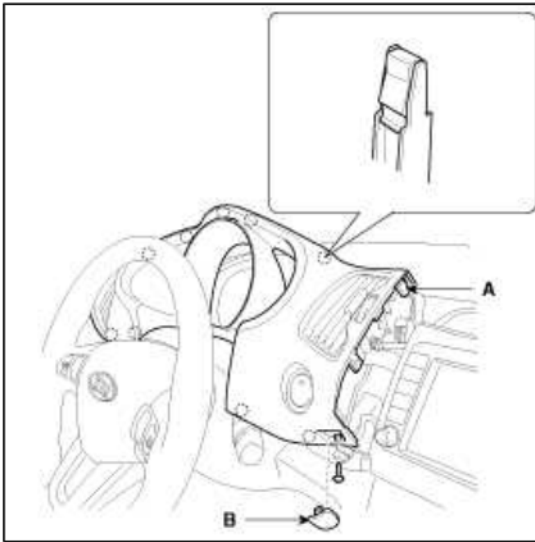
- Make sure the connector are connected in properly.
- Replace any damage clips.

Heater Control Unit Replacement

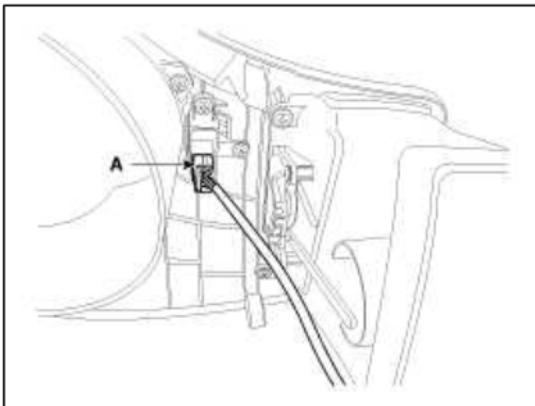
CAUTION

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

1. Remove the cluster fascia panel cap (B) and then loosening the mounting screw.
2. Using a screwdriver or remover, remove the cluster fascia panel (A).

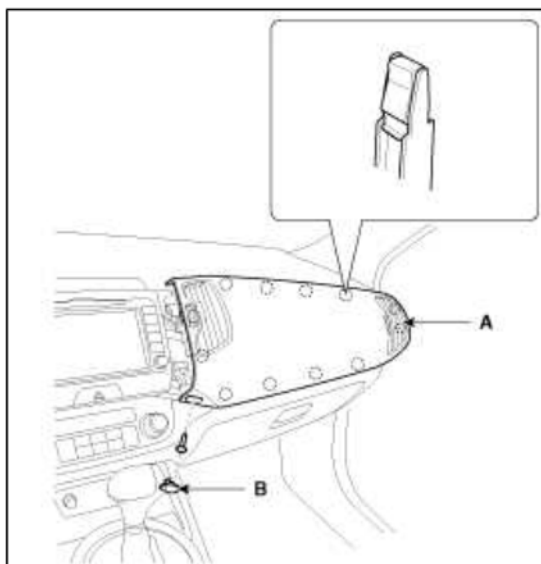


3. Disconnect the connector (A).



4. Remove the crash pad garnish cap (B) and then loosening the mounting screw.

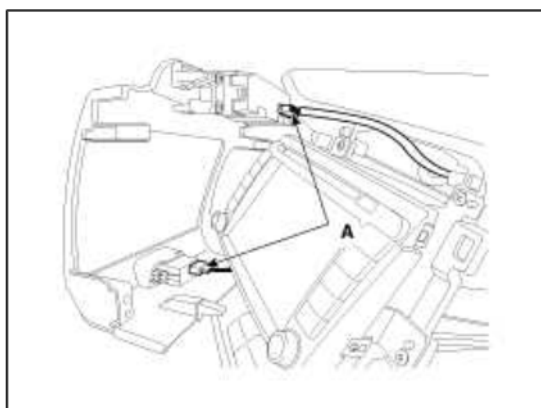
5. Using a screwdriver or remover, remove the crash pad garnish (A).



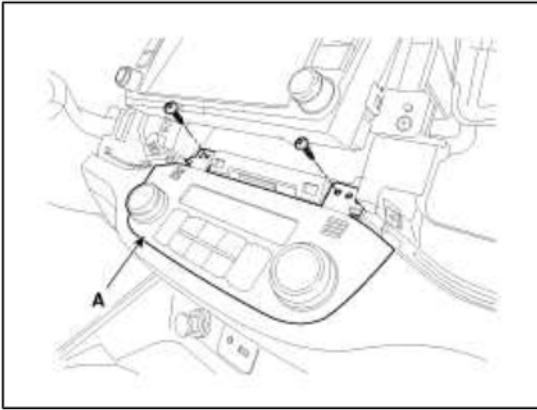
6. After loosening the mounting screws, then remove the center facia panel (A).



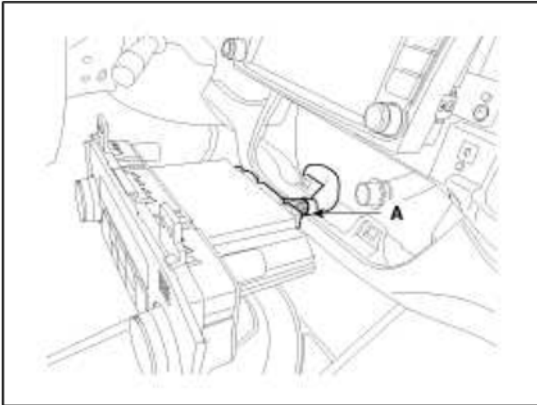
7. Disconnect the connectors (A).



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



9. Disconnect the connector (A).



10. Installation is the reverse of removal.

NOTE

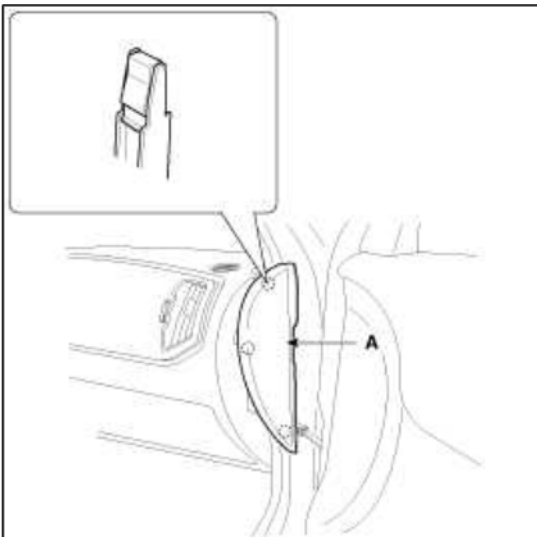
- Make sure the connector are connected in properly.
- Replace any damage clips.

Glove Box Replacement

CAUTION

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

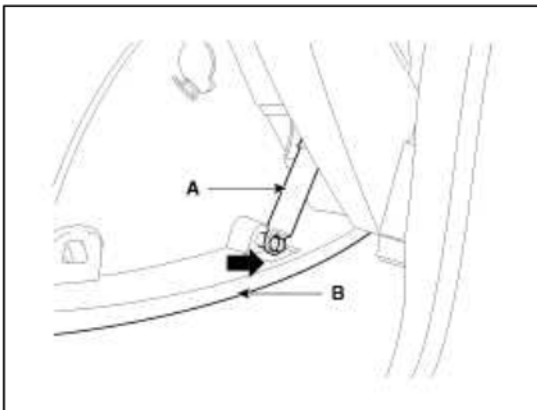
1. Using a screwdriver or remover, remove the crash pad side cover (A).



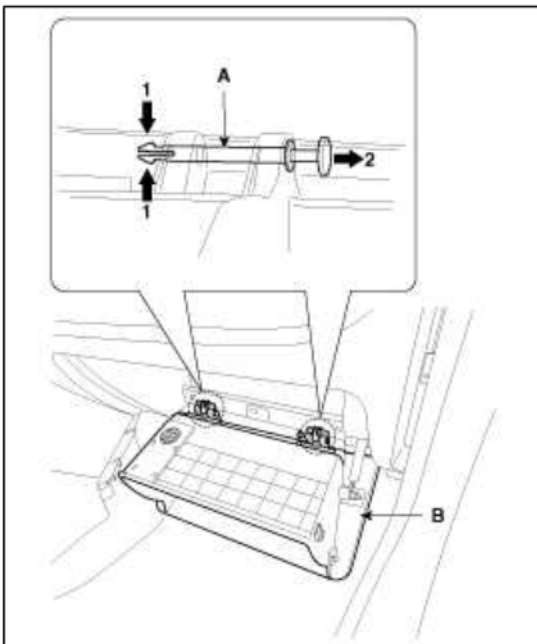
2. Disconnect the guide (B) from the glove box (A).



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



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



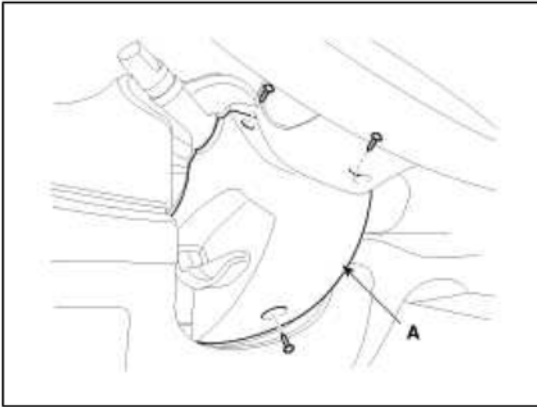
5. Installation is the reverse of removal.

NOTE

- Replace any damage clips.

Shroud Replacement

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



2. Installation is the reverse of removal.

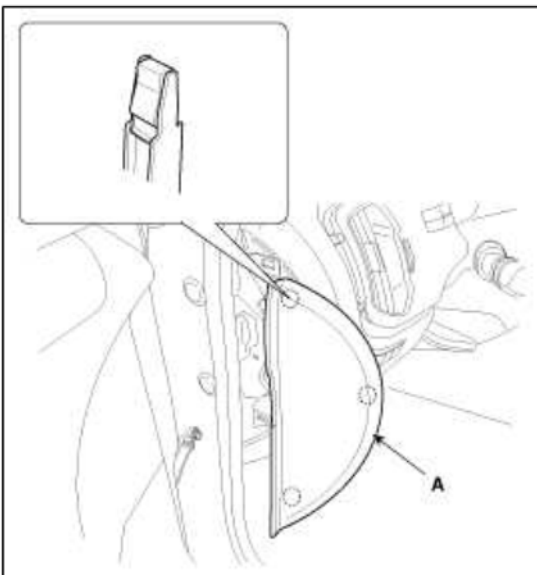
Crash Pad Side Cover Replacement

CAUTION

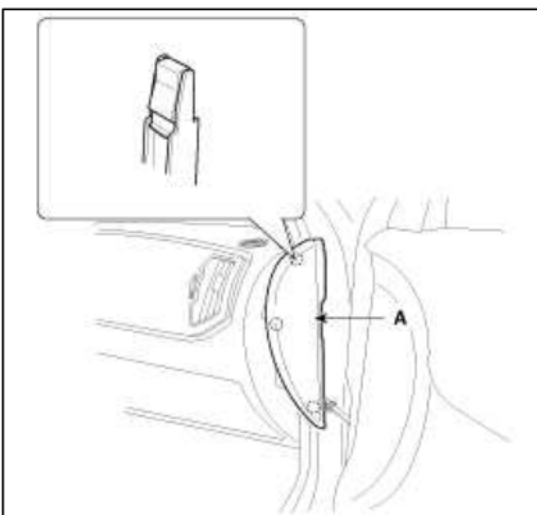
- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.
- Put on gloves to protect your hands.

1. Using a screwdriver or remover, remove the crash pad side cover (A).

[Driver's]



[Passenger's]



2. Installation is the reverse the removal.

Main Crash Pad Replacement

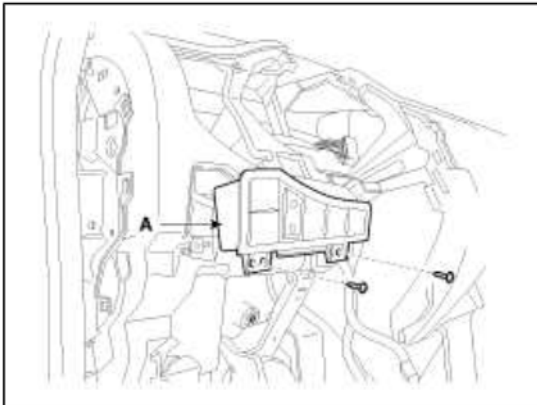
CAUTION

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

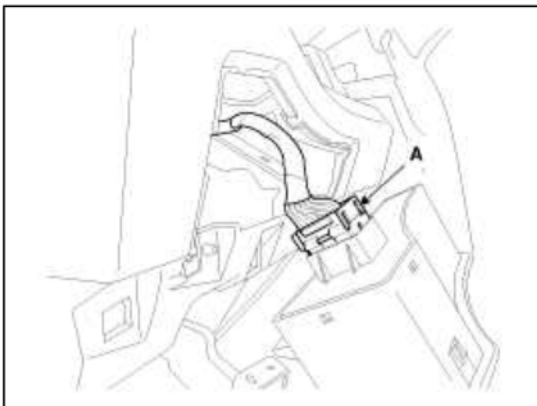
1. Remove the following items.

- A. Front seat
(Refer to the BD group – “Front Seat”)
- B. Front pillar trim
(Refer to the BD group – “Interior Trim”)
- C. Floor console assembly
(Refer to the BD group – “Console”)
- D. Cluster fascia panel & Cluster assembly
- E. Crash pad garnish
- F. Glove box
- G. Center fascia panel
- H. Audio assembly
- I. Heater control unit
- J. Crash pad side cover
- K. Cowl side trim
(Refer to the BD group- Interior Trim”)
- L. Crash pad lower panel
- M. Steering column
(Refer to the ST group - "Steering Column and Shaft")

2. After loosening the mounting screws, then remove the crash pad switch assembly (A).

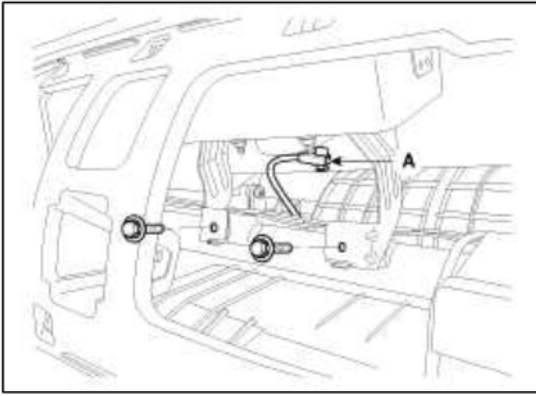


3. Disconnect the connector (A).



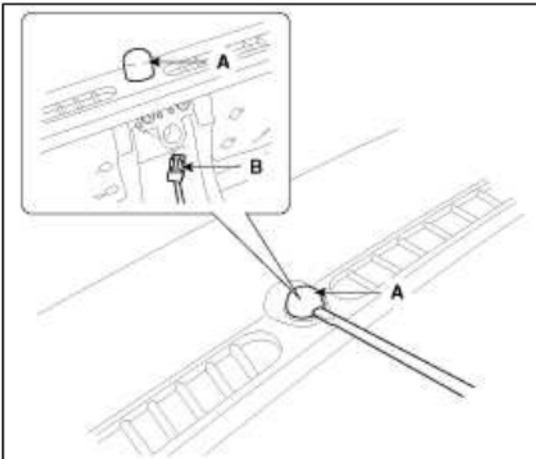
4. Disconnect the passenger's airbag connector (A).

5. Loosen the mounting bolts.

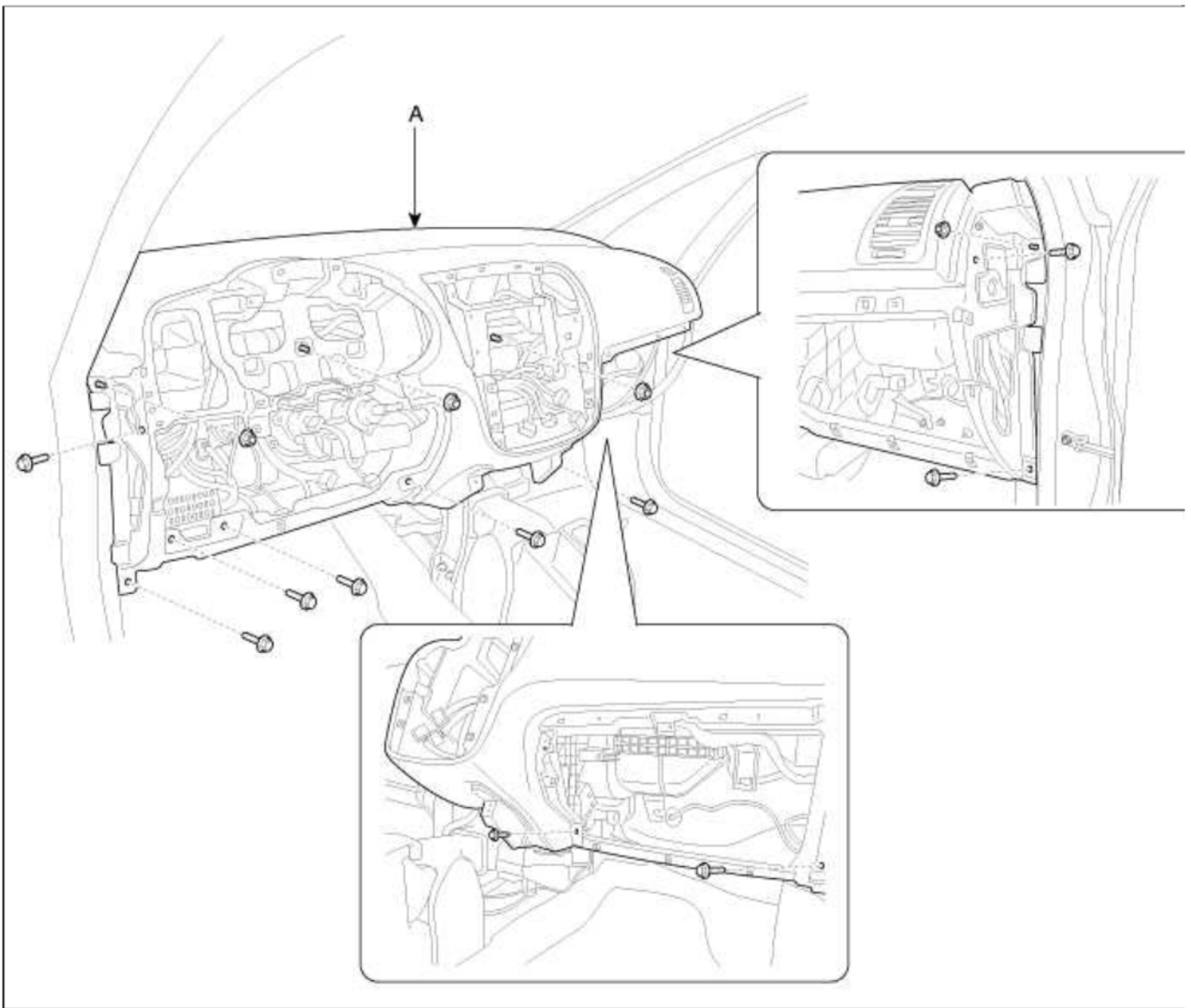


6. Using a screwdriver, remove the photo sensor (A).

7. Disconnect the photo sensor connector (B).



8. After loosening the mounting bolts and nuts, then remove the main crash pad assembly (A).



9. 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.

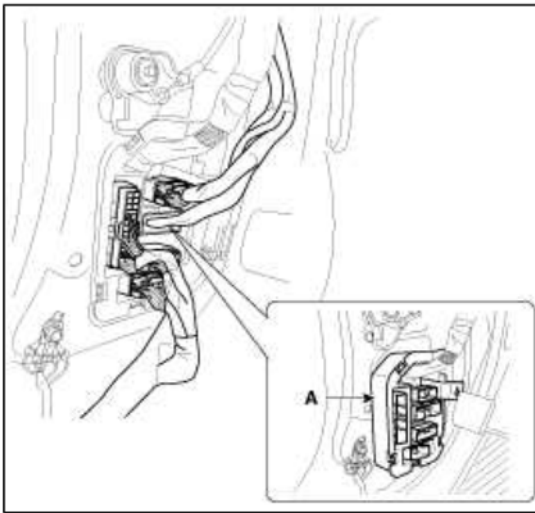
Cowl Cross Bar Replacement

CAUTION

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

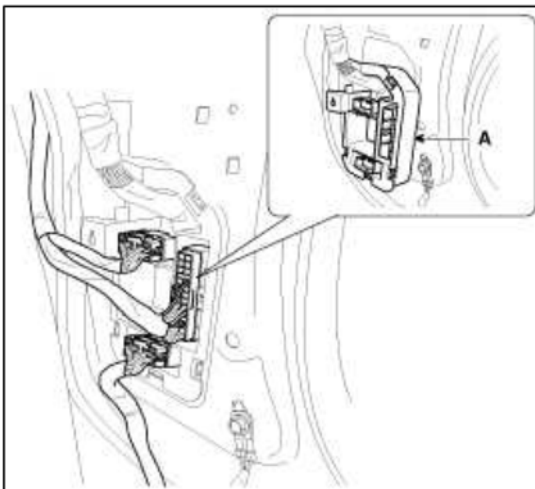
1. Remove the following items.
 - A. Front seat
(Refer to the BD group - "Front Seat")
 - B. Floor Console assembly
(Refer to the BD group - "Console")
 - C. Cowl top cover
(Refer to the BD group - "Cowl Top Cover")
 - D. Cowl side trim
(Refer to the BD group - "Interior Trim")
 - E. Main crash pad
2. Disconnect the blower unit connectors.
(Refer to the HA group - "Air conditioning system, Heater, Blower")
3. Disconnect the wiring connectors.
4. Using a screwdriver or remover, remove the multi box (A).

[Driver's]

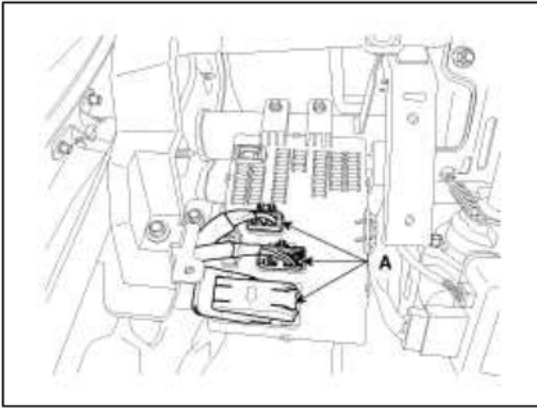


5. Disconnect the wiring connectors.
6. Using a screwdriver or remover, remove the multi box (A).

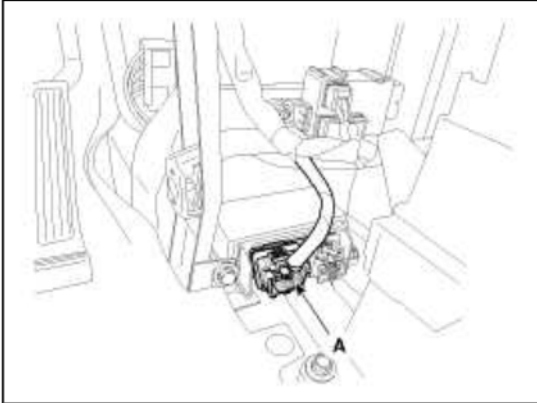
[Passenger's]



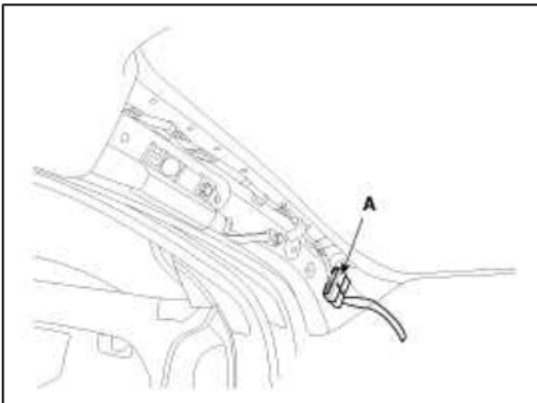
7. Disconnect the connectors (A).



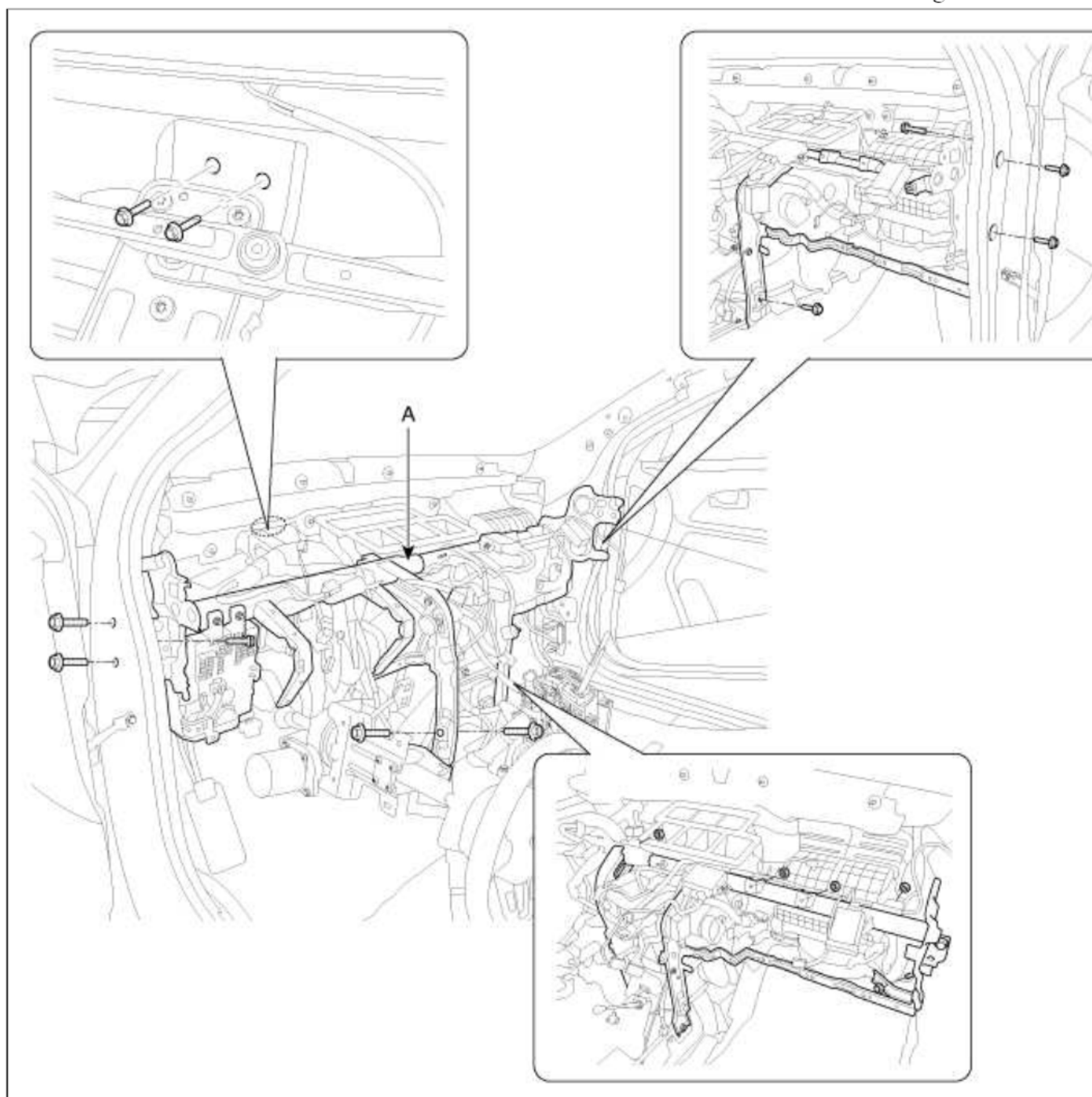
8. Disconnect the airbag control module (SRSCM) connector (A).



9. Disconnect the connector (A) and the mounting clips in the driver's front pillar.



10. After loosening the mounting bolts and nuts, then remove the cowl cross bar (A).



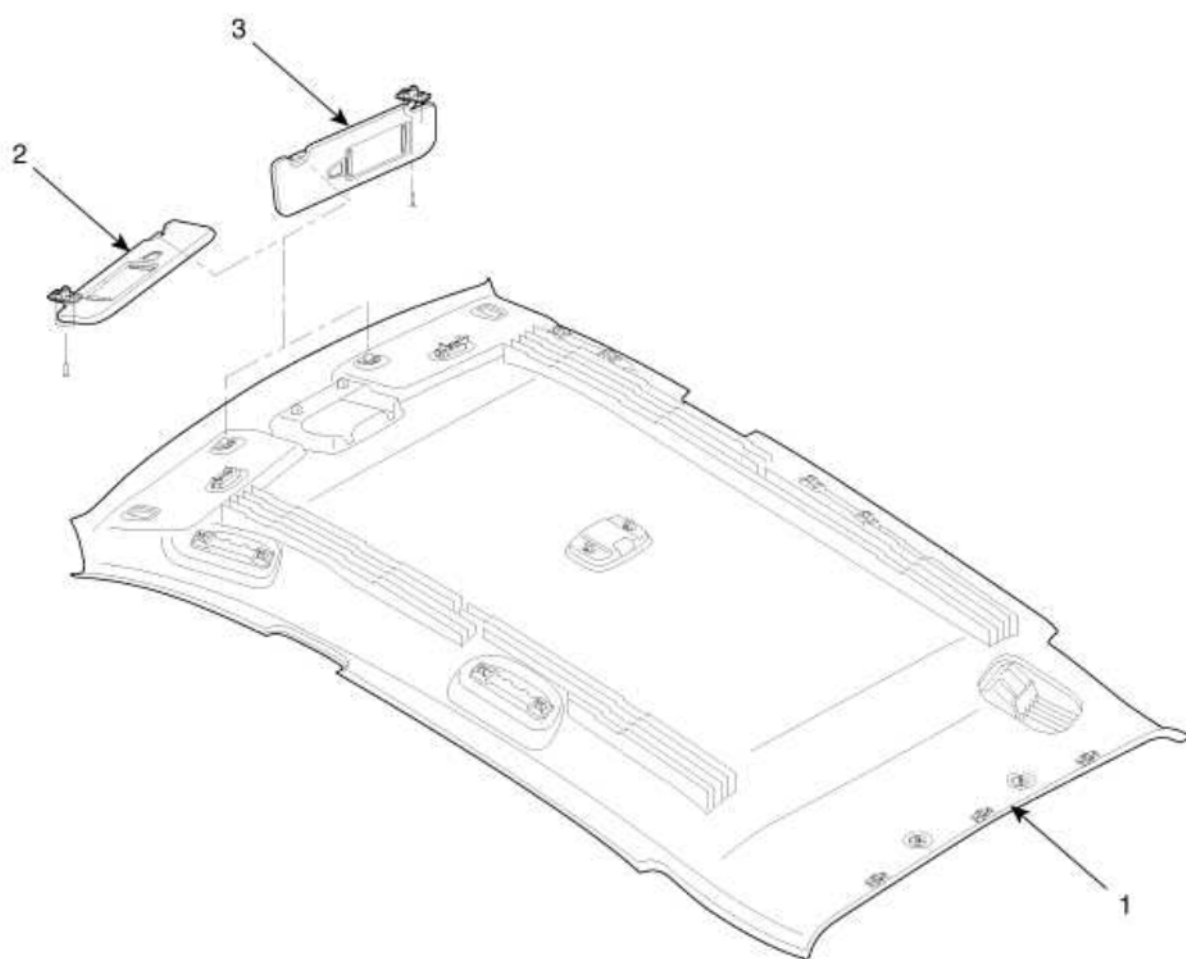
11. Installation is the reverse of removal.

NOTE

- Replace any damage clips.
- Make sure the connectors are plugged in properly.

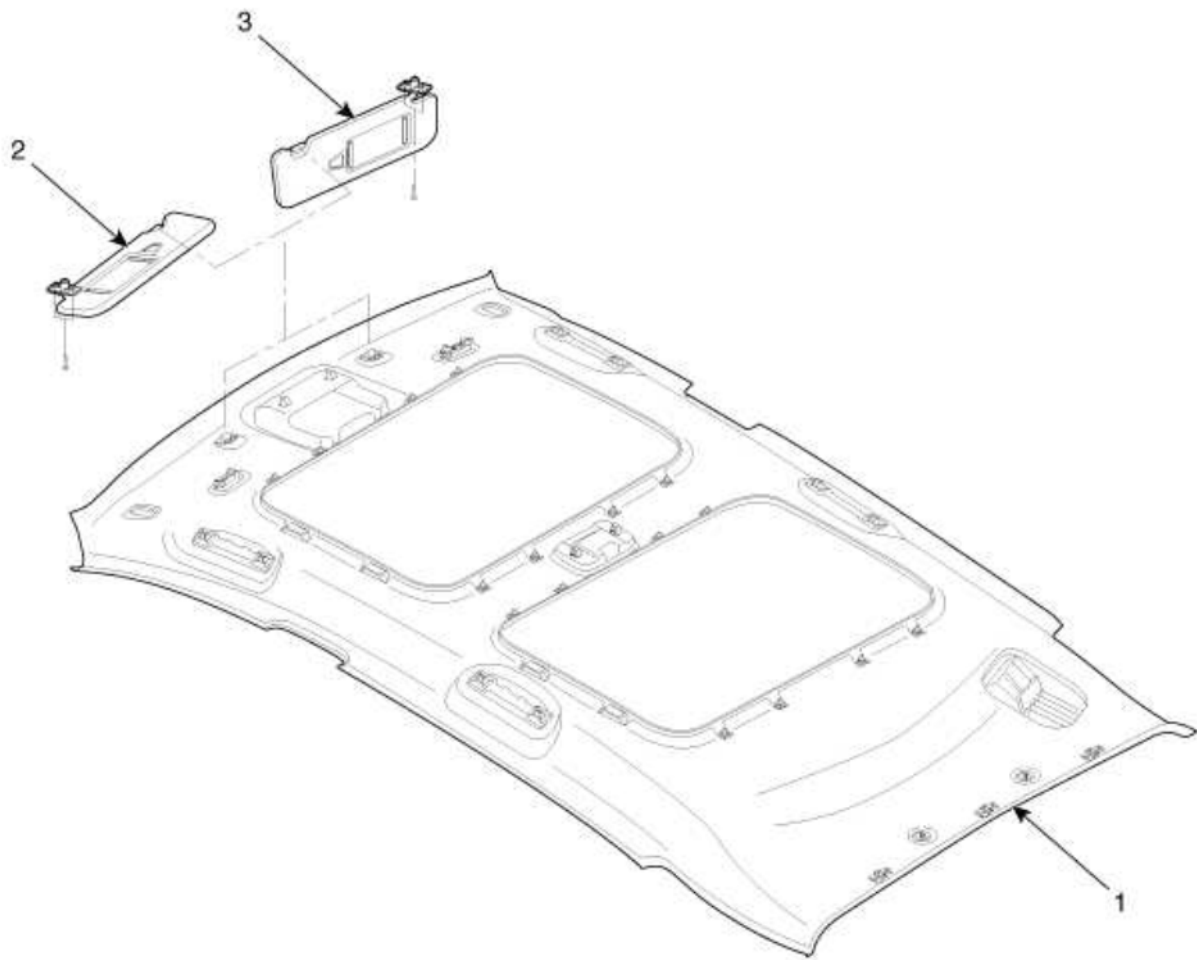
Body (Interior and Exterior) > Interior > Roof Trim > Components and Components Location

Components



1. Roof trim	3. Sunvisor
2. Sunvisor [Driver's]	[Passenger's]

Components [Panoramaroof]



- | | |
|------------------------|---------------|
| 1. Roof trim | 3. Sunvisor |
| 2. Sunvisor [Driver's] | [Passenger's] |

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

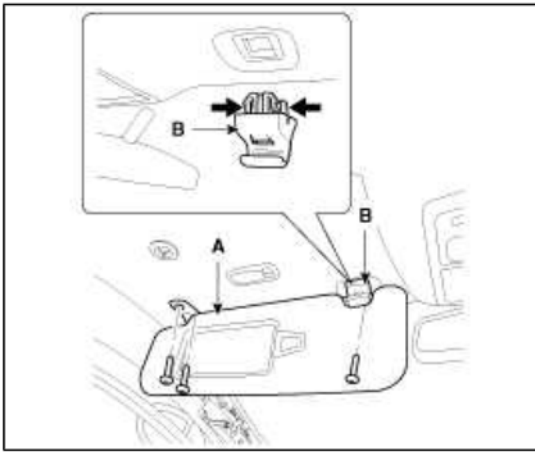
Replacement

Sunvisor Replacement

CAUTION

- Use a plastic panel removal tool to remove interior trim pieces to without marring the surface.
- Put on gloves to protect your hands.

1. After loosening the mounting screws, then remove the survivor (A) and retainer (B).



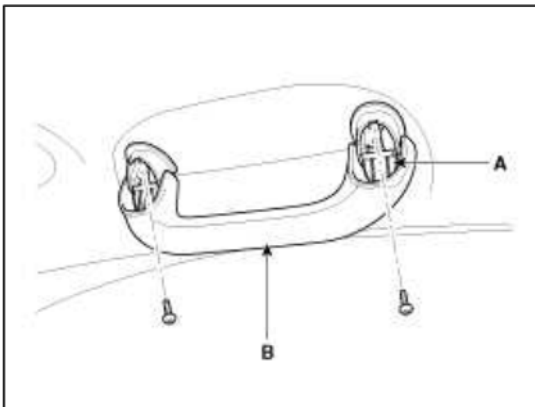
2. Installation is the reverse of removal.

Assist Handle Replacement

CAUTION

- Use a plastic panel removal tool to remove interior trip pieces to without marring the surface.
- Put on gloves to protect your hands.

1. Remove the covers (A).
2. After loosening the mounting screws, then remove the assist handle (B).



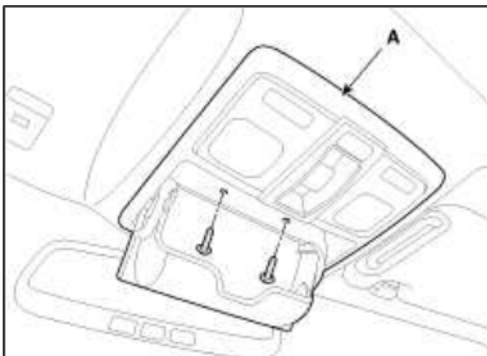
3. Installation is the reverse of removal.

Overhead Console Replacement

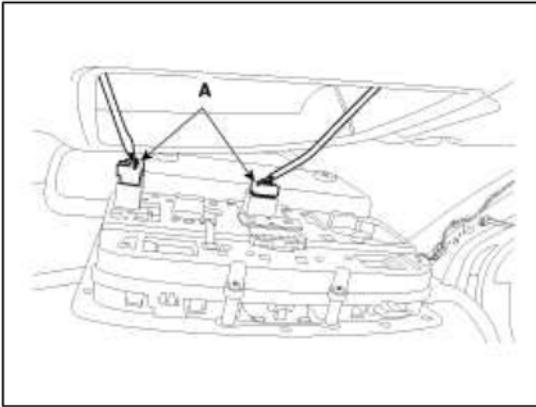
CAUTION

- Use a plastic panel removal tool to remove interior trip pieces to without marring the surface.
- Put on gloves to protect your hands.

1. After loosening the mounting screws, then remove the overhead console assembly (A).



2. Disconnect the connectors (A).



3. Installation is the reverse of removal.

NOTE

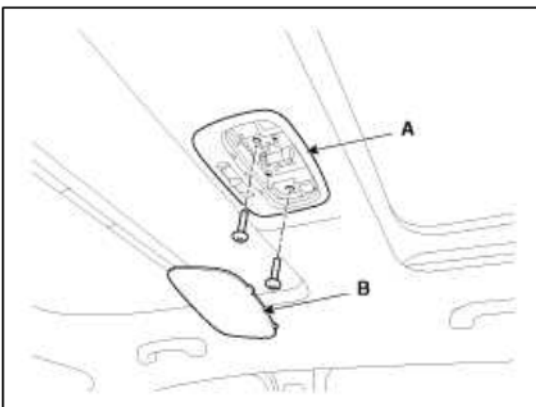
- Make sure the connector is connected properly.

Room Lamp Replacement

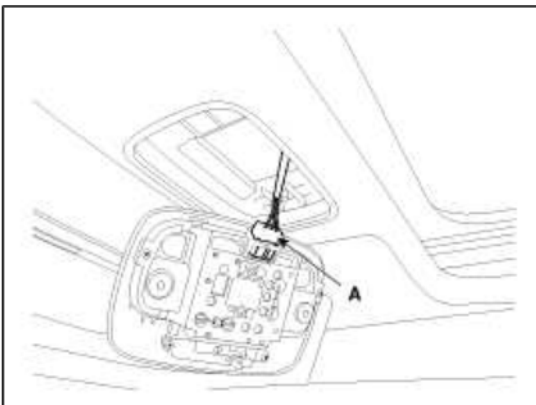
CAUTION

- Use a plastic panel removal tool to remove interior trim pieces to without marring the surface.
- Put on gloves to protect your hands.

1. Using a screwdriver or remover, remove the room lamp cover (B).
2. After loosening the mounting screws, then remove the room lamp (A).



3. Disconnect the connector (A).



4. Installation is the reverse of removal.

NOTE

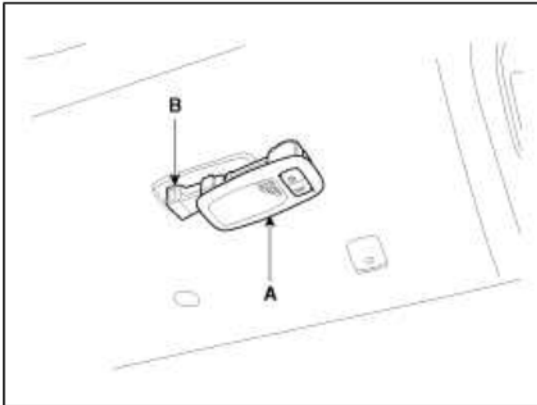
- Make sure the connectors are plugged in properly.

Vanity Lamp Replacement

CAUTION

- Use a plastic panel removal tool to remove interior trim pieces to without marring the surface.
- Put on gloves to protect your hands.

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



3. Installation is the reverse of removal.

NOTE

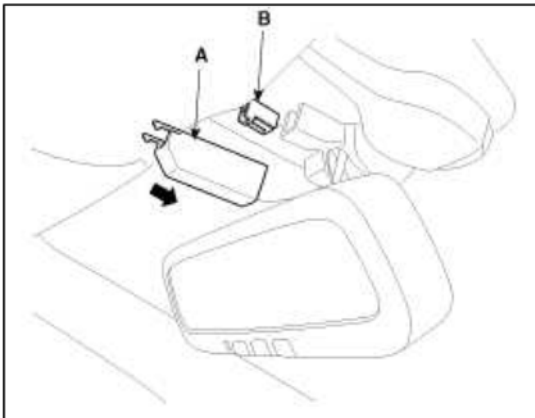
- Make sure the connector is connected properly.

Roof Trim Replacement

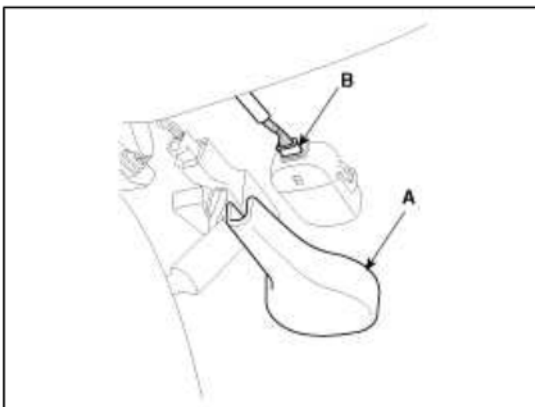
CAUTION

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

1. Remove the following items.
 - A. Front seat
(Refer to the BD group - "Front Seat")
 - B. Rear seat
(Refer to the BD group - "Rear Seat")
 - C. Sunvisor
 - D. Overhead console
 - E. Room lamp
 - F. Assist handle
 - G. Front pillar trim
(Refer to the BD group - "Interior Trim")
 - H. Front door scuff trim & Rear door scuff trim
(Refer to the BD group - "Interior Trim")
 - I. Center pillar lower trim & Center pillar upper trim
(Refer to the BD group - "Interior Trim")
 - J. Rear pillar trim
(Refer to the BD group - "Interior Trim")
2. Remove the ECM mirror cover (A).
3. Disconnect the ECM mirror connector (B).

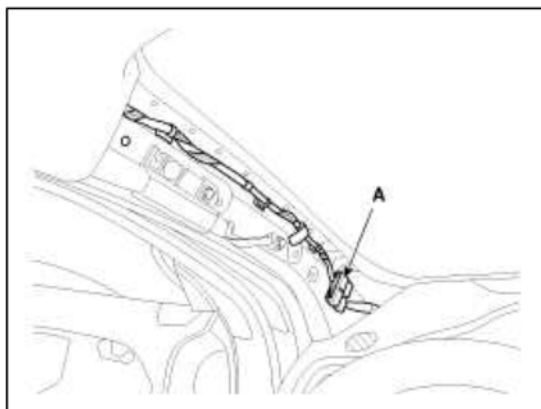


4. Remove the rain sensor cover (A).
5. Disconnect the rain sensor connector (B).

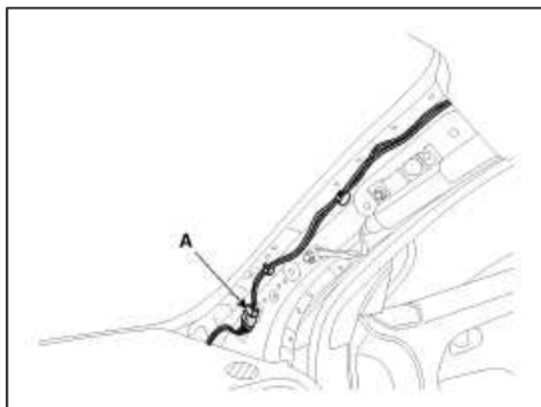


6. Disconnect the roof trim main connector (A).

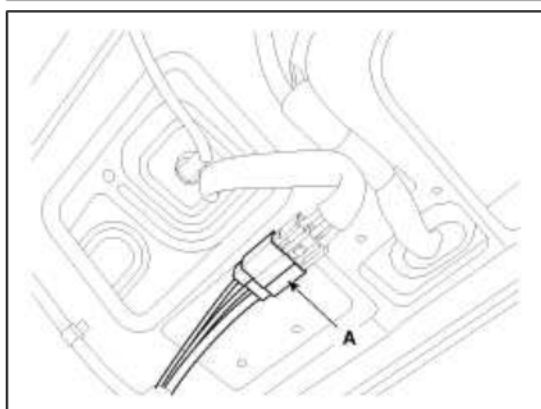
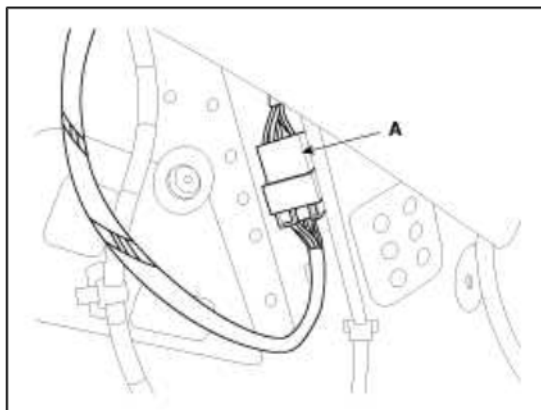
[Driver's]



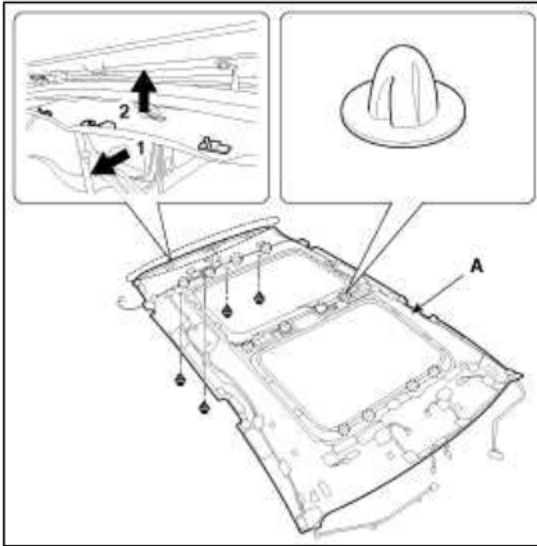
[Passenger's]



7. Disconnect the antenna connector (A).



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



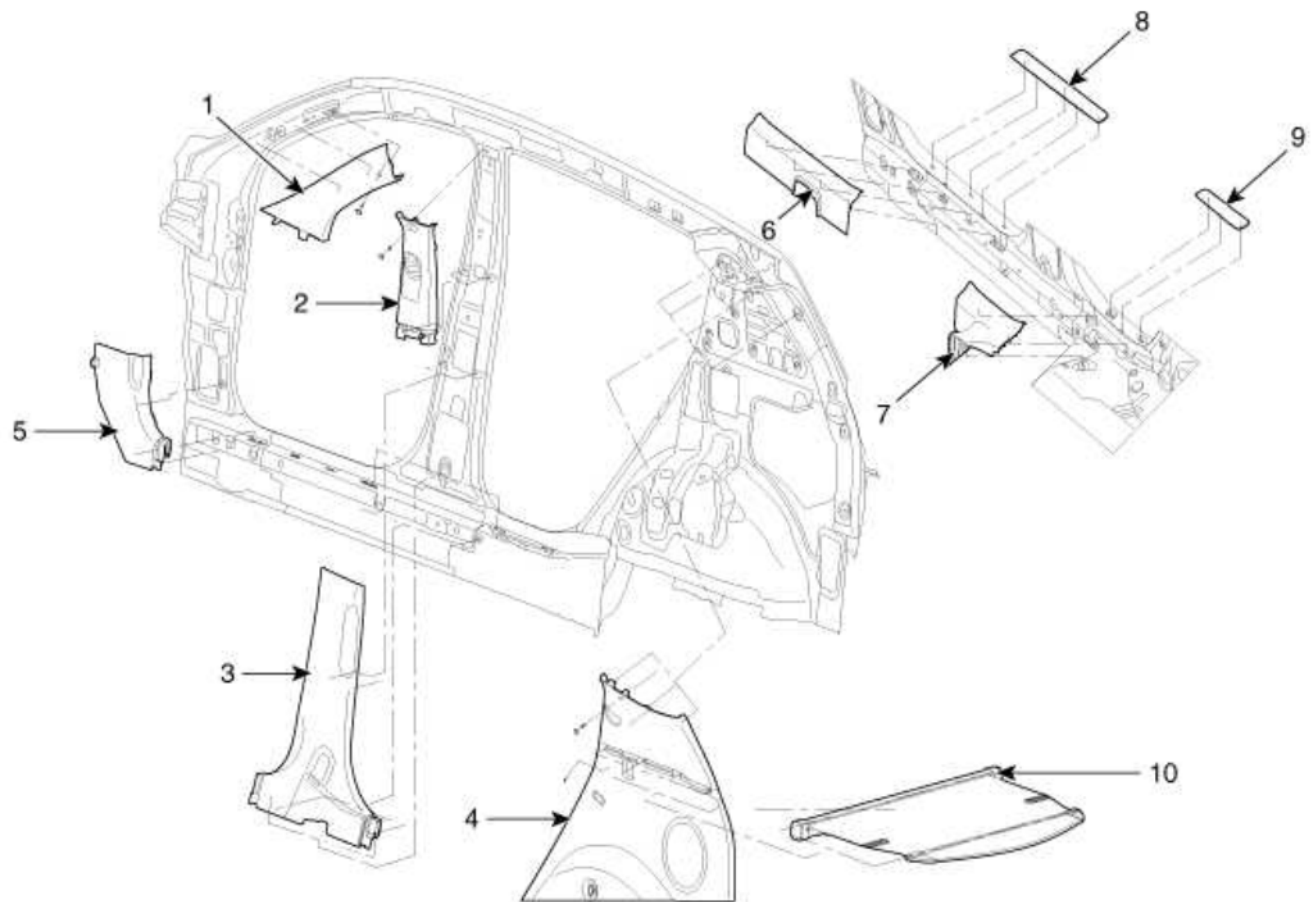
9. Installation is the reverse of removal.

NOTE

- Make sure the connectors are plugged in properly.
- Replace any damage clips.

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

Components



- | | |
|-----------------------------|--------------------------|
| 1. Front pillar trim | 6. Front door scuff trim |
| 2. Center pillar upper trim | 7. Rear door scuff trim |
| 3. Center pillar lower trim | 8. Front step trim |
| 4. Luggage side trim | 9. Rear step trim |
| 5. Cowl side trim | 10. Cargo screen |

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

Replacement

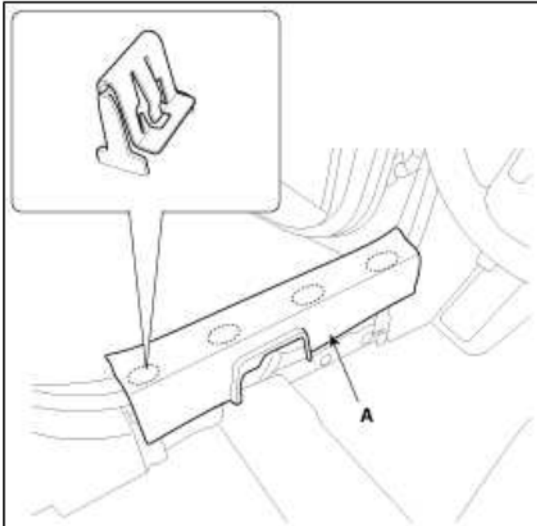
Door Scuff Trim Replacement

CAUTION

- Put on gloves to protect your hands.
- Use a plastic panel removal tool to remove interior trim pieces to without marring the surface.
- Take care not to bend or scratch the trim and panels.

1. Using a screwdriver or remover, remove the front door scuff trim (A).

[Front]

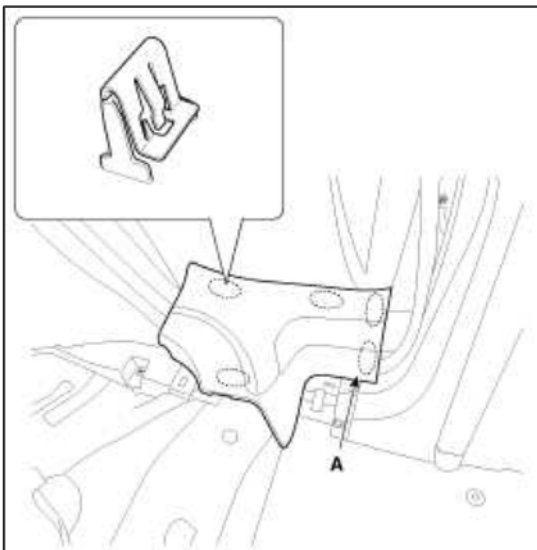


2. Remove the rear seat

(Refer to the BD group - "Rear Seat")

3. Using a screwdriver or remover, remove the rear door scuff trim (A).

[Rear]



4. Installation is the reverse of removal.

NOTE

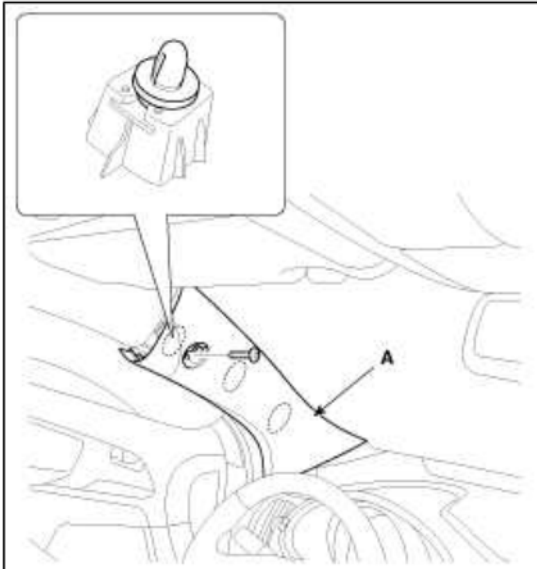
- Replace any damage clips.

Front Pillar Trim Replacement

CAUTION

- Put on gloves to protect your hands.
- Use a plastic panel removal tool to remove interior trim pieces to without marring the surface.
- Take care not to bend or scratch the trim and panels.

1. After loosening the mounting bolt, then remove the front pillar trim (A).



2. Installation is the reverse of removal.

NOTE

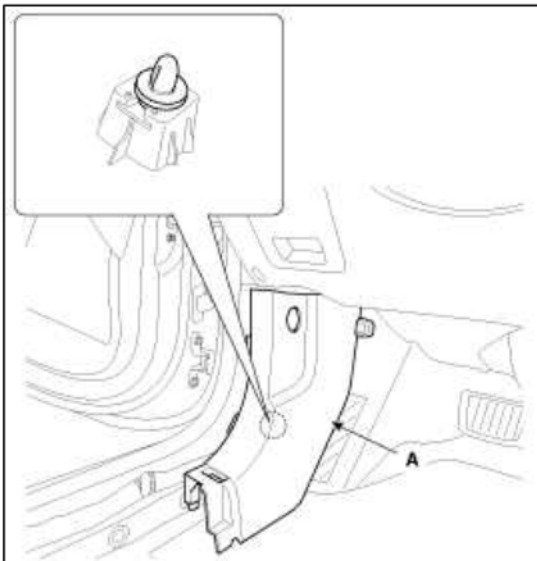
- Replace any damage clips.

Cowl Side Trim Replacement

CAUTION

- Put on gloves to protect your hands.
- Use a plastic panel removal tool to remove interior trip pieces to without marring the surface.
- Take care not to bend or scratch the trim and panels.

1. Remove the front door scuff trim.
2. Remove the hood release handle.
(Refer to the BD group – “Hood”)
3. Using a screwdriver or remover, remove the cowl side trim (A).



4. Installation is the reverse of removal.

NOTE

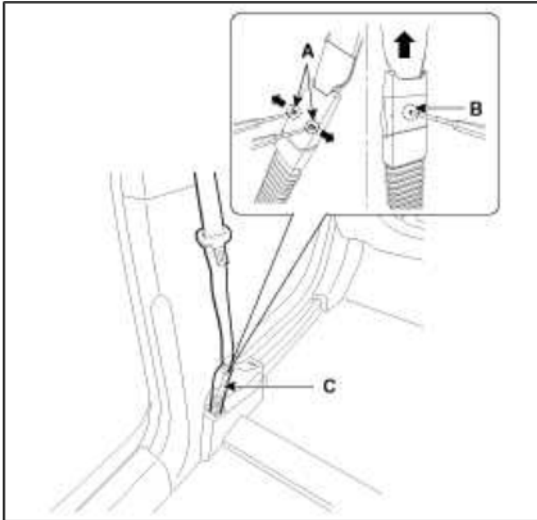
- Replace any damage clips.

Center Pillar Trim Replacement

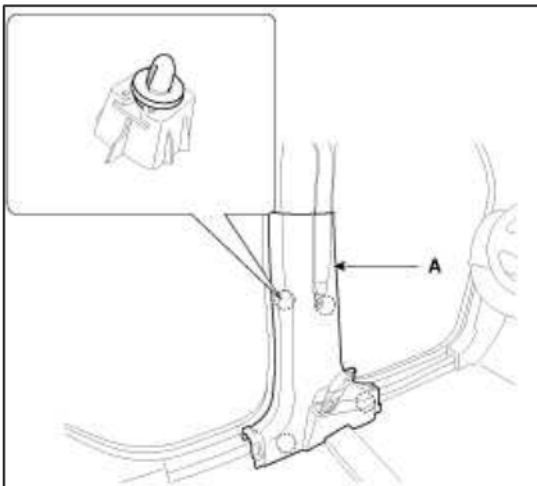
CAUTION

- Put on gloves to protect your hands.
- Use a plastic panel removal tool to remove interior trim pieces to without marring the surface.
- Take care not to bend or scratch the trim and panels.

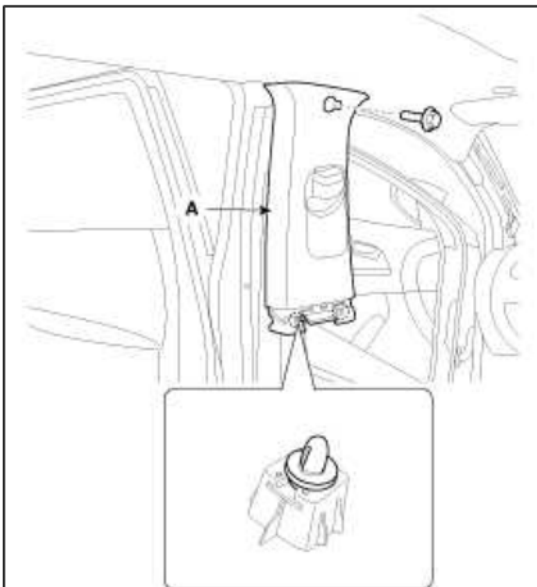
1. Remove the front door scuff trim and rear door scuff trim.
2. To remove the seat belt anchor pretensioner (C), keep on pushing the lock pins (A) as arrow direction. And then remove the seat belt after pushing the lock pin (B).



3. Using a screwdriver or remover, remove the center pillar lower trim (A).



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



5. Installation is the reverse of removal.

NOTE

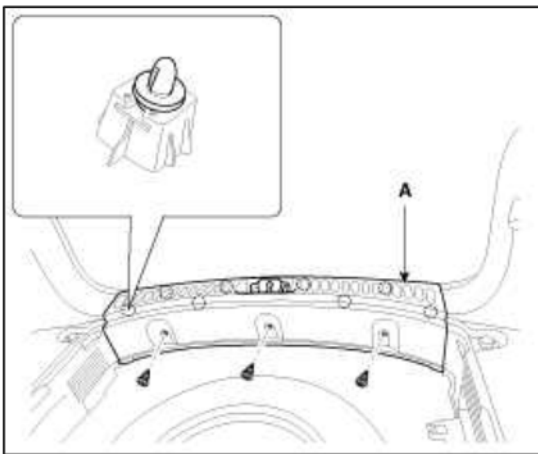
- Replace any damage clips.

Rear Pillar Trim Replacement

CAUTION

- Put on gloves to protect your hands.
- Use a plastic panel removal tool to remove interior trim pieces to without marring the surface.
- Take care not to bend or scratch the trim and panels.

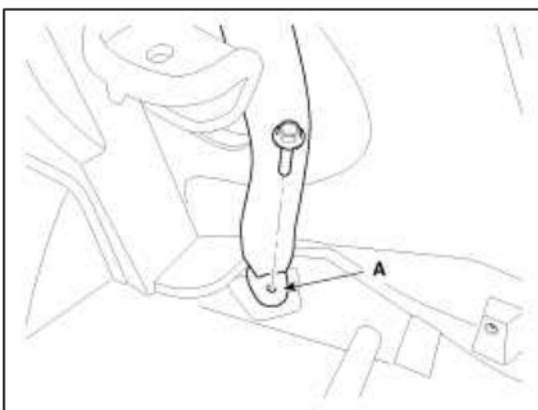
1. Remove the rear seat.
(Refer to the BD group – “Rear Seat”)
2. Remove the rear door scuff trim.
3. Detach the mounting clips, remove the transverse trim (A).



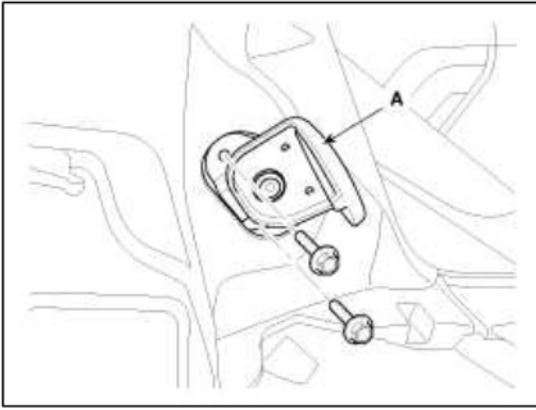
4. After loosening the mounting bolt, then remove the rear seat belt lower anchor (A).

Tightening torque :

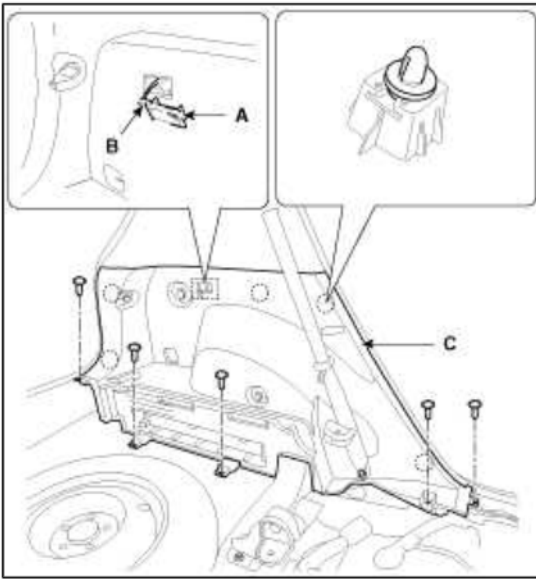
39.2 ~ 53.9 N.m (4.0 ~ 5.5 kgf.m, 28.9 ~ 39.8 lb-ft)



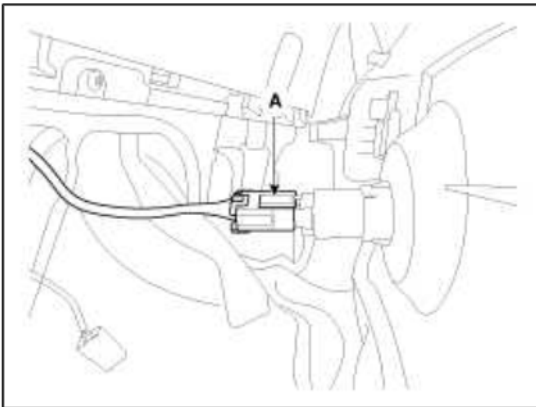
5. After loosening the mounting bolts, then remove the rear seat bracket (A).



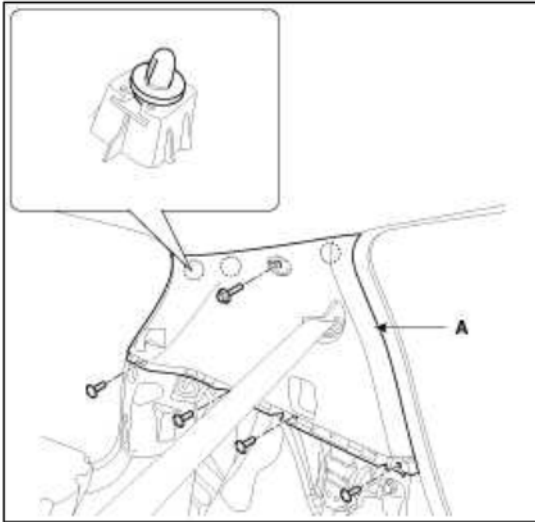
6. Using a screwdriver or remover, remove the lamp (A).
7. Disconnect the connector (B).
8. After loosening the mounting screws, then remove the luggage side trim (C).



9. Disconnect the connector (A).



10. After loosening the mounting screws and bolt, then remove the rear pillar trim (A).



11. Installation is the reverse of removal.

NOTE

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

Luggage Side Trim Replacement

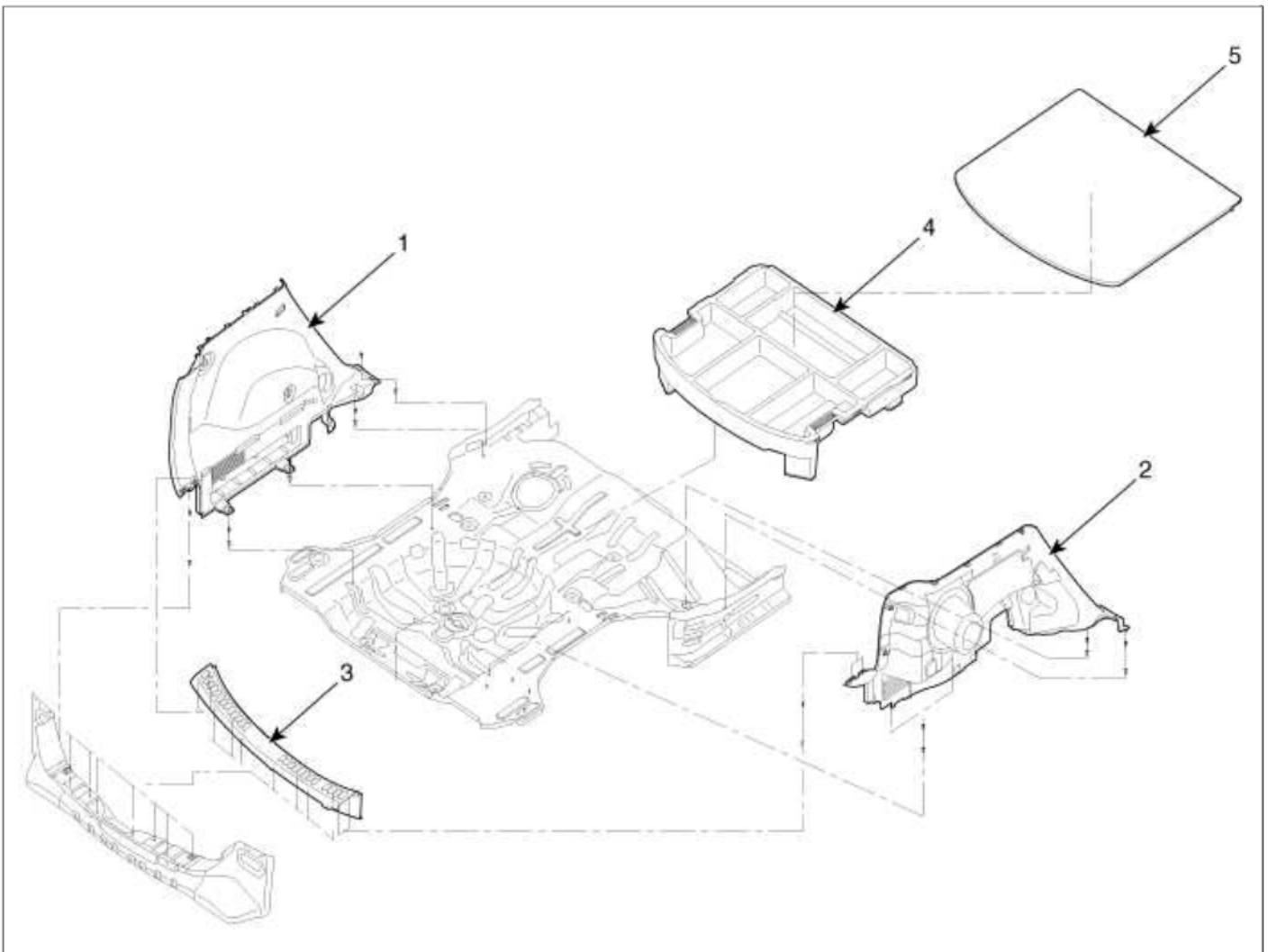
CAUTION

- Put on gloves to protect your hands.
- Use a plastic panel removal tool to remove interior trim pieces to without marring the surface.
- Take care not to bend or scratch the trim and panels.

1. Remove the rear seat.
(Refer to the BD group – “Rear Seat”)
2. Remove the transverse trim.
3. Remove the rear door scuff trim.
4. After loosening the mounting screws, then remove the luggage side trim.
5. Installation is the reverse of removal.

NOTE

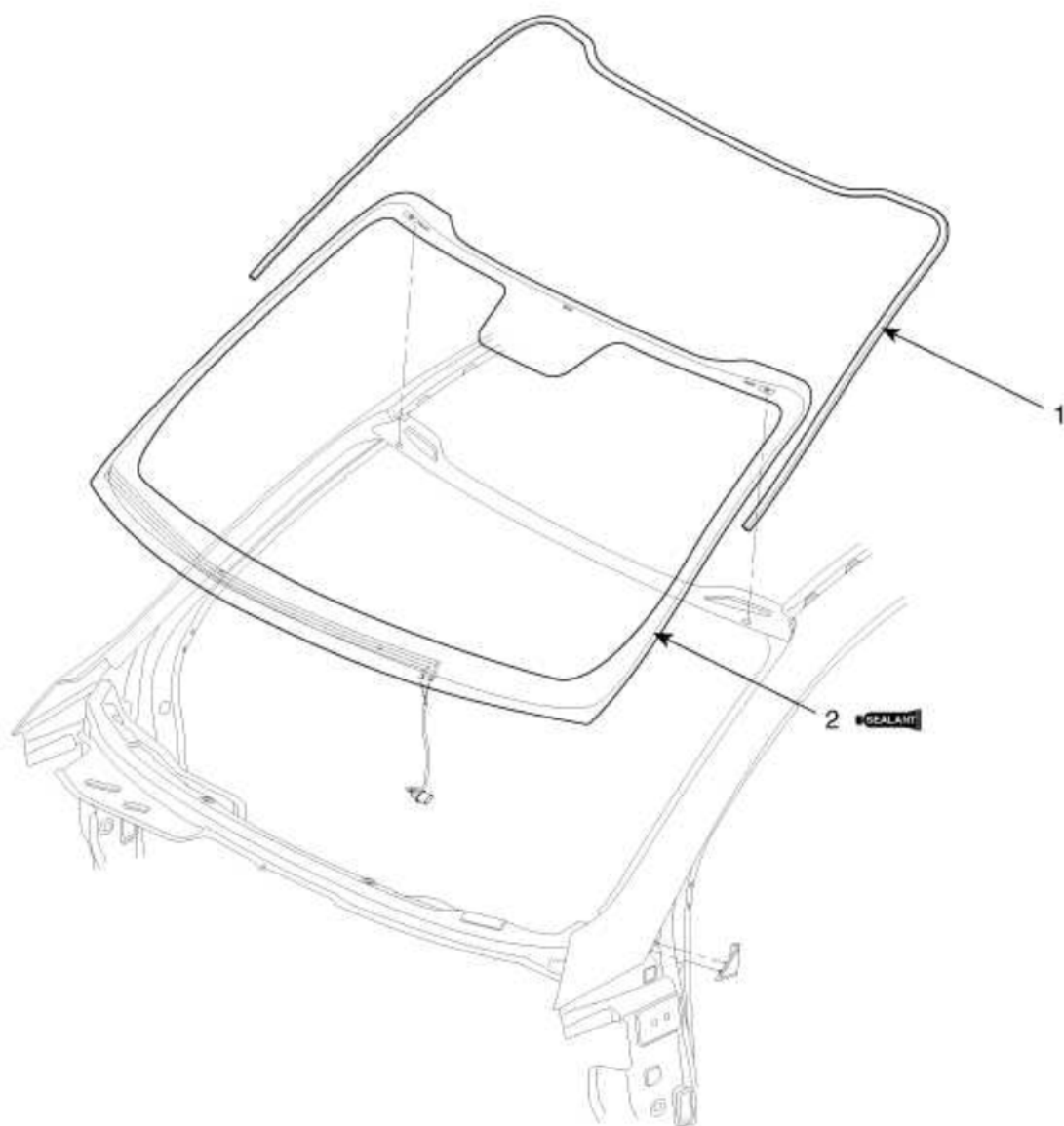
- Replace any damage clips.



- | | |
|---------------------------|---------------------------|
| 1. Luggage side trim [LH] | 4. Luggage center tray |
| 2. Luggage side trim [RH] | 5. Luggage covering board |
| 3. Rear transverse trim | |

Body (Interior and Exterior) > Interior > Windshield Glass > Components and Components Location

Components



1. Windshield side
molding

2. Windshield glass

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

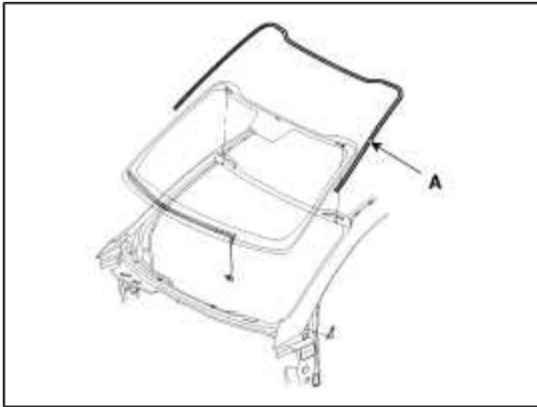
Replacement

Removal

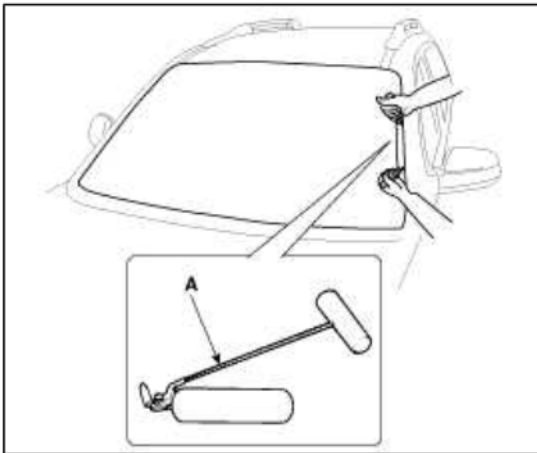
CAUTION

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

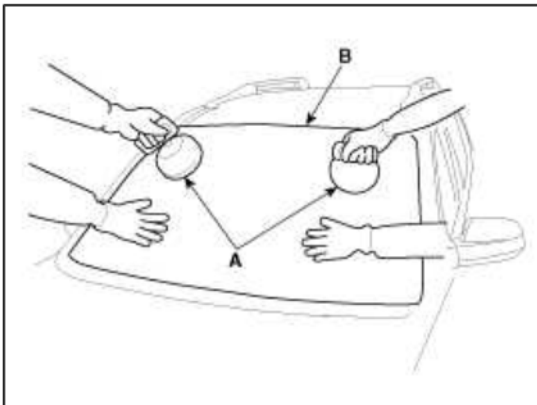
1. Remove the following items.
 - A. Front pillar trim
(Refer to the BD group – “Interior Trim”)
 - B. Inside rearview mirror
(Refer to the BD group – “Mirror”)
 - C. Rain sensor
(Refer to the BE group – “Rain Sensor”)
 - D. Wiper arm
(Refer to the BD group – “Cowl Top Cover”)
 - E. Cowl top cover
(Refer to the BD group – “Cowl Top Cover”)
 - F. Windshield glass deicer connector
(Refer to the BE group – “Windshield Deicer”)
2. Using a screwdriver or remover, remove the windshield side molding (A).



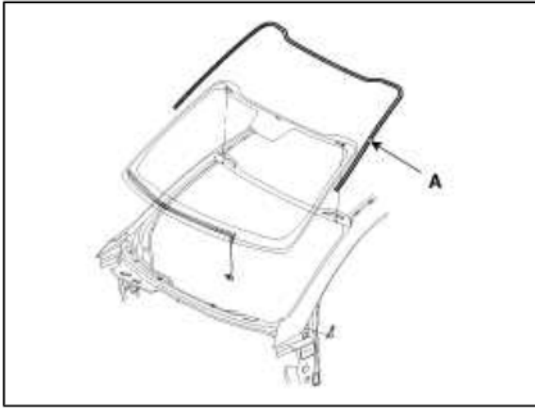
3. Cut out the sealant using the sealant cutting tool(A)(09861-31100).



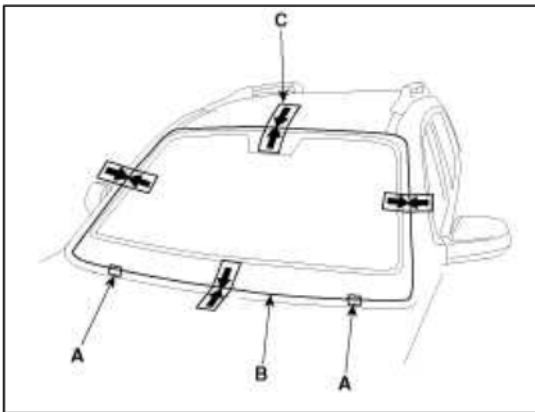
4. Remove the windshield glass (B) carefully using the glass holder (A).



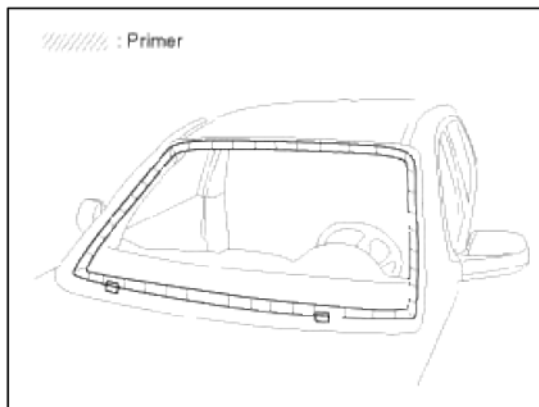
1. With a knife, scrape the old adhesive smooth to a thickness of about 2mm (0.08 in.) on the bonding surface around the entire windshield opening flange:
 - A. Do not scrape down to the painted surface of the body; damaged paint will interfere with proper bonding.
 - B. Remove the rubber dam and fasteners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



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



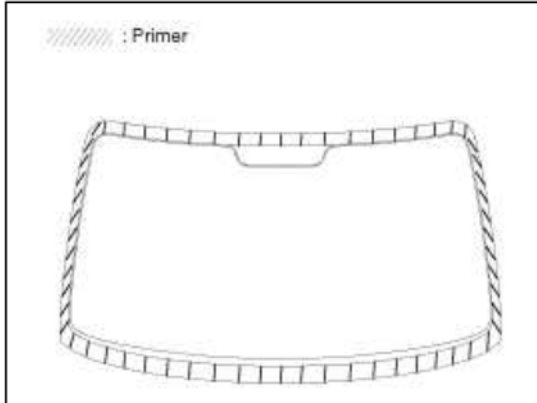
5. With a sponge, apply a light coat of body primer to the original adhesive remaining around the windshield opening flange. Let the body primer dry for at least 10 minutes.
 - A. Do not apply glass primer to the body, and be careful not to mix up glass and body primer sponges.
 - B. Never touch the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



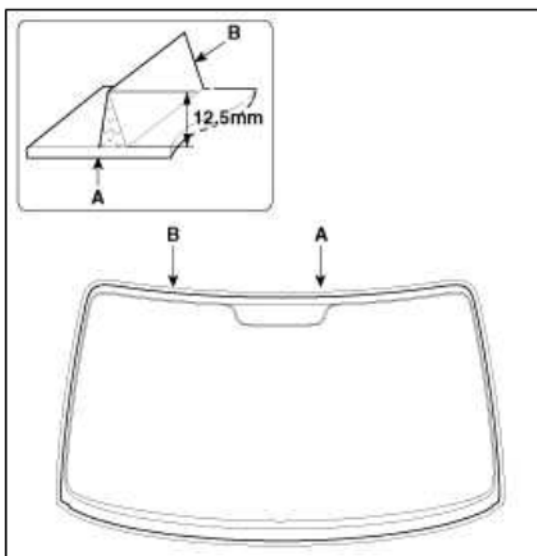
6. Apply a light coat of glass primer to the outside of the fasteners.

NOTE

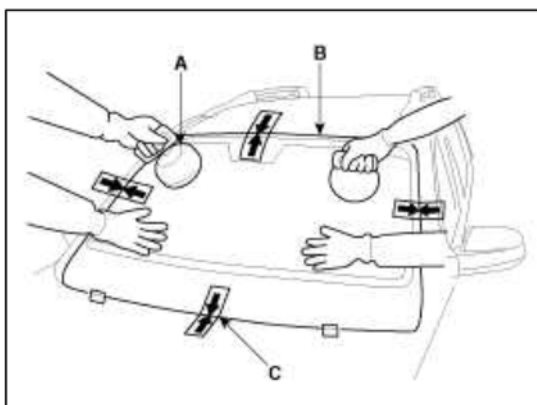
- Never touch the primed surface with your hand. If you do, the adhesive may not bond to the glass properly, causing a leak after the windshield glass is installed.
- Do not apply body primer to the glass.
- Keep water, dust, and abrasive materials away from the primer.



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 (B) around the edge of the windshield (A) between the fastener and molding as shown. Apply the adhesive within 30 minutes after applying the glass primer. Make a slightly thicker bead at each corner.



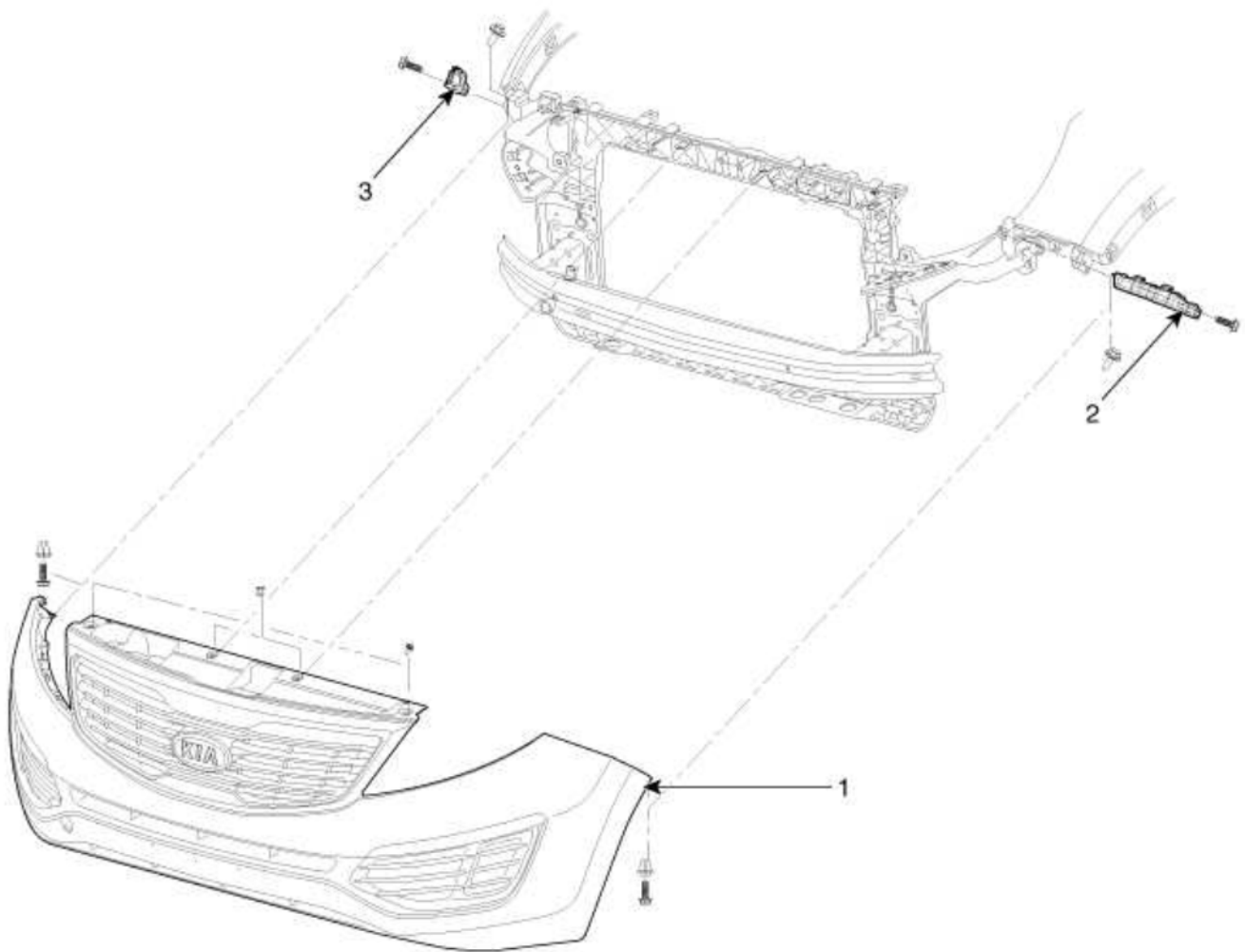
8. Use suction cups (A) to hold the windshield (B) over the opening, align it with the alignment marks (C) made in step 15, and set it down on the adhesive. Lightly push on the windshield until its edges are fully seated on the adhesive all the way around. Do not open or close the doors until the adhesive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



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)
12. Installation the following items.
 - A. Windshield glass deicer connector
(Refer to the BE group – “Windshield Deicer”)
 - B. Cowl top cover
(Refer to the BD group – “Cowl Top Cover”)
 - C. Wiper arm
(Refer to the BD group – “Cowl Top Cover”)
 - D. Rain sensor
(Refer to the BE group – “Rain Sensor”)
 - E. Inside rearview mirror
(Refer to the BD group – “Mirror”)
 - F. Front pillar trim
(Refer to the BD group – “Interior Trim”)

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

Components



- | | |
|-----------------------------------|------------------------------|
| 1. Front bumper cover | 3. Front bumper side bracket |
| 2. Front bumper side bracket [LH] | [RH] |

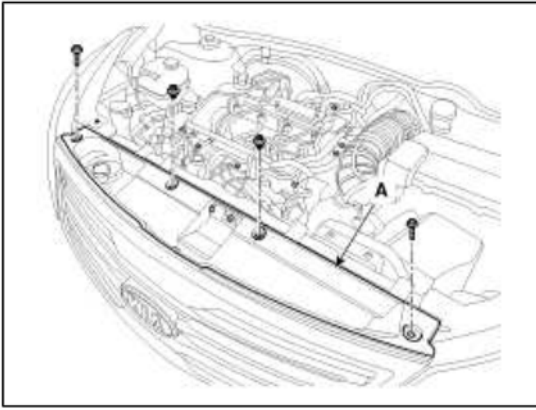
Body (Interior and Exterior) > Bumper > Front Bumper > Repair procedures

Replacement

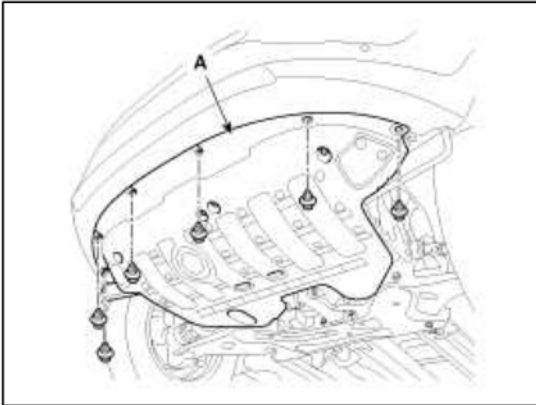
CAUTION

- Put on gloves to protect your hands.
- Use a plastic panel removal tool to remove interior trip pieces to without marring the surface.
- Take care not bend or scratch the cover and other parts.

1. Loosen the radiator upper cover (A) mounting clips and bolts.



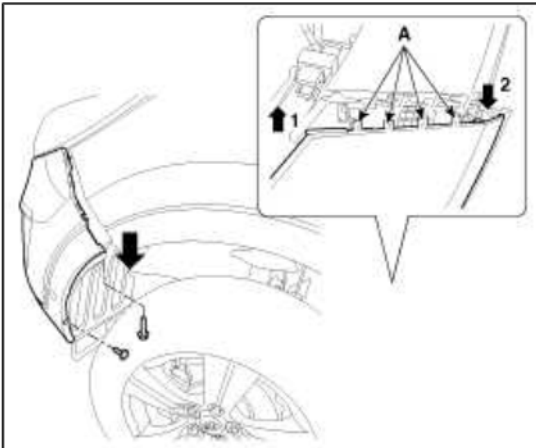
2. Remove the under cover (A) mounting clips.



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

CAUTION

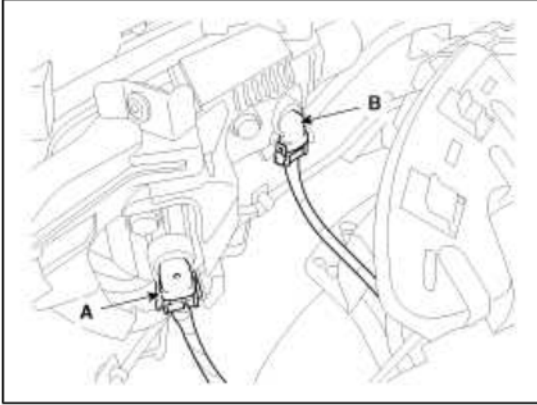
- When you pull out the front bumper, the front bumper could be damaged by the projection (A).



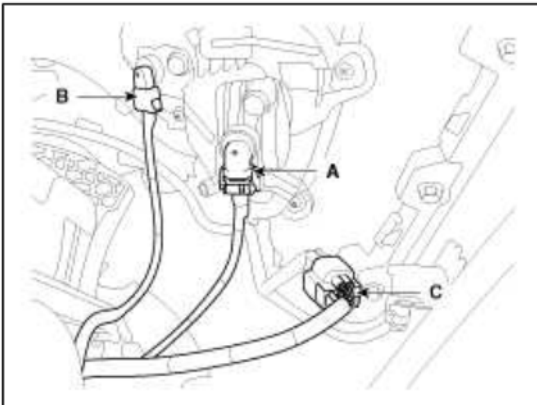
4. Disconnect the fog lamp (A), turn signal lamp (B), front sensor (C).

5. Remove the front bumper.

[LH]



[RH]



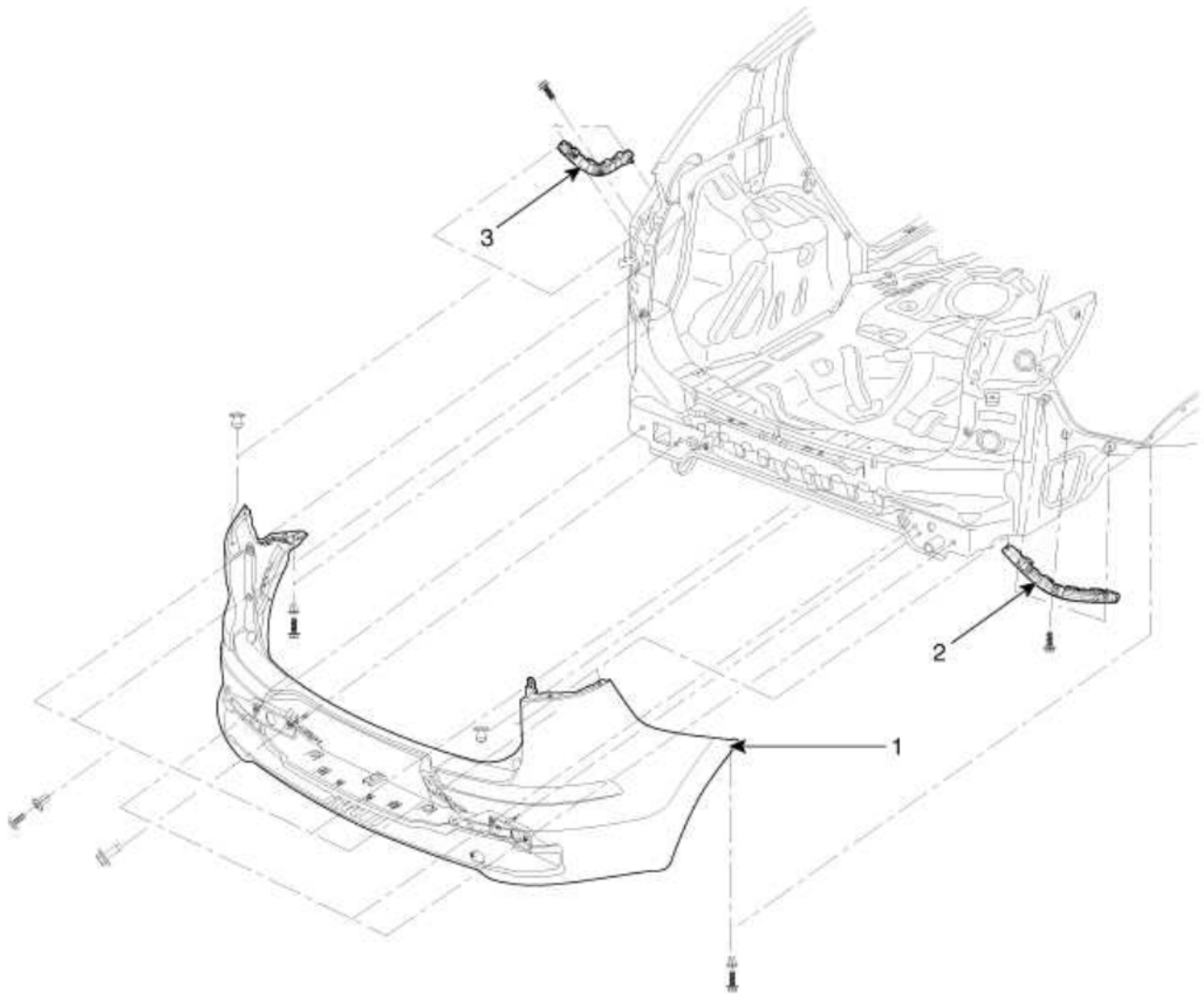
6. Installation is the reverse of removal.

NOTE

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

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

Components



- | | |
|-----------------------------------|-----------------------------------|
| 1. Front bumper cover | 3. Front bumper side bracket [LH] |
| 2. Front bumper side bracket [RH] | |

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

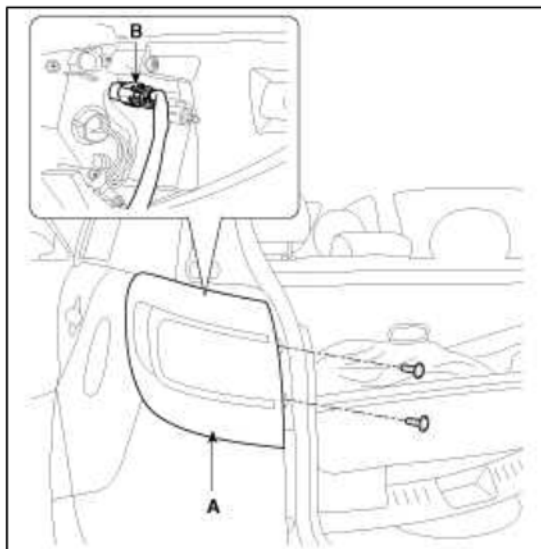
Replacement

CAUTION

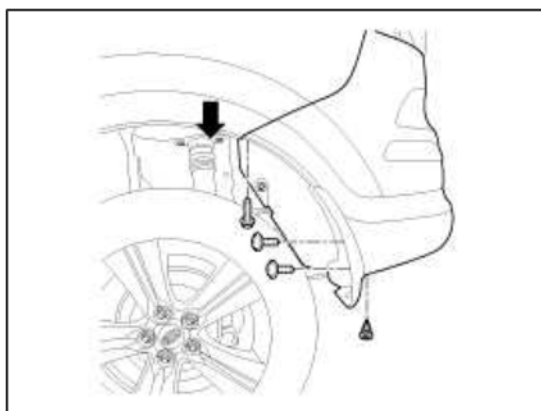
- Put on gloves to protect your hands.
- Use a plastic panel removal tool to remove interior trip pieces to without marring the surface.
- Take care not bend or scratch the cover and other parts.

1. After loosening the mounting screws, then remove the rear combination lamp (A).

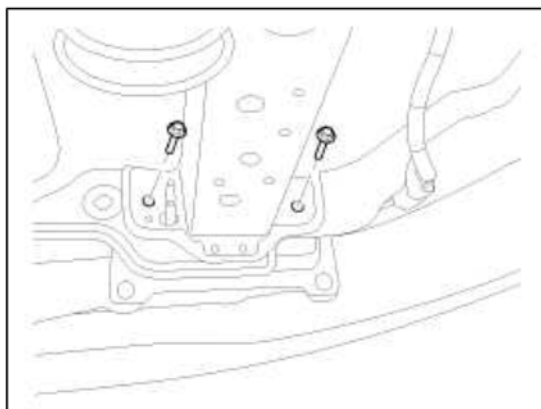
2. Push the lock pin, disconnect the connector (B).



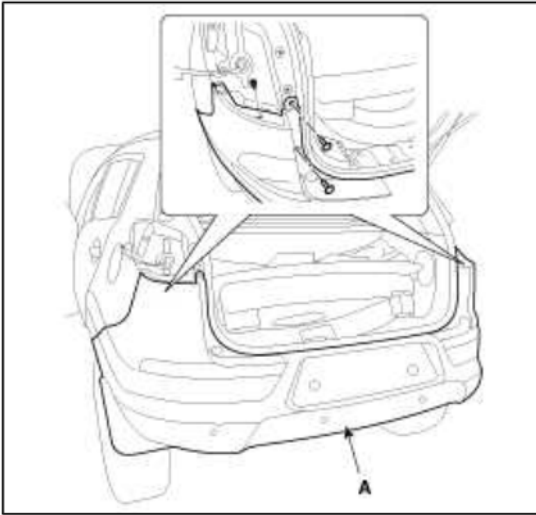
3. After loosening the rear bumper side's mounting screws and clip, then disconnect the side's.



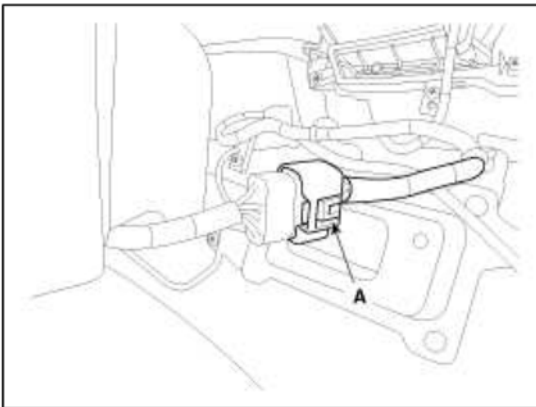
4. Loosen the mounting bolts.



5. After loosening the mounting screws and clip, then remove the rear bumper (A).



6. Push the lock pin, disconnect the rear bumper main connector (A).



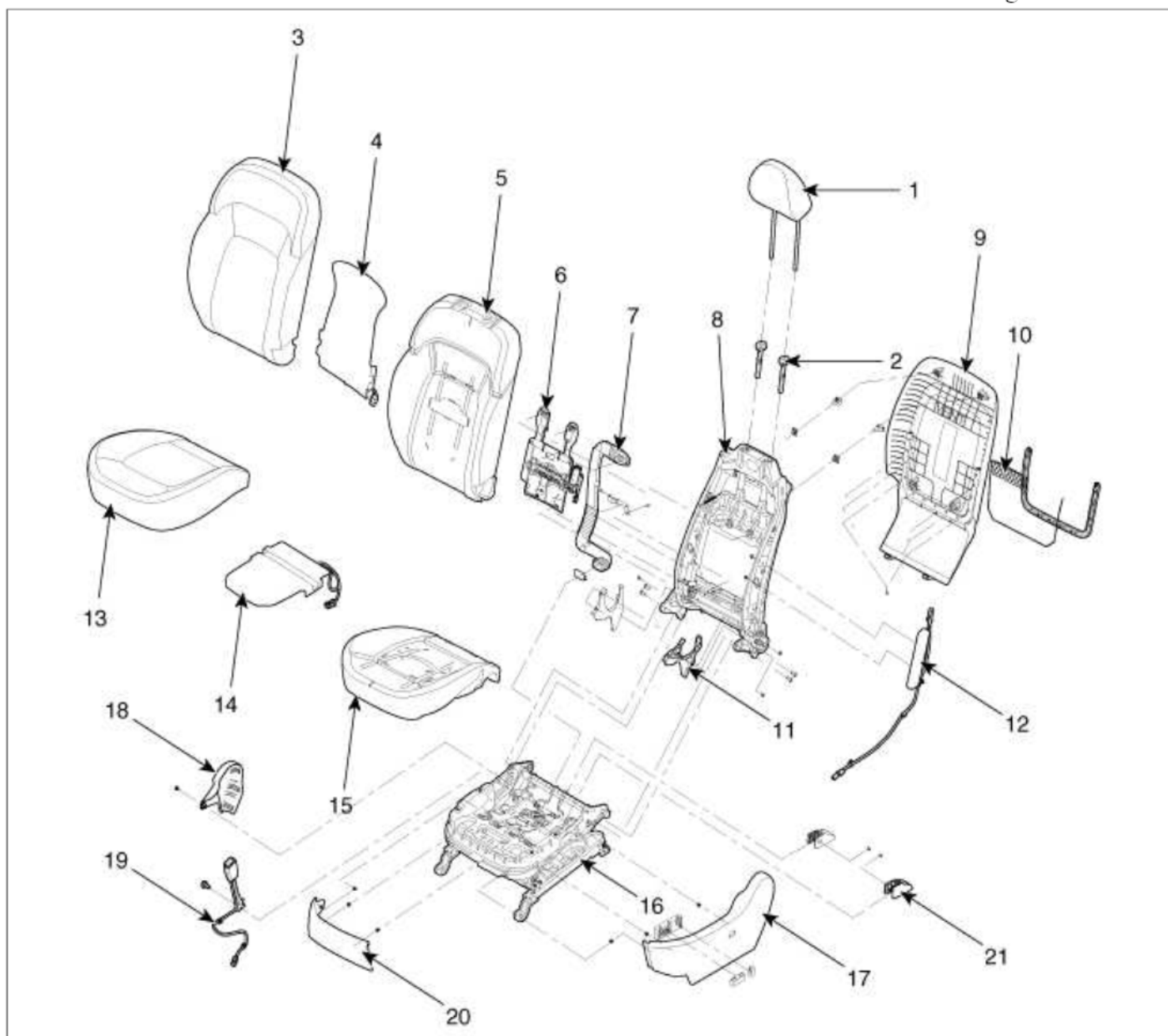
7. Installation is the reverse of removal.

NOTE

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

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

Components



1. Headrest	8. Front seat back frame	15. Front seat cushion pad
2. Headrest guide	9. Front seat back cover	16. Front seat cushion frame
3. Front seat back cover	10. Front seat map pocket	17. Front shield outer cover
4. Front seat back heater	11. Front inside cover	18. Front shield inner cover
5. Front seat back pad	12. Front airbag module	19. Front seat buckle
6. Front seat back power lumbar	13. Front seat cushion cover	20. Front shield cover
7. Front seat back duct	14. Front seat cushion heater	21. Front foot cover

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

Replacement

Seat Assembly Replacement

1. Remove the front foot cover.

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

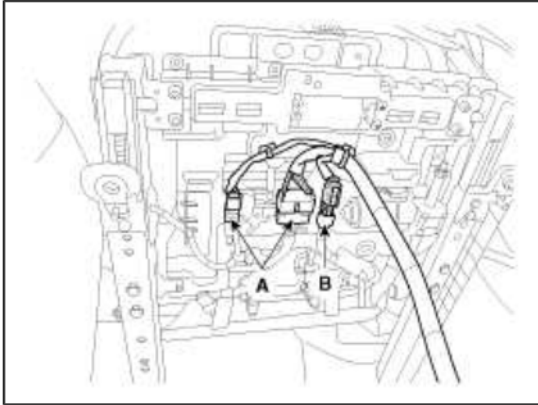
Tightening torque :

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

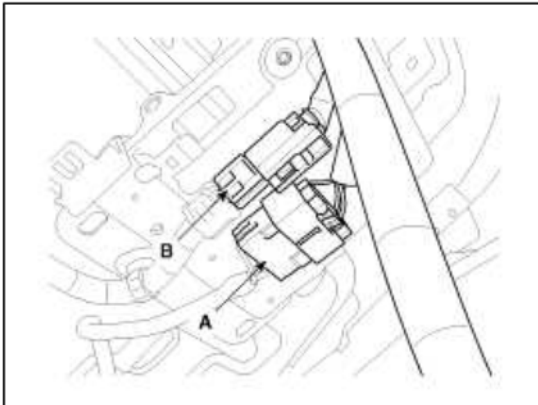


3. Disconnect the power seat connectors (A), airbag connector (B).

[Driver's]



[Passenger's]



4. Installation is the reverse of removal.

NOTE

- Be sure to perform PODS re-zero with the GDS after replacing parts (passenger's)
(Refer to page RT - "Airbag")

CAUTION

Seat Mounting Bolt Installation Procedure

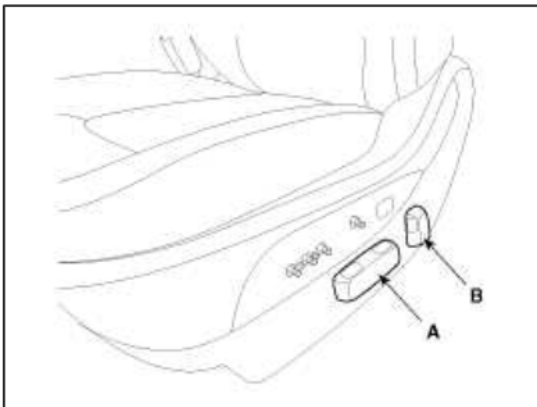
- Set the into the most rearward position. Check then each slide is locked, and then Tighten the front mounting bolt temporarily.
- Set the seat into most forward position. Check that each slide is locked, and then Tighten the rear mounting bolt completely.
- Set the seat into the most rearward position.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

Front Shield Outer Cover Replacement

CAUTION

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

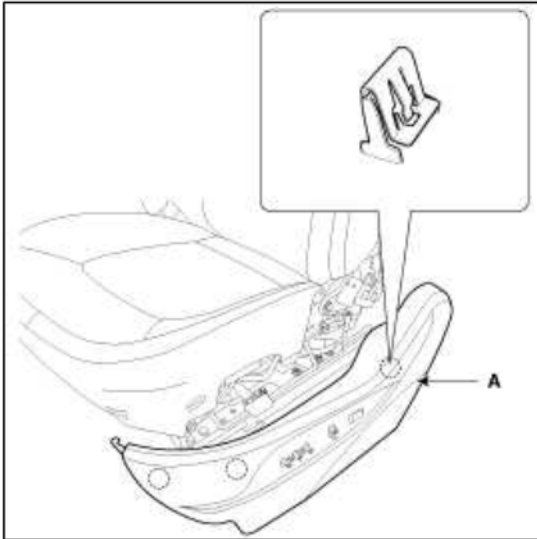
1. Remove the recliner switch (A) and height switch (B).



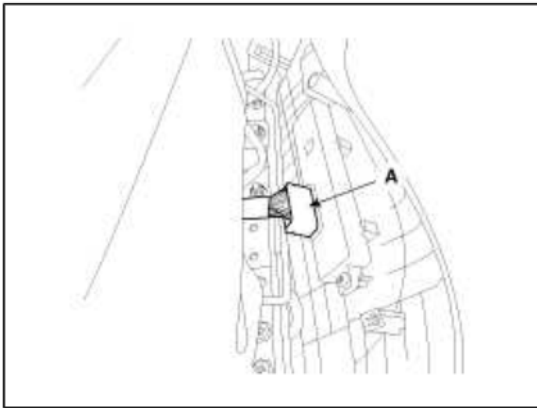
2. Using a screwdriver or remover, remove the front shield cover (A).



3. Using a screwdriver or remover, remove the front shield outer cover (A).



4. Disconnect the connector (A).



5. Installation is the reverse of removal.

NOTE

- Make sure the connectors are plugged in properly.
- Replace any damage clips.
- Be sure to perform PODS re-zero with the GDS after replacing parts (passenger's)
(Refer to page RT - "Airbag")

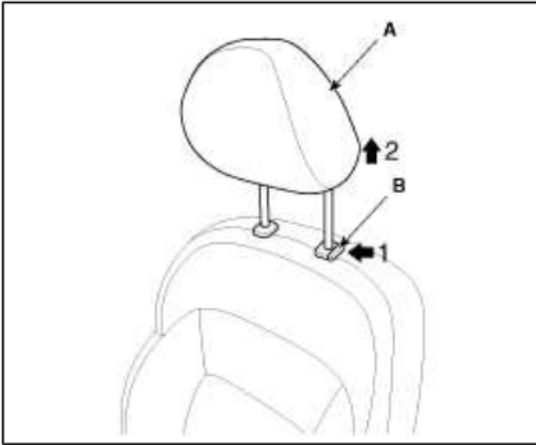
Seat Back Cover Replacement

CAUTION

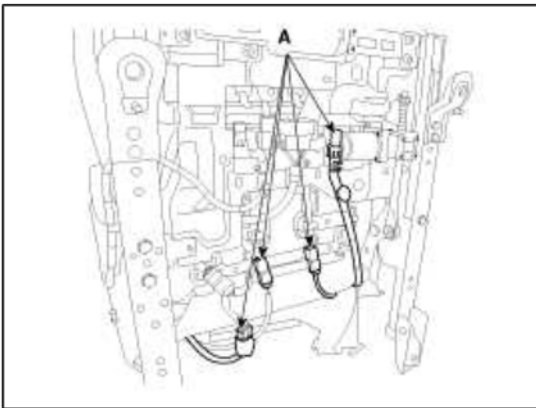
- When prying with a flat-tip screwdriver, wrap it with protective tape, and apply protective tape around the related parts your hands.
- Put on gloves to protect your hands.

1. Remove front seat assembly.

2. Push the lock pin (B), remove the headrest (A).



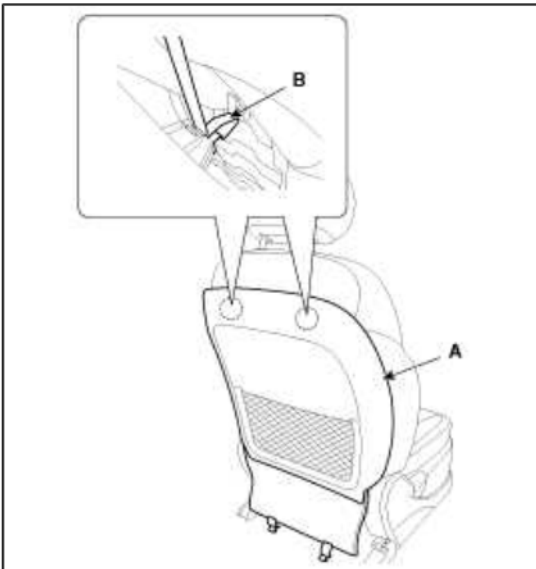
3. Disconnect the connectors (A).



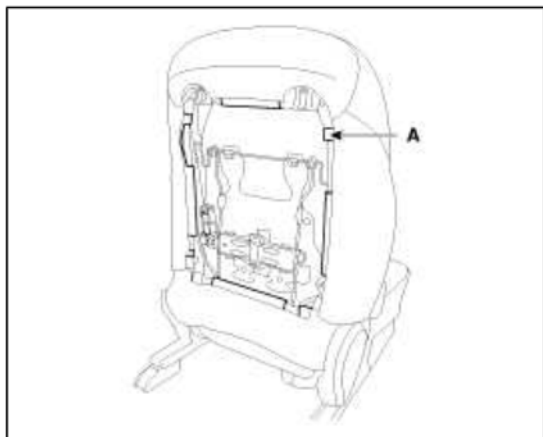
4. Push the clips (B), from the front seat back cover (A).

CAUTION

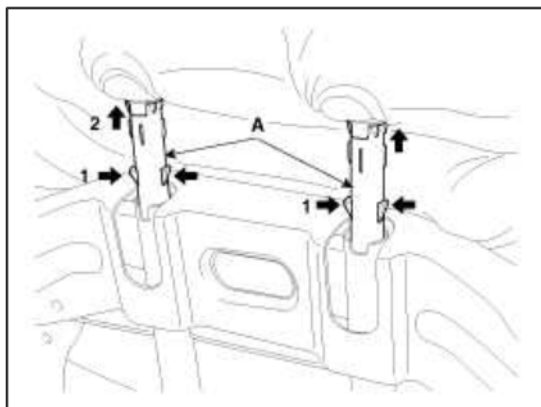
- Push the middle area of clip using the flat head screwdriver.
- Be careful not to damage the clips.



5. Push the porotecter (A) by the seat back frame.



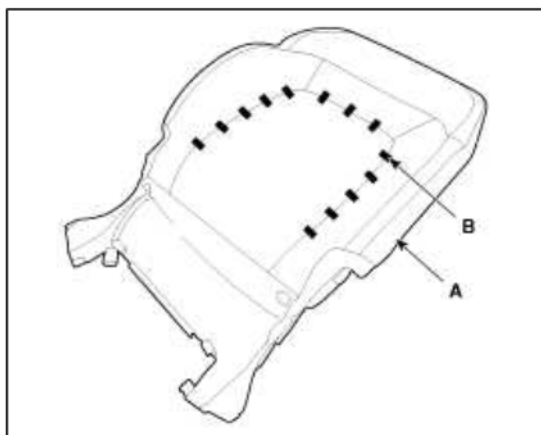
6. Pull out the headrest guides (A) while pinching the end of the guides, and remove them.



7. Remove the seat back cover (A) from the frame.



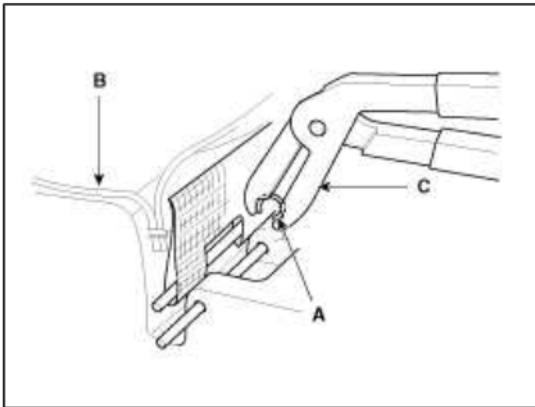
8. After removing the hog ring clips (B) on the front of seat back and remove the seat back cover (A).



9. Installation is the reverse of removal.

NOTE

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

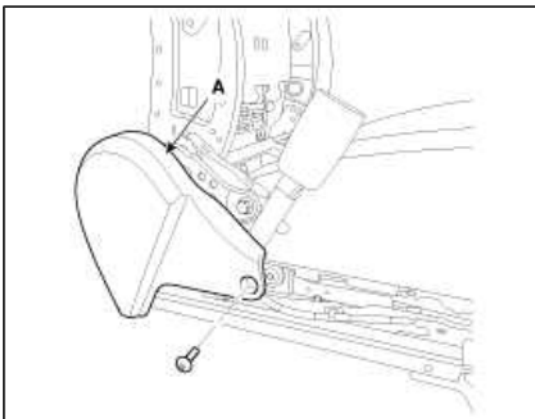


NOTE

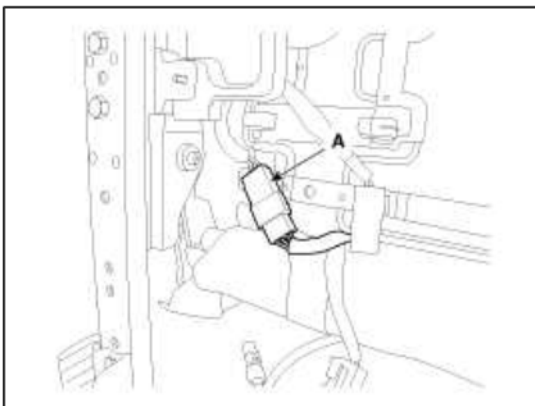
- Be sure to perform PODS re-zero with the GDS after replacing parts (Passenger's) (Refer to page RT - "Airbag")

Seat Cushion Cover Replacement

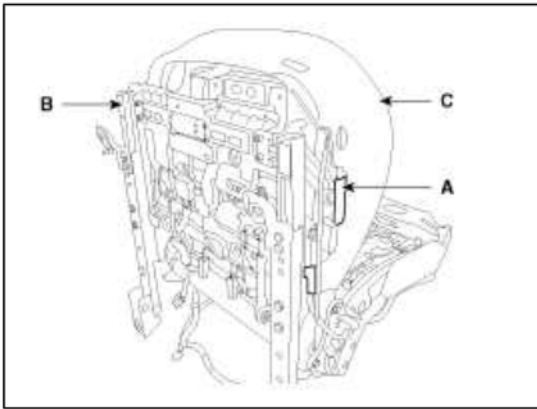
1. Remove front seat assembly.
2. Remove the front shield outer cover.
3. After loosening the mounting screw, then remove the front shield inner cover (A).



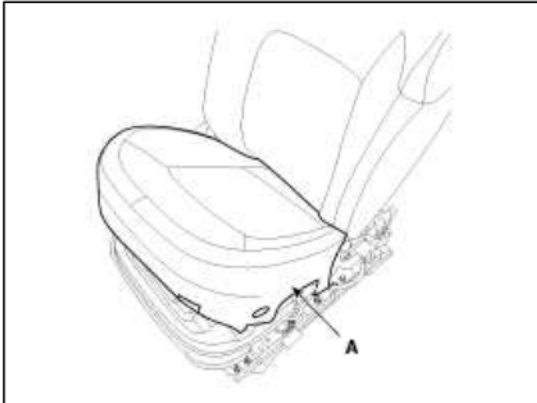
4. Disconnect the connector (A).



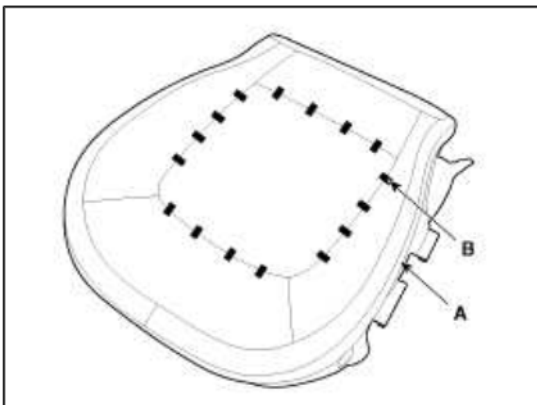
5. Push the protector (A) and then seat cushion cover (C) from the frame (B).



6. Remove the seat cushion cover (A) from the frame.



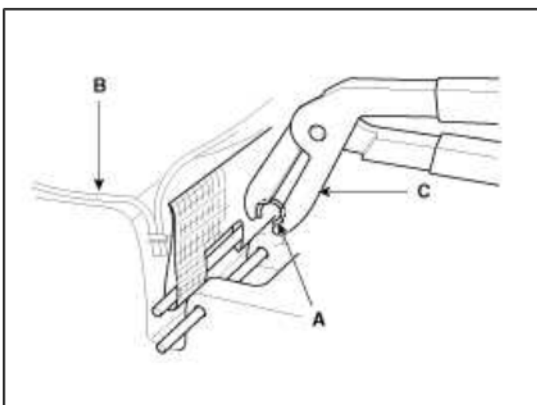
7. After removing the hog ring clips (B) on the front of seat cushion and remove the seat cushion cover (A).



8. Installation is the reverse of removal.

NOTE

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

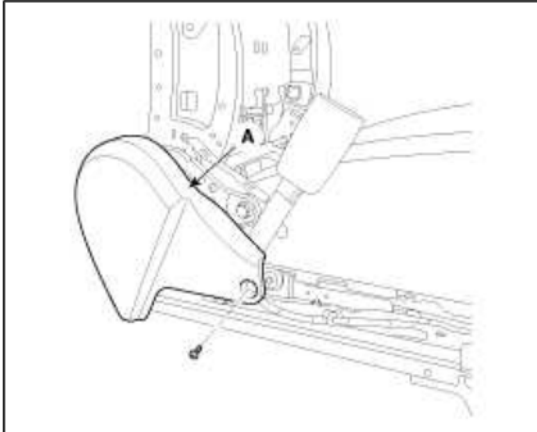


NOTE

- Be sure to perform PODS re-zero with the GDS after replacing parts (Passenger's)
(Refer to page RT - "Airbag")

Seat Frame Replacement

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



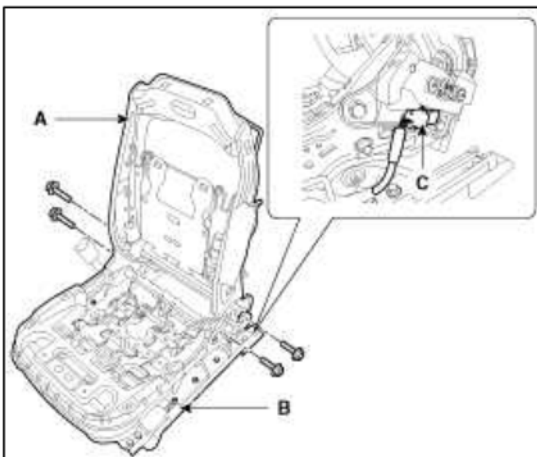
3. Disconnect the connector (C).
4. After loosening the mounting bolts, then disconnect the seat back frame (A) and seat cushion frame (B).

NOTE

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

Tightening torque :

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



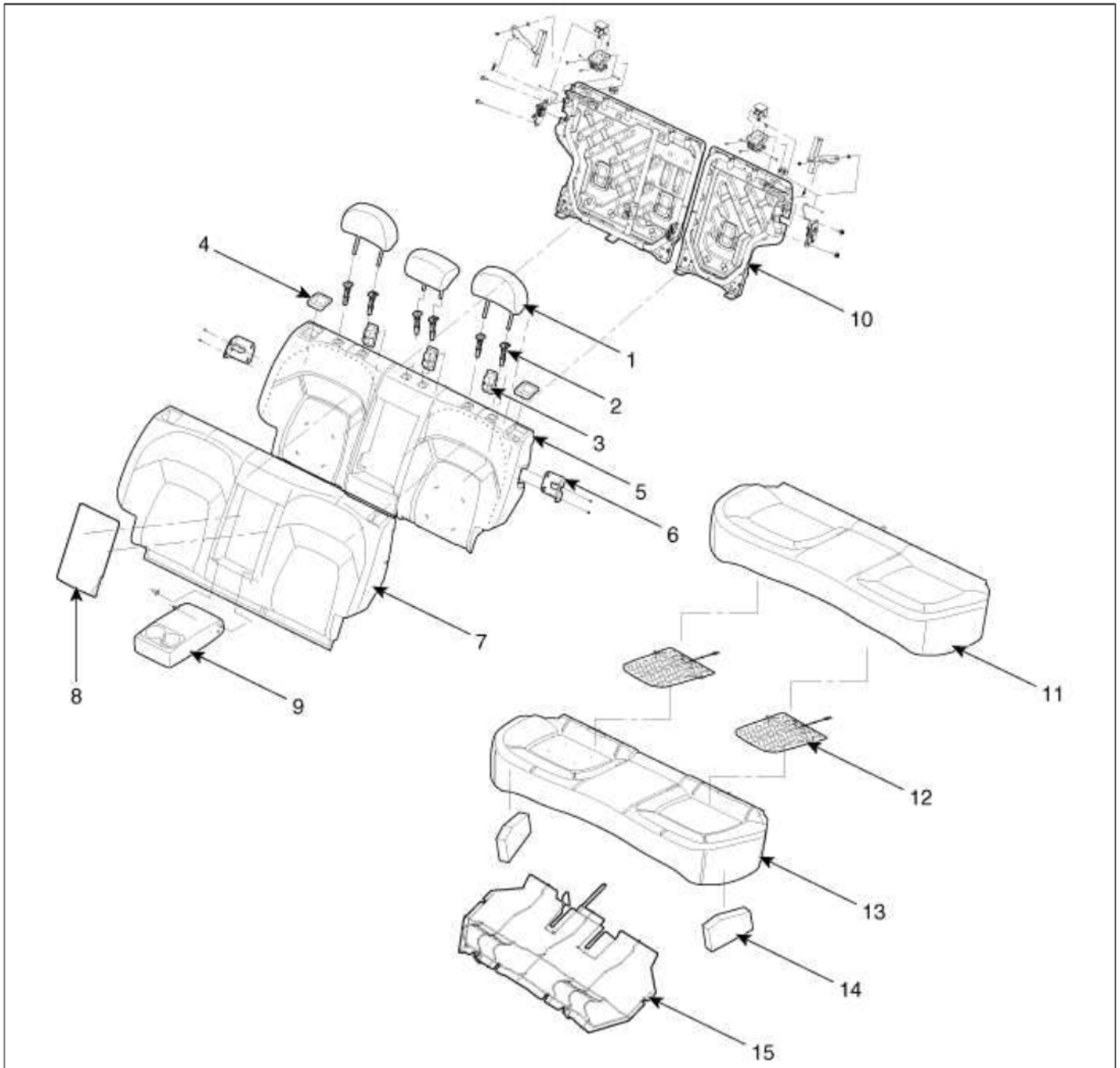
5. Installation is the reverse of removal.

NOTE

- Be sure to perform PODS re-zero with the GDS 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. Headrest	6. Latch cover	11. Rear seat cushion cover
2. Headrest guide	7. Rear seat back cover	12. Rear seat cushion warmer
3. Tether anchor garnish	8. Armrest board	13. Rear seat cushion pad
4. Upper bezel	9. Rear armrest	14. Insert pad rear cushion
5. Rear seat back pad	10. Rear seat back frame	15. Rear seat cushion frame

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

Replacement

Seat Assembly Replacement

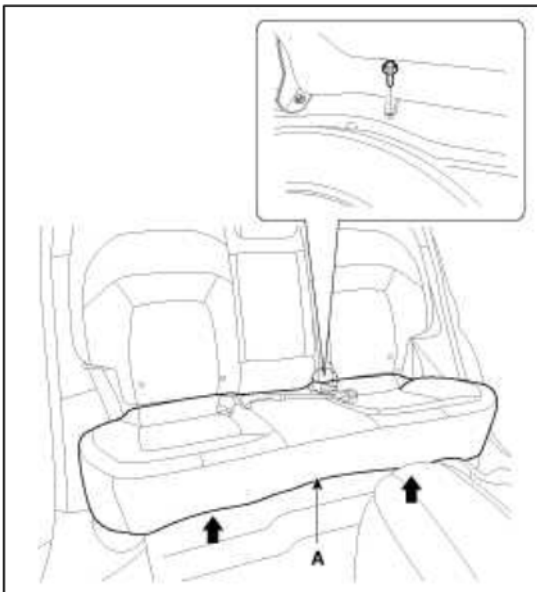
1. After loosening the mounting bolt, then remove the rear seat cushion (A).

Tightening torque :

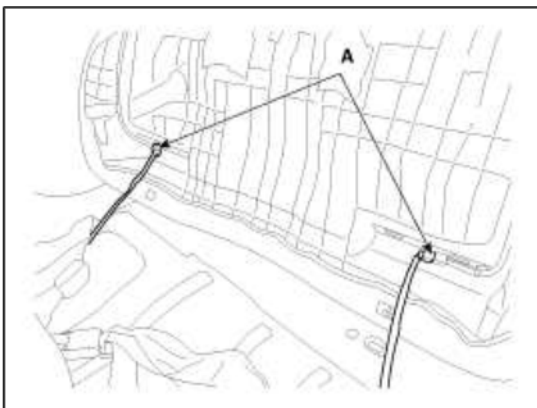
49.0 ~ 63.7 N.m (5.0 ~ 6.5 kgf.m, 36.2 ~ 47.0 lb-ft)

CAUTION

- Remove the rear cushion to direction of the arrow.



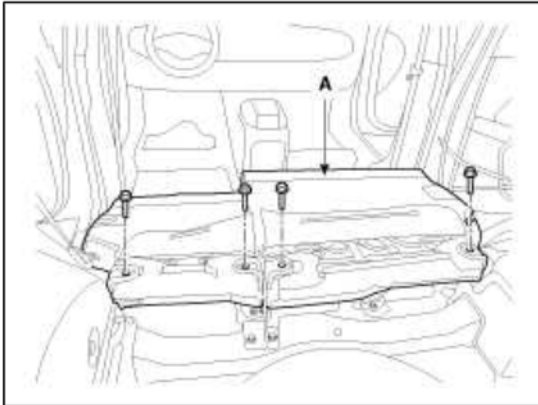
2. Disconnect the rear seat cushion warmer connectors (A).



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

Tightening torque :

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



4. Installation is the reverse of removal.

NOTE

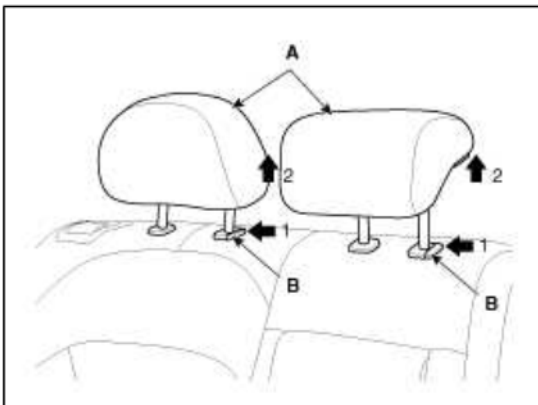
- Make sure the connector is connected properly.

Seat Back Cover Replacement [RH]

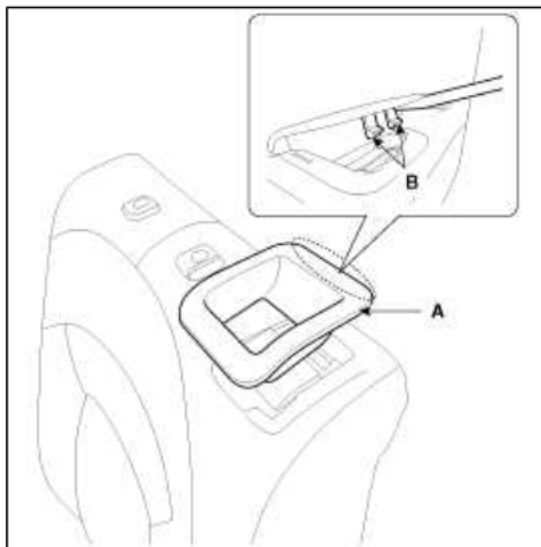
CAUTION

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

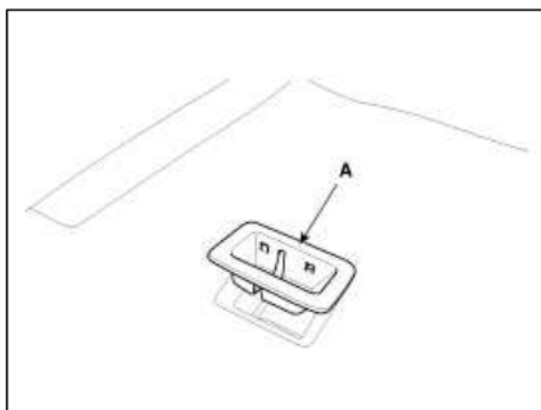
1. Remove the rear seat assembly.
2. Push the lock pin (B) and then remove the headrest (A).



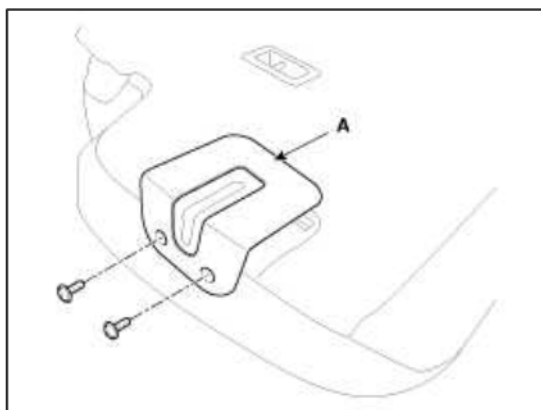
3. Push the hook (B) and then remove the upper bezel (A).



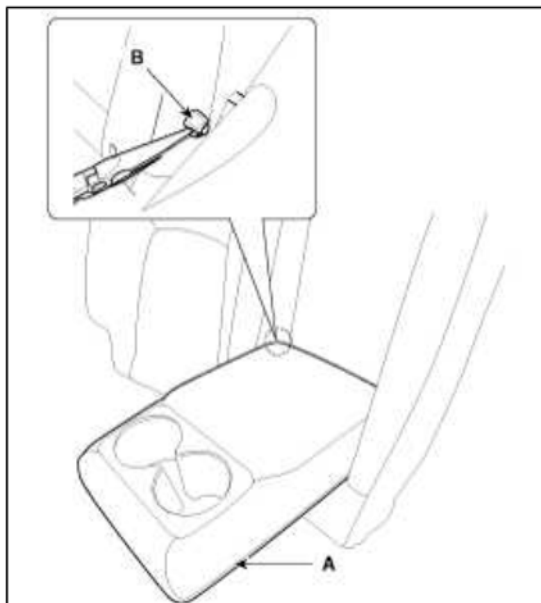
4. Using a screwdriver or remover, remove the tether anchor garnish (A).



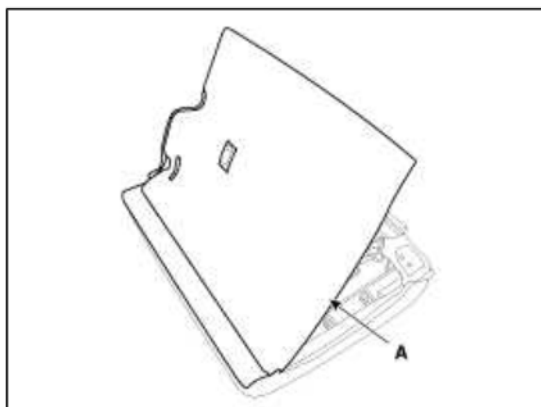
5. After loosening the mounting screws, then remove the latch cover (A).



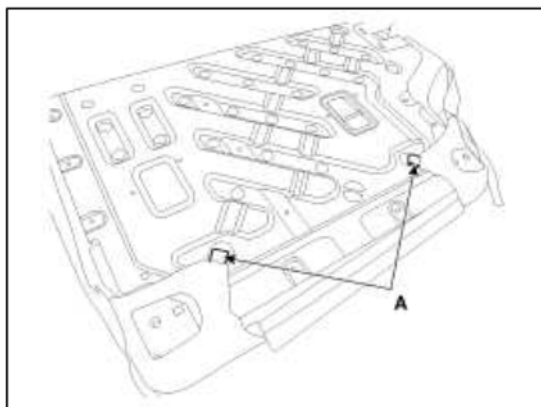
6. Using a long nose, remove the rock pin (B) and armrest (A).



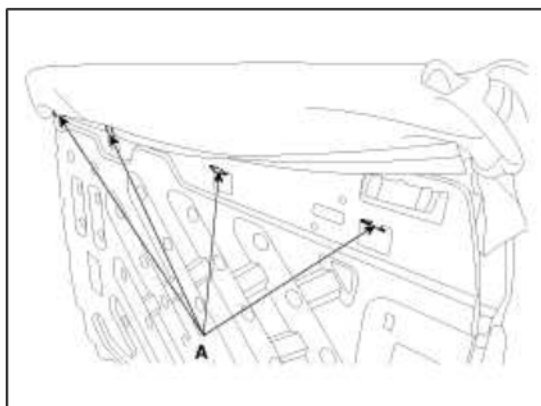
7. Zip off the seat back cover (A), and then full it up.



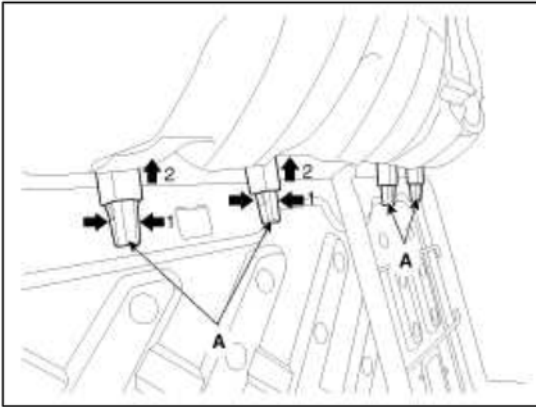
8. Disconnect the protector (A).



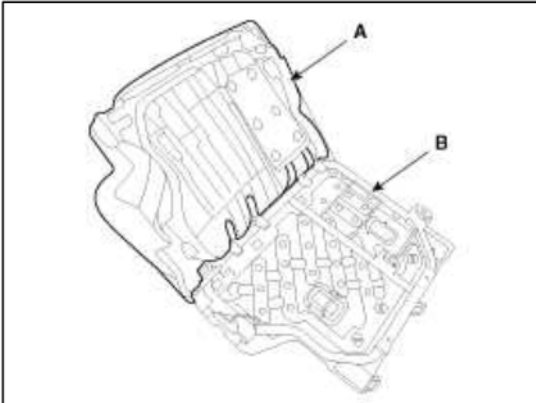
9. Disconnect the hooks (A).



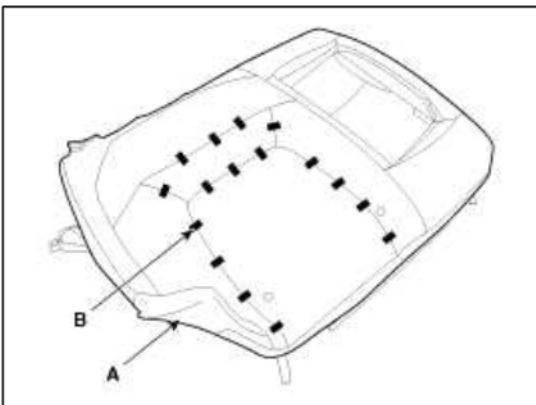
10. Pull out the headrest guides (A) while pinching the end of the guides, and remove them.



11. Remove the seat back cover (A) from the seat back frame (B).



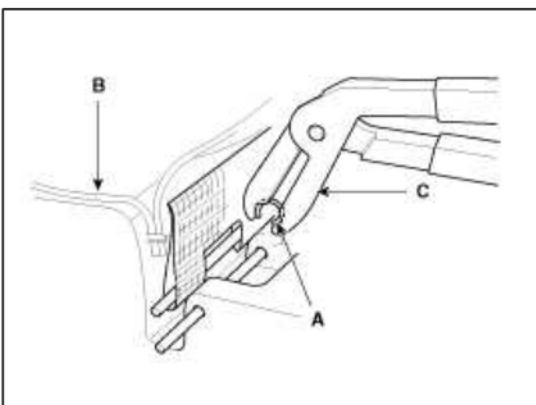
12. After removing the hog ring clips (B) on the rear of seat back, remove the seat back cover (A).



13. Installation is the reverse of removal.

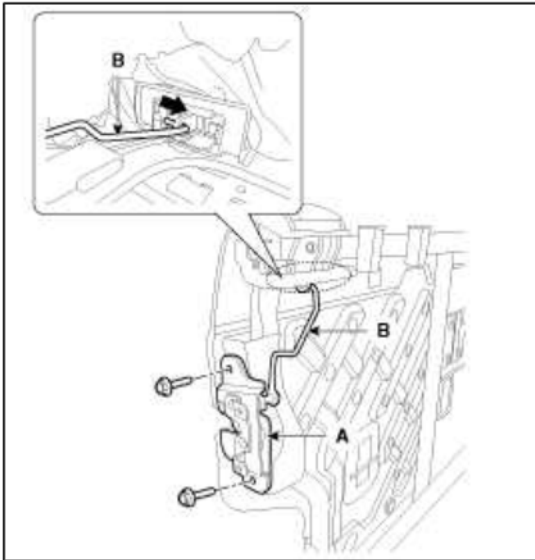
NOTE

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



Rear Seat Latch Replacement

1. Remove the seat back cover.
2. After loosening the mounting bolts and then disconnecting the rod (B).
3. Remove the rear seat latch (A).



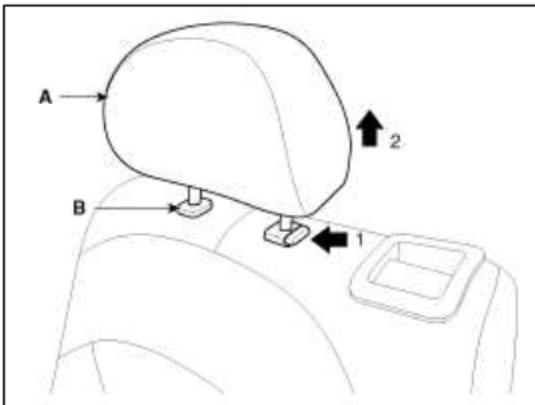
4. Installation is the reverse of removal.

Seat Back Cover Replacement [LH]

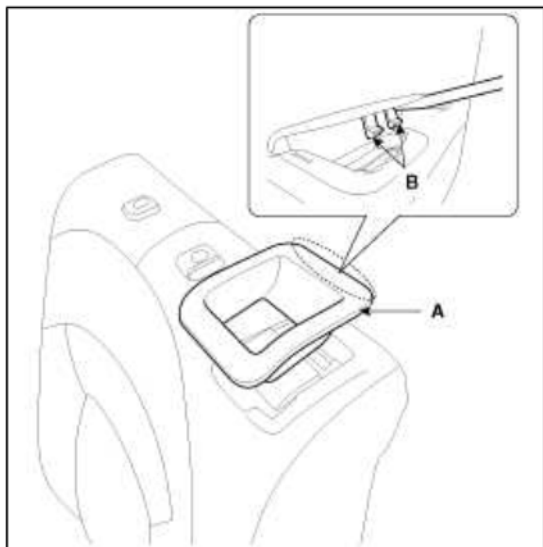
CAUTION

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

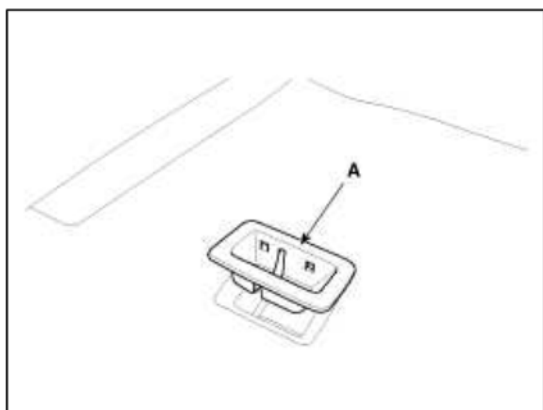
1. Remove the rear seat assembly.
2. Push the lock pin (B) and then remove the headrest (A).



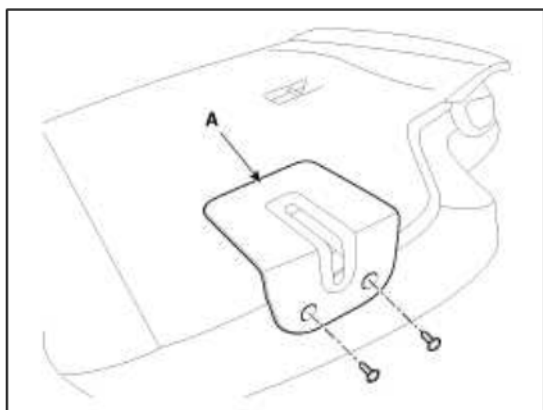
3. Push the hook (B) and then remove the upper bezel (A).



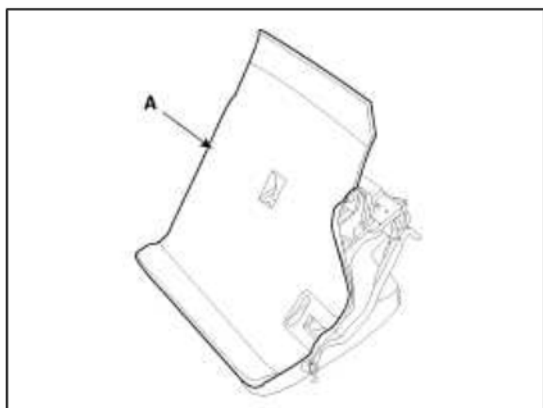
4. Using a screwdriver or remover, remove the tether anchor garnish (A).



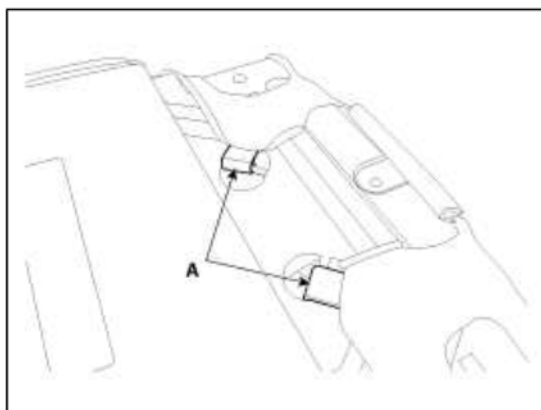
5. After loosening the mounting screws, then remove the latch cover (A).



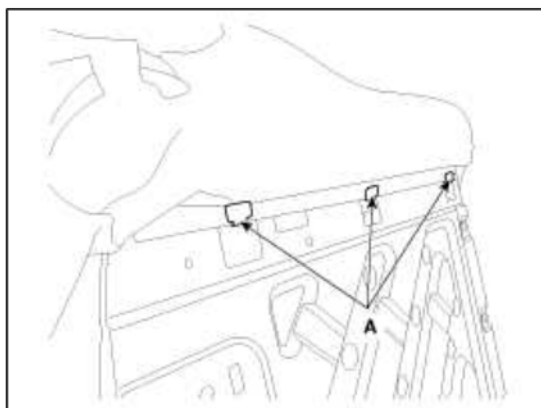
6. Zip off the seat back cover (A), and then full it up.



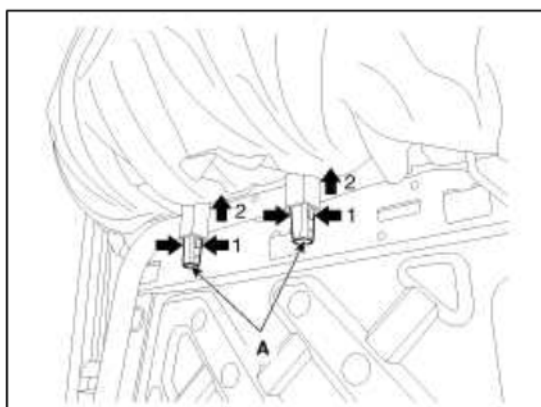
7. Disconnect the protector (A).



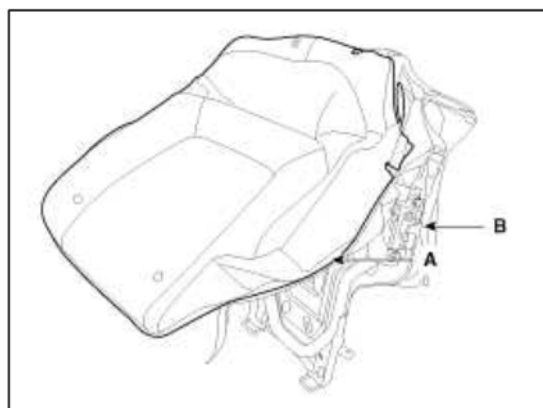
8. Disconnect the hooks (A).



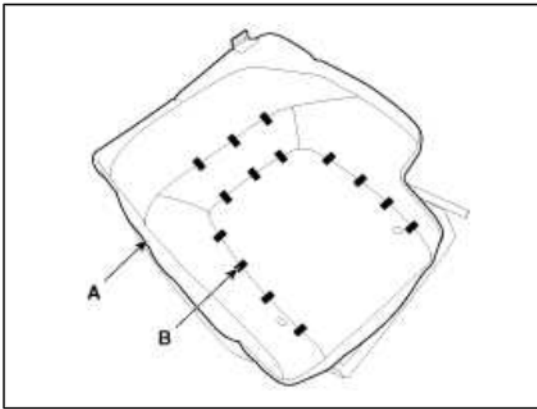
9. Pull out the headrest guides (A) while pinching the end of the guides, and remove them.



10. Remove the seat back cover (A) from the seat back frame (B).



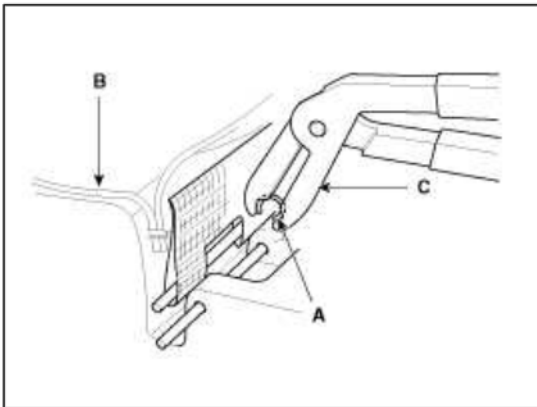
11. After removing the hog ring clips (B) on the rear of seat back, remove the seat back cover (A).



12. Installation is the reverse of removal.

NOTE

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

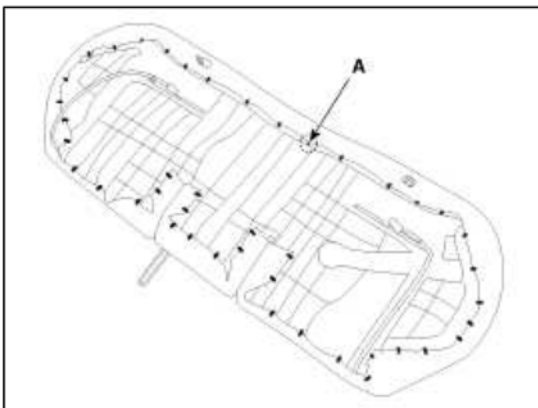


Rear Seat Cushion Cover Replacement

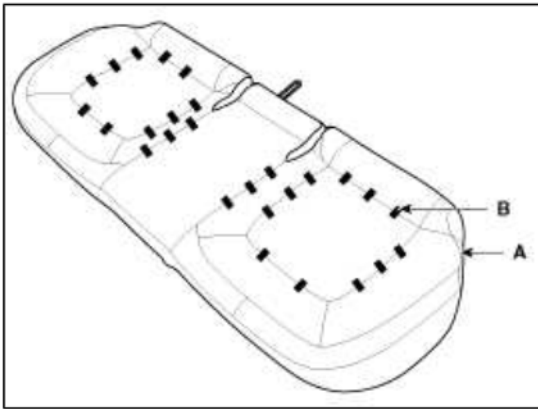
CAUTION

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

1. Remove the rear seat cushion.
2. Remove the hog ring clips (A).



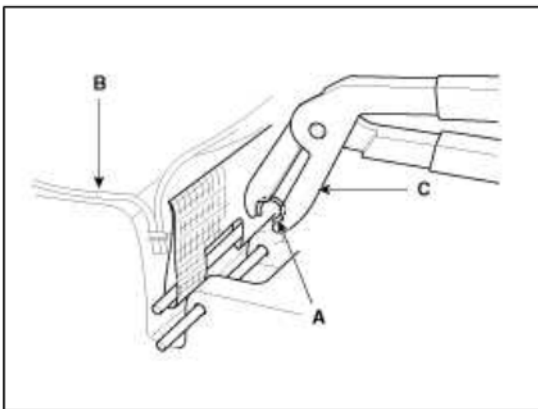
3. After removing the hog ring clips (B) on the rear of seat cushion, remove the seat cushion cover (A).



4. Installation is the reverse of removal.

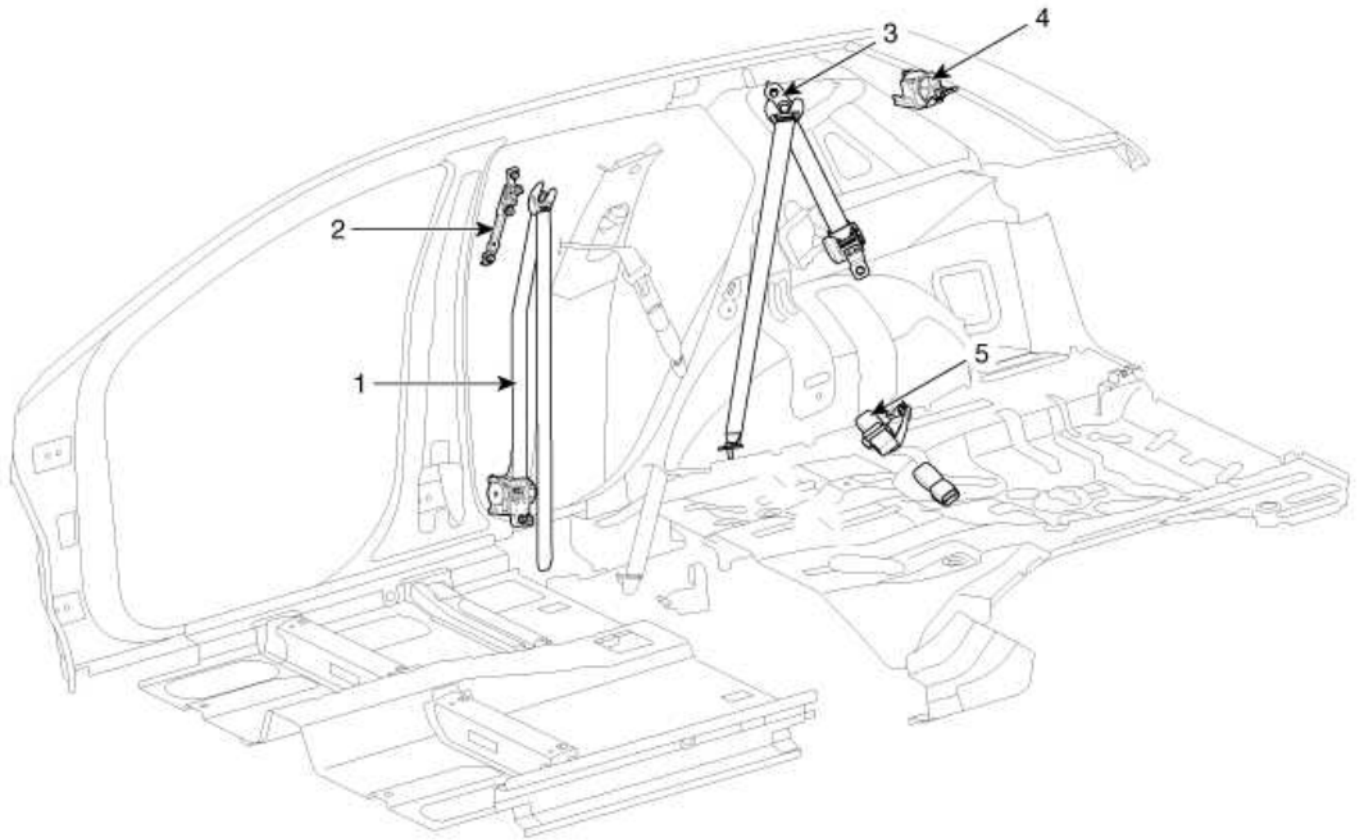
NOTE

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



Body (Interior and Exterior) > Seat Belt > Components and Components Location

Components



- | | |
|--------------------|-------------------|
| 1. Front seat belt | 4. Rear seat belt |
| 2. Height adjuster | [Center] |
| 3. Rear seat belt | 5. Rear seat belt |
| | buckle |

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

Replacement

Front Seat Belt Replacement

CAUTION

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

1. Remove the following items first :

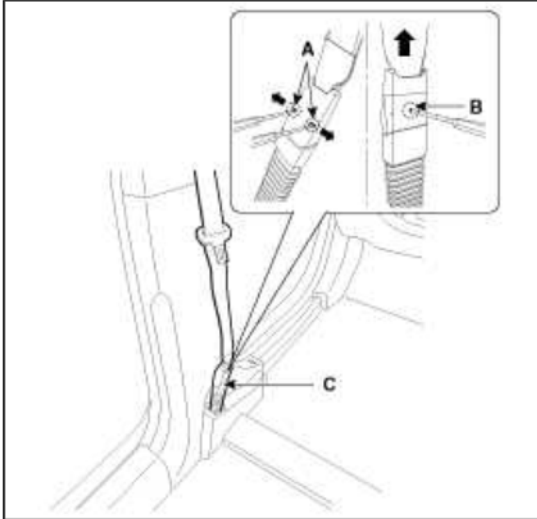
A. Front seat assembly

(Refer to the BD group - "Front Seat")

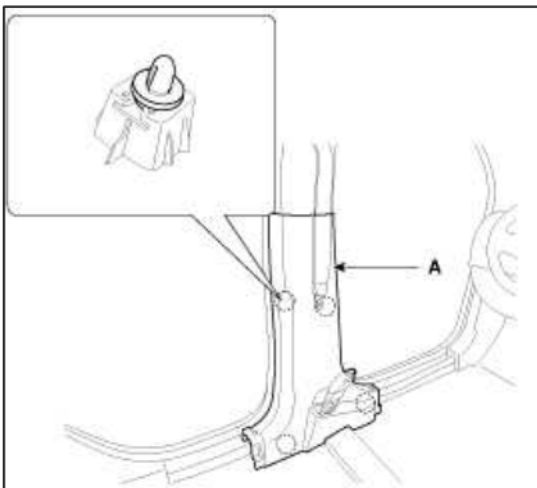
B. Front door scuff trim & Rear door scuff trim

(Refer to the BD group - "Interior Trim")

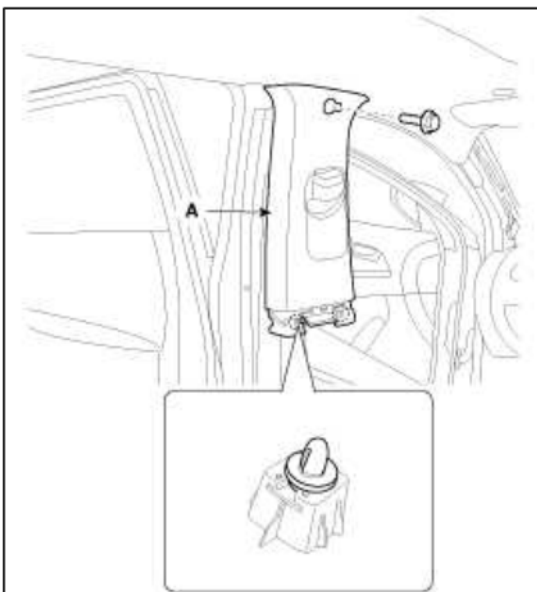
2. To remove the seat belt anchor pretensioner (C), keep on pushing the lock pins (A) as arrow direction. And then remove the seat belt after pushing the lock pin (B).



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



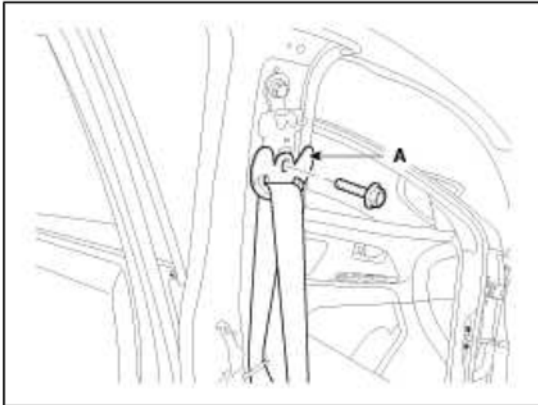
4. After loosening the mounting bolt, then remove the center pillar upper trim (A) .



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

Tightening torque :

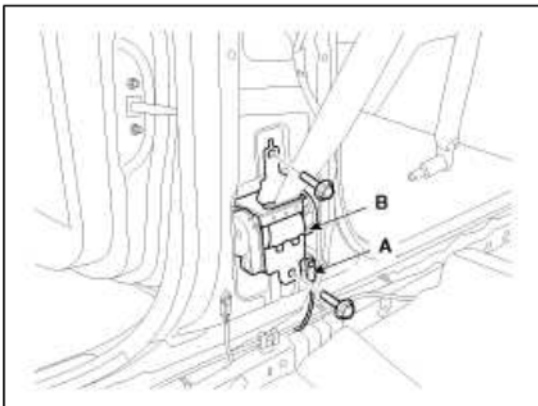
39.2 ~ 53.9 N.m (4.0 ~ 5.5 kgf.m, 28.9 ~ 39.8 lb-ft)



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

Tightening torque :

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



7. Installation is the reverse of removal.

Height Adjust Replacement

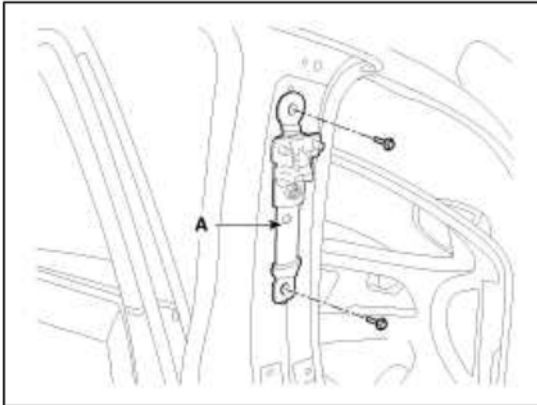
1. Remove the following items first :

- A. Front seat assembly
(Refer to the BD group – “Front Seat”).
- B. Front door scuff trim & Rear door scuff trim
(Refer to the BD group - "Interior Trim")
- C. Front seat belt lower anchor
- D. Center pillar lower trim
(Refer to the BD group - "Interior Trim")
- E. Center pillar upper trim
(Refer to the BD group - "Interior Trim")
- F. Front seat belt upper anchor

2. After loosening the bolts, then remove the height adjustor (A).

Tightening torque :

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



3. Installation is the reverse of removal.

NOTE

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

Front Seat Belt Buckle Replacement

1. Remove the following items first :

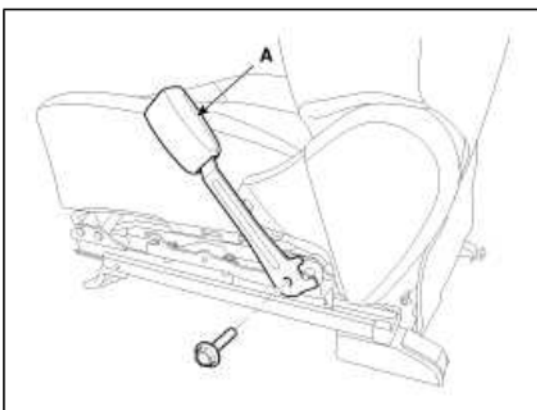
A. Front seat assembly

(Refer to the BD group - "Front Seat")

2. After loosening the mounting bolt, then remove the front seat belt buckle (A).

Tightening torque :

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



3. Installation is the reverse of removal.

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

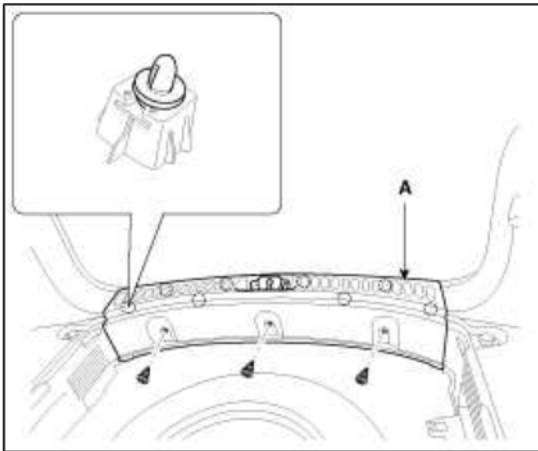
Replacement

Rear Seat Belt Replacement

CAUTION

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

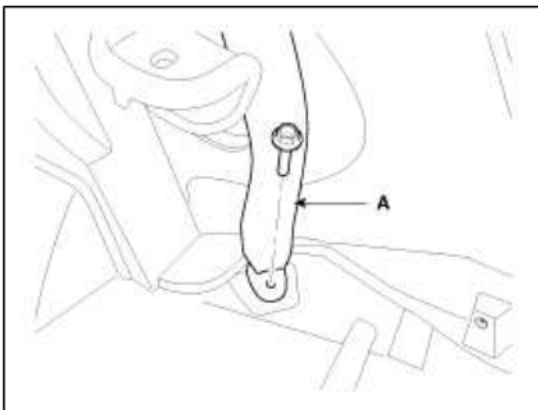
1. Remove the following items first.
 - A. Rear seat assembly
(Refer to the BD group - "Rear Seat")
 - B. Front door scuff trim & Rear door scuff trim
(Refer to the BD group - "Interior Trim")
2. Remove the clips and rear transverse trim (A).



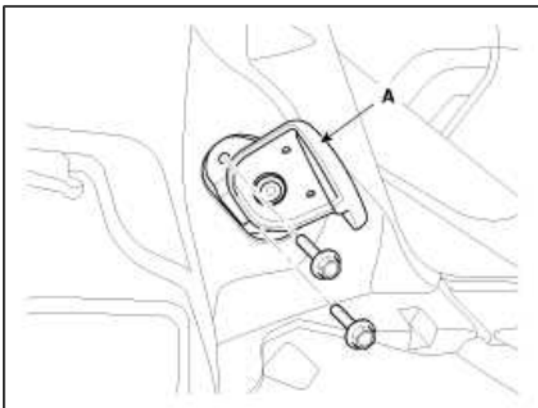
3. After loosening the mounting bolt, then remove the rear seat belt lower anchor (A).

Tightening torque :

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

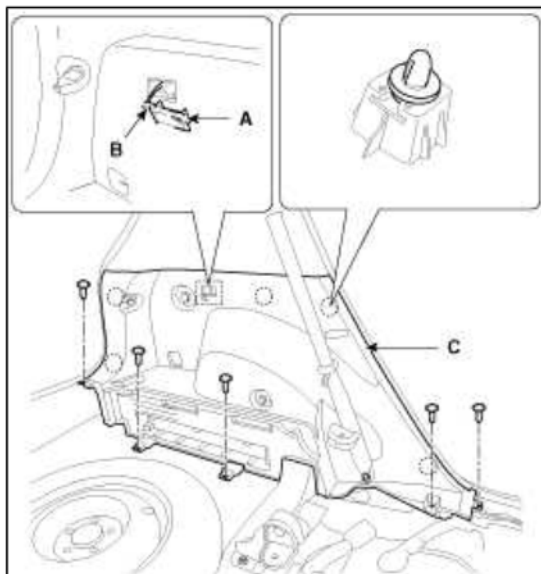


4. After loosening the mounting bolts, then remove the rear seat mounting bracket (A).

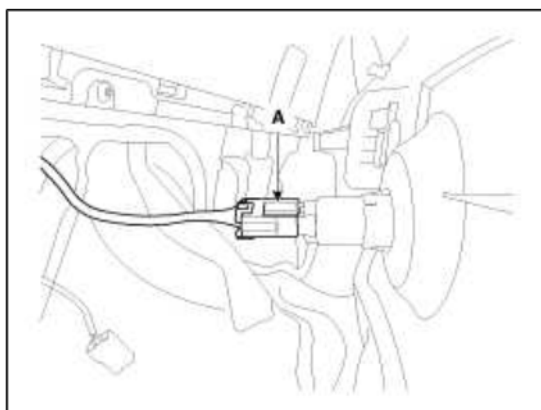


5. Using a screwdriver or remover, remove the lamp (A).
6. Disconnect the connector (B).

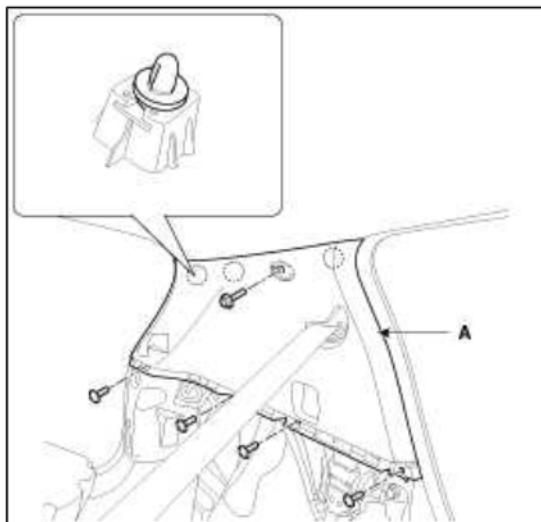
7. After loosening the mounting screws, then remove the luggage side trim (C).



8. Disconnect the connector (A).



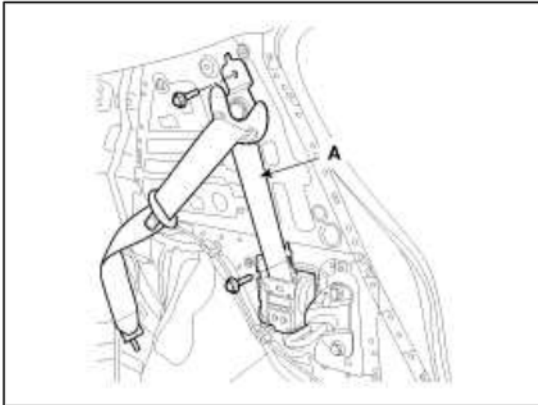
9. After loosening the mounting bolt and screws, then remove the rear pillar trim (A).



10. After loosening the mounting bolts, then remove the rear seat belt (A).

Tightening torque :

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



11. Installation is the reverse of removal.

NOTE

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

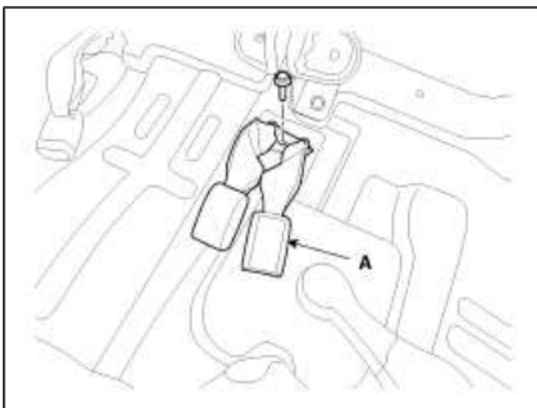
Rear Seat Belt Buckle Replacement

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

Tightening torque :

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

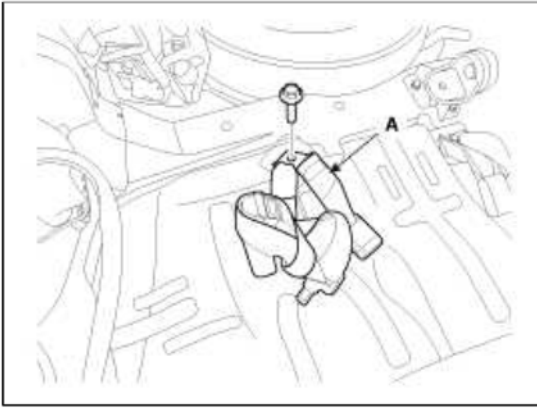
[LH]



[RH]

Tightening torque :

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



3. Installation is the reverse of removal.

