

BODY

BODY COLOR INFORMATION	BBE-2	ROOF MOLDING	BBE-61
COLOR CODE TABLE	BBE-2	REMOVAL AND INSTALLATION	BBE-61
FRONT BUMPER	BBE-3	SIDE STONE GUARD	BBE-64
REMOVAL AND INSTALLATION	BBE-3	REMOVAL AND INSTALLATION	BBE-64
HOOD	BBE-4	REAR SPOILER	BBE-65
BASIC CHECK	BBE-4	REMOVAL AND INSTALLATION	BBE-65
FRONT FENDER	BBE-5	TRIM AND GARNISH	BBE-66
REMOVAL AND INSTALLATION	BBE-5	REMOVAL AND INSTALLATION	BBE-66
HOOD LOCK CONTROL CABLE	BBE-7	ROOF HEADLINING	BBE-67
REMOVAL AND INSTALLATION	BBE-7	REMOVAL AND INSTALLATION	BBE-67
FRONT WINDSHIELD	BBE-10	BACK DOOR	BBE-70
REMOVAL AND INSTALLATION	BBE-10	BASIC CHECK	BBE-70
FRONT DOOR	BBE-16	REMOVAL AND INSTALLATION	BBE-71
BASIC CHECK	BBE-16	BACK DOOR WINDOW	BBE-75
REMOVAL AND INSTALLATION	BBE-17	REMOVAL AND INSTALLATION	BBE-75
GLASS ROOF	BBE-21	REAR BUMPER	BBE-81
REMOVAL AND INSTALLATION	BBE-21	REMOVAL AND INSTALLATION	BBE-81
SPEEDOMETER CABLE	BBE-28	FUEL TANK	BBE-82
REMOVAL AND INSTALLATION	BBE-28	REMOVAL AND INSTALLATION	BBE-82
INSTRUMENT PANEL	BBE-31	FUEL SUCTION PIPE	BBE-86
BASIC CHECK	BBE-31	REMOVAL AND INSTALLATION	BBE-86
REMOVAL AND INSTALLATION	BBE-31	EXHAUST PIPE	BBE-88
FRONT SEAT	BBE-34	REMOVAL AND INSTALLATION	BBE-88
REMOVAL AND INSTALLATION	BBE-34	TIGHTENING TORQUE	BBE-90
FRONT SEAT BELT	BBE-36		
BASIC CHECK	BBE-36		
REMOVAL AND INSTALLATION	BBE-36		
REAR SEAT	BBE-39		
REMOVAL AND INSTALLATION	BBE-39		
REAR SEAT BELT	BBE-41		
BASIC CHECK	BBE-41		
REMOVAL AND INSTALLATION	BBE-41		
REAR DOOR	BBE-43		
BASIC CHECK	BBE-43		
REMOVAL AND INSTALLATION	BBE-44		
REAR QUARTER WINDOW	BBE-48		
REMOVAL AND INSTALLATION	BBE-48		
FUEL LID	BBE-54		
REMOVAL AND INSTALLATION	BBE-54		
FUEL LID OPENER CONTROL			
CABLE	BBE-57		
REMOVAL AND INSTALLATION	BBE-57		

BBE

BBE-2

1 BODY COLOR INFORMATION

1-1 COLOR CODE TABLE

Body Color name	Color code
White	W09
Silver Metallic	S07
Black mica	N05
Red	R29
Blue mica Metallic	B50
Jade green Metallic	G31

Body Color name	Daihatsu	AKZO	DUPONT	GLASURIT	ICI AUTO COLOR	SPIES HECKER	STANDOX
White	W09	DAHW09	K9344	DAI-W09	XM48	16461	W09
Silver Metallic	S07	DAHS07	L8842	DAI-S07	B127B	97076	S07
Black mica	N05	DAHN05	M5554	DAI-N05	VRP1B	75683	N05
Red	R29	DAHR29	F7986	DAI-R29	MXR4	34453	R29
Blue mica Metallic	B50	DAHB50	M6981	DAI-B50	WVF5B	69136	B50
Jade green Metallic	G31	DAHG31	F5146	DAI-G31	NMH2B	65649	G31

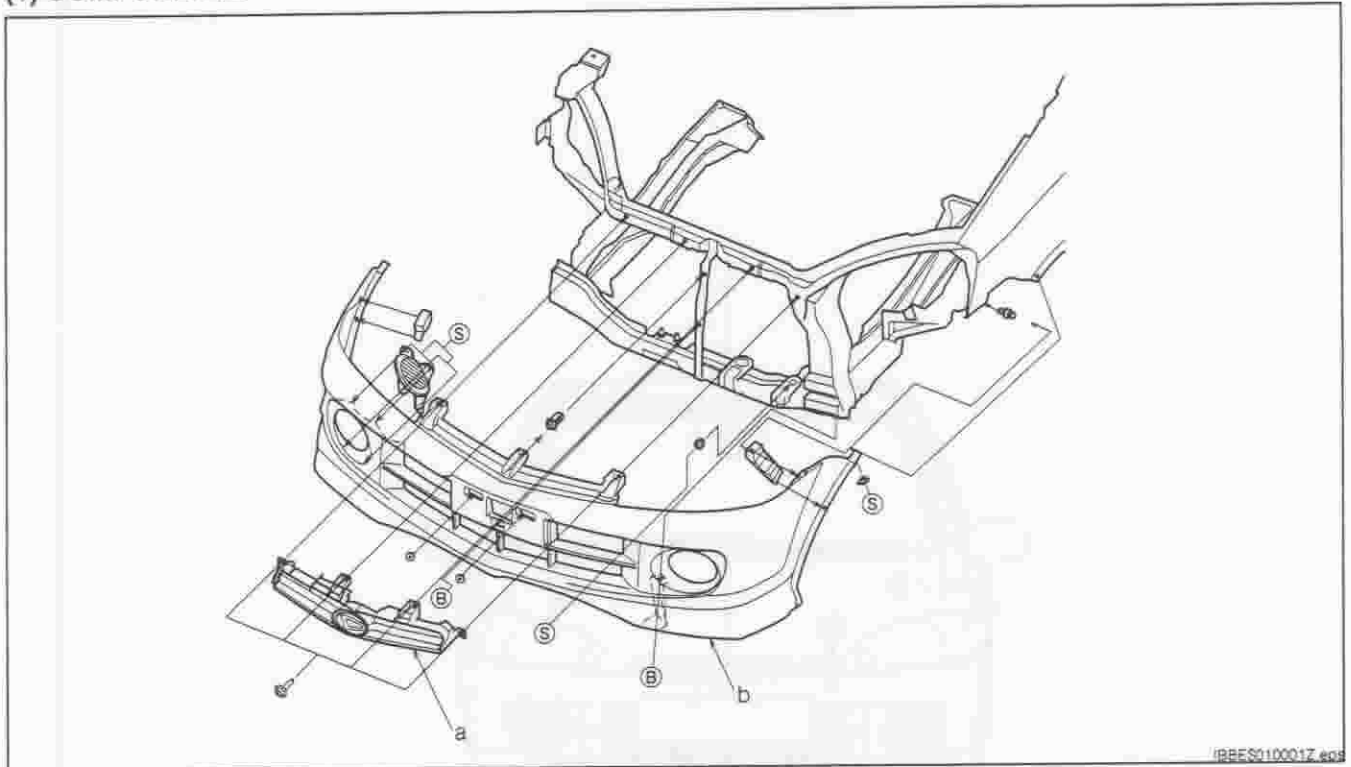
BBE-BC-N-Z-00001

2 FRONT BUMPER

2-1 REMOVAL AND INSTALLATION

2-1-1 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 2 a Grille Ay, radiator
- 2 1 b Cover, front bumper

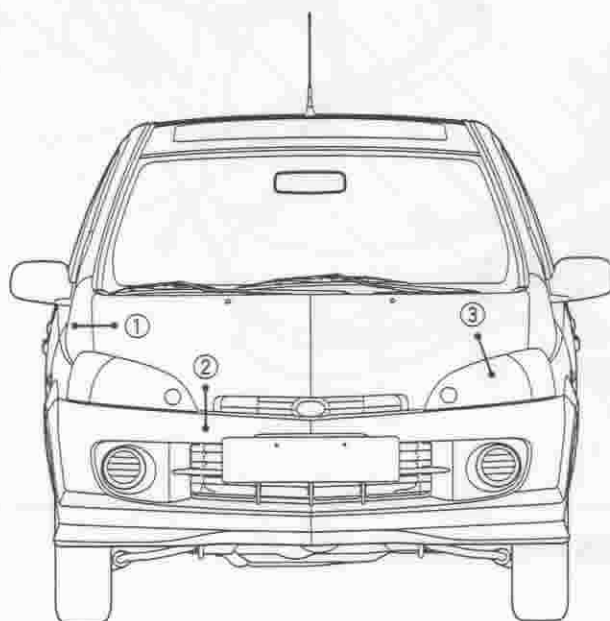
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BBE-4

3 HOOD

3-1 BASIC CHECK

3-1-1 CHECK OF DOOR GAP



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Measuring point	Specified gap	Stagger	Difference between right and left sides	Deviation value
① : Hood X Fender	3.3 ± 1.5	0 ± 1.5	Not to exceed 1.5	Not to exceed 1.5
② : Front bumper X Hood	8.5 ± 1.5	-	-	-
③ : Head lamp X Hood	5.6 ± 1.5	1.3 ± 1.5	-	-

Unit : mm

BBE-HOD-I-G-00001

4 FRONT FENDER

4-1 REMOVAL AND INSTALLATION

4-1-1 PREPARATION TOOLS

Gauge	Torque wrench
Lubricant	MP Grease

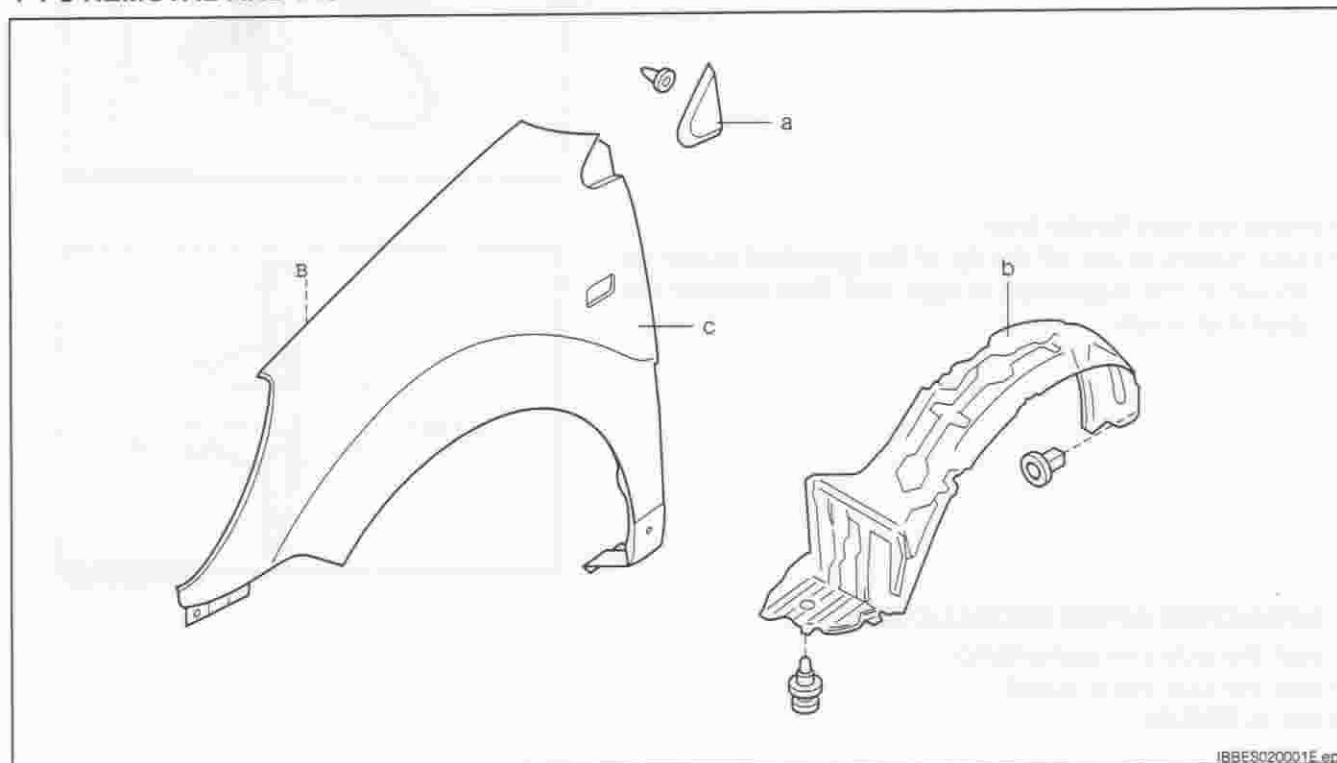
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4-1-2 OPERATION BEFORE REMOVAL

1. Remove the front bumper cover.
Refer to BBE-3.
2. Remove the side stone guard.
Refer to BBE-64.
3. Remove the side turn signal lamp.

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4-1-3 REMOVAL AND INSTALLATION PROCEDURES



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- ① 3 a Garnish, front pillar lower
- ② 2 b Liner, front fender
- 3 1 c Fender S/A, front

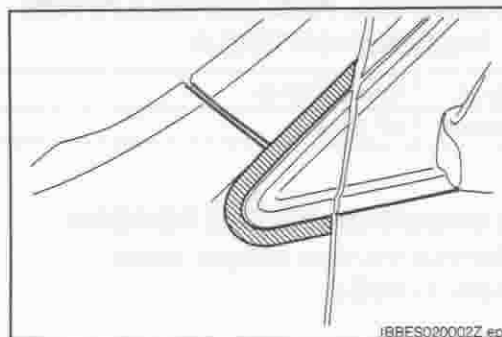
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BBE-6

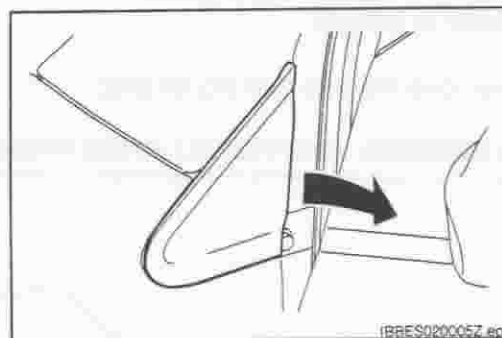
4-1-4 POINTS OF REMOVAL

1. Removal of front pillar lower garnish

- (1) Apply protective tape to prevent scratches around the garnish.

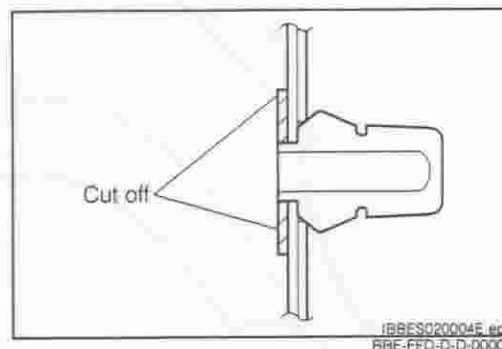


- (2) Open the door and remove the garnish from the door side.



2. Remove the front fender liner.

- (1) Use cutters to cut off the lip of the grommet screw as shown in the illustration at right and then remove the grommet screw.



4-1-5 OPERATION AFTER INSTALLATION

1. Install the side turn signal lamp.
2. Install the side stone guard.
Refer to BBE-64.
3. Install the front bumper cover.
Refer to BBE-3.

BBE-FFD-D-A-00001

5 HOOD LOCK CONTROL CABLE

5-1 REMOVAL AND INSTALLATION

5-1-1 OPERATION BEFORE REMOVAL

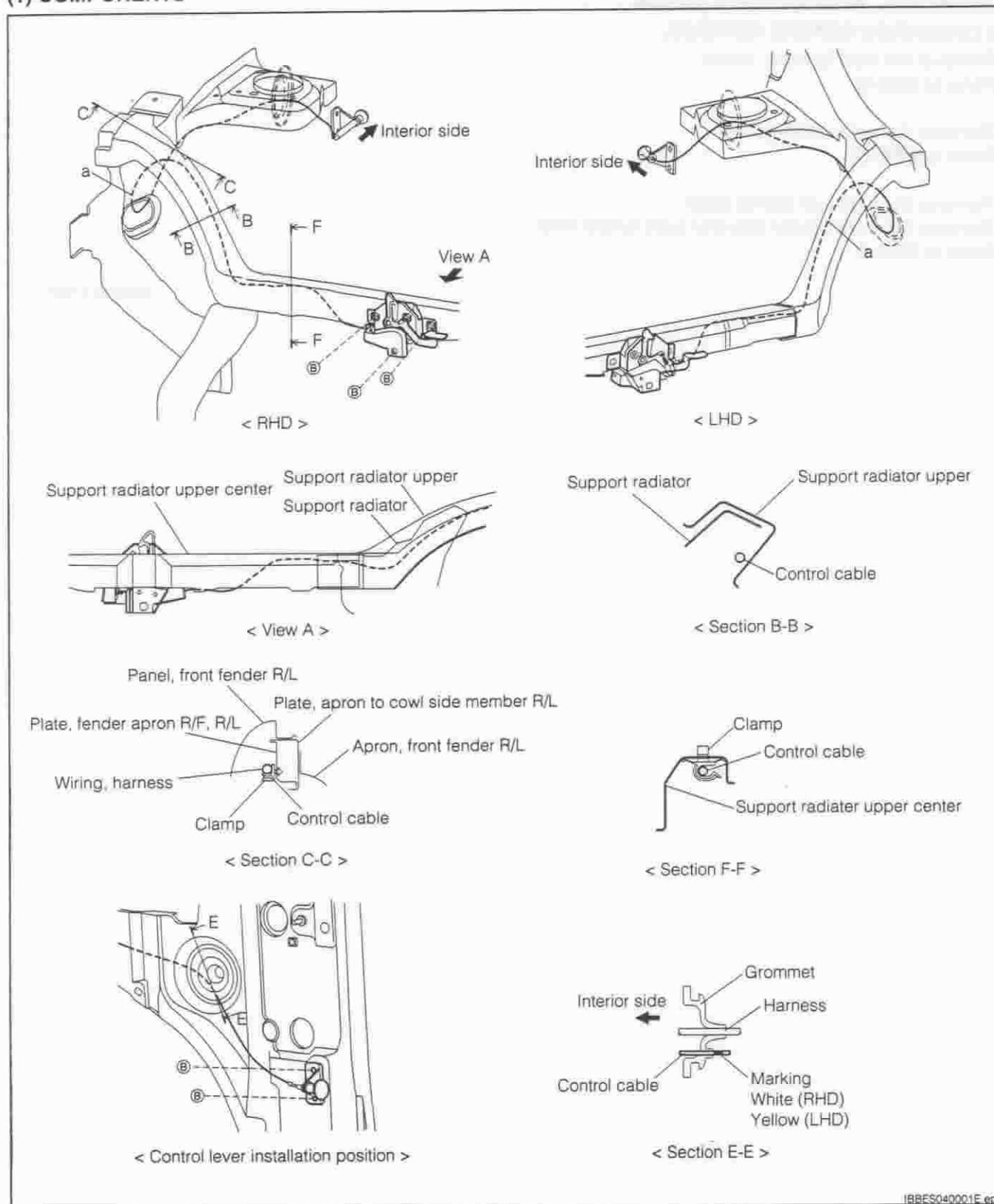
1. Remove the front bumper cover.
Refer to BBE-3.
2. Remove the side stone guard.
Refer to BBE-64.
3. Remove the side turn signal lamp.
4. Remove the front fender S/A and front fender liner.
Refer to BBE-5.

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BBE-8

5-1-2 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

1 1 a Cable Ay, hood lock control

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5-1-3 OPERATION AFTER INSTALLATION

1. Install the front fender S/A and front fender liner.
Refer to BBE-5.
2. Install the side turn signal lamp.
3. Install the side stone guard.
Refer to BBE-64.
4. Install the front bumper cover.
Refer to BBE-3.

BBE-HLC-D-A-00001



BBE-10

6 FRONT WINDSHIELD

6-1 REMOVAL AND INSTALLATION

6-1-1 PREPARATION TOOLS

	Name
Tool	Sealant gun
	Wooden block or Bias clip
	Knife
	Rubber suction cups
Adhesive	Adhesive, Primer M, Primer G
Others	Protective tape, Piano wire

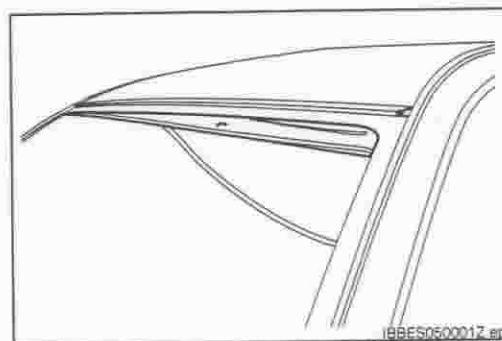
(1) ADHESIVE HANDLING PRECAUTIONS

- (1) Store in a cool, dark location.
- (2) Do not reuse adhesive and primer that have been used once.
- (3) When storing in a low-temperature location, warm up the material before use.
- (4) Keep away from fire and hot objects.

BBE-FWS-D-P-00001

6-1-2 OPERATION BEFORE REMOVAL

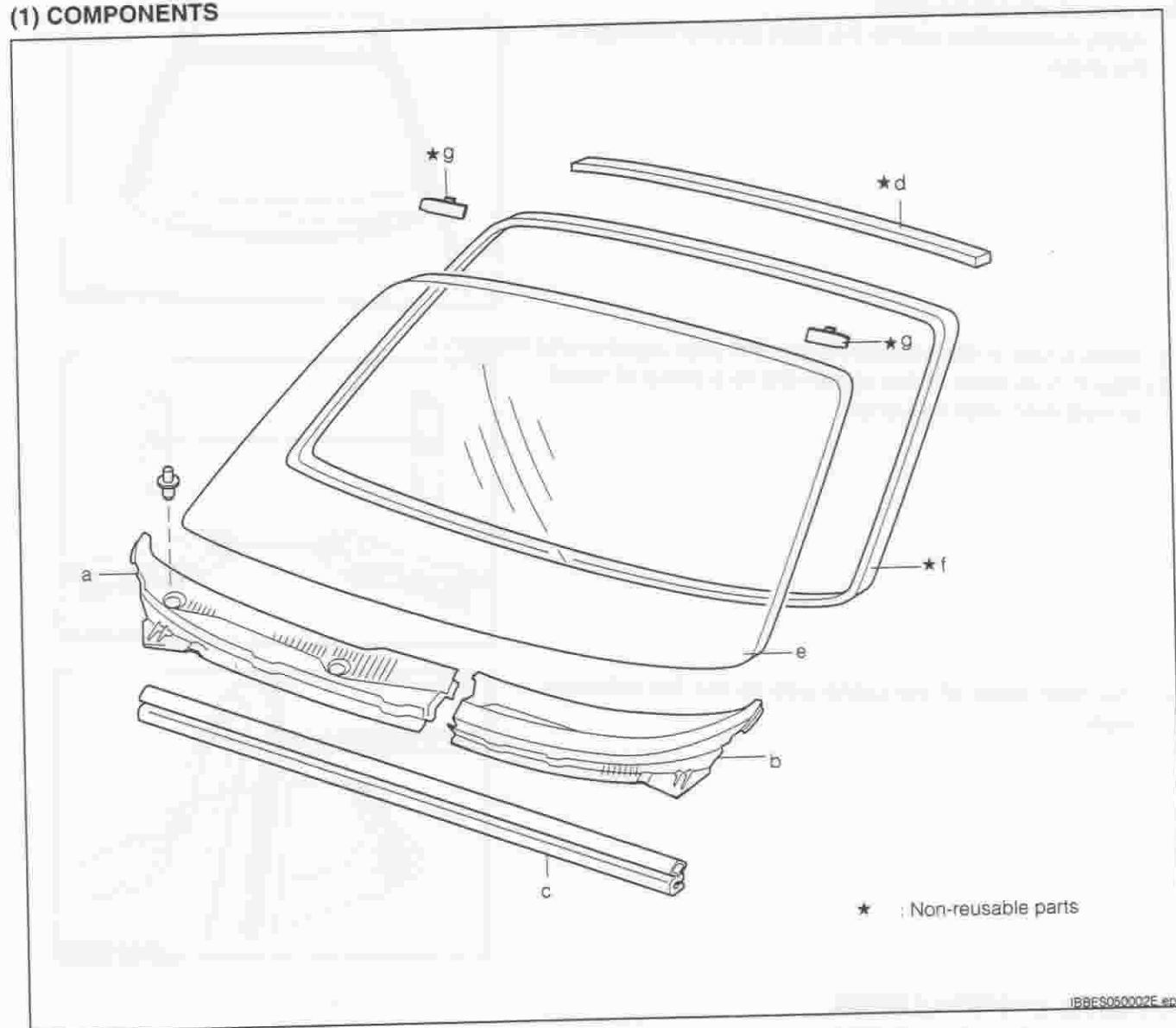
1. Remove the front wiper. Ay.
2. Remove the roof molding.
Refer to BBE-62.
3. Remove the front pillar garnish.
Refer to BBE-66.
4. Remove the inner rear view mirror.
5. Remove the room lamp.
6. Remove the sun visors.
7. Remove the assist grip (front side).
8. Remove the sun roof opening trim molding.
9. Lower the front edge of the roof headlining to prevent it from being scratched while working.



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6-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 7 a Cover, windshield, right
- 2 6 b Cover, windshield, left
- 3 5 c Weather strip, hood to cowl top
- 4 ④ d Molding, windshield outside
- ⑤ ③ e Glass, windshield

- 6 ② f Dam, windshield glass
- 7 ① g Stopper, windshield glass

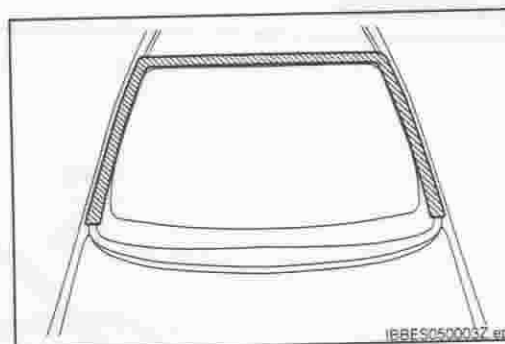
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BBE-12

6-1-4 POINTS OF REMOVAL

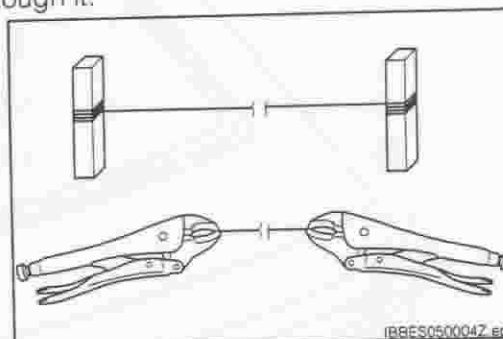
1. Removal of windshield glass

- (1) Apply a protective seal to the body around the edge of the glass.

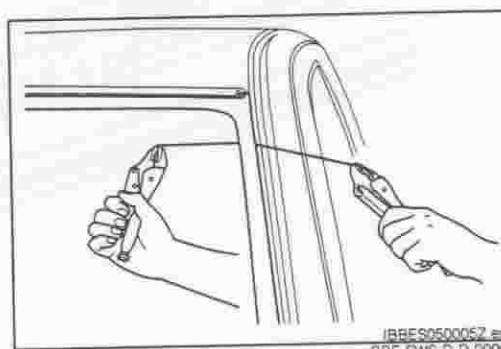


- (2) Make a hole in the adhesive layer and pass a piano wire through it.

- (3) Attach both ends of the piano wire to a piece of wood or hold them with vise grips.



- (4) Pull both ends of the piano wire to cut the adhesive layer.



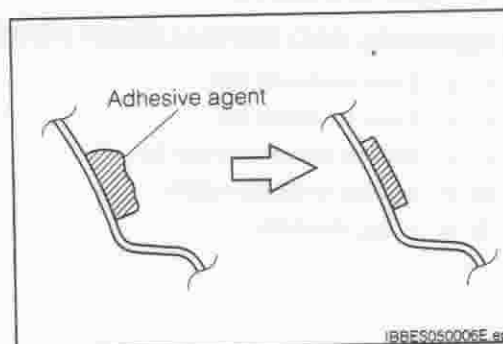
6-1-5 POINTS OF INSTALLATION

1. Installation of windshield glass

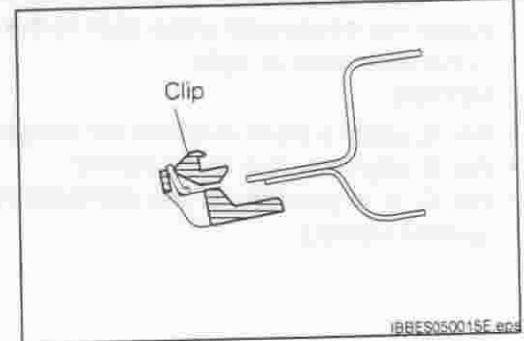
- (1) Use a knife to smooth the cut adhesive layers on the body side and glass side.

CAUTION

- Degrease the knife.
- Leave a little of the adhesive layer.



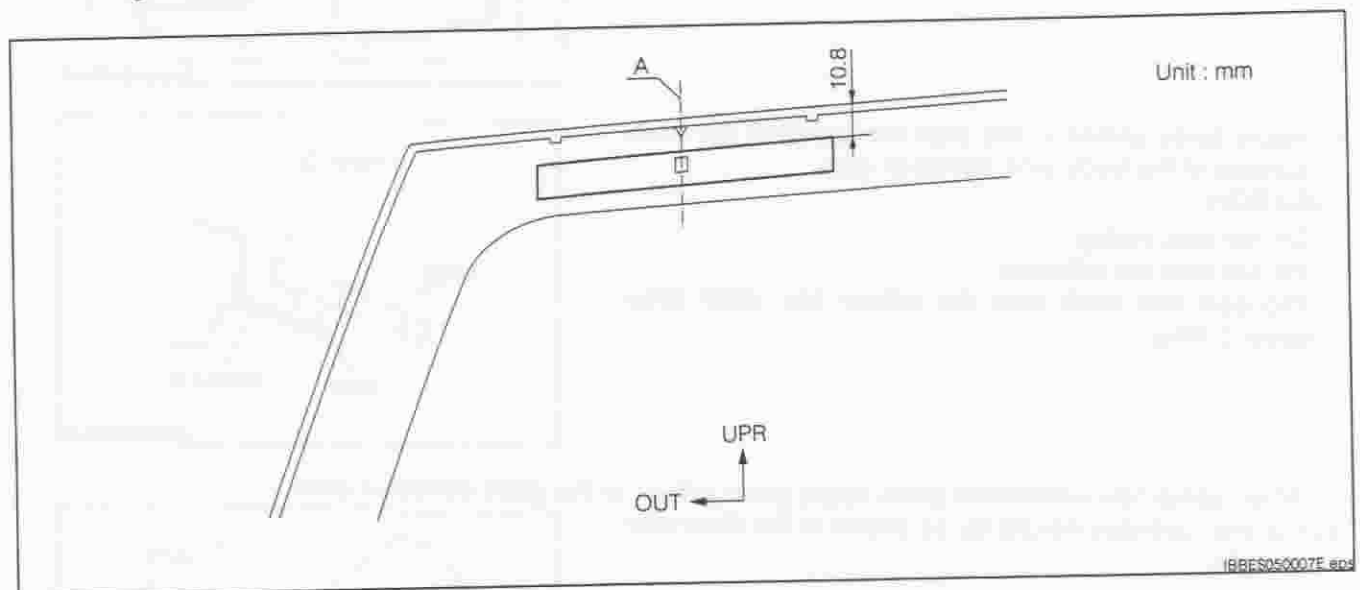
- (2) Attach repair clips (for vehicles) to the roof front edge and window positioning hole.



- (3) Apply repair clips (for glass) to the position shown in the following illustration.

CAUTION

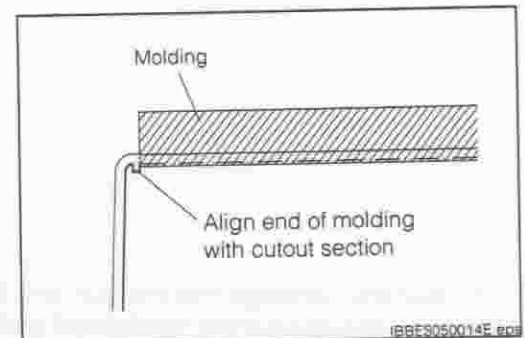
- Align the center of the clips with the windshield notched area.



- (4) For glass roof vehicles, attach windshield outside molding to the windshield ahead of time.

CAUTION

- Attach the windshield outside molding using the inner side notch of the ceramic applied to the windshield as a reference.

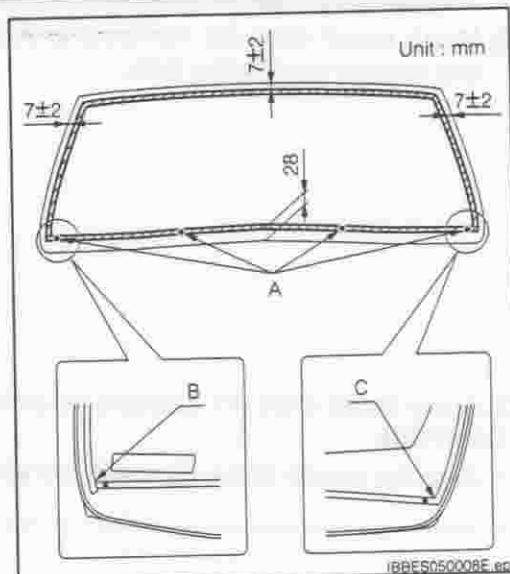


BBE-14

- (5) Apply the windshield glass dam to the position shown in the illustration at right.

CAUTION

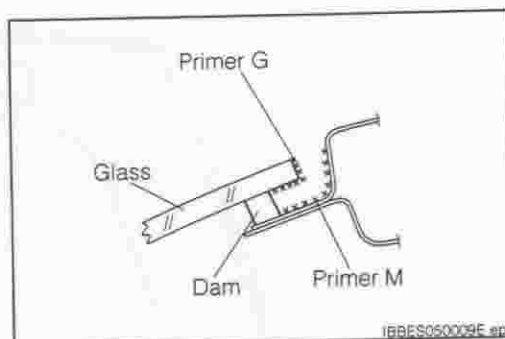
- For A, apply a blank mark on the straight line.
- For B, align the dam to the corner.
- For C, it is possible at the minimum R. (However, no harmful bends.)



- (6) Apply body primer to the exposed areas of the body surface of the body side adhesion area.

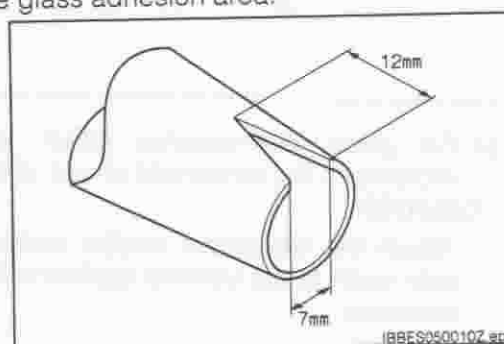
CAUTION

- Do not coat thickly.
- Do not coat the adhesive.
- Proceed with work after the primer has dried (after about 3 min).



- (7) When using new windshield glass, apply glass primer to the glass adhesion area.

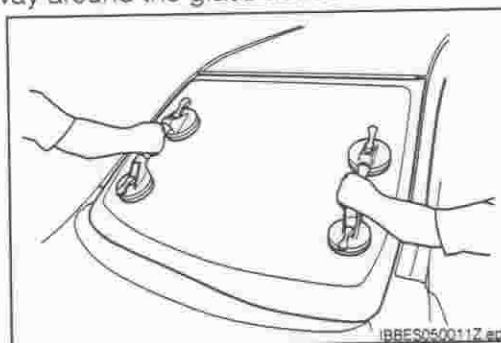
- (8) Cut the cartridge nozzle tip as shown in the illustration at right.



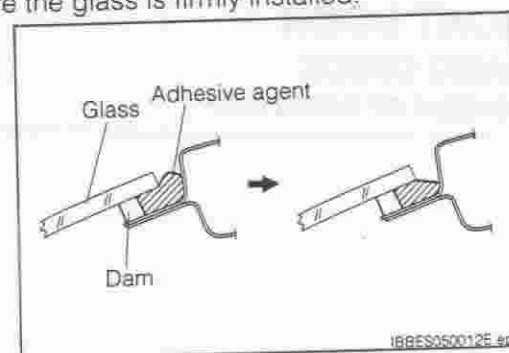
- (9) Load the cartridge into the gun and apply adhesive all the way around the glass adhesion area.
- (10) Insert the positioning windshield glass stopper into the body hook and then use rubber suction cups to install the glass.

CAUTION

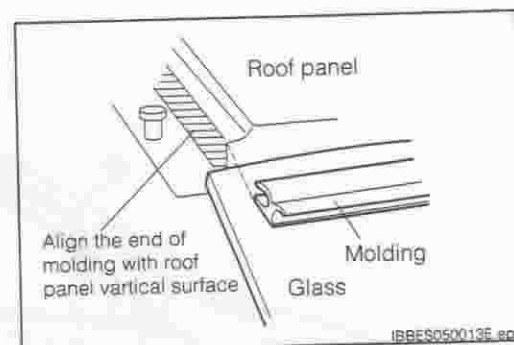
- Continue working after the primer has dried (after about 3 min).
- Apply a good amount of adhesive to the corners.
- After applying the adhesive, immediately install the windshield glass.



- (11) Push lightly over the entire surface of the glass to make sure the glass is firmly installed.
 (12) Use a spatula to take care of the adhesive that is seeping out around the edge of the glass.



- (13) For standard roof vehicles, install the windshield outside molding before the adhesive hardens.



- (14) Check for water leaks after the adhesive has hardened.

NOTE

- If water leaks are found, reinstall the glass.
- Refer to the seal set instruction manual for information regarding the adhesive's minimum drying time.

CAUTION

- When moving the vehicle after the glass is installed, make sure the glass does not move.

BBE-FWS-D-S-00001

6-1-6 OPERATION AFTER INSTALLATION

1. Install the front pillar garnish.
Refer to BBE-66.
2. Install the inner rear view mirror.
3. Install the room lamp.
4. Install the sun visors.
5. Install the assist grips.
6. Install the sun roof opening trim molding.
7. Install the roof molding.
Refer to BBE-62.
8. Install the front wiper Ay.

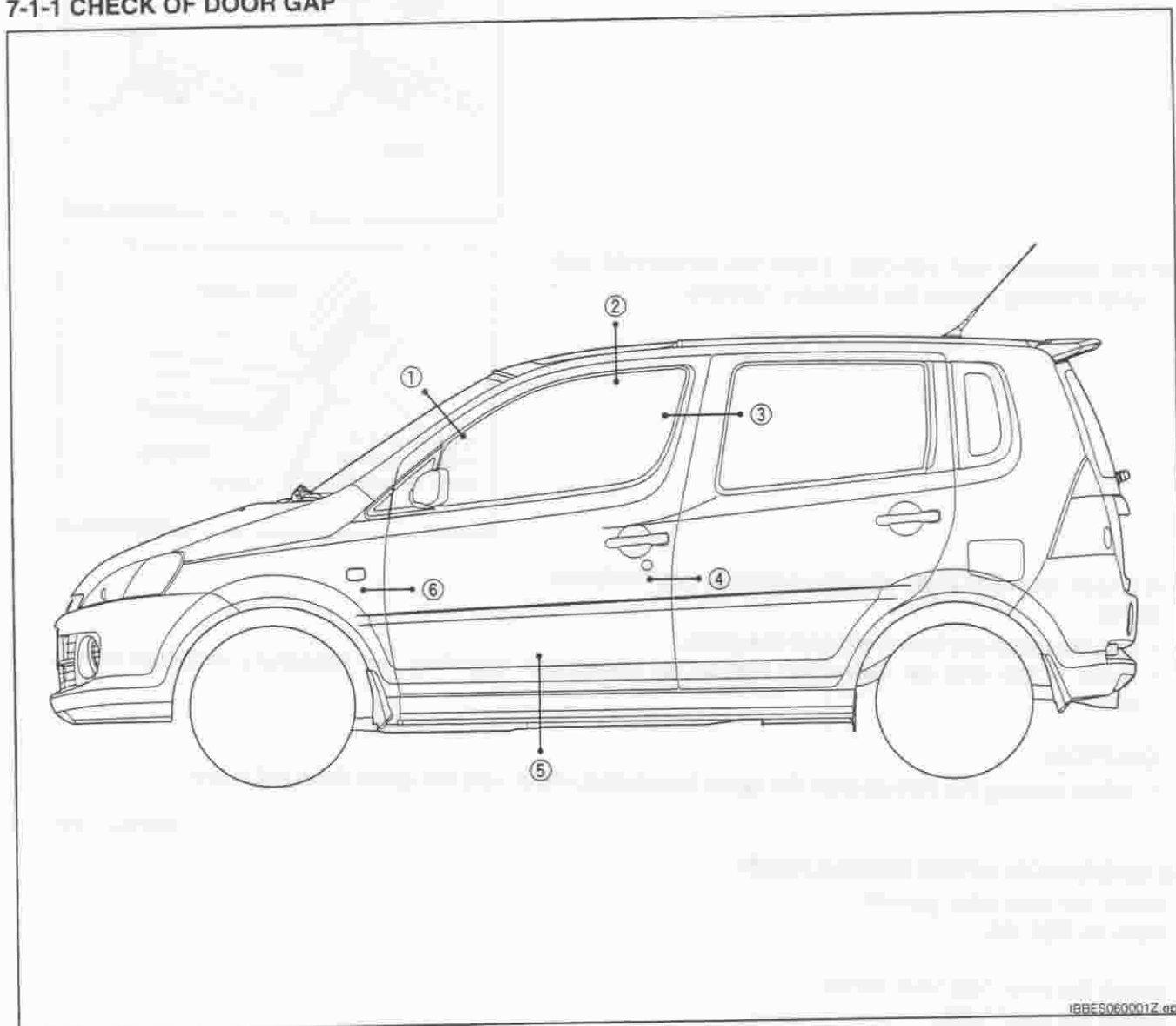
BBE-FWS-D-A-00001

BBE-16

7 FRONT DOOR

7-1 BASIC CHECK

7-1-1 CHECK OF DOOR GAP



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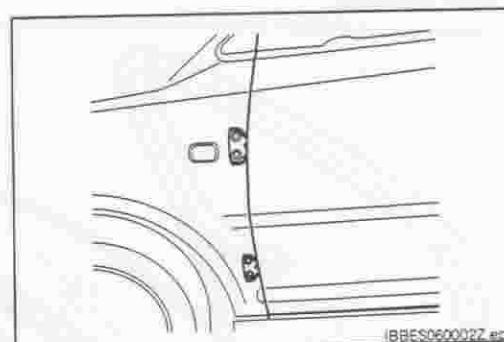
Measuring point	Specified gap	Stagger	Difference between right and left sides	Deviation value
① : Side outer panel X Front door frame	4.8 ± 1.5	1.0 ± 1.5	-	Not to exceed 1.5
② : Side outer panel X Front door frame	4.5 ± 1.5	1.1 ± 1.5	-	Not to exceed 1.5
③ : Front door frame X Rear door frame	4.3 ± 1.5	0 ± 1.5	-	Not to exceed 1.5
④ : Front door panel X Rear door panel	4.3 ± 1.5	0 ± 1.5	-	Not to exceed 1.5
⑤ : Front door panel X Rocker panel	5.5 ± 1.5	-	-	Not to exceed 2.0
⑥ : Fender X Front door panel	4 ± 1.5	0 ± 1.5	-	Not to exceed 1.5

Unit : mm

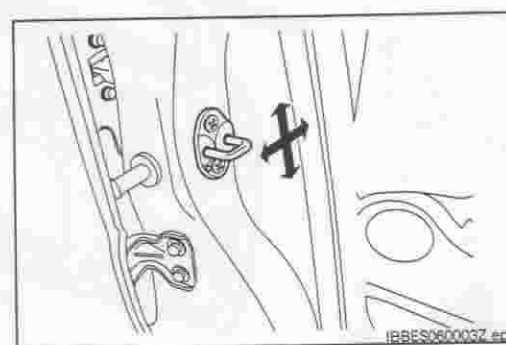
BBE-FDR-I-G-00001

7-1-2 DOOR GAP ADJUSTMENT

1. Door mount adjustment
 - (1) Loosen the bolts holding the body side hinge and adjust the door mount.



2. Door lock striker adjustment
 - (1) Make sure the door mount and lock are installed correctly.
 - (2) Loosen the bolts holding the lock striker.
 - (3) Use a plastic hammer and adjust the lock striker position.



CAUTION

- If there is protective tape or paint on the lock striker, be careful not to scratch it.

BBE-FDR-I-J-00001

7-2 REMOVAL AND INSTALLATION

7-2-1 PREPARATION TOOLS

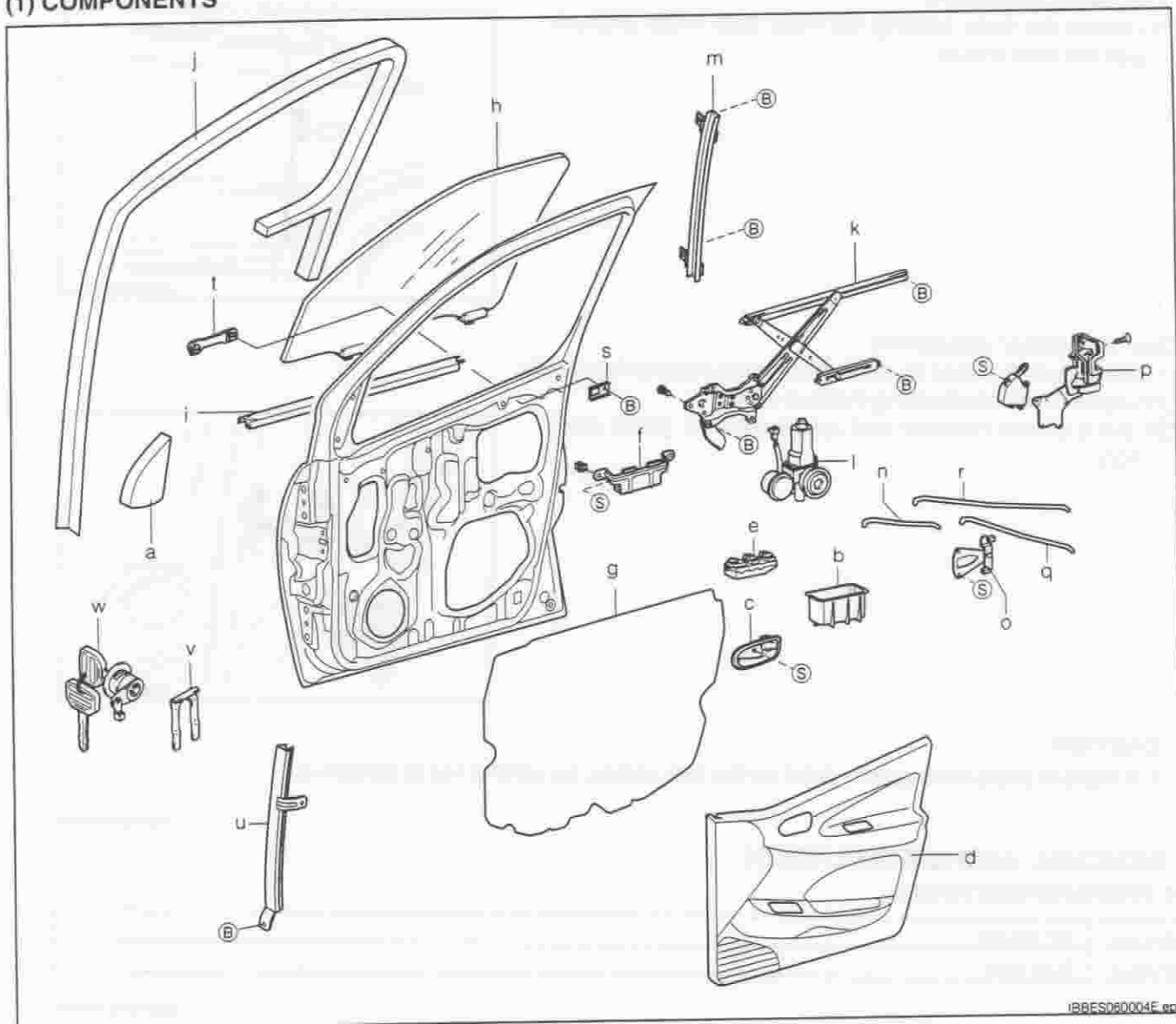
Lubricant	MP Grease
Adhesive	Butyl tape

BBE-FDR-D-P-00001

BBE-18

7-2-2 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



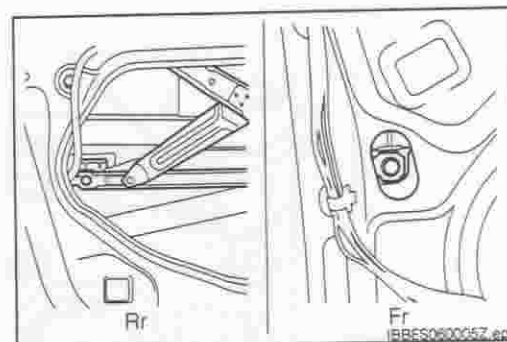
(2) REMOVAL AND INSTALLATION PROCEDURES

- | | | | | | | | |
|----|----|---|--|----|----|---|--------------------------------------|
| 1 | 23 | a | Garnish, front door lower frame bracket | 13 | 11 | m | Frame S/A, front door, rear lower |
| 2 | 22 | b | Handle, door pull | 14 | 10 | n | Link, front door inside locking No.1 |
| 3 | 21 | c | Handle S/A, front door inside | 15 | 9 | o | Control Ay, front door lock remote |
| 4 | 20 | d | Panel S/A, front door trim | 16 | 8 | p | Lock, front door |
| 5 | 19 | e | Master switch Ay, power window regulator | 17 | 7 | q | Motor Ay, door ccontrol, front |
| 6 | 18 | f | Bracket, door trim No.1 | 18 | 6 | r | Link, front door open control |
| 7 | 17 | g | Cover, front door service hole | 19 | 5 | s | Link, front door inside locking |
| 8 | 16 | h | Glass S/A, front door glass | 20 | 4 | t | Handle Ay, front door outside |
| 9 | 15 | i | Weather strip, front door glass, outer | 21 | 3 | u | Frame S/A, front door, front lower |
| 10 | 14 | j | Run, front door glass | 22 | 2 | v | Retainer, lock cylinder |
| 11 | 13 | k | Regulator S/A, front door window | 23 | 1 | w | Cylinder and key set, door lock |
| 12 | 12 | l | Motor Ay, power window regulator, front | | | | |

BBE-FDR-D-T-00001

7-2-3 POINTS OF REMOVAL

1. Removal of front door glass
 - (1) Install the power window regulator switch in the door.
 - (2) Operate the power window until the front door glass S/A is in the position shown in the illustration at right.



- (3) Remove the front door glass S/A.

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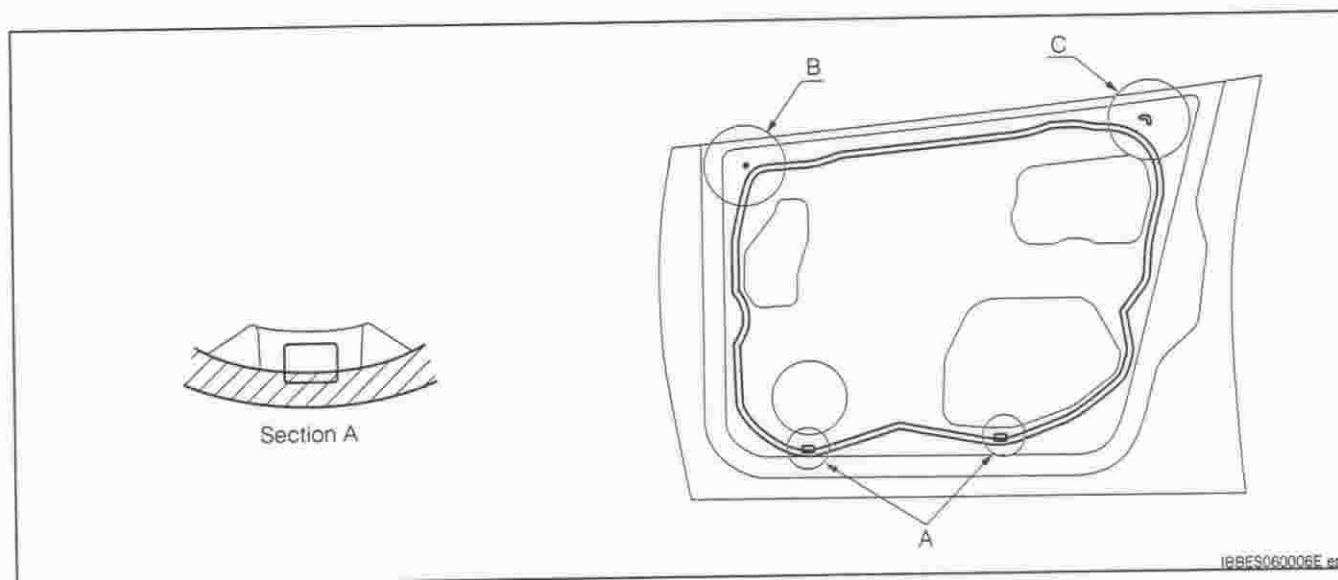
7-2-4 POINTS OF INSTALLATION

1. Installation of front door service hole cover
 - (1) Apply butyl tape without stretching it along the panel groove in the position shown in the following illustration.

CAUTION

- For Area A, cover the bottom edge of the hole with butyl tape.
- Slope the butyl path facing the hole and apply it so that the hole center is at the lowest point.

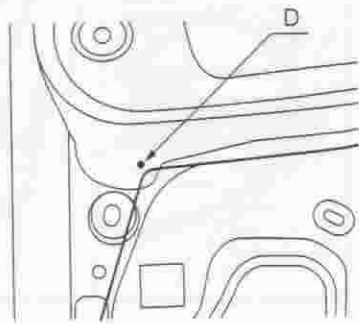
- (2) Firmly hold down the area applied with butyl tape and install the front door service hole cover.



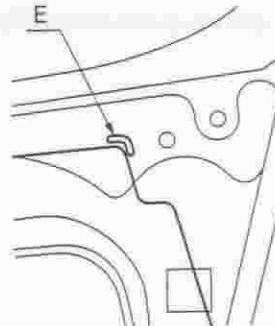
CAUTION

- For Area B, align to the door inner location (D) and apply.
- For Area C, align to the door inner bead (E) and apply.
- If the front door service hole cover is cracked, water might leak through it, so replace it.

BBE-20



Section B



Section C

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2. Installation of regulator handle

CAUTION

- When using ET screws, over tightening the screws could strip the screw holes.

BBE-FDR-D-S-00001



8 GLASS ROOF

8-1 REMOVAL AND INSTALLATION

8-1-1 PREPARATION TOOLS

	Name
Tool	Sealant gun
	Wodden block or Bias clip
	Knife
	Rubber suction cups
Adhesive	Adhesive, Primer M, Primer G
Others	Protective tape, Piano wire

(1) ADHESIVE HANDLING PRECAUTIONS

- (1) Store in a cool, dark location.
- (2) Do not reuse adhesive and primer that have been used once.
- (3) When storing in a low-temperature location, warm up the material before use.
- (4) Keep away from fire and hot objects.

BBE-GLS-D-P-00001

BBE-22

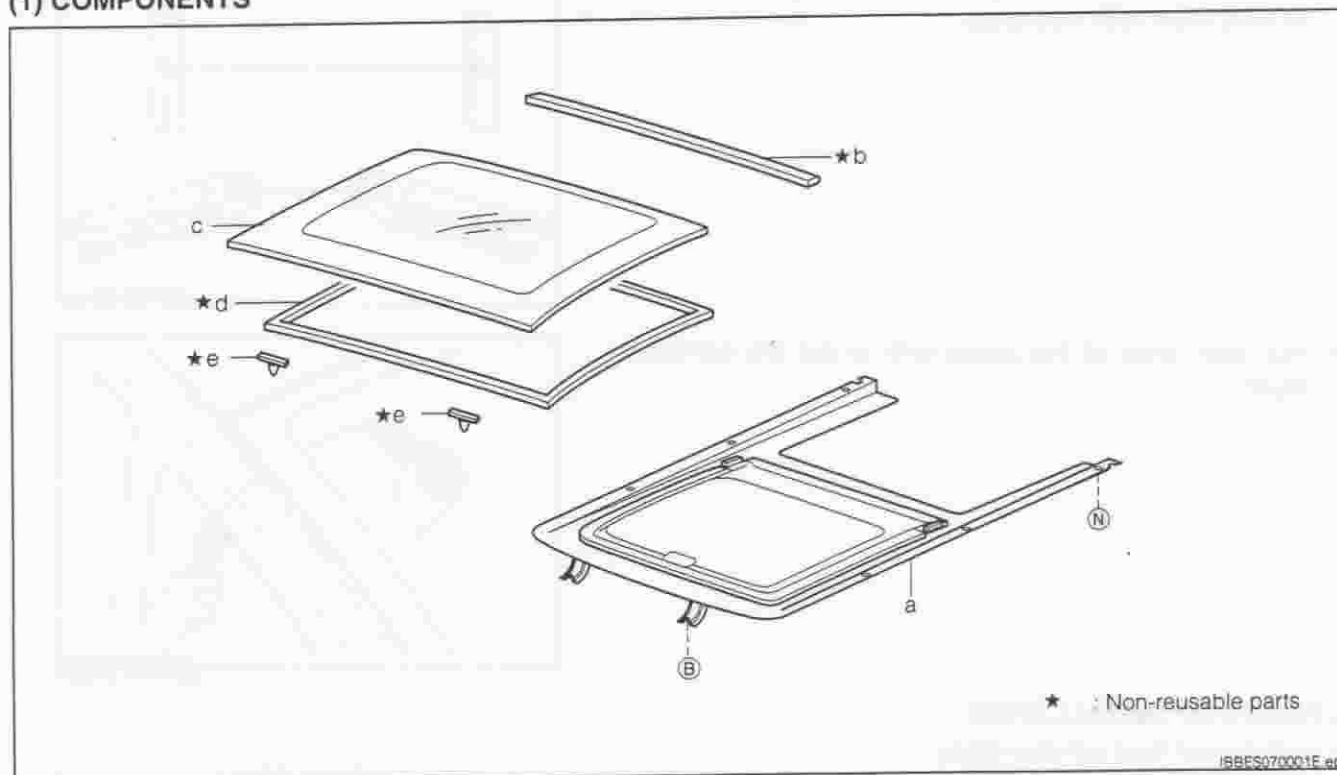
8-1-2 OPERATION BEFORE REMOVAL

1. Remove the roof molding.
Refer to BBE-62.
2. Remove the front pillar garnish.
Refer to BBE-66.
3. Remove the cowl side trim board S/A.
Refer to BBE-66.
4. Remove the front door scuff plate.
Refer to BBE-66.
5. Remove the rear door scuff plate Ay.
Refer to BBE-66.
6. Remove the center pillar lower garnish.
Refer to BBE-66.
7. Remove the lower back trim.
Refer to BBE-66.
8. Remove the deck side trim.
Refer to BBE-66.
9. Remove the seatbelt outer.
Refer to BBE-36.
10. Remove the center pillar garnish.
Refer to BBE-66.
11. Remove the roof side inner garnish.
Refer to BBE-66.
12. Remove the inner rear view mirror.
13. Remove the room lamp.
14. Remove the sun visors.
15. Remove the assist grips.
16. Remove the sun roof opening trim molding.
17. Remove the roof headlining.
Refer to BBE-68.

BBE-GLS-D-B-00001

8-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



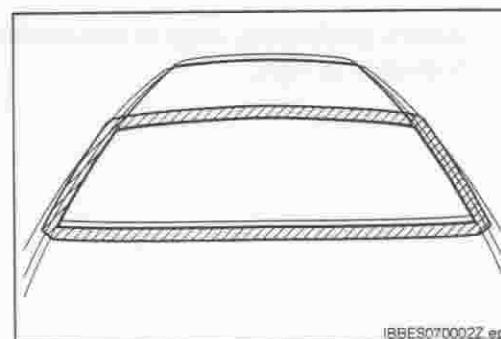
(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 5 a Rail S/A, sun-shade, No.1
- 2 ④ b Molding, roof window outside
- ③ ③ c Glass, roof window
- 4 ② d Dam, roof window glass
- 5 ① e Clip

BBE-GLS-D-T-00001

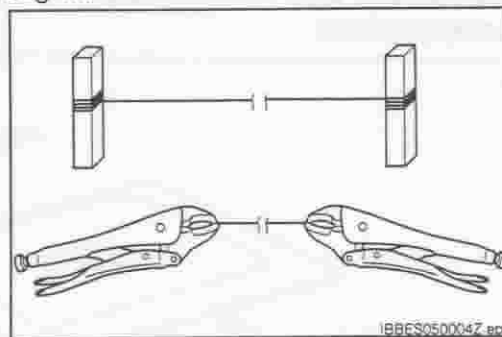
8-1-4 POINTS OF REMOVAL

1. Removal of roof window glass
 - (1) Apply a protective seal to the body around the edge of the glass.

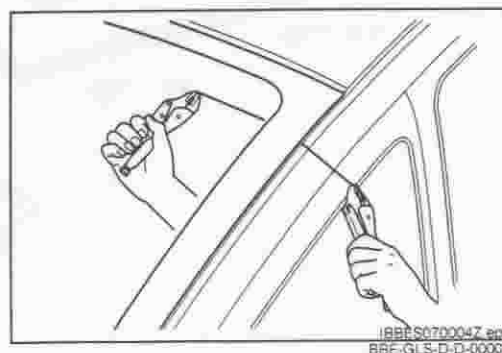


BBE-24

- (2) Make a hole in the adhesive layer and pass a piano wire through it.
- (3) Attach both ends of the piano wire to a piece of wood or hold them with vise grips.



- (4) Pull both ends of the piano wire to cut the adhesive layer.



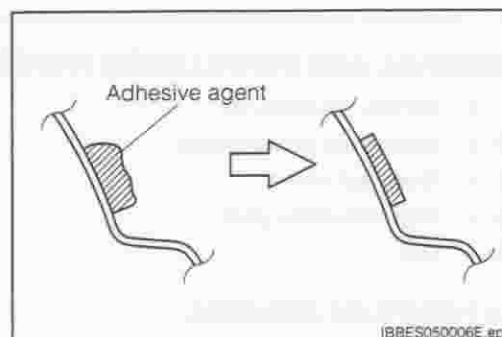
8-1-5 POINTS OF INSTALLATION

1. Installation of Roof window glass

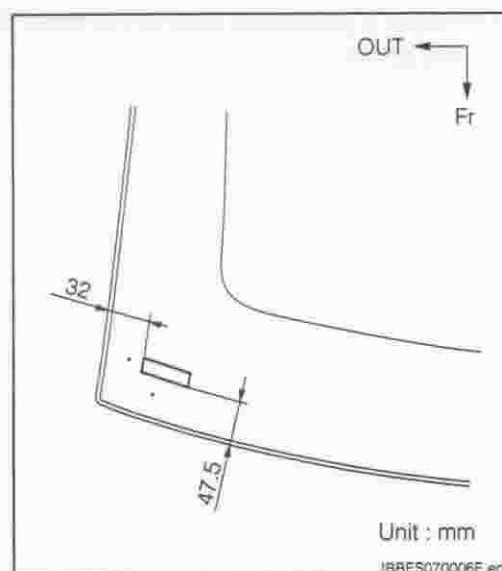
- (1) Use a knife to smooth the cut adhesive layers on the body side and glass side.

CAUTION

- Degrease the knife.
- Leave a little of the adhesive layer.



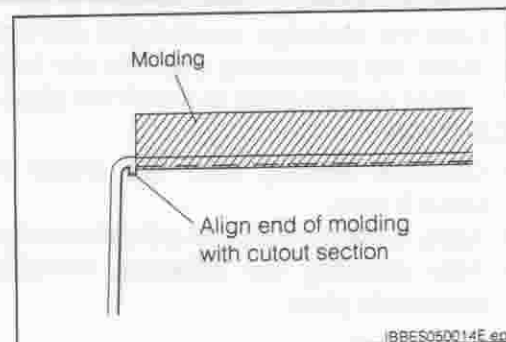
- (2) Attach positioning clips to the position shown in the illustration at right.



2. Installation of moon roof rear molding

CAUTION

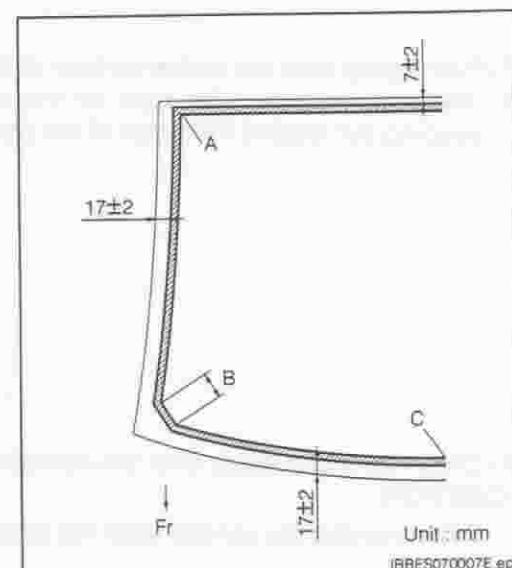
- Align with the roof glass inside surface coated ceramic notch inner side and install.



- (1) Attach the dam in the position shown in the illustration at right.

CAUTION

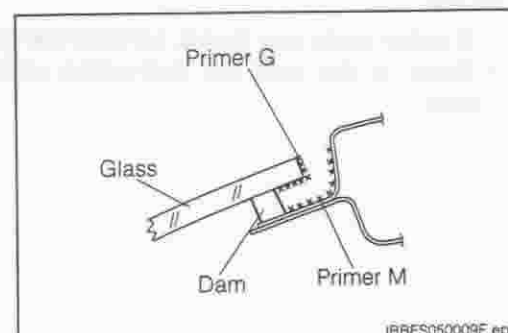
- For A, it is possible at the minimum R. (However, no harmful bends.)
- For B, apply to the straight line between the marks.
- For C, mate close to the center.



- (2) Apply body primer to the exposed areas of the body surface of the body side adhesion area.

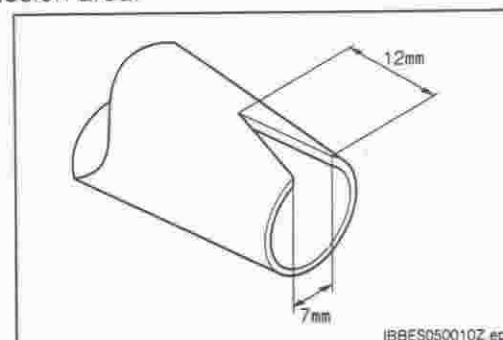
CAUTION

- Do not coat thickly.
- Do not coat the adhesive.
- Proceed with work after the primer has dried (after about 3 min).



- (3) When using new glass, apply glass primer to the glass adhesion area.

- (4) Cut the cartridge nozzle tip as shown in the illustration at right.

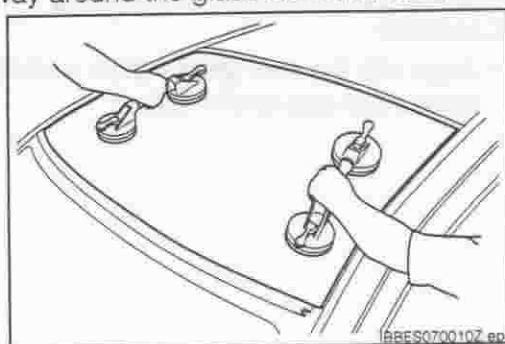


BBE-26

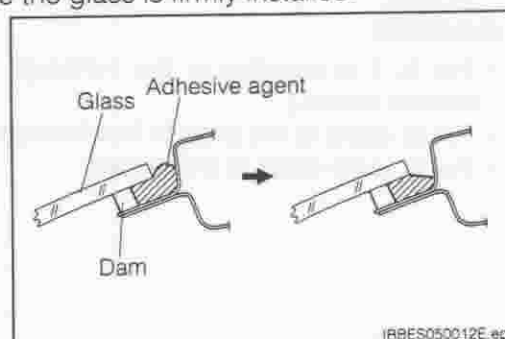
- (5) Load the cartridge into the gun and apply adhesive all the way around the glass adhesion area.
(6) Insert the positioning clip into the body and then use rubber suction cups to install the glass.

CAUTION

- Continue working after the primer has dried (after about 3 min).
- Apply a good amount of adhesive to the corners.
- After applying the adhesive, immediately install the windshield glass.



- (7) Push lightly over the entire surface of the glass to make sure the glass is firmly installed.
(8) Use a spatula to take care of the adhesive that is seeping out around the edge of the glass.



- (9) Check for water leaks after the adhesive has hardened.

CAUTION

- When moving the vehicle after the glass is installed, make sure the glass does not move.

NOTE

- If water leaks are found, reinstall the glass.
- Refer to the seal set instruction manual for information regarding the adhesive's minimum drying time.

BBE-GLS-D-S-00001

8-1-6 OPERATION AFTER INSTALLATION

1. Install the roof headlining.
Refer to BBE-68.
2. Install the center pillar garnish.
Refer to BBE-66.
3. Install the seatbelt outer.
Refer to BBE-36.
4. Install the roof side inner garnish.
Refer to BBE-66.
5. Install the front pillar garnish.
Refer to BBE-66.
6. Install the inner rear view mirror.
7. Install the room lamp.
8. Install the sun visors.
9. Install the assist grips.
10. Install the sun roof opening trim molding.
11. Install the deck side trim.
Refer to BBE-66.
12. Install the lower back trim.
Refer to BBE-66.
13. Install the center pillar lower garnish.
Refer to BBE-66.
14. Install the rear door scuff plate Ay.
Refer to BBE-66.
15. Install the front door scuff plate.
Refer to BBE-66.
16. Install the cowl side trim board S/A.
Refer to BBE-66.
17. Install the roof molding.
Refer to BBE-62.

BBE-GLS-D-A-00001

BBE-28

9 SPEEDOMETER CABLE

9-1 REMOVAL AND INSTALLATION

9-1-1 OPERATION BEFORE REMOVAL

1. Disconnect the negative terminal of the battery

CAUTION

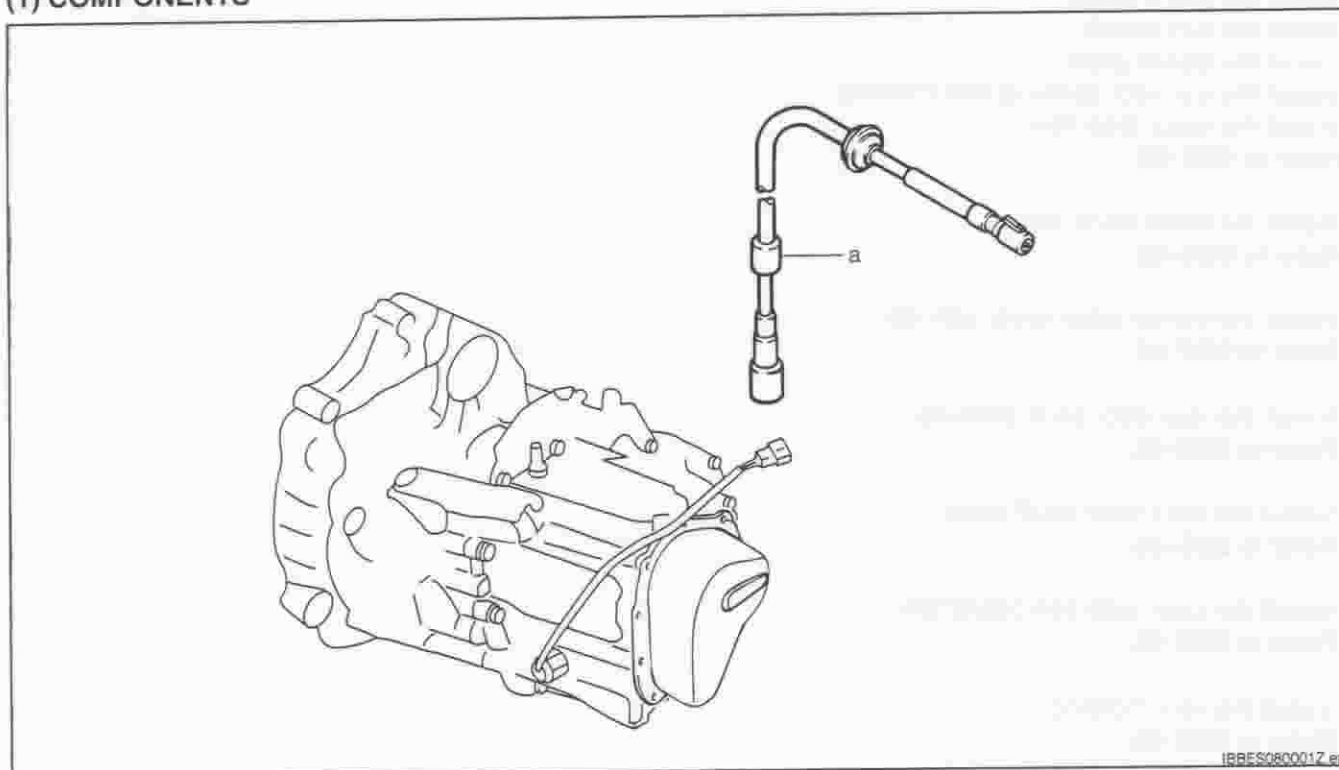
- When the negative terminal of the battery is disconnected, the memories of all system ECUs and the radio settings will be erased, so after the power is restored these need to be reset.

2. Remove the front pillar garnish.
Refer to BBE-66.
3. Remove the instrument panel S/A.
Refer to BBE-32.

BBE-SMC-D-B-00001

9-1-2 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



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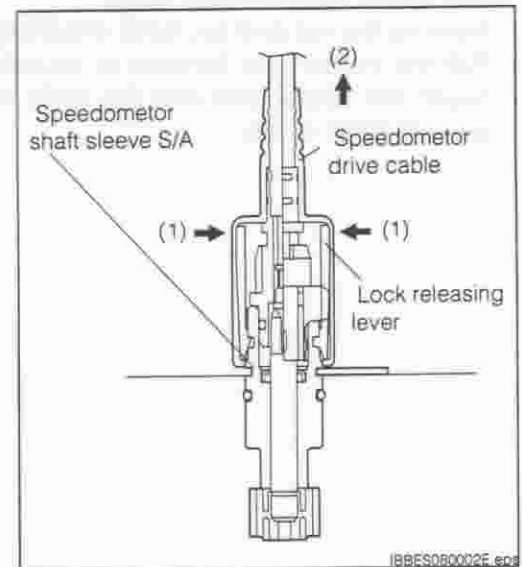
(2) REMOVAL AND INSTALLATION PROCEDURES

- ① ① a Cable Ay, speed meter drive

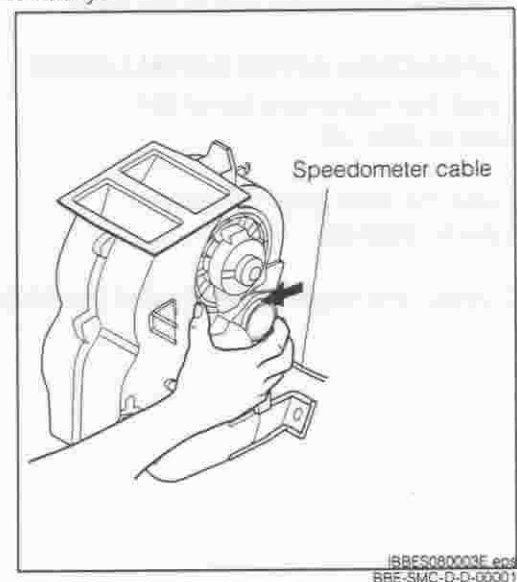
BBE-SMC-D-T-00001

9-1-3 POINTS OF REMOVAL

1. Disconnect of speedometer cable.
 - (1) Pinch the lock release lever inside the boots from outside the boots.



- (2) Pull out the speedometer cable from the transaxle.
- (3) Remove the nut and two bolts attaching the heater unit to the body.
- (4) Pull the heater unit forward to increase the gap between the heater unit and the body and disconnect the speedometer cable.

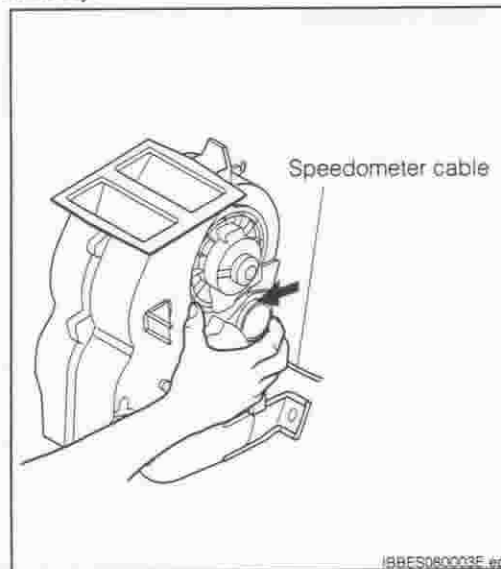


BBE-30

9-1-4 POINTS OF INSTALLATION

1. Connection of speedometer cable

- (1) Remove the nut and two bolts attaching the heater unit to the body.
- (2) Pull the heater unit forward to increase the gap between the heater unit and the body and connect the speedometer cable.



- (3) Attach the heater unit to the body.

BBE-SMC-D-S-00001

9-1-5 OPERATION AFTER INSTALLATION

1. Install the instrument panel S/A.
Refer to BBE-32.
2. Install the front pillar garnish.
Refer to BBE-66.
3. Connect the negative terminal of the battery.

BBE-SMC-D-A-00001

10 INSTRUMENT PANEL

10-1 BASIC CHECK

10-1-1 REAR WINDOW DEFOGGER

(1) OPERATION INSPECTION

1. Conduct a rear window defogger operation inspection.

BBE-INS-I-F-00001

10-1-2 HEADLAMP LEVELING

(1) OPERATION INSPECTION

1. Conduct a headlamp leveling inspection.

BBE-INS-I-H-00001

10-1-3 REAR WIPER

(1) OPERATION INSPECTION

1. Conduct a rear wiper operation inspection.

(2) REAR WIPER WASHER SPRAY POSITION ADJUSTMENT

1. Operate the rear wiper washer and adjust the spray position.

BBE-INS-I-W-00001

10-2 REMOVAL AND INSTALLATION

10-2-1 OPERATION BEFORE REMOVAL

1. Disconnect the negative terminal of the battery

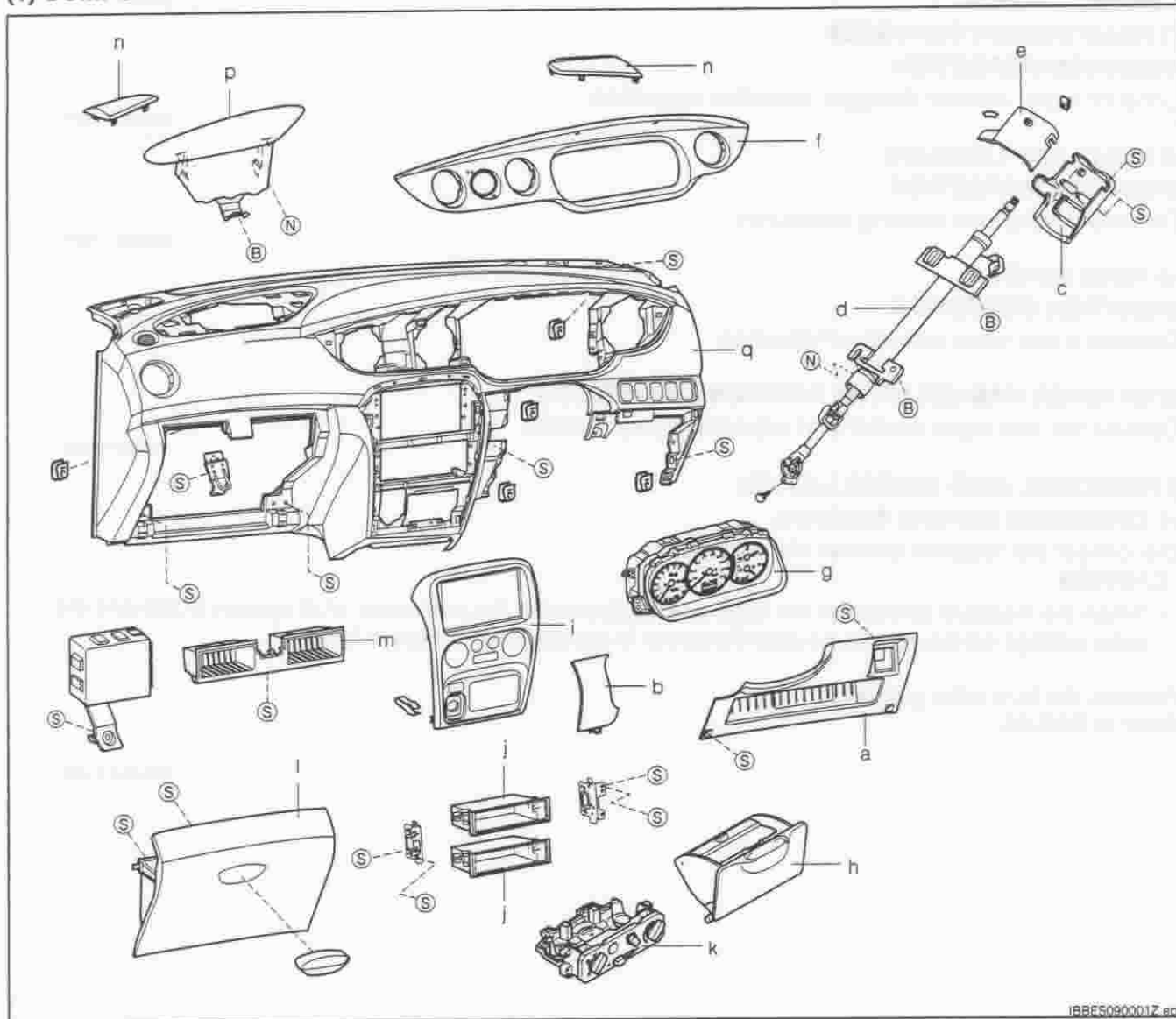
CAUTION

- When the negative terminal of the battery is disconnected, the memories of all system ECUs and the radio settings will be erased, so after the power is restored these need to be reset.

2. Remove the front pillar garnish.
Refer to BBE-66.

BBE-INS-D-B-00001

(1) COMPONENTS

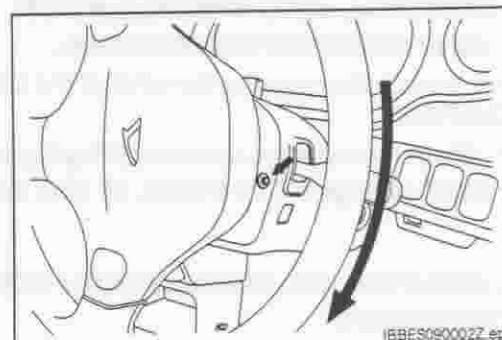


1	18	a	Panel S/A, instrument panel	10	9	j	Box, instrument panel center
2	17	b	Cover S/A, shifting hole cover	11	8	k	Control Ay, heater with cable
③	16	c	Cover, steering column lower	12	7	l	Door Ay, glove compartment
4	15	d	Column Ay, steering	13	6	m	Box, instrument panel coin
⑤	14	e	Cover, steering column upper	14	5	n	Grille, speaker
6	13	f	Panel S/A, instrument cluster finish	15	4	o	Garnish, front pillar
7	12	g	Meter Ay, combination	16	3	p	Receiver, door control
8	11	h	Box, front ash receptacle	17	2	q	Airbag Ay (Passenger side)
9	10	i	Panel S/A, instrument cluster finish, center lower	18	1	r	Panel S/A, instrument

Purchased from www.WorkshopManuals.co.uk

10-2-3 POINTS OF REMOVAL

1. Removal of steering column lower cover
 - (1) Turn the steering wheel and remove the screws as shown in the illustration at right.



- (2) Remove the steering column lower cover.
2. Remove the steering column upper cover.
 - (1) Remove the top two bolts holding the steering column.
 - (2) Loosen the bottom bolt and nut holding the steering column as much as possible and then lower the steering column.

NOTE

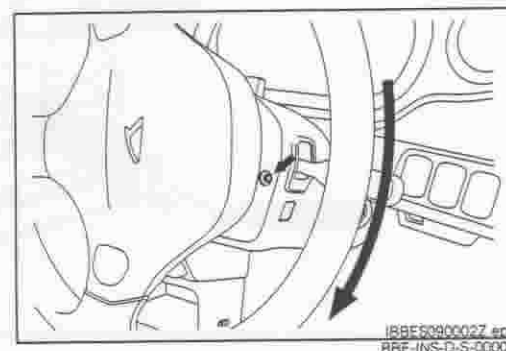
- Leave the steering column lowered so that the subsequent work can be performed.

- (3) Remove the steering column upper cover.

BBE-INS-D-D-00001

10-2-4 POINTS OF INSTALLATION

1. Install the steering column lower cover.
 - (1) Turn the steering wheel and tighten the screws as shown in the illustration at right.



BBE-INS-D-S-00001

10-2-5 OPERATION AFTER INSTALLATION

1. Install the front pillar garnish.
Refer to BBE-66.
2. Connect the negative terminal of the battery

BBE-INS-D-A-00001

BBE-34

11 FRONT SEAT

11-1 REMOVAL AND INSTALLATION

11-1-1 OPERATION BEFORE REMOVAL

1. Disconnect the negative terminal of the battery (Vehicles equipment with side airbags)

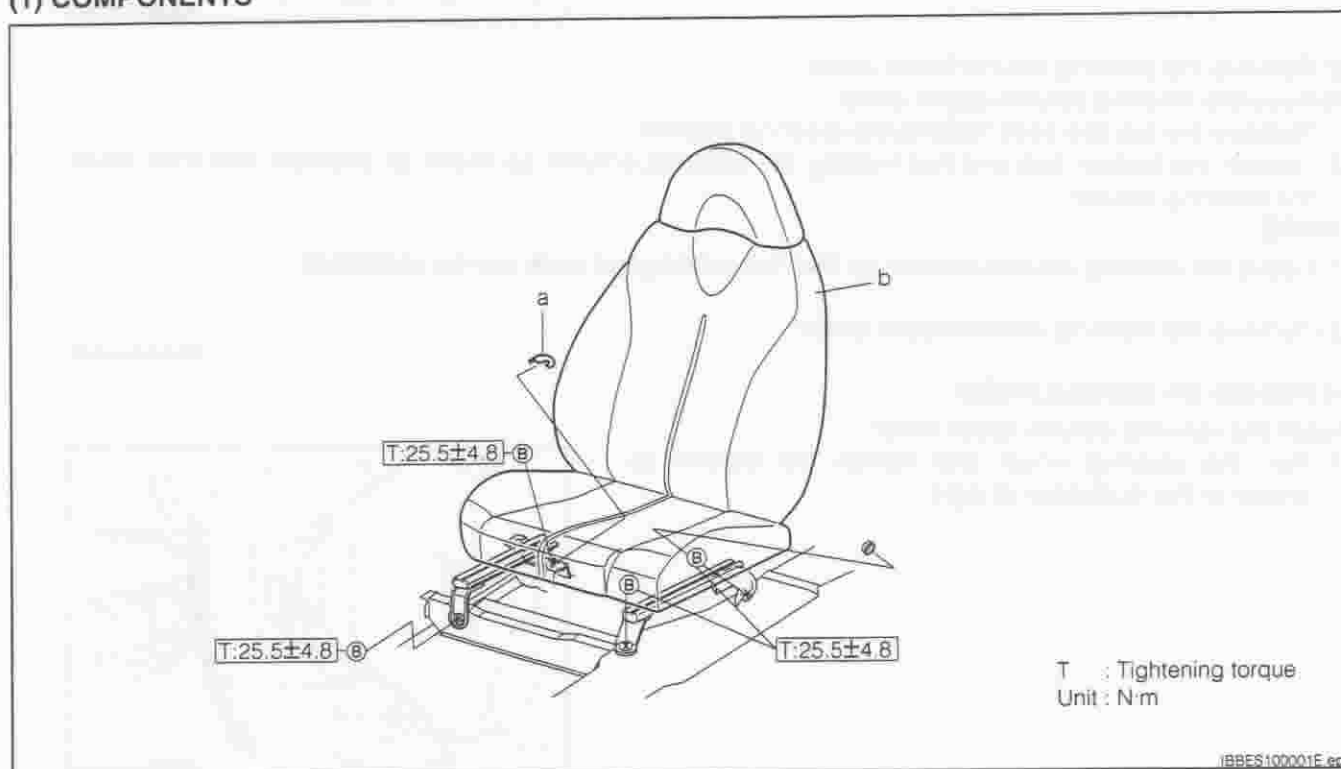
CAUTION

- When the negative terminal of the battery is disconnected, the memories of all system ECUs and the radio settings will be erased, so after the power is restored these need to be reset.

BBE-FS-D-B-00001

11-1-2 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

1. 2 a Cover, front seat leg
2. ① b Seat Ay, front

BBE-FS-D-T-00001

11-1-3 POINTS OF INSTALLATION

1. Installation of front seat
 - (1) Tighten the front seat installation bolts in the order of (1) front inside, (2) front outside, (3) back inside, and (4) back outside.

BBE-FS-D-S-00001

11-1-4 OPERATION AFTER INSTALLATION

1. Connect the negative terminal of the battery (Vehicles equipped with side airbags)
2. Check that the airbag warning lamp lights for about 6 seconds when the ignition switch is turned to "ON" and then turns off. (Vehicles equipped with side airbags)



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BBE-36

12 FRONT SEAT BELT

12-1 BASIC CHECK

12-1-1 CHECK OF RETRACTOR

1. While installed in the vehicle, quickly pull out the seatbelts to make sure that they lock.

BBE-FSB-I-L-00001

12-2 REMOVAL AND INSTALLATION

12-2-1 OPERATION BEFORE REMOVAL

1. Disconnect the negative terminal of the battery (Vehicles equipment with airbags)

CAUTION

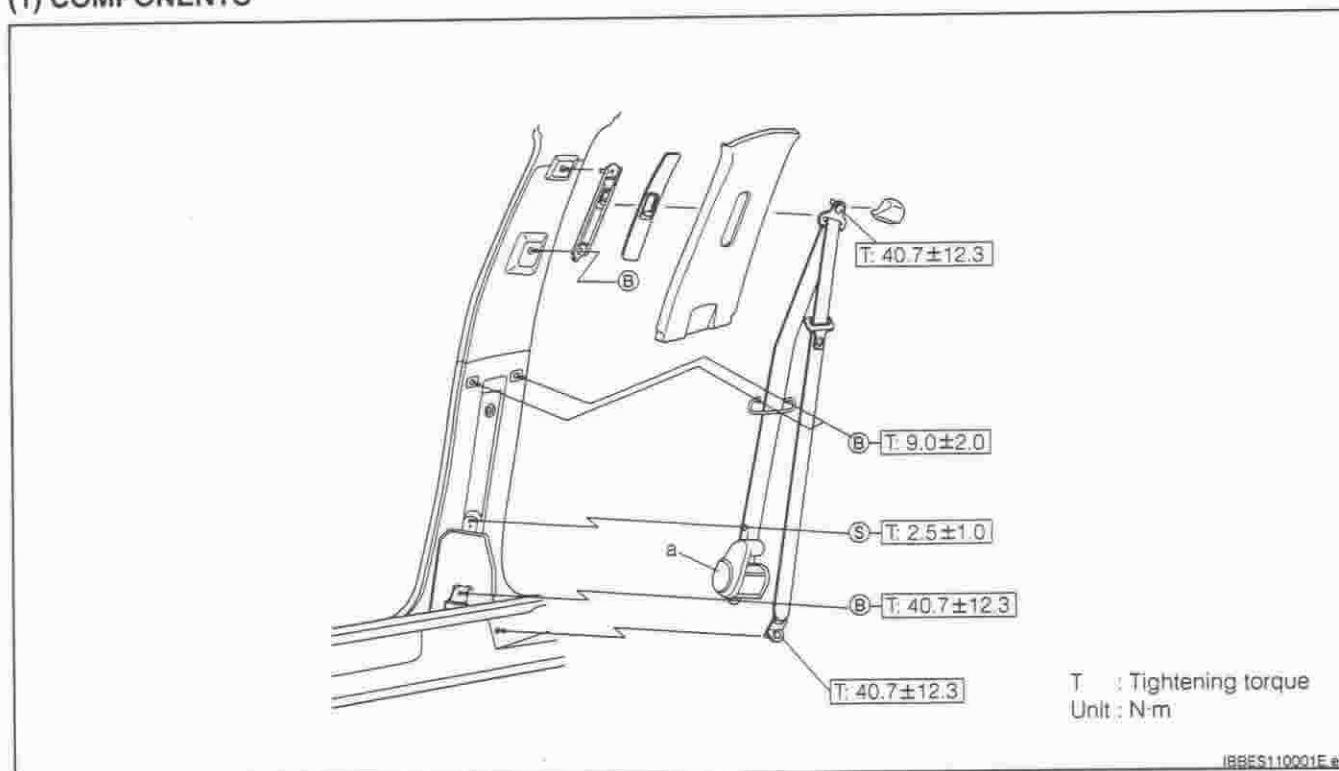
- When the negative terminal of the battery is disconnected, the memories of all system ECUs and the radio settings will be erased, so after the power is restored these need to be reset.

2. Remove the cowl side trim board S/A.
Refer to BBE-66.
3. Remove the front door scuff plate.
Refer to BBE-66.
4. Remove the center pillar lower garnish.
Refer to BBE-66.

BBE-FSB-D-B-00001

12-2-2 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

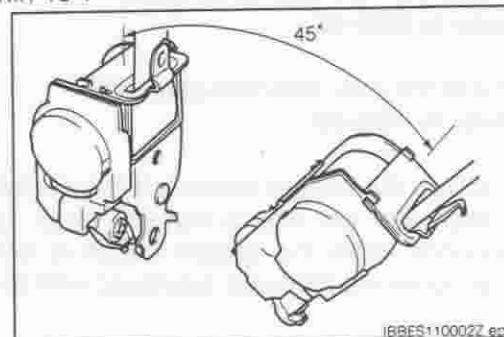
- 1 ① a Belt Ay, front seat outer

BBE-FSB-D-T-00001

12-2-3 INSPECTION

(1) RETRACTOR INSPECTION

1. Check the ELR lock start angle of inclination.
 - (1) Carefully incline the retractor from the installation position.
 - (2) Confirm that it does not lock when tilted in any direction within 15° .
 - (3) Confirm that it remains locked when tilted in any direction at or over 45° .



(2) SEATBELT APPEARANCE INSPECTION

1. Inspect the following items and replace the seatbelt when appropriate.
 - (1) When the vehicle is in a collision.
 - (2) When the seatbelt is damaged or cracked.
 - (3) When the seatbelt is dropped.

(3) INSPECTION OF SEATBELTS WITH PRETENSIONERS

1. For seatbelts with pretensioners, inspect the following items in addition to those above, and when appropriate, replace the seatbelt.
 - (1) When the pretensioner mechanism operated.
 - (2) When the vehicle is in a collision.
 - (3) When the seatbelt is damaged or cracked.
 - (4) When the connector or harness are dented, chipped, etc.
 - (5) When a large amount of water, cleaning solution, oil, etc., has been applied.

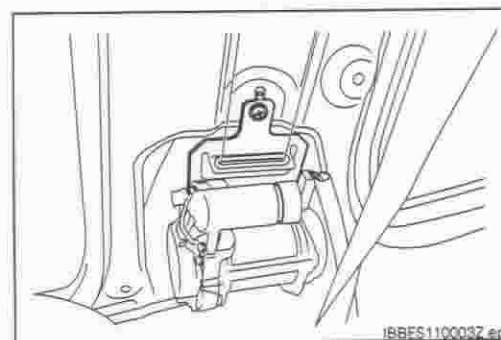
BBE-FSB-D-C-00001

12-2-4 POINTS OF INSTALLATION

1. Install the seatbelt outer.

CAUTION

- When using ET screws, over tightening the screws could strip the screw holes.



BBE-38

12-2-5 OPERATION AFTER INSTALLATION

1. Install the center pillar lower garnish.
Refer to BBE-66.
2. Install the front door scuff plate.
Refer to BBE-66.
3. Install the cowl side trim board S/A.
Refer to BBE-66.
4. Connect the battery minus terminal (vehicles equipped with airbags).
5. Check that the airbag warning lamp lights for about 6 seconds when the ignition switch is turned to "ON" and then turns off. (Vehicles equipped with airbags)



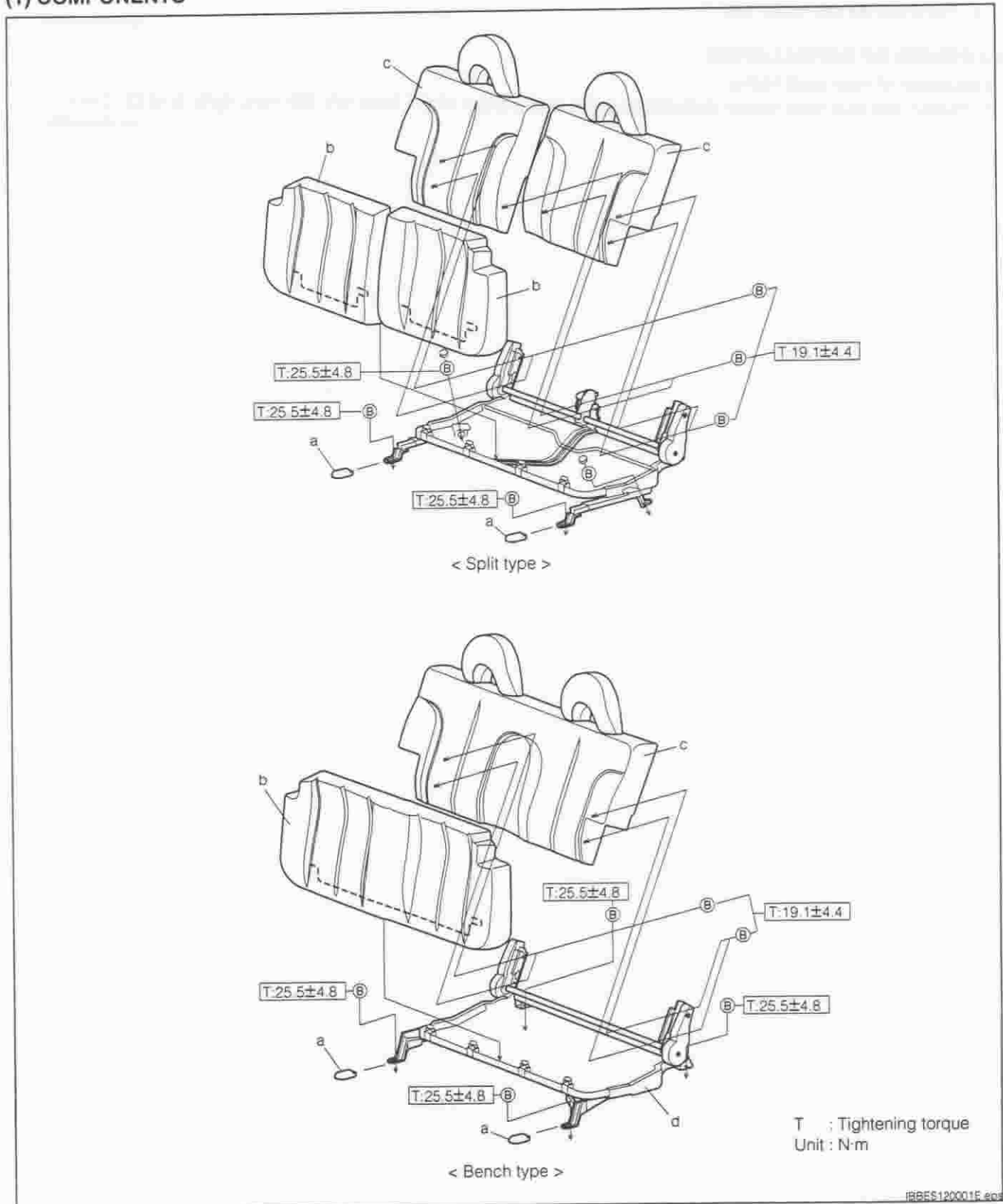
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13 REAR SEAT

13-1 REMOVAL AND INSTALLATION

13-1-1 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



BBE-40

(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 4 a Cover, rear seat leg
- 2 3 b Cushion Ay, rear seat
- 3 2 c Back Ay, rear seat
- 4 ① d Frame S/A, rear seat cushion main

BBE-RS-D-T-00001

13-1-2 POINTS OF INSTALLATION

1. Installation of rear seat frame
(1) Fasten the rear seat frame installation bolts in the order of (1) front left, (2) front right, and (3) back.

BBE-RS-D-S-00001



14 REAR SEAT BELT

14-1 BASIC CHECK

14-1-1 CHECK OF RETRACTOR

1. While installed in the vehicle, quickly pull out the seatbelts to make sure that they lock.

BBE-RSB-I-L-00001

14-2 REMOVAL AND INSTALLATION

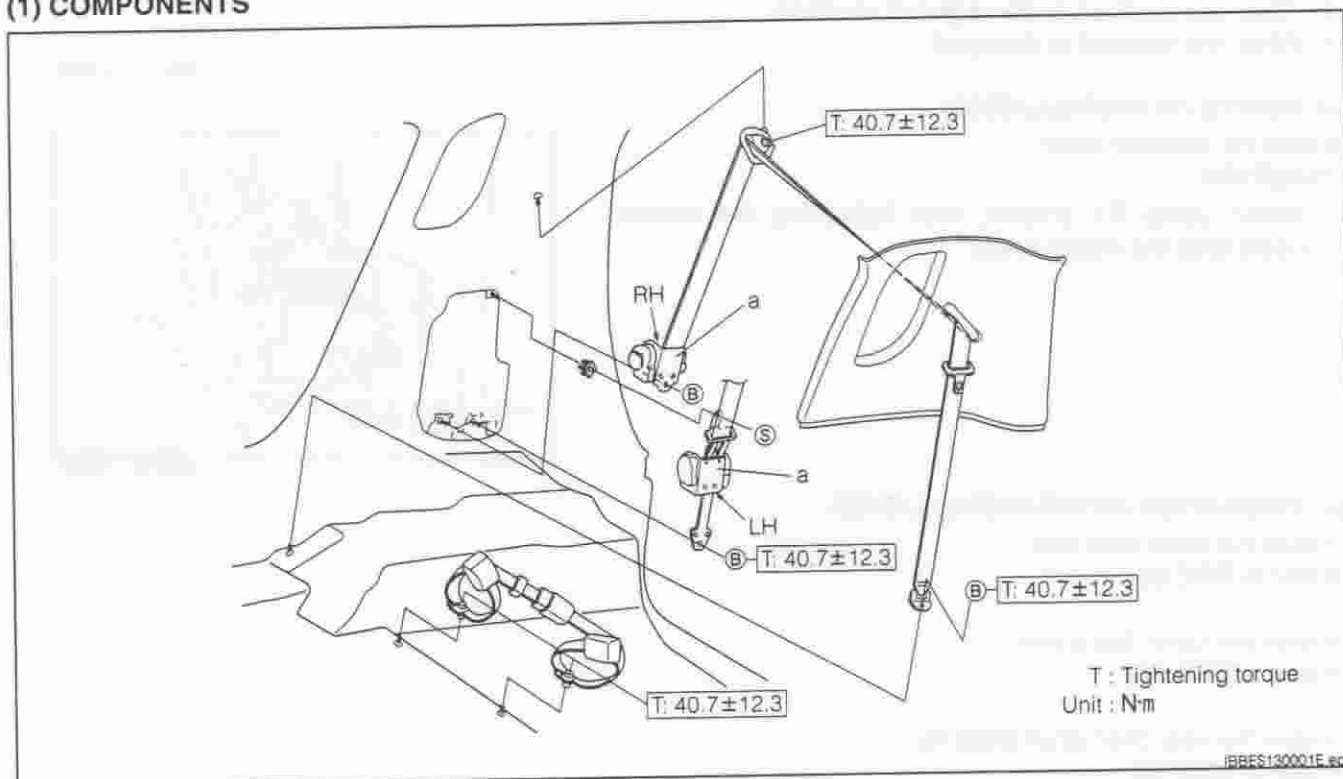
14-2-1 OPERATION BEFORE REMOVAL

1. Remove the rear door scuff plate Ay.
Refer to BBE-66.
2. Remove the lower back trim.
Refer to BBE-66.
3. Remove the deck side trim.
Refer to BBE-66.

BBE-RSB-D-B-00001

14-2-2 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 ① a Belt Ay, rear seat outer

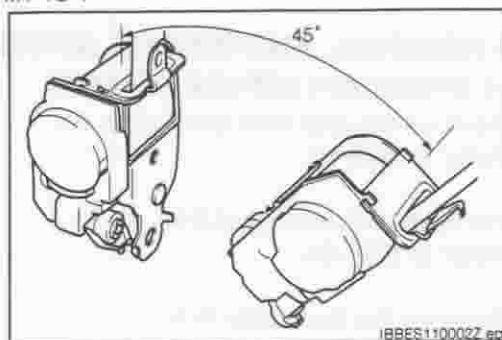
BBE-RSB-D-T-00001

BBE-42

14-2-3 INSPECTION

(1) RETRACTOR INSPECTION

1. Check the ELR lock start angle of inclination.
 - (1) Carefully incline the retractor from the installation position.
 - (2) Confirm that it does not lock when tilted in any direction within 15°.
 - (3) Confirm that it remains locked when tilted in any direction at or over 45°.



(2) SEATBELT APPEARANCE INSPECTION

1. Inspect the following items and replace the seatbelt when appropriate.
 - (1) When the vehicle is in a collision.
 - (2) When the seatbelt is damaged or cracked.
 - (3) When the seatbelt is dropped.

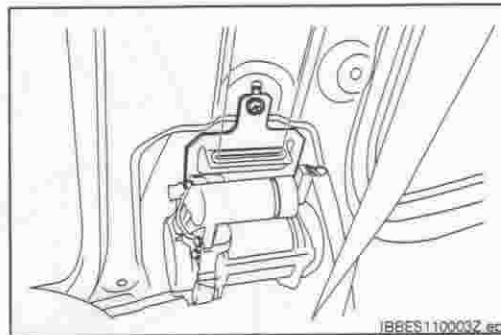
BBE-RSB-D-C-00001

14-2-4 POINTS OF INSTALLATION

1. Install the seatbelt outer.

CAUTION

- When using ET screws, over tightening the screws could strip the screw holes.



14-2-5 OPERATION AFTER INSTALLATION

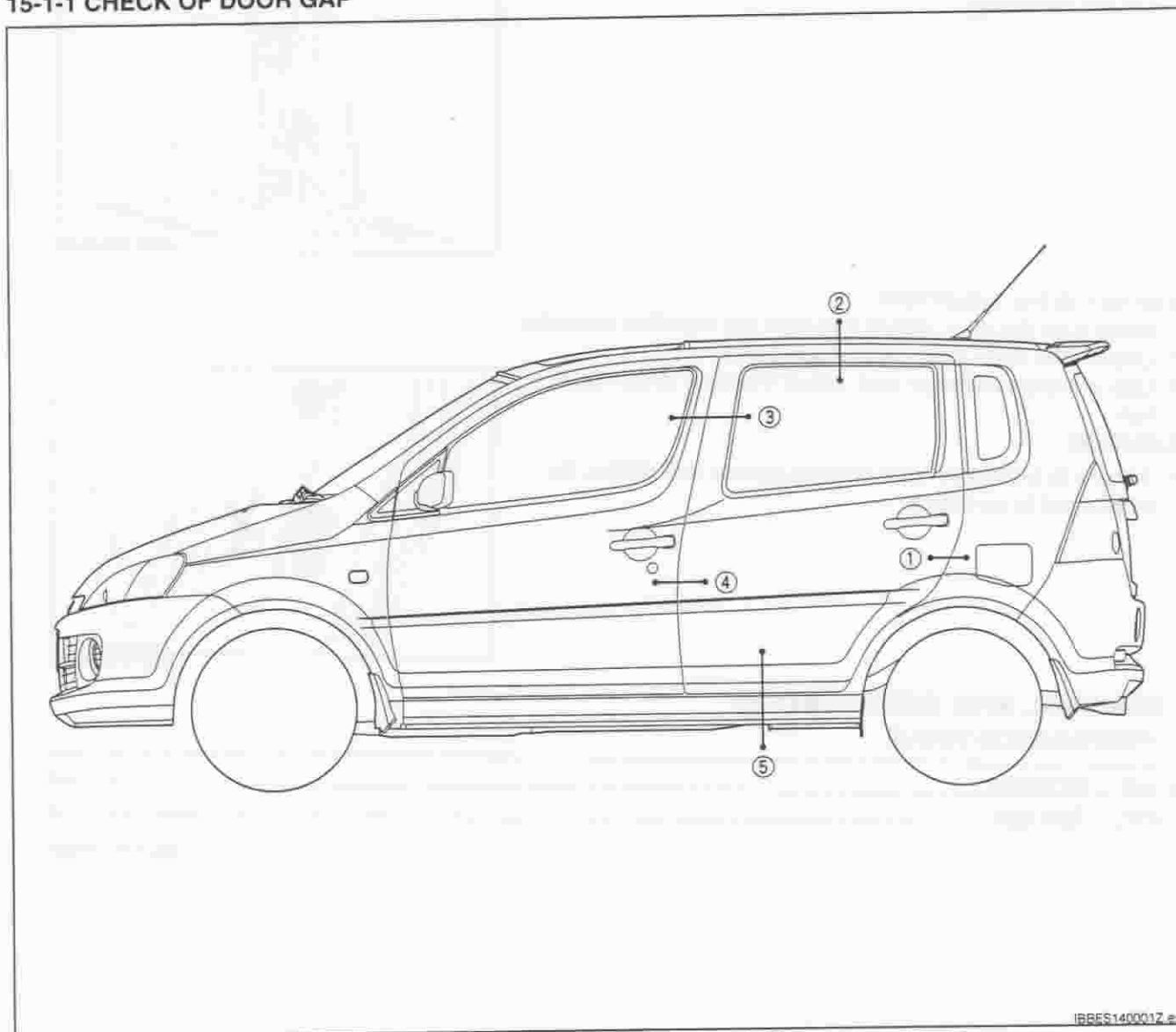
1. Install the deck side trim.
Refer to BBE-66.
2. Install the lower back trim.
Refer to BBE-66.
3. Install the rear door scuff plate Ay.
Refer to BBE-66.

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15 REAR DOOR

15-1 BASIC CHECK

15-1-1 CHECK OF DOOR GAP



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Measuring point	Specified gap	Stagger	Difference between right and left sides	Deviation value
① : Side outer panel X Rear door panel	4 ± 1.5	0 ± 1.5	-	Not to exceed 1.5
② : Side outer panel X Rear door frame	4.5 ± 1.5	1.4 ± 1.5	-	-
③ : Front door frame X Rear door frame	4.3 ± 1.5	0 ± 1.5	-	Not to exceed 1.5
④ : Front door panel X Rear door panel	4.3 ± 1.5	0 ± 1.5	-	Not to exceed 1.5
⑤ : Rear door panel X Rocker panel	5.5 ± 1.5	-	-	Not to exceed 2.0

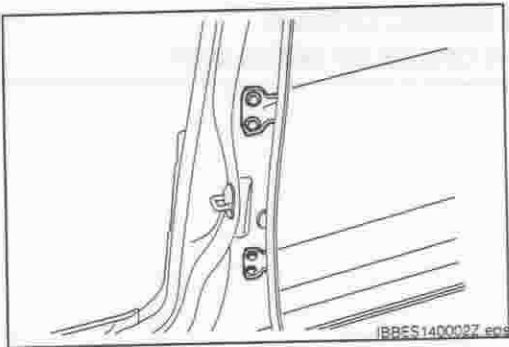
Unit : mm

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BBE-44

15-1-2 DOOR GAP ADJUSTMENT

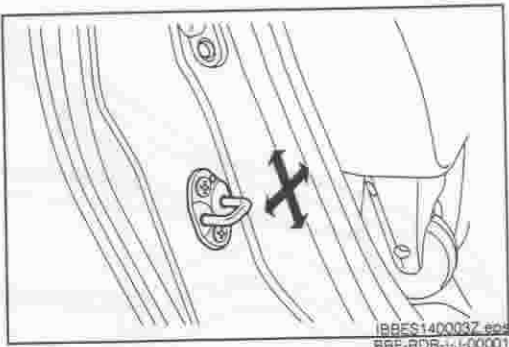
- 1. Door mount adjustment
 - (1) Loosen the bolts holding the body side hinge and adjust the mounting.



- 2. Door lock striker adjustment
 - (1) Make sure the door mount and lock are installed correctly.
 - (2) Loosen the bolts holding the lock striker.
 - (3) Use a plastic hammer and adjust the lock striker position.

CAUTION

- If there is protective tape or paint on the lock striker, be careful not to scratch it.



15-2 REMOVAL AND INSTALLATION

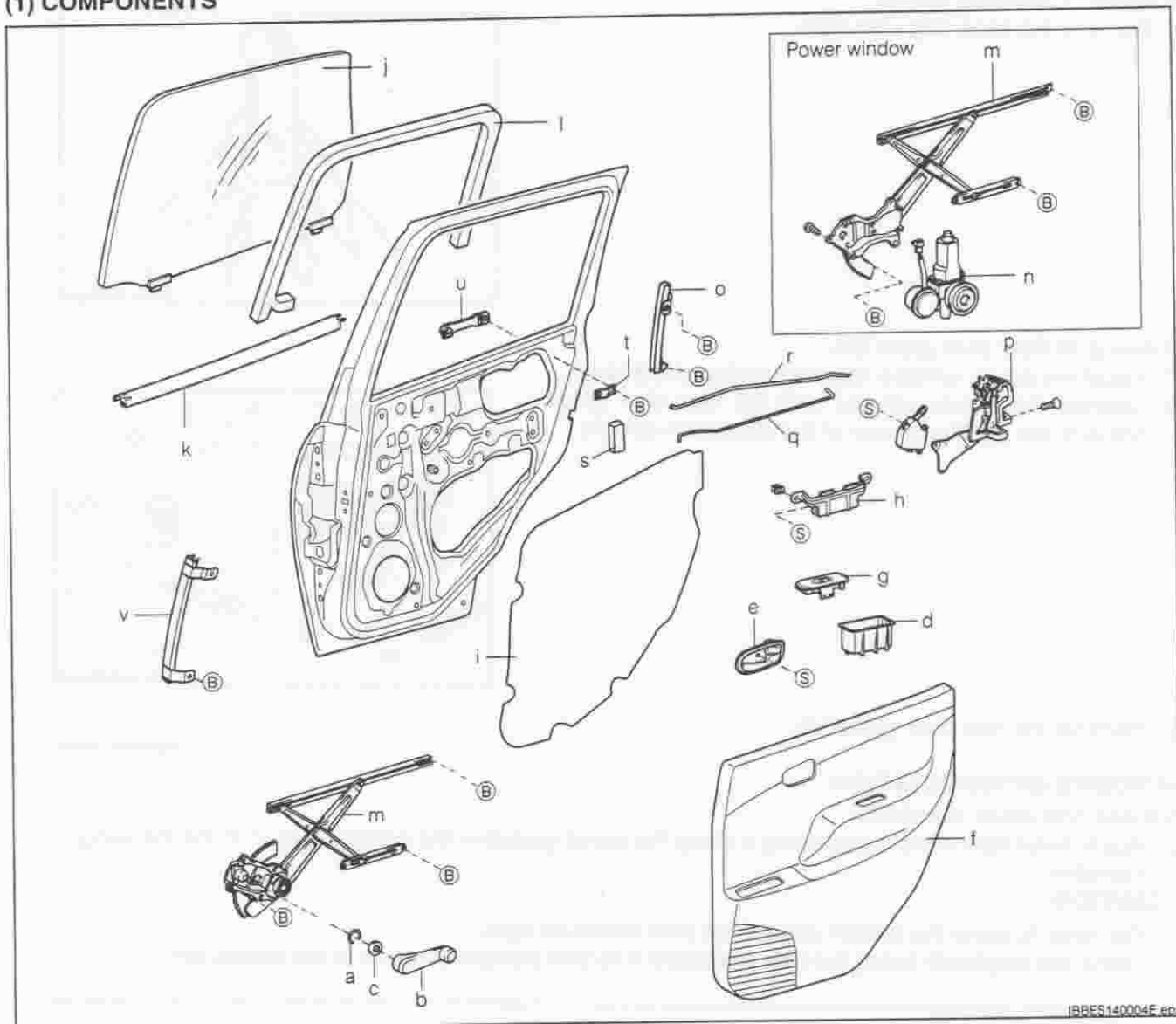
15-2-1 PREPARATION TOOLS

Lubricant	MP Grease
Adhesive	Butyl tape

BBE-RDR-D-P-00001

15-2-2 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

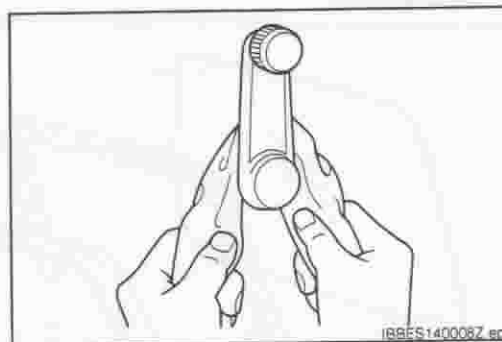
- | | | | |
|---------|---------------------------------------|---------|--|
| ① 22 a | Ring, snap | 12 11 i | Run, rear door glass |
| ② 21 b | Handle Ay, door window regulator | 13 10 m | Regulator S/A, rear door window |
| 3 20 c | Plate, door window control | 14 9 n | Motor Ay, power window regulator, rear |
| 4 19 d | Handle, door pull | 15 8 o | Frame S/A, rear door, rear lower |
| 5 18 e | Handle S/A, rear door inside | 16 7 p | Lock, rear door |
| 6 17 f | Panel S/A, rear door trim | 17 6 q | Link, rear door open control |
| 7 16 g | Switch Ay, power wind regulator | 18 5 r | Link, rear door inside locking |
| 8 15 h | Bracket, door trim No.1 | 19 4 s | Silencer, door lock link |
| 9 14 i | Cover, rear door service hole | 20 3 t | Retainer, outer handle |
| ⑩ 13 j | Glass S/A, rear door | 21 2 u | Handle Ay, rear door outside |
| 11 12 k | Weather strip, rear door glass, outer | 22 1 v | Guide S/A, rear door, front lower |

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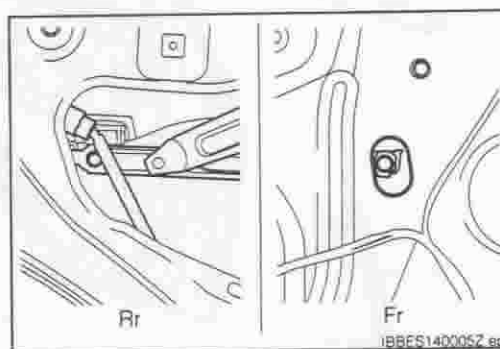
BBE-46

15-2-3 POINTS OF REMOVAL

1. Removal of regulator handle
 - (1) Remove the snap ring with cloth.



2. Removal of Rear door glass S/A
 - (1) Install the power window regulator switch in the door.
 - (2) Operate the power window until the rear door glass S/A is in the position shown in the illustration at right.



- (3) Remove the rear door glass S/A.

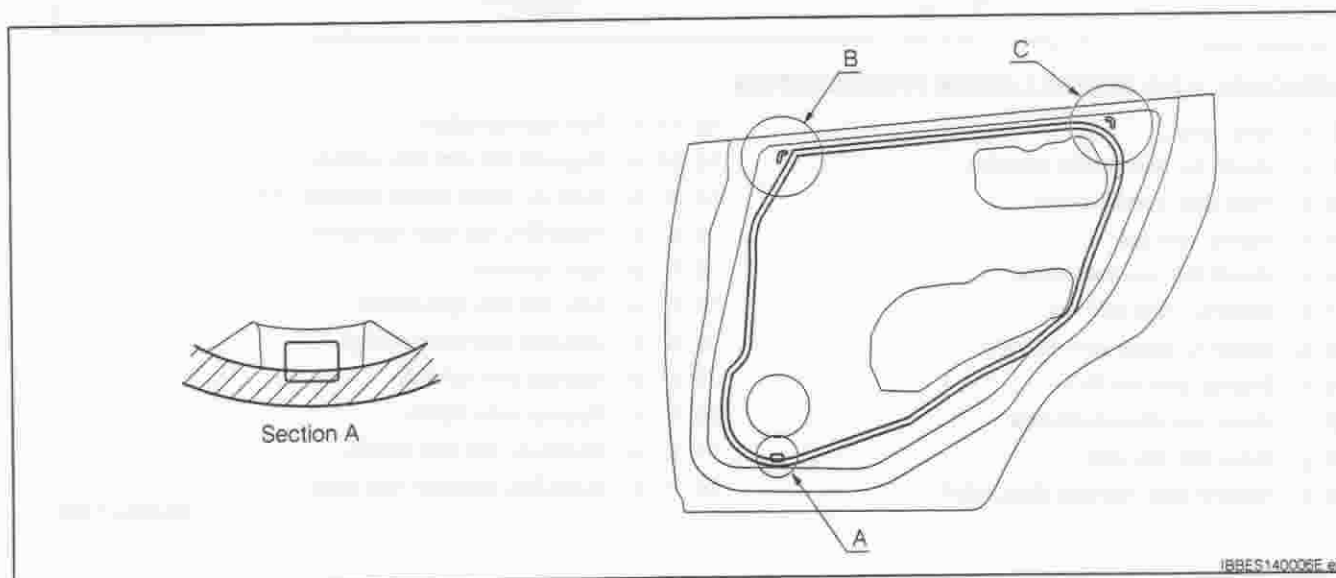
BBE-RDR-D-D-00001

15-2-4 POINTS OF INSTALLATION

1. Service hole cover installation
 - (1) Apply butyl tape without stretching it along the panel groove in the position shown in the following illustration.

CAUTION

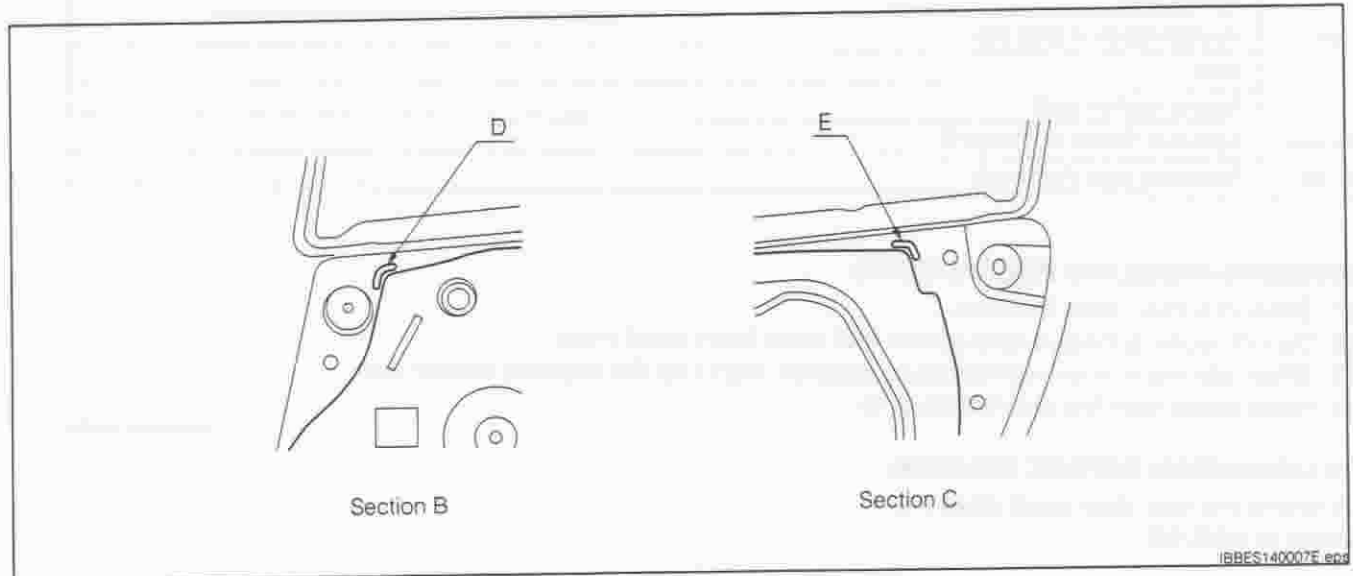
- For Area A, cover the bottom edge of the hole with butyl tape.
- Slope the butyl path facing the hole and apply it so that the hole center is at the lowest point.



(2) Firmly hold down the area applied with butyl tape and install the rear door service hole cover.

CAUTION

- For Area B, align to the hinge side bead (D) and apply.
- For Area C, align to the door inner bead (E) and apply.
- If the rear door service hole cover is cracked, water might leak through it, so replace it.



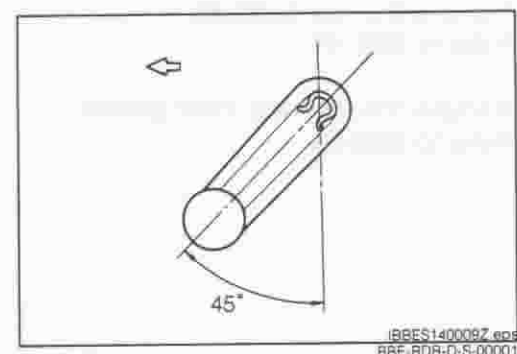
2. Install the door inside handle.

CAUTION

- When using ET screws, over tightening the screws could strip the screw holes.

3. Installation of regulator handle

- (1) Fully close the window glass.
- (2) Install the handle at an angle shown in the right figure.
Insert the snap ring.



BBE-48

16 REAR QUARTER WINDOW

16-1 REMOVAL AND INSTALLATION

16-1-1 PREPARATION TOOLS

	Name
Tool	Sealant gun
	Wooden block or Bias clip
	Knife
	Rubber suction cups
Adhesive	Adhesive, Primer M, Primer G
Others	Protective tape, Piano wire

(1) ADHESIVE HANDLING PRECAUTIONS

- (1) Store in a cool, dark location.
- (2) Do not reuse adhesive and primer that have been used once.
- (3) When storing in a low-temperature location, warm up the material before use.
- (4) Keep away from fire and hot objects.

BBE-RQW-D-P-00001

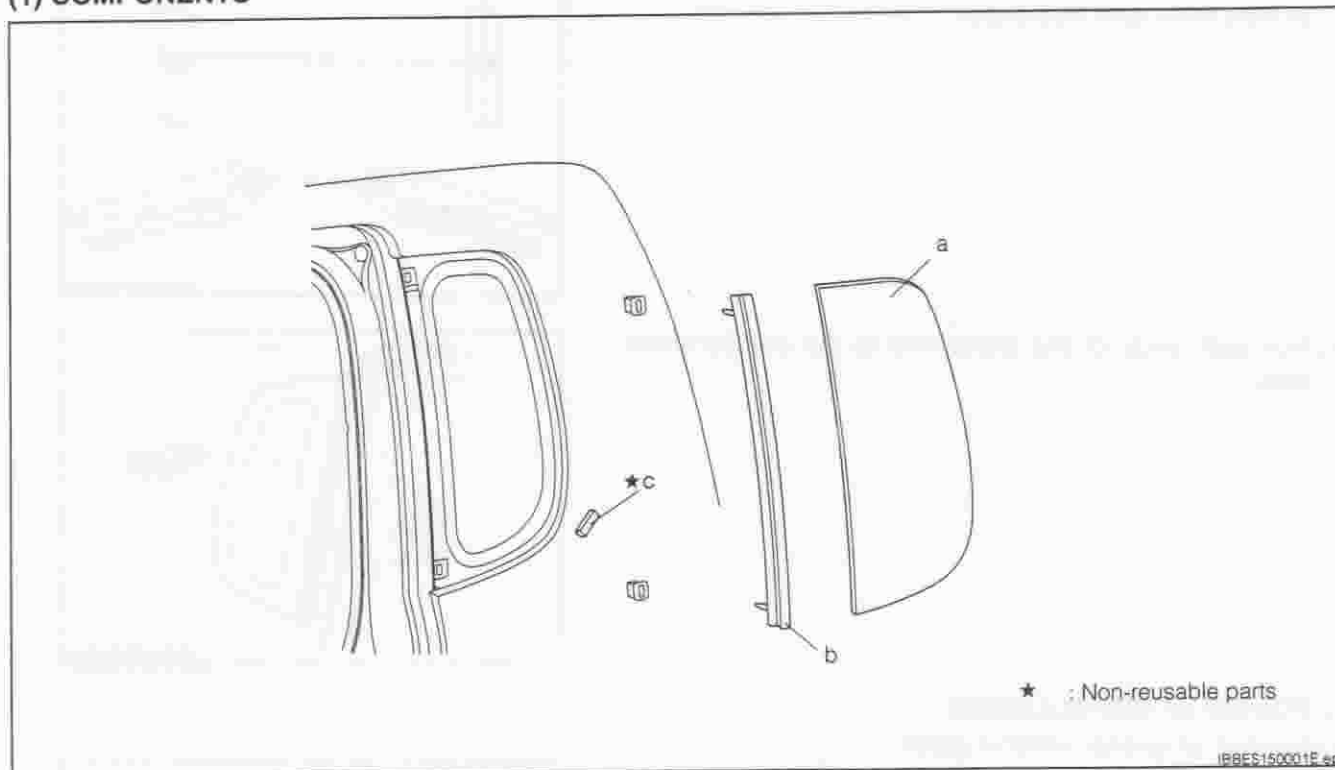
16-1-2 OPERATION BEFORE REMOVAL

1. Remove the rear door scuff plate Ay.
Refer to BBE-66.
2. Remove the lower back trim.
Refer to BBE-66.
3. Remove the deck side trim.
Refer to BBE-66.
4. Remove the rear seatbelt.
Refer to BBE-41.
5. Remove the roof side inner garnish.
Refer to BBE-66.

BBE-RQW-D-B-00001

16-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



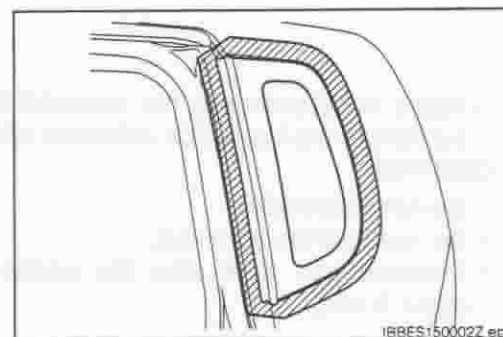
(2) REMOVAL AND INSTALLATION PROCEDURES

- ① ③ a Glass, quarter window
- 2 2 b Molding, quarter window, outside
- 3 ① c Spacer, quarter window glass

BBE-RQW-D-T-00001

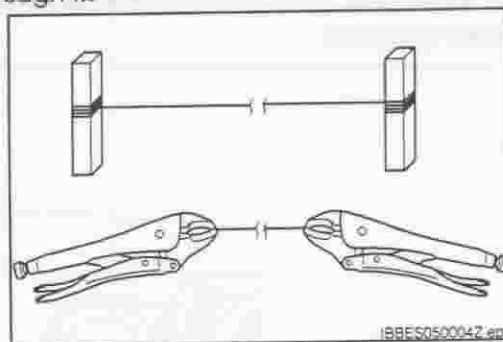
16-1-4 POINTS OF REMOVAL

1. Removal of quarter window glass
 - (1) Apply protective tape to the body area around the glass.

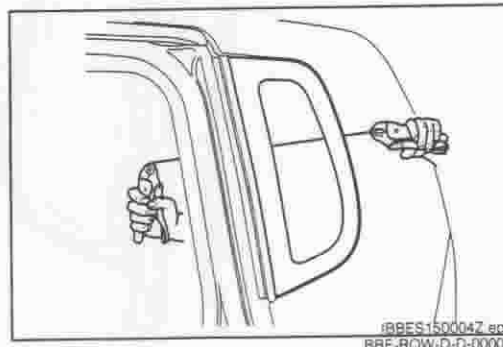


BBE-50

- (2) Make a hole in the adhesive layer and pass a piano wire through it.
- (3) Attach both ends of the piano wire to a piece of wood or hold them with vise grips.



- (4) Pull both ends of the piano wire to cut the adhesive layer.



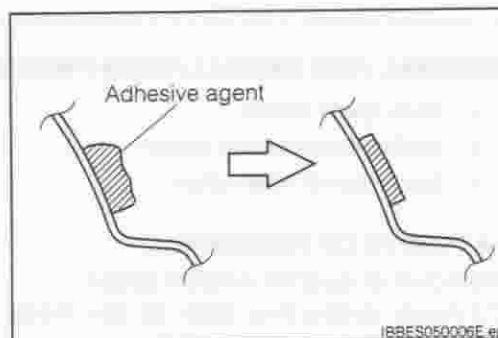
16-1-5 POINTS OF INSTALLATION

1. Installation of quarter window glass

- (1) Use a cutter knife to smooth the cut adhesive layers on the body side and glass side.

CAUTION

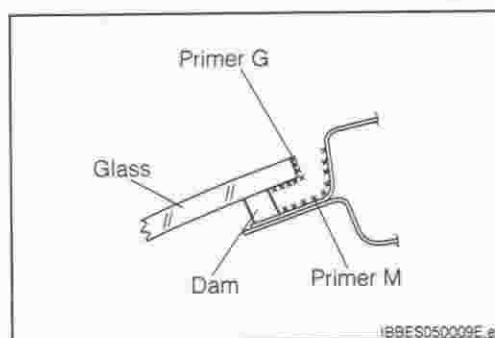
- Degrease the cutter knife.
- Leave a little of the adhesive layer.



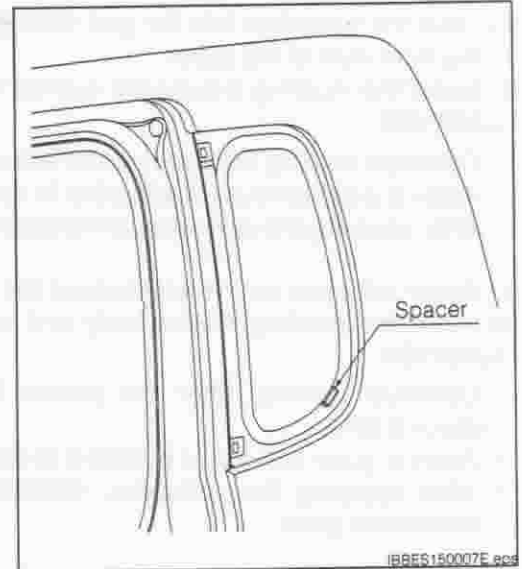
- (2) Apply body primer to the exposed areas of the body surface of the body side adhesion area.

CAUTION

- Do not coat thickly.
- Do not coat the adhesive.
- Proceed with work after the primer has dried (after about 3 min).

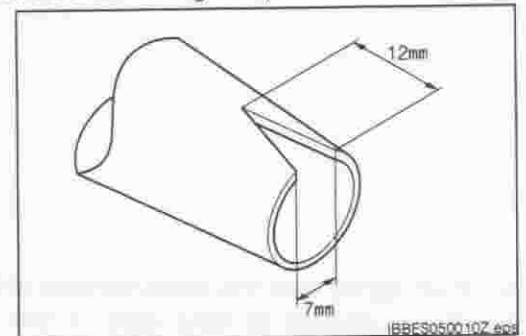


- (3) Apply a spacer to the glass installation corners as shown in the illustration at right.



- (4) When using new window quarter glass, coat the glass adhesive area with glass primer.

- (5) Cut the cartridge nozzle tip as shown in the illustration at right.



BBE-52

- (6) Load the cartridge into the gun and apply adhesive to the molding installation area in the center of the front side of the glass.
- (7) Install the molding around the quarter window glass.

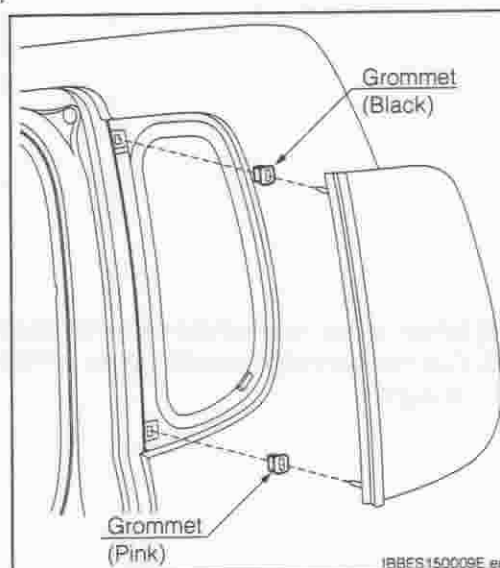
CAUTION

- Continue working after the primer has dried (after about 3 min).
- Apply a good amount of adhesive to the corners.
- After applying the adhesive, immediately install the windshield glass.

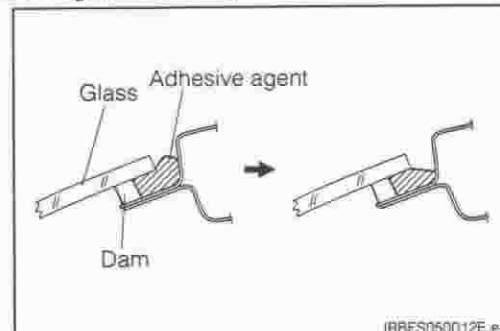
- (8) Apply adhesive all the way around the glass adhesion area.
- (9) Insert the molding into the body and install the glass.

CAUTION

- Continue working after the primer has dried (after about 3 min).
- Apply a good amount of adhesive to the corners.
- After applying the adhesive, immediately install the windshield glass.



- (10) Push lightly over the entire surface of the glass to make sure the glass is firmly installed.
- (11) Use a spatula to take care of the adhesive that is seeping out around the edge of the glass.



- (12) Check for water leaks after the adhesive has hardened.

NOTE

- If water leaks are found, reinstall the glass.
- Refer to the seal set instruction manual for information regarding the adhesive's minimum drying time.

CAUTION

- When moving the vehicle after the glass is installed, make sure the glass does not move.

BBE-RQW-D-S-00001

16-1-6 OPERATION AFTER INSTALLATION

1. Install the rear seatbelt.
Refer to BBE-41.
2. Install the roof side inner garnish.
Refer to BBE-66.
3. Install the deck side trim.
Refer to BBE-66.
4. Install the lower back trim.
Refer to BBE-66.
5. Install the rear door scuff plate Ay.
Refer to BBE-66.

BBE-RQW-D-A-00001



BBE-54

17 FUEL LID

17-1 REMOVAL AND INSTALLATION

17-1-1 PREPARATION TOOLS

	Name	Purpose
Tool	Hand riveter	Installation of fuel filler opening lid
	Electric drill	Removal of fuel filler opening lid

BBE-FLD-D-P-00001

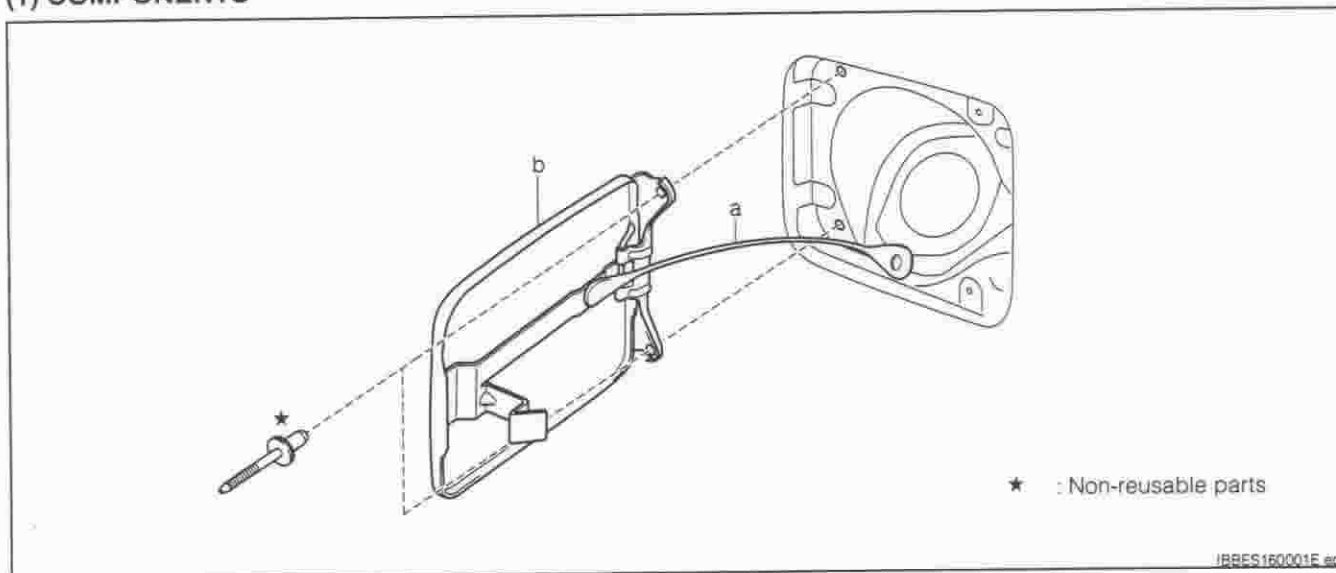
17-1-2 OPERATION BEFORE REMOVAL

1. Remove the rear door scuff plate Ay.
Refer to BBE-66.
2. Remove the center pillar lower garnish.
Refer to BBE-66.
3. Remove the lower back trim.
Refer to BBE-66.
4. Remove the deck side trim.
Refer to BBE-66.

BBE-FLD-D-B-00001

17-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 2 a Tether, fuel tank cap
- ② ① b Lid Ay, fuel filler opening

BBE-FLD-D-T-00001

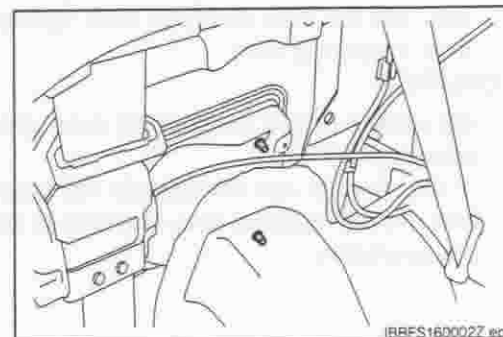
17-1-4 POINTS OF REMOVAL

1. Removal of fuel filler opening lid

- (1) Use tape, etc., to firmly hold the rivets from the inside of the vehicle.

NOTE

- This measure is taken to prevent the rivets from accidentally being dropped into the rocker.

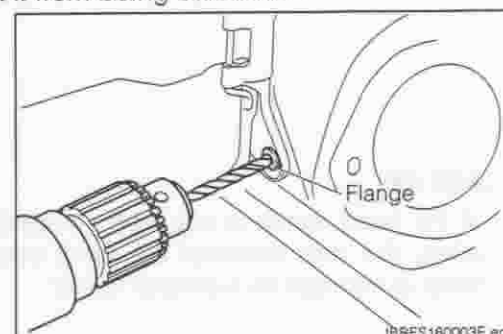


- (2) Apply protective tape to the fuel filler opening lid to prevent it from being scratched.

- (3) Lightly touch a drill perpendicularly against the rivet to drill away the rivet flange.

CAUTION

- Be careful not to scratch the fuel filler opening lid.



- (4) After the rivet flange has been drilled away, stop drilling and use pliers to remove the remaining rivet pieces.

CAUTION

- The rivets are hot right after they are drilled, so be careful not to be burned by them.

BBE-FLD-D-D-00001

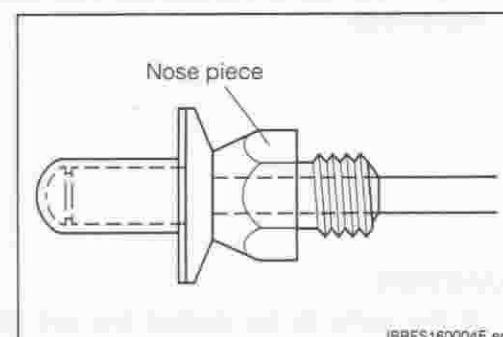
17-1-5 POINTS OF INSTALLATION

1. Installation of fuel filler opening lid

- (1) Select the smallest diameter nose piece for which the rivet mandrel can be inserted.

CAUTION

- If the wrong nose piece is selected, it could cause a rivet tightening defect or damage to the riveter.

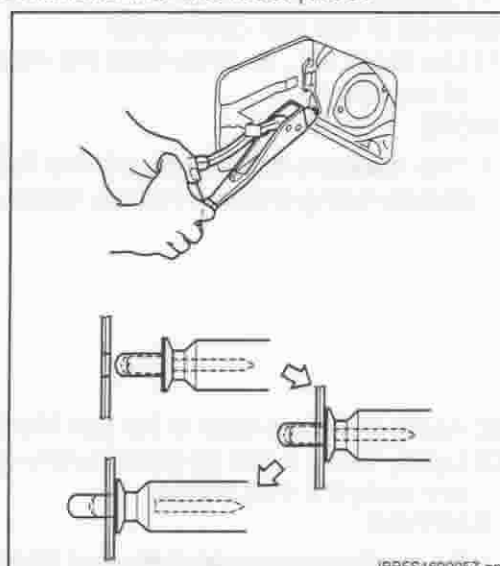


BBE-56

- (2) Attach the nose piece to the hand riveter and insert the rivet mandrel into the nose piece.
- (3) With the rivet forcefully pushed perpendicularly all the way into the rivet insertion hole, operate the hand riveter to install the rivet.

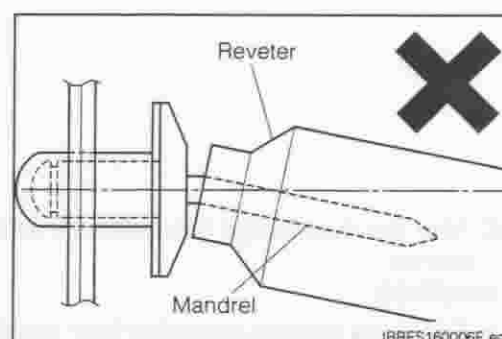
CAUTION

- Be careful not to scratch the area around the fuel filler opening lid.
- If the rivet is not completely tightened the during the first riveting attempt (the mandrel is not cut off), repeat the operation.



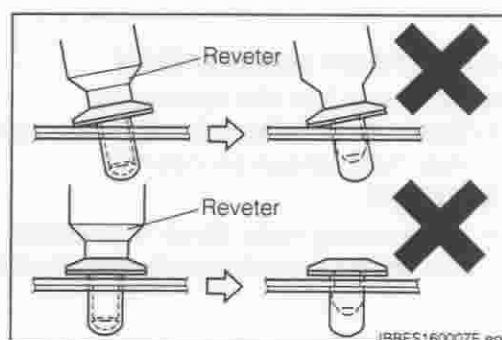
CAUTION

- If the hand riveter is not held perpendicularly while riveting, the rivet mandrel will bend causing riveting defects or damage to the hand riveter.



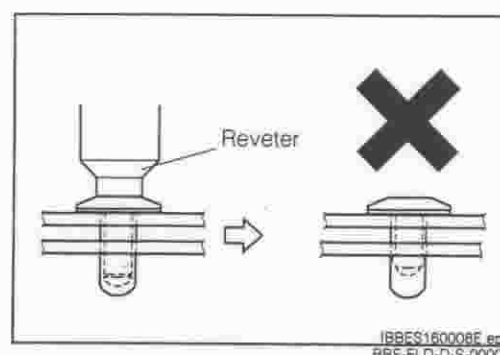
CAUTION

- If riveting is conducted with the hand riveter when the rivet is slanted or sticking up, then there could be riveting defects.



CAUTION

- If the parts to be riveted are not held against each other during riveting, then there could be riveting defects.



18 FUEL LID OPENER CONTROL CABLE

18-1 REMOVAL AND INSTALLATION

18-1-1 OPERATION BEFORE REMOVAL

1. Disconnect the negative terminal of the battery (Vehicles equipped with side airbags)

CAUTION

- When the negative terminal of the battery is disconnected, the memories of all system ECUs and the radio settings will be erased, so after the power is restored these need to be reset.

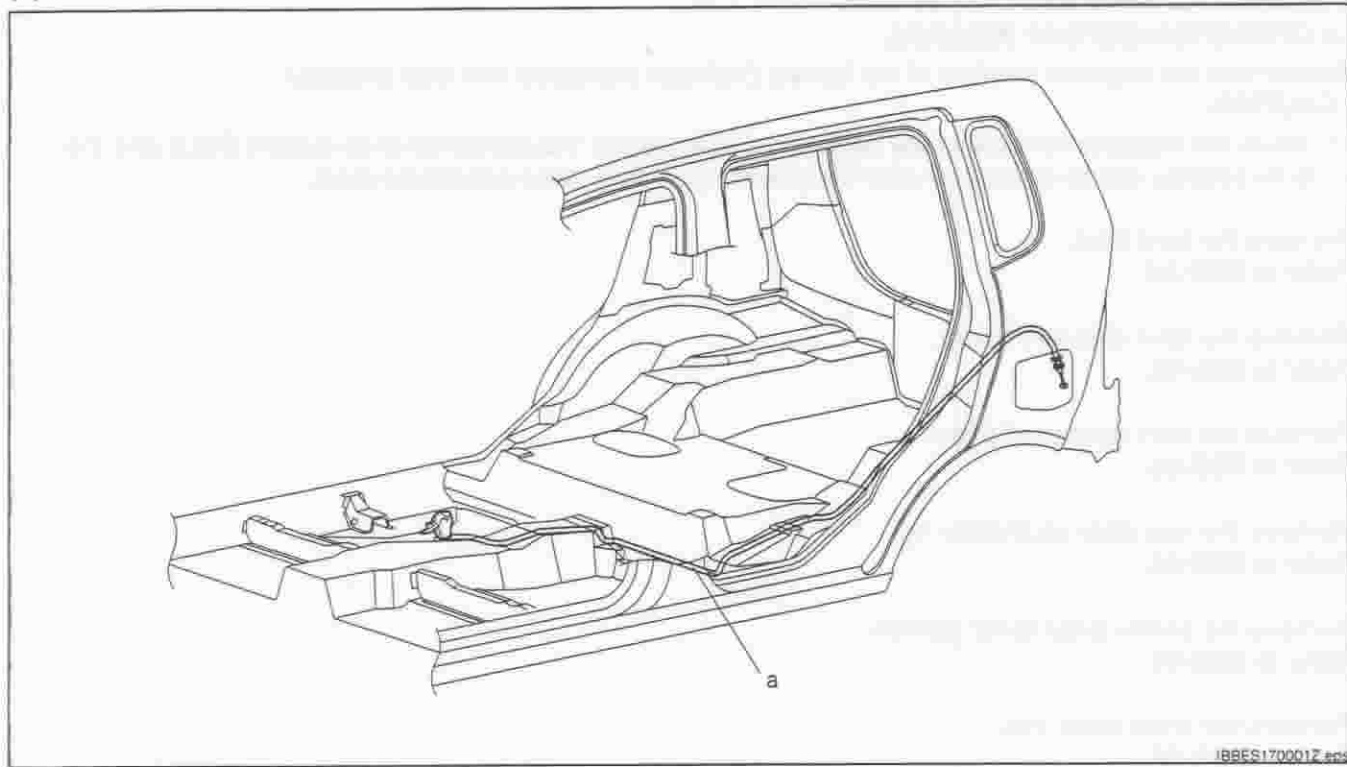
2. Remove the front seat.
Refer to BBE-3.4
3. Remove the cowl side trim board.
Refer to BBE-66.
4. Remove the front door scuff plate.
Refer to BBE-66.
5. Remove the rear door scuff plate Ay.
Refer to BBE-66.
6. Remove the center pillar lower garnish.
Refer to BBE-66.
7. Remove the lower back trim.
Refer to BBE-66.
8. Remove the deck side trim.
Refer to BBE-66.
9. Remove the front seatbelt.
10. Remove the console panel.
11. Remove the fuel lid opener lever.
12. Remove the console rear box Ay.
13. Pull back the floor carpet.

BBE-FLC-D-B-00001

BBE-58

18-1-2 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



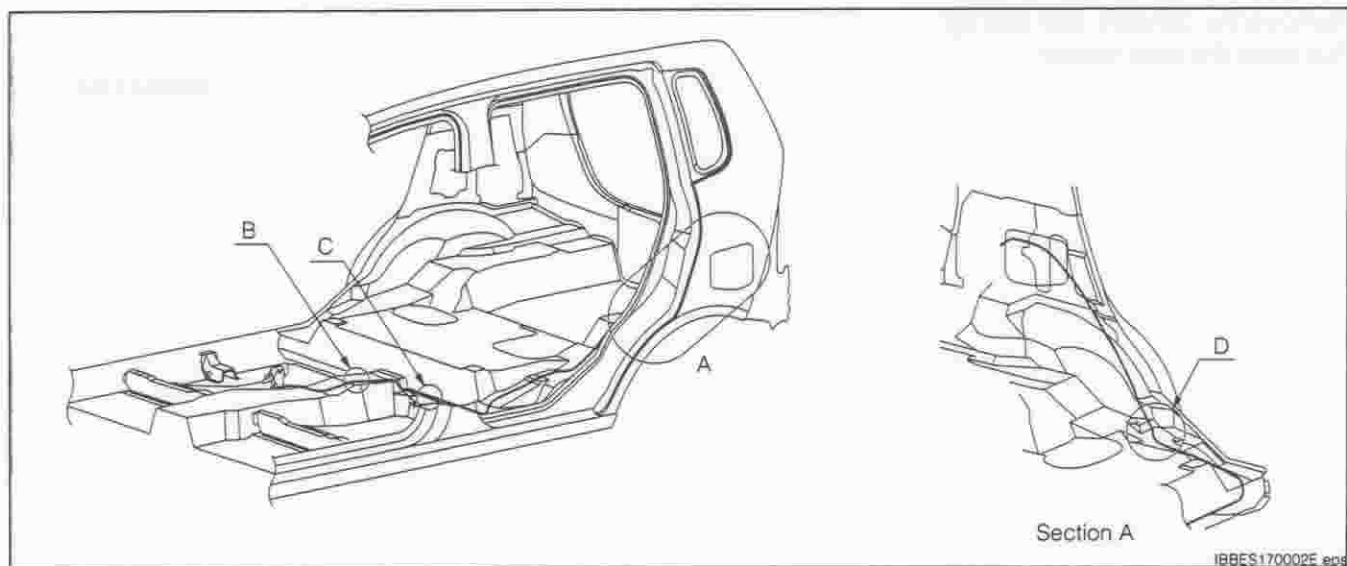
(2) REMOVAL AND INSTALLATION PROCEDURES

1. ① a Lock S/A, fuel filler opening lid

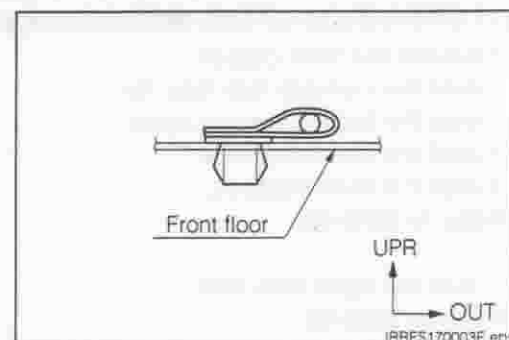
BBE-FLC-D-T-00001

18-1-3 POINTS OF INSTALLATION

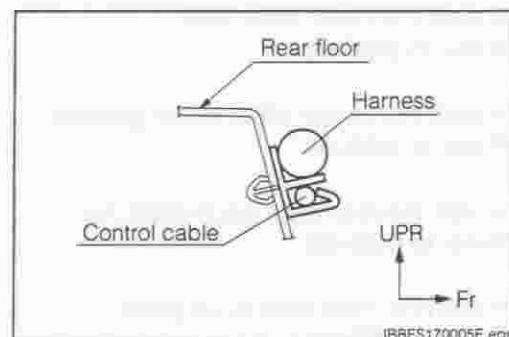
1. Installation of fuel lid opener control cable



- (1) Install so that the B area cable band faces the outside of the vehicle.



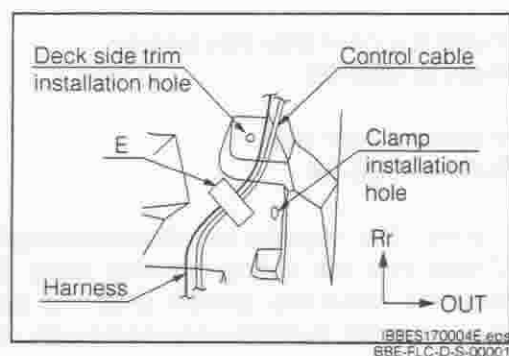
- (2) Attach the C area clamp with harness to the control cable.



- (3) Hold the cable with tape so that it passes through the center of the two holes in the illustration.

CAUTION

- For E, hold it with tape so that it passes through the center of the two holes.



BBE-60

18-1-4 OPERATION AFTER INSTALLATION

1. Replace the floor carpet.
2. Install the console rear box Ay.
3. Install the fuel lid opener lever.
4. Install the console panel.
5. Install the front seatbelt.
Refer to BBE-36.
6. Install the deck side trim.
Refer to BBE-66.
7. Install the lower back trim.
Refer to BBE-66.
8. Install the center pillar lower garnish.
Refer to BBE-66.
9. Install the rear door scuff plate Ay.
Refer to BBE-66.
10. Install the front door scuff plate.
Refer to BBE-66.
11. Install the cowl side trim board.
Refer to BBE-66.
12. Install the front seat.
Refer to BBE-34.
13. Connect the negative terminal of the battery (Vehicles equipped with side airbags)
14. Check that the airbag warning lamp lights for about 6 seconds when the ignition switch is turned to "ON" and then turns off. (Vehicles equipped with side airbags)



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BBE-FLC-D-A-00001

19 ROOF MOLDING

19-1 REMOVAL AND INSTALLATION

19-1-1 PREPARATION TOOLS

	Name
Tool	Sealant gun
	Cutter knife
Adhesive	Adhesive, Primer M, Primer G
Others	Protective tape

BBE-RFM-D-P-00001

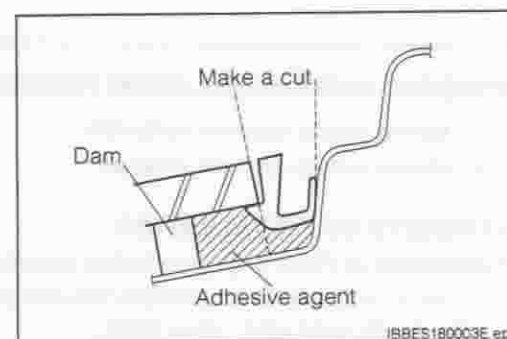
19-1-2 OPERATION BEFORE REMOVAL

1. Removal of roof drip side finish center molding
 - (1) Use a cutter knife to cut off the top of the molding from the molding windshield glass area.



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- (2) Make a cutout in the remaining part and then peel off the molding with your hand.

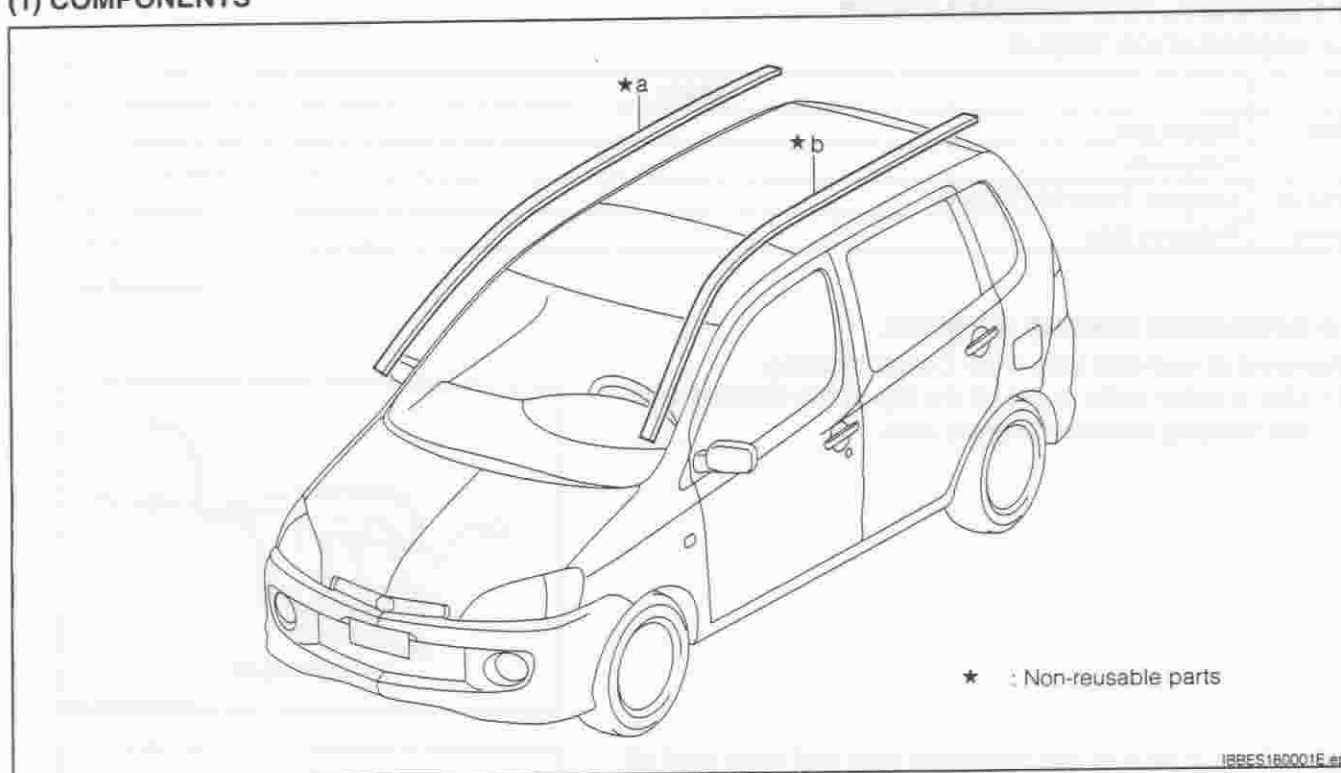


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BBE-RFM-D-B-00001

BBE-62

19-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 ② a Molding, roofdrip side finish, center right
- 2 ① b Molding, roofdrip side finish, center left

BBE-RPM-D-T-00001

19-1-4 POINTS OF INSTALLATION

1. Installation of Roof drip side finish center molding
 - (1) Use a cutter knife to smooth the cut adhesive layers on the body side and glass side.

CAUTION

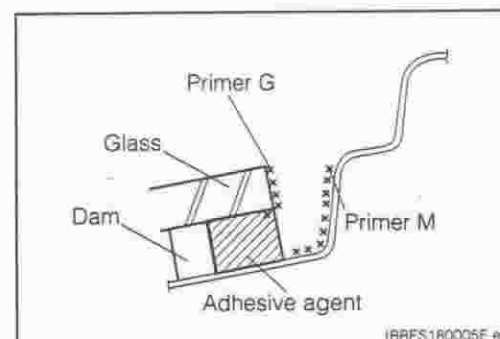
- Degrease the cutter knife.
- Leave a little of the adhesive layer.



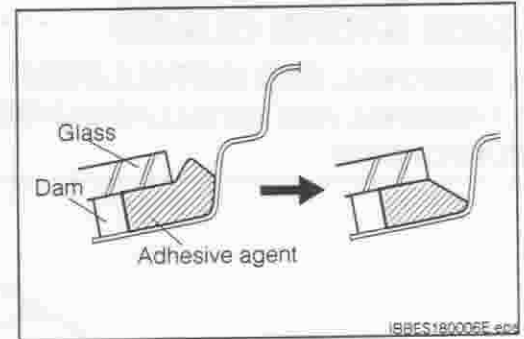
- (2) Apply body primer to the exposed areas of the body surface of the body side adhesion area.

CAUTION

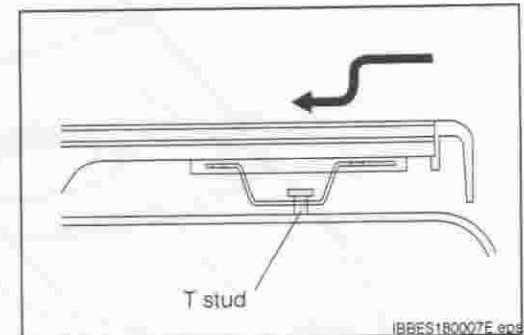
- Do not coat thickly.
- Do not coat the adhesive.
- Proceed with work after the primer has dried (after about 3 min).



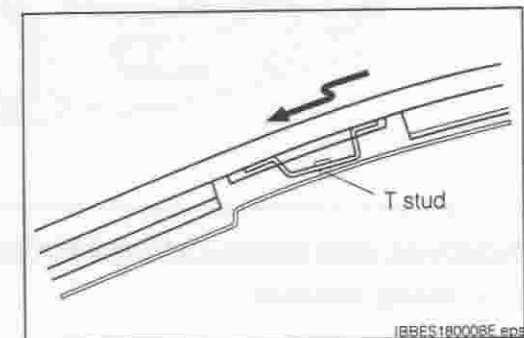
- (3) Apply adhesive and use a spatula to take care of the adhesive that is seeping out around the edge of the glass.



- (4) At the roof panel rear side T stud, insert the roof molding side bracket into vehicle front side and join them.



- (5) At the roof panel front side T stud, insert the roof molding side bracket into vehicle front side and loosely fasten them.



- (6) Face the roof molding from the vehicle rear to the front and then install the roof molding while pressing it in.
(7) Install the roof molding windshield glass before the adhesive hardens.

BBE-RFM-D-S-00001

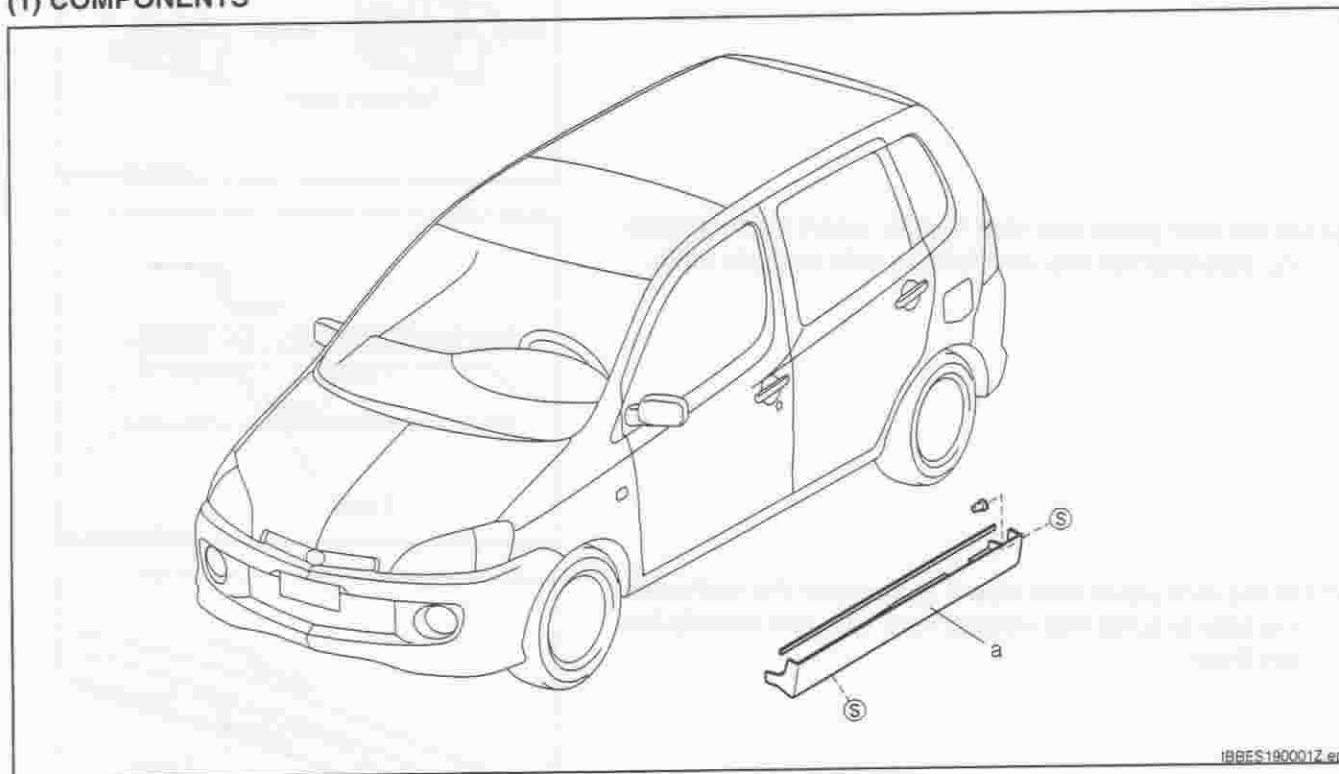
BBE-64

20 SIDE STONE GUARD

20-1 REMOVAL AND INSTALLATION

20-1-1 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 1 a Molding, rocker-panel

BBE-SSG-D-T-00001

21 REAR SPOILER

21-1 REMOVAL AND INSTALLATION

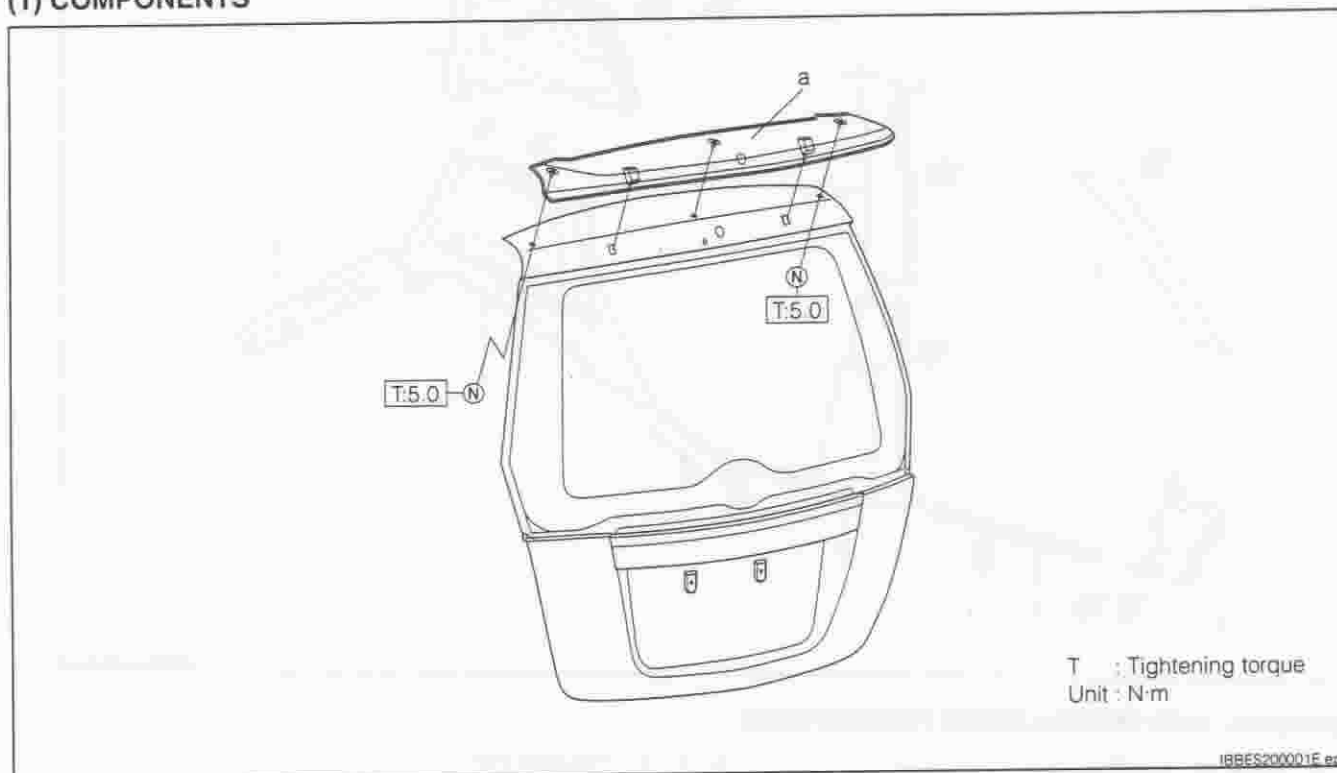
21-1-1 OPERATION BEFORE REMOVAL

1. Remove the high-mounted stop lamp.

BBE-RSP-D-B-00001

21-1-2 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 1 a Spoiler S/A, rear

BBE-RSP-D-T-00001

21-1-3 OPERATION AFTER INSTALLATION

1. Install the high-mounted stop lamp.

BBE-RSP-D-A-00001

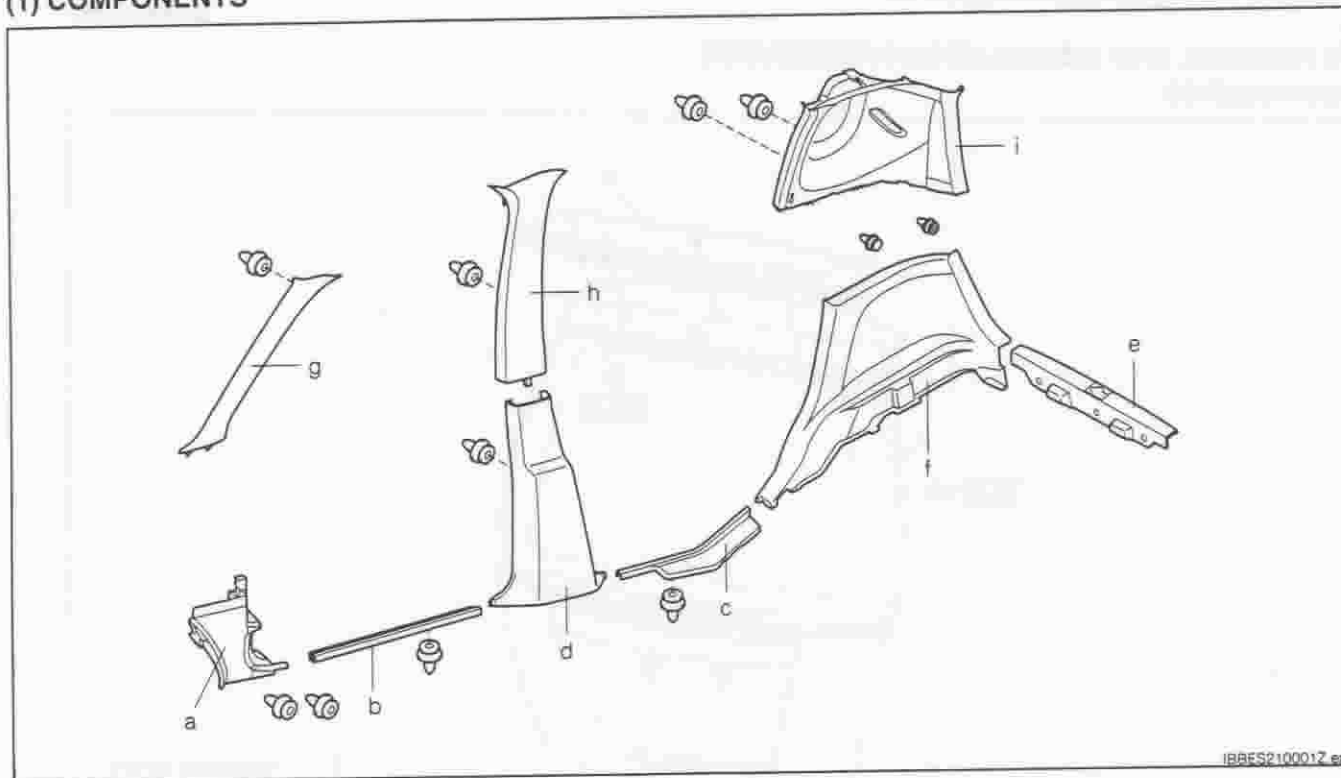
BBE-66

22 TRIM AND GARNISH

22-1 REMOVAL AND INSTALLATION

22-1-1 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 9 a Board, cowl side trim
- 2 8 b Plate, front door scuff
- 3 7 c Plate, rear door scuff
- 4 6 d Garnish, center pillar, lower
- 5 5 e Trim, lower back

- 6 4 f Trim, deck side
- 7 3 g Garnish, front pillar
- 8 2 h Garnish, center pillar, upper
- 9 1 i Garnish, roof side inner

BBE-TAG-D-T-00001

23 ROOF HEADLINING

23-1 REMOVAL AND INSTALLATION

23-1-1 OPERATION BEFORE REMOVAL

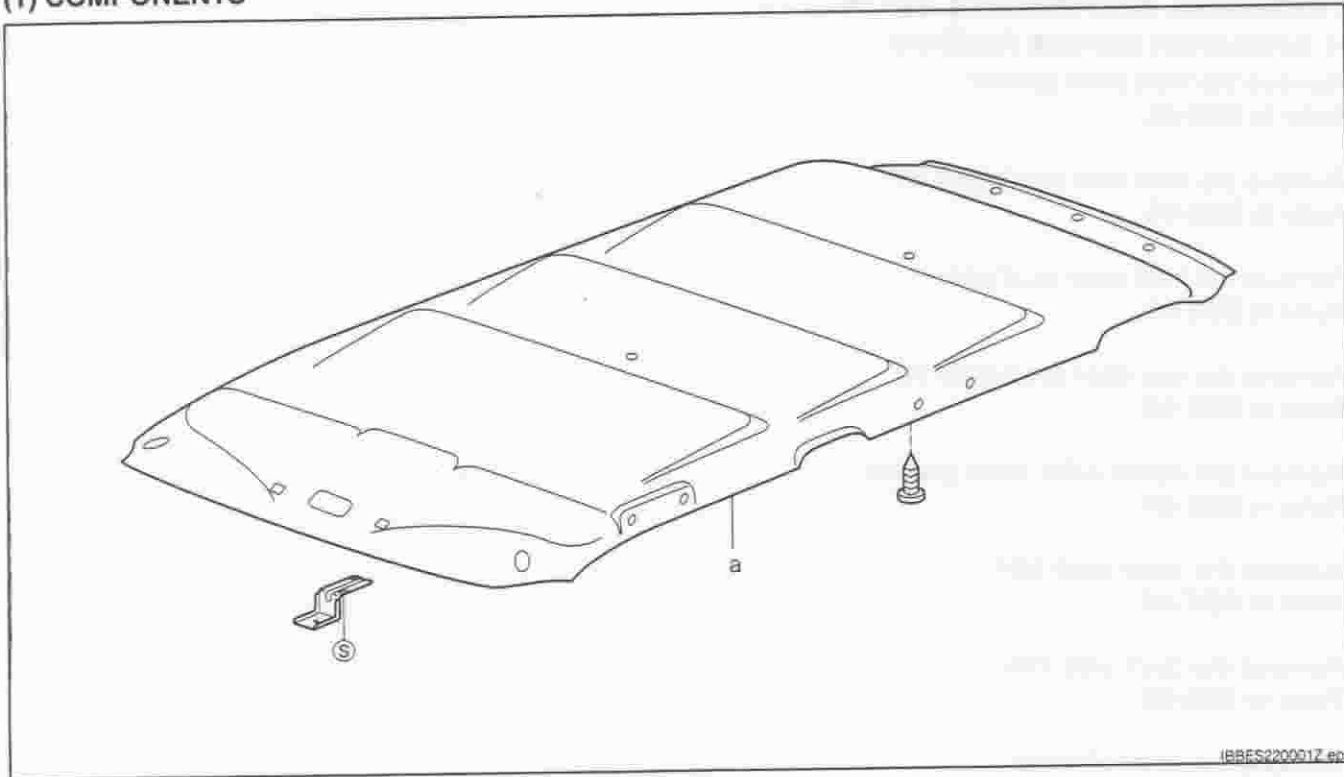
1. Remove the front pillar garnish.
Refer to BBE-66.
2. Remove the cowl side trim board S/A.
Refer to BBE-66.
3. Remove the front door scuff plate.
Refer to BBE-66.
4. Remove the rear door scuff plate Ay.
Refer to BBE-66.
5. Remove the center pillar lower garnish.
Refer to BBE-66.
6. Remove the lower back trim.
Refer to BBE-66.
7. Remove the deck side trim.
Refer to BBE-66.
8. Remove the seatbelt outer.
Refer to BBE-36.
9. Remove the center pillar garnish.
Refer to BBE-66.
10. Remove the roof side inner garnish.
Refer to BBE-66.
11. Remove the inner rear view mirror.
12. Remove the room lamp.
13. Remove the sun visors.
14. Remove the assist grips.
15. Remove the sun roof opening trim molding.

BBE-RFH-D-B-00001

BBE-68

23-1-2 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

1 1 a Head lining Ay, roof

BBE-RFH-D-T-00001

23-1-3 OPERATION AFTER INSTALLATION

1. Install the center pillar garnish.
Refer to BBE-66.
2. Install the seatbelt outer.
Refer to BBE-36.
3. Install the roof side inner garnish.
Refer to BBE-66.
4. Install the front pillar garnish.
Refer to BBE-66.
5. Install the inner rear view mirror.
6. Install the room lamp.
7. Install the sun visors.
8. Install the assist grips.
9. Install the sun roof opening trim molding.
10. Install the deck side trim.
Refer to BBE-66.
11. Install the lower back trim.
Refer to BBE-66.
12. Install the center pillar lower garnish.
Refer to BBE-66.
13. Install the rear door scuff plate Ay.
Refer to BBE-66.
14. Install the front door scuff plate.
Refer to BBE-66.
15. Install the cowl side trim board S/A.
Refer to BBE-66.

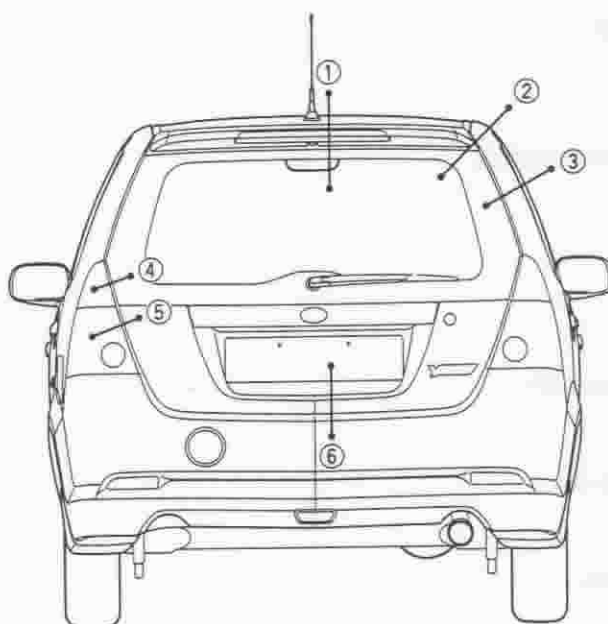
BBE-RFH-D-A-00001

BBE-70

24 BACK DOOR

24-1 BASIC CHECK

24-1-1 CHECK OF DOOR GAP



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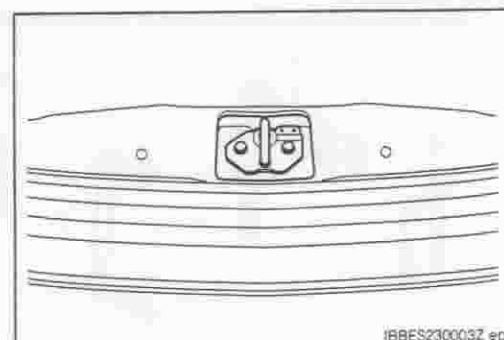
Measuring point	Specified gap	Stagger	Difference between right and left sides	Deviation value
① : Roof panel X Back door panel	6.3 ± 1.5	-1 ± 1.5	-	Not to exceed 2.0
② : Side outer panel X Back door panel	5.0 ± 1.5	-2.9 ± 1.5	Not to exceed 2.0	Not to exceed 1.5
③ : Side outer panel X Back door glass	4.8 ± 1.5	3.9 ± 1.5	-	-
④ : Rear combination lamp X Back door glass	4.9 ± 1.5	6.2 ± 1.5	-	-
⑤ : Rear combination lamp X Back door panel	4.8 ± 1.5	7.4 ± 1.5	-	-
⑥ : Rear bumper X Back door panel	7.3 ± 1.5	-	-	-

Unit : mm

BBE-BDR-I-G-00001

24-1-2 DOOR GAP ADJUSTMENT

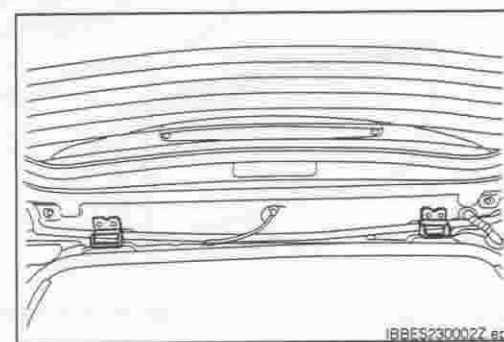
1. Door gap adjustment
 - (1) Loosen the bolts holding the body side hinge and adjust the mounting.



2. Door lock striker adjustment
 - (1) Make sure the door mount and lock are installed correctly.
 - (2) Loosen the bolts holding the lock striker.
 - (3) Use a plastic hammer and adjust the lock striker position.

CAUTION

- If there is protective tape or paint on the lock striker, be careful not to scratch it.



24-2 REMOVAL AND INSTALLATION

24-2-1 PREPARATION TOOLS

Lubricant	MP Glease
Adhesive	Butyl tape

BBE-BDR-D-P-00001

24-2-2 OPERATION BEFORE REMOVAL

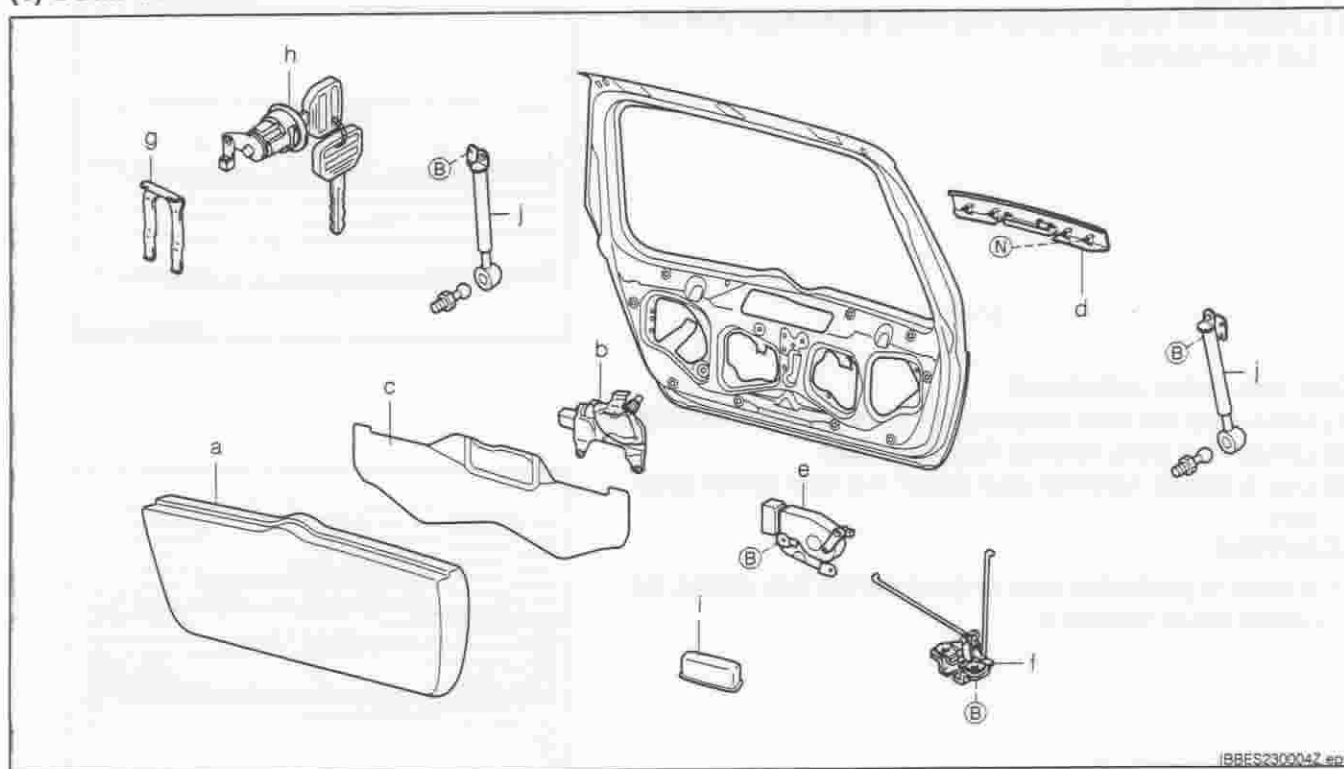
1. Remove the rear wiper arm.
2. Remove the rear wiper link cap.

BBE-BDR-D-B-00001

BBE-72

24-2-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



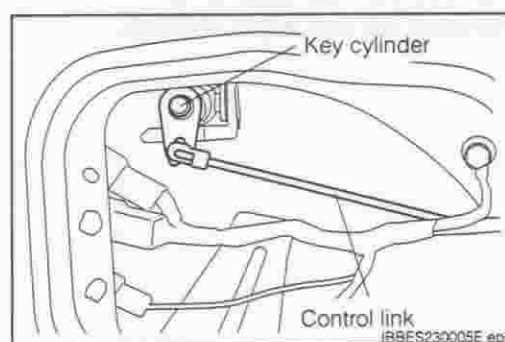
(2) REMOVAL AND INSTALLATION PROCEDURES

- | | | | | | | | |
|---|----|---|--------------------------------------|----|---|---|--------------------------------------|
| 1 | 10 | a | Board, back door trim | 6 | ⑤ | f | Lock Ay, retainer |
| 2 | 9 | b | Motor Ay, rear wiper | 7 | 4 | g | Retainer, lock cylinder |
| 3 | ⑧ | c | Cover, back door service hole, No. 1 | 8 | 3 | h | Cylinder and key set, back door lock |
| 4 | 7 | d | Handle Ay, back door | 9 | 2 | i | Handle, door pull |
| 5 | ⑥ | e | Actuator Ay, back door lock | 10 | 1 | j | Stay Ay, back door |

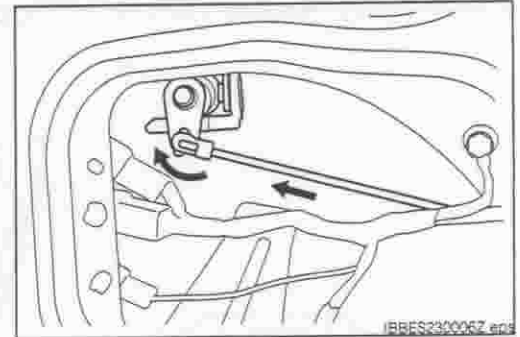
BBE-BDR-D-T-00001

24-2-4 POINTS OF INSTALLATION

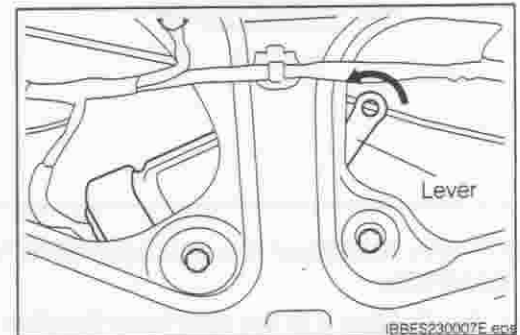
- Installation of back door control link
 - Connect the back door control link to the key cylinder.



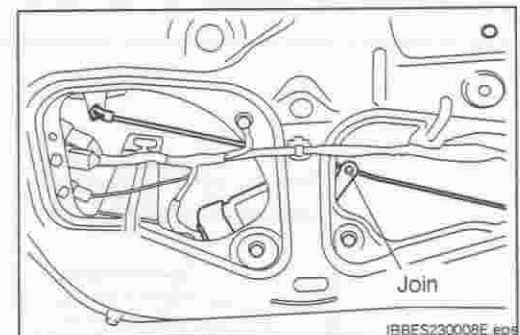
(2) Push in the back door control link to lock it.



(3) Turn the back door lock actuator Ay lever in the back door lock direction.



(4) In this state, connect the back door lock actuator Ay lever and the back door control link.



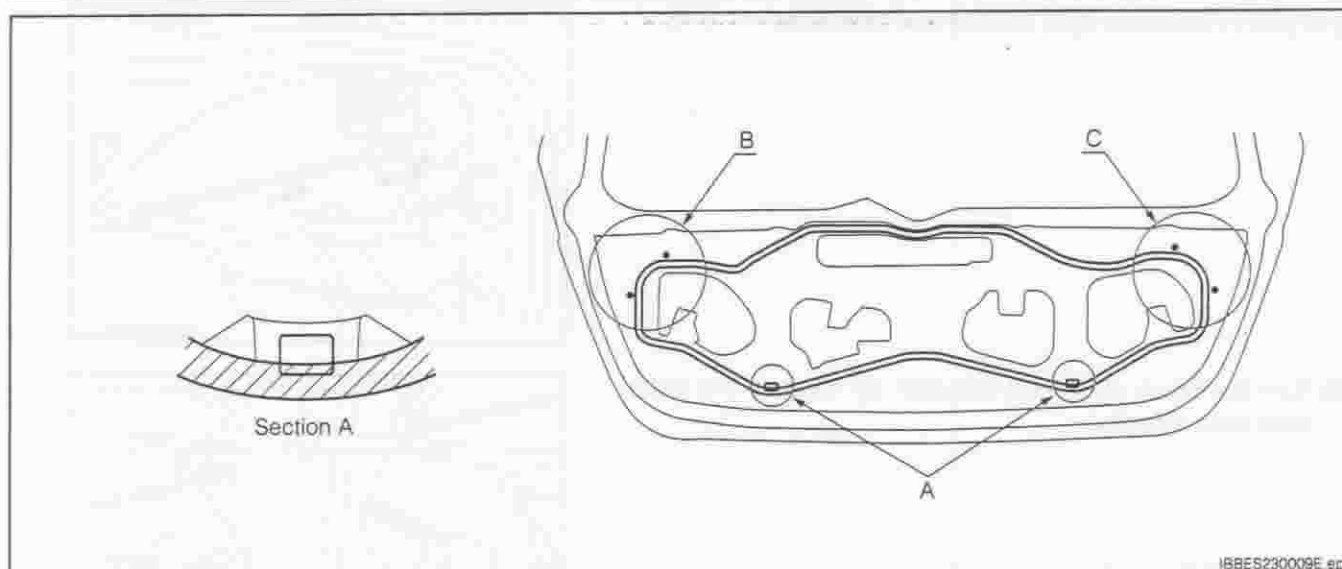
2. Installation of back door service hole cover

(1) Apply butyl tape without stretching it along the panel groove in the position shown in the following illustration.

CAUTION

- For Area A, cover the bottom edge of the hole with butyl tape.
- Slope the butyl path facing the hole and apply it so that the hole center is at the lowest point.

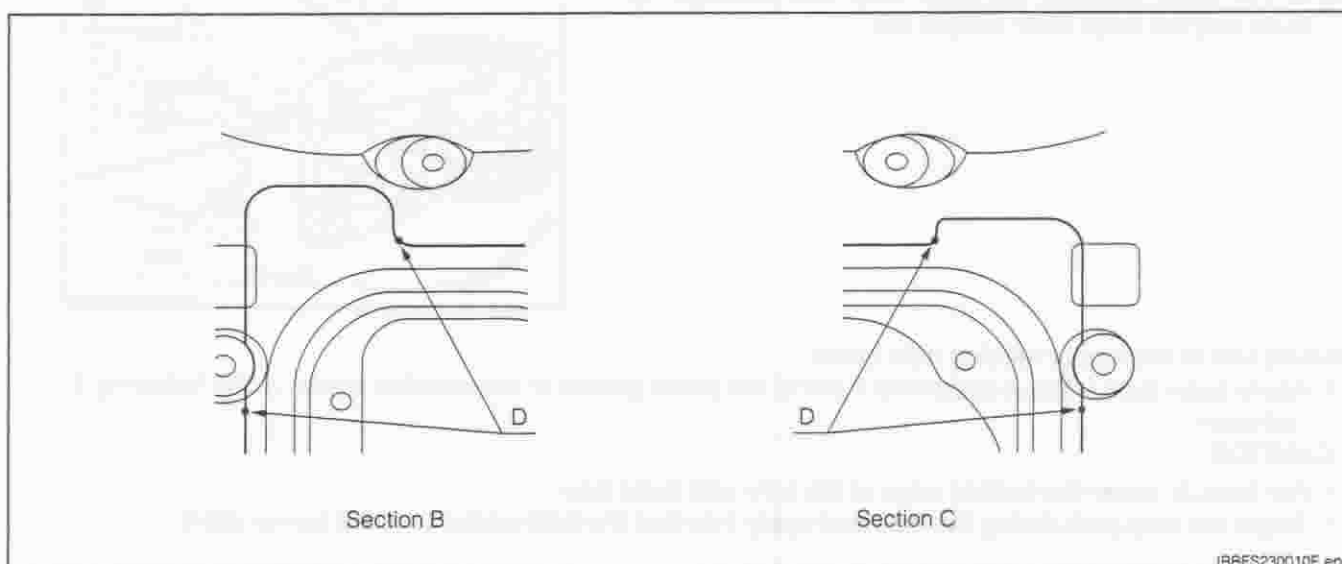
BBE-74



(2) Firmly hold down the area applied with butyl tape and install the back door service hole cover.

CAUTION

- For D, align it to the door inner location and apply it.
- If the back door service is cracked, water could leak in, so replace it.



24-2-5 OPERATION AFTER INSTALLATION

1. Install the rear wiper link cap.
2. Install the rear wiper arm.

BBE-BDR-D-A-00001

25 BACK DOOR WINDOW

25-1 REMOVAL AND INSTALLATION

25-1-1 PREPARATION TOOLS

	Name
Tool	Sealant gun
	Wodden block or Bias clip
	Knife
	Rubber suction cups
Adhesive	Adhesive, Primer M, Primer G
Others	Protective tape, Piano wire

(1) ADHESIVE HANDLING PRECAUTIONS

- (1) Store in a cool, dark location.
- (2) Do not reuse adhesive and primer that have been used once.
- (3) When storing in a low-temperature location, warm up the material before use.
- (4) Keep away from fire and hot objects.

BBE-BDW-D-P-00001

25-1-2 OPERATION BEFORE REMOVAL

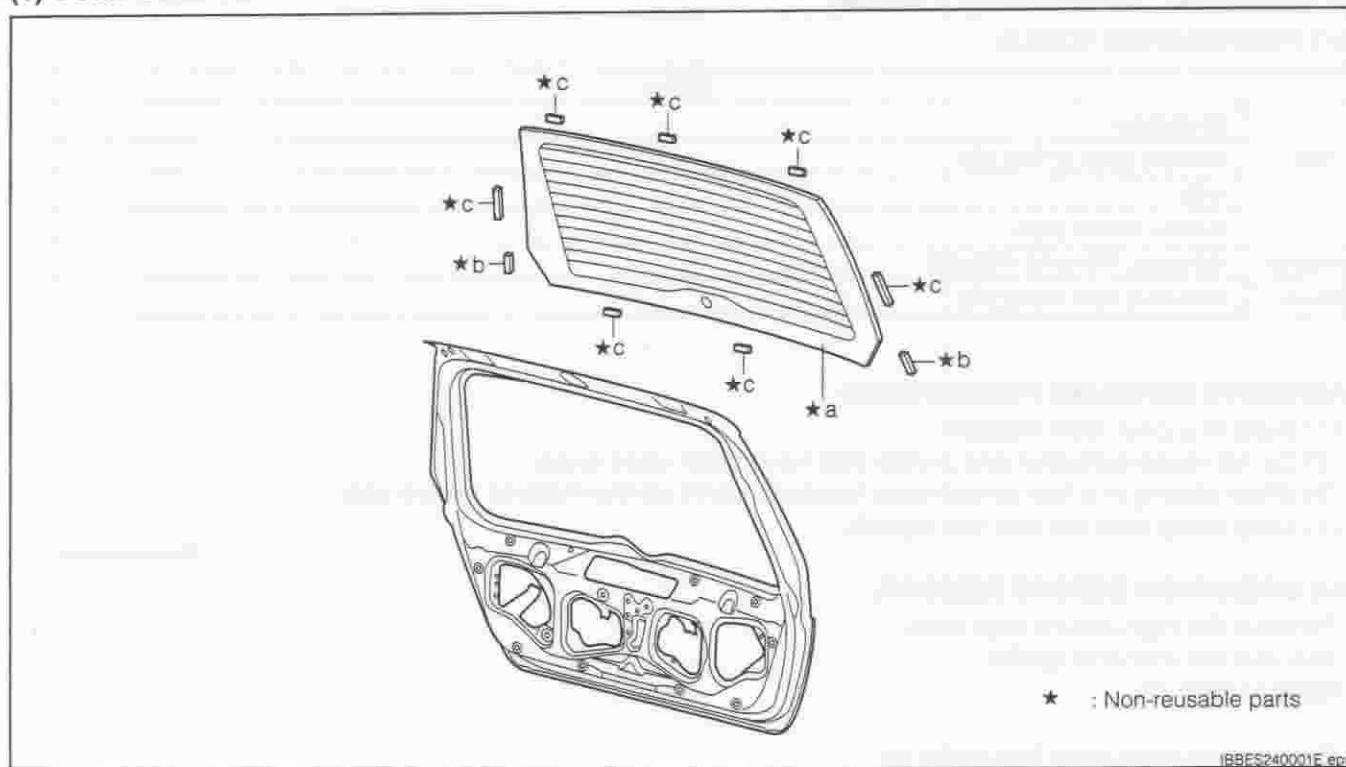
1. Remove the high-mount stop lamp.
2. Remove the roof end spoiler.
Refer to BBE-65.
3. Remove the back door trim panel Ay.
Refer to BBE-72.
4. Remove the back door service hole cover.
Refer to BBE-72.
5. Remove the back door handle Ay.
Refer to BBE-72.
6. Remove the rear wiper arm.
7. Remove the rear wiper link cap.
8. Remove the rear wiper motor.
9. Remove the rear washer nozzle.

BBE-BDW-D-B-00001

BBE-76

25-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



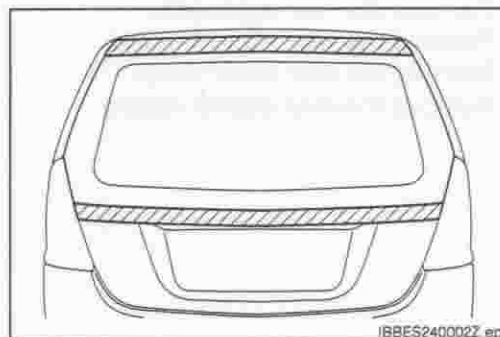
(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 ③ a Glass, back door
- 2 ② b Clip, back window glass
- 3 ① c Spacer, back window glass

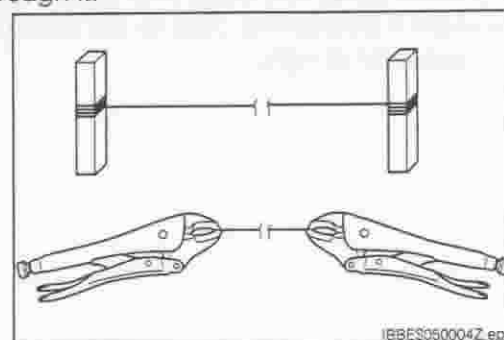
BBE-BDW-D-T-00001

25-1-4 POINTS OF REMOVAL

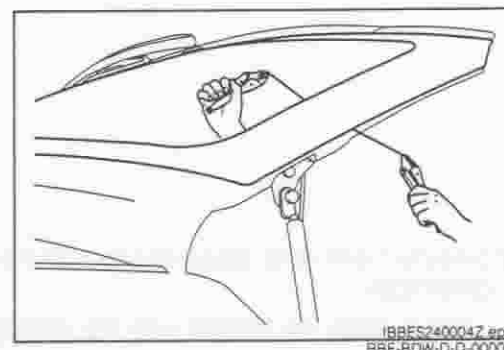
1. Removal of back door glass
(1) Apply a protective seal to the body around the edge of the glass.



- (2) Make a hole in the adhesive layer and pass a piano wire through it.
- (3) Attach both ends of the piano wire to a piece of wood or hold them with vise grips.



- (4) Pull both ends of the piano wire to cut the adhesive layer.



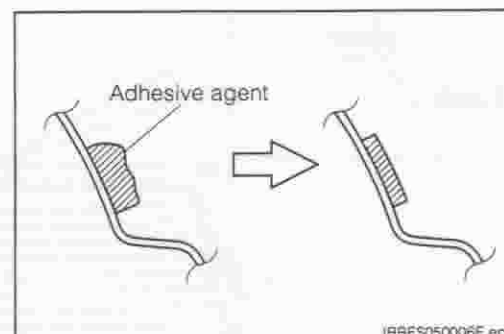
25-1-5 POINTS OF INSTALLATION

1. Installation of back door glass

- (1) Use a knife to smooth the cut adhesive layers on the body side and glass side.

CAUTION

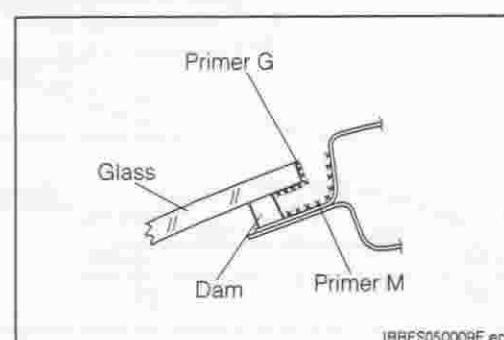
- Degrease the knife.
- Leave a little of the adhesive layer.



- (2) Apply body primer to the exposed areas of the body surface of the body side adhesion area.

CAUTION

- Do not coat thickly.
- Do not coat the adhesive.
- Proceed with work after the primer has dried (after about 3 min).

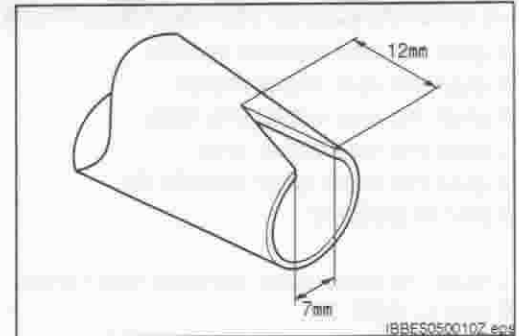


-
- UPR
- OUT
- Defogger end
- Unit : mm
- 70.5
- 32
- IBBFS240007E

- ### CAUTION

-
- Unit : mm
- Diagram showing the rear view of a vehicle with callouts for spacer dimensions:
- Top left callout: Spacer, 2
 - Top right callout: Spacer, 5, 6
 - Bottom left callout: Spacer, 16, 185, 185
 - Bottom right callout: Defogger end, Spacer, 20, A

- (6) Cut the cartridge nozzle tip as shown in the illustration at right.

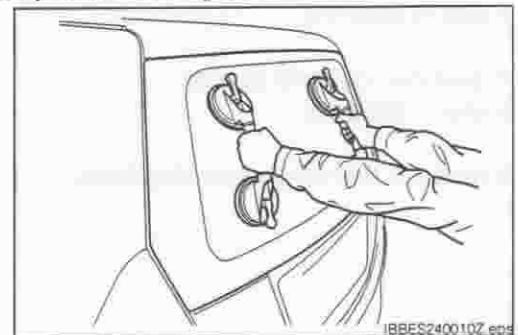


- (7) Load the cartridge into the gun and apply adhesive all the way around the glass adhesion area.

- (8) Insert the positioning stopper into the body and use suction cups to install the glass.

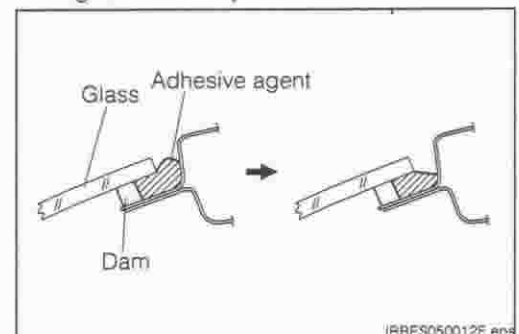
CAUTION

- Continue working after the primer has dried (after about 3 min).
- Apply a good amount of adhesive to the corners.
- After applying the adhesive, immediately install the windshield glass.



- (9) Push lightly over the entire surface of the glass to make sure the glass is firmly installed.

- (10) Use a spatula to take care of the adhesive that is seeping out around the edge of the glass.



- (11) Check for water leaks after the adhesive has hardened.

NOTE

- If water leaks are found, reinstall the glass.
- Refer to the seal set instruction manual for information regarding the adhesive's minimum drying time.

CAUTION

- When moving the vehicle after the glass is installed, make sure the glass does not move.

BBE-BDW-D-S-00001

BBE-80

25-1-6 OPERATION AFTER INSTALLATION

1. Install the rear washer nozzle.
2. Install the rear wiper motor.
3. Install the rear wiper link cap.
4. Install the rear wiper arm.
5. Install the back door handle Ay.
Refer to BBE-72.
6. Install the back door service hole cover.
Refer to BBE-72.
7. Install the back door trim panel Ay.
Refer to BBE-72.
8. Install the roof end spoiler.
Refer to BBE-65.
9. Install the high-mounted stop lamp.

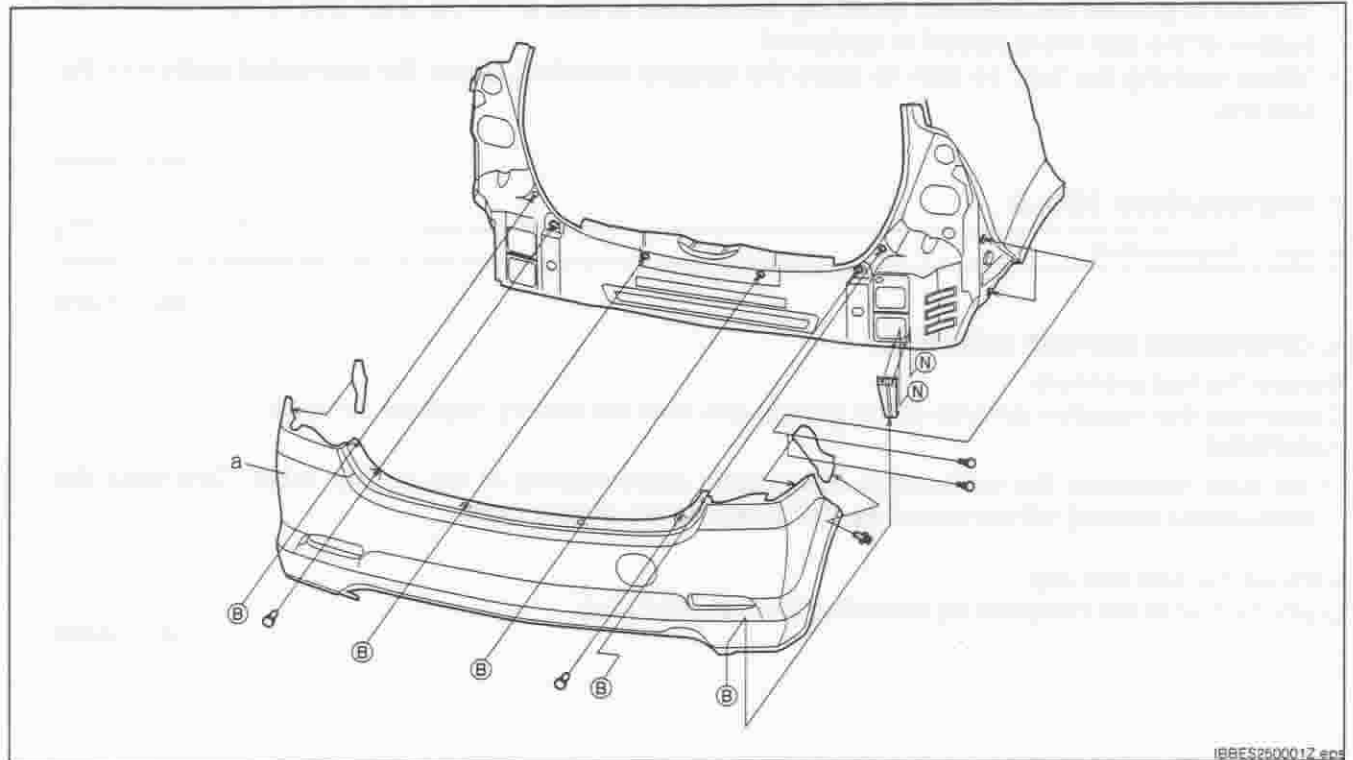
BBE-8DW-D-A-00001

26 REAR BUMPER

26-1 REMOVAL AND INSTALLATION

26-1-1 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 2 a Cover, rear bumper
- 2 1 b Lamp Ay, back fog

BBE-RBM-D-7-00001

BBE-82

27 FUEL TANK

27-1 REMOVAL AND INSTALLATION

WARNING

- Never work near open flame or never smoke near the working site of fuel-related components.
- Be sure to prevent the fuel from splashing with a close or like, when the union bolt or other connected section of the fuel line is loosed or slackened.
- When draining the fuel, be sure to place the suitable container, under the connected section of the fuel line.

BBE-FT-D-Z-00010

27-1-1 PREPARATION TOOLS

Instrument	Torque wrench
------------	---------------

BBE-FT-D-P-00010

27-1-2 OPERATION BEFORE REMOVAL

1. Relieve the fuel pressure.
2. Disconnect the negative terminal of the ground wire from the battery negative terminal.

CAUTION

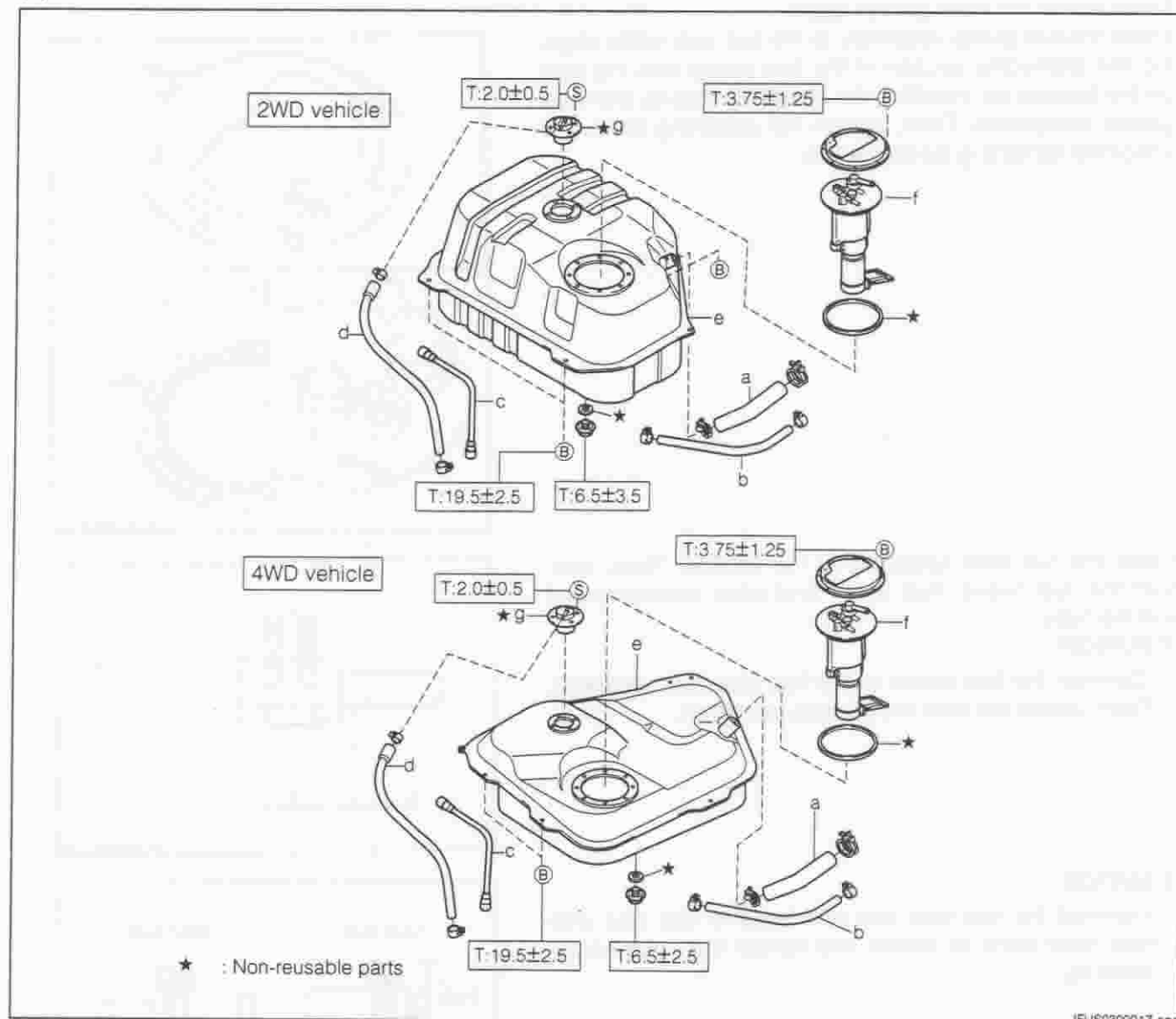
- Be sure memorize the malfunction code before disconnecting of the battery cable. Otherwise the malfunction code(s) will be erased by disconnecting the battery cable.

3. Remove the fuel filler cap.
4. Drain the fuel to the container by removing the fuel drain plug.

BBE-FT-D-B-00010

27-1-3 REMOVAL AND INSTALLATION

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- | | | | | | | | |
|---|---|---|----------------------|---|---|---|---|
| 1 | 7 | a | Fuel tank inlet hose | 6 | 2 | f | Fuel pump assembly with motor and bracket |
| 2 | 6 | b | Breather hose | 7 | 1 | g | Fuel cut-off valve assembly |
| 3 | 5 | c | Fuel tube (main) | | | | |
| 4 | 4 | d | Fuel tube (emission) | | | | |
| 5 | 3 | e | Fuel tank assembly | | | | |

27-1-4 POINTS OF REMOVAL

1. Disconnection of fuel suction tube S/A.
Refer to BBE-86.

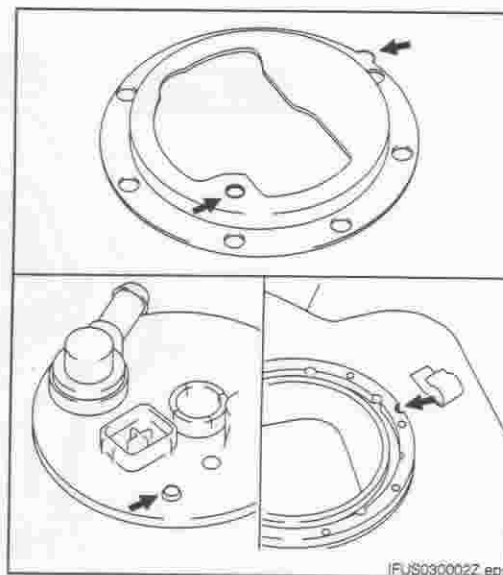
BBE-FT-D-T-00010

BBE-FT-D-D-00010

BBE-84

27-1-5 POINTS OF INSTALLATION

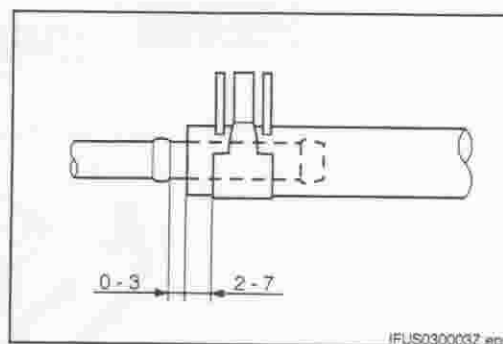
1. Installation of the fuel pump assembly
2. Never reuse the used gasket again.
3. Install the fuel pump assembly to the fuel tank while aligning the protruding section of the fuel pump with the hole on the bracket by installing the attaching screws with new gasket interposed. Then, tighten the attaching screws to specified tightening torque evenly.



4. Install the fuel tank assembly to the vehicle. Then, connect the fuel hoses, fuel tubes and each connectors of wire harness.

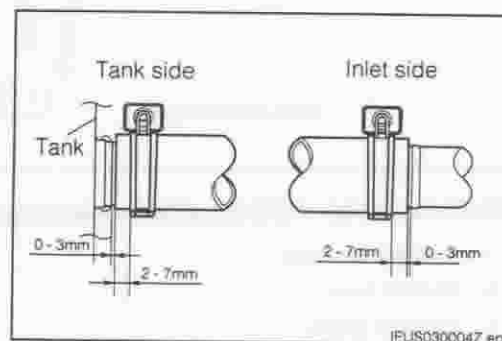
CAUTION

- Connect the fuel hoses to the fuel tube (for emission). Then, attach the new hose bands as shown.



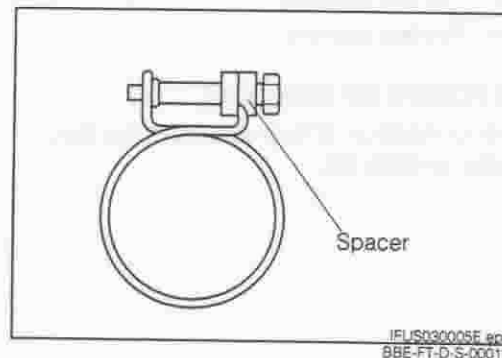
CAUTION

- Connect the fuel tank sub inlet hose to fuel inlet with new hose band as shown and tighten the hose bands securely.



CAUTION

- Hose clamp should be tighten until attaching bolt base contact with the spacer.



27-1-6 OPERATION AFTER INSTALLATION

1. Fill the fuel tank with the fuel.
2. Connect the negative terminal of the ground wire to the battery negative terminal.
3. Start the engine and ensure that the no fuel leakage exists.

BBE-FT-D-A-00010



After installation, check the fuel tank level and the fuel line connection. If the fuel tank level is low, add fuel. If the fuel line connection is loose, tighten it. If the fuel line is damaged, replace it. If the engine does not start, check the battery and the ground wire connection. If the battery is discharged, charge it. If the ground wire connection is loose, tighten it. If the ground wire is damaged, replace it.

After installation, check the fuel tank level and the fuel line connection. If the fuel tank level is low, add fuel. If the fuel line connection is loose, tighten it. If the fuel line is damaged, replace it. If the engine does not start, check the battery and the ground wire connection. If the battery is discharged, charge it. If the ground wire connection is loose, tighten it. If the ground wire is damaged, replace it.

After installation, check the fuel tank level and the fuel line connection. If the fuel tank level is low, add fuel. If the fuel line connection is loose, tighten it. If the fuel line is damaged, replace it. If the engine does not start, check the battery and the ground wire connection. If the battery is discharged, charge it. If the ground wire connection is loose, tighten it. If the ground wire is damaged, replace it.

BBE-86

28 FUEL SUCTION PIPE

28-1 REMOVAL AND INSTALLATION

WARNING

- Never work near open flame or never smoke near the working site of fuel-related components.
- Be sure to prevent the fuel from splashing with a close or like, when the union bolt or other connected section of the fuel line is loosed or slackened.

BBE-FSP-D-Z-00010

28-1-1 OPERATION BEFORE REMOVAL

1. Relieve the fuel pressure.
2. Disconnect the negative terminal of the ground wire from the battery negative terminal.

CAUTION

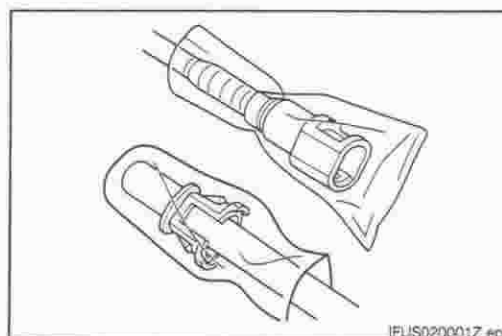
- Be sure memorize the malfunction code before disconnecting of the battery cable. Otherwise the malfunction code(s) will be erased by disconnecting the battery cable.

BBE-FSP-D-B-00010

28-1-2 POINTS OF REMOVAL

CAUTION

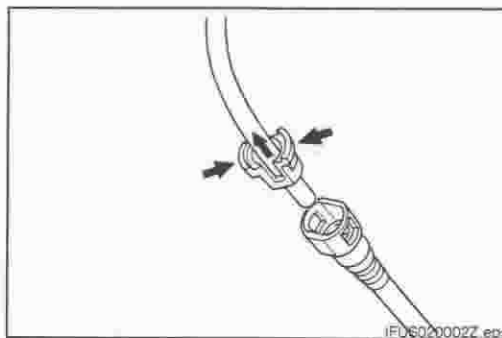
- Prevent dust or other foreign substances from being admitted into the fuel line, clean the connector before disconnecting the connector.
- Never use any tools during disconnection.
- Be sure to store the disconnected connector and tube in a vinyl bag to prevent them from being damaged and to prevent dust from getting to them.



1. Remove the connector, while holding the retainer with your finger.

CAUTION

- In cases where the retainer is removed, be sure to use a new quick connector assembly, for this is a non-reusable part.

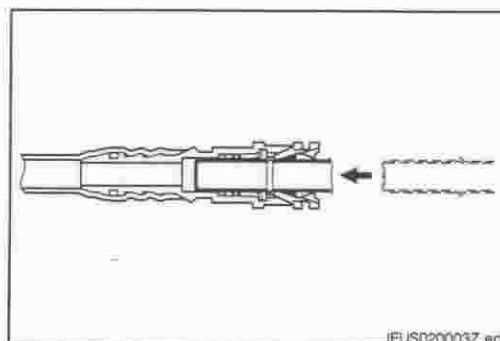


28-1-3 POINTS OF INSTALLATION

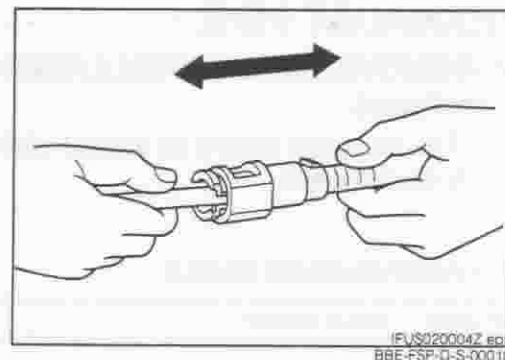
1. Insert the connector into the tube, until you hear a clicking sound from the retainer.

CAUTION

- Make sure that the pipe connecting section exhibits no damage, and no foreign substance gets stuck to the connecting section.



2. After the assembling, ensure that the connection has been made positively by pulling the tube and connector.

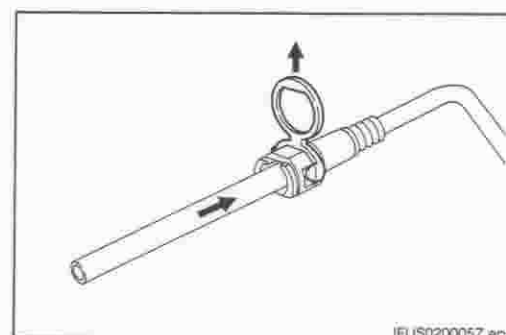


28-1-4 REPLACEMENT FUEL SUCTION TUBE

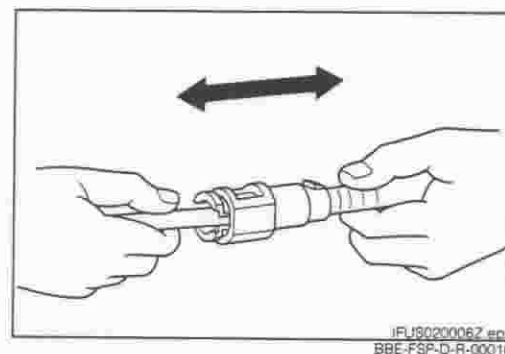
1. Remove the retainer from the fuel pipe, after disconnecting the connector mentioned above procedure.
2. Connect the new fuel hose to the fuel pipe until clicking sounds emits from the retainer. Remove the checker from the quick connector.

NOTE

- The fuel tube for replacement which is adapted the yellow checker at fuel pump side, is adapted red checker at vehicle piping side.



3. Ensure that the connector is connected properly by pull the connector from the fuel pipe lightly.



28-1-5 OPERATION AFTER INSTALLATION

1. Check to see if leakage is present at fuel line while applying the fuel pressure.

BBE-FSP-D-A-00010

BBE-88

29 EXHAUST PIPE

29-1 REMOVAL AND INSTALLATION

WARNING

- The operation should be started after the exhaust manifold and/or exhaust pipe have been completely cooled down.

BBE-EXP-D-2-00002

29-1-1 PREPARATION TOOLS

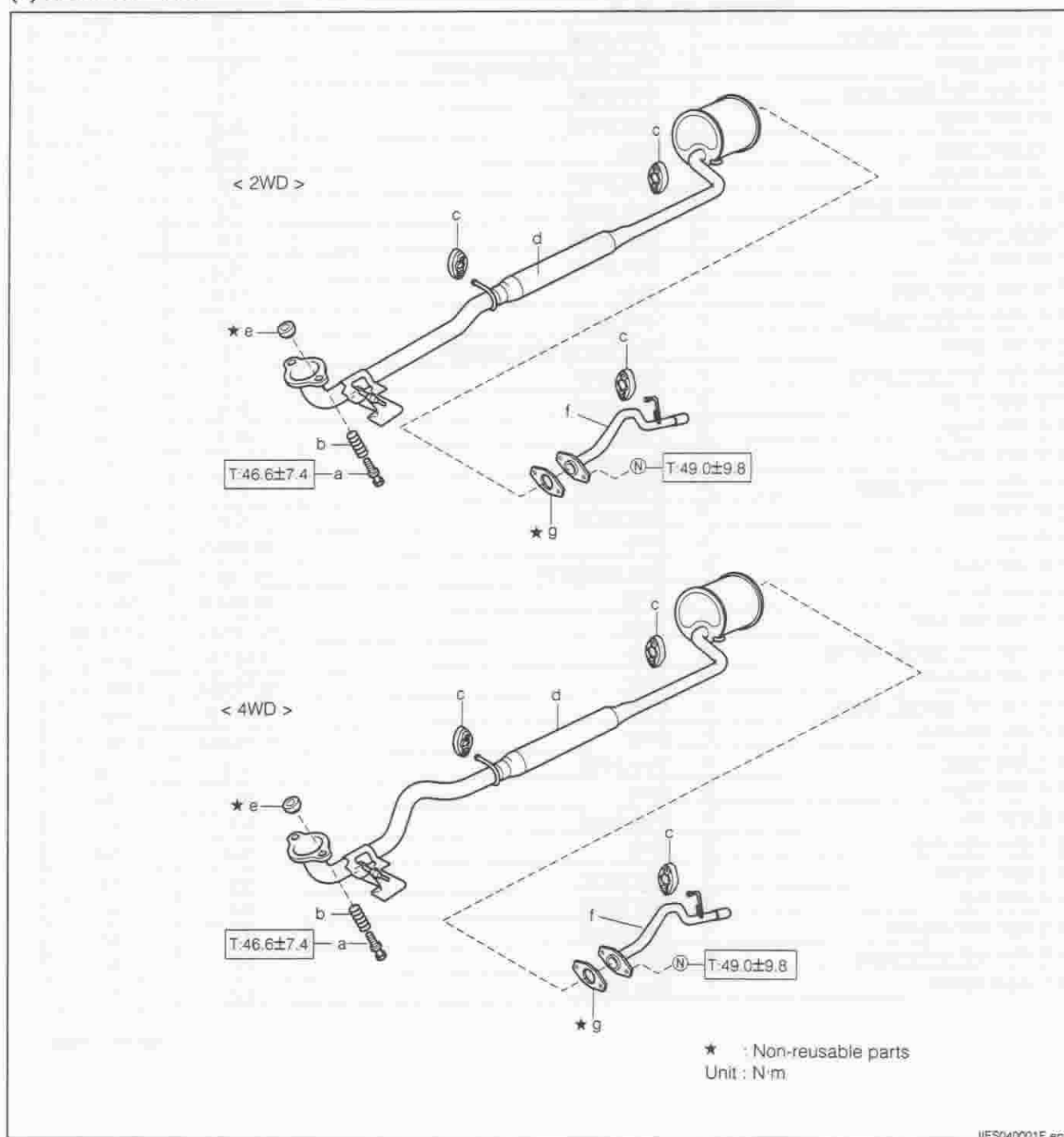
Instrument	Torque wrench
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BBE-EXP-D-P-00002



29-1-2 REMOVAL AND INSTALLATION

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- | | | | | | | | |
|---|---|---|-------------------------------|---|---|---|---------------------------|
| 1 | 7 | a | Bolt, exhaust muffler support | 6 | 2 | f | Tail Ay, pipe exhaust |
| 2 | 6 | b | Spring, exhaust manifold | 7 | 1 | g | Gasket, exhaust tail pipe |
| 3 | 5 | c | Muffler support No.2 | | | | |
| 4 | 4 | d | Pipe Ay, exhaust front | | | | |
| 5 | 3 | e | Gasket, exhaust pipe | | | | |

BBE-EXP-D-T-00002

BBE-90

30 TIGHTENING TORQUE

Tightening components		N·m	kgf·cm
Front door window regulator	X Door panel	7.5	77
Front door glass	X Front door window regulator	7.5	77
Front door front lower guide	X Door panel	7.5	77
Front door hinge	X Door panel	24.0	245
Front door hinge	X Body	24.0	245
Front door check	X Door panel	5.0	51
Front door rear lower guide	X Door panel	7.5	77
Outside handle	X Door panel	5.0	51
Front door lock	X Door panel	10.0	102
Door lock striker plate	X Body	12.0	125
Rear door window regulator	X Door panel	7.5	77
Rear door glass	X Rear door window regulator	7.5	77
Rear door front lower guide	X Door panel	7.5	77
Rear door hinge	X Door panel	24.0	245
Rear door hinge	X Body	24.0	245
Rear door check	X Door panel	5.0	51
Rear door rear lower guide	X Door panel	7.5	77
Rear door lock	X Door panel	10.0	102
Front seat	X Body	25.5±4.8	260±49
Rear seat back	X Rear seat frame	19.1±4.4	195±45
Rear seat frame	X Body	25.5±4.8	260±49
Front seat belt outer	X Body	40.7±12.3	415±125
Front seat belt outer(ET screw)	X Body	2.5±1.0	26±10
Rear seat belt outer	X Body	40.7±12.3	415±125
Rear seat belt outer(ET screw)	X Body	2.5±1.0	26±10
Rear seat belt inner	X Body	40.7±12.3	415±125
Back door hinge	X Door panel	12.5	128
Back door hinge	X Body	19.0	194
Back door stay	X Door panel	5.0	51
Back door stay stud	X Body	28.0	286
Back door handle	X Door panel	5.5	56
Back door lock	X Door panel	9.0	92
Back door lock actuator	X Door panel	8.5	87
Back door lock striker plate	X Body	9.0	92
Rear upper spoiler	X Door panel	5.0	51

BBE-TCE-Z-Z-00001