

Chapter 19 Car body

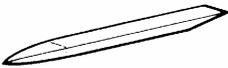
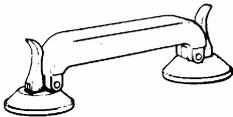
Section 1 Overhaul specification

Items			Standard value	
inner door handle clearance mm	handle	front door	5.5—16.0	
		rear door	8.4—18.0	
outer door handle clearance mm	handle	front door	4.6—7.0	
		rear door	5.2—9.0	

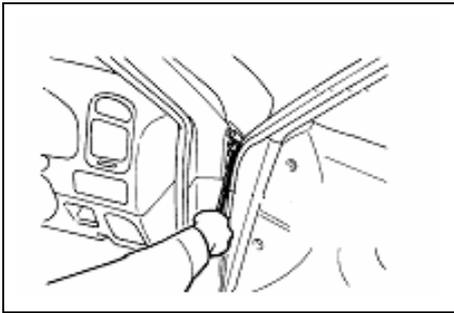
Section 2 sealant and adhesive

Items	Specified sealant and adhesive
Car body to fender	3M ATD Product No. 8531 or 3M Product No. 8646 or equivalent
Splash flap to fender	3M ATD Product No. 8625 or equivalent
windshield	TEROSTAT—8690HM
Rear window glass	

Section 3 Special tool

tools	No.	Names	Applications
	MB990784	Trim removal tool	Removal of switch and trims
	MB990480	Glass suction cup	Remove and install windshield
	MB990449	window glass stay bar removal tool	Removal of window glass stay bar

Section 4 Overhaul adjusting sequence



I. adjustment door fitting

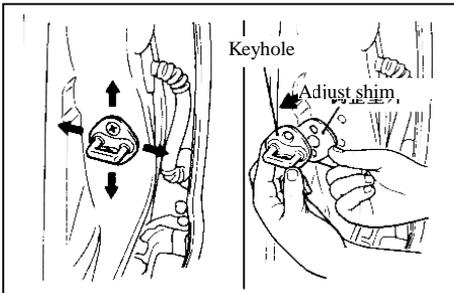
1. Unscrew the hinge hold-down bolt on body side with ratchet wrench. Then adjust the clearance around the doors to make them uniform

If the door and body are not in the same plane, release door hinge hold-down bolt of door side with ratchet wrench

2. Note:

Adhere the protective tape on the fender edge where there is hinge.

If it feels not smooth to open and close the doors, move the keyhole up and down and left to right. Adjust keyhole and door latch with adjust washer.

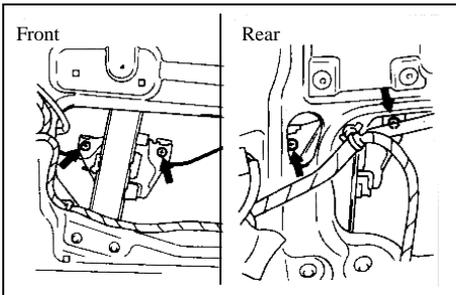
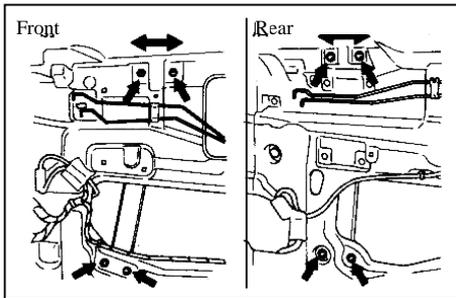


3. standard value of relevant door clearance (mm) :

lower the window glass to the position of hole check

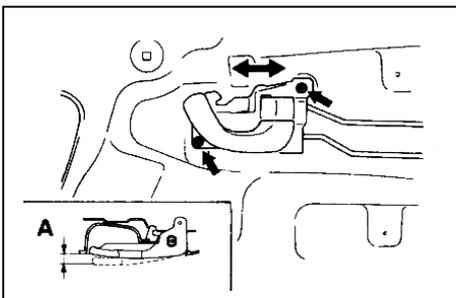
4. Release the installation screw of window glass and adjust the front and rear position of the glass

Where clearance is	Standard value of clearance	flatness tolerance
Front door and upper side panel	4.0 ^{+0.5} _{-0.5}	0 -1
Front door and rear door	4.0 ^{+0.5} _{-0.5}	+1 0
Rear door and upper side panel	4.0 ^{+0.5} _{-0.5}	0 -1
Rear door and side panel	4.0 ^{+0.5} _{-0.5}	+1 0
boot lid and rear fender	3.0 ⁺¹ _{-0.5}	0 -1
Rear door and side panel bottom	4.5 ⁺¹ ₋₁	0 -1
Front door and side panel bottom	4.5 ⁺¹ ₋₁	0 +1
Front door and fender	4.0 ^{+0.5} _{-0.5}	0 +1



II. adjustment of window glass

1. Remove the door trimming and water-proof film .
2. Loosen the holddown bolt of the window glass winder assembly. Move upper installation position up and down.
Adjust the inclination angle of window glass.
3. lower the window glass to check hole.
4. Loosen the install screw on the window glass and adjust the position of the glass back and forth.

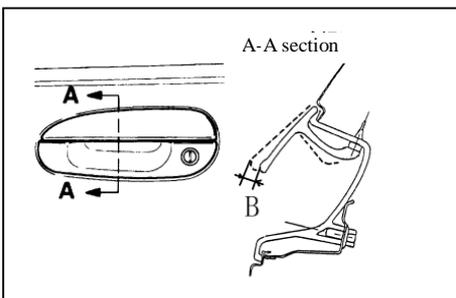


III. adjustment of inner door handle clearance

1. Remove door trimming and water-proof film .
2. Move back and forth the installation position of inner door handle.
Adjust the tolerance of inner handle clearance, enabling it accorded with standard value.

Standard value:

front $5.5-16.0$ mm
rear $8.4-18.0$ mm



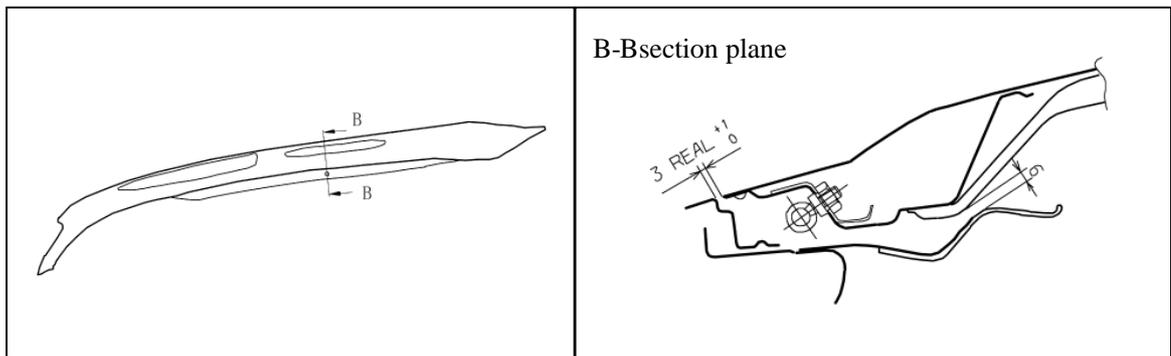
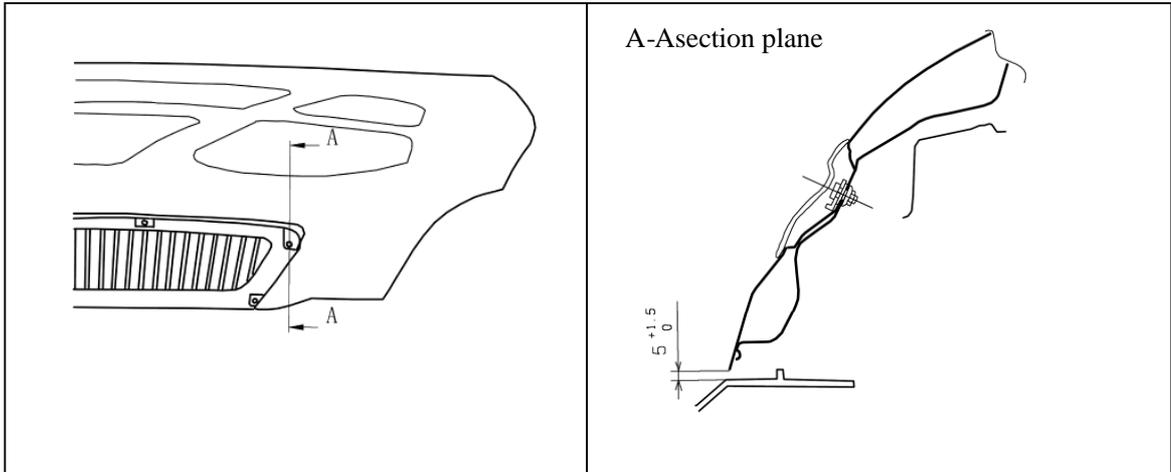
IV. check of outer door handle clearance

If the clearance of door outer handle is not accorded with the standard value, check inner handle or door latch assembly and replace when necessary.

Standard value:

front $4.6-7.0$ mm
rear $5.2-9.0$ mm

V. check of engine bonnet clearance



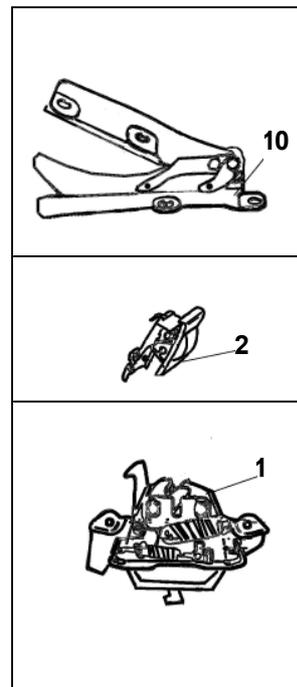
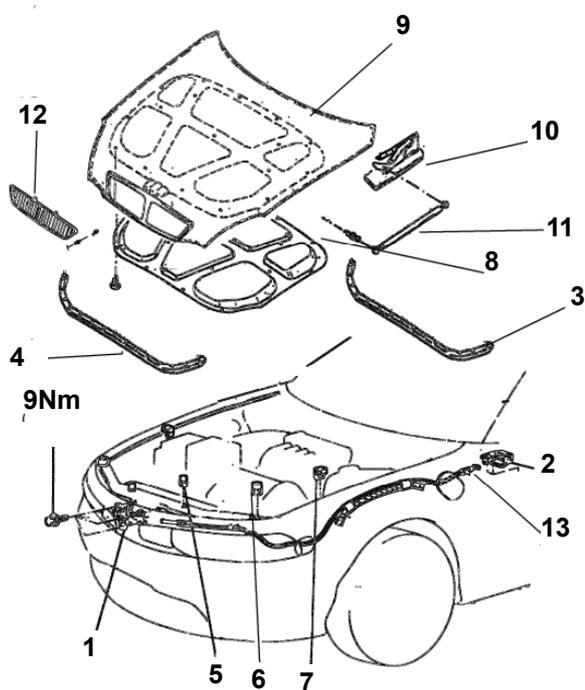
Standard value:

A: 5.0—6.5mm

B: 3.0—4.0mm

Section 5 engine hood of panel type

I. Removal and installation



1. Steps to remove

- | | |
|---|--|
| <input type="checkbox"/> cover plate latch | <input type="checkbox"/> adjust damping block of engine bonnet cover |
| <input type="checkbox"/> release handle of engine hood lock | <input type="checkbox"/> damping block of engine bonnet cover |
| <input type="checkbox"/> engine hood rear weather seal | <input type="checkbox"/> locating cushion block of engine bonnet cover |
| <input type="checkbox"/> engine hood front weather seal | |

engine hood panel and panel hinge and radiator grille

Washer hose connector

(9) cover plate outer board

(11) gas spring

(10) cover plate hinge

(12) radiator grille

engine hood control pull wire

front bumper and splash guard (at driver's)

(1) engine hood latch

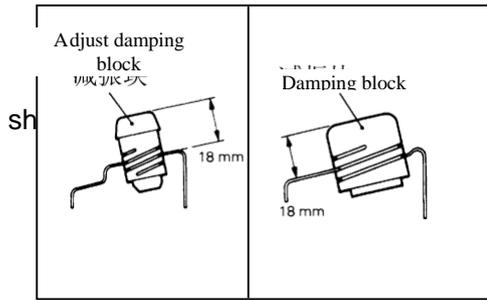
(see Page 423)

(2) engine hood release wrench

engine hood control pull wire

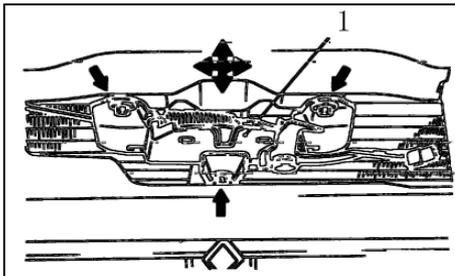
Front lamp (at driver's)

(see Page 555)

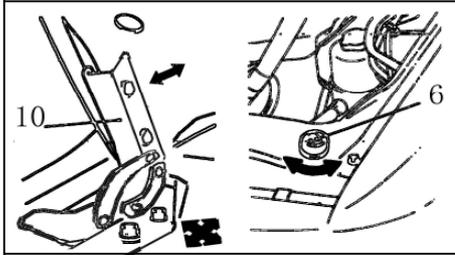


II. Installation operation note

Installation of block A
 Install the block as



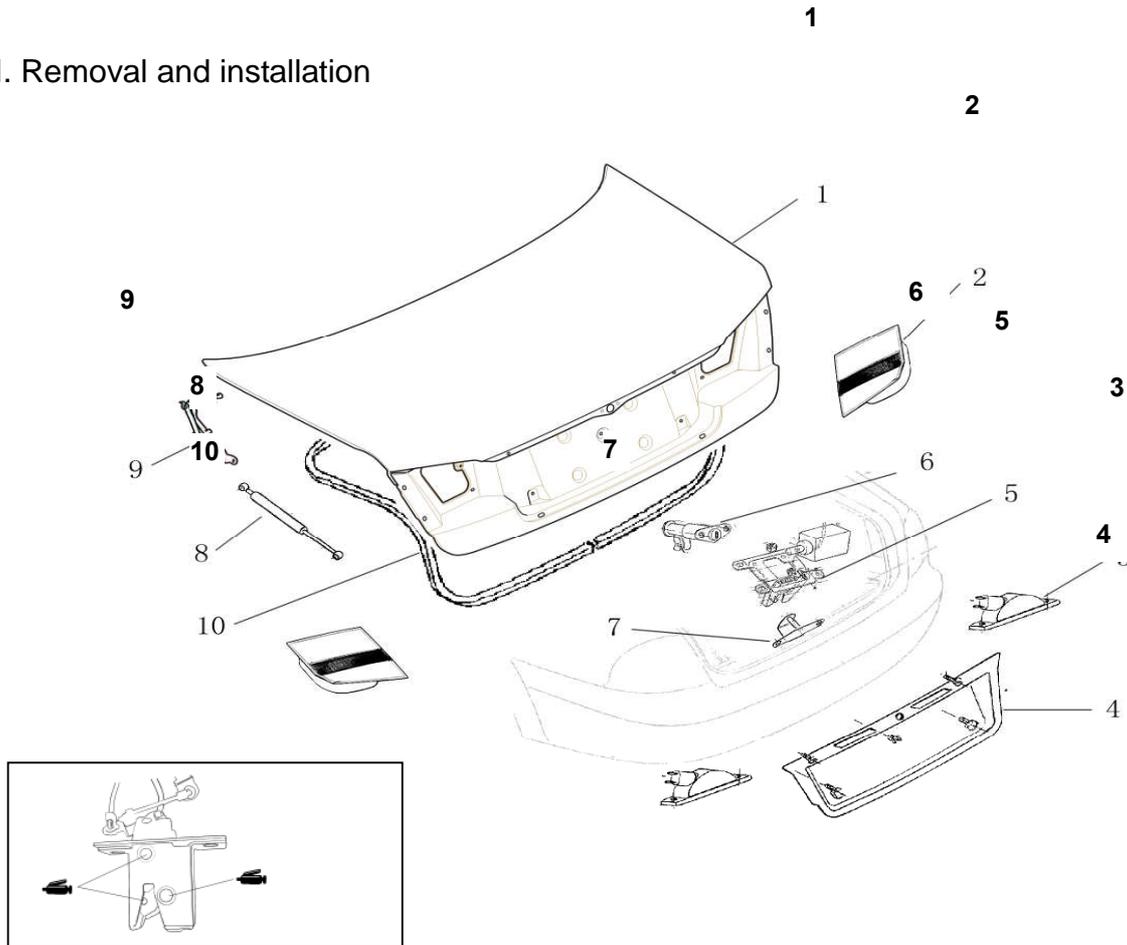
Adjustment of engine cover plate
 snap close and keyhole joint



Adjustment of engine cover plate
 clearance and height

Section 6 boot lid

I. Removal and installation



1. steps to remove boot lid

- | | |
|--------------------|-------------------------|
| (1) boot lid panel | (6) boot lid lock core |
| (2) tail light | (7) boot lid lock catch |
| (3) license light | (8) boot gas spring |
| (4) license frame | (9) boot hinge |
| (5) boot lid latch | (10) boot weather seal |

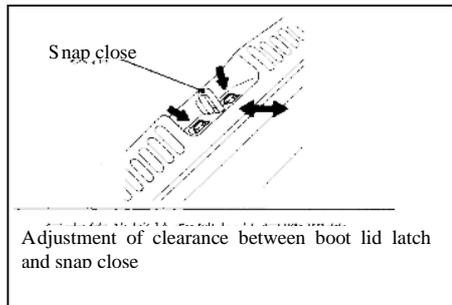
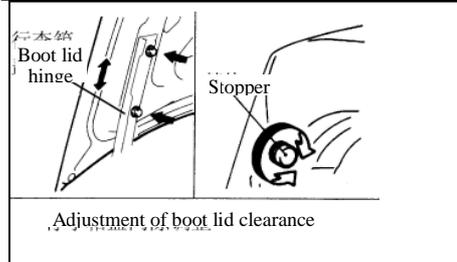
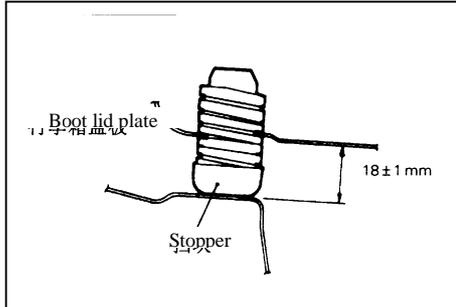
II. Installation operation note

1. Installation of boot lid weather seal

Install boot lid weather seal, marking on the central position of the car body.

2. Installation of block

Install the block as shown in the figure.

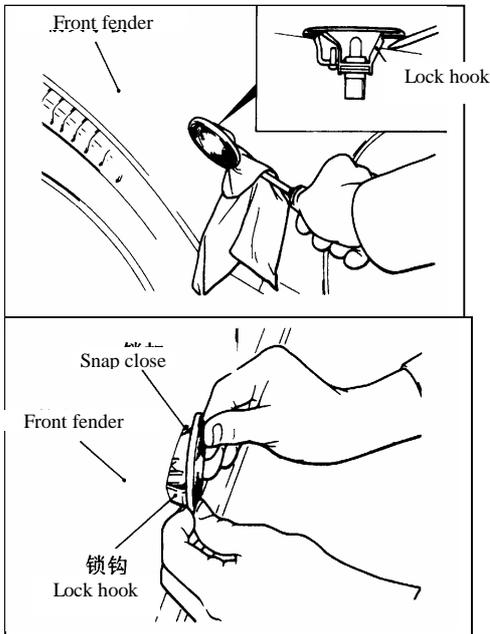
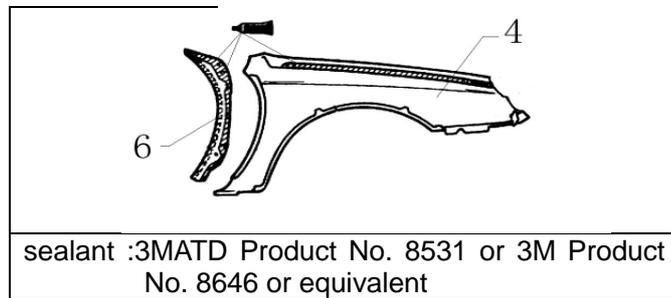
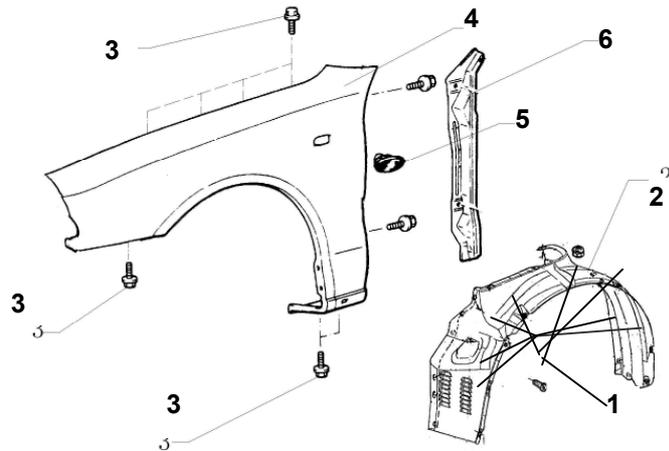


Section 7 fender

I. Removal and installation

1. Steps to remove

- front fender board fastening screw
- front fender board
- fender fastening screw
- fender assembly
- steering lamp
- rear connection board of front fender



II. Removal operation notes

1. Removal of side-turn signal light

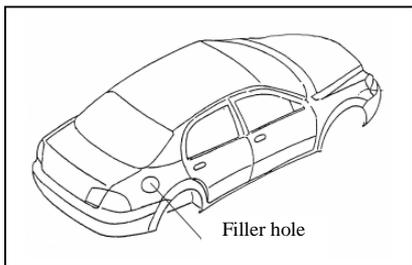
Release lock catch from fender with flat-headed screwdriver or similar tool and then remove side-turn signal light.

III. Installation operation note

1. Installation of side-turn signal light

- (1) insert the lock catch into fender .
- (2) push inside the side-turn signal light and fasten with lock hook.

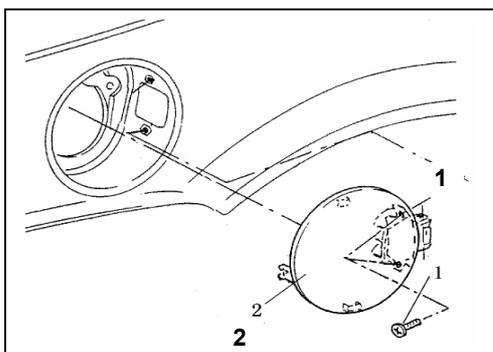
Section 8 Fuel filler cap and filler cap lock



I. Removal and installation

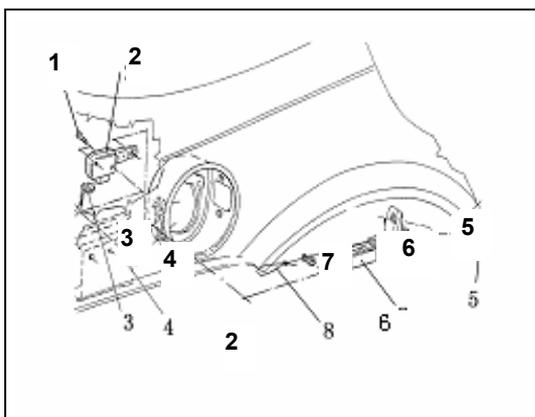
1. Pre-operation Before removal and operation after installation

Removal and installation of boot RH mat and boot protective frame (see Page 491)



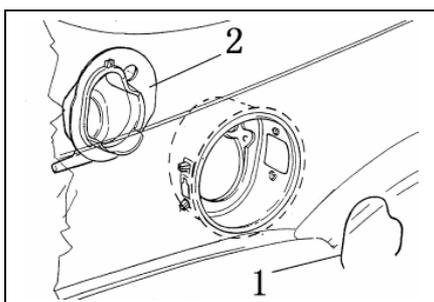
2. Removal of fuel filler cap assembly

- filler cap fastening screw;
- filler cap assembly.



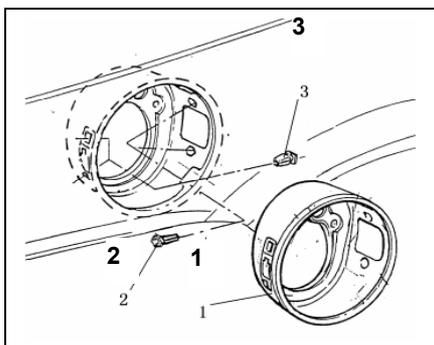
3. Removal of fuel filler cap lock hook assembly

- power mechanism fixed screw;
- filler power mechanism;
- power mechanism harness plug;
- power mechanism fixed bracket ;
- filler cap lock fixed bolt;
- filler cap lock;
- manual pull wire



4. Removal of dust cover assembly

- dust cover collar;
- dust cover.



5. Removal of oil cup seal ring assembly (as shown in the left figure)

- oil cup seal ring ;
- install filler cap rivet nut ;
- install filler cap lock screw seat.

Section 9 Window glass

I. repair of window glass

Install the followings of the window glass with the method of polyurethane adhesive.

- windshield
- rear window glass

1. Necessary objects used for repair

Names	Memo
adhesive	TEROSTAT—8690HM
Premier	TEROSTAT—8511
catalyst	TEROSTAT—8525
cleaser	TEROSTAT—8550
Cushion block	Spare parts for repair
Piano wire	diameterXlength = 0.6mmx1m (for cutting adhesive)
Adhesive injection gun	To squeeze out adhesive

2. Storage of sealant

Don't freeze it.

Recommended storage temperautre:10~25°C

Validation : 6 months in orignal package.

3. Repair of car body pressfitting flange

Completely remove old adhesive before repair.

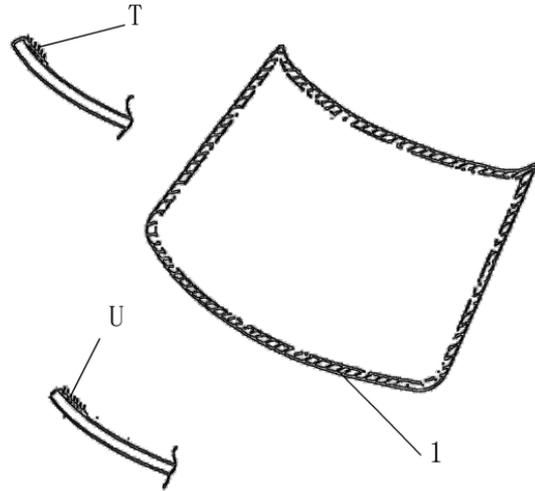
If flange portion needs to be painted, dry it after painting.

Section 10 Front windshield

I. Removal and installation

1. Pre-operation Before removal and operation after installation

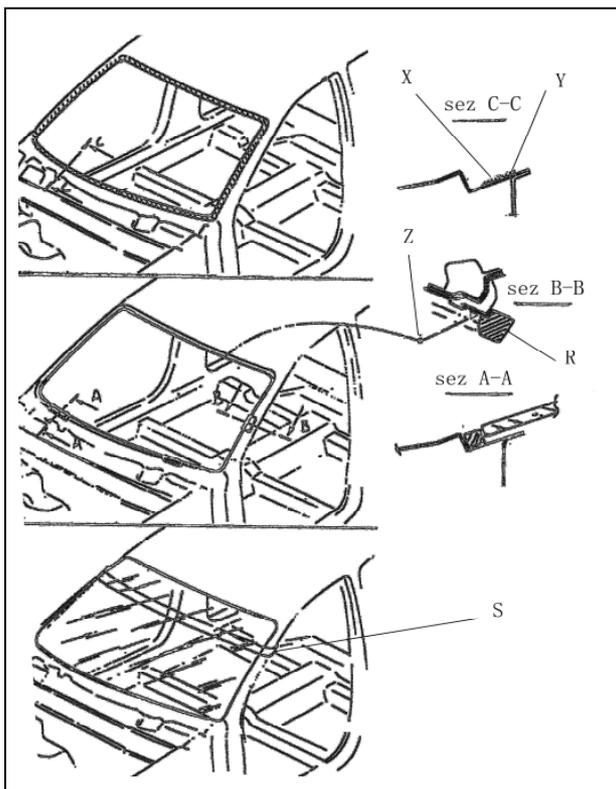
Front body trim (see Page 438)
 ceiling stay bar (see Page 438)
 front pillar trim (see Page 495)
 ceiling liner



2. Steps to remove □windshield

3. remarks:

T. clean carefully with cleaser the adhesion surface of glass
 U. keep on dubbing primier without gap.
 (air dry according to duration required)



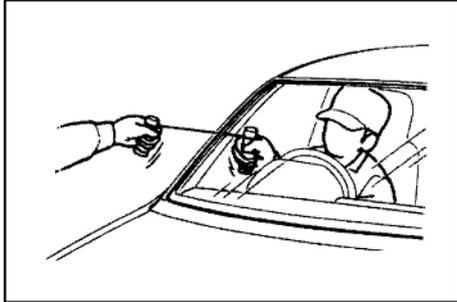
remarks:

X. clean carefully with cleaser the adhesion surface of glass
 Y. keep on dubbing primier without gap.
 Z. dub all over the edges of the body side without gap
 R. use reference jig.
 S. use jig applied with pressure.

II. Removal operation notes

1. Removal of windshield

- In order to protect car body (painting surface) , wind cloth adhesive band around the car body.
- cut the stay bar with cutting knife..

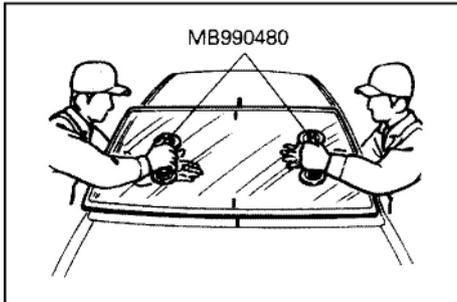


- drill a hole on the portion of windshield adhesive with a sharp drill
- penetrate the piano wire through this hole from the car inside.
- pull the piano wire alternatively from inside and outside along the windshield to cut adhesive.

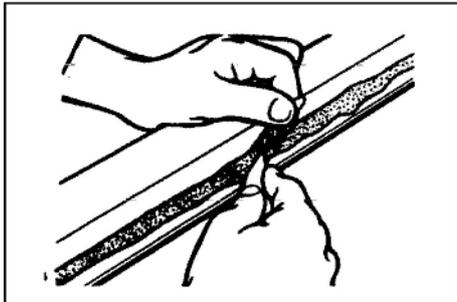
Note:

Never contact piano wire with the edge of the windshield.

- mark on the windshield and body



- remove windshield with special tool.



- cut out adhesive remained, enabling the adhesive thickness around the body flange within 2mm.
- dress the flange plane to make it smooth and flat.

Notes

1. Note: never remove too much of the adhesive.

2. Note: Never scratch the painting surface of the car body.

If any damage on the painting surface, mend it with repair paint or anti-rusting agent.

- if the removed glass is still used, remove adhesive on the glass and clean with cleanser.
- clean the car body with the same method.

Notes

Keep the cleaned portion dried more than 3 minutes and continue the next step.

In addition, never contact cleaned surface.

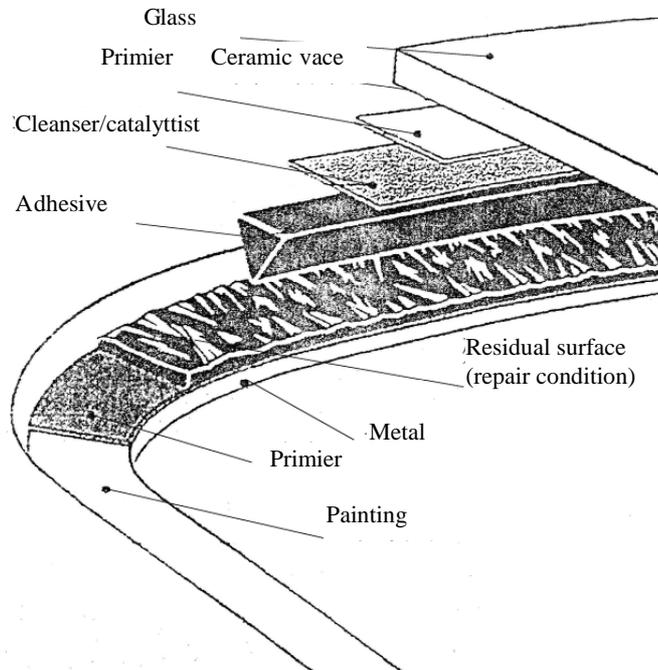
III. notes for installation

1. Installation of windshield

- put the glass on the bracket
- uniformly dub the glass and body part as shown in the figure below with the sponge dipped with primer

specified primer :

TEROSTAT—8511



Notes

- primer can increase the strength of adhesive. Therefore, dub uniformly all over with primer . But too thick primer will lower the strength.
- never touch dubbed surface.
- dry it for 10-15 minutes after dubbing.
- fill in the sealant gun with adhesive 30 minutes after dubbing and dub adhesive uniformly around the windshield.

specified adhesive:TEROSTAT—8690HM

memo:

cut the head of sealant gun nozzle into V-shape for easy dubbing of adhesive.

Section of adhesive shall be a triangle with 7mm of bottom line and 10mm high. (see the figure above)

- after dubbing with adhesive, align the marks on the glass and body.
- As shown in figure A-A section, place the cushion block to avoid down sliding of glass.
- remove adhesive leaked onto or adhered on the car body or glass with scraper and then clean with cleaser.
- after this (installing the glass) , put it in the place without being touched until adhesive completely solidification.

Notes

If infrared lamp is used for heating to shorten the time of solidification, the surface temperature of the adhesive shall be kept under 60.

- keep the car body untouched for 30 minutes after installing the windshield and then implementthewatertight test .

Notes

- slowly move the car if necessary.
- while doing watertight test, never tightly clamp the head of the hose to spray .

Section 11 Rear windshield (window antenna)

I. Removal and installation

1. Pre-operation before dismantle and operation after installation

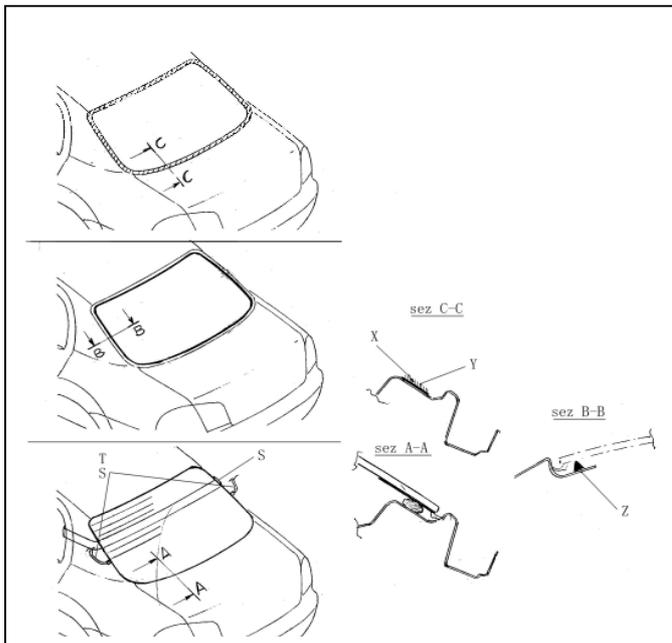
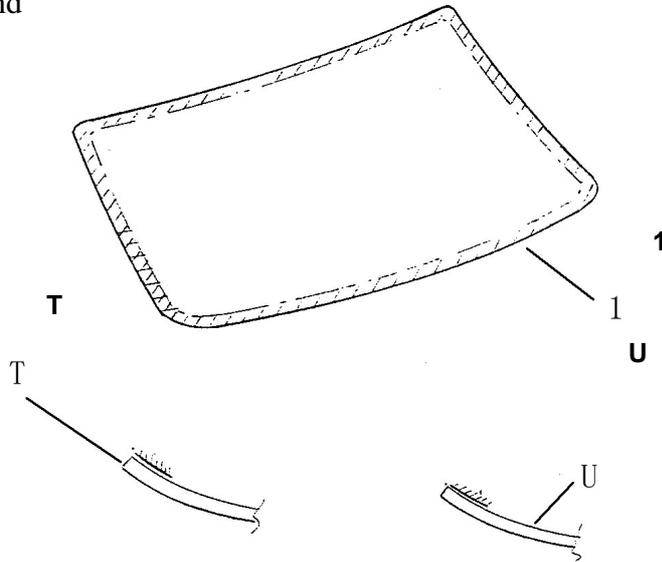
- boot lid (see Page 491)
- ceiling stay bar (see Page 436)

2. steps to remove

- (1) rear windshield

3. remarks:

- T. clean carefully with cleaser the glass adhesion surface
- U. dub primier without gap
 (air dry according to the duration required)



4. remarks:

- X. clean carefully with cleaser glass adhesion surface
- Y. dub primier continuously without gap.
- Z. dub all around the body. without gap
- S. clean body edge with jig of applying pressure
- T. connect the resistance wire with lead

II. Removal operation notes

1. Removal of windshield

- In order to protect car body (painting surface) , wind cloth adhesive band around the car body.
- cut the stay bar with cutting knife.
- drill a hole on the portion of windshield adhesive with a sharp drill
- penetrate the piano wire through this hole from the car inside.
- pull the piano wire alternatively from inside and outside along the windshield to cut adhesive.

Notes

Never contact piano wire with the edge of the windshield.

- mark on the windshield and body
- remove windshield with special tool.
- cut out adhesive remained, enabling the adhesive thickness around the body flange within 2mm.
- dress the flange plane to make it smooth and flat.

Notes

1. Note: never remove too much of the adhesive.
2. Note: Never scratch the painting surface of the car body.

If any damage on the painting surface, mend it with repair paint or antirusting agent.

- if the removed glass is still used, remove adhesive on the glass and clean with cleaser.
- clean the car body with the same method.

Notes

Keep the cleaned portion dried more than 3 minutes and continue the next step.
In addition, never contact cleaned surface.

III. notes for installation

1. Installation of windshield

- put the glass on the bracket
- uniformly dub the glass and body part as shown in the figure below with the sponge dipped with primer .

specified primer :

TEROSTAT—8511

Notes

- primer can increase the strength of adhesive. Therefore, dub uniformly all over with primer .
But too thick primer will lower the strength.
- never touch dubbed surface.
- dry it for 10-15 minutes after dubbing.
- fill in the sealant gun with adhesive 30 minutes after dubbing and dub adhesive uniformly around the windshield.

specified adhesive:

TEROSTAT—8690HM

memo:

cut the head of sealant gun nozzle into V-shape for easy dubbing of adhesive.

Section of adhesive shall be a triangle with 7mm of bottom line and 10mm high. (see the figure above)

- after dubbing with adhesive, align the marks on the glass and body.

As shown in figure A-A section, place the cushion block to avoid down sliding of glass.

remove adhesive leaked onto or adhered on the car body or glass with scraper and then clean with cleaser.

after this (installing the glass) , put it in the place without being touched until adhesive completely solidification.

Notes

If infrared lamp is used for heating to shorten the time of solidification, the surface temperature of the adhesive shall be kept under 60.

keep the car body untouched for 30 minutes after installing the windshield and then implement the watertight test .

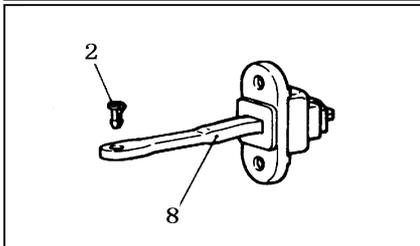
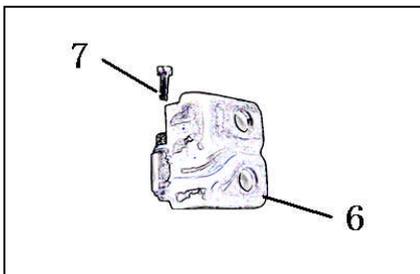
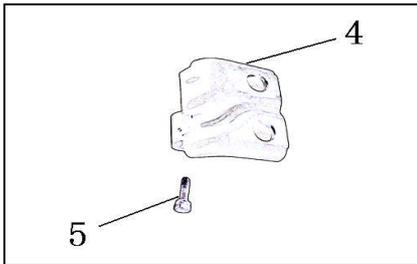
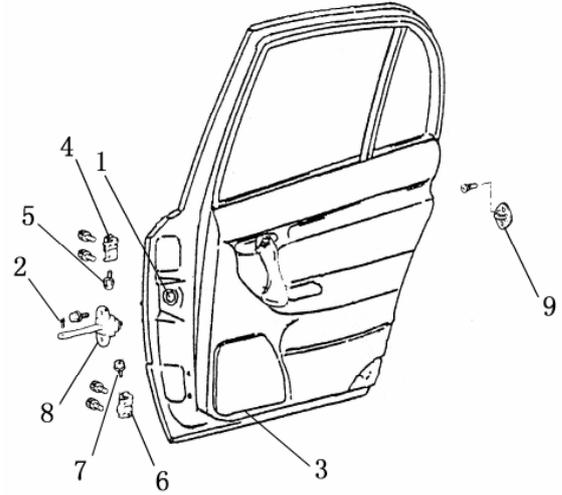
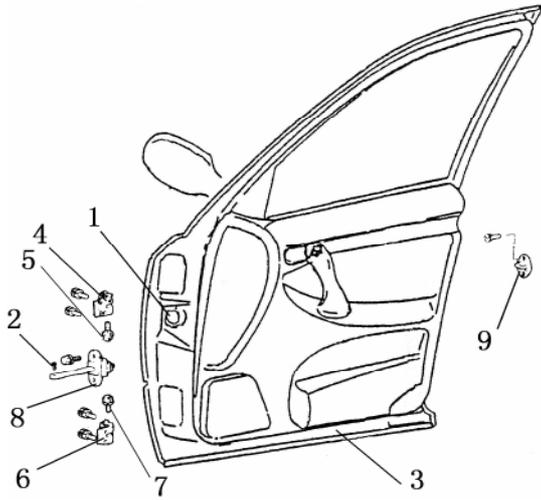
Notes

- slowly move the car if necessary.

进行 watertight test 时, never tightly clamp the head of the hose to spray .

Section 12 Door assembly

I. Removal and installation



1. door operation after installation:

Adjustment of door (see Page 389)

2. door assembly

- wire connector
- spring pin
- door assembly
- door upper hinge
- door upper hinge bolt
- door lower hinge
- door lower hinge bolt
- door openess limiter

3. door openess limiter

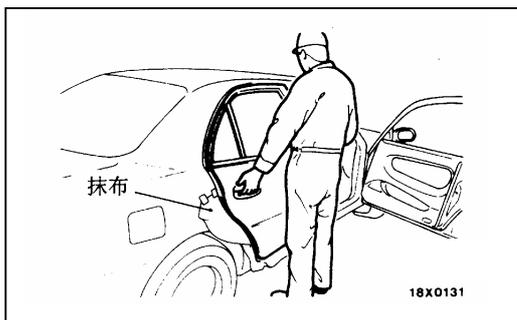
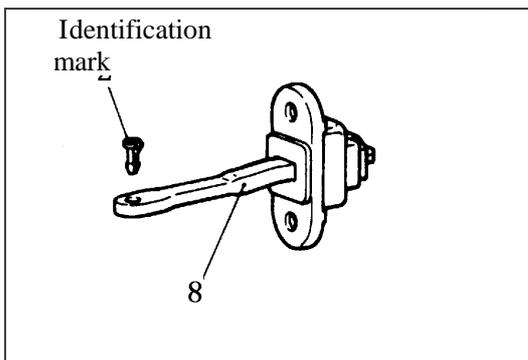
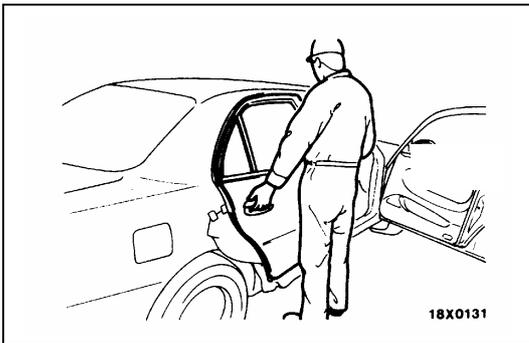
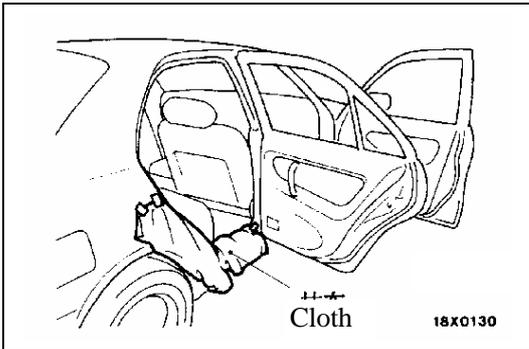
door trimmings (see Page 406)

water-proof film

- spring pin
- door openess limiter

4. keyhole

- keyhole



II. Removal operation notes

1. Removal of door assembly (rear door)

place the cloth on the body panel at rear door to avoid scratch. Lower as much as possible the rear door window to the bottom and close rear door.

remove rear door hinge fixed bolt and pull outer handle to open latch. Remove the rear door.

III. Installation operation note

1. Installation of door openness limiter

mount the door openness limiter with the recognition mark upward.

	proper position	Recognition mark
RH	RH front door	R↑
	RH rear door	R↑
LH	LH front door	L↑
	LH rear door	L↑

2. Installation of door lower hinge (rear door) / door upper hinge (rear door)

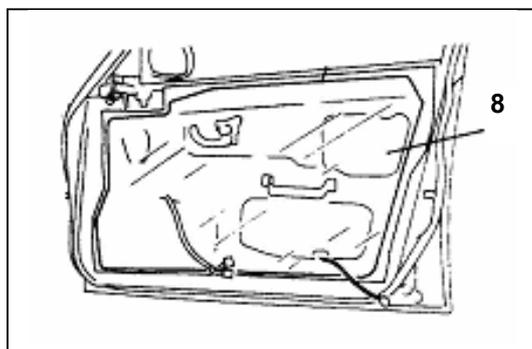
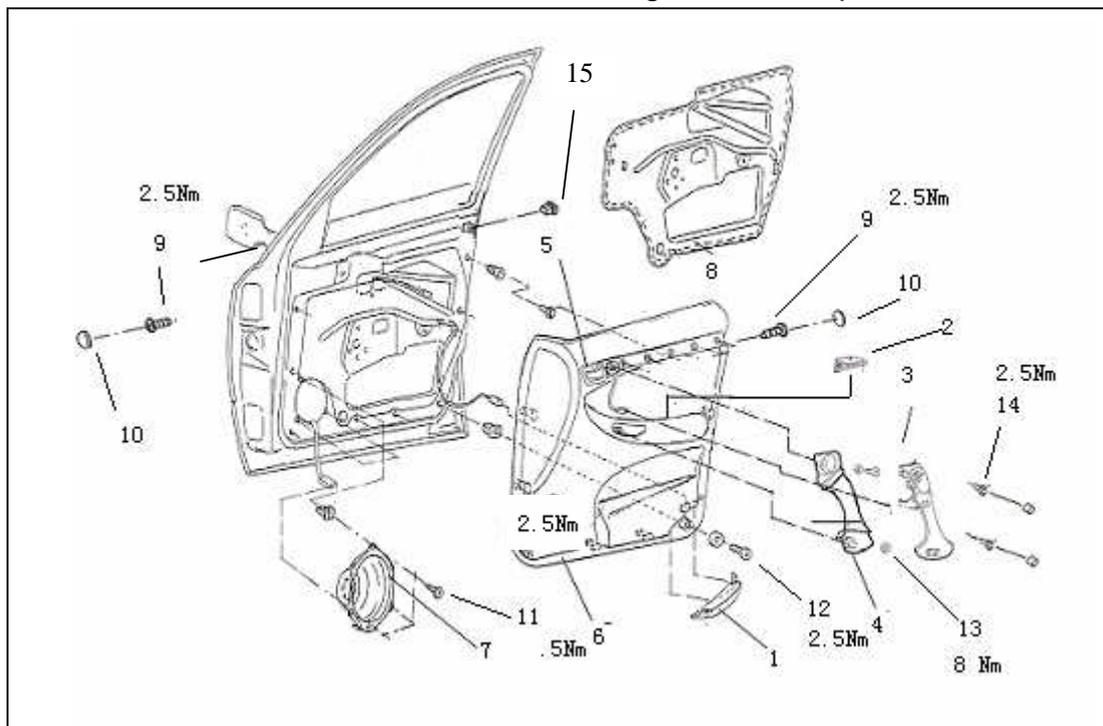
door hinge varies with the upper and lower positions. Therefore, confirm the positions of the hinge before installation.

3. Installation of door assembly (rear door)

- place a piece of cloth to enable uniform clearance between the car body and door. Then close the rear door latch.
- mount the rear door hinge fixed bolt
- open rear door and remove the cloth.

Section 13 Door trimmings and water-proof film

I. Removal and installation of front door trimmings and water-proof film



1. Steps to remove :

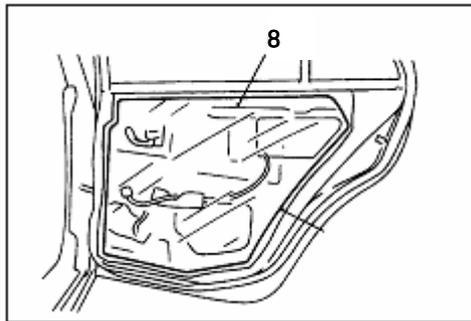
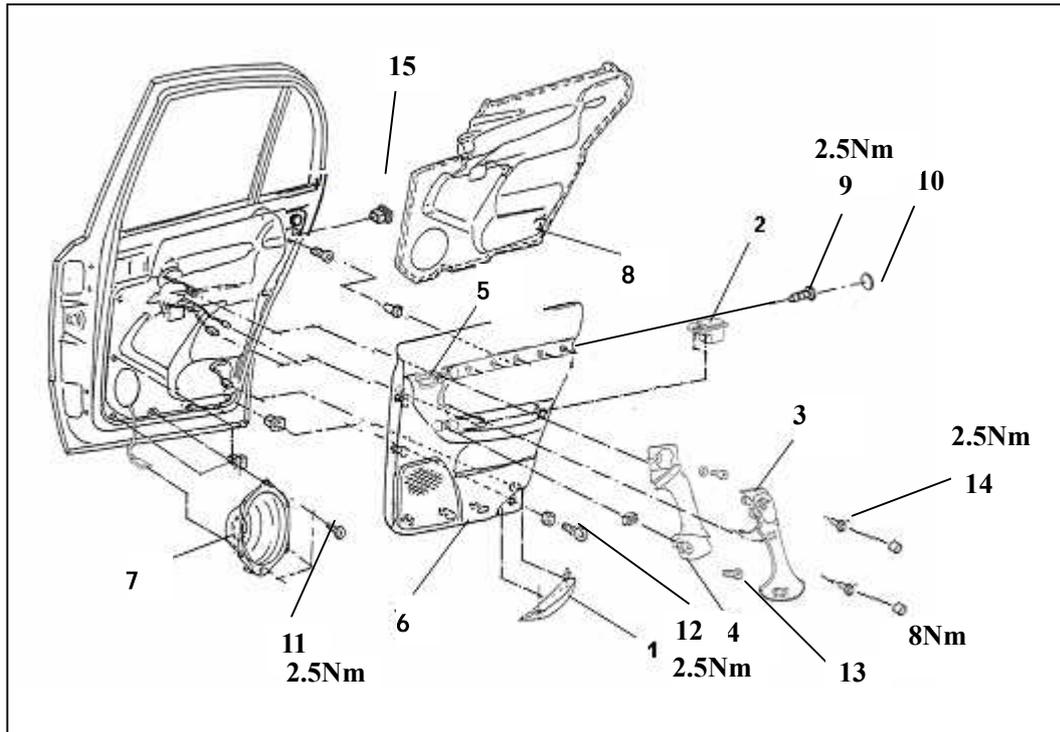
- door lamp [1]
- door winder switch [1]
- door handle cover [1]
- door handle seat [1]
 - inner handle frame cover [1]
- door trim board [1]
- speaker [1]
- water-proof film [1]

Water-proof film: ensure reliable seal on the edges when reassembled after removal. Or, replace new one.

Standard parts:

- | | |
|--|--|
| (9) self-tapping combination screw ST4.2×16 [1+1] | (12) self-tapping combination screw ST4.8×25 [1] |
| (10) protective cap [1+1] | (13) boltm6×18 [2] |
| (11) cross recess pan-headed self-tapping screw ST4.2*19 [3] | (14) cross recess pan-headed self-tapping screw ST4.2*16 [2] |
| (15) plastic snap [1+1] | |

II. Removal and installation of rear door trimmings and water-proof film



1. Steps to remove :

- door lamp [1]
- power window glass switch [1]
- door handle cover [1]
- door handle seat [1]
- handle frame cover [1]
- door trim board [1]
- speaker [1]
- water-proof film [1]

Water-proof film: ensure reliable seal on theedges when reassembled after removal. Or, replace new one.

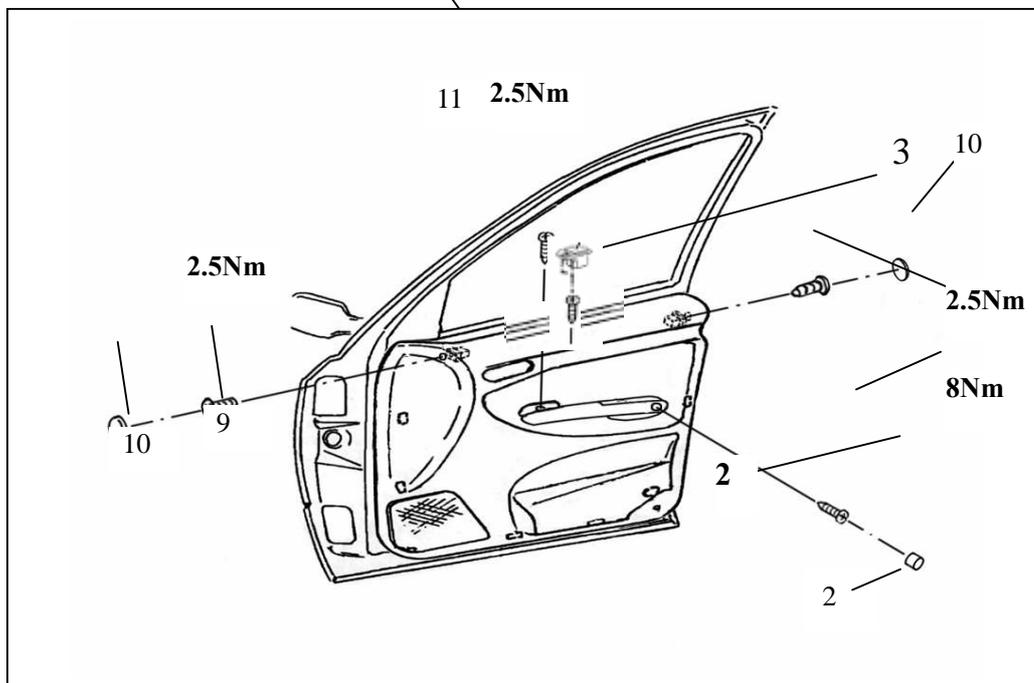
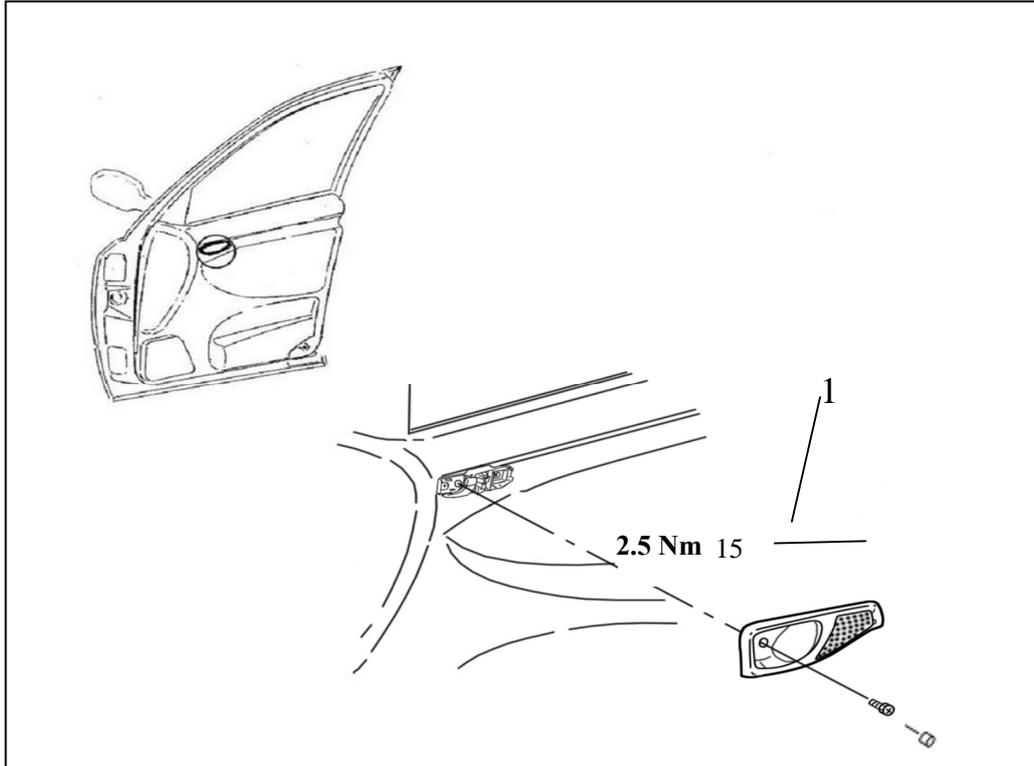
Standard parts:

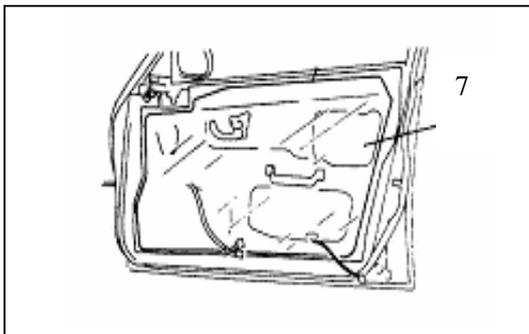
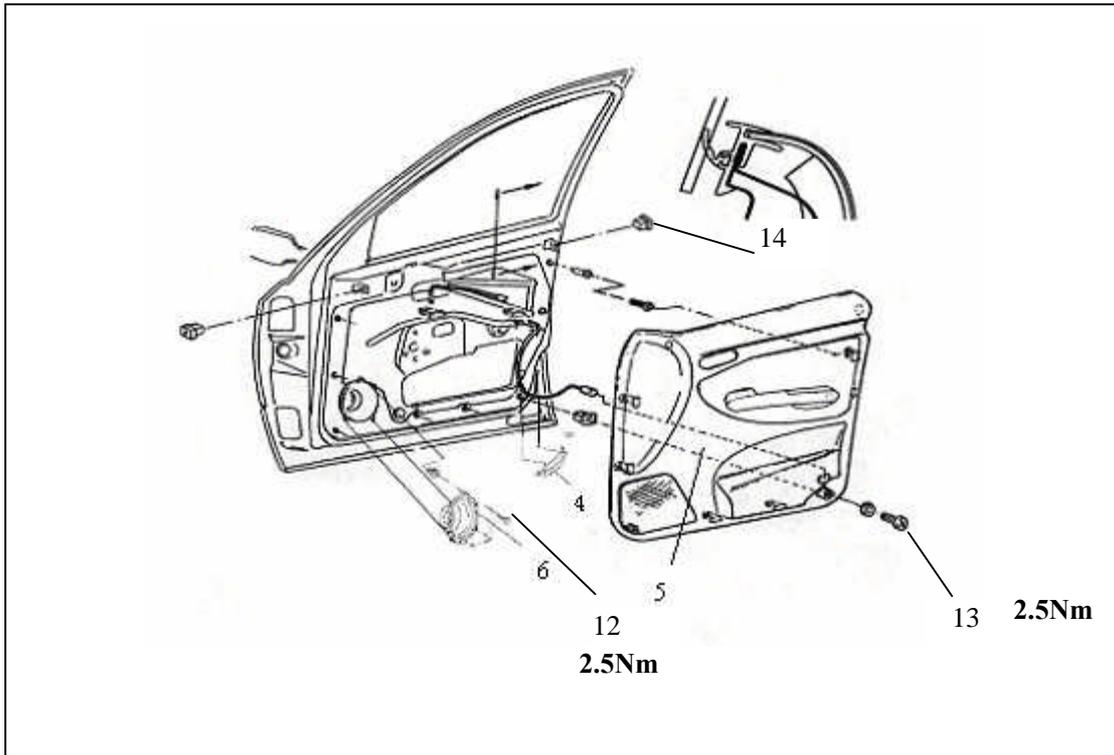
- (9) self-tapping combination screw ST4.2×16 [1]
- (10) protective cap [1]
- (11) cross recess pan-headed self-tapping screw ST4.2*19 [3]

- (12) self-tapping combination screw ST4.8×25 [1]
- (13) boltm6×18 [2]
- (14) cross recess pan-headed self-tapping screw ST4.2*16 [2]
- (15) plastic snap [1]

Section 14 New Zhonghua door trimmings and water-proof film

I. Removal and installation of door trimming and water-proof film





1. Steps to remove :

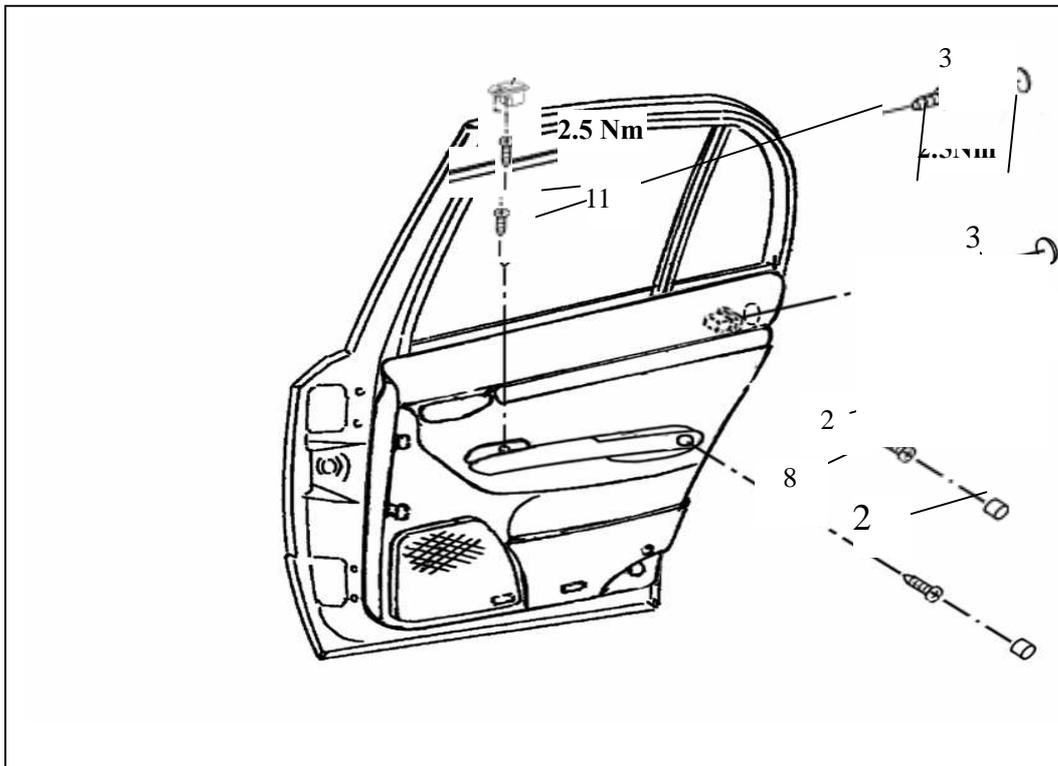
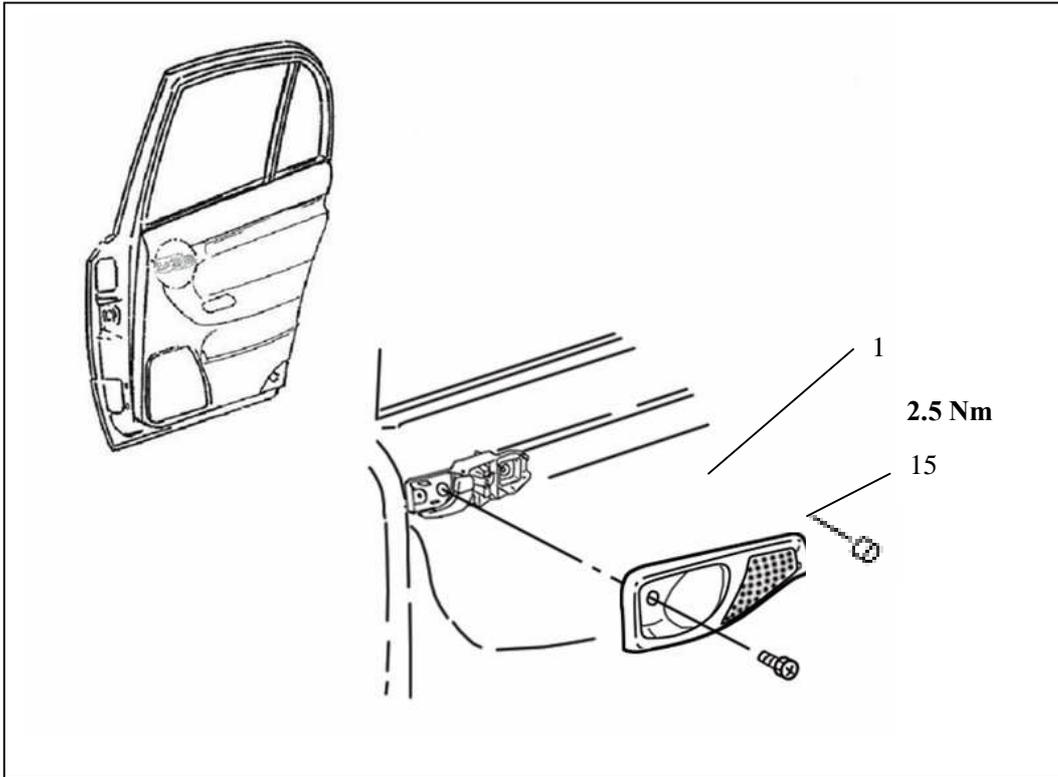
- inner handle frame cover [1]
- (2) bolt hole protective cover [1]
- (3) inner handle seat [1]
- (4) door lamp [1]
- (5) door trim board [1]
- (6) speaker [1]
- water-proof film [1]

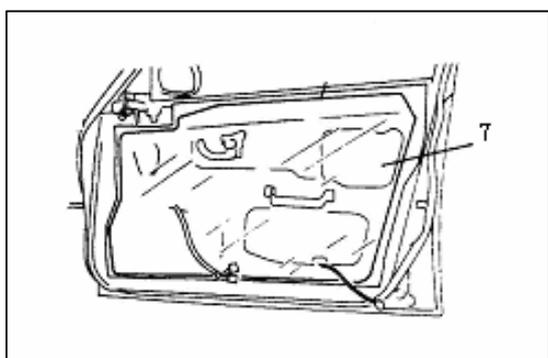
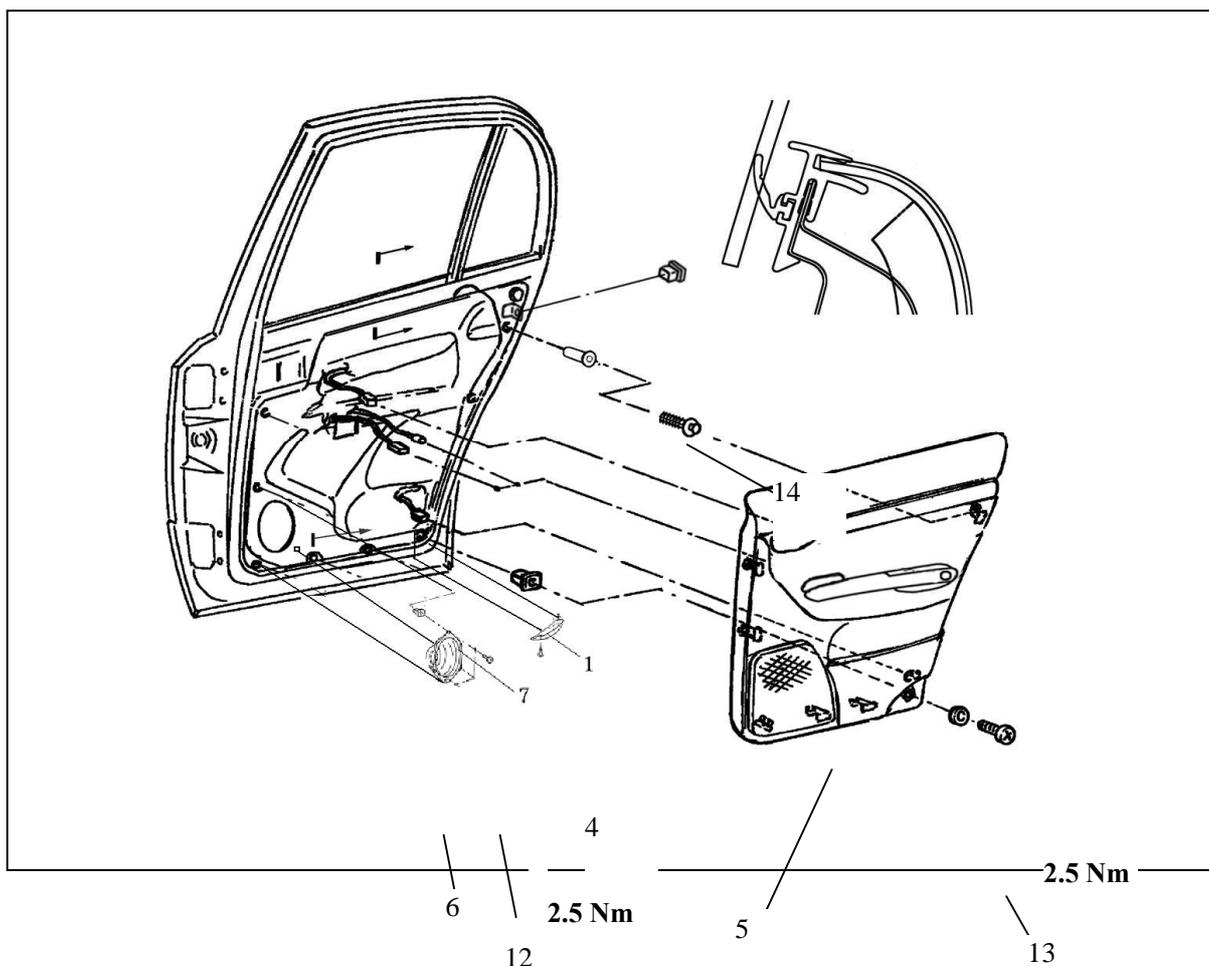
Water-proof film: ensure reliable seal on the edges when reassembled after removal. Or, replace new one.

Standard parts:

- (8) hex flange bolt m6*16 [1] (12) cross recess pan-headed self-tapping screw ST4.2*19 [3]
- (9) self-tapping combination screw ST4.2*16 [1+1] (13) self-tapping combination screw ST4.8*25 [1]
- (10) protective cap [1+1] (14) plastic buckle [1+1]
- (11) cross recess pan-headed self-tapping combination screw ST4.8*16 [1] (15) recess sunk screw [1]

II. Removal and installation of rear door trimmings and water-proof film





1. Steps to remove :

- inner handle frame cover [1]
- (2) protective cover [1]
- (3) rear ashtray [1]
- (4) door lamp [1]
- (5) door trim board [1]
- (6) speaker (for some models) [1]
- water-proof film [1]

Water-proof film: ensure reliable seal on the edges when reassembled after removal. Or, replace new one.

Standard parts:

- (8) hex flange bolt m6*16 [1]
- (9) combination self-tapping screw ST4.2*16 [1]
- (10) protective cap [1]
- (11) cross recess pan-headed self-tapping combination screw ST4.8*16 [1]
- 12) cross recess pan-headed self-tapping screw ST4.2*19 [3]
- (13) self-tapping combination screw ST4.8*25 [1]
- (14) plastic snap [1]
- (15) cross sunk screw [1]

Section 15 Window glass and winder

I. Removal and installation

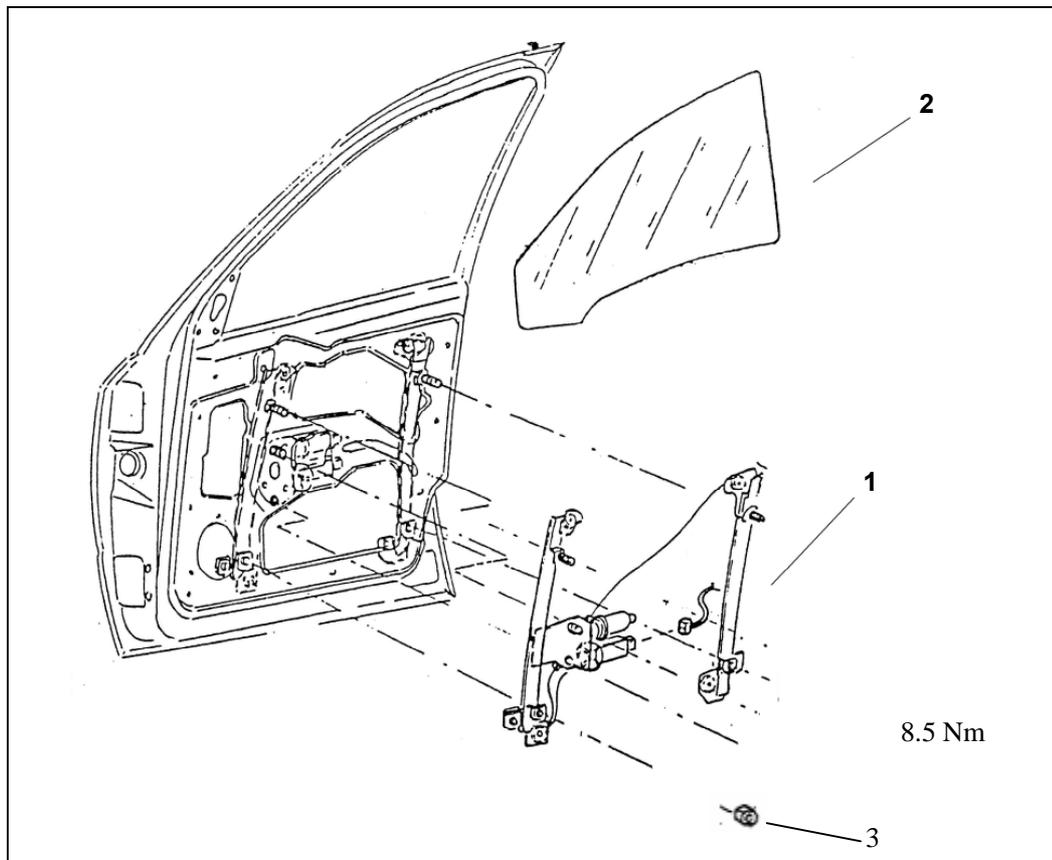
1. Pre-operation Before removal

Removal of door trimmings and water-proof film (see Page 406)

2. Operation after installation

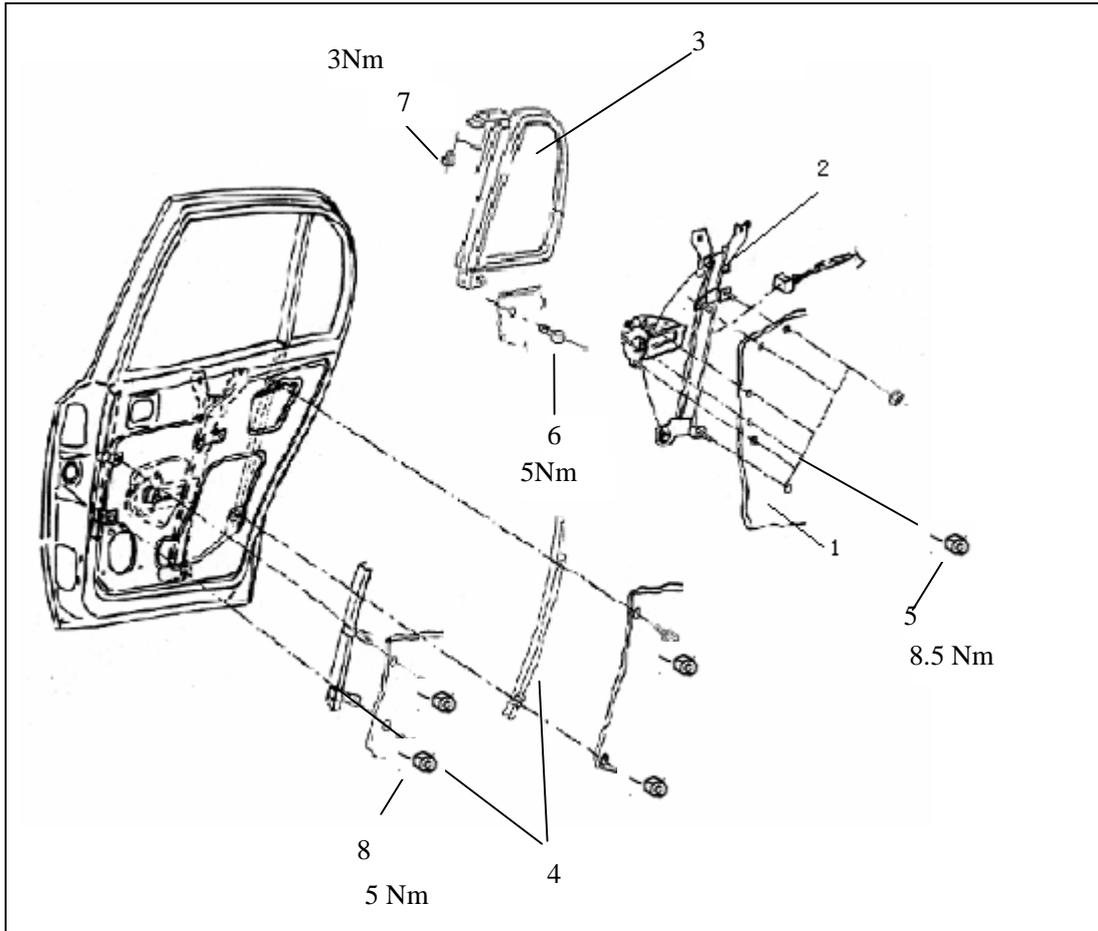
- adjustment of window glass (see Page 389)
- installation of door trimmings and water-proof film (see Page 406)

3. steps to remove front window glass winder assembly



- window glass winder assembly [1]
- window glass [1]
- combination nut [5]

4. steps to remove rear window glass winder assembly



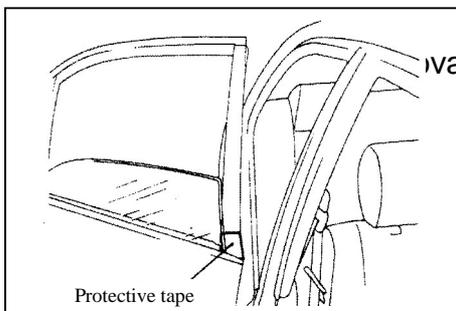
- window glass [1]
- window glass winder assembly [1]
 - combination nut [6]

5. steps to remove fixed window glass

- rear upper guide for rear door, fixed window glass and weather seal assembly
 - assembling boltm8×20 [1]
 - self-tapping lock screw M5×10 [1]

6. steps to remove glass guide

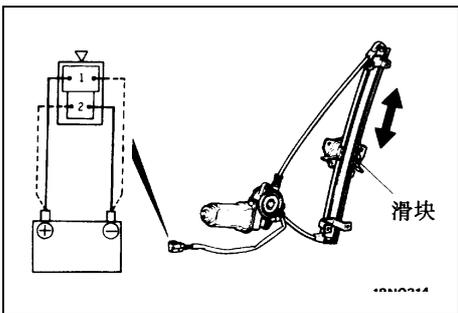
- Removal of front and rear window guides for rear doors
 - combination nut [4]



II. Removal operation notes

Removal of window glass

- apply protective tape as shown in the figure while removing the window glasses in order not to damage the rear door frame assembly.



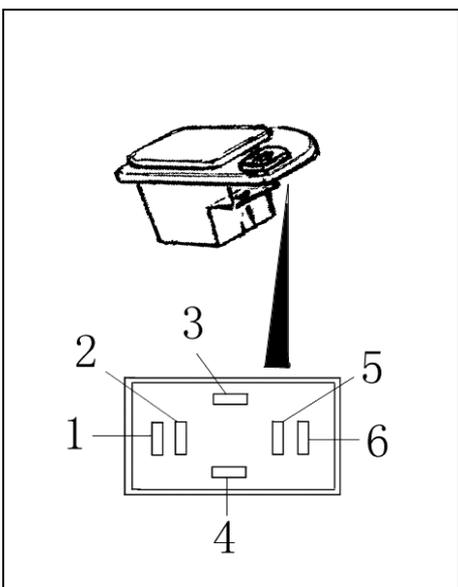
III. Check

1. Power window glass motor

□ when the battery is directly connected with motor terminals, check if sliding block moves flexibly.

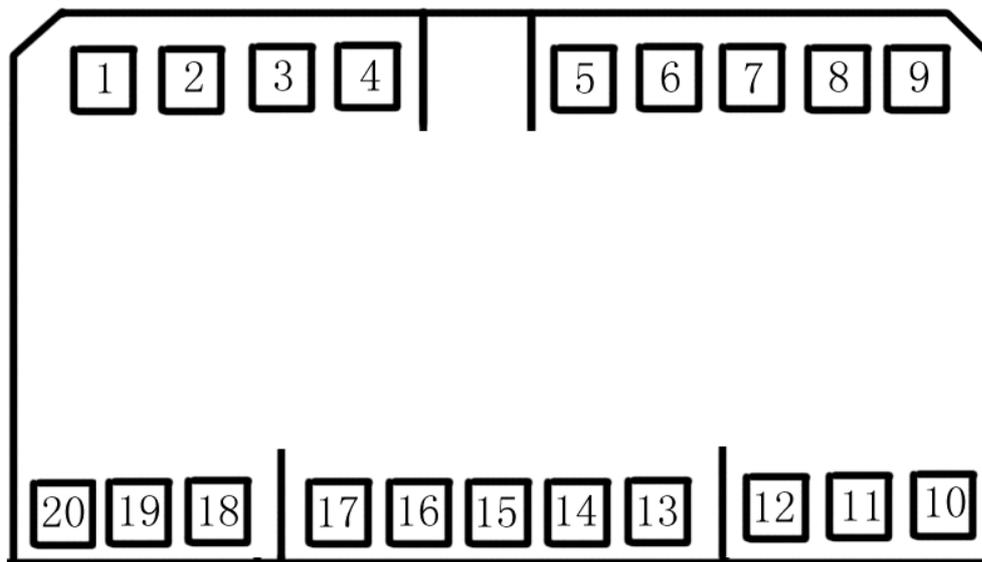
□ if the battery is connected in wrong electrodes, check if the sliding block moves along reverse direction.

2. Check if turn-on of rear door powerwindow glass switch



Terminal	Switch position	
	UP	DOWN
1		○
5	○	○
6	○	

3. Check if turn-on of central console switch



NO. 11 is grounding terminal. Check the following terminals to see if it's turned on with No. 11.

	Switch position	LH	RH
front door	UP	4	18
	DOWN	5	6
rear door	UP	2	7
	DOWN	3	8

Section 16 Door handles and lock latch

I. Removal and installation

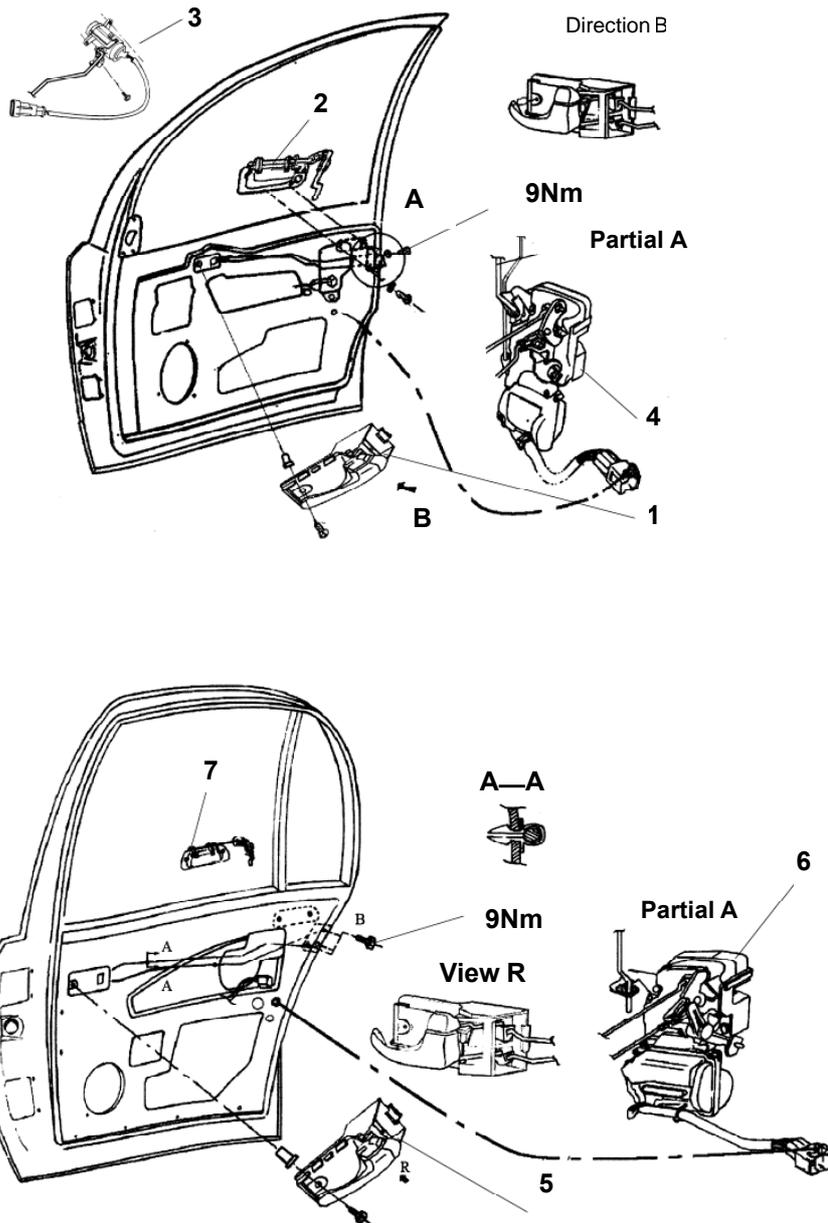
1. Pre-operation Before removal

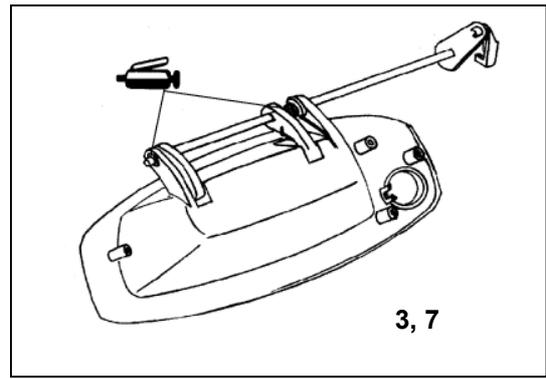
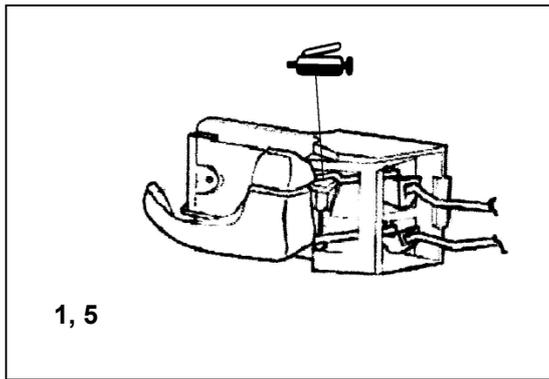
Removal of door trimmings (see Page 406)

2. Operation after installation

Adjustment of inner handle clearance (see Page 390)

installation of door trimmings (see Page 406)





3. Inner handle for front door

- inner handle for front door

4. Outer handle for front door and door lock assembly

Water-proof film (see Page 406)

- inner handle for front door
- front door lock assembly
- outer handle for front door
- door lock core

5. Inner handle for rear door

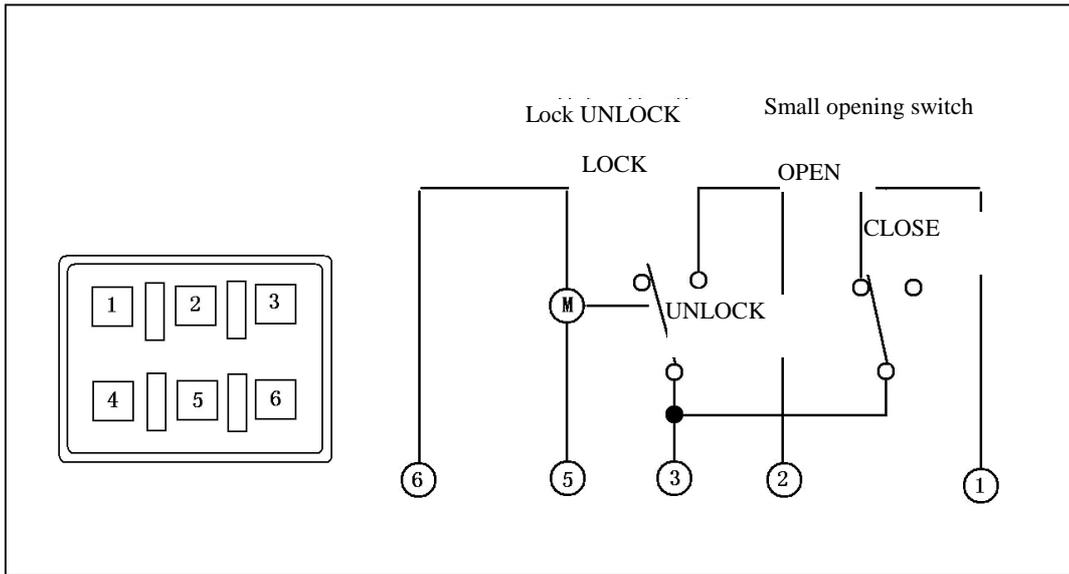
- inner handle for rear door

6. Inner handle for rear door and door lock assembly

Water-proof film (see page 406)

- inner handle for rear door
- rear door latch assembly
- outer handle for rear door

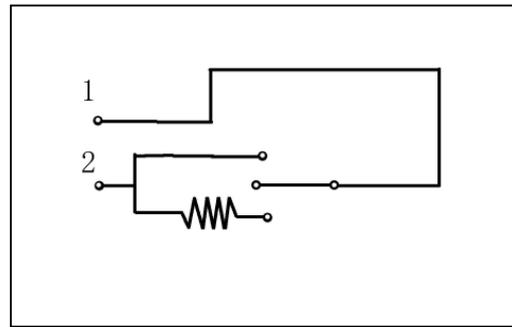
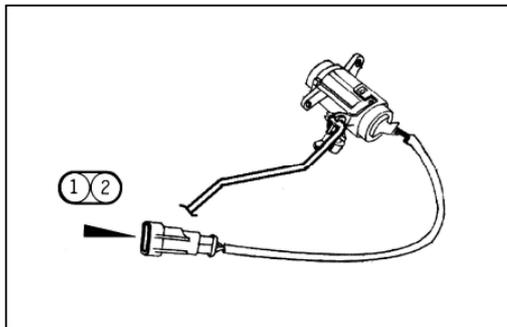
II. check



1. door lock actuator

- put the lever to LOCK position, apply battery voltage to terminal No. 6. check if the lever moves to UNLOCK position when the terminal No. 5 is connected to the ground.
- put the lever to UNLOCK position, apply battery voltage to terminal No. 5 check if the lever moves to LOCK position when the terminal No. 6 is connected to the ground.
- when the lever is at UNLOCK position, check if turn-on between terminal No. 3 and No. 2
 2 当 check if not turn-on when the lever is placed on LOCK position.

2. turn-on position of door lock core switch



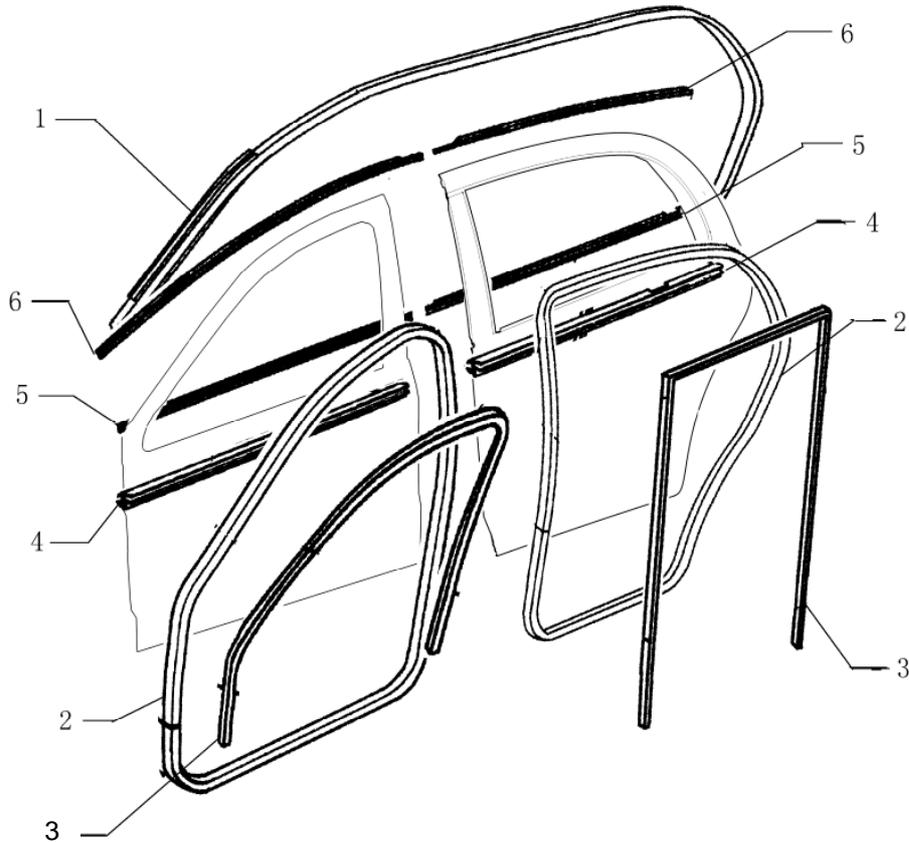
Switch position	Terminal	
	1	2
LOCK	○	○
Neutral, OFF		
UNLOCK	○	○

○ — Electric resistance — ○

Electric resistance value: 200Ω

Section 17 Window glass guide and door weather seal

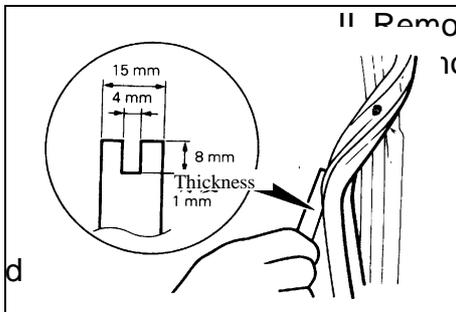
I. Removal and installation



1. steps to remove door inner frame weather seal

Lower trimming for central column (see Page 495)
 front door panel (see Page 404)
 rear door panel (see Page 404)

- door first weather seal [1]
- door outer frame weather seal [1]
- door guide weather seal [1]
- door inner drip cap [1]
- door outer drip cap [1]
- upper trim board [1]



II Removal operation notes

Removal of door outer frame weather seal

Remove the door outer frame weather seal by the tool made as shown in the figure.

III. Installation operation note

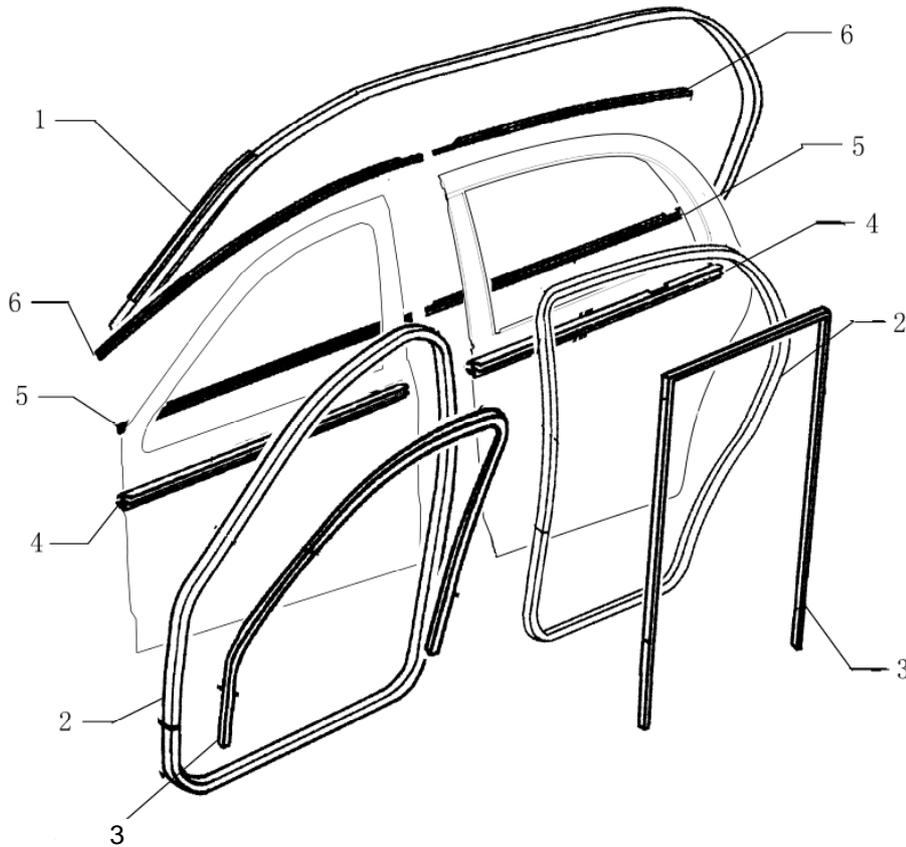
1. Installation of

Recognize LH and RH weather seal by the color of the knuckles. For correct installation, distinguish them by colors

Side applied	Recognition method
LH door	Odd product No.
RH door	Even product No.

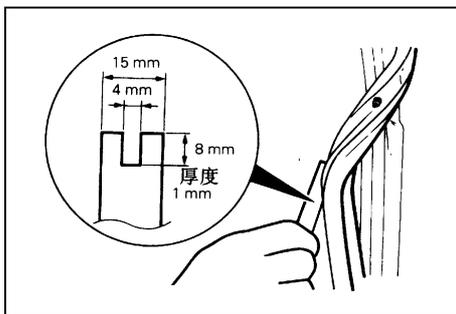
Section 18 Window glass guide and door weather seal

I. Removal and installation



1. steps to remove door inner frame weather seal

- | | |
|--|-------------------------|
| Upper trimming for central column (see Page 495) | (3) door guide seal |
| front door panel (see Page 404) | (4) door inner drip cap |
| rear doorpanel (see Page 404) | (5) door outer drip cap |
| | (6) upper trim board |



II. Removal operation notes

1. Removal of door outer frame weather seal

Remove the door outer frame weather seal by the tool made as shown in the figure.

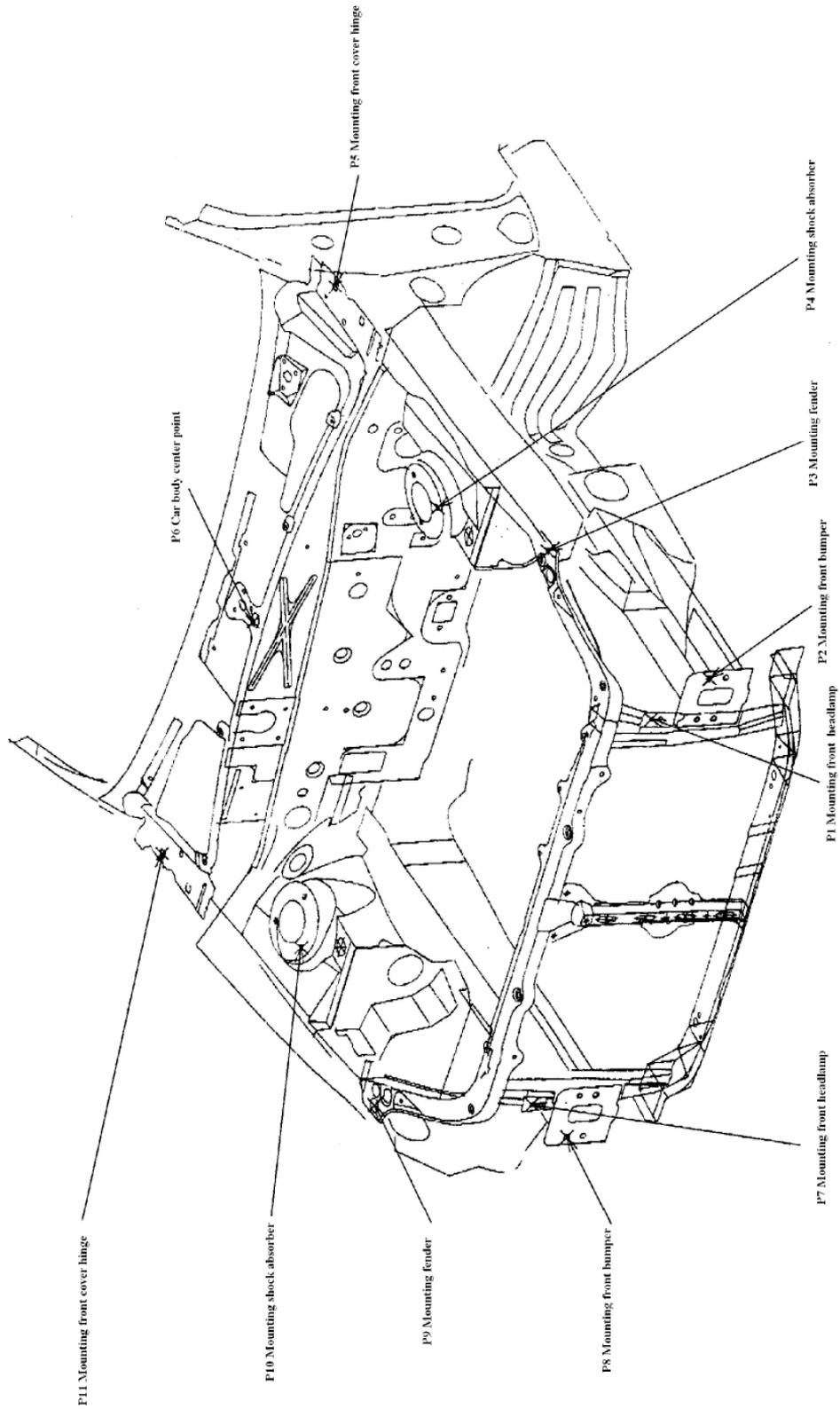
III. Installation operation note

1. Installation of door outer frame weather seal

Recognize LH and RH weather seal by the color of the knuckles. For correct installation, distinguish them by colors

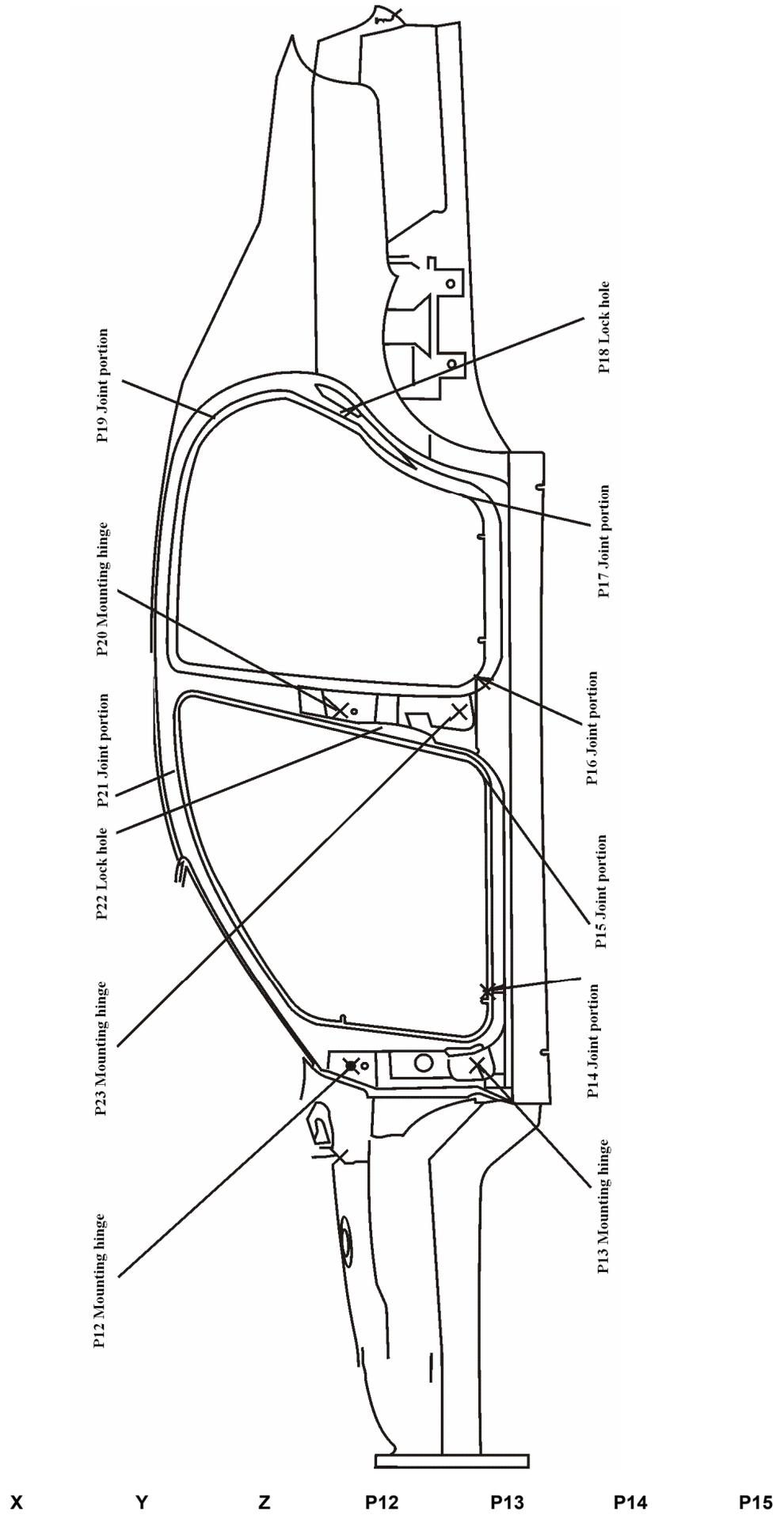
Side applied	Recognition method
LH door	Odd product No.
RH door	Even product No.

Section 19 Body repair



	X	Y	Z	P1	P2	P3	P4
P1	-712	-478	389.9	0	135.101	383.272	649.0051
P2	-708.3	-567.2	288.5	135.101	0	396.509	681.5361
P3	-430	-686.5	544.5	383.272	396.509	0	362.2308
P4	-100.1	-545.8	595.3	649.0051	681.5361	362.2308	0
P5	407.5	-703	627.3	1166.304	1173.983	841.7448	532.3473
P6	248.7	0	690.9	1114.464	1183.001	976.3959	654.7507
P7	-712	478	389.9	956	1050.114	1208.092	1210.28
P8	-708.3	567.2	288.5	1050.114	1134.4	1309.485	1304.915
P9	-430	686.5	544.5	1208.092	1309.485	1373	1276.706
P10	-100.1	545.8	595.3	1210.28	1304.915	1276.706	1091.6
P11	407.5	703	627.3	1644.506	1724.298	1624.491	1348.4

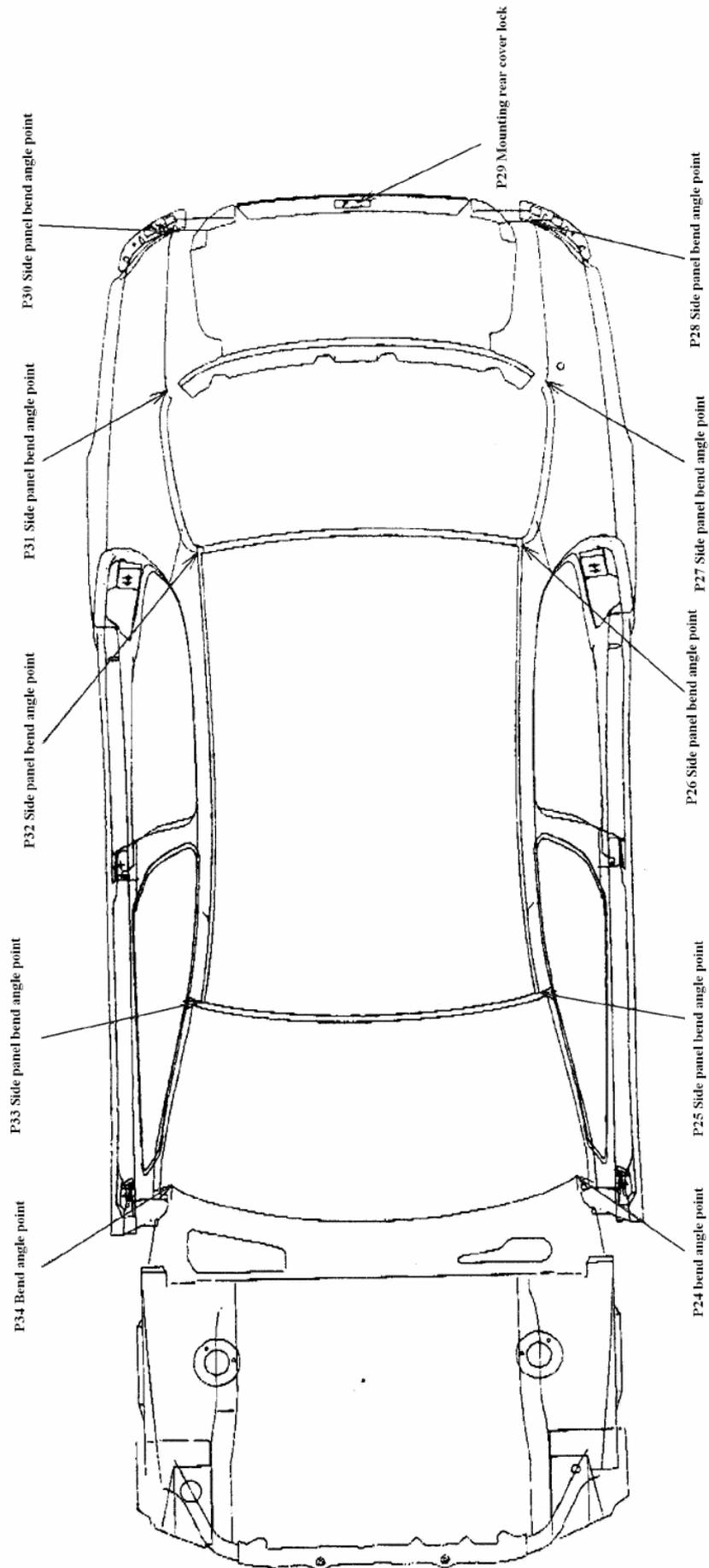
	P5	P6	P7	P8	P9	P10	P11
P1	1166.304	1114.464	956	1050.114	1208.092	1210.28	1644.506
P2	1173.983	1183.001	1050.114	1134.4	1309.485	1304.915	1724.298
P3	841.7448	976.3959	1208.092	1309.485	1373	1276.706	1624.491
P4	532.3473	654.7507	1210.28	1304.915	1276.706	1091.6	1348.4
P5	0	723.5132	1644.506	1724.298	1624.491	1348.4	1406
P6	723.5132	0	1114.464	1183.001	976.3959	654.7507	723.5132
P7	1644.506	1114.464	0	135.101	383.272	649.0051	1166.304
P8	1724.298	1183.001	135.101	0	396.509	681.5361	1173.983
P9	1624.491	976.3959	383.272	396.509	0	362.2308	841.7448
P10	1348.4	654.7507	649.0051	681.5361	362.2308	0	532.3473
P11	1406	723.5132	1166.304	1173.983	841.7448	532.3473	0



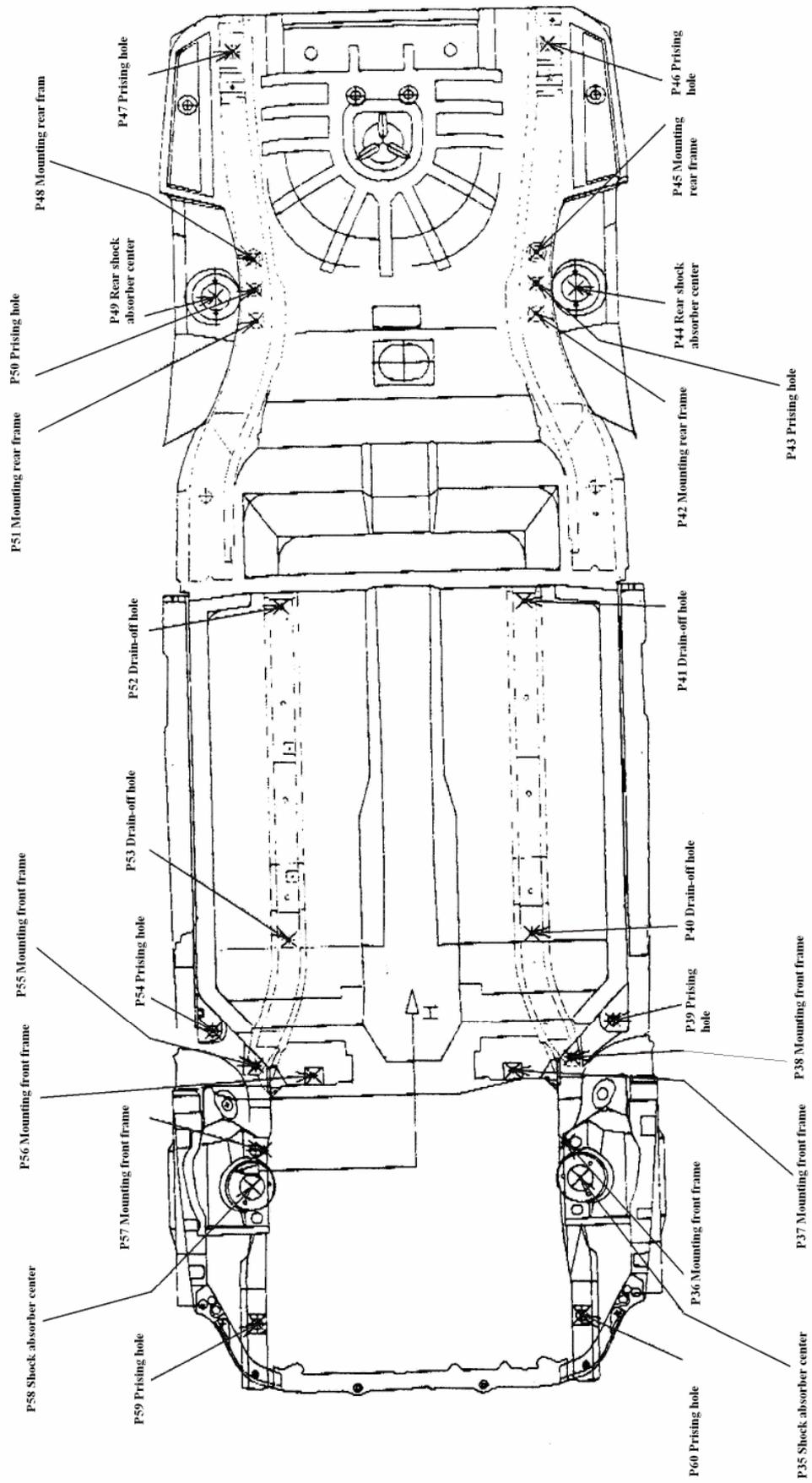


P12	502.4	-792.9	575.9	0	384.5599	480.443	1011.76
P13	502.2	-811.7	191.8	384.5599	0	237.2412	933.6545
P14	728.9	-752.8	154.1	480.443	237.2412	0	706.2776
P15	1434.5	-762.1	183.6	1011.76	933.6545	706.2776	0
P16	1718.2	-761.5	182.7	1278.187	1217.07	989.7516	283.7021
P17	2281.8	-745.1	208.3	1817.603	1780.922	1553.865	847.8304
P18	2561.9	-759.4	560.4	2059.831	2093.076	1877.502	1188.704
P19	2551.4	-619.6	924.4	2085.638	2184.68	1983.081	1347.797
P20	1614.9	-802.2	598.9	1112.777	1184.872	992.6144	454.5616
P21	1453.2	-554.1	1079.3	1102.024	1326.052	1191.674	919.724
P22	1571.7	-789.7	441.8	1077.681	1098.551	891.3163	293.6883
P23	1608.5	-821.1	236.9	1157.227	1107.259	886.1246	191.3058

	P16	P17	P18	P19	P20	P21	P22	P23
P12	1278.187	1817.603	2059.831	2085.638	1112.777	1102.024	1077.681	1157.227
P13	1217.07	1780.922	2093.076	2184.68	1184.872	1326.052	1098.551	1107.259
P14	989.7516	1553.865	1877.502	1983.081	992.6144	1191.674	891.3163	886.1246
P15	283.7021	847.8304	1188.704	1347.797	454.5616	919.724	293.6883	191.3058
P16	0	564.4194	924.387	1124.49	430.7549	957.6697	298.9821	136.1025
P17	564.4194	0	450.1499	775.3926	774.9738	1217.251	748.8347	678.1791
P18	924.387	450.1499	0	390.0645	948.7482	1241.218	997.7375	1008.678
P19	1124.49	775.3926	390.0645	0	1008.13	1111.003	1105.282	1184.195
P20	430.7549	774.9738	948.7482	1008.13	0	564.3445	163.4102	362.5495
P21	957.6697	1217.251	1241.218	1111.003	564.3445	0	689.8955	897.2429
P22	298.9821	748.8347	997.7375	1105.282	163.4102	689.8955	0	210.5332
P23	136.1025	678.1791	1008.678	1184.195	362.5495	897.2429	210.5332	0



	X	Y	Z	P24	P25	P26	P27
P24	536	-655.8	720.7	0	726.4582	2151.423	2668.888
P25	1148.1	-546.6	1096.4	726.4582	0	1507.009	2073.748
P26	2654.7	-523.2	1070.2	2151.423	1507.009	0	607.9519
P27	3202.6	-612.4	822.3	2668.888	2073.748	607.9519	0
P28	3736.8	-580.8	725.2	3201.682	2615.402	1137.226	543.8719
P29	3809	-20	449.6	3345.185	2788.556	1403.839	926.0475
P30	3736.8	580.8	725.2	3431.373	2847.839	1583.913	1310.925
P31	3202.6	612.4	822.3	2954.557	2374.738	1285.004	1224.8
P32	2654.7	523.2	1070.2	2449.71	1847.972	1046.4	1285.004
P33	1148.1	546.6	1096.4	1400.565	1093.2	1847.972	2374.738
P34	536	655.8	720.7	1311.6	1400.565	2449.71	2954.557
	P28	P29	P30	P31	P32	P33	P34
P24	3201.682	3345.185	3431.373	2954.557	2449.71	1400.565	1311.6
P25	2615.402	2788.556	2847.839	2374.738	1847.972	1093.2	1400.565
P26	1137.226	1403.839	1583.913	1285.004	1046.4	1847.972	2449.71
P27	543.8719	926.0475	1310.925	1224.8	1285.004	2374.738	2954.557
P28	0	629.019	1161.6	1310.925	1583.913	2847.839	3431.373
P29	629.019	0	664.9277	952.1323	1418.668	2796.386	3353.018
P30	1161.6	664.9277	0	543.8719	1137.226	2615.402	3201.682
P31	1310.925	952.1323	543.8719	0	607.9519	2073.748	2668.888
P32	1583.913	1418.668	1137.226	607.9519	0	1507.009	2151.423
P33	2847.839	2796.386	2615.402	2073.748	1507.009	0	726.4582
P34	3431.373	3353.018	3201.682	2668.888	2151.423	726.4582	0





	X	Y	Z	P35	P36	P37	P38	P39
P35	-48.9	-520.9	599.3	0	417.4632	681.2918	694.1556	791.8161
P36	68.4	-479.5	200.8	417.4632	0	322.5525	325.4167	464.2945
P37	305	-316.5	54.2	681.2918	322.5525	0	190.7596	357.2072
P38	342	-501.5	26	694.1556	325.4167	190.7596	0	178.5046
P39	458	-635	1.8	791.8161	464.2945	357.2072	178.5046	0
P40	753	-386	-46	1038.101	733.7095	464.2998	432.9495	388.9869
P41	1840	-386	-38.5	1998.232	1790.132	1539.366	1503.83	1404.831
P42	2769	-444.5	177.5	2850.318	2700.927	2470.401	2432.392	2325.485
P43	2871.5	-447	183.5	2950.777	2803.342	2573.066	2534.985	2427.62
P44	2852.2	-571.1	628.8	2901.684	2817.999	2623.588	2582.502	2475.764
P45	2974	-450	177.5	3053.009	2905.843	2675.18	2636.86	2528.903
P46	3653	-500	213.4	3722.018	3584.681	3356.802	3316.299	3204.844
P47	3653	500	213.4	3859.433	3716.038	3449.8	3464.223	3397.208
P48	2974	450	177.5	3202.887	3050.742	2779.62	2802.807	2745.606
P49	2852.2	571.1	628.8	3099.954	3006.075	2757.939	2795.522	2753.18
P50	2871.5	447	183.5	3104.586	2952.299	2680.778	2706.073	2651.174
P51	2769	444.5	177.5	3008.4	2854.393	2581.786	2609.252	2556.738
P52	1840	386	-38.5	2190.251	1986.183	1690.658	1742.361	1718.717
P53	753	386	-46	1371.832	1130.786	839.1962	980.6943	1063.838
P54	458	635	1.8	1396.445	1197.288	965.1461	1142.661	1270
P55	342	501.5	26	1235.628	1033.331	819.3218	1003	1142.661
P56	305	316.5	54.2	1060.008	843.2598	633	819.3218	965.1461
P57	68.4	479.5	200.8	1083.218	959	843.2598	1033.331	1197.288
P58	-48.9	520.9	599.3	1041.8	1083.218	1060.008	1235.628	1396.445
P59	-500	515	211.7	1194.493	1145.525	1168	1332.937	1511.397
P60	-500	-515	211.7	594.7771	569.6118	843.9393	862.3403	988.0395

	P40	P41	P42	P43	P44	P45	P46	P47
P35	1038.101	1998.232	2850.318	2950.777	2901.684	3053.009	3722.018	3859.433
P36	733.7095	1790.132	2700.927	2803.342	2817.999	2905.843	3584.681	3716.038
P37	464.2998	1539.366	2470.401	2573.066	2623.588	2675.18	3356.802	3449.8
P38	432.9495	1503.83	2432.392	2534.985	2582.502	2636.86	3316.299	3464.223
P39	388.9869	1404.831	2325.485	2427.62	2475.764	2528.903	3204.844	3397.208
P40	0	1087.026	2029.195	2131.768	2212.749	2233.134	2913.809	3043.4
P41	1087.026	0	955.5727	1056.881	1226.418	1156.161	1833.963	2033.573
P42	2029.195	955.5727	0	102.7059	476.0478	205.0738	886.4677	1294.15
P43	2131.768	1056.881	102.7059	0	462.672	102.7193	783.8656	1228.188
P44	2212.749	1226.418	476.0478	462.672	0	482.879	904.9271	1400.39
P45	2233.134	1156.161	205.0738	102.7193	482.879	0	681.7843	1168.259
P46	2913.809	1833.963	886.4677	783.8656	904.9271	681.7843	0	1000
P47	3043.4	2033.573	1294.15	1228.188	1400.39	1168.259	1000	0
P48	2383.629	1425.31	917.6902	902.8573	1123.01	900	1168.259	681.7843
P49	2403.755	1544.629	1114.467	1111.392	1142.2	1123.01	1400.39	904.9271
P50	2287.925	1344.308	897.3932	894	1111.392	902.8573	1228.188	783.8656

P51	2191.789	1264.685	889	897.3932	1114.467	917.6902	1294.15	886.4677
P52	1333.27	772	1264.685	1344.308	1544.629	1425.31	2033.573	1833.963
P53	772	1333.27	2191.789	2287.925	2403.755	2383.629	3043.4	2913.809
P54	1063.838	1718.717	2556.738	2651.174	2753.18	2745.606	3397.208	3204.844
P55	980.6943	1742.361	2609.252	2706.073	2795.522	2802.807	3464.223	3316.299
P56	839.1962	1690.658	2581.786	2680.778	2757.939	2779.62	3449.8	3356.802
P57	1130.786	1986.183	2854.393	2952.299	3006.075	3050.742	3716.038	3584.681
P58	1371.832	2190.251	3008.4	3104.586	3099.954	3202.887	3859.433	3722.018
P59	1564.679	2519.921	3407.077	3506.173	3548.356	3605.7	4275.235	4153.027
P60	1285.714	2356.871	3269.939	3372.304	3378.515	3474.776	4153.027	4275.235

	P48	P49	P50	P51	P52	P53	P54	P55
P35	3202.887	3099.954	3104.586	3008.4	2190.251	1371.832	1396.445	1235.628
P36	3050.742	3006.075	2952.299	2854.393	1986.183	1130.786	1197.288	1033.331
P37	2779.62	2757.939	2680.778	2581.786	1690.658	839.1962	965.1461	819.3218
P38	2802.807	2795.522	2706.073	2609.252	1742.361	980.6943	1142.661	1003
P39	2745.606	2753.18	2651.174	2556.738	1718.717	1063.838	1270	1142.661
P40	2383.629	2403.755	2287.925	2191.789	1333.27	772	1063.838	980.6943
P41	1425.31	1544.629	1344.308	1264.685	772	1333.27	1718.717	1742.361
P42	917.6902	1114.467	897.3932	889	1264.685	2191.789	2556.738	2609.252
P43	902.8573	1111.392	894	897.3932	1344.308	2287.925	2651.174	2706.073
P44	1123.01	1142.2	1111.392	1114.467	1544.629	2403.755	2753.18	2795.522
P45	900	1123.01	902.8573	917.6902	1425.31	2383.629	2745.606	2802.807
P46	1168.259	1400.39	1228.188	1294.15	2033.573	3043.4	3397.208	3464.223
P47	681.7843	904.9271	783.8656	886.4677	1833.963	2913.809	3204.844	3316.299
P48	0	482.879	102.7193	205.0738	1156.161	2233.134	2528.903	2636.86
P49	482.879	0	462.672	476.0478	1226.418	2212.749	2475.764	2582.502
P50	102.7193	462.672	0	102.7059	1056.881	2131.768	2427.62	2534.985
P51	205.0738	476.0478	102.7059	0	955.5727	2029.195	2325.485	2432.392
P52	1156.161	1226.418	1056.881	955.5727	0	1087.026	1404.831	1503.83
P53	2233.134	2212.749	2131.768	2029.195	1087.026	0	388.9869	432.9495
P54	2528.903	2475.764	2427.62	2325.485	1404.831	388.9869	0	178.5046
P55	2636.86	2582.502	2534.985	2432.392	1503.83	432.9495	178.5046	0
P56	2675.18	2623.588	2573.066	2470.401	1539.366	464.2998	357.2072	190.7596
P57	2905.843	2817.999	2803.342	2700.927	1790.132	733.7095	464.2945	325.4167
P58	3053.009	2901.684	2950.777	2850.318	1998.232	1038.101	791.8161	694.1556
P59	3474.776	3378.515	3372.304	3269.939	2356.871	1285.714	988.0395	862.3403
P60	3605.7	3548.356	3506.173	3407.077	2519.921	1564.679	1511.397	1332.937

	P56	P57	P58	P59	P60
P35	1060.008	1083.218	1041.8	1194.493	594.7771
P36	843.2598	959	1083.218	1145.525	569.6118
P37	633	843.2598	1060.008	1168	843.9393
P38	819.3218	1033.331	1235.628	1332.937	862.3403
P39	965.1461	1197.288	1396.445	1511.397	988.0395
P40	839.1962	1130.786	1371.832	1564.679	1285.714
P41	1690.658	1986.183	2190.251	2519.921	2356.871
P42	2581.786	2854.393	3008.4	3407.077	3269.939
P43	2680.778	2952.299	3104.586	3506.173	3372.304
P44	2757.939	3006.075	3099.954	3548.356	3378.515
P45	2779.62	3050.742	3202.887	3605.7	3474.776
P46	3449.8	3716.038	3859.433	4275.235	4153.027
P47	3356.802	3584.681	3722.018	4153.027	4275.235
P48	2675.18	2905.843	3053.009	3474.776	3605.7
P49	2623.588	2817.999	2901.684	3378.515	3548.356
P50	2573.066	2803.342	2950.777	3372.304	3506.173
P51	2470.401	2700.927	2850.318	3269.939	3407.077
P52	1539.366	1790.132	1998.232	2356.871	2519.921
P53	464.2998	733.7095	1038.101	1285.714	1564.679
P54	357.2072	464.2945	791.8161	988.0395	1511.397
P55	190.7596	325.4167	694.1556	862.3403	1332.937
P56	0	322.5525	681.2918	843.9393	1168
P57	322.5525	0	417.4632	569.6118	1145.525
P58	681.2918	417.4632	0	594.7771	1194.493
P59	843.9393	569.6118	594.7771	0	1030
P60	1168	1145.525	1194.493	1030	0