

Chery Karry Maintenance Manual

(Carbody Accessories & Dimension)

After-Sales Service Department of Chery Motor Sales Co., Ltd.

TABLE OF CONTENTS

Chapter I Front Compartment Cover & Trunk.....	8
I. Disassembly of the front compartment cover	8
1. Preparation	8
2. Attention	8
3. Disassembly of the front compartment cover accessories	8
3.1. Disassembly steps	8
3.3. Assembly steps	8
4. Disassembly & adjustment of the front compartment cover assembly	9
5. Disassembly & assembly of the air intake grille assembly	9
5.1. Disassembly steps	9
5.2. Assembly steps	9
6. Adjustment & assembly of the front compartment cover lock	9
6.1. Disassembly steps	9
6.2. Assembly steps	10
7. Disassembly of the compartment cover back guy	10
7.1. Disassembly steps	10
7.2. Assembly steps	11
II. Disassembly of the rear door	11
1. Preparation	11
2. Disassembly of the rear cover trim panel	12
2.1. Disassembly steps	12
2.2. Assembly steps	12
3. Disassembly & assembly of the knob lock of the rear door	12
3.1. Disassembly steps	12
3.2. Assembly steps	12
4. Disassembly of the lock core of the rear door	13
4.1. Disassembly steps	13
4.2. Assembly steps	13
5. Disassembly of the trim of the license plate lamp	14
5.1. Disassembly steps	14
5.2. Assembly steps	14
6. Disassembly of the rear door handle	14
6.1 Disassembly steps	14
6.2. Assembly steps	15
7. Disassembly of the license plate lamp	15
7.1. Disassembly steps	15
7.2. Assembly steps	16
Chapter II Disassembly & Assembly of the Internal Trim Parts.....	17
I. Disassembly & assembly of the safety belt	17
1. Preparation	17
2. Attention	17
3. Disassembly steps (e.g. driver's safety belt)	17

4. Assembly steps.....	19
Assemble according to the inverted sequence of the disassembly.....	19
II. Disassembly & assembly of the seat	20
2. Disassembly steps of middle row seats	20
3. Disassembly steps of the back row seat	21
4. Assembly steps.....	22
III. Disassembly & assembly of the console.....	22
1. Disassembly steps	22
2. Assembly steps.....	23
IV. Disassembly & assembly of the carpet.....	24
1. Disassembly steps	24
2. Assembly steps.....	26
V. Disassembly of the shock pad.....	26
1. Disassembly steps	26
2. Assembly steps	26
Chapter III Disassembly & Maintenance of the Car Door.....	27
I. Disassembly, assembly & maintenance of the front door.....	27
1. Lamp system constitution diagram	27
2. Preparation	28
3. Attentions	28
4. Disassembly steps	28
5. Assembly & adjustment steps	32
II. Disassembly, Assembly & Maintenance of the Side Door	33
1. Preparation	33
2. Attentions	33
3. Disassembly & assembly steps	33
4. Assembly steps	36
Chapter IV Disassembly, Assembly & Maintenance of the Front & Rear Bumper	37
I. Disassembly, assembly & maintenance of the front bumper	37
1. Preparation	37
2. Attentions	37
3. Disassembly steps	37
4. Assembly steps	39
II. Disassembly, assembly & maintenance of the rear bumper	39
1. Preparation	39
2. Attentions	39
3. Disassembly steps	40
4. Assembly steps	41
Chapter V Disassembly, Assembly & Maintenance of the Front Headlamp, Fog Lamp & Tail Lamp	42
1. Lamp system constitutional diagram	42
2. Preparation	42
3. Attentions	42
4. Disassembly steps of the front headlamp	42

5. Disassembly of the front fog lamp	44
6. Disassembly of the rear fog lamp.....	46
7. Disassembly steps of the rear tail lamp	47
Chapter VI Disassembly& assembly of the Roof	48
1. Preparation	48
2. Attentions	48
3. Disassembly & assembly of the sunshade panel	48
3.1. Disassembly steps	48
3.2. Assembly steps	48
4. Disassembly & assembly of the roof handrail	48
4.1. Disassembly steps	48
4.2. Assembly steps	49
5. Disassembly & assembly of the front & rear ceiling lamp	49
5.1. Disassembly & assembly of the front ceiling lamp	49
5.1.1. Disassembly steps	49
5.1.2. Assembly steps	49
5.2. Disassembly & assembly of the rear ceiling lamp	50
5.2.1. Disassembly steps	50
5.2.2. Assembly steps	50
6. Disassembly & assembly of A pillar shield.....	51
6.1. Disassembly steps	51
6.2. Assembly steps	51
7. Disassembly & assembly of side shield of the roof	51
7.1. Disassembly steps	51
7.2. Assembly steps	51
8. Disassembly & assembly of B pillar shield	52
8.1. Disassembly steps	52
8.2. Assembly steps	52
9. Disassembly & assembly of the bottom board front storage box.....	52
9.1. Disassembly steps	52
9.2. Assembly steps	53
10. Disassembly & assembly of the roof	53
10.1. Disassembly steps	53
10.2. Assembly steps	53
Chapter VII Disassembly & Assembly of the Instrument Panel	54
Section I Instrument panel system constitutional diagram.....	54
Section II Disassembly & assembly of the instrument panel	55
I. Disassembly & assembly of the instrument panel accessories	55
1. Preparation	55
2. Attention.....	55
3. Disassembly & assembly of the radio & tape player	55
3.1. Disassembly steps	55
3.2. Assembly steps	56
4. Disassembly & assembly of the air conditioner controlled panel	56

4.1. Disassembly steps	56
4.2. Assembly steps	56
5. Disassembly & assembly of the glove box	56
5.1. Disassembly steps	56
5.2. Assembly steps	57
6. Disassembly & assembly of the combined instruments	57
6.1. Disassembly steps	57
6.2. Assembly steps	59
7. Disassembly & assembly of the steering wheel	59
8. Disassembly & assembly of combined switches, wiper switch and ignition switch	60
II. Disassembly & assembly of the main parts of the instrument panel	60
1. Preparation	60
2. Attention	60
3. Disassembly & assembly of the main parts of the instrument panel	60
3.1. Disassembly steps	60
3.2. Assembly steps	62
Chapter VIII Air Conditioner System	63
I. System combination	63
II. Disassembly & assembly of the evaporator assembly	63
1. Preparation	63
2. Disassembly steps	64
3. Assembly of the evaporator assembly	65
4. Disassembly & assembly of the interior evaporating tank	65
4.1. Disassembly steps	65
4.2. Assembly steps	68
III. Standard sides pressure value of high pressure & low pressure of the air conditioner system	69
IV. Frequent Troubleshooting	69
Chapter IX Disassembly & Assembly of the Wiper System	72
I. Wiper system constitutional diagram	72
II. Disassembly & assembly of the wiper mechanism	72
1. Preparation	72
2. Attention	73
3. Disassembly steps	73
4. Assembly steps	74
Chapter X Carbody Dimension	75
I. Main beam dimension	75
II. Carbody assembly dimension	76
1. Right front view	76
2. Right side view	81
3. Rear view	106
III. Engine room dimension	111
IV. Windscreen dimension	112

V. Open size dimension of each part.....	114
Chapter XI Disassembly & Assembly of the Wiring Harness.....	115
Section I Wiring Harness of the Left Front Compartment	115
I. Wiring harness sketch	115
II. Main plug-in units explanation	116
III. Disassembly & assembly of the left front compartment	119
(I).Preparation	119
(II).Attentions.....	120
(III).Disassembly steps.....	120
(III).Assembly steps	124
Section II Wiring Harness of the Front Compartment.....	125
I. Wiring harness sketch	125
II. Main plug-in units explanation	126
III. Disassembly & assembly of the right front compartment wiring harness	127
(I).Preparation	127
(II).Attentions.....	127
(III).Disassembly steps.....	127
(IV).Assembly steps.....	129
Section III Electrical Spray Wiring Harness of the Engine.....	130
I. Wiring harness sketch	130
II. Main plug-in units explanation	131
(I).Preparation	133
(II).Attention	133
(III).Disassembly steps.....	133
(IV).Assembly steps.....	136
Section IV Wiring Harness of the Instrument	137
I. Wiring harness sketch	137
II. Main plug-in units explanation	138
III. Disassembly & assembly of the instrument wiring harness	139
(I).Preparation	139
(II) .Attentions.....	139
(III).Disassembly steps.....	139
(IV).Assembly steps.....	140
Section V Wiring Harness of the left front door	141
I. Wiring harness sketch	141
II. Main plug-in units explanation	142
III. Disassembly & assembly of the wiring harness of the left front door	142
(I).Preparation	143
(II).Attentions.....	143
(III).Disassembly steps.....	143
(IV).Assembly steps.....	144
Section VI Wiring Harness of the Right Front Door.....	145
I. Wiring harness sketch	145
II. Main plug-in units explanation	146

III. Disassembly & assembly of the wiring harness of the right front door	146
(I).Preparation	146
(II).Attentions.....	146
(III).Disassembly steps.....	147
(IV).Assembly steps.....	148
Section VII Roof Wiring Harness	149
I. Wiring harness sketch	149
II. Main plug-in units explanation	150
III. Disassembly & assembly of the roof wiring harness	150
(I).Preparation	150
(II).Attentions.....	150
(III).Disassembly steps.....	150
(IV).Assembly steps.....	151
Section VIII Wiring Harness Inside Floor.....	152
I. Wiring harness sketch	152
II. Main plug-in units explanation	153
III. Disassembly & assembly of the inside floor wiring harness	157
(I).Preparation	157
(II).Attentions.....	157
(III).Disassembly steps.....	157
(IV).Assembly steps.....	165
Section IX Wiring Harness of the Rear Trunk Door	166
I. Wiring harness sketch	166
II. Main plug-in units explanation	167
III. Disassembly & assembly of the rear door wiring harness	167
(I).Attentions	167
(II).Disassembly steps.....	167
(III). Assembly steps	169

Chapter I Front Compartment Cover & Trunk

I. Disassembly of the front compartment cover

1. Preparation

Tools: Socket wrench 10#, connecting rod, ratchet wrench, ring wrench 8#

2. Attention

In the process of the disassembly, pay particular attention to the suitable force using and the careless operation is forbidden.

3. Disassembly of the front compartment cover accessories

3.1. Disassembly steps

3.1.1. Disassemble the earthed bolts with the tool, which is shown as the figure



3.3.2. Take out the washing hose of the washing liquid



3.3.2. Press clips of 2 water nozzles below the front compartment cover, drive water nozzles from the beneath the front compartment cover and then take out water nozzles from the outside



3.3. Assembly steps

Assemble according to the inverted sequence of the disassembly

4. Disassembly & adjustment of the front compartment cover assembly

4.1. Unscrew 4 bolts of the front compartment cover, which can take out the front compartment cover (At the same time, through loosening 4 bolts, the front & rear positions and left & right positions of the front compartment cover can be adjusted).

4.2. Assembly of the front compartment cover assembly
Assemble according to the inverted sequence of the disassembly
Assembly moment: (10 ± 1) Nm



5. Disassembly & assembly of the air intake grille assembly

Tool: Ring wrench 8#

5.1. Disassembly steps

5.1.1. Unscrew 6 fixing bolts of the air intake grille assembly shown as the figure with the wrench

5.1.2. Just take out the air intake grille assembly



5.2. Assembly steps

Assemble according to the inverted sequence of the disassembly
Assembly moment: (8 ± 0.5) Nm

6. Adjustment & assembly of the front compartment cover lock

Tools: A drill bit with 6mm diameter & electric drill

6.1. Disassembly steps

6.1.1. The lock device under the front compartment cover is riveted with the cross bar of the water tank through the rivet and normally not need to disassemble it, but should take out the rivet when required disassembly



6.1.2. Take out the back guy of the front compartment cover lock from the lock assembly under the front compartment cover



6.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

7. Disassembly of the compartment cover back guy

Tools: Phillips screwdriver

7.1. Disassembly steps

7.1.1. Disassemble 2 fixing bolts of the handle which can open the front compartment cover in the car cab
Assembly moment: $5 \pm 0.5 \text{ Nm}$



7.1.2. Take out the back guy from its cover



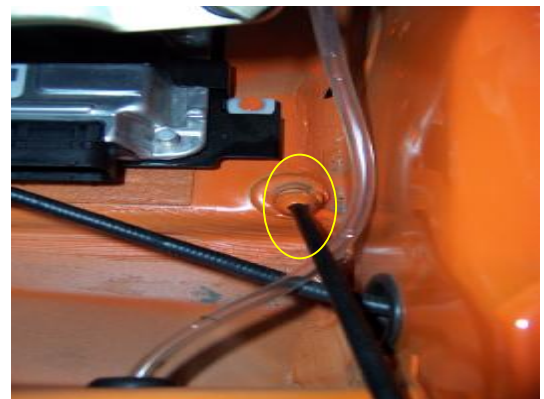
7.1.3. Take out the back guy head from the lock device under the front compartment cover



7.1.4. Take out 2 buckles which can fix the back guy with the Phillips screwdriver



7.1.5. Take out the back guy from the closure which is from the front compartment through the car



7.1.6. Pull out the back guy



7.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

Attention: When assembling, embed the slot of the back guy into the kerf

II. Disassembly of the rear door

1. Preparation

Tools: Phillips screwdriver, ring wrench 13#, socket wrench 10#, connecting rod, ratchet wrench, flat-end screwdriver

2. Disassembly of the rear cover trim panel

2.1. Disassembly steps

2.1.1. Just take out the buck one by one of the internal trim panel of the rear door



2.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

3. Disassembly & assembly of the knob lock of the rear door

3.1. Disassembly steps

Tool: Flat-end screwdriver

3.1.1. Take 2 pull rods connecting with the lock of the rear door



3.1.2. Unscrew 3 position-fixing bolts of the knob lock with the Ring wrench 8#, and then may take out the lock. (Assembly Moment is $9\pm 1\text{Nm}$)

3.2. Assembly steps

Assemble according to the inverted sequence of the disassembly



4. Disassembly of the lock core of the rear door

Preparation tool: Flat-end screwdriver

4.1. Disassembly steps

4.1.1. Separate the lock core with the connecting rod



4.1.2. Prize up the positioning clip with the flat-end screwdriver, take it out and then just take out the lock core
Attention: Do not throw the washer of the lock core



4.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

Pay attention to right assembly which is completely jointed with the plate work of the car door.

5. Disassembly of the trim of the license plate lamp

Tool: Ring wrench 10#

5.1. Disassembly steps

5.1.1. Unscrew 2 bolts of the trim panel with ring wrench 10#



5.1.2. Take out the trim panel



5.2. Assembly steps

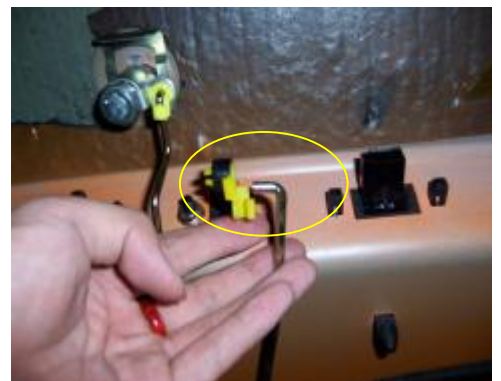
Assemble according to the inverted sequence of the disassembly(Assembly moment: $10\pm 1\text{Nm}$)

6. Disassembly of the rear door handle

Tool: Ring wrench 10#

6.1 Disassembly steps

6.1.1. Disassemble the pull rod of the handle, and then unscrew 2 positioning bolts of the handle with the tool.



6.1.2. Take out the rear handle



6.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

7. Disassembly of the license plate lamp

Tool: Phillips screwdriver

7.1. Disassembly steps

7.1.1. Take out the connector of the left & right license plate lamps



7.1.2. Align the bolts of the license plate with the Phillips screwdriver, unscrew them and there are 4 bolts in all.



7.1.3. Take out license plate lamps

7.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

Assembly moment: $5\pm 0.5\text{Nm}$

Chapter II Disassembly & Assembly of the Internal Trim Parts

I. Disassembly & assembly of the safety belt

1. Preparation

Tools: Slotted screwdriver, wrench and socket wrench

Parts: one-time buckle

2. Attention

Keep the safety belt clean, avoid being stained with the oil and check whether the safety belt is spoiled or not

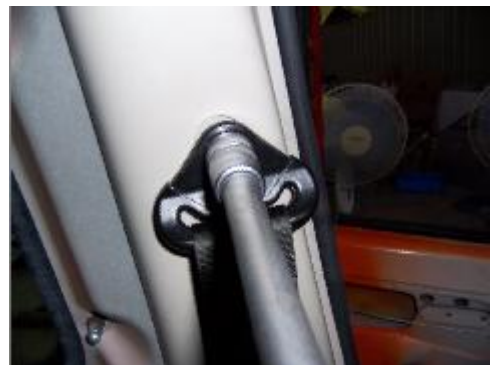
3. Disassembly steps (e.g. driver's safety belt)

3.1. Prize up the protective cover of the bolts above the safety belt with the slotted screwdriver



3.2. Unscrew fixing bolts above the safety belt with the socket wrench 17#

Moment: $50 \pm 10 \text{ N}\cdot\text{m}$



3.3. Carefully prize the protective cover of bolts below the safety belt with the slotted screwdriver



3.4. Unscrew fixing bolts below the safety belt with the socket wrench 17#

Moment: $50 \pm 10 \text{ N}\cdot\text{m}$



3.5. Partially disassemble the rubber strip at the driver's side door



3.6. Prize up the upper shield of the B pillar with the slotted screwdriver



3.7. Prize up the pressing panel of the threshold with the slotted screwdriver

Attention: The inside is fixed by the clip.



3.8. Unscrew 3 fixing bolts of the down shield of the B pillar with the slotted screwdriver

Moment: $3 \pm 0.5 \text{ Nm}$





3.9. Take out the down shield of the B pillar



3.10. Loosen fixing bolts with the socket wrench 17# and take out the safety belt

Moment: $50 \pm 10 \text{ N}\cdot\text{m}$



4. Assembly steps

Assemble according to the inverted sequence of the disassembly

Attention:

- 4.1. Keep the safety belt clean, avoid being stained with the oil and check whether the safety belt is spoiled or not;
- 4.2. The pillar shield fits with the carbody firmly, flexible phenomenon is not allowed to start; and it should fit with the roof, sealing strip well;
- 4.3. The safety belt adjusting slide way baffle plate of the upper shield of the B pillar should move smoothly, not affect the adjustment of the safety belt and the fit clearance with the down shield is even and less than 1mm;
- 4.4. The fit clearance between the down shield of the B pillar & the threshold pressing panel of the front and rear door should be less than 1mm;



II. Disassembly & assembly of the seat

Preparation tools: Ring wrench 10#, socket wrench 17# and slotted screwdriver

1. Disassembly of front row seats

1.1. Make the seat move forward through pulling the moving handle below the seat and uncover the fixing bolts under the seat

1.2. Unscrew 1 fixing bolt after seats with the socket wrench 17#

Moment: $25 \pm 3 \text{ N}\cdot\text{m}$



1.3. Unscrew the limiting bolts of the slide way under seats with the ring wrench 10#

1.4. Move back seats through pulling the moving handle under seats and take out seats



2. Disassembly steps of middle row seats

2.1. Pull up the cushion of the rear row seat by hands and separate the cushion from the buckle of the chassis of carbody.



2.2. Unscrew 4 inner hexagonal bolts shown as the figure with the inner hexagon spanner and take out the cushion of the middle row seat

Moment: $2.5 \pm 0.5 \text{ N}\cdot\text{m}$



2.3. Pull out the left side backrest of the middle row seat and move forward a little



2.4. Move the left side backrest of the middle row seat to the middle and take out the left side backrest of the middle row seat



2.5. Pry up the rotary clip of the backrest with the slotted screwdriver and take out the left side backrest of the middle row seat with the same way



3. Disassembly steps of the back row seat

3.1. Pull back the pull rod under the rear row seat, pull up the rear row seat at the same time and may separate the rear row seat from the slot



3.2. Make the rear row seat be in the attitude shown as the figure, and pull back the rear row seat to take out the rear row seat



4. Assembly steps

4.1. Align 2 front slots to make the rear row seat be in the attitude shown as the figure



4.2. Put down the seat with a little bit force, make 2 rear slots held well and complete the assembly of the rear row seat.

III. Disassembly & assembly of the console

Preparation tool: Phillips screwdriver

1. Disassembly steps

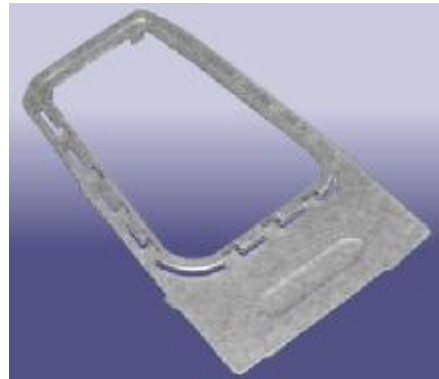
1.1. Draw out the front ash tray, press the spring leaf in the center of the ash tray with the hand and take out the rear Ash tray



1.2. Unscrew 2 bolts connecting the console with the instrumental panel with the Phillips screwdriver.
Moment: $3 \pm 0.5 \text{ N.m}$



1.3. Prize up the shield of the changing gear mechanism with the slotted screwdriver



1.4. Unscrew bolts connecting the console with the carbody with the Phillips screwdriver
Moment: $3 \pm 0.5 \text{ N.m}$



1.5. Prize up 2 clips shown as the figure with the slotted screwdriver



1.6. Take out the console with two hands

1.7. Take out the plug of the smoke lighter



2. Assembly steps

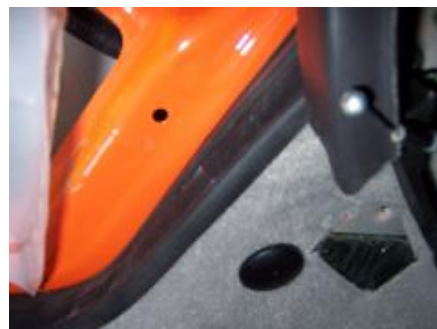
Assemble according to the inverted sequence of the disassembly

IV. Disassembly & assembly of the carpet

Preparation tools: Slotted screwdriver, Phillips screwdriver, socket wrench

1. Disassembly steps

- 1.1. Disassemble the front, middle and rear row seats. (See the disassembly of the seat)
- 1.2. Disassemble the threshold pressing panel, B pillar, C pillar and under shield of the D pillar. (See the disassembly of the B pillar, C pillar and D pillar)
- 1.3. Disassemble the console & the shield of the manual brake. (See the disassembly of the console & the shield of the manual brake)
- 1.4. Unscrew 5 plastic covers at left & right sides under the instrumental panel



1.5. Disassemble the trim parts of the limiting device of the throttle pedal



1.6. Unscrew 3 fixing bolts of the left & right shields under the instrumental panel with the Phillips screwdriver and take out shields

Moment: $3 \pm 0.5 \text{ N.m}$



1.7. Take out all the plugs of plug-in units in the carpet hole and take out the carpet



2. Assembly steps

2.1. Put the carpet in the car, compact the carpet of the middle path, uncover the corresponding hole from the carpet hole and compact the carpet.

2.2. Pave the left & central carpet according to the shape of the car floor, uncover the assembly holes of left & front seats and compact the carpet.



2.3. Pave the right & central carpet according to the shape of the car floor, uncover the assembly holes of right front & rear seats and compact the carpet.

2.4. Pave the rear carpet along the end of the car.

V. Disassembly of the shock pad

1. Disassembly steps

1.1. Disassemble the carpet (See the disassembly of the carpet).

1.2. Remove all the shock pads.

There is the shock pad before the middle row which is similarly arranged with the Chery Futwin Coupe.

2. Assembly steps

2.1. Assemble according to the inverted sequence of the disassembly

2.2. Assembly attentions:

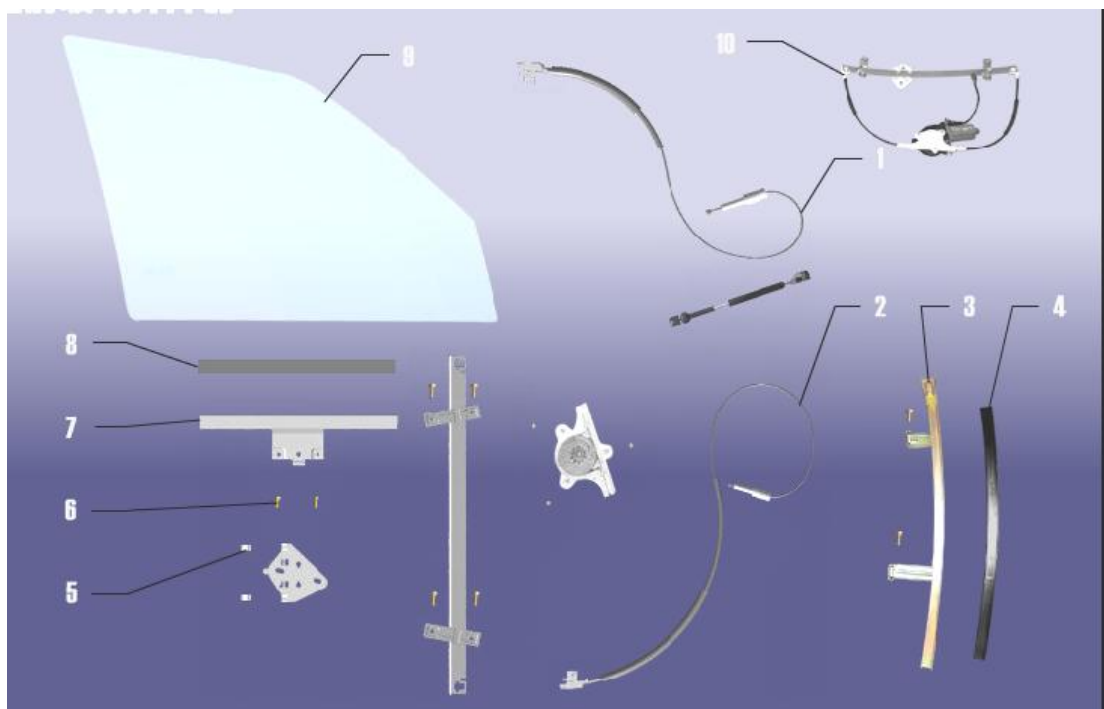
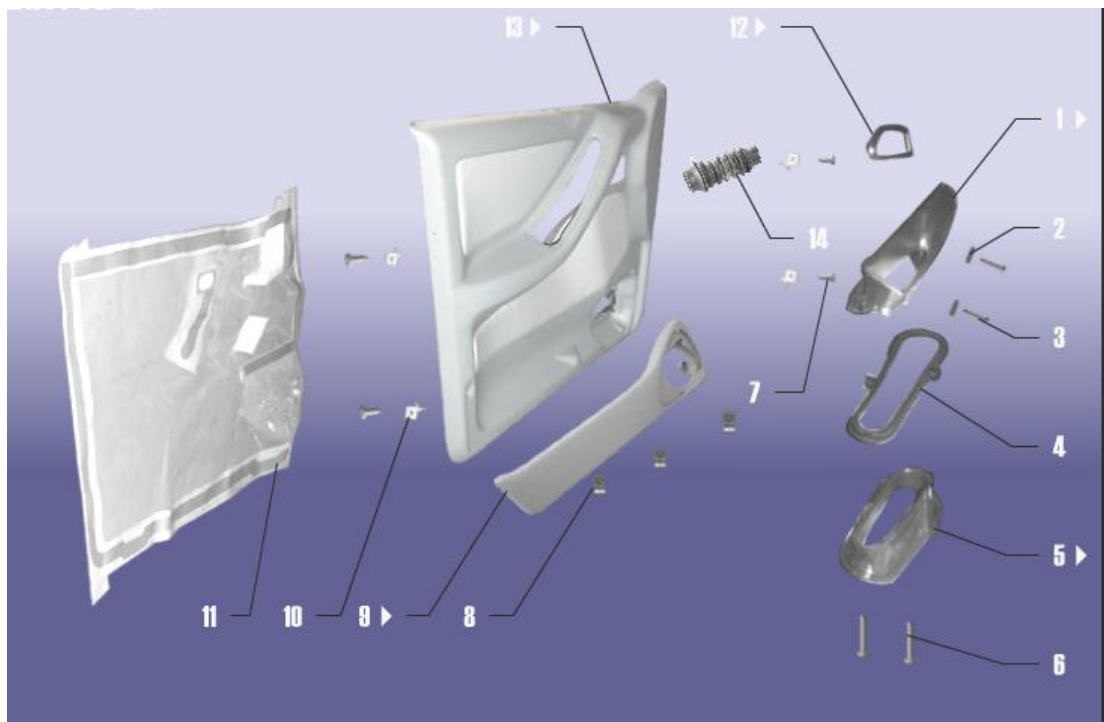
2.2.1. Tidy up the plug-in wiring harness of seats & rear oxygen sensor when paving the shock pad

2.2.2. The undersurface of the shock pad inosculates with the plate work

Chapter III Disassembly & Maintenance of the Car Door

I. Disassembly, assembly & maintenance of the front door

1. Lamp system constitution diagram



2. Preparation

Tools: Flat-end screwdriver, Phillips screwdriver, socket wrench 10#, 13#, pinchers

3. Attentions

- 3.1. Please put on necessary appliances for labor protection in order to avoid the accident
- 3.2. Please cut the electricity of the battery package for fear spoiling electric devices
- 3.3. Pay attention to the right steps of the disassembly of the glass for fear spoiling the glass

4. Disassembly steps

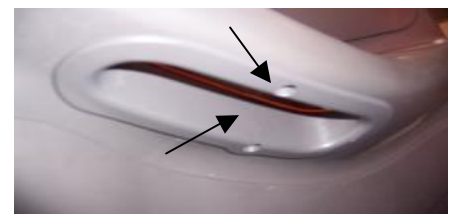
4.1. The handle of the inside door is fixed to the inside panel of the door through its self-locking mechanism & bolts firstly push the protective frame according to the shown direction of the black arrow tip and then take it out according to the shown direction of the white arrow tip



4.2. Pry up the upper end cover of the glass lifting rotary handle, unscrew fixing bolts of the rotary handle with the Phillips screwdriver and then take it out



4.3. Disassemble the downside bolts (each bolt at the left & right) of the inside handrail of the door. The down cover can be opened after the disassembly of the bolts

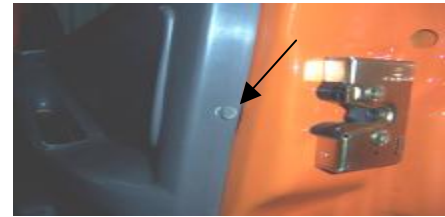


4.4. After opening the down end cover of the handrail, other 2 bolts fixing the upper end cover can be seen and the down ends cover can be taken out after the disassembly of bolts



4.5. After totally disassembling upper & down end cover of the inside handrail of the door, check along the inside shield two-side edge, may find 2 bolts at the central area, each bolt at left & right side. After taking out bolts, pull up the inside shield from down to up.

(Shown as the figure: take out the inside shield upwards)



4.6. After disassembling inside shield of the door, firstly take out the plug of the horn harness. After well putting the inside shield of the door, take out the horn outside cover. At last unscrew 4 fixing bolts of the front horn with the Phillips screwdriver and take out the horn assembly.



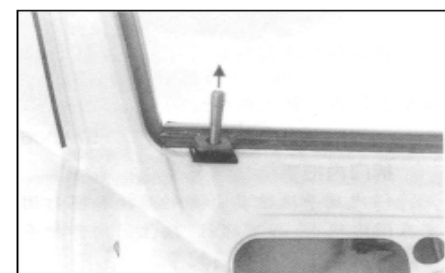
4.7. In order to disassemble any parts of the door, the water-proof need to be taken out and the door knob & fixing clips also need to be taken out.



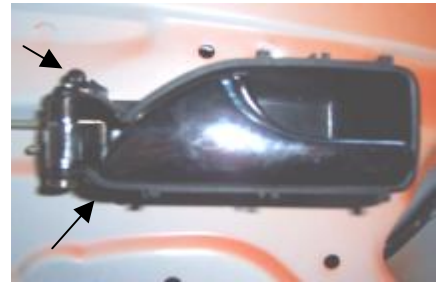
4.8. Shown as the arrow in the figure, the lock is fixed to the door frame through 2 fixing bolts. Screwed moment: $20 \pm 2 \text{ N.m}$



4.9. Disassemble the lock controlled device, take out fixing clips of the controlled device & lock device when disassembling the lock. The manual lock device located between the assembly position of the lock and the starter and the choosing level are the same in the car with the central lock



4.10. Shown as the arrow in the figure, unscrew 2 fixing bolts inside lock of the front door & the handle, then push it rightwards and then may take it out directly



4.11. Unscrew 2 inner triangle plate bolts fixing exterior rear view mirror with the Phillips screwdriver



4.12. After disassembling the inner triangle plate of the rear view mirror, may see 3 bolts which are located in the triangle form, fixing exterior rear view mirror. After disassembling these 3 bolts, the exterior rear view mirror assembly can be taken out by hands directly.



4.13. Drop the glass to the lowest position, and then unscrew 2 bolts fixing the glass with the Phillips screwdriver

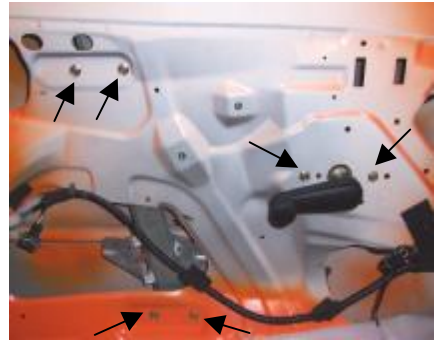


4.14. After unscrewing bolts take out the glass assembly.
When taking out the glass assembly, stick up the glass assembly for taking out easily.

Moment: $4.5 \pm 0.5 \text{ N.m}$



4.15. Unscrew 6 fixing bolts of the glass lifter with the socket wrench 10# and take out the glass lifter assembly



4.16. When disassembling the front door, take out the trim according to the inner liner, trim statement in order to disassemble the electric connecting wire



4.17. Disassemble the lining washer; loosen the fixing bolts clamping the washer & carbody bolt pins



4.18. Disassemble the wire joint, take out the fixing bolts between the door & front pillar hinge, and of the door limiter, and the other operator disassemble the door.



4.19. When putting the front door onto a plane, add a layer of the protective material between the door and the touching position of the plane.

5. Assembly & adjustment steps

5.1. Assemble according to the inverted sequence of the disassembly

5.2. Adjustment of the car door

5.2.1. When assembling the front door, remember to screw fixing bolts firmly and the moment is 56N.m.

5.2.2. If the door need to be adjusted lengthwise or breadth wise, need to loosen bolts of the hinge at the rated pressure with inner hinge adjusting tool and the direction is paralleled with the level and loosen them slowly or it will lead the material tired and do not move the tool lengthwise. and this kind of spoiling need to be corrected by re-welding the hinge. In order to avoid having the crack on the just painting coating for the car the coating sealing wax need to be used. After well adjusting the door screw bolts firmly. (Moment: 56N.m)



Attention: When the door is closed, seal the door through the sealing strip fixing onto the door way. If there is not the empty hole for the air entering or when closing the door the pressure applied is too big; the door may not be closed because of the abnormal pressure

5.3. When assembling the water-proof film, pay particular attention to the right way of the film sticking, and the roof, side, down part should be stuck with the film. and that will make the water flow out correctly, avoiding the water leaking into the car or spoiling the door panel



II. Disassembly, Assembly & Maintenance of the Side Door

1. Preparation

Tools: Flat-end screwdriver, Phillips screwdriver, socket driver

2. Attentions

- 3.1. Please put on necessary appliances for labor protection in order to avoid the accident
- 3.2. Pay attention to the right steps when disassembling & assembling in order to avoid spoiling parts.

3. Disassembly & assembly steps

- 3.1. The inner handle of the door can be fixed onto the inside shield of the door through its own structure & bolts and can be unscrewed by the Phillips screwdriver.
- 3.2. The inside panel of the side door, water-proof film & door lock can be disassembled according to the disassembly of the front door



- 3.3. Prize up the pedal of the side door with the Phillips screwdriver



- 3.4. Take out the sealing strip of the side door



3.5. Unscrew 2 bolts fixing down rail limiter of the side door with the socket wrench 10# and take out the limiter



3.6. Unscrew bolts fixing rear rail cover panel with the Phillips screwdriver



3.7. Prize up the right inside shield of the of the rear compartment with the slotted screwdriver



3.8. Unscrew the other bolt fixing rear rail cover panel with the socket wrench 8# and take out the rear rail cover panel



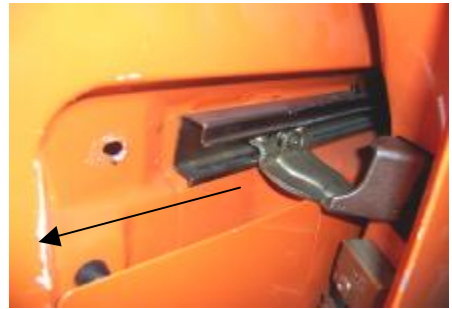
3.9. Push the roller of the upper rail of the side door up to the open size at the center, press down the side door by hands to separate the roller from the upper rail



3.10. Slowly push the side door to the car rear position till the end of the rail and carefully take it out.

Attention: After the roller is separated from the upper rail keep the side wall moved back flatly and the roller can not be applied by forces from other directions during the process of the pushing in order to avoid the parts distortion. Put the side door on a plane and fill a layer of protective material between the door and the touching position of the plane





4. Assembly steps

Assemble according to the inverted sequence of the disassembly

Chapter IV Disassembly, Assembly & Maintenance of the Front & Rear Bumper

I. Disassembly, assembly & maintenance of the front bumper

1. Preparation

Tools: Socket wrench 8# , socket wrench 10#, socket wrench 19#, connecting rod, ratchet wrench, Phillips screwdriver, ring wrench 8#, 13# , torque wrench, etc.

2. Attentions

- 2.1. Please put on necessary appliances for labor protection in order to avoid the accident
- 2.2. Avoid as much as possible scratching the lacquer surface of the bumper when disassembling & assembling
- 2.3. When disassembling in the low temperature environment, the bigger force can not be used for fear breaching the bumper.

3. Disassembly steps

3.1. Open the front compartment for the front engine by hands



3.2. Unscrew bolts of 2 front headlamps with the socket wrench 10# and then take them out. (See the disassembly way of the front headlamp).

Moment: (11 ± 1) Nm



3.3. Unscrew left & right each 2 bolts in the main beam of the front bumper with the ring wrench 13#. Shown as the figure:

Moment: $(14 \pm 2) \text{ N}\cdot\text{m}$



3.4. Disassemble 2 front wheels with the socket wrench (See the disassembly way of the tyre).

3.5. Lift the car to a suitable height, and unscrew fixing bolts of the left & right wheel fenders with the socket wrench 8#



3.6. Disassemble left & right shields below the bumper with the same way.

Assembly moment: $9 \pm 0.5 \text{ Nm}$



3.7. Separately unscrew fixing bolts & screws of the fender at the side of the bumper with the socket wrench 8# & screwdriver.



Assembly moment: $9 \pm 0.5 \text{ Nm}$

3.8. Go under the car to take out the plug of the plug-in unit on the left & right fog lamps.



3.9. Draw out the bumper and take out the bumper assembly



4. Assembly steps

4.1. Assemble according to the inverted sequence of the disassembly

II. Disassembly, assembly & maintenance of the rear bumper

1. Preparation

Tools: Phillips screwdriver, socket wrench 8# & 10#, connecting rod, ratchet wrench, etc.

2. Attentions

2.1. Please put on necessary appliances for labor protection in order to avoid the accident

2.2. Avoid as much as possible scratching the lacquer surface of the bumper when disassembling & assembling

2.3. When disassembling in the low temperature environment, the bigger force can not be used for fear breaching the bumper

3. Disassembly steps

3.1. Open the rear door, and unscrew 4 bolts of the rear bumper with the socket wrench 10#. Shown as the figure:
Moment: (11 ± 1) Nm



3.2. Separately unscrew fixing screws & bolts of the rear bumper & rear fender with the socket wrench 8# & Phillips screwdriver. Shown as the figure:
Moment: (9 ± 2) N·m



3.3. Draw out the bumper for about 8 cm from the fixing bracket of the car and take out the plug-in unit of the rear fog lamp. There are 2 in all. Shown as the figure



3.4. Take out the rear bumper assembly



3.5. Unscrew 4 bolts of the interior bumper with the socket combined wrench 10#. Shown as the figure:

Attention: Before finish disassembling it, apply the force to support the bumper in order to avoid falling to hurt people

Moment: $(11 \pm 1) \text{Nm}$



3.6. Take out the interior supporting beam assembly of the rear bumper.

Shown as the figure

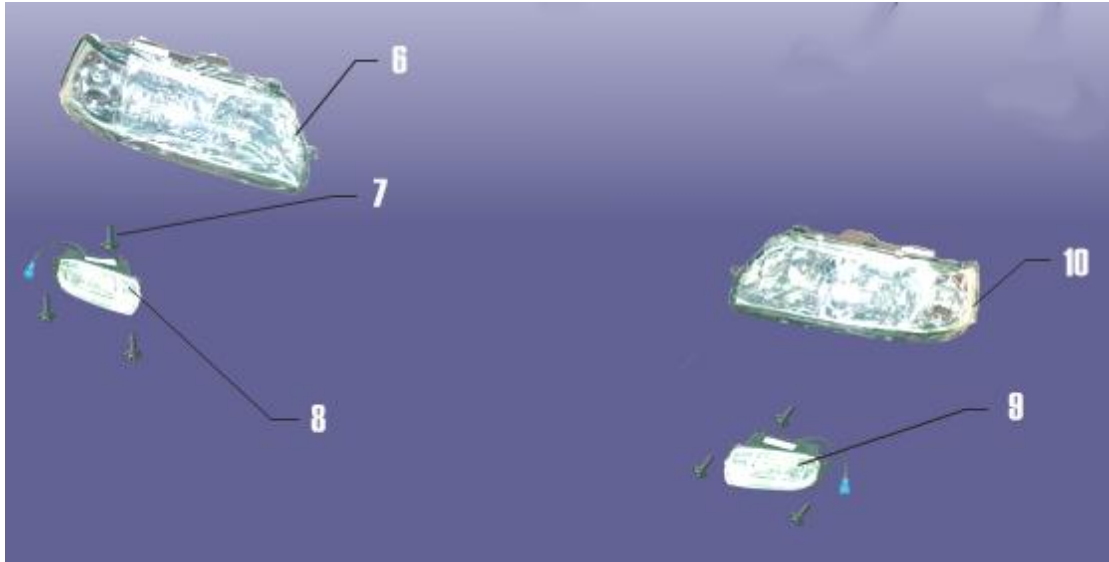


4. Assembly steps

Assemble according to the inverted sequence of the disassembly

Chapter V Disassembly, Assembly & Maintenance of the Front Headlamp, Fog Lamp & Tail Lamp

1. Lamp system constitutional diagram



2. Preparation

Socket wrench 10#, open-end wrench 7#, Phillips screwdriver, slotted screwdriver

3. Attentions

- 3.1. Please put on necessary appliances for labor protection in order to avoid the accident
- 3.2. Avoid as much as possible scratching the lacquer surface of the bumper when disassembling
- 3.3. When disassembling in the low temperature environment, the bigger force can not be used in order to avoid breaching the bumper, off the controlled switch of the corresponding lamps and disassemble wires connecting with the accumulator.
- 3.4. Pay particular attention to the clips on the bumper before disassembling the front headlamp and the clip can be spoiled if apply the bigger force.
- 3.5. When disassembling, assembling & putting it, always pay attention to not scratching the surface of the headlamp.

4. Disassembly steps of the front headlamp

- 4.1. Open the front compartment cover
- 4.2. Loosen 2 fixing bolts of the headlamp on the cross bar of the front compartment with the wrench 10#
Moment: $3.5 \pm 0.5 \text{ N} \cdot \text{m}$



4.3. Loosen fixing bolts of the right under corner of the headlamp with the wrench 10#

Moment: $3.5 \pm 0.5 \text{ N} \cdot \text{m}$



4.4. Take out the plug of the headlamp by hands



4.5. Take out the plug of the direction lamp by hands



4.6. Please take out 2 dust-proof covers of the rear holder of the headlamp by hands



4.7. Take out the plug of the lamp bulb by hands

Attention: 2-side lamps use the same way.



4.8. Take out the fixing clamps of the lamp bracket by hands

Attention: 2-side lamps use the same way



4.9. Take the lamp rear holder and take out the front fog lamp

Attention: Do not touch the bulb with hands when changing the lamp or the fingerprints on the bulb will volatile after the lamp is power-on & heated and deposit on the mirror surface and then darken the reflector



4.10. Please adjust the angle of the headlamp with the Phillips screwdriver.

Attention: 2-side lamps use the same way



Attention: Assemble according to the inverted sequence of the disassembly

5. Disassembly of the front fog lamp

5.1. Please lift the car with the lifter

5.2. Unscrew 3 fixing bolts of the fog lamp with the wrench 10#

Moment: $3.5 \pm 0.5 \text{ N}\cdot\text{m}$



5.3. Please take out the socket of the fog lamp by hands



5.4. Please take out the dust-proof cover of the fog lamp by hands



5.5. Please take out the lamp socket by hands

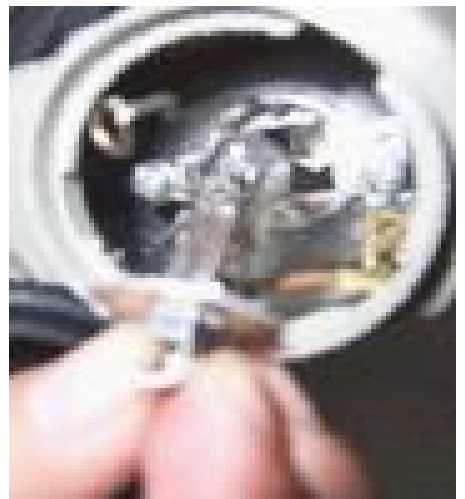
-



5.6. Please take out the fixing clamp of the lamp socket by hands



5.7. Take out the rear holder of the lamp bulb by hands
Attention: Do not touch the bulb with hands when changing the lamp or the fingerprints on the bulb will volatile after the lamp is power-on & heated and deposit on the mirror surface and then darken the reflector



5.8. Please adjust the fog lamp angle with the wrench 8#



5.9. Attention: Assemble according to the inverted sequence of the disassembly

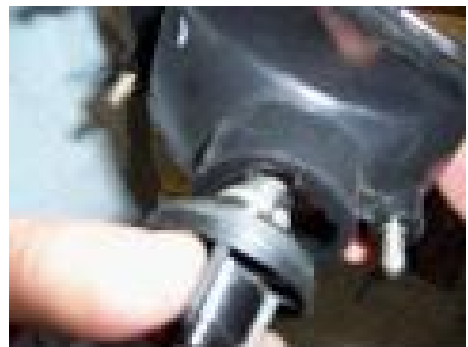
6. Disassembly of the rear fog lamp

6.1. Please lift the car with the lifter and take out the bumper

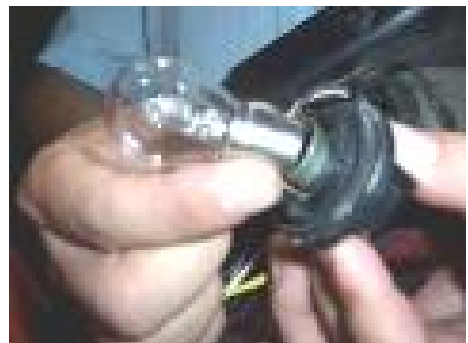
6.2. Unscrew 3 bolts of the rear fog lamp with the wrench 10#



6.3. Please take out the plug of the fog lamp by hands



6.4. Take out the fog lamp bulb



6.5. Attention: Assemble according to the inverted sequence of the disassembly. Do not touch the bulb with hands when changing the bulb or the fingerprints on the lamp will volatile after the lamp is power-on & heated and deposit on the mirror surface and then darken the reflector

7. Disassembly steps of the rear tail lamp

7.1. Disassemble 3 fixing bolts of the rear tail lamp with the wrench 8# or the Phillips screwdriver

Moment: $1.5 \pm 0.2 \text{ N}\cdot\text{m}$

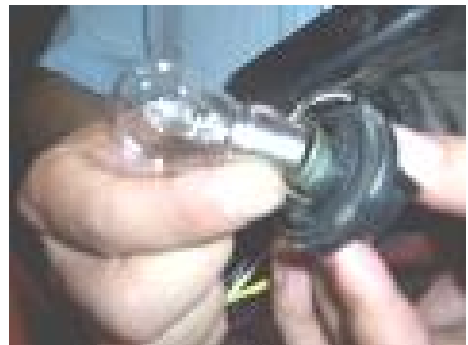


7.2. Please take out the rear holder plug by hands



7.3. Please take the lamp rear holder by hands and take out the bulb

Attention: Do not touch the bulb with hands when changing the bulb or the fingerprints on the lamp will volatile after the lamp is power-on & heated and deposit on the mirror surface and then darken the reflector



7.4. Attention: Assemble according to the inverted sequence of the disassembly

Chapter VI Disassembly& assembly of the Roof

1. Preparation

Tools: Socket wrench, Phillips screwdriver and slotted screwdriver

2. Attentions

2.1. In the process of the disassembly &assembly, pay attention to applying the suitable dynamics and forbid the careless operation.

2.2. In the process of the disassembly of the interior trim, pay special attention to protecting the trim surface not to be scratched.

3. Disassembly & assembly of the sunshade panel

3.1. Disassembly steps

3.1.1. Please loosen 2 fixing bolts of the left front sunshade panel with the Phillips screwdriver

Moment: $3\pm1\text{Nm}$

3.1.2. Take out the left front sunshade panel



3.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

3.3. Disassemble & assemble the right front sunshade panel according to the disassembly & assembly of the left front sunshade panel

4. Disassembly & assembly of the roof handrail

4.1. Disassembly steps

4.1.1. Prize up the 2-side end covers of the handrail with the slotted screwdriver



4.1.2. Unscrew left & right fixing bolts with the Phillips screwdriver

Moment: $9 \pm 3 \text{ N.m}$



4.1.3. Take out handrails

4.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

4.3. The disassembly & assembly of other handrails is according to the disassembly & assembly of the right front handrail

5. Disassembly & assembly of the front & rear ceiling lamp

5.1. Disassembly & assembly of the front ceiling lamp

5.1.1. Disassembly steps

5.1.1.1. Prize up the exterior frame of the front ceiling lamp with the slotted screwdriver

Note: Not scratch the surface of the trim parts



5.1.1.2. Take out the ceiling lamp, take out the plug-in unit of the wiring harness and disassemble the front ceiling lamp assembly



5.1.2. Assembly steps

Assemble according to the inverted sequence of the disassembly



5.2. Disassembly & assembly of the rear ceiling lamp

5.2.1. Disassembly steps

5.2.1.1. Prize up the exterior frame of the rear ceiling lamp with the slotted screwdriver

Note: Not scratch the surface of the trim parts



5.2.1.2. Take out the ceiling lamp, take out the plug-in unit of the wiring harness and disassemble the rear ceiling lamp assembly



5.2.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

6. Disassembly & assembly of A pillar shield

6.1. Disassembly steps

6.1.1. Unscrew bolts with the Phillips screwdriver

6.1.2. Then take out A pillar shield

6.2. Assembly steps

Assemble according to the inverted sequence of the disassembly



7. Disassembly & assembly of side shield of the roof

7.1. Disassembly steps

7.1.1. Unscrew 2 fixing bolts with the Phillips screwdriver and then take out the side shield of the roof



7.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

8. Disassembly & assembly of B pillar shield

8.1. Disassembly steps

8.1.1. Take out the upper shield of B pillar with the slotted screwdriver (See the disassembly & assembly of the safety belt).



8.1.2. Take out the down shield of B pillar with the slotted screwdriver

Attention: Protect trim surface not to be scratched



8.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

9. Disassembly & assembly of the bottom board front storage box

9.1. Disassembly steps

9.1.1. Unscrew two side fixing bolts of the front storage box with the Phillips screwdriver (There are 6 bolts in all and each 3 bolts at the left & right sides)



9.1.2. After unscrewing bolts, the front storage bottom board is disassembled by hands



9.2. Assembly steps

Assemble according to the inverted sequence of the disassembly).

10. Disassembly & assembly of the roof

10.1. Disassembly steps

10.1.1. Disassemble the left & right front sunshade plates (See the disassembly & assembly of the sunshade plate)

10.1.2. Disassemble the front ceiling lamp and then disassemble the rear ceiling lamp (See the disassembly& assemble of the front & rear ceiling lamp.)

10.1.3. Disassemble all the roof handrails inside of the car. (See the disassembly & assembly of the car roof handrail)

10.1.4 Disassemble the bottom board of the front storage box (See the disassembly & assembly of the front storage boards)

10.1.4. Disassemble shields of the A/B pillar shield & roof side shield (See the disassembly & assembly of the A/B pillar & roof side shield)

10.1.5. Disassemble all buckles (16) of the roof with the slotted screwdriver



10.1.6. Open the rear door, disassemble the roof, and it is very convenient to take out the roof and not easy to spoil the roof

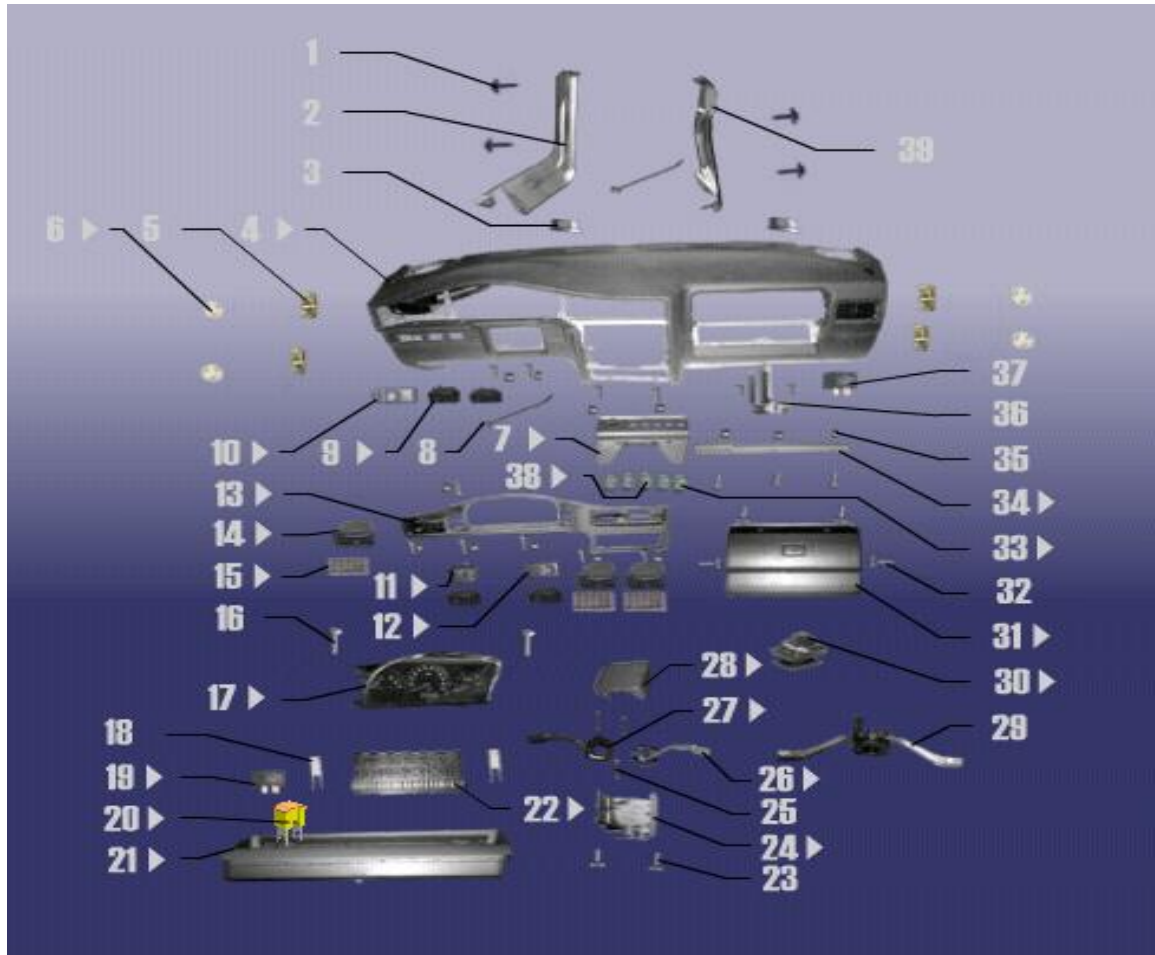


10.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

Chapter VII Disassembly & Assembly of the Instrument Panel

Section I Instrument panel system constitutional diagram



- | | | |
|--|--|--|
| 1 Bolt | 14 Left air outtake of the instrument frame | 27 Turning switch |
| 2 Left support of the instrument panel | 15 Wind frame assembly | 28 Upper shield of combined switches |
| 3 Bolt (with pad) | 16 Self-tapping bolt of the combined instruments | 29 Combined switches |
| 4 Instrument panel assembly | 17 Electronic combined instruments | 30 Glove box lock assembly |
| 5 Clip bolt | 18 Fixing clamp of the central electric box | 31 Glove box assembly |
| 6 Bolt cover | 19 Relay | 32 Bolt |
| 7 Central panel of the instrument panel(H) | 20 Fuse | 33 Glass lifting switch |
| 8 Assembly wrapping strip | 21 Left side jockey box assembly | 34 Accessory panel of the instrument panel |
| 9 Switch closure | 22 Central electric box assembly | 35 Clip |
| 10 Headlamp switch | 23 Self-tapping bolt | 36 Controlled module support |
| 11 Fog lamp switch | 24 Down shield of the combined switches | 37 Glass lifting controlled module |
| 12 Heating switch of the rear windshield | 25 Fixing bolts of combined switches | 38 Glass lifting main switch |
| 13 Instrument frame assembly | 26 Wiper switch | 39 Right support of the instrument panel |

Section II Disassembly & assembly of the instrument panel

I. Disassembly & assembly of the instrument panel accessories

1. Preparation

Tools: Socket wrench, open-end wrench, Phillips screwdriver, slotted screwdriver

2. Attention

2.1 Please put on necessary appliances for labor protection in order to avoid the accident

2.2 Cut the negative electrode of the accumulator before the disassembly of the electric apparatus

3. Disassembly & assembly of the radio & tape player

3.1. Disassembly steps

3.1.1. Disassemble the radio & tape player with the special tool and put in the right way



3.1.2. Apply the force in parallel by hands to draw out the radio & tape player



3.1.3. Take out the plug-in unit at the back of the radio & tape player and take out the radio & tape player



3.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

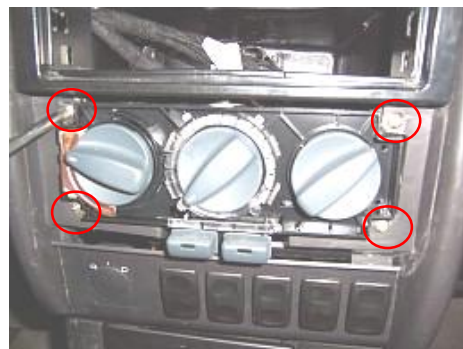
4. Disassembly & assembly of the air conditioner controlled panel

4.1. Disassembly steps

4.1.1. Prize up the shield cover of the air conditioner controlled panel with the slotted screwdriver



4.1.2. Unscrew fixing bolts of the air conditioner controlled panel with the Phillips screwdriver, take out the rear plug and take out the air conditioner controlled panel.



4.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

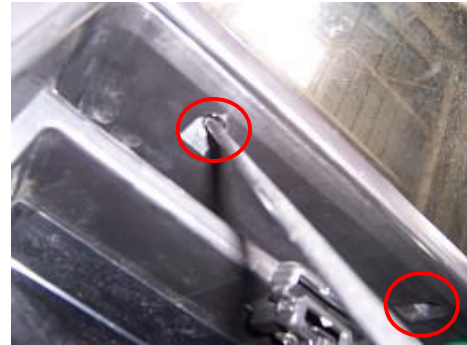
5. Disassembly & assembly of the glove box

5.1. Disassembly steps

5.1.1. Open the cover of the glove box, and unscrew 2 bolts at left & right side connecting with the instrument panel with the Phillips screwdriver



5.1.2. Unscrew 2 fixing bolts on the glove box with the Phillips screwdriver



5.1.3. Take out the glove box assembly



5.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

6. Disassembly & assembly of the combined instruments

6.1. Disassembly steps

6.1.1. Carefully prize up the air outlets at the two sides of the combined instruments with the screwdriver



6.1.2. Unscrew under fixing bolts below the air outlet seat with the Phillips screwdriver



6.1.3. Unscrew above fixing bolts of the air outlet seat with the Phillips screwdriver



6.1.4. Unscrew fixing bolts connecting the combined instrument board and instrument panel main parts with the Phillips screwdriver



6.1.5. Unscrew fixing bolts of the right air outlet of the combined instruments with the Phillips screwdriver



6.1.6. Take out the buttons of the front & rear fog lamps



6.1.7. Carefully prize up the switch of the fog lamp with the slotted screwdriver



6.1.8. Unscrew fixing bolts with the Phillips screwdriver



6.1.9. Unscrew fixing bolts at the right side with the Phillips screwdriver



6.1.10. Unscrew fixing bolts of the combined instruments with the Phillips screwdriver



6.1.11. Disassemble the plug at the back of the combined instruments and take out the combined instruments assembly



6.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

7. Disassembly & assembly of the steering wheel

Please see the disassembly part of the steering column in the chassis service manual

8. Disassembly & assembly of combined switches, wiper switch and ignition switch

Please see the disassembly part of the steering column in the chassis service manual

II. Disassembly & assembly of the main parts of the instrument panel

1. Preparation

Tools: Socket wrench, open-end wrench, Phillips screwdriver, slotted screwdriver

2. Attention

2.1 Please put on necessary appliances for labor protection in order to avoid the accident

2.2 Cut the negative electrode of the accumulator before the disassembly of the electric apparatus

3. Disassembly & assembly of the main parts of the instrument panel

3.1. Disassembly steps

3.1.1. Disassemble the buttons of the headlamp switch



3.1.2. Take out the plug of the headlamp switch



3.1.3. Unscrew fixing bolts of the left holder of the instrument panel with the Phillips screwdriver



3.1.4. Unscrew fixing bolts of the right holder of the instrument panel with the Phillips screwdriver



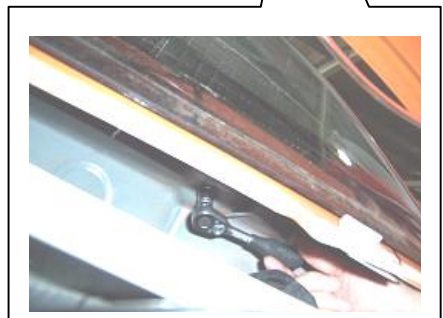
3.1.5. Unscrew fixing bolts at the left down side of the main parts of the instrument panel with the Phillips screwdriver



3.1.6. Unscrew each 2 fixing bolts at the left & right side of the main parts of the instrument panel with the socket wrench 10#



3.1.7. Disassemble the windshield wiper motor & connecting rod mechanism (See the disassembly & assembly of the windshield wiper mechanism), take out 2 fixing bolts of the instrument panel from the water trough



3.1.8. Take out the main parts assembly of the instrument panel



3.2. Assembly steps

3.2.1. Assemble according to the inverted sequence of the disassembly

3.2.2. Attentions:

3.2.2.1. The double outlets of the instrument panel should inosculate with the outlet interface of the air conditioner, and the unsuitable assembly & air leakage phenomena is not allowed, as well as the interaction of the instrument panel's air duct & evaporator, and those may affect the assembly of the instrument panel and result the improper assembly of instrument panel and its accessories is not allowed.

3.2.2.2. The instrument panel should not interact with the front windshield glass, which affects its assembly when assembling the instrument panel and the gap between the instrument panel & front windshield is even

3.2.2.3. The gap between the instrument panel & carbody is even & accordant and can satisfy the assembly of the doorway sealing strip.

3.2.2.4. The glove box should be opened & closed smoothly without interaction, seizure or with locking loosely

3.2.2.5. The assembly of the middle passage cover panel should be firm, whose gap with console main parts, and two sides of the handrail box should be less than 0.5mm and be even.

3.2.2.6. The fastening moment for the tyre of the instrument panel and fixing bolts between upper & down main parts is $5\pm0.5\text{N}$.

Chapter VIII Air Conditioner System

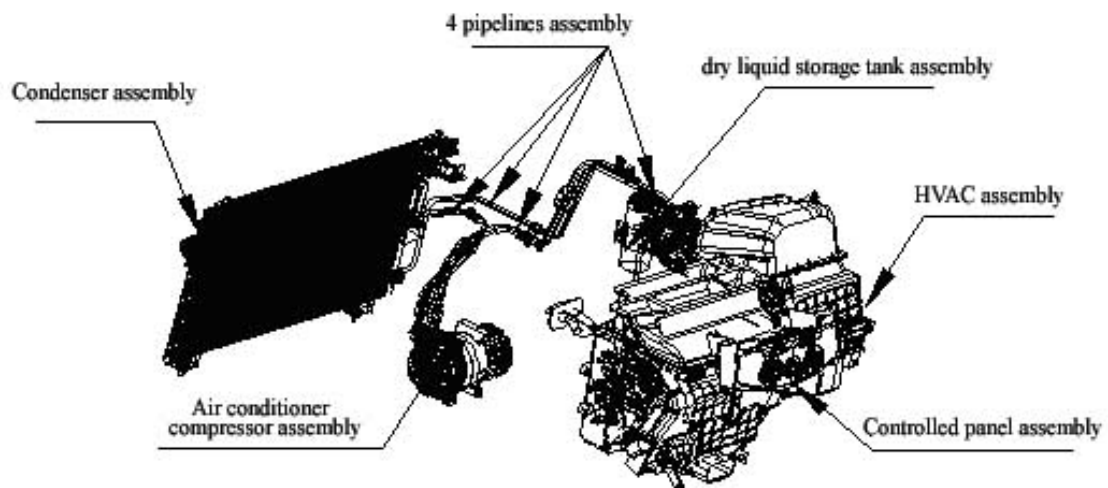
I. System combination

Air adjustment & distribution system: HVAC air mix & dispatcher parts, interior & exterior cycling air inlet & outlet, air cleaner.

Control system: Control panel assembly, wire-drawing, micro-motor, blower, speed controlled module, high pressure & low pressure switch, each temperature sensor of the air conditioner

Heating system: Heater, hot water piper, and engine cooling water system

Refrigeration system: Compressor, condenser, dry liquid storage tank, expansion valve, evaporator and pipelines



II. Disassembly & assembly of the evaporator assembly

1. Preparation

Tools: Slotted & Phillips screwdriver, slip joint pliers, socket wrench 10# & 12#, ratchet wrench, ring wrench 10#, inner hexagon spanner 5#

Accessories: Refrigerant, antifreezing liquid and sponge rubber strip

2. Disassembly steps

2.1. Recover the refrigerant with the refrigerant recoverer

Attention:

- (1) Do not deal with the refrigerant at the close place or near the open fire.
- (2) Do not make the refrigerant splash on the eye and skin.

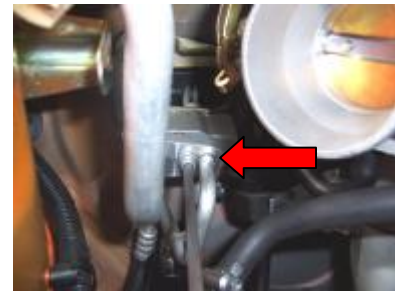
2.2. Disassemble the instrument panel assemble, cross bar and upper & down parts bolts & bolt covers of the evaporator. Then take out plug-in units of related electrical apparatus and plug-in units



2.3. Unscrew fixing bolts of the high pressure & low pressure pipes with the inner hexagonal spanner

Shown as the figure:

Moment: $8 \pm 1 \text{ Nm}$



2.4. Unscrew 2 fixing bolts from the high pressure & low pressure pipes to the expansion valve, pull out the high pressure & low pressure pipes and then take out the on the expansion valve.

Attention: Wrap the pipe mouth of the disassembled high pressure & low pressure pipes and interface of the expansion valve with the clean plastic bag in order to avoid entering of the foreign objects.



2.5. Loosen 3 fixing bolts of the evaporating tank & front wall

Moment: $10 \pm 1 \text{ Nm}$



2.6. Disassemble the water pipe clasps of the evaporating water tank with pinchers and take out the water pipe and vacuum pipe above it. Shown as the figure

Attention: Coolant may flow out of the water pipe and pay attention to the recovery of the coolant

Moment: 11 ± 1 Nm



2.7. Take out the wiring harness assembly of the evaporating tank and air conditioner from the cab



3. Assembly of the evaporator assembly

Assemble according to the inverted sequence of the disassembly

4. Disassembly & assembly of the interior evaporating tank

Preparation tools: Slotted & Phillips screwdriver, socket wrench 8#, ratchet wrench

4.1. Disassembly steps

4.1.1. Take out the evaporating tank assembly according to the disassembly of the evaporating tank assembly



4.1.2. Take out the wiring harness & plug of the evaporating tank



4.1.3. Unscrew 2 bolts on the dispatcher with the Phillips screwdriver and take out the heater core (Shown as the figure)
Moment: $1.5 \pm 0.5 \text{ Nm}$



4.1.4. Prize up all the buckles of the central evaporating tank with the slotted screwdriver, and then take out all bolts with the Phillips screwdriver to separate the evaporating tank into 2 parts



4.1.5. Take out the evaporator, and then unscrew bolts of the sensor with the Phillips screwdriver and the sensor can be taken out



4.1.6. Prize up all connecting buckles of the shell body on the evaporating tank with the slotted screwdriver, then take out all bolts on it and take out the air outlet device of the blower.

Shown as the figure:

Moment: 3 ± 0.5 Nm



4.1.7. Unscrew 2 bolts of the vacuum electromagnetic valve with the slotted screwdriver and take them out



4.1.8. Unscrew 4 bolts on the blower with the Phillips screwdriver, and then take them out



4.1.9. Unscrew fixing bolts of the fan blades with the socket wrench 10# and take them out

Moment: 5 ± 0.5 Nm



4.1.10. Unscrew fixing bolts of the fan motor with the Phillips screwdriver and then take them out



4.1.11. Separate the upper & down parts of the shell body



4.1.12. Just take out the evaporator & expansion valve from the down shell body



4.2. Assembly steps

4.2.1. Assemble according to the inverted sequence of the disassembly

4.2.2. System evacuation, pressure keeping & antifreezing fluid filling need to be checked whether or not missing after assembling. Check the heat exchanger fin whether blocking or not. And if the heat exchanger is blocked use the compressed air to clear.

III. Standard sides pressure value of high pressure & low pressure of the air conditioner system

Side pressure value of the high pressure: 19--20bar

Side pressure value of the low pressure: 2.5--3bar

IV. Frequent Troubleshooting

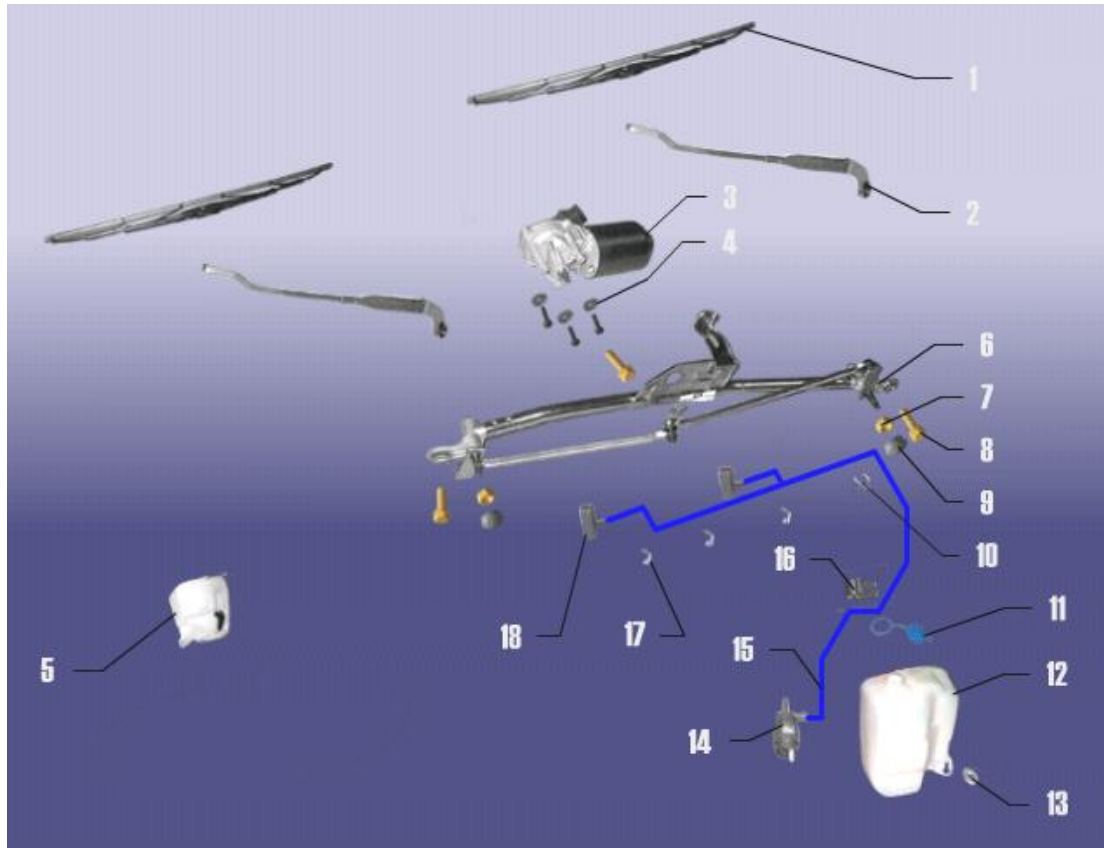
Pressure deviation type	Possible reason	Troubleshooting
1. High side pressure is stable or just is a little increased (Compared with the time when the engine stops working), Low side pressure is within the standard scope or lower the standard scope, the air conditioner refrigeration effect is not enough. 2. Side pressure of high pressure is normal, and side pressure of low pressure is within the range as illustration, but refrigeration capacity of AC is not sufficient.	Refrigerant is not enough loaded or expansion valve failure	Draw out the refrigerant ●If the refrigerant is normally loaded 1. Change expansion valve 2. Refill the refrigerant in the system 3. Test the pressure again ●If the refrigerant is not enough loaded 1. Check whether leak or not and if there is, just repair it 2. Refill the refrigerant in the system 3. Test the pressure again
High side pressure is higher than the specified value, low side pressure drops quickly to the standard scope or lower than the standard scope, and the air conditioner refrigeration effect is not enough.	There are blocking or throttling sites for the refrigerant pipeline Expansion valve failure	Touch pipeline to feel the temperature change with hands ●If each part of some parts have temperature difference 1. Clear the blocked pipeline with compressed air & nitrogen gas and then change the expansion valve 2. Change the blocked parts ●If there is not failure 1. Clear the blocked pipeline with compressed air & nitrogen gas 2. Retest the pressure
Firstly it is high and the low side pressure is normal but after a while the high side pressure is higher than the specified value, low side pressure is within the standard scope or is lower than standard scope so air	Expansion valve failure There are vapor in the refrigerant pipeline	Check the expansion valve whether or not dirty or rusty and change if it is necessary ●Clear the blocked pipeline with compressed air & nitrogen gas

conditioner refrigeration effect is not enough.		
High side pressure is higher than the specified value or too high, low side pressure is too high and air conditioner refrigeration effect is not enough with abnormal sound of the compressor (Especially at the beginning of starting the engine)	The refrigerant in the refrigerant pipeline is over loaded. Expansion valve failure or compressor spoiled	Draw out the refrigerant ●If the refrigerant is normally loaded 1. Change expansion valve 2. Refill the refrigerant in the system 3. Test the pressure again ●If the refrigerant is obviously over loaded 1. 1. Refill the refrigerant in the system 2. Test the pressure again Note: After retest the pressure, if the system is not still normally working, assemble the expansion valve which has been changed again, clear the blocked pipeline with compressed air & nitrogen gas and then change the compressor & storage liquid drying tank
When switch off the engine, the high side pressure increase a little, low side pressure reduce a little and the air conditioner refrigeration effect is not enough.	Compressor spoiled	Clear the blocked pipeline with compressed air & nitrogen gas and then change the compressor & storage liquid condensation tank
The high side pressure is normal, the low side pressure is too low, the air conditioner refrigeration effect is normal and sometimes the evaporator is frozen (Although the refrigerant quantity is normal)	Expansion valve failure or compressor spoiled	Change the expansion valve Refill the refrigerant in the system Note: After retest the pressure, if the system is not still normally working, assemble the expansion valve which has been changed again, Clear the blocked pipeline with compressed air & nitrogen gas and then change the compressor & storage liquid drying tank
1. High & low side pressure is normal and the air conditioner refrigeration effect is not enough 2. High & low side pressure is normal, but the compressor has the abnormal sound (Especially at the beginning of starting engine)and the air conditioner refrigeration effect is normal	Lube oil in the air conditioner pipeline is overloaded	Draw out the refrigerant ●Clear the blocked pipeline with compressed air & nitrogen gas Note: When change the air conditioner system parts such as the compressor and so on, the lube oil quantity should be adjusted

Storage liquid tank can not be used	• Perforation • Sealing site spoiled • The fastener thread has been spoiled, and the outside air has entered into the system in the postponed time	Change
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Chapter IX Disassembly & Assembly of the Wiper System

I. Wiper system constitutional diagram



1	Wiping blade	7	Bolt	13	Washer
2	Wiping arm	8	Fixing bolt of the wiper	14	Washing pump
3	Wiper motor	9	Fixing protective cover of the wiping arm	15	Washing liquid hose
4	Fixing washer of the wiper	10	Wiring harness clip	16	Hose clip(Black)
5	window cleaner assembly	11	Washing liquid tank cover	17	Hose clip(White)
6	Connecting rod of the wiper	12	Washing liquid tank	18	T-shape joint nozzle

II. Disassembly & assembly of the wiper mechanism

1. Preparation

Tools: Socket wrench, slotted & Phillips screwdriver, open-end wrench

Auxiliary material: washing liquid for the window

2. Attention

Please put on necessary appliances for labor protection in order to avoid the accident

3. Disassembly steps

3.1 Take out the water guide way under the windshield



3.2 Carefully prize up the bolt cover of the wiper arm with the slotted screwdriver



3.3 Unscrew fixing bolts of the wiper arm with the socket wrench and take out the wiper arm



3.4 Unscrew left & right fixing bolts of the trim below the front wiper with the Phillips screwdriver



3.5 Take out the down trim below the front windshield



3.6 Unscrew fixing bolts of the wiper connecting rod with the socket wrench



3.7 Unscrew fixing bolts of the wiper motor with the socket wrench



3.8 Take out the connecting rod assembly of the wiper



3.9 Take out the plug of the wiper motor and take out the wiper motor



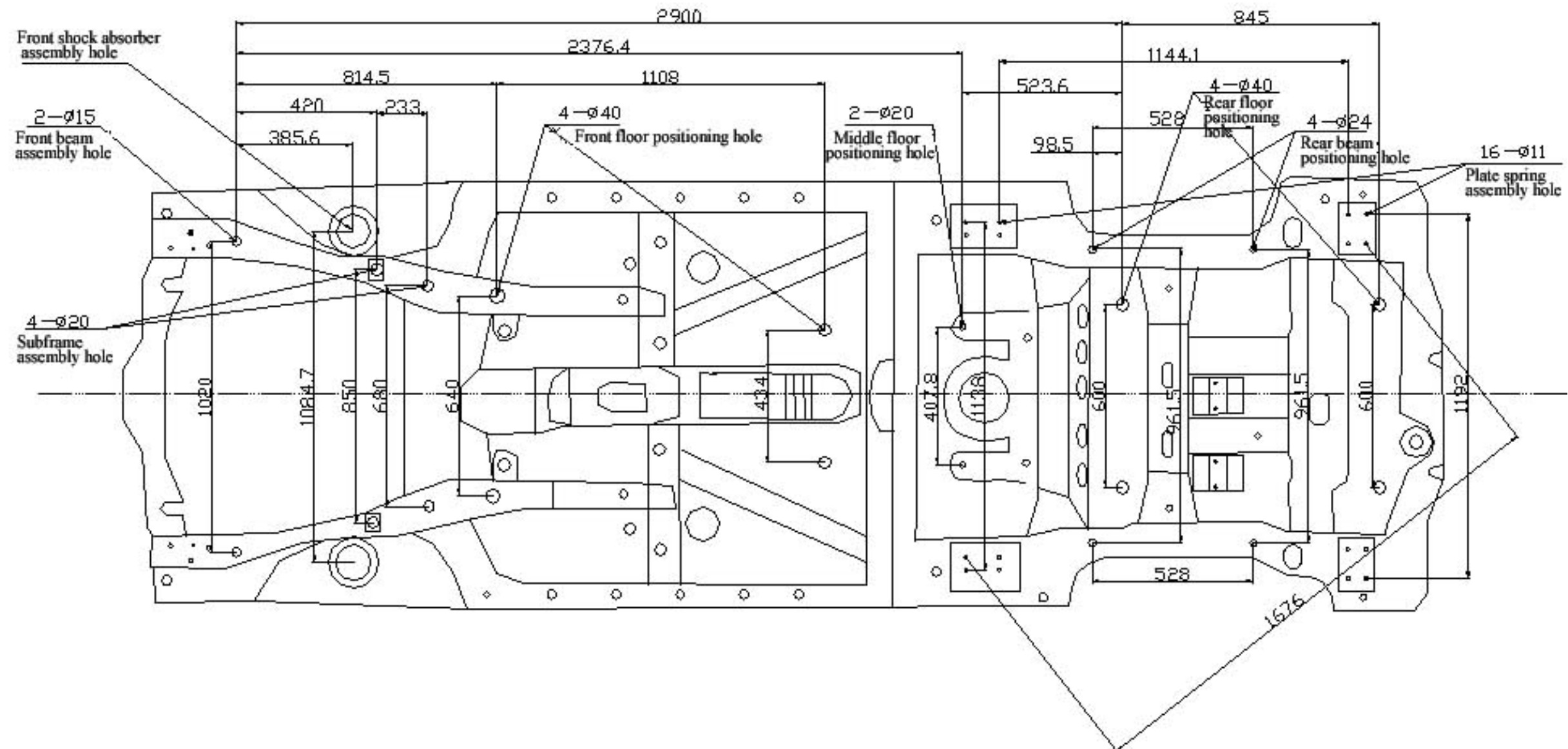
4. Assembly steps

Assemble according to the inverted sequence of the disassembly

Chapter X Carbody Dimension

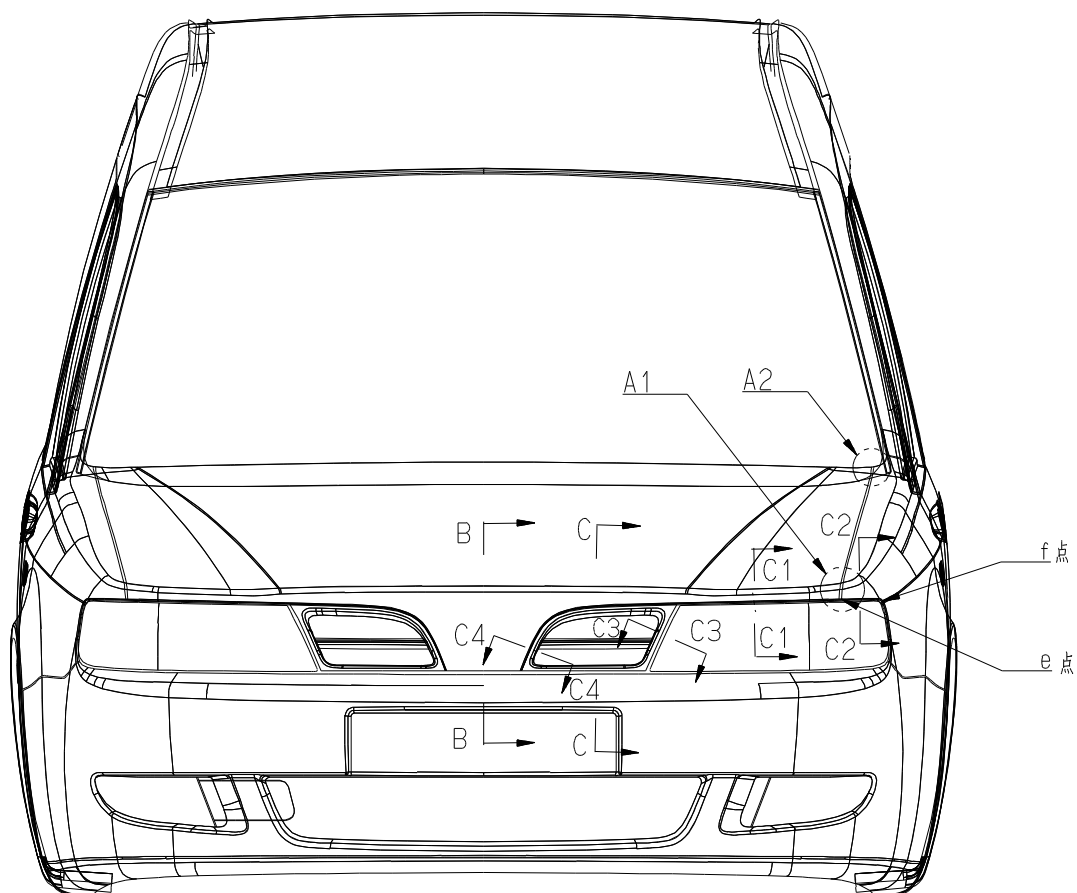
I. Main beam dimension

Unit: mm



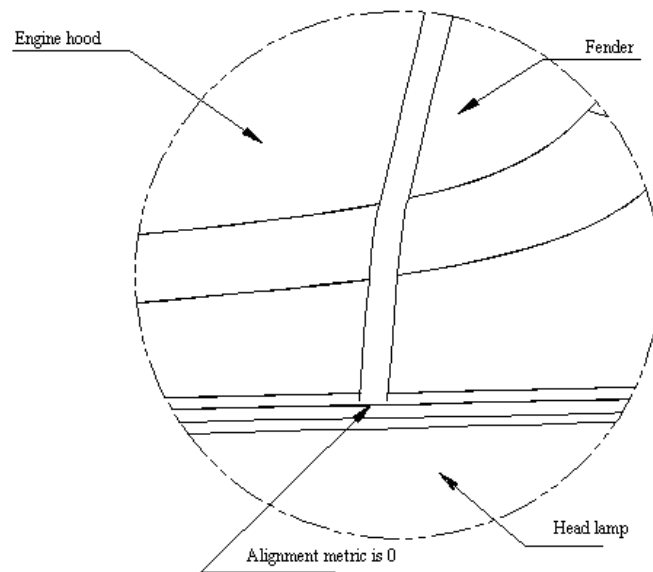
II. Carbody assembly dimension

1. Right front view



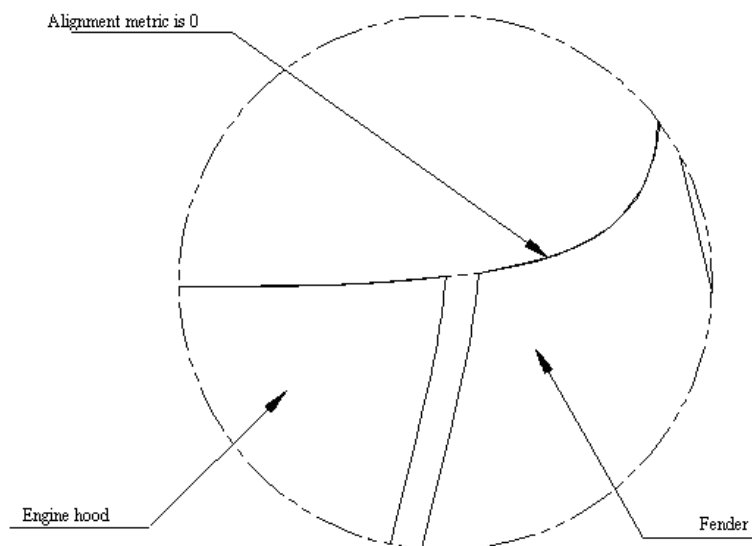
1.1 Alignment metric of A1 engine hood, fender & headlamp

$\frac{A1}{1:1}$

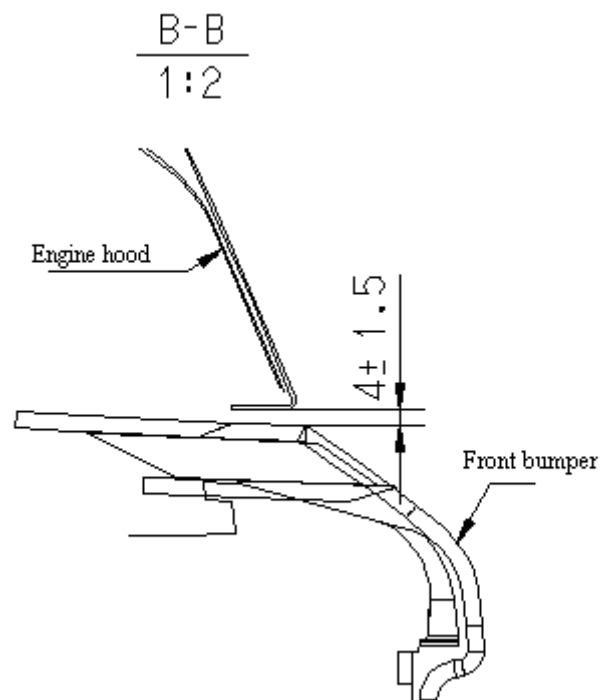


1.2 Alignment metric of A2 engine hood, fender & front windshield

$\frac{A2}{1:1}$

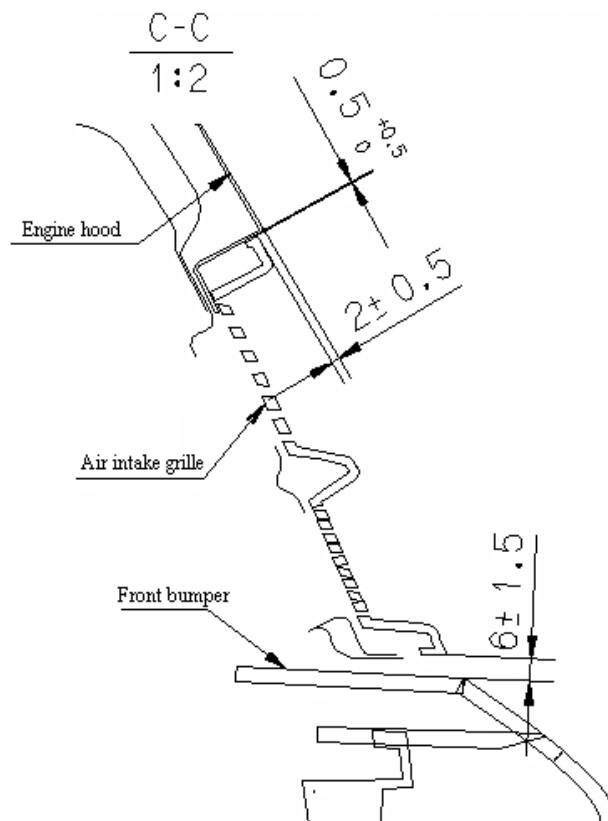


- a) Gap between B-B engine hood and front bumper : $4 \pm 1.5\text{mm}$

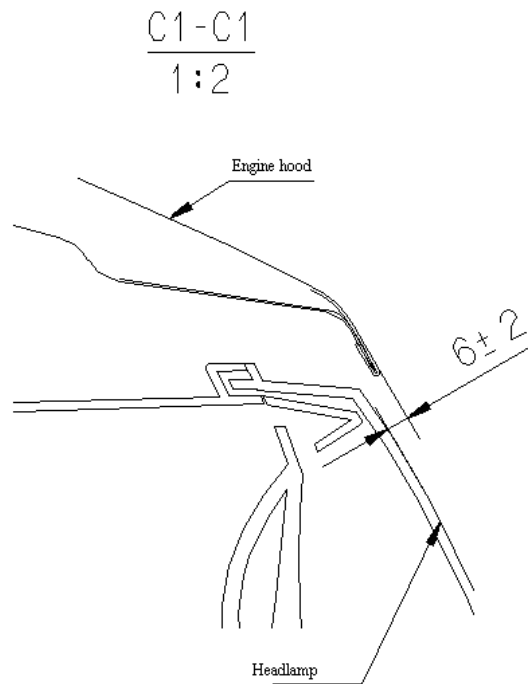


1.4 Gap between C-C engine hood and air intake grille : $0.75 \pm 0.25\text{mm}$, $2 \pm 0.5\text{mm}$

Gap between the air intake grille and front bumper : $6 \pm 1.5\text{mm}$

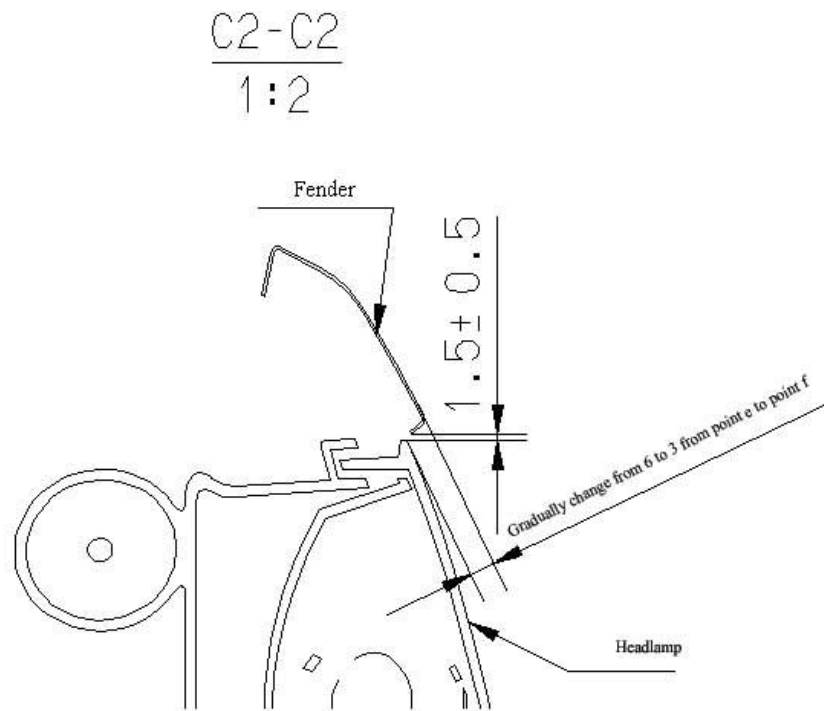


1.5 Gap between C1-C1 engine hood and air intake grille : $6\pm 2\text{mm}$

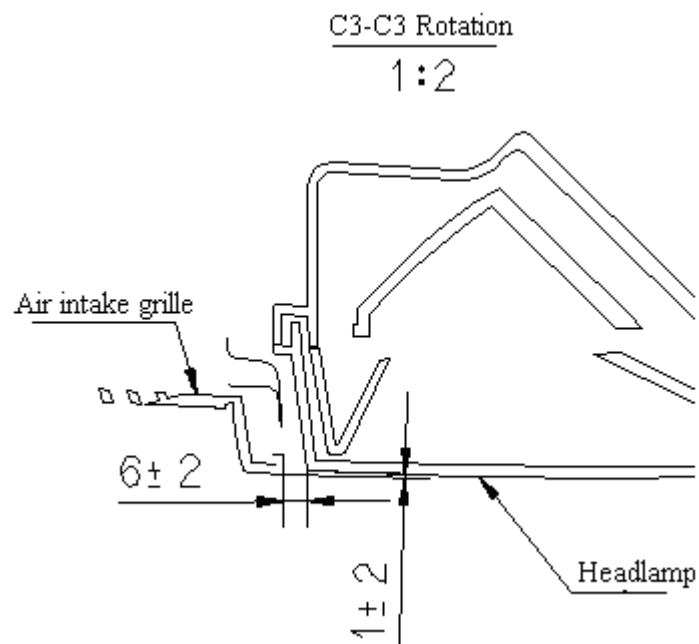


1.6 Gap between C2-C2 headlamp and fender : $1.5\pm 0.5\text{mm}$

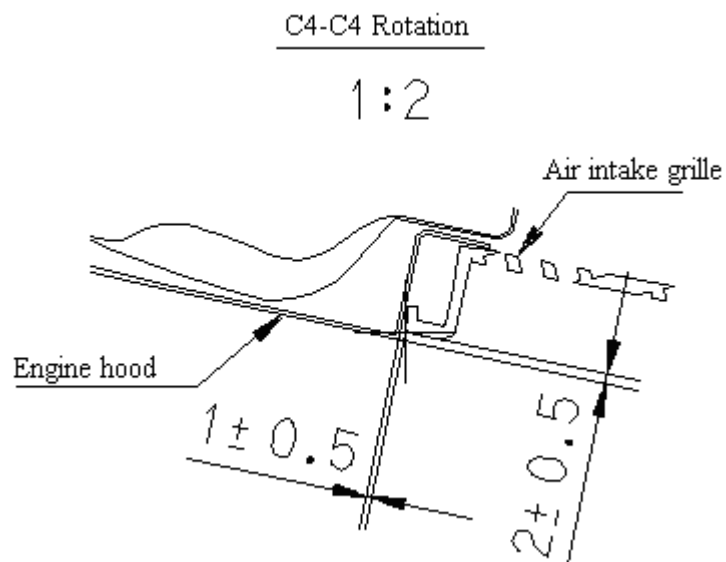
Gradually change from 6 to 3 from point e to point f



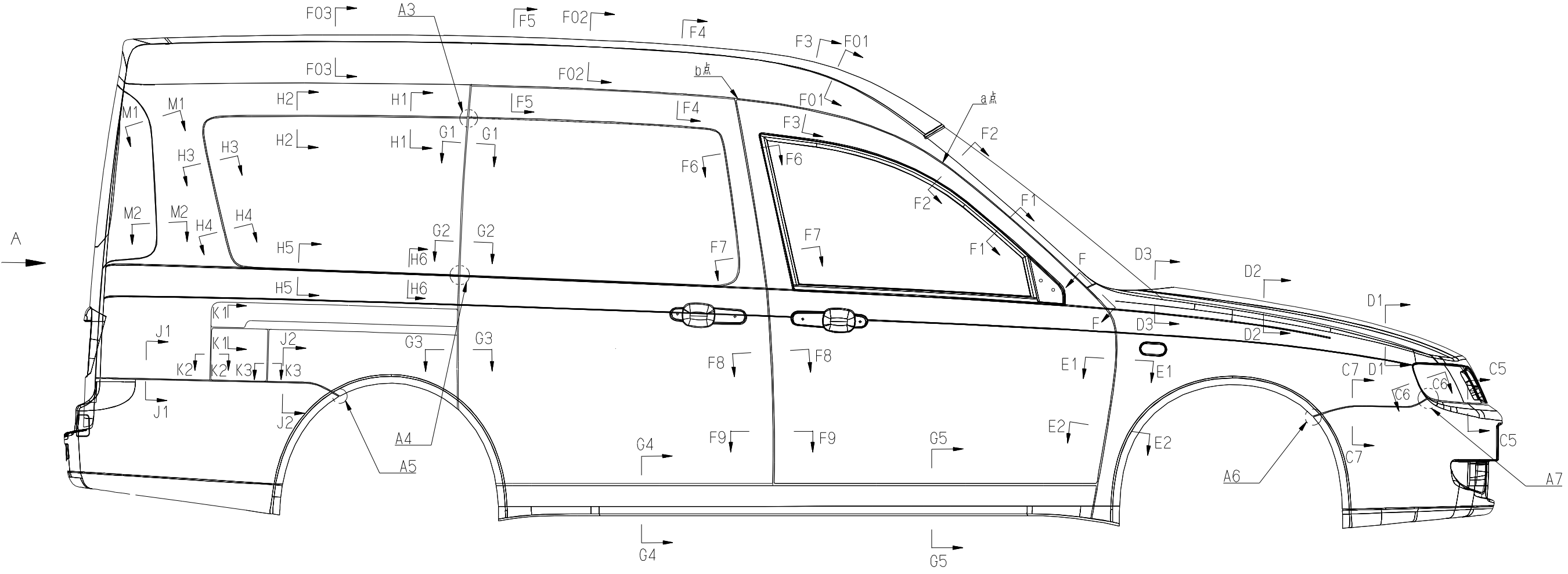
1.7 Gap between C3-C3 headlamp and air intake grille: $6\pm 2\text{mm}$. $1\pm 2\text{mm}$



1.8 Gap between C4-C4 engine hood and air intake grille : $1\pm 0.5\text{mm}$. $2\pm 0.5\text{mm}$

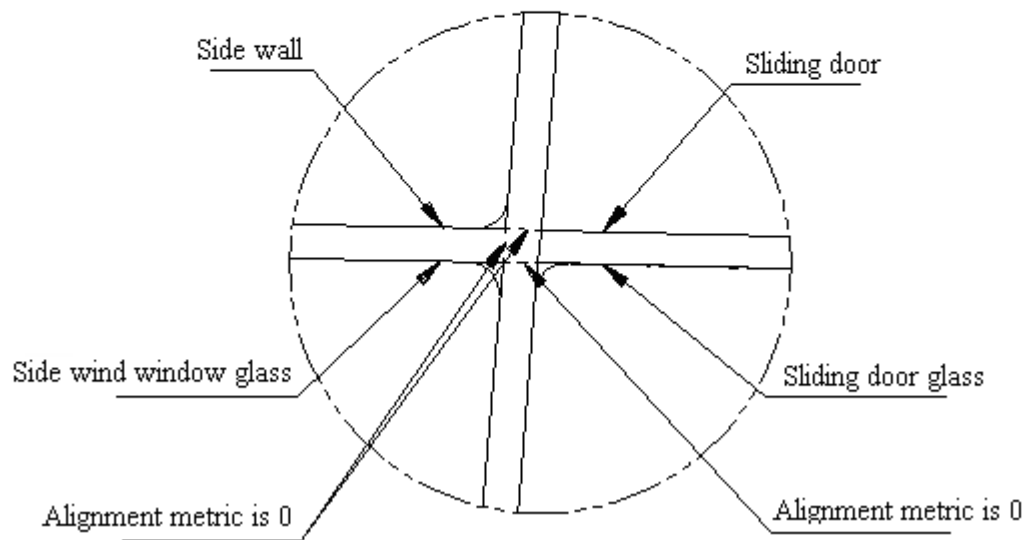


2. Right side view



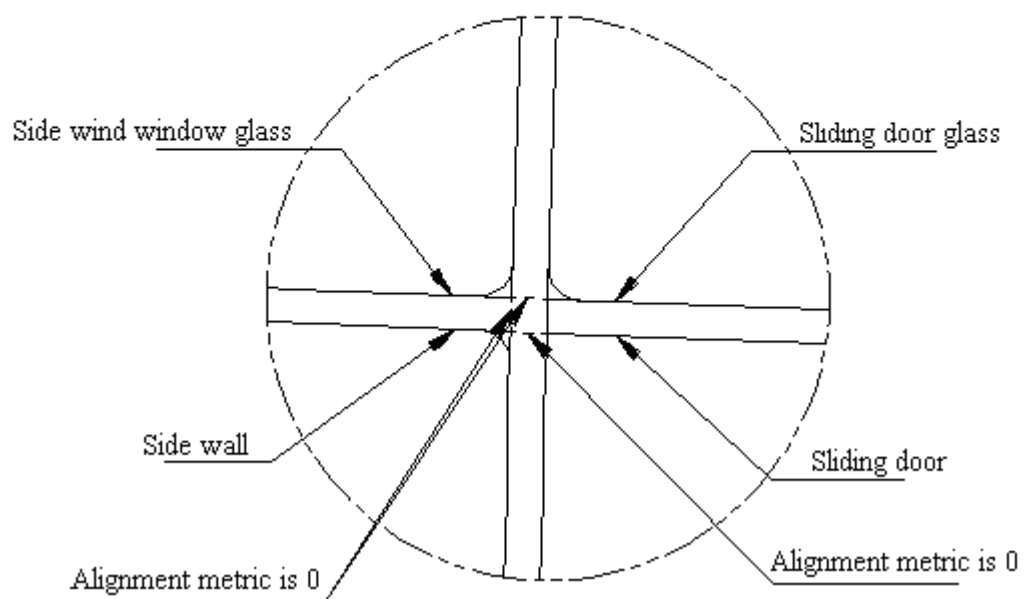
2.1 A3 partial view alignment metric

$$\frac{A3}{1:1}$$

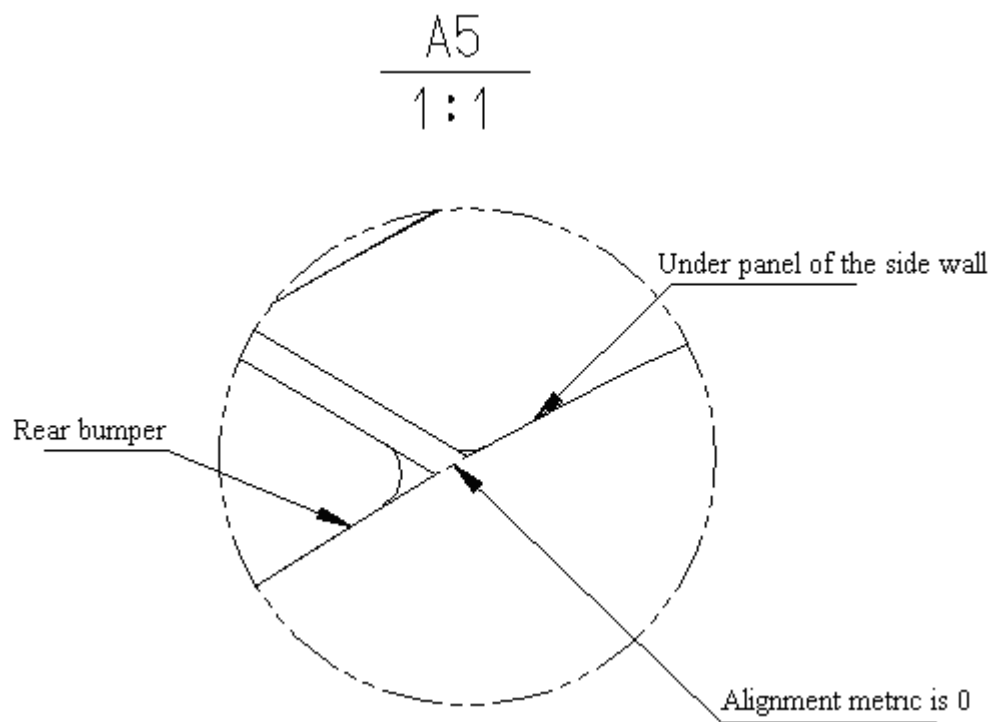


2.2 A4 partial view alignment metric

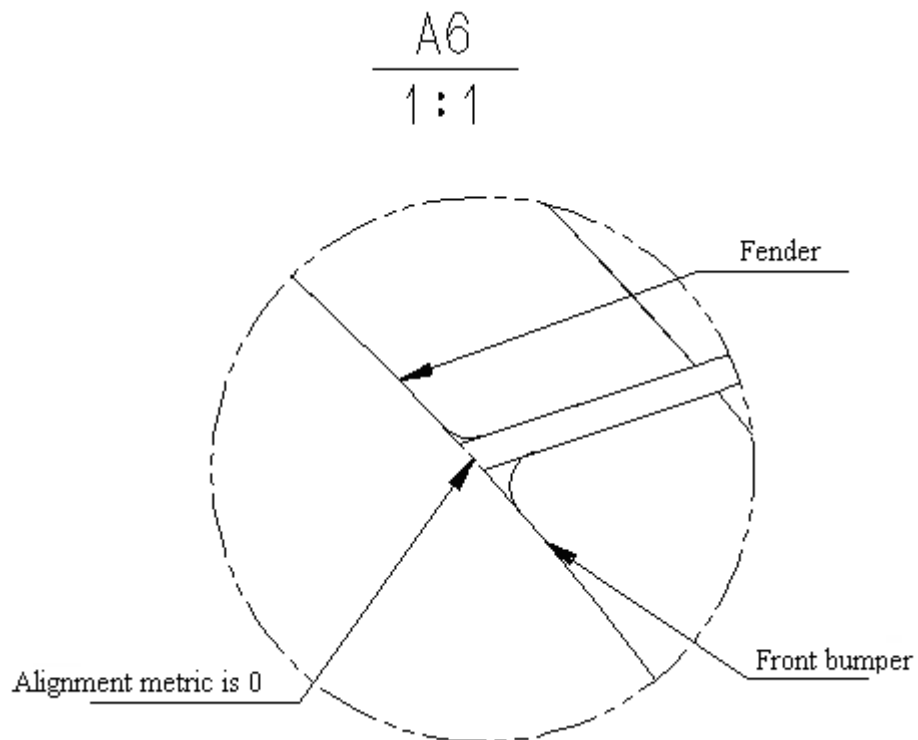
$$\frac{A4}{1:1}$$



2.3 A5 partial view alignment metric

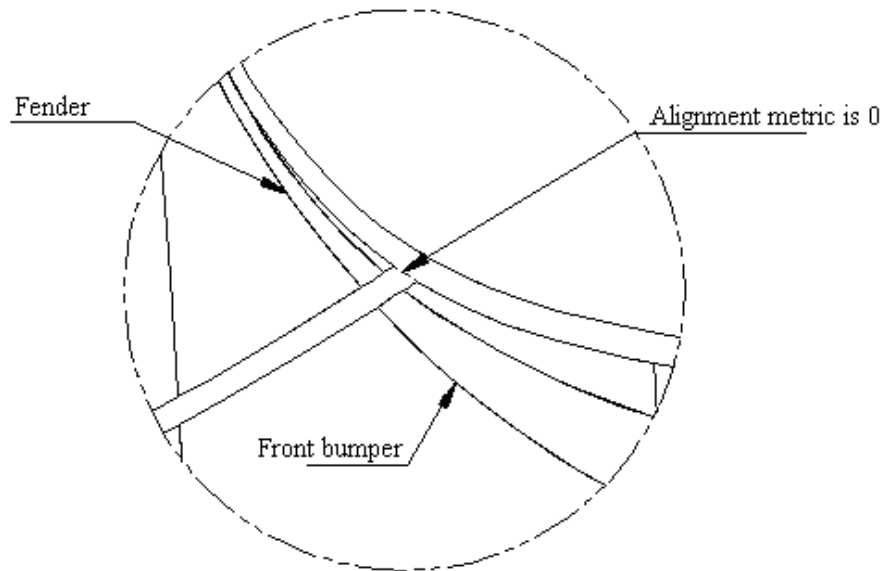


2.4 A6 partial view alignment metric



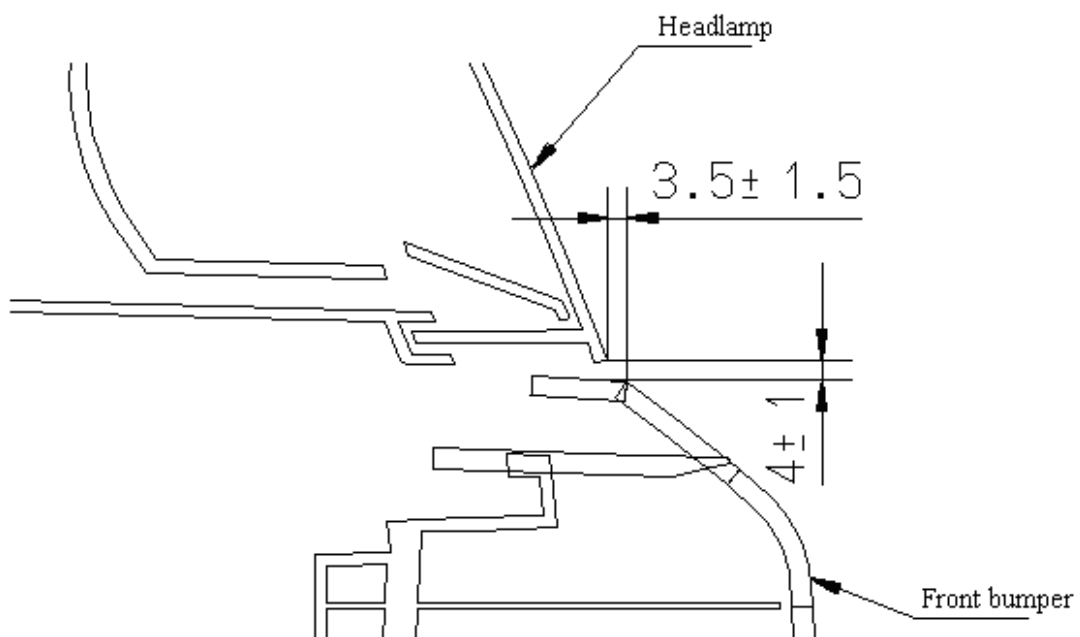
2.5 A7 partial view alignment metric

$$\frac{A7}{1:1}$$

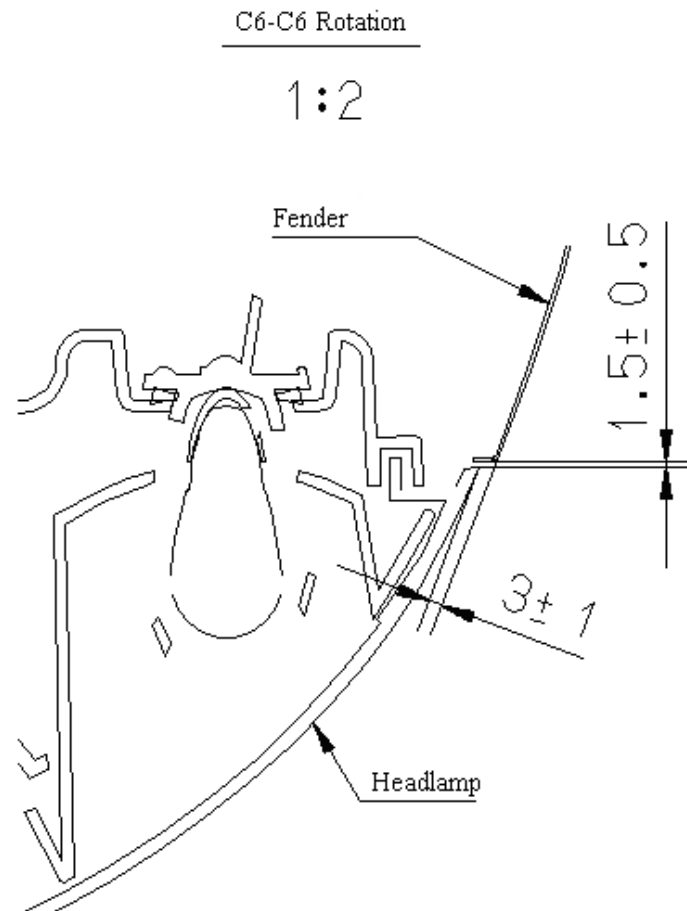


2.6 Gap between C5-C5 headlamp and front bumper: $3.5 \pm 1.5\text{mm}$, $4 \pm 1\text{mm}$

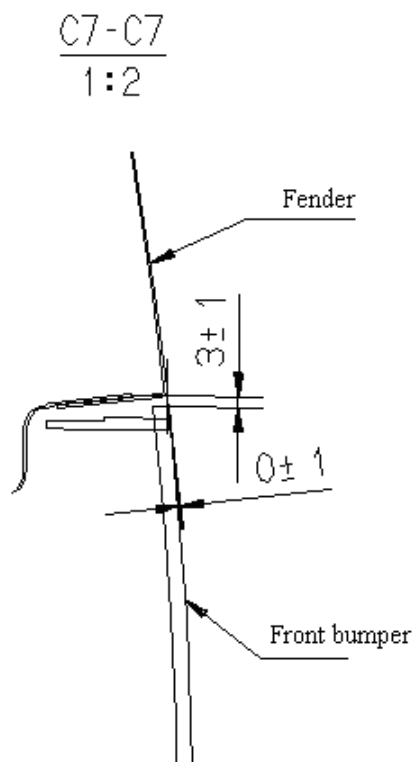
$$\frac{C5 - C5}{1:2}$$



2.7 Gap between C6-C6 fender and headlamp: $1\pm0.5\text{mm}$. $3\pm1\text{mm}$

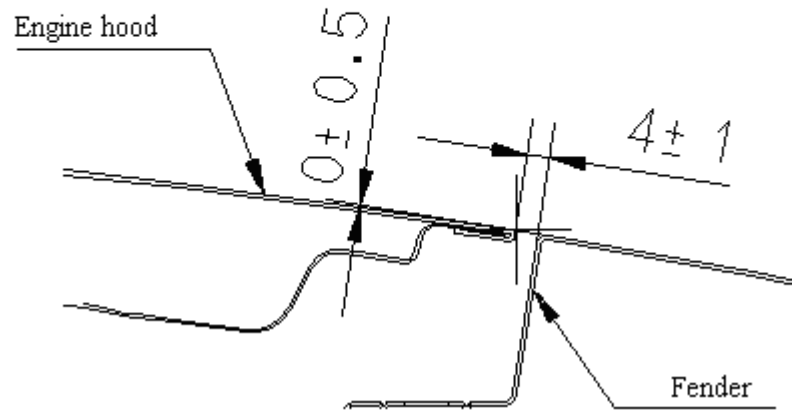


2.8 Gap between C7-C7 fender and front bumper: $3\pm1\text{mm}$. $0\pm1\text{mm}$



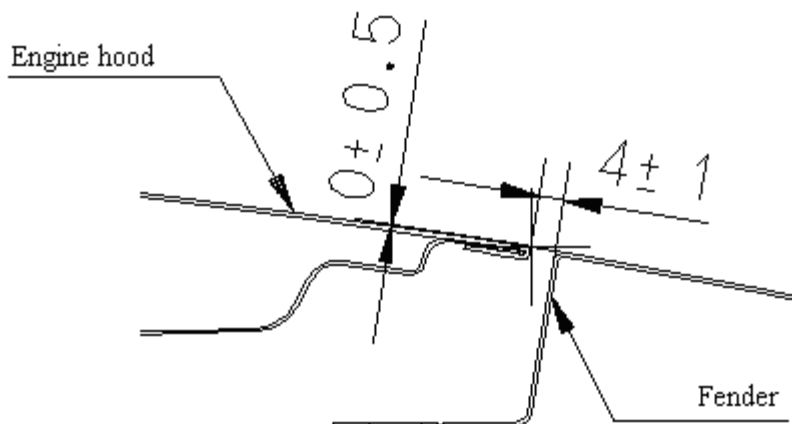
2.9 Gap between D1-D1 engine hood and fender: $0 \pm 0.5\text{mm}$. $4 \pm 1\text{mm}$

$\frac{D1-D1}{1:2}$

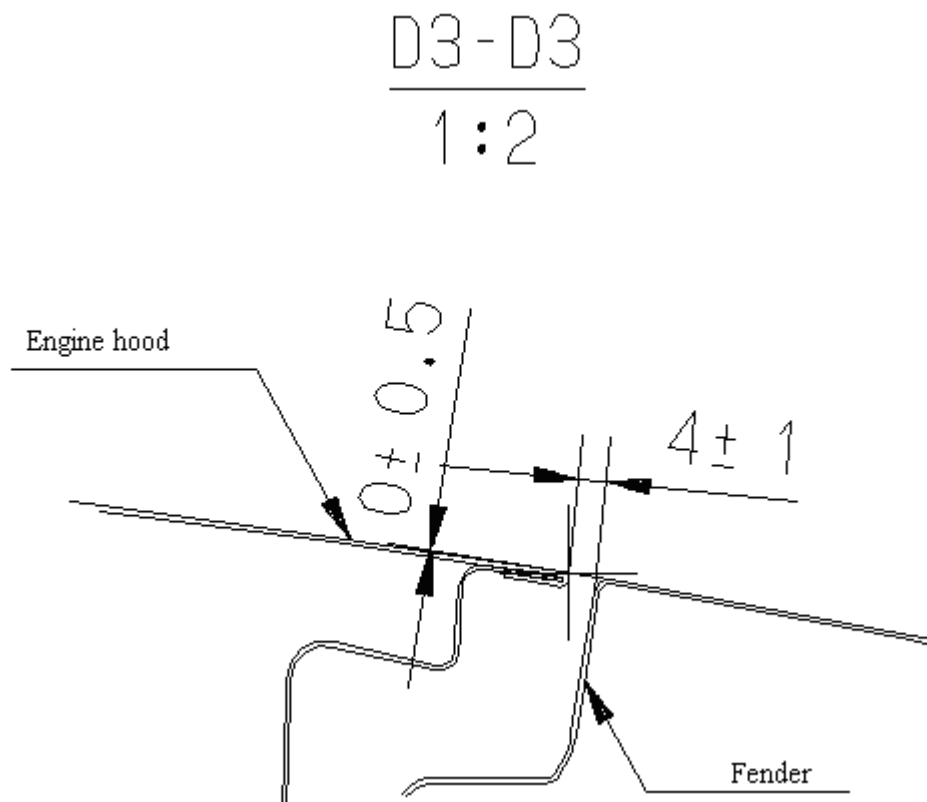


2.9 Gap between D2-D2 engine hood and fender : $0 \pm 0.5\text{mm}$. $4 \pm 1\text{mm}$

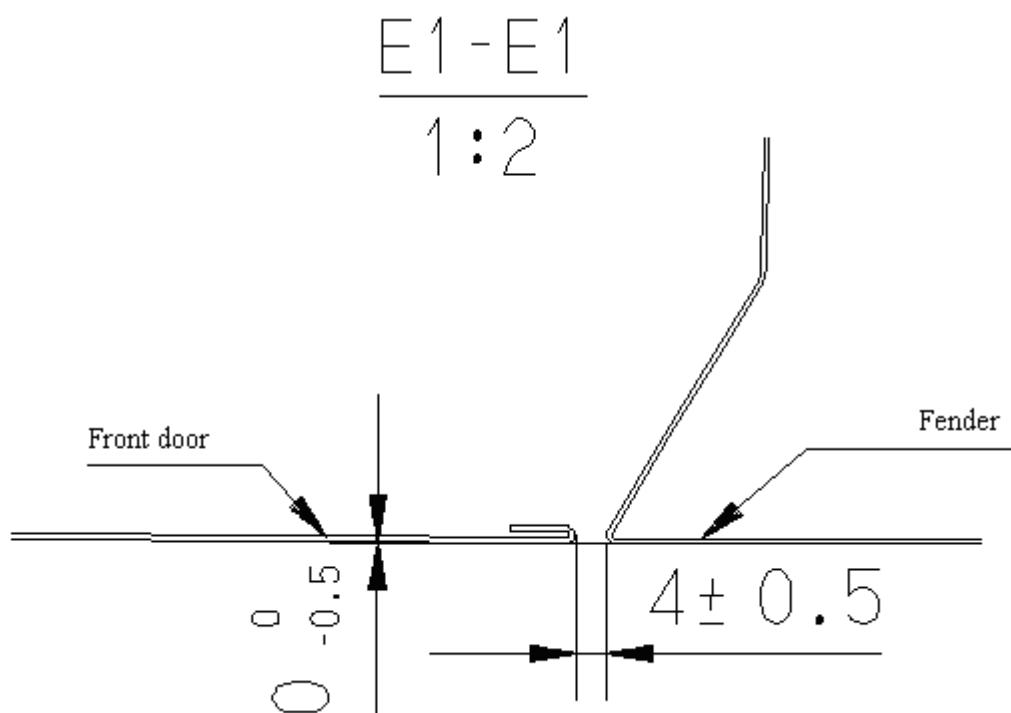
$\frac{D2-D2}{1:2}$



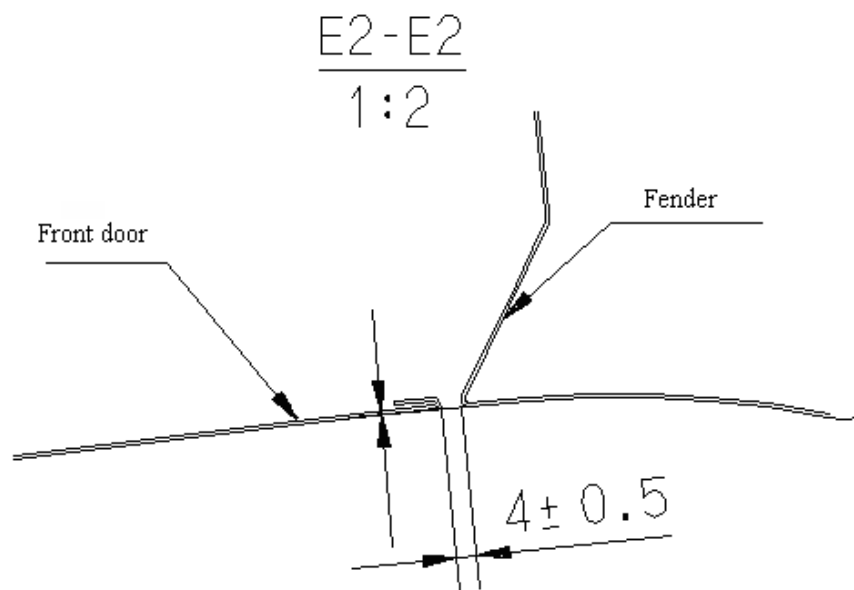
2.10 Gap between D3-D3 engine hood and fender: $0 \pm 0.5\text{mm}$, $4 \pm 1\text{mm}$



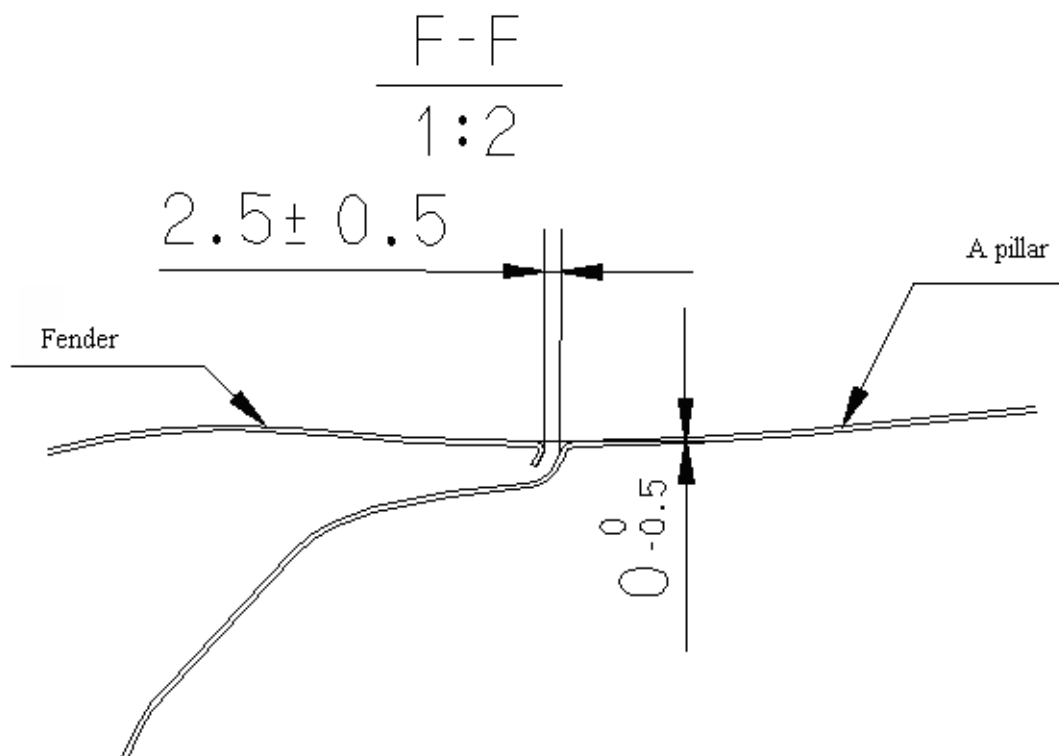
2.11 Gap between E1-E1 front door and fender: $-0.25 \pm 0.25\text{mm}$, $4 \pm 0.5\text{mm}$



2.12 Gap between E2-E2 front door and fender : $4\pm0.5\text{mm}$

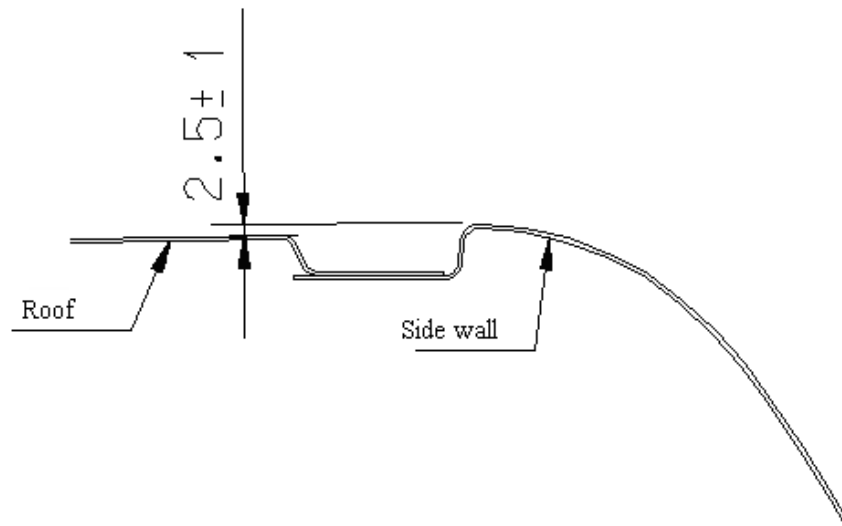


2.13 Gap between F-F fender and A pillar: $2.5\pm0.5\text{mm}$



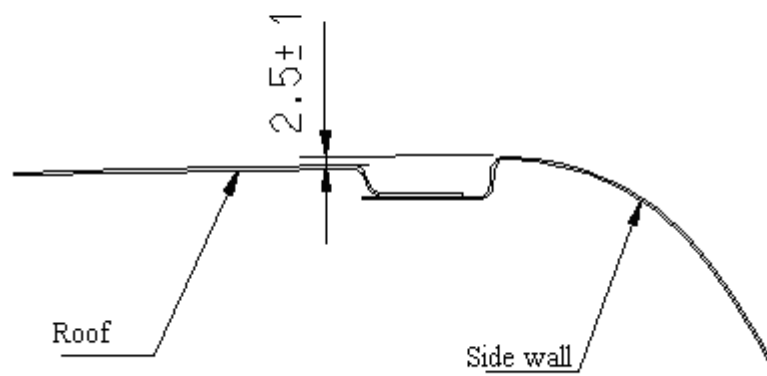
2.14 Gap between F01-F01 roof and side wall: $2.5 \pm 1\text{mm}$

F01-F01
1:2

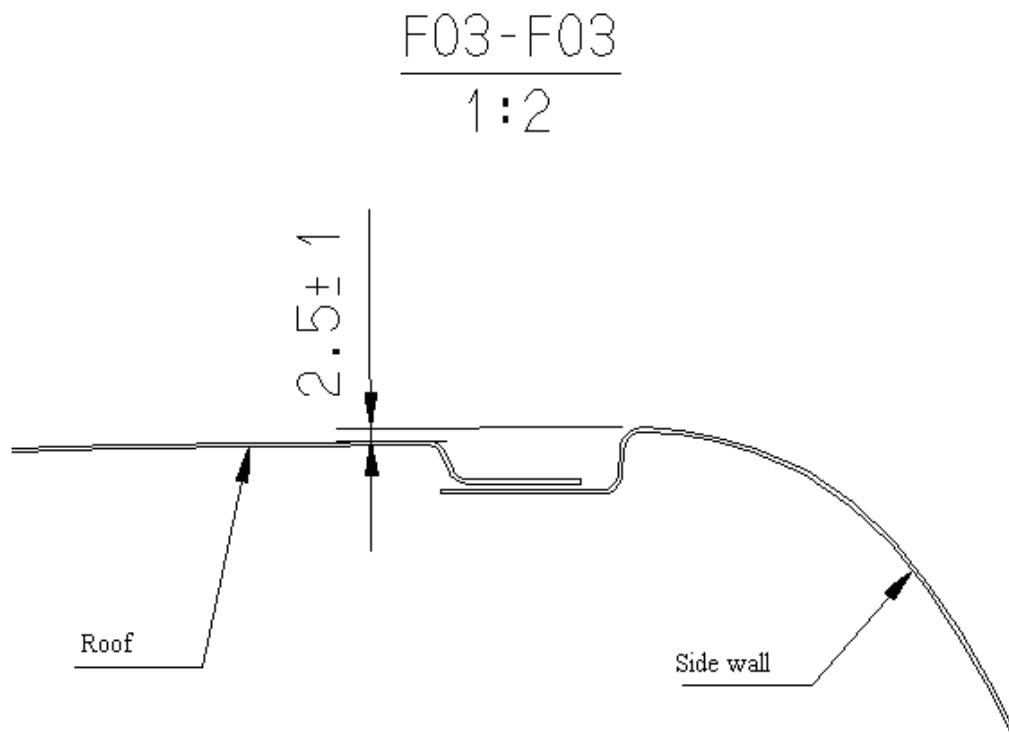


2.15 Gap between F02-F02 roof and side wall: $2.5 \pm 1\text{mm}$

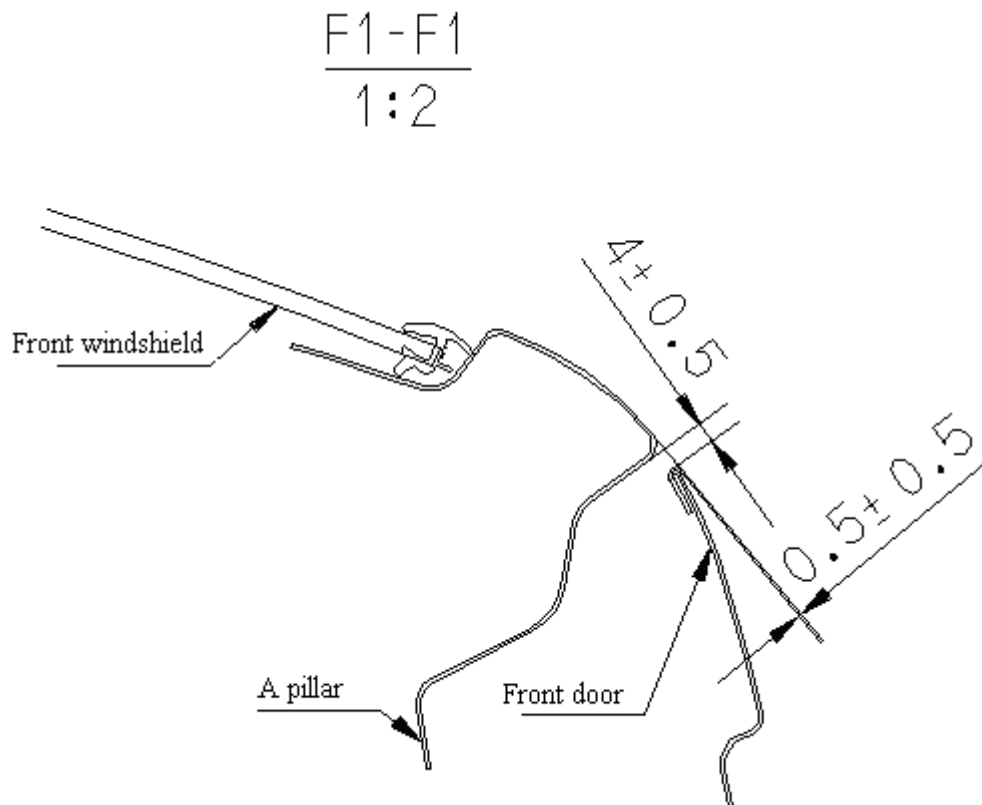
F02-F02
1:2



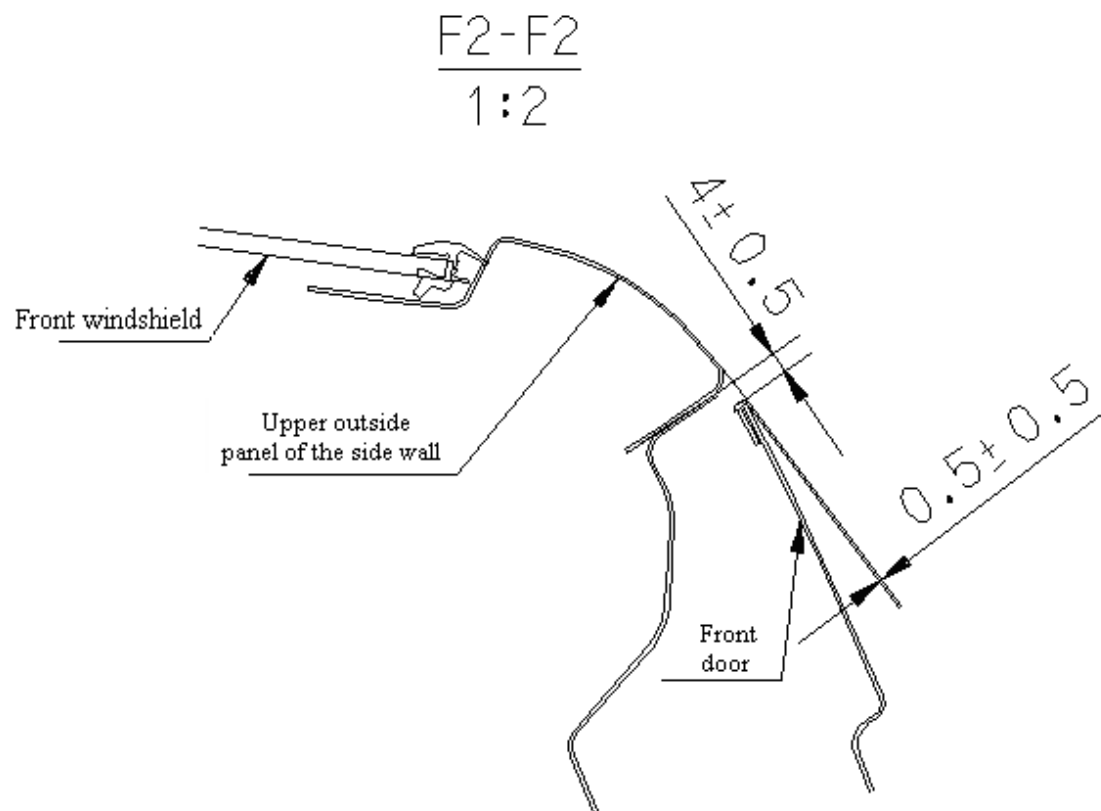
2.16 Gap between F03-F03 roof and side wall: $2.5 \pm 1\text{mm}$



2.17 Gap between F1-F1 A pillar and front door: $4 \pm 0.5\text{mm}$, $0.5 \pm 0.5\text{mm}$

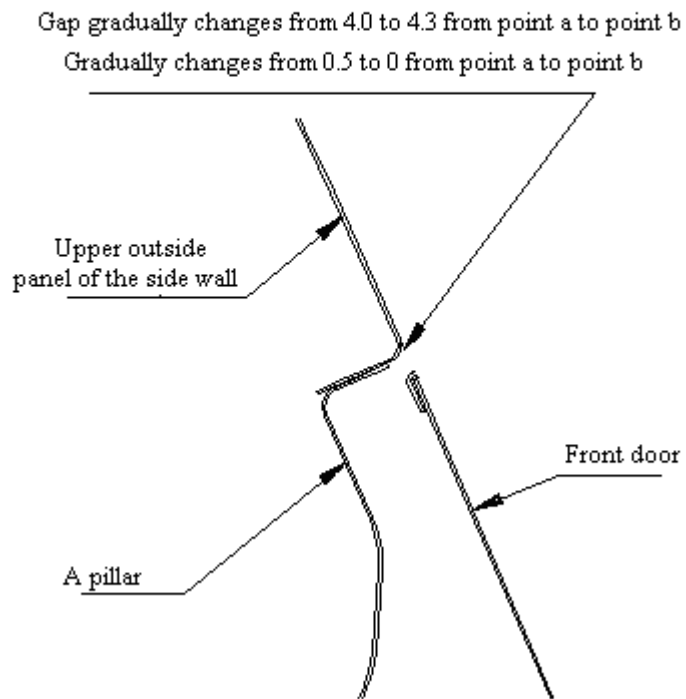


2.18 Gap between F2-F2 upper outside panel of the side wall and front door :
 $4\pm 0.5\text{mm}.0.5\pm 0.5\text{mm}$

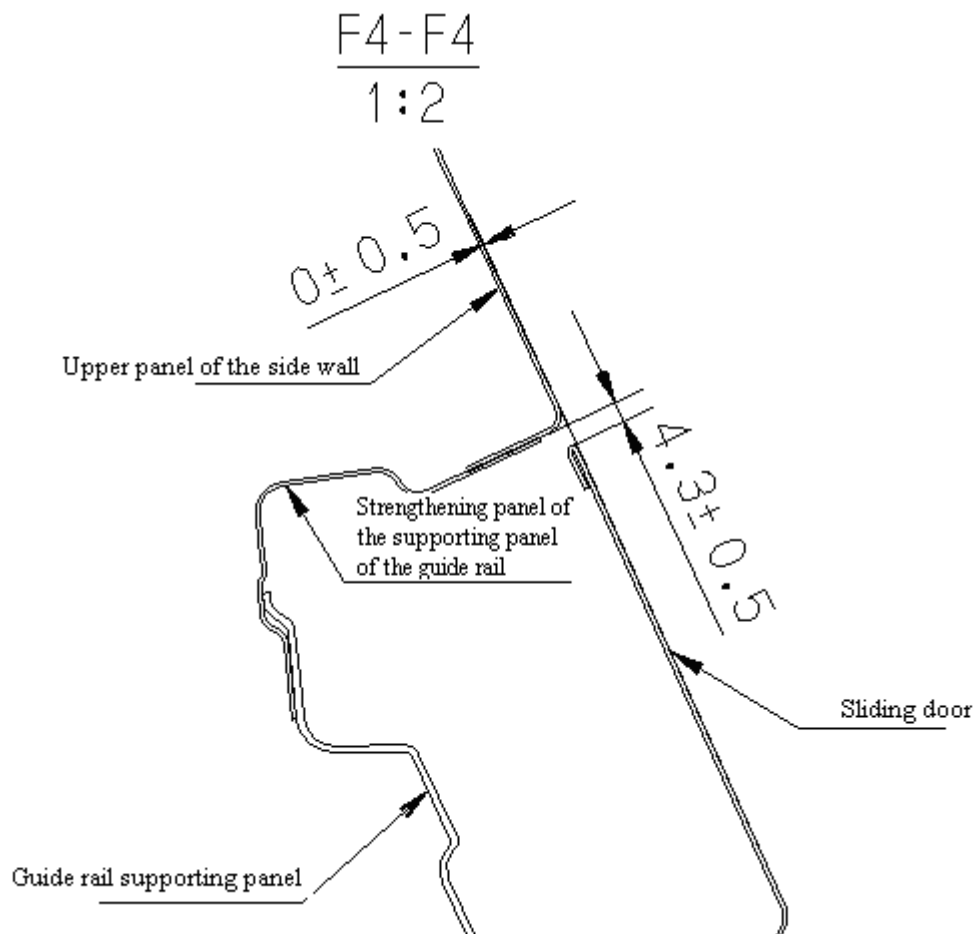


- 2.19 Gap between F3-F3 upper outside panel of the side wall and front door:
Gap gradually changes from 4.0 to 4.3 from point a to point b
Gradually changes from 0.5 to 0 from point a to point b

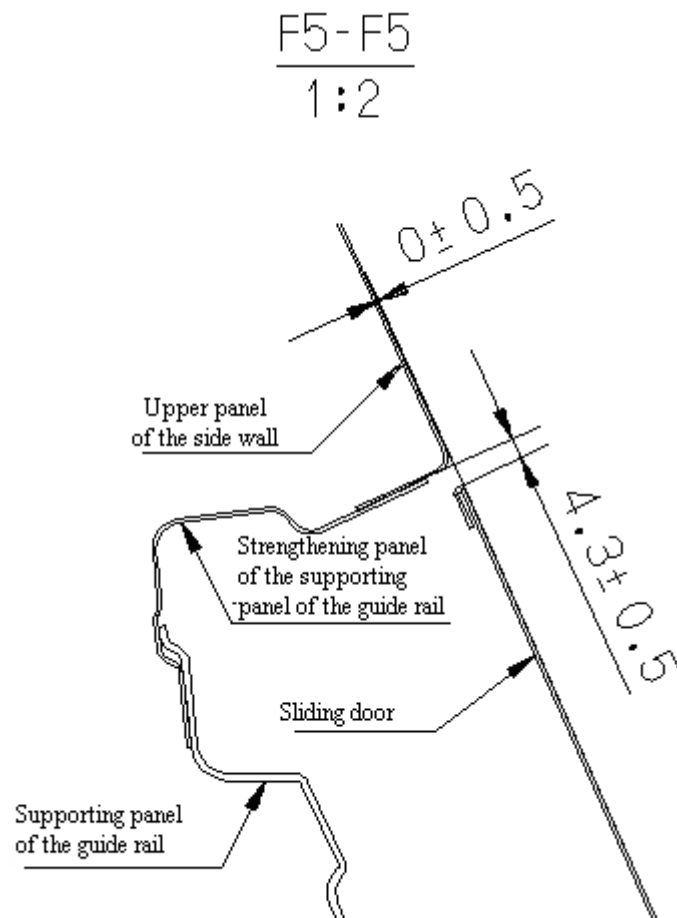
F3 - F3
1:2



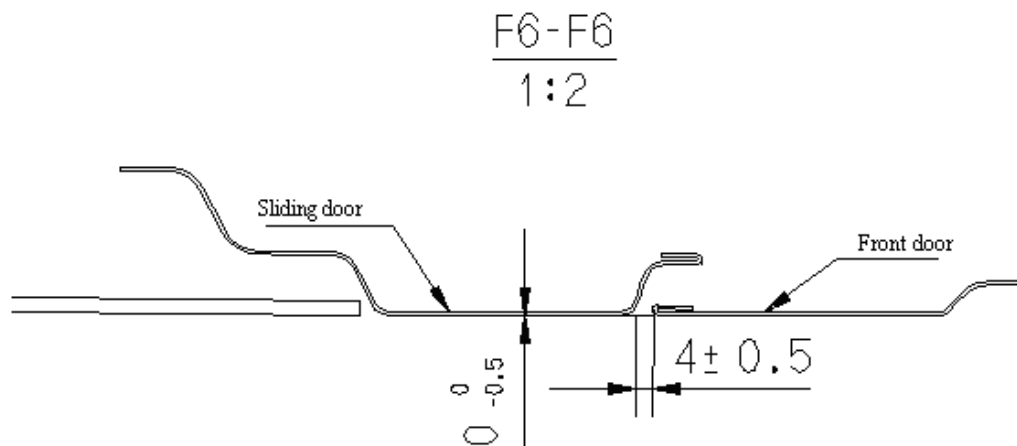
2.20 Gap between F4-F4 upper outside panel of the side wall and sliding door :
 $0 \pm 0.5\text{mm}$, $4.3 \pm 0.5\text{mm}$



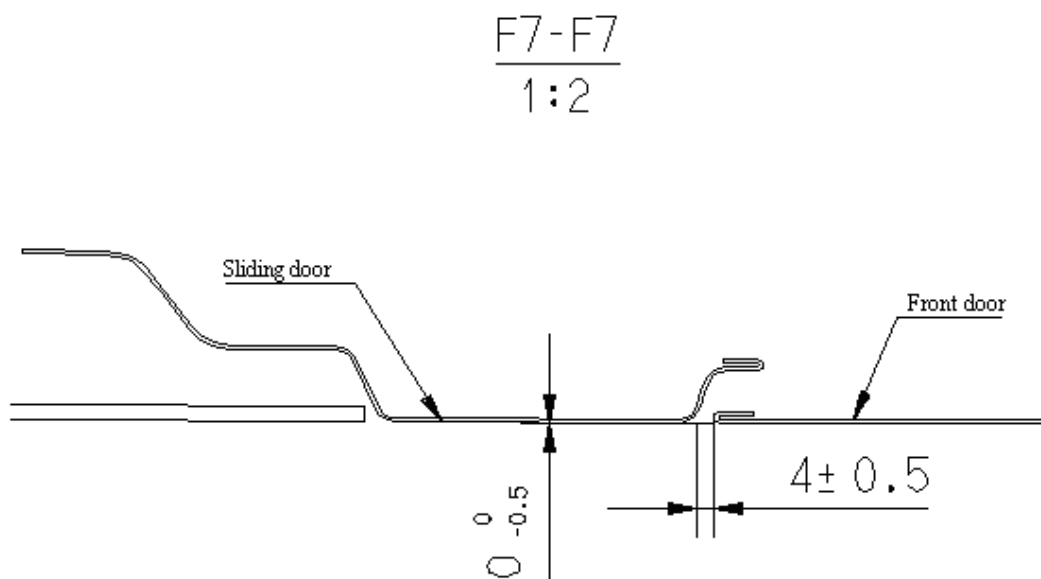
2.21 Gap between F5-F5 upper outside panel of the side wall and sliding door:
 $0 \pm 0.5 \text{ mm}$, $4.3 \pm 0.5 \text{ mm}$



2.22 Gap between F6-F6 sliding door and front door: $-0.25 \pm 0.25\text{mm}$, $4 \pm 0.5\text{mm}$

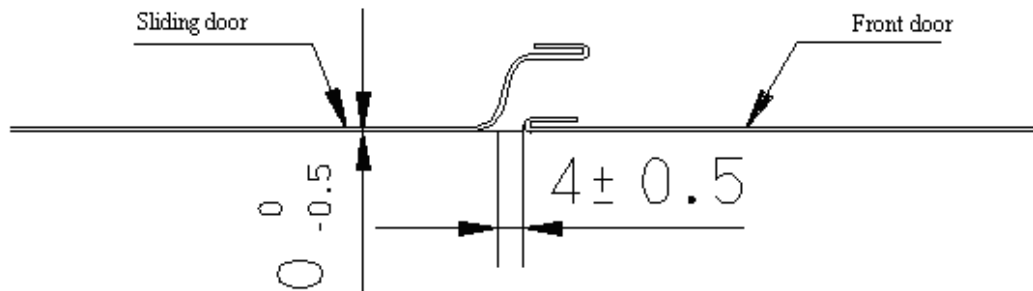


2.23 Gap between F7-F7 sliding door and front door: $-0.25 \pm 0.25\text{mm}$, $4 \pm 0.5\text{mm}$



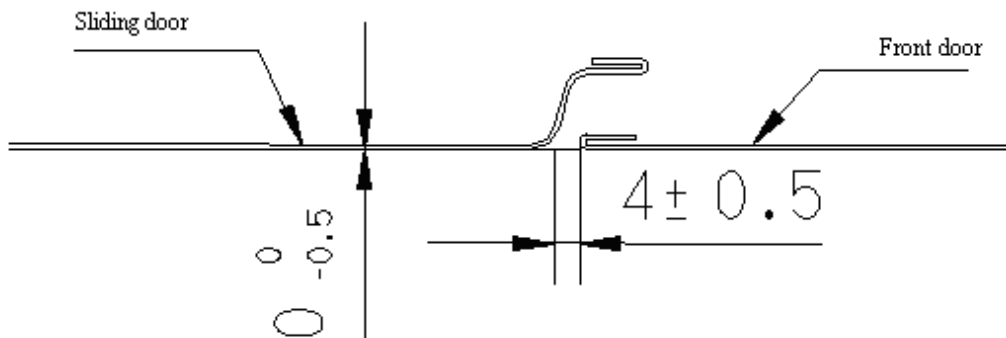
2.24 Gap between F8-F8 sliding door and front door : $-0.25 \pm 0.25\text{mm}$, $4 \pm 0.5\text{mm}$

$$\frac{\text{F8 - F8}}{1:2}$$

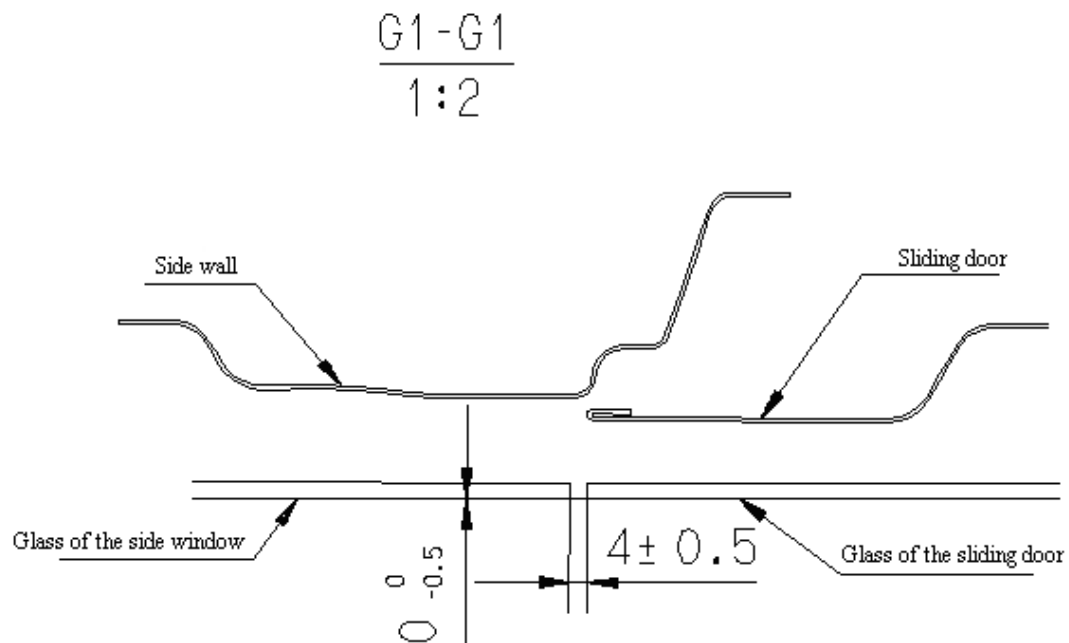


2.25 Gap between F9-F9 sliding door and front door: $-0.25 \pm 0.25\text{mm}$, $4 \pm 0.5\text{mm}$

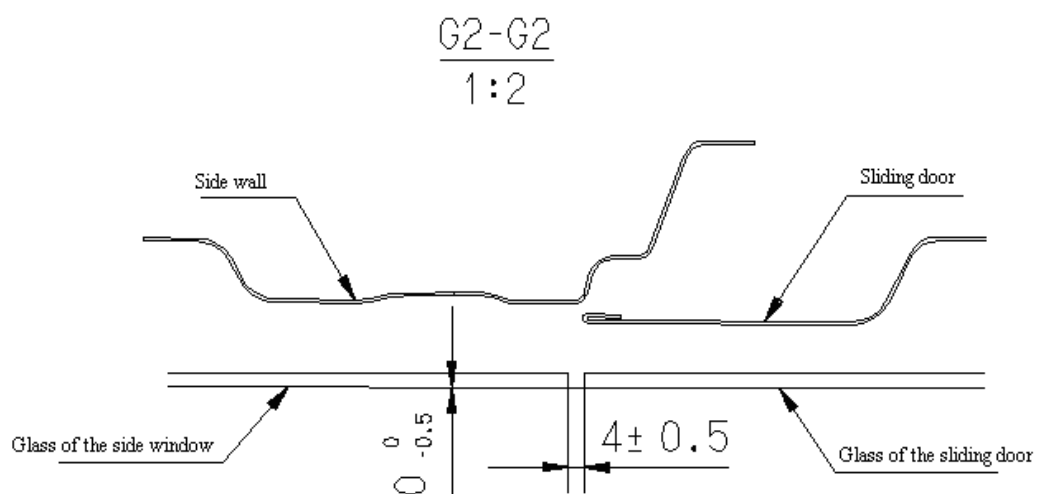
$$\frac{\text{F9 - F9}}{1:2}$$



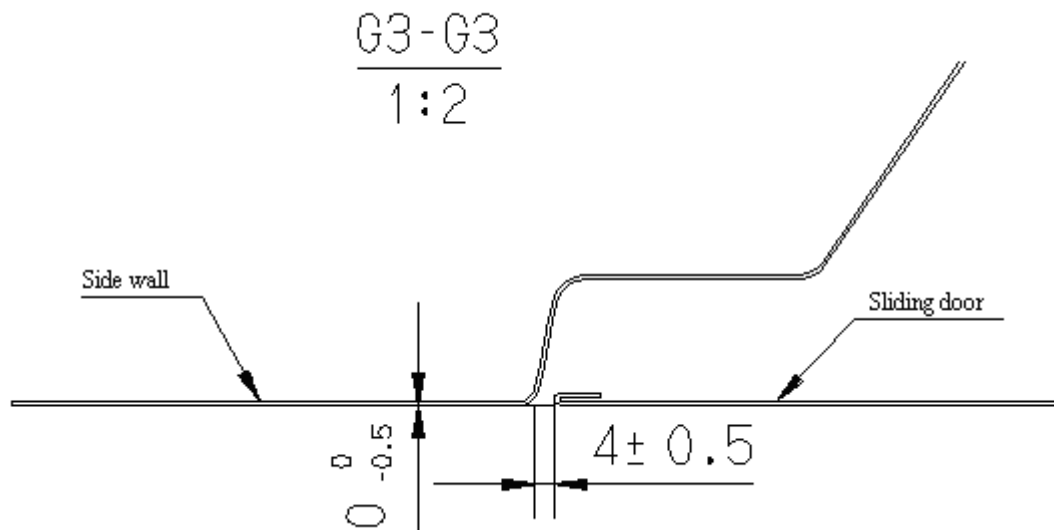
2.26 Gap between G1-G1 glass of the side window and sliding door: $-0.25 \pm 0.25\text{mm}$, $4 \pm 0.5\text{mm}$



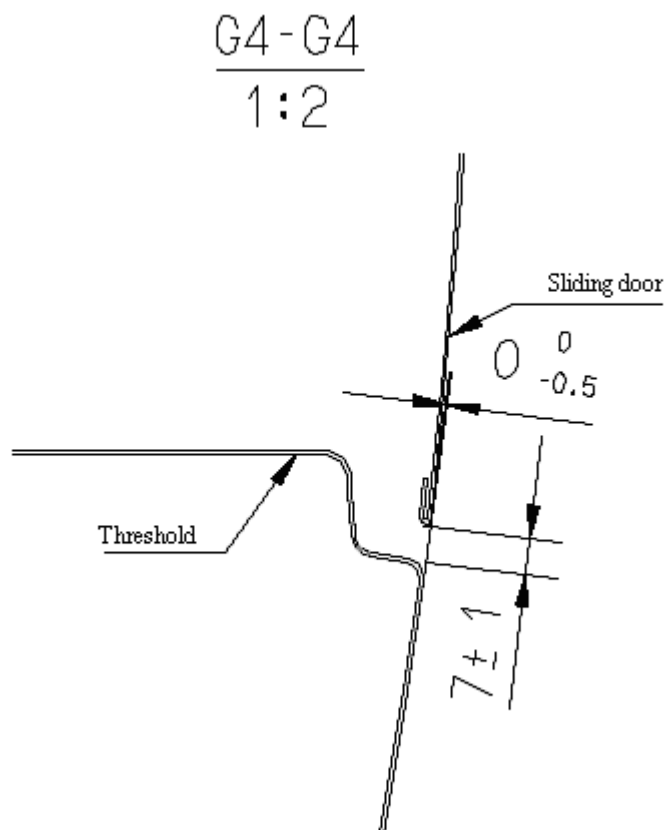
2.27 Gap between G2-G2 glass of the side window and sliding door: $-0.25 \pm 0.25\text{mm}$, $4 \pm 0.5\text{mm}$
: $-0.25 \pm 0.25\text{mm}$, $4 \pm 0.5\text{mm}$



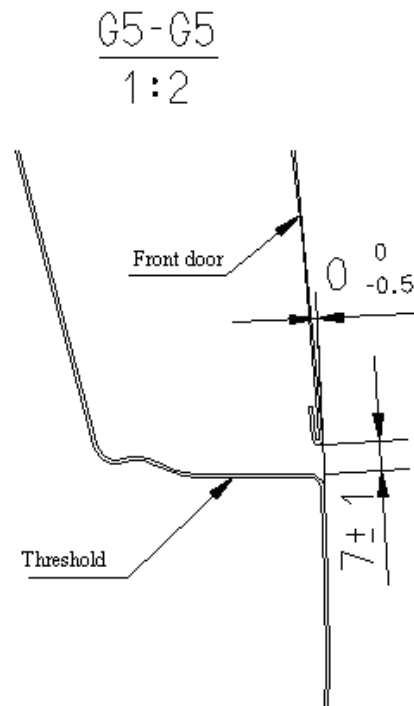
2.28 Gap between G3-G3 side wall and sliding door: $-0.25 \pm 0.25\text{mm}$, $4 \pm 0.5\text{mm}$



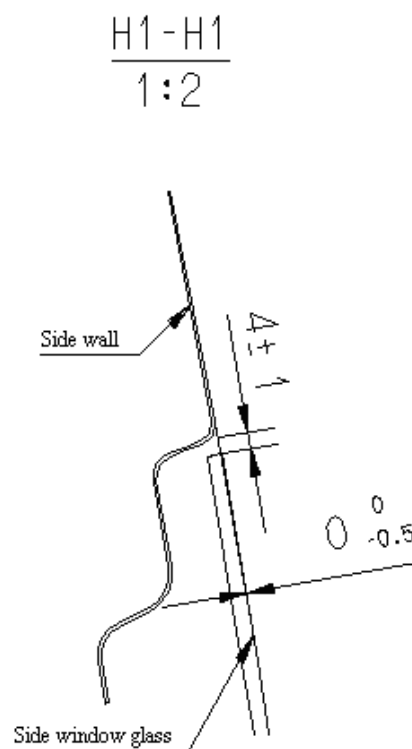
2.29 Gap between G4-G4 threshold and sliding door: $-0.25 \pm 0.25\text{mm}$, $7 \pm 1\text{mm}$



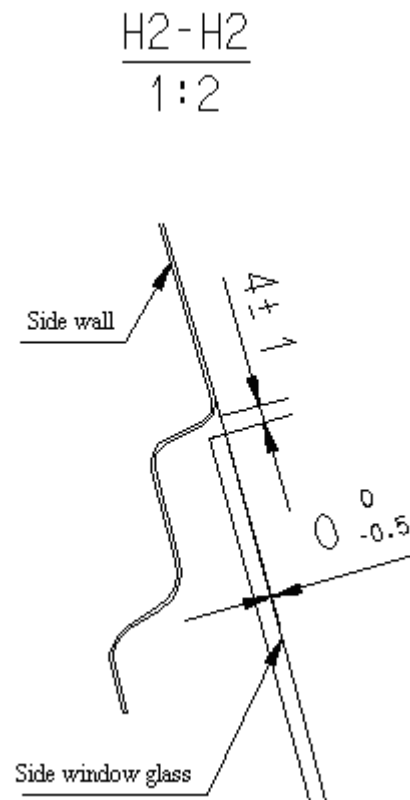
2.30 Gap between G5-G5 threshold and front door: $-0.25 \pm 0.25 \text{ mm}$, $7 \pm 1 \text{ mm}$



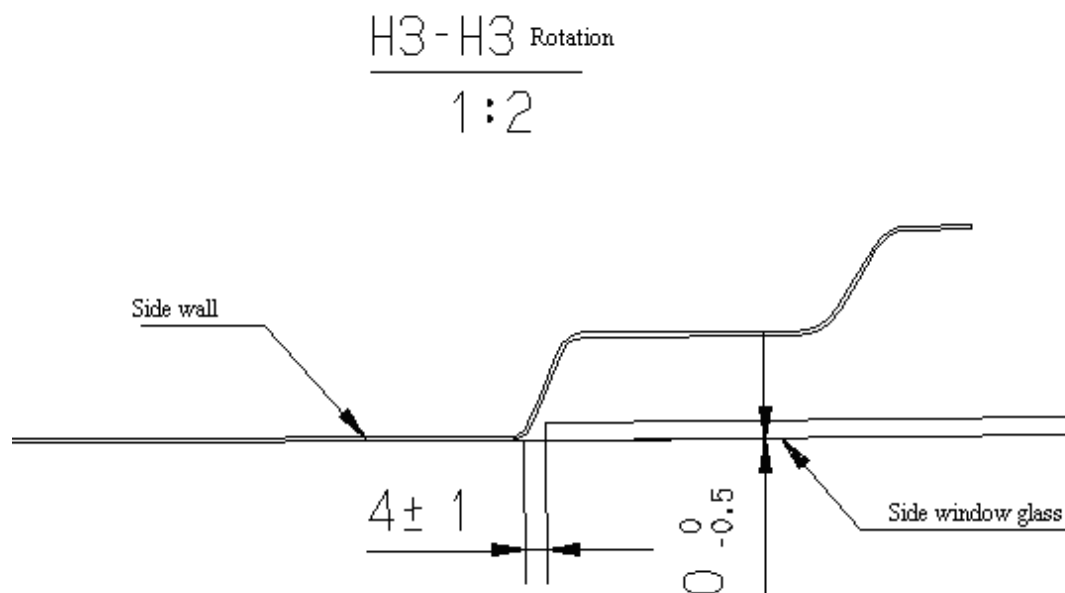
2.31 Gap between H1-H1 side wall and side window glass: $-0.25 \pm 0.25 \text{ mm}$, $4 \pm 1 \text{ mm}$



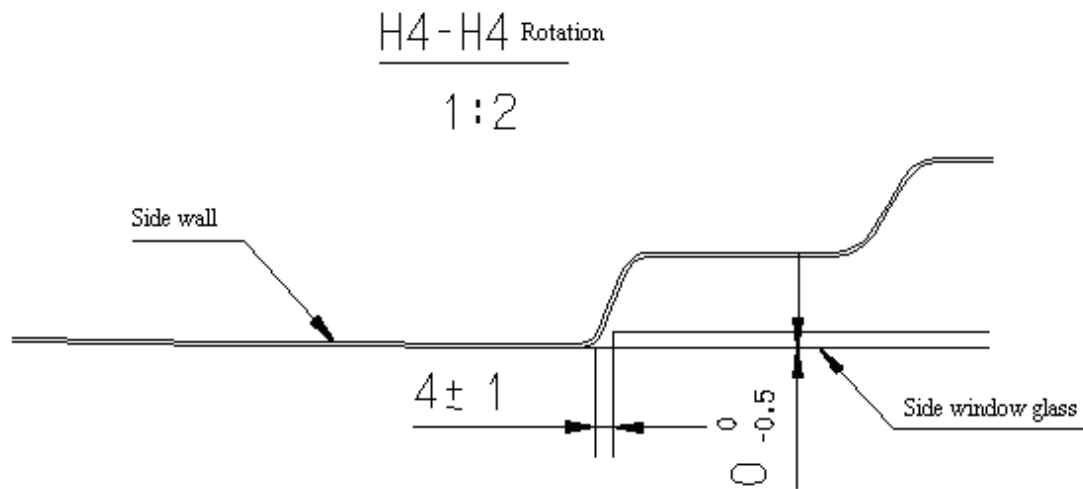
2.32 Gap between H2-H2 side wall and side window glass: $-0.25 \pm 0.25 \text{mm}$. $4 \pm 1 \text{mm}$



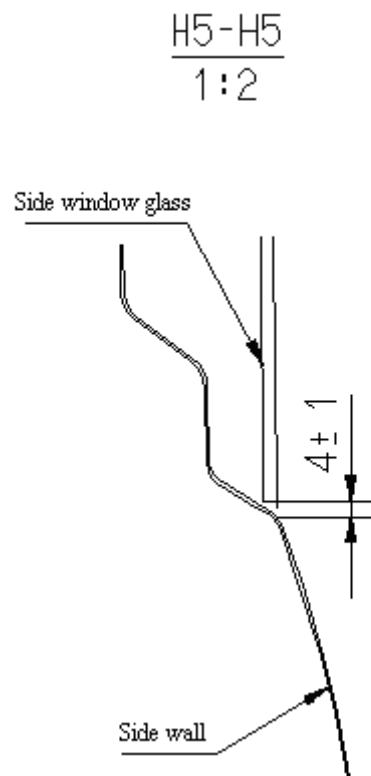
2.33 Gap between H3-H3 side wall and side window glass: $-0.25 \pm 0.25 \text{mm}$. $4 \pm 1 \text{mm}$



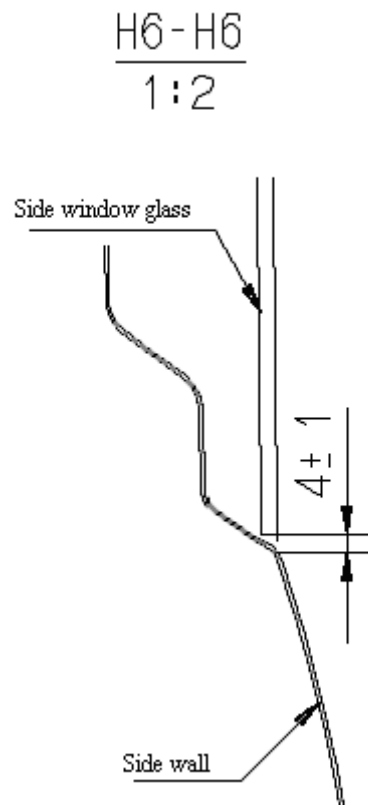
2.34 Gap between H4-H4 side wall and side window glass: $-0.25 \pm 0.25 \text{ mm}$ $4 \pm 1 \text{ mm}$



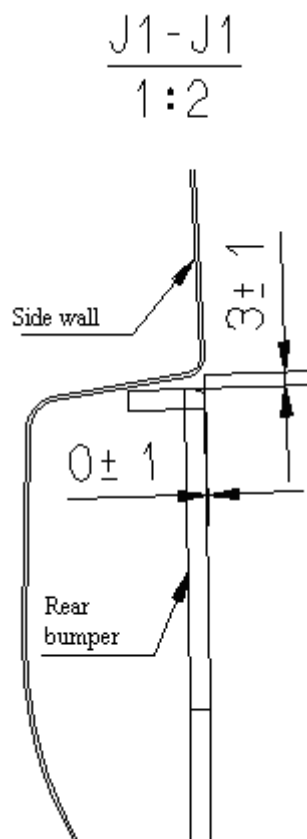
2.35 Gap between H5-H5 side wall and side window glass: $4 \pm 1 \text{ mm}$



2.36 Gap between H6-H6 side wall and side window glass: $4\pm1\text{mm}$

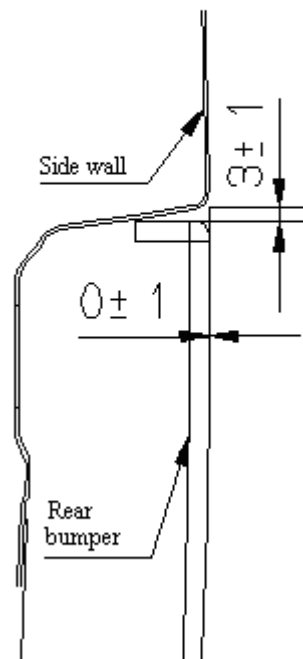


2.37 Gap between J1-J1 side wall and rear bumper: $0\pm1\text{mm}$, $3\pm1\text{mm}$



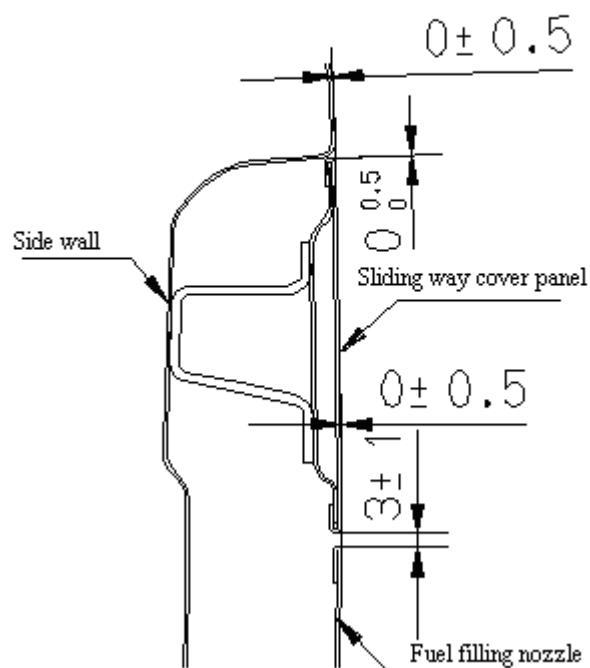
2.38 Gap between J2-J2 side wall and rear bumper: $0 \pm 1\text{mm}$, $3 \pm 1\text{mm}$

$\frac{J2-J2}{1:2}$

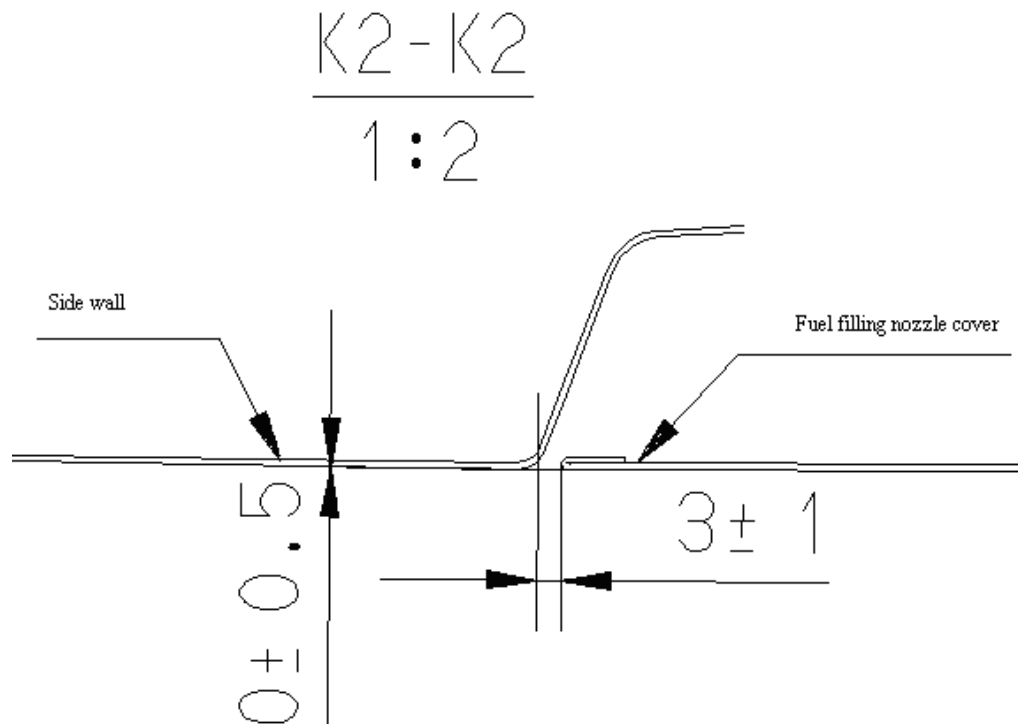


2.39 Gap between K1-K1 side wall and sliding way cover panel: $0 \pm 0.5\text{mm}$, $0.25 \pm 0.25\text{mm}$, $0 \pm 0.5\text{mm}$, $3 \pm 1\text{mm}$

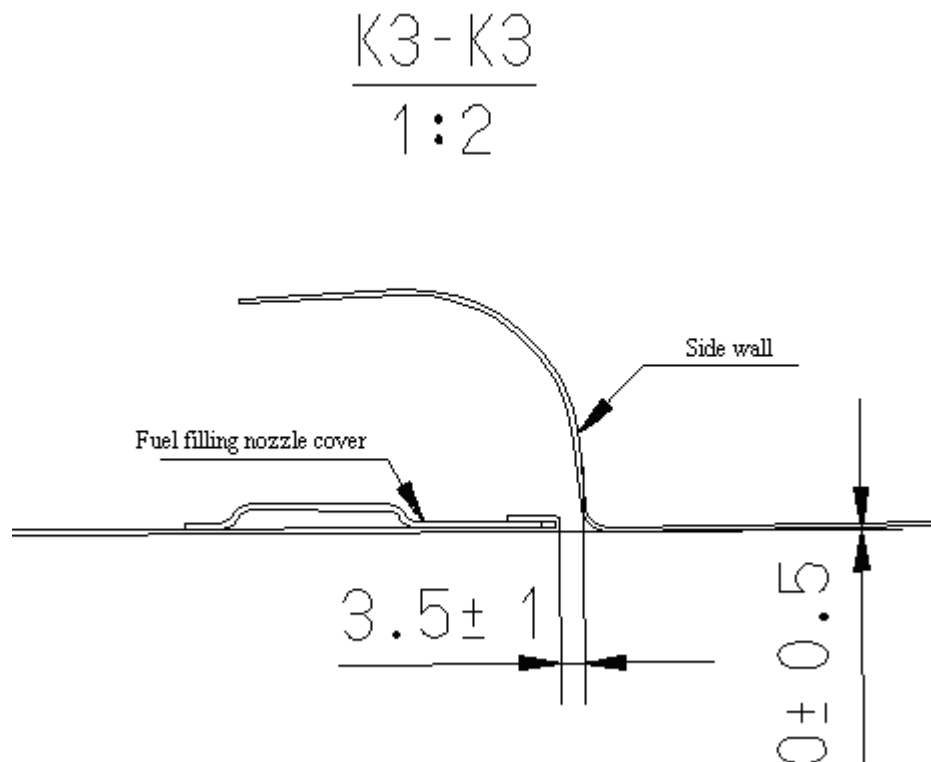
$\frac{K1-K1}{1:2}$



2.40 Gap between K2-K2 side wall and fuel filling nozzle cover: $0 \pm 0.5 \text{ mm}$. $3 \pm 1 \text{ mm}$

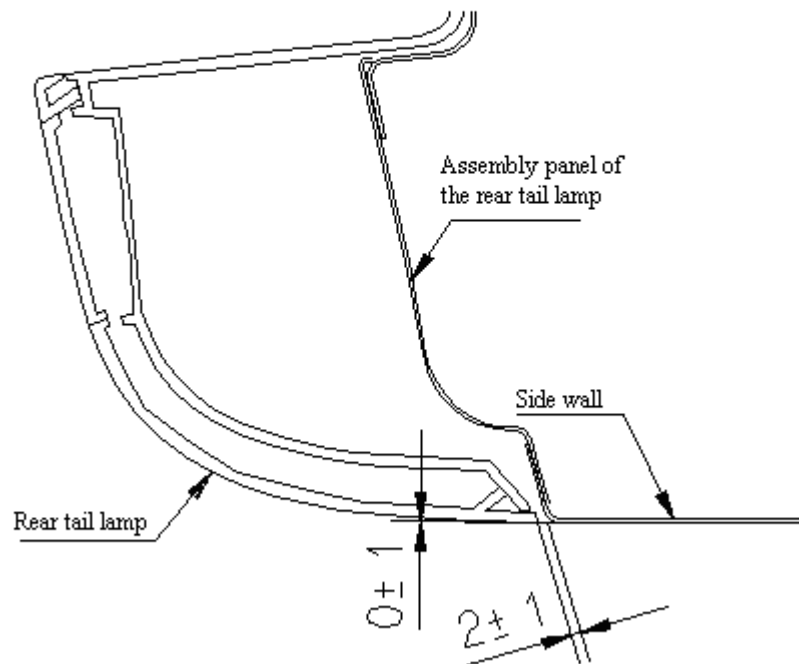


2.41 Gap between K3-K3 side wall and fuel filling nozzle cover: $3.5 \pm 1 \text{ mm}$. $0 \pm 0.5 \text{ mm}$



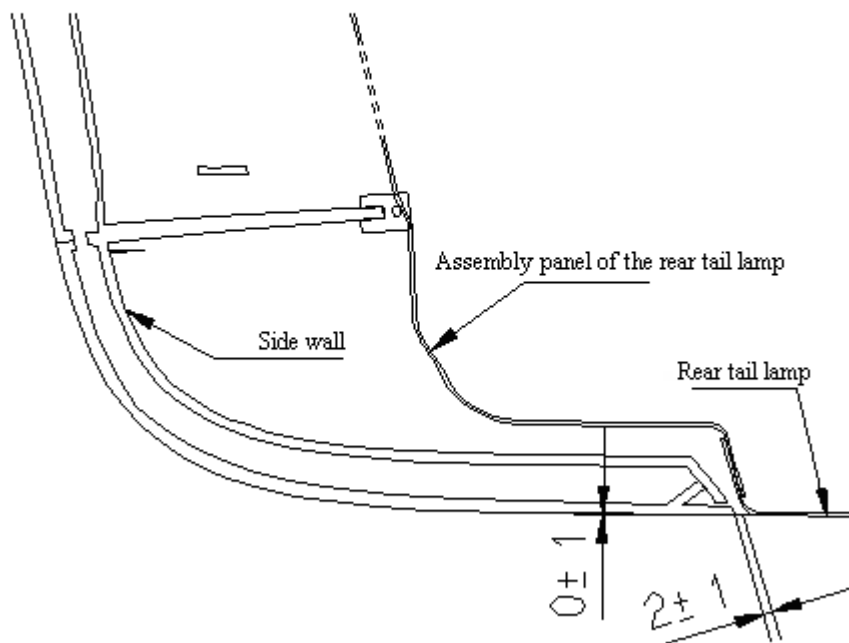
2.42 Gap between M1-M1 rear tail lamp and side wall: $0\pm1\text{mm}.2\pm1\text{mm}$

$\frac{M1-M1}{1:2}$

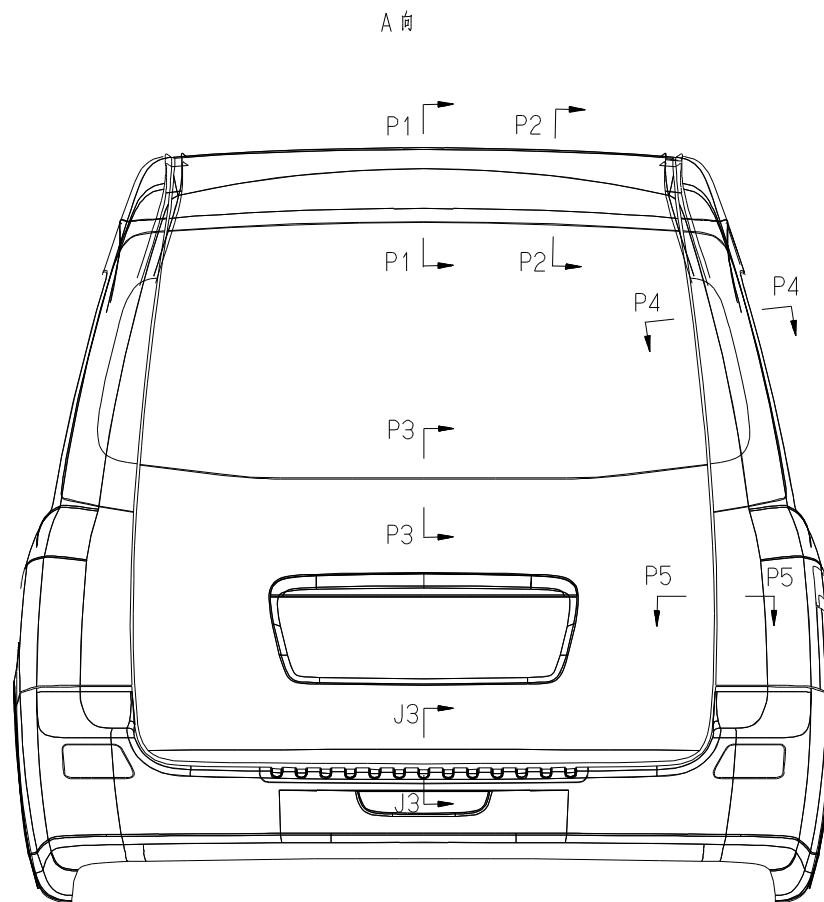


2.43 Gap between M2-M2 rear tail lamp and side wall: $0\pm1\text{mm}.2\pm1\text{mm}$

$\frac{M2-M2}{1:2}$

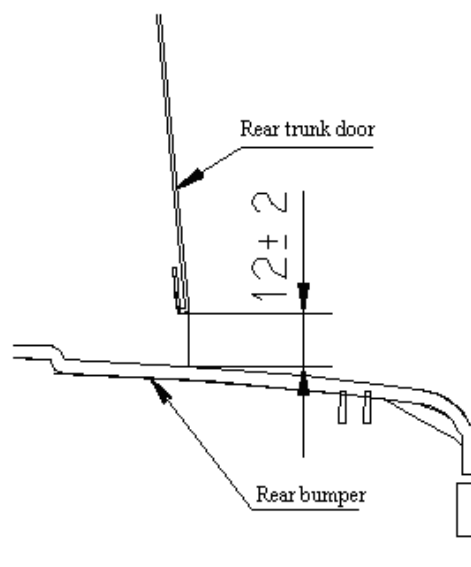


3. Rear view

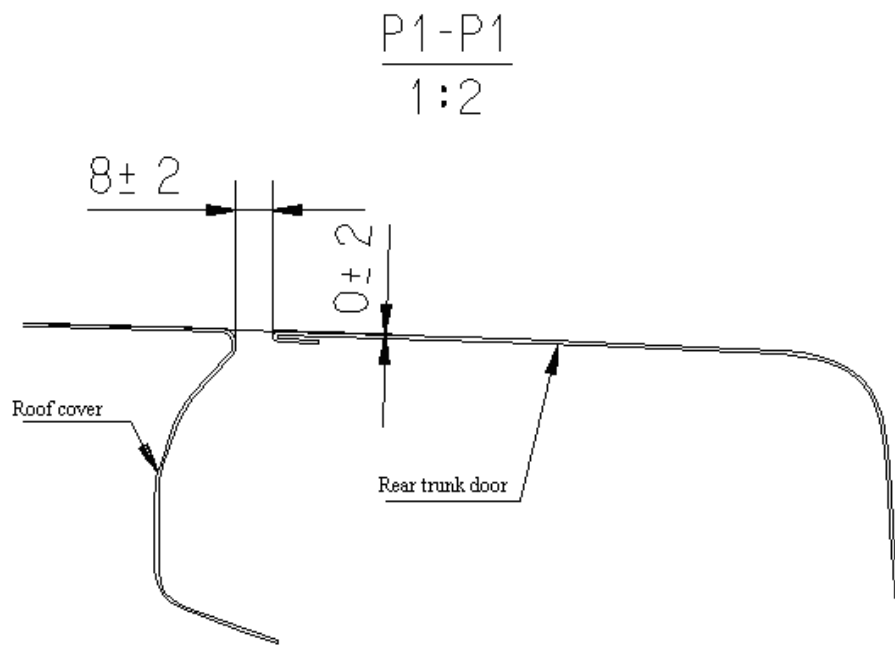


3.1 Gap between J3-J3 rear trunk door and rear bumper: $12\pm 2\text{mm}$

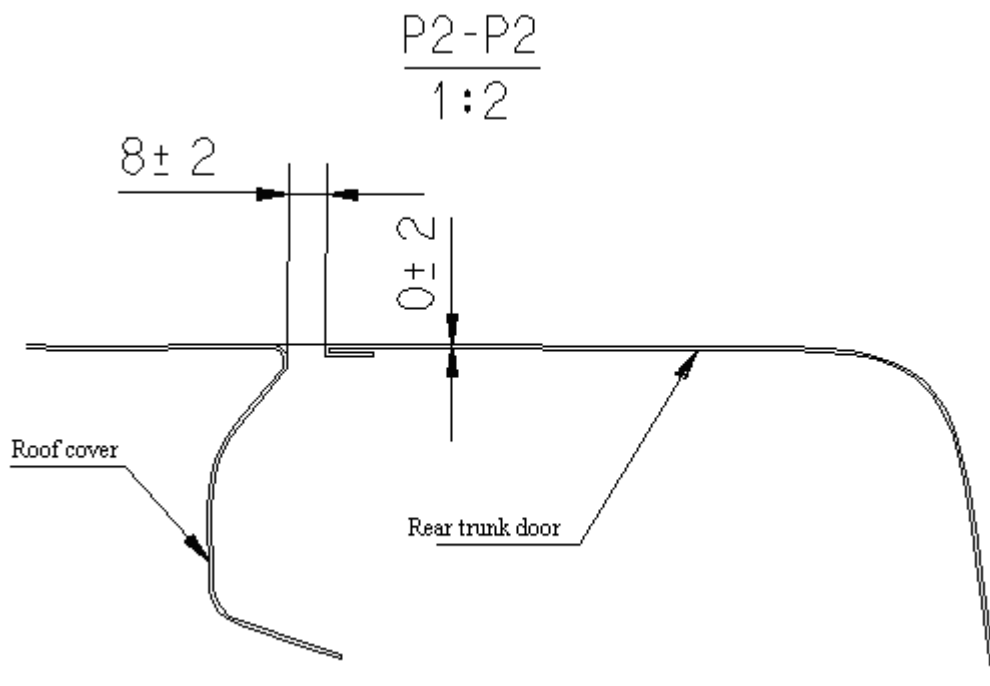
J3-J3
1:2



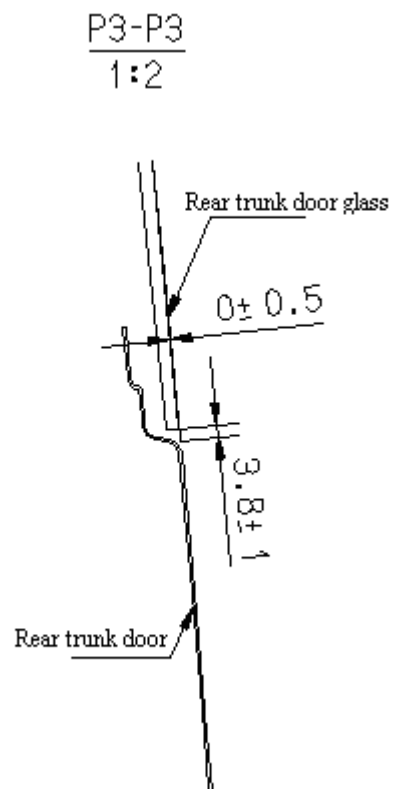
3.2 Gap between P1-P1 roof cover and door outside panel of the rear trunk door: $8\pm 2\text{mm}$. $0\pm 2\text{mm}$



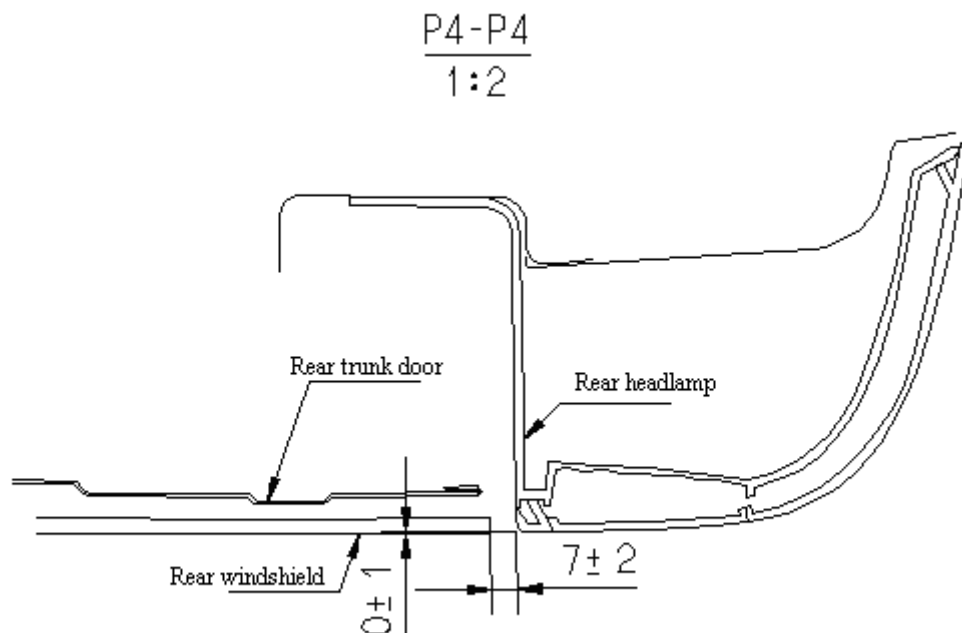
3.3 Gap between P2-P2 roof cover and door outside panel of the rear trunk door: $8\pm 2\text{mm}$. $0\pm 2\text{mm}$



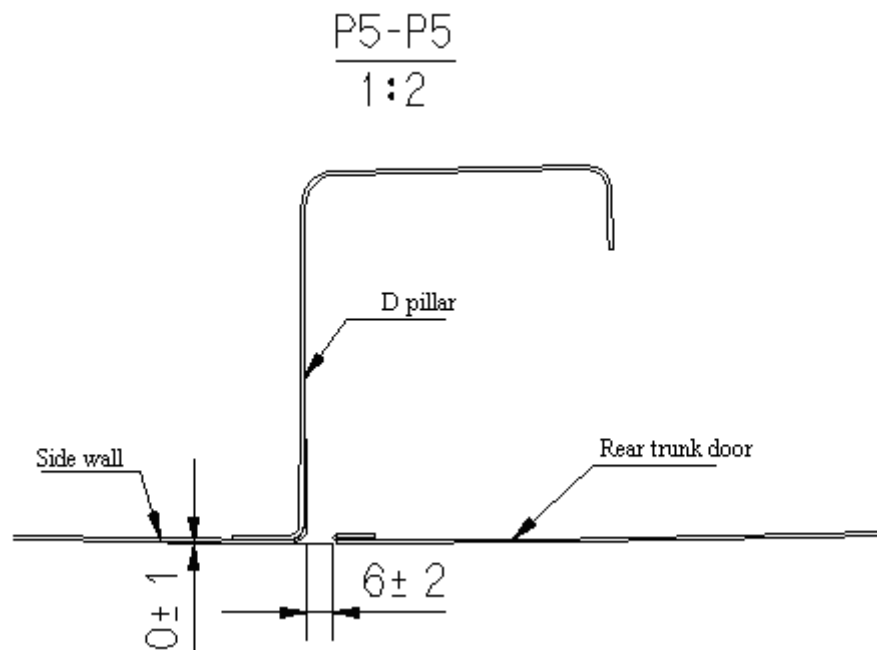
3.4 Gap between P3-P3 rear trunk door and glass of the rear trunk door: $0 \pm 0.5\text{mm}$. $3.8 \pm 1\text{mm}$



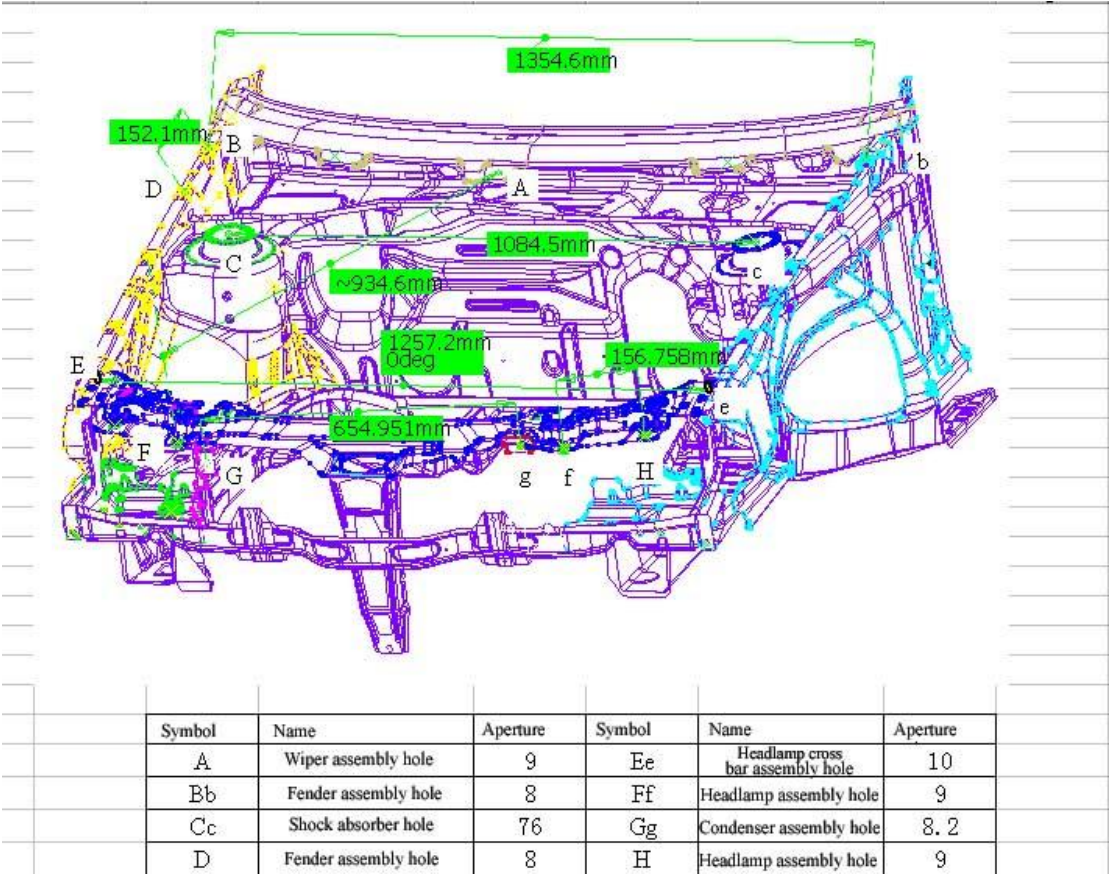
3.5 Gap between P4-P4 rear trunk door, rear windshield and rear headlamp: $0 \pm 1\text{mm}$. $7 \pm 2\text{mm}$



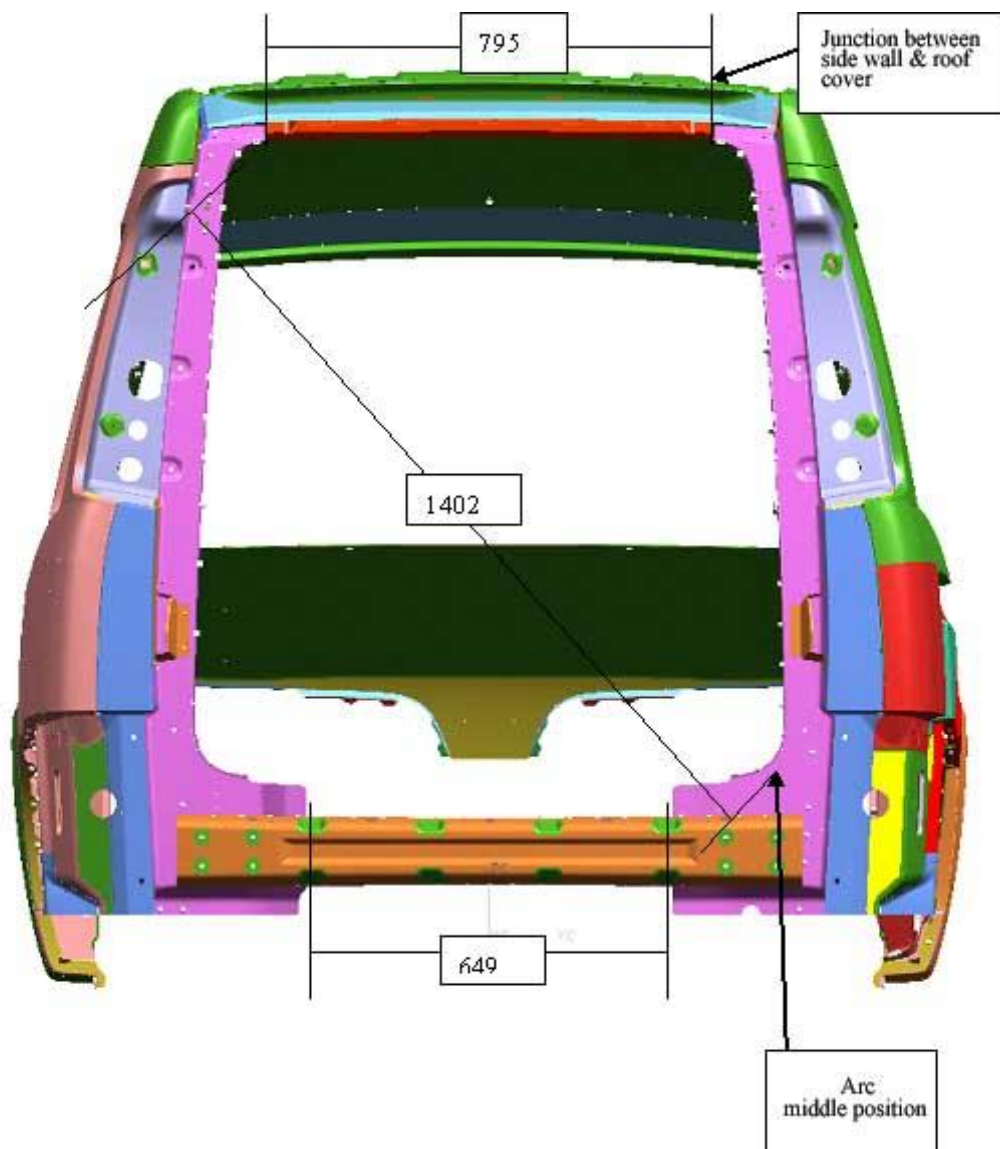
3.6 Gap between P5-P5 side wall, D pillar and rear trunk door separately is: $0\pm1\text{mm}$; $6\pm2\text{mm}$



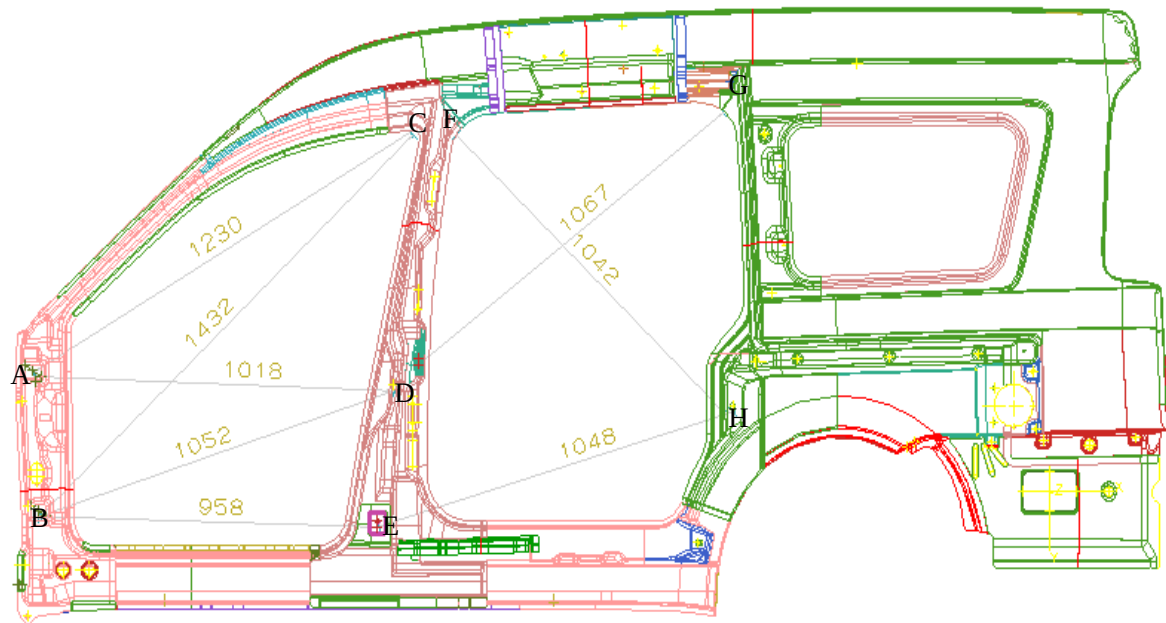
III. Engine room dimension



IV. Windscreen dimension



V. Open size dimension of each part



Carbody dimension, left--right

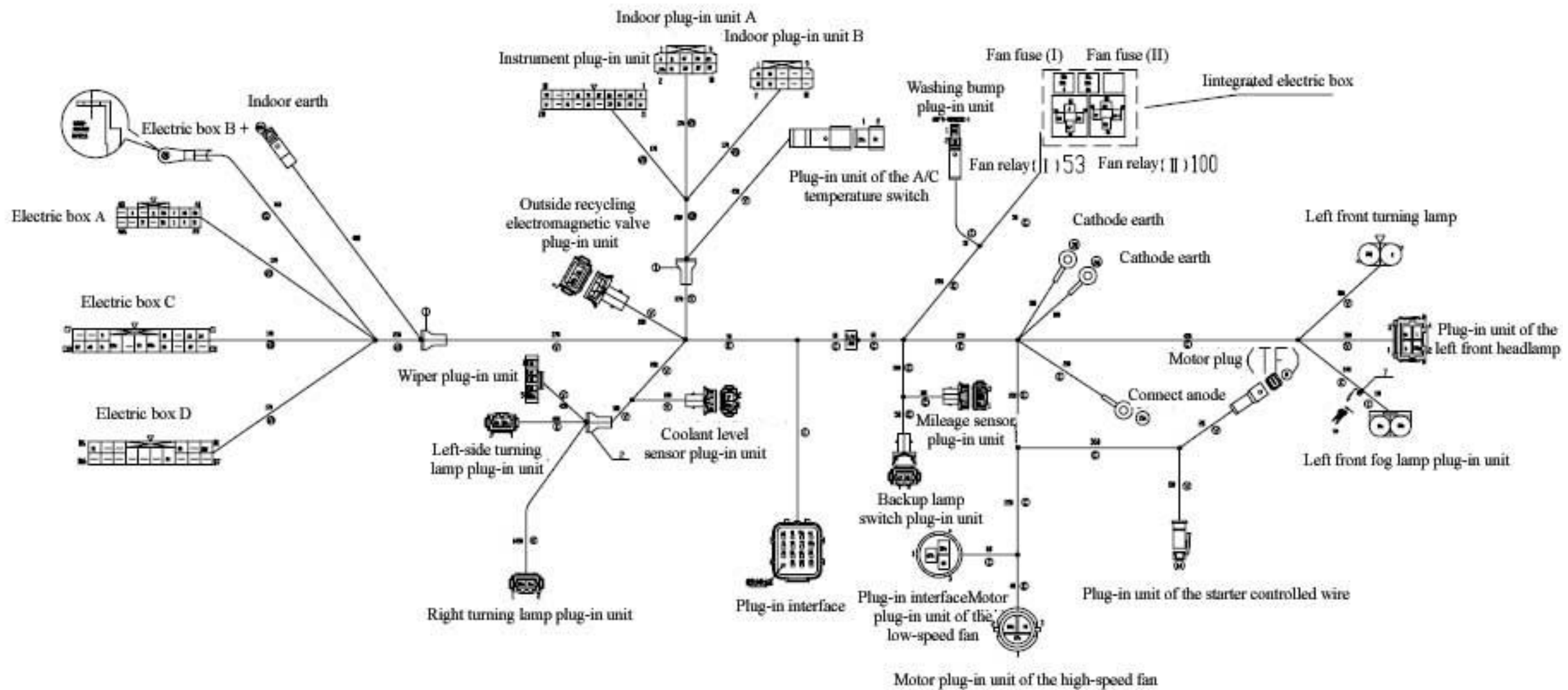
Notice: English letter symbol's capital letters express the right side of the carbody, and small letters express the left side of the carbody

Symbol	Name	Aperture	Symbol	Name	Aperture
Aa	Assembly point of the front door's upper hinge		F	Rear door guide way front upper corner at the point of the side wall	
Bb	Assembly point of the front door's down hinge		G	Rear door guide way rear upper corner at the point of the side wall	
Cc	Front door upper corner at the point of the side wall		H	Assembly hole of the rear door lock	18×18
Dd	Lock pillar assembly hole of the front door	18.5×20			
E	Front door connector assembly hole	25			

Chapter XI Disassembly & Assembly of the Wiring Harness

Section I Wiring Harness of the Left Front Compartment

I. Wiring harness sketch



II. Main plug-in units explanation

Name of plug-in unit	Pin No.	Origin
Electric box A plug-in unit	1	Instrument plug-in unit
	2	Instrument plug-in unit
	3	Instrument plug-in unit
	4	Outside recycling electromagnetic valve plug-in unit
	5	Indoor plug-in unit
	6	—
	7	Left front turning signal lamp
	8	—
	9	Indoor plug-in unit
	10	Indoor plug-in unit
	11	Left front headlamp
	12	Left front headlamp
	13	Taxi plug-in unit
	14	Indoor plug-in unit
	15	Indoor plug-in unit
	16	—
Electric box C plug-in unit	1	Wiper plug-in unit
	2	Indoor plug-in unit
	3	—
	4	Indoor plug-in unit
	5	Left front headlamp
	6	—
	7	—
	8	Indoor plug-in unit
	9	A/C humidity switch
	10	—
	11	Wiper plug-in unit
	12	Low-speed fan
	13	High-speed fan
	14	—
	15	Earth
	16	Wiper motor
	17	Plug-in unit of the backup lamp
	18	Plug-in unit of the mileage sensor
Electric box D plug-in unit	1	Earth
	2	—
	3	Central plug-in unit (Fuel pump, A/C control)

	4	—
	5	—
	6	Instrument jointing the plug-in unit
	7	—
	8	—
	9	—
	10	Plug-in unit of the starter controlled wire
	11	—
	12	—
	13	—
	14	—
	15	—
	16	—
Instrument plug-in unit	1	Connect anode
	2	Central plug-in unit (Fuel pump, A/C control)
	3	Central plug-in unit
	4	Plug-in unit of the electric box A
	5	Plug-in unit of the wiper
	6	Plug-in unit of the electric box D
	7	Plug-in unit of the mileage sensor
	8	Plug-in unit of the electric box A
	9	—
	10	Electric box
	11	Instrument jointing the plug-in unit
	12	Central plug-in unit (Fuel pump & A/C control)
	13	Plug-in unit of the wiper
	14	Central plug-in unit (Fuel pump & A/C control)
	15	—
	16	Wiper motor
	17	—
	18	Central plug-in unit (Fuel pump & A/C control)
	19	—
	20	Coolant temperature sensor
Indoor plug-in unit's plug-in unit A	1	Plug-in unit of the electric box A
	2	Instrument jointing the plug-in unit
	3	Plug-in unit of the electric box A
	4	Plug-in unit of the electric box A
	5	Plug-in unit of the backup lamp switch
	6	Central plug-in unit (Fuel pump & A/C control)
	7	Plug-in unit of the fan control
	8	Electric box
	9	Central plug-in unit (Fuel pump & A/C control)
	10	A/C humidity switch

Indoor plug-in unit's plug-in unit B		1	Plug-in unit of the electric box C
		2	Plug-in unit of the electric box A
		3	Plug-in unit of the electric box C
		4	Plug-in unit of the fan control
		5	—
		6	—
		7	—
		8	—
		9	—
		10	—
A/C controlled switch plug-in unit		1	Electric box
		2	Indoor jointing plug-in unit
Outside recycling electromagnetic valve plug-in unit		1	Plug-in unit of the electric box A
		2	Earth
Coolant level sensor plug-in unit		1	Earth
		2	Instrument jointing plug-in unit
Wiper plug-in unit		1	Instrument jointing plug-in unit
		2	Instrument jointing plug-in unit
		3	Instrument jointing plug-in unit
		4	Plug-in unit of the electric box D
		5	Earth
Left side turning lamp plug-in unit		1	Earth
		2	Plug-in unit of the electric box A
Right side turning lamp plug-in unit		1	Earth
		2	Plug-in unit of the electric box A
Interface jointing socket		1	Integrated electric box
		2	Instrument jointing plug-in unit
		3	Plug-in unit of the electric box C
		4	Instrument plug-in unit
		5	Integrated electric box
		6	Instrument plug-in unit
		7	Integrated electric box
		8	Instrument plug-in unit
		9	Instrument plug-in unit
		10	Instrument jointing plug-in unit
		11	Plug-in unit of the electric box D
		12	Instrument plug-in unit
		13	Instrument plug-in unit
		14	Instrument plug-in unit
		15	Instrument plug-in unit
		16	—
Integrated electric box	Fan fuse（I）	1	Electric box B+
		2	Integrated electric box

	Fan fuse （Ⅱ）	1	Electric box B+
		2	Integrated electric box
	Fan relay （Ⅰ）	1	Central plug-in unit
		2	Plug-in unit of the fan control
		3	Integrated electric box
		4	Integrated electric box
	Fan relay （Ⅱ）	1	Plug-in unit of the fan control
		2	Central plug-in unit
		3	Integrated electric box
		4	Low-speed fan
Washing bump plug-in unit		1	Plug-in unit of the electric box C
		2	Instrument jointing the plug-in unit
Mileage sensor plug-in unit		1	Instrument jointing the plug-in unit
		2	Earth
		3	Plug-in unit of the electric box C
Backup lamp switch plug-in unit		1	Indoor jointing the plug-in unit
		2	Plug-in unit of the electric box C
Motor plug		1	Instrument plug-in unit
Starter controlled wire plug-in unit		1	Electric box
Plug-in unit of the low-speed fan motor		1	Integrated electric box
		2	Earth
		3	Integrated electric box
Plug-in unit of the high-speed fan motor		1	Integrated electric box
		2	Earth
		3	Plug-in unit of the electric box C
Left turning signal lamp		1	Earth
		2	Plug-in unit of the electric box A
Left front headlamp		1	Plug-in unit of the electric box C
		2	Plug-in unit of the electric box A
		3	Earth
		4	Plug-in unit of the electric box A
Left front fog lamp		1	Instrument jointing the plug-in unit
		2	Earth

III. Disassembly & assembly of the left front compartment

Part No.: A18-3724280

(I).Preparation

Tools:

Socket wrench 8#, 10#, 13#, Phillips screwdriver, slotted screwdriver,

(II).Attentions

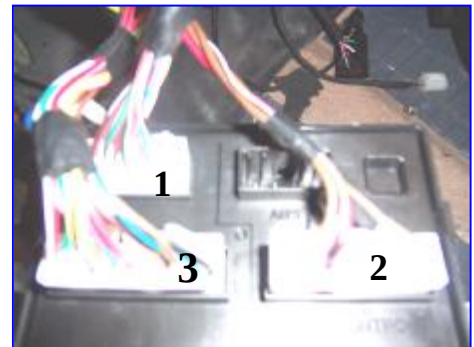
Firstly cutting the power is a must before disassemble electric components & wiring harness
The ignition switch must be in a close state.

(III).Disassembly steps

1. Disassemble the positive electrode of the electric box with the socket wrench 10#



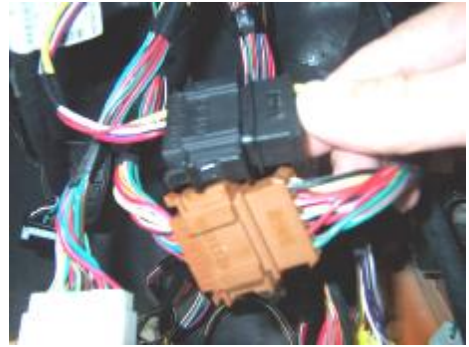
2. Please take out the plug-in units of the electric box 1, 2 & 3



3. Please take out the earthed plug-in unit indoor
Notice: This earth is located below the left A pillar and left side of the pedal



4. Please take out 2 plug-in units with the inside door



5. Take out the plug-in unit connecting with the instrument wiring harness



6. Please take out the plug-in unit with the temperature switch of the air conditioner



7. Please take out the fan fuse & fan relay box



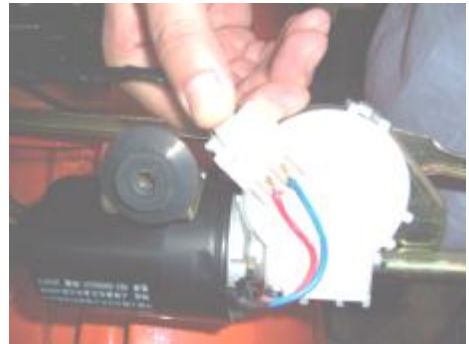
8. Please take out the sensor plug-in unit of the coolant level



9. Please take out the plug-in unit washing pump



10. Take out the plug-in unit of the windshield wiper



11. Please take out plug-in units of the low & high speed fans



12. Please take out plugs of the motor with the wrench 13# & 8#



13. Please take out the plug-in unit of the outside cycling electromagnetic valve



14. Please take out the plug-in unit of the starter controlled wire



15. Please disassemble the earthed wire of the negative electrode with the wrench 10#
Attention: The earthed wire of the negative electrode is located at the left side of the accumulator.



16. Please take out the switch plug-in unit of the backup lamp



17. Please take out the plug-in unit with the mileage sensor



18. Please take out the plug-in unit of the left side turning lamp



19. Please take out the plug-in unit of the right side turning lamp



20. Please take out the plug-in unit of the left headlamp



21. Please lift the car with the lifting jack

22. Please take out the plug-in unit of the left front fog lamp from the underside of the front bumper



23. Please take out the plug-in unit with the electrical spray harness_of the engine



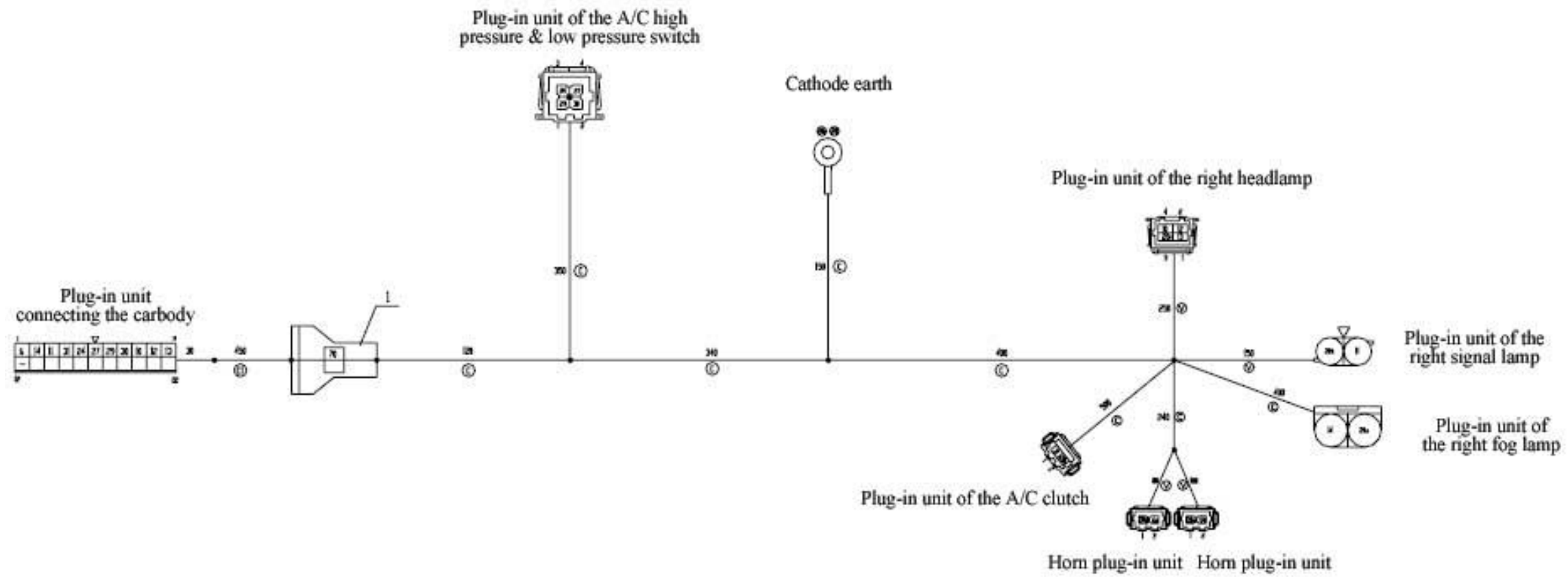
24. Take out the wiring harness assembly of the left front compartment

(III).Assembly steps

Assemble according to the inverted sequence of the disassembly

Section II Wiring Harness of the Front Compartment

I. Wiring harness sketch



II. Main plug-in units explanation

Name of plug-in unit	Pin No.	Origin
Plug-in unit connecting carbod	1	Plug-in unit connecting carbod
	2	Right fog lamp
	3	Right signal lamp
	4	Plug-in unit of the A/C clutch
	5	Switch of the A/C high pressure & low pressure
	6	Switch of the A/C high pressure & low pressure
	7	Switch of the A/C high pressure & low pressure
	8	Switch of the A/C high pressure & low pressure
	9	Right front headlamp
	10	Right front headlamp
	11	Right front headlamp
	12	—
	13	—
	14	—
	15	—
	16	—
	17	—
	18	—
	19	—
	20	—
	21	—
	22	—
Plug-in unit of the A/C high pressure & low pressure switch	1	Plug-in unit connecting carbod
	2	Plug-in unit connecting carbod
	3	Plug-in unit connecting carbod
	4	Plug-in unit connecting carbod
Right front headlamp	1	Plug-in unit connecting carbod
	2	Plug-in unit connecting carbod
	3	Earth
	4	Plug-in unit connecting carbod
Plug-in unit of the right signal lamp	1	Earth
	2	Plug-in unit connecting carbod
Plug-in unit of the right fog lamp	1	Plug-in unit connecting carbod
	2	Earth
Horn plug-in unit (2 pcs.)	1	Earth
	2	Plug-in unit connecting carbod
Plug-in unit of the A/C clutch	1	Plug-in unit connecting carbod
	2	Earth

III. Disassembly & assembly of the right front compartment wiring harness

Part No.: A18-3724290

(I).Preparation

Tools:

Ring wrench 10#, Phillips screwdriver, slotted screwdriver

(II).Attentions

Firstly cutting the power is a must before disassemble electric components & wiring harness

The ignition switch must be in a close state.

(III).Disassembly steps

1. Please take out the plug-in unit of the right turning lamp



2. Please use the lifter to lift the car

3. Please take out the plug-in unit of the right front fog lamp from the underside of the front bumper



4. Please take out the plug-in unit of the right headlamp



5. Please take out the plug-in unit with the horn from the under side of the front bumper



6. Please take out the plug-in unit of the air conditioner clutch



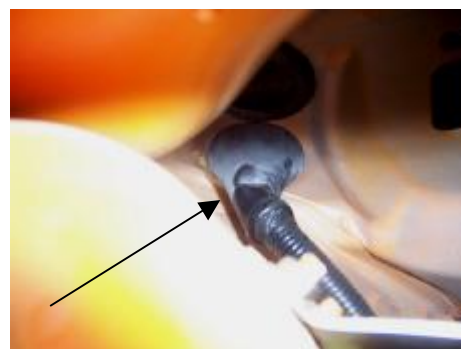
7. Please disassemble the negative electrode earthed wire at the right side with the wrench 10#



8. Please take out the plug-in unit of the air conditioner high pressure & low pressure switch



9. Please take out the rubber protective cover



10. Please take out the plug-in unit with the wiring harness of the inside floor and take out the wiring harness assembly of the right front compartment

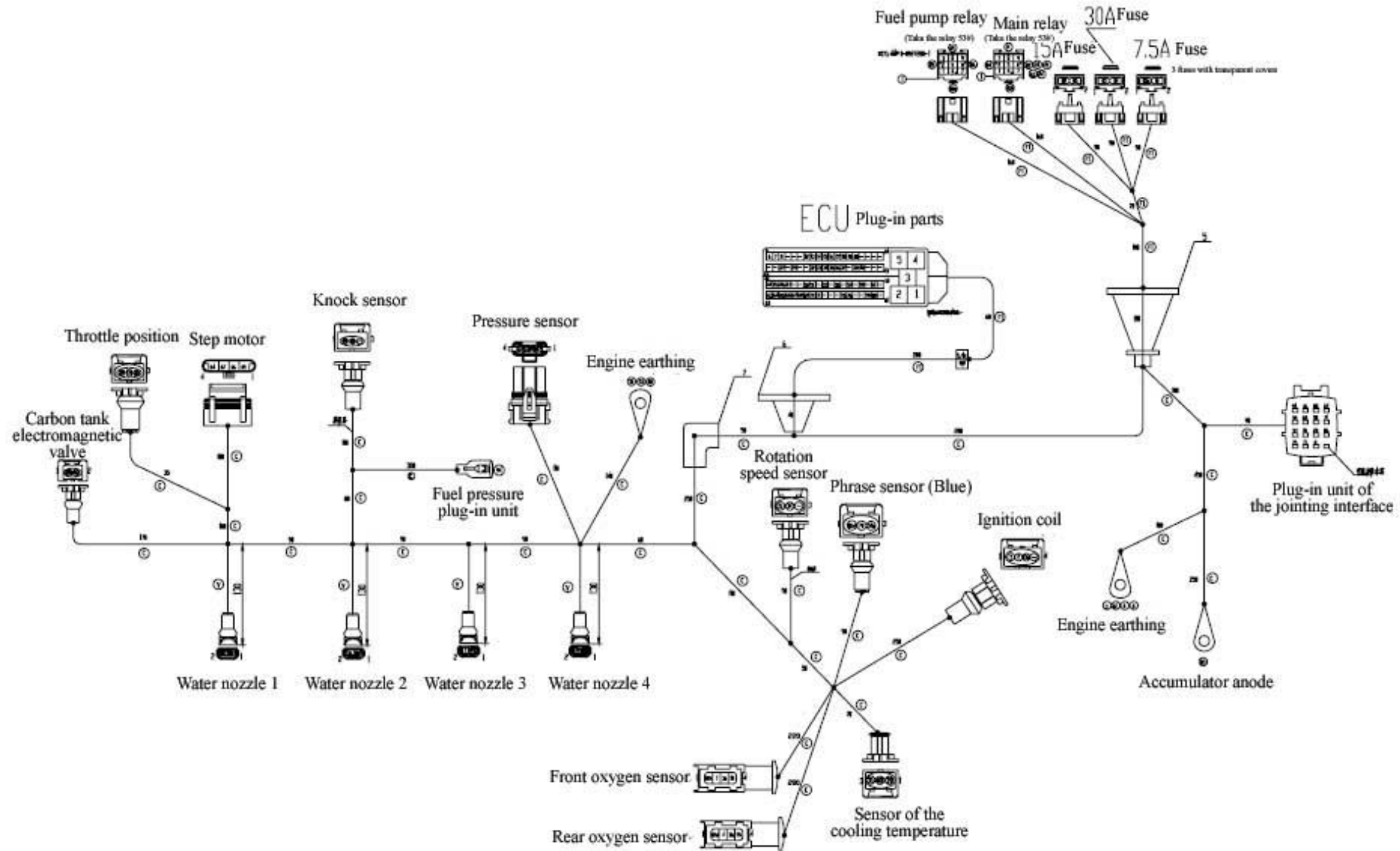


(IV).Assembly steps

Assemble according to the inverted sequence of the disassembly

Section III Electrical Spray Wiring Harness of the Engine

I. Wiring harness sketch



II. Main plug-in units explanation

Name of plug-in unit	Pin No.	Origin
Plug-in unit of carbon tank electromagnetic valve	1	Main relay
	2	ECU
Plug-in unit of throttle position	1	ECU
	2	Pressure sensor
	3	ECU
Plug-in unit of stepper motor	1	ECU
	2	ECU
	3	ECU
	4	ECU
Plug-in unit of the nozzle 1	1	Main relay
	2	Main relay
Plug-in unit of the nozzle 2	1	Main relay
	2	ECU
Plug-in unit of the nozzle 3	1	Main relay
	2	ECU
Plug-in unit of the nozzle 4	1	Main relay
	2	ECU
Shock sensor	1	ECU
	2	ECU
	3	—
Pressure sensor	1	ECU
	2	ECU
	3	ECU
	4	ECU
Rotation speed sensor	1	ECU
	2	ECU
	3	—
Phrase sensor	1	Main relay
	2	ECU
	3	ECU
Ignition	1	ECU
	2	ECU
	3	ECU
	4	—
Oxygen sensor (2)	1	Main relay
	2	ECU
	3	ECU
	4	ECU
Main relay	1	—

	2	Main relay
	3	—
	4	Main relay
	5	—
	6	Accumulator anode
	7	—
	8	Fuse
	9	—
Fuel pump relay	1	—
	2	Fuse
	3	—
	4	ECU
	5	—
	6	Main relay
	7	—
	8	Plug-in unit of the fuel pump & A/C
	9	—
15A fuse	1	Main relay
	2	Fuel pump relay
30A fuse	1	Accumulator anode
	2	Main relay
7.5A fuse	1	Accumulator anode
	2	ECU
Interface plug	1	plug-in unit if the machine fuel pressure
	2	ECU
	3	Plug-in against theft & of the speed signal
	4	Plug-in against theft & of the speed signal
	5	ECU
	6	ECU
	7	ECU
	8	ECU
	9	ECU
	10	ECU
	11	Plug-in unit of the fuel pump & A/C
	12	Plug-in unit of the fuel pump & A/C
	13	ECU
	14	Plug-in unit of the fuel pump & A/C
	15	Plug-in unit of the fuel pump & A/C
	16	—

III. Disassembly & assembly of the engine wiring harness

Part No.: A18-3724180BA

(I).Preparation

Tools:

Socket wrench 10#, Phillips screwdriver, slotted screwdriver

(II).Attention

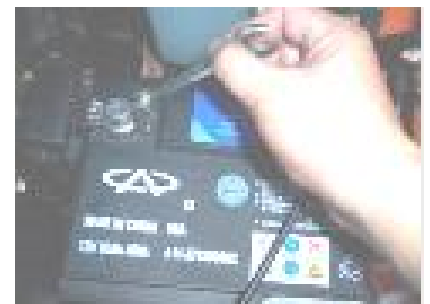
Firstly cutting the power is a must before disassemble electric components & wiring harness.

The ignition switch must be in a close state.

(III).Disassembly steps

3.1. Please open the front compartment firstly

3.2. Disassemble the connecting wire with the positive electrode of the accumulator with the wrench 10#



3.3. Please disassemble ECU protective cover and take out the plug-in unit with ECU



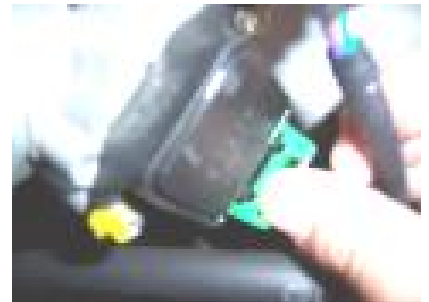
3.4. Please take out the plug-in unit with the pressure sensor or the air intake



3.5. Take out the plug-in unit with the stepper motor



3.6. Take out the plug-in unit with the throttle



3.7. Take out the plug-in unit with the ignition coil



3.8. Take out the plug-in unit with the phase sensor



3.9. Take out the plug-in unit with the cooling temperature sensor



3.10. Take out the plug-in unit with the fuel nozzle



3.11. Please use the lifter to lift the car

3.12. Take out the plug-in unit with the pressure switch of the fuel



3.13. Please take out the plug-in unit with the rotational speed sensor

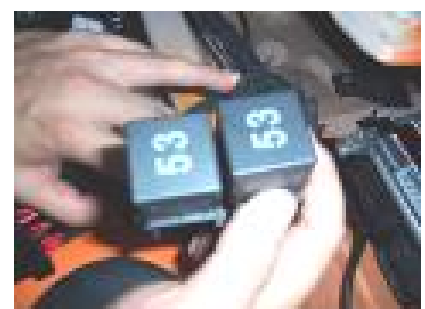


3.14. Please take out 3 plug-in units of the fuse



3.15. Please take out the plug-in units with the main relay & fuel pump relay

Attention: Plug-in units of 2 relays are the same



3.16. Take out the plug-in unit with the electromagnetic valve of the carbon tank



3.17. Please raise the lifter to lift the car

Please take out the earthed wire with the engine with the wrench 13#

Notice: This earthed wire position is located below the starter



3.18. Disassemble the earthed wire with the engine with the wrench 13#

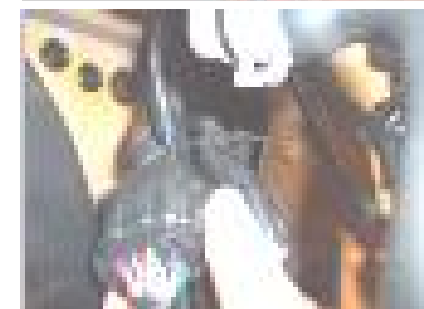
Notice: This earthed wire is located below the 4th cylinder fuel nozzle



3.19. Please take out the plug-in unit with the rear oxygen sensor



3.20. Please take out the plug-in unit of the wiring harness.
Take out the wiring harness assembly of the engine.

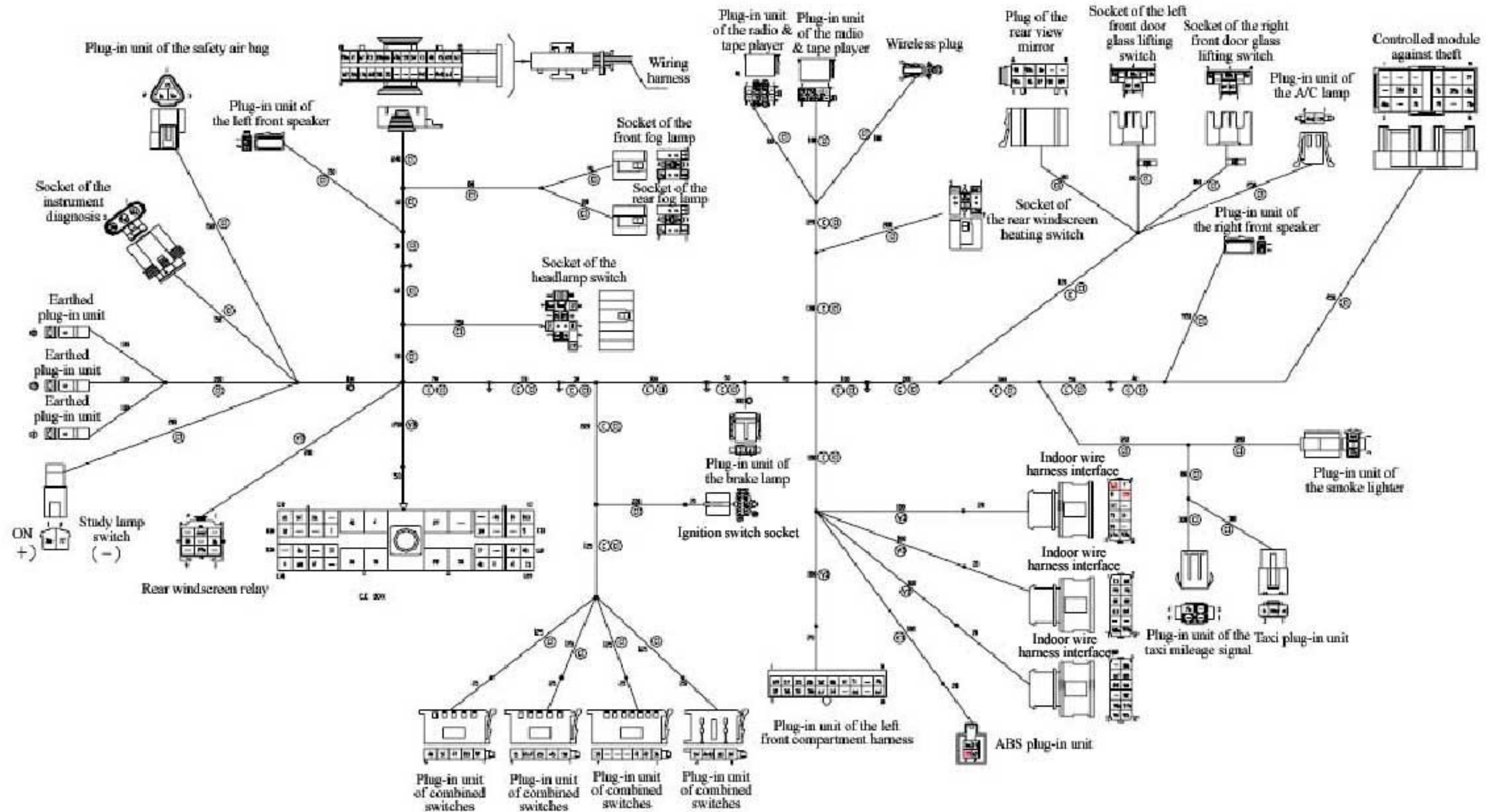


(IV).Assembly steps

1. Assembly according to the inverted sequence of the disassembly;
2. Bolts with the self-locking function during the process of the disassembly must be changed;

Section IV Wiring Harness of the Instrument

I. Wiring harness sketch



II. Main plug-in units explanation

S/N	Plug-in unit	Pin No.	Connecting	Remark
1	Socket of the instrument diagnosis	3	Diagnostic instrument	
2	Socket of the safety air bag	3	Safety bag	
3	Plug-in unit of the left front speaker	2	Left front speaker	
4	Plug-in unit of combined instruments	28	Combined instruments	
5	Socket of the front fog switch	5	Front fog switch	
6	Socket of the rear fog switch	5	Rear fog switch	
7	Socket of the headlamp switch	11	Headlamp switch	
8	Plug-in unit of radio & tape player	8	Radio & tape player	
9	Plug-in unit of radio & tape player	8	Radio & tape player	
10	Antenna plug-in unit	2	Antenna plug-in unit	
11	Socket of the rear windscreen heating switch	5	Rear windscreen heating switch	
12	Plug-in unit of the rear view mirror switch	10	Rear view mirror switch	
13	Socket of the left front door glass lifting switch	5	Left front door glass lifting switch	
14	Socket of the right front door glass lifting switch	5	Right front door glass lifting switch	
15	Plug-in unit of A/C lamp	2	A/C lamp	
16	Plug-in unit of the right front speaker	2	Right front speaker	
17	Plug-in unit of the controlled module against theft	18	Controlled module against theft	
18	Plug-in unit of the smoke lighter	3	Smoke lighter	
19	Plug-in unit of the Taxi	3		
20	Plug-in unit of the taxi mileage signal	4		
21	Interface of the indoor harness	12	indoor harness	
22	Interface of the indoor harness	12	indoor harness	
23	Interface of the indoor harness	12	indoor harness	
24	ABS plug-in unit	4	ABS controller	
25	Left compartment harness interface	20	Left compartment harness	
26	Plug-in unit of the brake lamp switch	2	brake lamp switch	
27	Plug-in unit of the ignition switch		the ignition switch	
28	Plug-in unit of the combined switches	5	Combined switches	
29	Plug-in unit of the combined switches	5	Combined switches	
30	Plug-in unit of the combined switches	7	Combined switches	
31	Plug-in unit of the combined switches	4	Combined switches	
32	Plug-in unit of the instrument relay	40	Relay box	
33	Plug-in unit of the rear windscreen relay	9	rear windscreen relay	
34	Plug-in unit of study switch	2		
35	earthed plug-in unit	1	Carbody	
36	earthed plug-in unit	1	Carbody	
37	earthed plug-in unit	1	Carbody	

III. Disassembly & assembly of the instrument wiring harness

Part No.: A18-3724030

(I).Preparation

Tools: Socket wrench, Phillips screwdriver, slotted screwdriver

(II) .Attentions

Cutting the power is a must when disassembling the electric components & wiring harness

(III).Disassembly steps

1. Disassemble the instrument panel (See the disassembly of the instrument panel).
2. Take out the plug of the instrument relay (Firstly unscrew fixing bolts at the center of the relay plug with the socket wrench).



3. Take out other plug-in units of the instrument wiring harness



3. Take out the 3 earthed plug-in units; take out the instrument wiring harness assembly.

Notice: This earth is located below the left A pillar and left side of the pedal.

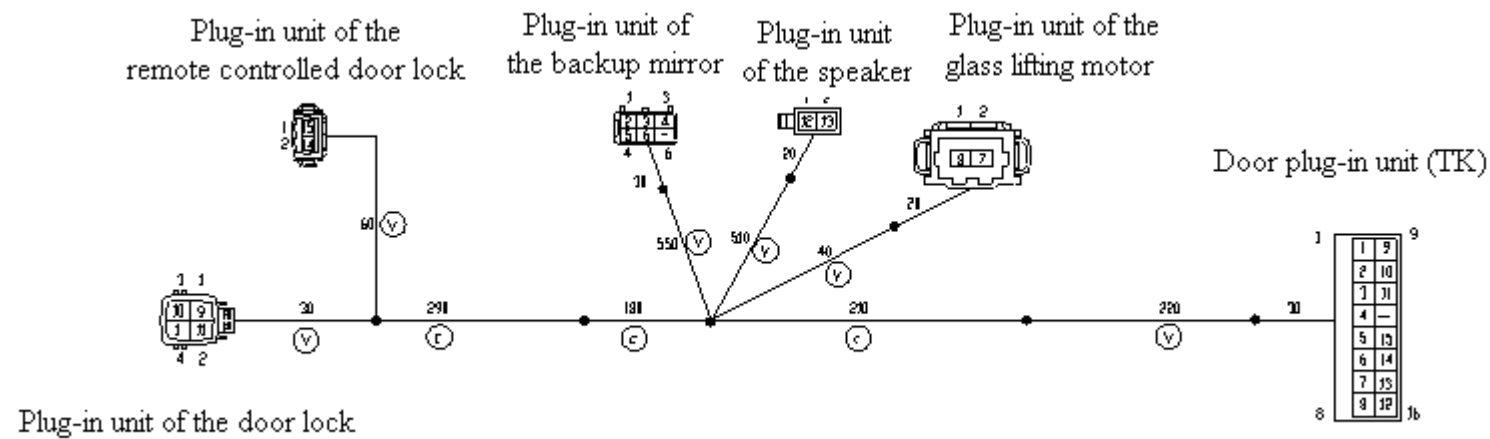


(IV).Assembly steps

Assemble according to the inverted sequence of the disassembly

Section V Wiring Harness of the left front door

I. Wiring harness sketch



II. Main plug-in units explanation

Name of plug-in unit	Pin No.	Origin
Plug-in unit of the door stop	1	Door plug-in unit TK
	2	Door plug-in unit TK
	3	Door plug-in unit TK
	4	Door plug-in unit TK
Plug-in unit of the remote controlled door stop	1	Door plug-in unit TK
	2	Door plug-in unit TK
Plug-in unit of the backup mirror	1	Door plug-in unit TK
	2	Door plug-in unit TK
	3	Door plug-in unit TK
	4	Door plug-in unit TK
	5	Door plug-in unit TK
	6	Door plug-in unit TK
Plug-in unit of the speaker	1	Door plug-in unit TK
	2	Door plug-in unit TK
Plug-in unit of the glass lifting motor	1	Door plug-in unit TK
	2	Door plug-in unit TK
Door plug-in unit (TK)	1	Door stop plug-in unit
	2	Plug-in unit of the backup mirror
	3	Plug-in unit of the backup mirror
	4	Plug-in unit of the backup mirror
	5	Plug-in unit of the backup mirror
	6	Plug-in unit of the backup mirror
	7	Plug-in unit of the glass lifting motor
	8	Plug-in unit of the glass lifting motor
	9	Plug-in unit of the door stop
	10	Plug-in unit of the door stop
	11	Plug-in unit of the door stop
	12	—
	13	Plug-in unit of the door stop
	14	Plug-in unit of the door stop
	15	Plug-in unit of the speaker
	16	Plug-in unit of the speaker

III. Disassembly & assembly of the wiring harness of the left front door

Part No.: **A18-3724070**

(I).Preparation

Tools: Phillips screwdriver, slotted screwdriver

(II).Attentions

Firstly cutting the power is a must before disassemble electric components & wiring harness.

The ignition switch must be in a close state.

(III).Disassembly steps

1. Please disassemble the inside shield of the door firstly (Notice: See the disassembly & assembly of the left front door)
2. Please take out the plug-in unit with the wiring harness of the inside floor



3. Please take out the plug-in unit with the glass lifting motor
(Notice: Selecting device)



4. Take out the plug-in unit with the speaker



5. Please take out the plug-in unit with the exterior rear view mirror
(Notice: Selecting device)



6. Please take out the plug-in unit with the remote controlled door stop
(Notice: Selecting device)



7. Please take out the plug-in unit with the door stop
(Notice: Selecting device)



8. Disassemble the wire clip & protective cover and the wiring harness of the left front door can be taken out

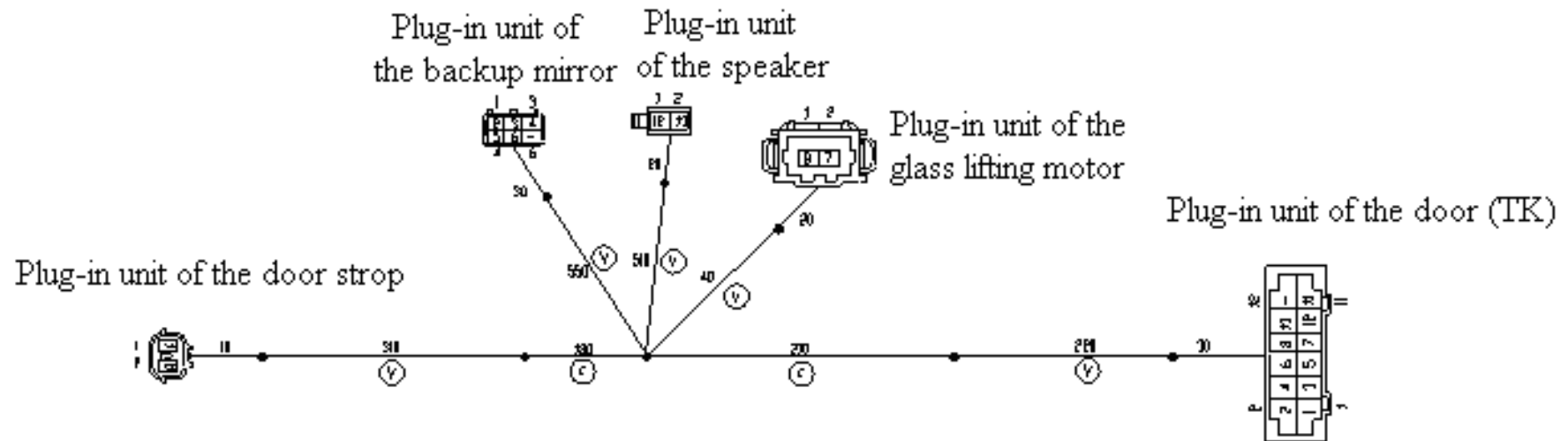


(IV).Assembly steps

Assemble according to the inverted sequence of the disassembly

Section VI Wiring Harness of the Right Front Door

I. Wiring harness sketch



II. Main plug-in units explanation

Name of plug-in unit	Pin No.	Origin
Plug-in unit of the door stop	1	Plug-in unit of the door: TK
	2	Plug-in unit of the door: TK
Plug-in unit of the backup mirror	1	Plug-in unit of the door: TK
	2	Plug-in unit of the door: TK
	3	Plug-in unit of the door: TK
	4	Plug-in unit of the door: TK
	5	Plug-in unit of the door: TK
	6	Plug-in unit of the door: TK
Plug-in unit of the speaker	1	Plug-in unit of the door: TK
	2	Plug-in unit of the door: TK
Plug-in unit of the glass lifting motor	1	Plug-in unit of the door: TK
	2	Plug-in unit of the door: TK
Plug-in unit of the door	1	Plug-in unit of the door stop
	2	Plug-in unit of the backup mirror
	3	Plug-in unit of the backup mirror
	4	Plug-in unit of the backup mirror
	5	Plug-in unit of the backup mirror
	6	Plug-in unit of the backup mirror
	7	Plug-in unit of the glass lifting motor
	8	Plug-in unit of the glass lifting motor
	9	Plug-in unit of the speaker
	10	Plug-in unit of the speaker
	11	Plug-in unit of the door stop
	12	—

III. Disassembly & assembly of the wiring harness of the right front door

Part No.: **A18-3724080**

(I).Preparation

Tools:

Phillips screwdriver, slotted screwdriver

(II).Attentions

Firstly cutting the power is a must before disassemble electric components & wiring harness

The ignition switch must be in a close state.

(III).Disassembly steps

1. Please first disassemble the door shield of the right front door
2. Please take out the plug-in unit with the speaker



3. Take out the plug-in unit with the exterior rear view mirror



4. Please take out the plug-in unit of the glass lifting motor



5. Please take out the wiring harness with the lock-stop



6. Please take out the plug-in unit with the wiring harness of the inside floor



7. Disassemble the wiring clip & dust-proof cover and take out the wiring harness of the right front door

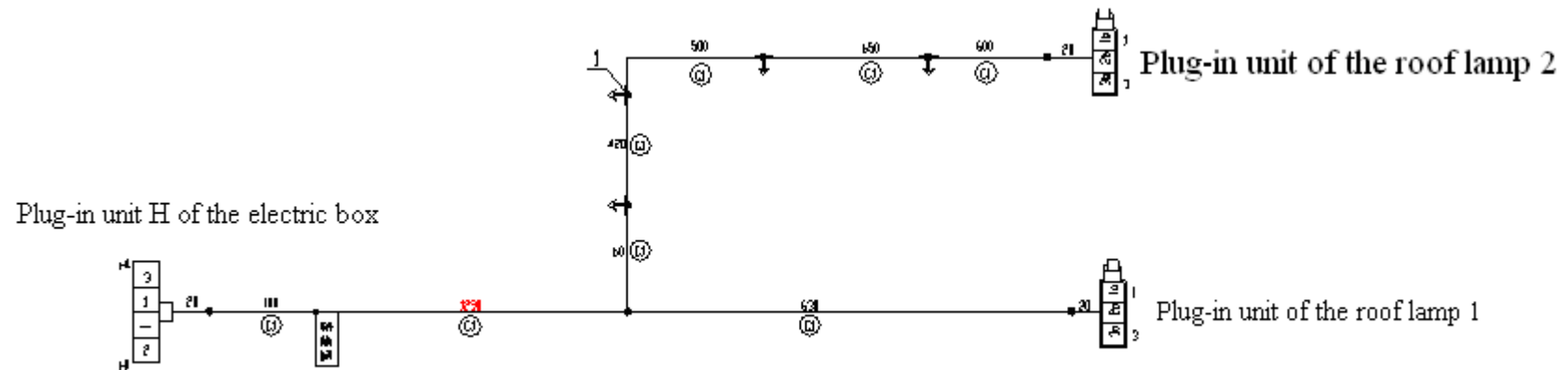


(IV).Assembly steps

Assemble according to the inverted sequence of the disassembly

Section VII Roof Wiring Harness

I. Wiring harness sketch



II. Main plug-in units explanation

Name of plug-in unit	Pin No.	Origin
Plug-in unit H of the electric box	1	Roof plug-in unit 2
	2	—
	3	Roof plug-in unit 2
	4	Roof plug-in unit 2
Roof plug-in unit 1	1	Roof plug-in unit 2
	2	Roof plug-in unit 2
	3	Roof plug-in unit 2
Roof plug-in unit 2	1	Plug-in unit H of the electric box
	2	Plug-in unit H of the electric box
	3	Plug-in unit H of the electric box

III. Disassembly & assembly of the roof wiring harness

Part No.: **A18-3724370**

(I).Preparation

Tools:

Socket wrench, Phillips screwdriver, slotted screwdriver

(II).Attentions

Firstly cutting the power is a must before disassemble electric components & wiring harness.

The ignition switch must be in a close state.

(III).Disassembly steps

- 1、 Please take out the plug-in unit with H stand of the central electric box



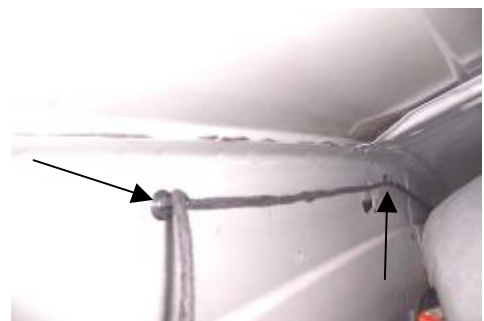
2. Take out the plug-in unit with the front ceiling lamp of the cab



3. Please take out the plug-in unit with the wiring harness of the rear ceiling lamp



4. Disassemble the roof (See the disassembly & assembly of the roof)

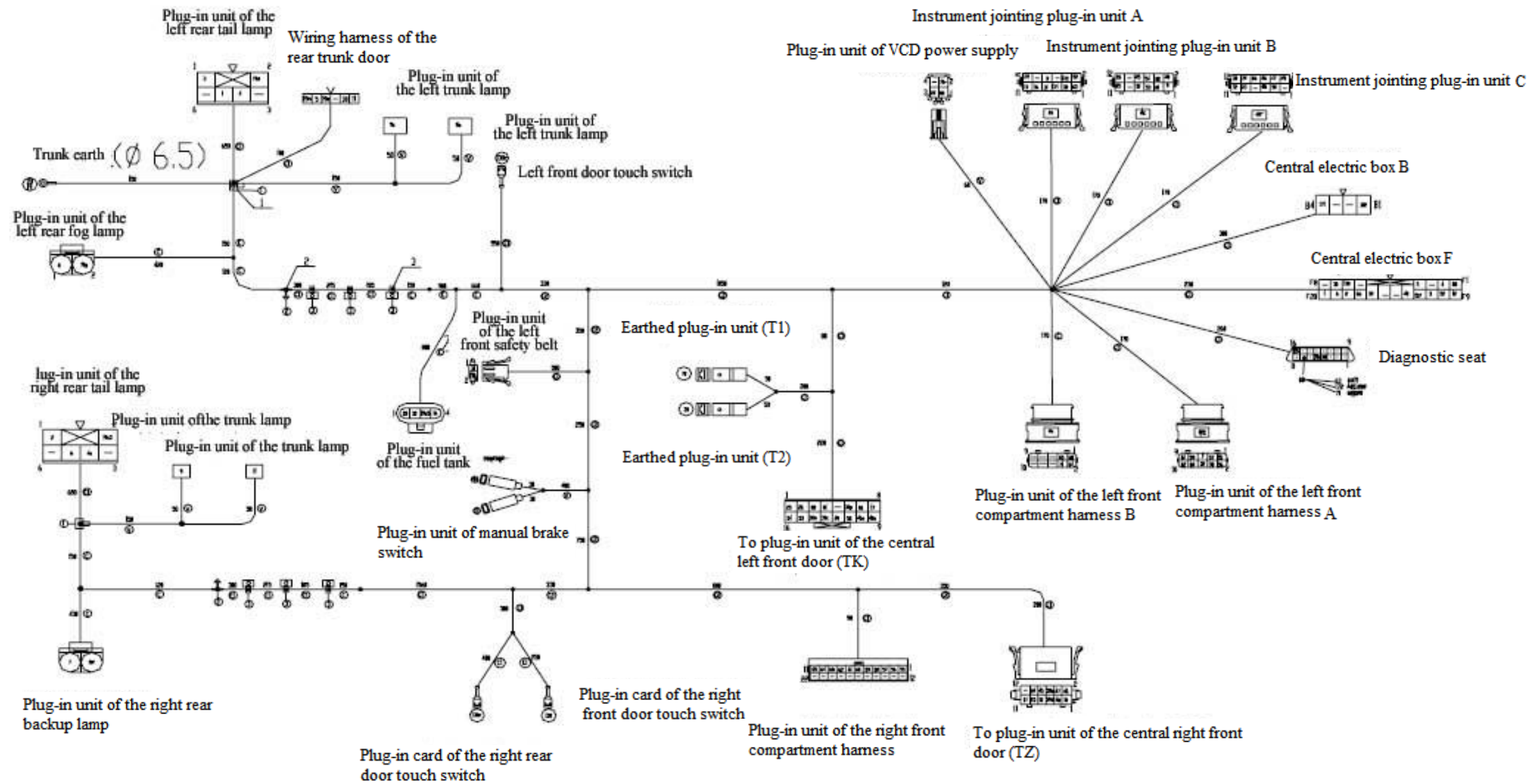


5. Disassemble the wiring clips and take out the wiring harness of the roof

(IV).Assembly steps

Assemble according to the inverted sequence of the disassembly

Section VIII Wiring Harness Inside Floor



II. Main plug-in units explanation

Name of plug-in unit	Pin No.	Origin
Plug-in unit of the left rear tail lamp	1	Central electric box
	2	Trunk earth
	3	—
	4	Central electric box
	5	Central electric box
	6	—
To the rear trunk door harness	1	Trunk earth
	2	Central electric box
	3	Plug-in card of the trunk lock
	4	—
	5	Instrument jointing plug-in unit
	6	Plug-in card of the trunk lock
Plug-in unit of the left trunk lamp	1	Instrument jointing plug-in unit
	2	Plug-in card of the trunk lock
Plug-in unit of the left rear fog lamp	1	Instrument jointing plug-in unit
	2	Trunk earth
Plug-in unit of the fuel tank	1	Trunk earth
	2	Plug-in unit of the left front compartment harness
	3	Trunk earth
	4	Instrument jointing plug-in unit
Plug-in unit of the left front door touch switch	1	Central electric box
Plug-in unit of the left front safety belt	1	Instrument jointing plug-in unit (yellow)
	2	Trunk earth
Plug-in unit of the manual brake switch	1	Trunk earth
	2	Instrument jointing plug-in unit
Plug-in card of the right front door touch switch	1	Central electric box
Plug-in card of the right rear door touch switch	1	Central electric box
Plug-in unit of the right rear tail lamp	1	Central electric box
	2	Trunk earth
	3	—
	4	Central electric box
	5	Central electric box
	6	—
Plug-in unit of the trunk lamp	1	Instrument jointing plug-in unit
	2	Plug-in unit of the trunk lock
Plug-in unit of the right rear backup lamp	1	Plug-in unit of the left compartment harness
	2	Trunk earth
Plug-in unit of the right front compartment	1	Plug-in unit of the left front compartment harness
	2	Plug-in unit of the left front compartment harness

harness	3	Plug-in unit of the left front compartment harness
	4	Plug-in unit of the left front compartment harness
	5	Plug-in unit of the left front compartment harness
	6	Plug-in unit of the left front compartment harness
	7	Plug-in unit of the left front compartment harness
	8	Plug-in unit of the left front compartment harness
	9	Plug-in unit of the left front compartment harness
	10	Plug-in unit of the left front compartment harness
	11	Plug-in unit of the left front compartment harness
	12	—
	13	—
	14	—
	15	—
	16	—
	17	—
	18	—
	19	—
	20	—
	21	—
	22	—
Plug-in unit to the central right front door	1	To the plug of the central left front door
	2	Instrument jointing plug-in unit
	3	Instrument jointing plug-in unit
	4	Instrument jointing plug-in unit
	5	Central electric box
	6	Instrument jointing plug-in unit
	7	Instrument jointing plug-in unit
	8	Instrument jointing plug-in unit
	9	Instrument jointing plug-in unit
	10	Instrument jointing plug-in unit
	11	To the plug of the central left front door
	12	—
Plug-in unit of VCD power supply	1	Central electric box
	2	Trunk earth
	3	Instrument jointing plug-in unit
	4	—
Central electric box A (yellow)	1	Diagnostic interface
	2	Central electric box
	3	Interface to the rear trunk door
	4	Diagnostic interface
	5	Central electric box
	6	Plug-in unit of the left front safety belt
	7	Plug-in unit of the rear fog lamp

	8	Plug-in unit of the fuel tank
	9	Plug-in unit of the trunk lamp
	10	——
	11	Plug-in unit of the manual brake
	12	Plug-in unit of VCD power supply
Central electric box B (black)	1	Plug-in unit of the trunk lamp
	2	Central electric box
	3	To the plug of the central left front door
	4	To the plug of the central left front door
	5	To the plug of the central left front door
	6	To the plug of the central left front door
	7	To the plug of the central left front door
	8	To the plug of the central left front door
	9	——
	10	——
	11	To the plug of the central left front door
	12	To the plug of the central left front door
Central electric box C (green)	1	——
	2	Central electric box
	3	To the plug-in unit of the central left front door
	4	To the plug of the central right front door
	5	To the plug of the central right front door
	6	To the plug of the central right front door
	7	——
	8	Central electric box
	9	To the plug of the central right front door
	10	To the plug of the central right front door
	11	Central electric box
	12	Central electric box
Central electric box B	1	Diagnostic interface
	2	——
	3	——
	4	Instrument jointing plug-in unit
Central electric box F	1	Plug-in unit of VCD power supply
	2	Plug-in unit of the left rear tail lamp
	3	——
	4	To the interface of the rear trunk door
	5	——
	6	Plug-in unit of the right front door touch switch
	7	Instrument jointing plug-in unit
	8	——
	9	Instrument jointing plug-in unit
	10	Instrument jointing plug-in unit

	11	Plug-in unit of the left rear tail lamp
	12	Diagnostic interface
	13	Instrument jointing plug-in unit
	14	——
	15	——
	16	Earth plug-in unit
	17	Instrument jointing plug-in unit
	18	Plug-in unit of the right rear tail lamp
	19	Trunk earth
	20	Plug-in unit of the left rear tail lamp
Diagnostic seat	1	——
	2	——
	3	——
	4	Central electric box
	5	Earthed plug-in unit
	6	——
	7	——
	8	——
	9	——
	10	——
	11	——
	12	——
	13	——
	14	——
	15	——
	16	Instrument jointing plug-in unit
Plug-in unit A of the left front compartment	1	Plug-in unit of the right front compartment harness
	2	Plug-in unit of the right front compartment harness
	3	Plug-in unit of the right front compartment harness
	4	Plug-in unit of the right front compartment harness
	5	Backup lamp plug-in unit
	6	Fuel tank plug-in unit
	7	Plug-in unit of the right front compartment harness
	8	Plug-in unit of the right front compartment harness
	9	Plug-in unit of the right front compartment harness

	10	Plug-in unit of the right front compartment harness
Plug-in unit B of the left front compartment	1	Plug-in unit of the right front compartment harness
	2	Plug-in unit of the right front compartment harness
	3	Plug-in unit of the right front compartment harness
	4	Diagnostic socket
	5	—
	6	—
	7	—
	8	—
	9	—
	10	—

III. Disassembly & assembly of the inside floor wiring harness

Part No.: A18-3724050

(I).Preparation

Tools:

Socket wrench 10# & 17#, connecting rod, ratchet wrench, Phillips screwdriver, slotted screwdriver

(II).Attentions

Firstly cutting the power is a must before disassemble electric components & wiring harness.

The ignition switch must be in a close state.

(III).Disassembly steps

1. Disassemble the assembly of the instrument panel & evaporating tank (See the disassembly & assembly of the instrument panel & evaporating tank), then disassemble seats inside the car (See the disassembly & assembly of the seat) and then totally disassemble internal trim & carpets inside the car

2. Take out the relay box, and take out 2 plug-in units with the wiring harness of the left front compartment Shown as the figure





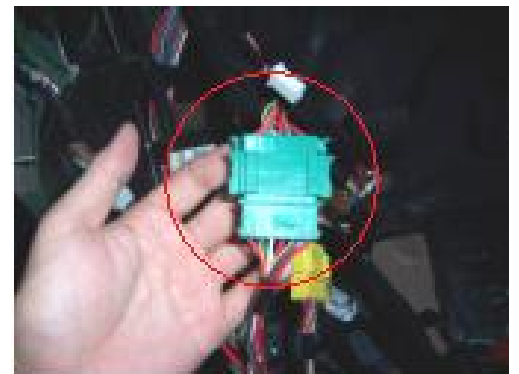
3. Take out the trouble diagnostic interface of the engine



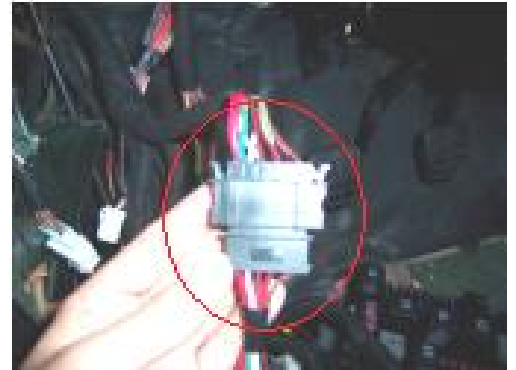
4. Take out 2 plug-in units with A stand & B stand of the central relay box



5. Take out 3 plug-in units connecting with the instrument wiring harness



6. Take out the plug-in unit of the VCD power supply

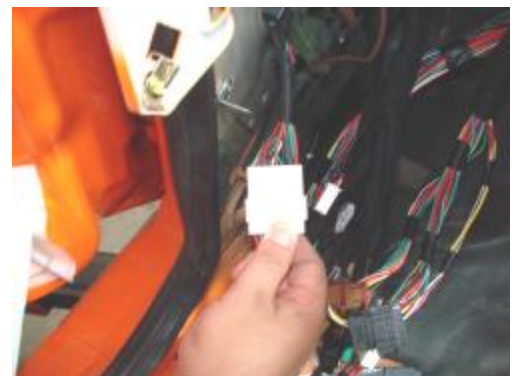


7. Take out the plug-in unit with the wiring harness of the left front door



8. Take out 2 earthed points

Attention: This earth is below the left A pillar and at the left side of the pedal



9. Disassemble the safety belt with the driver seat (See the disassembly of the safety belt)

10. Take out the touch switch with the left front door



11. Take out the plug-in card with the tail trunk lock



12. Unscrew the earthed wire of the trunk with the ring Wrench 10#

Attention: The earth is located below the left trunk



13. Take out the plug-in unit with the left tail lamp



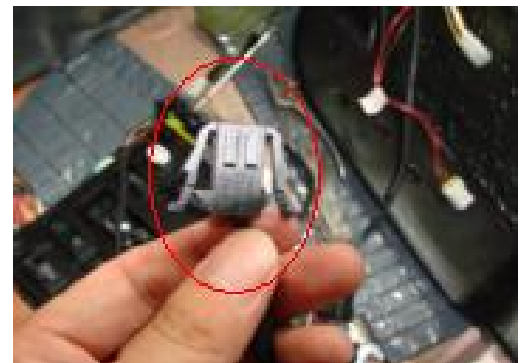
14. Take out the wiring harness interface of the rear trunk door



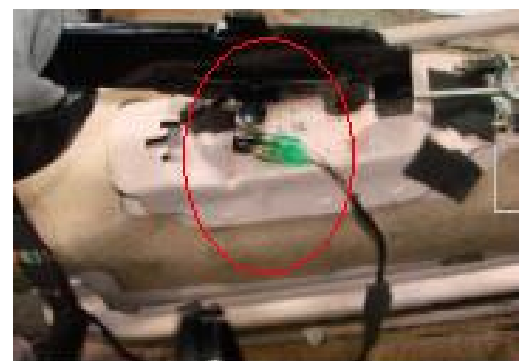
15. Take out the rear bumper (See the disassembly & assembly of the bumper), and then take out the plug-in unit of the fog lamp



16. Take out the plug-in unit with the left safety belt



17. Take out the plug-in unit with the manual brake switch



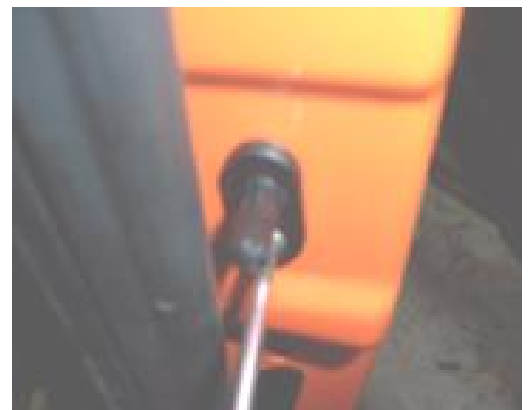
18. Take out the wiring harness plug-in unit with the right front compartment.



19. Take out the plug-in unit connecting with the right front door.



20. Unscrew 2 bolts of the safety with the combined wrench 17# (See the disassembly of the safety belt), then unscrew the touch switch of the right rear door and then take out the plug-in unit of the touch switch with the right rear door.



21. Take out the plug-in unit of the touch switch with the front door



21. Prize up the protective cover of the electronic fuel pump with the slotted screwdriver and then take out the plug-in unit with the fuel tank



22. Open the rear door, and take out the plug-in unit with the right trunk lamp



23. Take out the plug-in unit with the right tail lamp



24. Take out the plug-in unit with the backup lamp

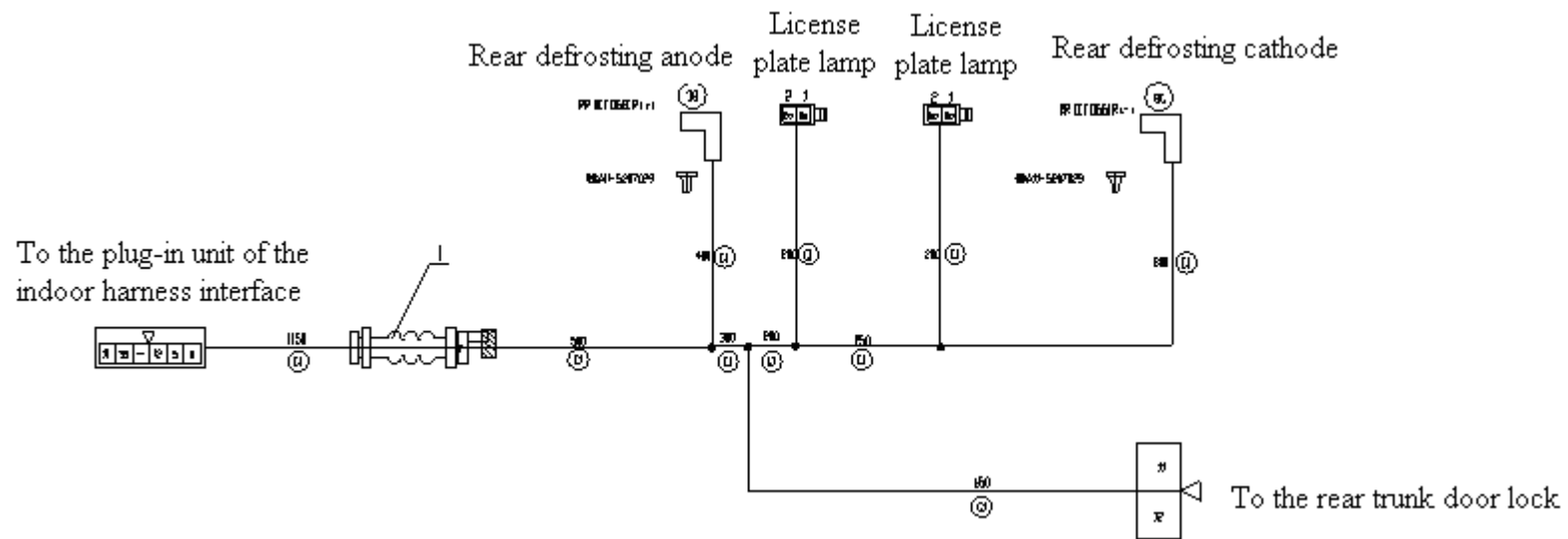


(IV).Assembly steps

Assemble according to the inverted sequence of the disassembl

Section IX Wiring Harness of the Rear Trunk Door

I. Wiring harness sketch



II. Main plug-in units explanation

Name of plug-in unit	Pin No.	Origin
To the plug-in unit of the indoor harness interface	1	To the rear trunk door lock
	2	Rear defrosting anode
	3	—
	4	To the rear trunk door lock
	5	License plate lamp
	6	Rear defrosting cathode
Rear defrosting anode	1	To the plug-in unit of the indoor harness interface
Plug-in unit(2) of the license plate lamp	1	To the plug-in unit of the indoor harness interface
	2	To the plug-in unit of the indoor harness interface
Rear defrosting cathode	1	To the plug-in unit of the indoor harness interface
To the rear trunk door lock	1	To the plug-in unit of the indoor harness interface
	2	To the plug-in unit of the indoor harness interface

III. Disassembly & assembly of the rear door wiring harness

Part No.: A18-3724160

(I).Attentions

Firstly cutting the power is a must before disassemble electric components & wiring harness.

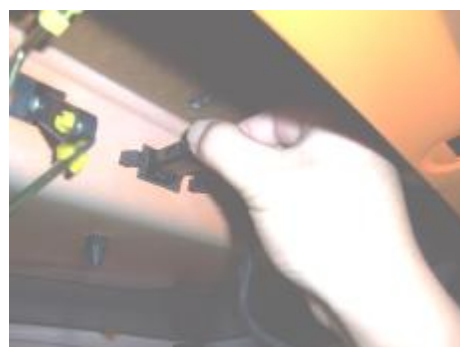
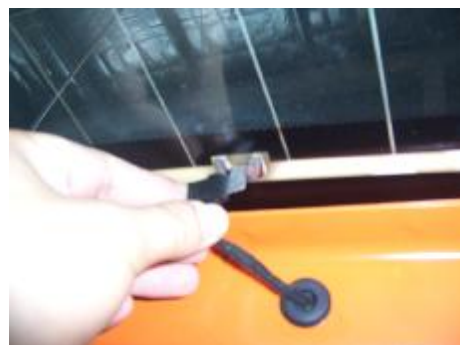
The ignition switch must be in a close state.

(II).Disassembly steps

1. Take out the plug-in unit of the wiring harness with the inside floor
2. Take out the left & right plug-in units with the rear windshield glass defrost



3. Take out the left & right plug-in units of the rear door license Plate lamp



4. Take out the wiring harness from the left-upper side of the rear trunk door



(III). Assembly steps

Assemble according to the inverted sequence of the disassembly.