Chery Karry Maintenance Manual

(Carbody Accessories & Dimension)

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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

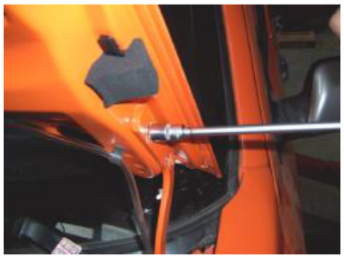


3.3. Assembly steps

Assemble according to the inverted sequence of the disassembly

PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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±0.5Nm



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

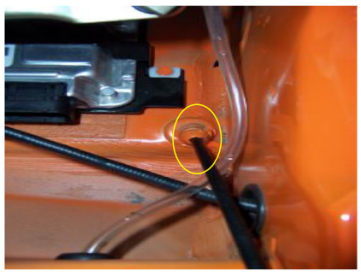


PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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±1Nm）



3.2. Assembly steps

Assemble according to the inverted sequence of the disassembly

PDF created with pdfFactory Pro trial version www.pdffactory.com

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.

PDF created with pdfFactory Pro trial version www.pdffactory.com

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±1Nm）

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.



PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

7.2. Assembly steps

Assemble according to the inverted sequence of the disassembly
Assembly moment：5±0.5Nm

PDF created with pdfFactory Pro trial version www.pdffactory.com

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

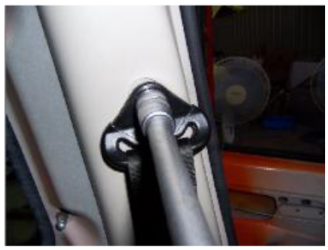
Keep the safety belt clean, avoid being stained with the oil and check whether the safety belt is spoiled or not

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±10N·m



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



PDF created with pdfFactory Pro trial version www.pdffactory.com

3.4. Unscrew fixing bolts below the safety belt with the socket wrench 17#
Moment: 50±10N·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±0.5Nm



PDF created with pdfFactory Pro trial version www.pdffactory.com



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±10N·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;



PDF created with pdfFactory Pro trial version www.pdffactory.com

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±3N·m

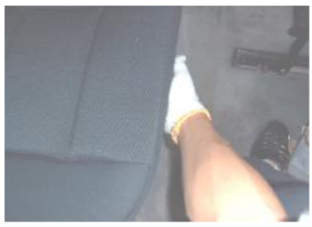


1.3. Unscrew the limiting bolts of the slide way under seats with the ring wrench 10#
1.4. Move back seats through pulling the moving handle under seats and take out seats



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.





PDF created with pdfFactory Pro trial version www.pdffactory.com

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±0.5N·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. Prize 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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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

.

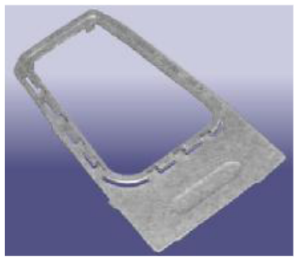


1.2. Unscrew 2 bolts connecting the console with the instrumental panel with the Phillips screwdriver.
Moment: 3±0.5N.m



PDF created with pdfFactory Pro trial version www.pdffactory.com

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±0.5N.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

PDF created with pdfFactory Pro trial version www.pdffactory.com

IV. Disassembly & assembly of the carpet

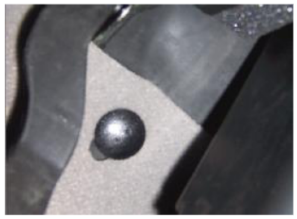
Preparation tools: Slotted screwdriver, Phillips screwdriver, socket wrench

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









PDF created with pdfFactory Pro trial version www.pdffactory.com

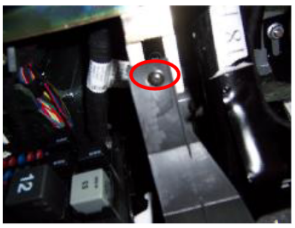
1.5. Disassemble the trim parts of the limiting device of the throttle pedal

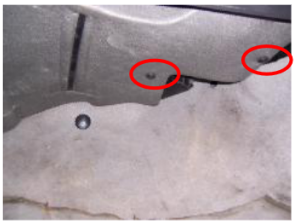


1.6. Unscrew 3 fixing bolts of the left & right shields under the instrumental panel with the Phillips screwdriver and take out shields
Moment: 3±0.5N.m









PDF created with pdfFactory Pro trial version www.pdffactory.com



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**

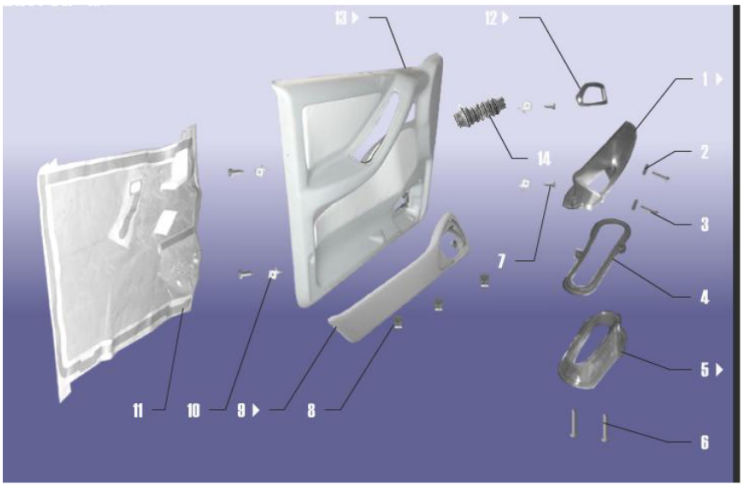
2.1. Assemble according to the inverted sequence of the disassembly
2.2. Assembly attentions:
2.2.1. Tidy up the plug-in wiring harness of seats & rear oxygen sensor when paving the shock pad
2.2.2. The undersurface of the shock pad inosculates with the plate work

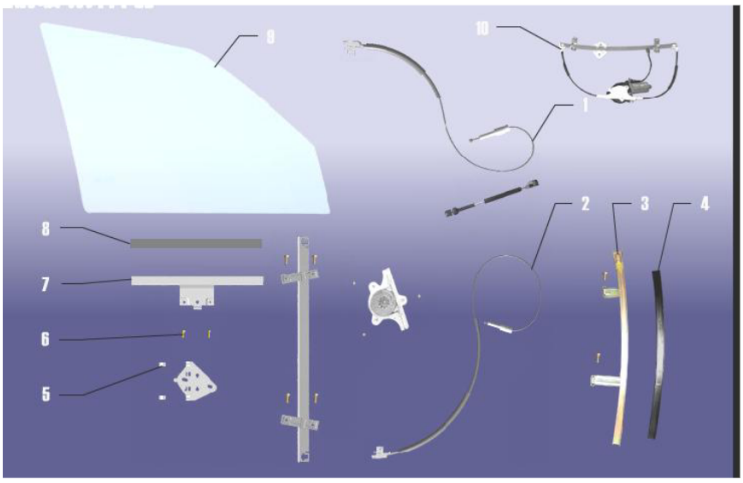
PDF created with pdfFactory Pro trial version www.pdffactory.com

Chapter III Disassembly & Maintenance of the Car Door

I. Disassembly, assembly & maintenance of the front door

1. Lamp system constitution diagram





PDF created with pdfFactory Pro trial version www.pdffactory.com

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

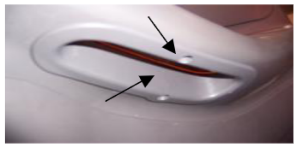


4.2. Prize up the upper end cover of the glass lifting rotary handle, unscrew fixing bolts of the rotary handle with the Phillips screwdriver and then take it out

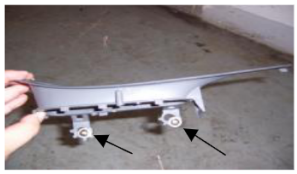




4.3. Disassemble the downside bolts (each bolt at the left & right) of the inside handrail of the door. The down cover can be opened after the disassembly of the bolts



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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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.



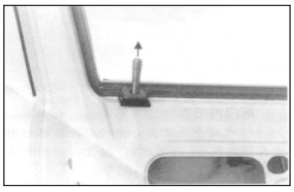
4.7. In order to disassemble any parts of the door, the water-proof need to be taken out and the door knob & fixing clips also need to be taken out.



4.8. Shown as the arrow in the figure, the lock is fixed to the door frame through 2 fixing bolts. Screwed moment：20±2N.m

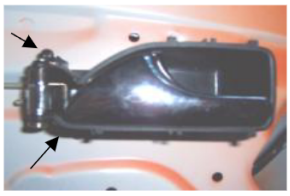


4.9. Disassemble the lock controlled device, take out fixing clips of the controlled device & lock device when disassembling the lock. The manual lock device located between the assembly position of the lock and the starter and the choosing level are the same in the car with the central lock



PDF created with pdfFactory Pro trial version www.pdffactory.com

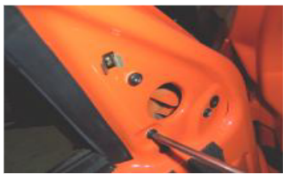
4.10.Shown as the arrow in the figure, unscrew 2 fixing bolts inside lock of the front door & the handle, then push it rightwards and then may take it out directly



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



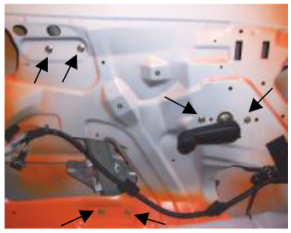


PDF created with pdfFactory Pro trial version www.pdffactory.com

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±0.5N.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.

PDF created with pdfFactory Pro trial version www.pdffactory.com

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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





PDF created with pdfFactory Pro trial version www.pdffactory.com

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





PDF created with pdfFactory Pro trial version www.pdffactory.com





4. **Assembly steps**

Assemble according to the inverted sequence of the disassembly

PDF created with pdfFactory Pro trial version www.pdffactory.com

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





PDF created with pdfFactory Pro trial version www.pdffactory.com



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±2）N·m

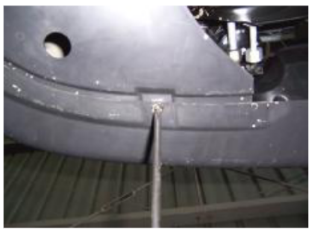


3.4. Disassemble 2 front wheels with the socket wrench (See the disassembly way of the tyre).

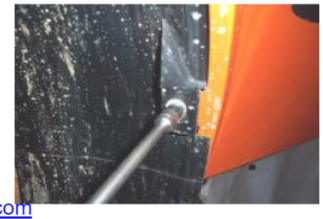
3.5. Lift the car to a suitable height, and unscrew fixing bolts of the left & right wheel fenders with the socket wrench 8#



3.6. Disassemble left & right shields below the bumper with the same way.
Assembly moment：9±0.5 **Nm**



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



PDF created with pdfFactory Pro trial version www.pdffactory.com

Assembly moment：9±0.5Nm

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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 form 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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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±1)Nm



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



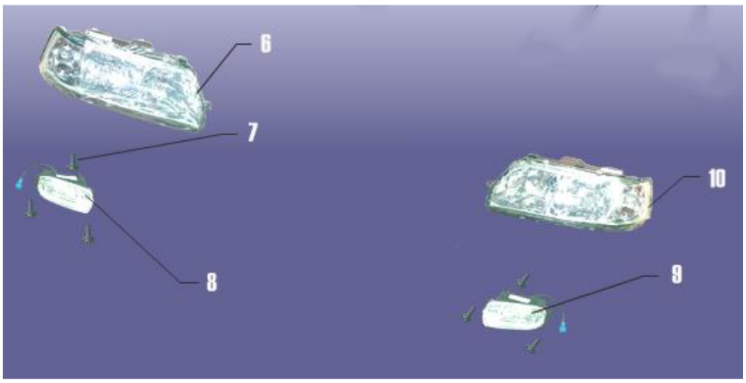
4. **Assembly steps**

Assemble according to the inverted sequence of the disassembly

PDF created with pdfFactory Pro trial version www.pdffactory.com

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±0.5N·m



PDF created with pdfFactory Pro trial version www.pdffactory.com

4.3. Loosen fixing bolts of the right under corner of the headlamp with the wrench 10#
Moment：3.5±0.5N·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.



PDF created with pdfFactory Pro trial version www.pdffactory.com

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. Unscrew3 fixing bolts of the fog lamp with the wrench 10#
Moment：3.5±0.5N·m



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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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

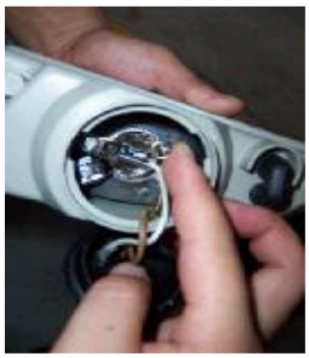


5.5. Please take out the lamp socket by hands

-

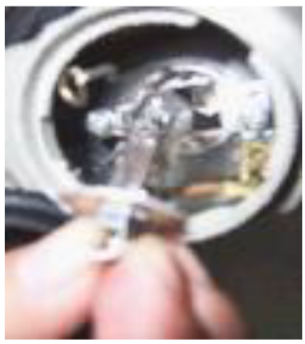


5.6. Please take out the fixing clamp of the lamp socket by hands



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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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±0.2N·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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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±1Nm



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



PDF created with pdfFactory Pro trial version www.pdffactory.com

4.1.2. Unscrew left & right fixing bolts with the Phillips screwdriver
Moment：9±3N.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

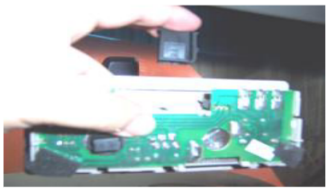


5.1.1.2. Take out the ceiling lamp, take out the plug-in unit of the wiring harness and disassemble the front ceiling lamp assembly



5.1.2. Assembly steps

Assemble according to the inverted sequence of the disassembly



PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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



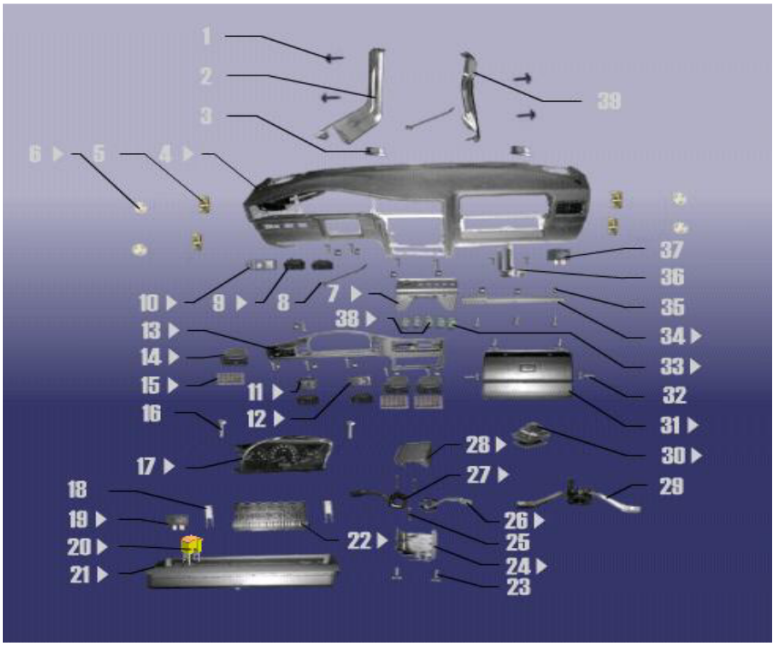
10.2. **Assembly steps**

Assemble according to the inverted sequence of the disassembly

PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

3.2. **Assembly steps**

Assemble according to the inverted sequence of the disassembly

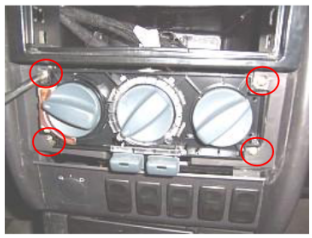
4. Disassembly & assembly of the air conditioner controlled panel

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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



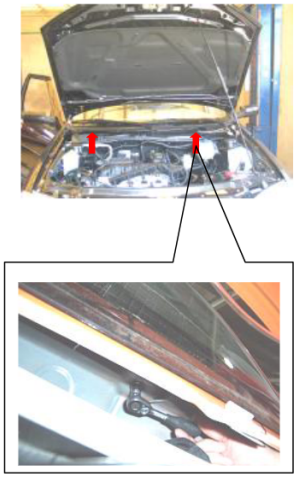
3.1.5. Unscrew fixing bolts at the left down side of the main parts of the instrument panel with the Phillips screwdriver



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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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±0.5N.

PDF created with pdfFactory Pro trial version www.pdffactory.com

Chapter VIII Air Conditioner System

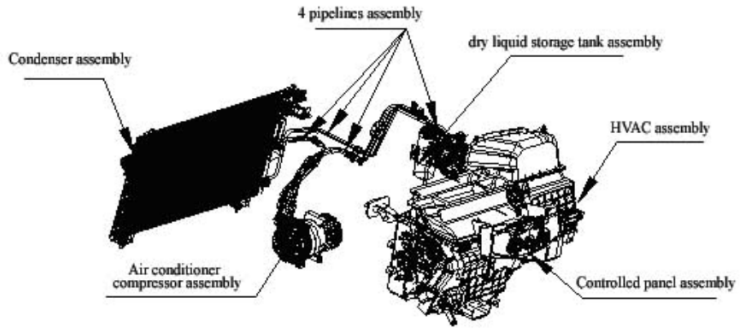
I. System combination

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

2. **Disassembly steps**

2.1. Recover the refrigerant with the refrigerant recoverer
Attention:

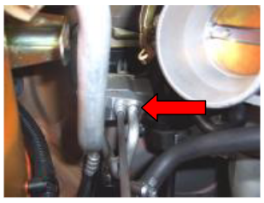
（1） Do not deal with the refrigerant at the close place or near the open fire.

（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±1 **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±1 **Nm**





PDF created with pdfFactory Pro trial version www.pdffactory.com

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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±0.5 **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





PDF created with pdfFactory Pro trial version www.pdffactory.com

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





PDF created with pdfFactory Pro trial version www.pdffactory.com

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 form 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.

PDF created with pdfFactory Pro trial version www.pdffactory.com

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 fell 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

PDF created with pdfFactory Pro trial version www.pdffactory.com

conditioner refrigeration effect is not enough.		
High side pressure is higher than the specified valve 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

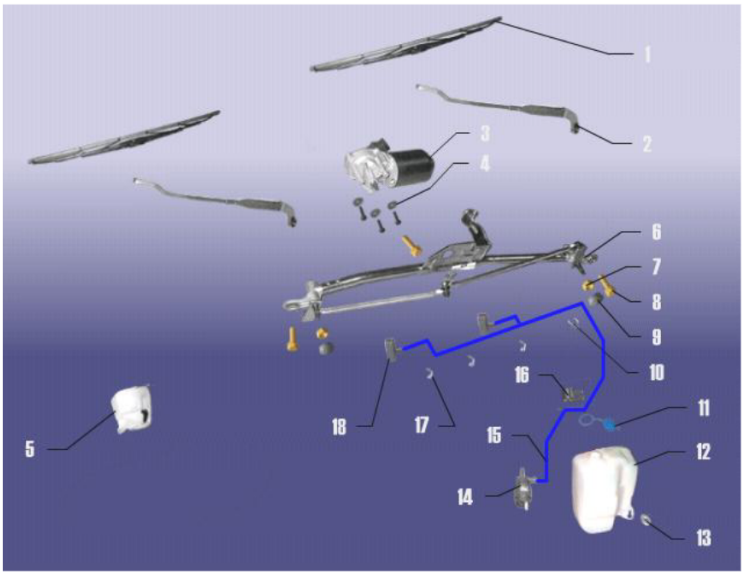
PDF created with pdfFactory Pro trial version www.pdffactory.com

Storage liquid tank can not be used	•Perforation • Sealing site spoiled • The fastener thread has been spoiled, ant the outside air has entered into the system in the postponed time	Change

PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

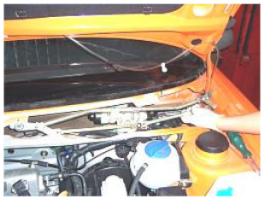
3.6 Unscrew fixing bolts of the wiper connecting rod with the socket wrench



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**

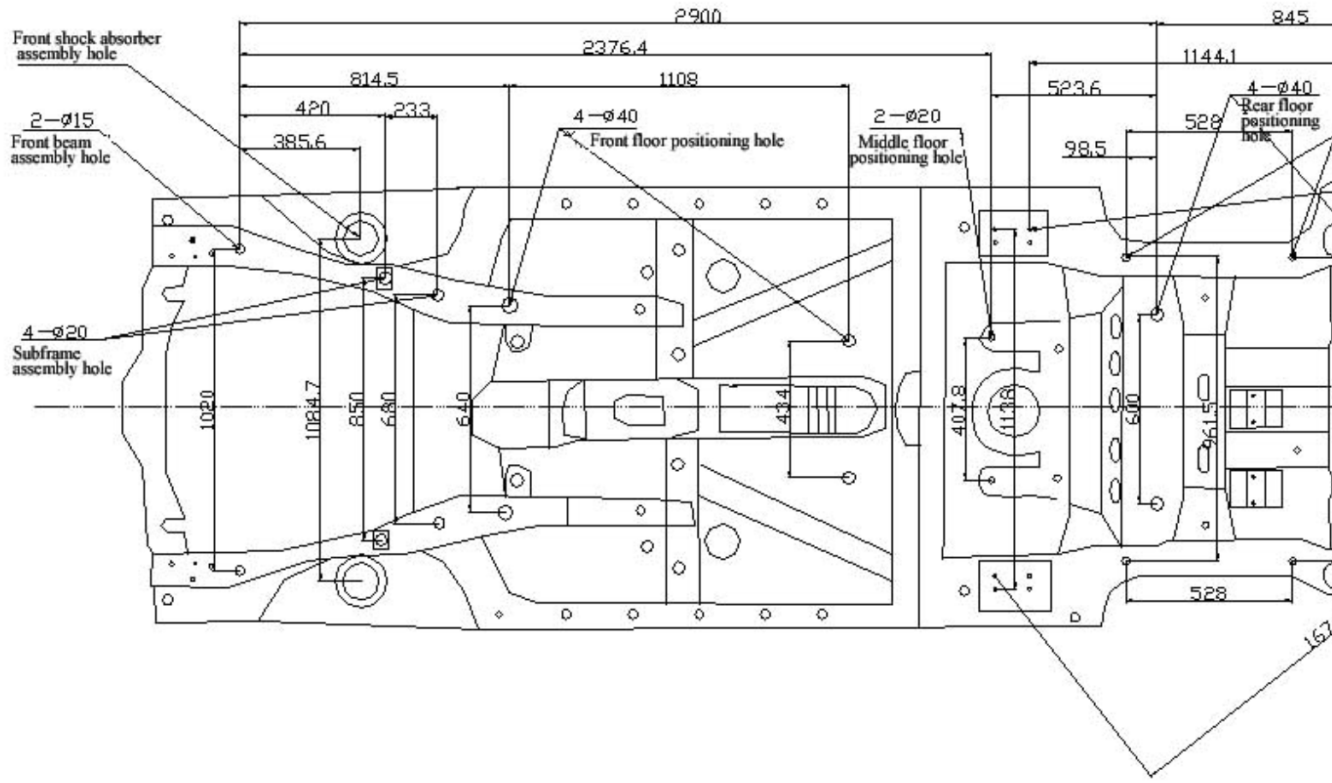
Assemble according to the inverted sequence of the disassembly

PDF created with pdfFactory Pro trial version www.pdffactory.com

Chapter X Carbody Dimension

I.Main beam dimension

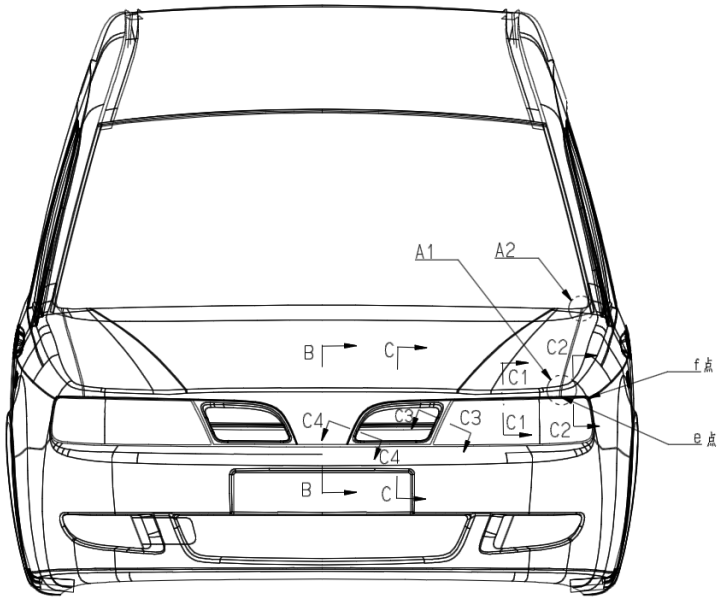
Unit: mm



PDF created with pdfFactory Pro trial version www.pdffactory.com

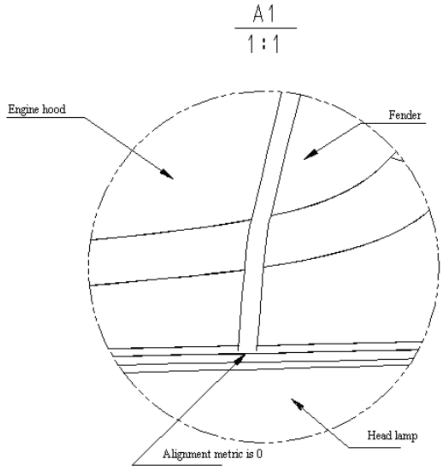
II. Carbody assembly dimension

1. **Right front view**

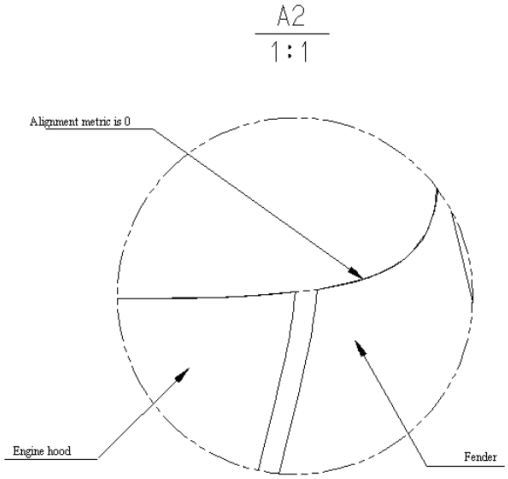


PDF created with pdfFactory Pro trial version www.pdffactory.com

1.1 **Alignment metric of A1 engine hood, fender & headlamp**

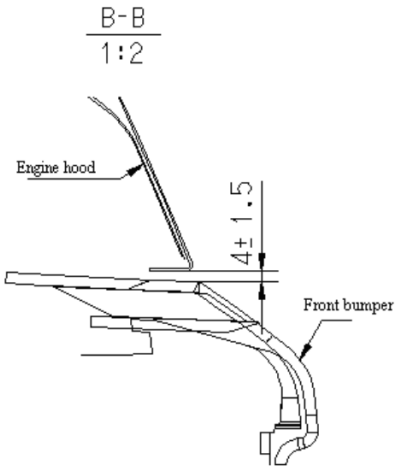


1.2 **Alignment metric of A2 engine hood, fender & front windshield**

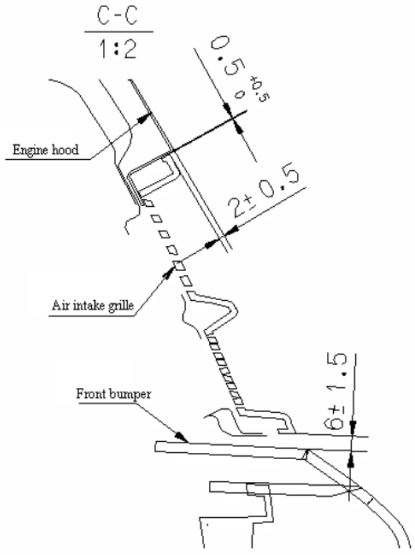


PDF created with pdfFactory Pro trial version www.pdffactory.com

a) Gap between B-B engine hood and front bumper ： 4±1.5mm



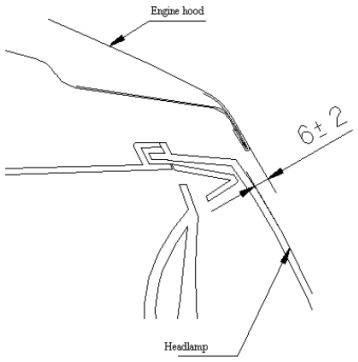
1.4 Gap between C-C engine hood and air intake grille ： 0.75±0.25mm.2±0.5mm
Gap between the air intake grille and front bumper ： 6±1.5mm



PDF created with pdfFactory Pro trial version www.pdffactory.com

1.5 Gap between C1-C1 engine hood and air intake grille ： 6±2mm

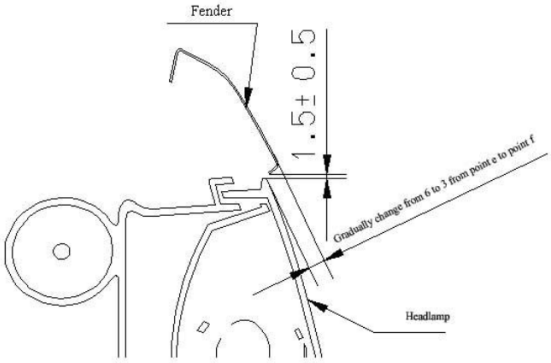
C1-C1
1:2



1.6 Gap between C2-C2 headlamp and fender ： 1.5±0.5mm

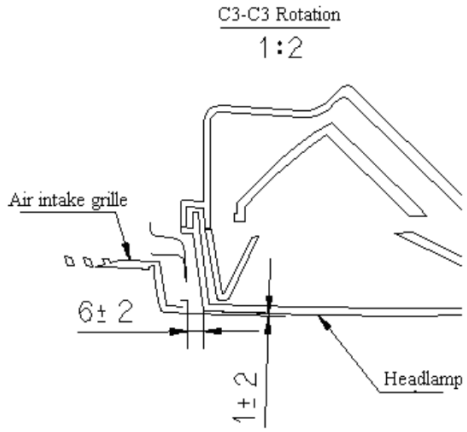
Gradually change from 6 to 3 from point e to point f

C2-C2
1:2

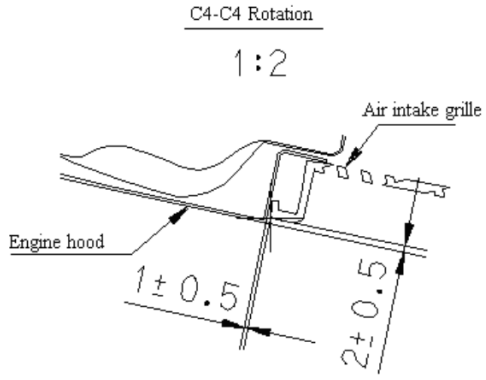


PDF created with pdfFactory Pro trial version www.pdffactory.com

1.7 Gap between C3-C3 headlamp and air intake grille：6±2mm.1±2mm

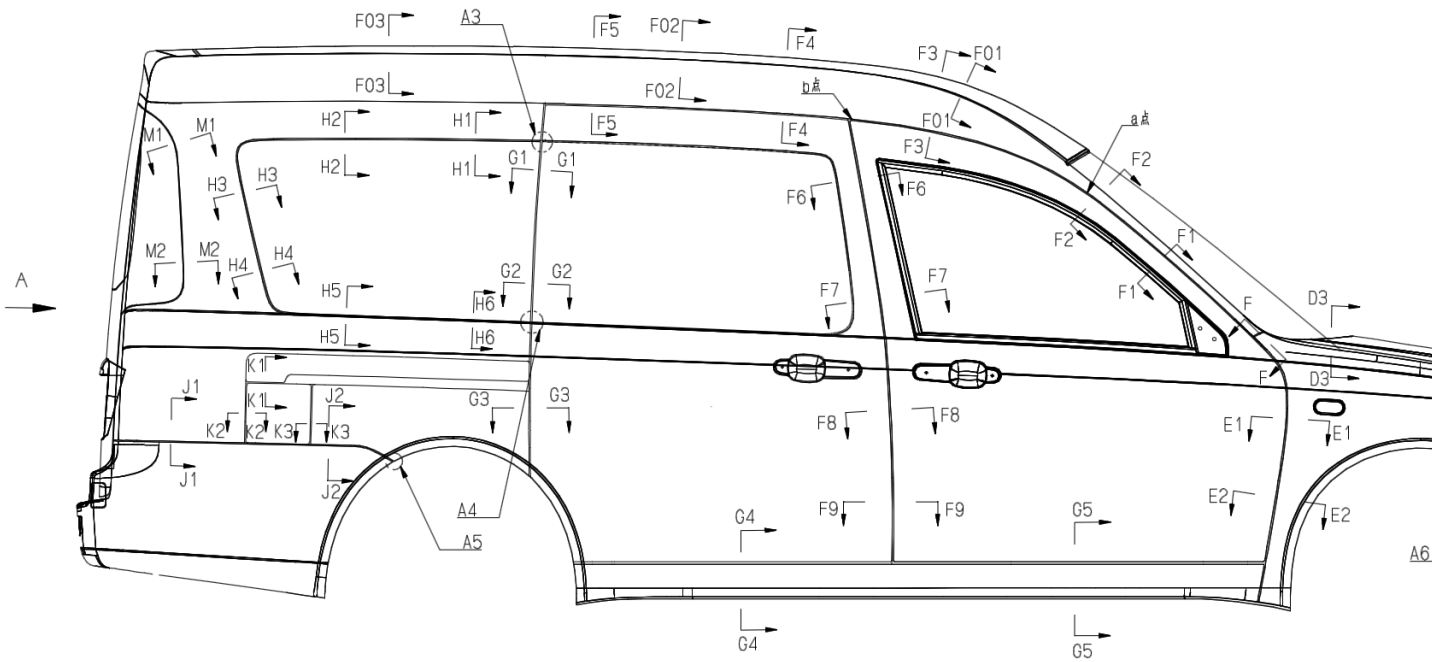


1.8 Gap between C4-C4 engine hood and air intake grille ： 1±0.5mm.2±0.5mm



PDF created with pdfFactory Pro trial version www.pdffactory.com

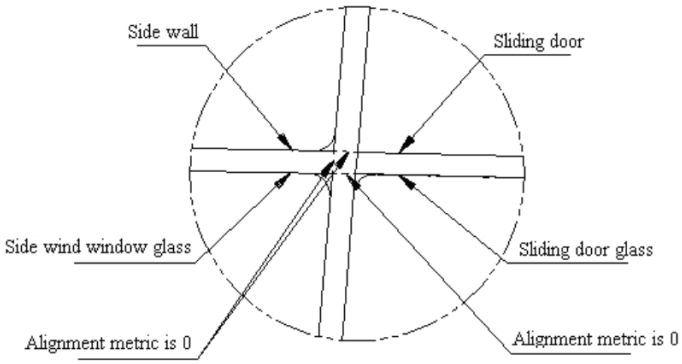
2. **Right side view**



PDF created with pdfFactory Pro trial version www.pdffactory.com

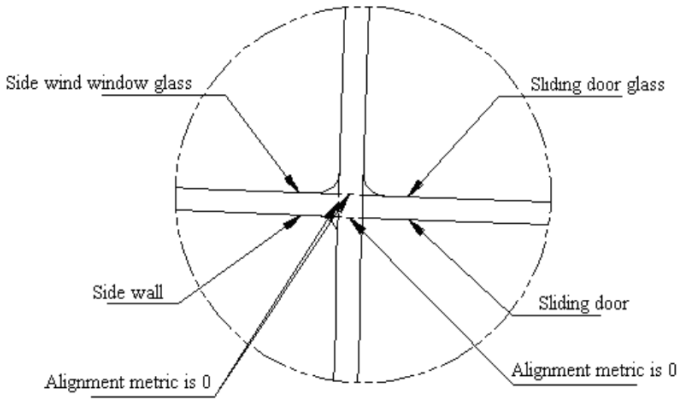
2.1 A3 partial view alignment metric

A3
1:1



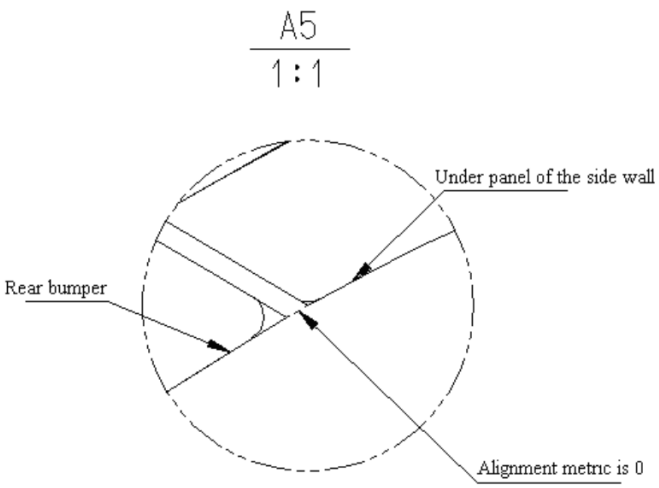
2.2 A4 partial view alignment metric

A4
1:1

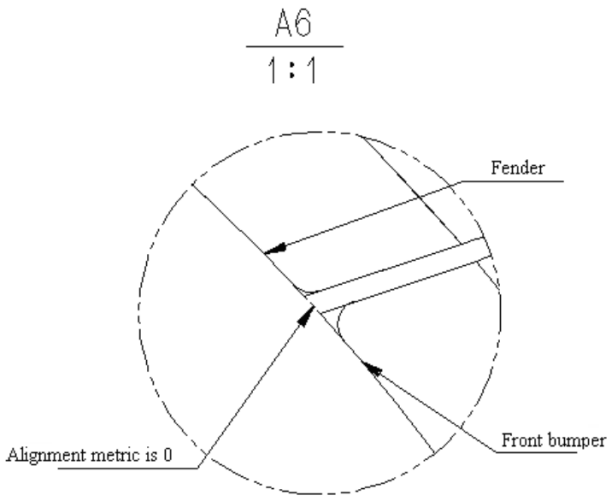


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.3 A5 partial view alignment metric

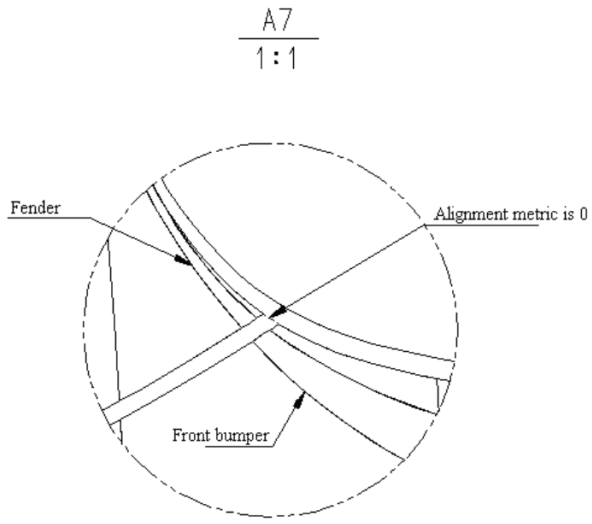


2.4 A6 partial view alignment metric

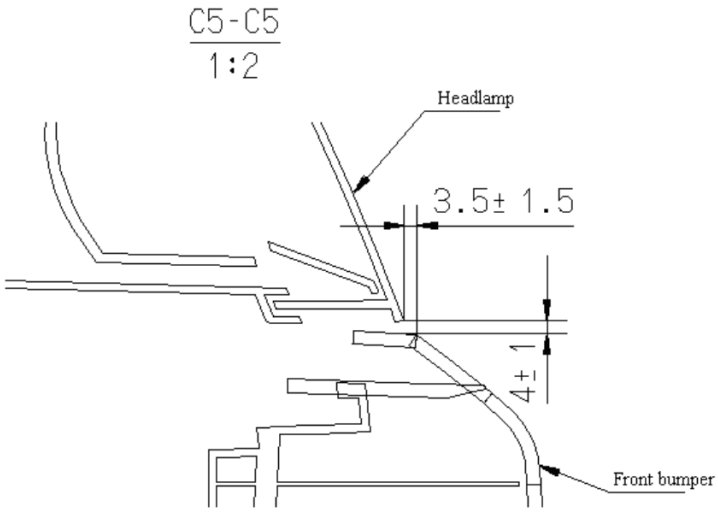


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.5 A7 partial view alignment metric



2.6 Gap between C5-C5 headlamp and front bumper：3.5±1.5mm.4±1mm

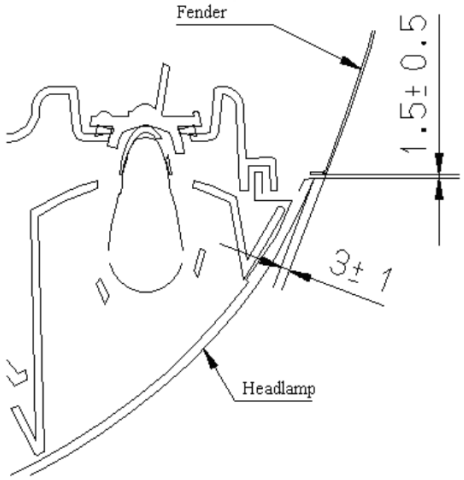


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.7 Gap between C6-C6 fender and headlamp：1±0.5mm.3±1mm

C6-C6 Rotation

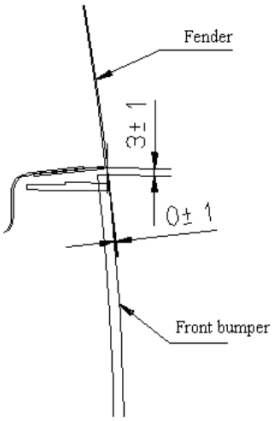
1:2



2.8 Gap between C7-C7 fender and front bumper：3±1mm.0±1mm

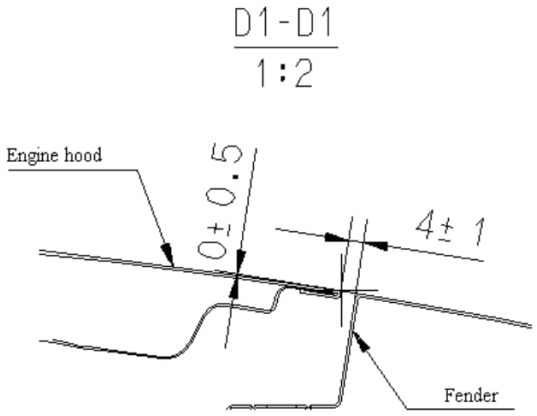
C7-C7

1:2

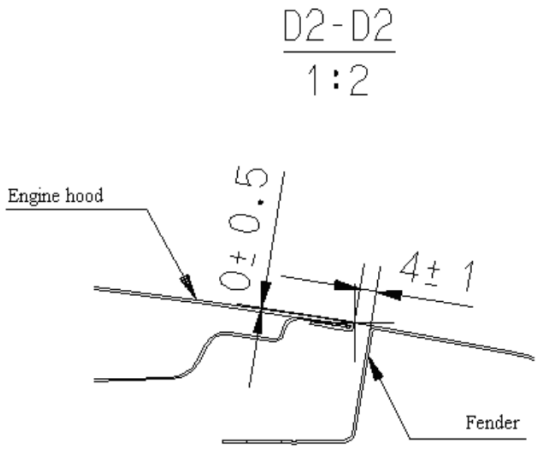


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.9 Gap between D1-D1 engine hood and fender：0±0.5mm.4±1mm

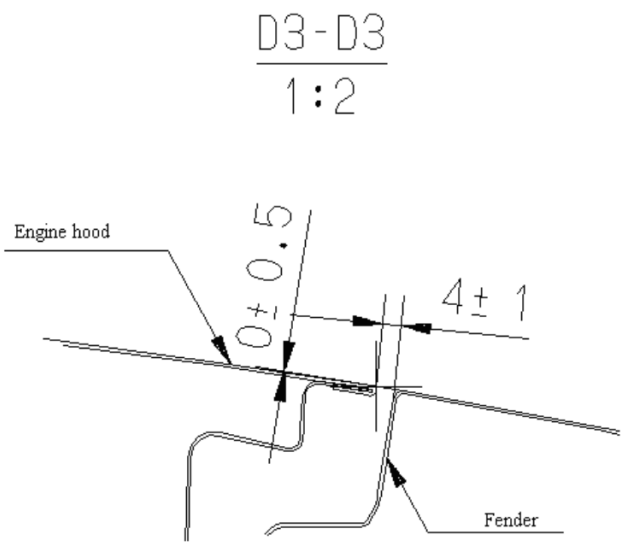


2.9 Gap between D2-D2 engine hood and fender ：0±0.5mm.4±1mm

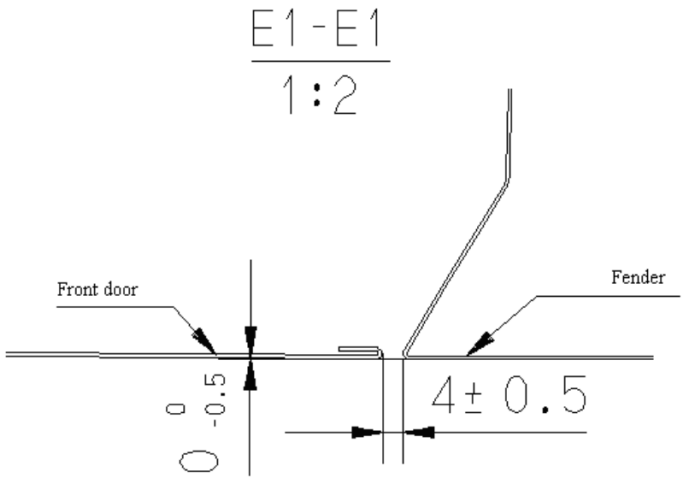


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.10 Gap between D3-D3 engine hood and fender：0±0.5mm.4±1mm

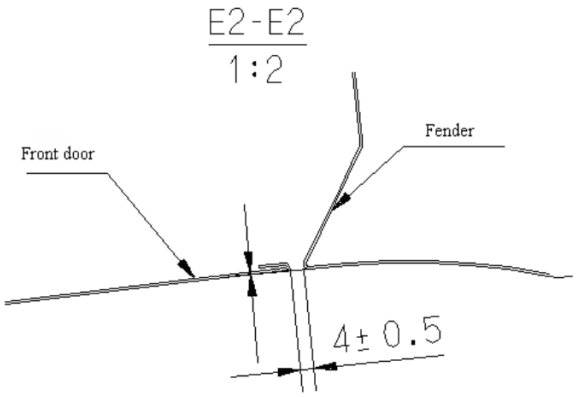


2.11 Gap between E1-E1 front door and fender：-0.25±0.25mm.4±0.5mm

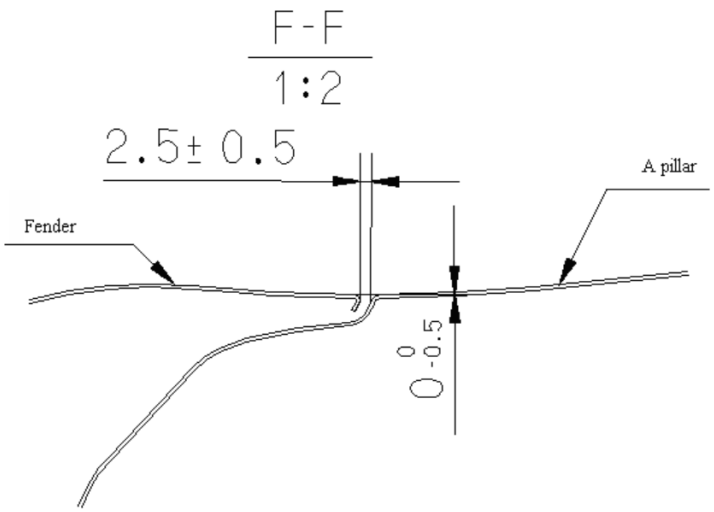


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.12 Gap between E2-E2 front door and fender ： 4±0.5mm

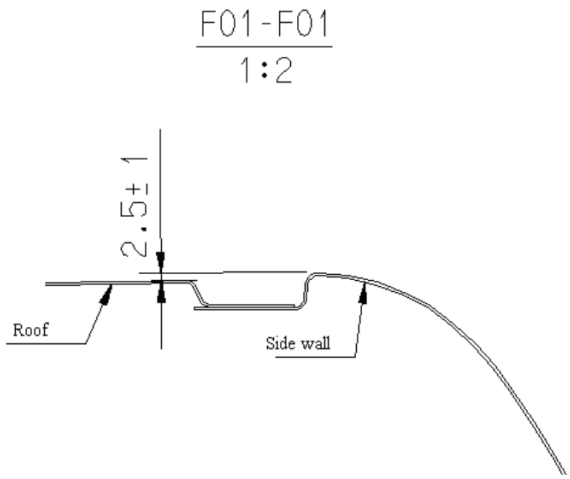


2.13 Gap between F-F fender and A pillar：2.5±0.5mm

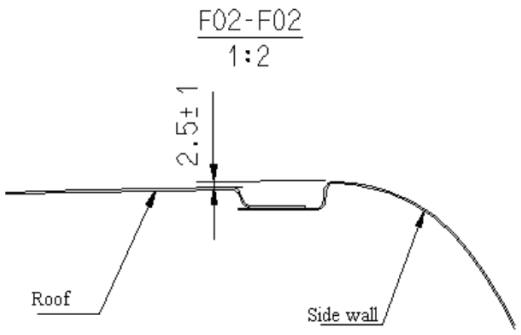


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.14 Gap between F01-F01 roof and side wall：2.5±1mm

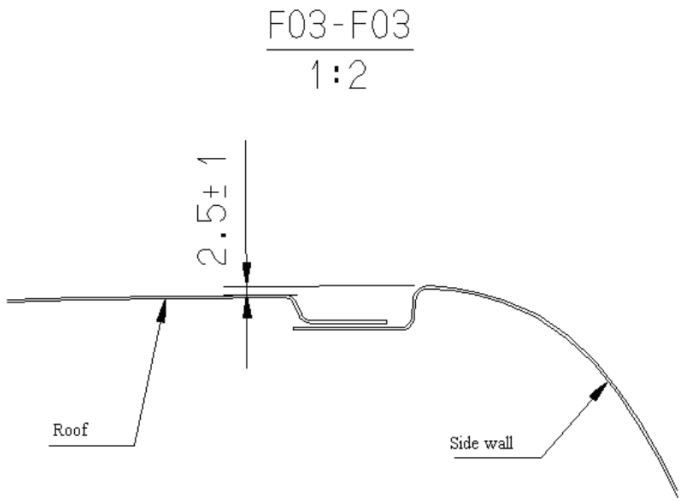


2.15 Gap between F02-F02 roof and side wall：2.5±1mm

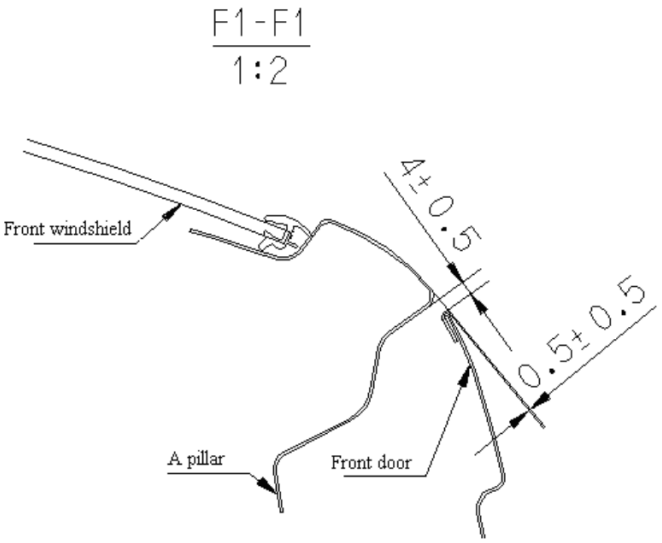


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.16 Gap between F03-F03 roof and side wall：2.5±1mm

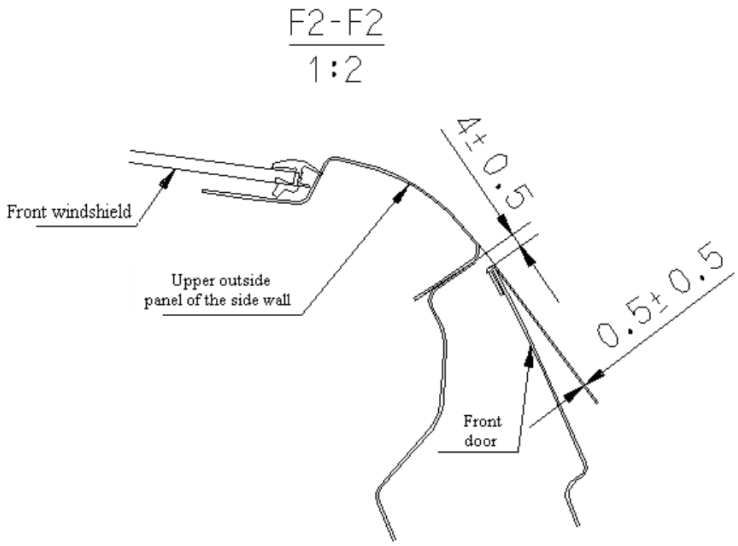


2.17 Gap between F1-F1 A pillar and front door：4±0.5mm.0.5±0.5mm



PDF created with pdfFactory Pro trial version www.pdffactory.com

2.18 Gap between F2-F2 upper outside panel of the side wall and front door：4±0.5mm.0.5±0.5mm



PDF created with pdfFactory Pro trial version www.pdffactory.com

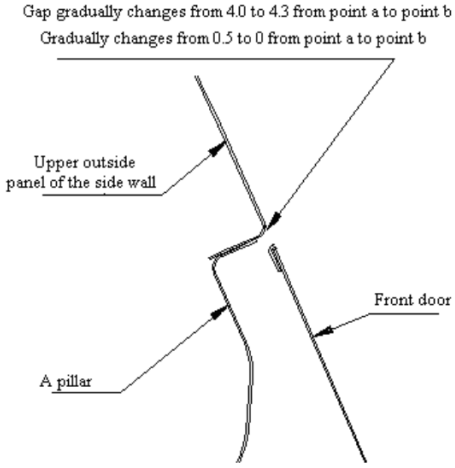
2.19 Gap between F3-F3 upper outside panel of the side wall and front door:

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

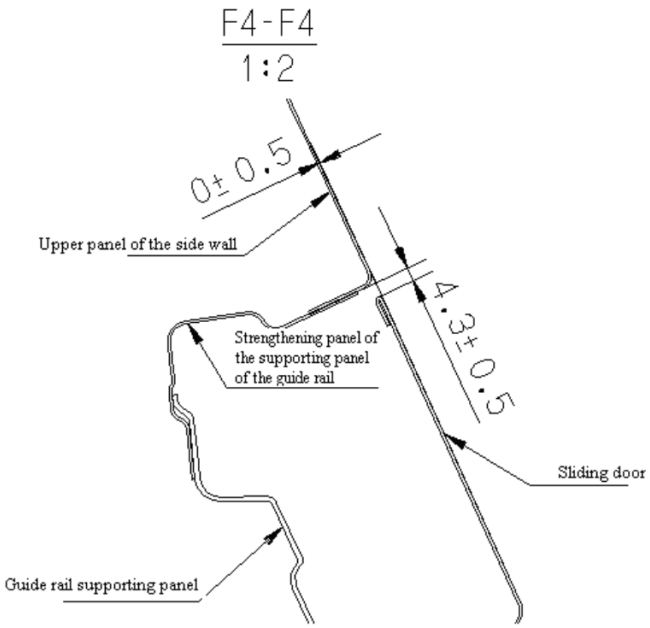
F3-F3

1:2



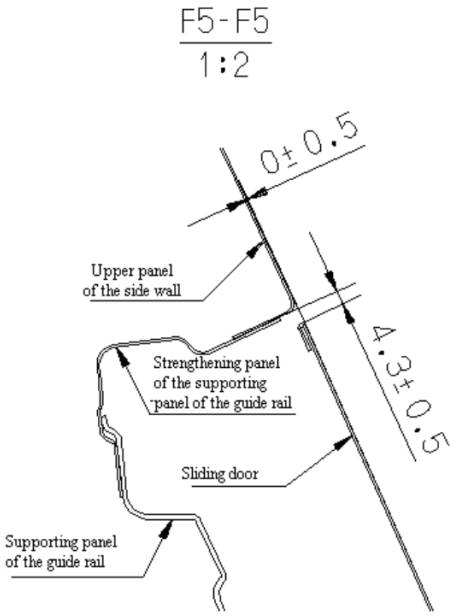
PDF created with pdfFactory Pro trial version www.pdffactory.com

2.20 Gap between F4-F4 upper outside panel of the side wall and sliding door：0±0.5mm.4.3±0.5mm



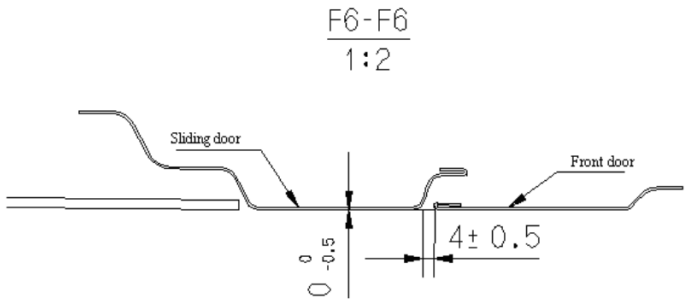
PDF created with pdfFactory Pro trial version www.pdffactory.com

2.21 Gap between F5-F5 upper outside panel of the side wall and sliding door: 0±0.5mm.4.3±0.5mm

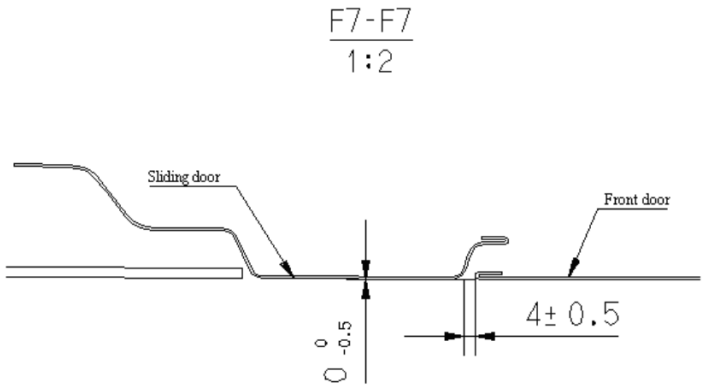


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.22 Gap between F6-F6 sliding door and front door：-0.25±0.25mm.4±0.5mm

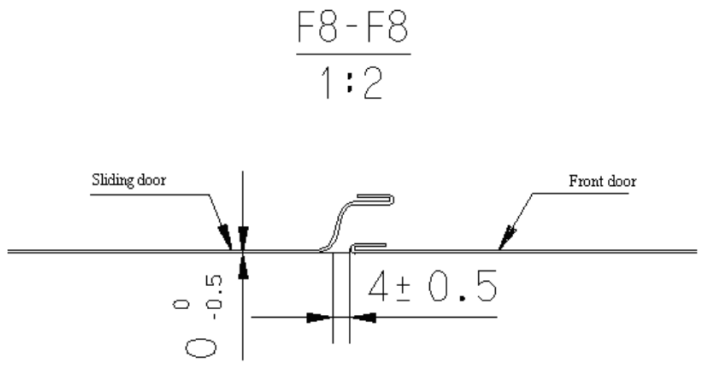


2.23 Gap between F7-F7 sliding door and front door：-0.25±0.25mm.4±0.5mm

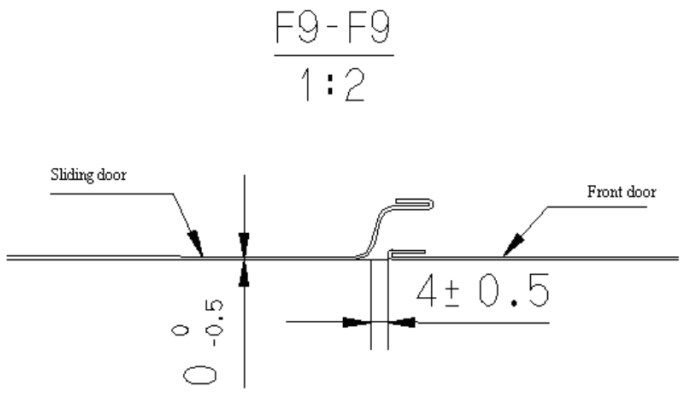


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.24 Gap between F8-F8 sliding door and front door ： -0.25±0.25mm.4±0.5mm

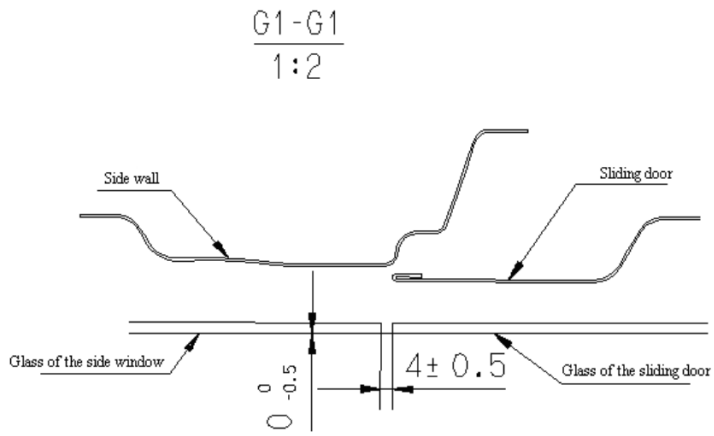


2.25 Gap between F9-F9 sliding door and front door：-0.25±0.25mm.4±0.5mm

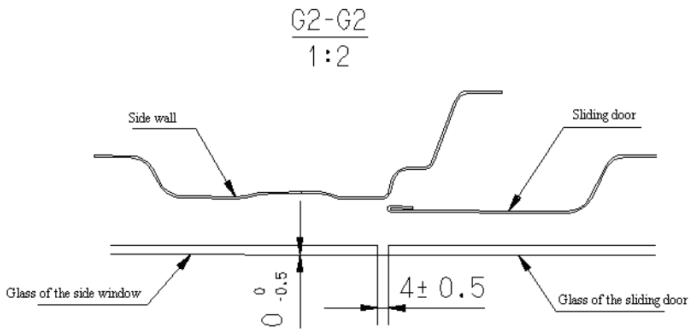


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.26 Gap between G1-G1 glass of the side window and sliding door：-0.25±0.25mm.4±0.5mm

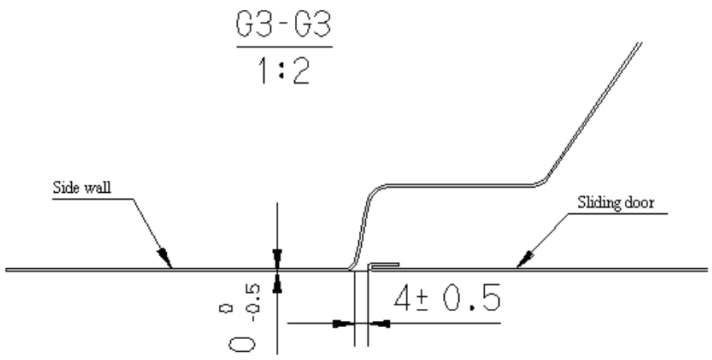


2.27 Gap between G2-G2 glass of the side window and sliding door：-0.25±0.25mm.4±0.5mm
：-0.25±0.25mm.4±0.5mm

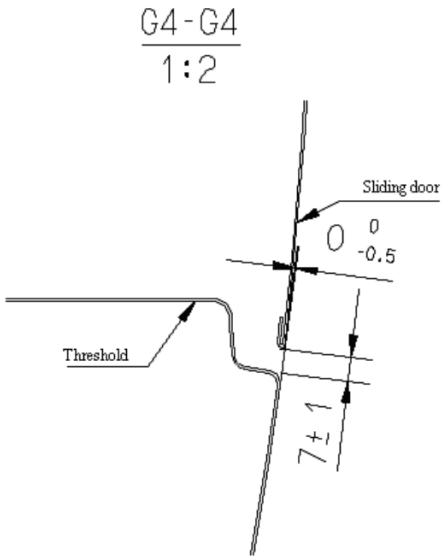


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.28 Gap between G3-G3 side wall and sliding door：-0.25±0.25mm.4±0.5mm

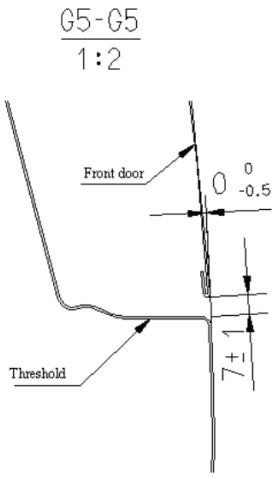


2.29 Gap between G4-G4 threshold and sliding door：-0.25±0.25mm.7±1mm

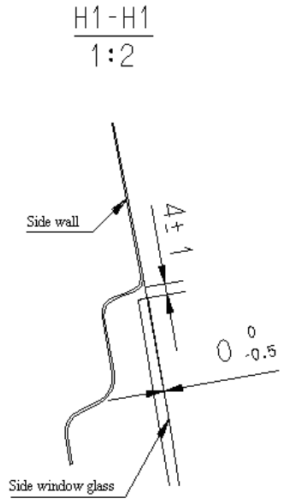


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.30 Gap between G5-G5 threshold and front door：-0.25±0.25mm.7±1mm

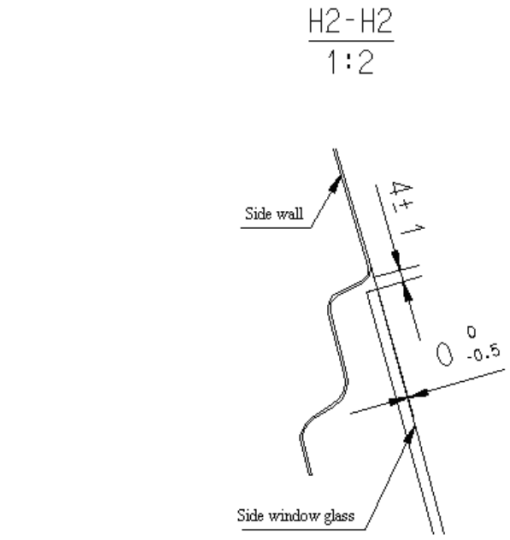


2.31 Gap between H1-H1 side wall and side window glass：-0.25±0.25mm.4±1mm

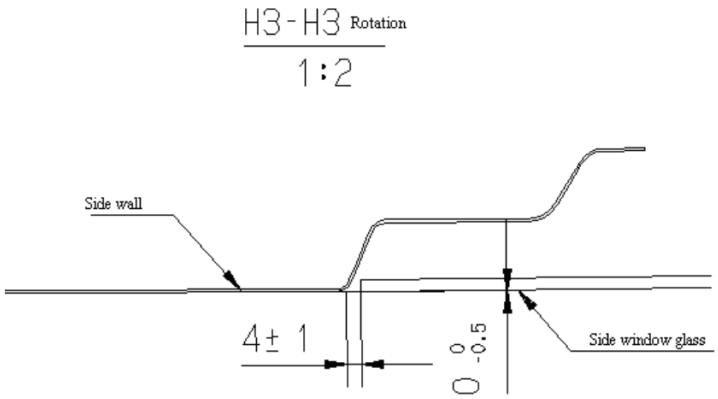


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.32 Gap between H2-H2 side wall and side window glass：-0.25±0.25mm.4±1mm

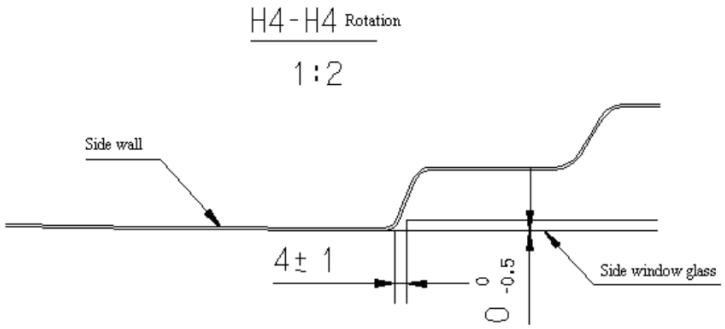


2.33 Gap between H3-H3 side wall and side window glass：-0.25±0.25mm.4±1mm

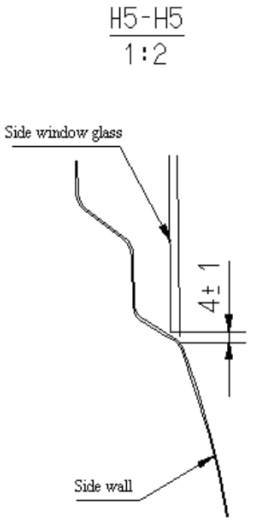


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.34 Gap between H4-H4 side wall and side window glass：-0.25±0.25mm.4±1mm

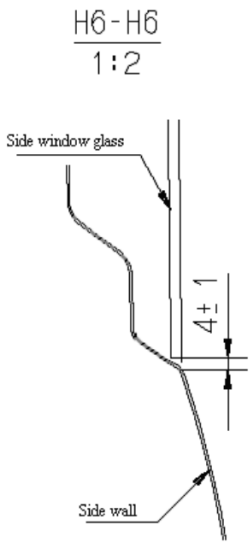


2.35 Gap between H5-H5 side wall and side window glass：4±1mm

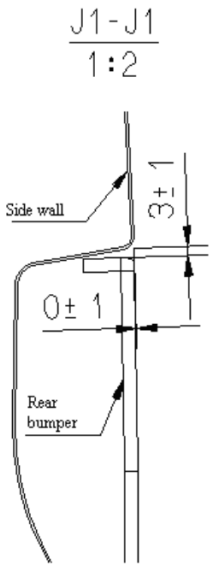


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.36 Gap between H6-H6 side wall and side window glass：4±1mm

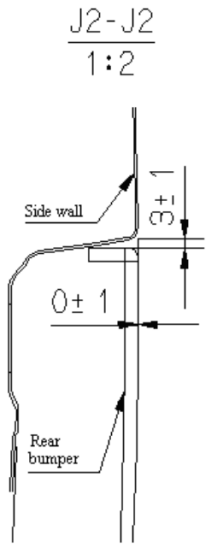


2.37 Gap between J1-J1 side wall and rear bumper：0±1mm.3±1mm

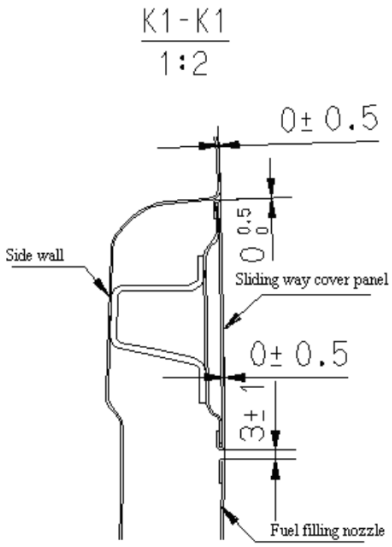


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.38 Gap between J2-J2 side wall and rear bumper：0±1mm, 3±1mm

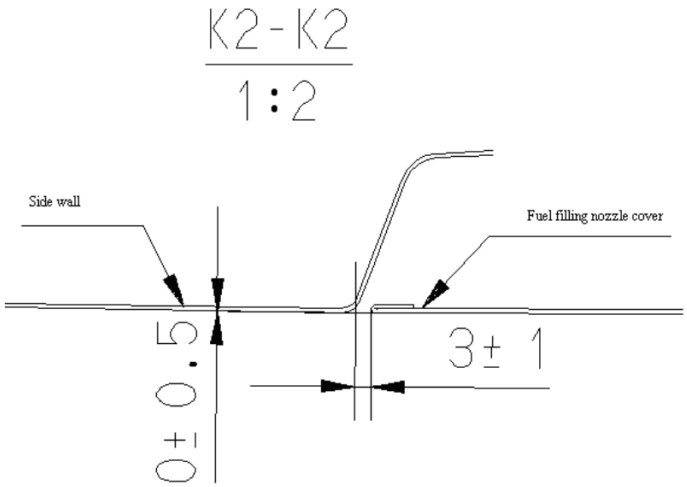


2.39 Gap between K1-K1 side wall and sliding way cover panel：0±0.5mm.0.25±0.25mm
0±0.5mm.3±1mm

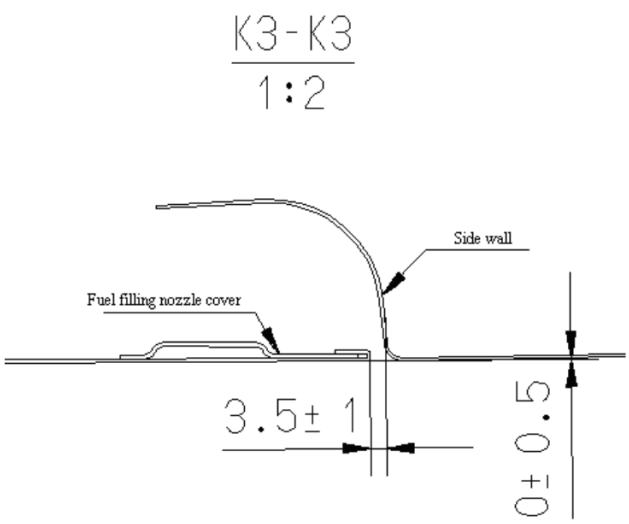


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.40 Gap between K2-K2 side wall and fuel filling nozzle cover：0±0.5mm.3±1mm

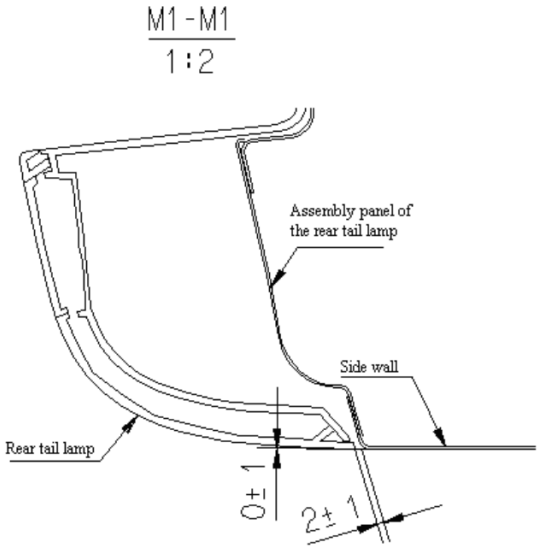


2.41 Gap between K3-K3 side wall and fuel filling nozzle cover：3.5±1mm.0±0.5mm

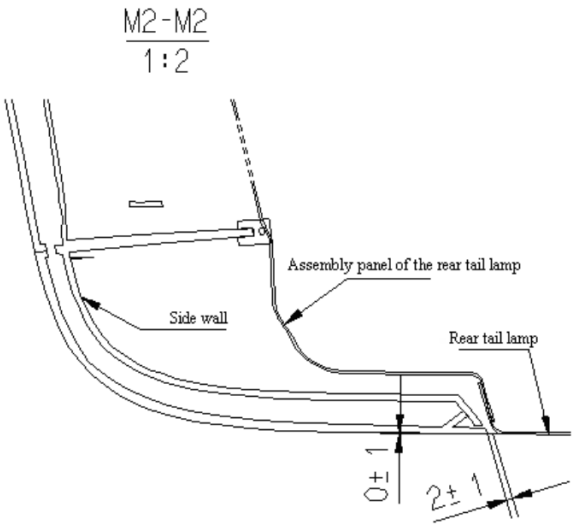


PDF created with pdfFactory Pro trial version www.pdffactory.com

2.42 Gap between M1-M1 rear tail lamp and side wall：0±1mm.2±1mm

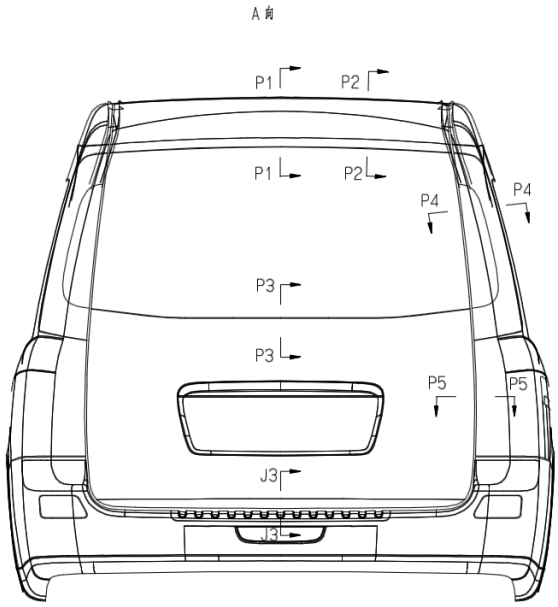


2.43 Gap between M2-M2 rear tail lamp and side wall：0±1mm.2±1mm



PDF created with pdfFactory Pro trial version www.pdffactory.com

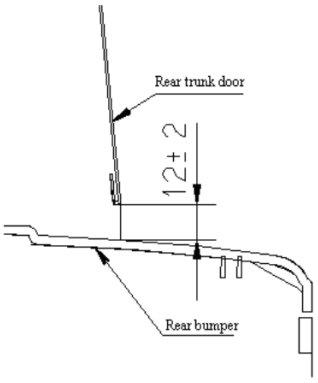
3. **Rear view**



3.1 Gap between J3-J3 rear trunk door and rear bumper：12±2mm

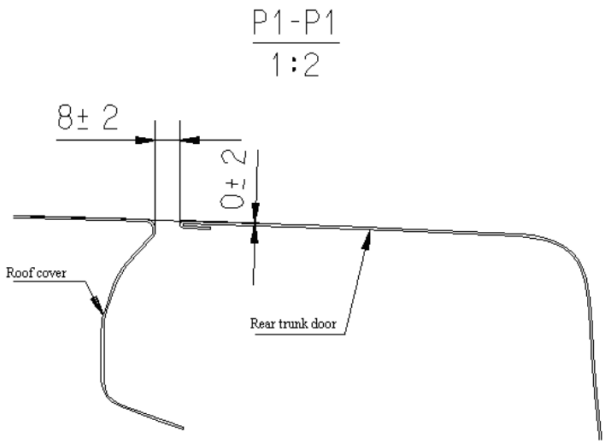
PDF created with pdfFactory Pro trial version www.pdffactory.com

J3-J3
1:2

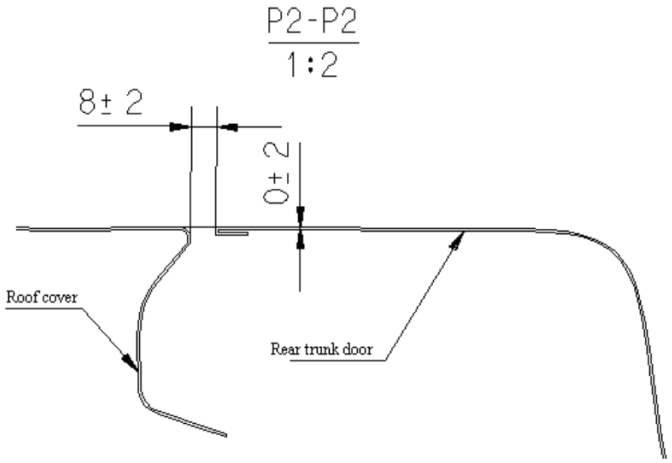


PDF created with pdfFactory Pro trial version www.pdffactory.com

3.2 Gap between P1-P1 roof cover and door outside panel of the rear trunk door：8±2mm.0±2mm

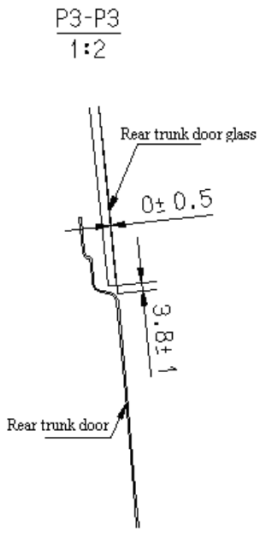


3.3 Gap between P2-P2 roof cover and door outside panel of the rear trunk door：8±2mm.0±2mm

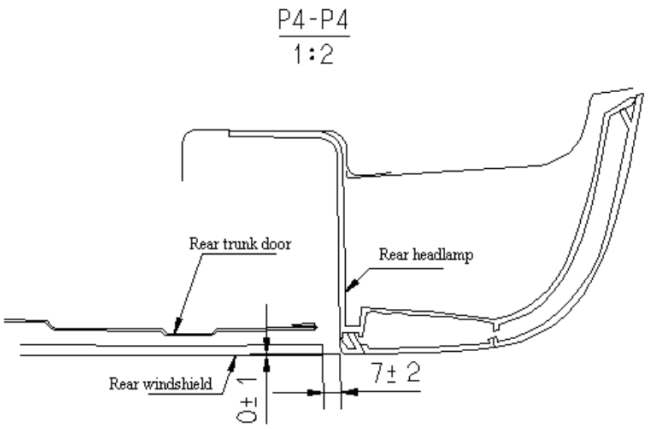


PDF created with pdfFactory Pro trial version www.pdffactory.com

3.4 Gap between P3-P3 rear trunk door and glass of the rear trunk door：0±0.5mm.3.8±1mm

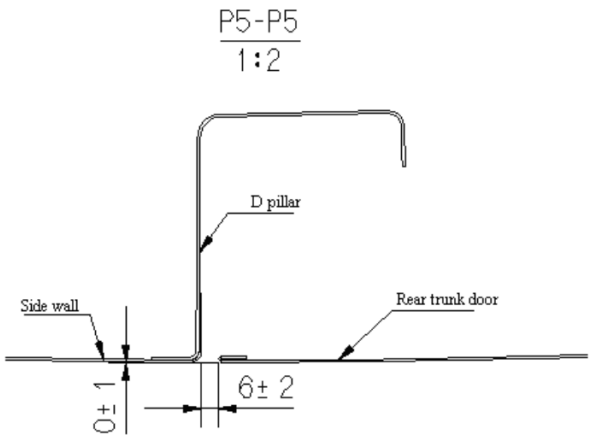


3.5 Gap between P4-P4 rear trunk door, rear windshield and rear headlamp：0±1mm.7±2mm



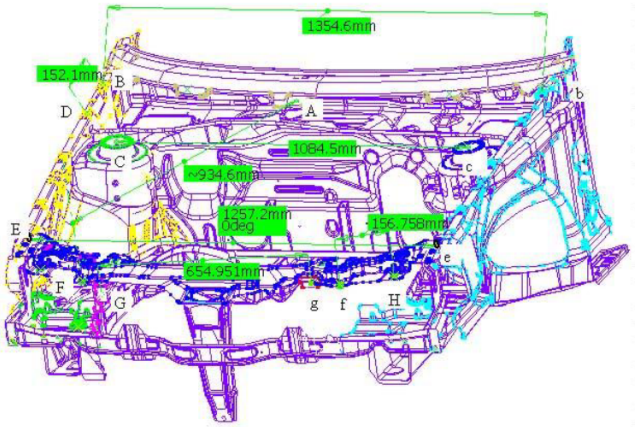
PDF created with pdfFactory Pro trial version www.pdffactory.com

3.6 Gap between P5-P5 side wall, D pillar and rear trunk door separately is：0±1mm；6±2mm



PDF created with pdfFactory Pro trial version www.pdffactory.com

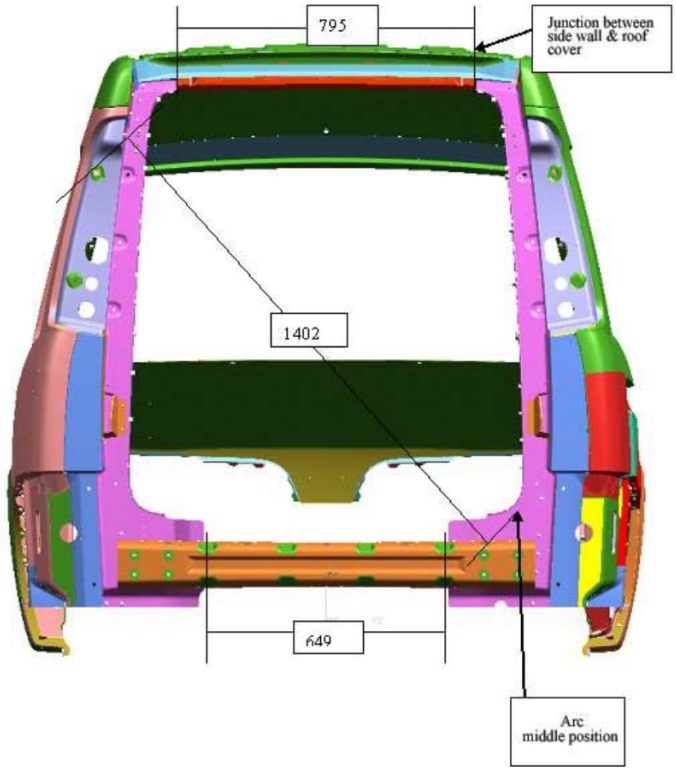
III. Engine room dimension



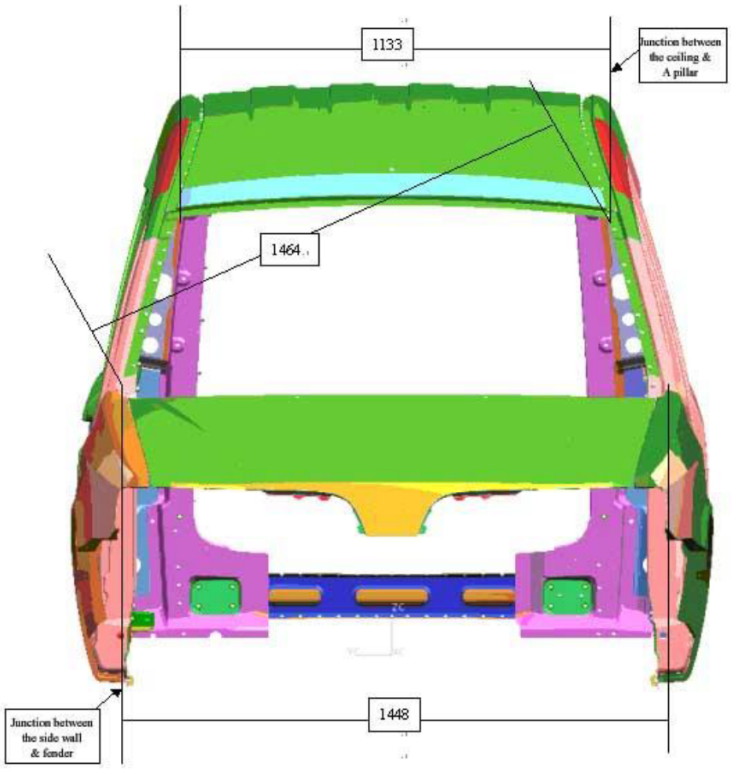
Symbol	Name	Aperture	Symbol	Name	Aperture
A	Wiper assembly hole	9	Ee	Headlamp cross bar assembly hole	10
Bb	Fender assembly hole	8	Ff	Headlamp assembly hole	9
Cc	Shock absorber hole	76	Gg	Condenser assembly hole	8.2
D	Fender assembly hole	8	H	Headlamp assembly hole	9

PDF created with pdfFactory Pro trial version www.pdffactory.com

IV. Windscreen dimension

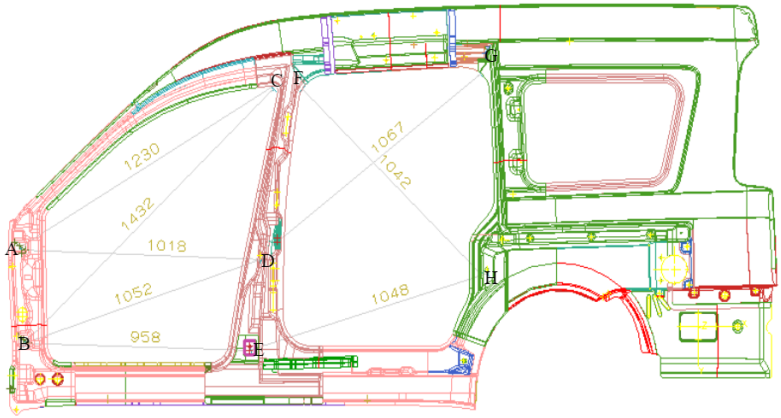


PDF created with pdfFactory Pro trial version www.pdffactory.com



PDF created with pdfFactory Pro trial version www.pdffactory.com

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

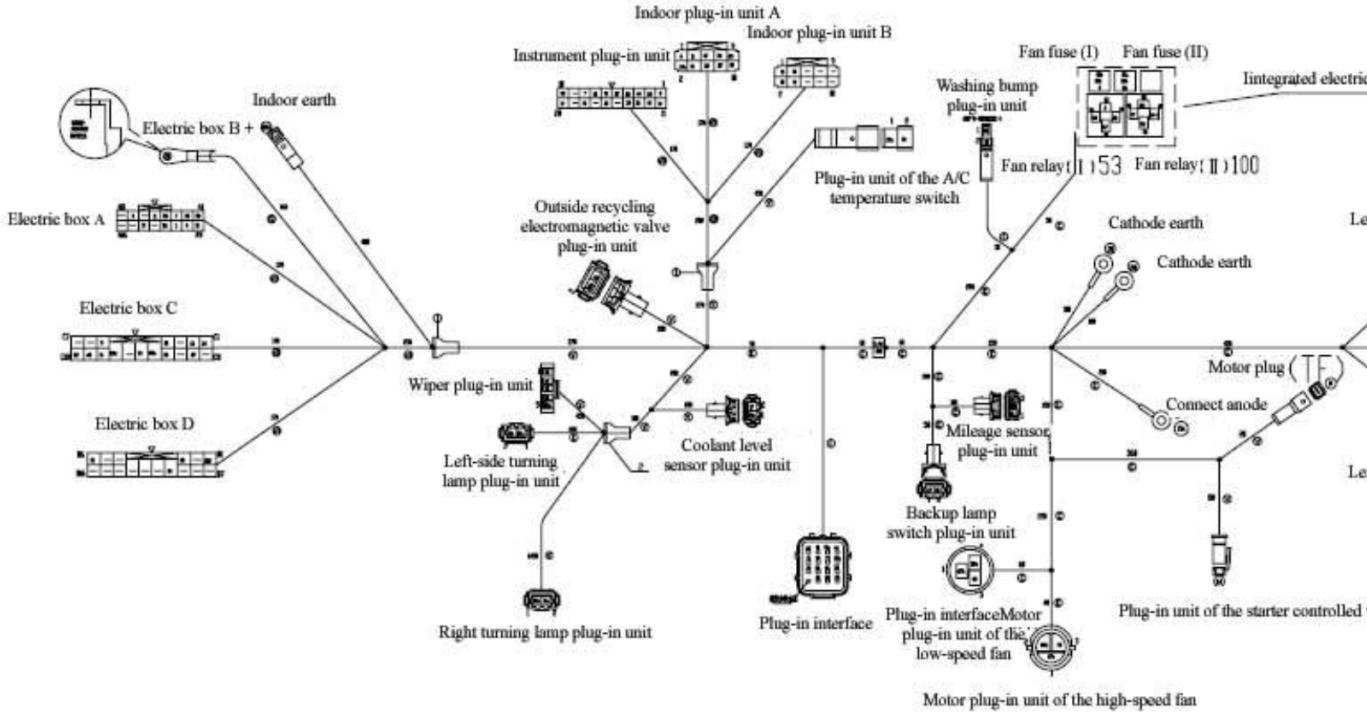
Symbol	Name	Aperture	Symbol	Name	Aperture
Aa	Assembly point of the front door's upper hinge		F	Rear door guide way front upper corner at the point of the side wall	
Bb	Assembly point of the front door's down hinge		G	Rear door guide way rear upper corner at the point of the side wall	
Cc	Front door upper 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			

PDF created with pdfFactory Pro trial version www.pdffactory.com

Chapter Ⅺ Disassembly & Assembly of the Wiring Harness

Section I Wiring Harness of the Left Front Compartment

I. **Wiring harness sketch**



PDF created with pdfFactory Pro trial version www.pdffactory.com

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)

PDF created with pdfFactory Pro trial version www.pdffactory.com

	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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

	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,

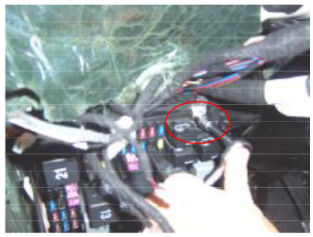
PDF created with pdfFactory Pro trial version www.pdffactory.com

(II).Attentions

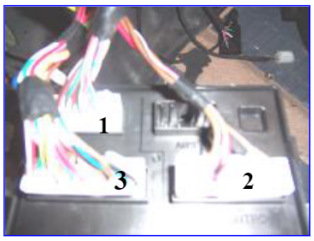
Firstly cutting the power is a must before disassemble electric components & wiring harness
The ignition switch must be in a close state.

(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

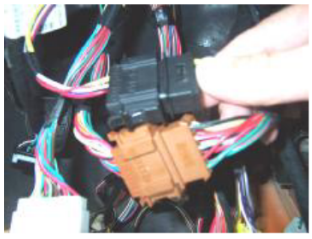


3. Please take out the earthed plug-in unit indoor
Notice: This earth is located below the left A pillar and left side of the pedal



PDF created with pdfFactory Pro trial version www.pdffactory.com

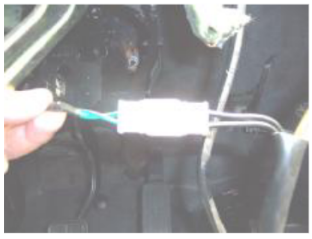
4.Please take out 2 plug-in units with the inside door



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

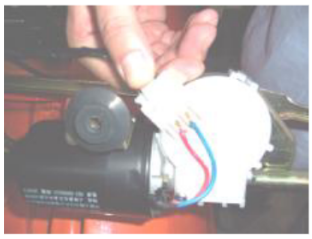


PDF created with pdfFactory Pro trial version www.pdffactory.com

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



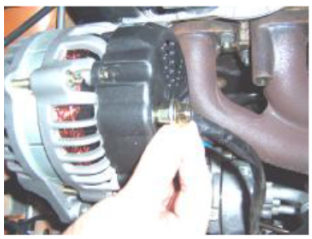
10. Take out the plug-in unit of the windshield wiper



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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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

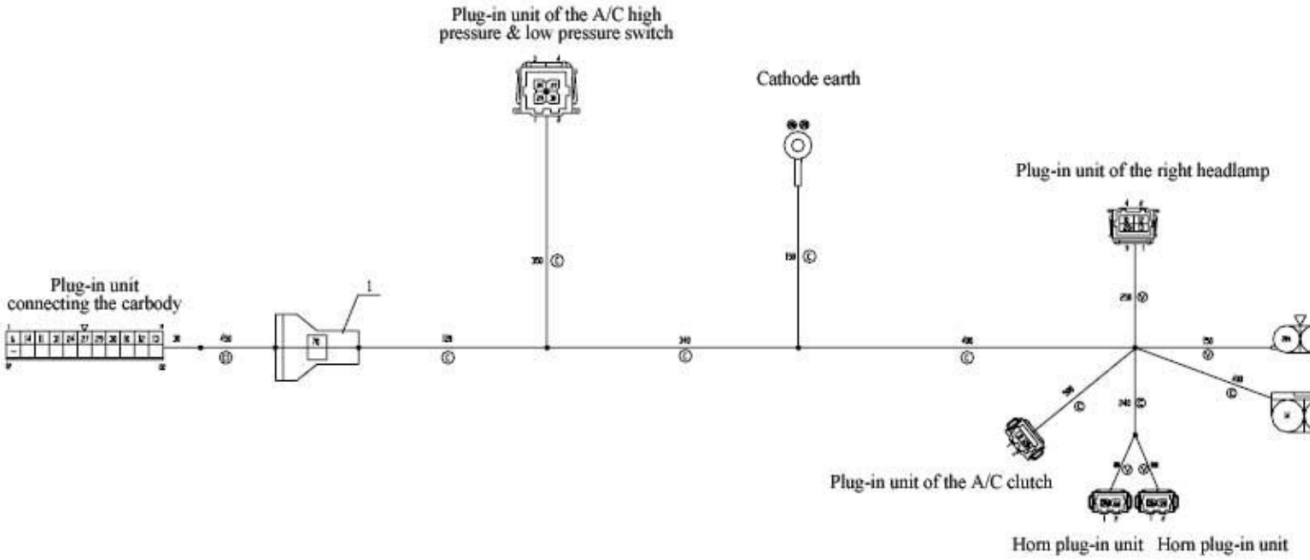
(III).Assembly steps

Assemble according to the inverted sequence of the disassembly

PDF created with pdfFactory Pro trial version www.pdffactory.com

Section Ⅱ Wiring Harness of the Front Compartment

I. Wiring harness sketch



PDF created with pdfFactory Pro trial version www.pdffactory.com

II. **Main plug-in units explanation**

Name of plug-in unit	Pin No.	Origin
Plug-in unit connecting carbody	1	Plug-in unit connecting carbody
	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 carbody
	2	Plug-in unit connecting carbody
	3	Plug-in unit connecting carbody
	4	Plug-in unit connecting carbody
Right front headlamp	1	Plug-in unit connecting carbody
	2	Plug-in unit connecting carbody
	3	Earth
	4	Plug-in unit connecting carbody
Plug-in unit of the right signal lamp	1	Earth
	2	Plug-in unit connecting carbody
Plug-in unit of the right fog lamp	1	Plug-in unit connecting carbody
	2	Earth
Horn plug-in unit (2 pcs.)	1	Earth
	2	Plug-in unit connecting carbody
Plug-in unit of the A/C clutch	1	Plug-in unit connecting carbody
	2	Earth

PDF created with pdfFactory Pro trial version www.pdffactory.com

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

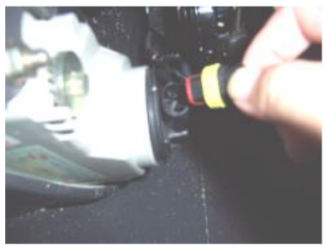
Firstly cutting the power is a must before disassemble electric components & wiring harness
The ignition switch must be in a close state.

(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

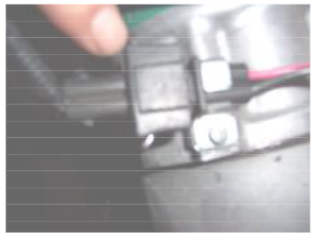


PDF created with pdfFactory Pro trial version www.pdffactory.com

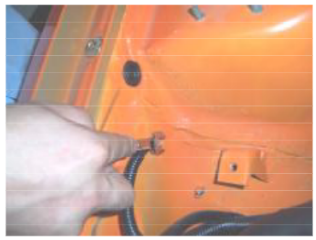
5. Please take out the plug-in unit with the horn from the under side of the front bumper



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



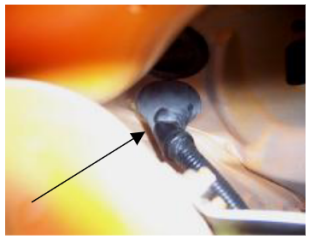
7. Please disassemble the negative electrode earthed wire at the right side with the wrench 10#



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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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



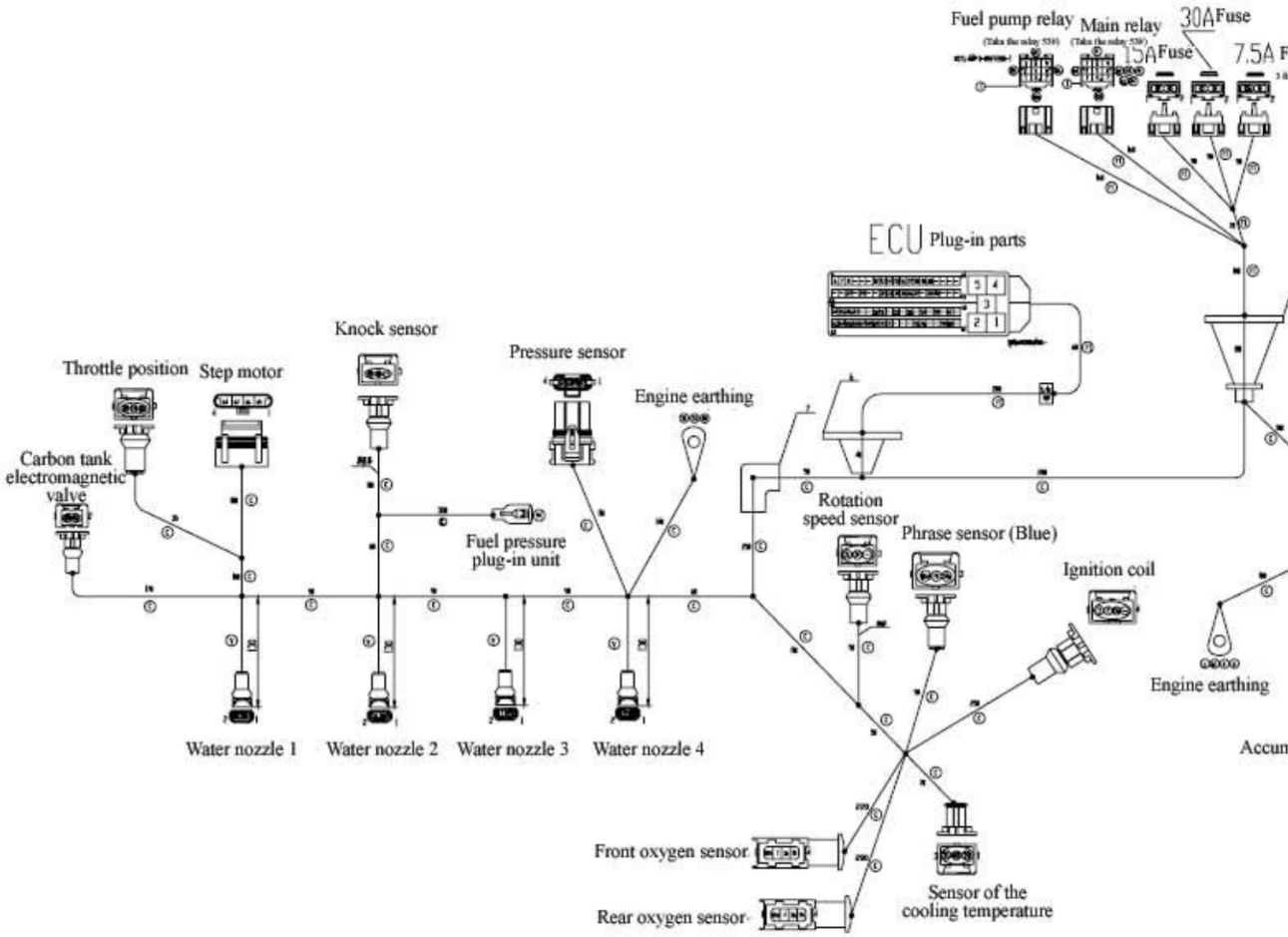
(IV).Assembly steps

Assemble according to the inverted sequence of the disassembly

PDF created with pdfFactory Pro trial version www.pdffactory.com

Section III Electrical Spray Wiring Harness of the Engine

I. **Wiring harness sketch**



PDF created with pdfFactory Pro trial version www.pdffactory.com

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	—

PDF created with pdfFactory Pro trial version www.pdffactory.com

	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	—

PDF created with pdfFactory Pro trial version www.pdffactory.com

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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 tale out the plug-in units with the main relay & fuel pump relay

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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.



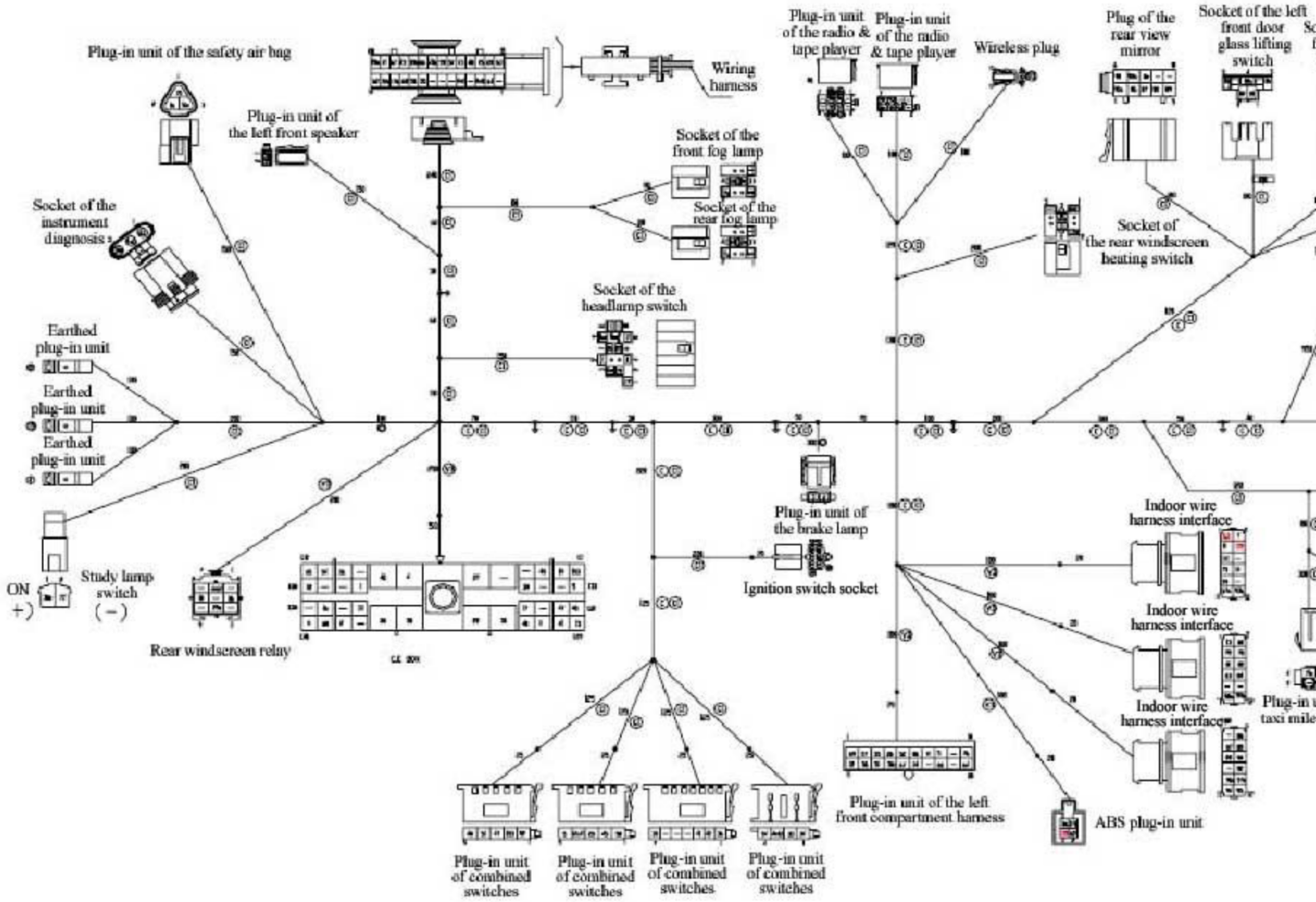
(IV).Assembly steps

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;

PDF created with pdfFactory Pro trial version www.pdffactory.com

Section IV Wiring Harness of the Instrument

I.Wiring harness sketch



PDF created with pdfFactory Pro trial version www.pdffactory.com

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	

PDF created with pdfFactory Pro trial version www.pdffactory.com

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).



PDF created with pdfFactory Pro trial version www.pdffactory.com

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.



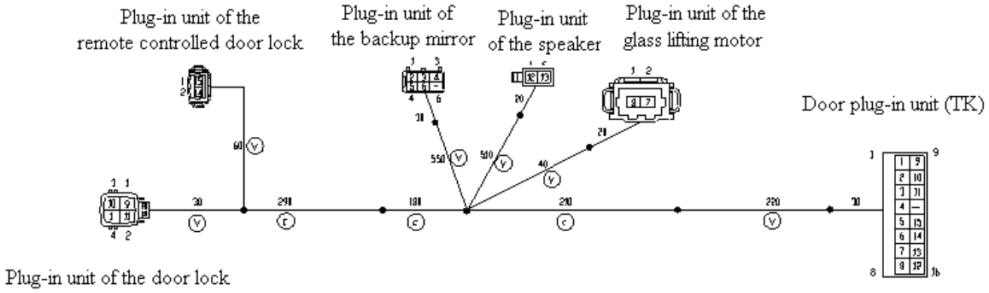
(IV).Assembly steps

Assemble according to the inverted sequence of the disassembly

PDF created with pdfFactory Pro trial version www.pdffactory.com

Section V Wiring Harness of the left front door

I. **Wiring harness sketch**



PDF created with pdfFactory Pro trial version www.pdffactory.com

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**

PDF created with pdfFactory Pro trial version www.pdffactory.com

(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



PDF created with pdfFactory Pro trial version www.pdffactory.com

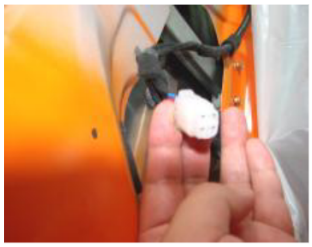
5. Please take out the plug-in unit with the exterior rear view mirror
(Notice: Selecting device)



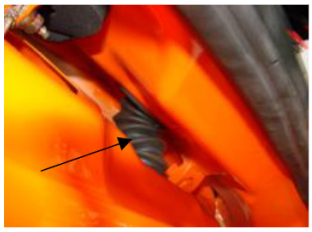
6. Please take out the plug-in unit with the remote controlled door stop
(Notice: Selecting device)



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



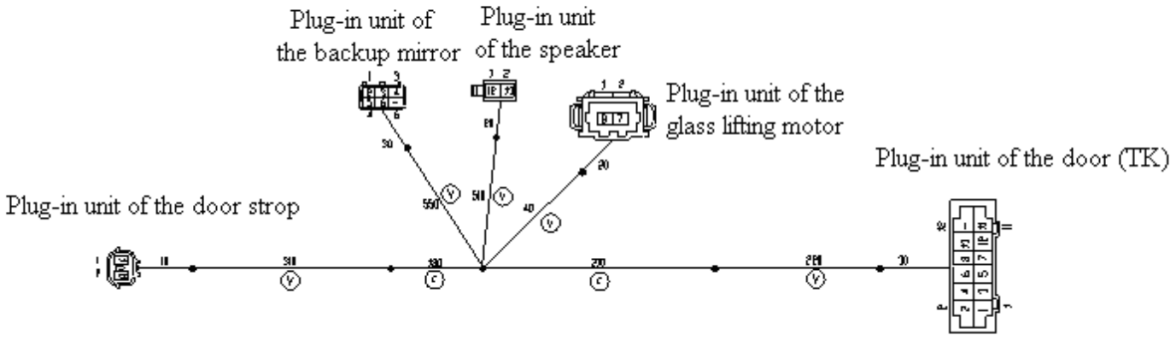
(IV).Assembly steps

Assemble according to the inverted sequence of the disassembly

PDF created with pdfFactory Pro trial version www.pdffactory.com

Section VI Wiring Harness of the Right Front Door

I. **Wiring harness sketch**



PDF created with pdfFactory Pro trial version www.pdffactory.com

II. **Main plug-in units explanation**

Name of plug-in unit	Pin No.	Origin
Plug-in unit of the door strop	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 strop
	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 strop
	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.

PDF created with pdfFactory Pro trial version www.pdffactory.com

(III).Disassembly steps

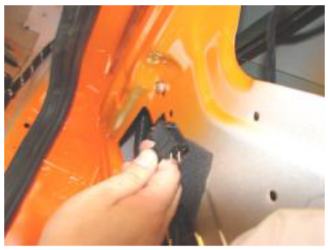
1. Please first disassemble the door shield of the right front door
2. Please take out the plug-in unit with the speaker



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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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



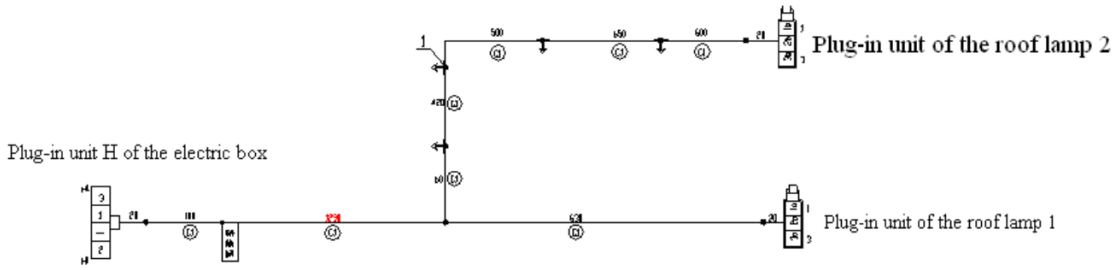
(IV).Assembly steps

Assemble according to the inverted sequence of the disassembly

PDF created with pdfFactory Pro trial version www.pdffactory.com

Section VII Roof Wiring Harness

I. **Wiring harness sketch**



PDF created with pdfFactory Pro trial version www.pdffactory.com

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.

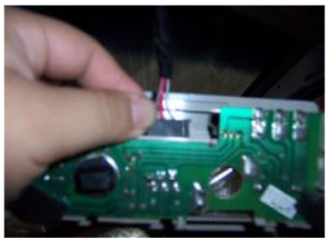
(III).Disassembly steps

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

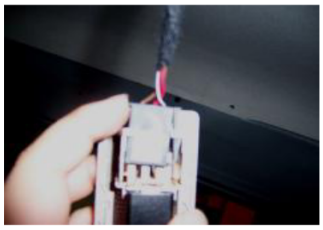


PDF created with pdfFactory Pro trial version www.pdffactory.com

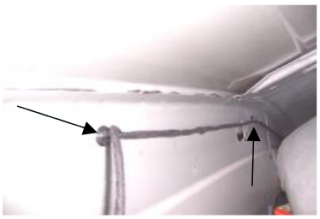
2. Take out the plug-in unit with the front ceiling lamp of the cab



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)



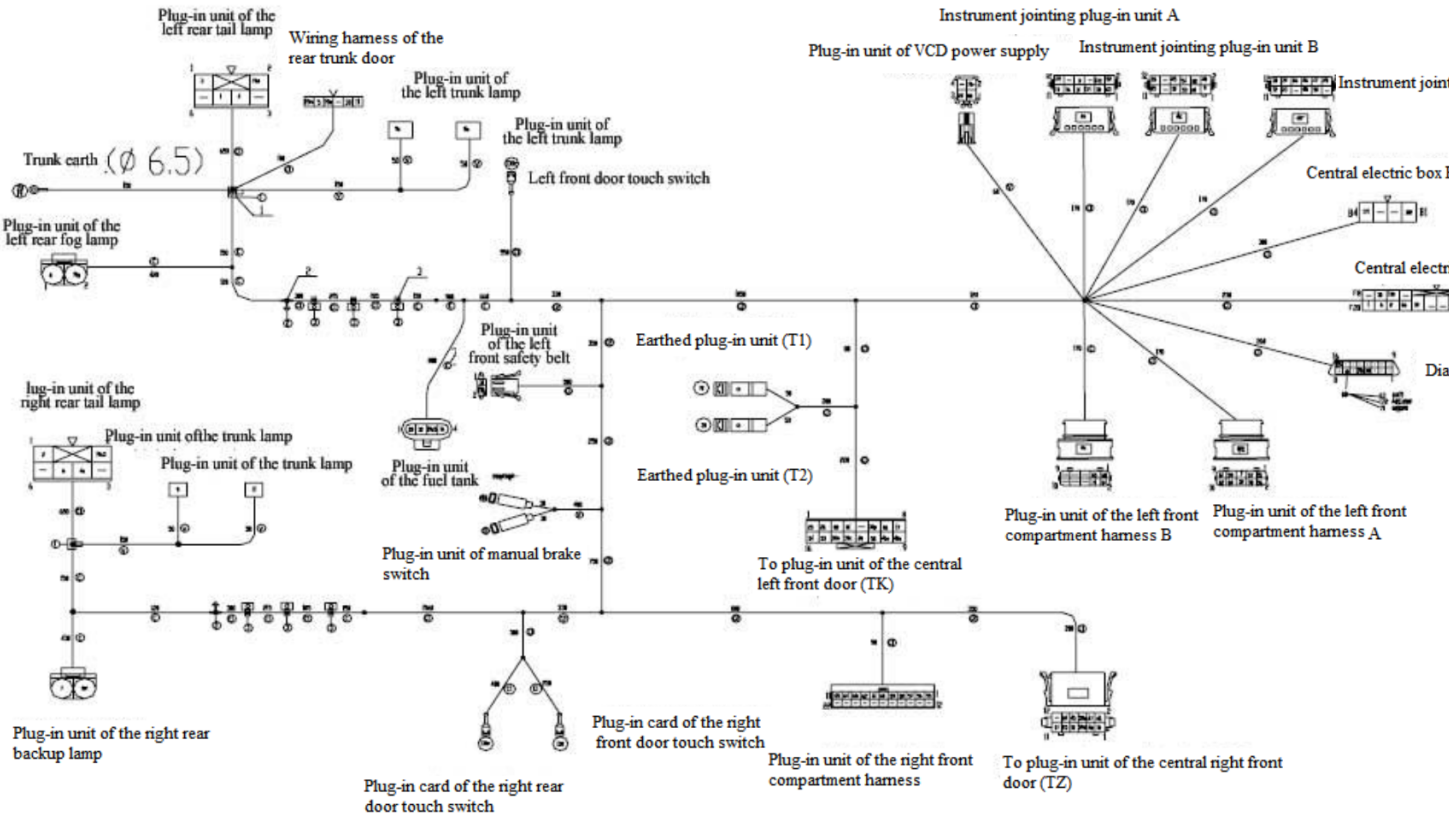
5. Disassemble the wiring clips and take out the wiring harness of the roof

(IV).Assembly steps

Assemble according to the inverted sequence of the disassembly

PDF created with pdfFactory Pro trial version www.pdffactory.com

Section VIII Wiring Harness Inside Floor



PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

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

PDF created with pdfFactory Pro trial version www.pdffactory.com

	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

PDF created with pdfFactory Pro trial version www.pdffactory.com

	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

PDF created with pdfFactory Pro trial version www.pdffactory.com

	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



PDF created with pdfFactory Pro trial version www.pdffactory.com



PDF created with pdfFactory Pro trial version www.pdffactory.com

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

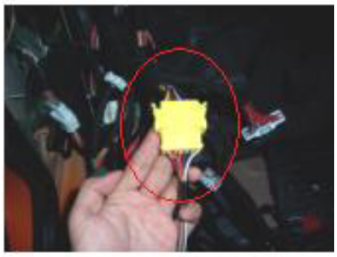
。





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





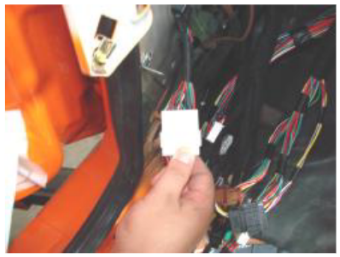
PDF created with pdfFactory Pro trial version www.pdffactory.com



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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

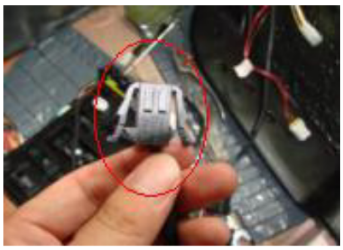
14. Take out the wiring harness interface of the rear trunk door



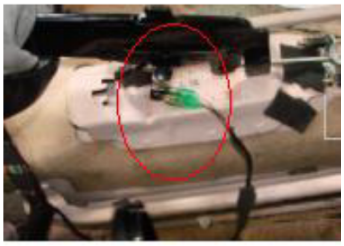
15. Take out the rear bumper (See the disassembly & assembly of the bumper), and then take out the plug-in unit of the fog lamp



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



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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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



PDF created with pdfFactory Pro trial version www.pdffactory.com

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



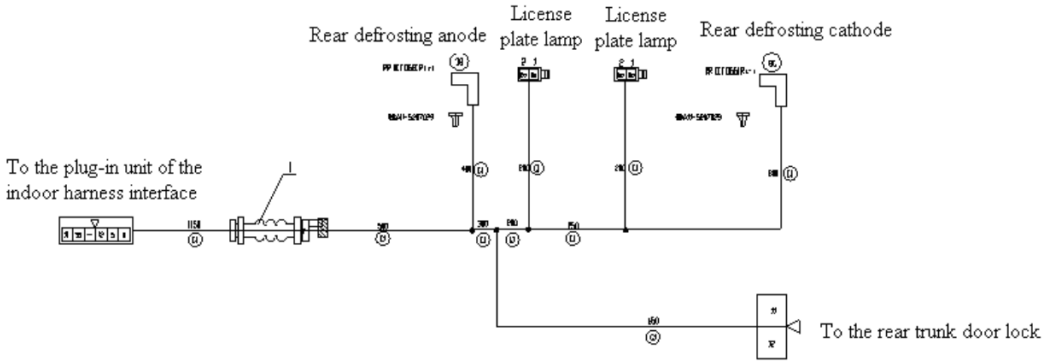
(IV).Assembly steps

Assemble according to the inverted sequence of the disassembl

PDF created with pdfFactory Pro trial version www.pdffactory.com

Section IX Wiring Harness of the Rear Trunk Door

I. **Wiring harness sketch**



PDF created with pdfFactory Pro trial version www.pdffactory.com

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

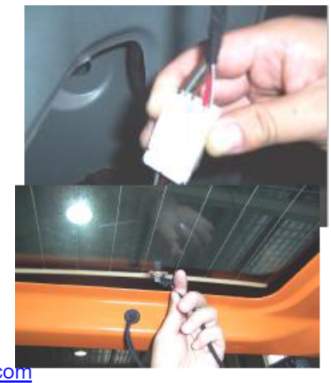
Part No.: A18-3724160

(I).Attentions

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

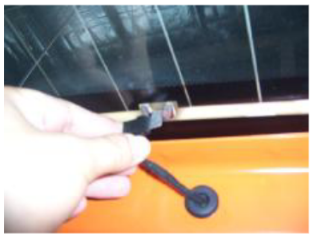
(II).Disassembly steps

1. Take out the plug-in unit of the wiring harness with the inside floor



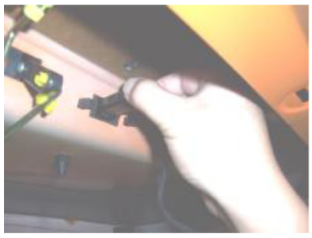
2. Take out the left & right plug-in units with the rear windshield glass defrost

PDF created with pdfFactory Pro trial version www.pdffactory.com



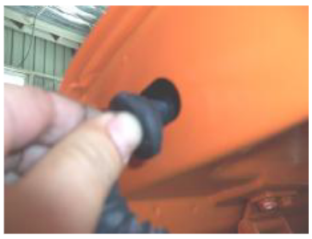
3. Take out the left & right plug-in units of the rear door license Plate lamp





PDF created with pdfFactory Pro trial version www.pdffactory.com

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.

PDF created with pdfFactory Pro trial version www.pdffactory.com