

Content

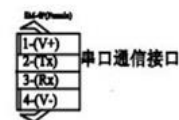
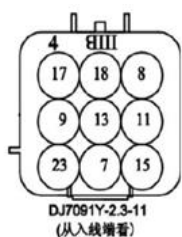
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I. Electrical Failure Mode And Plug Code

Analysis of alarm failure mode of controller

No.	Name	Alarm Mode	Processing	Fault Countermeasures
1	High Pedal Fault	Yowl	Not Running	Check and return the pedal
2	Precharge Failure	One long, Two short	Not Running	Check the power supply board for obvious damage and check whether the cable between the power supply and the control board is reliably connected
3	Over Current	One long, Three short	Halt	1. Adjust the controller parameters; 2. Adjust the output torque
4	Power Failure Of Main Circuit	One long, Five short	Halt	Check the main circuit fuse, contactor, emergency stop switch, etc.
5	Under Voltage Of Battery Pack	One long, Nine short	Halt	Need to charge
6	Battery Pack Overvoltage	One long, Ten short	Halt	Check whether the battery is normal and reduce the energy feedback properly
7	Motor Overheating	One long, Eleven short	Halt	Shutdown cooling
8	Accelerator Failure	One long, Thirteen short	Halt	Check whether the accelerator circuit is connected normally

Controller Plug Code



Basic function interface definition			Isolation speed interface definition			Motor temperature interface definition			Motor encoder interface definition		
No.	Color	Function	No.	Color	Function	No.	Color	Function	No.	Color	Function
17	Dark green	Throttle	31	Dark Gray	Isolation speed	19	soil-red	Motor temperature	21	Black	ground wire
18	Black	Ground wire	32	Black Green	Isolation Ground wire	16	Black	Temperature ground wire	3	orange	A phase
8	Pink	12V	30	Red	Isolation 12V				5	green	B phase
9	Gray	Throttle switch							25	Pink	12V
13	Brown	Forward									
11	Dark blue	Backward									
23	Yellow	Electric door lock									
7	Dark gray	Speed									
15	White	12V Brake									

II. Electrical System Maintenance Guidance

1 Battery Replacement

Document Number: C3GHJC032101100AA00


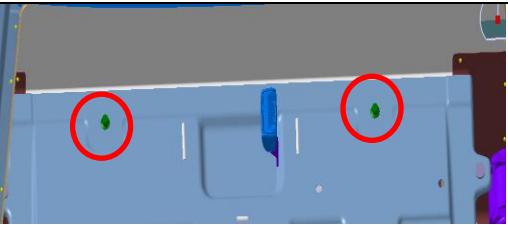
Tool:

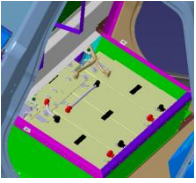
Name	Quantity	Model
Wrench	1	12#
Wrench	1	13#

Operating Position:



Working Step:

	<p>1. Remove the five connecting nuts at the bottom of the seat (one left and one right, two in the middle);</p>
	<p>2. Remove the two connecting bolts at the back of the seat cushion and remove the seat cushion;</p>



3. Turn off the main power switch and loosen the connection harness between the batteries.

4. Remove the battery and install the new battery in reverse order.

2 Motor Replacement

Document Number: C3GHJC032103101AA00

Tool:

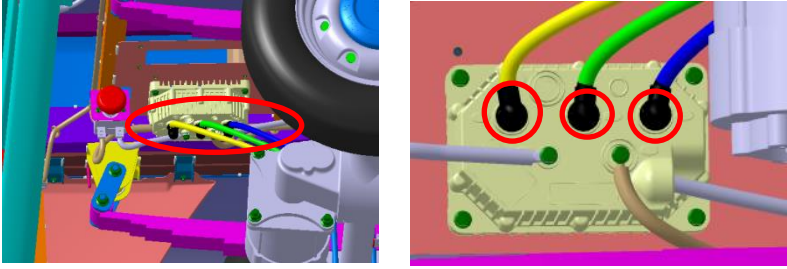
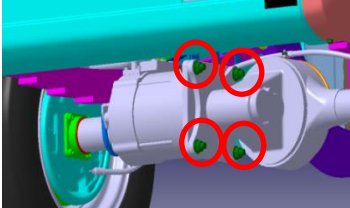
Name	Quantity	Model
Wrench	1	10#
Wrench	1	17#

Operating Position:



Working Step:

1. Turn off the main power switch, and put the vehicle on the bench then rise

	<p>2. Disconnect wiring harness connector between motor and controller</p> <p>3. Remove the motor power cord fastening bolt</p>
	<p>4. Loosen the bolt connecting the motor to the differential and remove the motor.</p> <p>Heavy motor, pay attention to safety.</p>
	<p>5. Replace the new motor and install it in reverse sequence.</p>

3 Controller Replacement

Document Number: C3GHJC032104101AA00

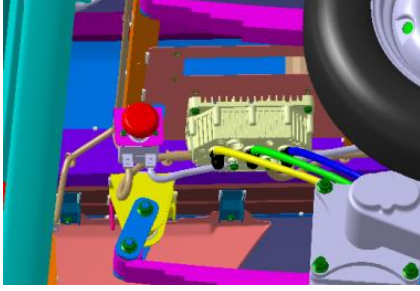
Tool:

Name	Quantity	Model
Wrench	1	10#

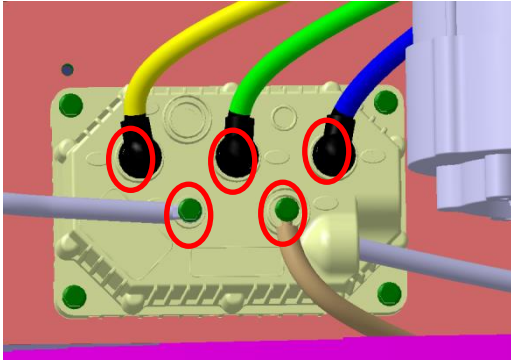
Operating Position:



Working Step:

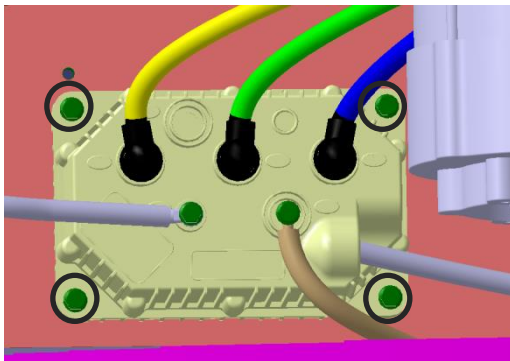


1. Turn off the main power switch.



2 Disconnect the harness connection plug of the controller.

3 Remove the connecting bolt, position the bolt as shown in the figure.



4. Remove the controller fastening bolt, as shown in the position bolt.

5. Replace the new controller, reverse installation

4 Charger Replacement

Document Number: C3GHJC032107101AA00

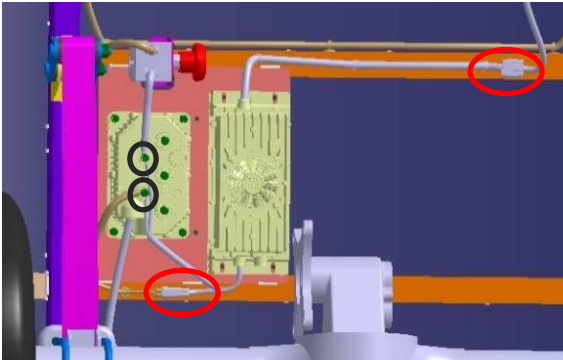
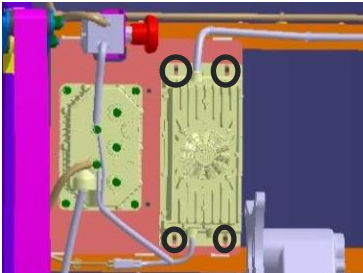
Tool:

Name	Quantity	Model
Wrench	1	10#

Operating Position:



Working Step:

	1. Turn off the main power switch.
	2 Disconnect the harness plugs at both ends of the charger. 3 Remove the connecting bolt between charger and controller harness.
	4 Remove the fastening bolt of the charger.
	5. Replace the new charger, reverse installation

5 Ignition Switch/Gear Switch/Warm Air Switch Replacement

Document Number: C3GHJC033704101AA00

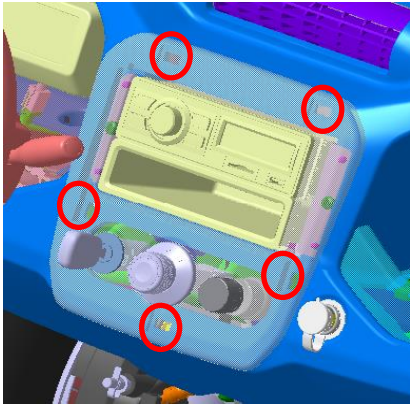
Tool:

Name	Quantity	Model
A screwdriver	1	
Cross screwdriver	1	

Operating Position:



Working Step:

	1. Pry open the clasp carefully as shown, and remove the radio cover.
	2. Remove ignition switch/gear switch /warm air switch and disconnect harness plug.
	3. Replace ignition switch/gear switch /warm air switch

6 Replace Combined Switch

Document Number: C3GHJC033774101AA00



Tool:

Name	Quantity	Model
Cross screwdriver	1	
Wrench	1	19#

Operating Position:



Working Step:

	1 . Remove the steering wheel
	2 . Remove the combined 2.1 Remove the two fixed bolts at the lower part of the combined switch 2.2 Disconnect the harness plug; 2.3 Remove the combination switch;
	3 . Reverse install the new combination switch.

7 Instrument Replacement

Document Number: C3GHJC033820101AA00

Tool:

Name	Quantity	Model
Cross screwdriver	1	
Wrench	1	8#

Operating Position:



Working Step:

	<p>1. Remove the fastening bolt of the left storage box and take out the left storage box.</p>
	<p>2. Disconnect the harness plug;</p>
	<p>3.Remove the instrument 4. Reverse install the new instrument.</p>

8 Wiper Motor Replacement

Document Number: C3GHJC033741101AA00

Tool:

Name	Quantity	Model
Wrench	1	8#
Wrench	1	10#
Cross screwdriver	1	

Operating Position:



Working Step:

	<ol style="list-style-type: none"> 1 . Remove cover. 2 . Remove nut. 3 . Remove the wiper arm.
	<ol style="list-style-type: none"> 4. Open the front container cover. 5. Remove the front container.
	<ol style="list-style-type: none"> 6. Disconnect wiper motor harness plug. 7. Remove the fixed bolts of wiper motor 8.Remove the wiper motor.
	<ol style="list-style-type: none"> 9. Reverse install the new wiper motor.

9 Steering Light Replacement

Document Number: C3GHJC034111101AA00

Tool:

Name	Quantity	Model
Cross screwdriver	1	

Operating Position:



Working Step:

	<ol style="list-style-type: none"> 1. Open the front container cover. 2. Remove the front container.
	<ol style="list-style-type: none"> 2. Disconnect the wiring harness plug of the steering light.
	<ol style="list-style-type: none"> 3. Push the buckle hard and remove the steering light.
	<ol style="list-style-type: none"> 4. Reverse install the new steering light.

10 Player Replacement

Document Number: C3GHJC037901101AA00

Tool:

Name	Quantity	Model
Cross screwdriver	1	
Wrench	1	8#

Operating Position:



Working Step:

	<p>1. Pry open the clasp carefully as shown, and remove the radio cover.</p>
	<p>2. Disconnect the harness plug of the player;</p> <p>3. Remove the fixed bolts of the player</p> <p>4. Remove the player;</p>
	<p>4. Reverse install the new player.</p>

11 Headlight Replacement

Document Number: C3GHC325110V01

Tool:

Name	Quantity	Model
Cross screwdriver	1	
Wrench	1	8#

Operating Position:



Working Step:

	<ol style="list-style-type: none"> 1. Open the front container cover. 2. Remove the front container.
	<ol style="list-style-type: none"> 3. Disconnect the harness plug of the headlight;
	<ol style="list-style-type: none"> 3. Remove the fixed bolts of the headlight 4. Remove the headlight;
	<ol style="list-style-type: none"> 4. Reverse install the new player.

III. Chassis System Maintenance Guidance

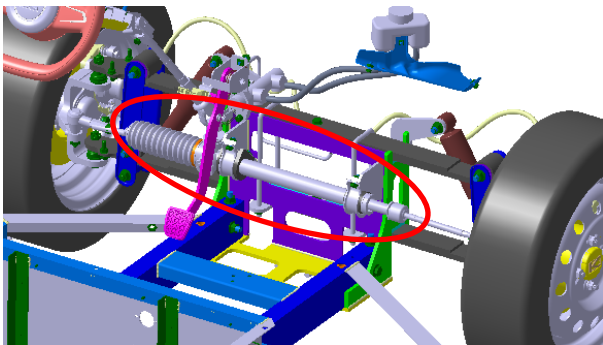
1 Steering Gear Replacement

Document Number: C3GHJC033401010AA00

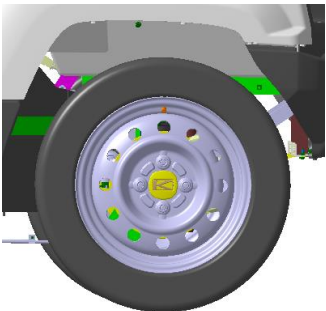
Tool:

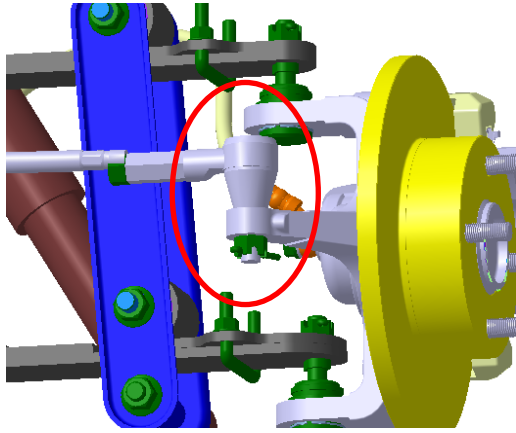
Name	Quantity	Model
Wrench	1	10#
Wrench	1	17#
Cross screwdriver	1	

Operating Position:

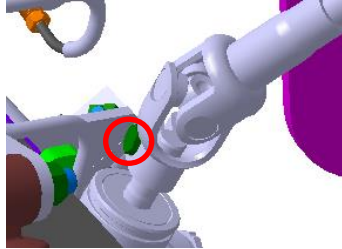


Working Step:

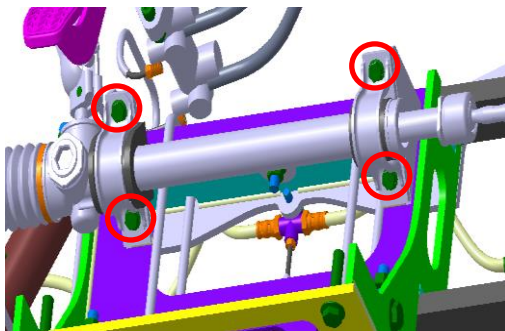
	1. Remove four fastening bolts from steering string.
	2. Remove the front wheels



3. Remove the steering gear ball head bolts of both sides and take out the ball head



4. Remove the steering gear connecting bolt at the universal joint of the steering string.
5. Remove the steering string.



6. Remove the retaining bolt of the steering gear, as shown in the figure.

7. Remove the steering gear, replace the new steering gear, install in reverse order.

2 Brake Pump Replacement

Document Number: C3GHJC033505100CA00

Tool:

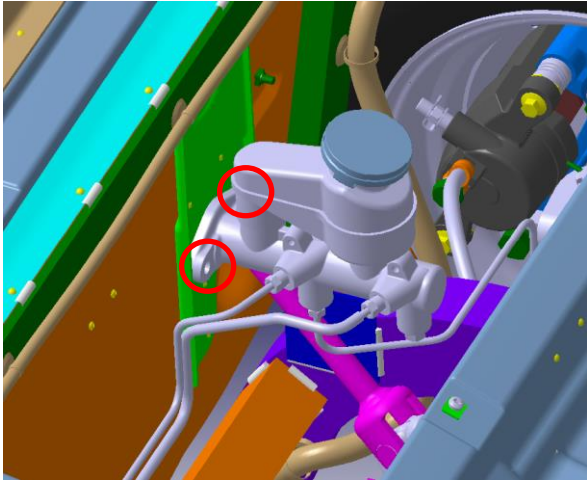
Name	Quantity	Model
Cross screwdriver	1	
Wrench	1	10#
Wrench	1	8#

Operating Position:

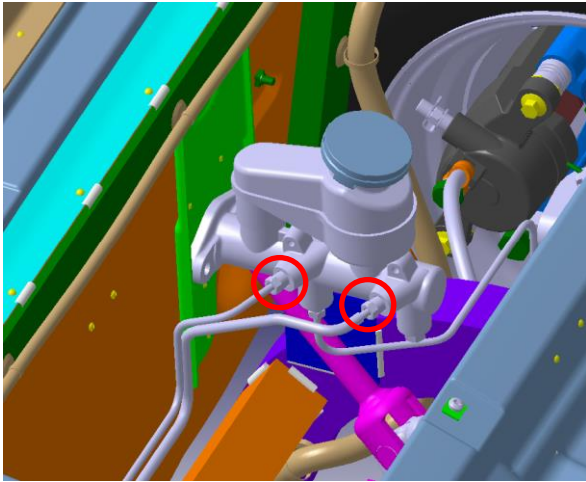


Working Step:

	<p>1. Remove the connecting pin between the brake pump and the pedal</p>
	<p>2. Open the front container cover. 3. Remove the front container.</p>



3. Remove the fastening bolts of brake pump.



4. Disconnect the connecting hose and remove the brake pump

5. Replace the new brake pump, install in reverse order.

6. Add 400 ml brake fluid and adjust brake by exhaust.

3 Rear Axle Replacement

Document Number: C3GHJC032400100AA00


Tool:

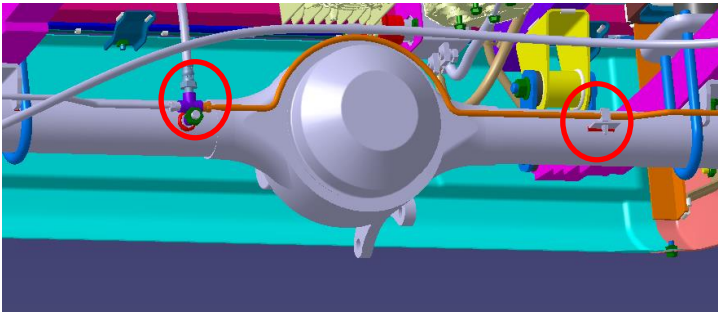
Name	Quantity	Model
Wrench	1	19#
Wrench	1	17#
Wrench	1	13#
Wrench	1	10#
Cross screwdriver	1	

Operating Position:

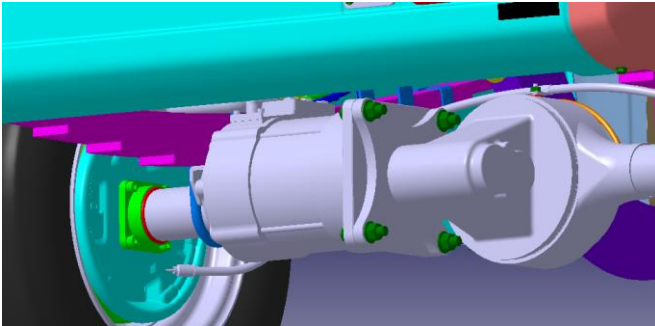


Working Step:

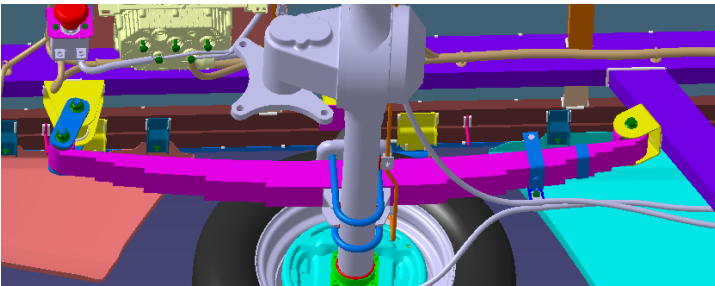
	1. Place the vehicle on the lift and lift it.
 Two side-by-side images of a rear wheel. The left image shows the wheel with a blue hub cover. The right image shows the wheel with the hub cover removed, revealing the hub and brake components.	2. Remove hub cover and rear wheel.



3. Remove rear brake tubing fixing bolts and snaps.
4. Remove the left and right brake pump.



5. Remove the motor (see Motor Replacement Operational Guidance)



6. Remove the left and right leaf spring retaining bolts.

7. Remove the rear axle, replace the new bridge and install it in reverse order.

4 Brake pedal adjustment

Document Number: C3GHHC033504100AA00

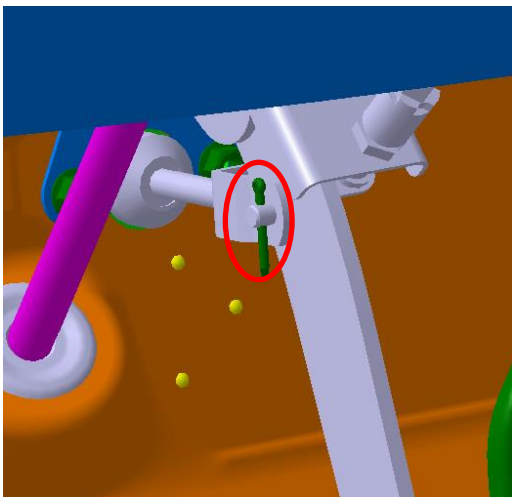
Tool:

Name	Quantity	Model
Wrench	12#	

Operating Position:



Working Step:



1. Remove the pin shaft;
2. Loosen the fixed nut at the back end of the pull rod;
3. Turning the joint, adjusting the length of the pull rod, lengthening the stroke by shorting the pull rod, and reducing the stroke by lengthening the drawbar.
4. Connect the tie rod to the pedal again

5 Brake Discs Replacement

Document Number: C3GHJC038403101AC00

Tool:

Name	Quantity	Model
Wrench	1	19#
Wrench	1	27#
Lifting Jack	1	

Operating Position:



Working Step:

	<ol style="list-style-type: none"> 1. Remove the hub cover 2. loosen the axle head bolts and tire bolts
	<ol style="list-style-type: none"> 3. Jack up the tire and remove the tire.
	<ol style="list-style-type: none"> 4. Release the two fixed screw of brake pump fixing frame and remove the brake pump.
	<ol style="list-style-type: none"> 5. Pull the brake disc off the sheep horn shaft with puller and replace the new brake disc.
	<ol style="list-style-type: none"> 6. Install the new brake disc in reverse order

IV. Other Accessories Maintenance Guidance

1 Dashboard Replacement

Document Number: C3GHJC035306011DA00

Tool:

Name	Quantity	Model
Cross screwdriver	1	
Wrench	1	10#

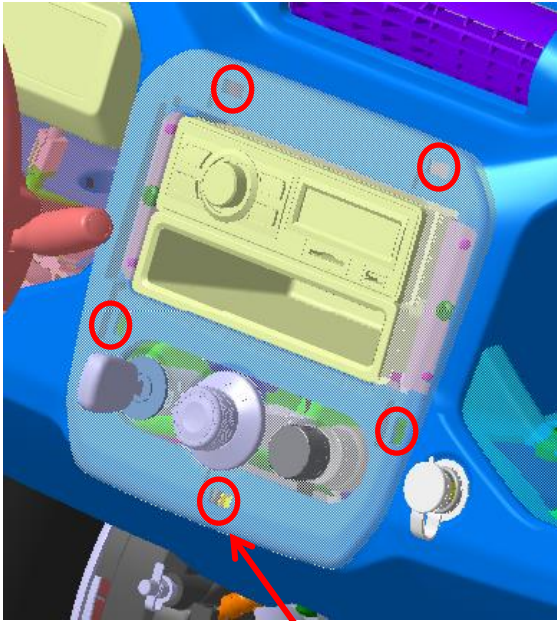
Operating Position:



Working Step:

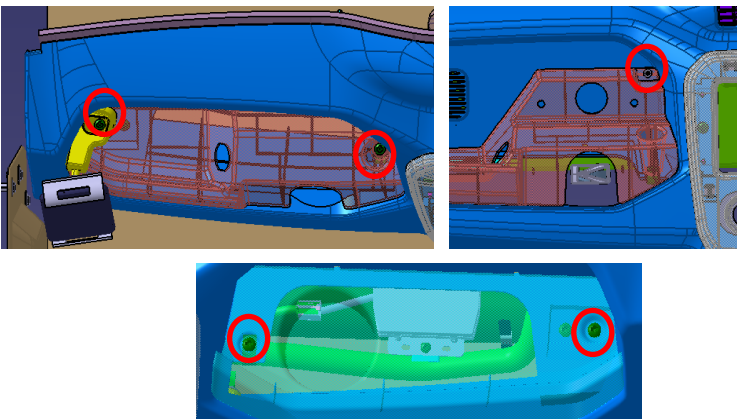


1. Remove the steering wheel and the combination switch.

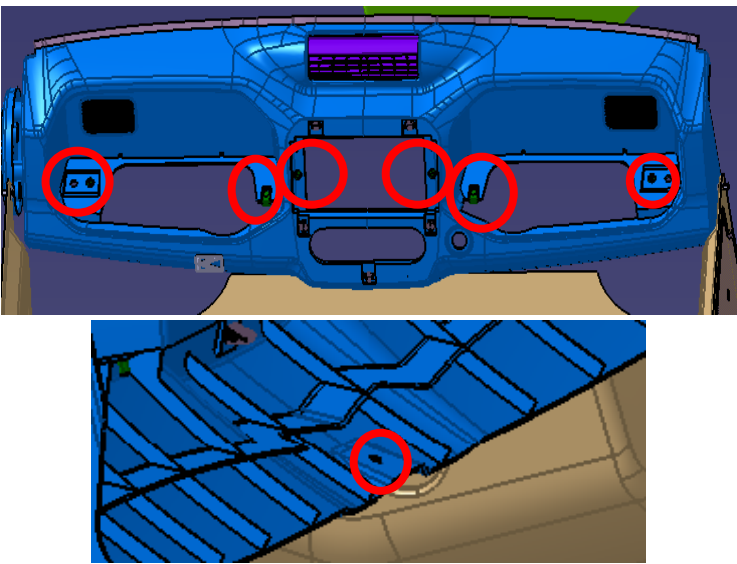


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2. Remove the cover and remove the radio.



3. Remove the left and right storage boxes of the instrument.



4. Remove the instrument panel.

5. Replace the instrument panel and install it reversely.

2 Wing Replacement

Document Number: C3GHJC038403101AC00

Tool:

Name	Quantity	Model
Wrench	1	8#

Operating Position:



Working Step:

	<p>1. Remove the plastic bolt above the front wheel housing;</p>
	<p>2. Remove the fastening bolts of the fender, front and rear;</p>
	<p>3. Open the cover plate of the cabin and remove 2 bolts; 4. open the door and remove 2 bolts;</p>
	<p>5. Remove the wing, disconnect the steering lamp plug and remove the steering lamp</p>
	<p>6. Install new wing in reverse order</p>

3 The Door Glass Replacement

Document Number: C3GHJC038403101AC00



Tool:



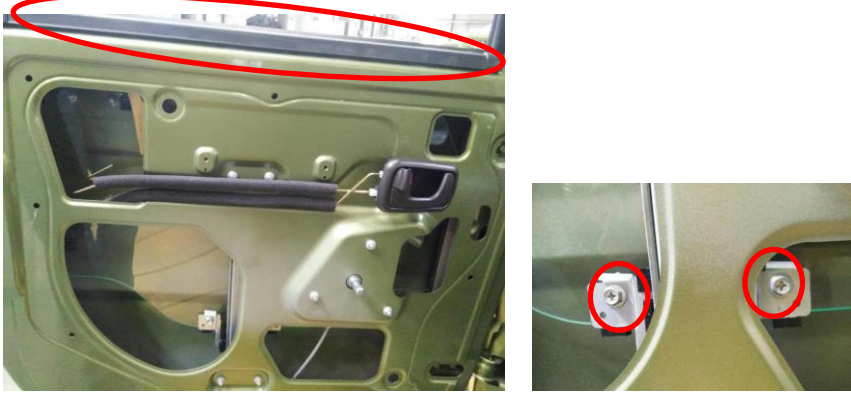
Name	Quantity	Model
A/ Cross screwdriver	1/1	
Wrench	1	10#

Operating Position:



Working Step:

	<ol style="list-style-type: none">1. Roll down the door glass;2. Remove the two bolts at both ends of the door handle and remove the door handle;
	<ol style="list-style-type: none">3. Pull out the internal clip spring with slotted screwdriver and remove the glass lifting handle;

	<p>4. Remove the fixed screw around the door trim;</p>
	<p>5. Remove the door handle bolt;</p> <p>6. Remove the interior trim panel;</p>
	<p>7. Remove the fixing door glass screws;</p> <p>8. Remove the glass mudguard;</p> <p>9. Take out the window glass upward;</p>
	<p>10. replace the new glass and adjust the position of the glass to make the glass lift smoothly;</p>

4 The Window Regulator Replacement

Document Number: C3GHJC038403101AC00

Tool:

Name	Quantity	Model
Cross screwdriver	1	
Wrench	1	10#

Operating Position:



Working Step:

	1. remove the door glass, see replacing the door glass
A close-up photograph of the internal metal structure of a car door. Several nuts are circled in red, indicating the locations where they need to be removed. The door is painted a light green color.	2. Remove the fixing nut of window regulator.
	3. take out the window regulator upward
	4. Replace the elevator and install it in reverse order.

5 Replacement of door Lock

Document Number: C3GHJC036105102DA00



Tool:






Tool Name	Quantity	Number
Slotted/cross screwdriver	1/1	
Inner six-flower wrench	1	M6
open-ended wrench	1	10#

Operating Position:



Operation Step:

	<ol style="list-style-type: none">Roll down the door glass;Remove the two bolts at both ends of the door handle and remove the door handle;
	<ol style="list-style-type: none">Pull out the internal clip spring with slotted screwdriver and remove the glass lifting handle;

	<p>4. Remove the fixed screw around the door trim;</p>
	<p>5. Remove the door handle bolt; 6. Remove the interior trim panel; 7. Raise the glass again</p>
	<p>8. Disconnect the connecting rods; 9. Disconnect the link between the exterior door handle and the door lock 10. Remove the lock retaining bolts;</p>
	<p>11. Remove the door lock retaining bolt and remove the lock from the inside; 12. Replace the new door lock, and reverse Sequence Installation.</p>
	<p>13. Remove the door lock retaining bolt and remove the lock from the inside; 14. Replace the new door lock, and reverse Sequence Installation.</p>