

## Benz new e intelligent electric suction door Installation process diagram

**matters** All the pictures in this manual are for reference only. There are  
**needing** slight differences between the pictures and the real objects due  
**attention** to different models, but the installation method is basically the  
same.

## preface

Thank you for choosing our intelligent electric door. I believe this product can bring you a comfortable, safe and convenient driving experience.

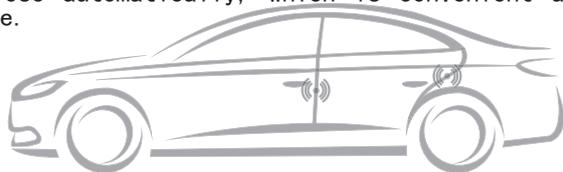
This manual will introduce the function, installation and performance of Benz series special intelligent electric door system. Please read this manual carefully before using this product.

In order to ensure the normal use of this product, please operate according to the installation of this manual, so as to avoid loss and injury due to improper operation.

Intellectual property rights of intelligent electric suction door and its accessories belong to the company and are protected by the laws of the people's Republic of China.

## Product function introduction

1. Close the door gently when the door lock reaches the first level lock, the electric suction door motor will start to quietly suck and lock the door, and the components of the door lock will automatically return to the original position.
2. The traditional door adopts the inertial gravity locking device, which requires a large force to fully close. This will not only generate a lot of noise, but also make the air in the closed car generate high pressure instantly, making the eardrum and body feel uncomfortable and uncomfortable. After the intelligent electric suction door is installed, the discomfort can be effectively removed. Especially in the case of narrow parking space, just close the door gently, and the electric suction door will close automatically, which is convenient and comfortable.



3. The electric suction door is generally only available for high-end luxury models. This intelligent electric suction door can also bring you high-end, comfortable, convenient and safe driving enjoyment.

## instructions

- automatic closing: after parking, close the door gently. When the door lock reaches the first level lock, the electric door motor will start to quietly suck and lock the door, and the components of the door lock will automatically return to the original position.
- manual door closing: when the door lock is closed manually, the closing function of the electric suction door will also work to ensure that the door is completely closed. Product assembly, transportation and storage

## Product assembly, transportation and storage

Installation environment: the installation site shall be kept clean and tidy. During the installation, there shall be no foreign matters and debris mixed into the lock head.

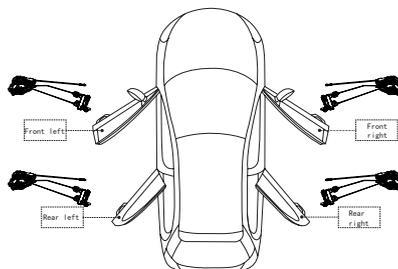
Transportation precautions: packed products can be transported by normal means of sea, land and air transportation. In the process of transportation, measures shall be taken to prevent from getting wet, direct sun exposure, strong impact, collision and vibration.

Storage: the packed equipment shall be stored in the warehouse without acid, alkali and other corrosive gases and strong magnetic field under the ambient temperature of  $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$  and relative humidity of less than 80%. Products with a storage period of 2 years and over 2 years shall be unpacked for inspection, and can enter the circulation field only after passing the re inspection.

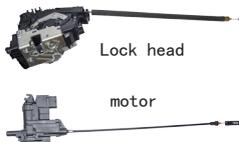
## Product maintenance and repair

1. Do not install or repair your product by yourself.
2. Installation or repair of this product by personnel who have not been trained in electronic equipment and auto parts may cause danger.
3. Please pay attention to all precautions in this manual and strictly follow the operation instructions.
5. Do not place the product in direct sunlight or high temperature for a long time, otherwise it may cause failure.
6. Please use in the following temperature range. Operating temperature range:  $-35^{\circ}\text{C} \sim +75^{\circ}\text{C}$ , storage Temperature range:  $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$ .

## 一、 Installation position on the vehicle



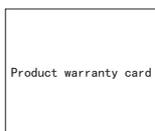
## 二、 List of accessories



Electric suction door assembly



Transfer power cord & positive and negative power cord



warranty card



certificate

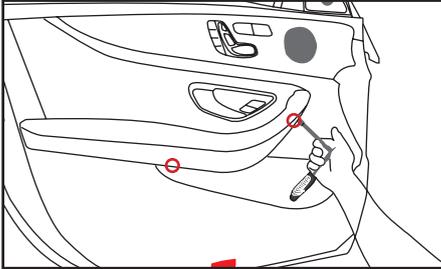
## 三、 Tools required

Electrical tape, plastic skid, sleeves of various specifications, cross screwdriver, slotted screwdriver and sundry bucket.

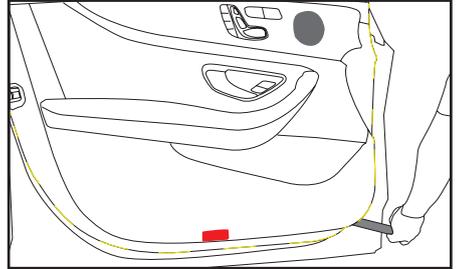
#### 四、Precautions for disassembly

1. Before installation, in order to ensure the safety of operation, removing the negative pole of the battery will cause the glass to fail to rise and fall, and some high-end vehicles need to activate the electrical appliances on the vehicle after removing the battery, so the previously stored settings will disappear, so the battery cannot be removed. Please check whether the type and quantity of parts are complete, and wrap the vulnerable and scratched parts with pearl cotton before installation.
2. In order to ensure the safety and normal use of the product, please install it by professional staff. Do not dismantle the machine without permission to avoid unnecessary damage.
3. Check whether the buttons, window regulator, original door lock opening, door closing and locking are normal.
4. Before operation, the installation personnel must take off the metal or other hard objects carried on their body and place them outside the vehicle to prevent scratching of the car seat, interior decoration, door, etc. during operation.
5. Due to the large number of parts removed during the installation, please properly place the removed parts to ensure that the subsequent recovery work can be carried out smoothly.
6. Please route according to the steps of the installation flow chart to avoid affecting the moving parts of the car during the routing process. After the wiring is arranged, the wiring harness needs to be fixed to prevent looseness, vibration and abnormal noise.
7. Please do not plug in the connected plug with electricity after connecting the power supply, so as to avoid damaging the main engine or the fuse of the original vehicle, causing other damages and abnormalities.
8. During the disassembly and reassembly of all parts, please confirm whether the rubber nails and clips are in good condition. If they are damaged, please replace them to avoid abnormal noise during driving.
9. In the narrow position of the operation space, take care that the screws fall into the vehicle. If the screw falls into the car, please take it out, otherwise, the car will make a strange noise when walking.

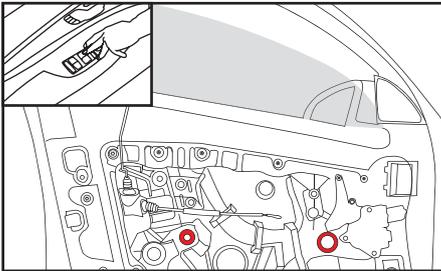
## A. Main driver's door panel removal procedure



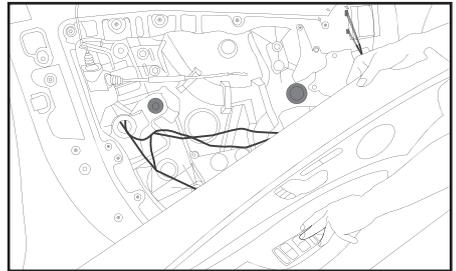
1. Remove the fixing screws of the interior door trim panel under the armrest side



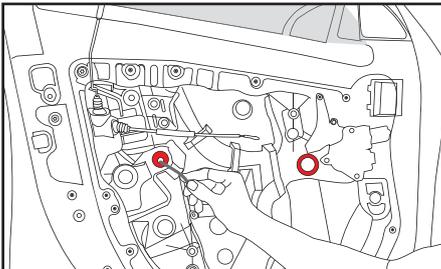
2. Use the pry plate to pry all points of the door opening trim plate along the edge of the inner door trim plate to fix the clips



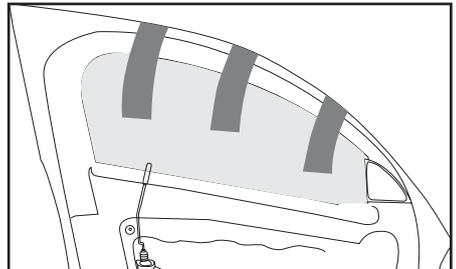
3. Remove the rubber cover of the fixing screws of the window regulator on both sides, and press the button of the window regulator switch to lower the glass to the proper position (Note: adjust it to the fixing screw hole of the window regulator and screw it to the screw)



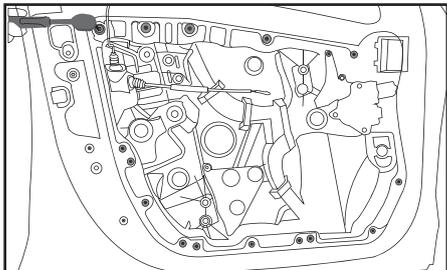
4. Unplug the central control switch harness connector and remove the door panel



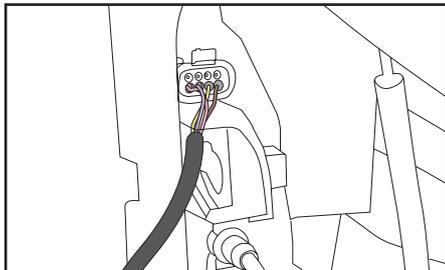
5. Use a Phillips screwdriver to loosen the fixing screws on the window regulator,  
Note: the screw should be loosened about 2-3 turns without removing the whole screw



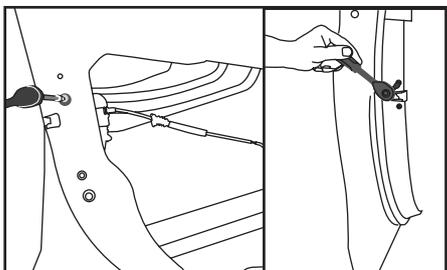
6. Push the door glass upward to the closed state, and use the electrical tape to stick the glass tightly to prevent the glass from falling and damaging



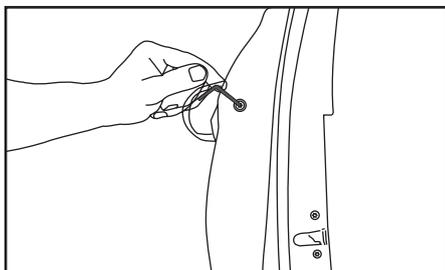
7. Remove the fixing screws around the waterproof and sound insulation board and remove the waterproof and sound insulation board



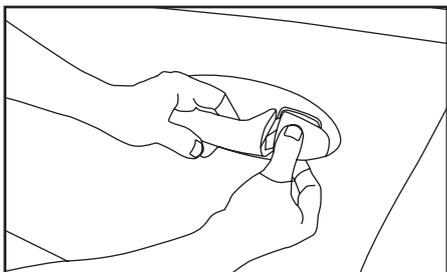
8. Unplug the central control signal harness plug of the original lock



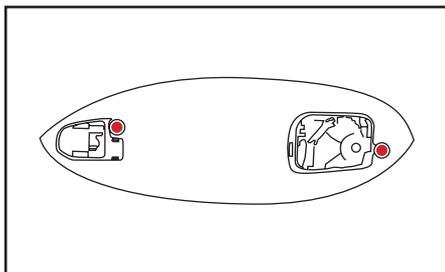
9. Remove 3 fixing screws of the lock head of the original vehicle



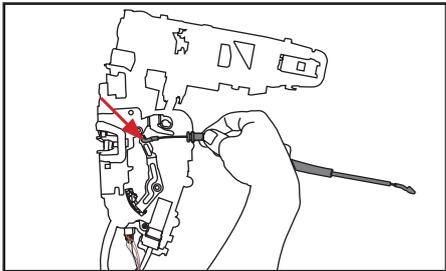
10. Remove the decorative cover of the fixing screw of the key emergency lock cylinder, and loosen the fixing screw of the key emergency lock cylinder with a plum screwdriver



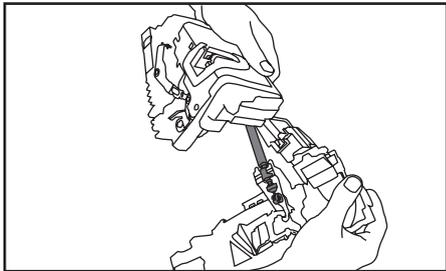
11. Take out the key emergency lock cylinder



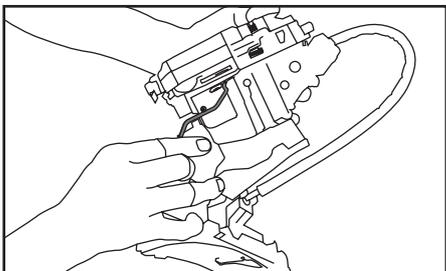
12. Remove the outer door handle and loosen the fixing screw of the door handle bracket



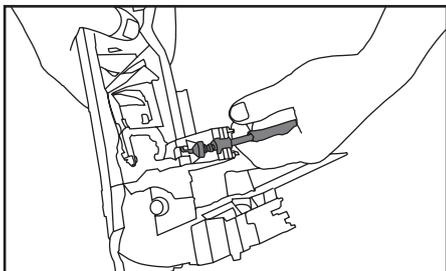
13. Take out the lock head of the original vehicle and the outer door handle bracket as a whole, and remove the inner door handle cable line



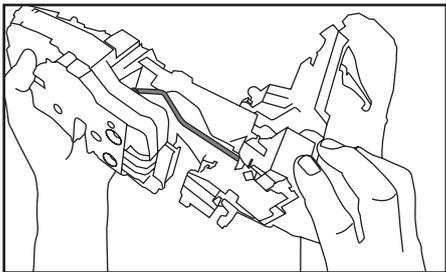
14. Separate the original lock from the outer door handle bracket



15. Remove the key emergency lock linkage rod

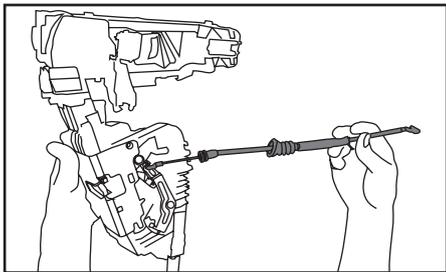


16. Remove the outer door handle cable

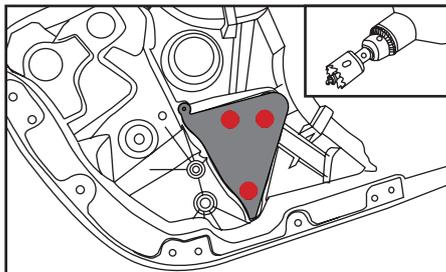


17. assemble the electric suction lock head with the original outer door handle bracket

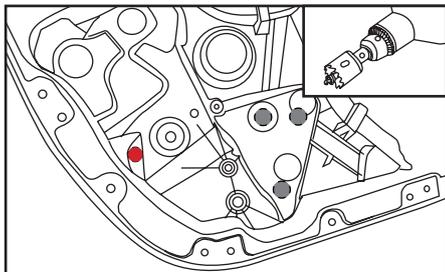
**Note:** the key emergency linkage rod shall be installed together during installation



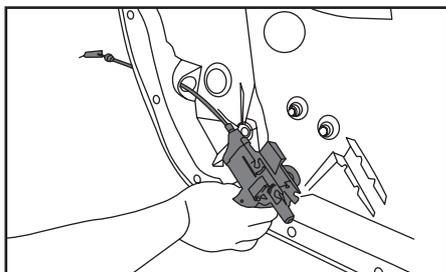
18. Install the inner door handle cable



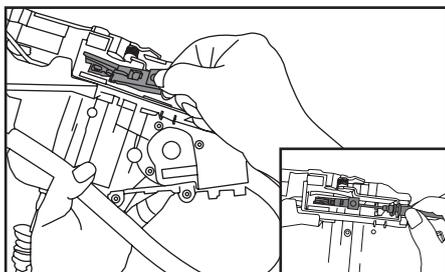
19. Use a 23mm hole opener to open 3 mounting holes of shockproof rubber pad at the small circular positioning point; hole opening operation: take out the distribution hole opening mold sticker, make the benchmark according to the upper left corner hole, stick it along the surrounding diamond edge, and open the hole at the center of the small circular hole mark of the mold paper



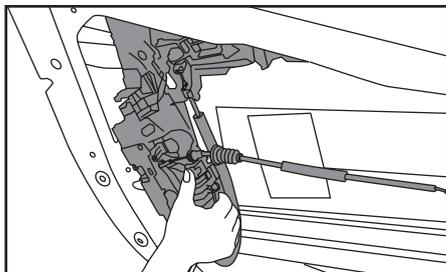
20. Use a 23mm hole opener to open a wire hole for the electric suction motor cable



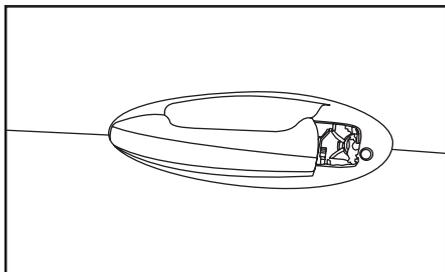
21. Put the self-priming motor cable through the hole



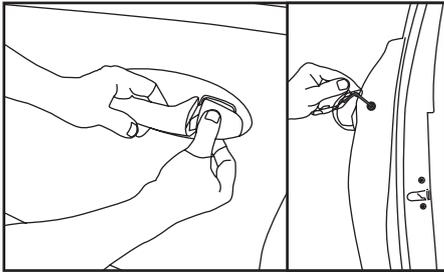
22. Buckle the motor cable onto the electric suction hook of the lock head, and install the cable into the fixing groove at the same time



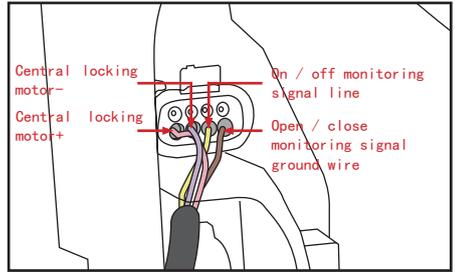
23. Install the assembled electric suction lock to the corresponding position of the door, and lock the fixing screw



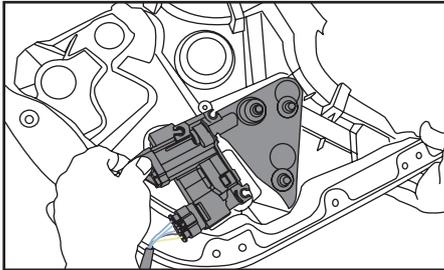
24. Lock the fixing screw of handle bracket and install the handle back to the outer door



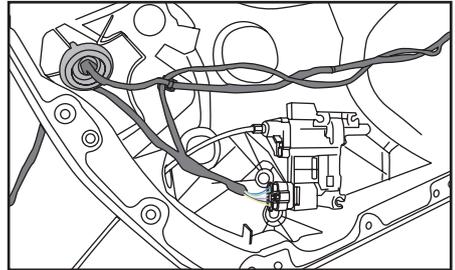
25. Install the key emergency lock cylinder and lock the fixing screw



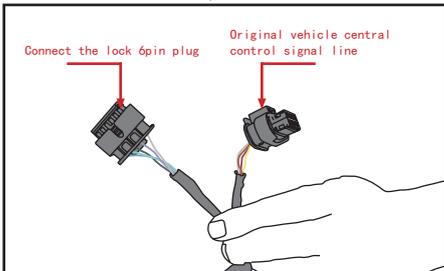
26. Check the definition sequence of the ground wire foot position of the central control harness of the original vehicle lock. The brown yellow is the door opening and closing signal ground wire, which is correct as shown in the figure above. The brown yellow ground wire ranks first at the lower right side. **Precautions during installation: if it is found that the position of the signal ground wire of the original vehicle is opposite to that of the switch signal wire, please adjust it to the correct position as shown in the figure above by the installation technician**



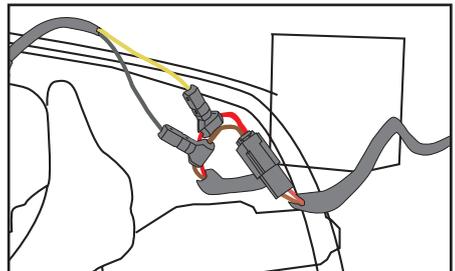
27. Install the shock pad of the fixed motor, and fix the self-priming motor into the shock pad installation slot as shown in the figure above; **(pay attention to the installation direction of the motor)**



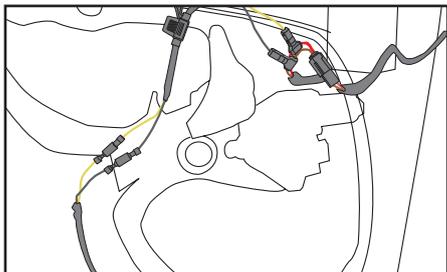
28. Use a pair of pliers to cut the rubber sleeve of the wire harness through the wire opening, and the power signal line passes through the opening as shown in the figure above



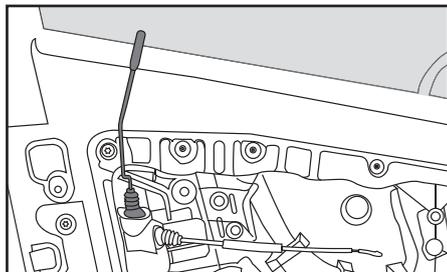
29. Install the electric suction cable buckle to the corresponding position of the lock head, smooth the power signal harness and the original vehicle central control signal harness, and connect them to the corresponding position on the lock head



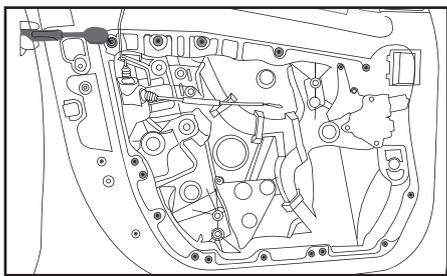
30. Install the sound insulation board in place, clamp the yellow wire in the T-type take-off wire harness with fuse box on the ECU of the original vehicle with red + 12V constant power, and clamp the black wire on the brown GND (ground) wire. **Note: the take-off clamp needs to be clamped in place, and use a multimeter to measure whether there is a normal 12 output**



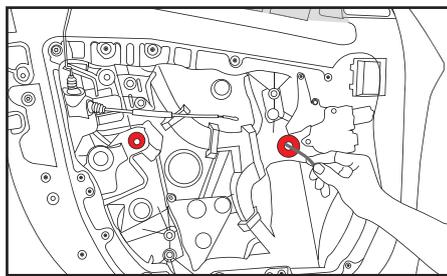
31. Connect the positive and negative power take-off connector, smooth the harness and fix the harness with a tie strip, test the suction lock's suction function: if the locking tongue is pressed to the first level lock with a tool, check whether the suction function is normal, and check whether the remote control lock is normal



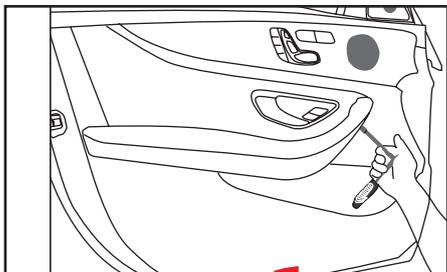
32. Install the central locking prompt link



33. Lock the fixing screws around the waterproof and sound insulation board

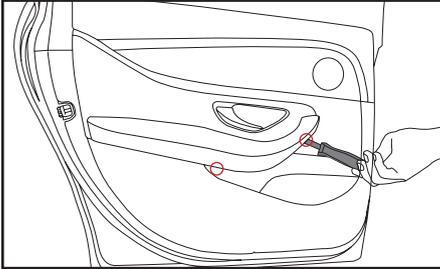


34. Remove the adhesive tape to fix the glass along the sliding guide rail of the door into the fixed position of the window regulator, and lock the two fastening screws

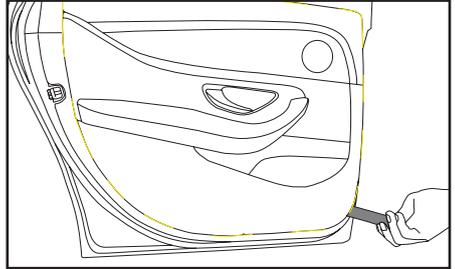


35. Plug in the central control button plug of the inner door, install the inner door trim panel, lock and fix the screws of the inner door trim panel, and the installation is completed

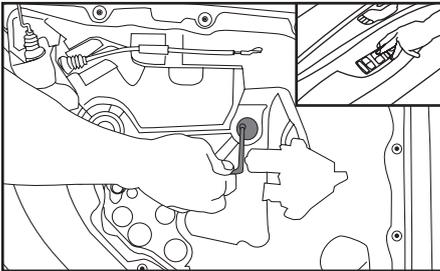
## B. Removal procedure of rear door panel



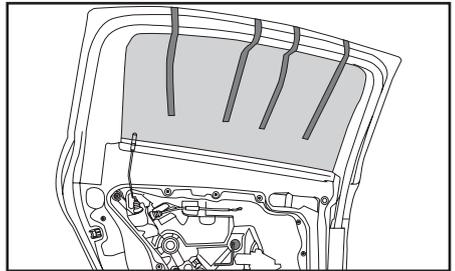
1. Remove two fixing screws from the inner door trim panel under the armrest side of the left rear door



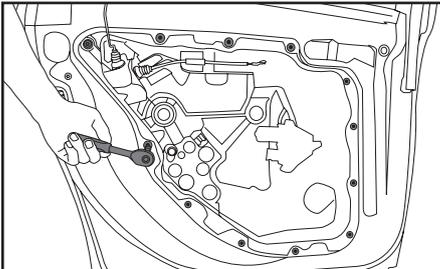
2. Use the pry plate to pry all points of the door opening trim plate along the edge of the inner door trim plate to fix the clips



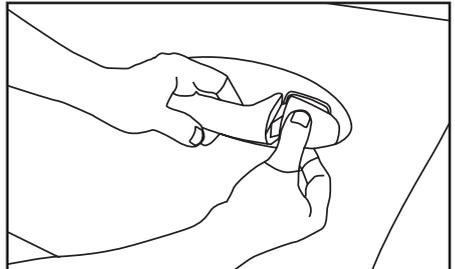
3. Remove the rubber cover of the fixing screw of the middle window regulator, press the button of the window regulator switch to lower the glass to the proper position (Note: adjust it to the fixing screw hole of the window regulator and screw it to the screw)



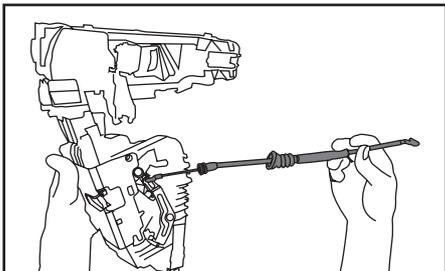
4. Loosen the fixing screws on the window regulator with a plum screwdriver. The screws should be loosened for about 2-3 turns. It is not necessary to remove the whole screw. Push the door glass upward to the closed state. Use an electrical tape to stick the glass tightly to prevent the glass from falling and damaging



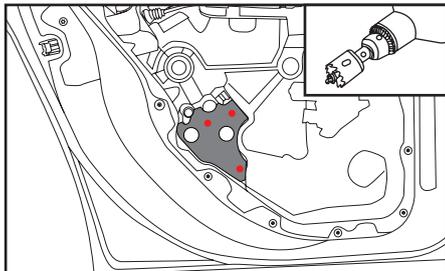
5. Remove the fixing screws around the sound board of the waterproof cabinet and take down the sound board



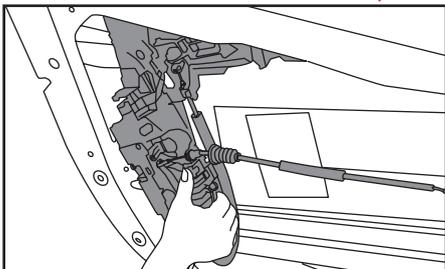
6. Remove the exterior handle and the lock head of the original vehicle; (Note: the steps of removing the exterior handle and the lock head of the original vehicle are the same as the steps of removing the left front door, please refer to)



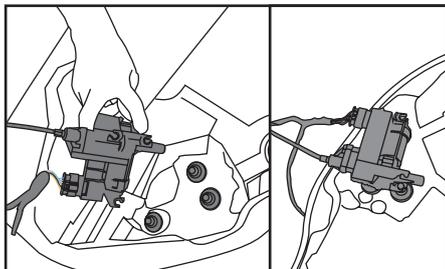
7. Disassemble and separate the mechanical lock head and the door handle bracket of the original vehicle, and assemble the electric suction lock head and the door handle bracket; (Note: the disassembly, separation and assembly steps are the same as those of the front door)



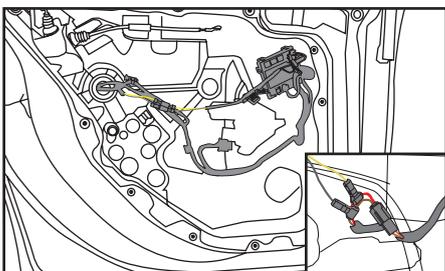
8. Use a 23mm hole opener to open three mounting holes of shockproof rubber pad at the small circle positioning point; hole opening operation: take out the sticker of the distribution hole opening mold, align the left curve boundary as the benchmark, align the circular holes of the sticker with the circular holes on the decorative plate, and then close the holes on the small circle marks of the mold paper



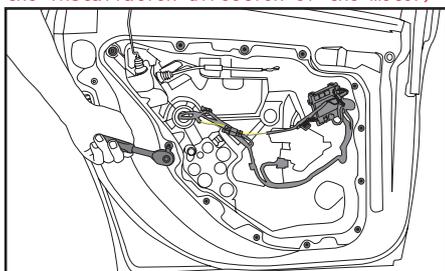
9. Install the assembled electric suction lock to the corresponding position of the left rear door and lock the fixing screws; (Note: the installation procedure is the same as that of the installation of the left front door)



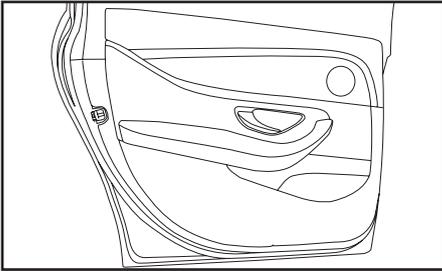
10. Install the shock pad of the fixed motor, and fix the self-priming motor in the installation slot of the shock pad as shown in the figure above; (Note: the electric suction motor is installed in the sound insulation board, pay attention to the installation direction of the motor)



11. Clamp the yellow wire in the T-type take-off wire harness with fuse box on the ECU of the original vehicle with red + 12V constant power, and clamp the black wire on the brown GND (ground) wire. Note: the take-off clamp needs to be clamped in place, and use a multimeter to measure whether there is a normal 12 output



12. Smooth the wire harness and fix the wire harness with a cable tie, and test the suction function of the electric suction lock: if the locking tongue is pressed to the first level lock with a tool, whether the electric suction function is normally closed, and whether the remote control lock is normal; lock the fixing screw of the sound insulation plate screw



13. Install the interior door trim panel, lock two fixing screws, and complete the installation

