

## FITTING INSTRUCTIONS FIT1361

PLEASE READ INSTRUCTIONS COMPLETELY BEFORE INSTALLATION

### ROLLING LID GEELY RIDDARA RD6

### RL135E-K

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#### 1. Matters need attention:

1. Please install the parts in a safe environment, and wear the corresponding safety protective equipment;
2. Please read this manual carefully before installing the product, pay attention to protect the surface of the vehicle, and avoid scratches during the installation process;
3. Check whether the parts in the package are complete before installation;
4. Please regularly check whether all the parts connected to the car are loose to ensure the safety of use;
5. Use traces between the slide track and the rolling curtain are normal test traces;
- 6, this curtain has no load-bearing function, do not place the heavy object above the curtain;
7. The drainage pipe passes through the drainage hole of the rear tail box;
8. Before folding up the curtain, make sure to ensure that the surface is clean to avoid foreign bodies involved in the box.

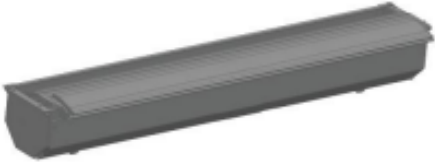


























#### 2. Kindly reminder:

1. When the curtain is opened or closed, pay attention to check whether there is foreign body, avoid the human body contact with the opening and closing area, and avoid pinching;
2. When the box body and the side rod slide rail are installed, the rolling shutter has the automatic return function. Please pay attention to the stability to prevent clamping;
3. Please do not close the pet or person in the closed rear tail box, which may cause suffocation;
4. The number of people installing the curtain is recommended to be 2, and the installation time is about 45 -60 minutes.



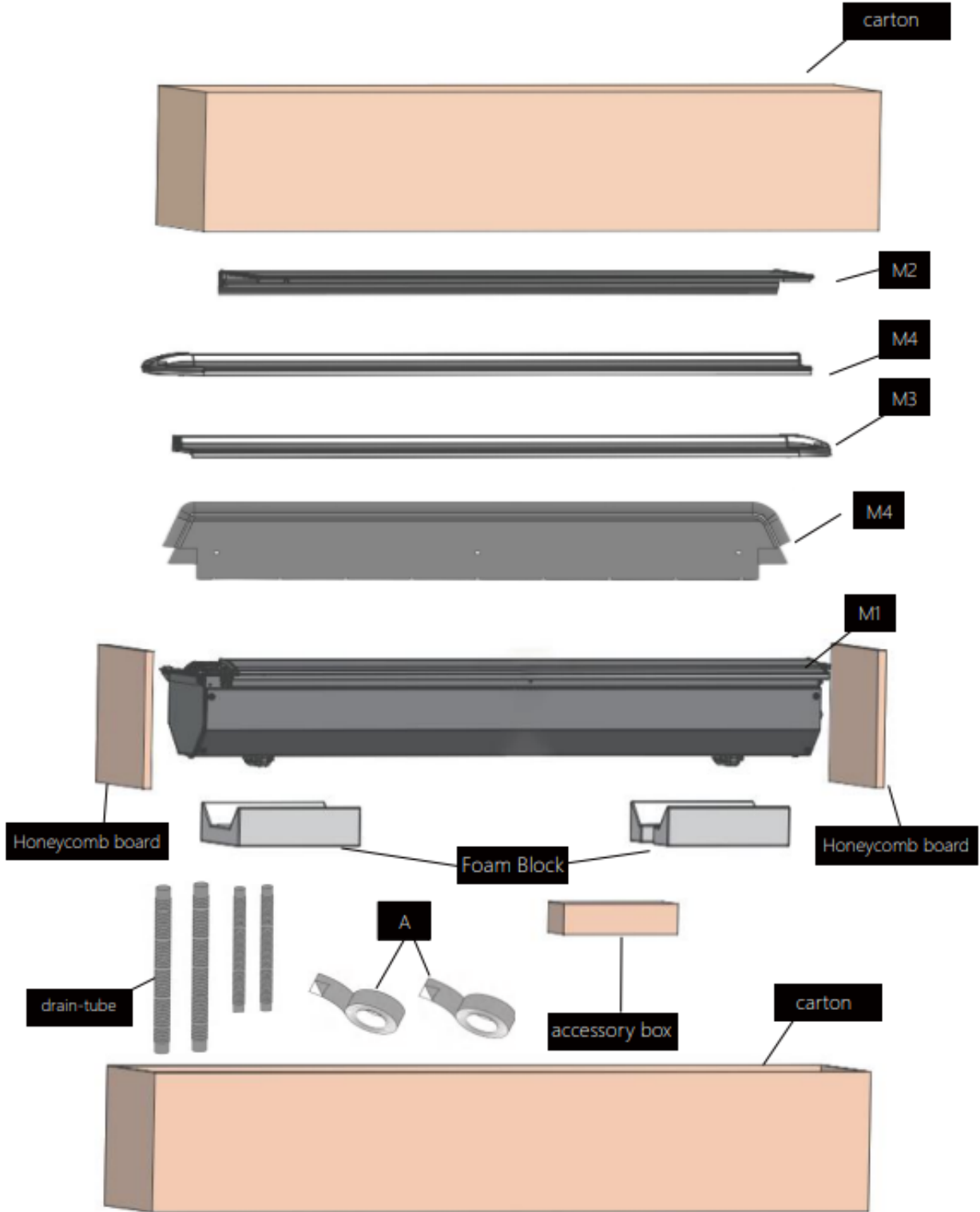
## 1. Product presentation

### 1.1. Bill of Material

M1		M2	
	1X		1X
M3		M4	Front baffle 
	1X		1X
	A: Gauge		B: Inspection tool (L1 + R1)
M7		M8	
	1X		1X
	Front bracket		Middle bracket
M10		M11	
	2X		2X
	Rear bracket (left and right)		Water deflector
M10		M11	
	1X		1X
LIST OF BOX PARTS (DIFFERENT MODELS, DIFFERENT PARTS BUT THE SAME INSTALLATION METHOD)			
A		B	
	2X		4X
C		D	
	6X		2X
E		F	
	2X		2X
LIST OF ACCESSORIES			
G		H	
	3X		7X
I		J	
	4X		7X
K		L	
	1X		4X
M		N	
	4X		7X
O		P	
	13X		8X
Q			
	5X		

ELECTRONICS					
 Power Cord (Gray) 1X	 Ties 20X	 Signal extension cable (white) 1X	 Switch button cable (white) 1X	 Original vehicle signal cable (yellow) 1X	 1X
UTILITY CLASS					
 1 Φ28 1X	 2 Φ20 1X	 3 S=5 1X	 4 S=5 1X	 5 S=8/10 1X	
MAINTENANCE CLASS					
 sealant 4X	 Lubricant 1X				
AUXILIARY TOOL (REQUIRED)					
 H <sub>2</sub> O					

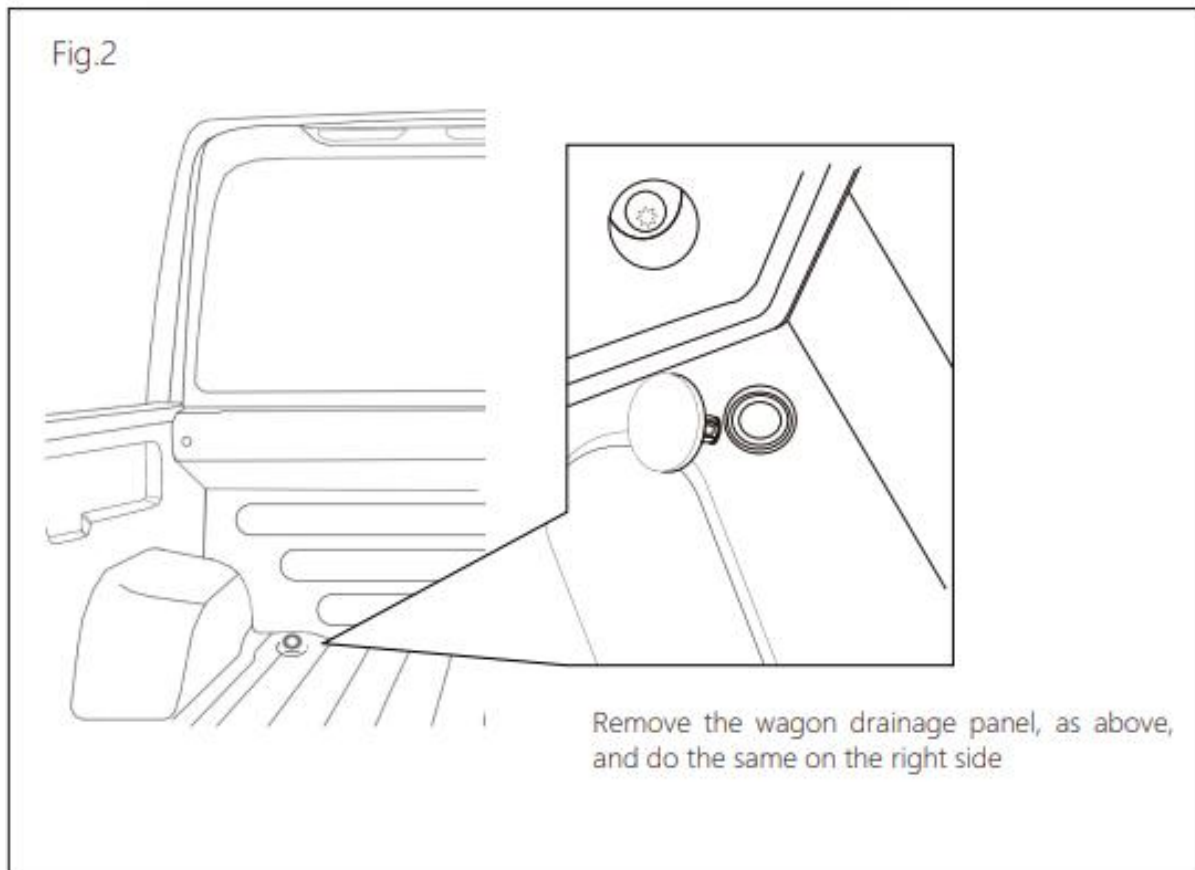
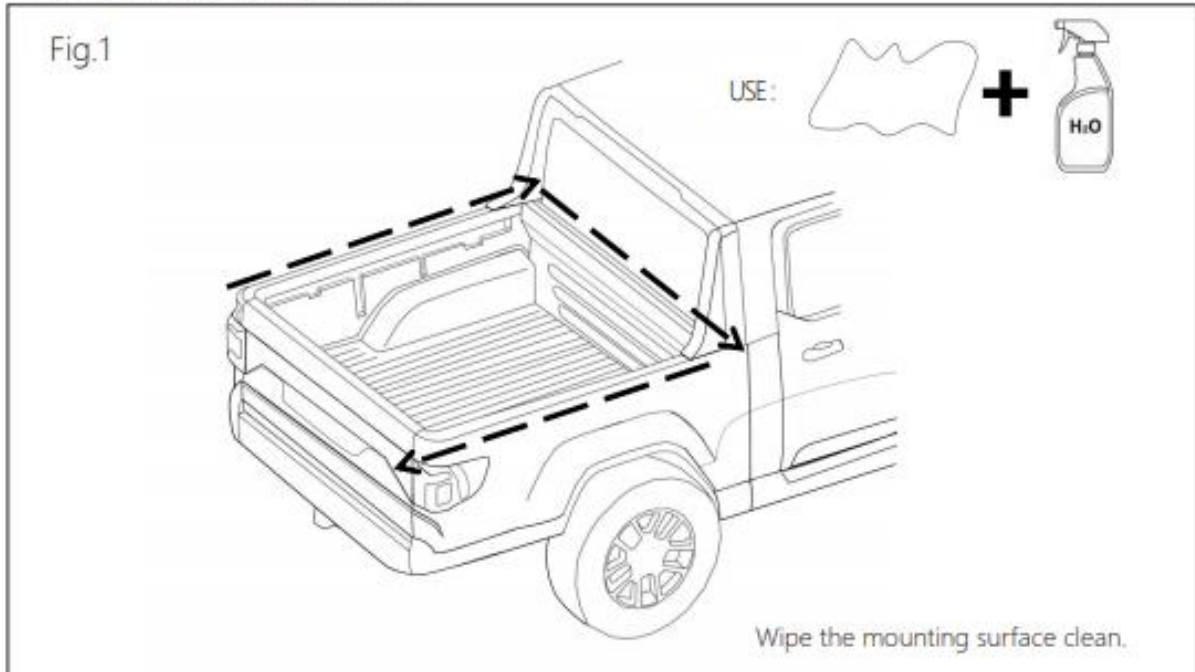
## 1.2 Product summary



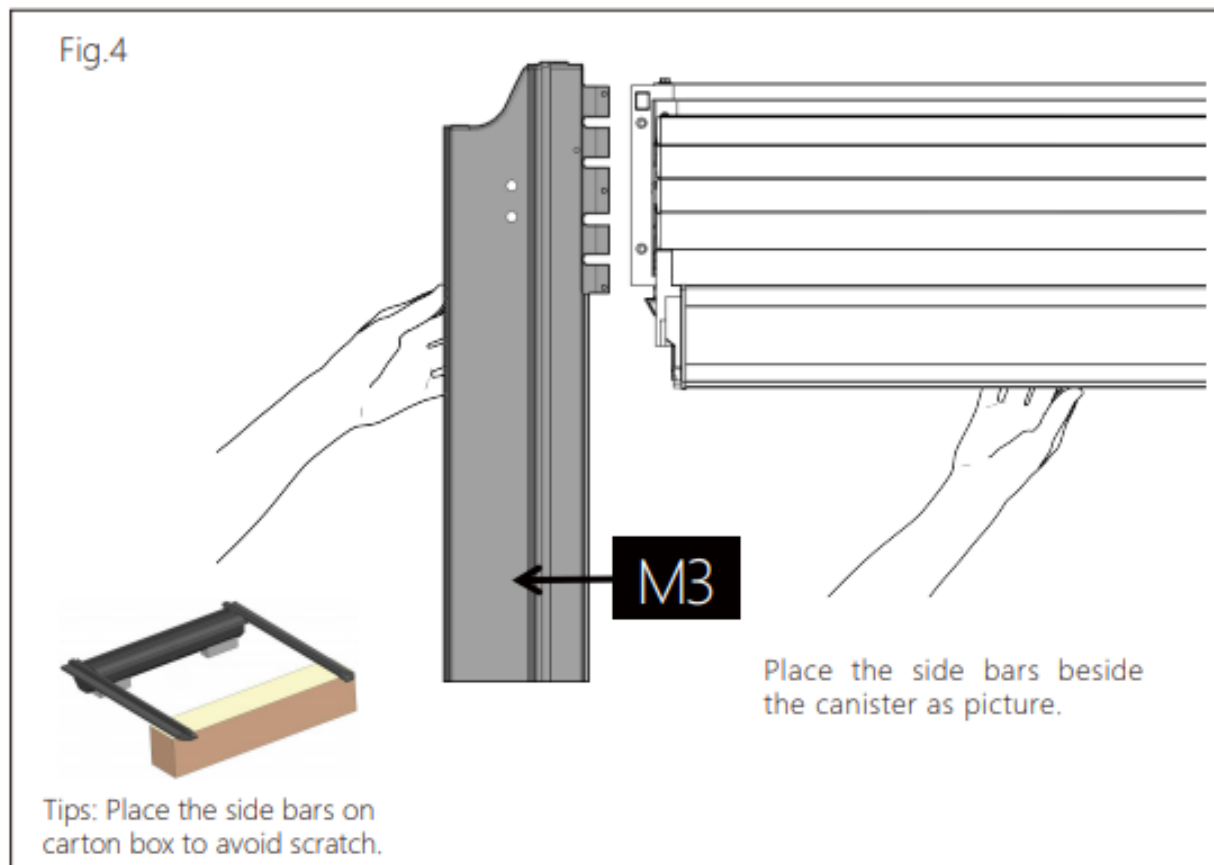
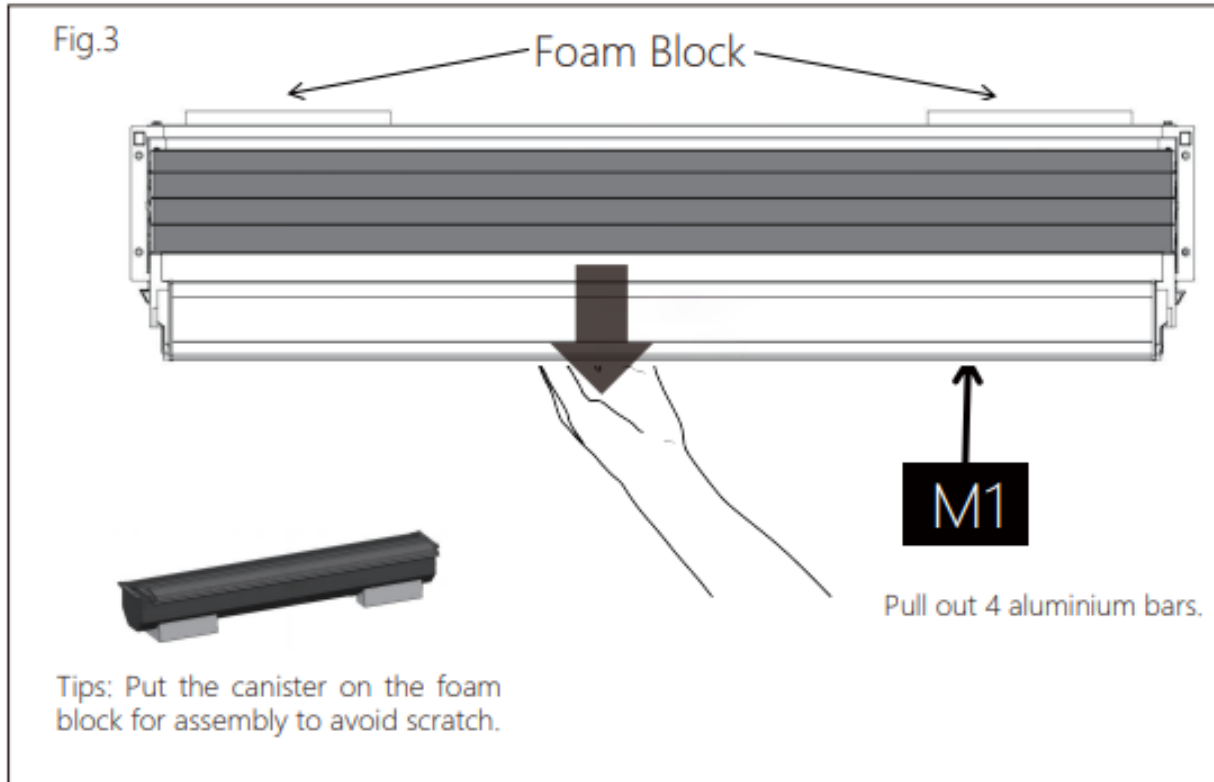
## 2. Installation steps:

### 2.1 Preparation

Clean up the tub, as shown below;



## 2.2 article assembly



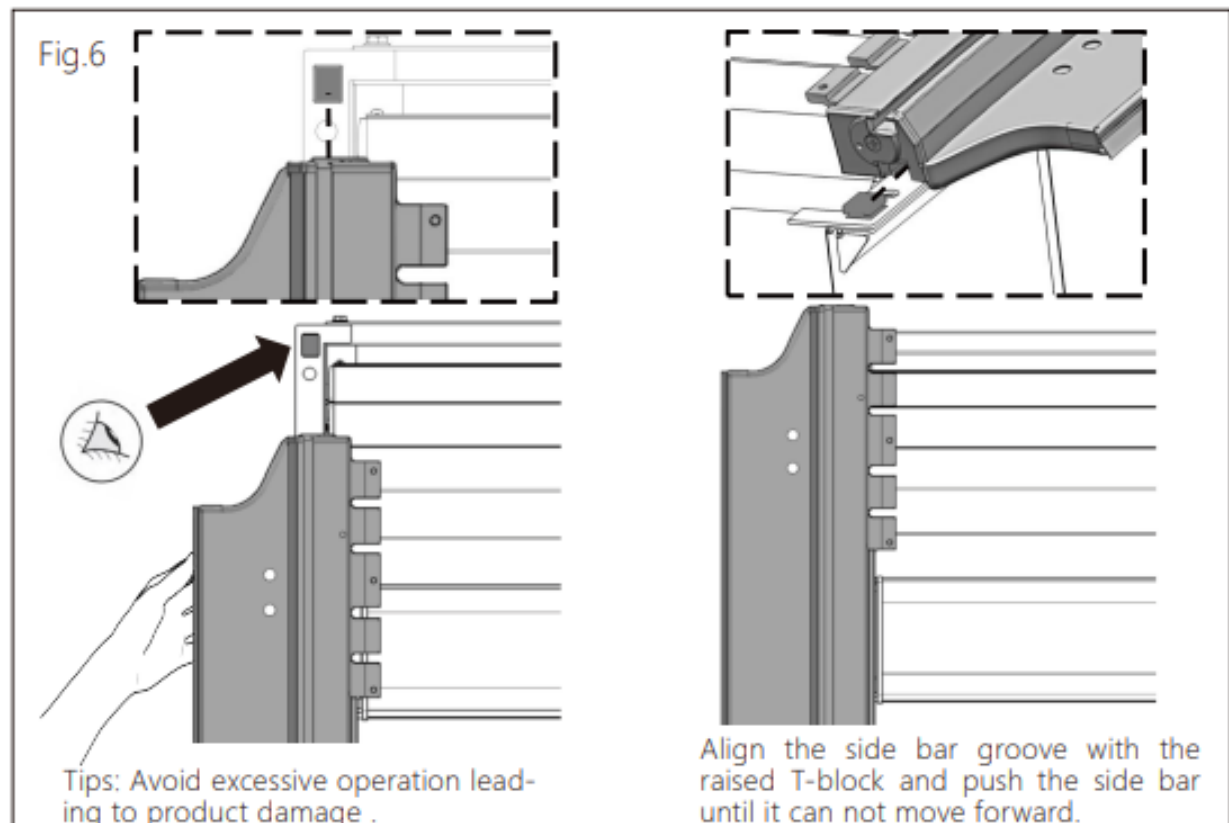
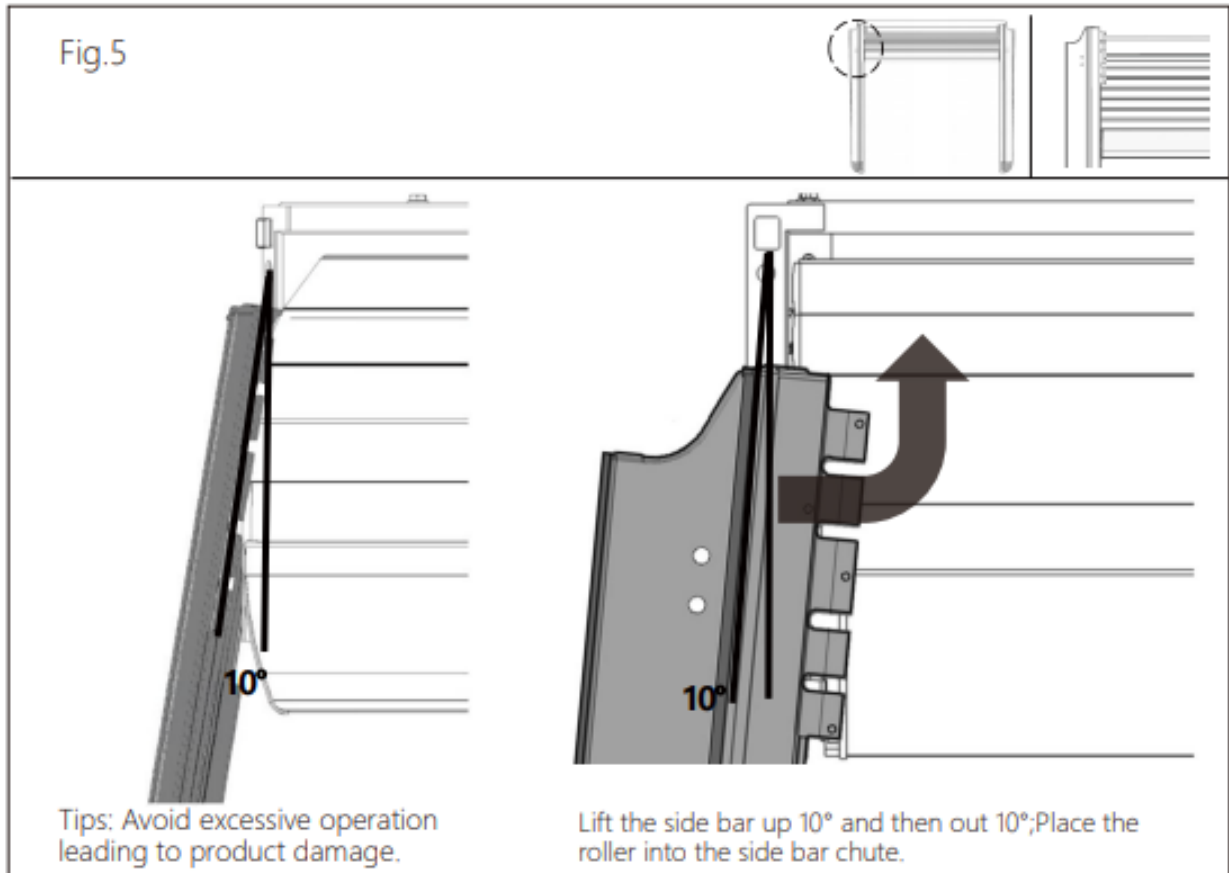
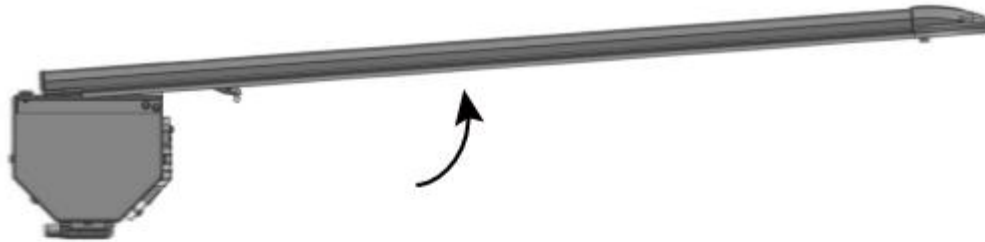
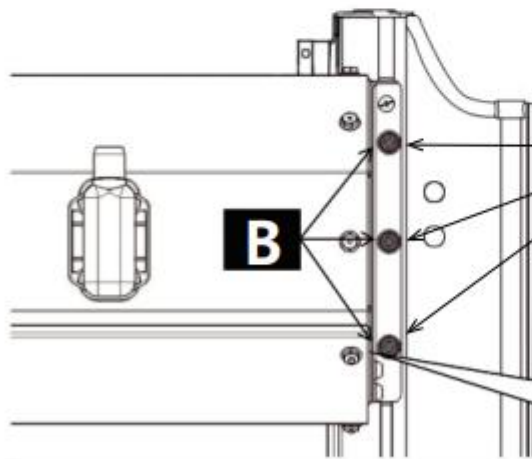
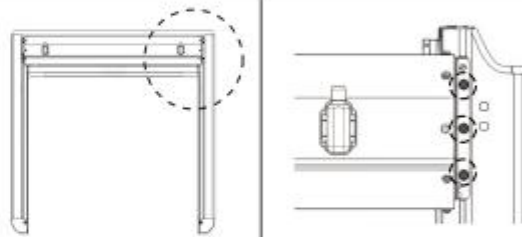


Fig.7

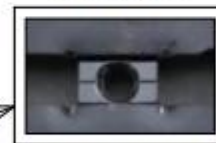


When sliding into the chute, turn the side rail up and down, left and right can make installation more convenient.

Fig.8



sliding nut



NOTE: Begin installing the second screw when the first screw is halfway tightened (If the first screw is fully tightened it may make it difficult to install the second screw.)

USE: **3**

S=5

Tighten the bolt with wrench.

Tips: This operation need to reverse the canister. If the bolts can not be fixed, please adjust the side bar and the canister hole alignment.

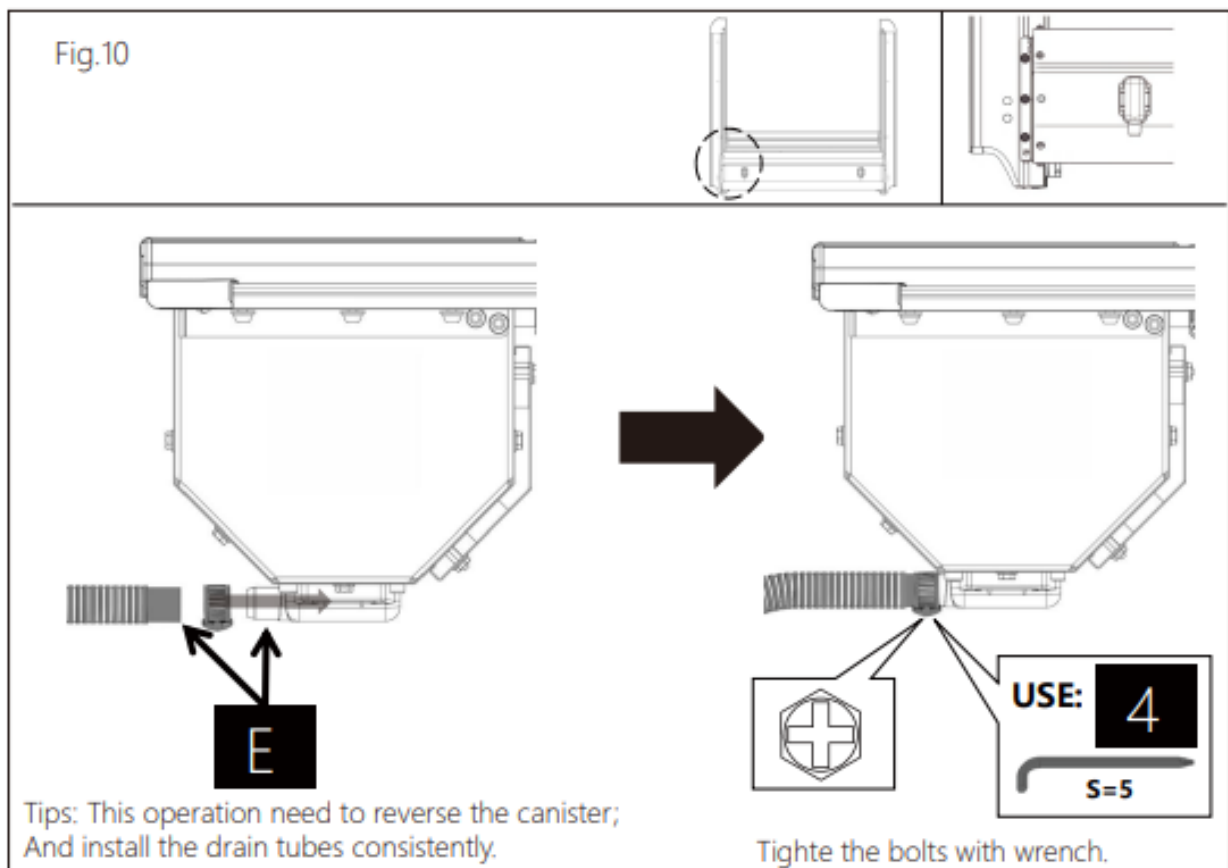
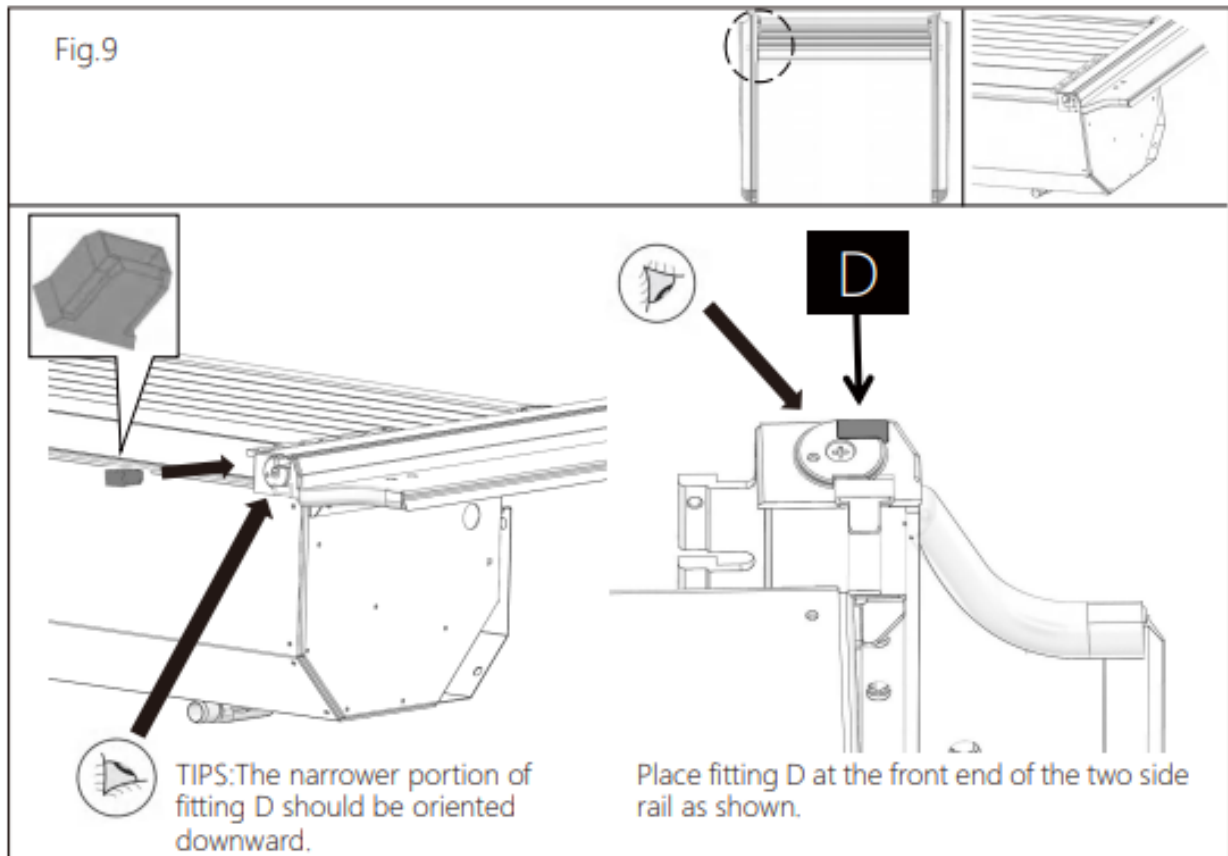
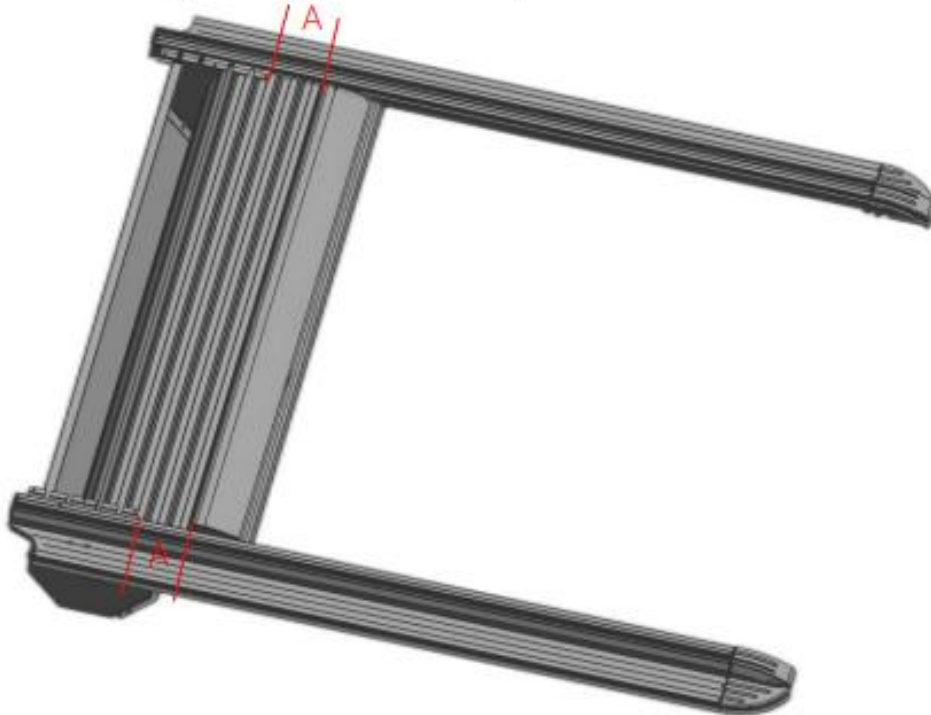


Fig.11 Install the right side rail in the same way. Before completely fixing the side bars, it is important to ensure that the roller bar is on the same straight line (distance A=A)



## 2.3 Installing support

Fig.12 Remove the original bolts in the 9 positions of the compartment indicated in the diagram ;)

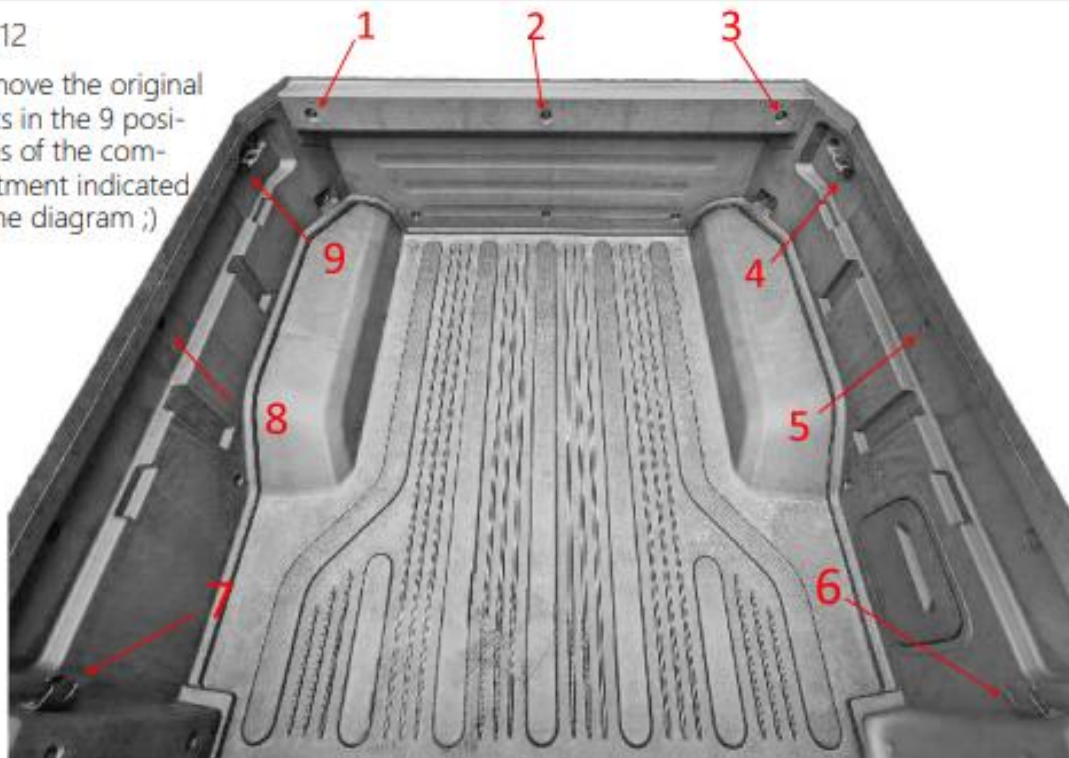
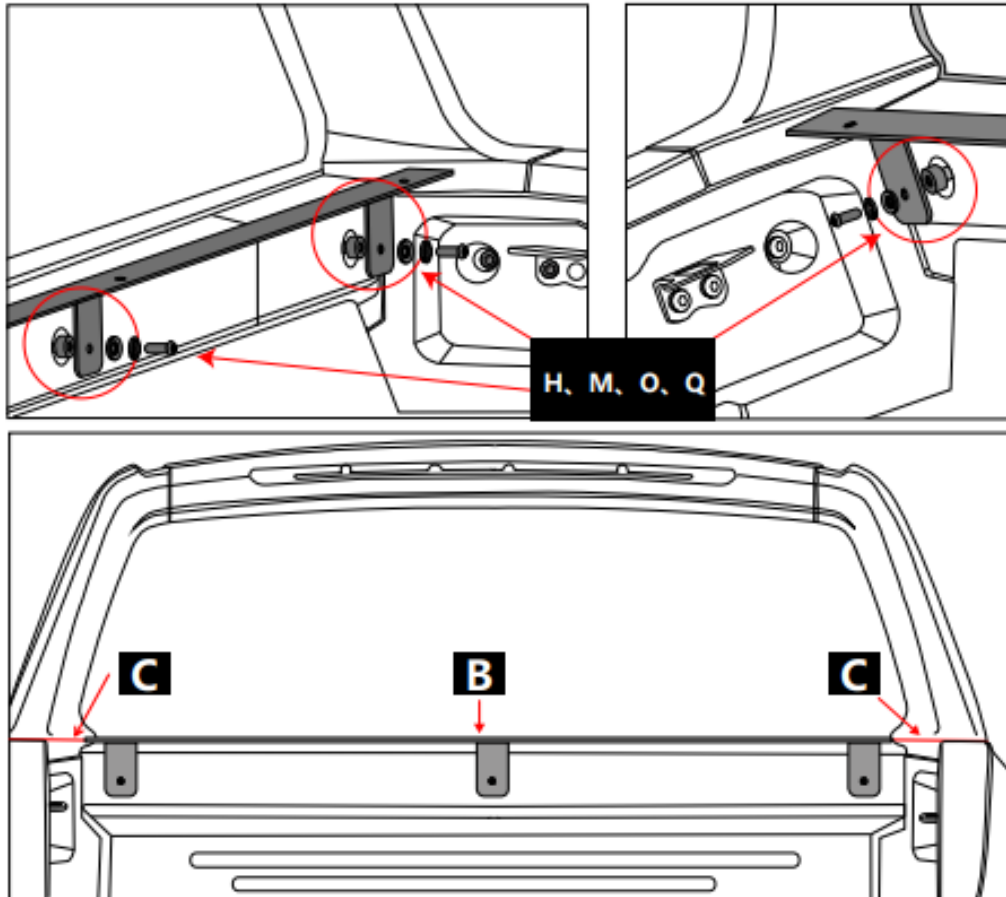


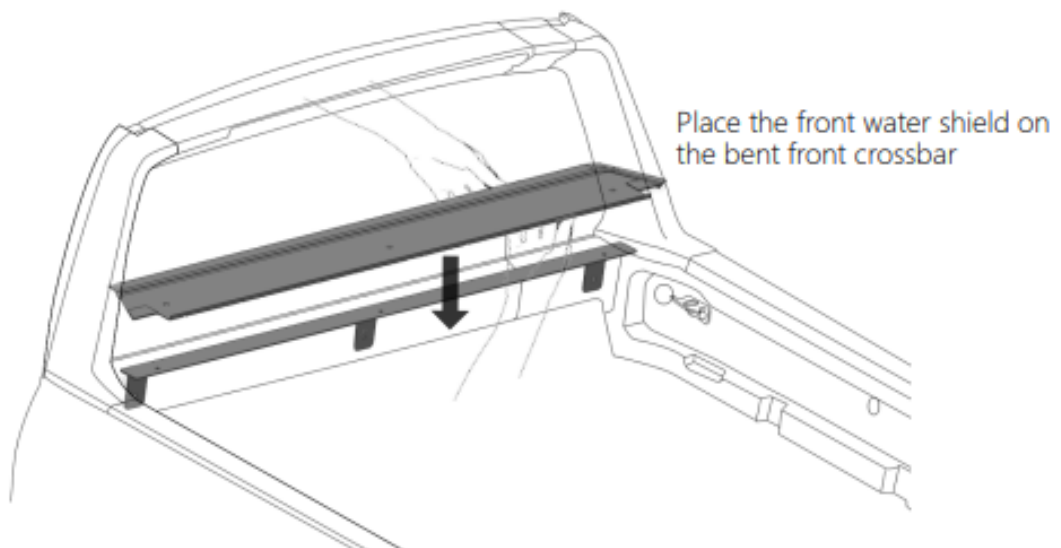
Fig.13

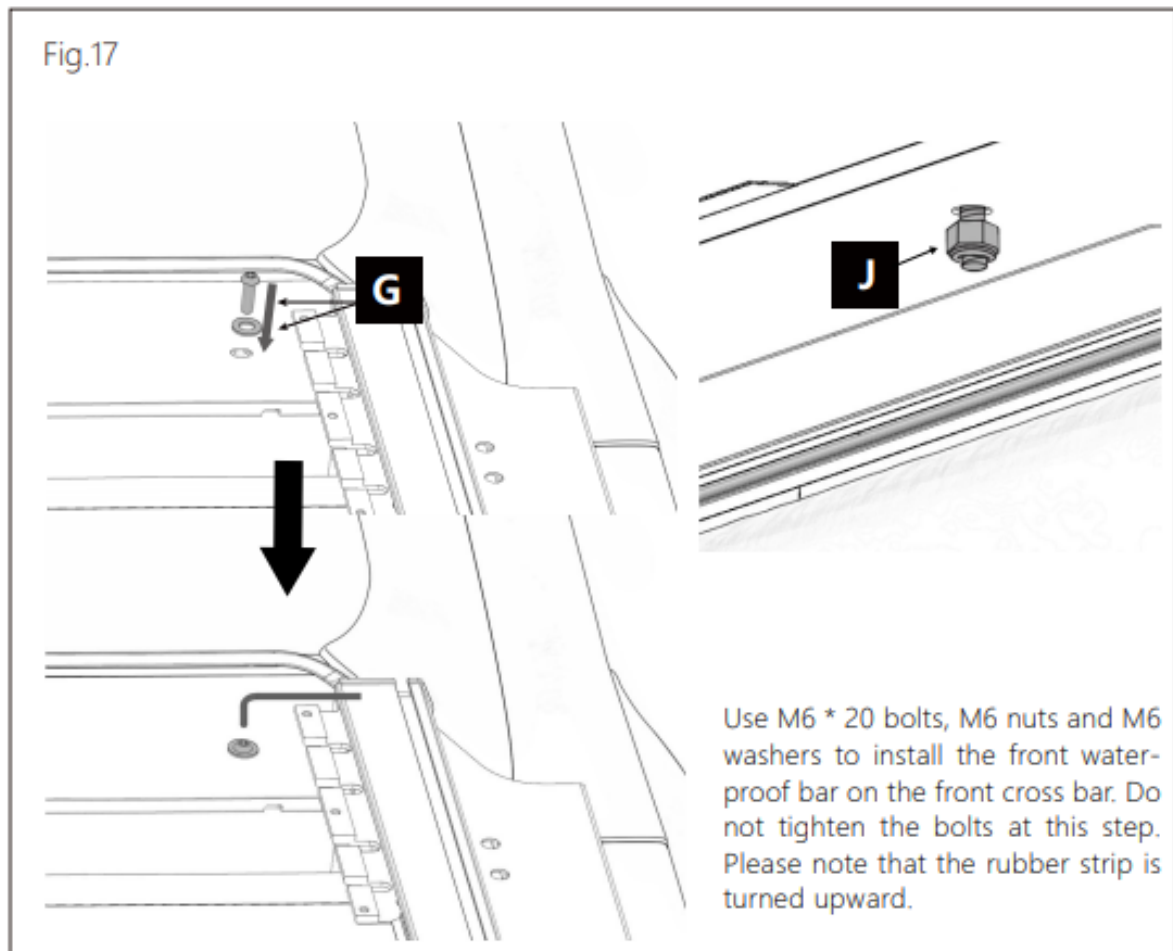
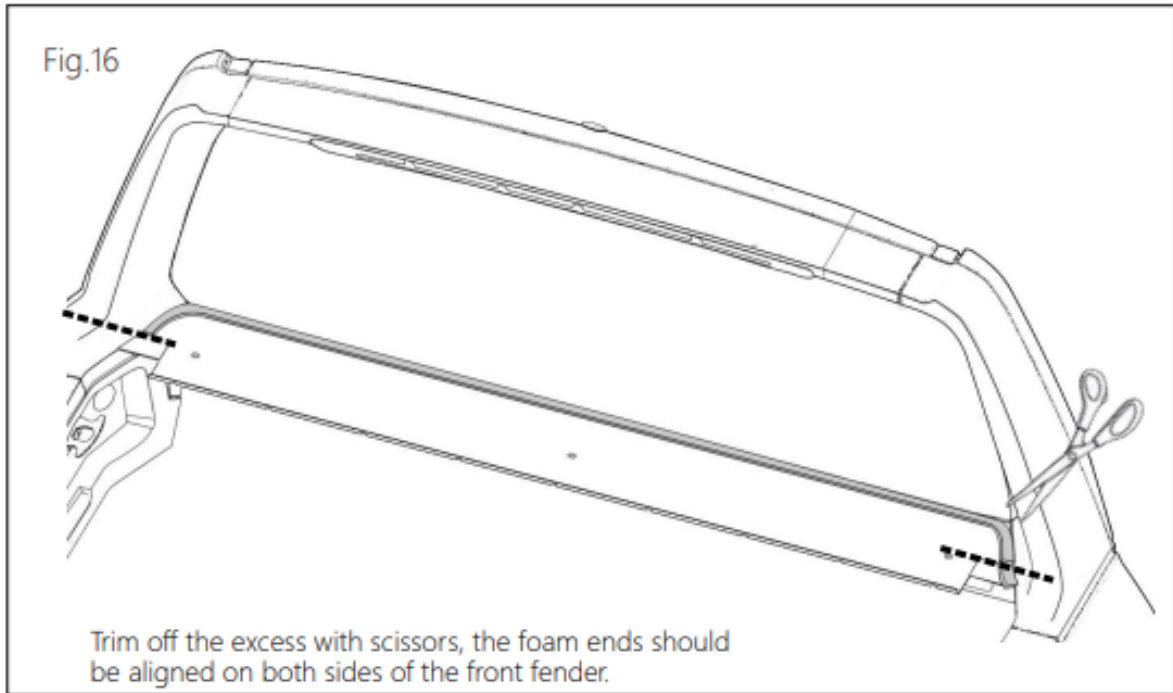
Use M6 \* 40 bolts, M6 spring washers, M6 washers and Bracket washer (3 pieces) to fix the front cross bar to the position shown in the figure (the horizontal height of point B and point C is the same).

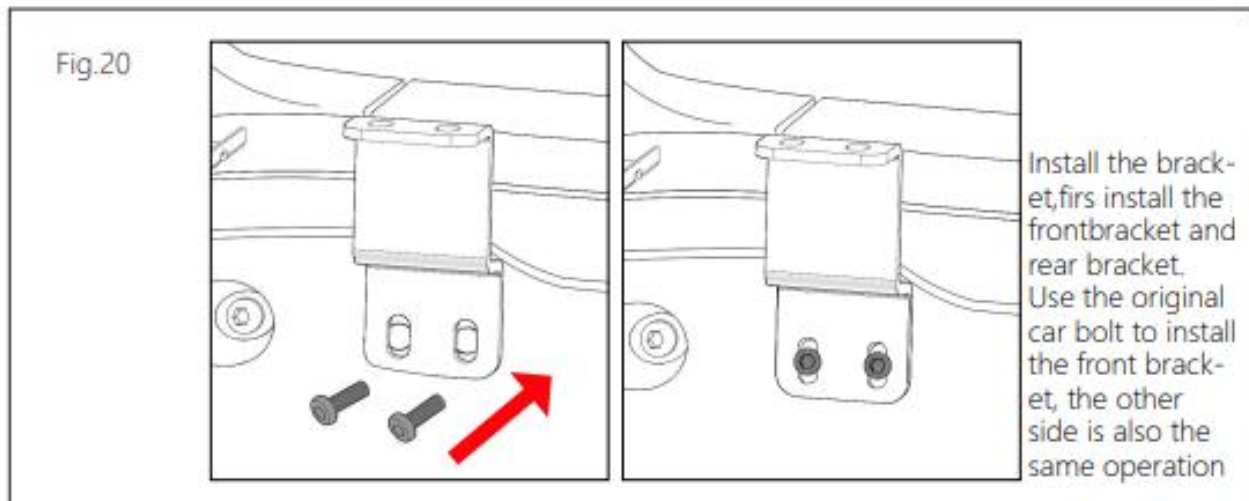
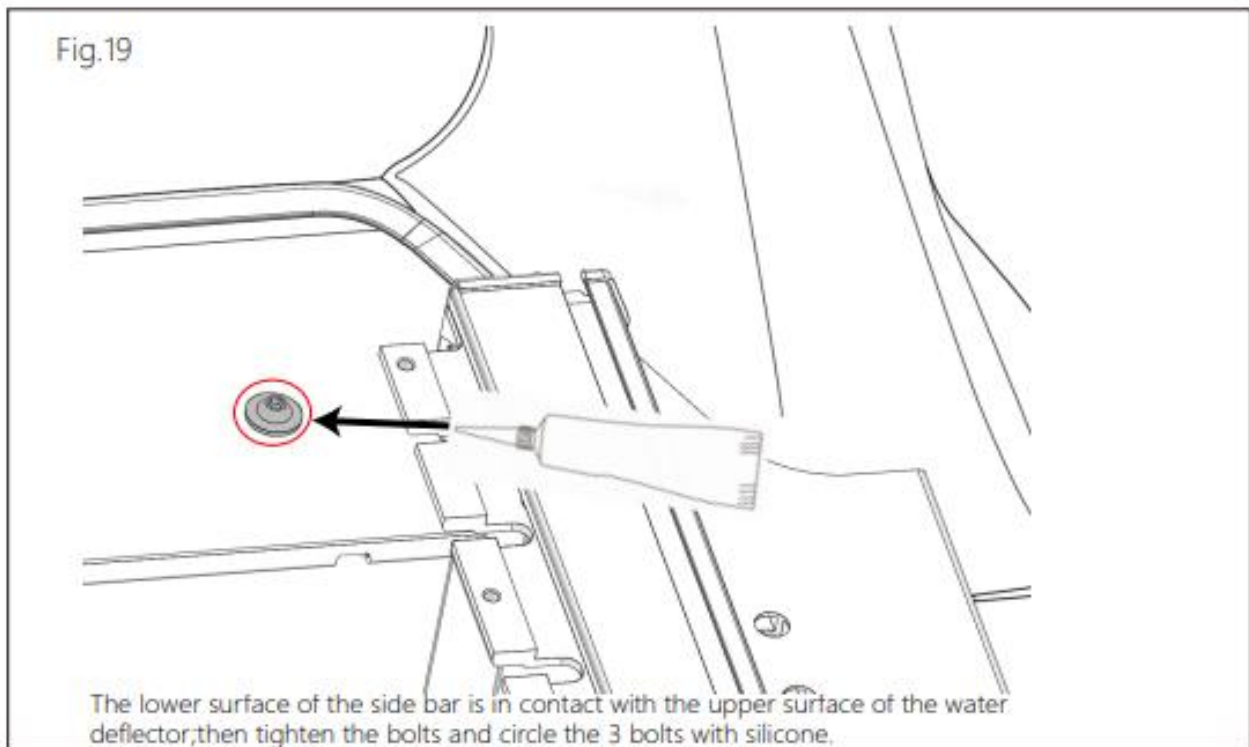
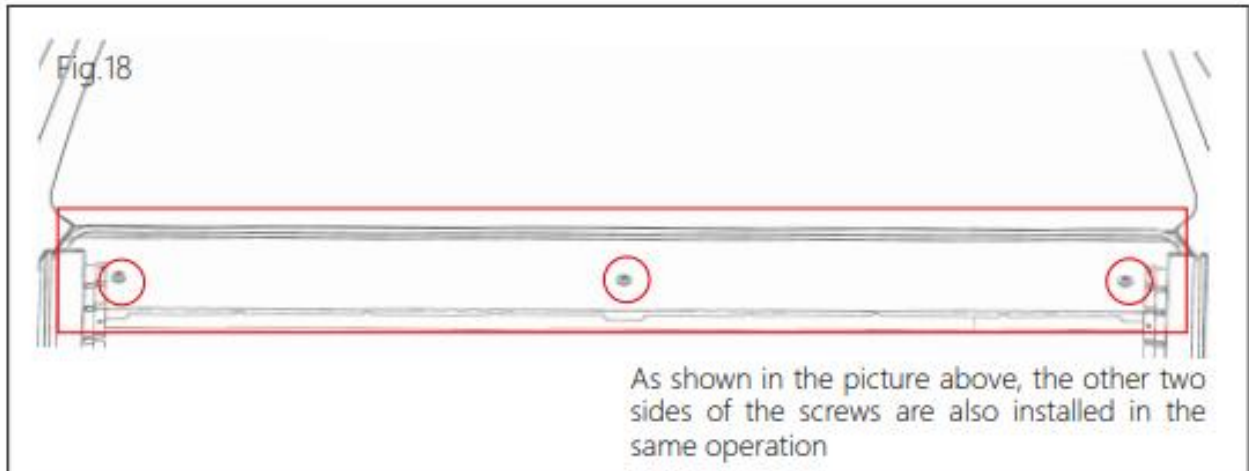


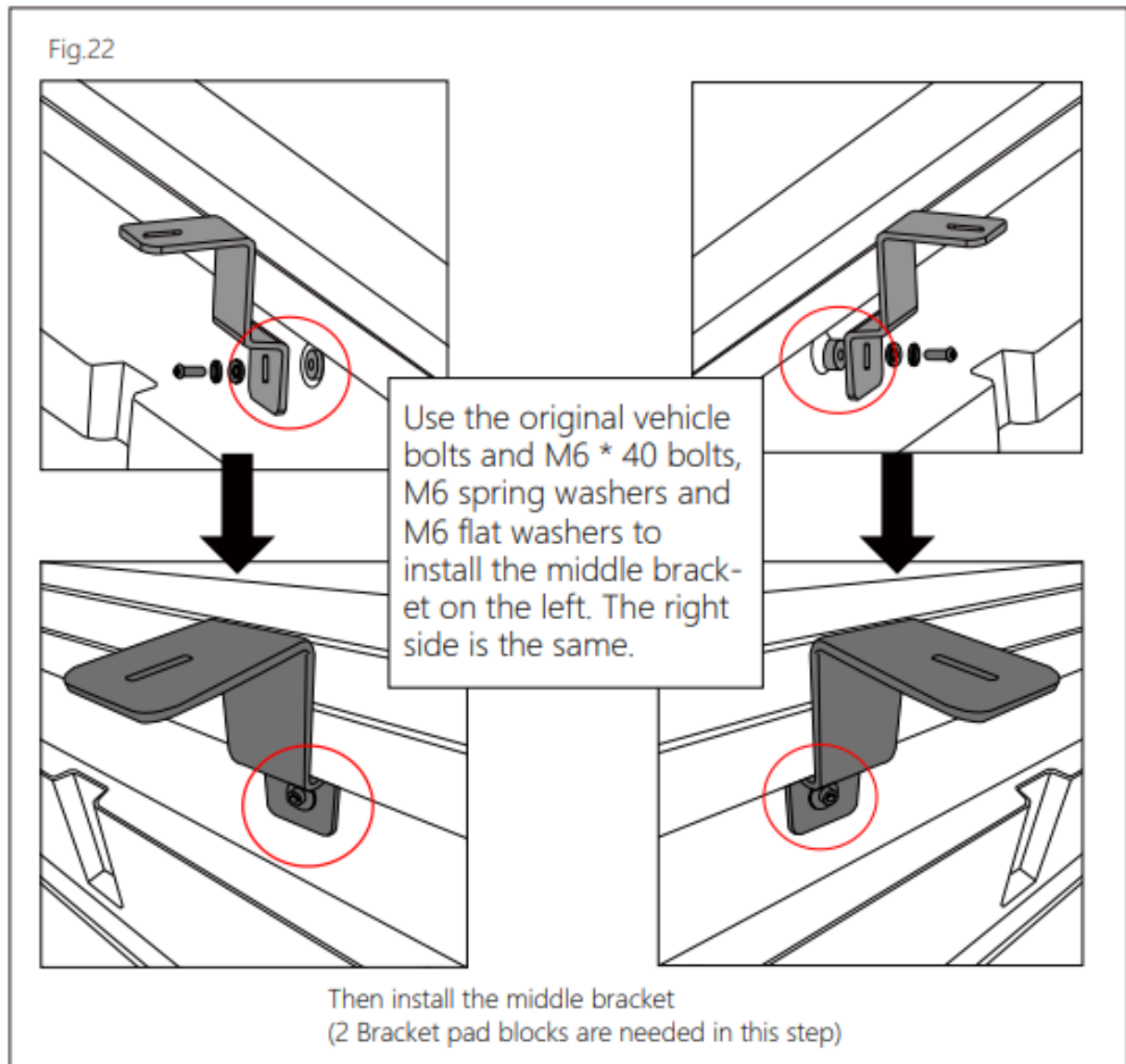
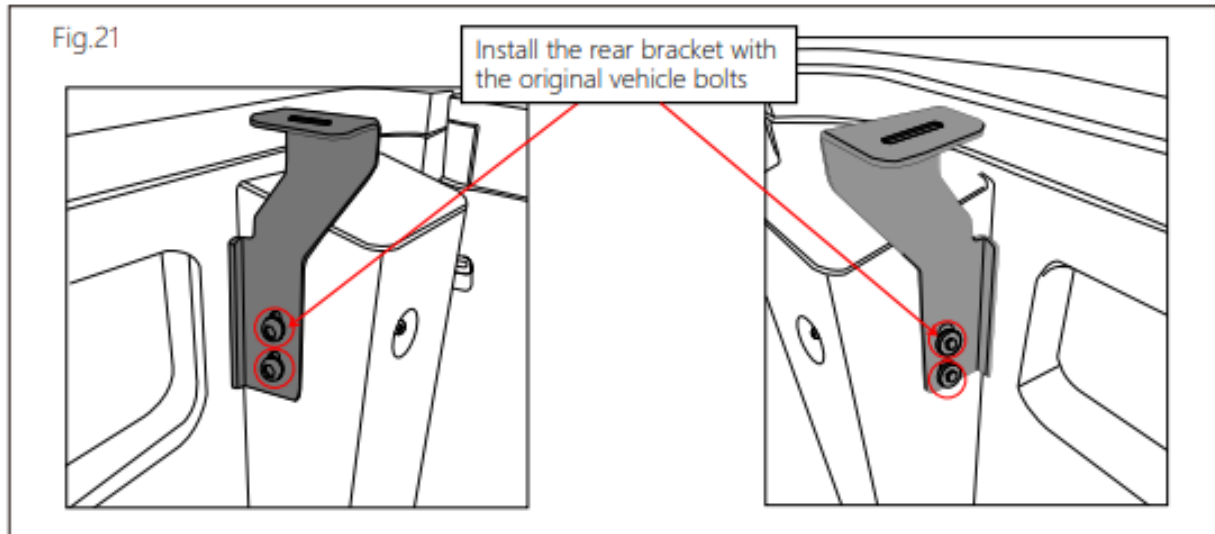
Note: Point B is at the same level as point C

Fig.14



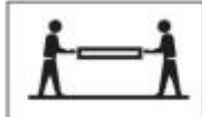




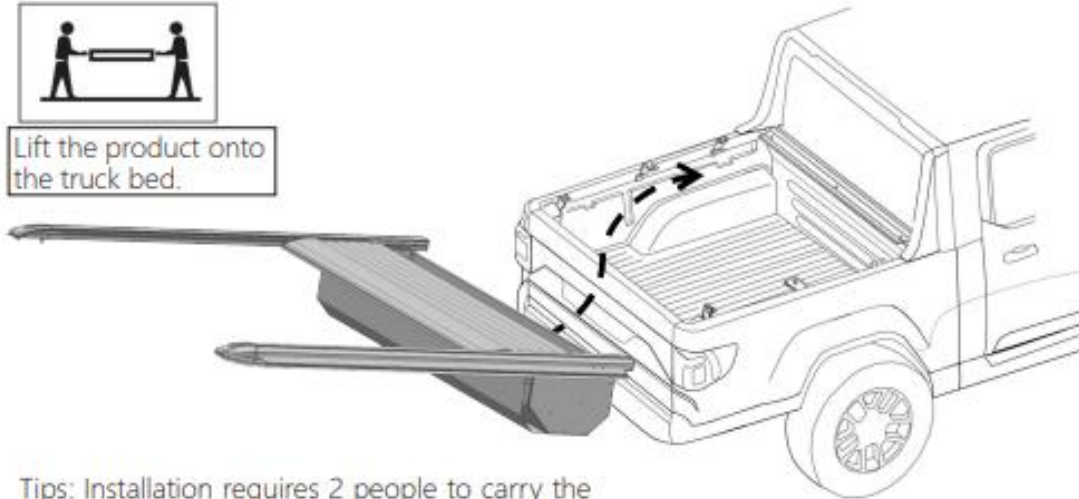


## 2.4 Product

Fig.23

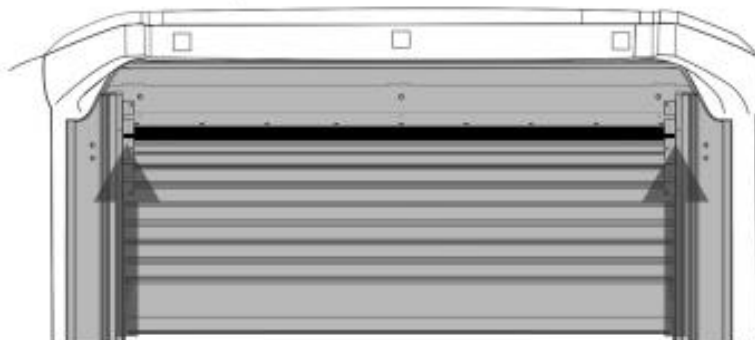
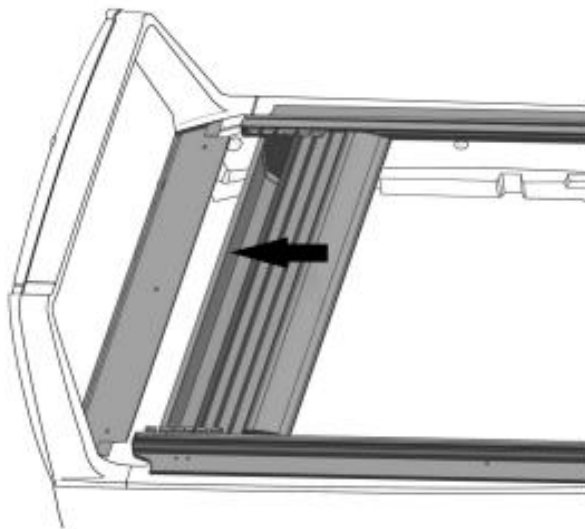


Lift the product onto the truck bed.



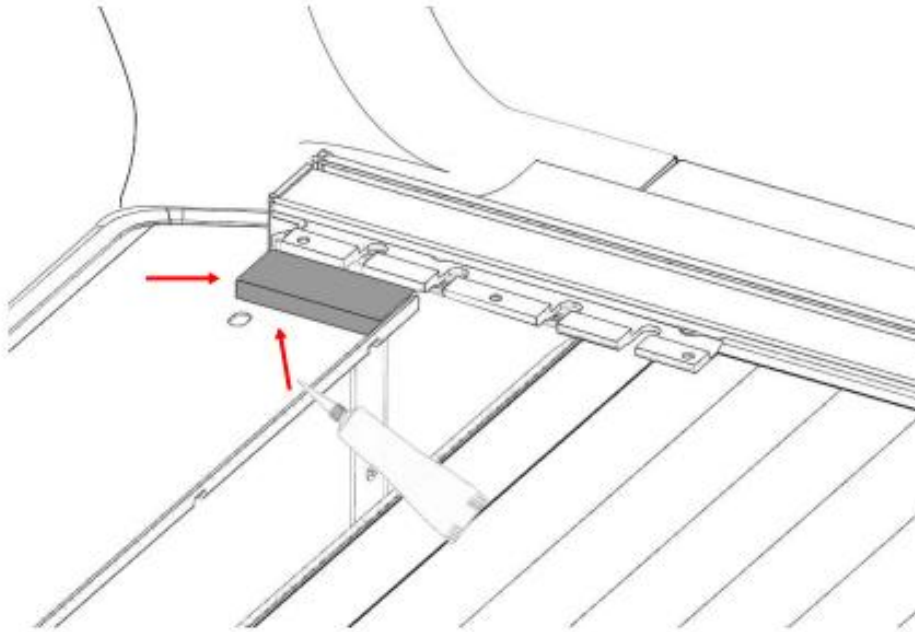
Tips: Installation requires 2 people to carry the product onto the truck bed for safety of personnel and product.

Fig.24



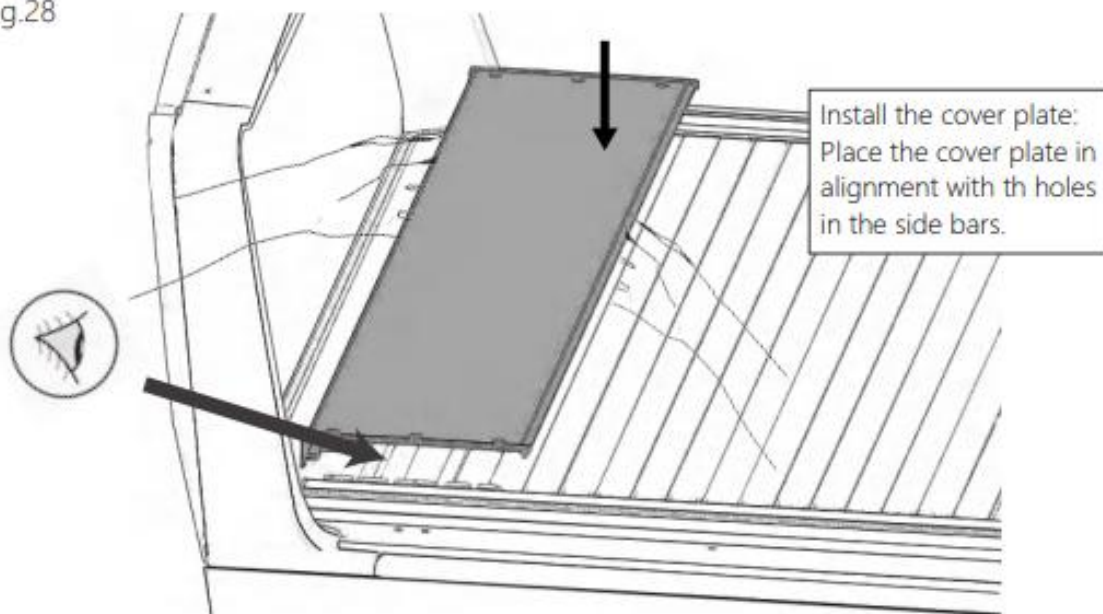
Lift the cover to the carriage, leaving a certain distance between the cover and the front water deflector, and then gently push the cover forward so that the lower surface of the water deflector is in contact with the upper surface of the canister.

Fig.27



Stick the foam between the front waterproof bar and the side bar ,  
and apply sealant along the edge of the bottom contact surface.

Fig.28



TIPS: The cover needs to be aligned, be careful not to  
scratch the box.

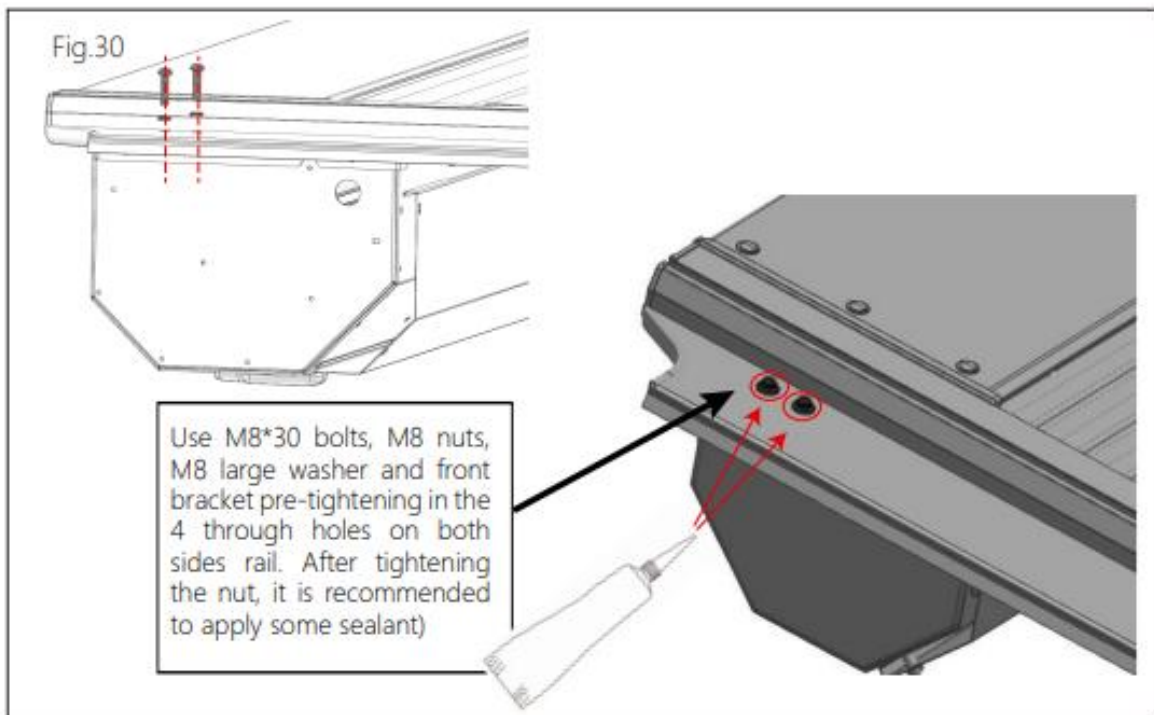
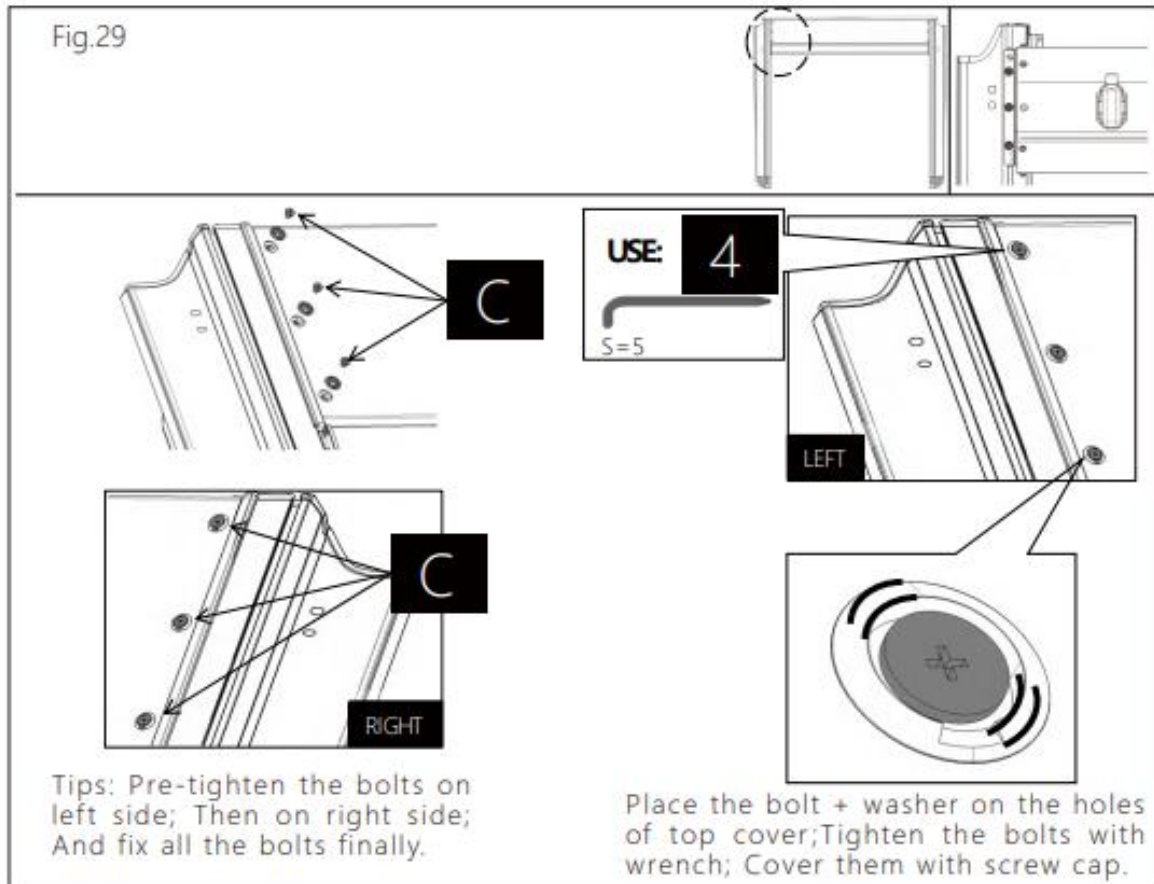
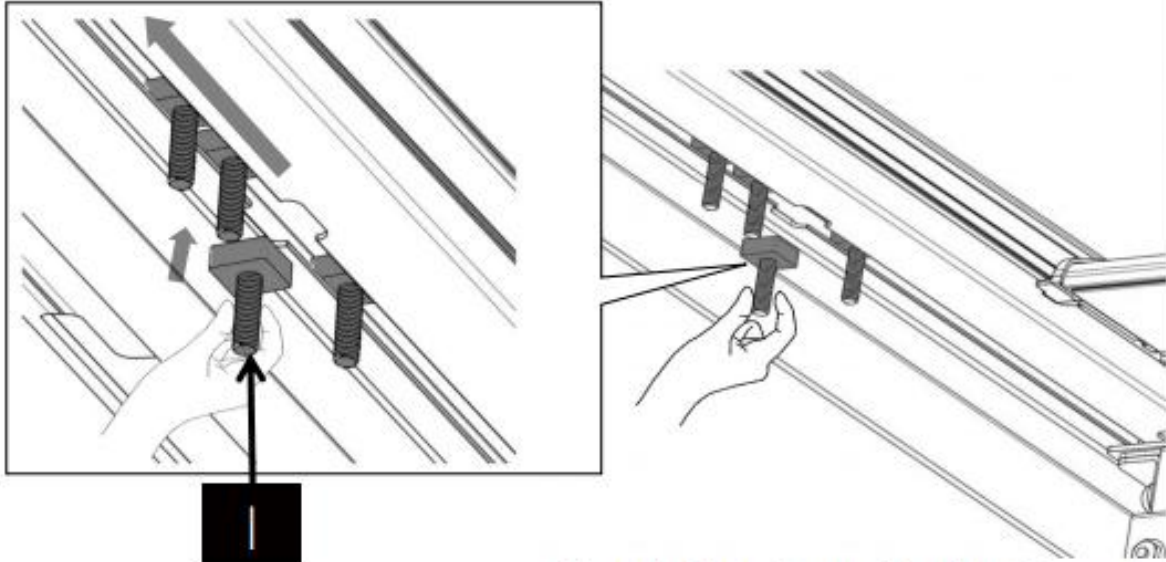
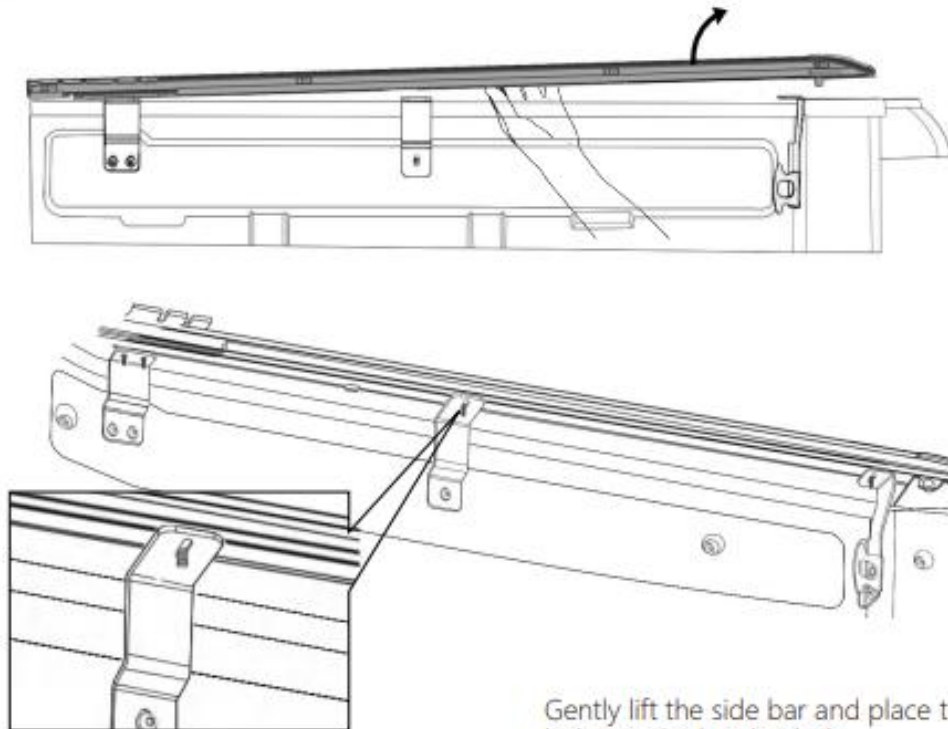


Fig.31



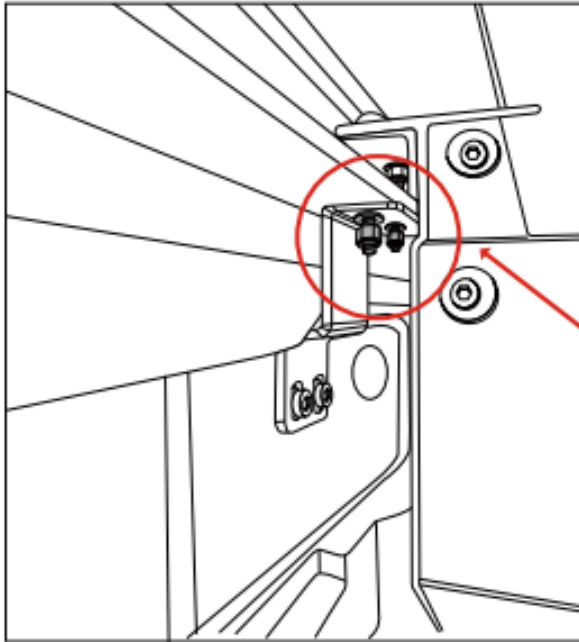
Place the T bolts into the side rail slot, 2 on each side, different model different quantity.

Fig.32

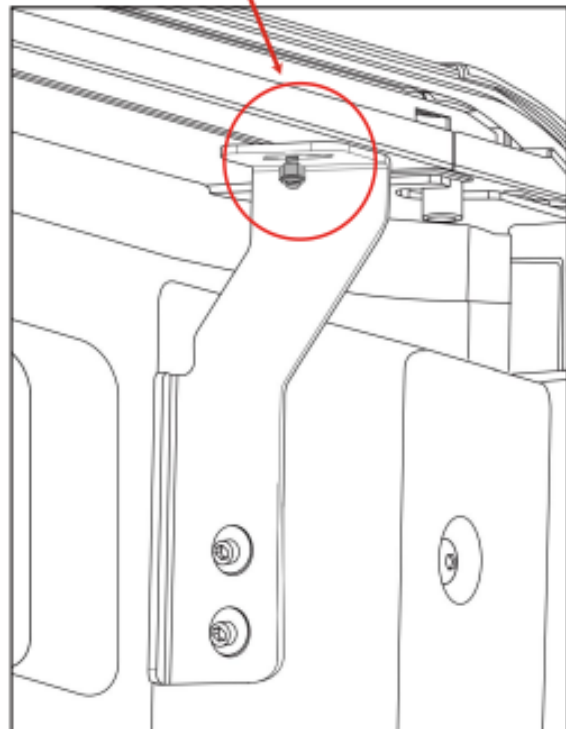
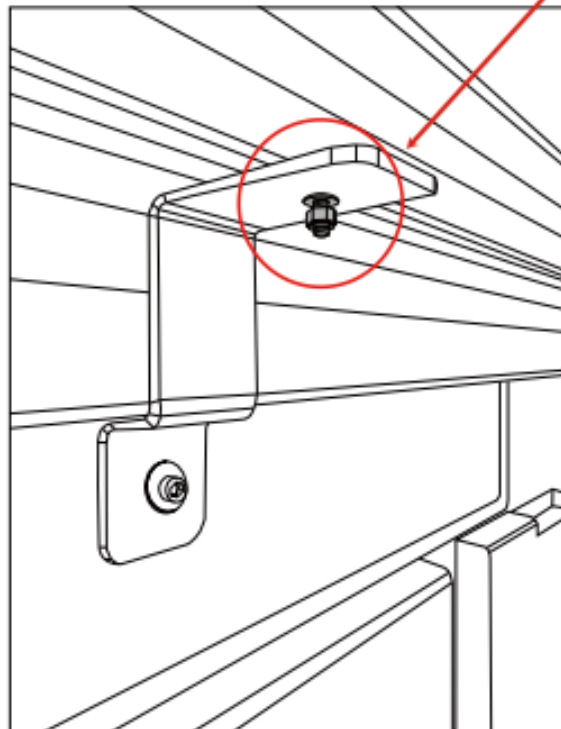


Gently lift the side bar and place the bolt into the bracket hole.

Fig.33 Install the front brackets, middle bracks and rear brackets respectively.

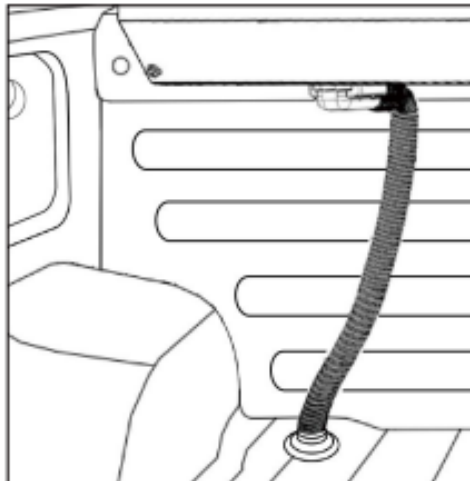


Connect the front bracket, middle bracket, and rear bracket to the side rail with the M6 self-lockin gnut. Do not tighten the nuts in this step.

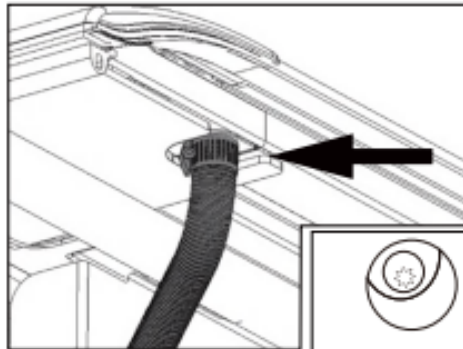


NOTE: Installation steps are the same on both sides, do not tighten to allow clearance for mounting on vehicle

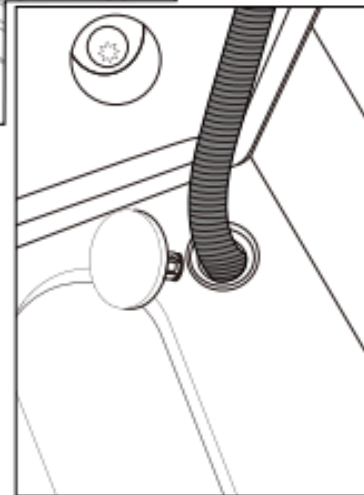
Fig.34 Install the drain tube



Route the ends of the two front drain hoses through this hole in the compartment.

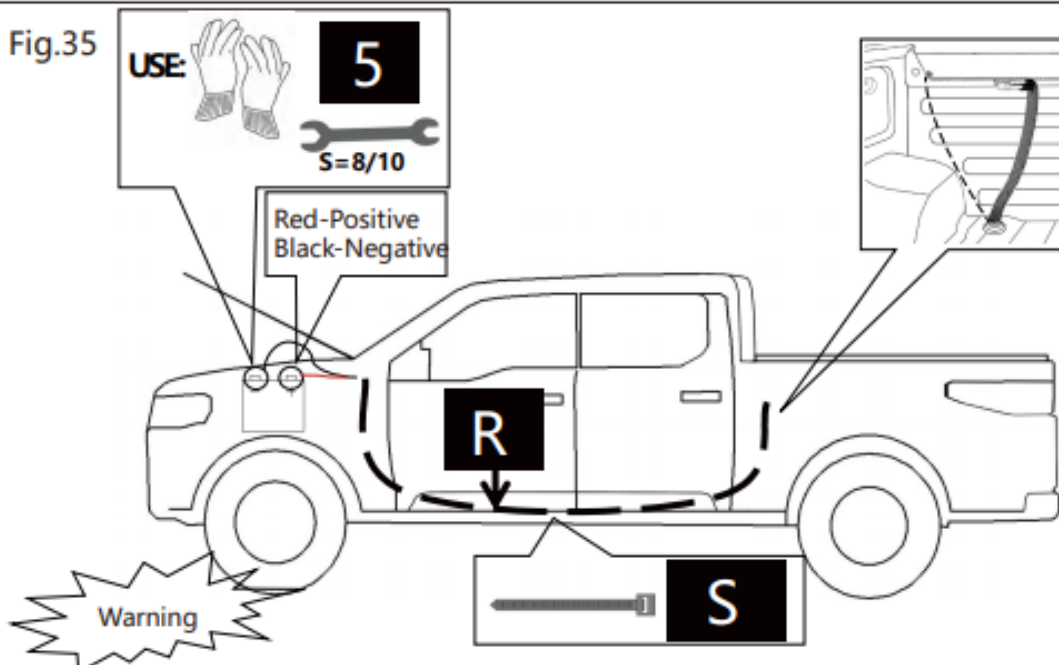


Route the ends of the two rear drain hoses through this hole in the compartment.



## 2.5 Wiring

Fig.35



Please wear the insulating gloves and open the hood. Loosen the bolts at the positive and negative pole of the original vehicle battery, and install the harness 18 in the corresponding position of the battery; Tighten the bolts. Route the rest of the harness from the bottom of the car to the trunk bed (fix the harness with 25 cable ties) and pull it out through the hole of drain tube. Connect harness 18 (in gray color) with roller gray interface. Harness route need to avoid exhaust pipes, moving parts, vulnerable parts etc., thus to protect the vehicle as well as avoid harness damage.

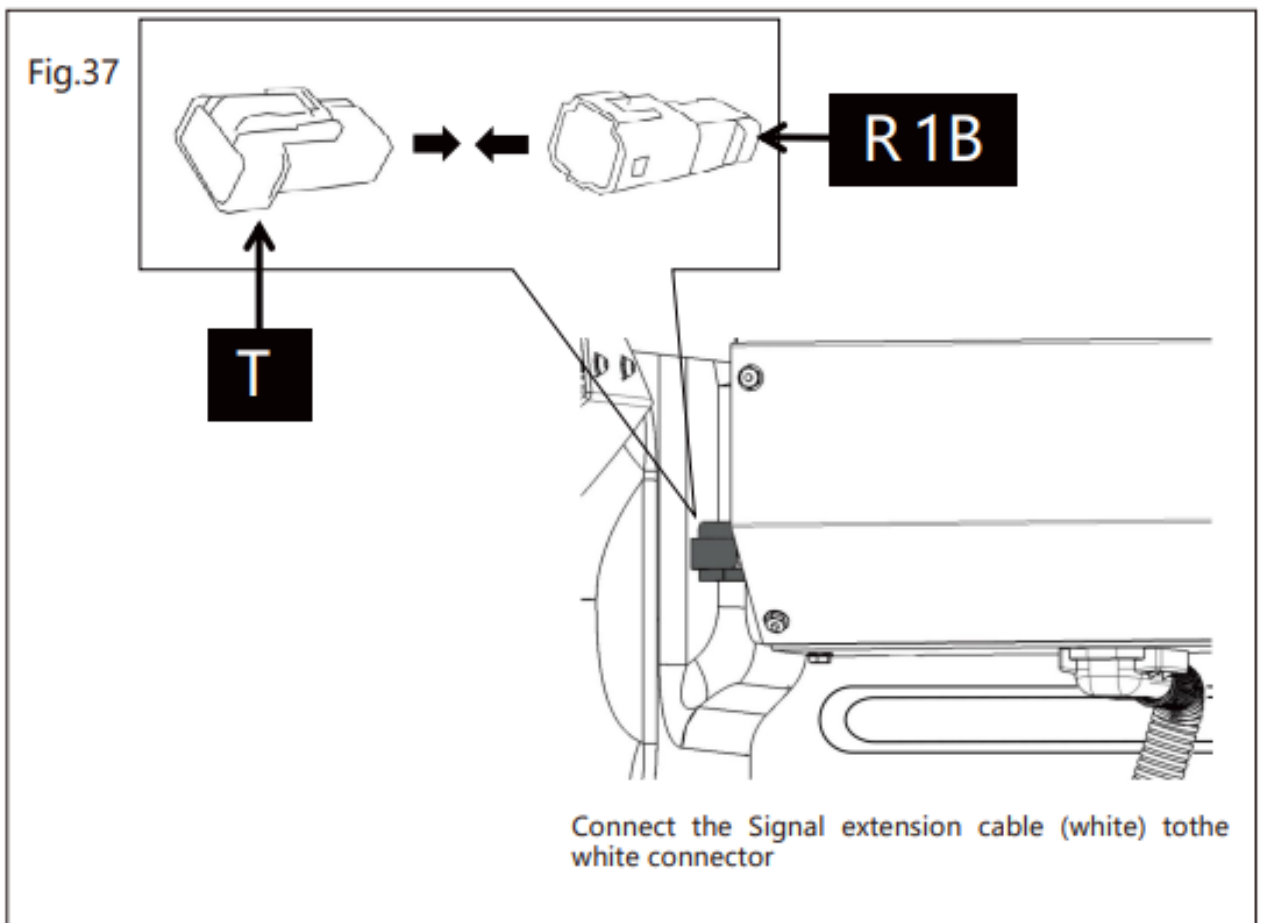
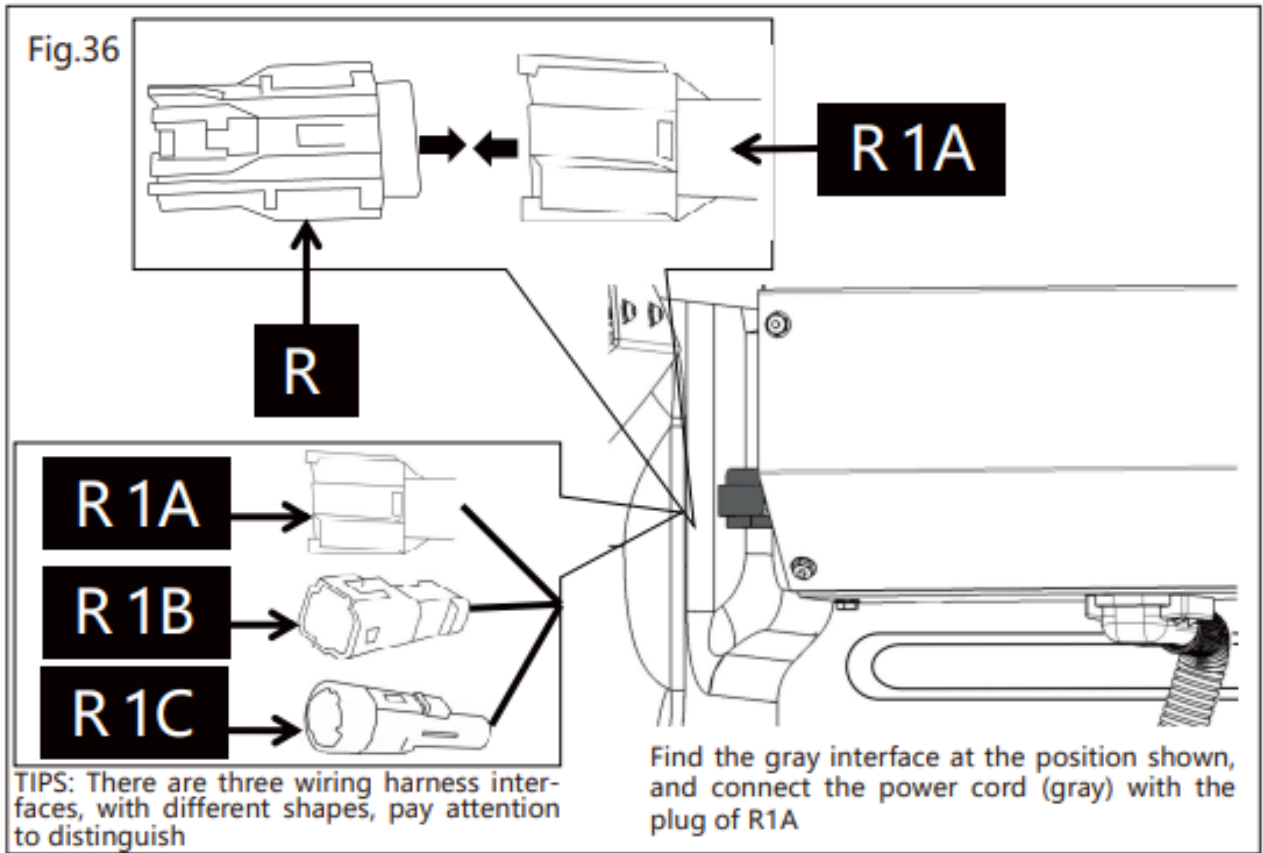
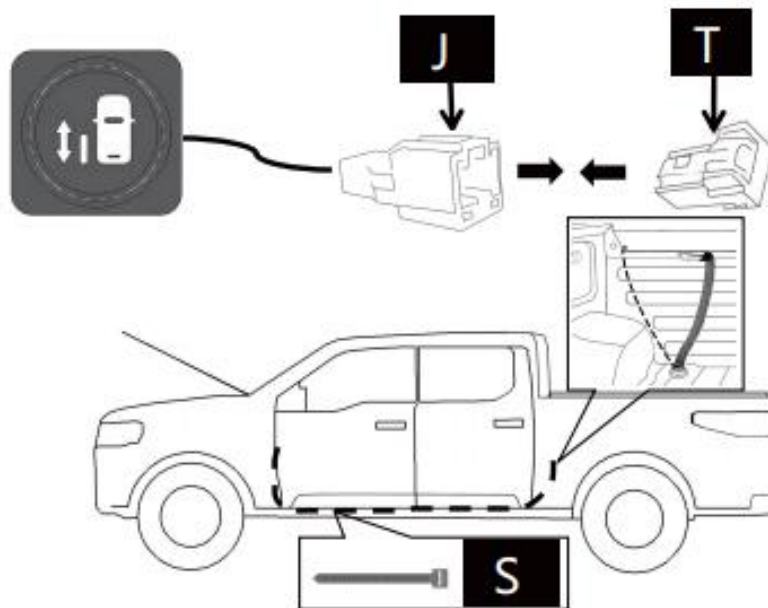
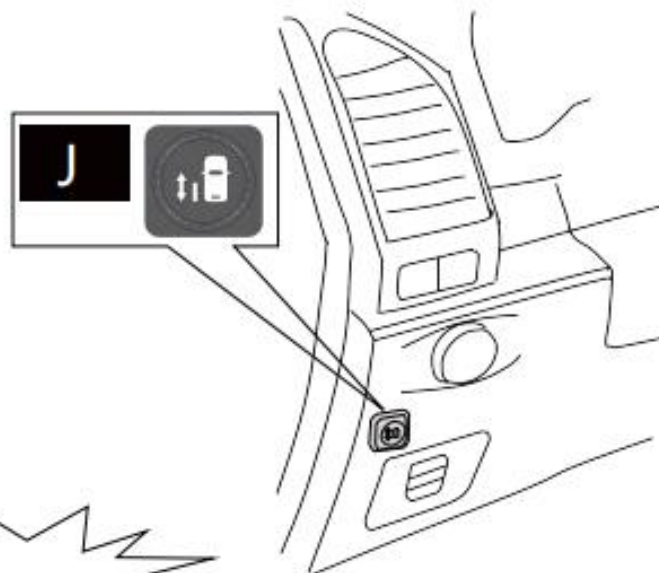


Fig.38



Connect the signal extension cable (white) 'J' to the switch button cable (white) 'T' and pull it out of the car through the rubber ring, and extend it to the driver's seat (the wire harness can be fixed with a tie)

Fig.39



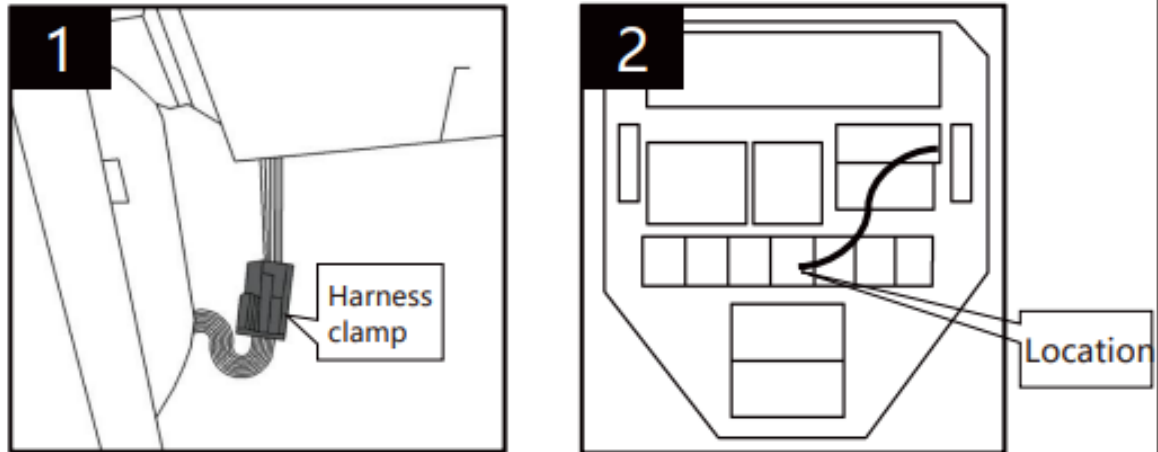
**Attention**

- 1, this button for the cab button, no waterproof function, please do not contact with water, may cause a short circuit;
- 2, the installation position of the front button, as shown in the diagram, can also be placed in other positions, the installation position can not be placed in front of the knee, to avoid the knee on the button touch operation.

TIPS: Can be installed after drilling with  $\phi 20$  drill bit.

Can be mounted in the empty space at the driver's multi-function button, wiring harness can be hidden in the trim panel

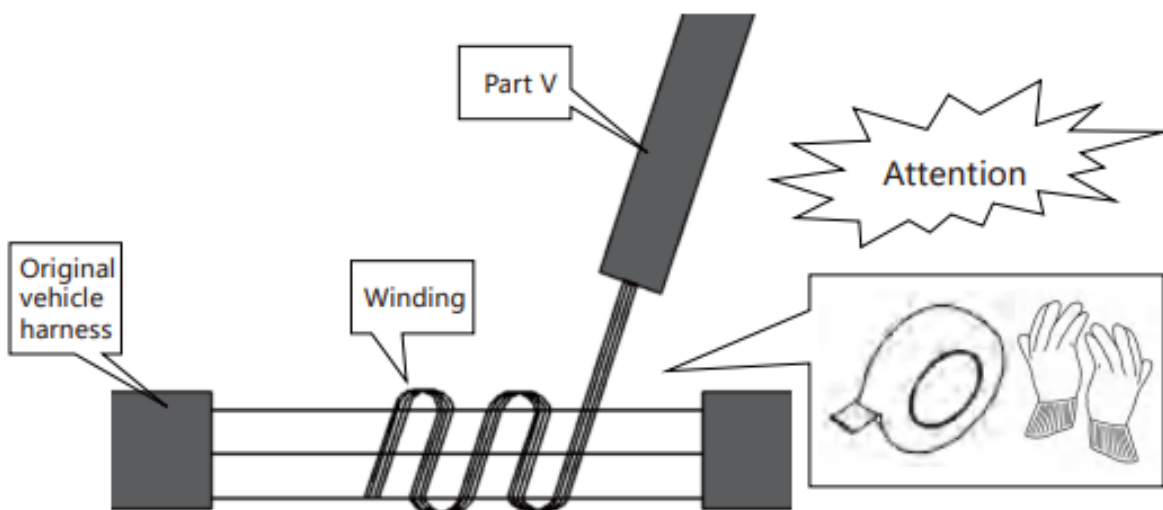
Fig.40



Attention

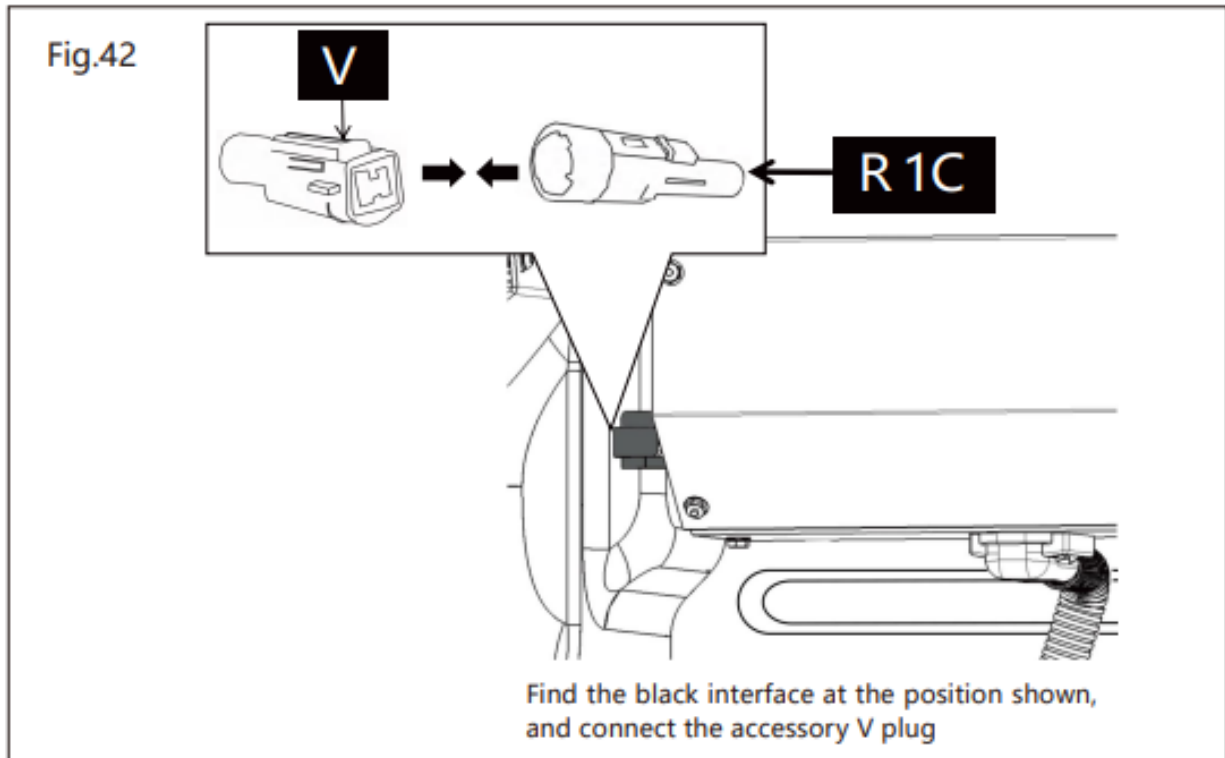
Open the trim panel of pillar A on the driver's side with the wiring harness clip like (Figure 1); find the wire harness at the hole position shown in (Figure 2), cut the original car wiring harness and connect the accessory V signal line (yellow line).

Fig.41



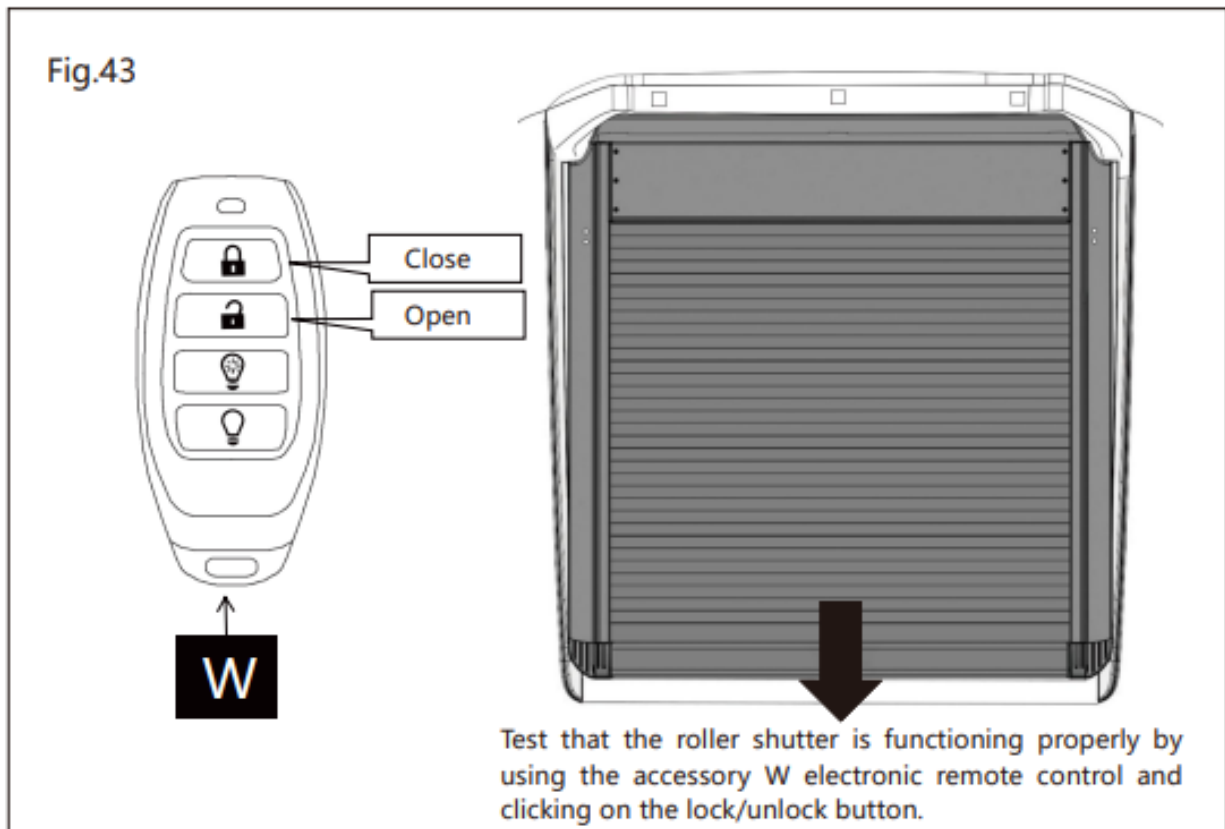
Attention

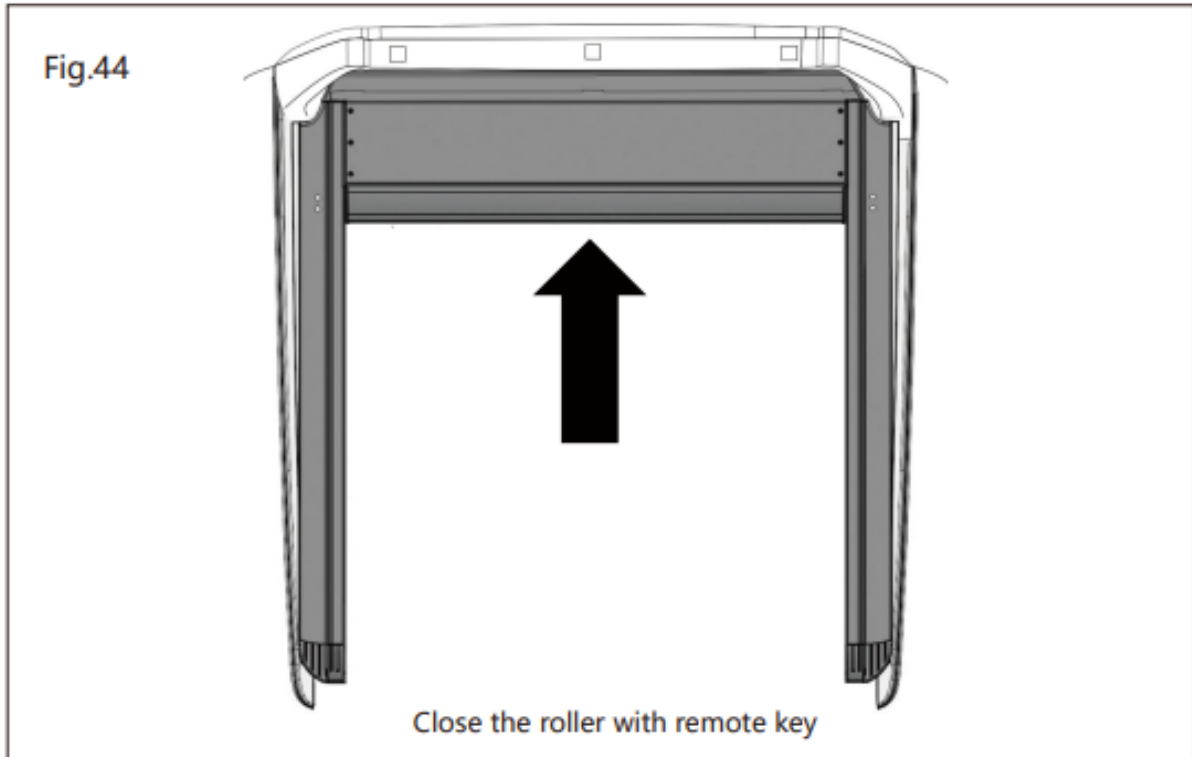
The connection mode is as (Figure 3): wear insulating gloves, use scissors or blades to trim the metal part of the original wire harness and accessory V, wrap the wire harness of accessory V around the original wire harness, and finally wrap the metal exposed part with electrical tape. A path as in step 23 (the harness can be secured with fitting S tie) pulls the harness from the hole of the compartment drain movable plate. Pay attention to the path of the wiring harness to avoid high temperature and moving parts such as the engine, steering gear, exhaust pipe, moving parts and vulnerable parts. Easy to cause damage to the vehicle and wiring harness.



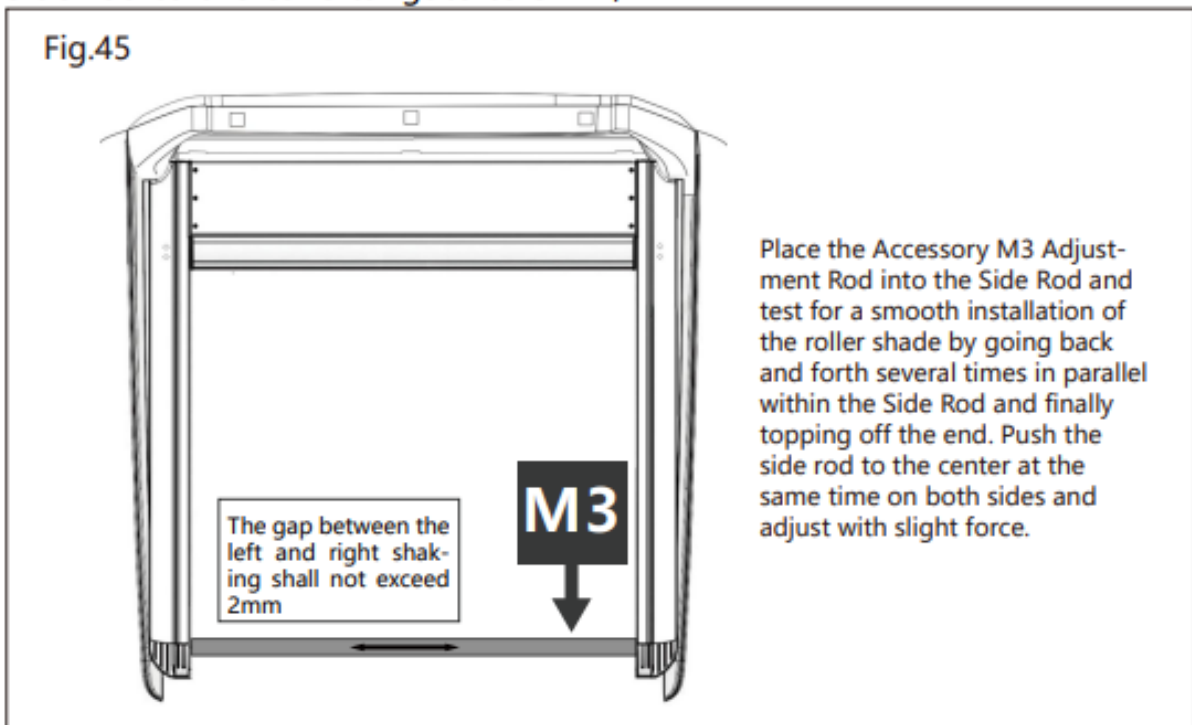
## 2.6 Adjustment / Inspection (gauge M5 or M6)

Option 1: Checker M5



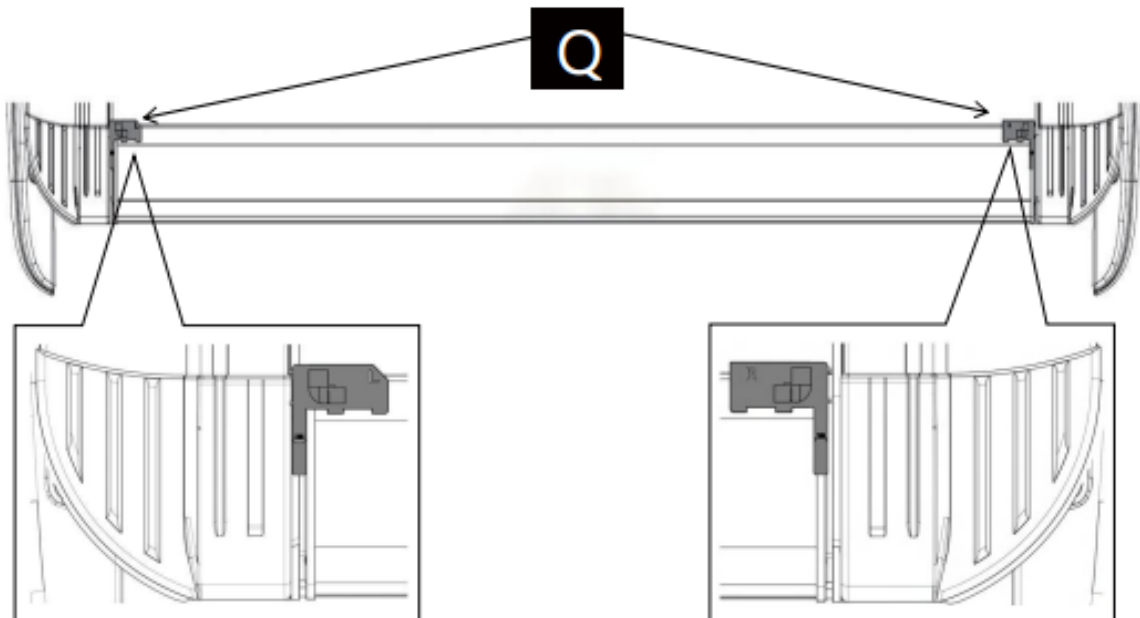


Method 1: Adjust the distance between the tail openings of the left and right side rods, as shown in Figure 24 below. Insert both ends of the adjustment rod into the side rod chute, and the left and right swing clearance does not exceed 2mm; adjust the distance from the tail end of the side rod to the car's tailgate to 5mm;



Option 2: Checker M6

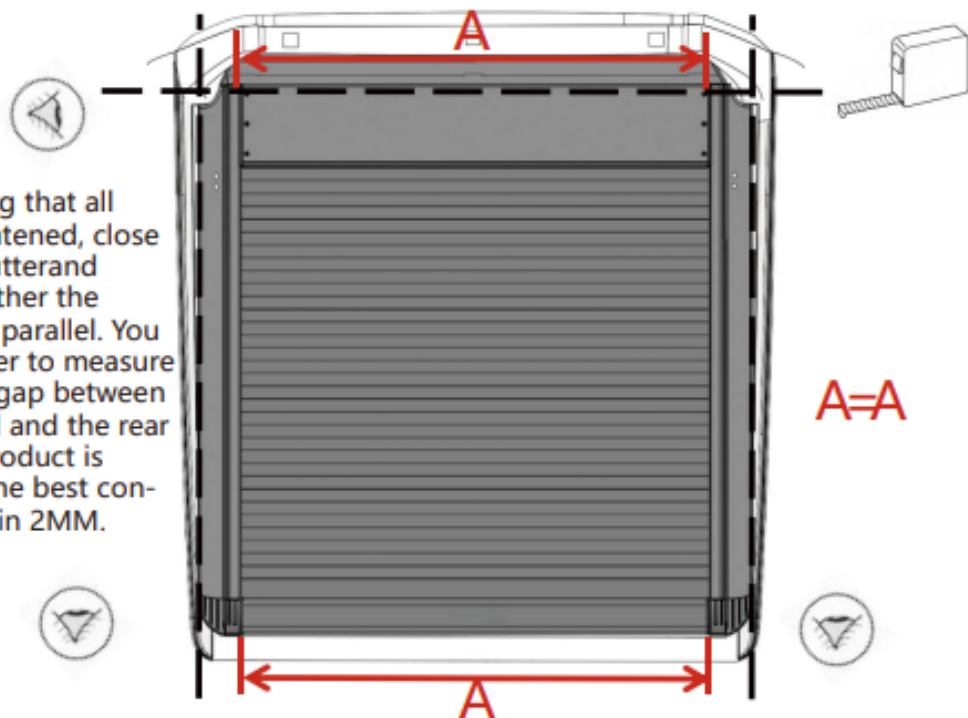
Fig.46 Method 2: Close the rolling shutter and place the gauge Q between the tail door bar and the side bar end. The gap between 7-9 mm is the best condition.



Note: The above two adjustment methods should be selected according to the actual situation.

Fig.47

After ensuring that all bolts are tightened, close the roller shutter and observe whether the products are parallel. You can use a ruler to measure whether the gap between the front end and the rear end of the product is consistent. The best condition is within 2MM.



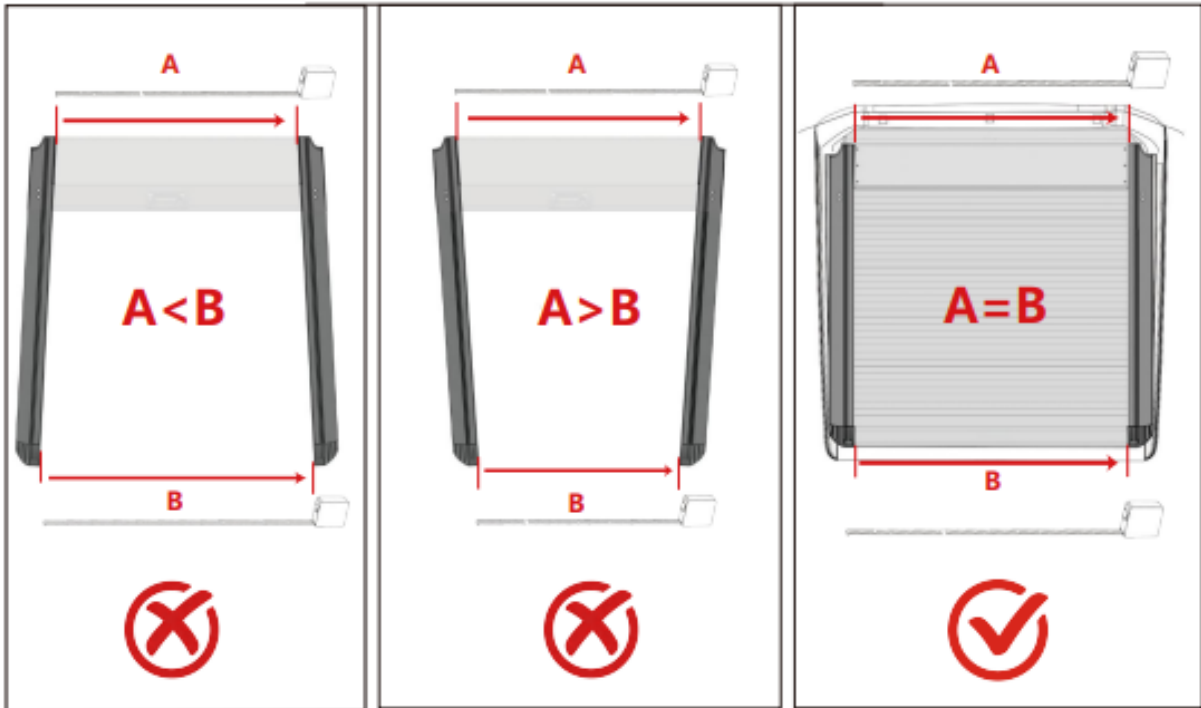
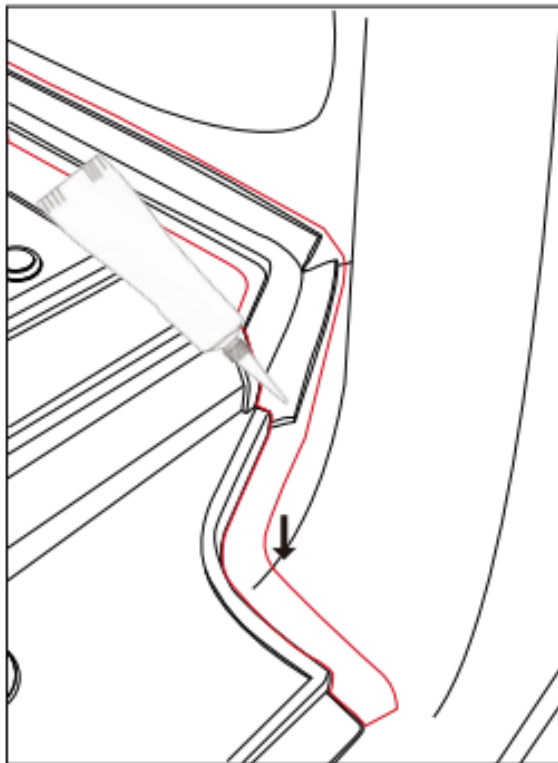
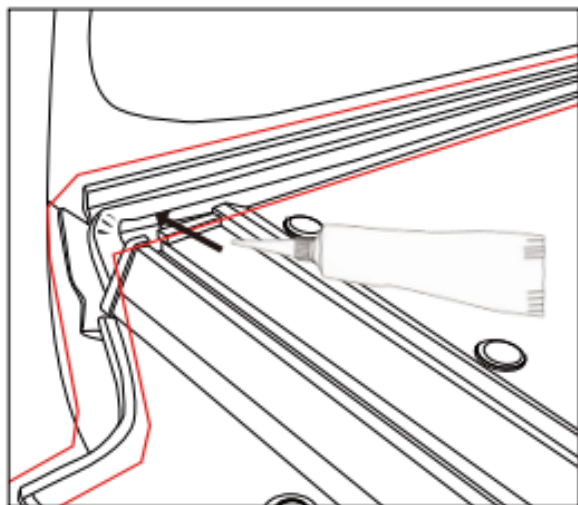


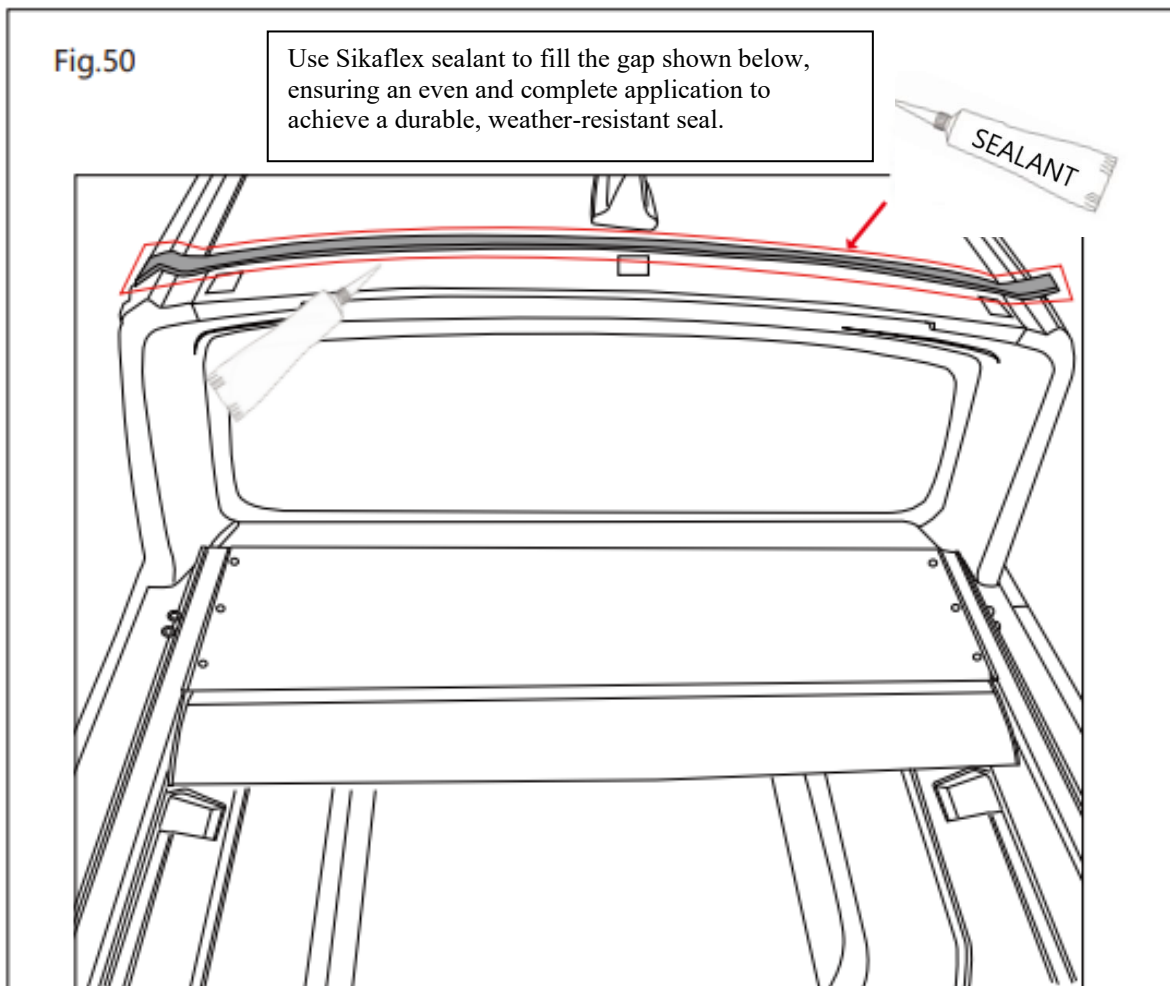
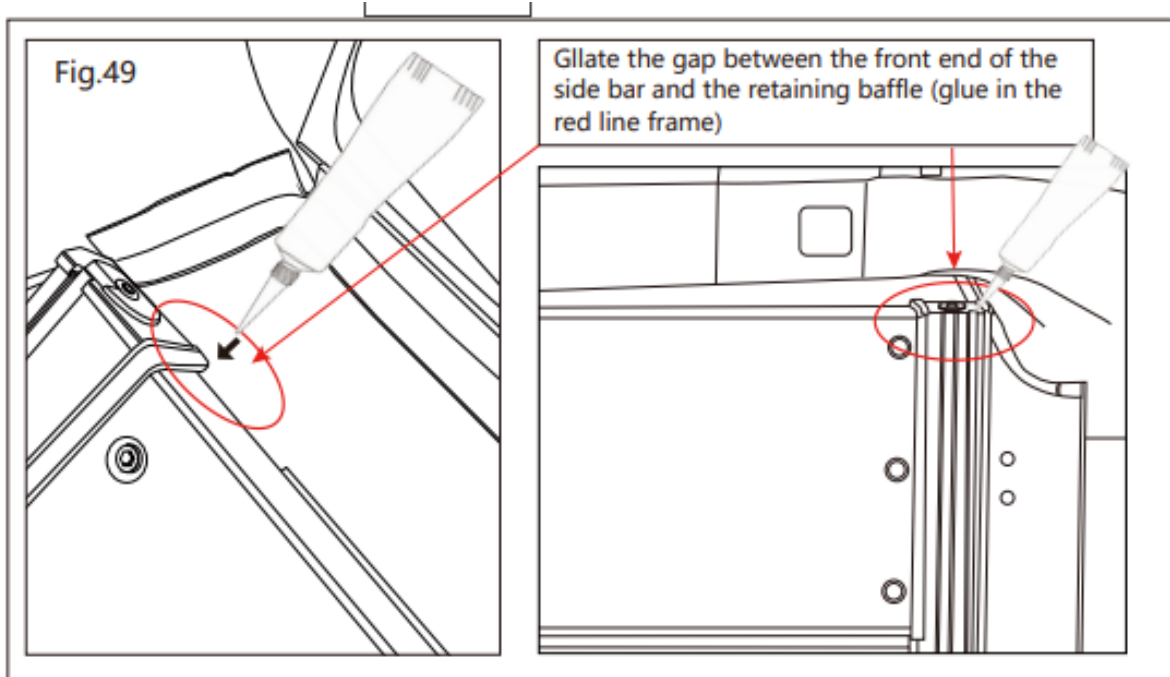
Fig.48








#### Play Glue

Fill the contact surface between the retaining strip and the carriage (glue in the red wire frame)

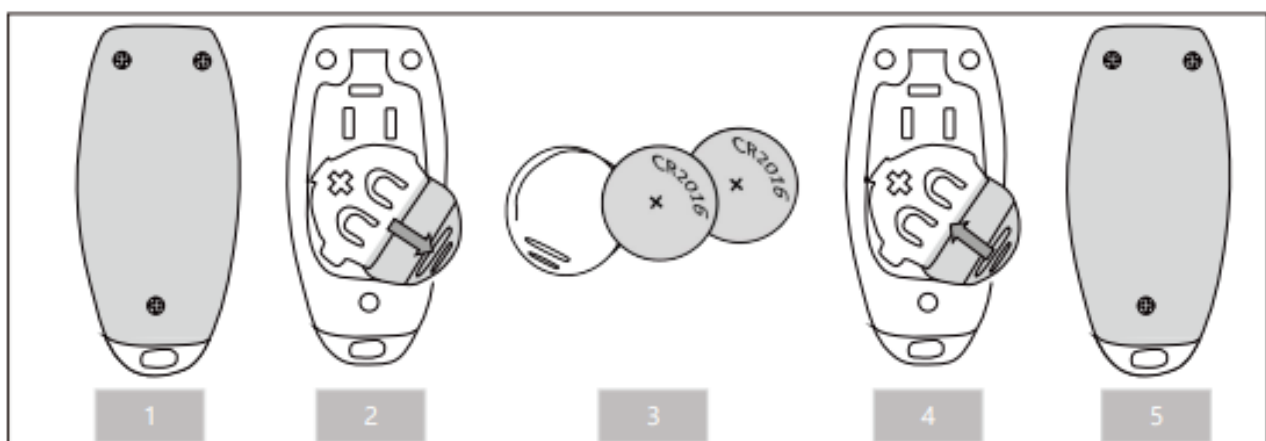




### 3 : Remote Key function introduction

	Button	Button Name	Description
		Close	1. Press the button to close the cover if its under static mode. 2. Press the button to stop the cover if its under moving mode.
		Open	1. Press the button to open the cover if its under static mode. 2. Press the button to stop Light on the cover if its under moving mode.
		Light on	1. Press the button to light on if the light is off, and the brightness is restored to the previous brightness. 2. Press the button to switch to the next brightness level if the light is on(level 3 brightness in cycle switch) .
		Light off	Press the button to turn off the LED light.


#### 3.1 Remote Key battery replacement



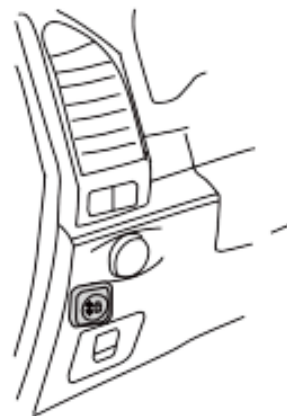
#### Remote Key Extras

Key combination function	Sound of successful operation	Operation	Remarks
Code Match	1 long and 1 short	Press both Open & Close button at the same time	The operation is effective within 5s after power-on
Open/close the cover in place	1 Long	Press Light Off button 3 times	No time limits for this operation, but the 3 times press must be continuous.
Initialize the cover position	1 long 2 short	Press both Light On & Off button at the same time twice in 3S	This operation if effective only when the cover is completely closed.
Adjust anti-pinch strength	1 long 3 short	Press both Close & Light Off button at the same time twice	3 strength levels switch in circle (the default setting is medium strength)
Adjust the running speed	1 long 4 short	Press both Open & Light On button at the same time twice	3 strength levels switch in circle (the default setting is medium strength)

### 3.2 Key Fob Control

	Operation	Cover State	Remarks
	Press Unlock 3-5 times continuous	Cover open	Press 3 to 5 times in 2 seconds to be effective, more than invalid.
	Then Press Unlock 1 time	Cover stop	This operation is only effective under cover moving status (press Unlock 1 time to stop the cover); If not under moving status, this operation is invalid.
	Press Unlock twice	Light on	When the cover is under closed status, press Unlock twice in 2 seconds, then the light on (time-out invalid).

### 3.3 Front Button Control

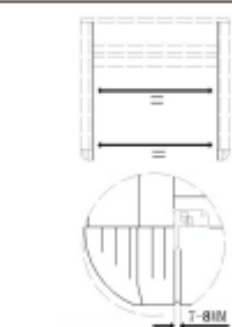


	In order to facilitate user's operation, we offer an extra option with button control near driver's seat, so the user can easily control roller.		
	Operation	Function	Remarks
	Long press (about 1s)	Cover open	This operation is only effective when the cover is under closed status, after the operation of the cover to open, and in the open button light has been lit.
	Press again	Cover stop	1. When the cover is under moving status, press again to stop; 2. When the cover is stopped and under an open state, press again to close; 3. When the cover is under closed status, the operation is invalid.
Short press	No react	To avoid mis-operation, if the cover is not activated by long press, short press is considered by the system as mis-operation, do not react.	

## 4. Maintenance


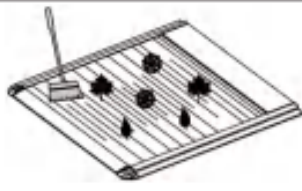
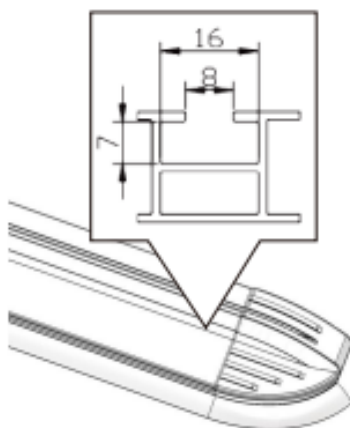

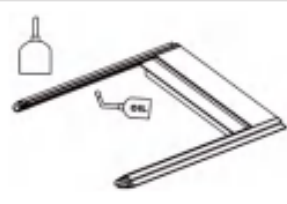
### 4.1 Common Problem Solution

Abnormal sound	Reason	Remarks
2 short	Over current in motor operation	Operating resistance is too big. Mainly because run into obstacles, or not on time maintenance.
3 short	Time out for motor operation	Cover one-way running time for more than 15S
4 short	No Hall signal detected	Motor or controller failure, or not well connected with the plug

### 4.2 Failure analysis:

Number	Common fault phenomenon	Analysis	Pics	Solutions
1	Abnormal sound-2 short	1.Side bars are installed inward or outward and not placed parallel. 2.Big resistance leads to non-smooth operation. 3.Side bars deform due to heavy load for sport bar/ladder rack etc.		<ol style="list-style-type: none"> <li>1. Use the installation gauges.</li> <li>2. Adjust the side bar installation to make sure the front and rear distance are the same.</li> <li>3. Pull the roller out completely and measure the gap between tailgate bar and side bar ends, gap between 7-8mm is the best.</li> <li>4. Check if the side bar is deformed by the pressure of other heavy load parts.</li> <li>5. Adjust the brackets of side bar installation, to make sure the side bars are parallel to the roller.</li> </ol>
2	Abnormal sound-4 short	No Hall signal detected.		<ol style="list-style-type: none"> <li>1. Unplug and replug the controller connector as well as the motor.</li> <li>2. Replace the controller or motor.</li> </ol>
3	The remote key can not control the cover	<ol style="list-style-type: none"> <li>1. The cover not power on.</li> <li>2. Low battery in the remote key.</li> <li>3. Un-matched code with controller.</li> </ol>		<ol style="list-style-type: none"> <li>1. Check if the LED light on controller is flashing to confirm power supply is okay. If no power, check if the positive fuse or roller burnt out.</li> <li>2. Check if the indicator on remote key is obviously dimmed or no light when you press the button, then replace battery.</li> <li>3. Do code match for the remotes.</li> </ol>

## 5. Daily Maintenance

 Keep the drainpipe free from blockage.	 Clean the litter before use.	 Compatibility: M8 bolt.
 Clean and lubricate the canister every 6 months.	 Clean and lubricate the side bars every 3 months.	

## 5.1 Attention:

1. To assure quiet and smooth operation of your roller, please regularly clean and lubricate the rail tracks and canister. It is recommended every 3 months or 6,000 km, or when you use it in muddy water, desert, Gobi desert, etc. Please focus on cleaning the side rails and the spiral track inside the container which may have sand, sludge, gravel and other sundry inside. Please use the lubricants we offered or other brand silicone oil-type lubricants after cleaning, and increase the frequency of using lubricants based on actual situation. Avoid using petroleum-based product on rubber seals. Lighter oil spray lubes with PTFE (Teflon) seem to work the best when regularly wiped out and reapplied.

2. Avoid the thicker grease type because they tend to get sticky and gather a lot of dust and debris and then later dry out. Also Avoid the silicone dry lubes as they tend to cause squealing noise between the sliding components.

3. Please make sure the roller is in a stop status before cleaning/lubricating, to avoid causing extrusion or collision injury.

4. To clean the rail tracks and the spiral track inside the container, please apply the lubricant to a rag and wipe it inside of the rail tracks, along the underside of the sweep seal and the top of the wear strip. Repeat until the dust has been removed. You can also use a high-pressure water gun if necessary and then make sure all components have been lubricated. Please DO NOT direct aiming the high-pressure water gun to the motor/ECU/-connector when cleaning, and do some necessary waterproof protection for connectors/plugs.

5. To clean the canister, remove the rail stops, or vertical rails as required, and run the cover out far enough that you can get into the canister. Apply the lubricant to a rag and wipe the inside of the canister, including all components inside the canister. Ensure the Drain Tubes are clear of any debris or blockage. Reassembly the cover.

6. To keep the roller in tip-top condition, we recommend washing it the same as caring for your truck finish. A lack of proper cleaning and maintenance can affect the operation of the product and reduce its life.

7. Do not attempt to drive with the tail panel in the partially open position.

8. Tonneau cover must be free of foreign material including snow and ice before opening panels.

9. Do not tow your vehicle from the rear with the tonneau on your truck.

10. Do not operate vehicle with objects on top of cover.

Failure to follow these cautions may result in severe damage and will void your warranty!



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PLEASE READ INSTRUCTIONS COMPLETELY BEFORE SET UP

# **AIRPLEX ELECTRIC ROLLING LID** **PHONE APP SET UP GUIDE**

**Important Note: Please do not disclose your password for the Rolling lid app.**

## 1. BRIEF INTRODUCTION

This paper introduces the detailed use and precautions of Electric Retractable Tonneau Cover Smartphone APP control.

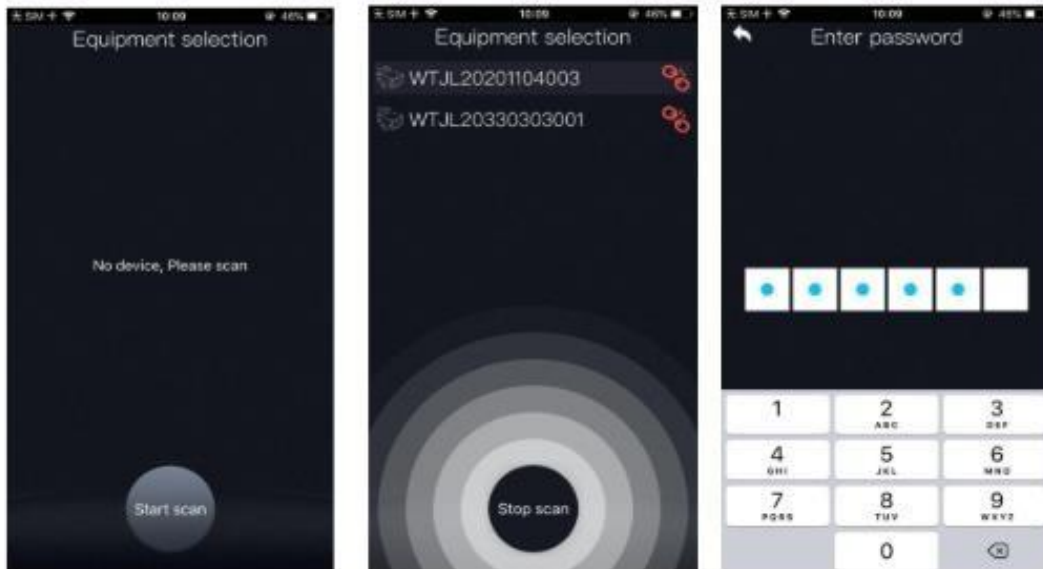
## 2. OPERATION INSTRUCTION

### 2.1 Login the program

- 1) For IOS system Smartphone, please search 'Smartctr' in APP Store to download.
- 2) For Android system Smartphone. Please scan the following QR code with browser and download.



- 3) Enter the APP, click 'Start scan' to search device start with 'WTJL'.



- 4) Click the effective scanned device, input initial password 123456 to enter.  
[Please change the password after login, do not disclose the password to anyone, so as not to cause vehicle security problems!]

### 2.2 Program Main Interface

Program Main Interface Introduction



- A: Click to open the "closed" or "not fully Open" Tonneau Cover; If the Tonneau Cover is already fully open, then it will keep still.
- B: Click to close the Tonneau Cover; If the Tonneau Cover is already closed, then it will keep still.
- C: Click to turn on the light with previous brightness level if it was "off" status; If it was already "on" status, then the light brightness shall cycle among 25%, 50%, 100% after every click.
- D: Turn off the LED light.
- E: Indicate the LED light status. Red color indicates light on, Grey color indicates light off.
- F: Click to enter the device info interface.
- G: Click to enter the device setting interface.
- H: Change Password

**Note:**

The following pictures will display the current position of Tonneau Cover in real time.



## 2.3 APP Program Info Interface

### Program Info Interface Introduction

The interface mainly records and displays the basic information and usage records of the device.



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Device Info	
Serial number	WTJL2033-03-03-001
Hardware version	WT1037K
Software version	V01.39.01
Operating voltage range(V)	9.0~16.0
Operating temperature range(°C)	-40~80
Running time(Day)	0
Motor running time(S)	81
LED running time(S)	29
Number of over current	0
Number of motor running overtime	0
Number of HALL signal ERR	0
Maximum route	900
Current route	0
Current running status	Stop
Automatic aging status	Stop
Number of open today	0
Number of close today	2
Number of light on today	1
Number of light off today	1
Number of foot sensor today	0
LED status	OFF
Left light bar status	Open

#### 2.4 APP Program Setting Interface

##### Program Info Interface Introduction

After modifying the configuration, please click the bottom "Update Settings" to make the settings effective.

Note: Users can only modify contents in the following blue box, other items can't be modified

randomly, or may cause the abnormality of the device.



Anti-pinch strength: [S(small), M(medium), L(large)]. By setting this item to adjust the sensitivity of starting and stopping protection when touching obstacles during Tonneau Cover Operation.

Anti-pinch strength	Description	Remark
S(small)	High sensitivity	
M(medium)	Medium sensitivity	Factory Default Settings
L(large)	Low sensitivity	

If the Tonneau Cover has been used for a long time without regular maintenance in time, or with improperly installation, the operation resistance may increase and trigger the "Anti-pinch protection", so the Tonneau Cover may stop during operation. Then you can reduce the sensitivity of "Anti-pinch protection" by setting this "Anti-pinch strength" for a temporary solution to this problem.

**Note:** This is recommended only as a temporary solution to solve the problem. To ensure the Tonneau Cover works in good condition, it must be installed correctly and maintained timely. Do not long-term use it after reducing the sensitivity.



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Running Speed: [H(high), M(medium), L(low)]. By setting this item to change the running speed of Tonneau Cover.

Running Speed	Description	Remark
L(low)	Low speed	Generally about 12 seconds to finish Open or Close operation
M(medium)	Medium speed	Factory Default Settings, 10 seconds to finish Open or Close operation
H(high)	High speed	8 seconds to finish Open or Close operation

In addition to affecting the completion time of Open or Close Tonneau Cover operation, the Running Speed is more slower, the smoother the Tonneau Cover runs, and also less noise during running. Thus we recommend customers choosing slower Running Speed.

Change password: Change the login password through this item.

Click "Change password", it will show the following interface.

The password is 6 Arabic digits.

Note: for the safety of your vehicle, avoid using same six numbers, or consecutive numbers.



After entering exactly the same 6 numbers in the "new password" and "confirm password", click "ok" to complete the password change.