

U-GUARD

ALUMINUM RETRACTABLE TONNEAU COVER (RTB-4421)

INSTALLATION INSTRUCTIONS

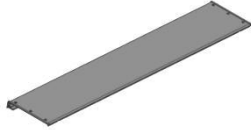
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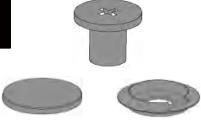
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WWW.UGUARDAUTOMOTIVE.COM
SALES@U-GUARD.CA - 1-888-948-9204

1. ProductIntroduction

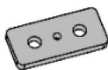
1.1 Bill of Material - General

M1		1X	M2		1X
M3		1X	M4		1X

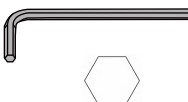
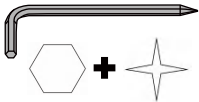
Bill of Material- Canister

A		2X	B		4X	C		6X	D		2X	E		2X
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Bill of Material- Brackets

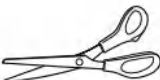
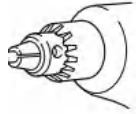
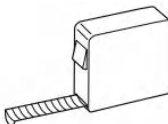
F  6X	G  6X	H  6X	I  6X	J  6X	K  L1+R1
L  6X	M  6X	N  6X	O  6X		

Maintenance

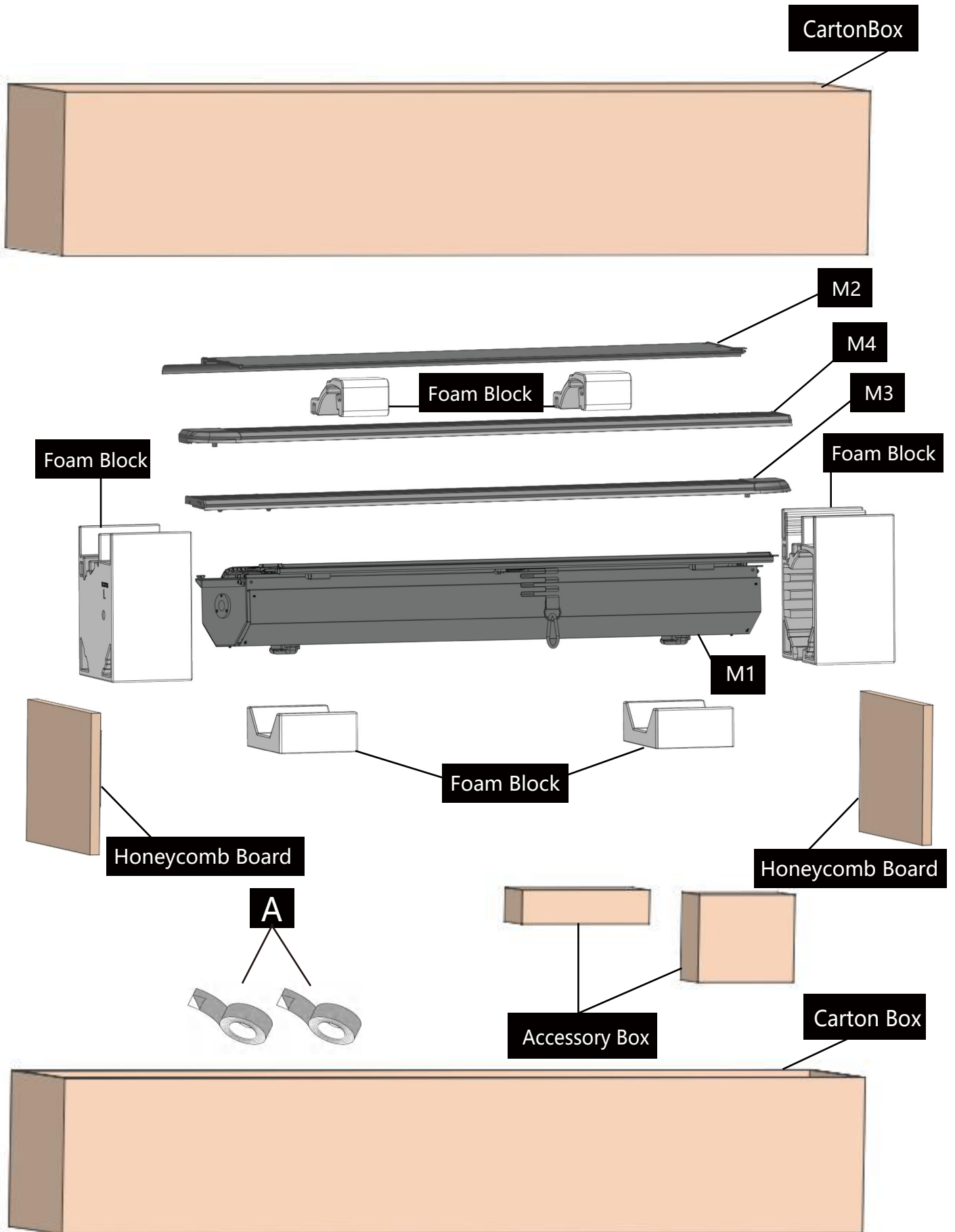
R	Sealant		1X	S	Bricant		1X	T		S=5	U		S=5	V		S=8/10	1X
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Bill of Material-Tools

Other Assitive tools (Provided by Customer)

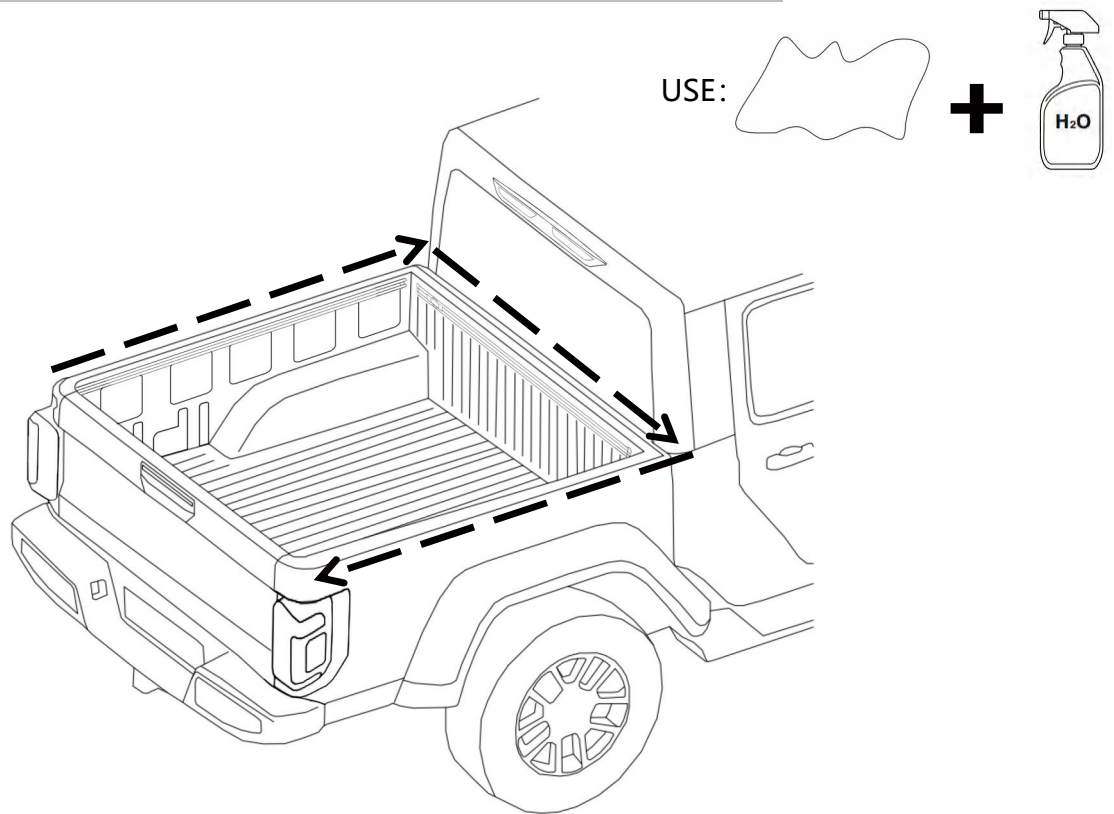
				
Φ28	Φ20			
				

1.2 Product Components

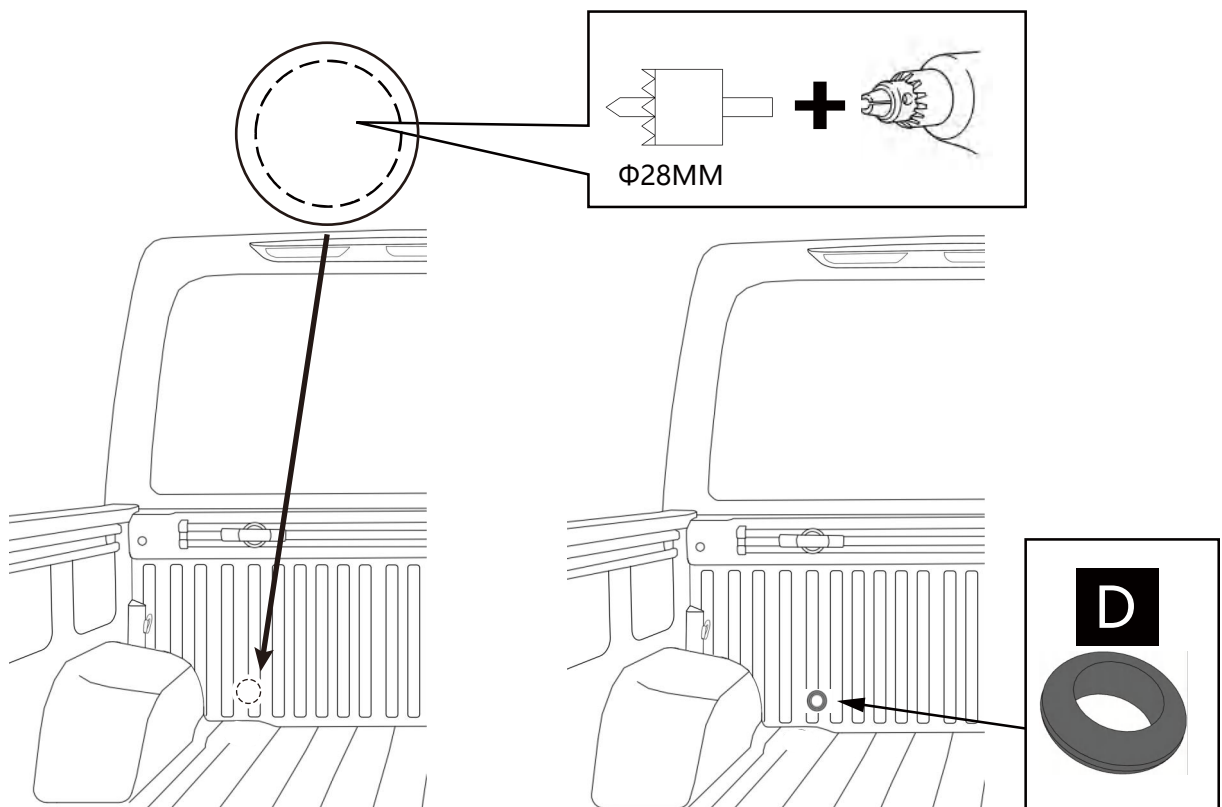


2. Preparation before installation

2.1 Make sure the car has no other accessories and remains clean



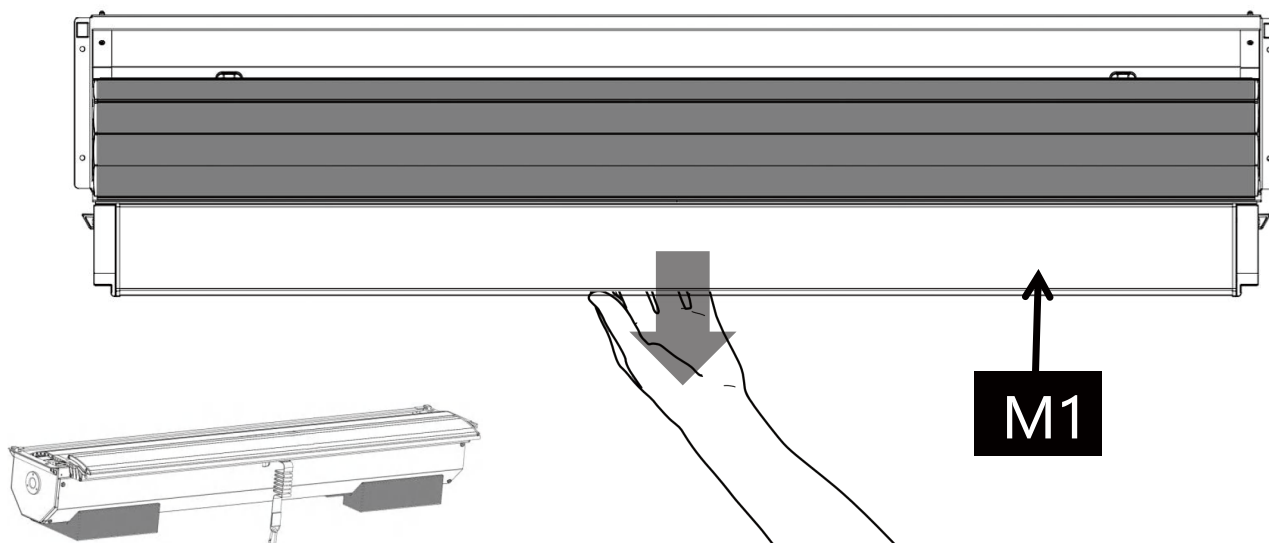
Wipe the mounting surface clean.



Use a $\Phi 28$ drill bit with a hand drill to drill holes in the underside of the front edge of the carriage. After drilling, remove the burr cape and install accessories d aprons on the round holes.

3. Roll curtain assembly

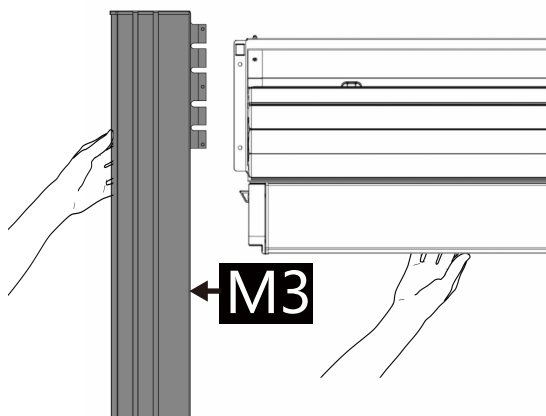
3.1 Pull out the 4-6 frame curtain pages



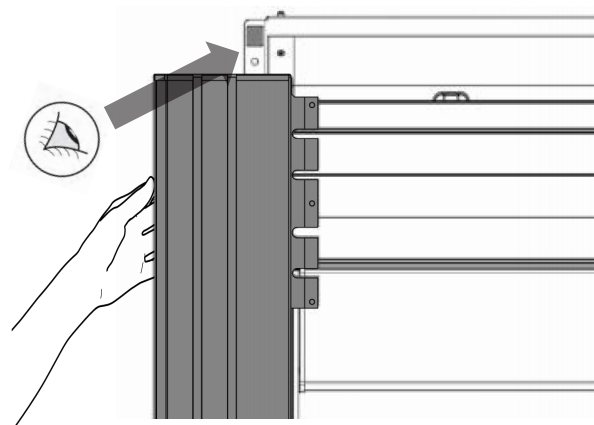
Tips: Put the canister on the foam block for assembly to avoid scratch.

Pull out 4 aluminum bars

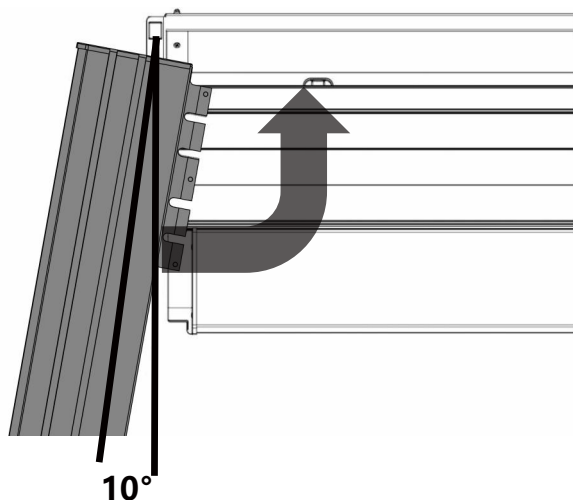
3.2 Assemble the side bars



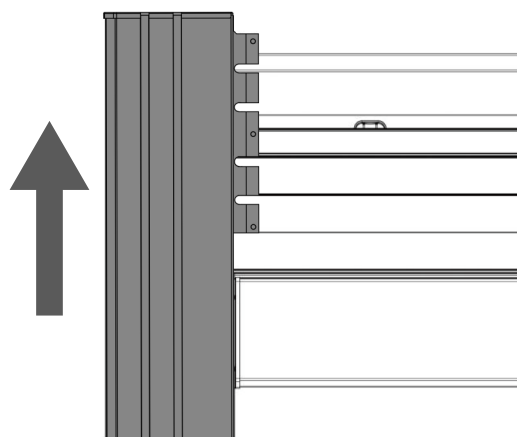
Step 1: hold the side bar with the left hand and hold the cover plate with the right hand



Step 2: align the side bar groove with the T-block raised in the box, and insert the side bar into the T-block a little



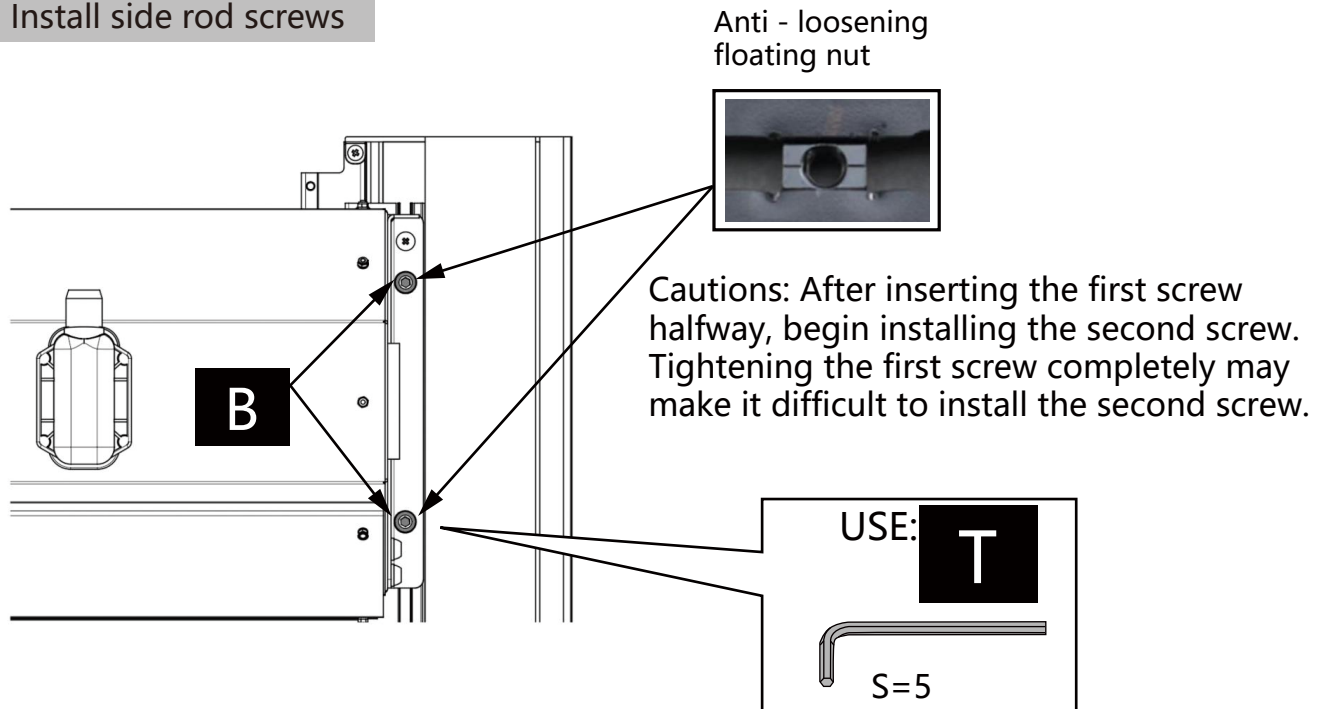
Step 3: Move the side bar to the left, and then load the box to the right



Step 4: Push the side bar forward to the end.(Left and right side bars are installed in the same way)

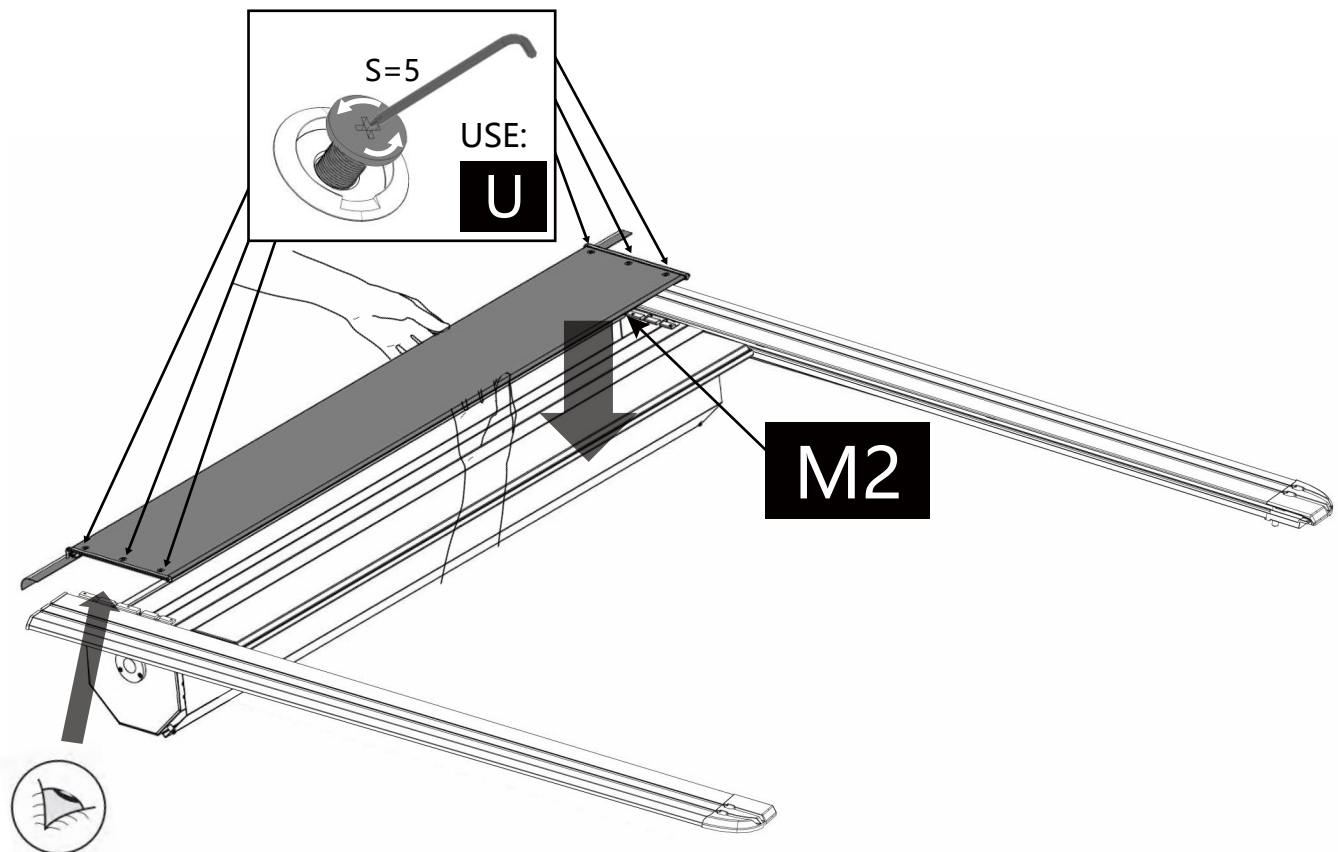
4. Install side rod screws

4.1 Install side rod screws



Installation Tip: Please ensure that the screw is inserted at a 90- degree angle, and also maintain the screwdriver at a 90- degree angle during operation to ensure proper screw installation.

4.2 Install the upper cover of the box

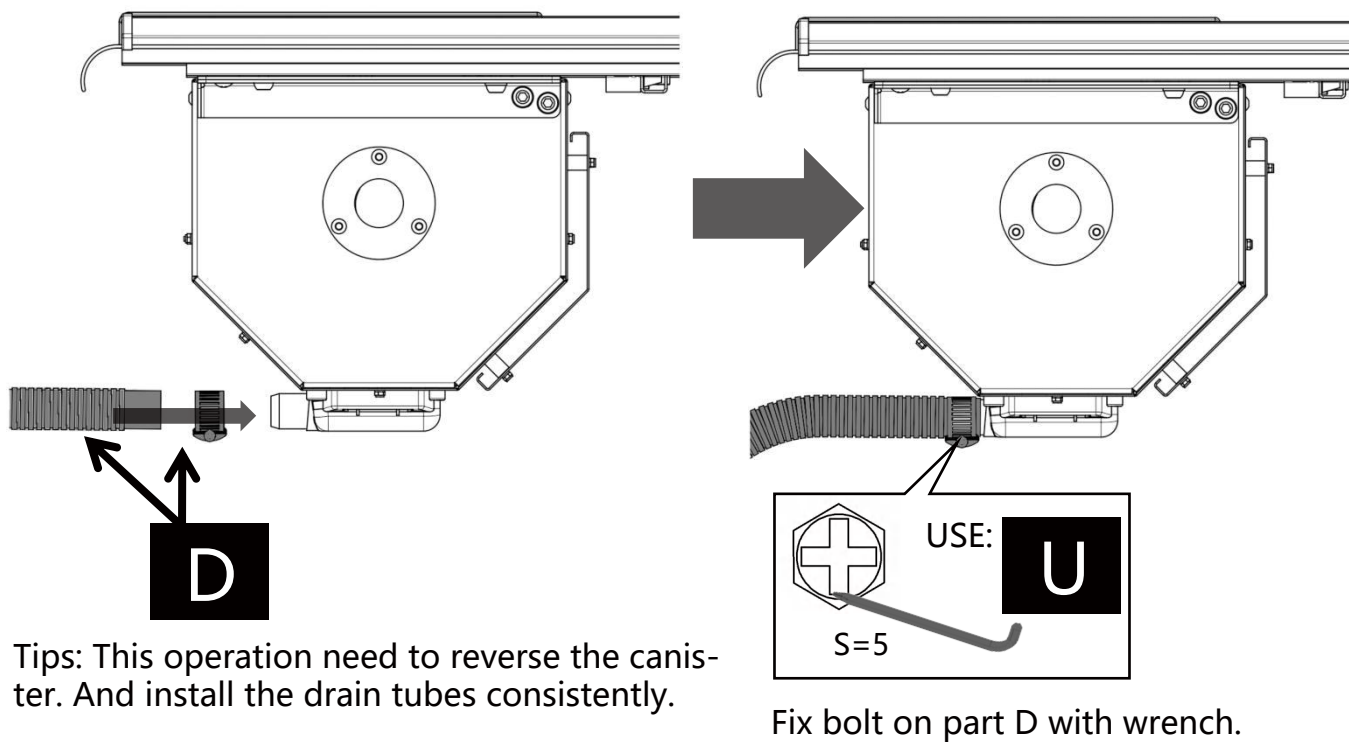


Tips: Match the top cover exactly to the canister.

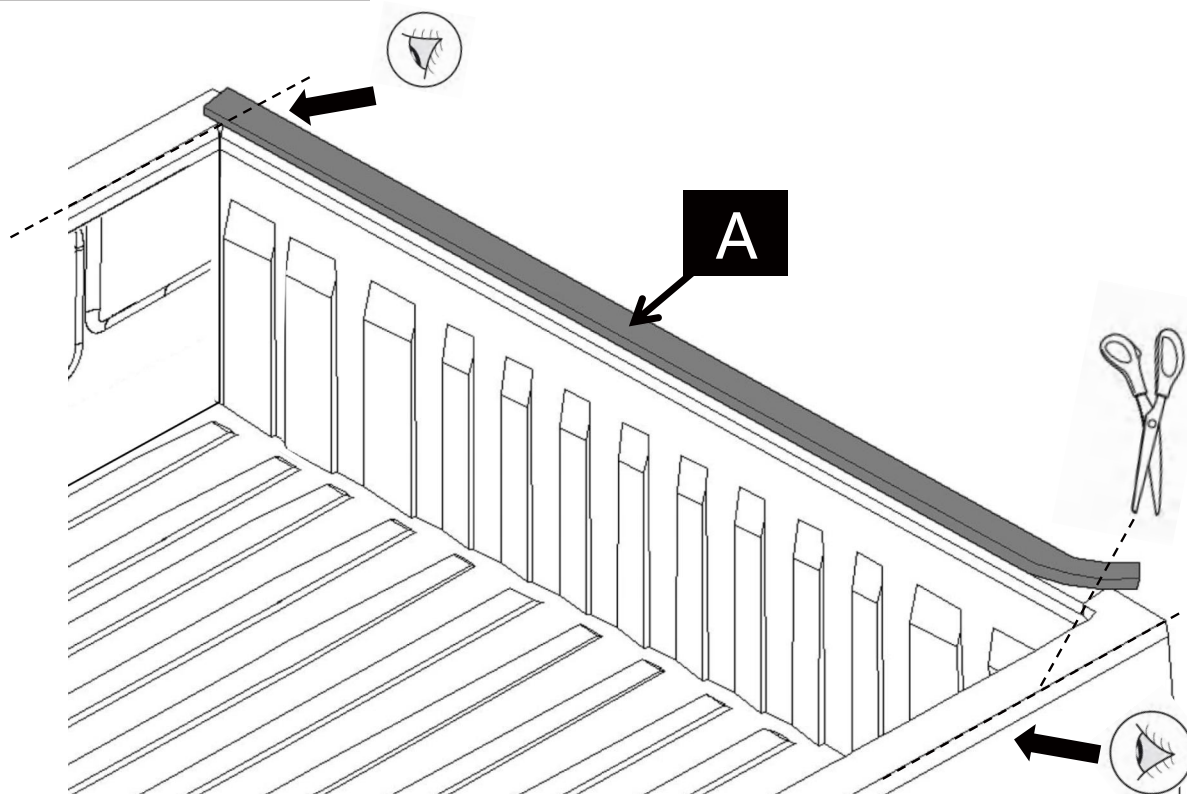
Align the top cover with the holes on side bar.

5. Install the front drain pipe

5.1 Install front drain pipe



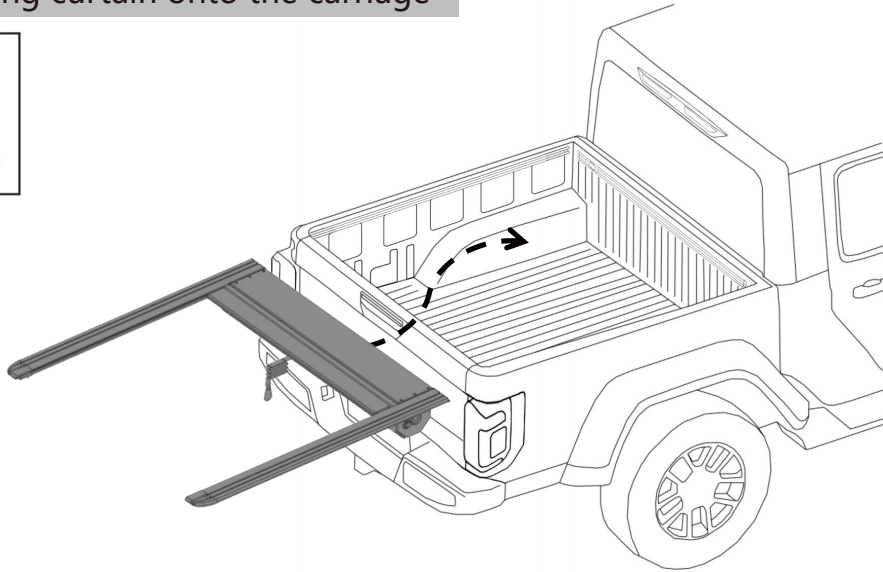
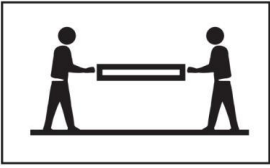
5.2 Paste waterproof foam



Paste the foam on the front bar to achieve same height level with truck side bar, and cut off the excess parts to make sure aligning on both sides.

6. Place the shutter on the pickup and position

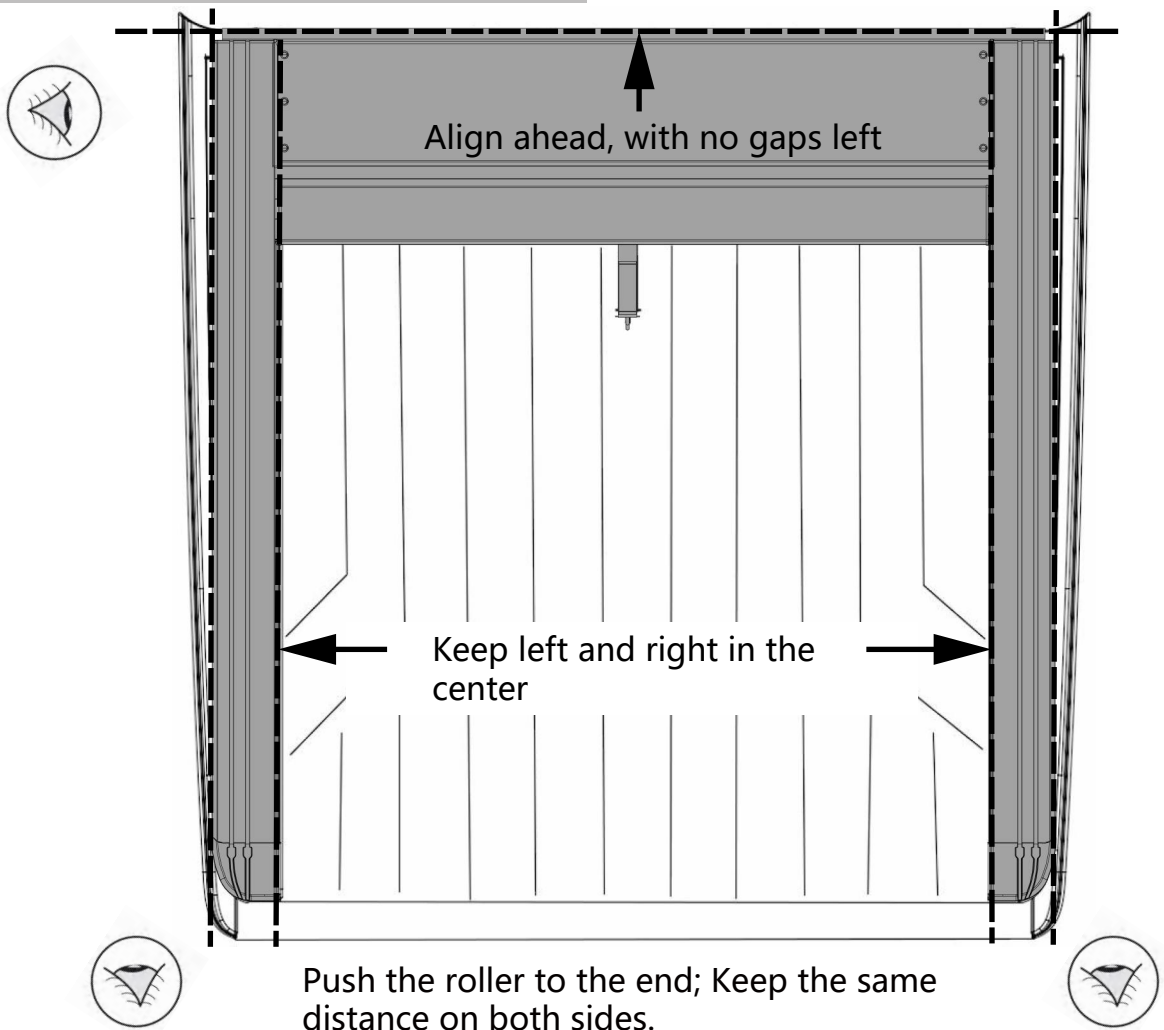
6.1 Lift the rolling curtain onto the carriage



Tips: Installation requires 2 people to carry the product onto the truck bed for safety of personnel and product. Please pay attention to avoid any scratch on vehicle and product surface.

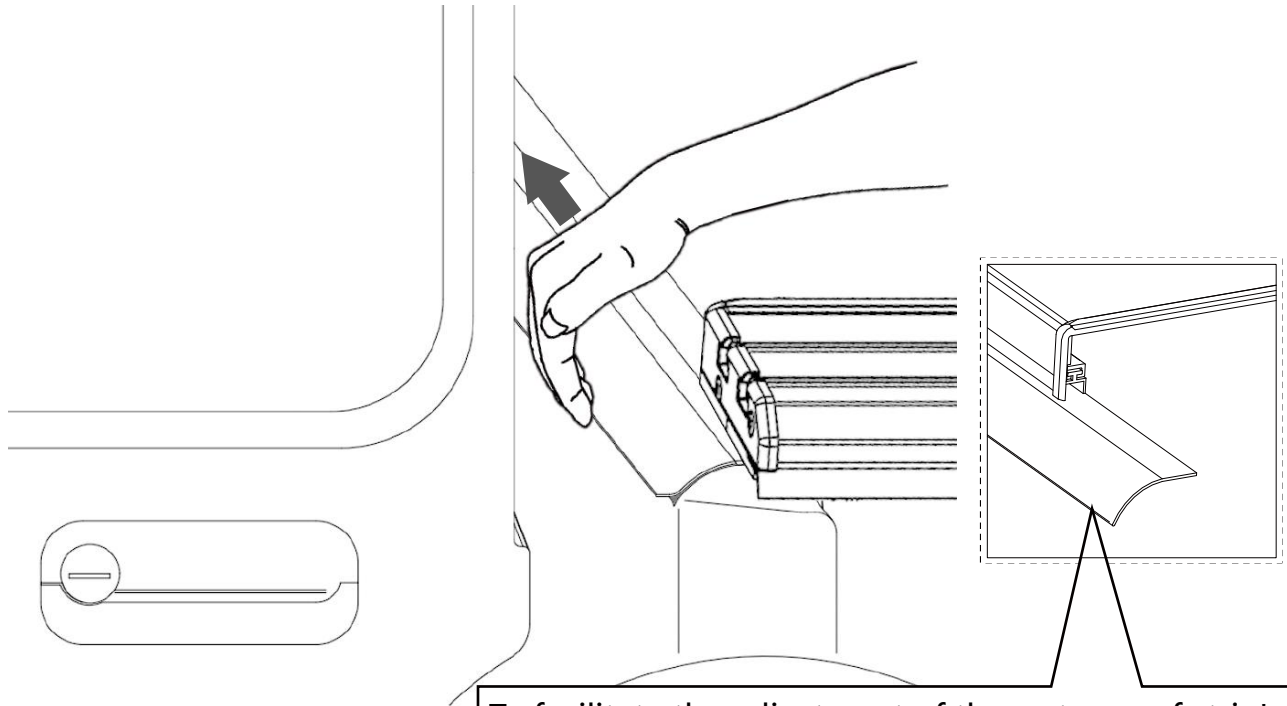
Lift the product onto the truck bed.

6.2 Adjust the position of the rolling curtain



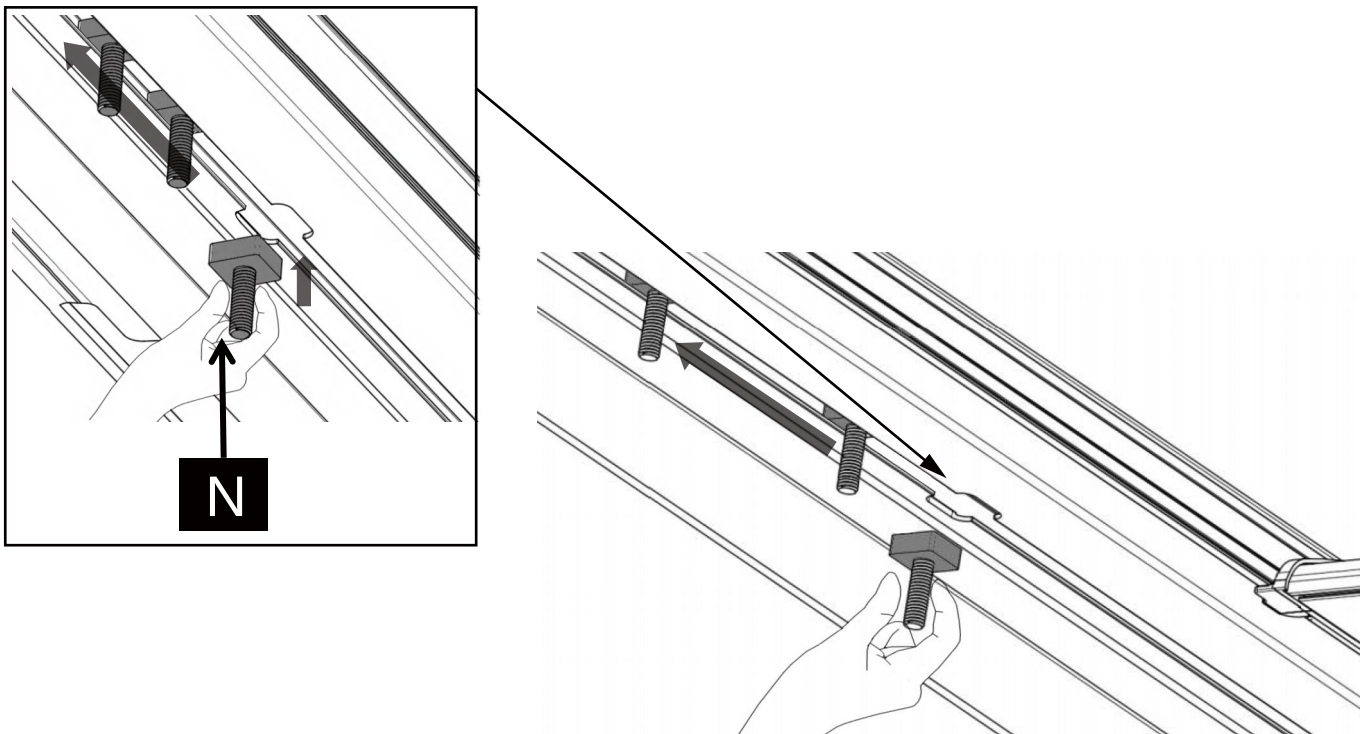
7. Adjust the waterproof tape of the box and put the T-bolt

7.1 Adjust the position of the waterproof adhesive strip



To facilitate the adjustment of the waterproof strip's angle, both ends of the strip are designed with an opening, allowing the box to press down on the waterproof strip easily.

7.2 Place T bolts

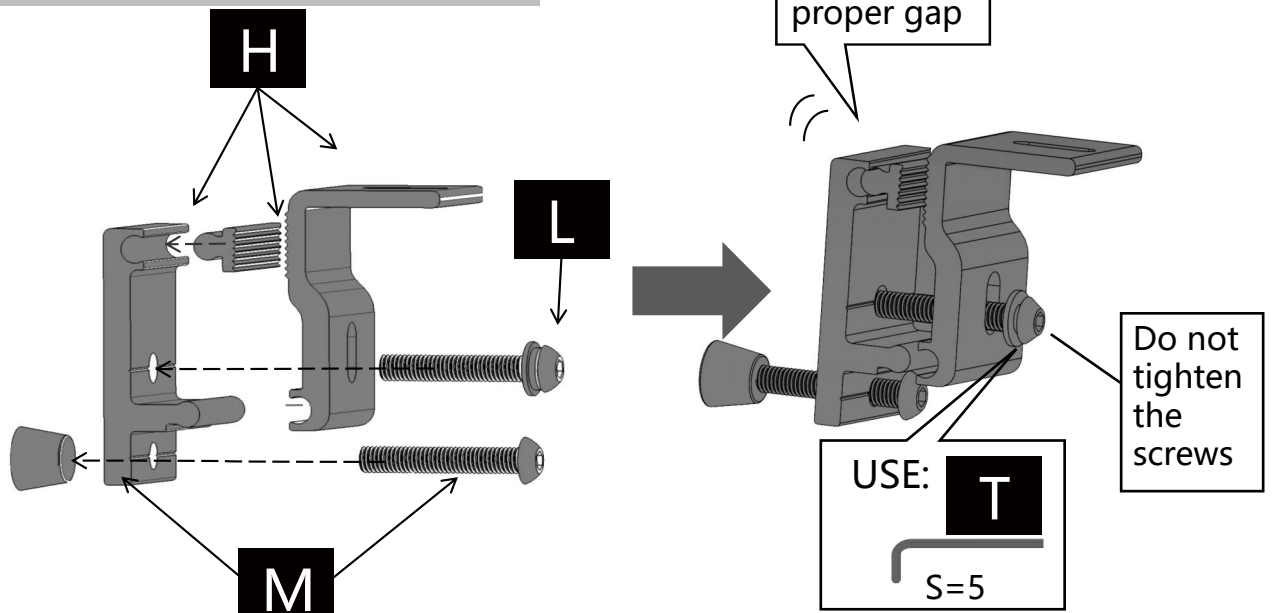


Slide Nslot into the bottom chute of the side bar. 3 pcs on each side.

8. Installation mode of bracket

8.1 Installation method of bracket without slide rail model

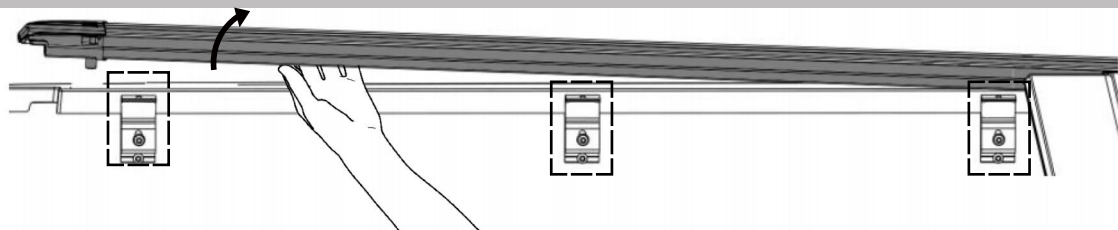
① Aluminum clip bracket pre-installed



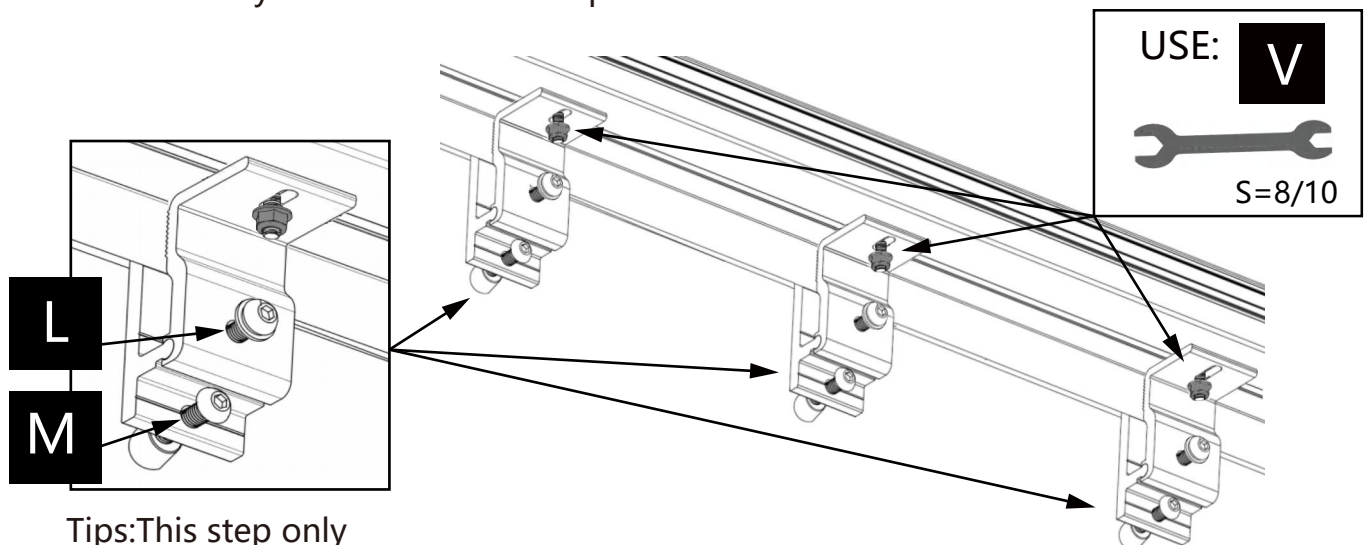
Tips: 2 pieces in total. The installation steps are the same. Do not tighten, to spare a gap for installation on the vehicle.

Assemble part L, M, H together, and pre-tighten the bolts with wrench.

② Place the accessory N from the bottom opening groove of the side bar, move the bolt into the aluminum bracket hole, and use the accessory O to pre-tighten the side bar on the bracket.



Gently lift the side bar and place the bolt N into the holder hole.

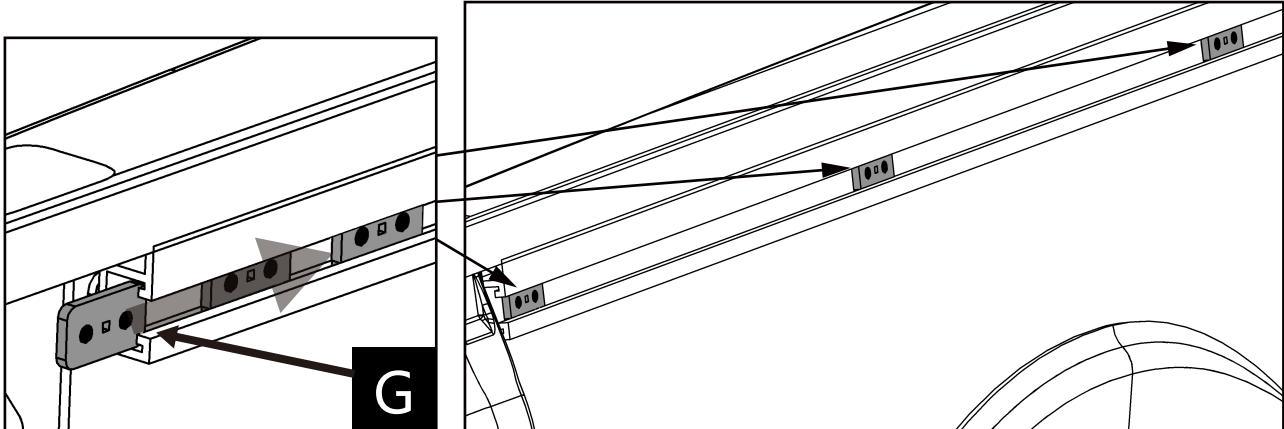


Tips: This step only installs screws, but do not tighten.

Keep the stent in enough place up and down, Space for moving both left and right. Do not tighten it down and keep it loose.

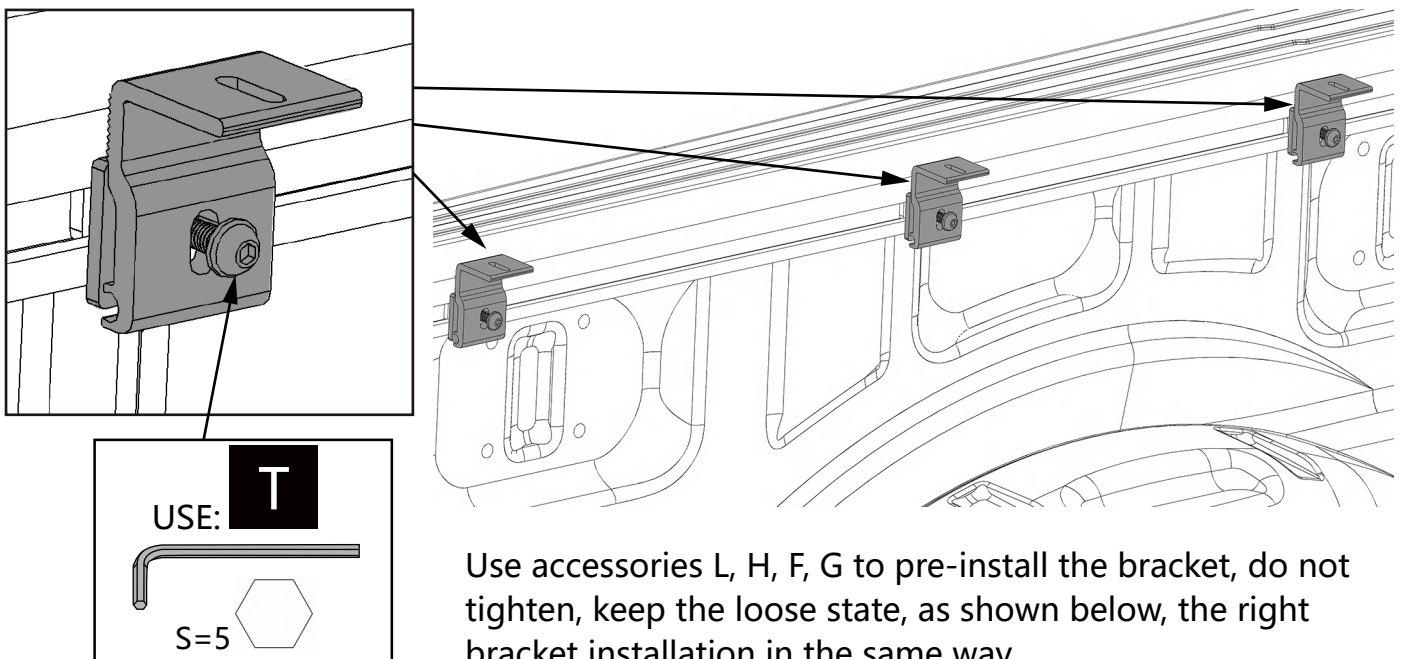
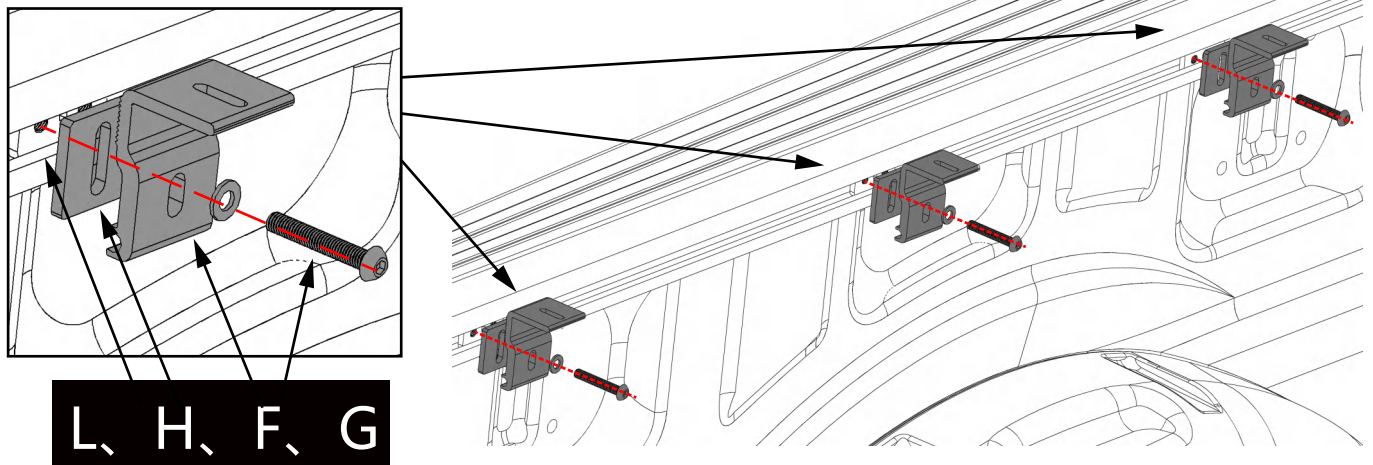
8.2 Installation mode of bracket with slide rail model

- ① Place the accessory G into the chute of the slide rail

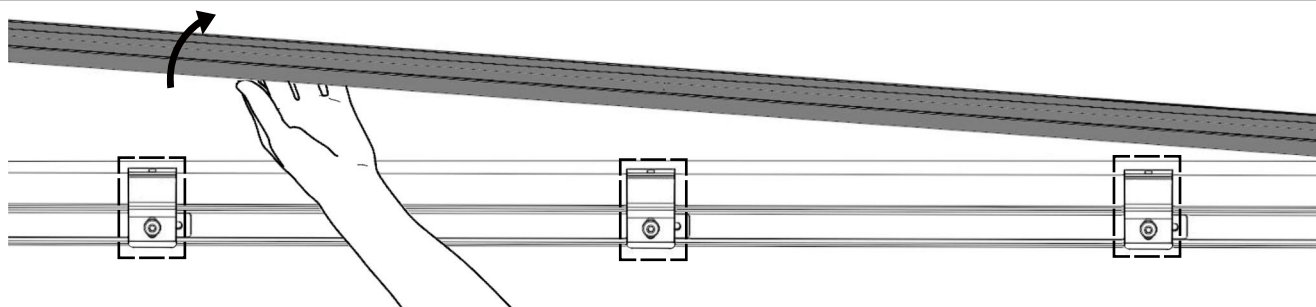


Put the accessory G into the chute of the slide rail, as shown in the figure below, and the same on the right side.

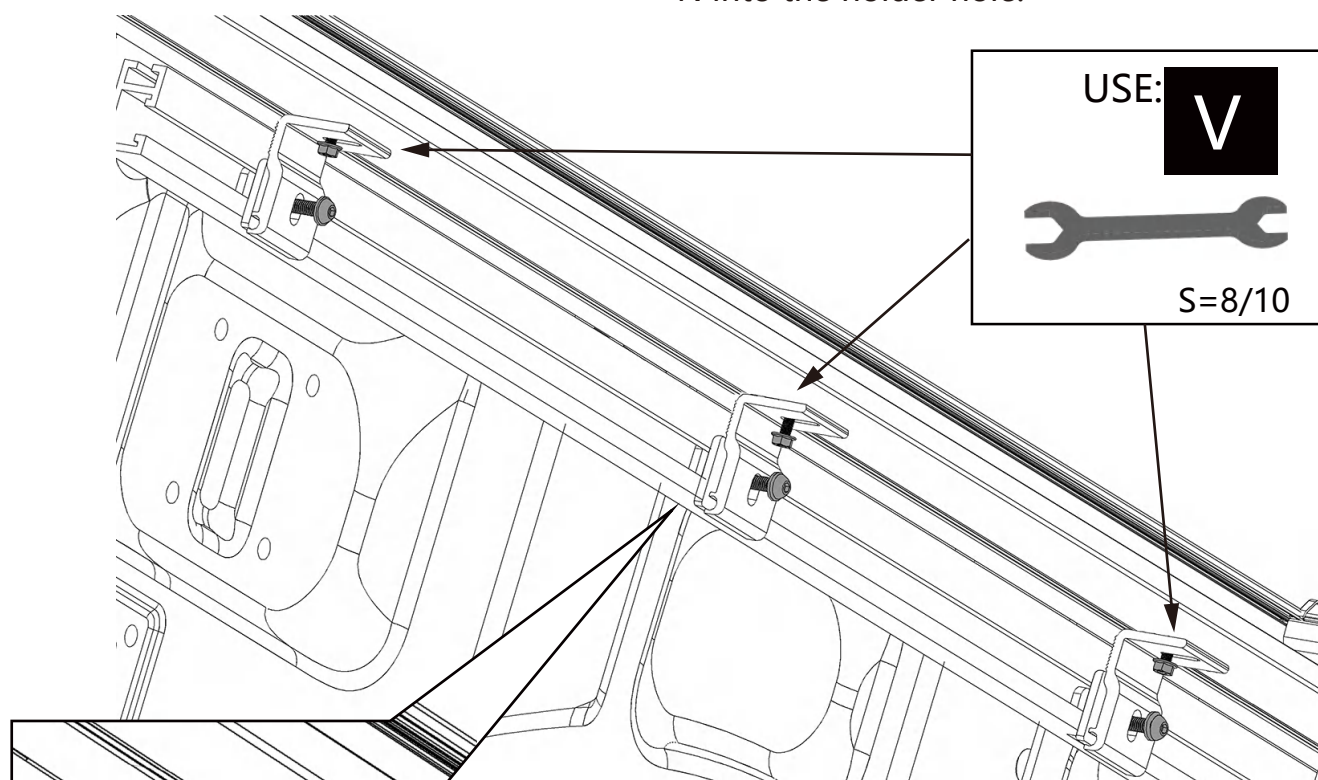
- ② Use accessories L, H, F and G



- ③ Place the square head bolt from the opening groove at the bottom of the side bar, move the bolt to the aluminum bracket hole, and pre-tighten the side rod on the bracket with the fitting O



Gently lift the side bar and place the bolt N into the holder hole.

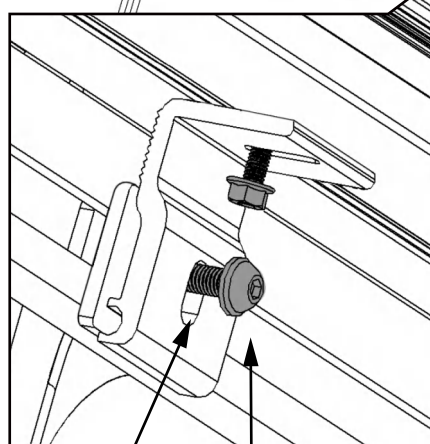


USE:

V



S=8/10



L

USE:

T



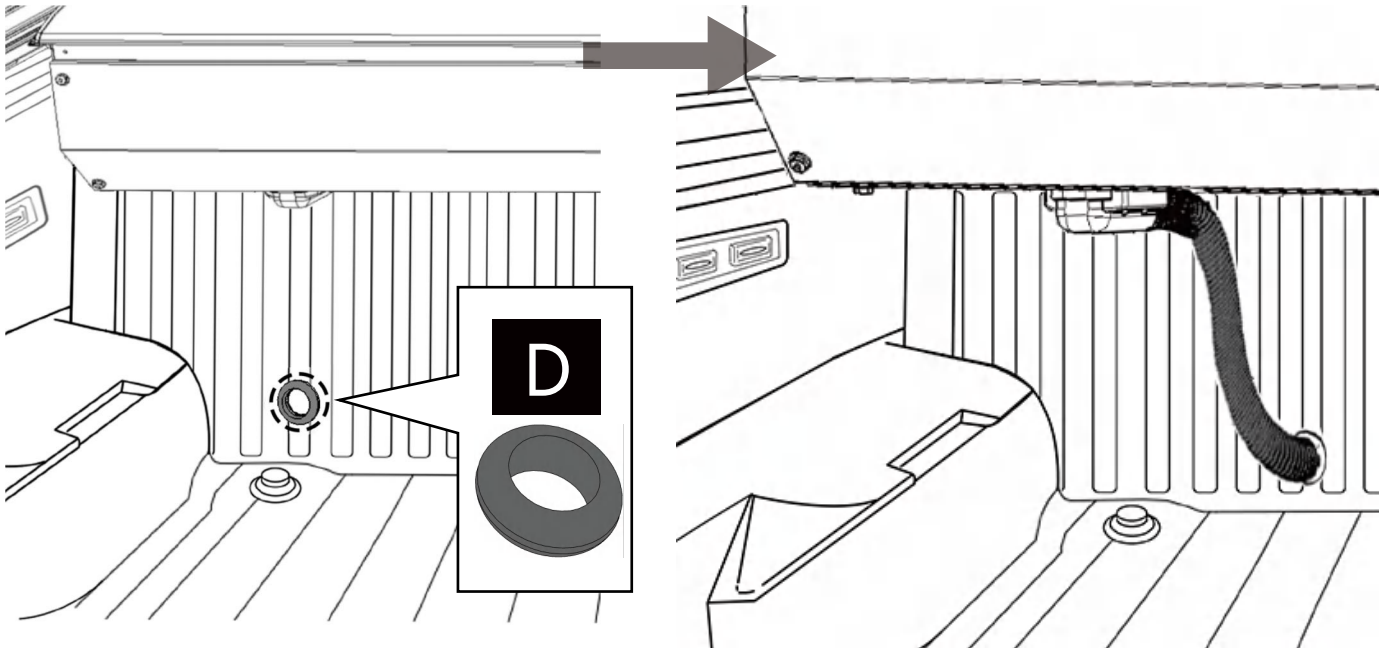
S=5

To keep the bracket has enough up and down, left and right movement space, do not tighten, keep loose state.

Tips: This step will only install the screws, but do not tighten them.

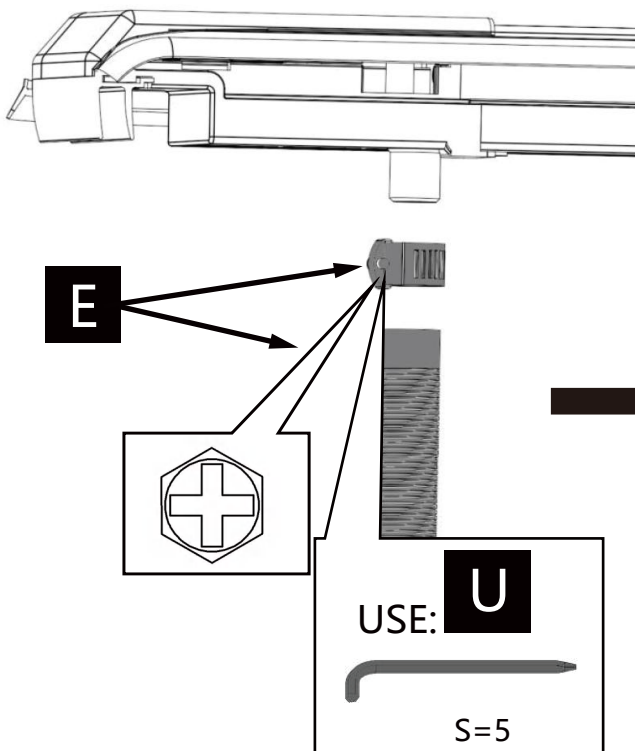
9. Install the front and rear drains

9.1 Install front drain pipe



Put the drainage pipe of the accessory D box out of the car through the rubber ring, and the same is done on the right side.

9.2 After loading drainage pipe

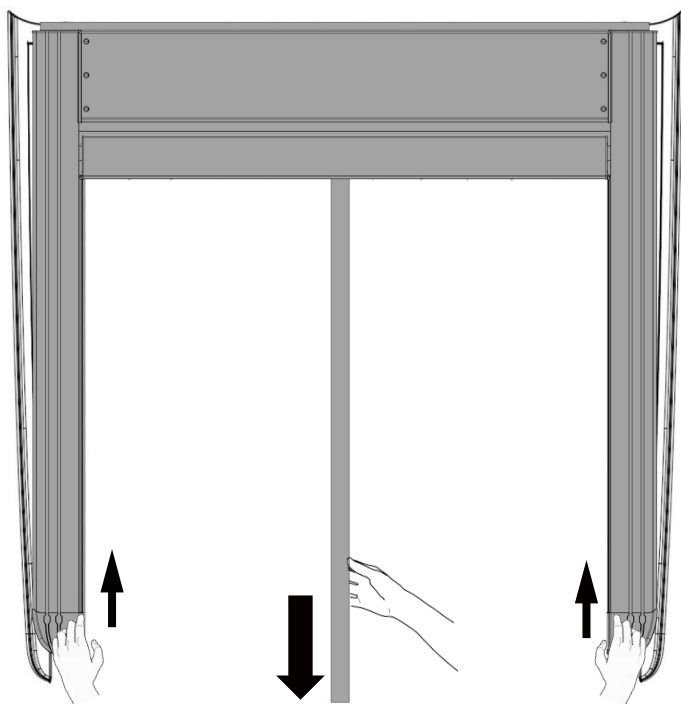


Fix bolt on part E with wrench.

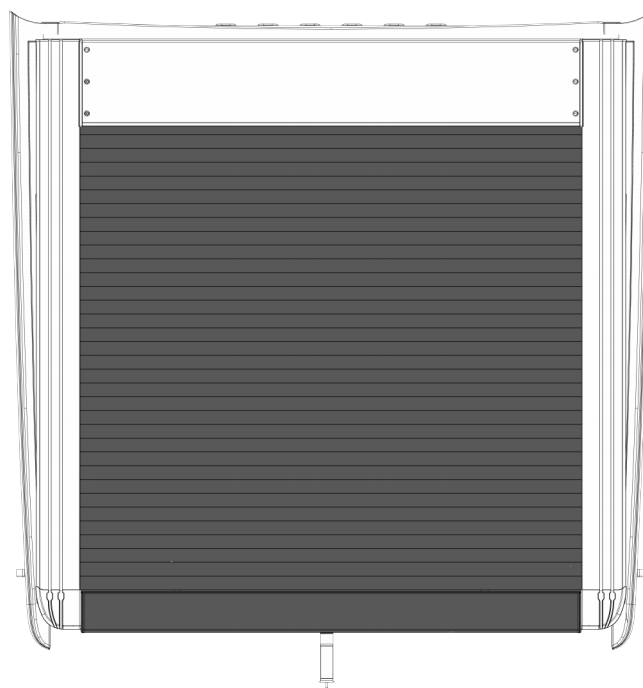
Insert the drain pipe into the rubber ring and insert it into the original drainage hole.

10. Use the measuring tool to measure the parallelism of the rolling shutter

10.1 Use the measuring tool to measure the parallelism of the rolling shutter

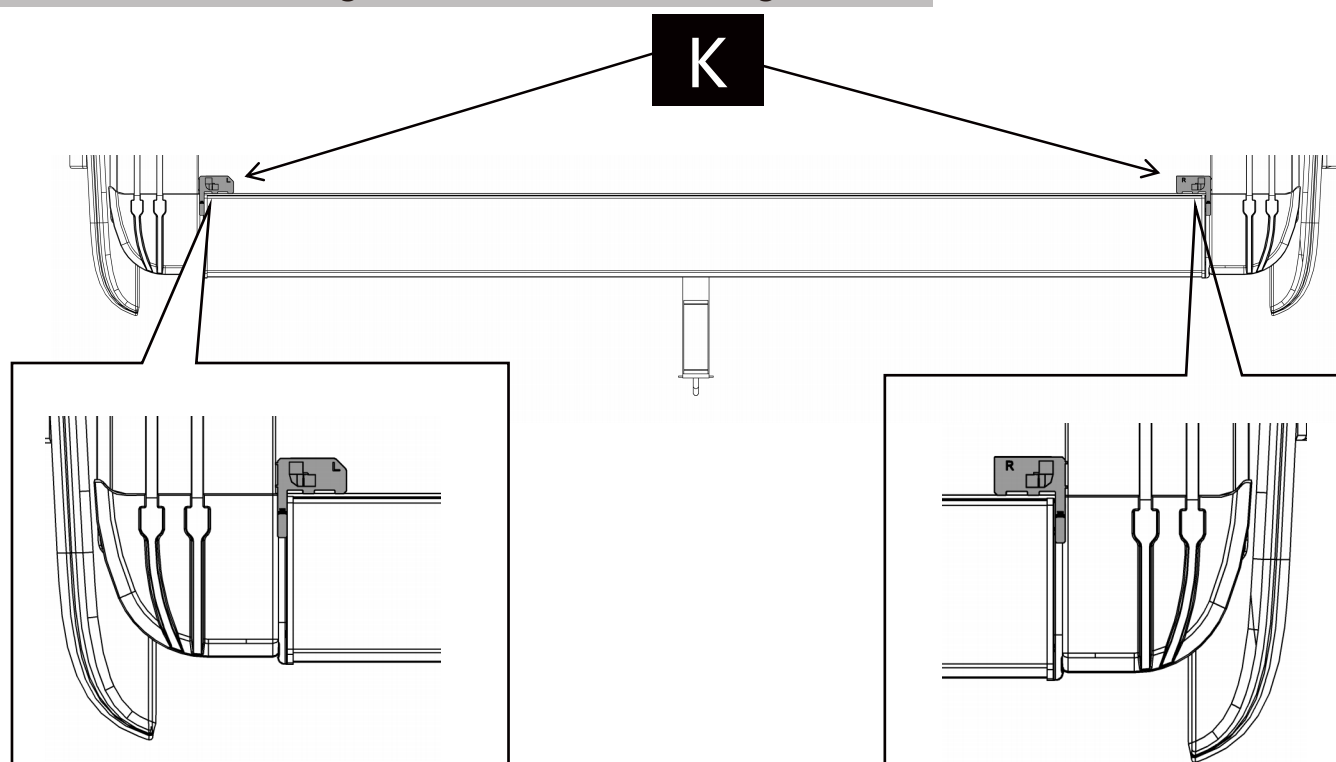


Note: After pulling the curtain, check whether the pickup cover is forward, no gap, and whether the left and right are centered



Pull the rope at the end of the tailgate bar to close the cover.

10.2 Use the measuring tool to measure the rolling shutter



In order to facilitate buyers to check whether the rolling curtain is installed parallel, we developed measuring tools to replace measuring tape

Close the roller, and place the gauge K between tailgate bar and side bar ends, gap between 7-8 mm is the best state.

11. Tighten the bracket screw

11.1 Without the rail model, tighten the screw of the rear bracket, special attention: to first tighten the top nut

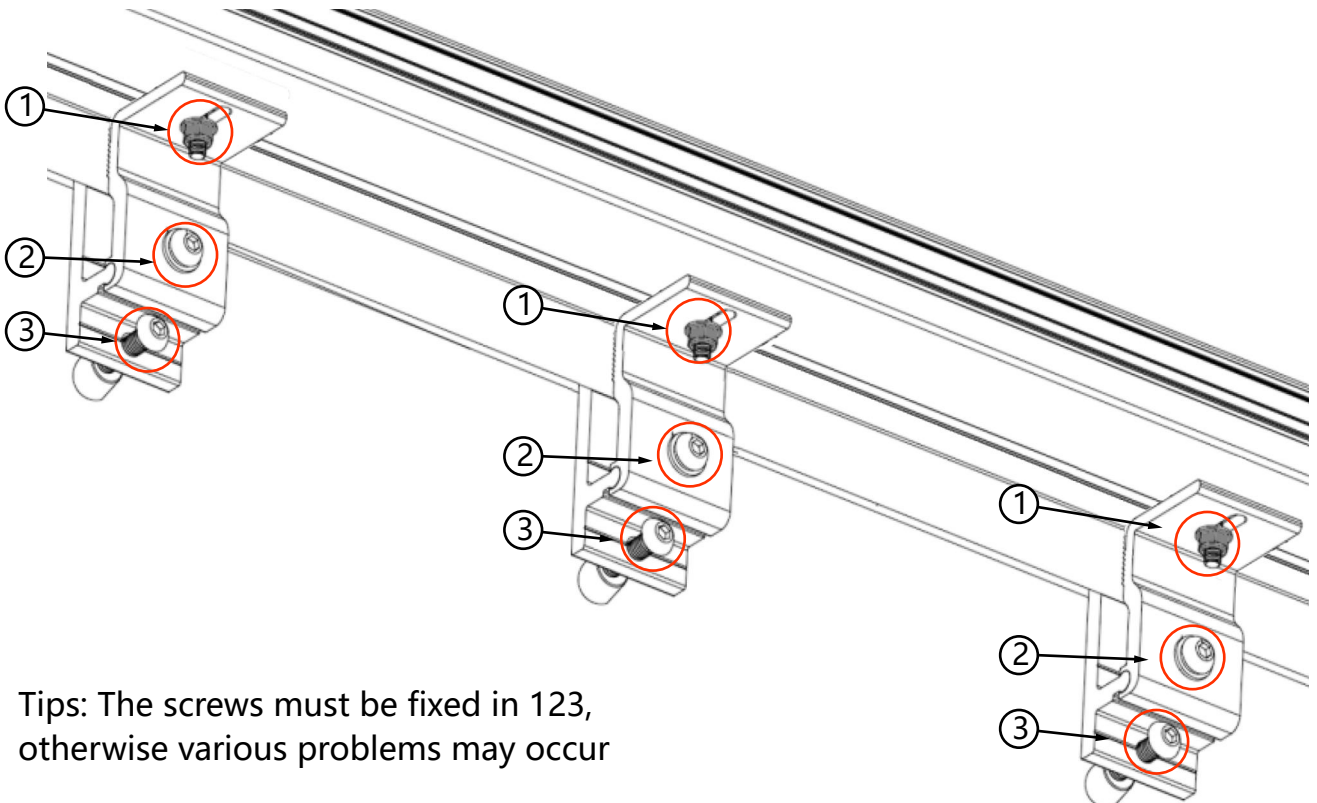
USE:



Tips: Here a and b sides need to be completely tight, use the thumb to clamp a and b sides before tightening the top nut

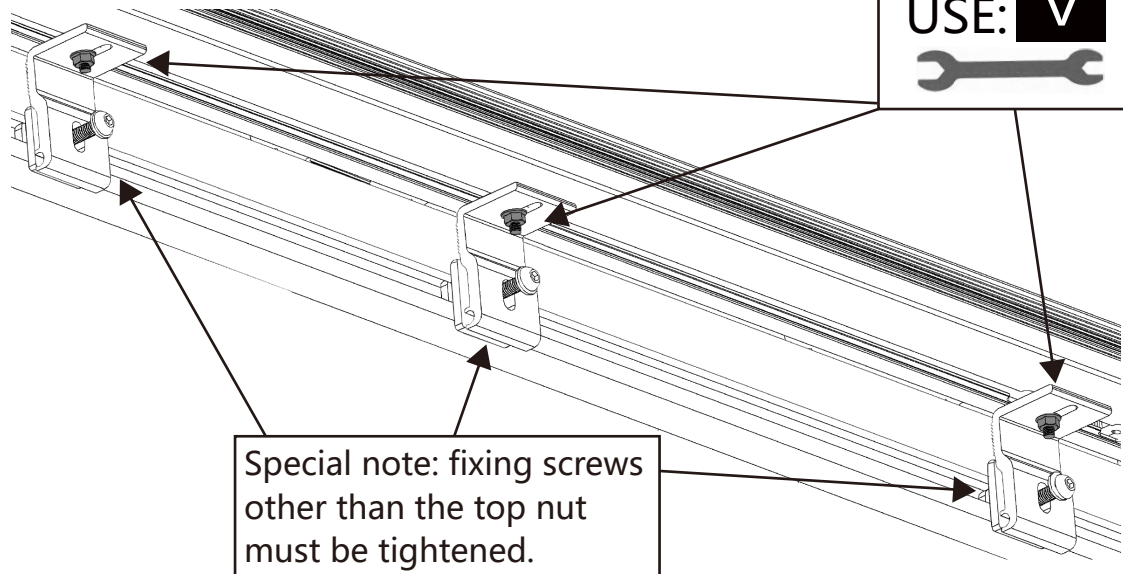
Special note: fixing screws other than the top nut must be tightened.

11.2 Screw installation order

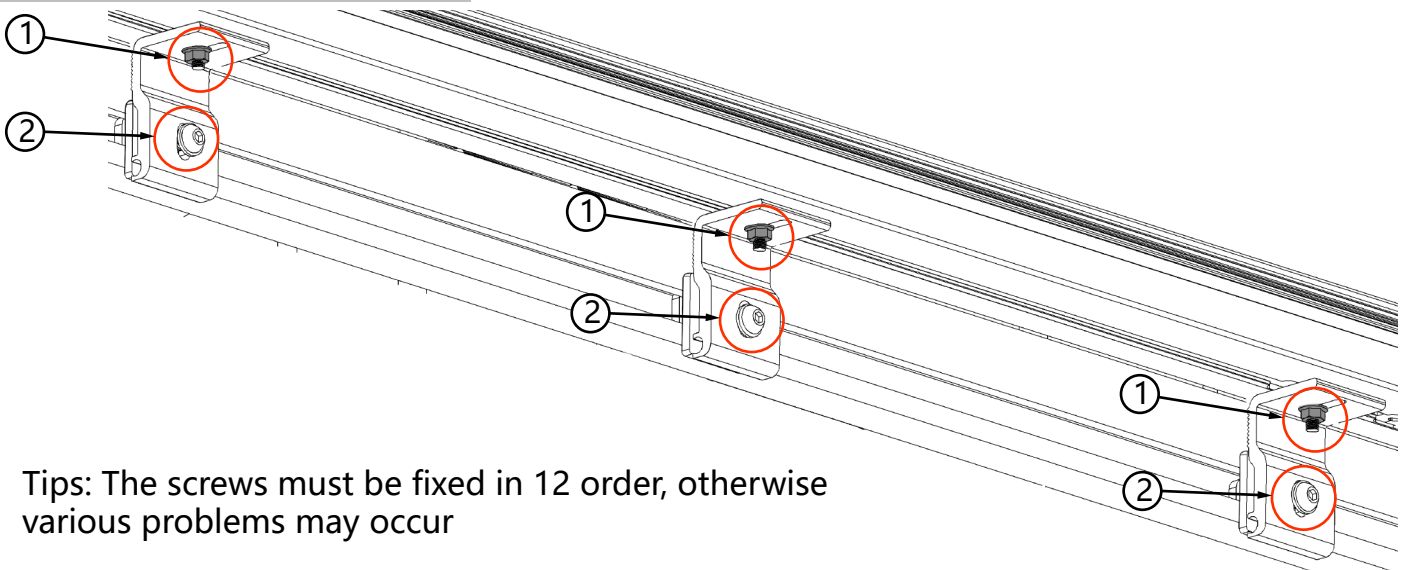


Tips: The screws must be fixed in 123, otherwise various problems may occur

11.3 With the sliding rail model, tighten the screws of the rear bracket, pay special attention to: tighten the top nut first

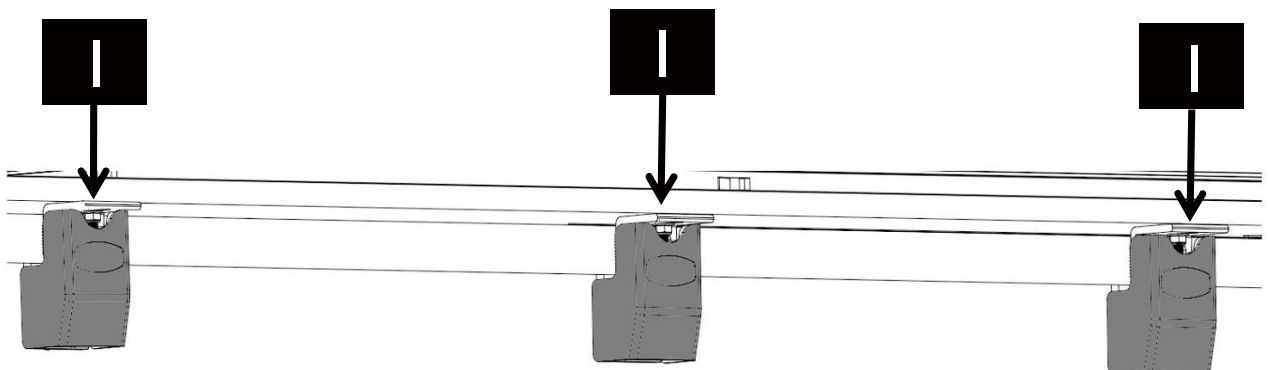


11.4 Screw installation order



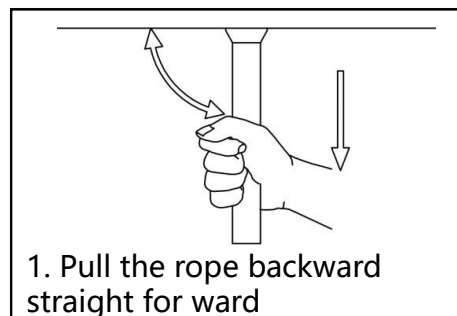
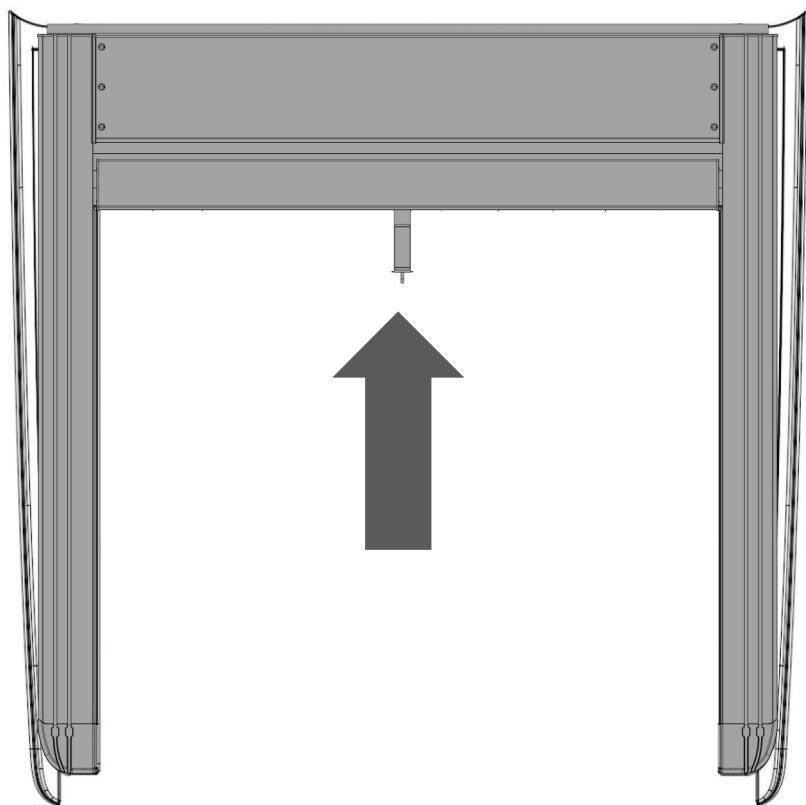
Tips: The screws must be fixed in 12 order, otherwise various problems may occur

11.5 Install the bracket cap on the aluminum clamp

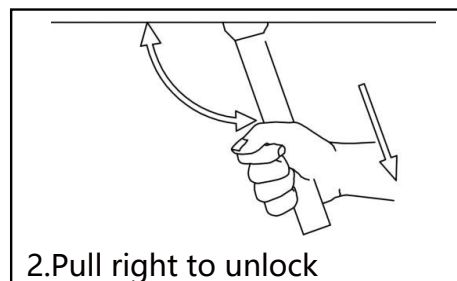


Tips: If you choose to install without a slide rail, Please install this plastic protective case for protection.

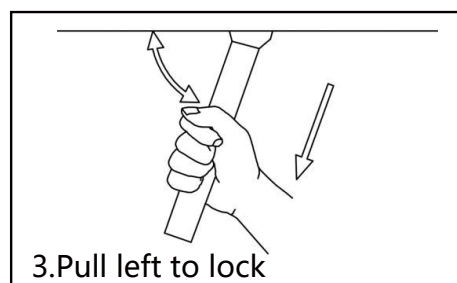
11.6 Roll curtain lock



1. Pull the rope backward straight for ward

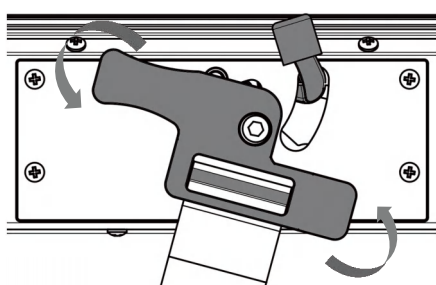
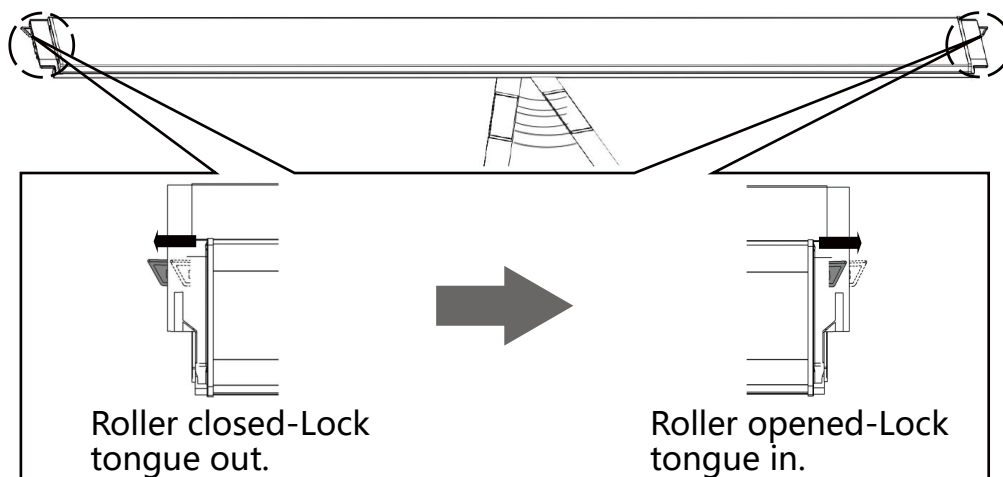


2. Pull right to unlock

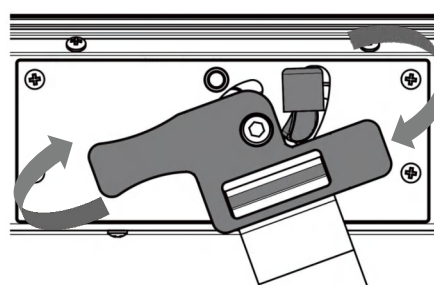


3. Pull left to lock

11.7 Manual Lock Introduction



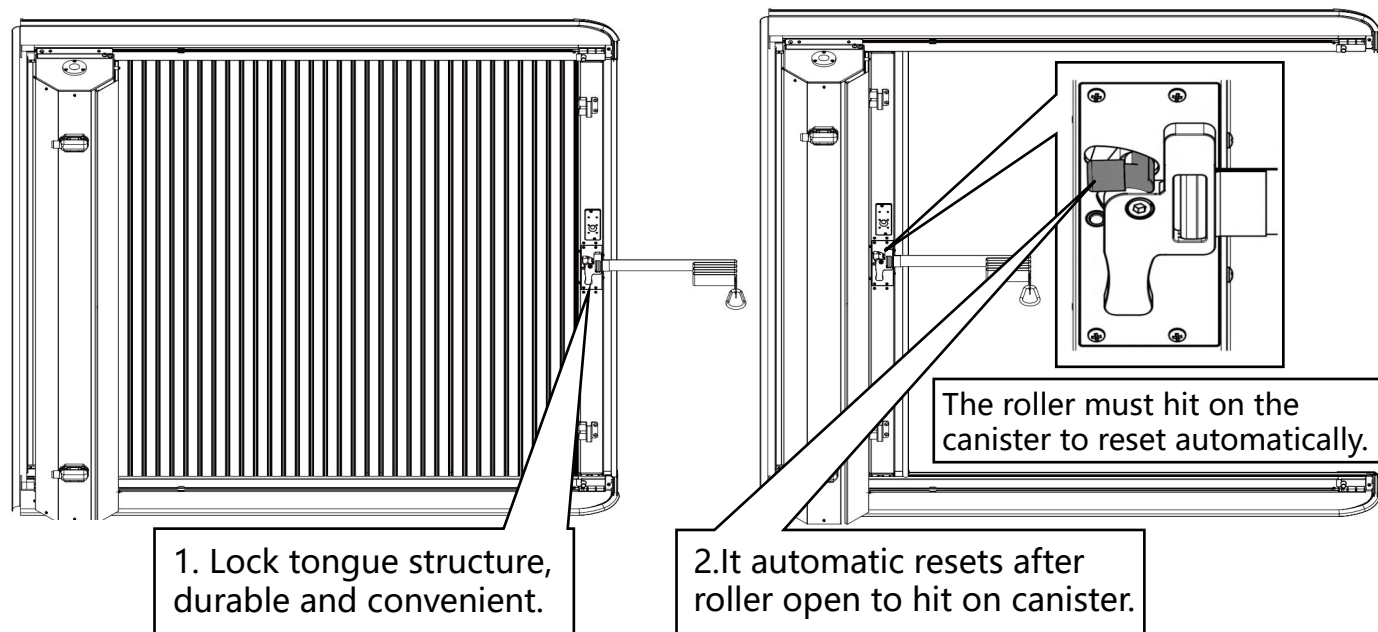
Rotate the block counter-clockwise to unlock.



Rotate the block clockwise to lock.

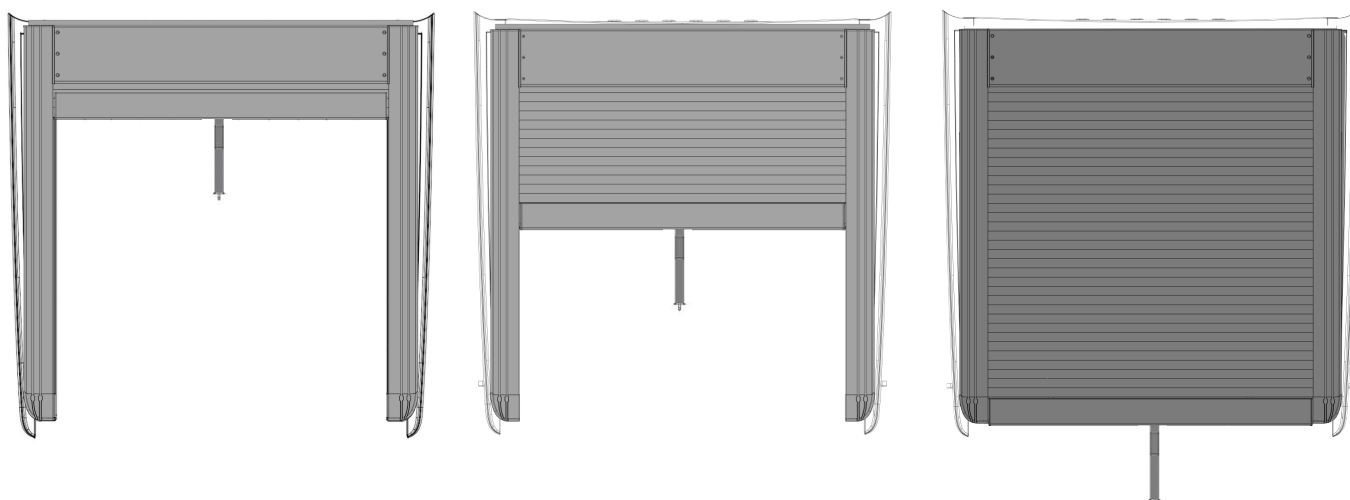
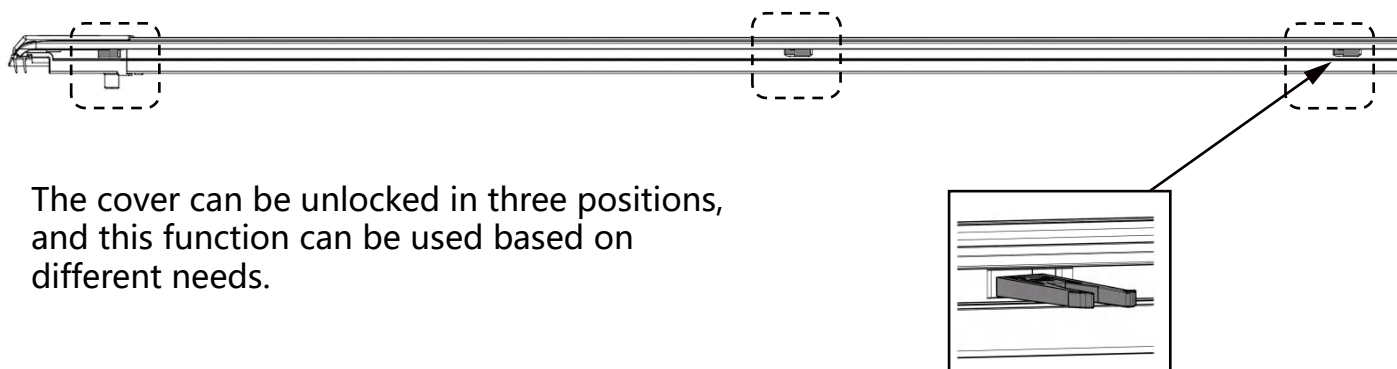
12. Introduction of the automatic locking function

12.1 Benefits

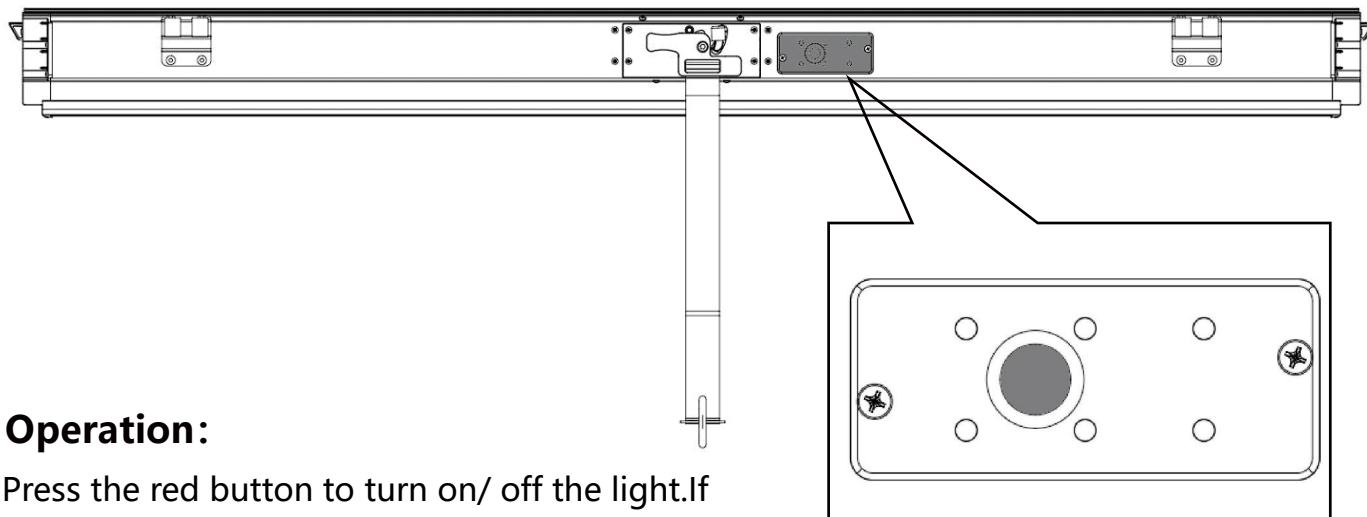


Tips: Every time the cover plate is completely retracted, please let the cover plate hit the box once to complete the release of the lock tongue. Will automatically lock the next time the truck lid is closed.

12.2 Function Introduction



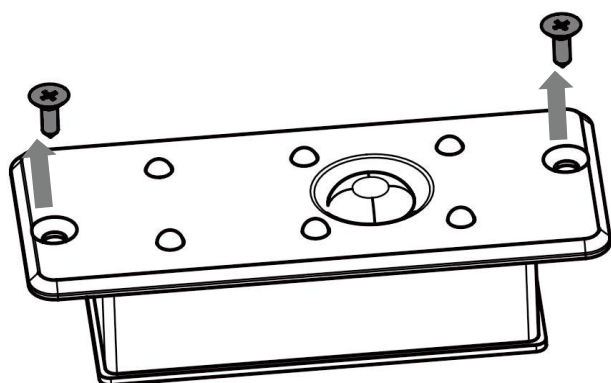
12.3 LED Light



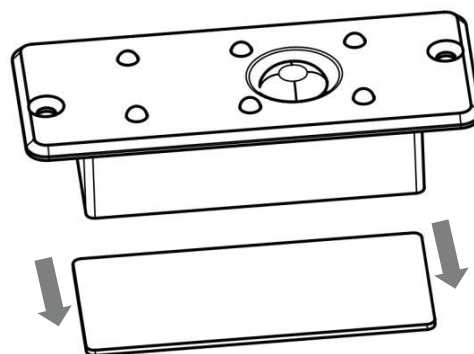
Operation:

Press the red button to turn on/ off the light. If you do not touch the red button to turn off the light, it will automatically off after 5 minutes.

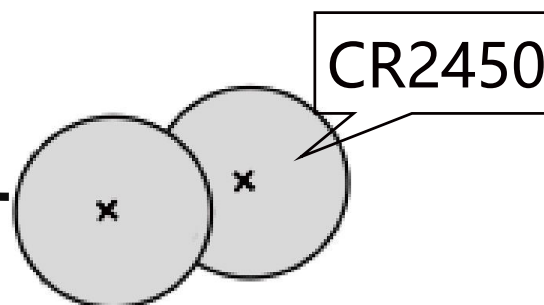
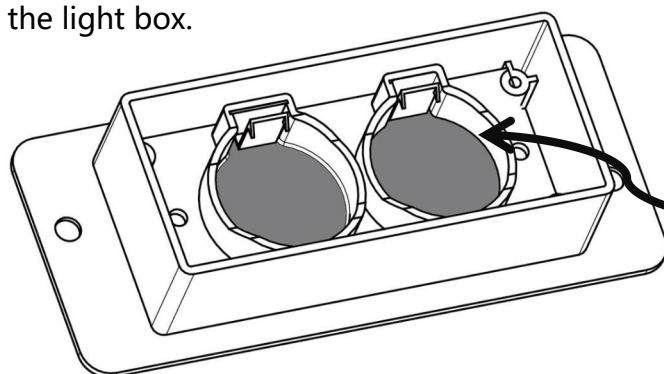
Change the batteries for LED Light:



Unfasten the screws on both sides to take out the light box.



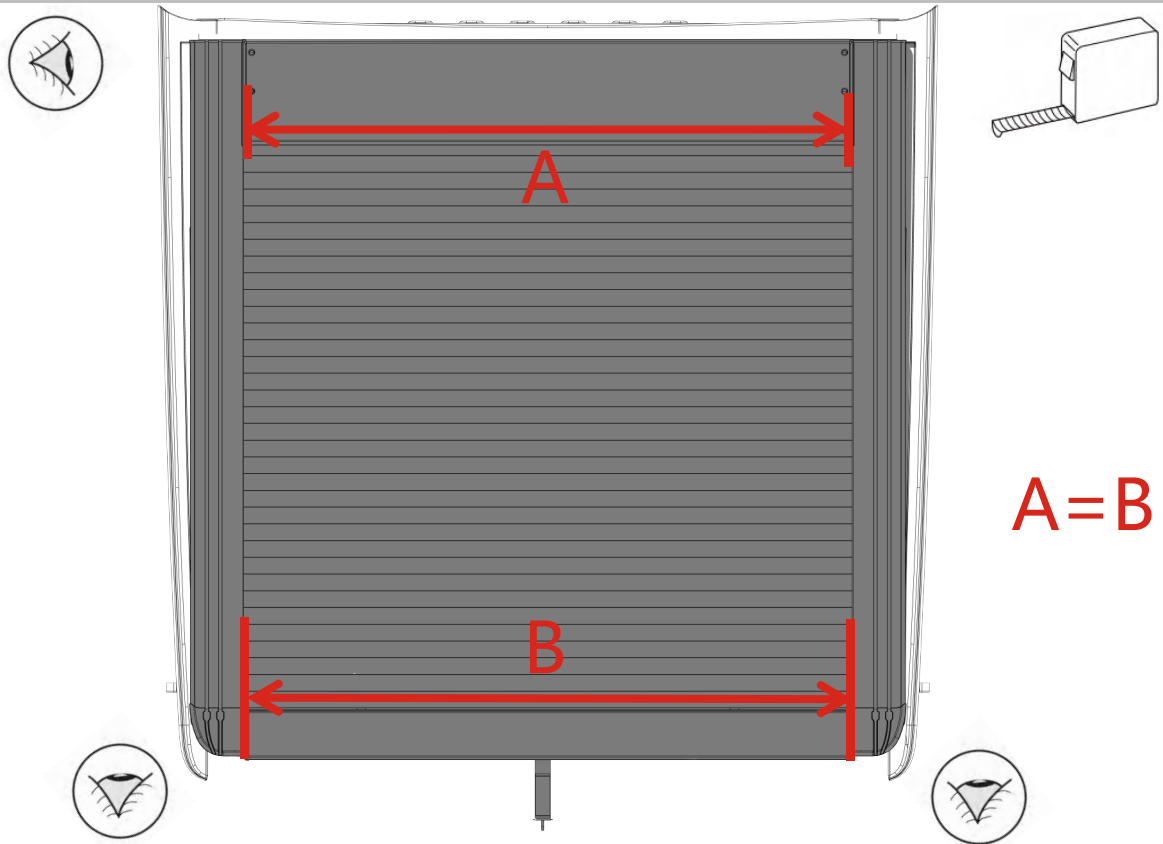
Remove the foam under the LED light box.



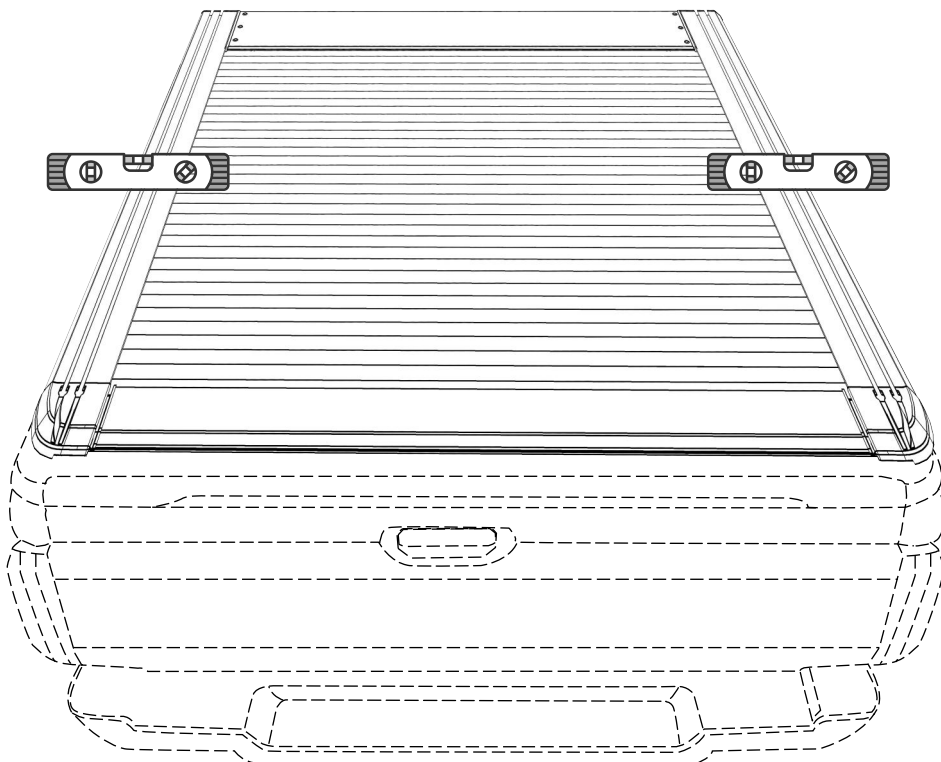
Replace with new batteries and install the light box back to the roller. Please pay attention to the +/- pole of the batteries during installation.

13. Key adjustment link

13.1 Make sure all bolts are tightened; close the shutter and see if the sides are parallel, as shown in the figure. Whether the distance before and after the measurement is the same (the difference within 2mm is the best state).

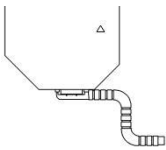
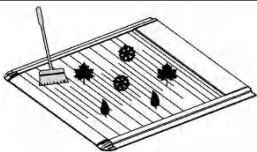
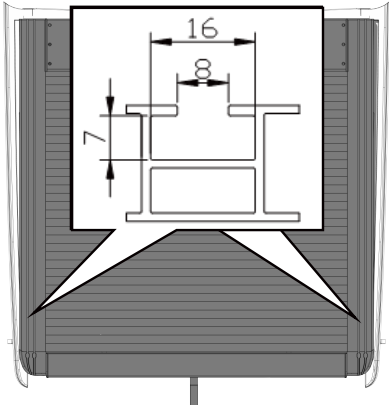
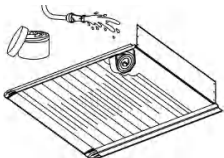
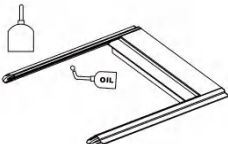
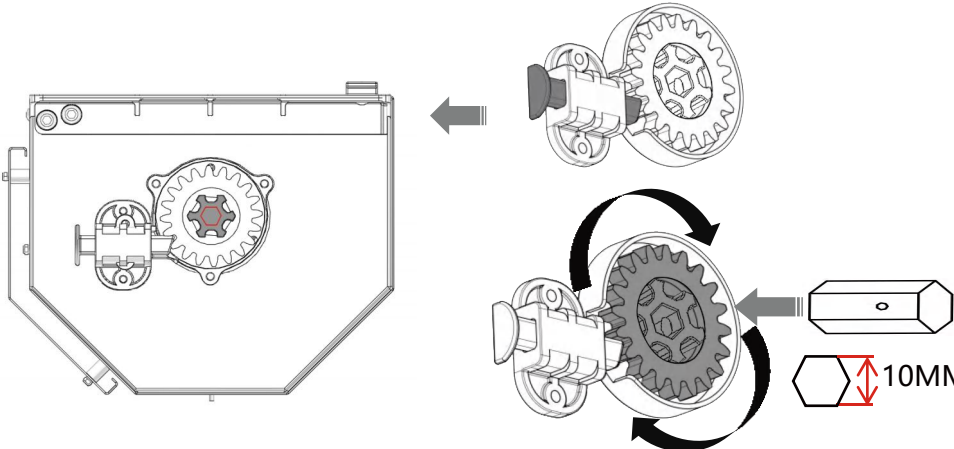


13.2 Note the parallelism of the two side bars. If it is tilted inward, please raise the bracket



14. Maintenance

14.1 Daily Maintenance

 Keep the drainpipe free from blockage.	 Please clear the litter before use.	 Compatibility : M8 bolt.
 Clean and lubricate the canister every 6 months.	 Clean and lubricate the track every 3 months.	
 If the roller retract speed is too fast or customer has to take out the cover to clean canister, please pull out torsion spring control block to release the force. If the roller retract speed is too slow/less force, then rotate clockwise with the hex block. Note: No need to operate the torsion spring control block.		

14.2 Common Problem Solution

No.	Q	A
Installation problems	1.roll curtain pull back or retracted resistance is very large, or pull not move	Refer to step 11.2 to keep the side rails parallel.
	2. The rolling shutter is automatically retracted when the car is running	
	3. Impact the rolling curtain when the rear door is closed	Refer to 13.2, please keep the side rails horizontal, pay special attention to the sequence of bracket mounting screws, and raise the bracket installation if necessary.
	4. After installation with bushing, the tail door of pickup truck has great resistance	If the liner is installed, please cut out the position where the bushing can contact the bracket and the box, otherwise it will affect the forward of the shutter to the left and right center.
Use issues	1. Does the pickup truck roll curtain guard against theft?	When the curtain is pulled on, it will automatically lock in. Close the tail door, Can only open the tail door before opening the curtain.lock,The tail door prevents theft.
	2. Closing the rolling shutter will not be automatically locked	Please refer to 14.1. When the curtain is retracted, please let the curtain hit the box and let the locking tongue mechanism return to its position again after pulling back the curtain, it will automatically lock.

15. Helpful Maintenance Hints

1.1. To ensure that your rolling shutter runs quietly and smoothly, please clean and lubricate the side bars and boxes regularly. It is recommended to clean it every 3 months or 6,000 kilometers, or after using mud, desert, Gobi desert and other environments. Please focus on cleaning the side rod slide and the inside of the box. There may be sand, sludge, gravel and other debris in the box. After cleaning, please use our lubricant or other brands of silicone oil lubricant, and control the frequency of lubricating oil according to the actual situation, avoid the use of petroleum-based products on rubber seals, and the lighter spray lubricant with PTFE works best when regular wiping and resmearing. Special note: Please do not make contact with liquids containing alcoholic, corrosive components. Avoid damage to the paint surface.

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. If you find that the brightness of the remote control signal indicator light is obviously weakened, or the button indicator light does not on, please replace the battery in time (battery model: CR2450).

7. 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.

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

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

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

11. 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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FOR ADDITIONAL HELP AND SUPPORT PLEASE CONTACT
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