



**SAMMITR**

Date...../...../.....

Version 1.0



**SAMMITR**

Mechanical Installation  
Manual  
for

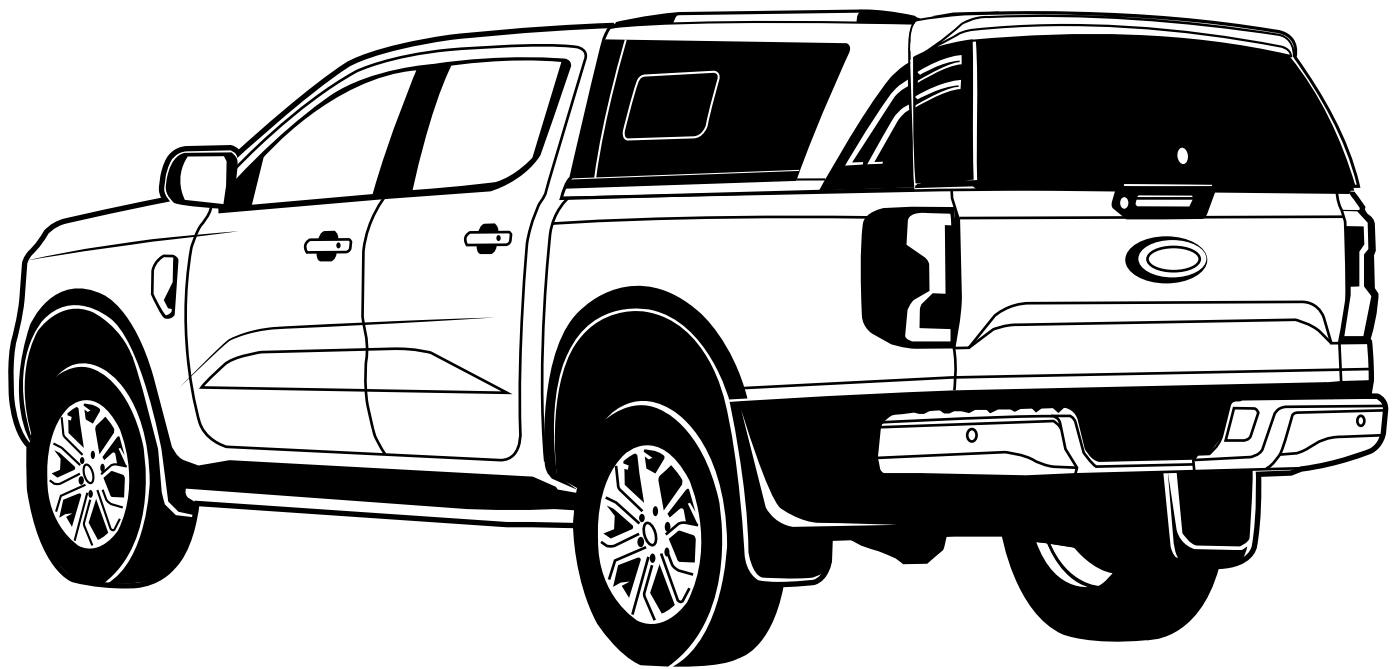
Ford Ranger

2022





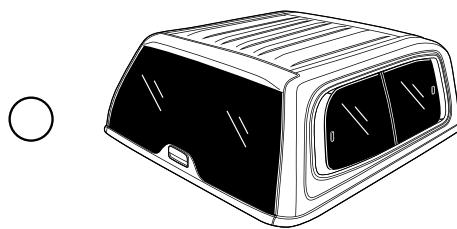
**SAMMITR**



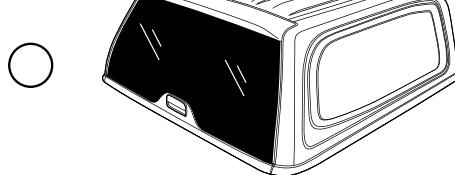


**SAMMITR**

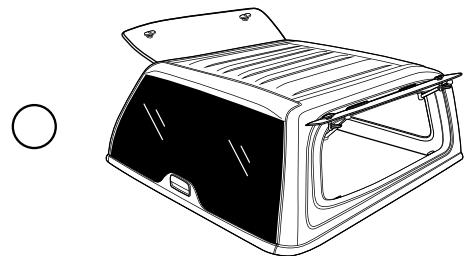
■ Steel Canopy S-Plus V2



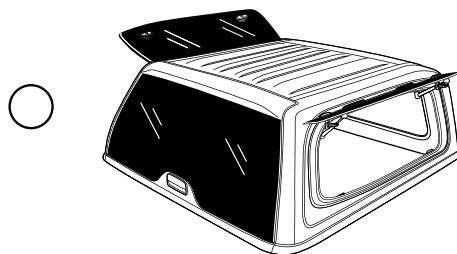
Glass Slide Window



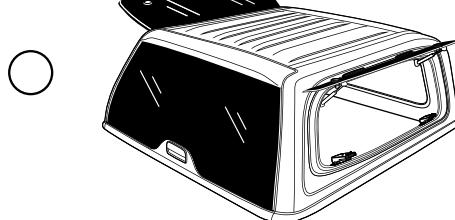
Solid Window



Solid Birdwing Window (Handle Lock)

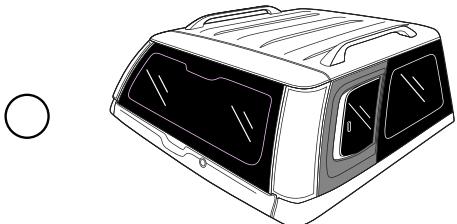


Glass Birdwing Window (Handle Lock)

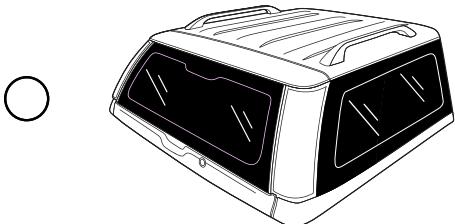


Glass Birdwing Window (Electric Lock)

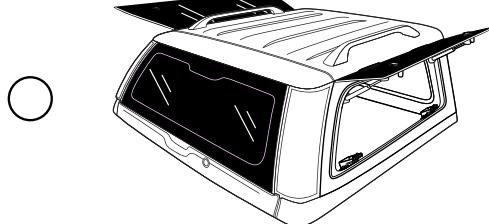
■ Steel Canopy SUV-Plus V4



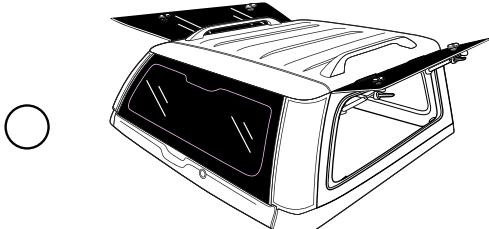
Glass Slide Window



Glass Fix Window

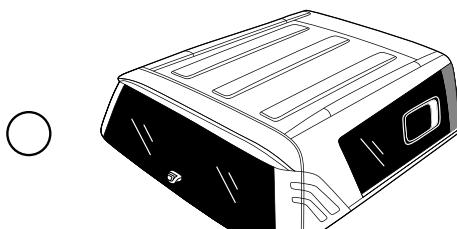


Glass Birdwing Window (Electric Lock)

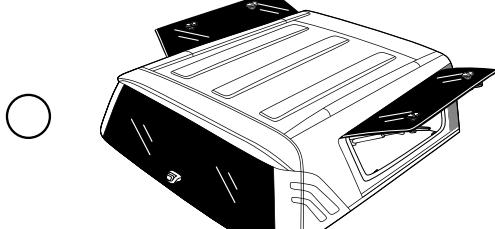


Glass Birdwing Window (Handle Lock)

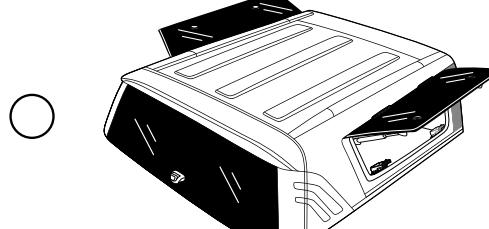
■ Steel Canopy TL-1



Glass Slide Window



Glass Birdwing Window (Handle Lock)



Glass Birdwing Window (Electric Lock)

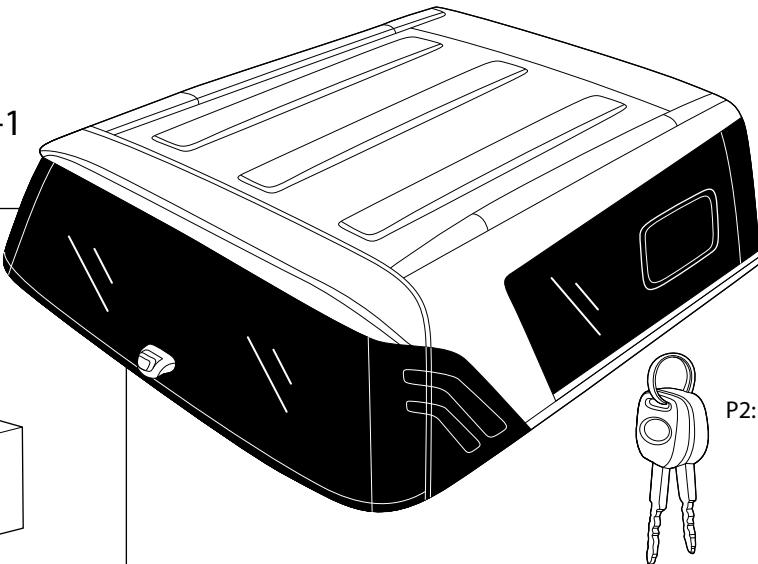


## Mechanical Installation Manual All Models

Steel Canopy : TL-1  
Version 1.0

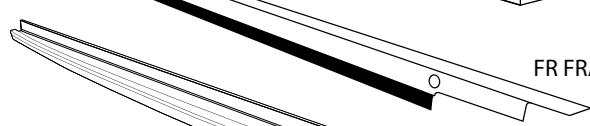
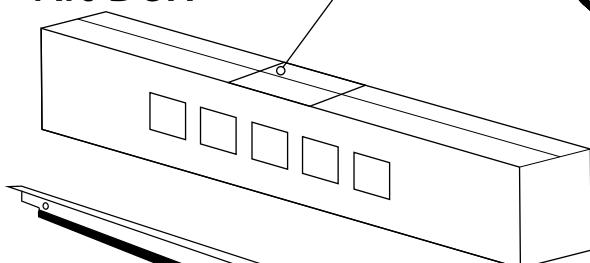
### Part In Main Carton

P1: Steel Canopy TL-1

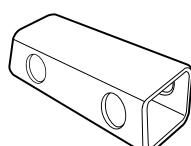


Kit Box

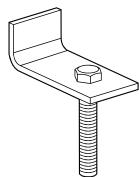
Part List Paper



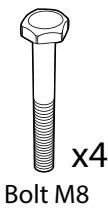
FR FRAME WEATHERSTRIP



FR FRAME WEATHERSTRIP TAIL GATE



BRKT LOCK ROOF

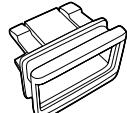


Bolt M8



LOCK TAIL GATE R/L

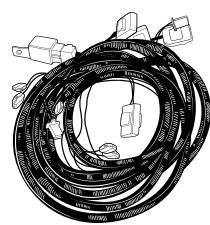
spacer box



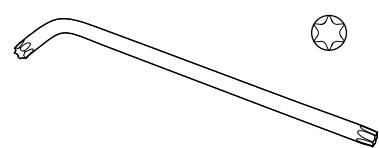
Switch Case



T Paint

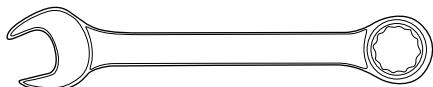


Wiring No.38

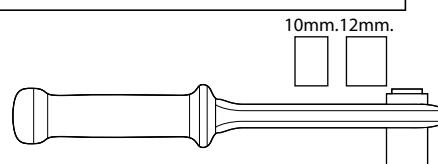


T6 : Hexalobular Wrench # T40

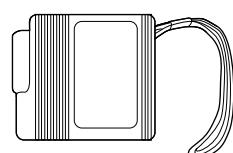
### Require Tools



T1 : 13 mm. Wrench



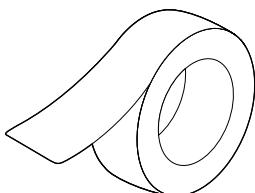
T3 : 10,12mm. Torque Wrench



T7 : Measuring Tape/Ruler



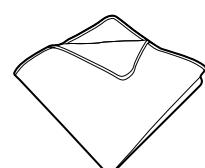
T2 : 10 mm. Wrench



T4 : Tape



T5 : Electric Tape

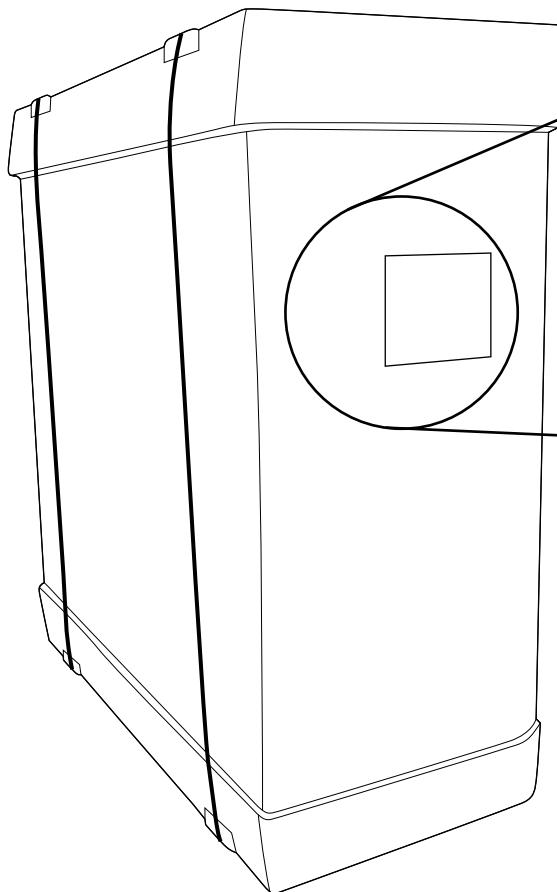


T8 : Fabric



1

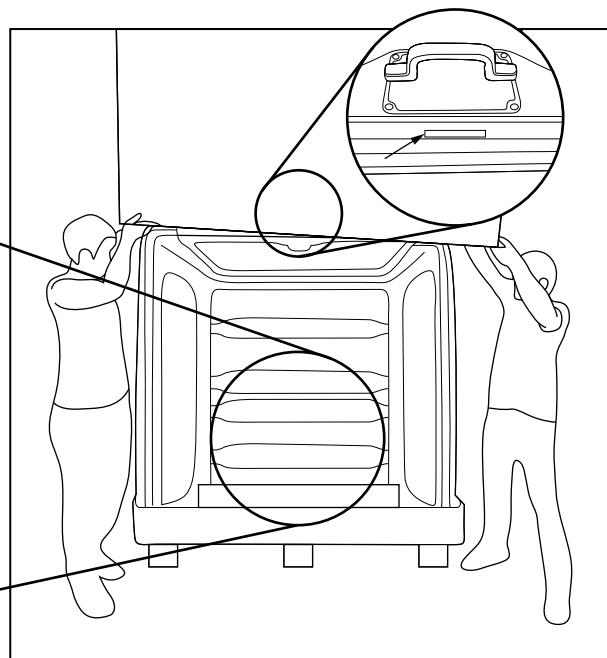
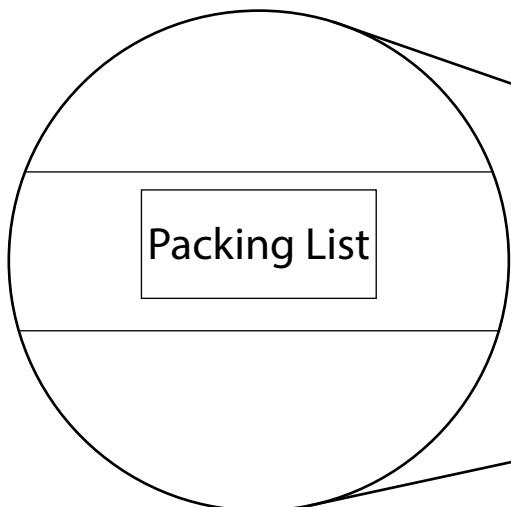
## The Procedure of checking the Sammitr canopy box before installation.



Brand  
Model  
Type  
Year  
Color  
Part number  
Serial number

1. Make sure that Sammitr canopy box is in good condition, No marks, distorts or any damages.
2. Check Model / Year of the canopy and Model / Year of the vehicle which have to be matching.
3. Check canopy serial number / model code and vehicle serial number / model code which have to be matching by looking at the rear canopy handle.

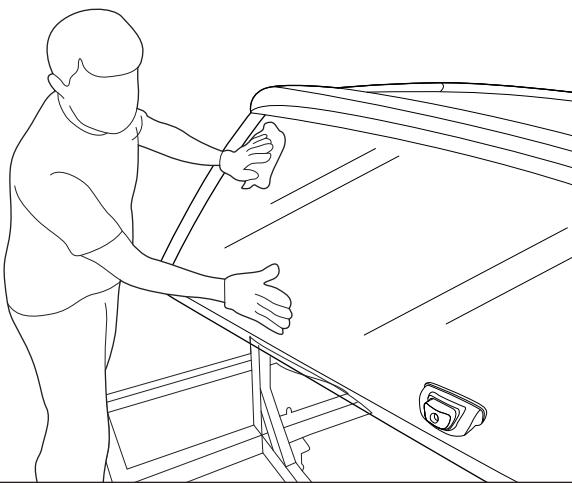
4. Check all the accessories received inside the box with the Packing List.





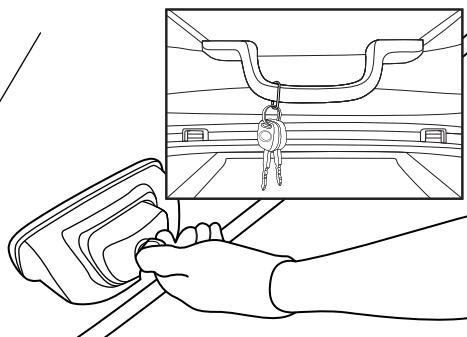
## 2 The preparation process of Sammitr Canopy TL-1 model before installation with the vehicle.

1

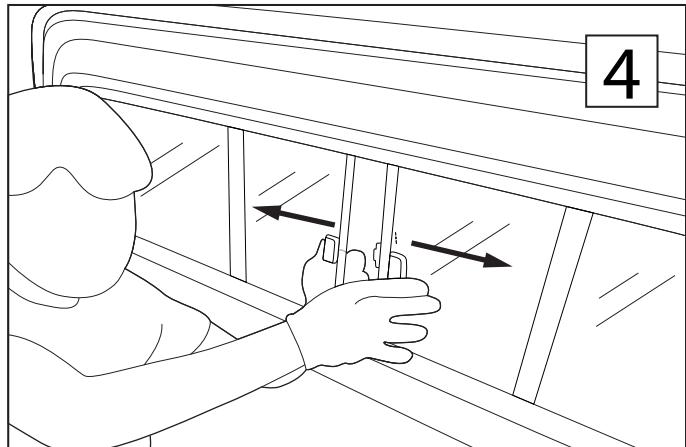


1. Canopy have to be in good condition, no damage, dent, cracks, smooth surface including no window damages or cracks.
2. Locking system is working for both keys.
3. Canopy sides are not damage, dent or cracks.
4. Canopy front window panel is working (open/close), no cracks or damages occurrences.
5. Check the Rear Door by open and close.

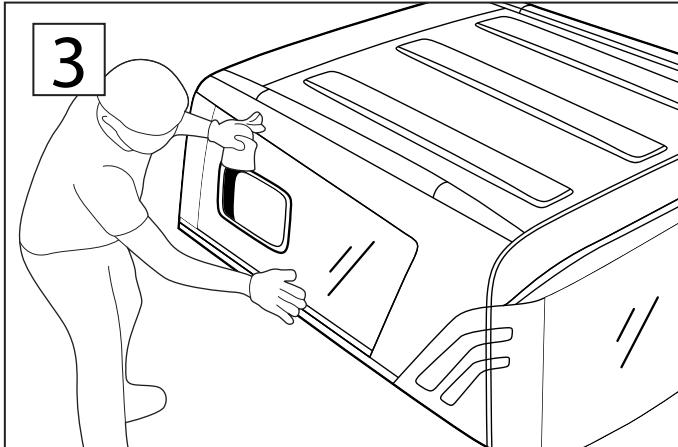
2



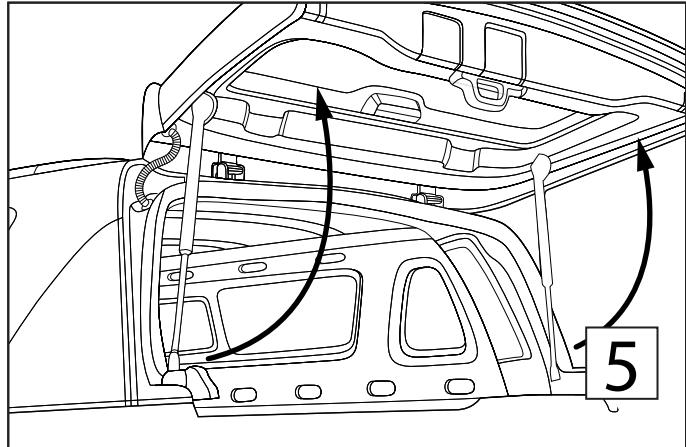
4



3

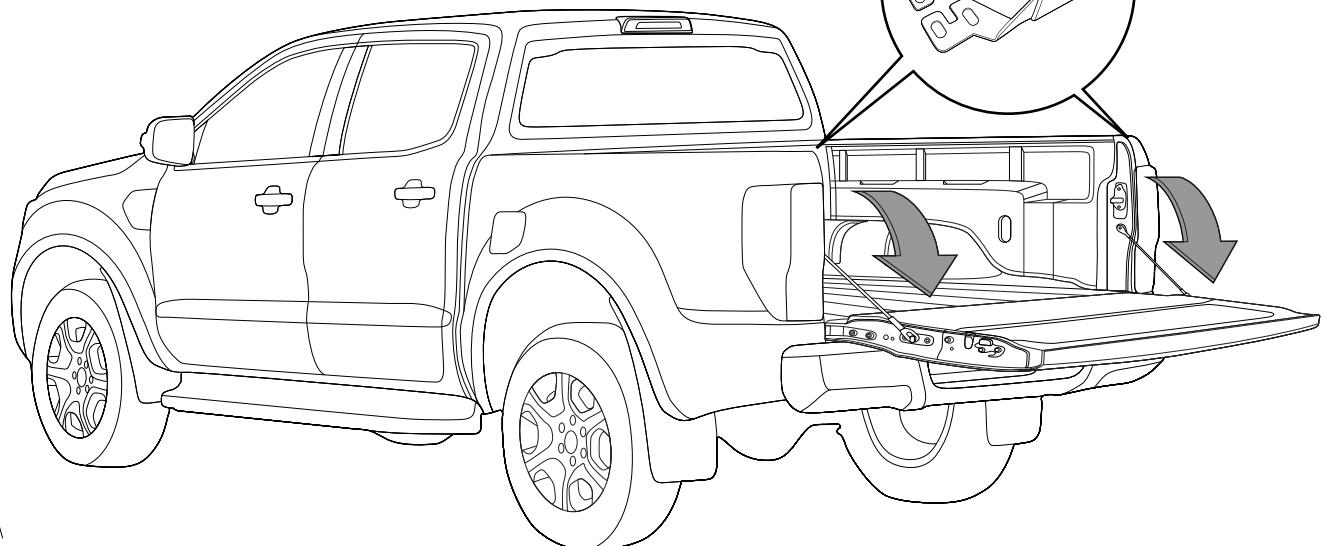


5



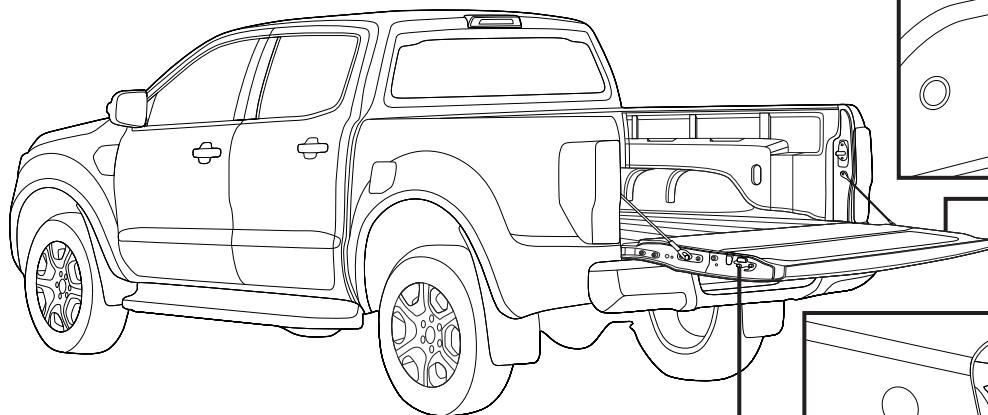


3



Installation complete.

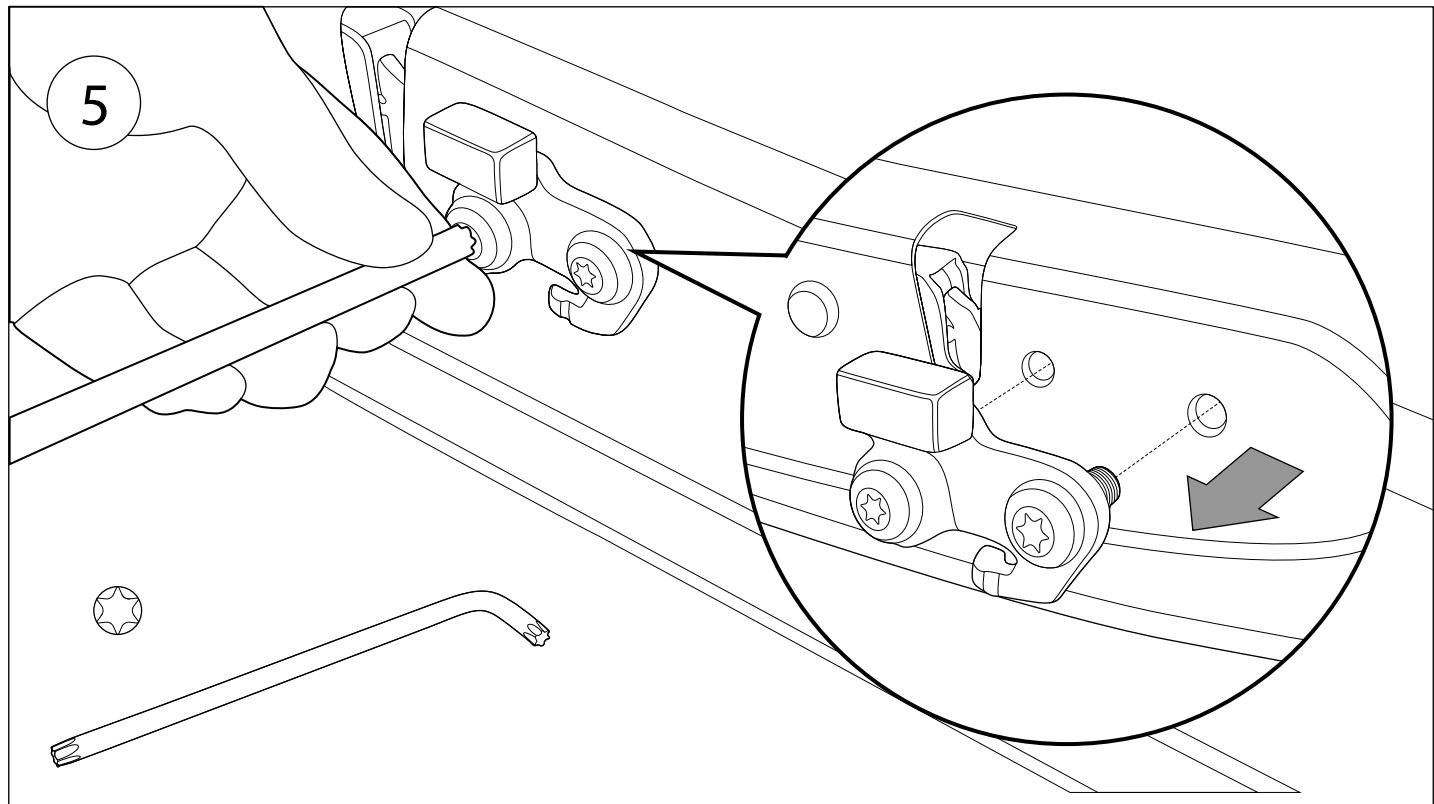
4



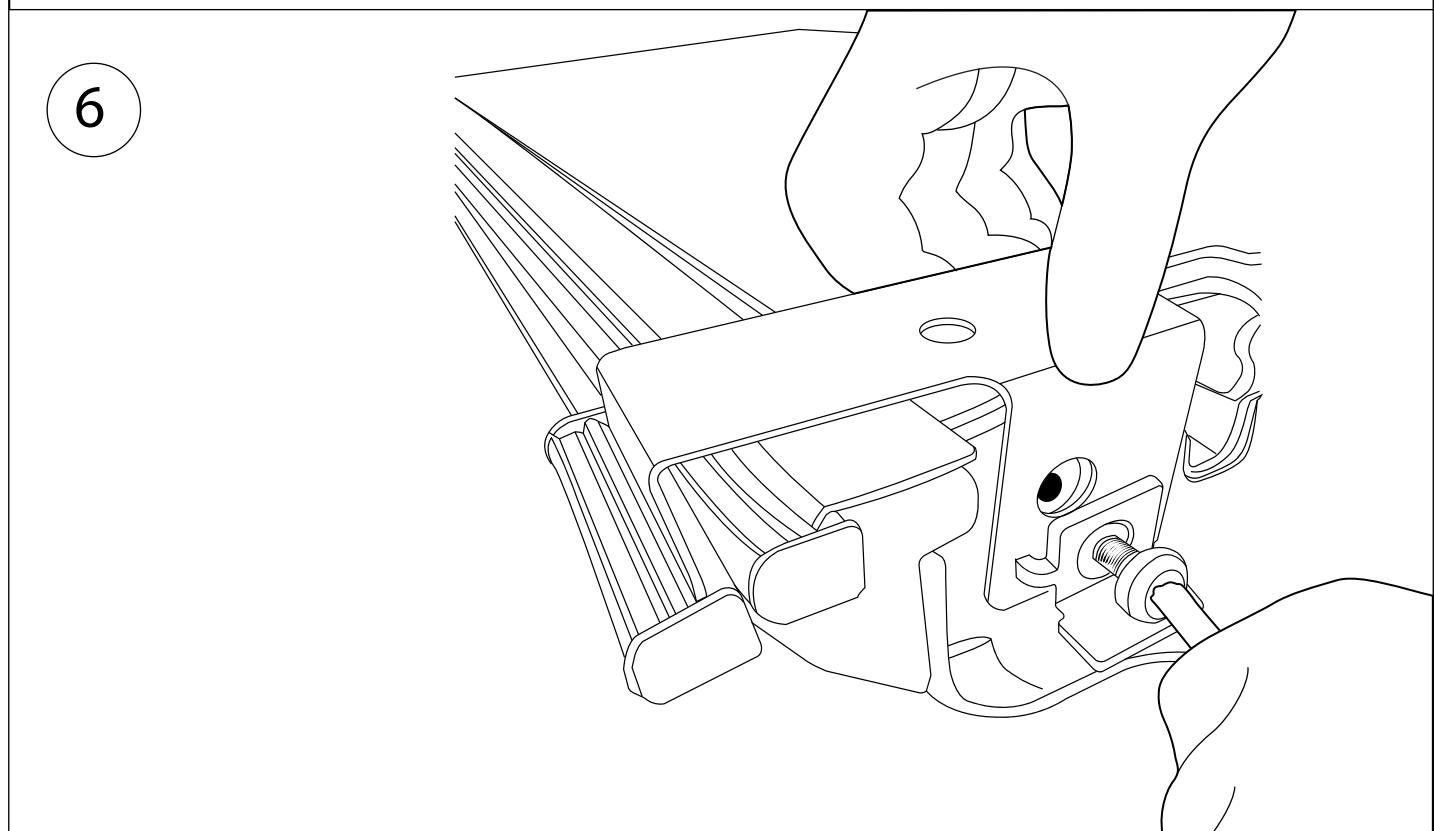
Right Side

Left Side

The Position install of lock Side



Remove The Lock Side of tailgate. ( Left / Right Side )

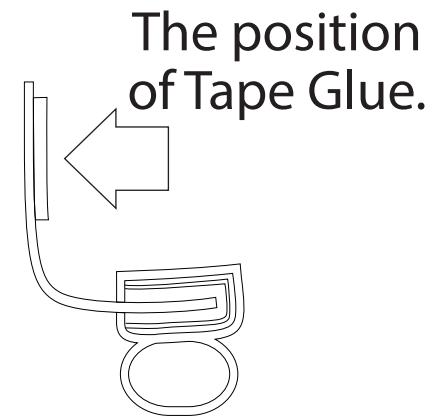
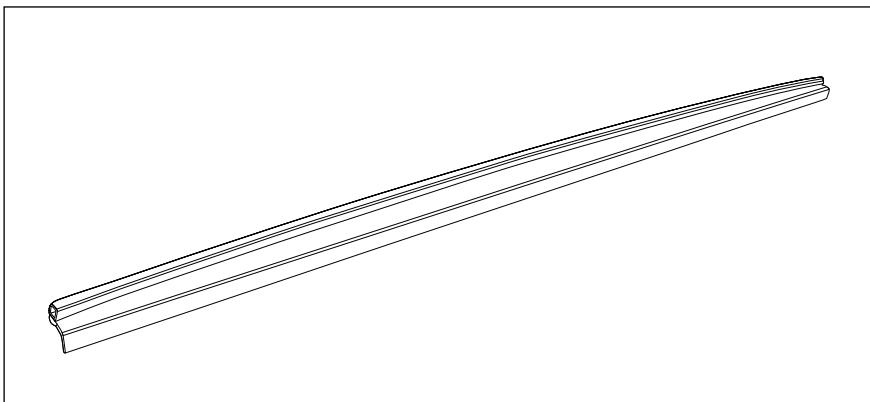
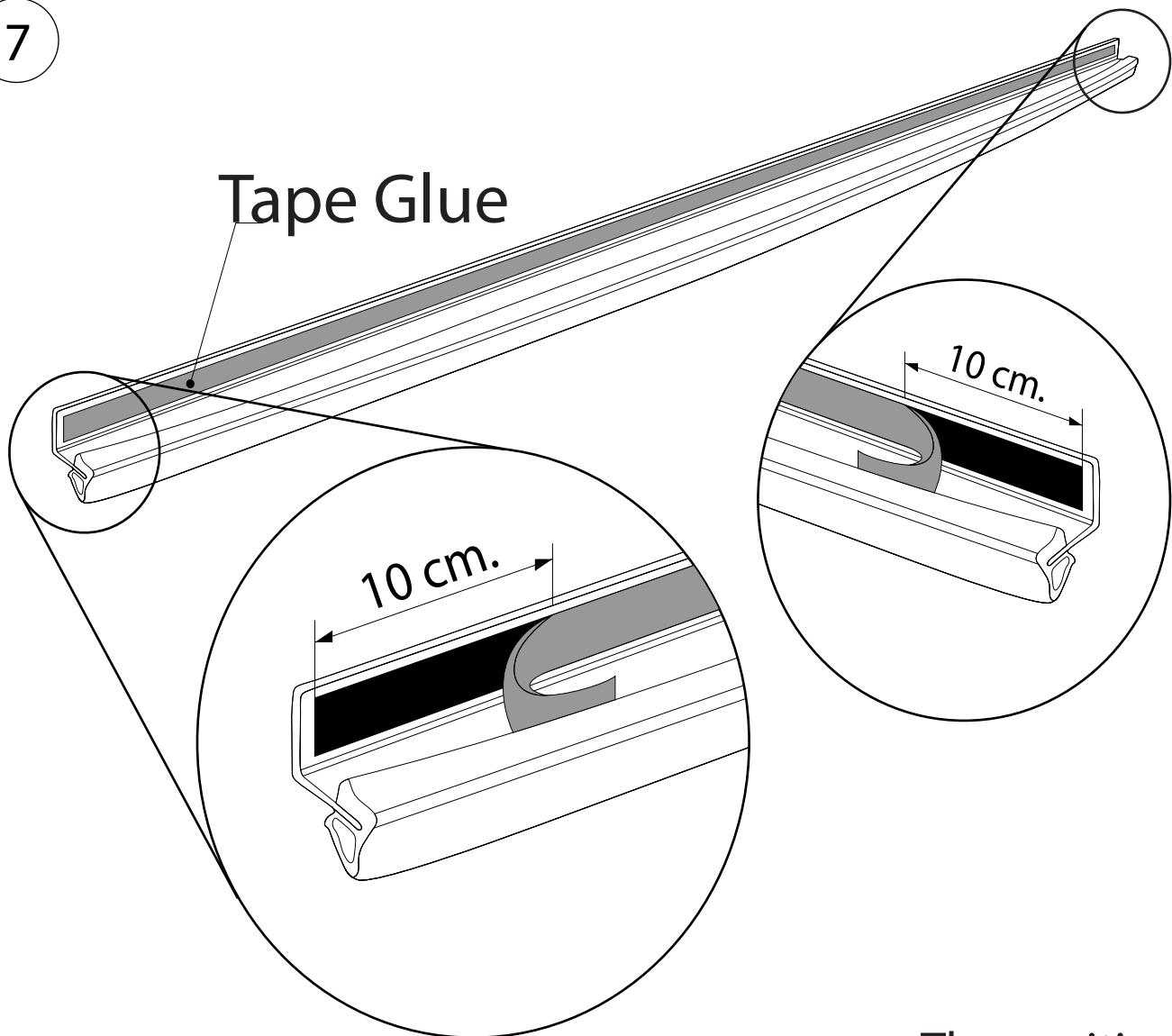


LOCK TAIL GATE RH



7

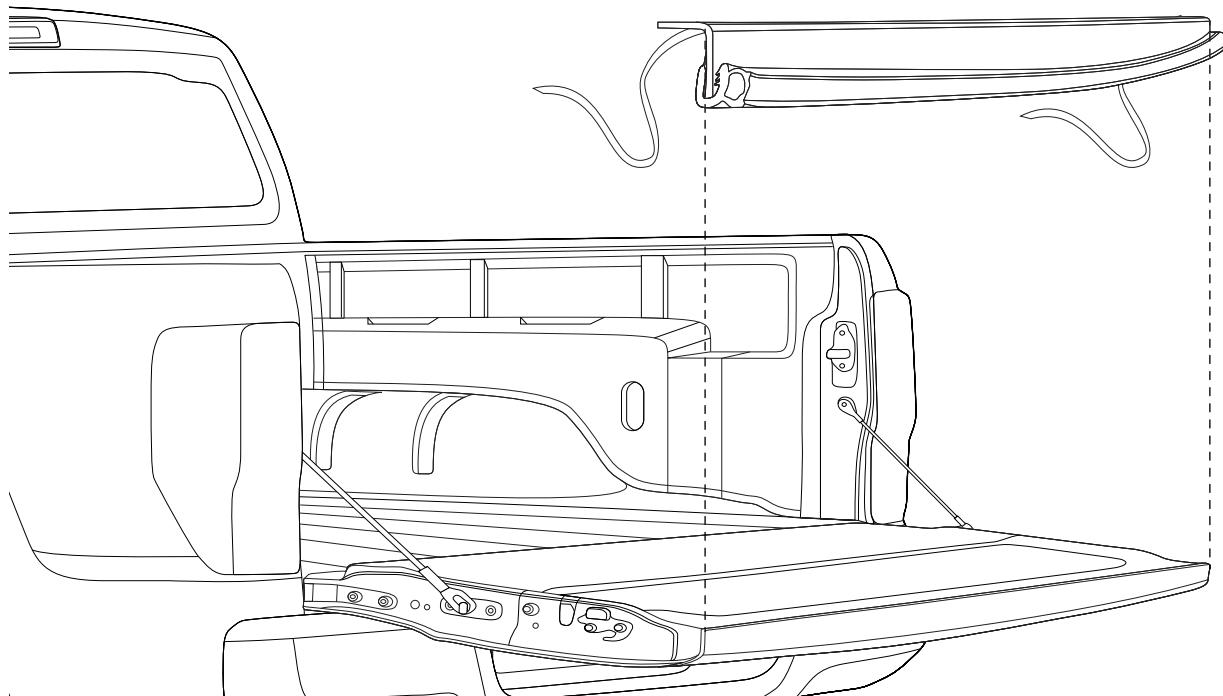
Tape Glue



Pull tape glue out 10 cm. on each side.

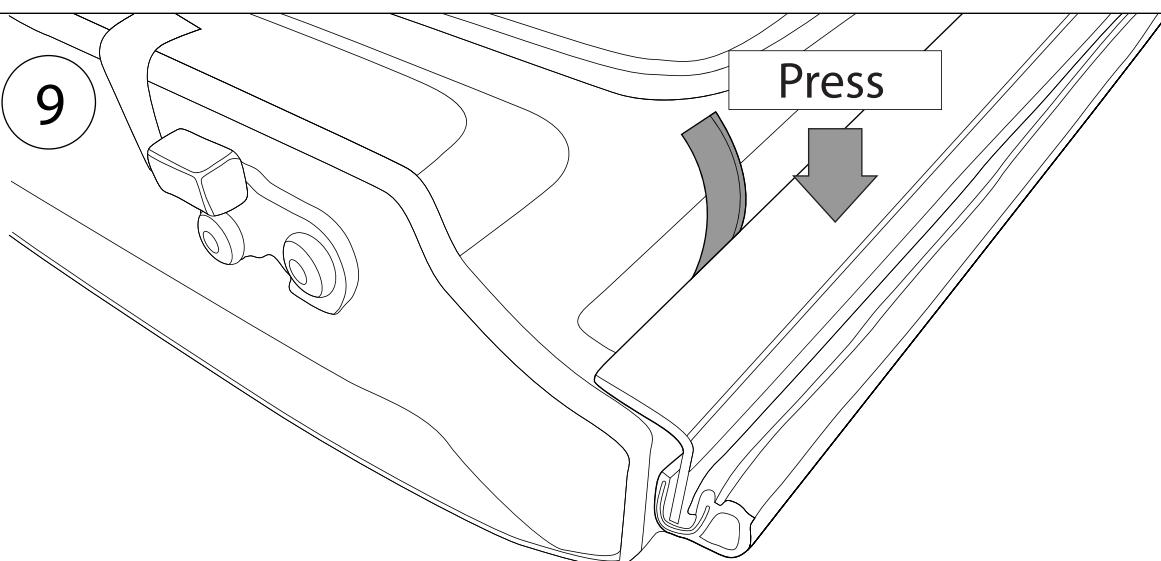


8



Alignment the position between the edge  
of tailgate and Frame Weather Strip.

9



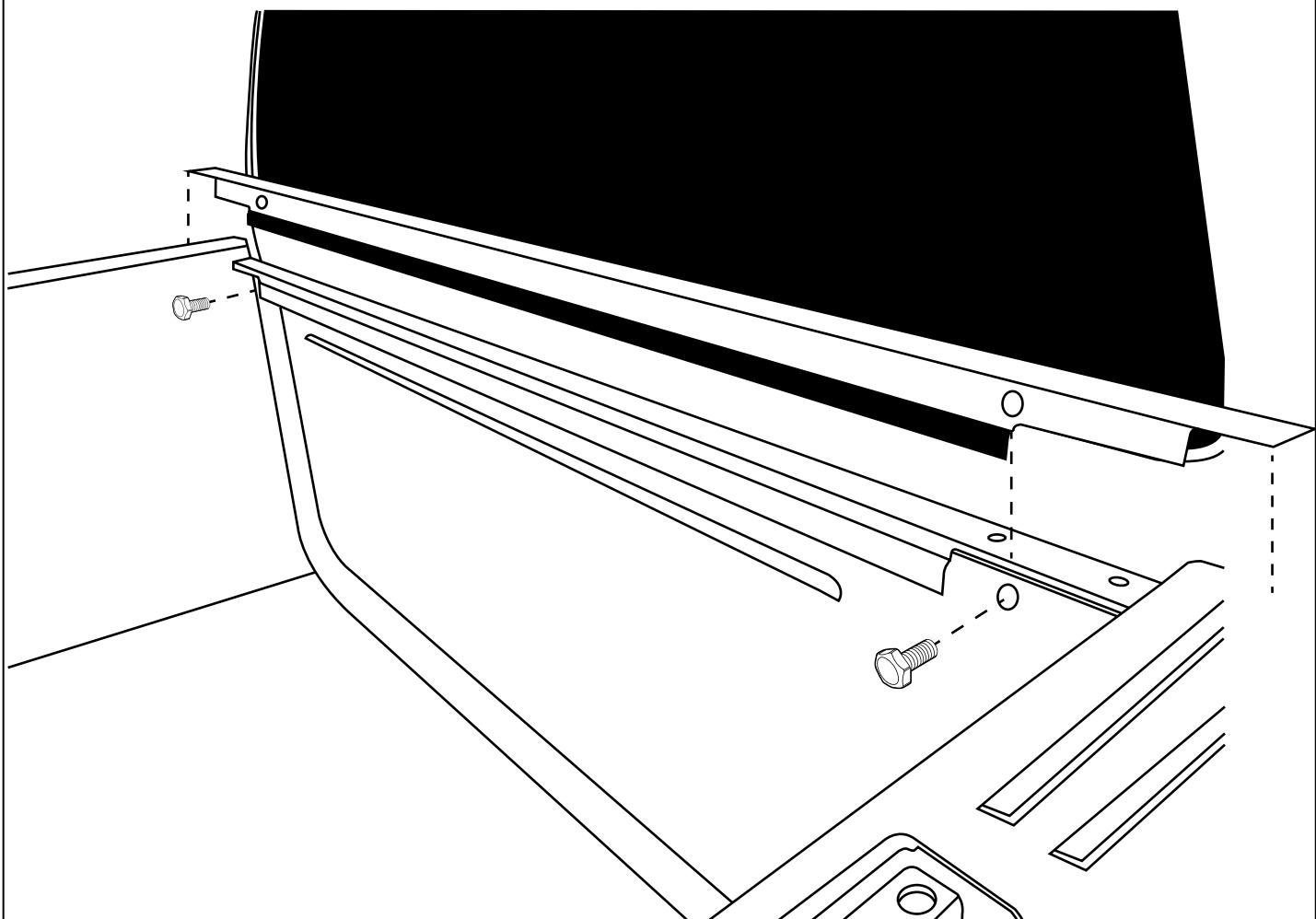
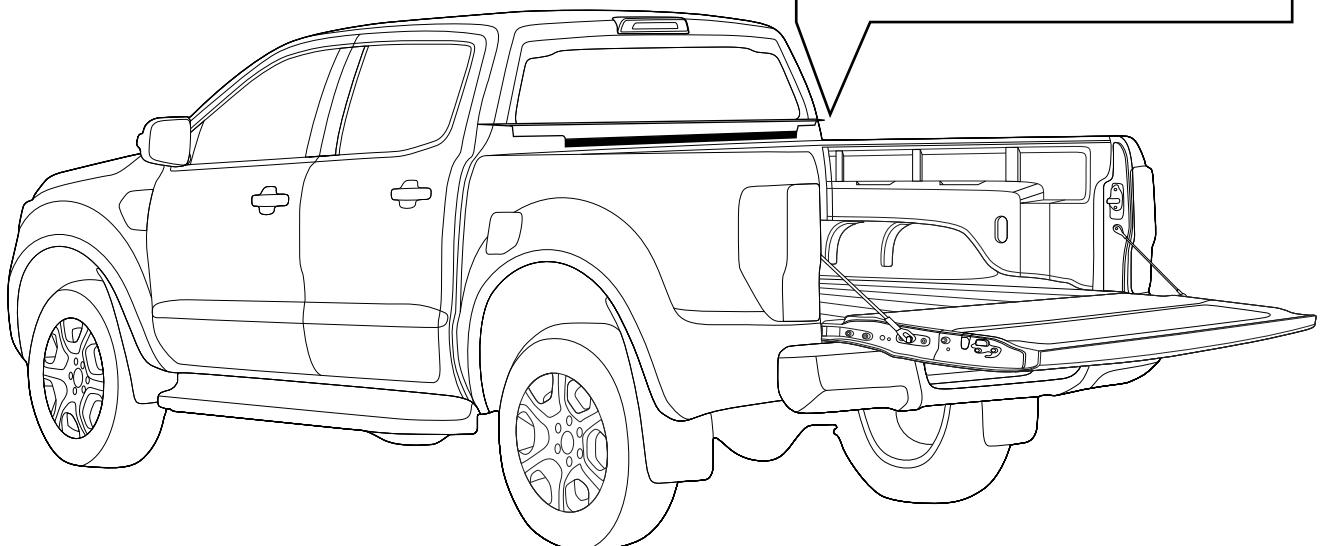
Pull the tape glue.



**SAMMITR**

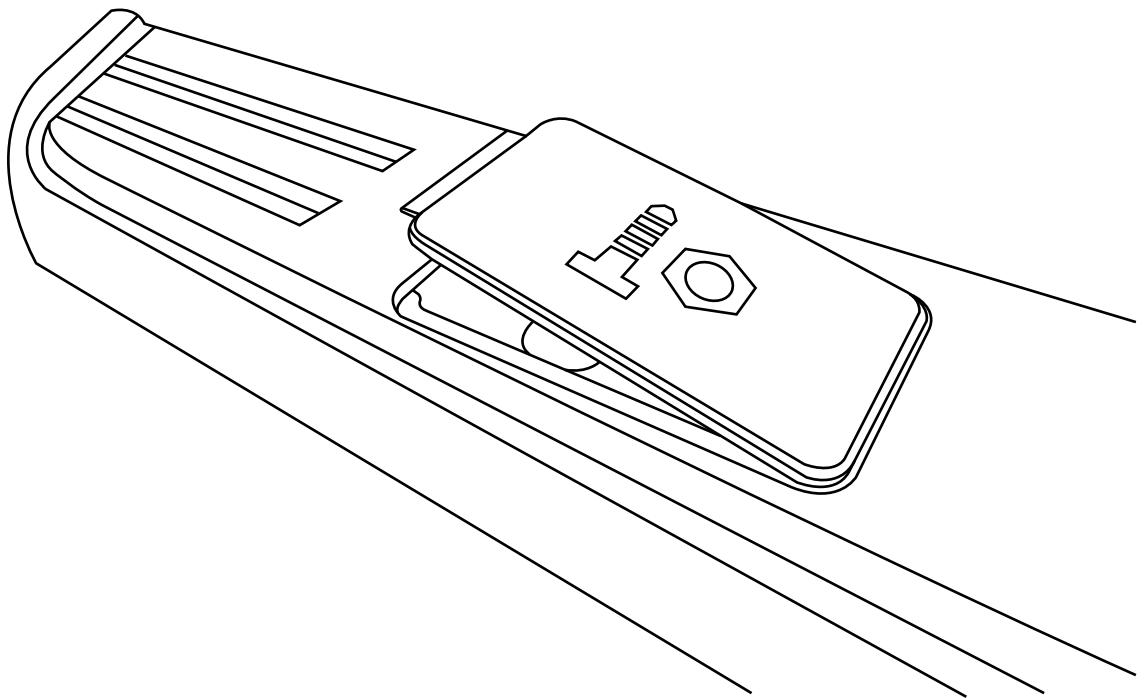
10

FR FRAME WEATHERSTRIP



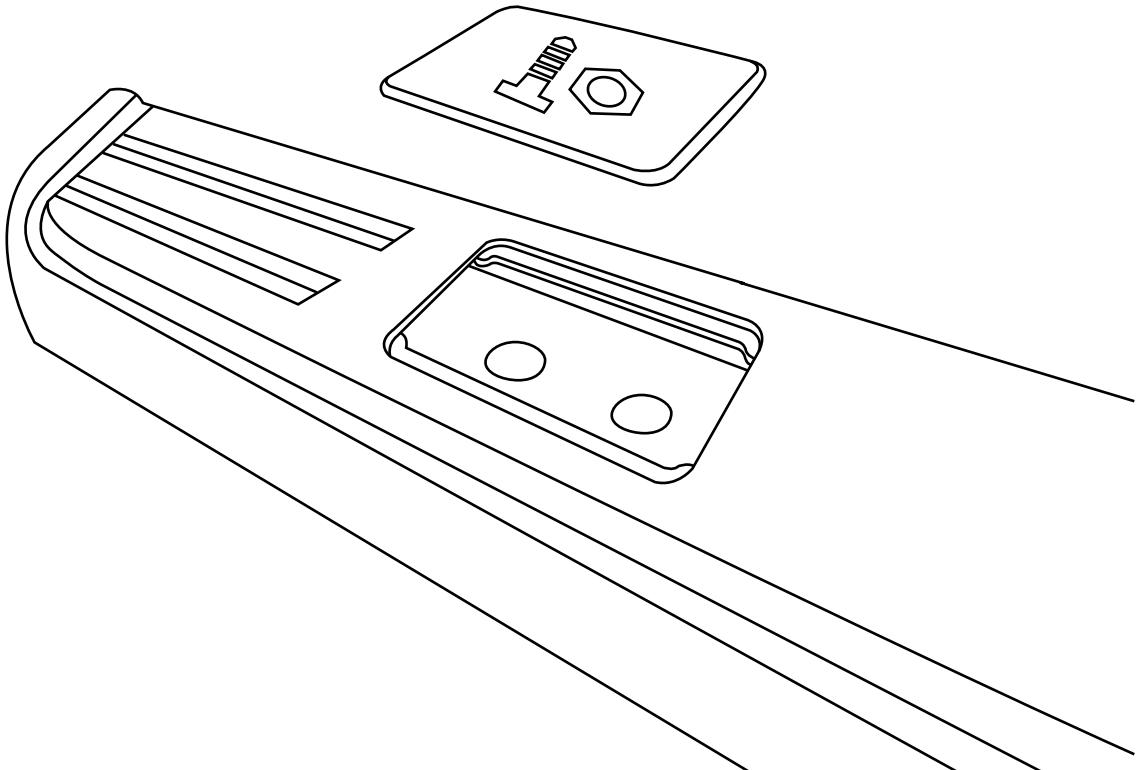


11



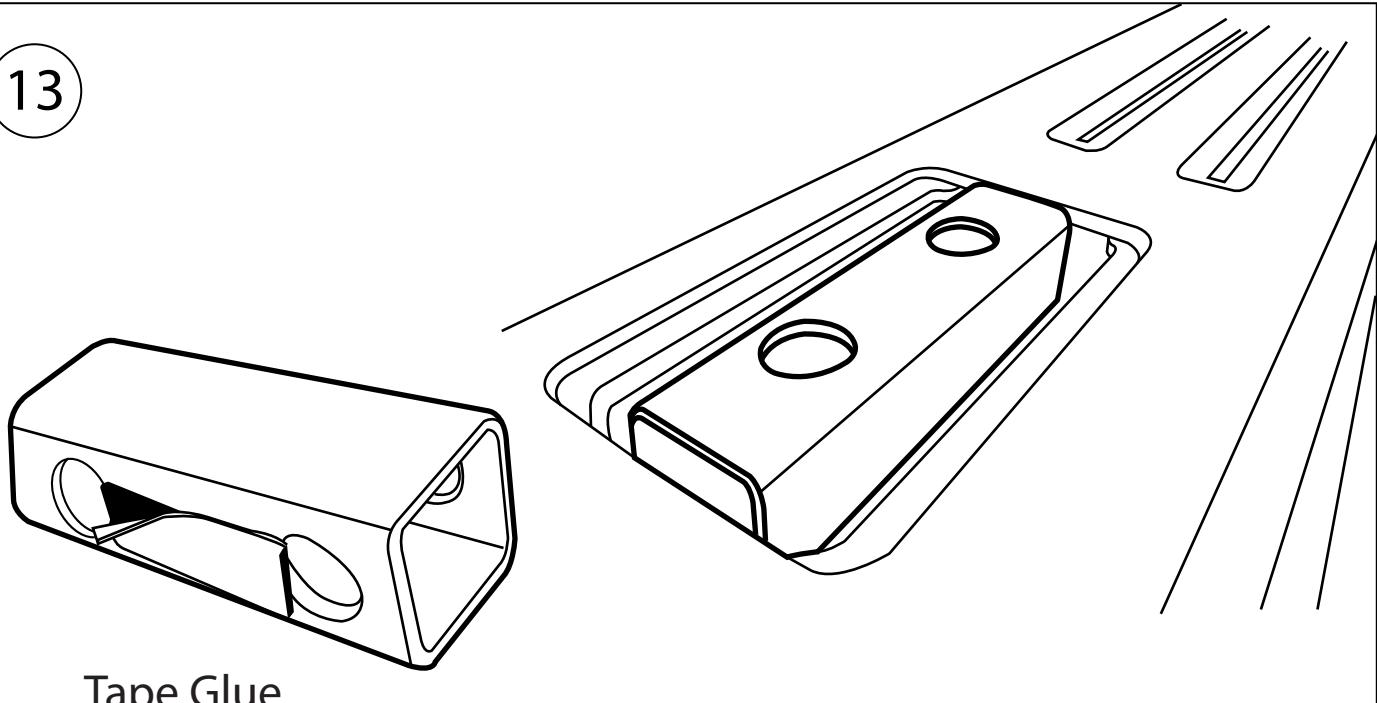
Remove the Cover in order to install the spacer Install canopy  
on the vehicle

12





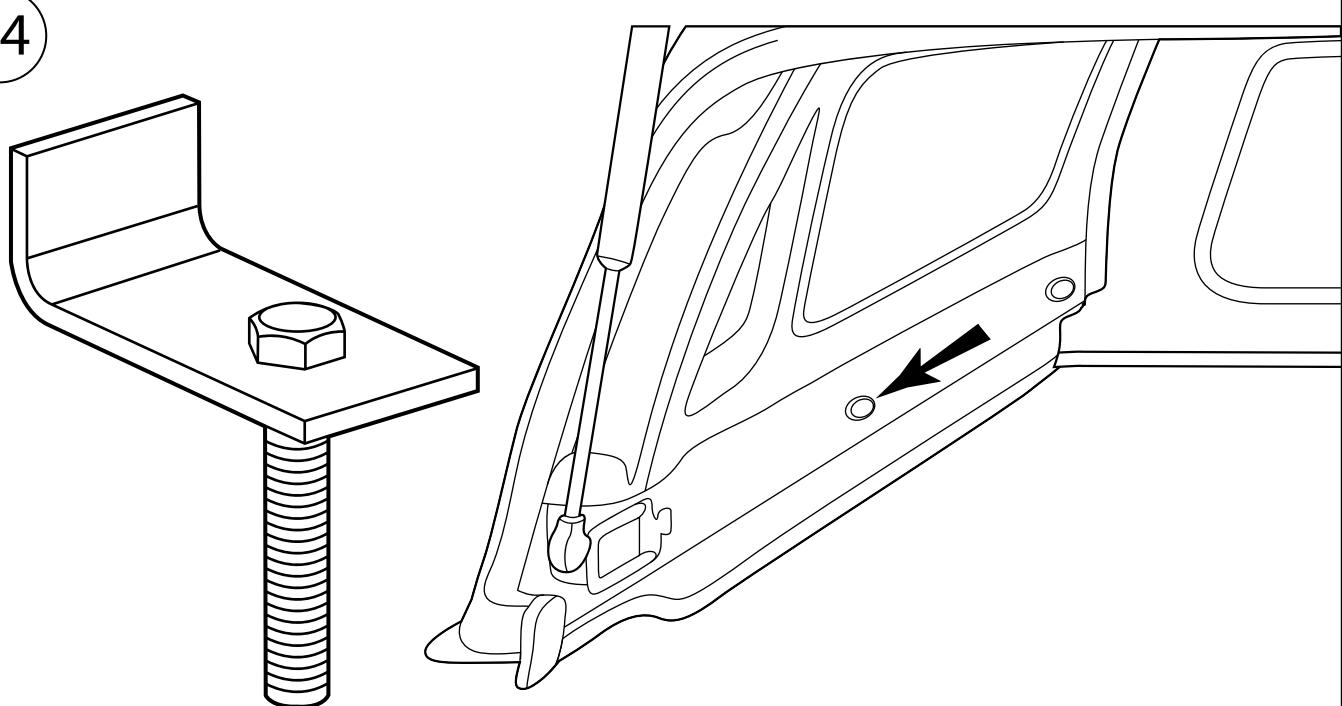
13



Tape Glue

Remove the glue tape and press in the gap

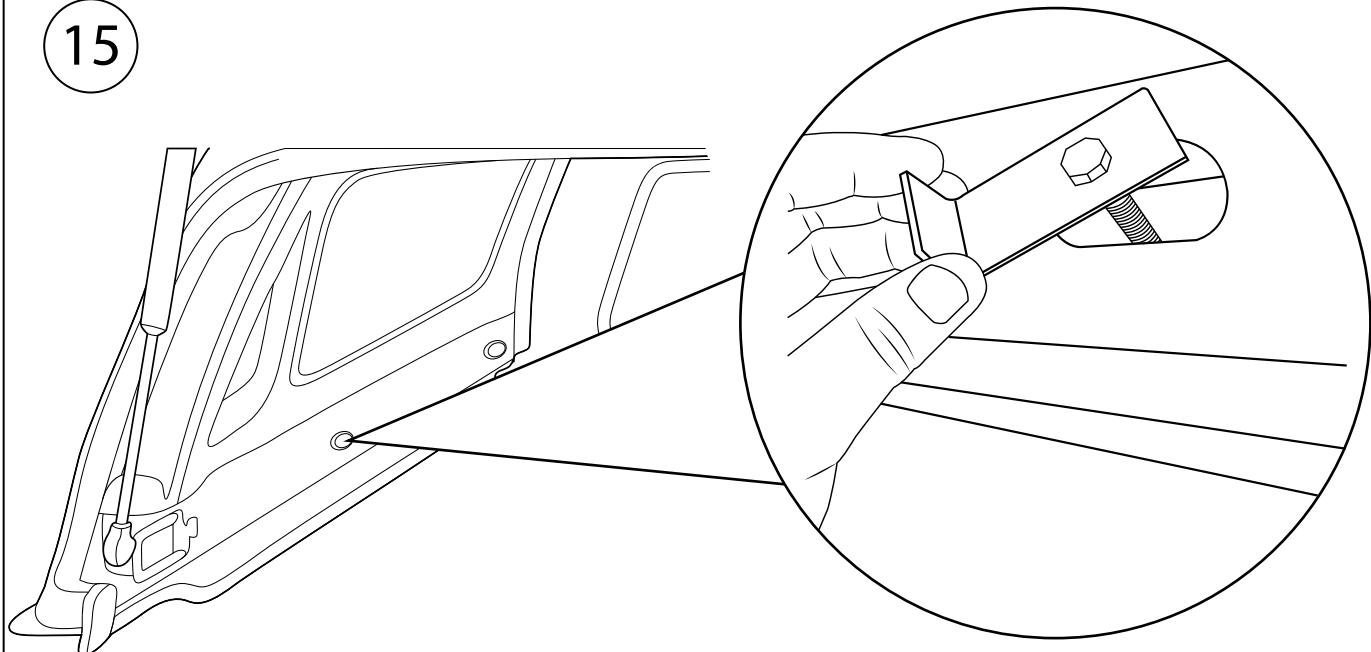
14



BRKT LOCK ROOF

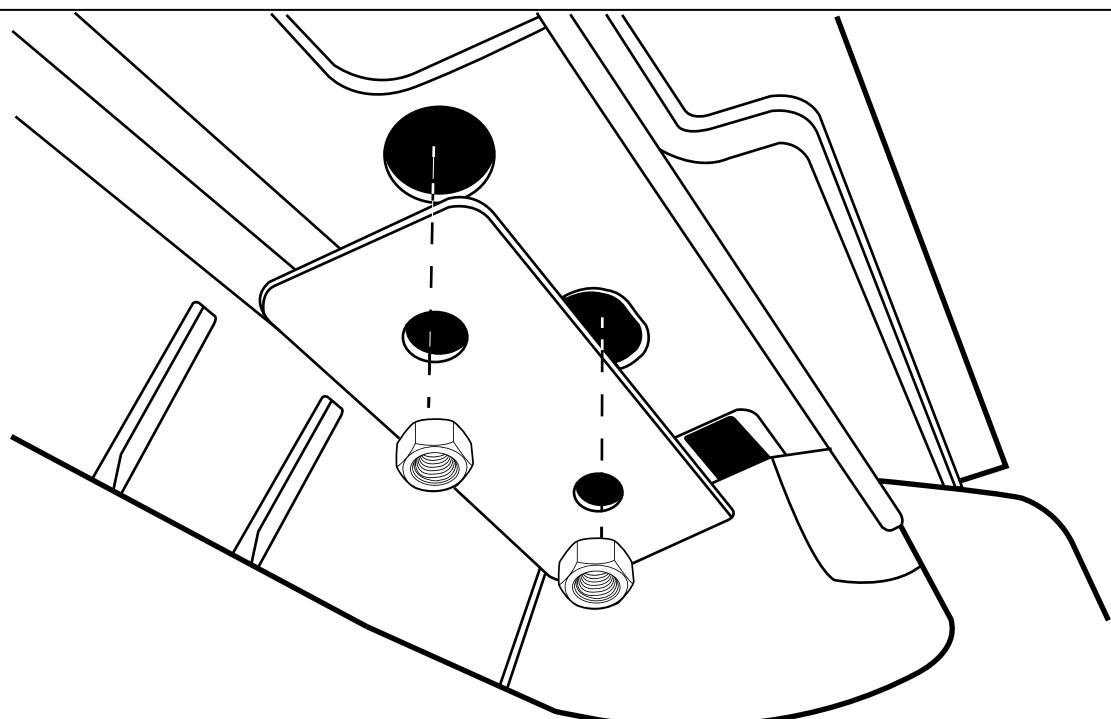


15



Bracket Lock Roof Bolt M8 mounting positions  
onto vehicle (left).

16

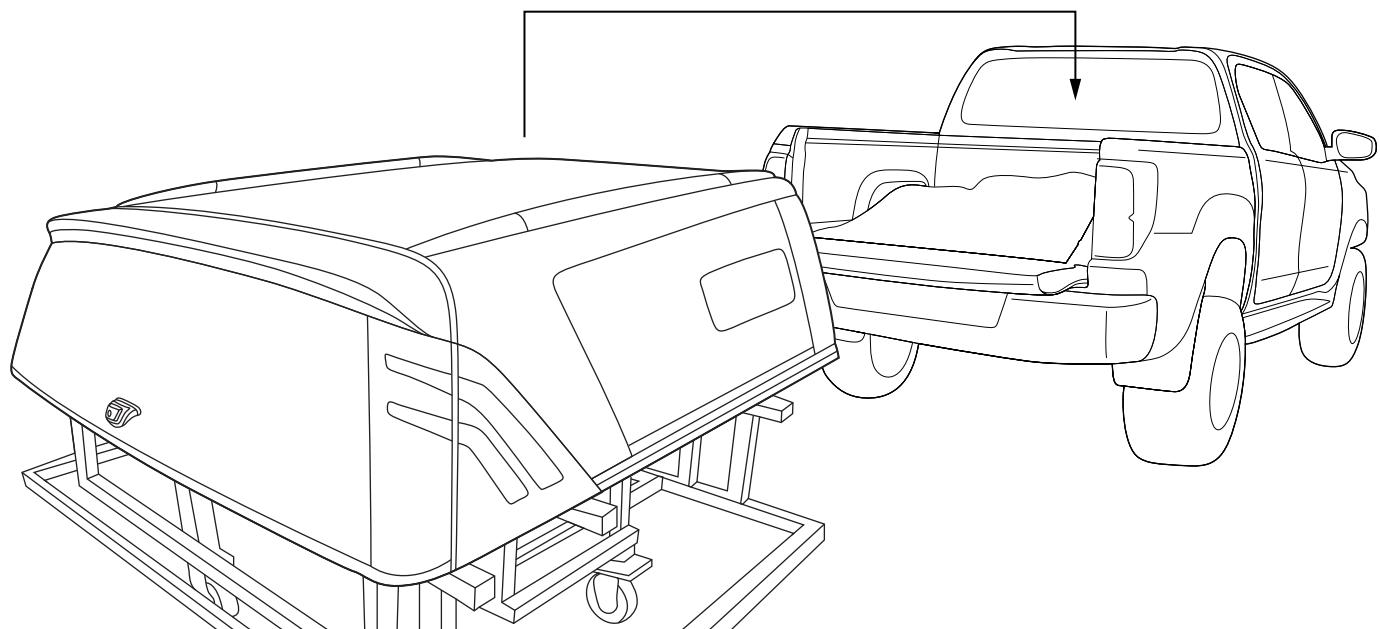


Install bracket to gether with M8 Nut along the spacer  
till canopy body spot.

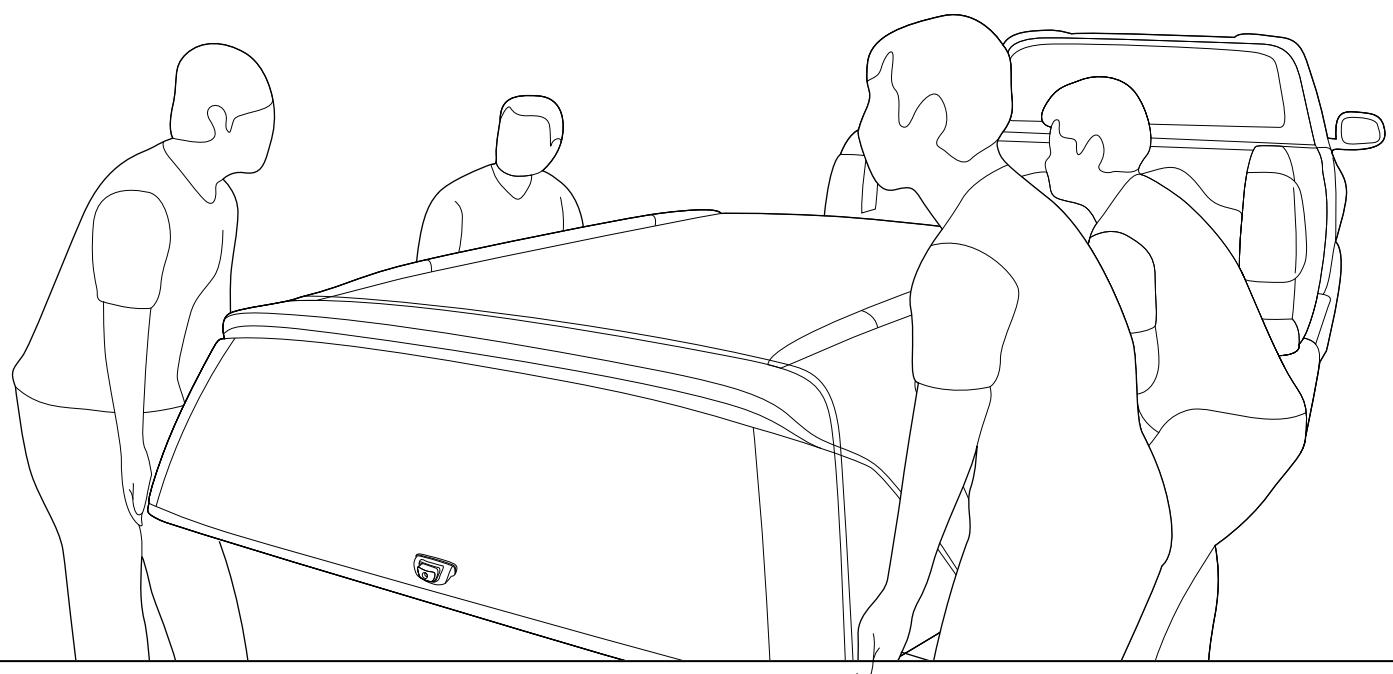


17

The process of preparing Sammitr Canopy TL-1 model before install on the vehicle.



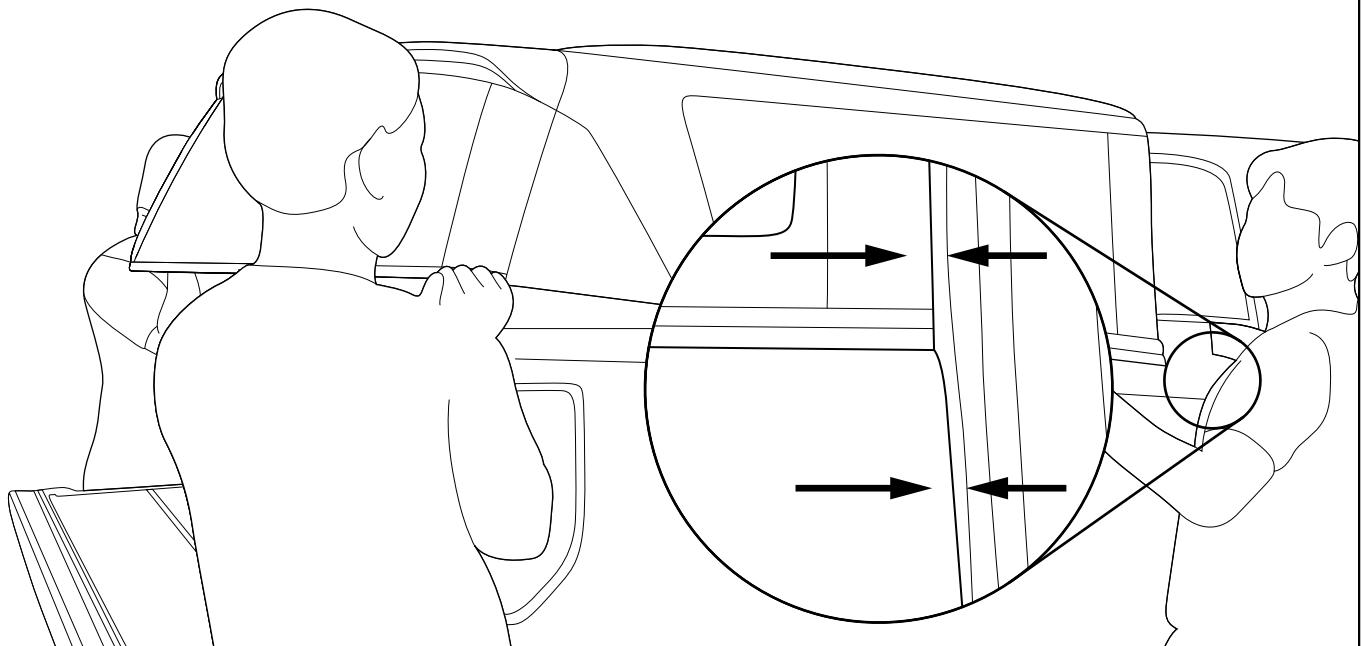
18



The process of lifting the canopy onto the vehicle tub by using 4 people for lifting.

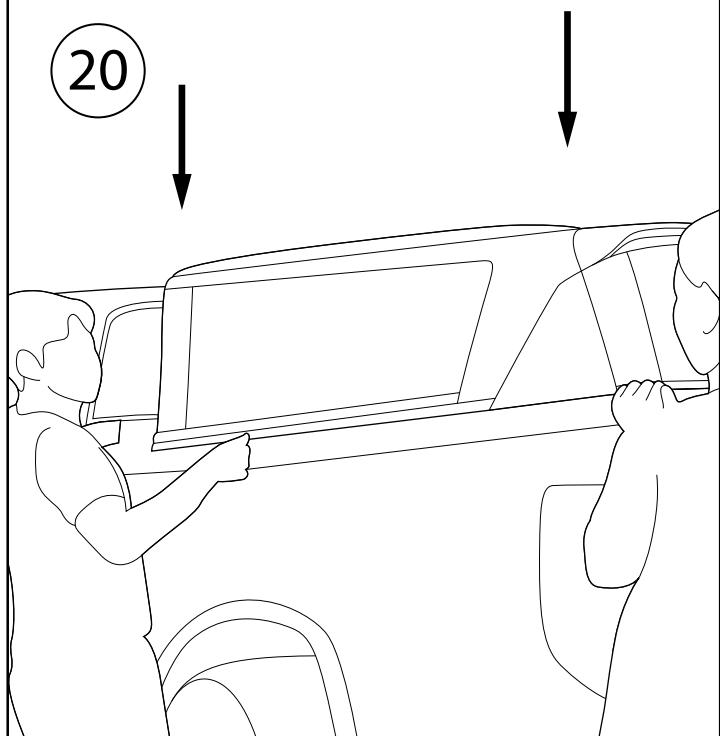


19

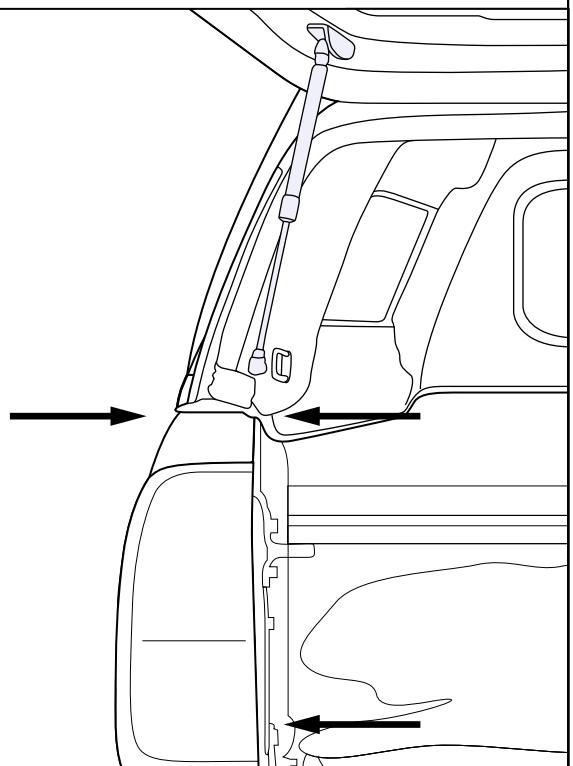


Lift canopy over the pick up truck by rising the rear part higher and the front part to be in the parallel with the edge of the vehicle tub.

20



21

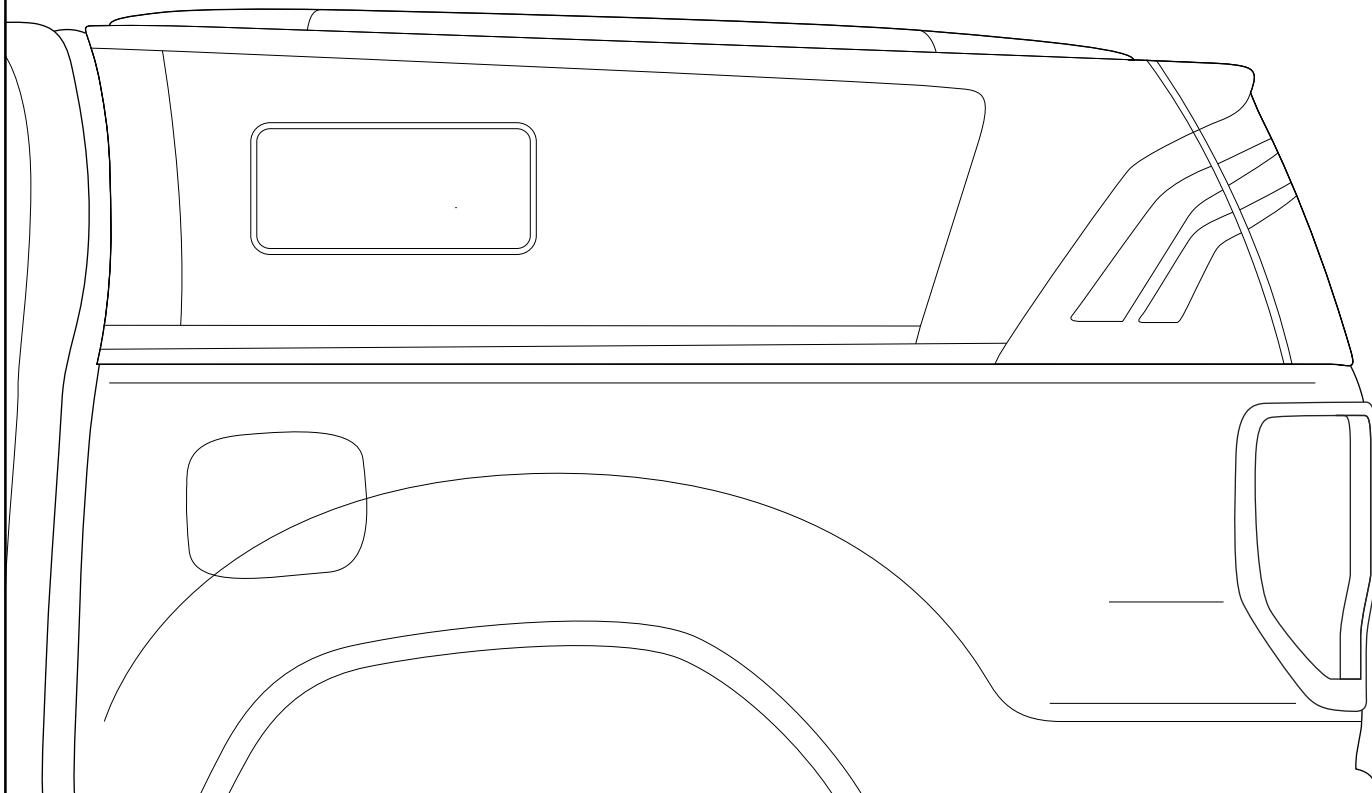


After get the distance in front part and then put the rear part to cover the vehicle tub

Make sure the distance between canopy edge and vehicle rear tub are equivalent both left and right sides.

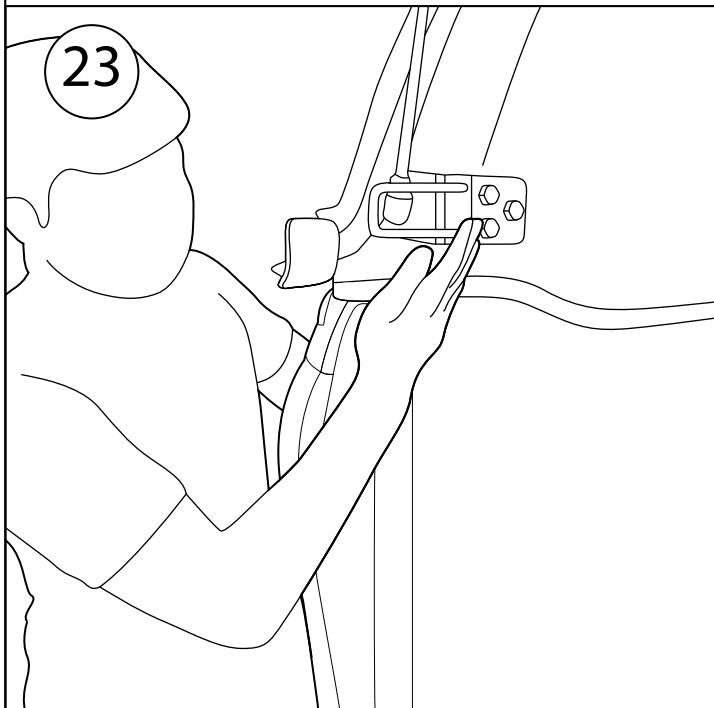


22

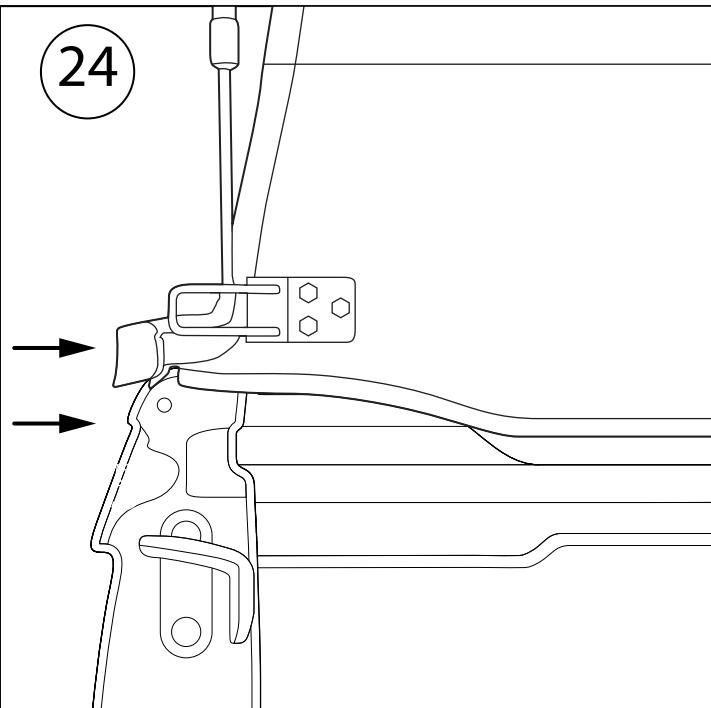


Side edge of canopy to be in the parallel with the Side edge of the vehicle tub.

23



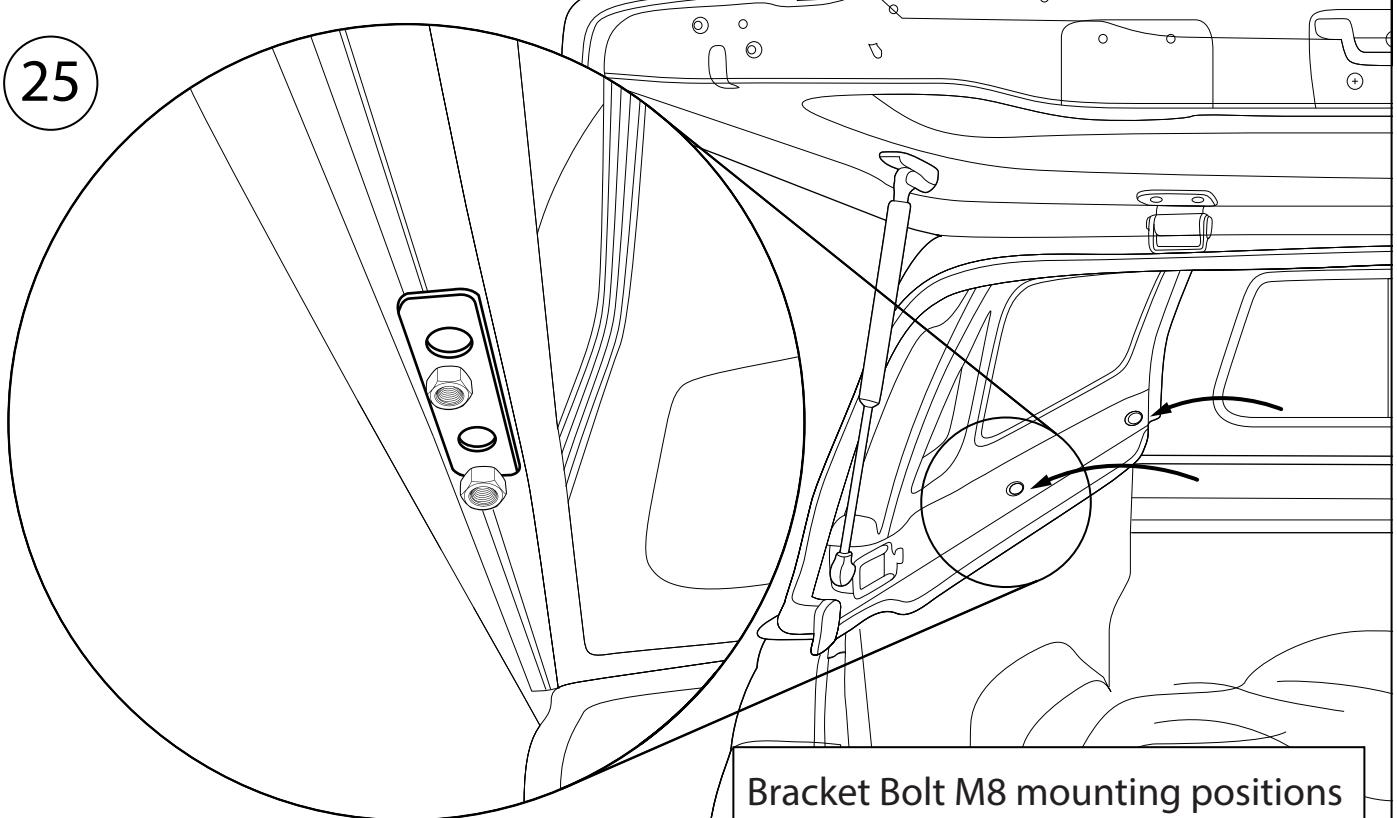
24



After finished measure the side part, check the distance at rear part of canopy which must have to be in the parallel with the Rear edge of the vehicle tub.

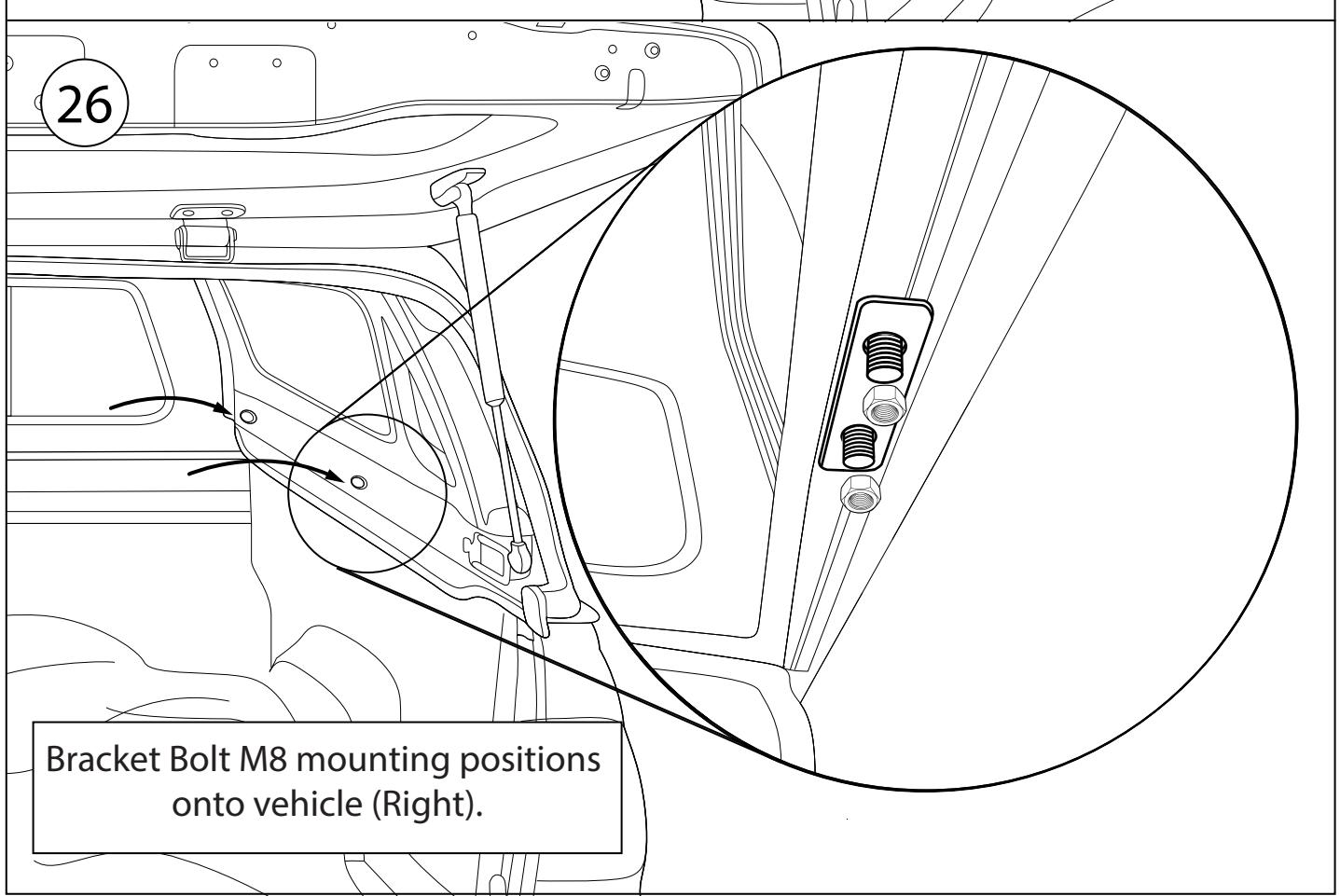


25

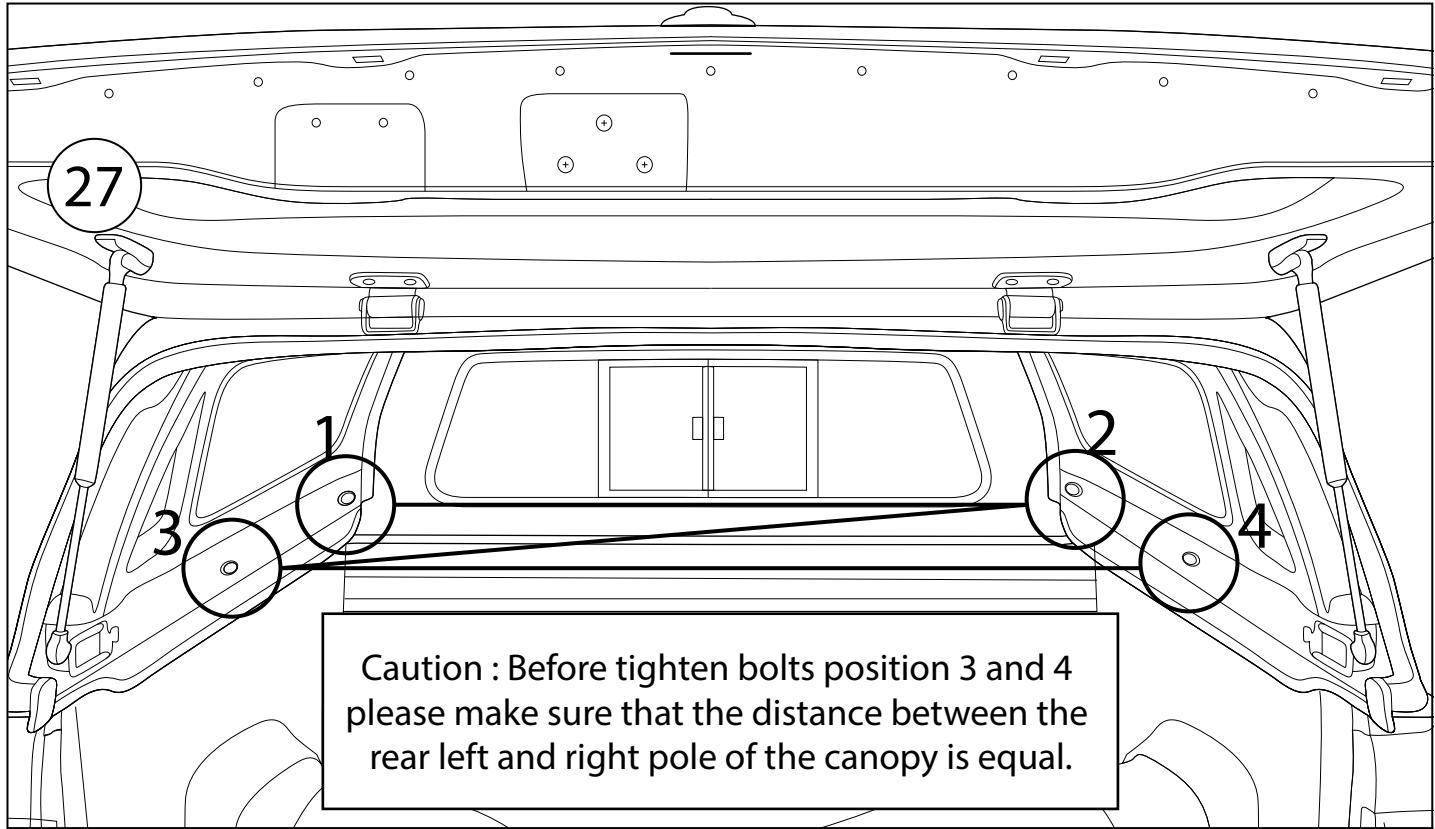


Bracket Bolt M8 mounting positions  
onto vehicle (left).

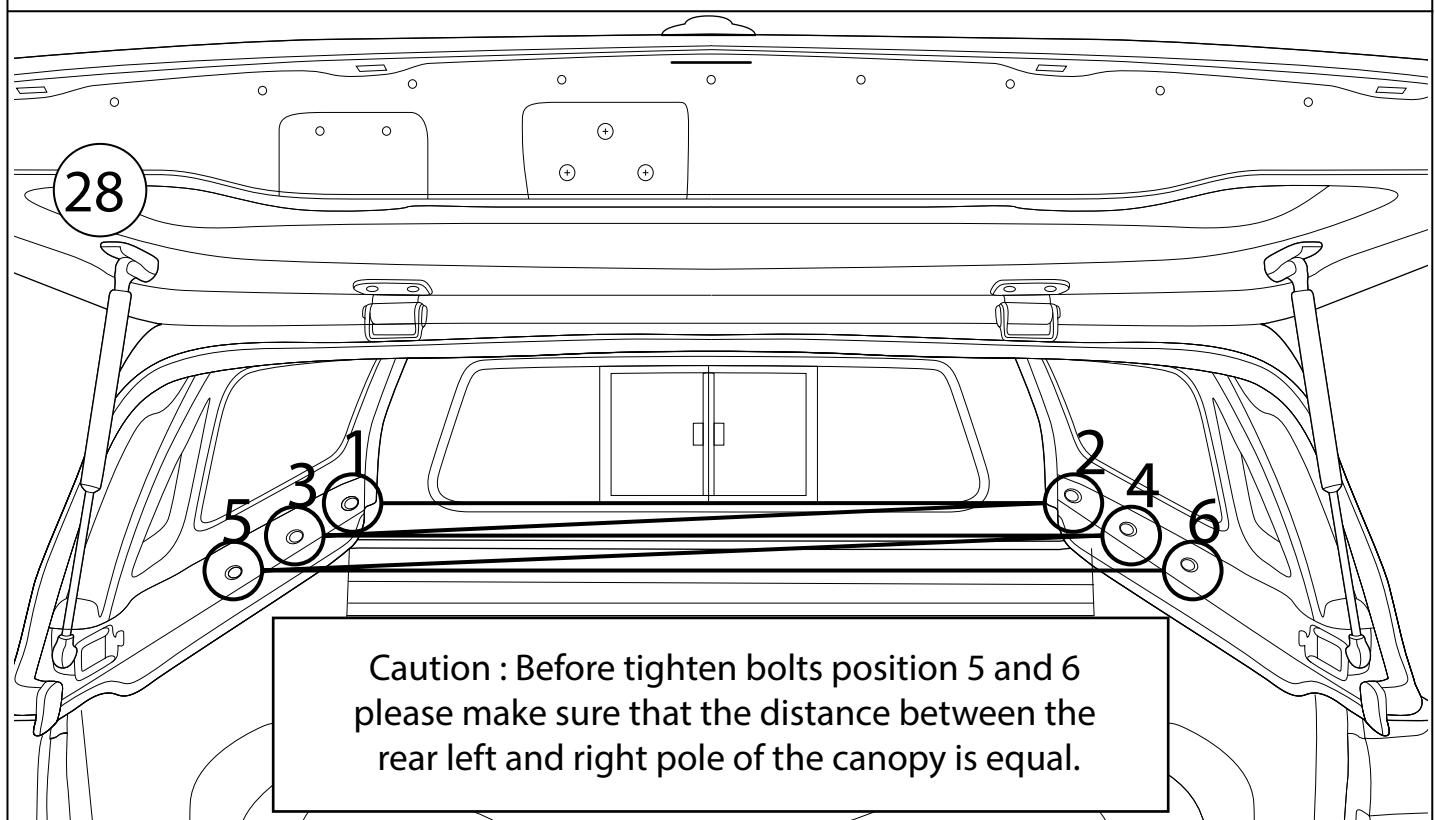
26



Bracket Bolt M8 mounting positions  
onto vehicle (Right).



Steps of canopy C-Clamp bolts tightening onto vehicle.

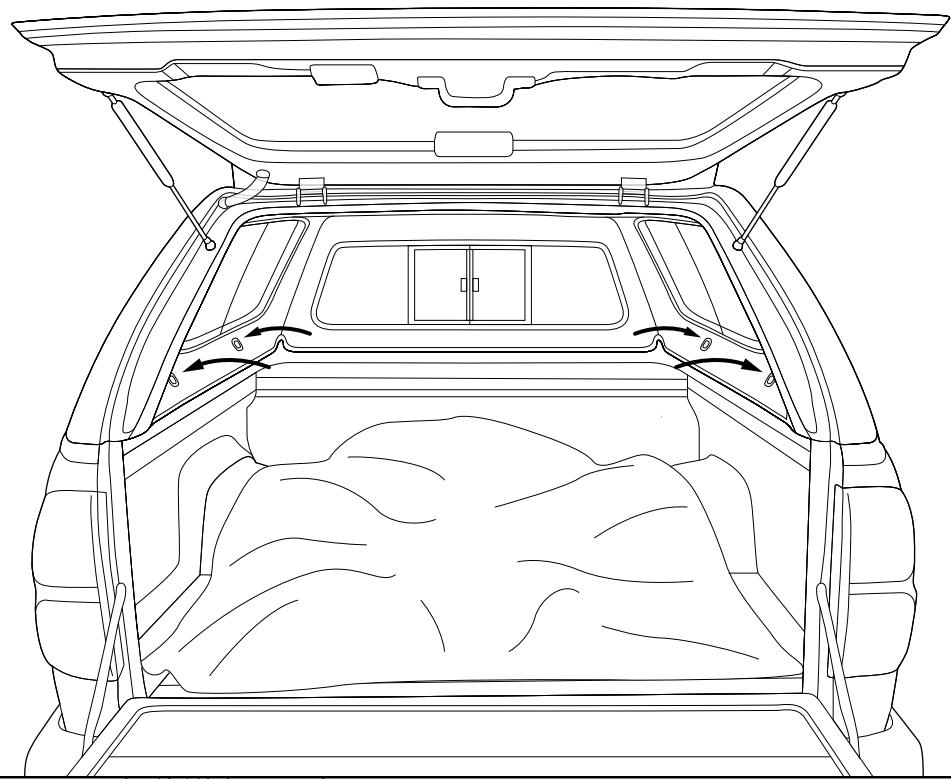


Steps of canopy C-Clamp bolts tightening onto vehicle.



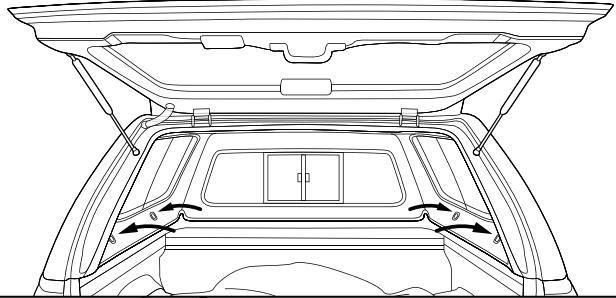
29

The process of C-Clamp installation  
S-Plus V2 canopy model with the vehicle



30

Open / take off the rubber plug



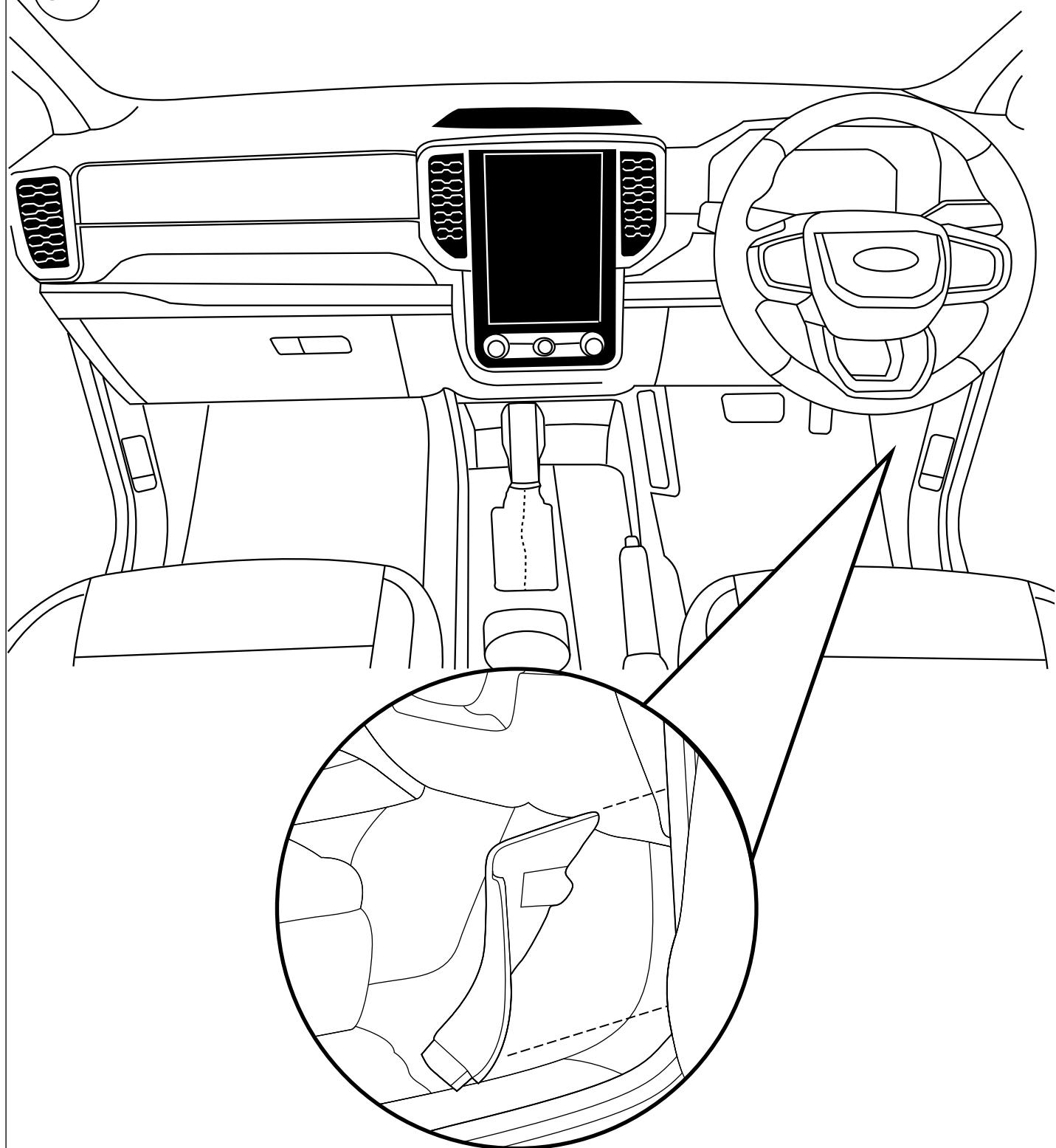


**SAMMITR**

# Electrical Installation



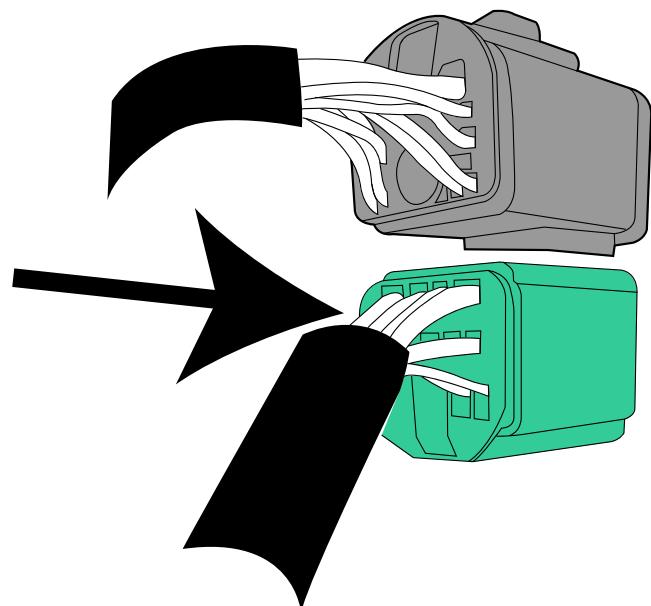
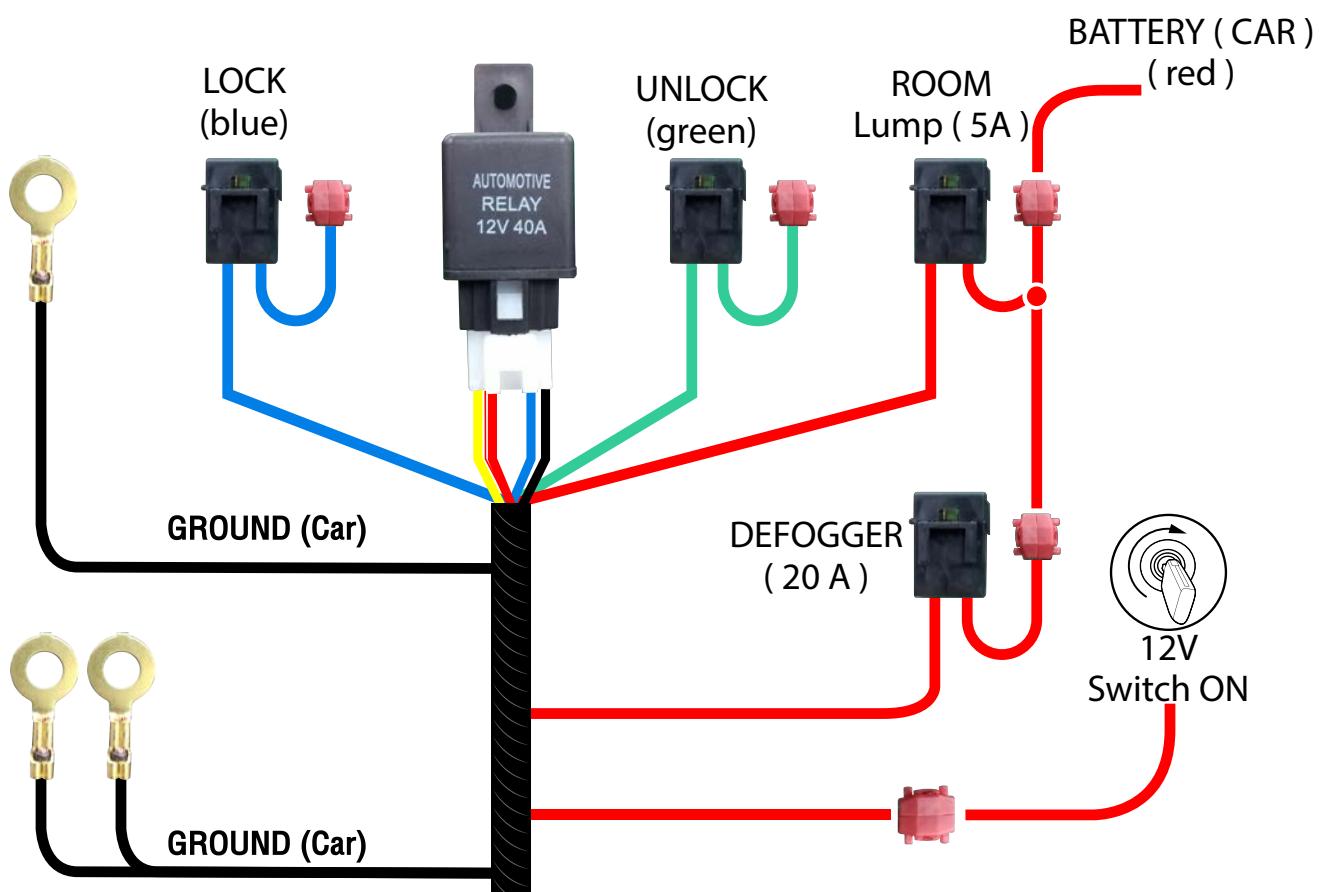
31



Take off the Wiring Cover at the driver side in order to  
check the wiring position.



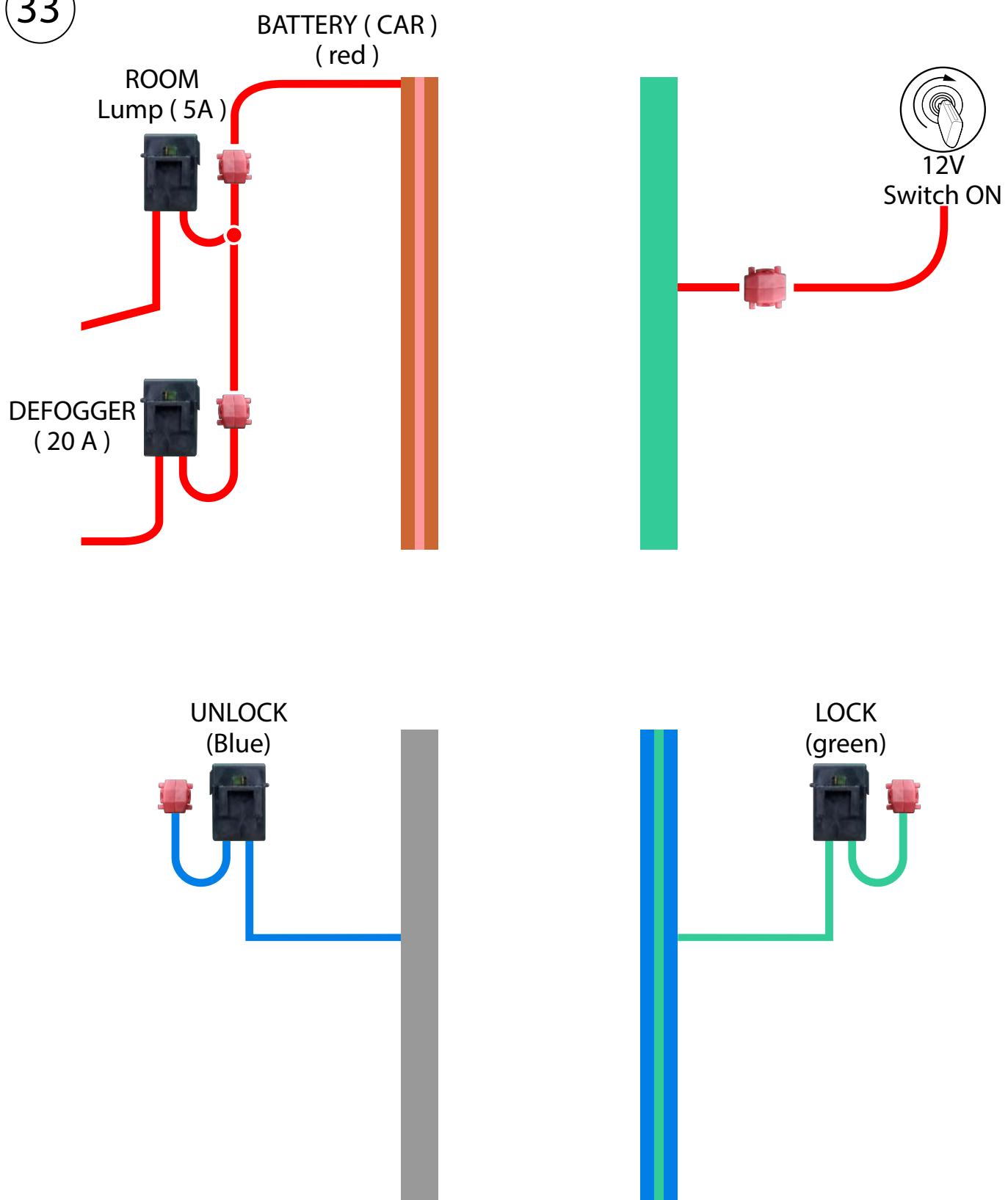
32



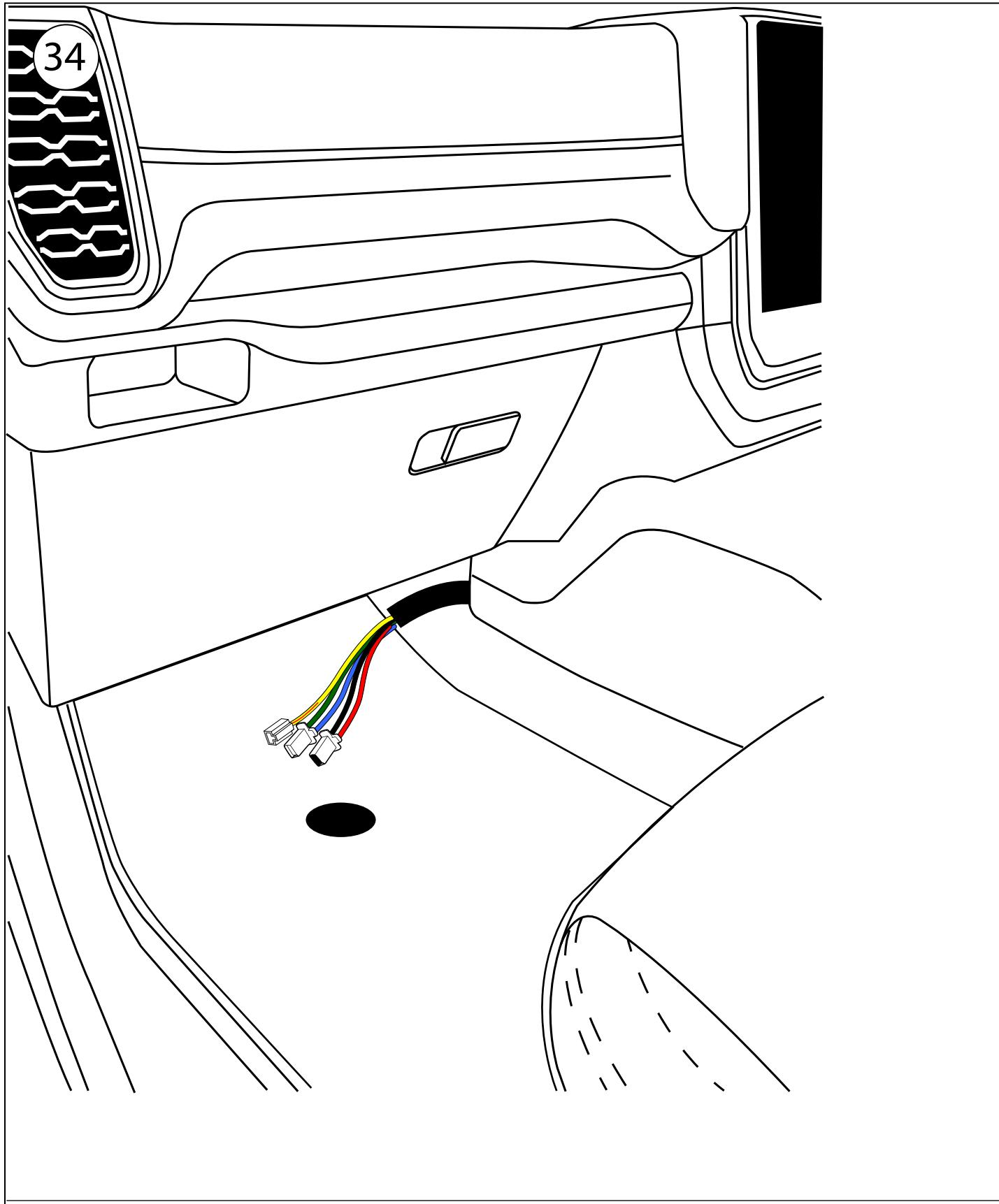
Harness Central Lock No.38



33



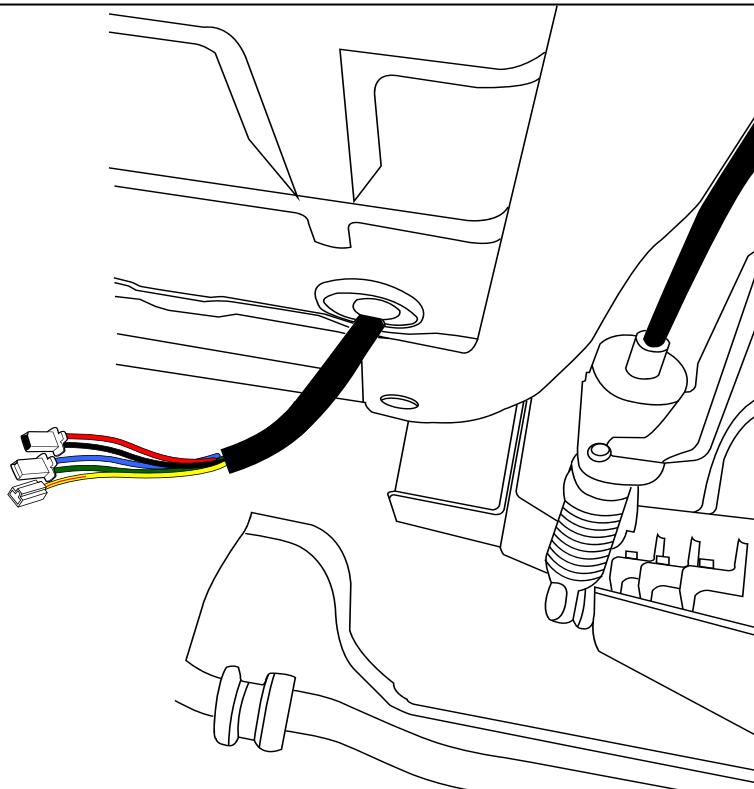
Harness Central Lock No.38



Running canopy wiring via vehicle wiring hole/pipe along under the chassis.



35



Run the wiring through the hole of the vehicle floor and seal to protect water leaking problem.

36

## The Step of wiring running diagram

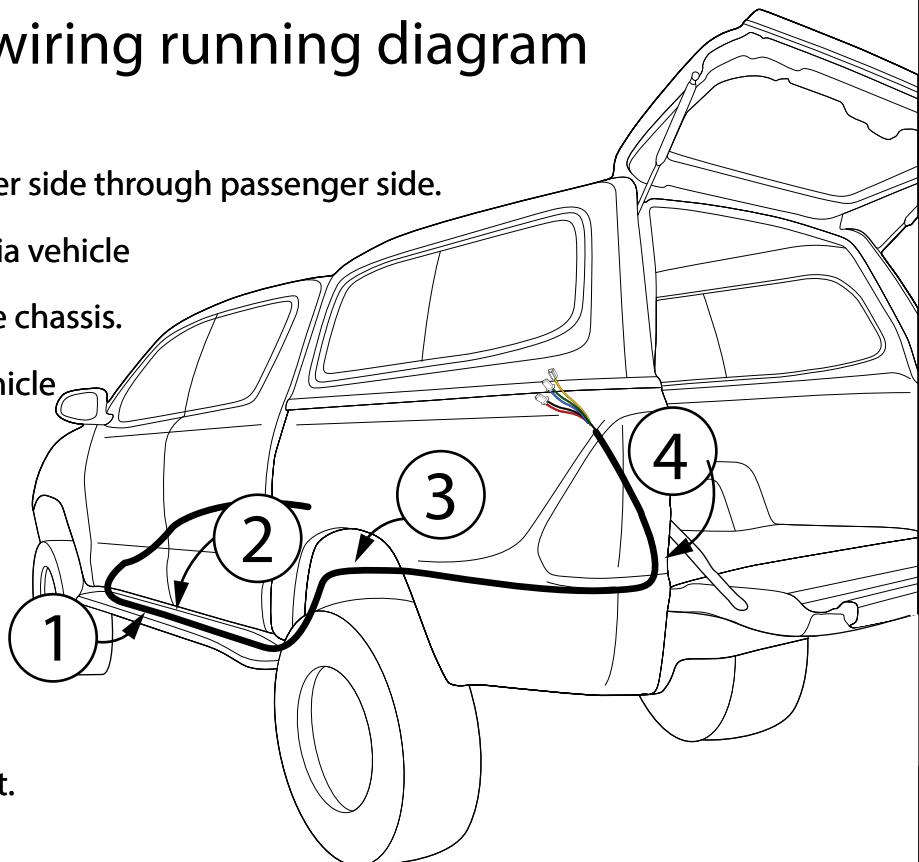
Point 1 Wiring running from driver side through passenger side.

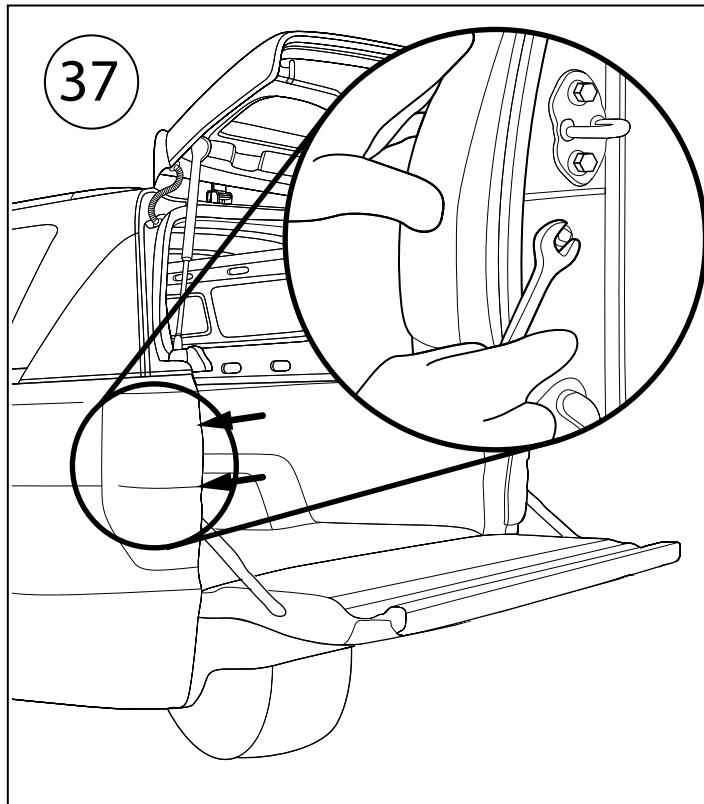
Point 2 Running canopy wiring via vehicle  
wiring hole/pipe along under the chassis.

Point 3 Wiring that run under vehicle  
along the chassis.

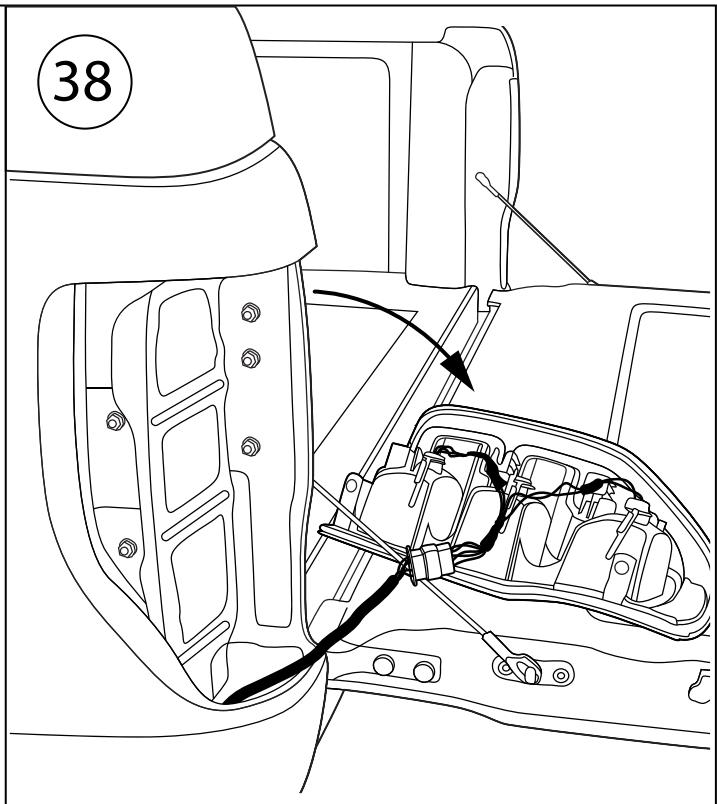
Point 4 Wiring that run via  
chassis at the fender area.

Point 5 Wiring that running  
up the rear light in order to  
connect with the other wiring set.

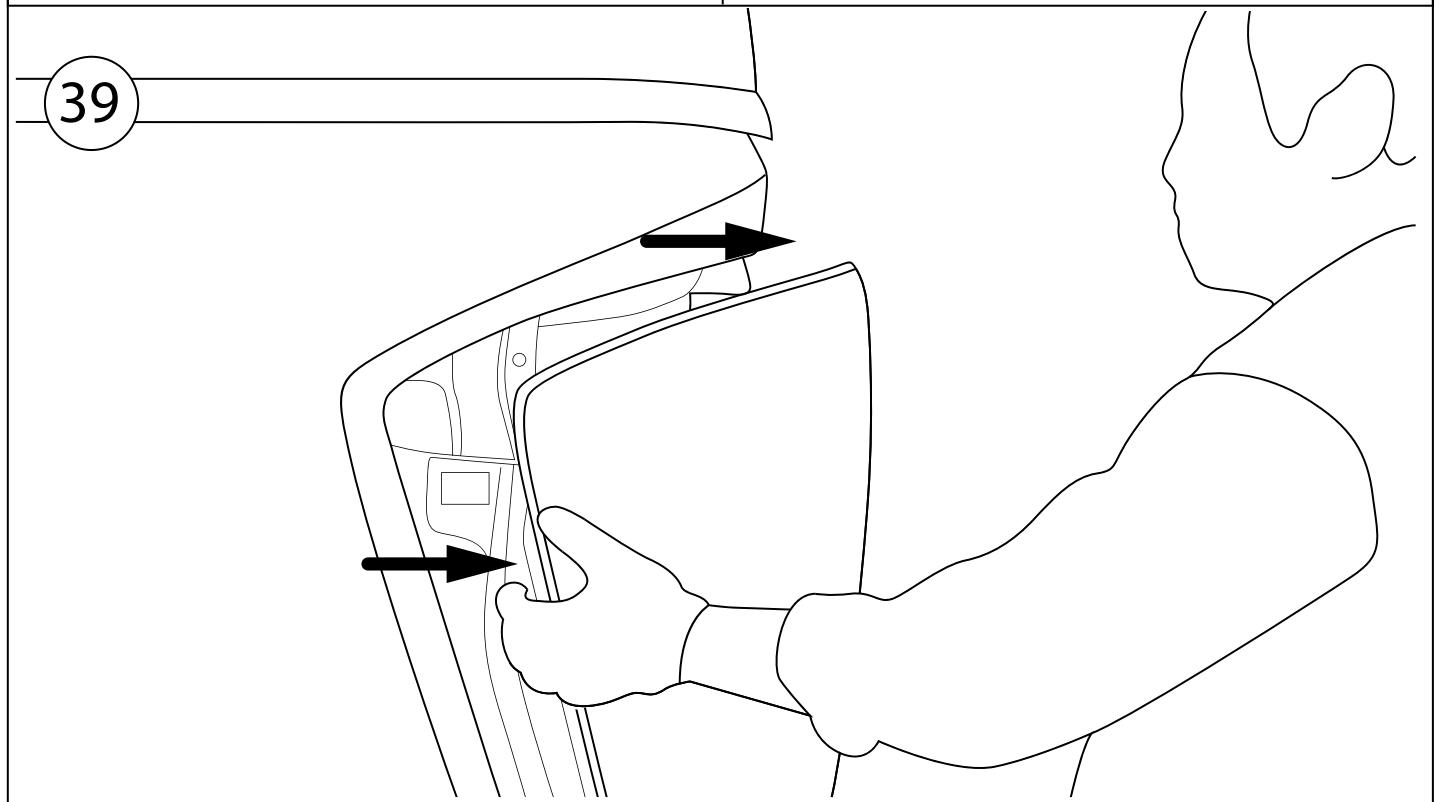




Take off the Rear Light by  
using wrench No.10



Take off the Rear Light vehicle.

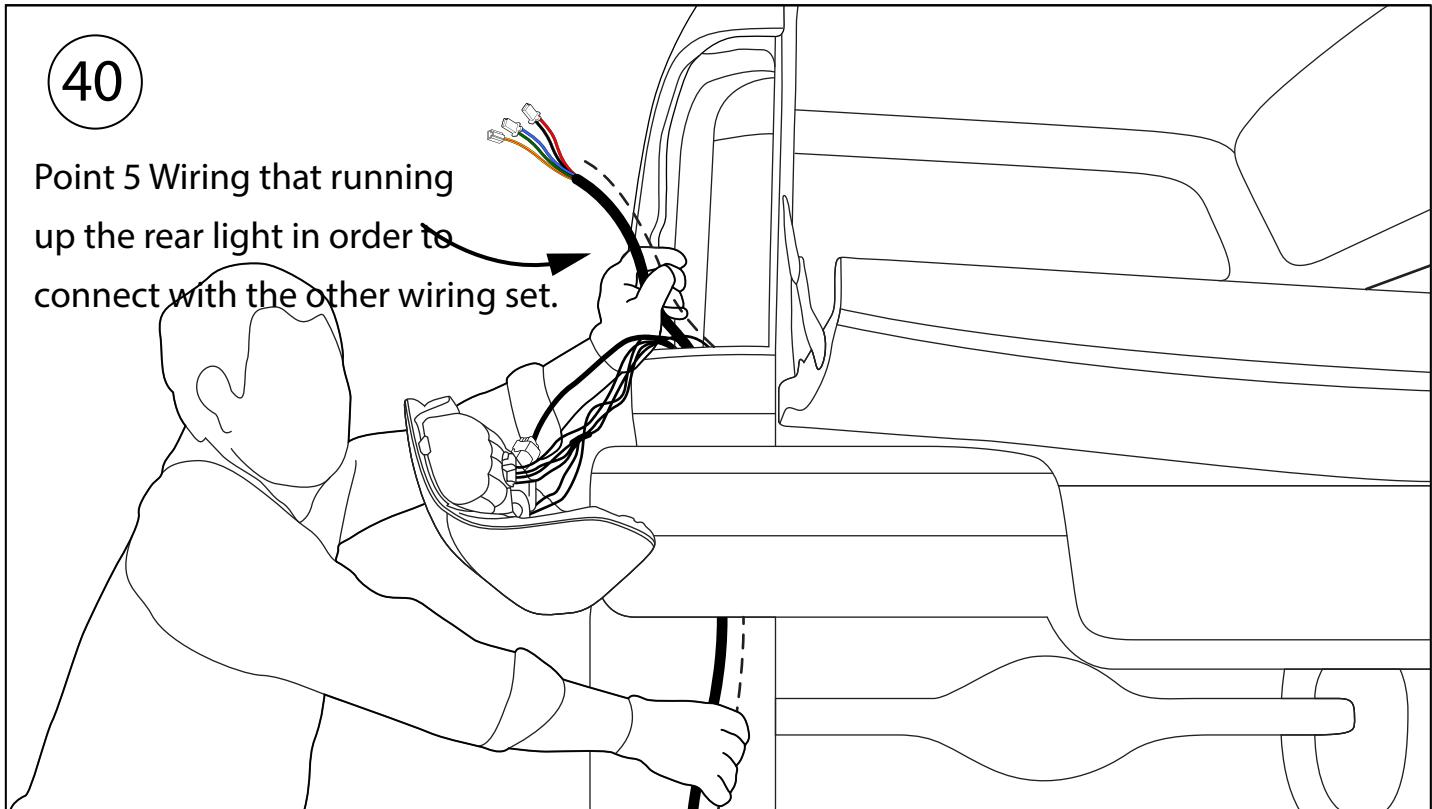


Take off the Rear Light vehicle.



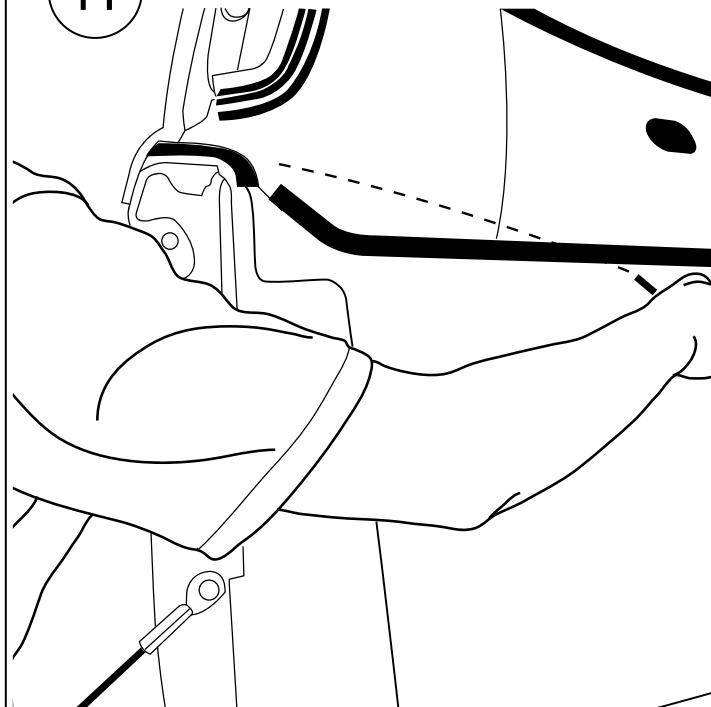
40

Point 5 Wiring that running up the rear light in order to connect with the other wiring set.



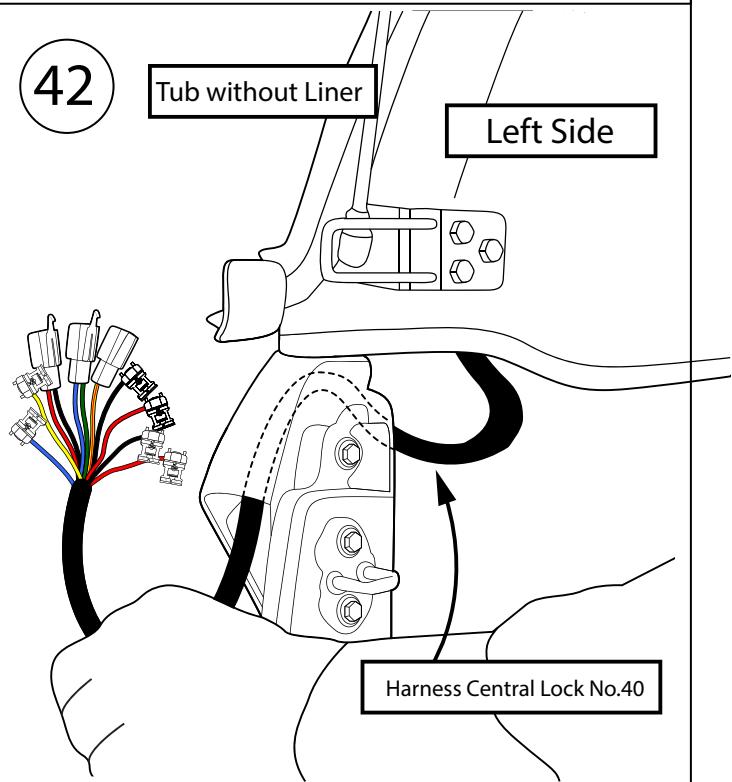
Running the Harness Central Lock No.38 up to the vehicle rear light in order to connects with the Harness Central Lock No.40.

41



Run the rod along the vehicle edge till the Rear vehicle light.

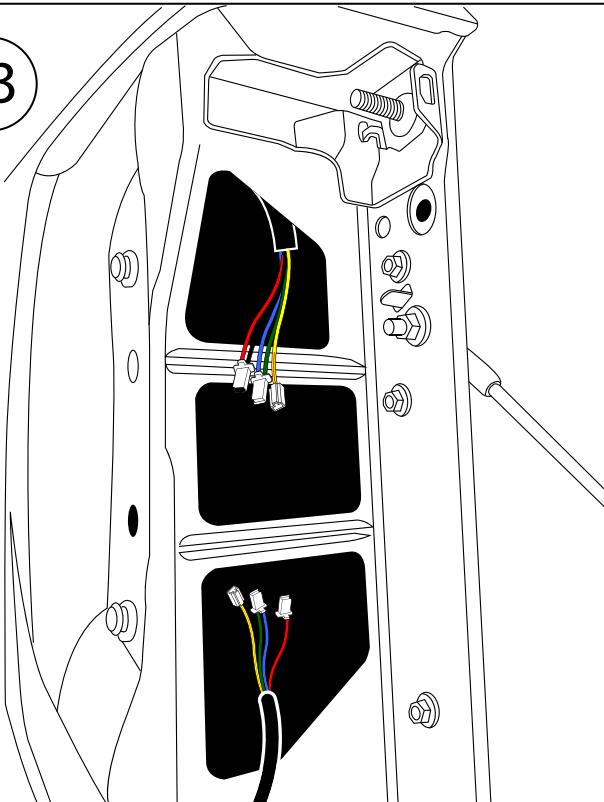
42



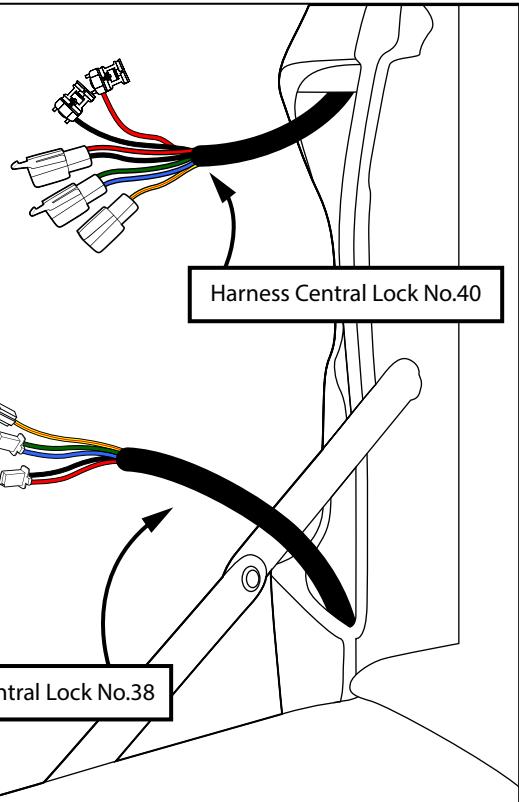
Run the Harness Central Lock No.40 along the vehicle tub channel out of the Rear Light Socket.



43

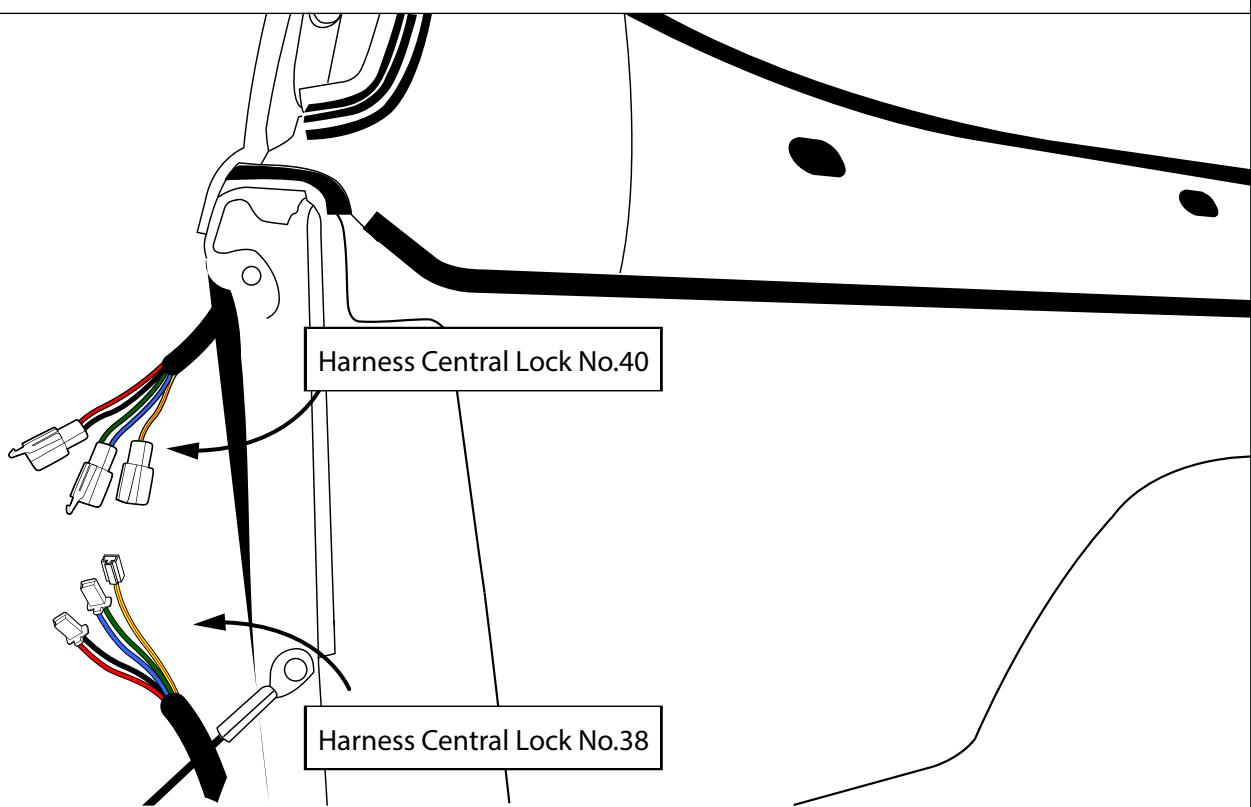


44



The Harness Central Lock No.40 wiring vehicle position and  
the Harness Central Lock No.38 wiring set.

45

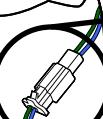


Re-assembly Harness Central Lock No.38 of all positions back to the spots.



46

Central Lock  
Wire Connect



Harness Central  
Lock No.40  
Harness Central  
Lock No.38

47

Room Lamp  
Wire Connect

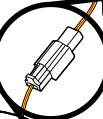
Room Lamp  
No.40  
Room Lamp  
No.38

The Process of Connecting Central Lock (BL,DG)  
Wiring of the Harness Central lock NO.40 With the Central Lock  
(BL,DG) Wiring of the Harness Central lock NO.38

The Process of Connecting the Room Lamp (RD,BK) Wiring  
Harness Central lock NO.40 With the Room Lamp (RD,BK) Wiring  
Harness Central lock NO.38

48

Defogger  
Wire Connect



Defogger  
No.40  
Defogger  
No.38

49

Third Brake Light  
Wire Connect Position

Connect Position

Harness Central Lock No.38

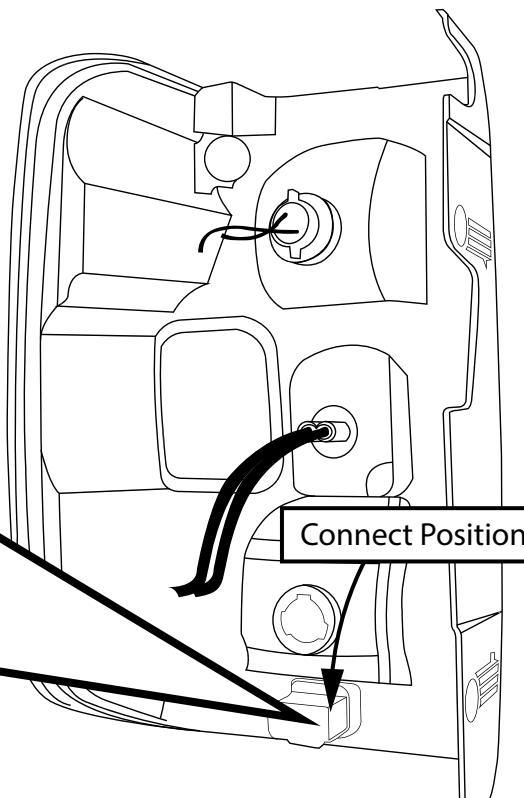
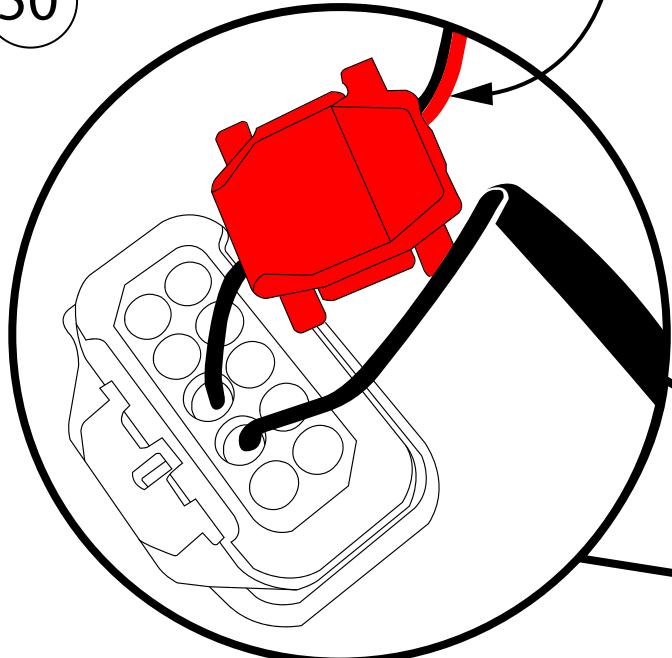
The Process of Connecting Central Lock (BL,DG) Wiring of  
the Harness Central lock NO.40 With the Central Lock (BL,DG) AC  
Wiring of the Harness Central lock NO.38

The position of connecting the Red and Black Wiring of the Third  
Brake Light (RD,BK) circuit of the Harness Central Lock No.38 with  
the vehicle rear light.



50

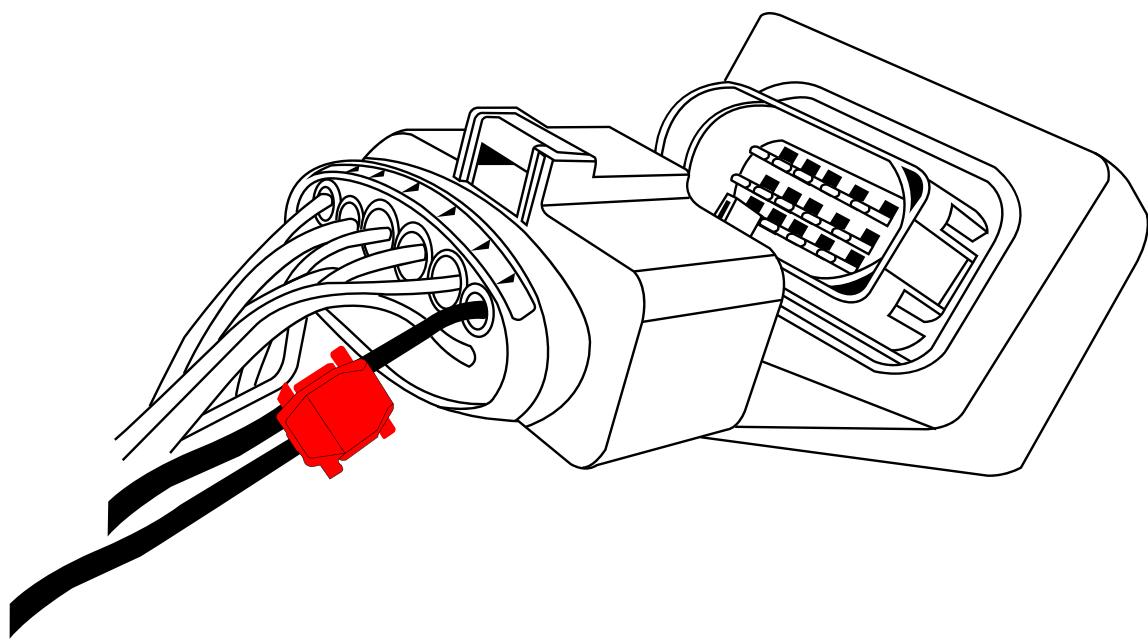
Harness Central Lock No.32



Connect the Red wiring, third Brake Light ( RD ) of the Harness Central Lock No.38 with the Black Brake Light Wiring on the Left Side of the Rear vehicle light.

51

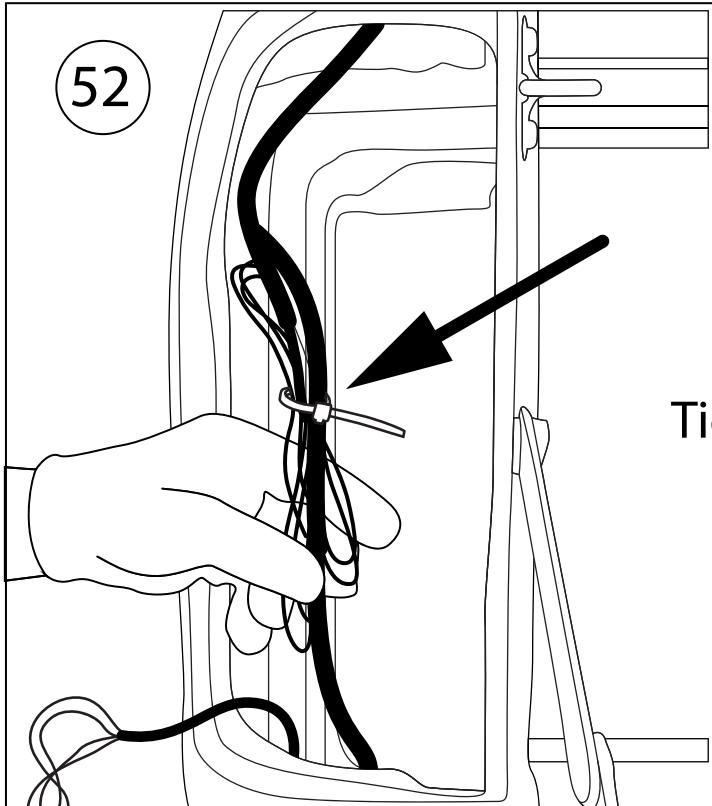
## WILDTRAK



Connect Position Wiring Brake Light ( Wildtrak )

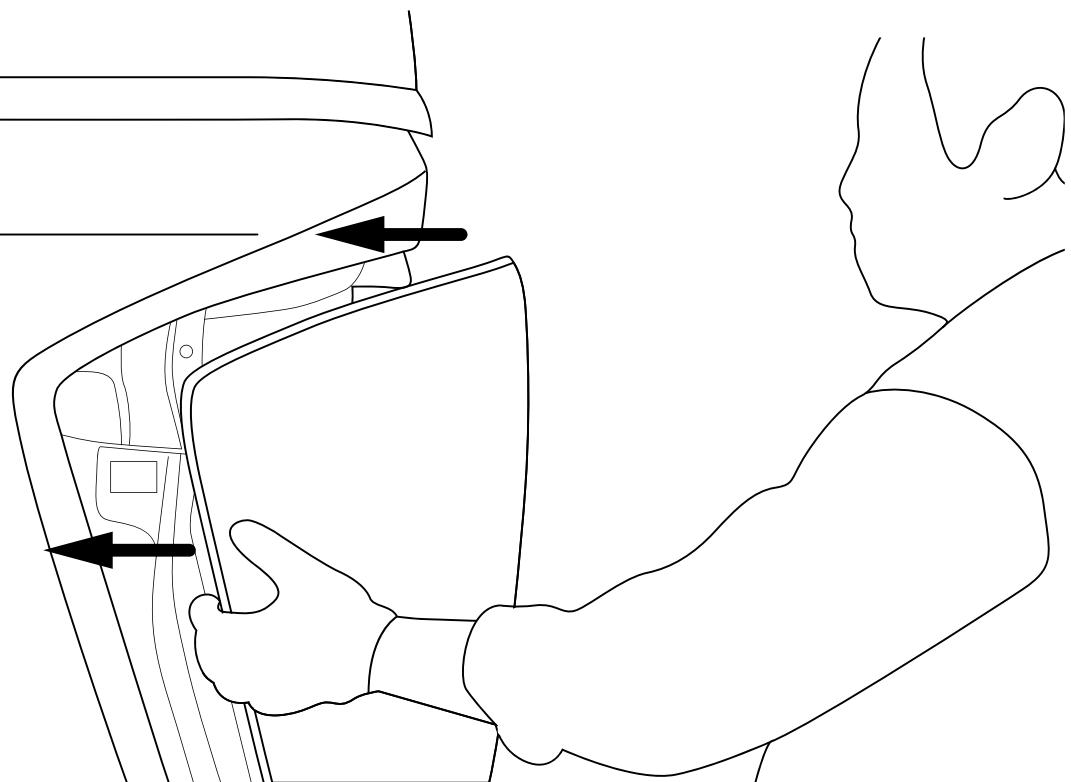


52



Tight up all the wiring by using  
the Cable Tie

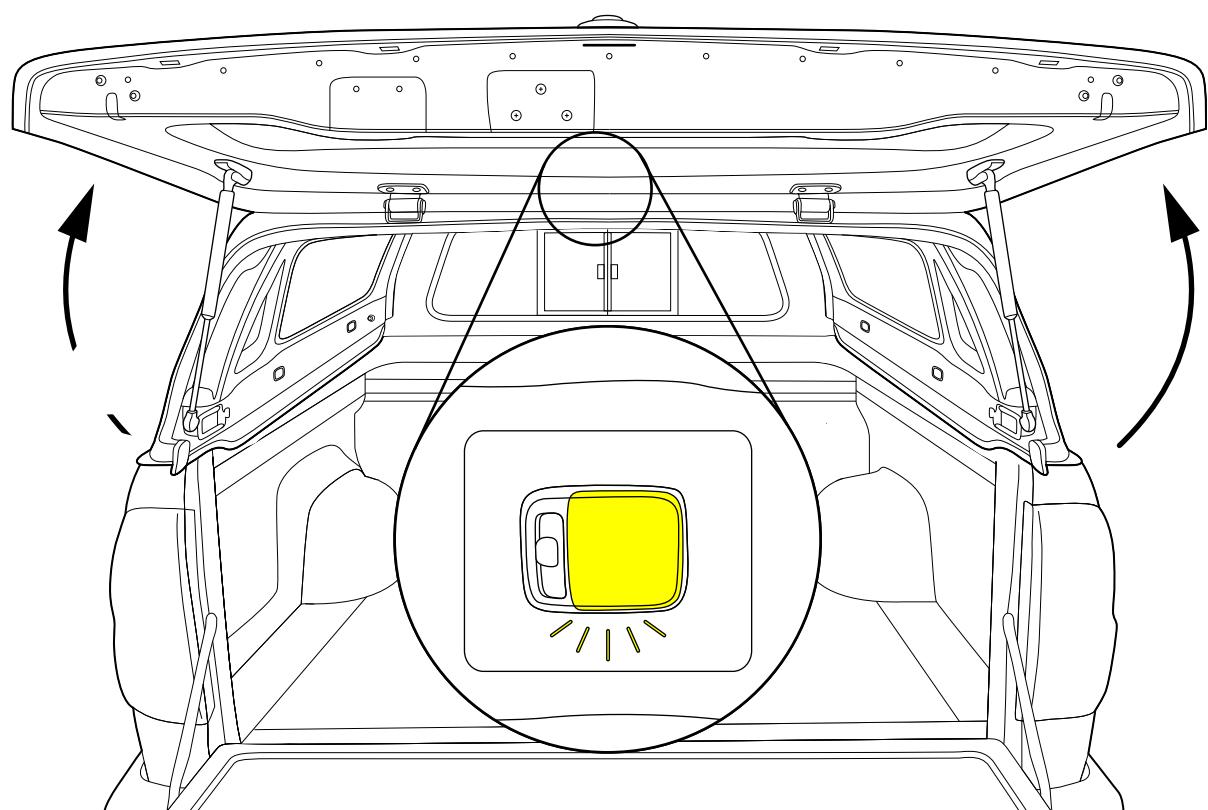
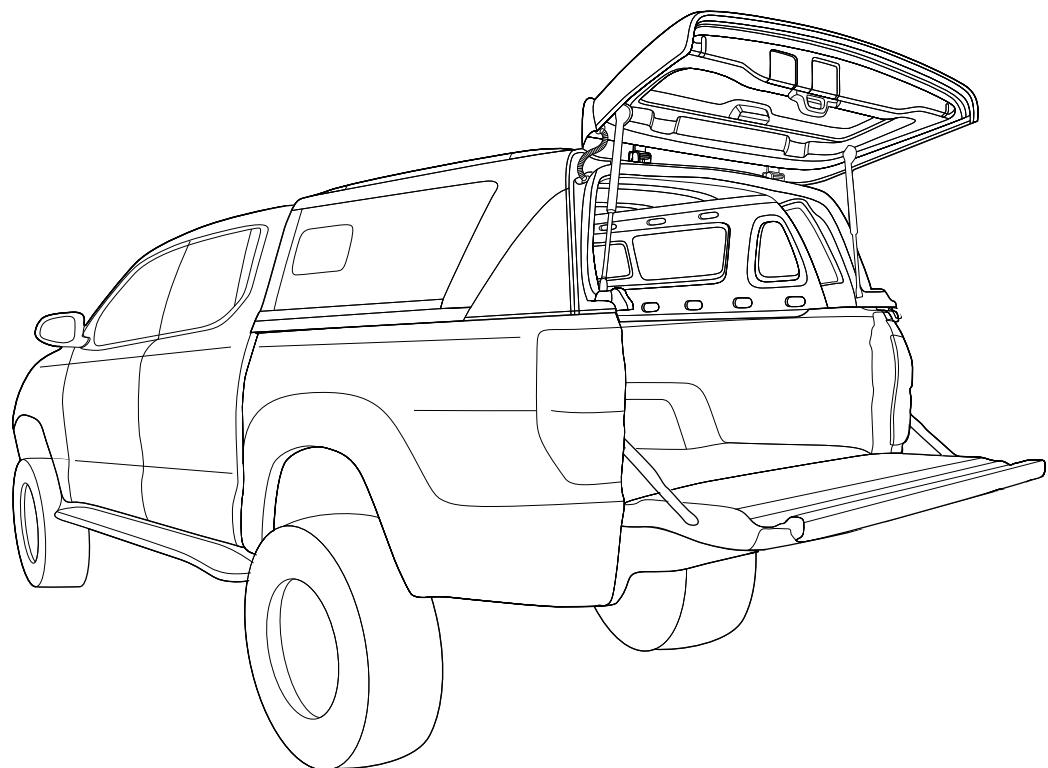
53



Take off the Rear Light vehicle.



54



Room Lamp checking by opening the rear door then  
the Room Lamp will be on.



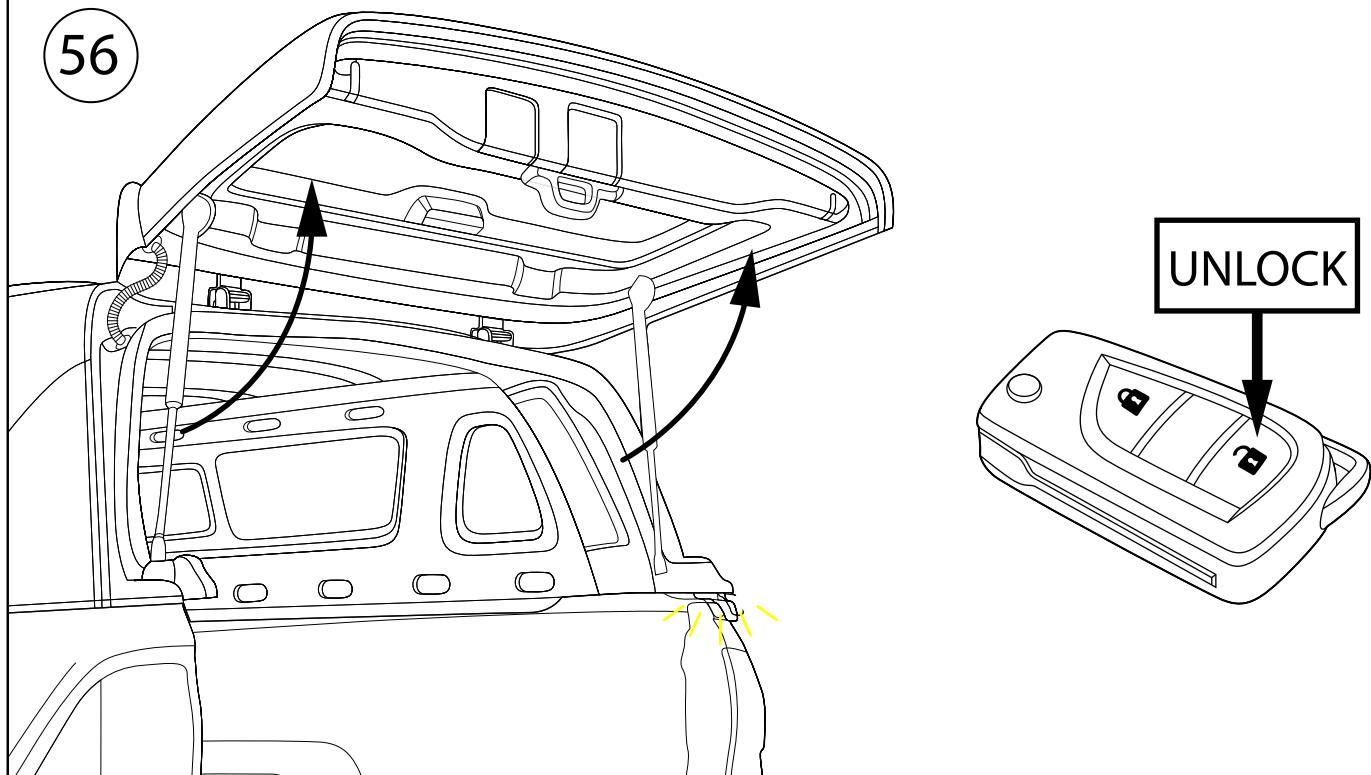
55

Check the Central Lock / Room Lamp working.



Central Lock checking by pressing the vehicle remote key at the Lock position, Canopy will be lock and cannot open.

56



Central Lock checking by pressing the vehicle remote key at the Unlock position, Canopy will be open.

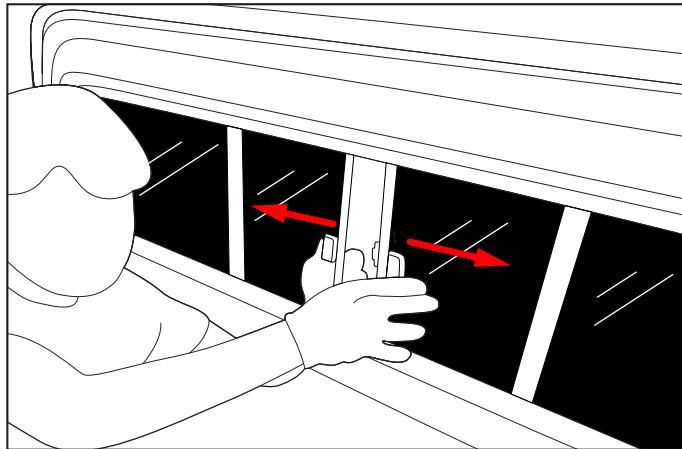


**SAMMITR**

**Opening Function of all  
canopy model**

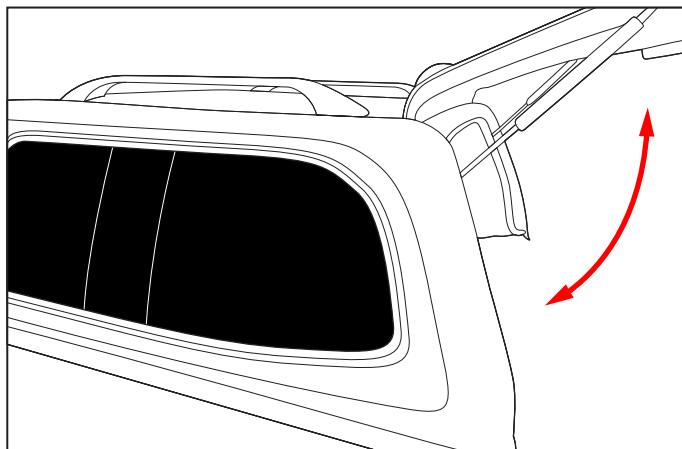
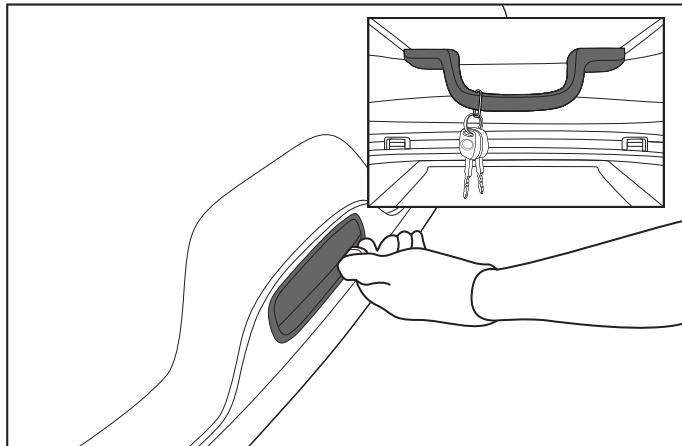


Front Window function usages will be the same for all model, V2, V4 and TL1.

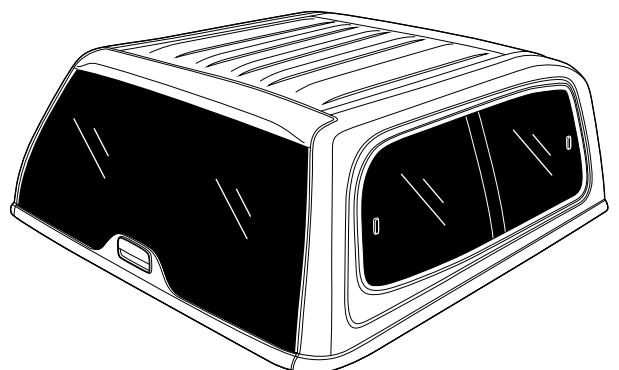


Use the key is unlock function will be the same for all model, V2, V4 and TL1.

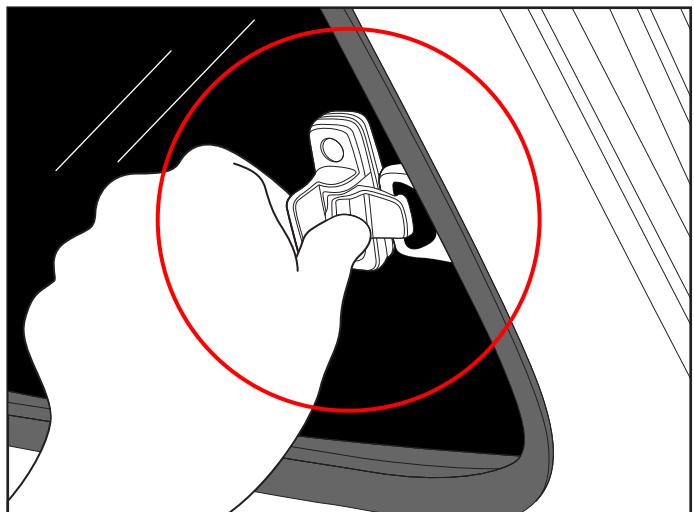
Open the backdoor function are different.



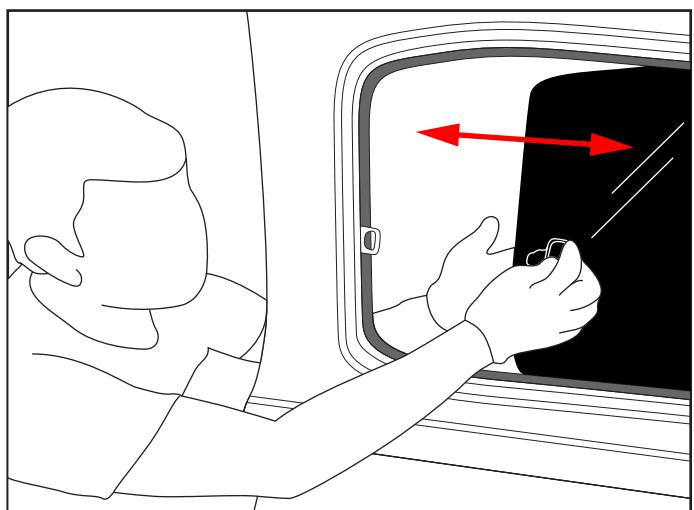
User manual



Slide Window (Left-Right)



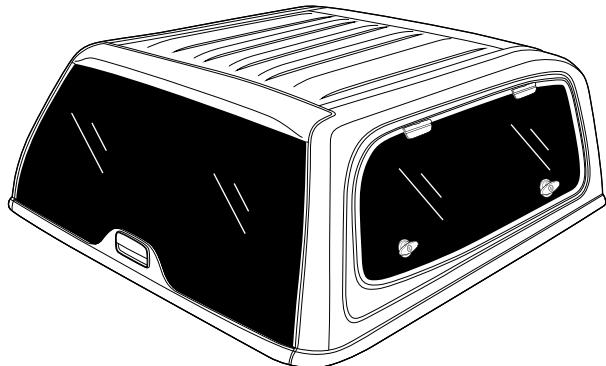
Squeeze the lock side to open.



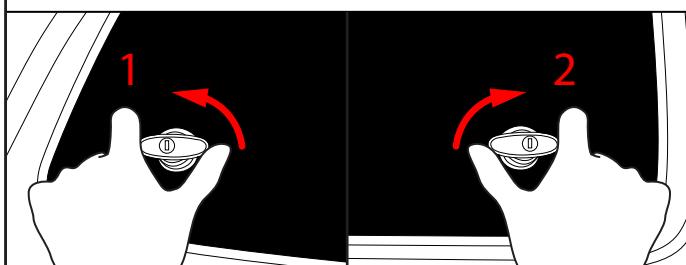
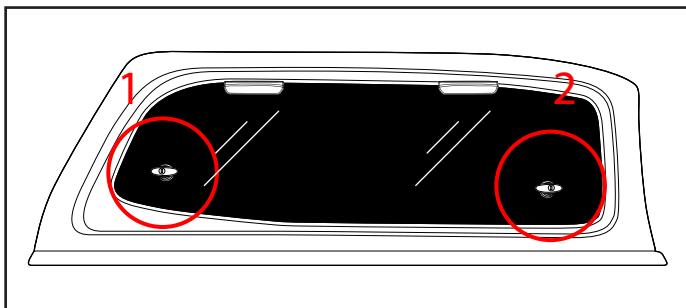
The Picture shows how to open the side window.



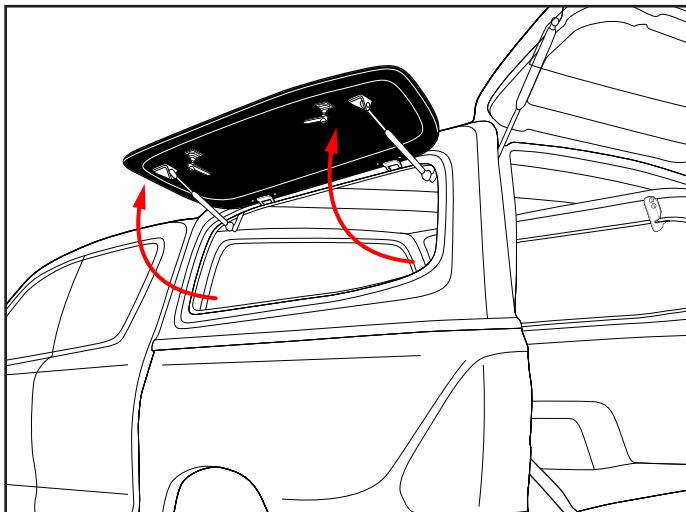
## User manual



Glass Birdwing Window Left-Right  
(Handle Lock)

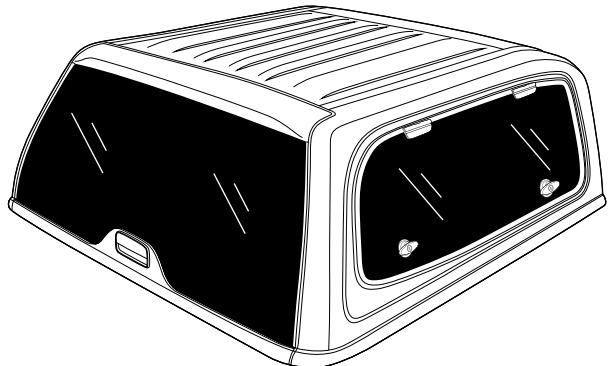


Turn around the canopy lock as shown in picture to open the side window.

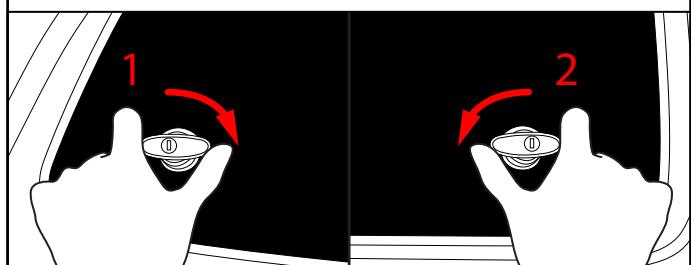
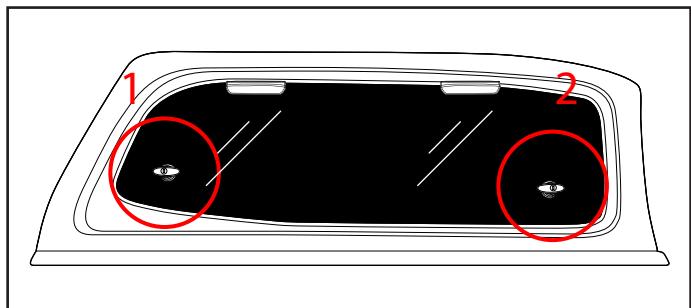


Picture shows how to open the side window.

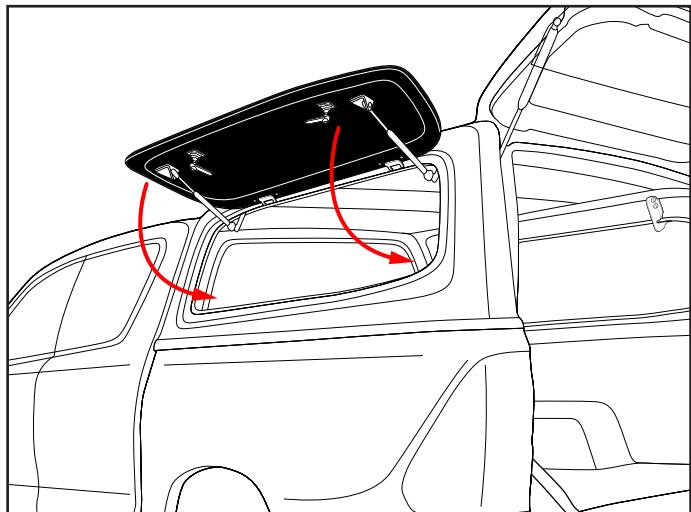
## User manual



Glass Birdwing Window Left-Right  
(Handle Lock)



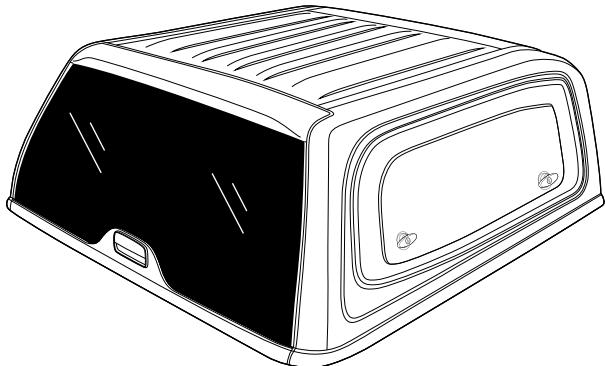
Turn around the canopy lock as shown in picture to close the side window.



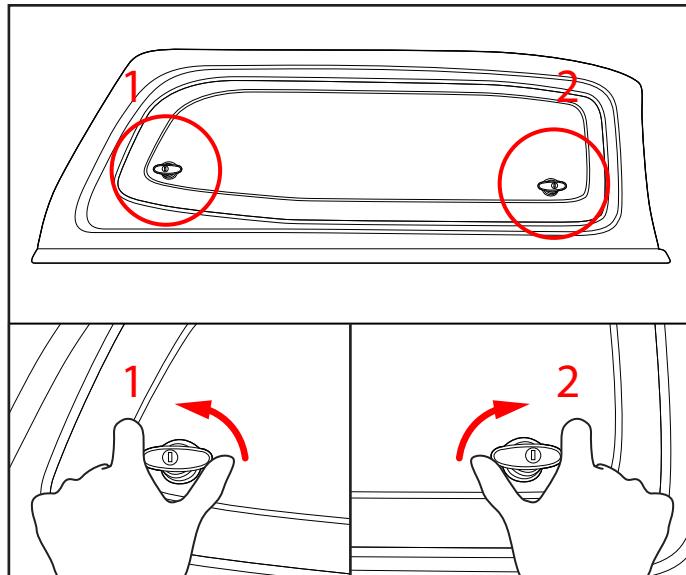
Picture shows how to close the side window.



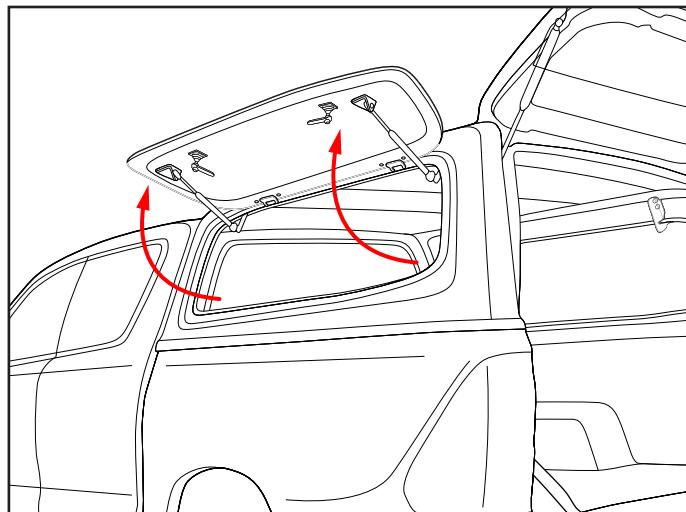
## User manual



Solid Birdwing Window Left-Right  
(Handle Lock)

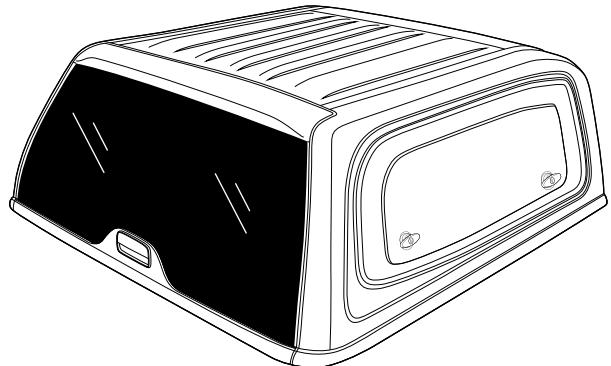


Turn around the canopy lock as shown in picture to open the side window.

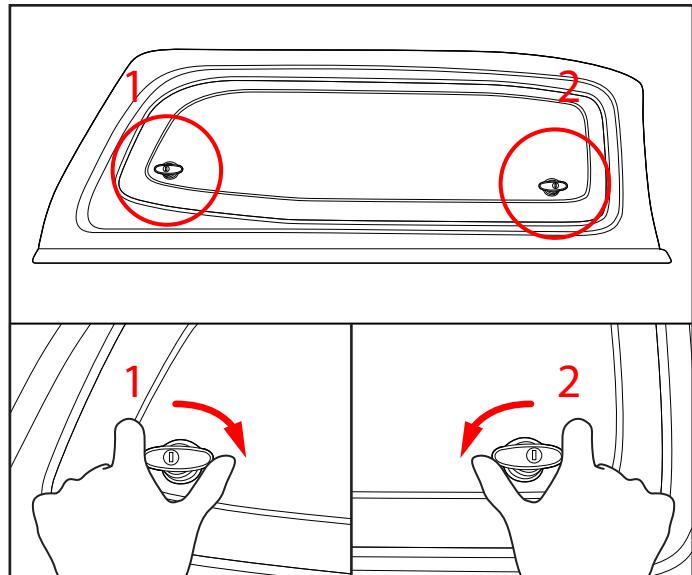


Picture shows how to open the side window.

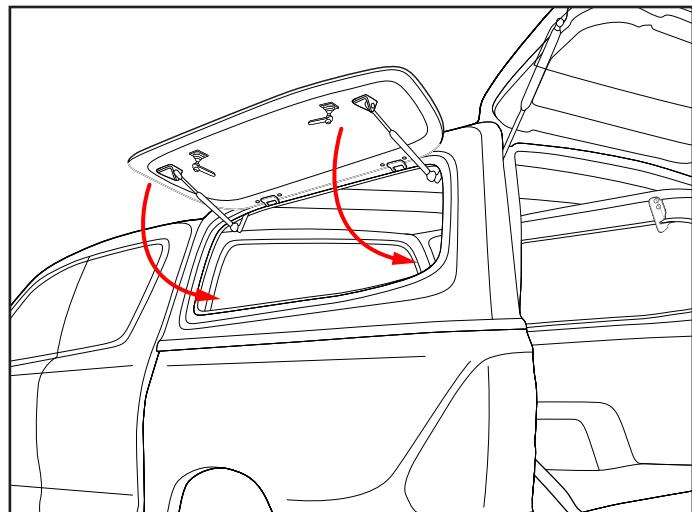
## User manual



Solid Birdwing Window Left-Right  
(Handle Lock)



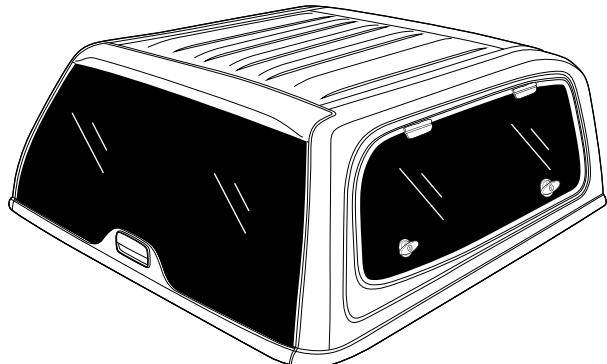
Turn around the canopy lock as shown in picture to close the side window.



Picture shows how to close the side window.

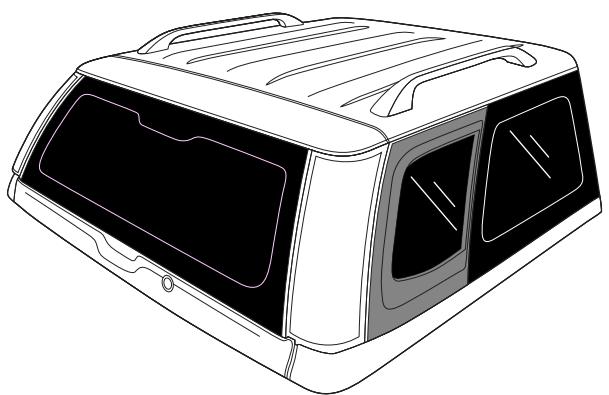


## User manual

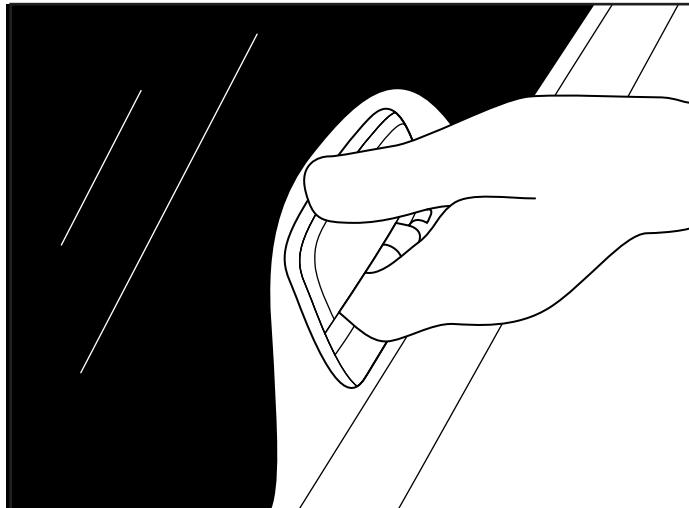


Backdoor

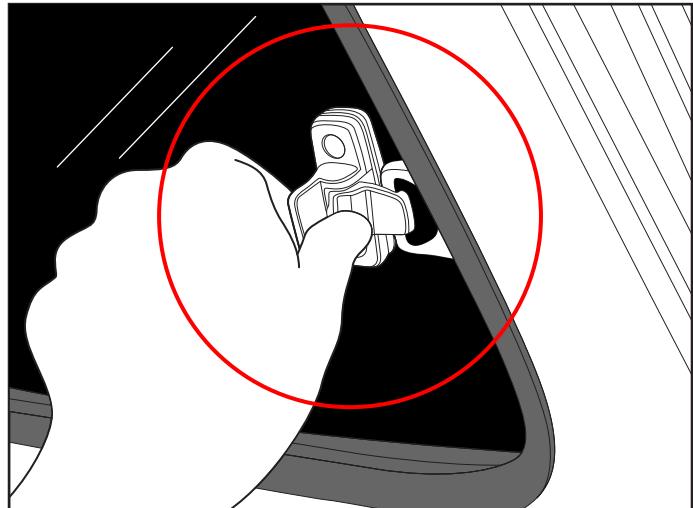
## User manual



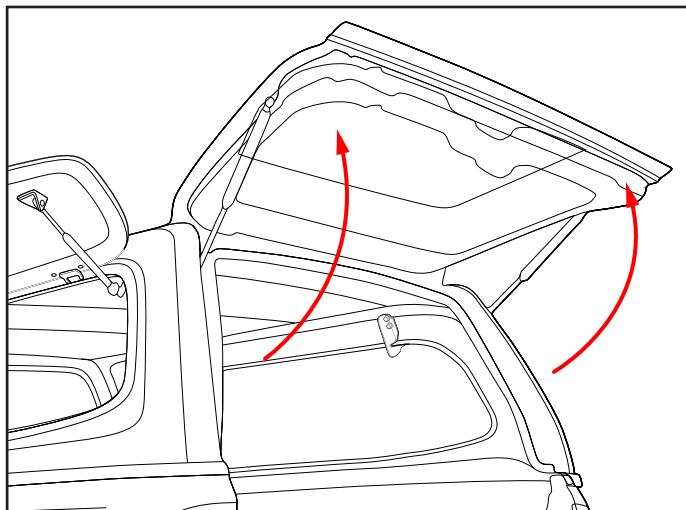
Slide Window (Left-Right)



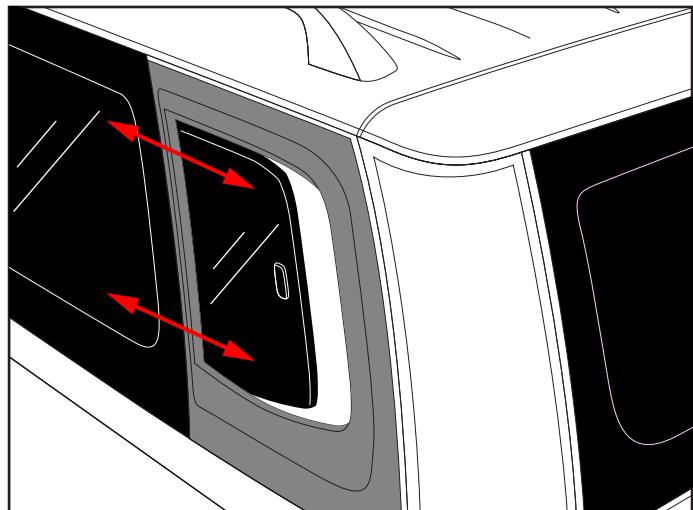
Use the handle as shown in picture to open the backdoor.



Squeeze the lock side to open.



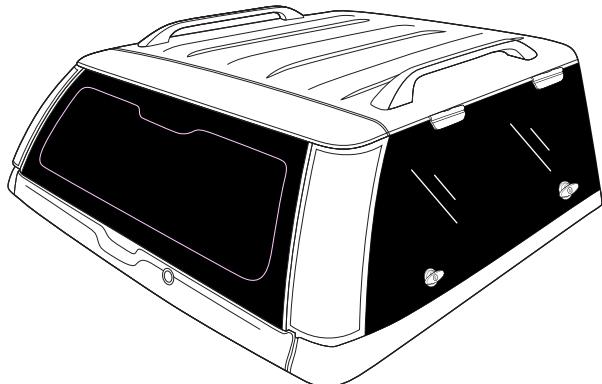
The Picture shows how to open the backdoor.



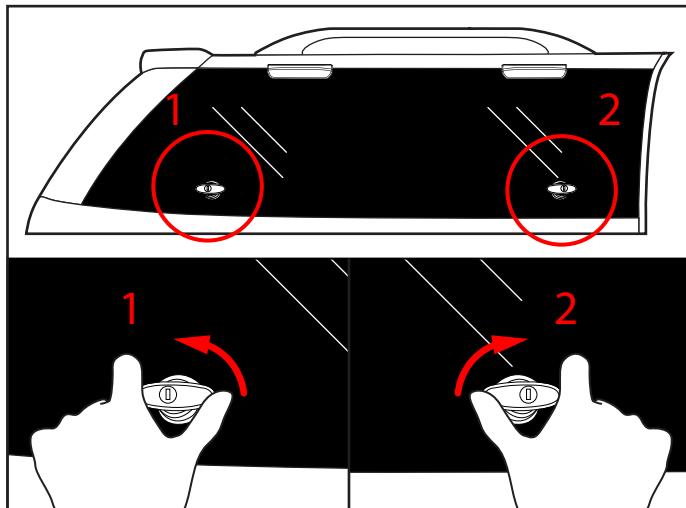
The Picture shows how to open the side window.



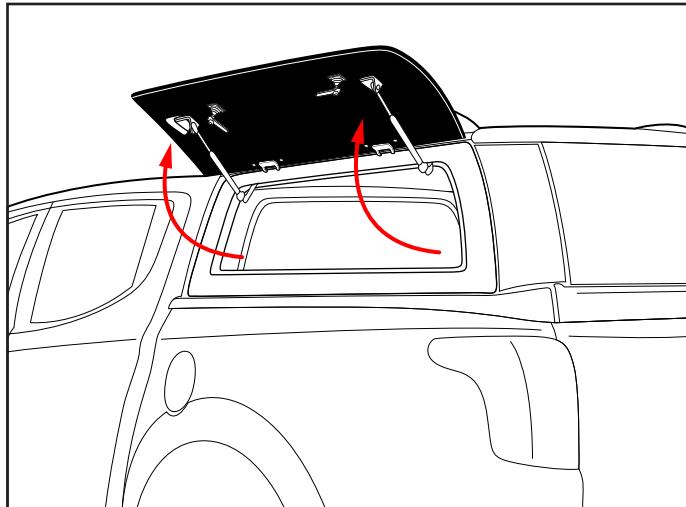
## User manual



Glass Birdwing Window Left-Right  
(Handle Lock)

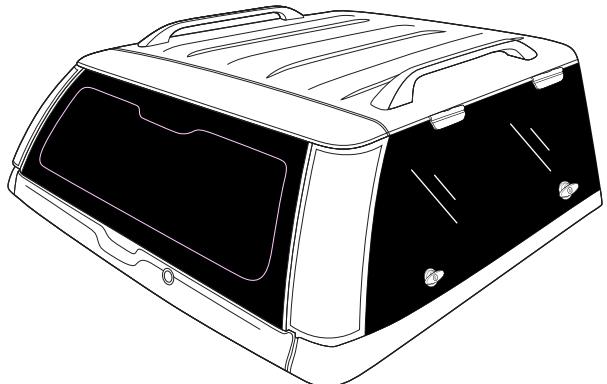


Turn around the canopy lock as shown in picture to open the side window.

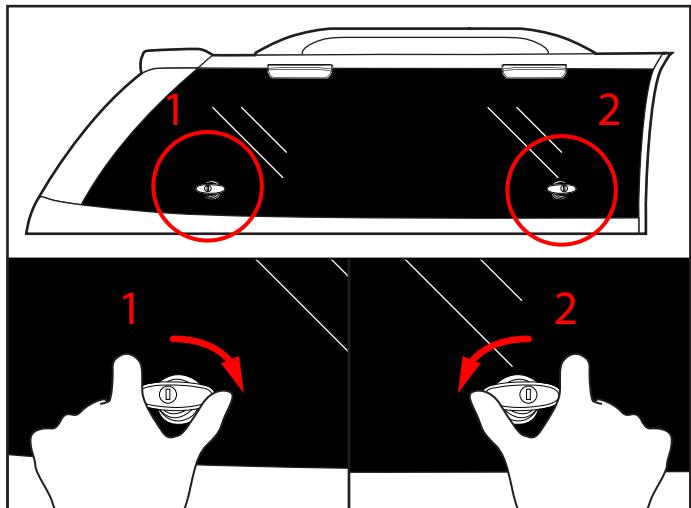


Picture shows how to open the side window.

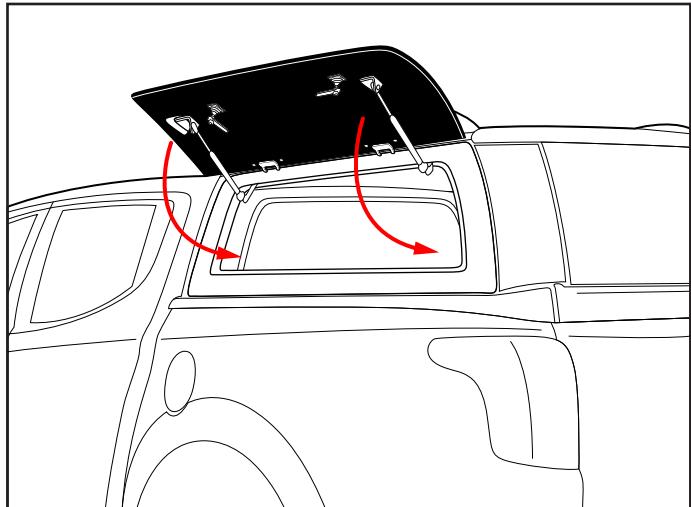
## User manual



Glass Birdwing Window Left-Right  
(Handle Lock)



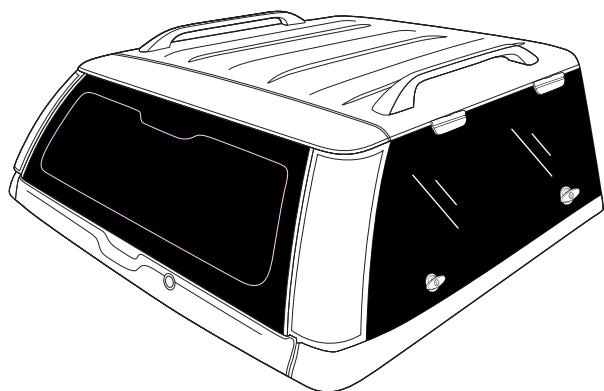
Turn around the canopy lock as shown in picture to close the side window.



Picture shows how to close the side window.

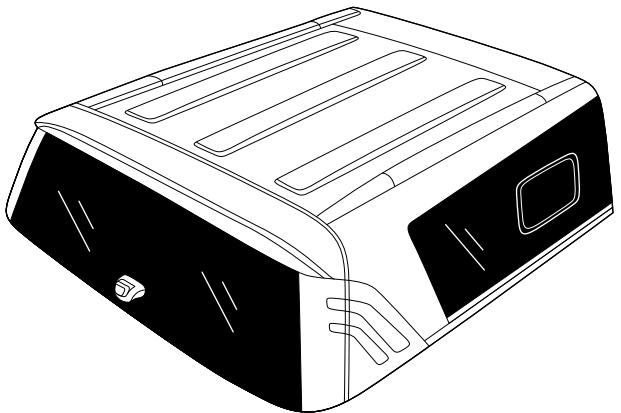


## User manual

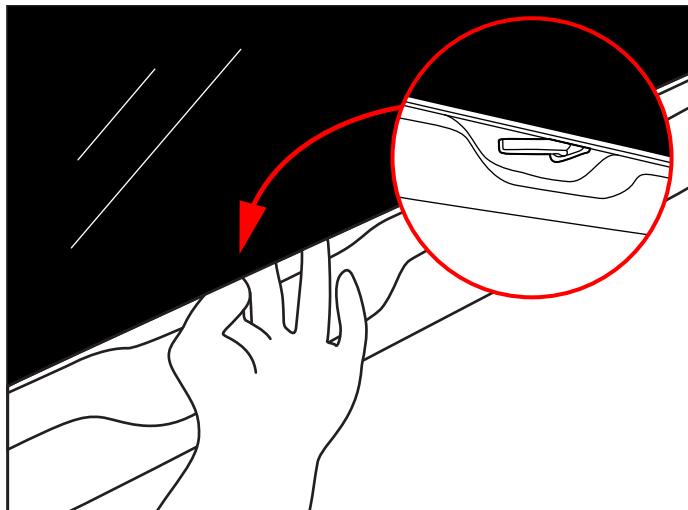


Backdoor

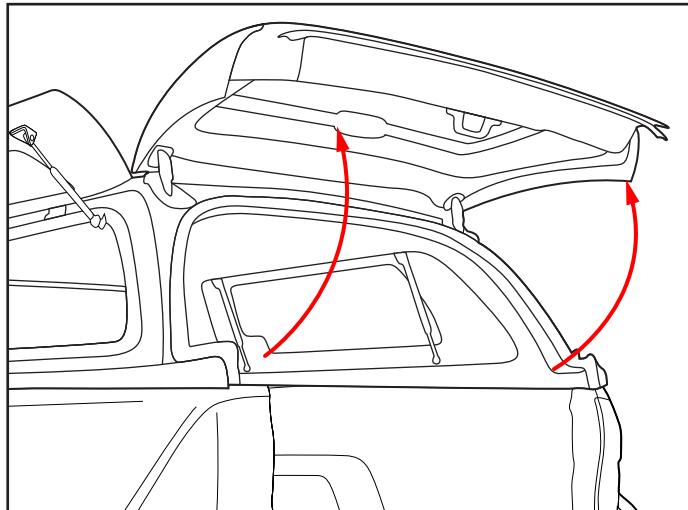
## User manual



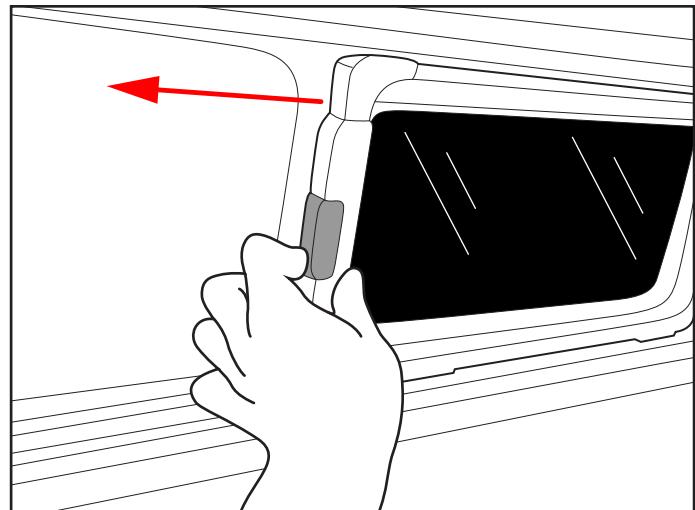
Slide Window (Left-Right)



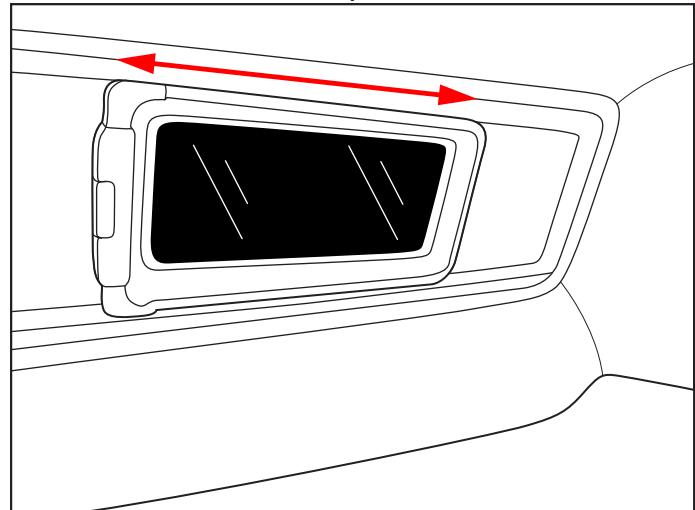
Pull the stick of handle to open the back door.



The Picture shows how to open the backdoor.



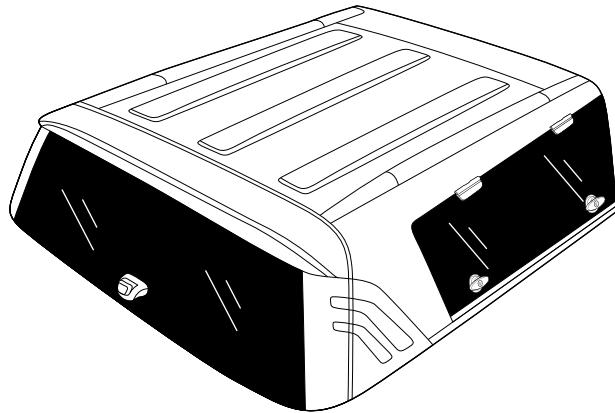
Push the button in side canopy and slide back to open.



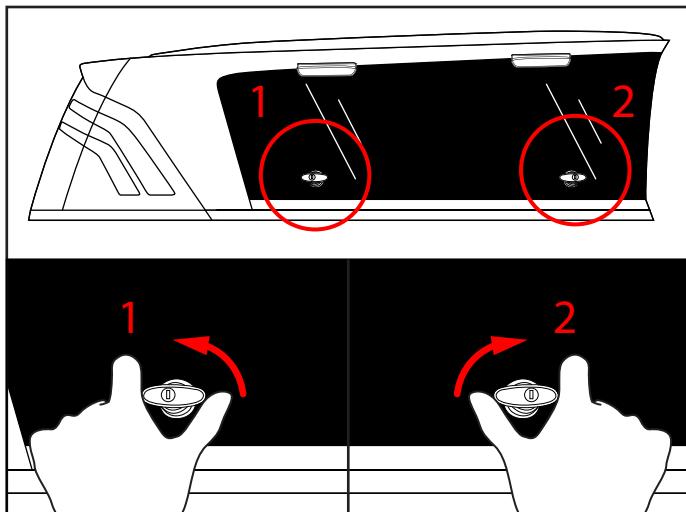
Picture shows how to open the side window from inside.



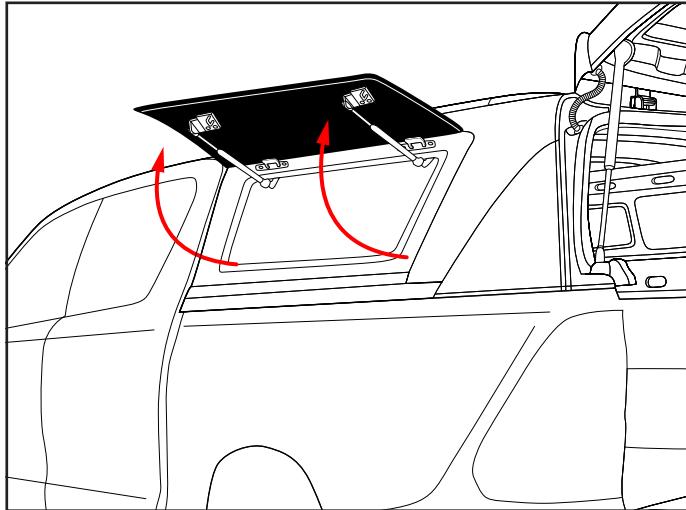
## User manual



Glass Birdwing Window Left-Right  
(Handle Lock)

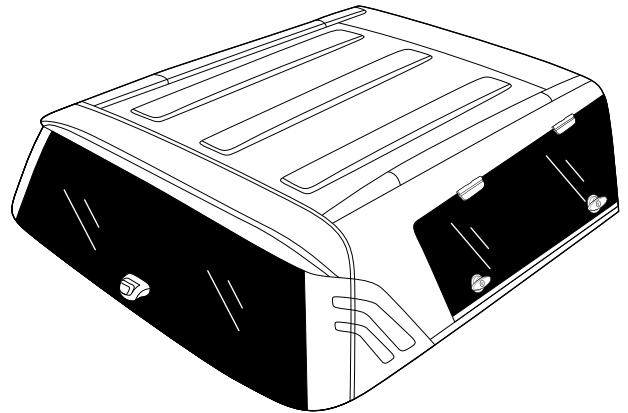


Turn around the canopy lock as shown in picture to open the side window.

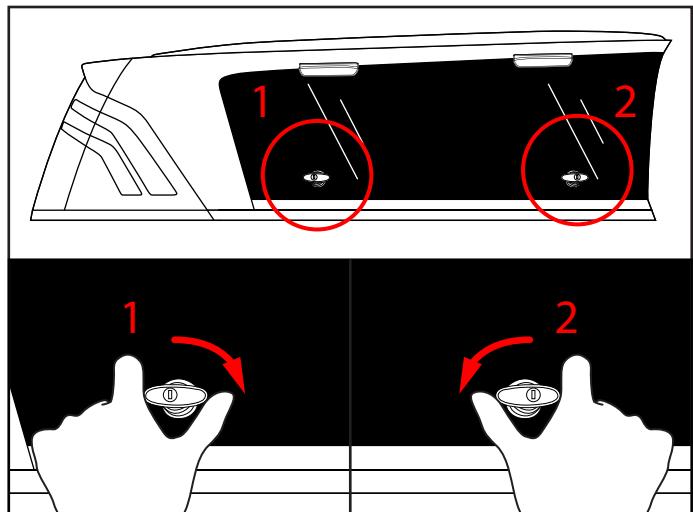


Picture shows how to open the side window.

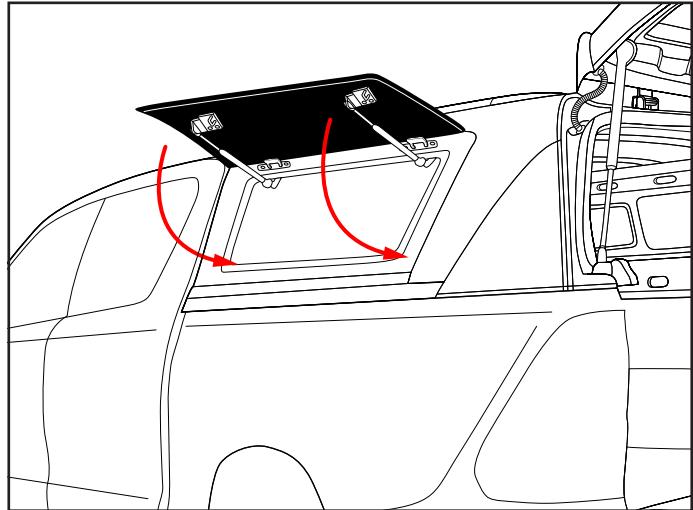
## User manual



Glass Birdwing Window Left-Right  
(Handle Lock)



Turn around the canopy lock as shown in picture to close the side window.

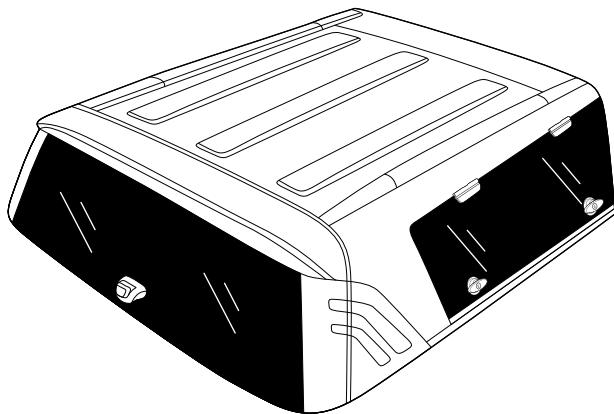


Picture shows how to close the side window.

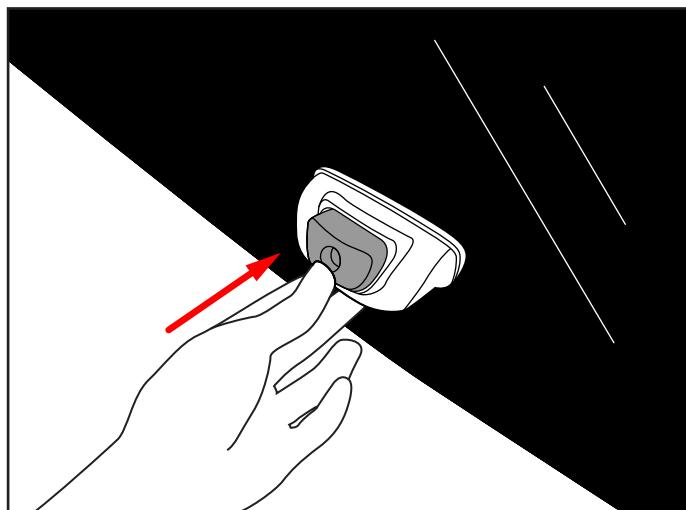


# SAMMITR

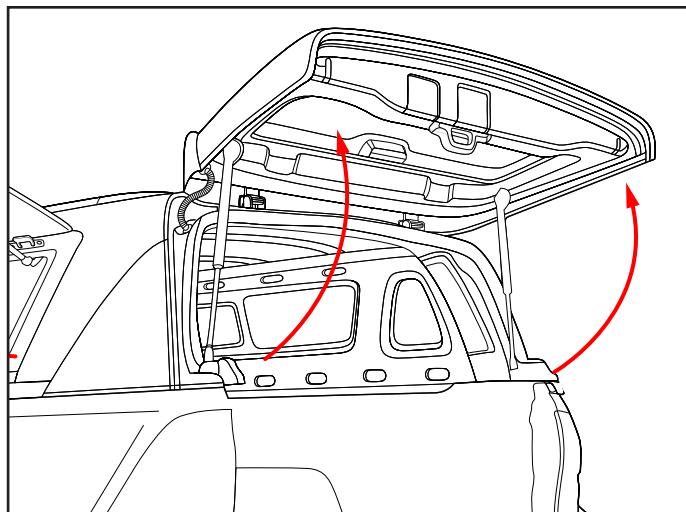
User manual



Backdoor



Push the button to open the back door.



The Picture shows how to open the backdoor.