

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

Version 1.0



**SAMMITR**

# Mechanical Installation Manual for

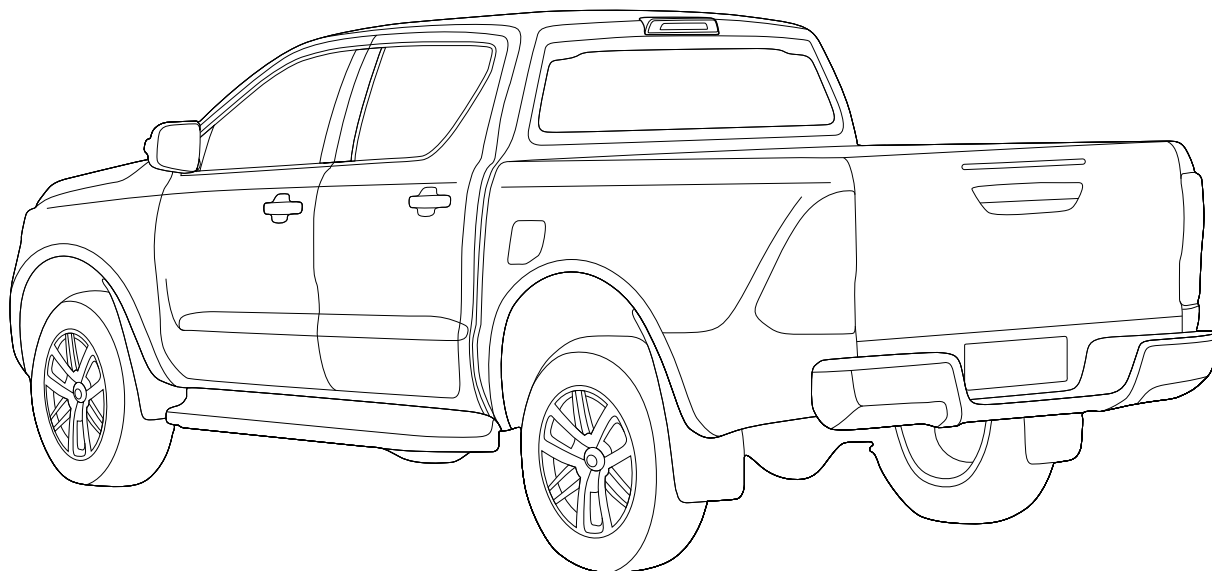
## Toyota Hilux Revo



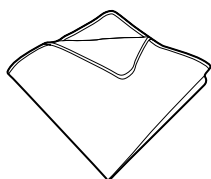


## Mechanical Installation Manual For Toyota Hilux Revo

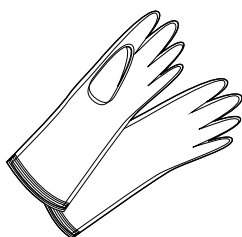
## Tailgate Lock



### EQUIPMENT

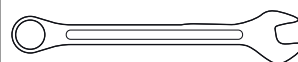


Fabric

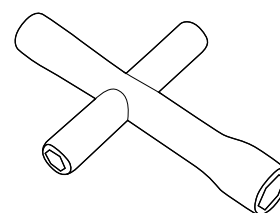


Handcover

### TOOL



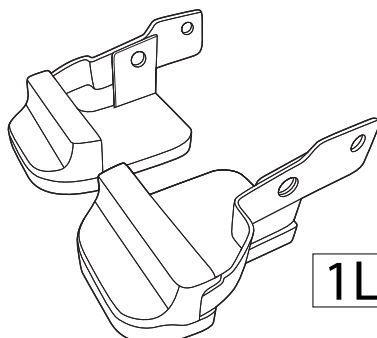
Wrench No.13



Hexagon Wrench No.13

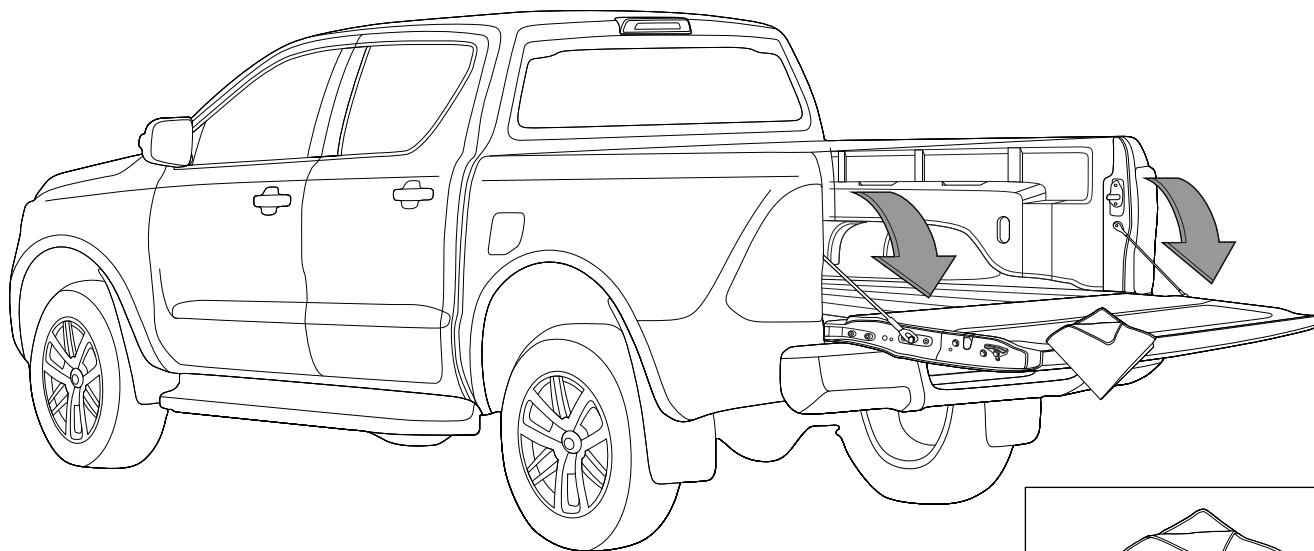
### TAILGATE LOCK

1R



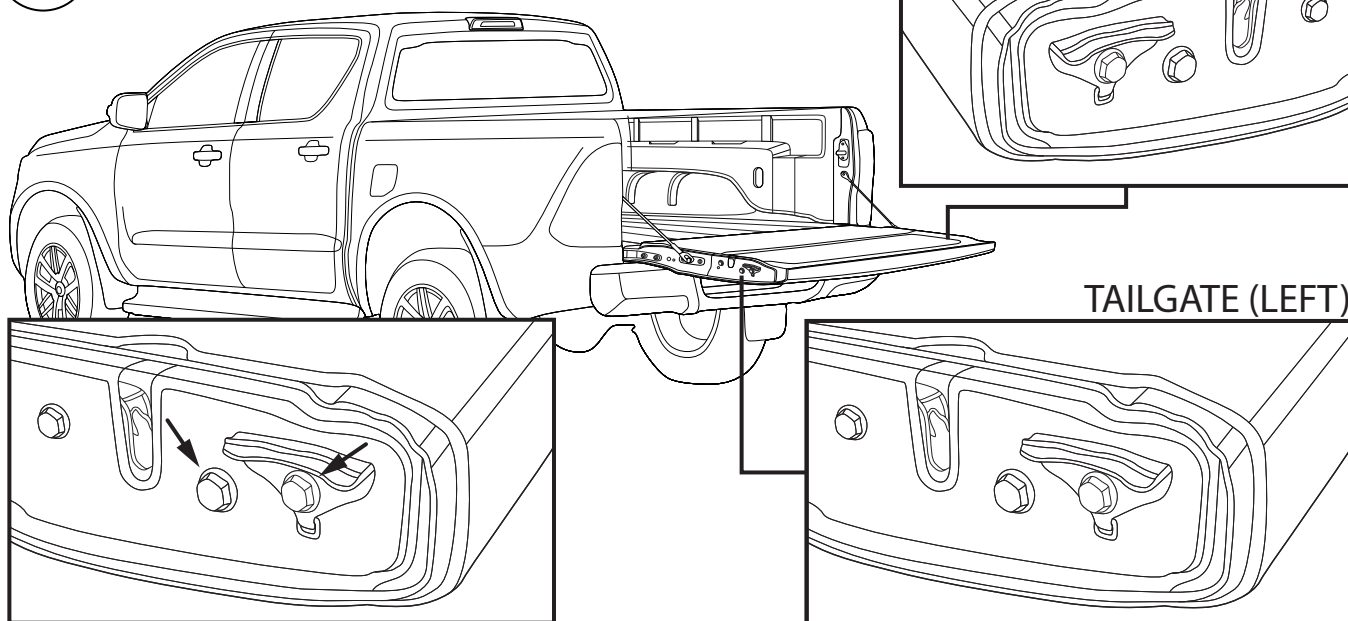
1L

1

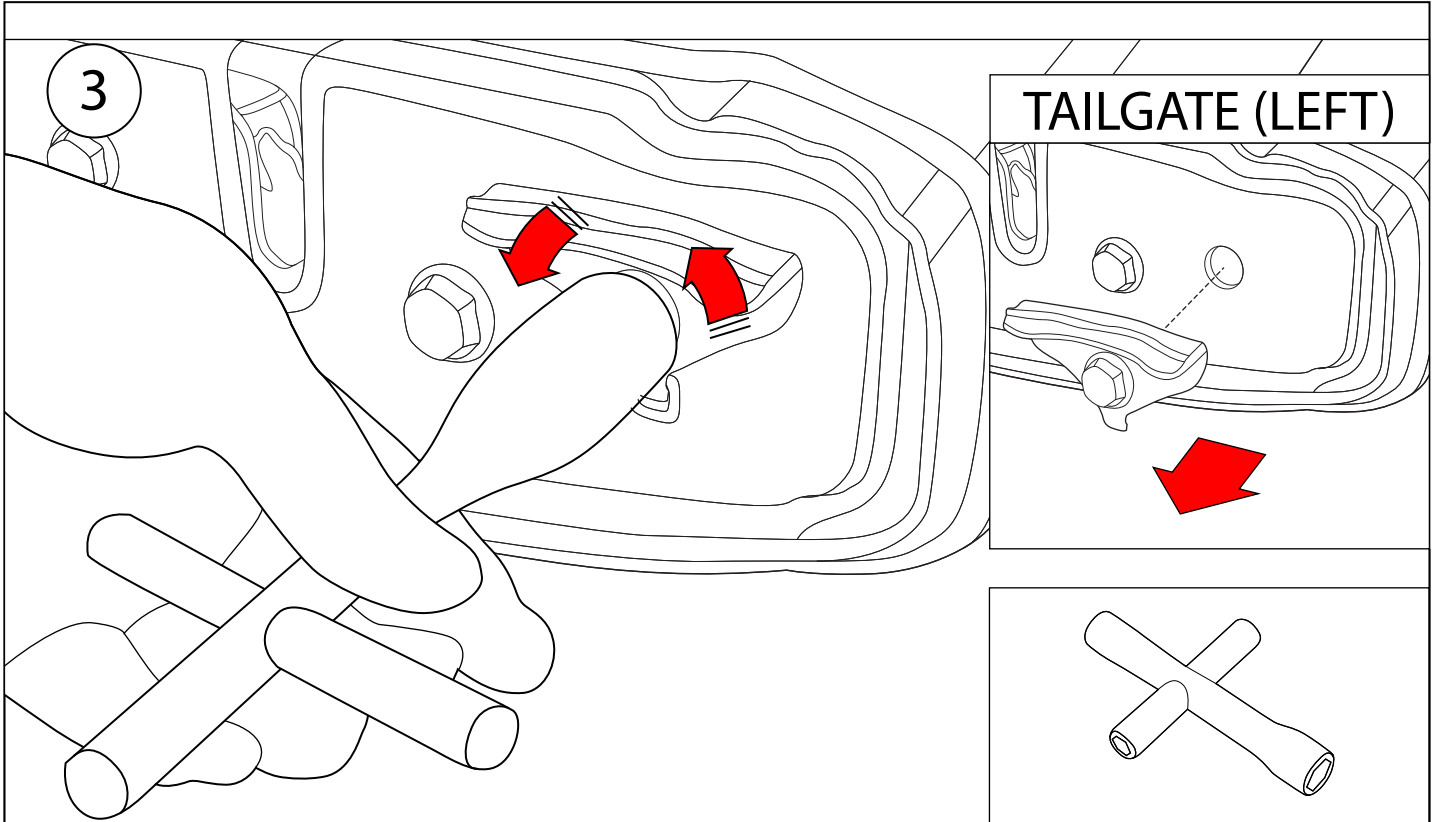


Clean the edge of tailgate.

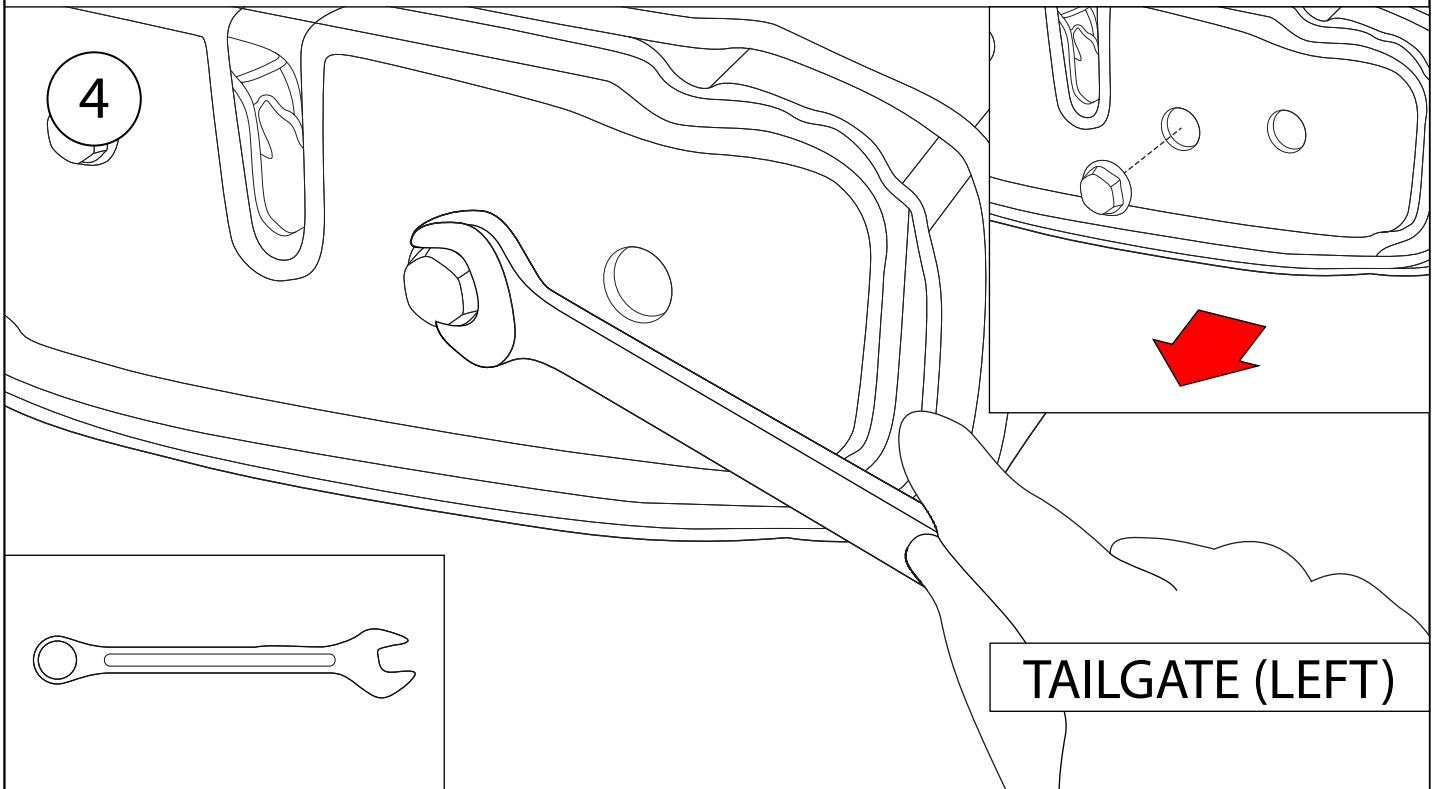
2



The position install of Lock Side.



Remove The Lock Side of tailgate. ( Left Side )



Remove The Bolt of tailgate. ( Left Side )

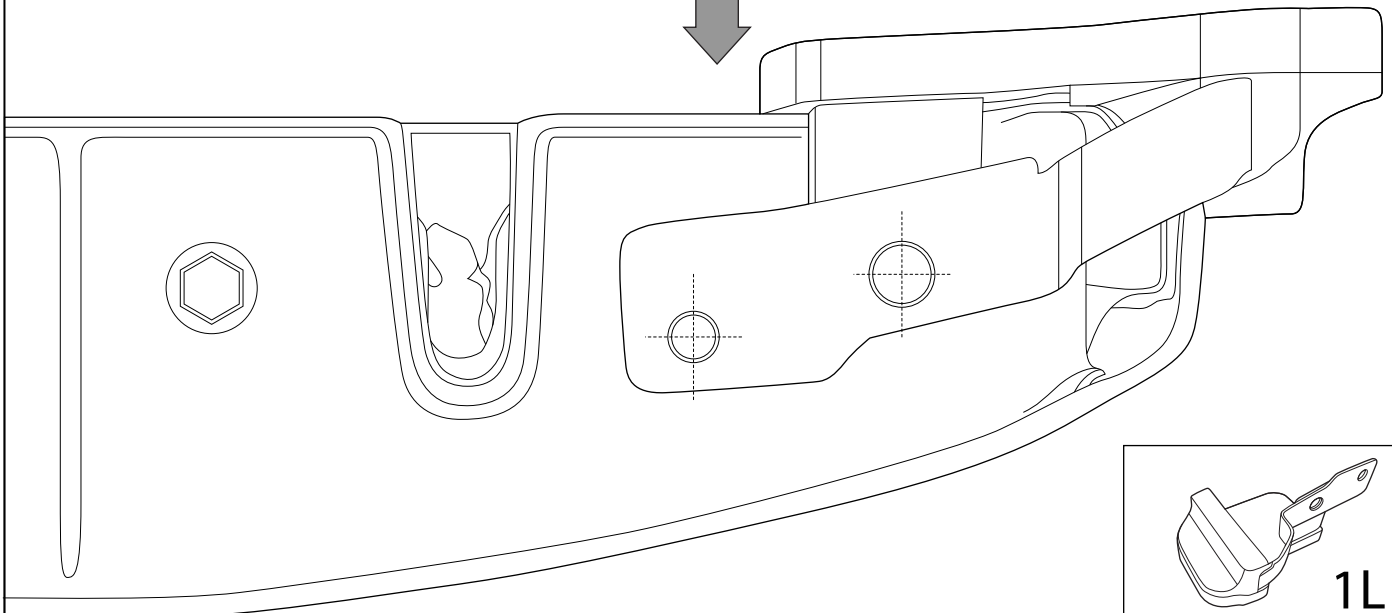




5

Press The Tailgate Lock attach to tailgate of the tab.

TAILGATE (LEFT)

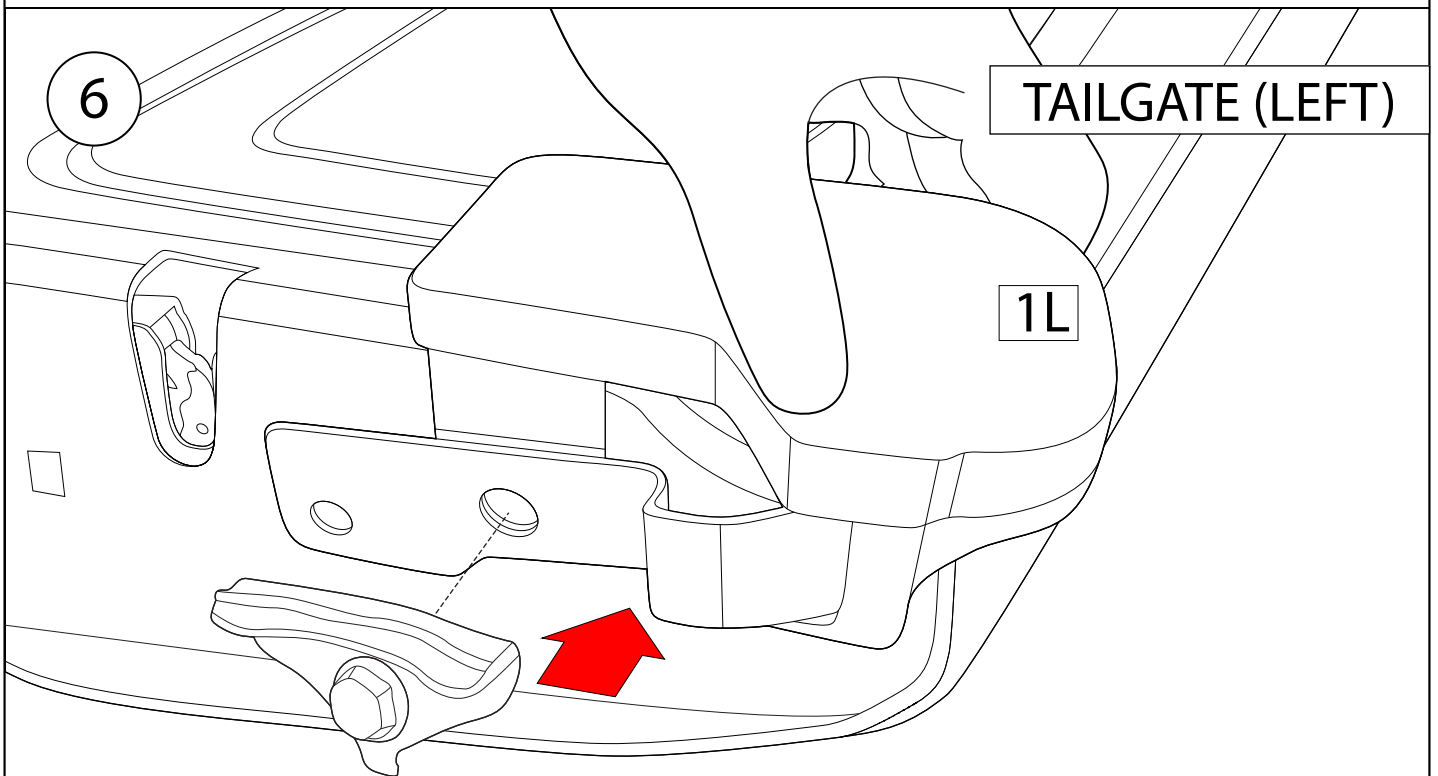


Alignment The Tailgate Lock.( Left Side )

6

TAILGATE (LEFT)

1L



Install The Lock Side and Tailgate Lock together.( Left Side )



1L

## Tighten Tailgate Lock bolts with the Wrench.( Left Side )



1L

### Tighten Tailgate Lock bolts with the Wrench.( Left Side )

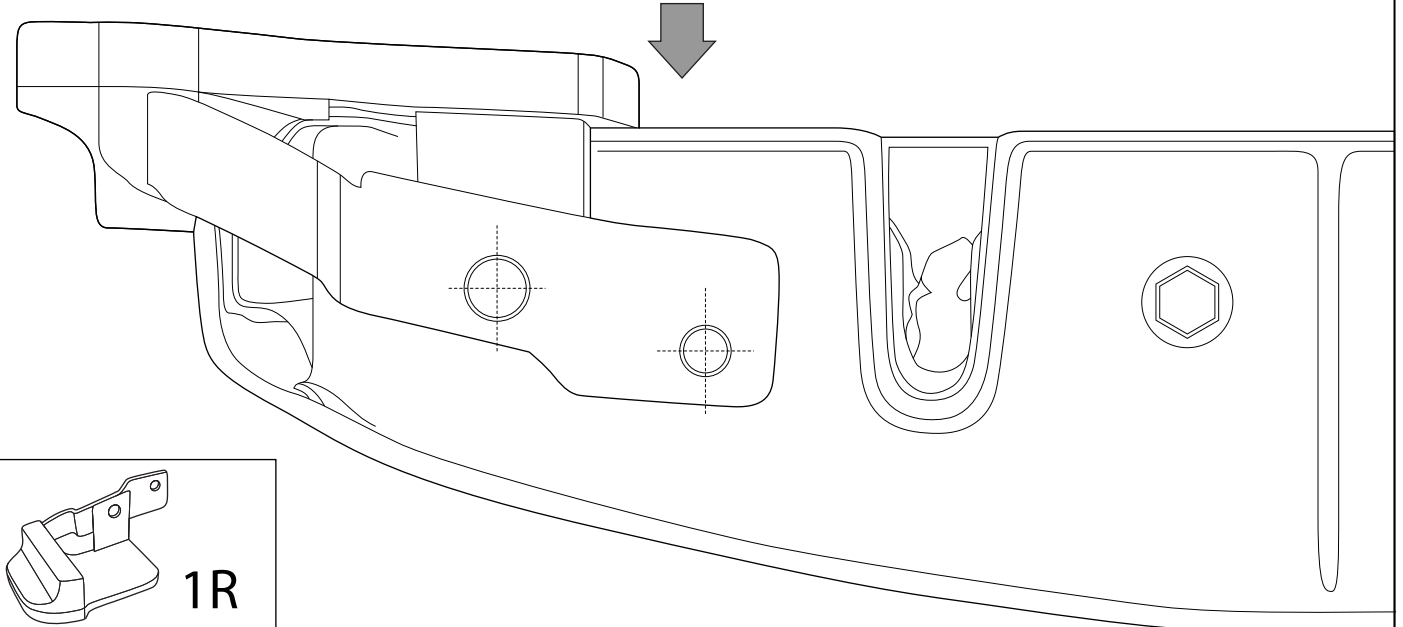




11

Press The Tailgate Lock attach to tailgate of the tab.

TAILGATE (RIGHT)

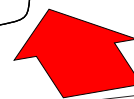


Alignment The Tailgate Lock.( Right Side )

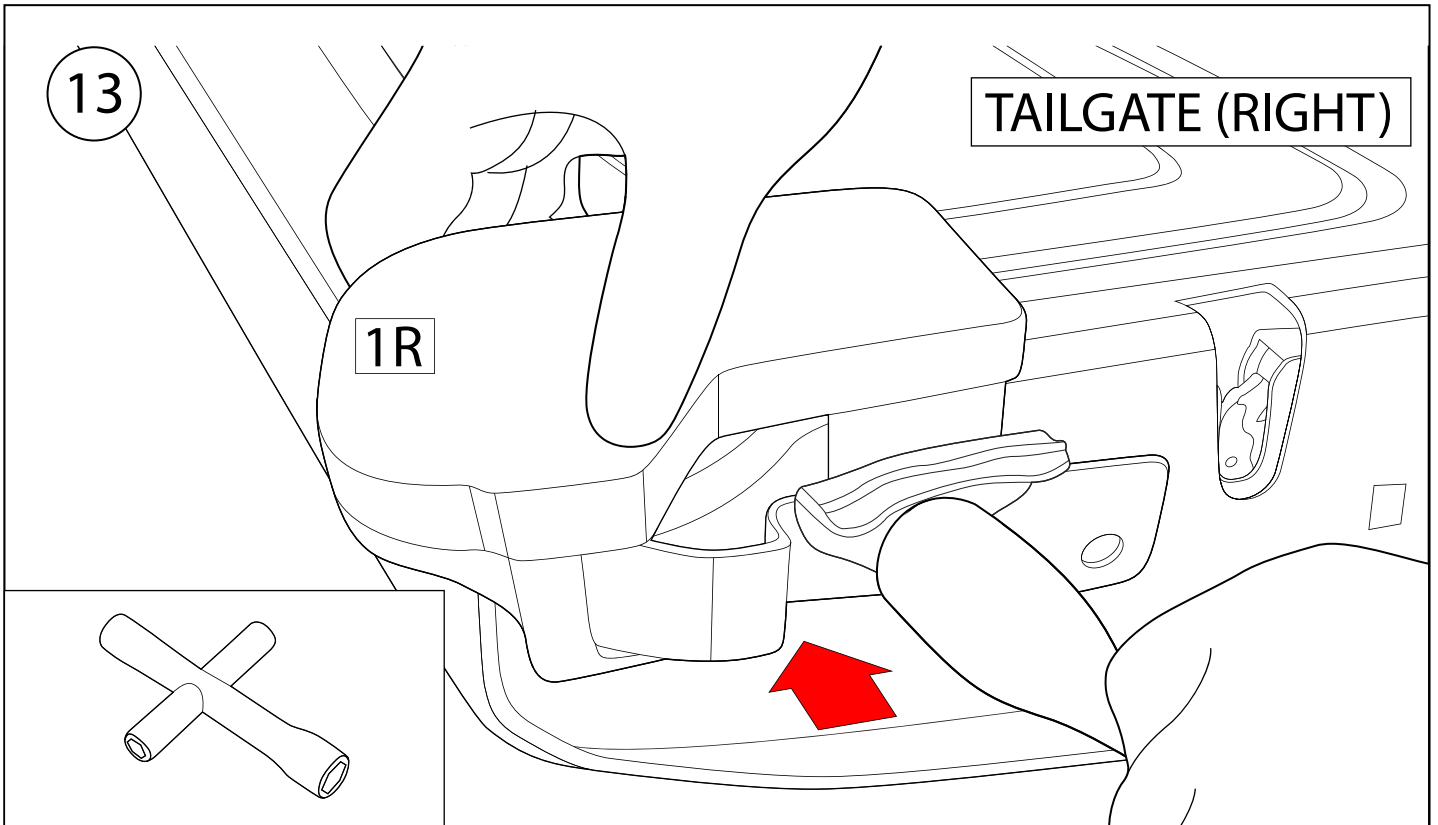
12

TAILGATE (RIGHT)

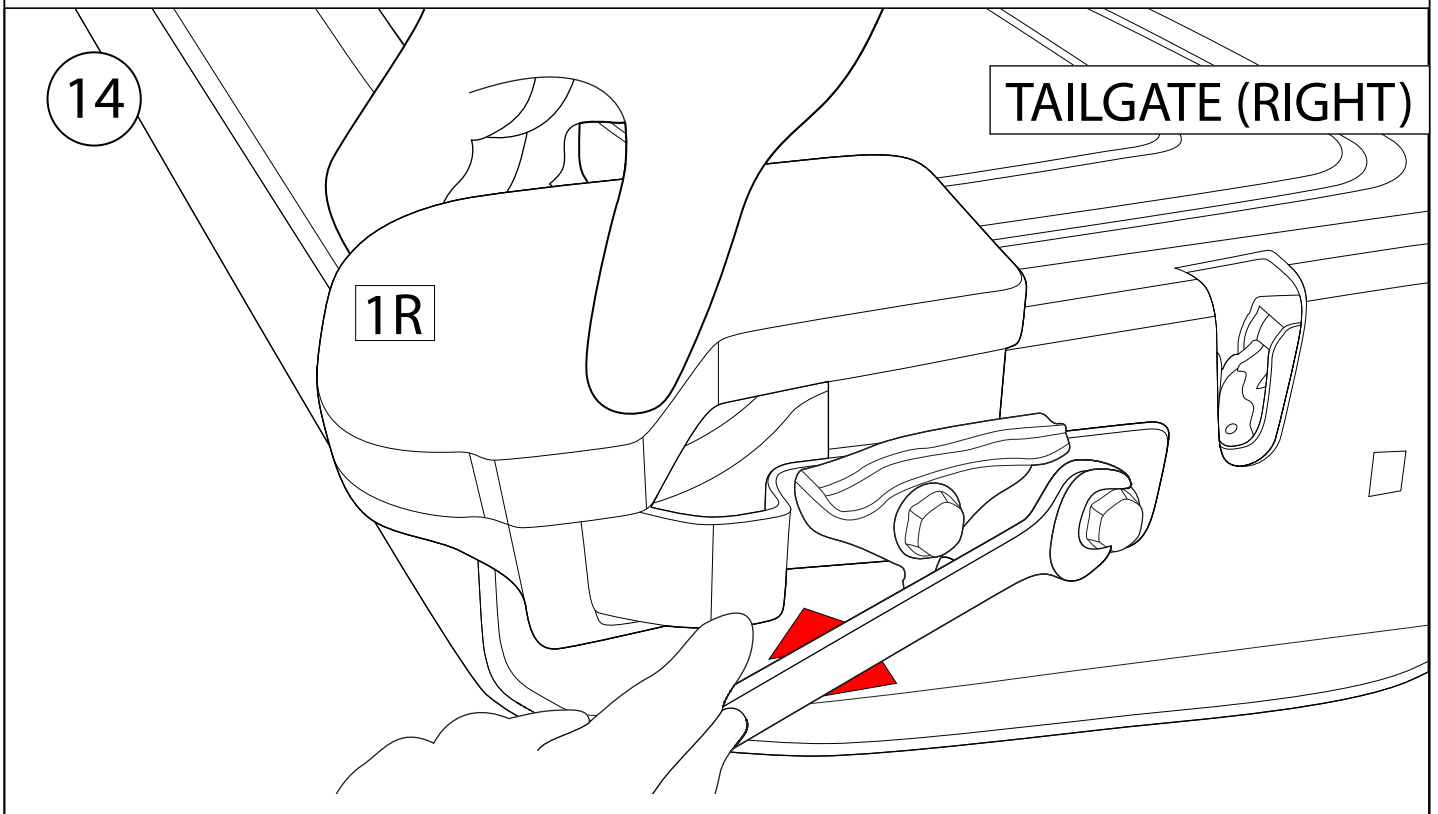
1R



Install The Lock Side and Tailgate Lock together.( Right Side )



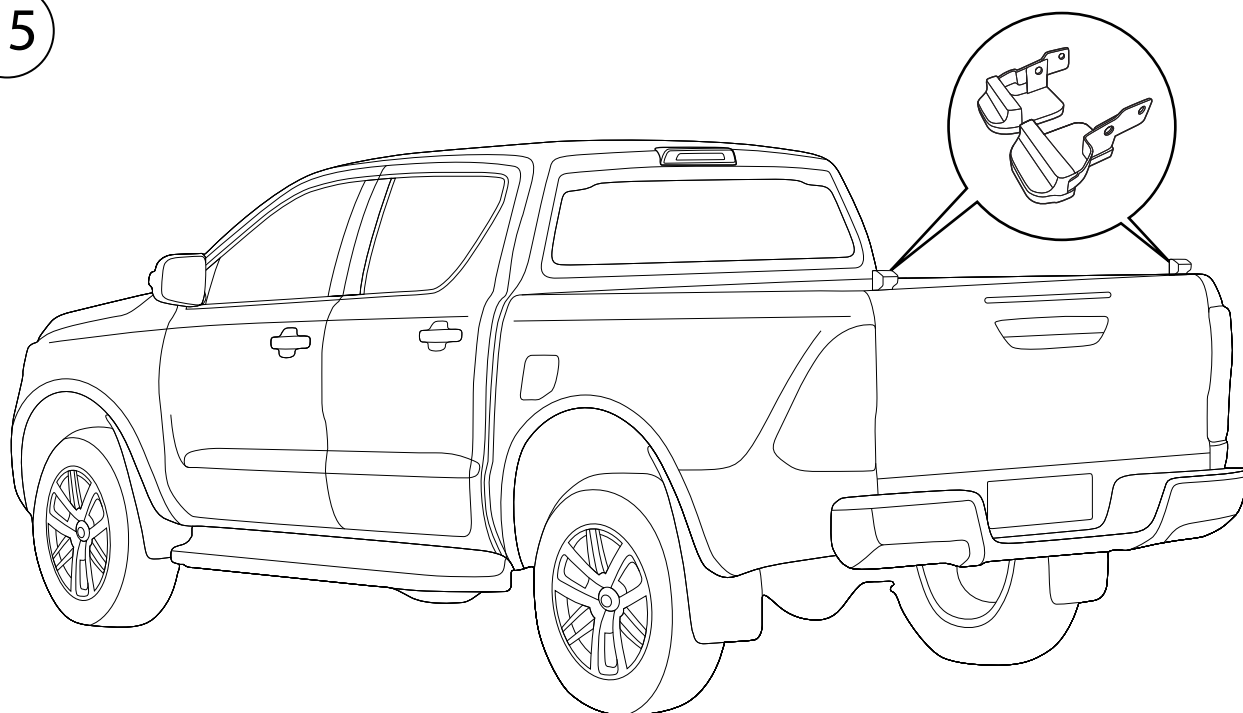
Tighten Tailgate Lock bolts with the Wrench.( Right Side )



Tighten Tailgate Lock bolts with the Wrench.( Right Side )



15



Installation complete.



**SAMMITR**

# Mechanical Installation Manual





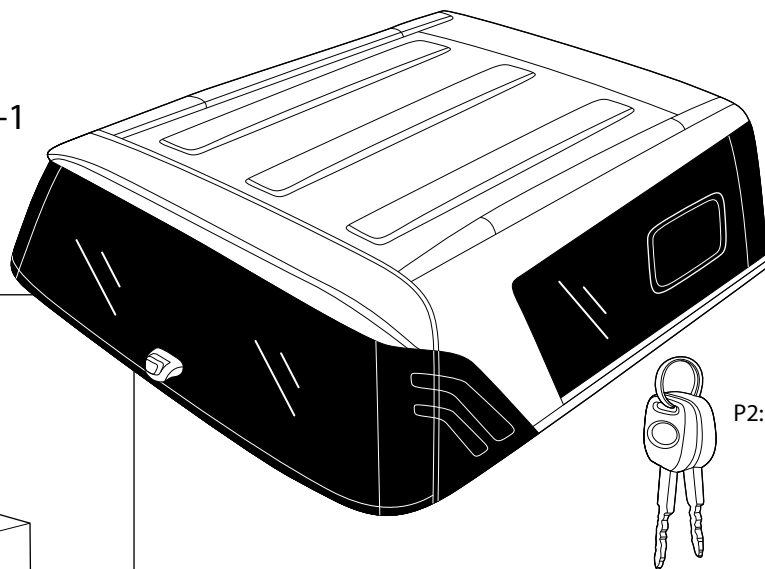
# SAMMITR

## Mechanical Installation Manual Steel Canopy : TL-1 All Models

Version 1.0

### Part In Main Carton

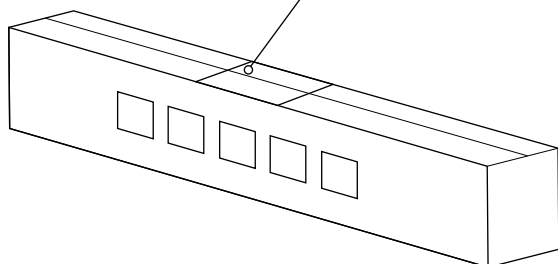
P1: Steel Canopy TL-1



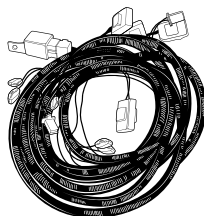
P2: Key

### Kit Box

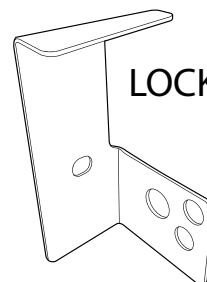
Part List Paper



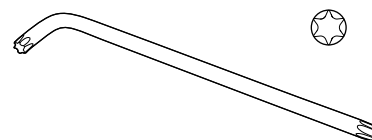
K8 : T Paint



K3 : Wiring No.38



LOCK TAIL GATE RH

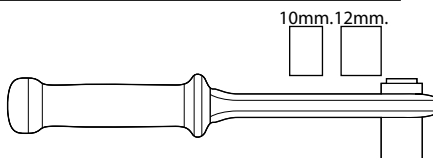


T6 : Hexalobular Wrench # T40

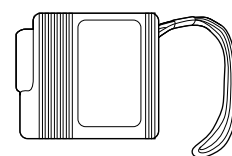
### Require Tools



T1 : 13 mm. Wrench



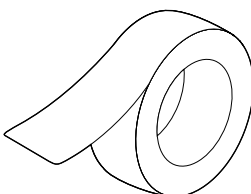
T3 : 10,12mm. Torque Wrench



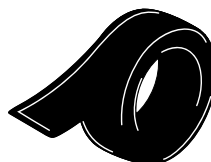
T7 : Measuring Tape/Ruler



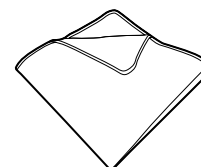
T2 : 10 mm. Wrench



T4 : Tape



T5 : Electric Tape

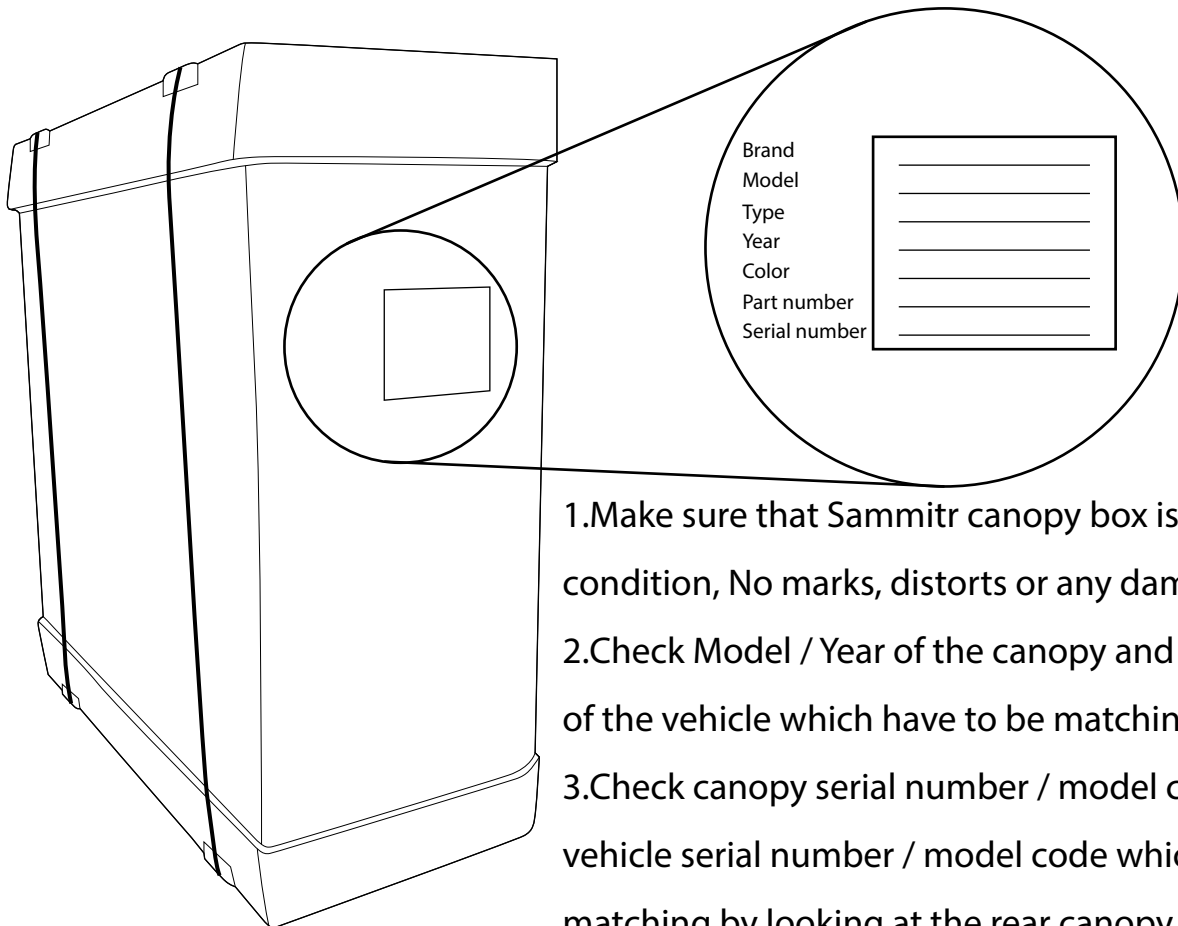


T8 : Fabric

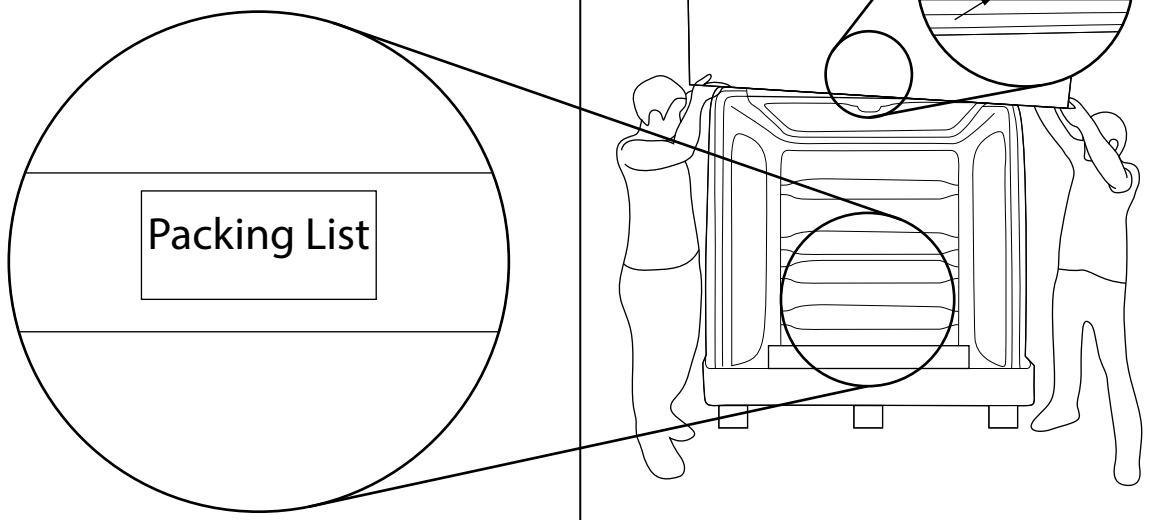


16

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

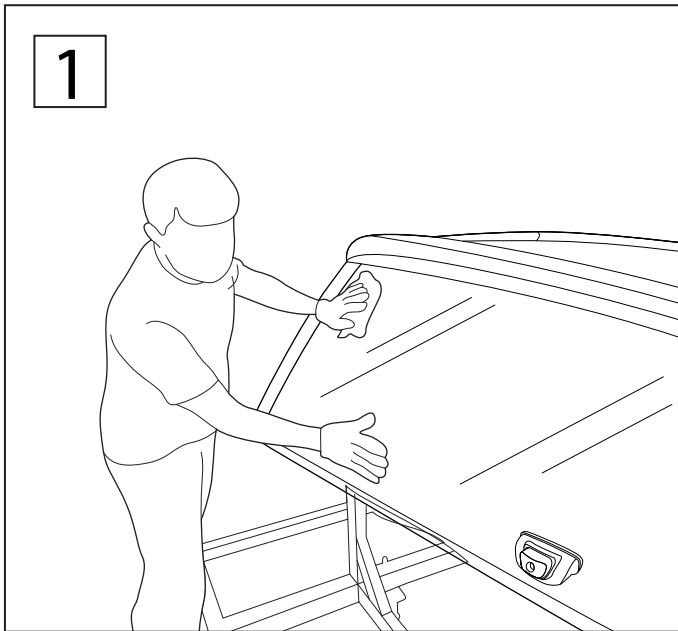


4. Check all the accessories received inside the box with the Packing List.

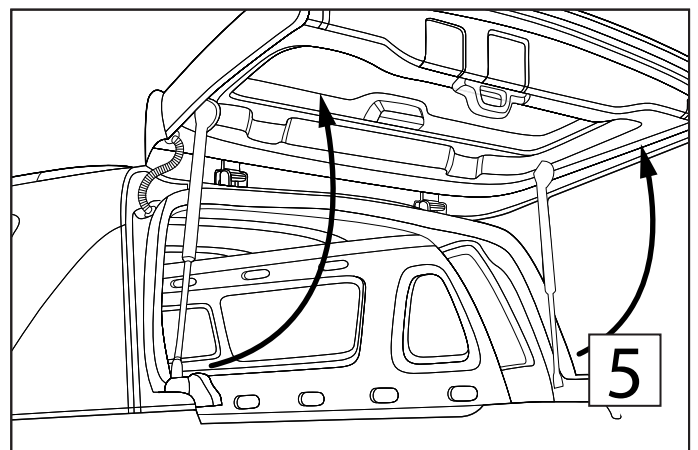
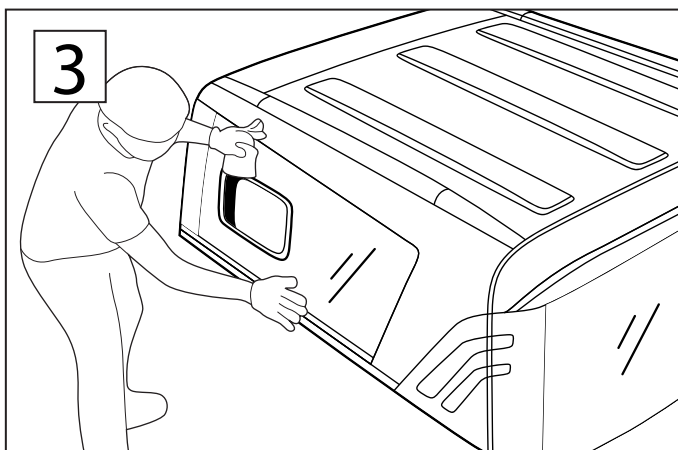
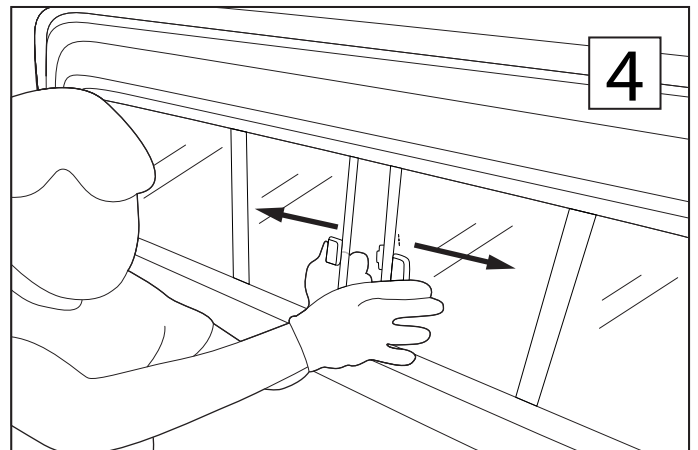
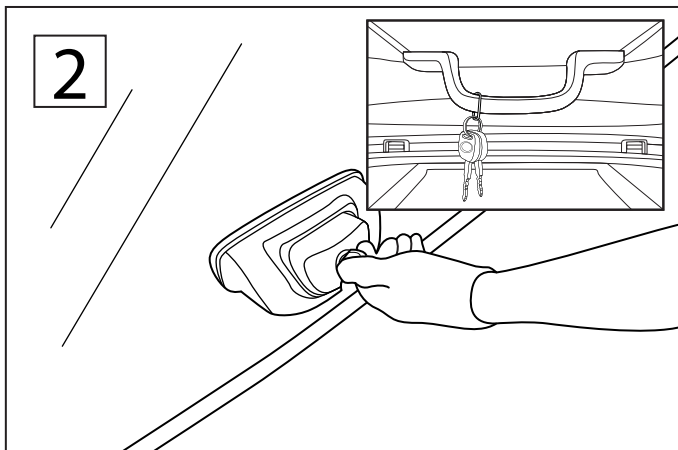




## 17 The preparation process of Sammitr Canopy TL-1 model before installation with the vehicle.



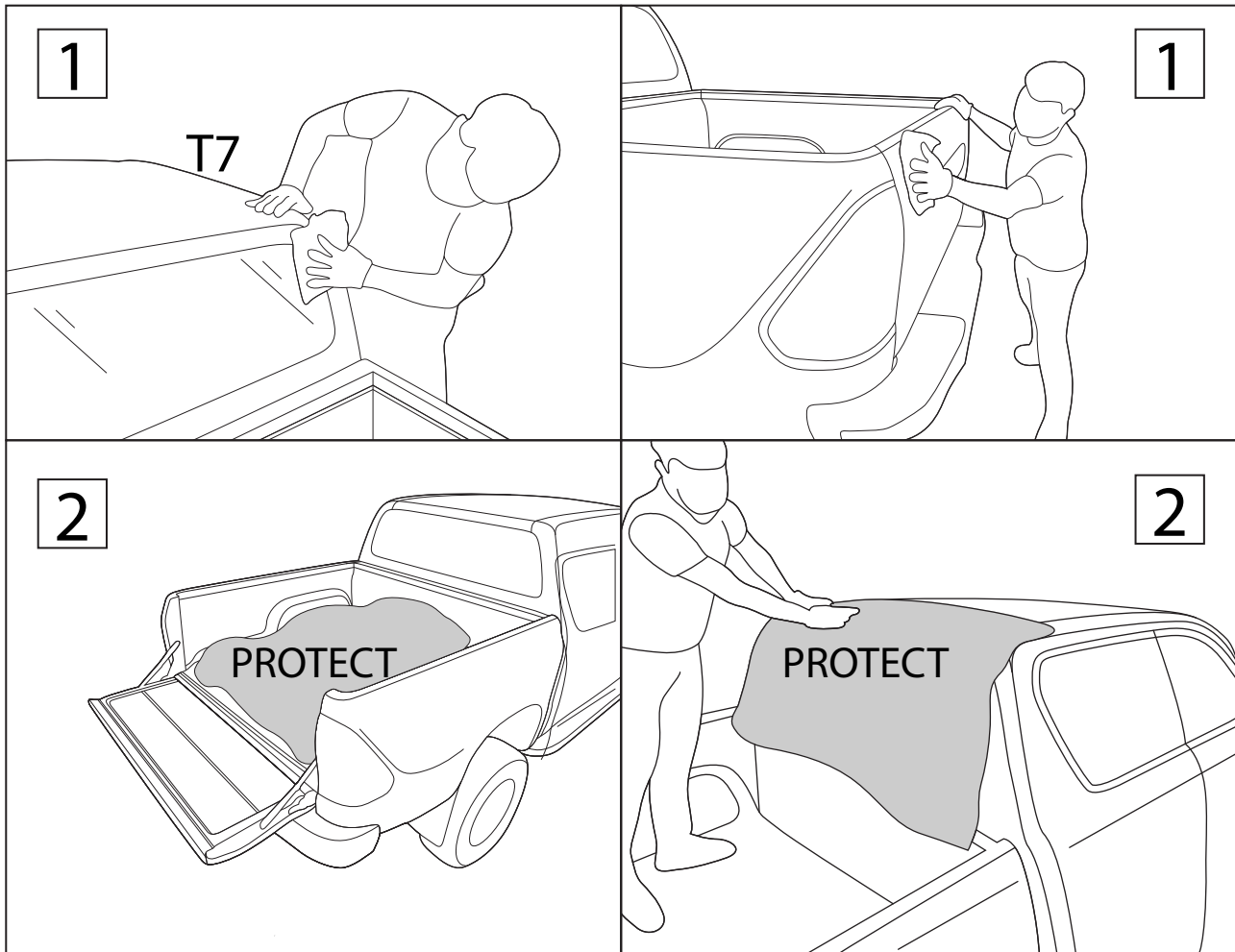
1. Canopy have to be in good condition, no damage, dent, cracks, smooth surface including no window damages or cracks.
2. Locking system is working for both keys.
3. Canopy sides are not damage, dent or cracks.
4. Canopy front window panel is working (open/close), no cracks or damages occurrences.
5.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



18

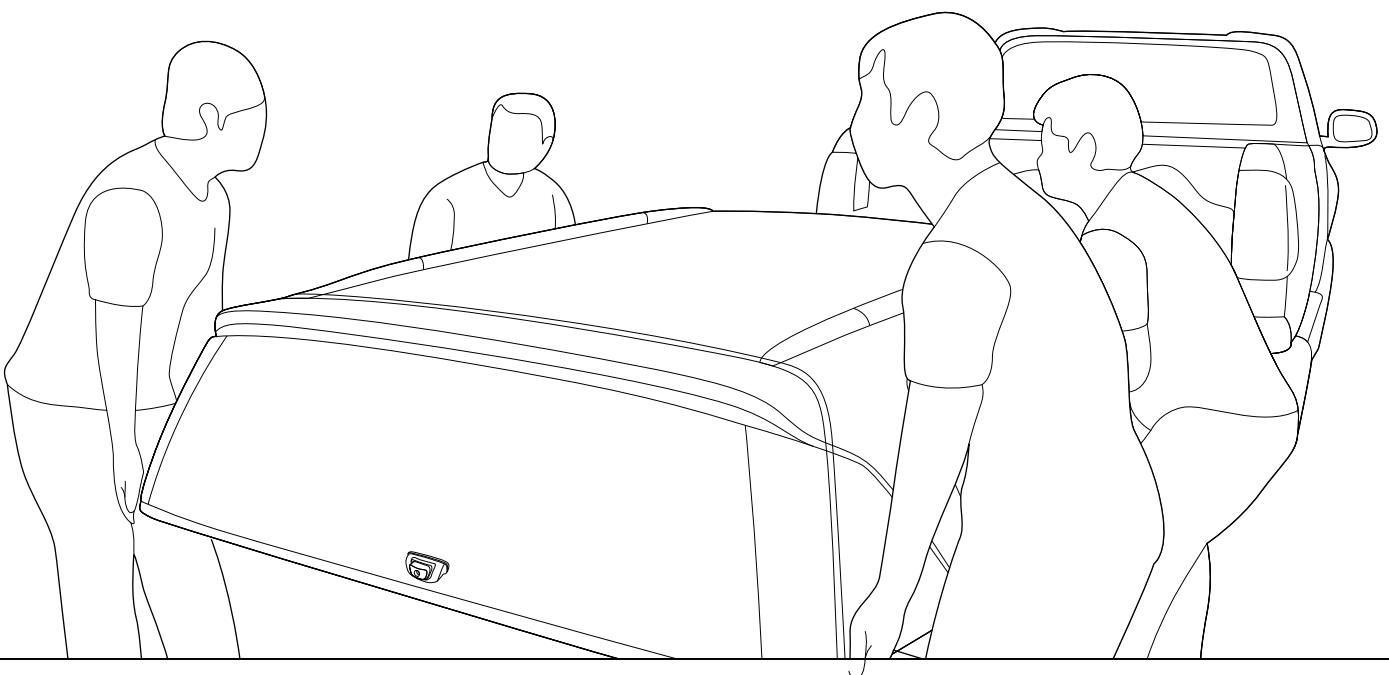
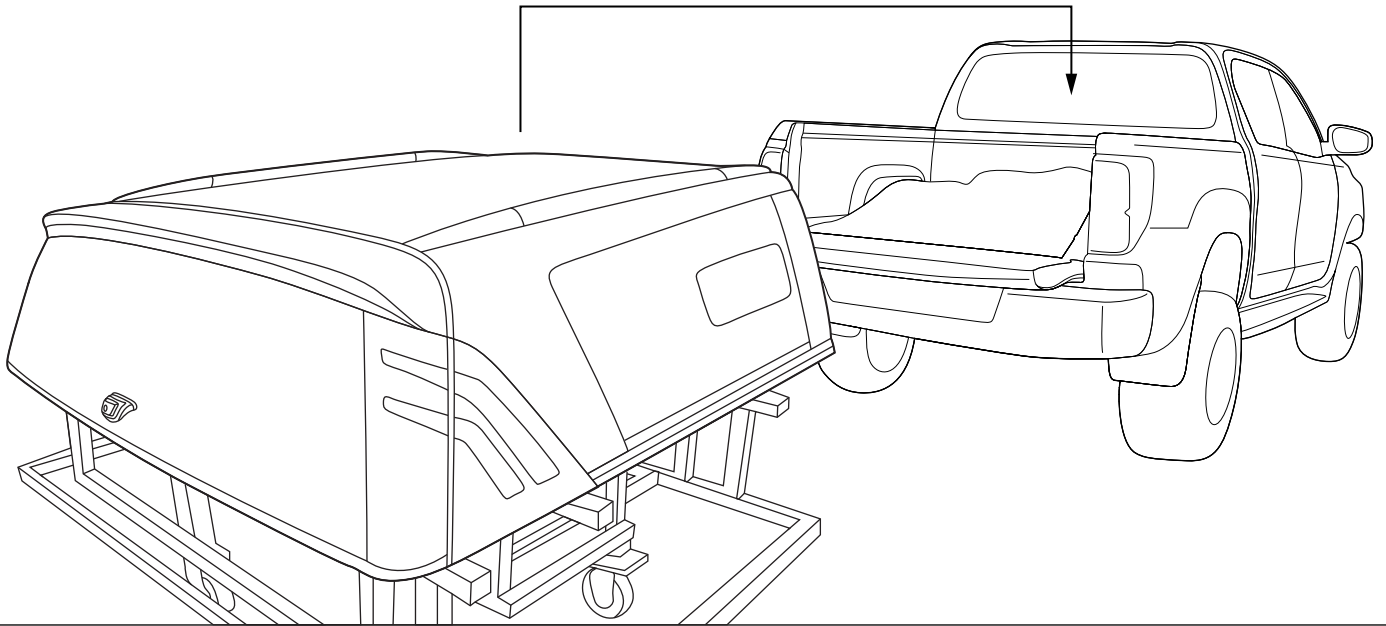
The process of checking and preparing the Toyota Hilux REVO vehicle before install the canopy.

1. Clean up the vehicle body including the top, all sides and Rear tub.
2. Cover the fabric to protect the scratches resistant.





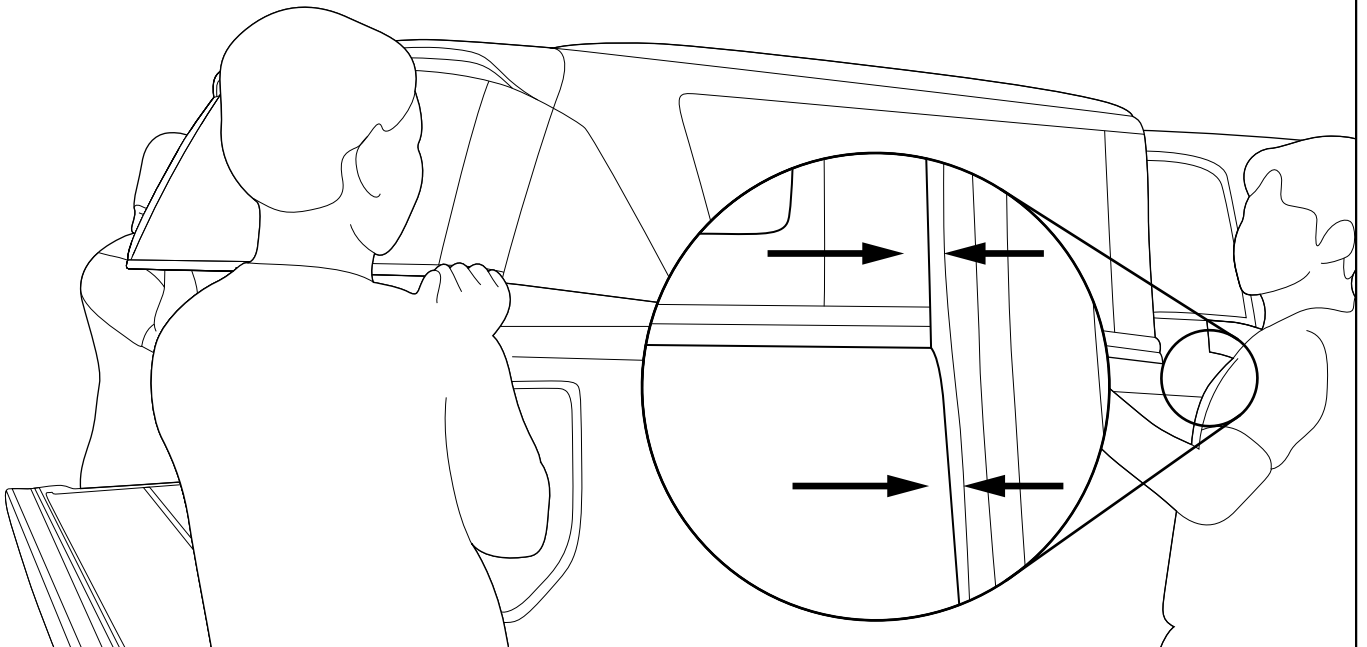
- 19 The process of preparing Sammitr Canopy TL-1 model before install on the vehicle.



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

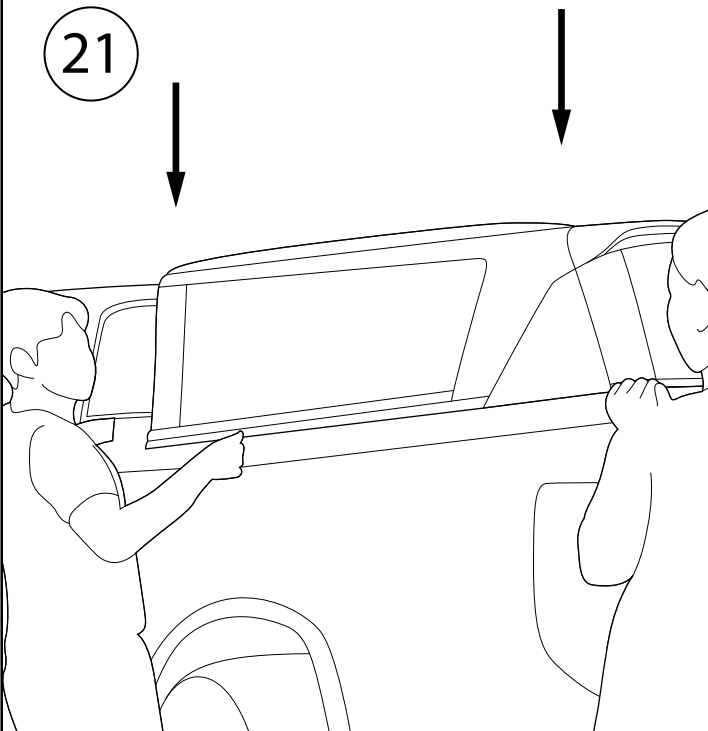


20



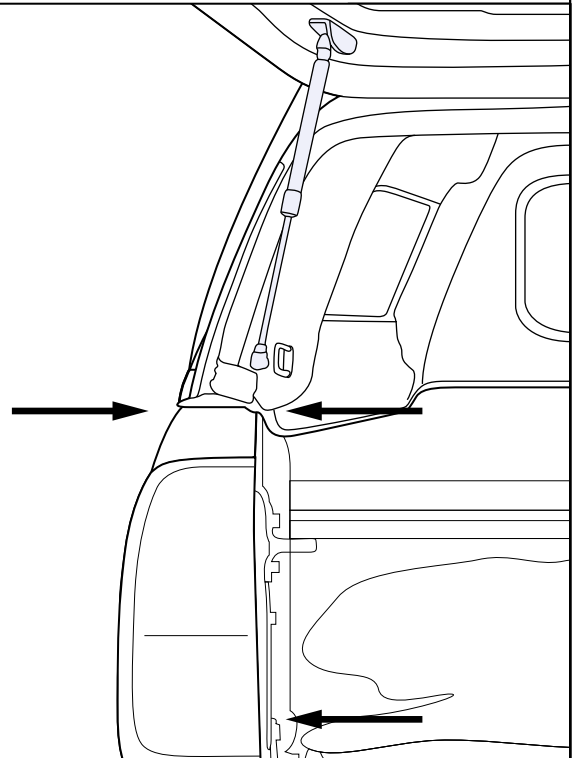
Lift canopy over the pick up truck by rising the rear part higher and the front part to be in the parallel with the edge of the vehicle tub.

21



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

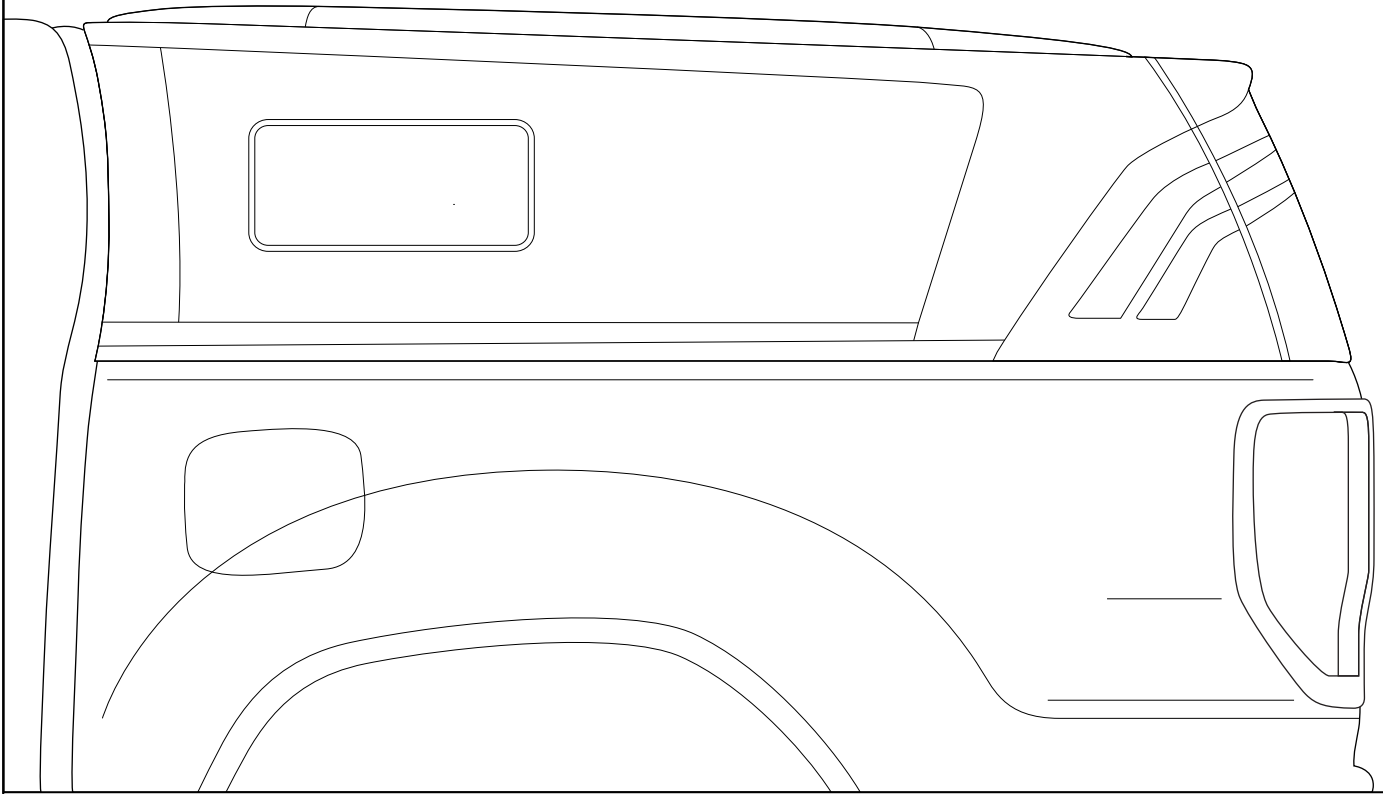
22



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

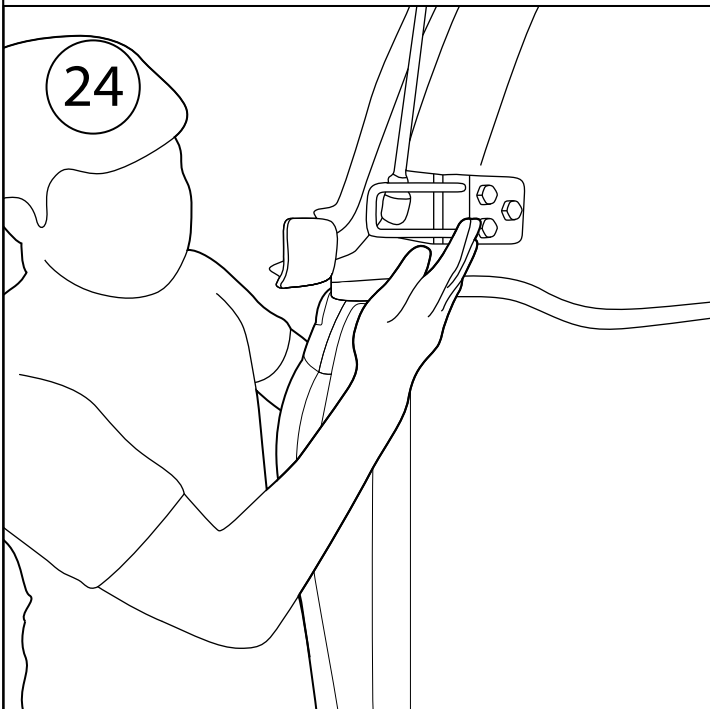


23

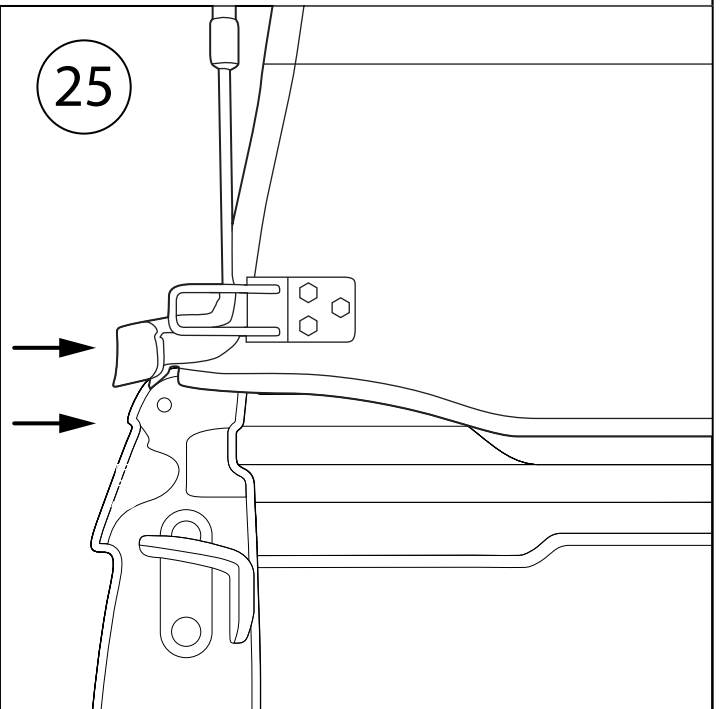


Side edge of canopy to be in the parallel with the Side edge of the vehicle tub.

24



25



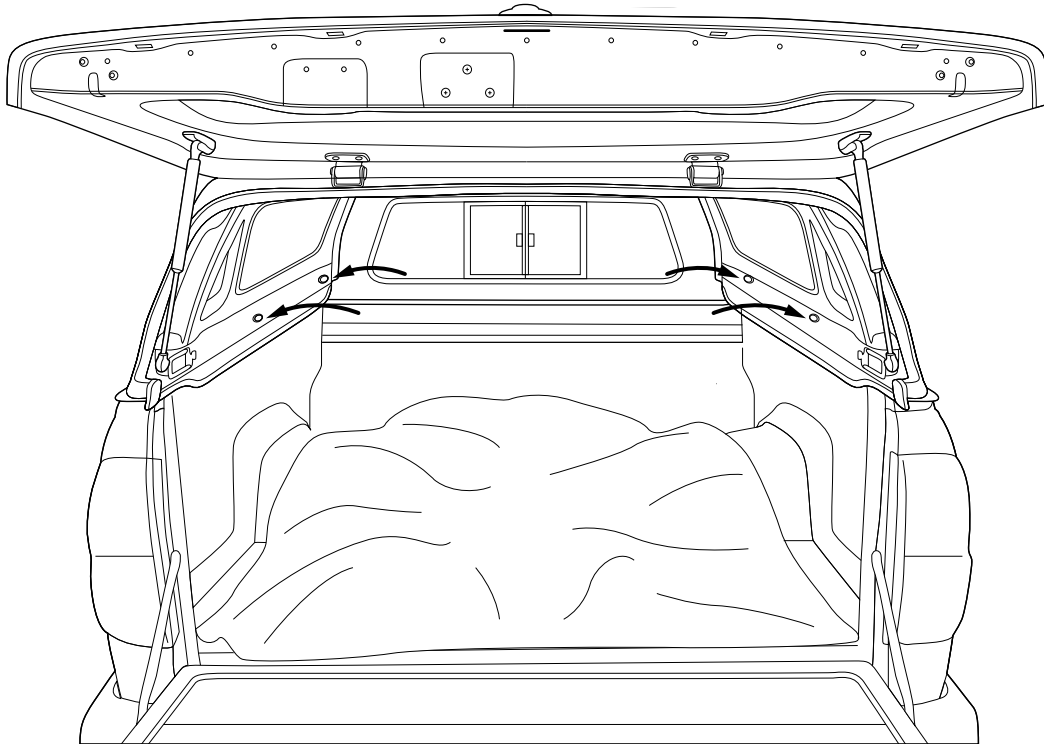
After finished measure the side part, check the distance at rear part of canopy which must have to be in the parallel with the Rear edge of the vehicle tub.





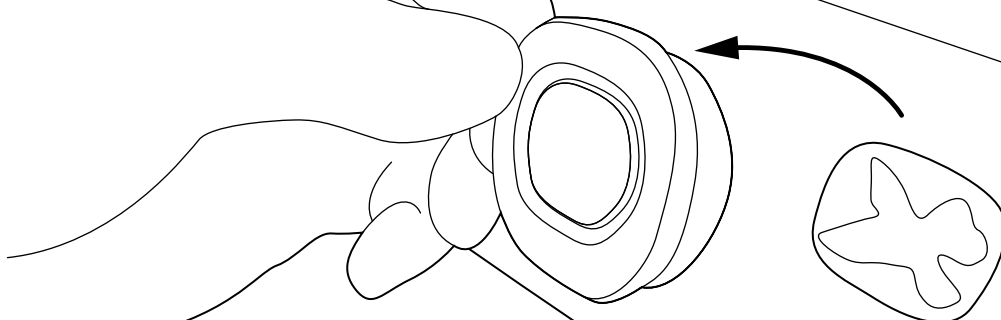
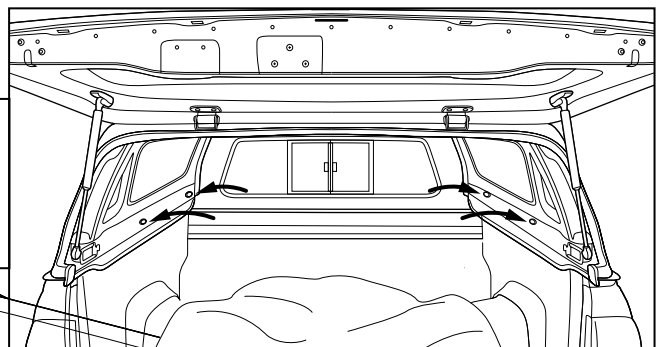
26

The process of C-Clamp installation  
TL-1 canopy model with the vehicle



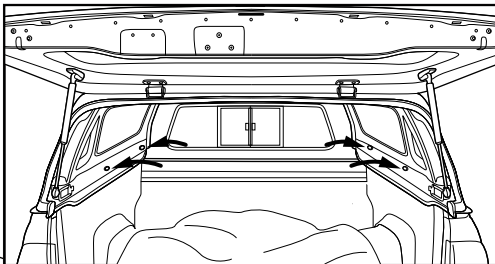
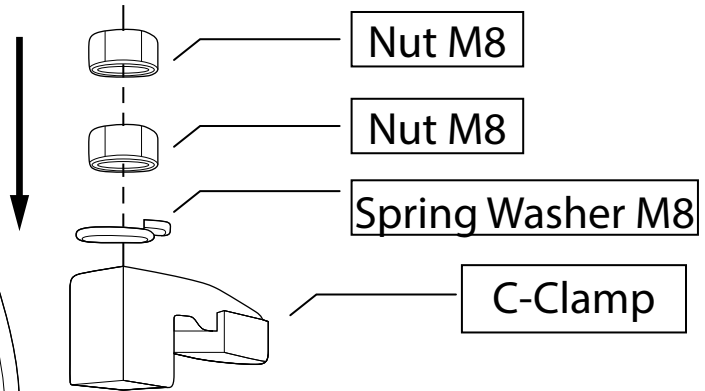
27

Open / take off the rubber plug

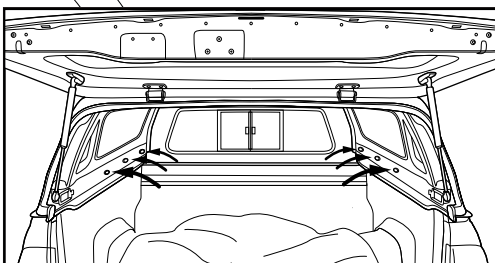




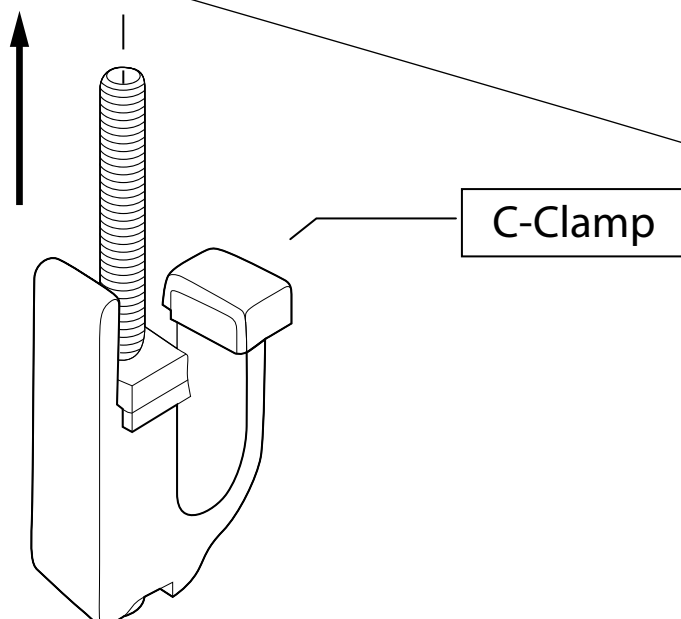
28



The process of C-Clamp installation onto the vehicle tub, all 4 positions (D-Cab).



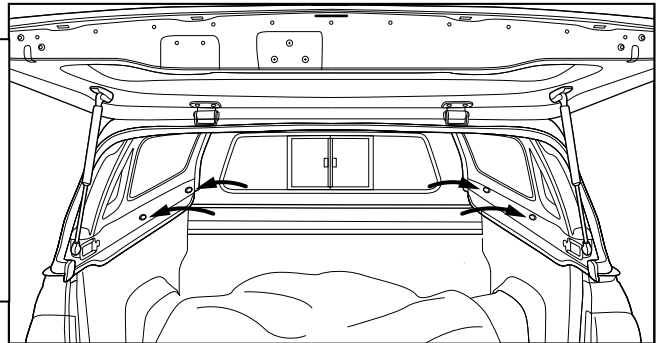
The process of C-Clamp installation onto the vehicle tub, all 6 positions (C-Cab).





29

Tighten bolts of c-clamp by using pound wrench, with the pressure of 16 Nm.

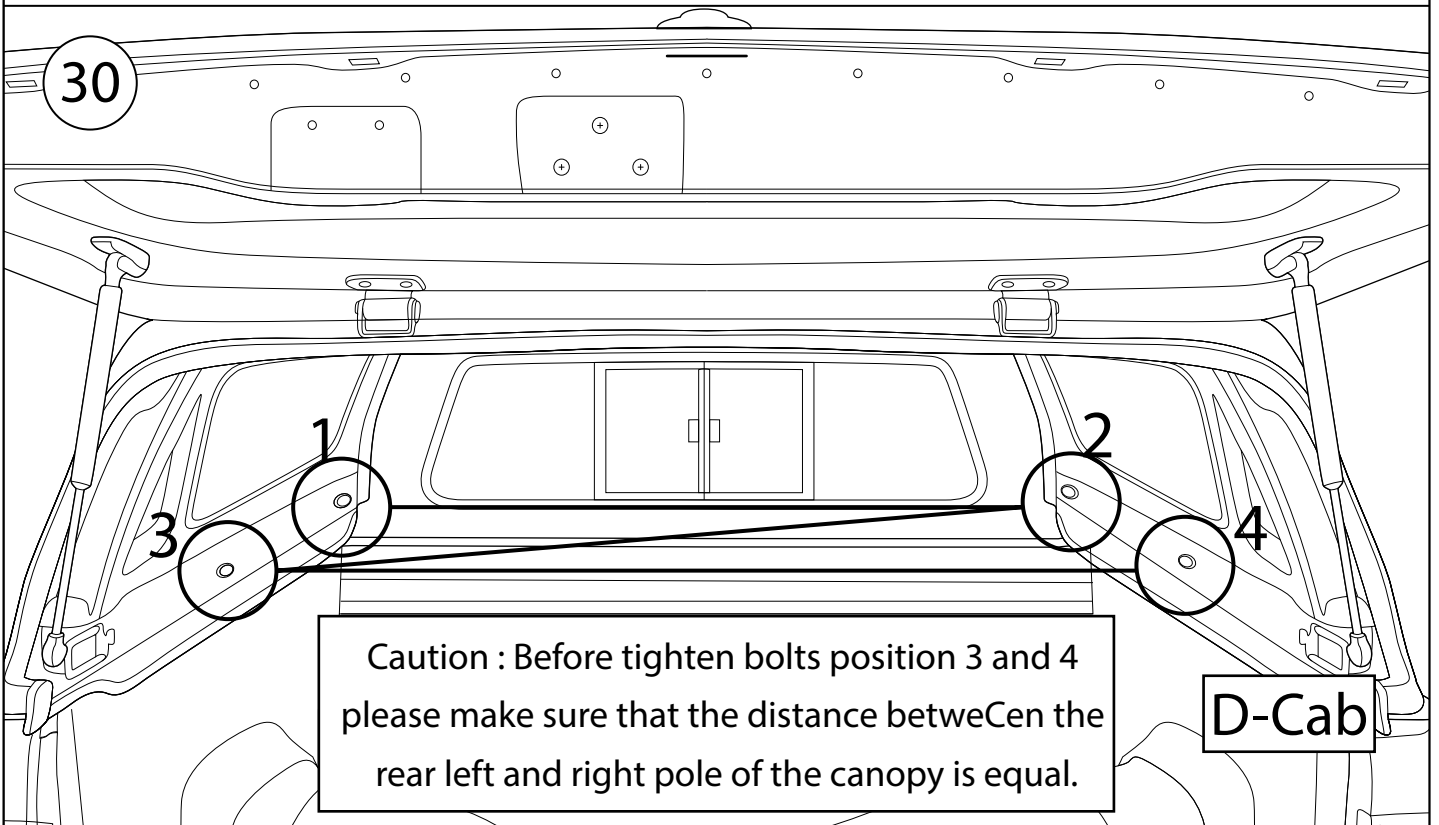


T3

D-Cab

Tighten canopy C-Clamp bolts with vehicle all 4 positons.

30



Caution : Before tighten bolts position 3 and 4 please make sure that the distance between the rear left and right pole of the canopy is equal.

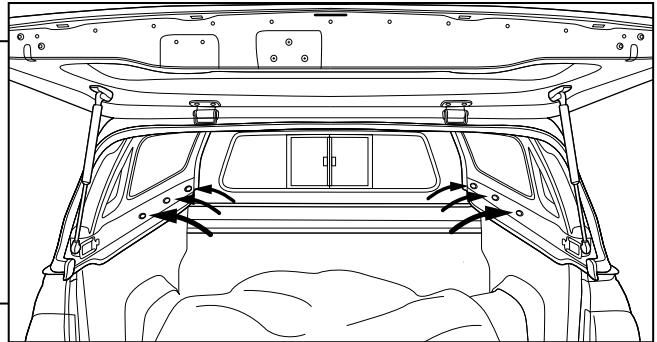
D-Cab

Steps of canopy C-Clamp bolts tightening onto vehicle.



31

Tighten bolts of c-clamp by using pound wrench, with the pressure of 16 Nm.

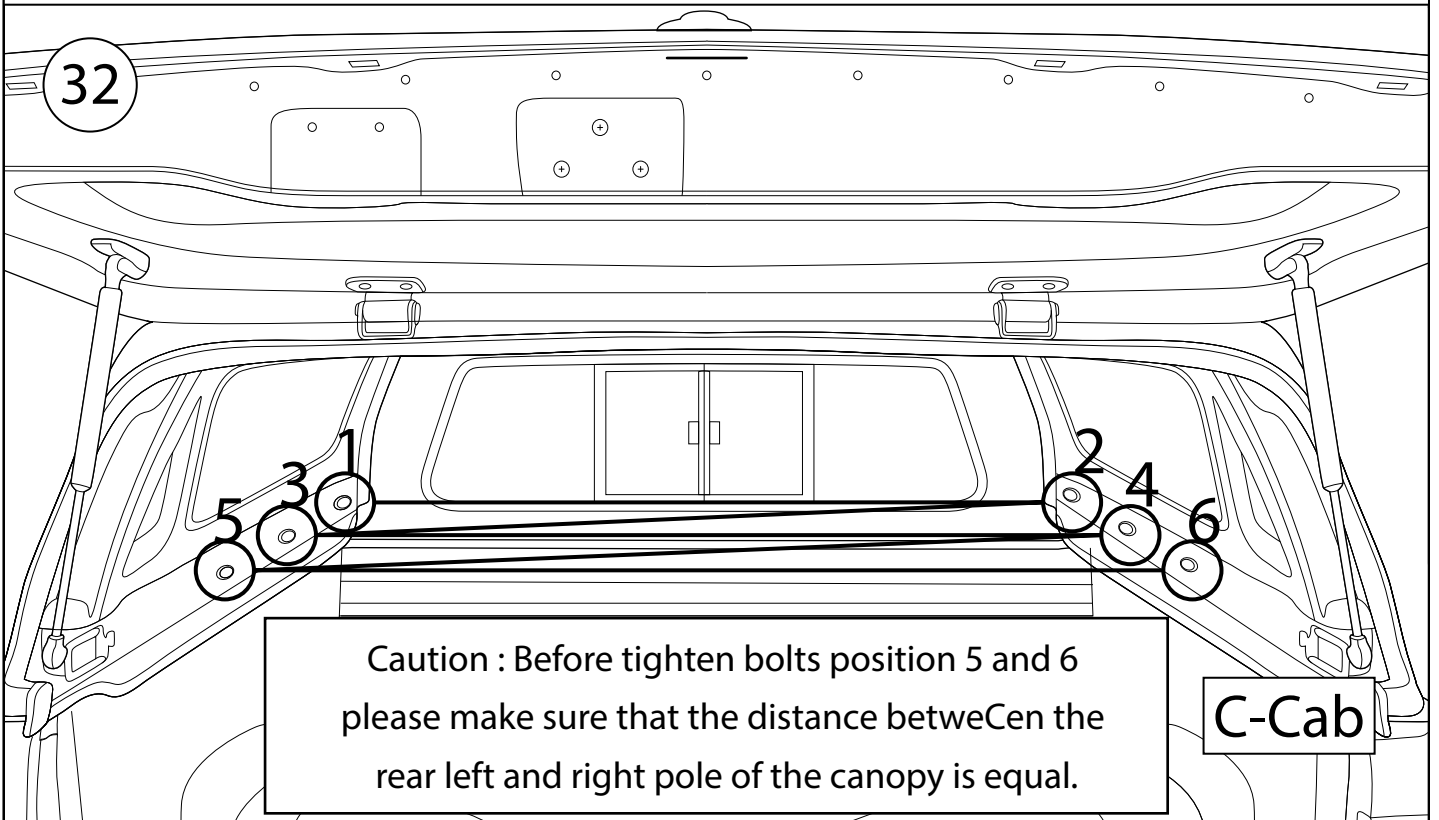


T3

C-Cab

Tighten canopy C-Clamp bolts with vehicle all 6 positons.

32



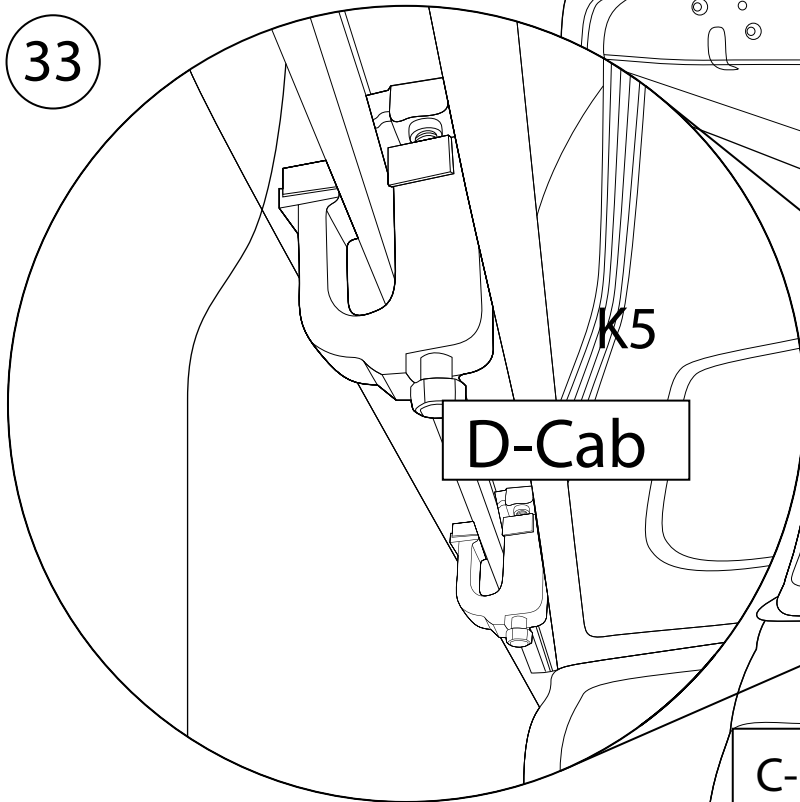
Caution : Before tighten bolts position 5 and 6 please make sure that the distance between the rear left and right pole of the canopy is equal.

C-Cab

Steps of canopy C-Clamp bolts tightening onto vehicle.

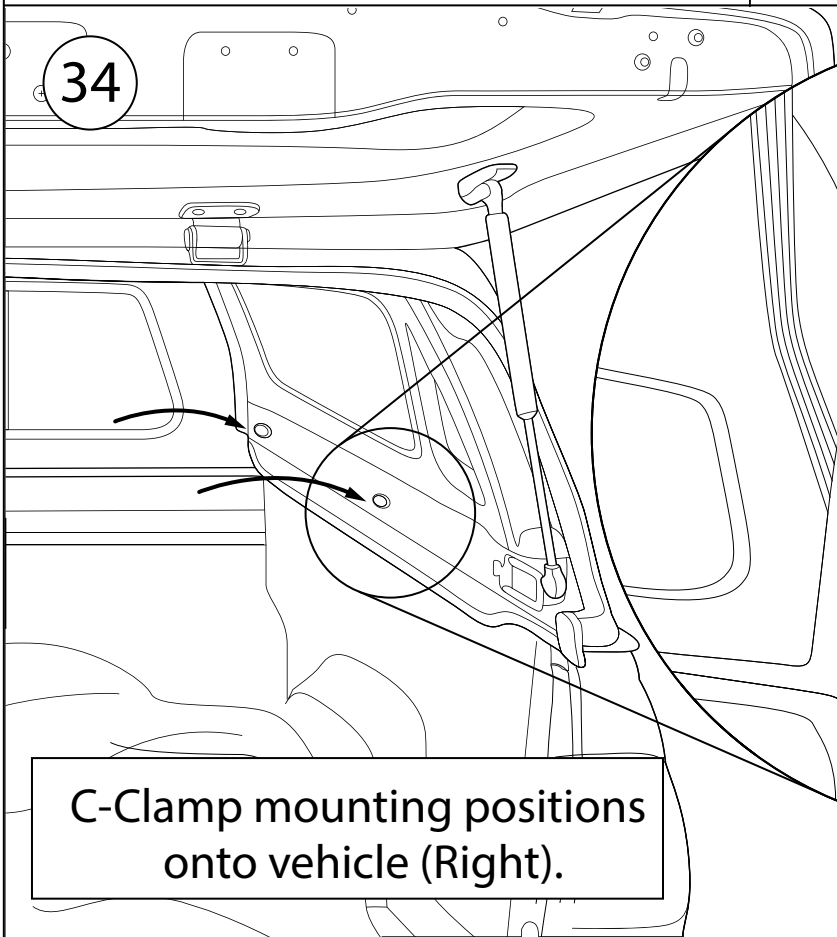


33

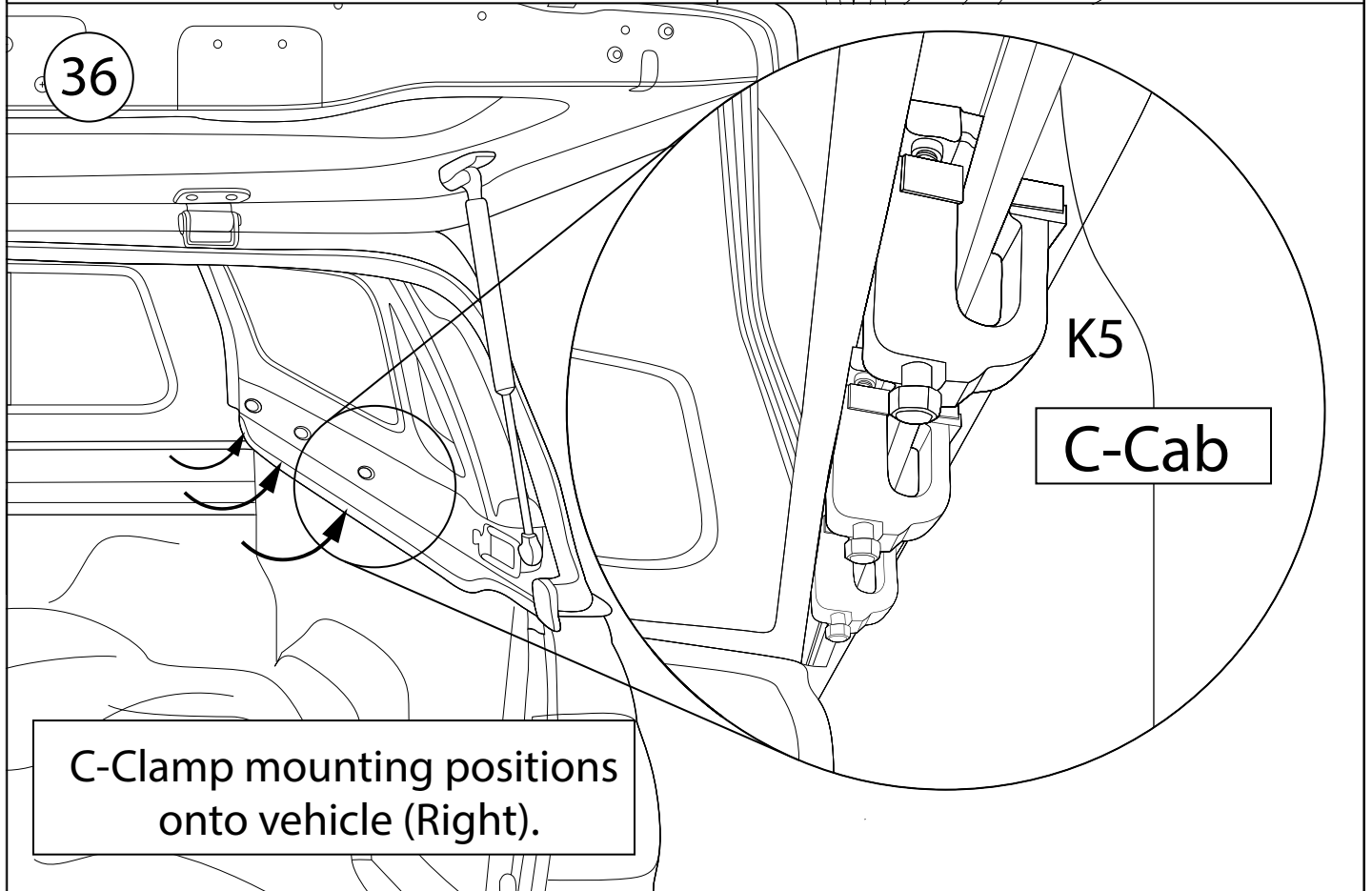
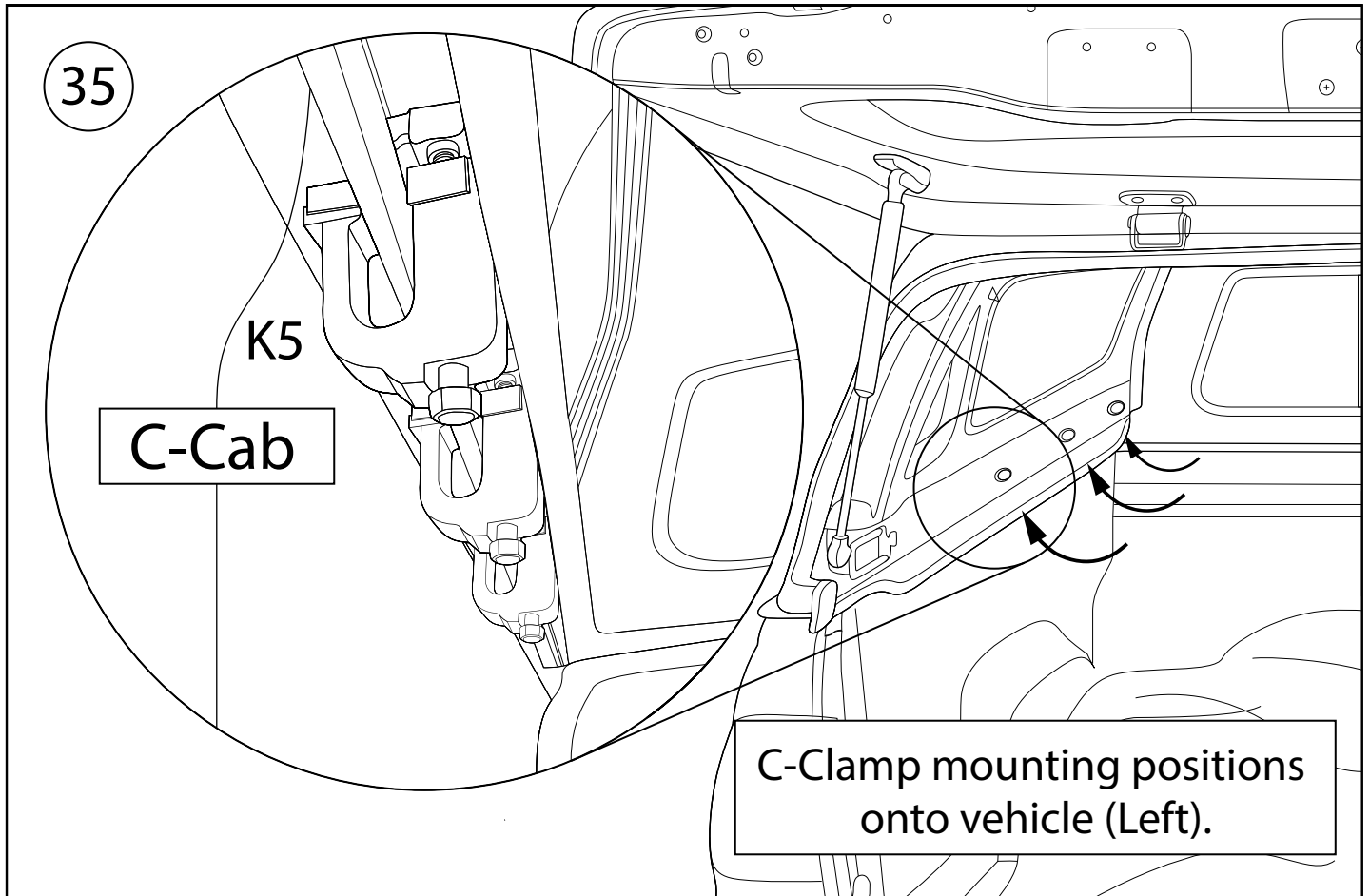


C-Clamp mounting positions  
onto vehicle (Left).

34



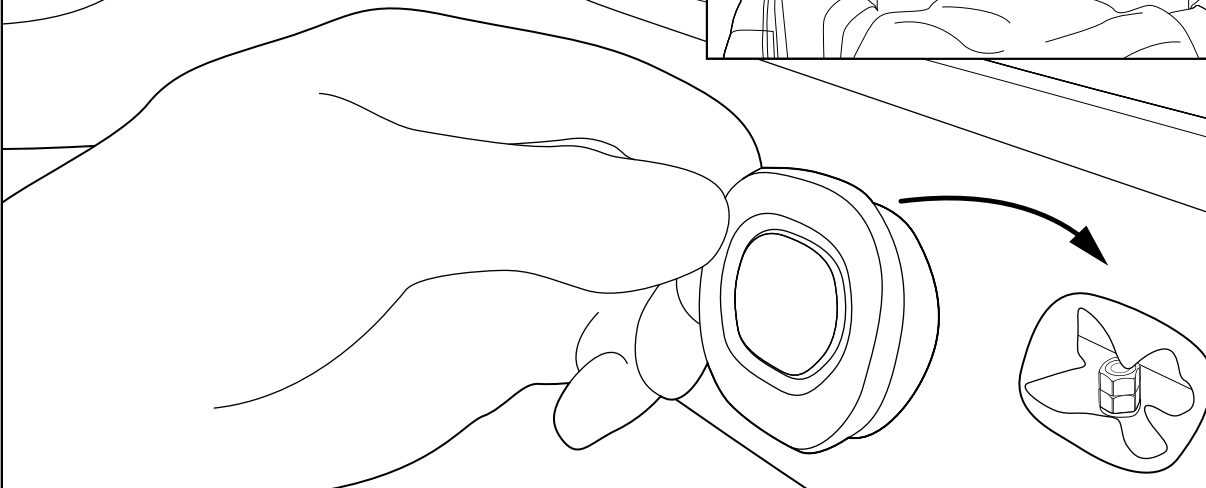
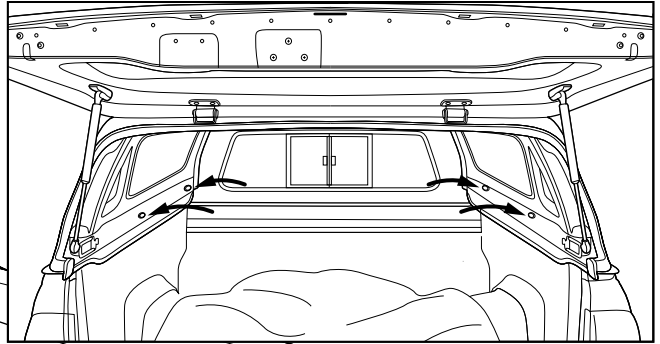
C-Clamp mounting positions  
onto vehicle (Right).





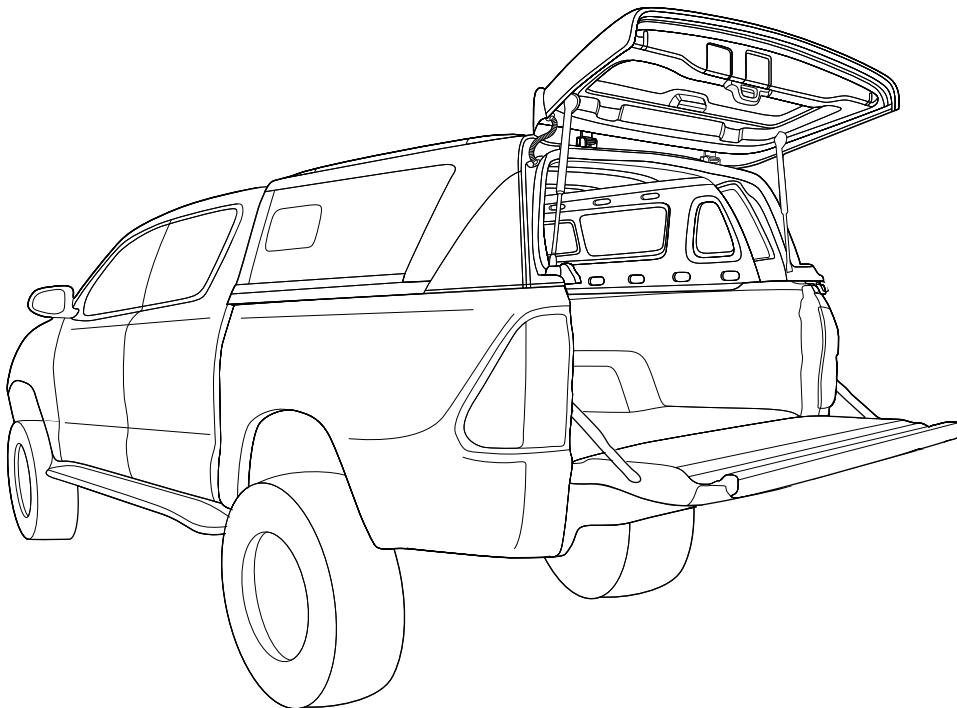


37



Close the rubber plug.

38



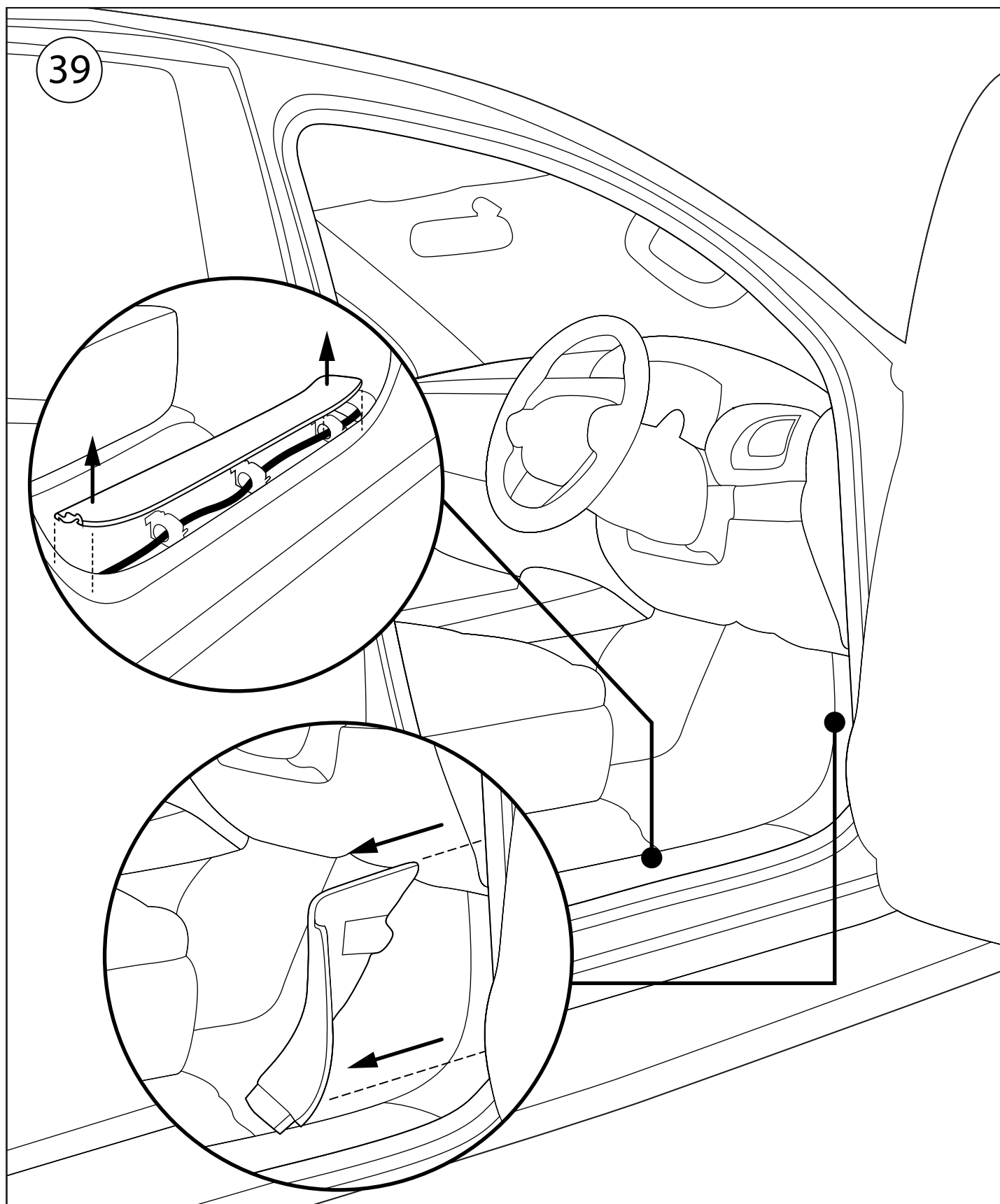
The process of canopy installation is completed.



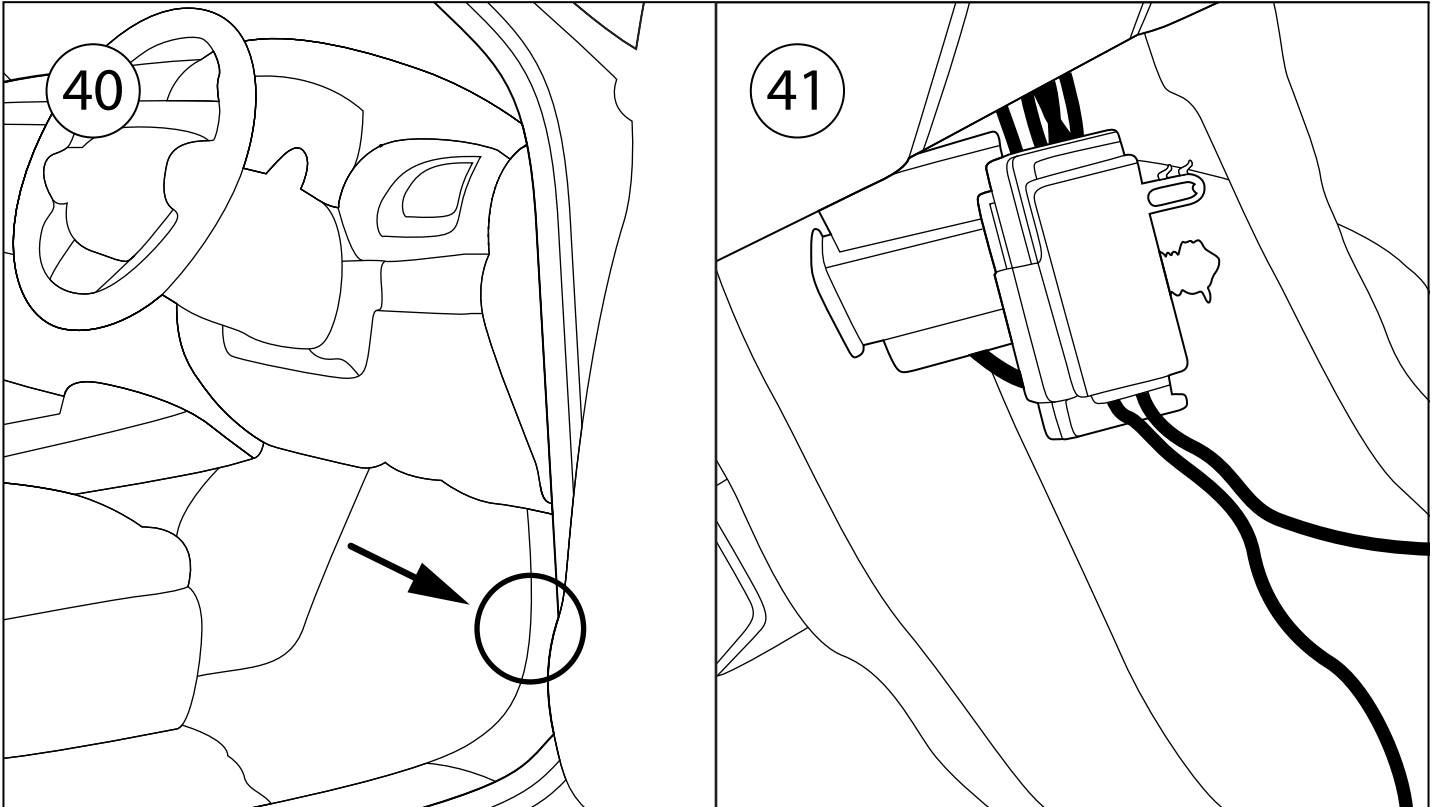


**SAMMITR**

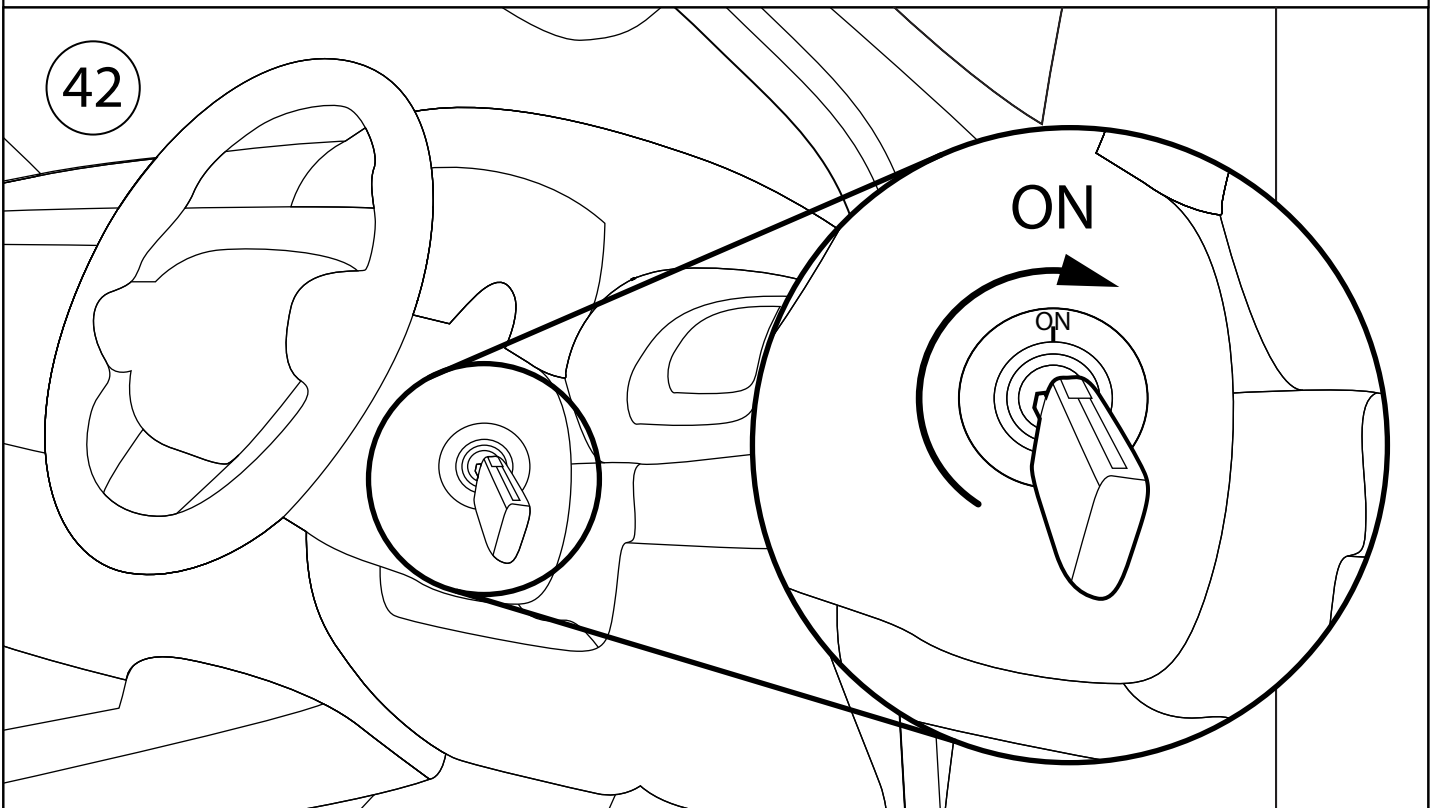
# Electrical Installation Manual



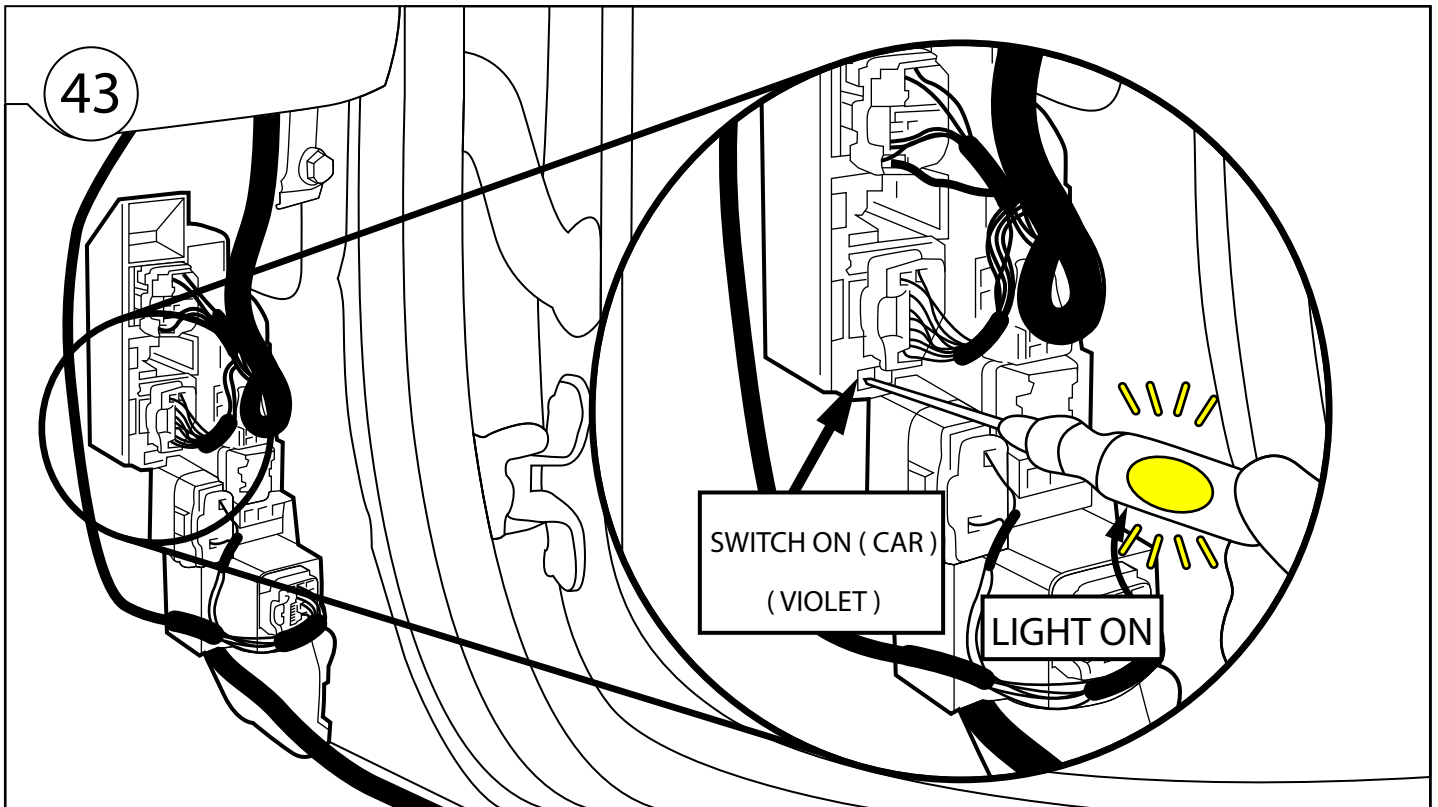
Take off the Wiring Cover at the driver side in order to check the wiring position.



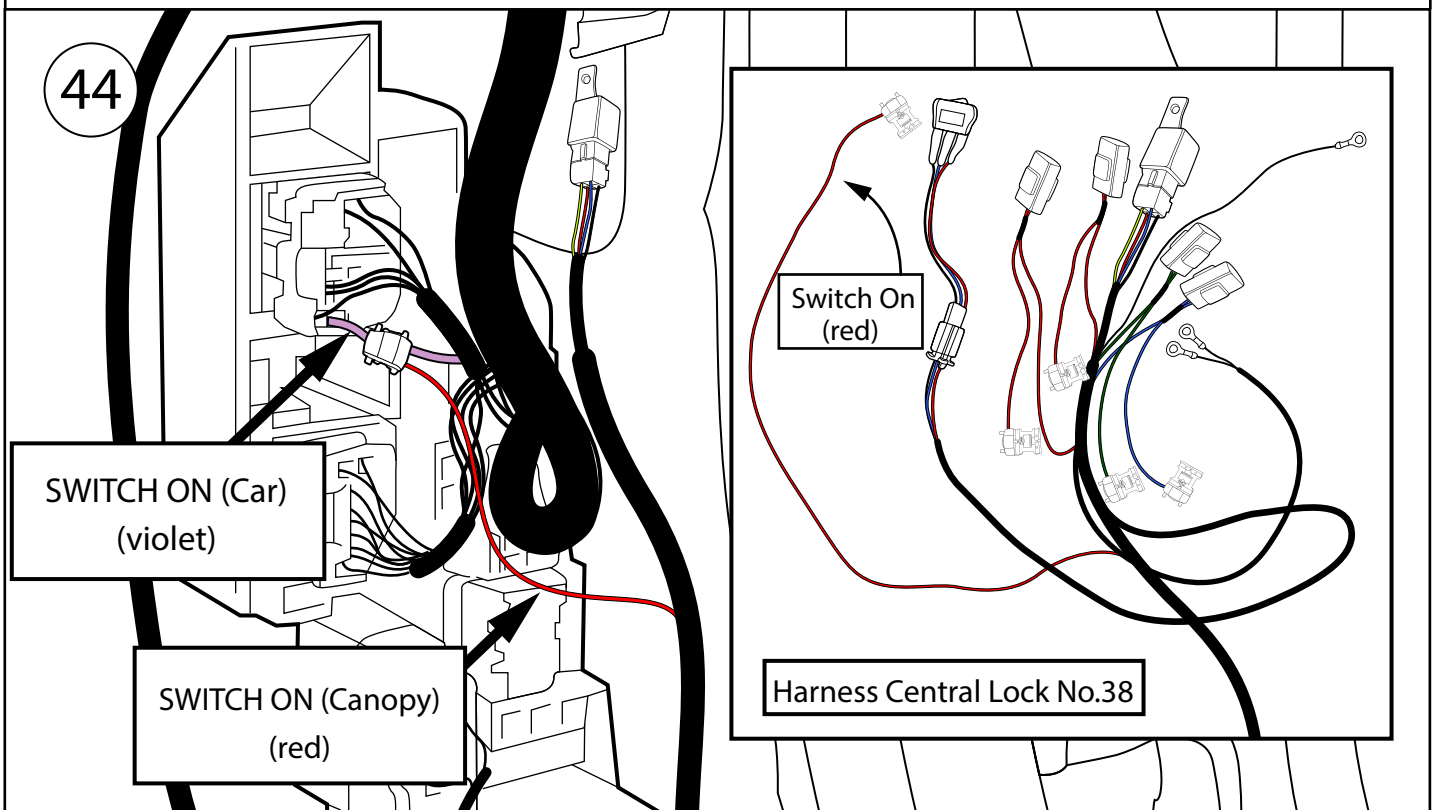
Control Box position that will connect with Harness Central Lock No.38



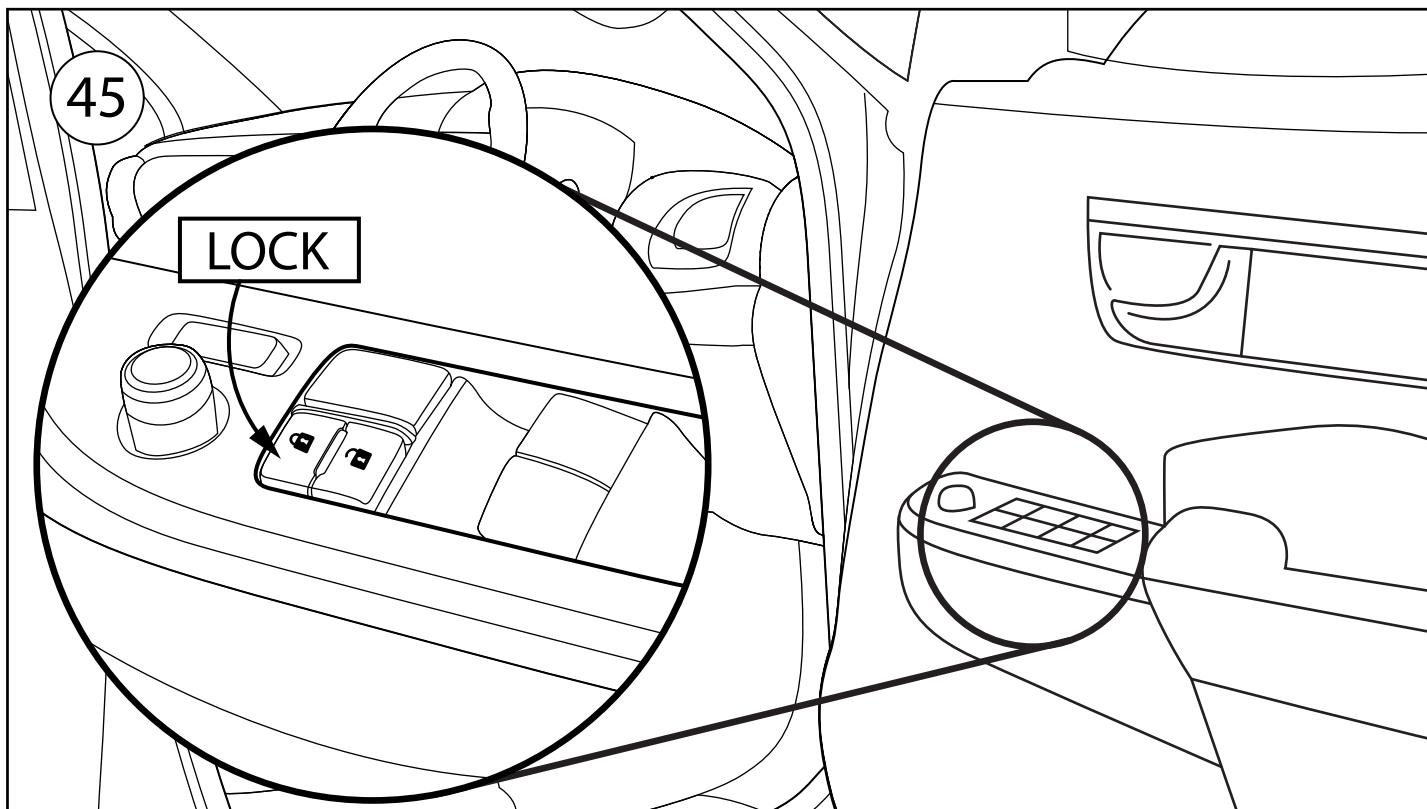
Step of checking Switch on position, begin with turning the key to ON position.



Checking the Switch On of vehicle position by using the Test Lamp kit.



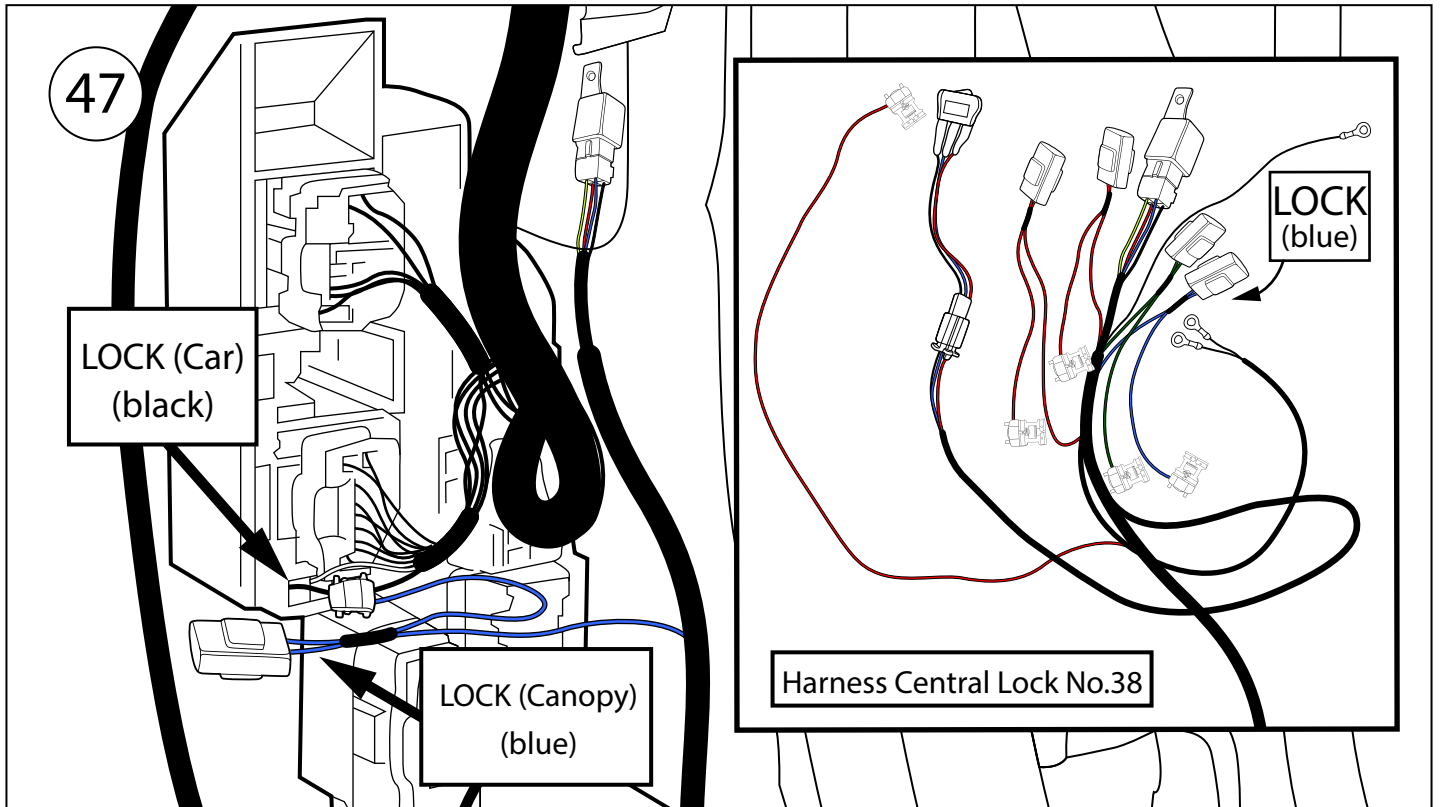
Connect the Harness Central Lock No.38 with the vehicle socket by bring the Red Wiring (Switch ON) of the Harness Central Lock No.38 connects with the purple wiring (Switch ON) of the vehicle wiring.



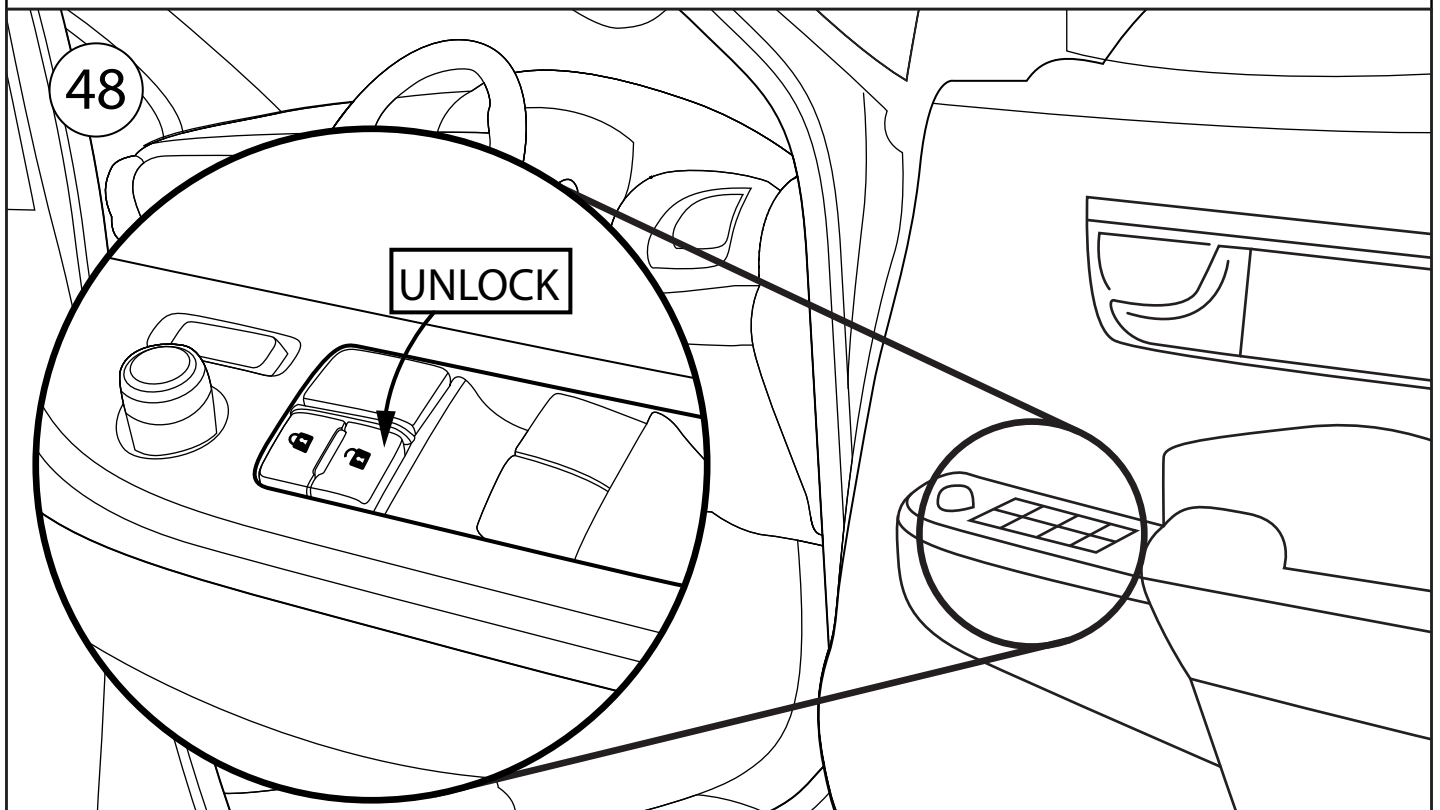
Step of Checking the light of the Central Lock (Lock) begin with push the Lock button at the door panel.



Checking the light of the Central Lock (Lock) of vehicle position by using the Test Lamp kit.

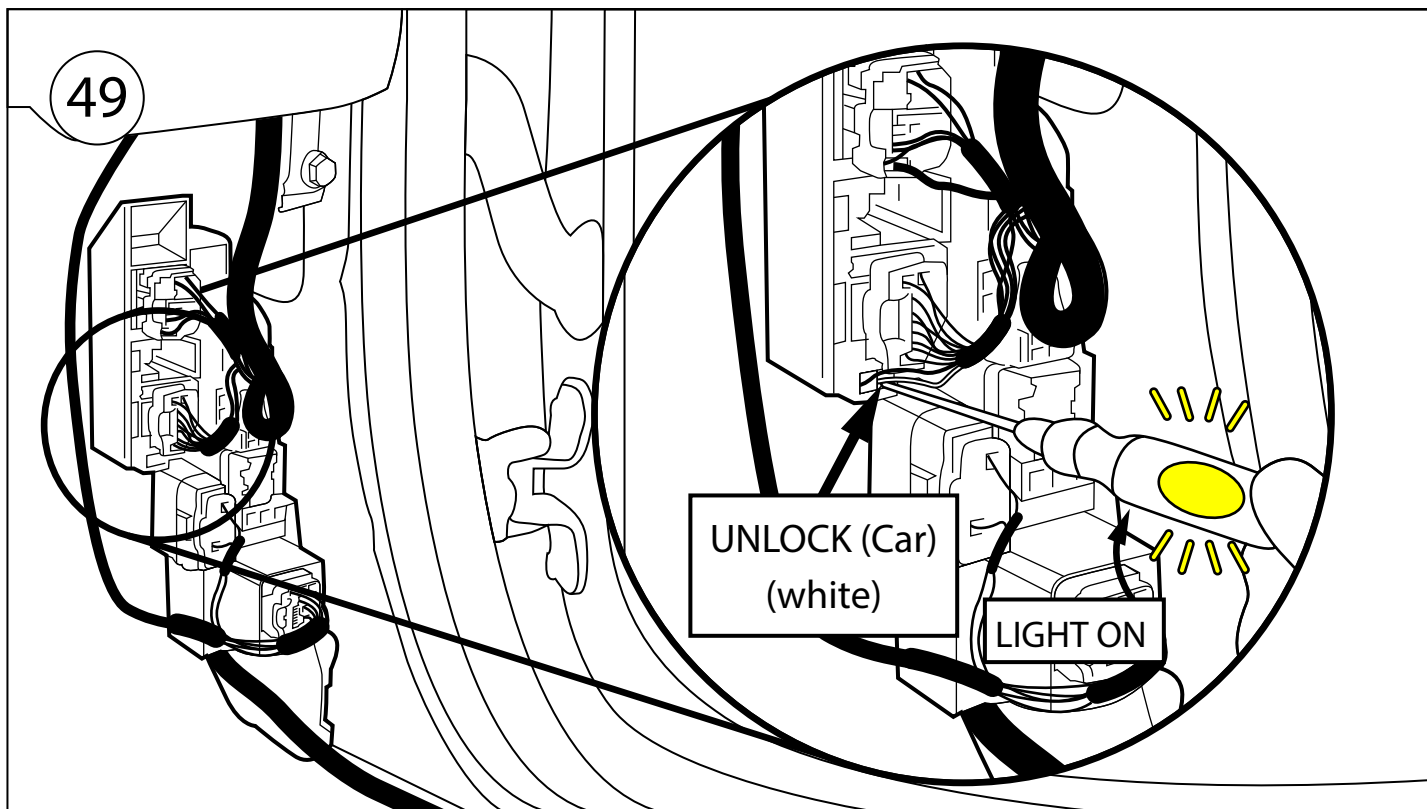


Connects the Blue Wiring (Central Lock/Lock Switch) of the Harness Central Lock No.38 with the Black wiring (BK) of the vehicle (Lock Signal)

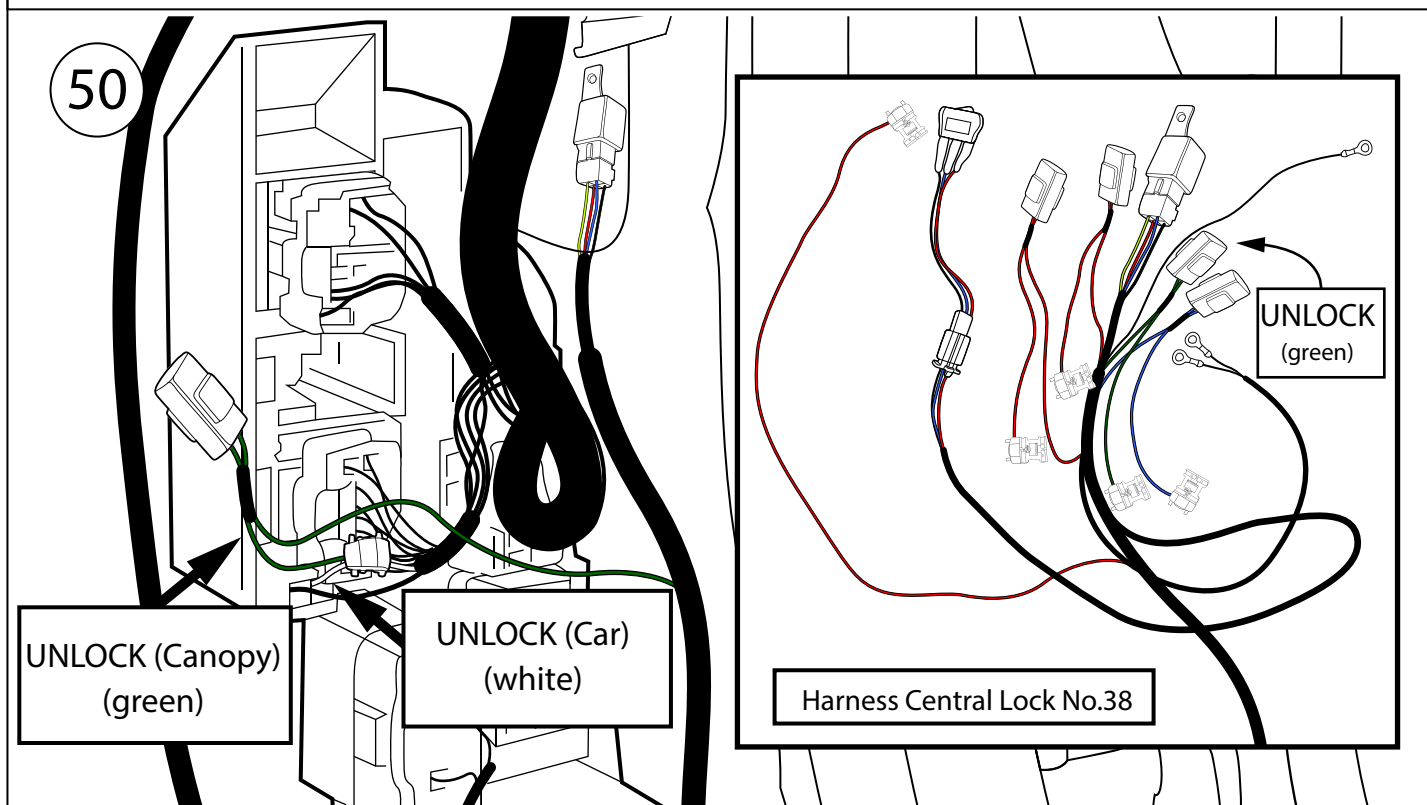


Step of Checking the light of the Central Lock (UnLock), begin with push the UnLock button at the door panel.



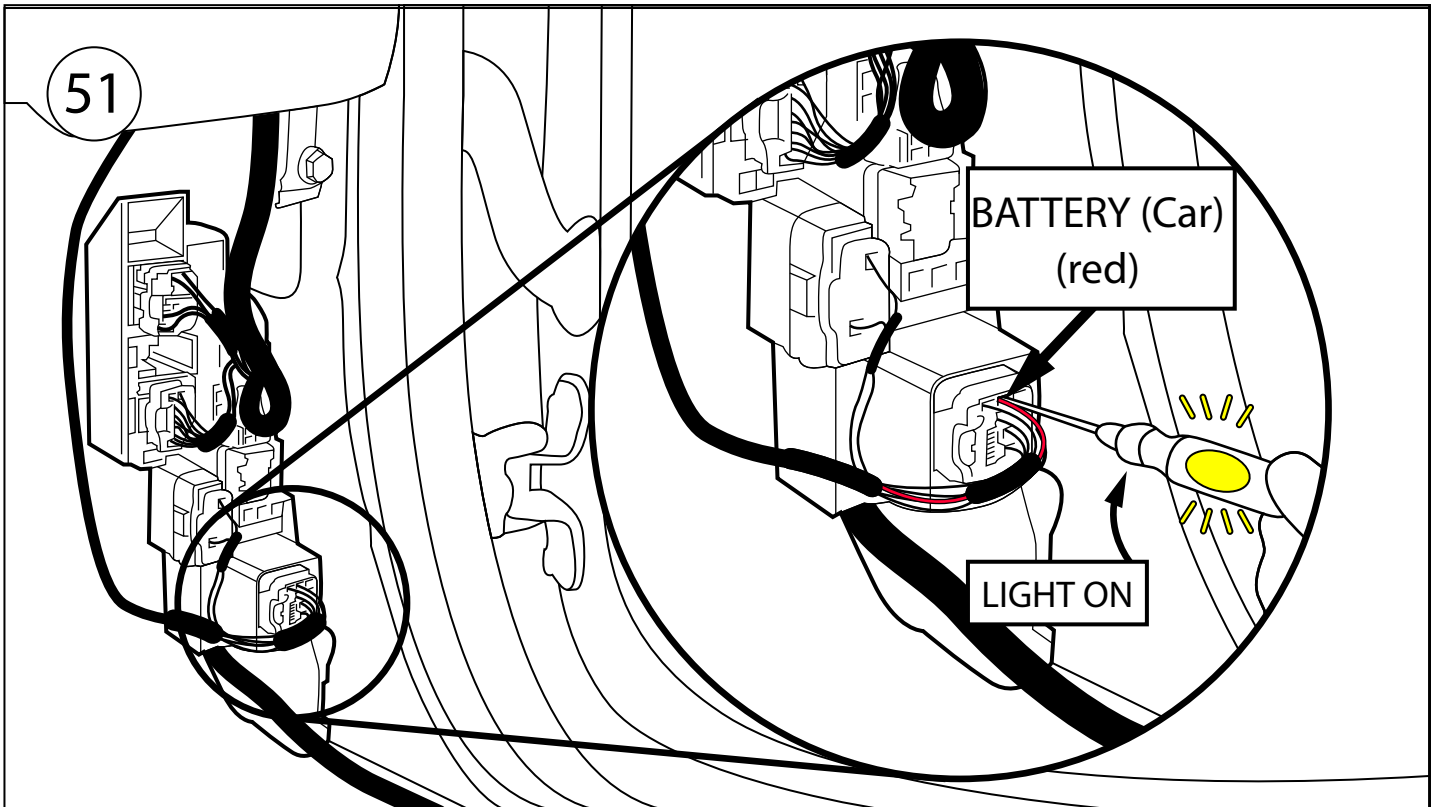


Checking the light of the Central Lock (Lock) of vehicle position by using the Test Lamp kit.

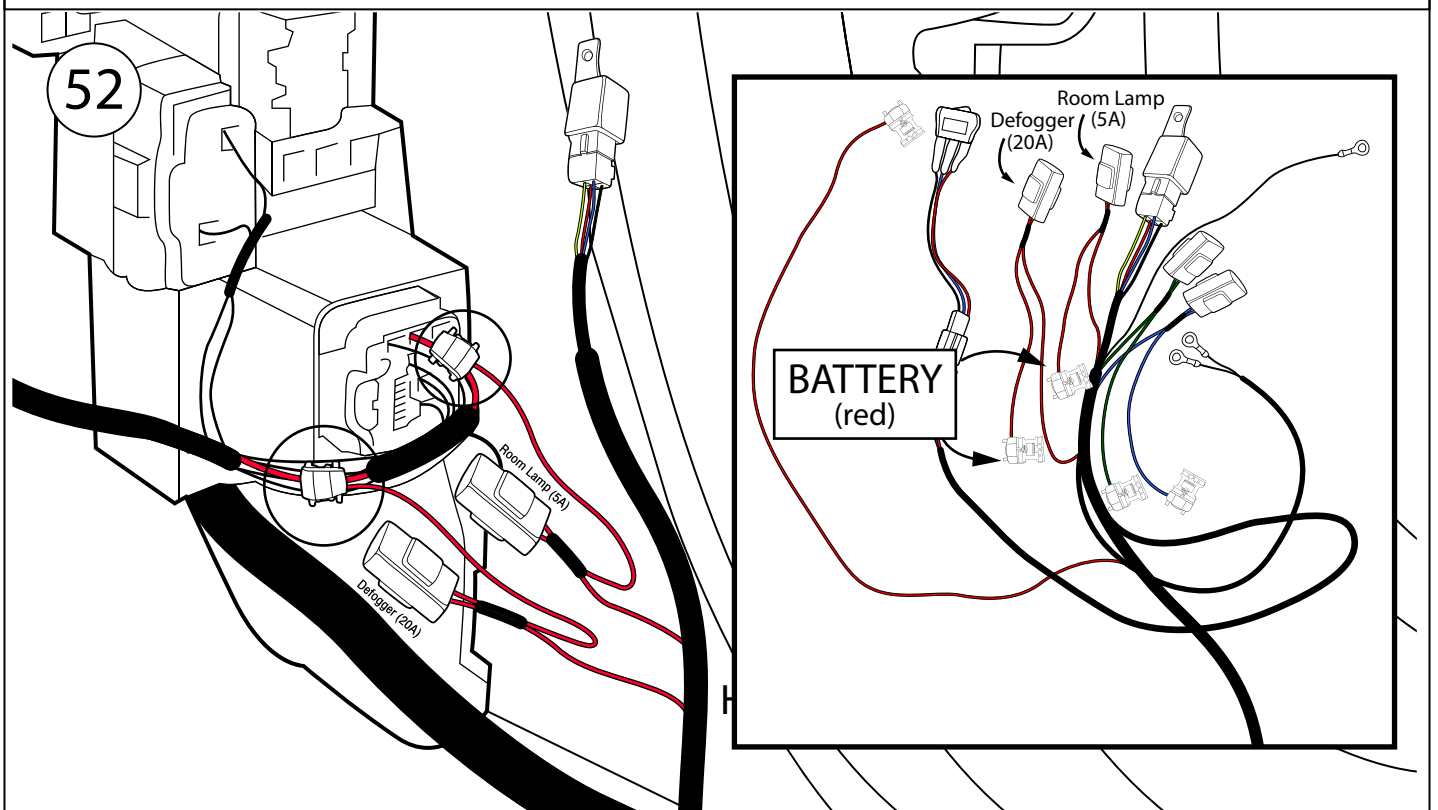


Connects the Green Wiring (Central Lock/Unlock Switch) of the Harness Central Lock No.38 with the White Wiring (WH) of the vehicle (Unlock Signal).

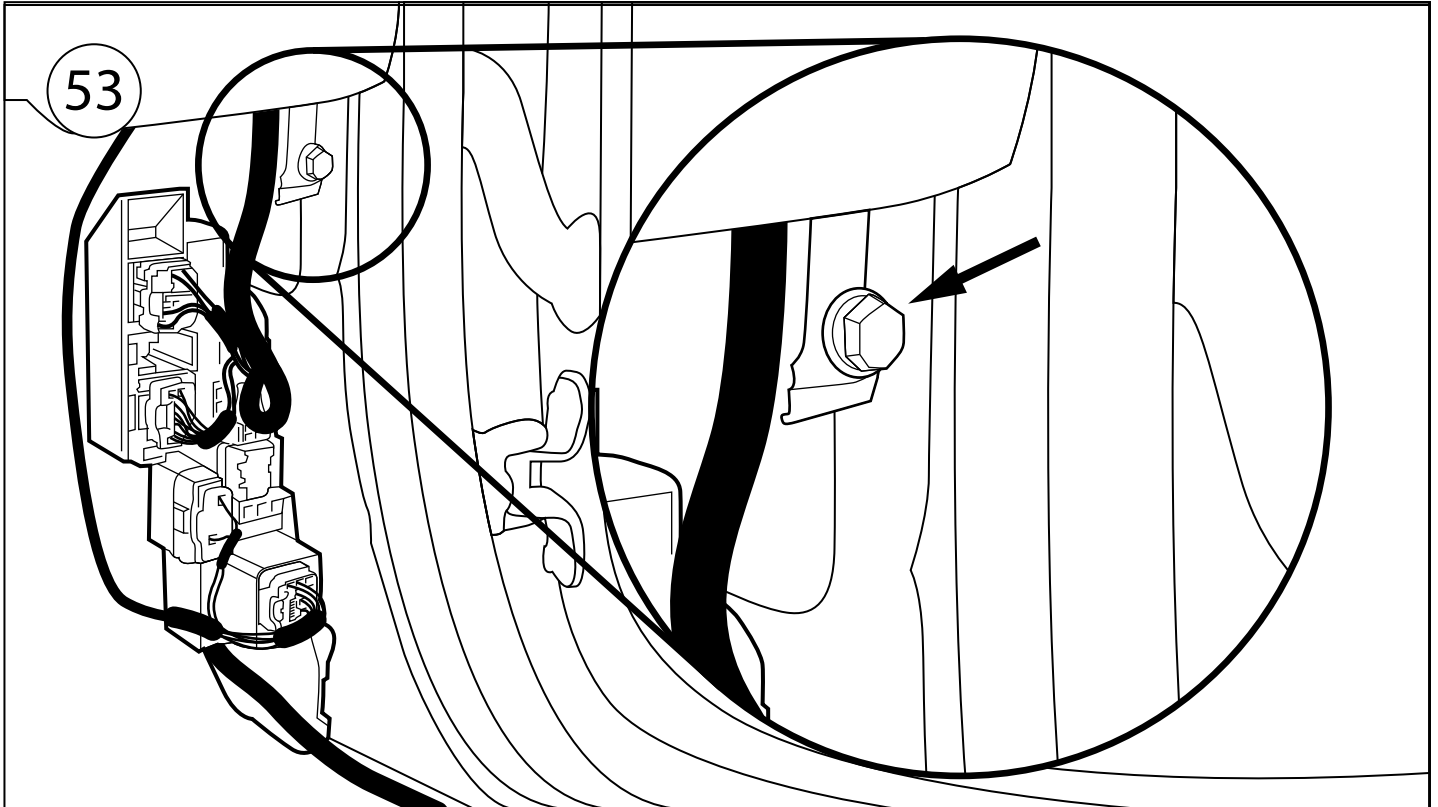




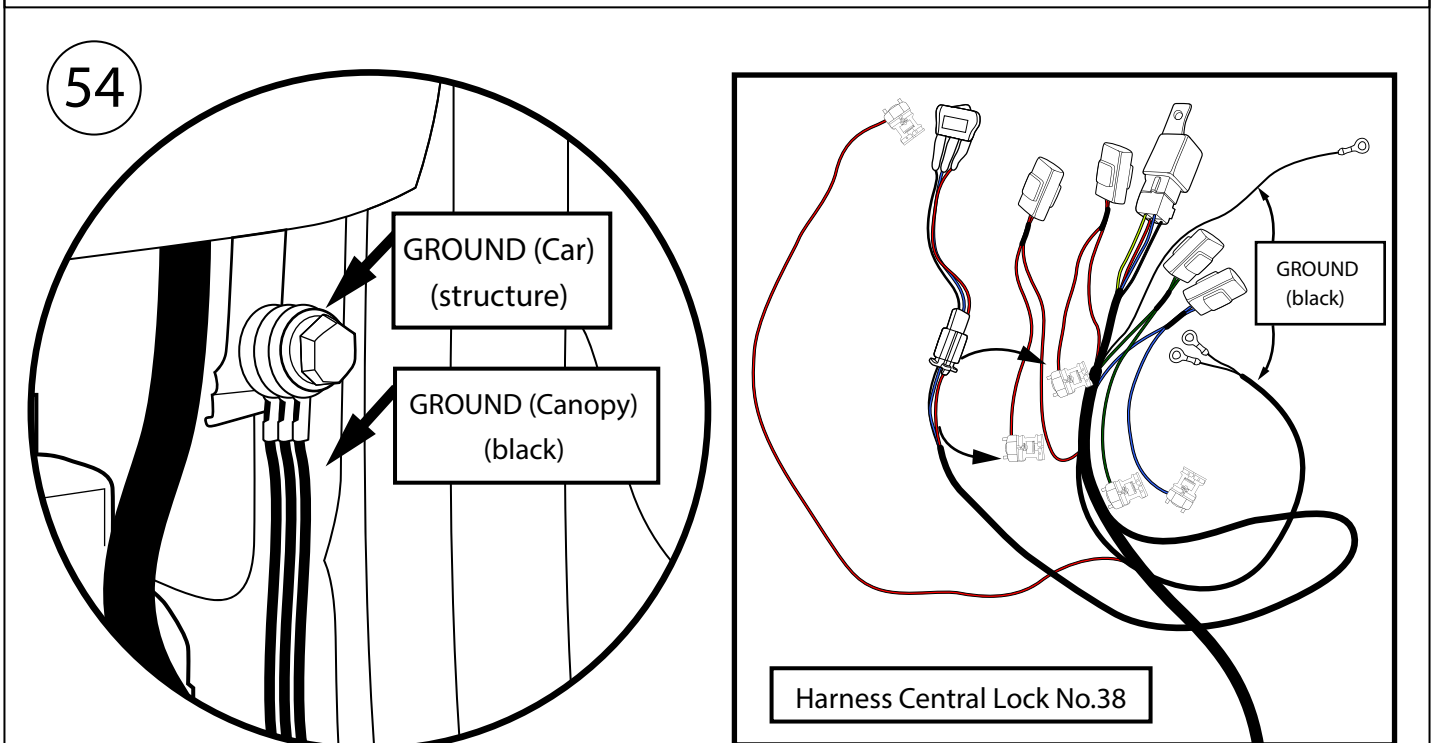
Checking the Battery (12V) light of the vehicle position by using the Test Lamp kit.



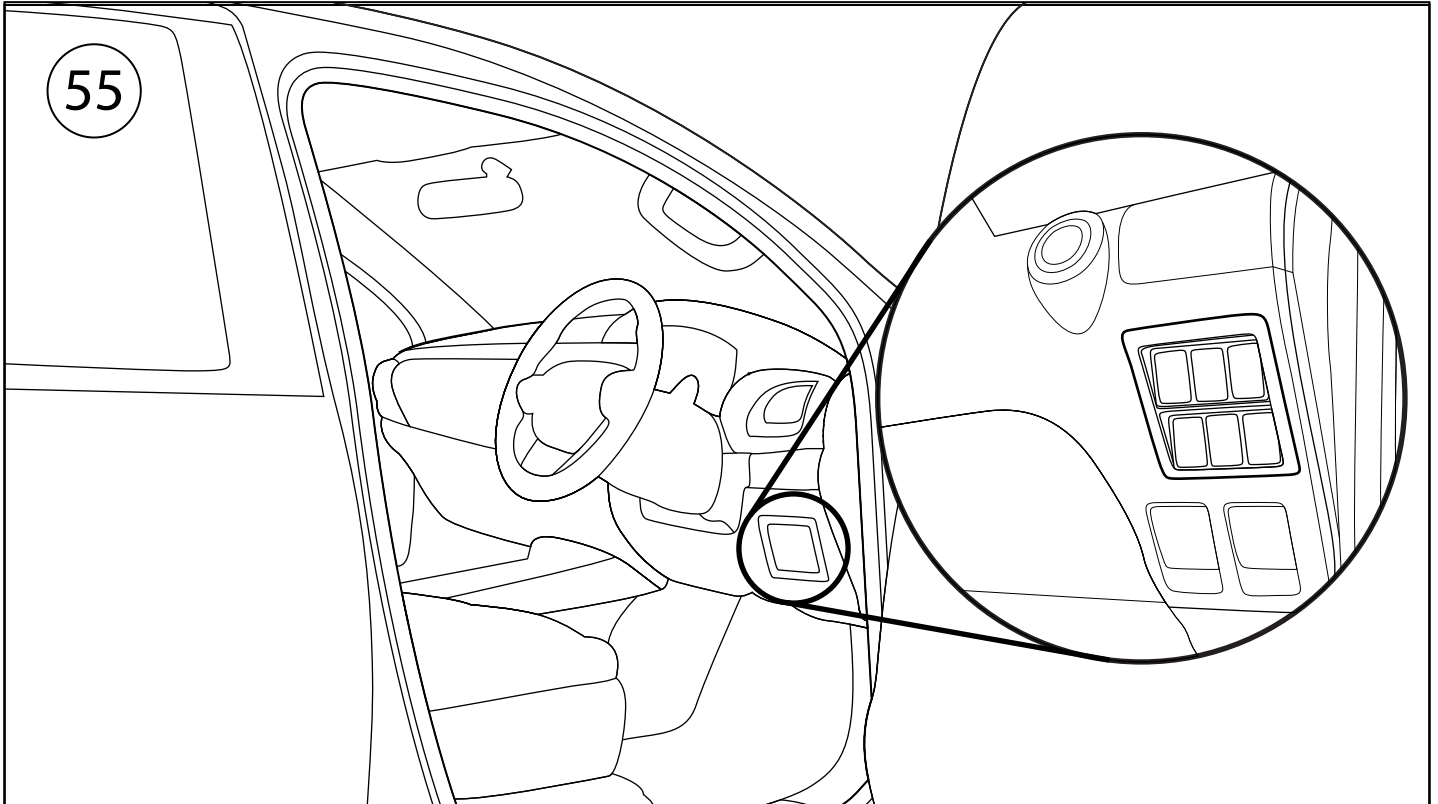
Connects the Red Wiring Defogger (20A) and Red Wiring Room Lamp (5A) of the Harness Central Lock No.38 with the Red Wiring Battery (12V) of the vehicle as shown in picture.



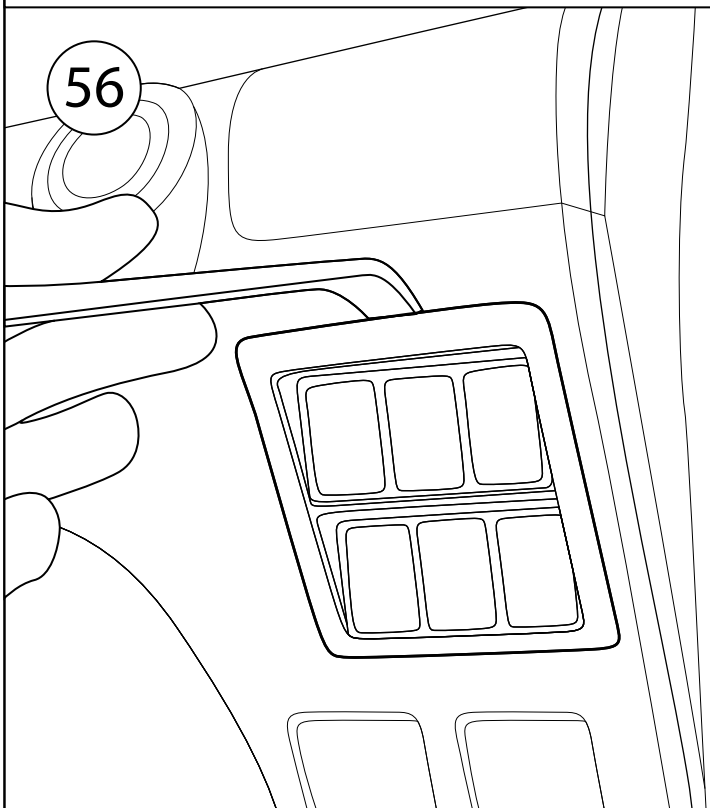
Connecting the Black Wiring (Ground) at the vehicle structure position of the Harness Central Lock No.38.



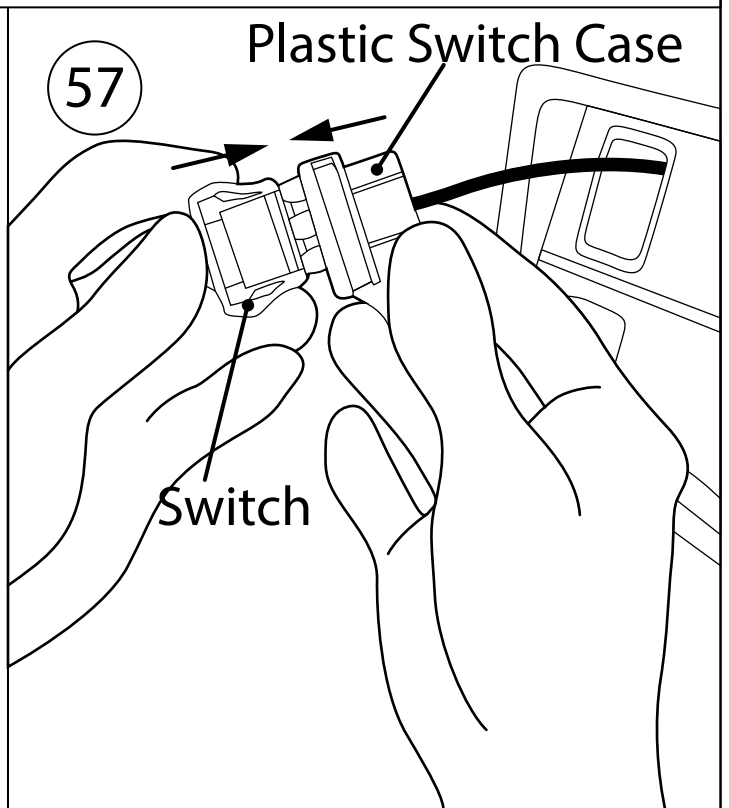
Connects the Black Wiring (GROUND) of the Harness Central Lock No.38 with the vehicle structure, tighten the screws properly.



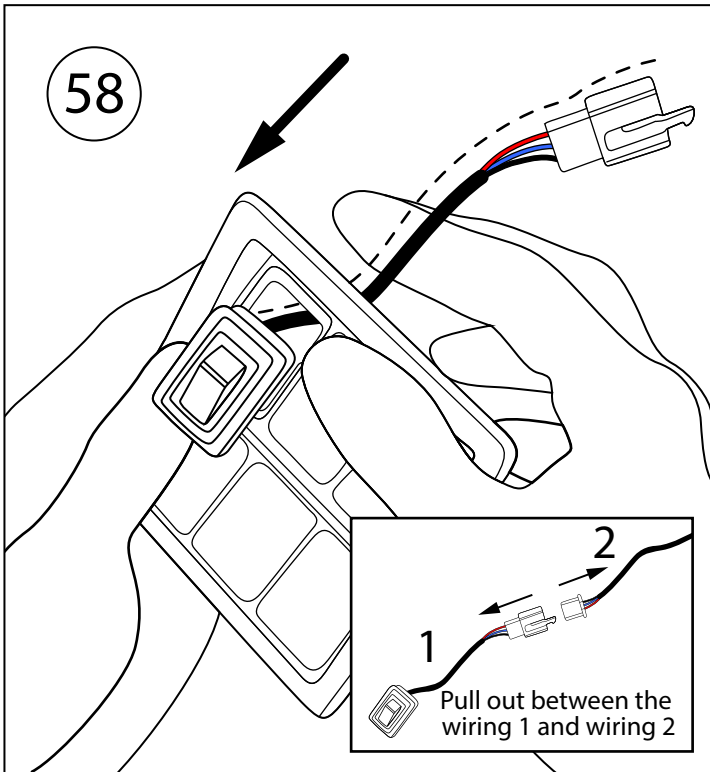
The position of Defogger Switch installation of the Harness Central Lock No.38.



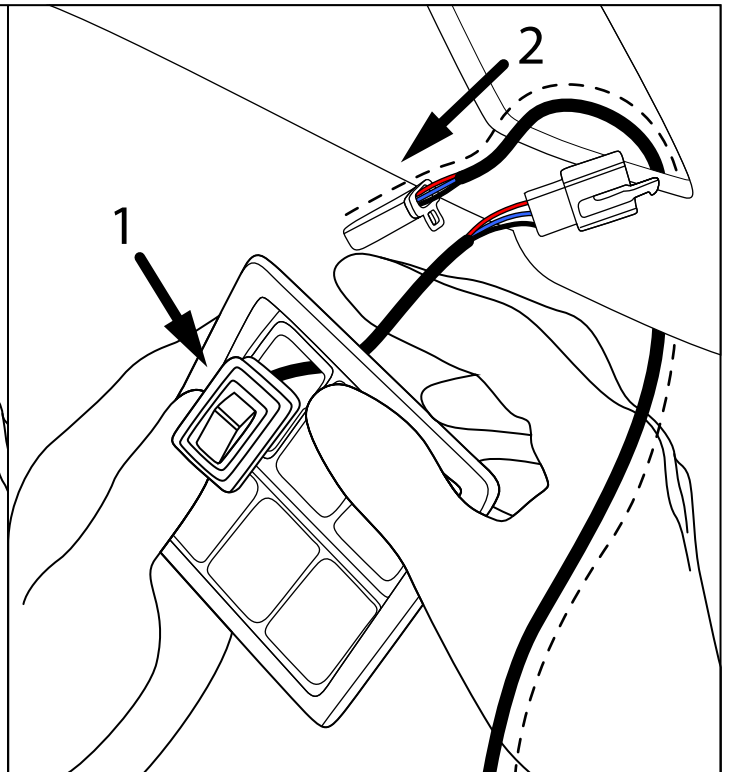
Take off the vehicle switch cover by using plastic tools.



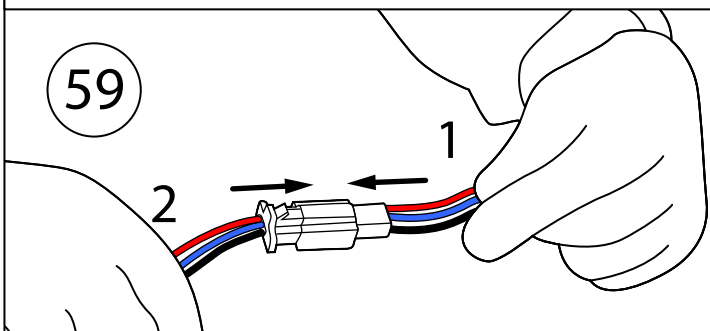
Assemble the Switch Cover with the Harness Central Lock No.38 Wiring Switch.



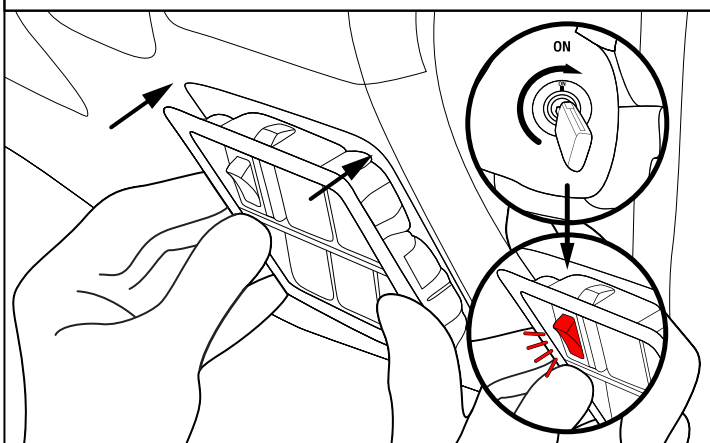
Running the Switch Wiring of the Harness Central Lock No.38 through the Switch Cover pipe of the vehicle.



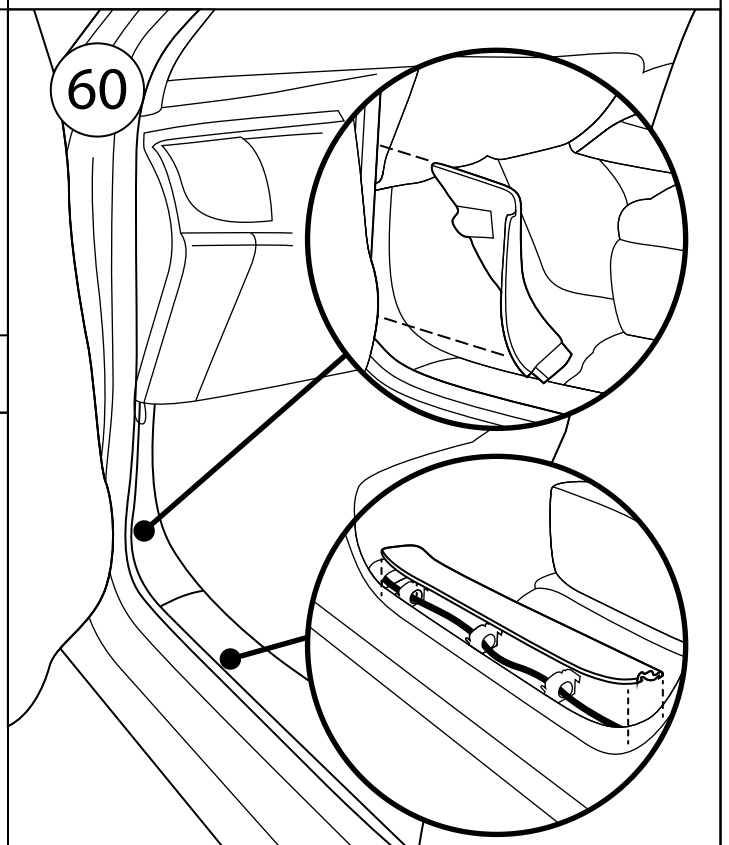
After finish the installation step no.19 then run the 2 wiring via the switch cover pipe under the console.



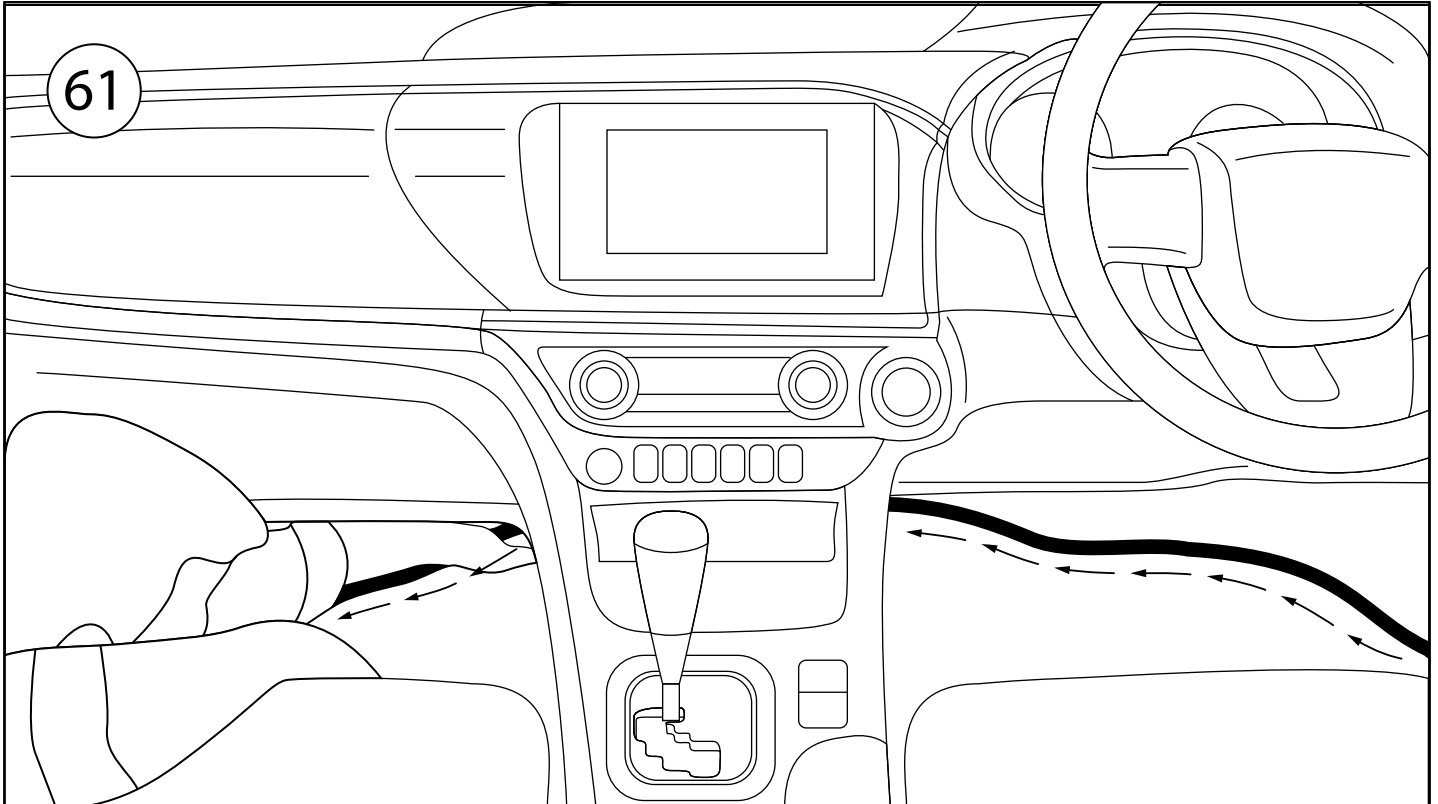
Connects between the 1 wiring and the 2 wiring.



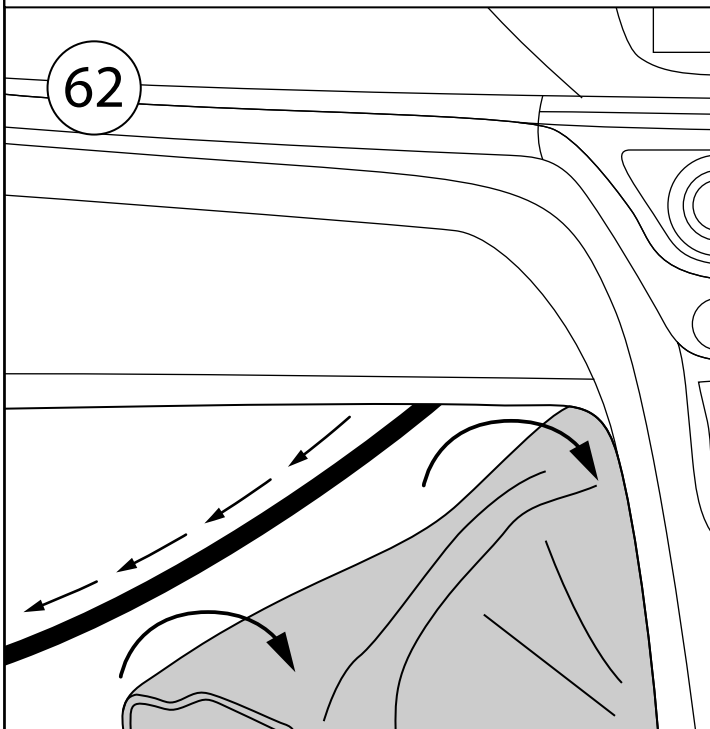
Close the cover. After that, check the working process by turn on and push the switch. The light must be on.



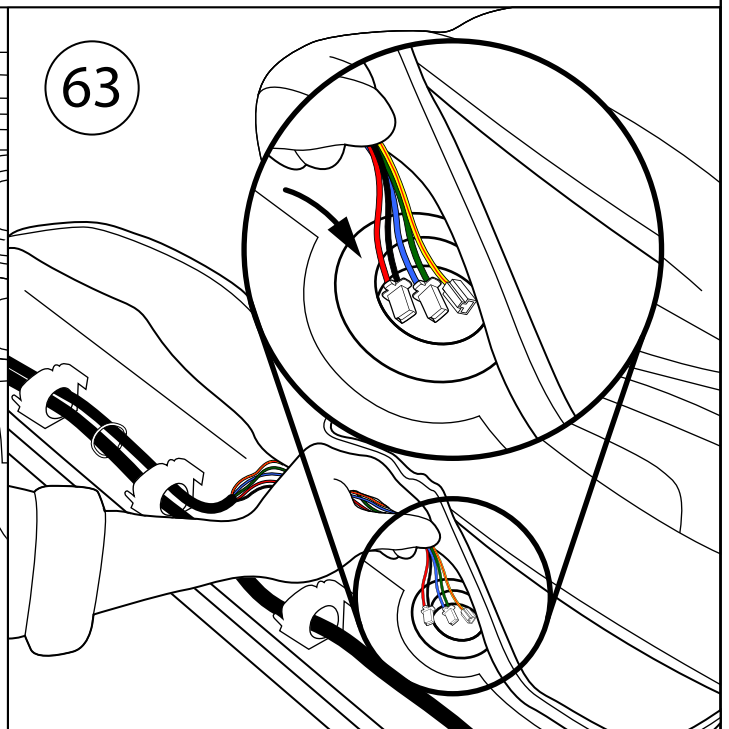
Take off the vehicle wiring cover of the passenger side in order to run the wiring from the driver side through the passenger side.



Running the wiring from the driver side through the passenger side as shown in picture.



Take off the vehicle rubber pad in order to keep/hide the wiring.



Running the Harness Central Lock No.38 wiring along with the vehicle wiring by using the Cable Tie for tightening, then running the wiring into the vehicle structure hole.





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## The Step of wiring running diagram

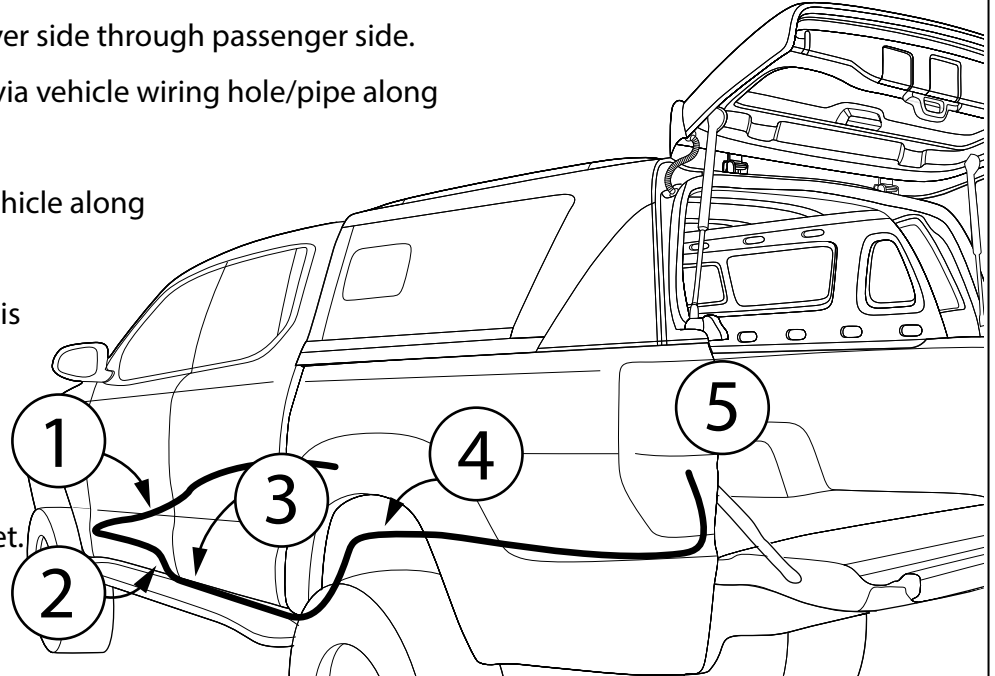
Point 1 Wiring running from driver side through passenger side.

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

Point 3 Wiring that run under vehicle along the chassis.

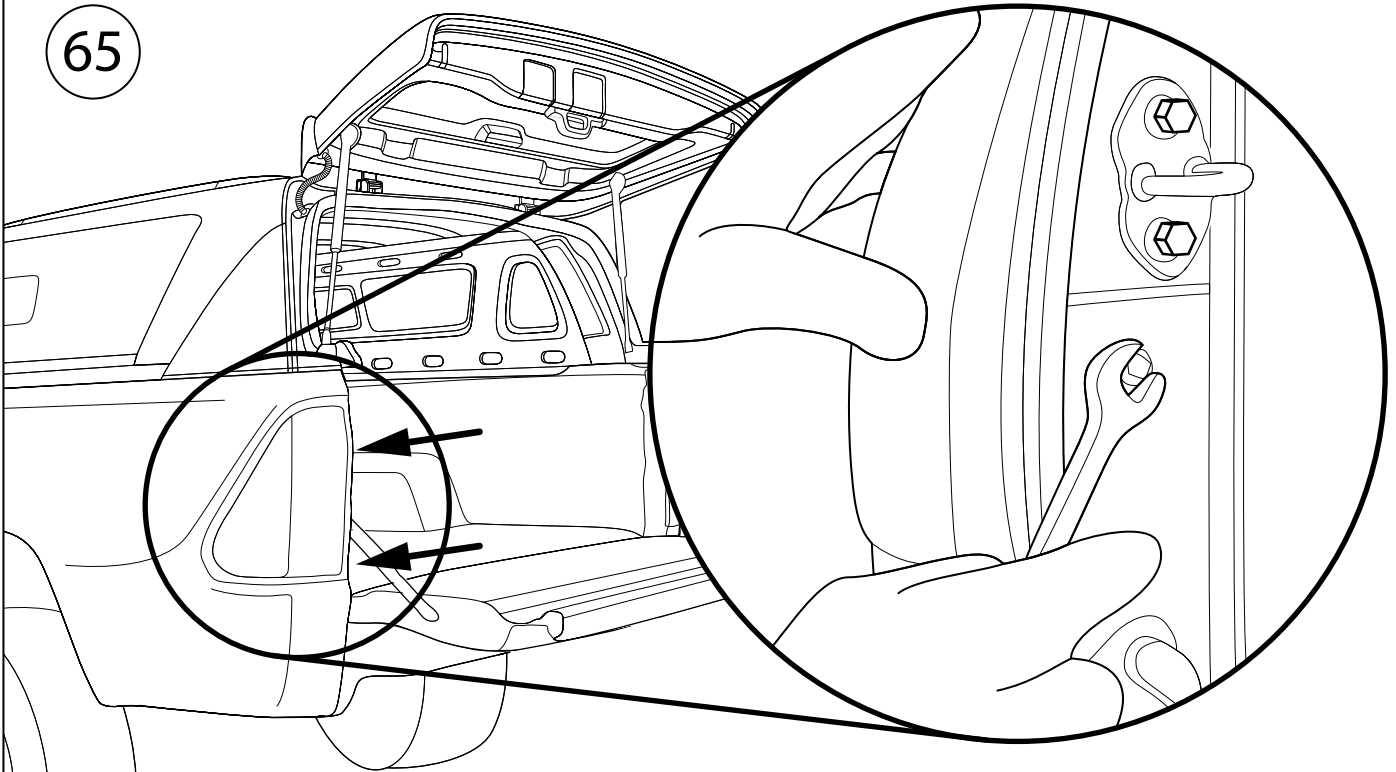
Point 4 Wiring that run via chassis at the fender area.

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



## The Step of wiring running diagram for the Harness Central Lock No.38

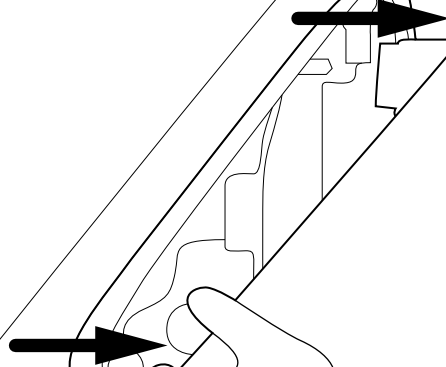
65



Take off the Rear Light by using wrench No.10



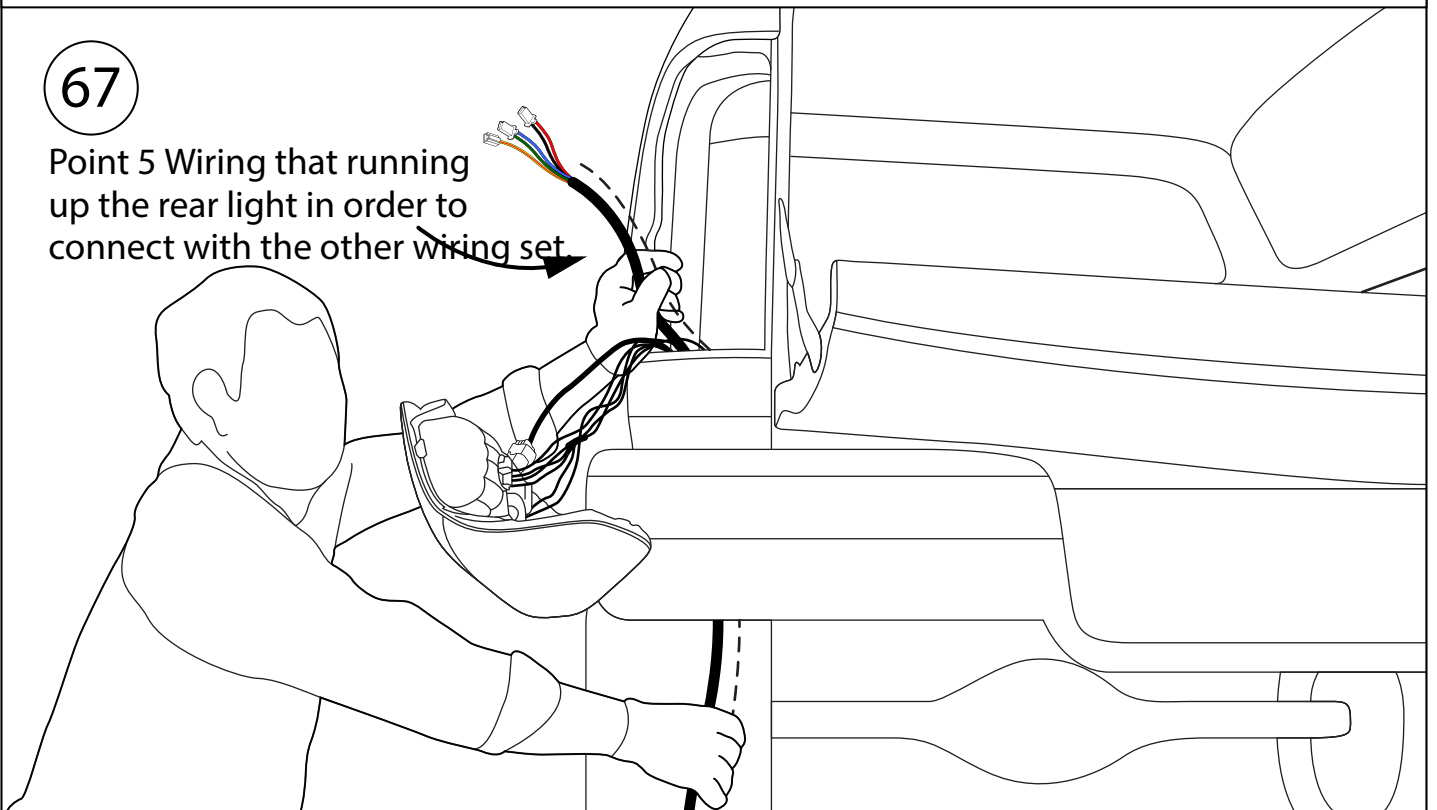
66



Take off the Rear Light vehicle.

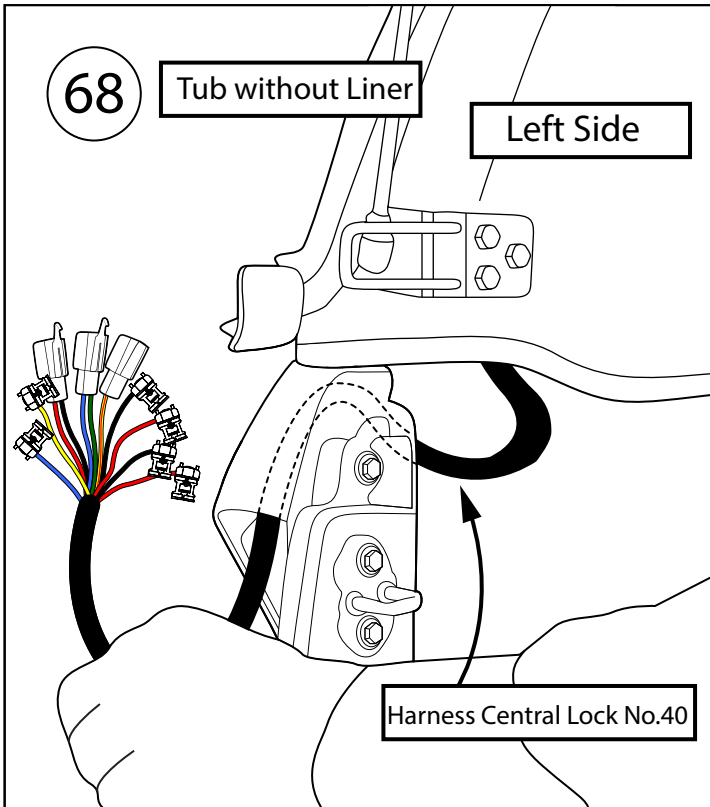
67

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

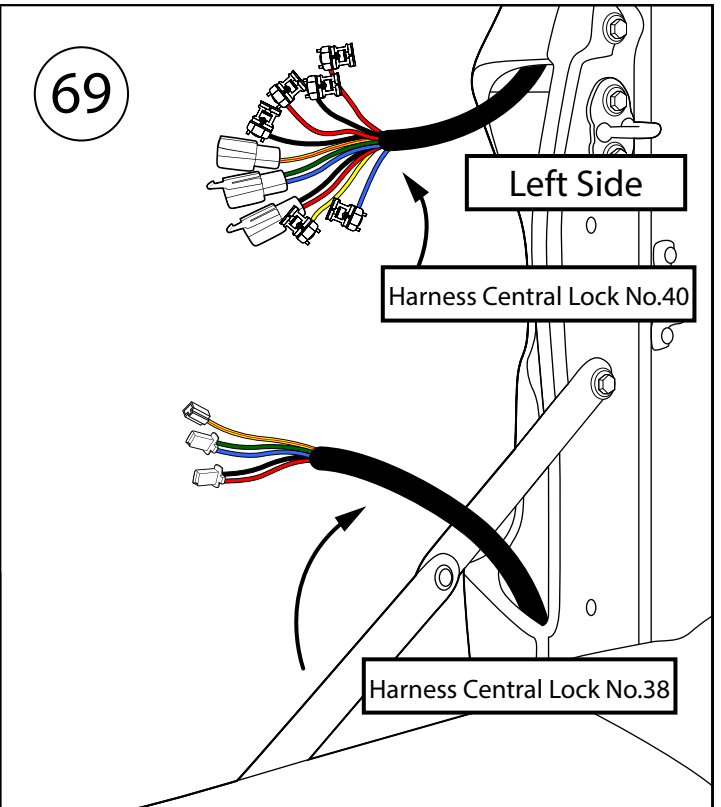


Running the Harness Central Lock No.38 up to the vehicle rear light in order to connects with the Harness Central Lock No.40.

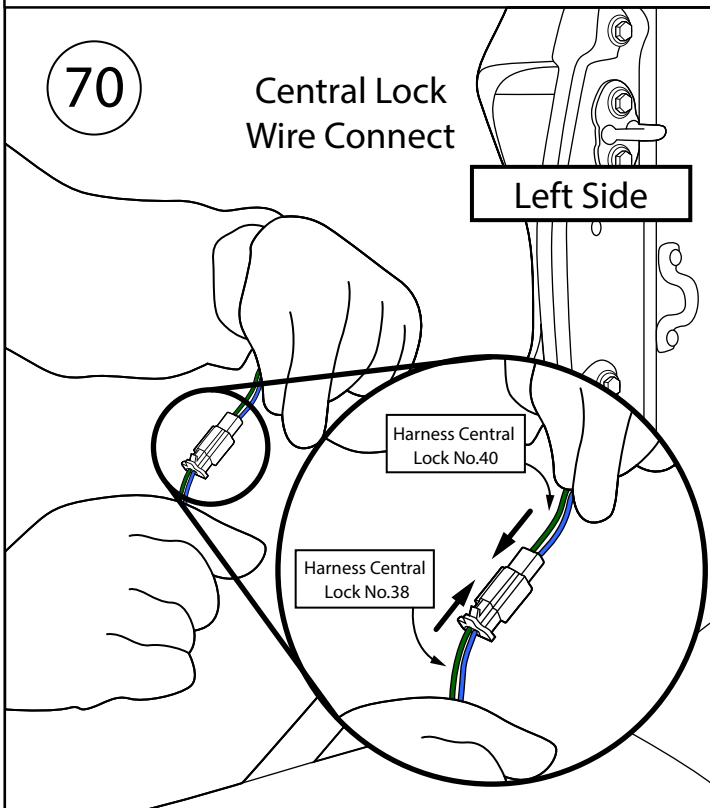




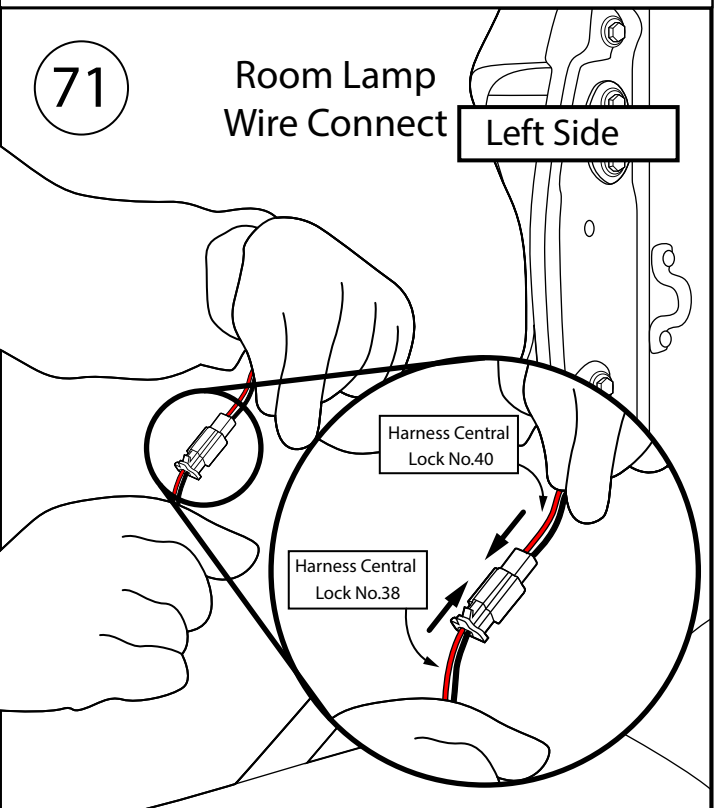
Run the Harness Central Lock No.40 along the vehicle tub channel out of the Rear Light Socket.



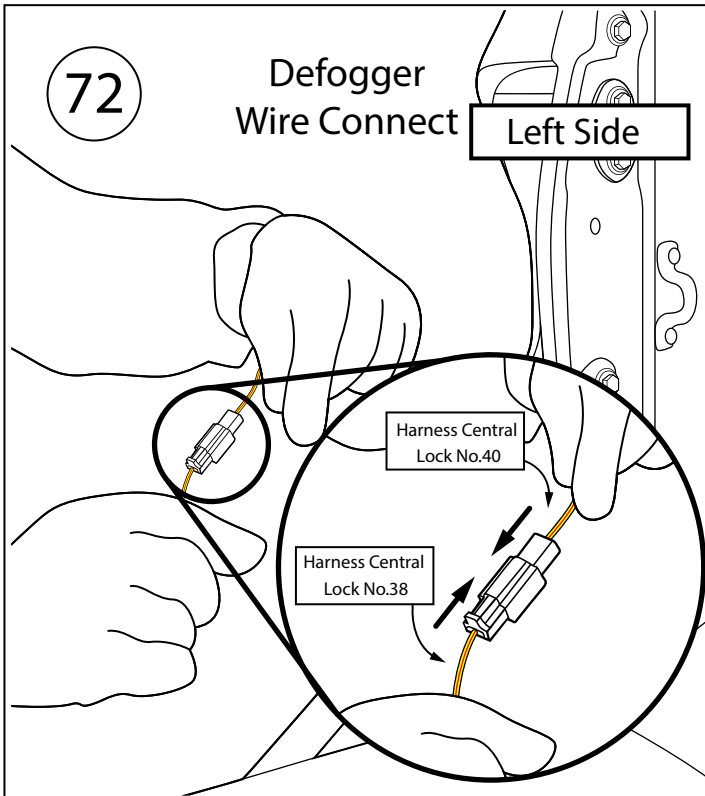
The Harness Central Lock No.40 wiring vehicle position and the Harness Central Lock No.38 wiring set.



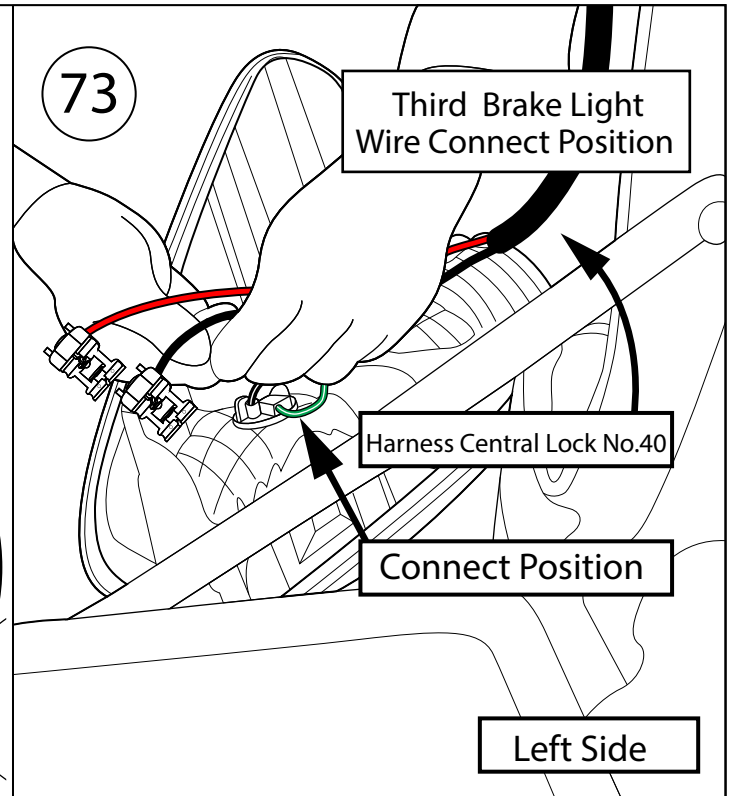
The process of connecting the Central Lock (BL,DG) wiring of the Harness Central Lock No.40 with the Central Lock (BL,DG) wiring of the Harness Central Lock No.38.



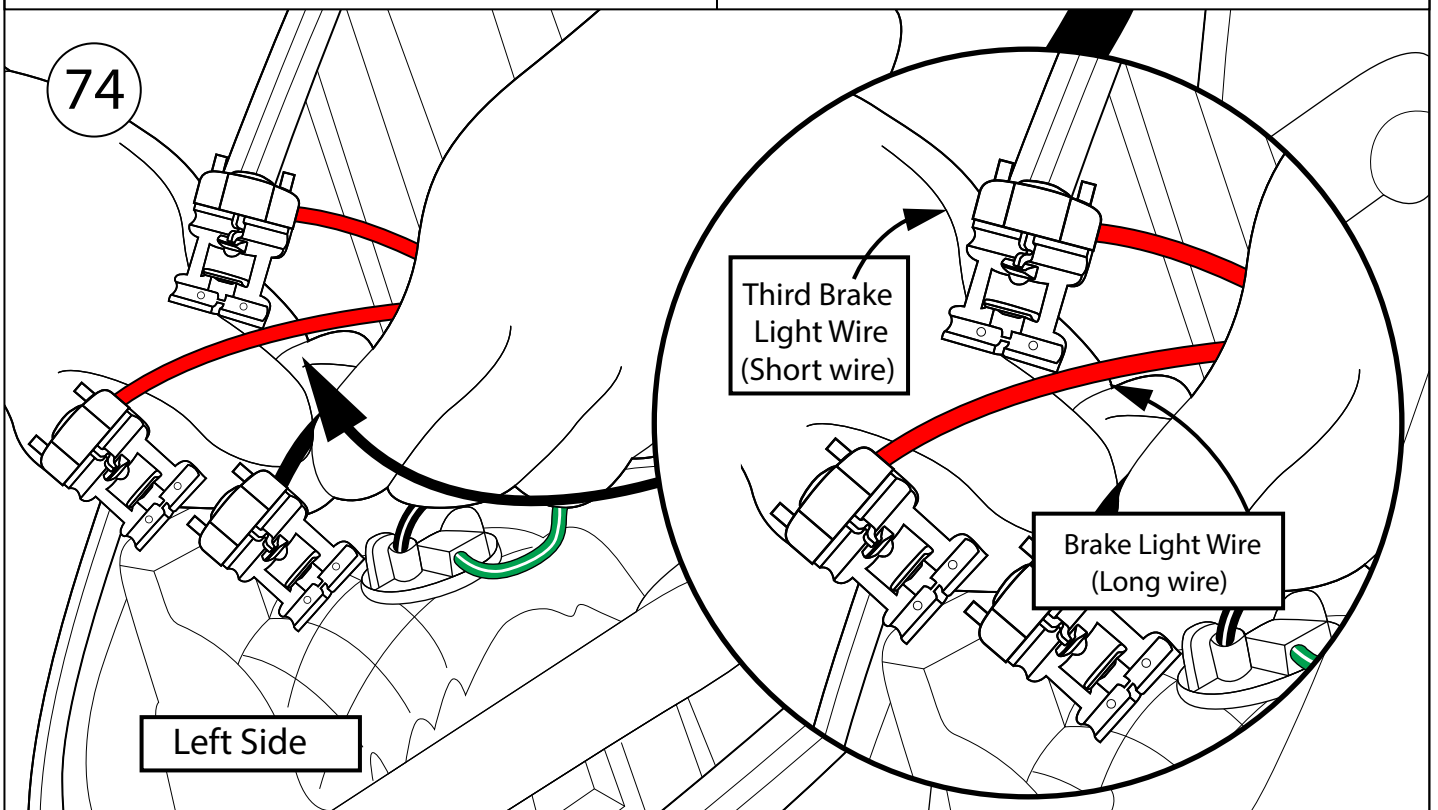
The process of connecting the Room Lamp (RD,BK) wiring of the Harness Central Lock No.40 with the Room Lamp (RD,BK) wiring of the Harness Central Lock No.38.



The step of connecting the Defogger (YL/RD) wiring of the Harness Central Lock No.40 with the Defogger (YL/RD) wiring of the Harness Central Lock No.38.



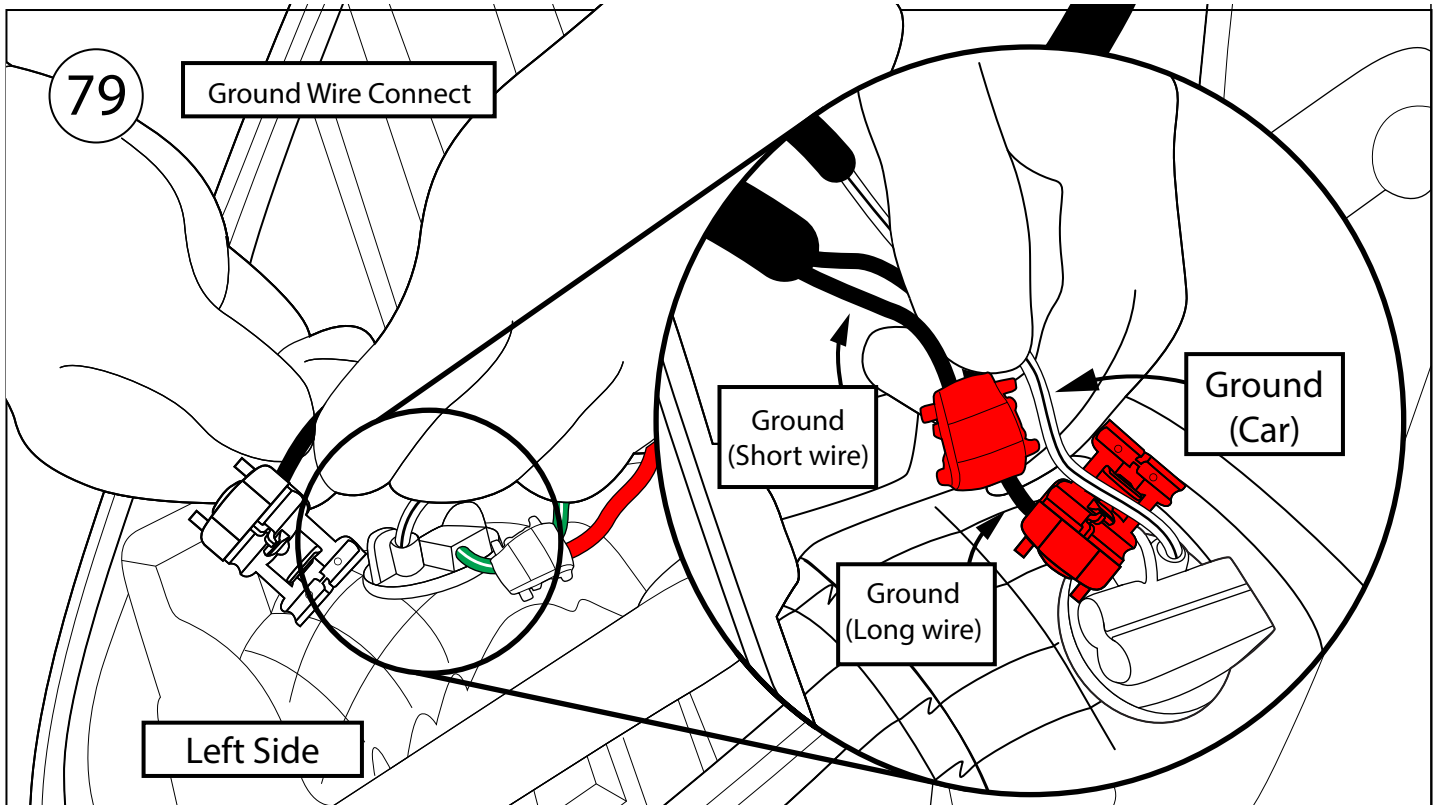
The position of connecting the Red and Black Wiring of the Third Brake Light (RD,BK) circuit of the Harness Central Lock No.40 with the vehicle rear light.



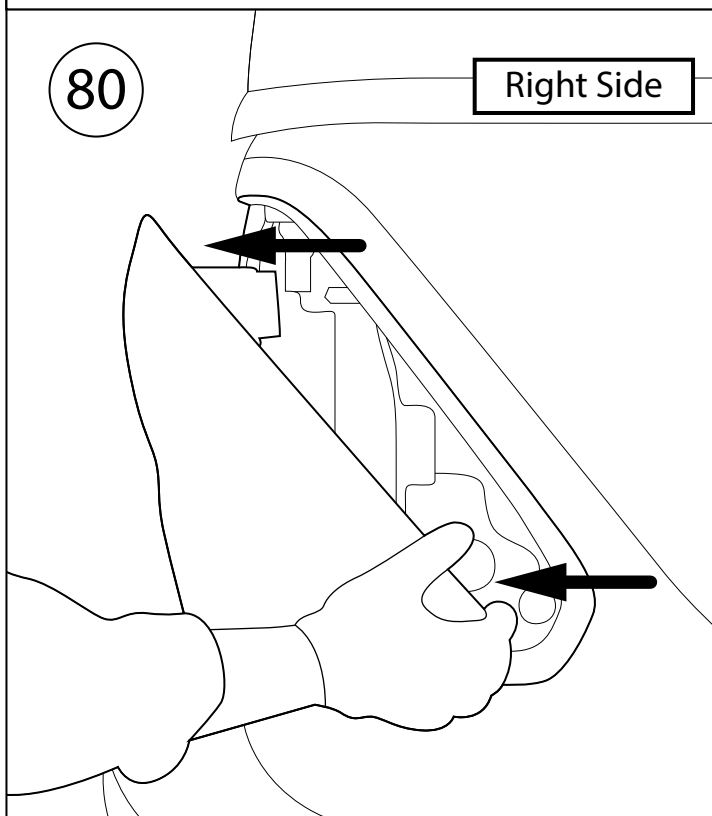
Third Brake Wiring (Short wire,Red wire) of the Harness Central Lock No.40 and Brake Light (Long wire,Red wire) of the Harness Central Lock No.40



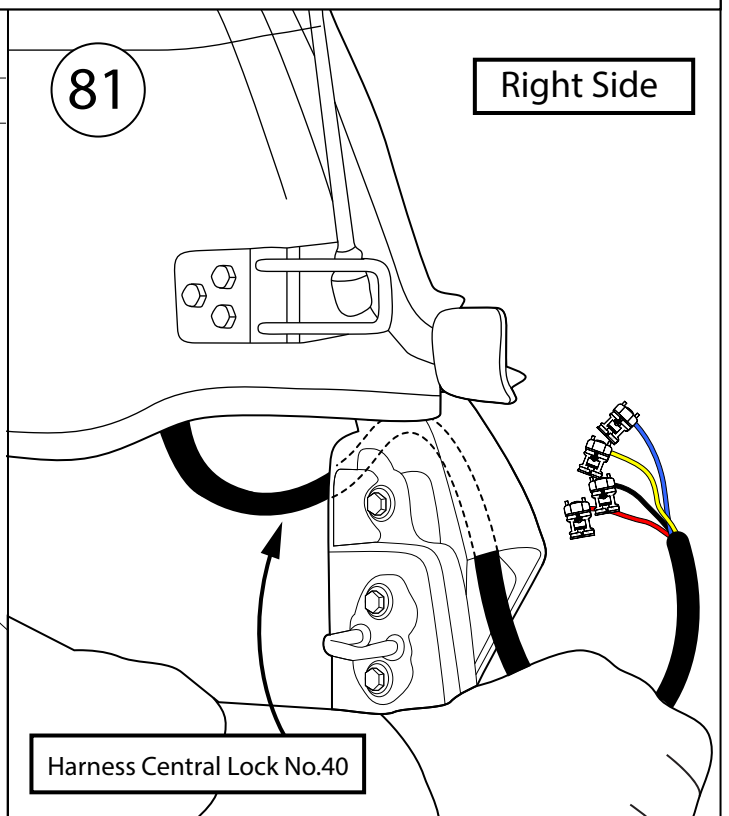
<p>75</p> <p>Third Brake Light Wire Connect</p> <p>Brake Light Wire (Long wire)</p> <p>Third Brake Light Wire (Short wire)</p> <p>Left Side</p>	<p>76</p> <p>Brake Light Wire Connect</p> <p>Left Side</p>
<p>Bring the red wiring,Third Brake Light (Short wire) of the Harness Central Lock No.40 connecting with Brake Light (Long wire) of the Harness Central Lock No.40.</p>	<p>After finish the installation step no.37 Bring the Red Wiring, Brake wiring (Long wire) of the Harness Central Lock No.40 connecting with the wiring (Green/White wire) of the vehicle.</p>
<p>77</p> <p>Dim Light Wire Connect</p> <p>Left Side</p>	<p>78</p> <p>Turn Light Wire Connect</p> <p>Left Side</p>
<p>Bring the blue wiring,Dimlight of the Harness Central Lock No.40 connecting with Dimlight of the vehicle (green wiring).</p>	<p>Bring the yellow Wiring, Turn light wiring (YL) of the Harness Central Lock No.40 connecting with Turn Light wiring of the vehicle green/yellow wire (GN/YL).</p>



Bring the Black Wiring, GROUND (Short wire) and GROUND (Long wire) of the Harness Central Lock No.40 connecting with the White/Black (WH/BK) Ground wiring of the vehicle rear light.



Take off the Rear Light vehicle.



Running the Harness Central Lock No.40 along the vehicle tube through the rear light.





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## Brake Light Wire Connect

Right Side

83

## Dim Light Wire Connect

Right Side

84

## Turn Light Wire Connect

Right Side

85

## Ground Wire Connect

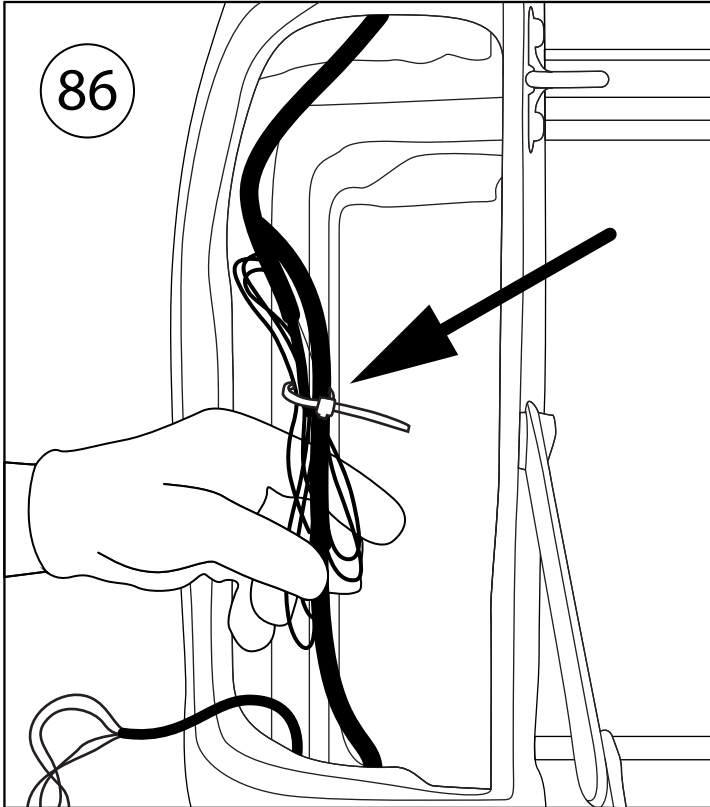
Right Side

Bring the Red Wiring, Brake wiring (RD) of the Harness Central Lock No.40 connecting with the wiring (Green/White wire) of the vehicle.

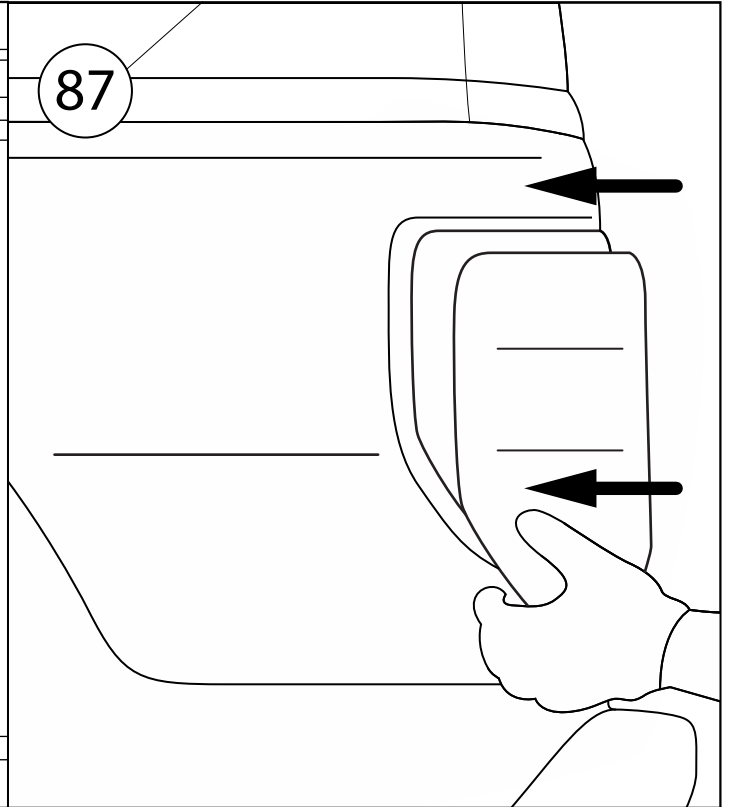
Bring the blue wiring, Dimlight of the Harness Central Lock No.40 connecting with Dimlight of the vehicle (green wiring).

Bring the yellow Wiring, Turn light wiring (YL) of the Harness Central Lock No.40 connecting with the Green/Yellow wiring (GR/YL) Turn Light wiring of vehicle.

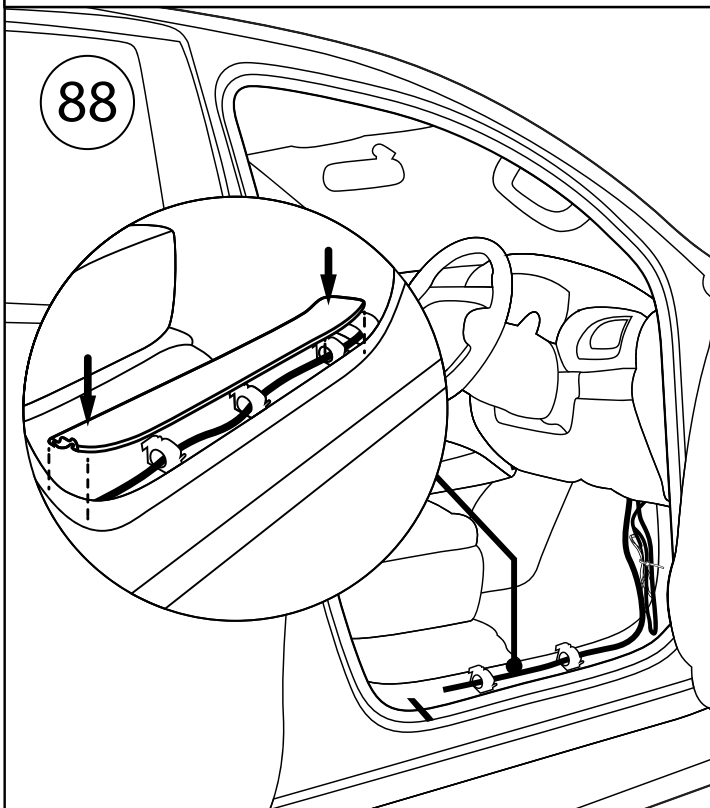
Bring the Black Wiring, GROUND of the Harness Central Lock No.40 connecting with the White/Black (WH/BK) Ground wiring of the vehicle rear light.



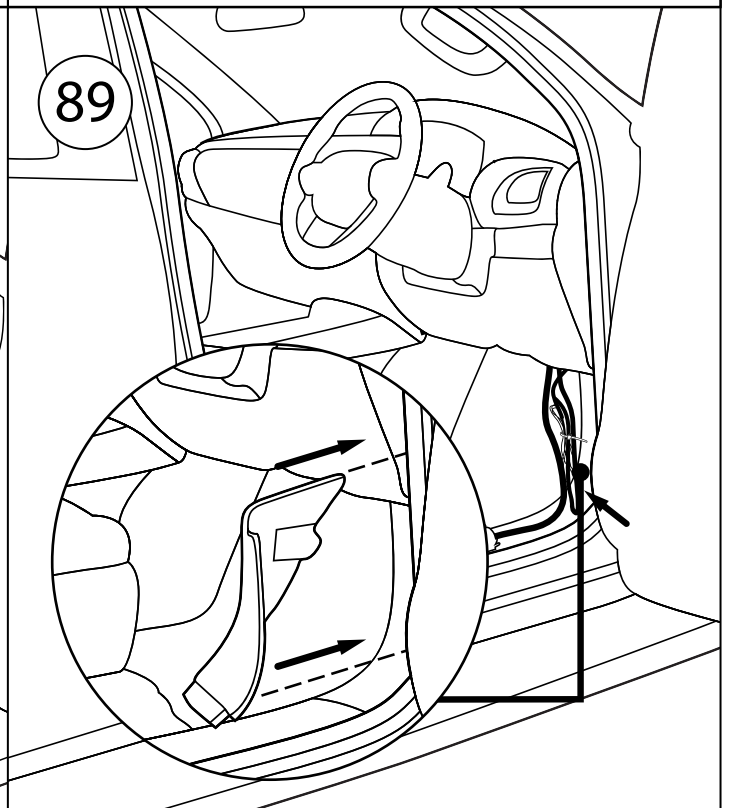
Tight up all the wiring by using the Cable Tie



Reassemble the vehicle rear light.



Tight up the wiring at the driver side by using the Cable Tie, then close the vehicle cover.



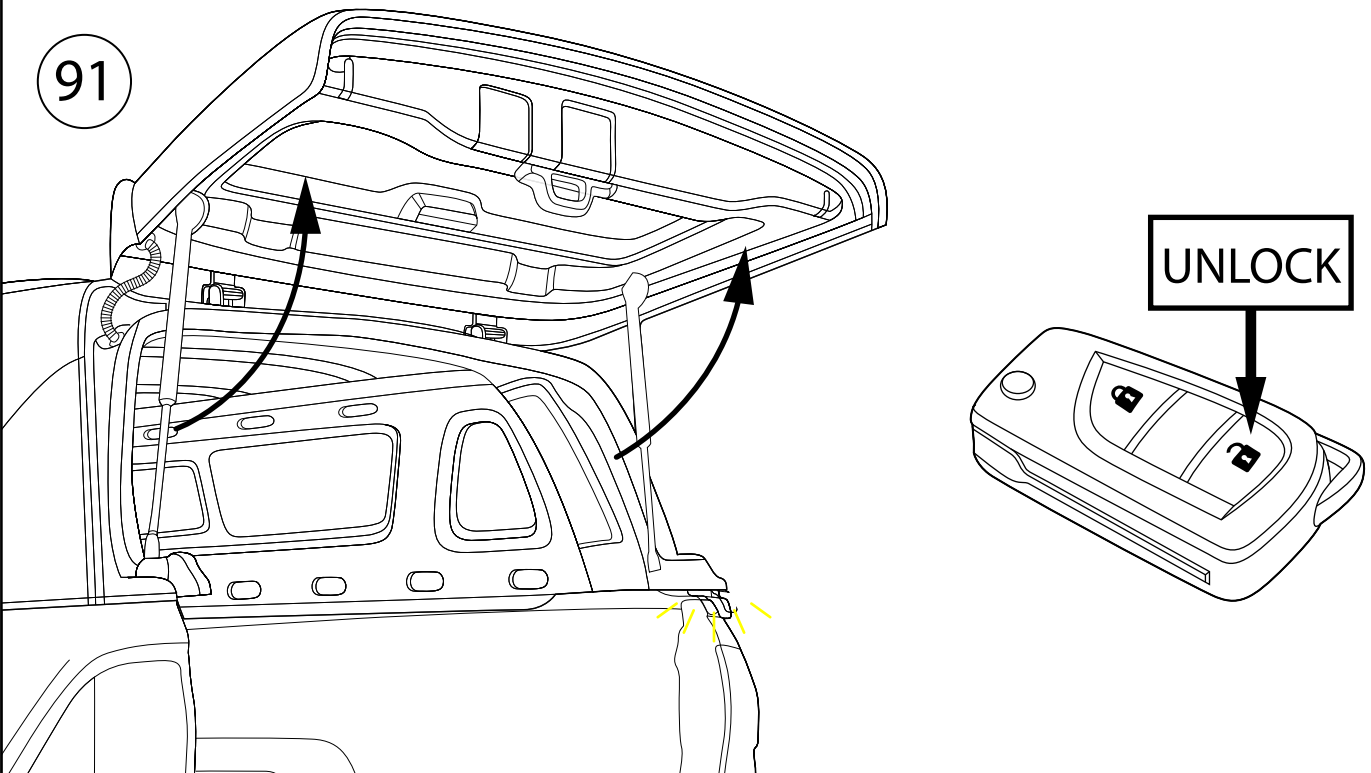
90

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.

91

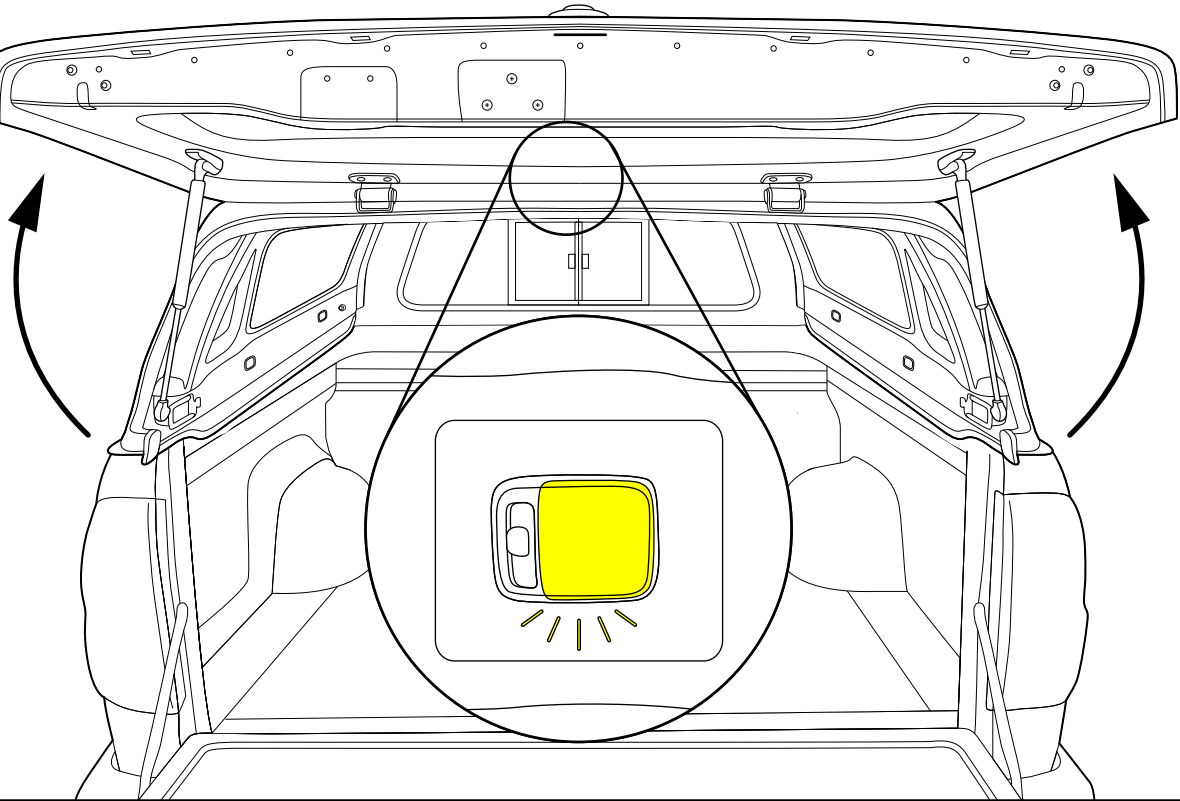


Central Lock checking by pressing the vehicle remote key at the Unlock position, Canopy will be open.





92



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



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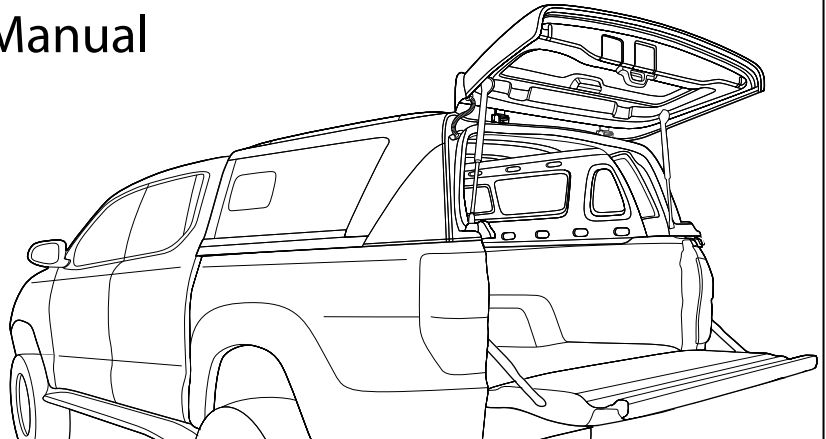
# Electric Lock Installation



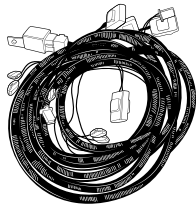
## Electric Lock Installation Manual

EBW

### TL-1

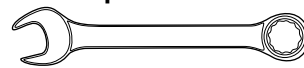


#### Canopy Wire set



C1: Harness Central  
Lock No.38

#### Require Tool



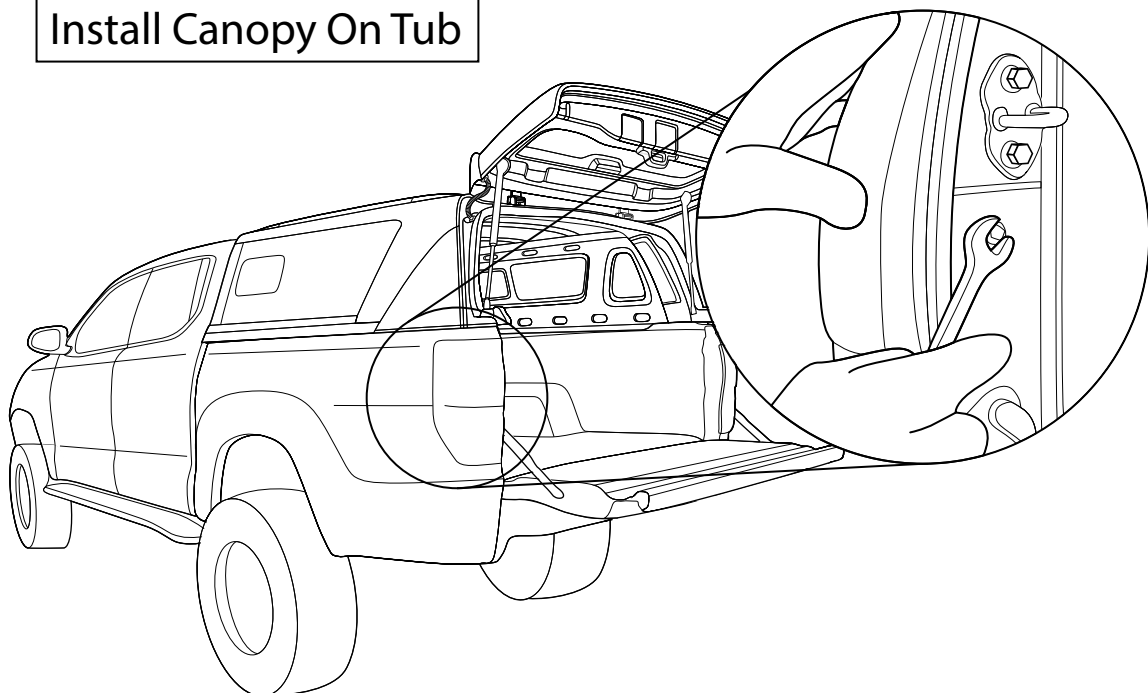
T1 : 10 mm. Wrench



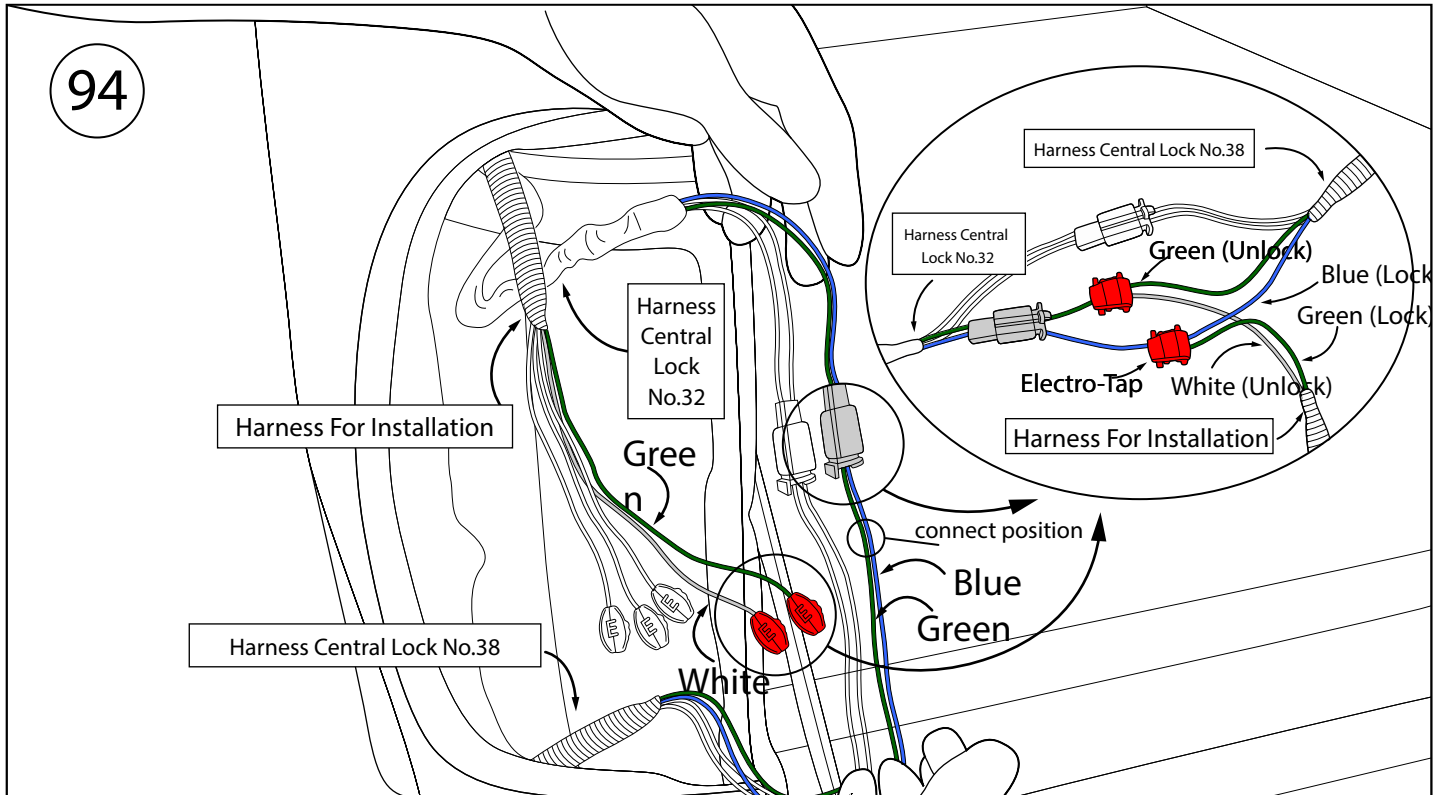
T2 : 19 mm. Wrench

93

#### Install Canopy On Tub

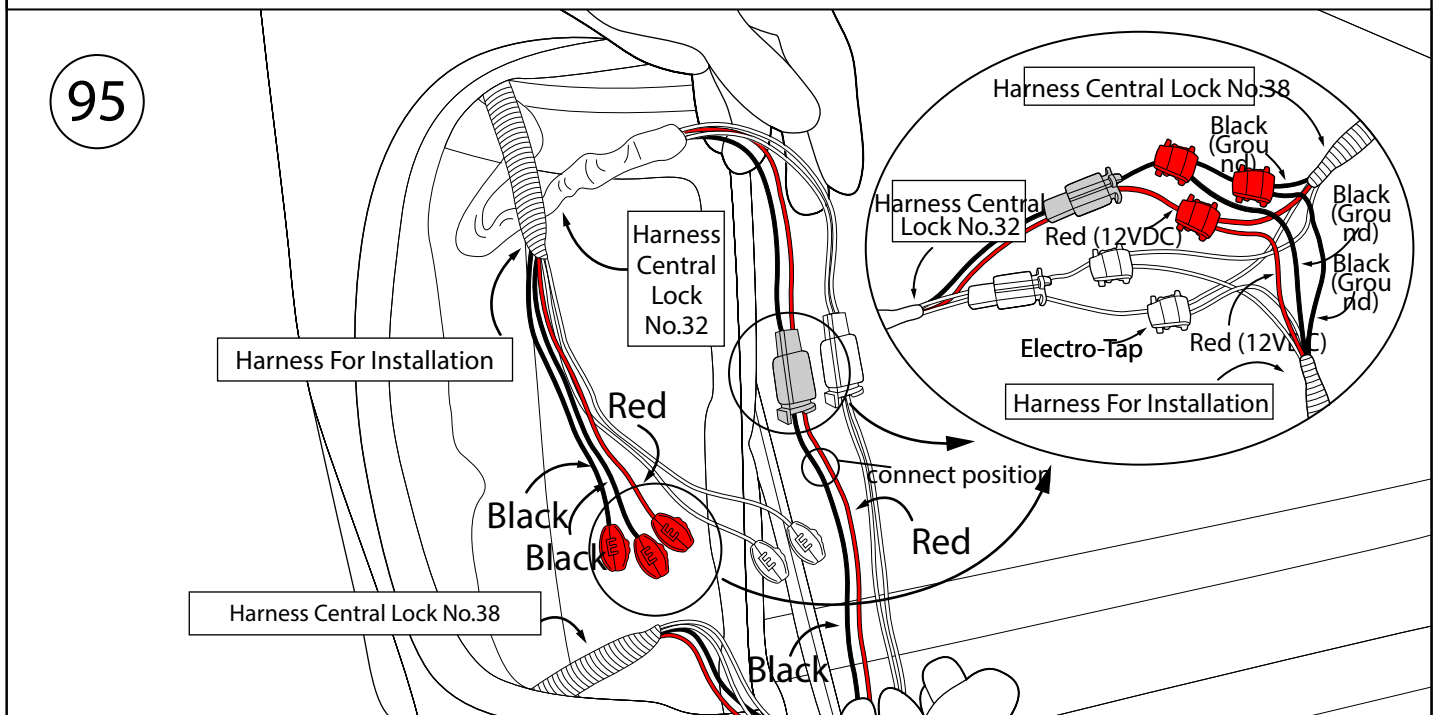


After connects all the Electric lock wiring, then take off the rear light cover by using wrench no.10 loosen the nuts.



Bring White Wiring (Unlock) of the Harness for installation wiring set connects with the Green Wiring (Unlock) of the Harness Central Lock No.38 wiring set by using the ELECTRO-TAP (Red Colour).

Bring Green Wiring (Lock) of the Harness for Installation wiring set connects with the Blue Wiring (Lock) of the Harness Central Lock No.38 wiring set by using the ELECTRO-TAP (Red Colour).

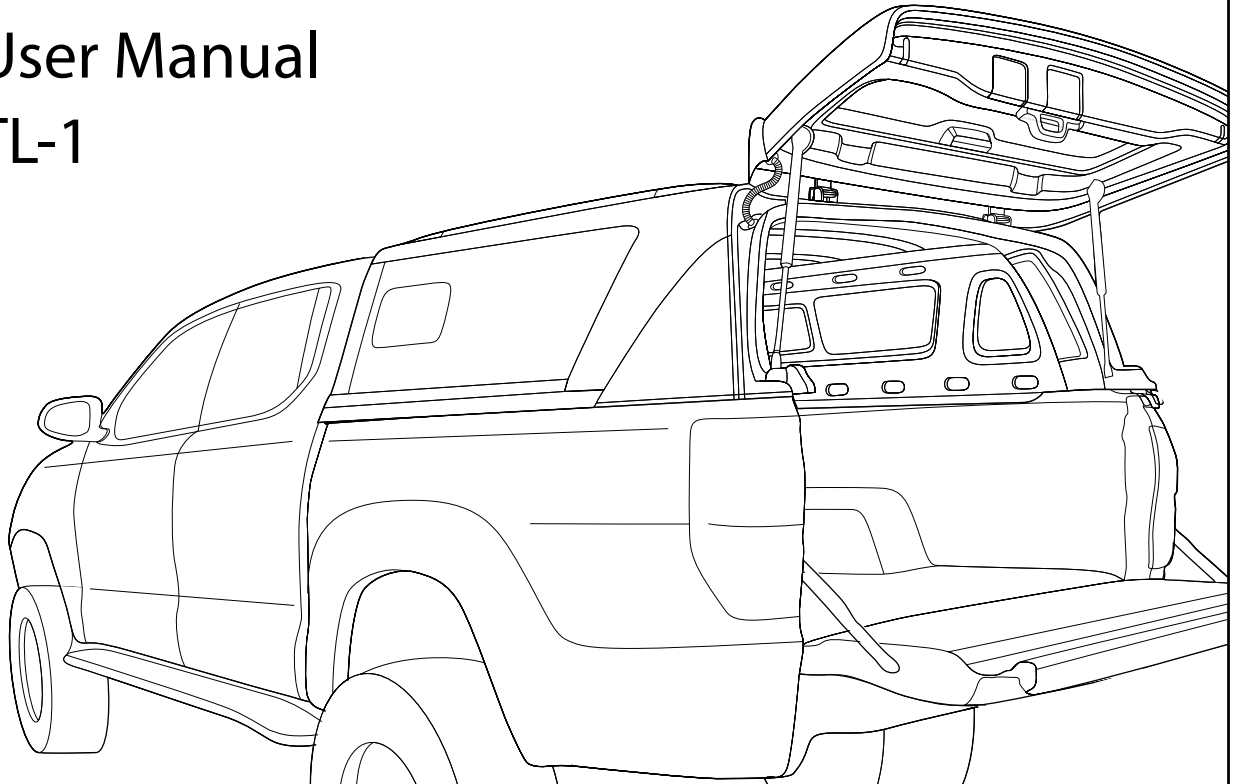


Bring the Red Wiring (12VDC) of the Harness for Installation wiring set connects with the Red Wiring (12VDC) of the Harness Central Lock No.38 wiring set by using the ELECTRO-TAP (Red Colour).

Bring the two Black (Ground) wiring of the Harness for installation set to connect with the Black (Ground) wiring of the Harness Central Lock No.38 set by using the ELECTRO-TAP (Red Colour).

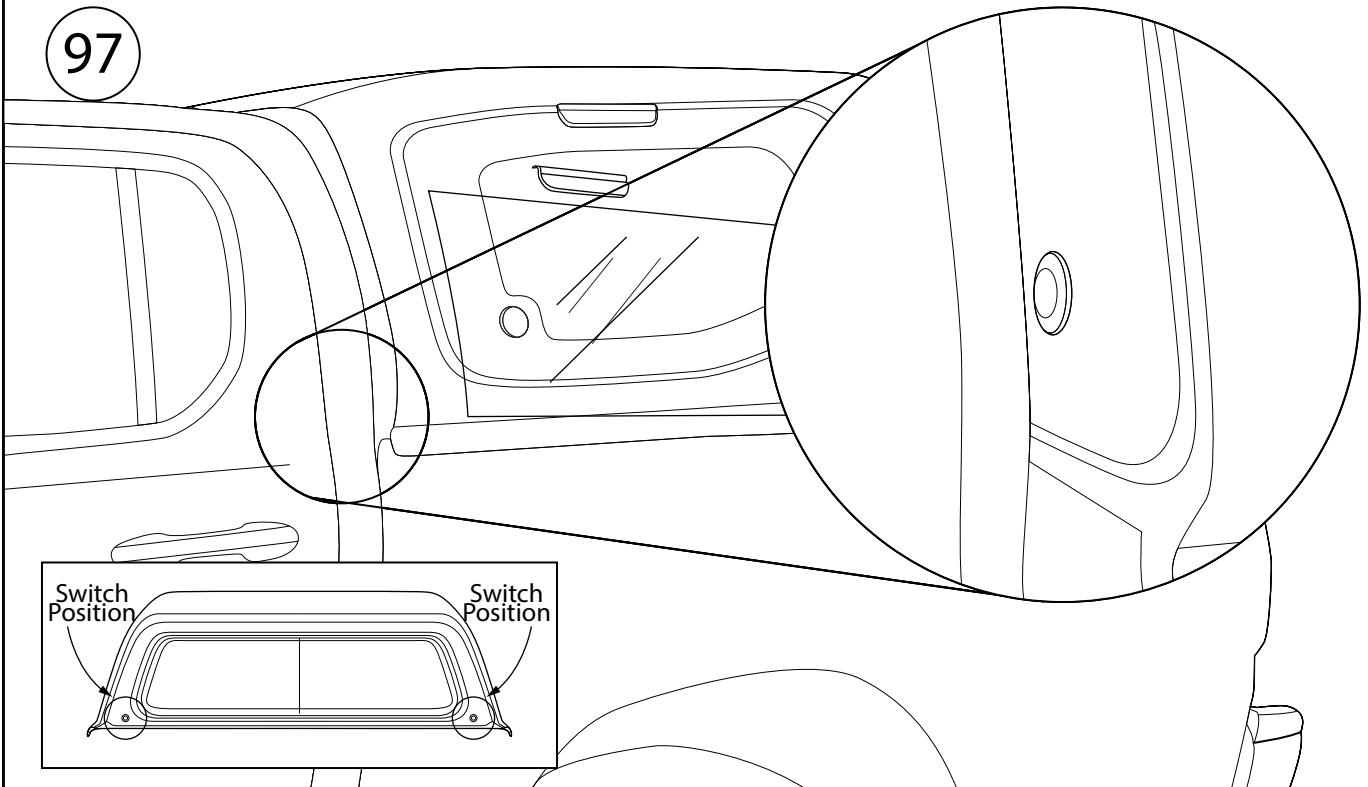


96 User Manual  
TL-1



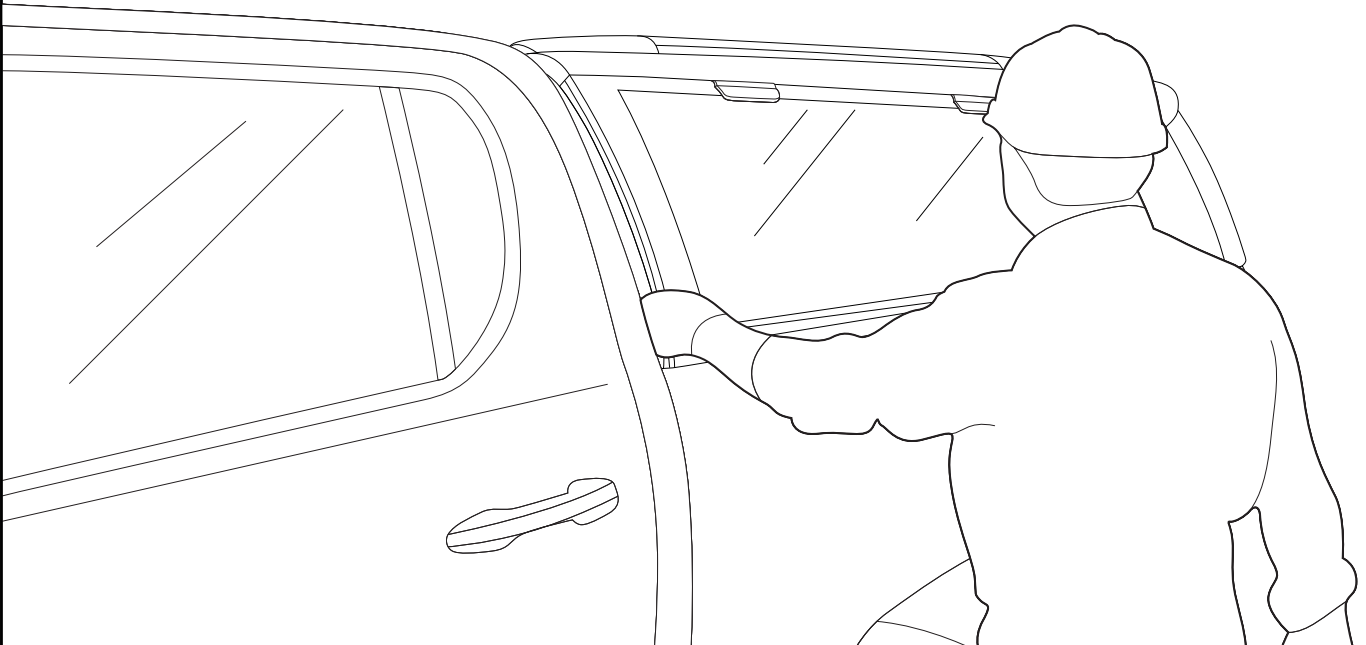
Instructions for using the Electric Lock.

97



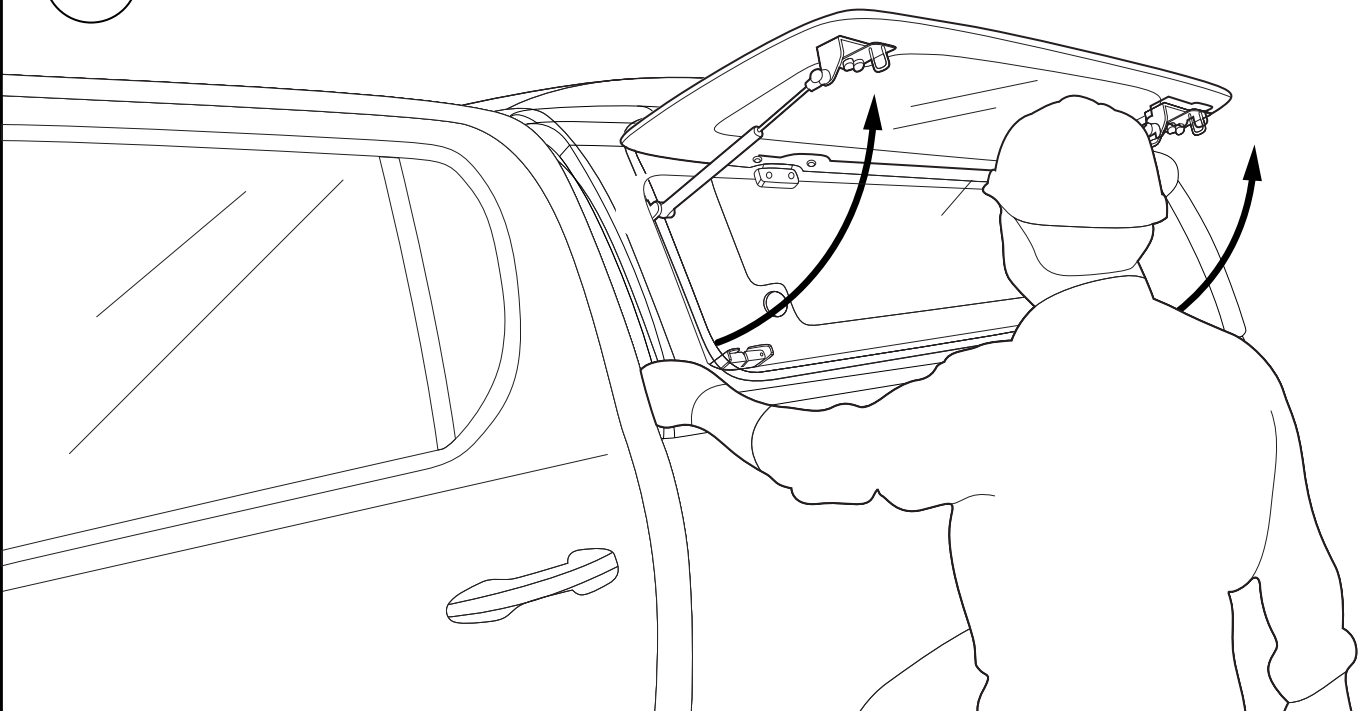
The picture shows Electric Lock switch button positions.

98



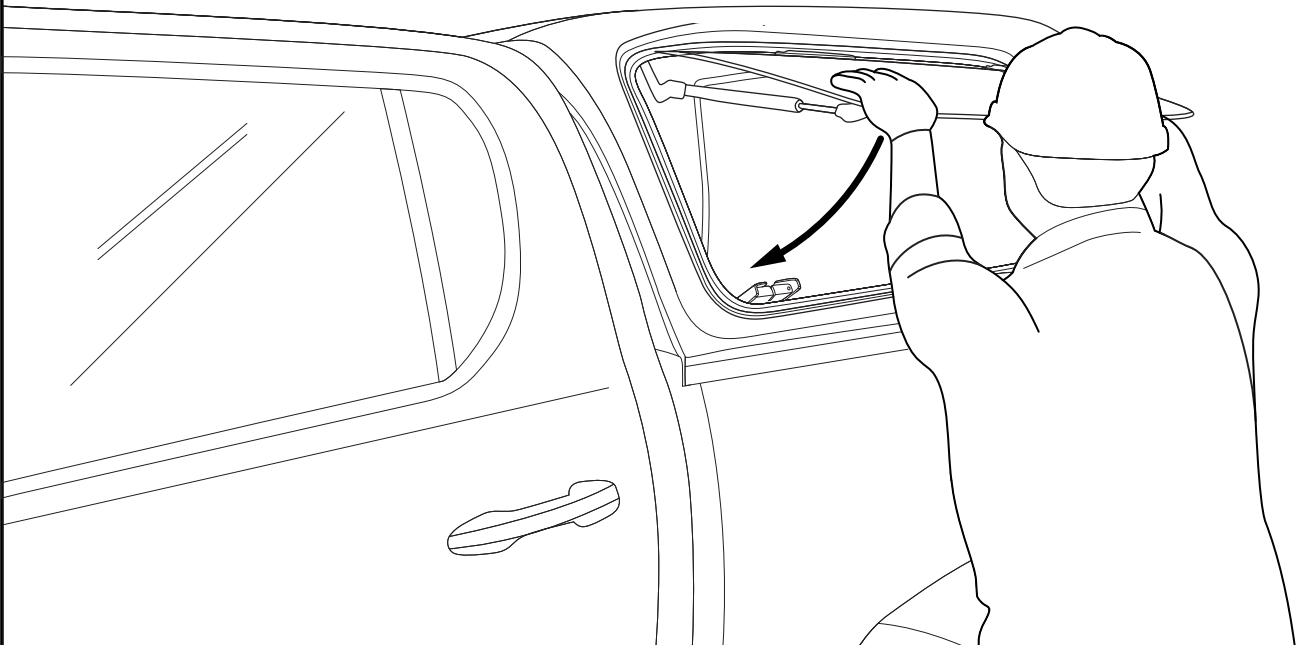
The picture shows the usage of Electric Lock button.

99



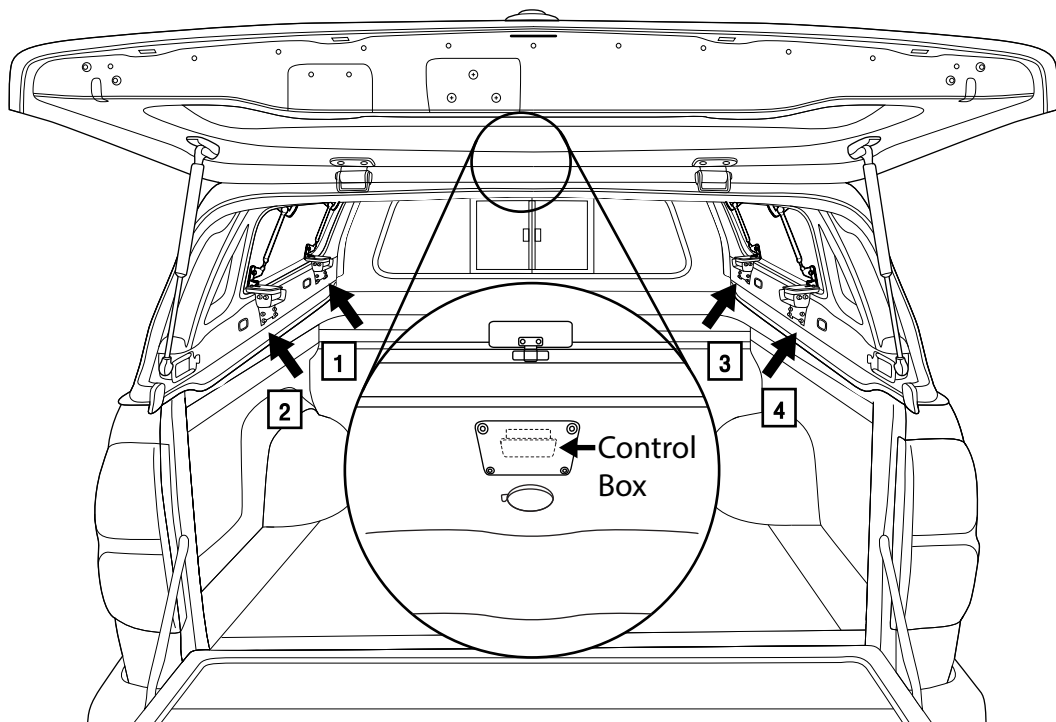
When push the Electric Lock button, the window will open as shown in picture.

100



The picture shows the Electric Lock, window will be close.

101

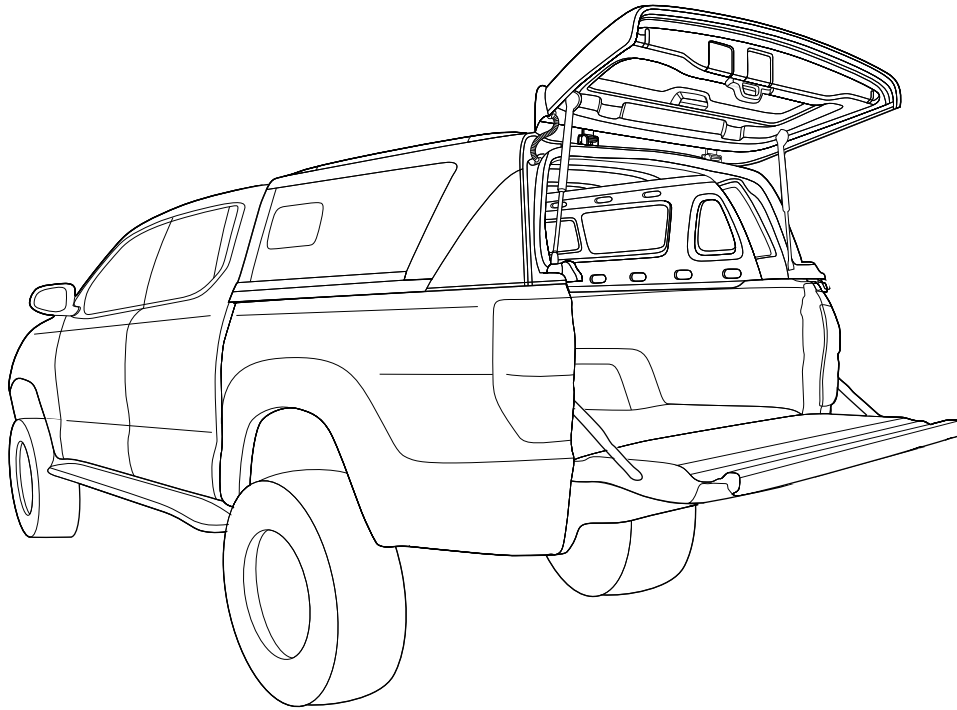


The picture shows the Electric Lock and Control Box position.





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Complete the Electric Lock system.



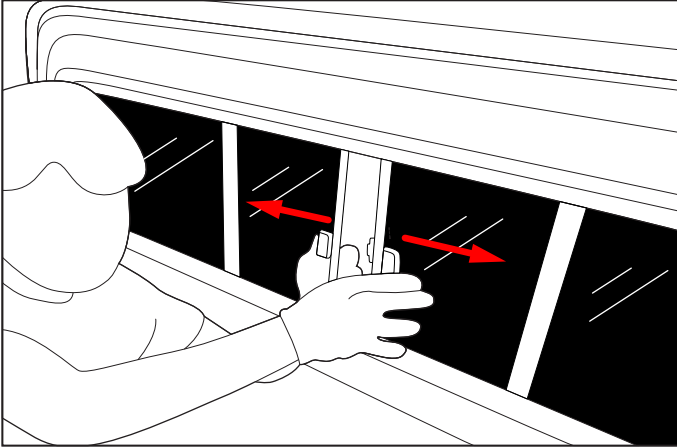
**SAMMITR**

# Opening Function of all canopy model



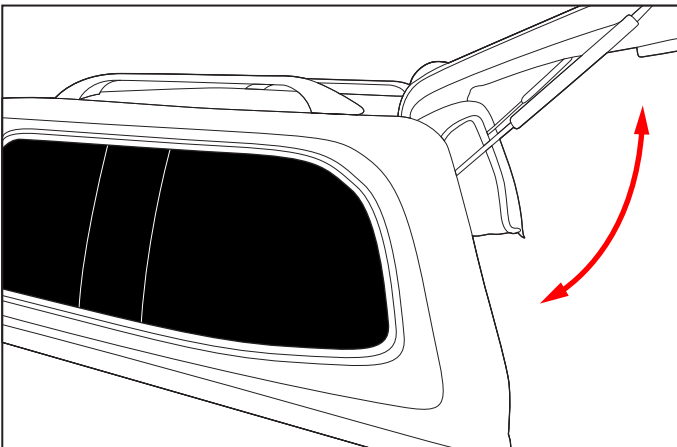
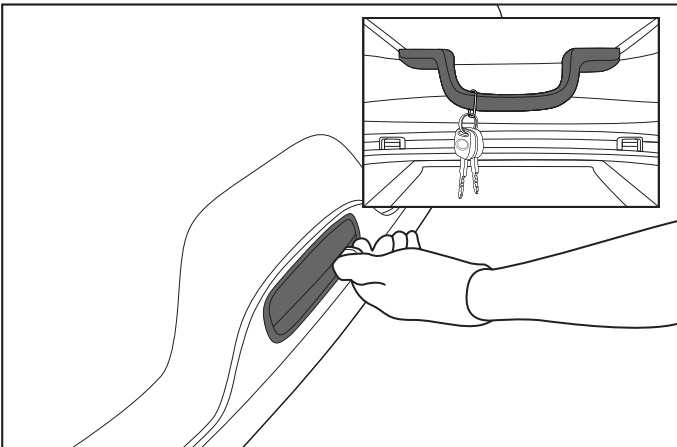
**SAMMITR**

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

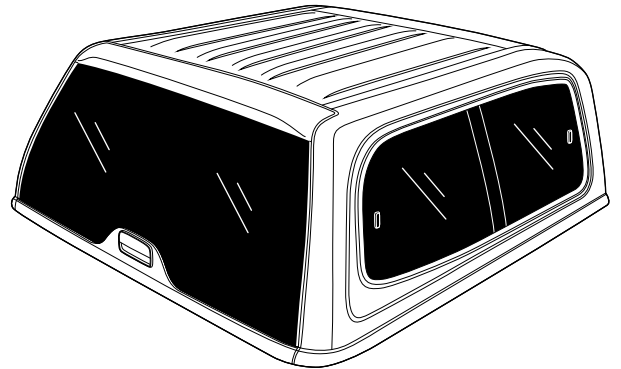


Use the key is unlock function will  
be the same for all model,  
V2, V4 and TL1.

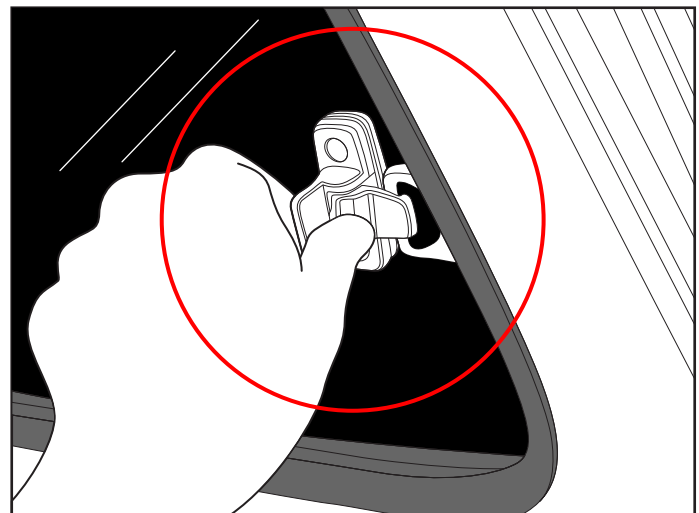
Open the backdoor function  
are different.



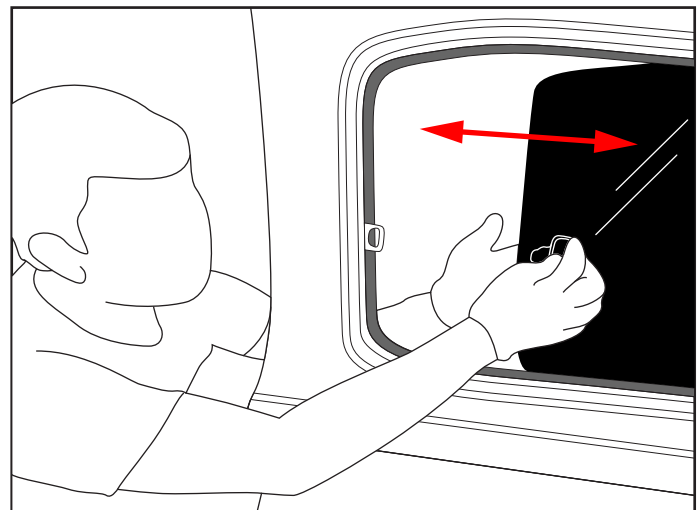
User manual



Slide Window (Left-Right)



Squeeze the lock side to open.

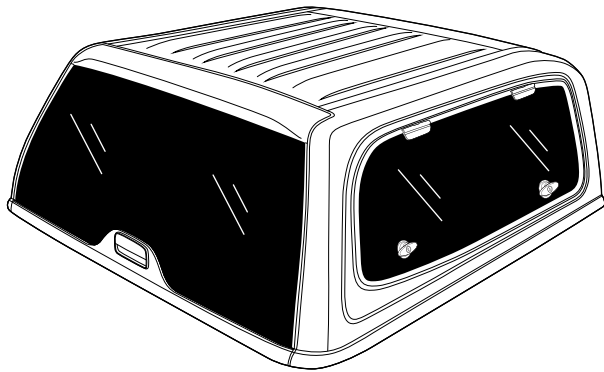


The Picture shows how to open the side  
window.

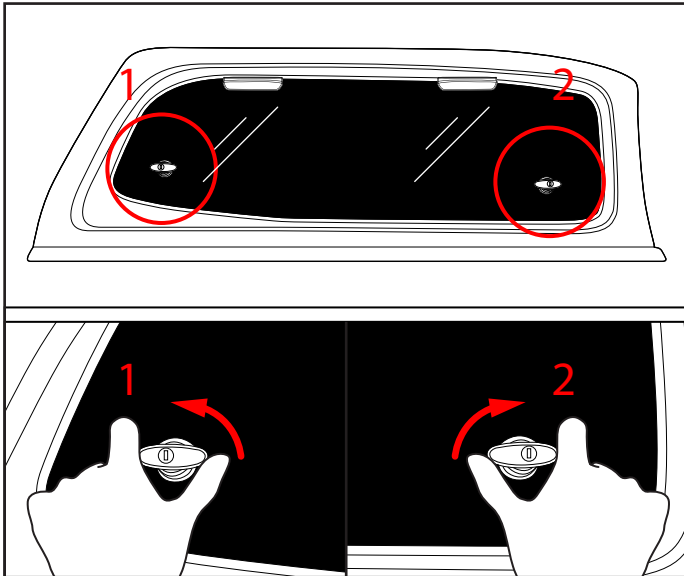


**SAMMITR**

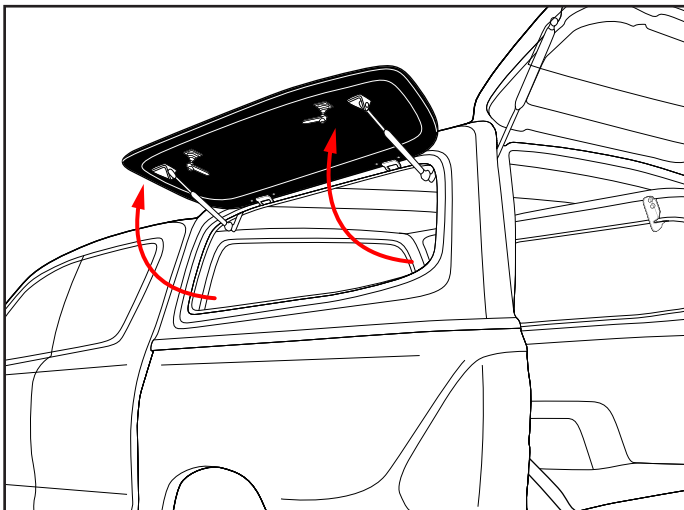
User manual



Glass Birdwing Window Left-Right  
(Handle Lock)

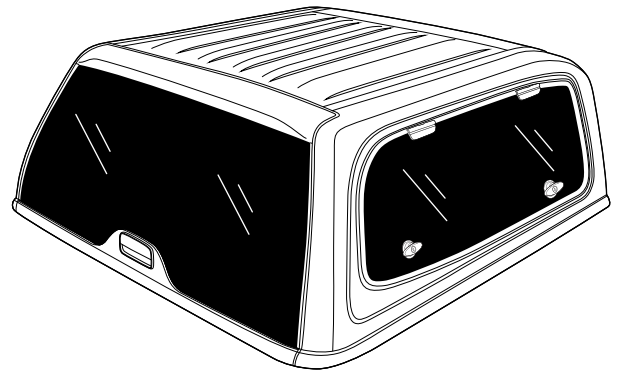


Turn around the canopy lock as shown in picture to open the side window.

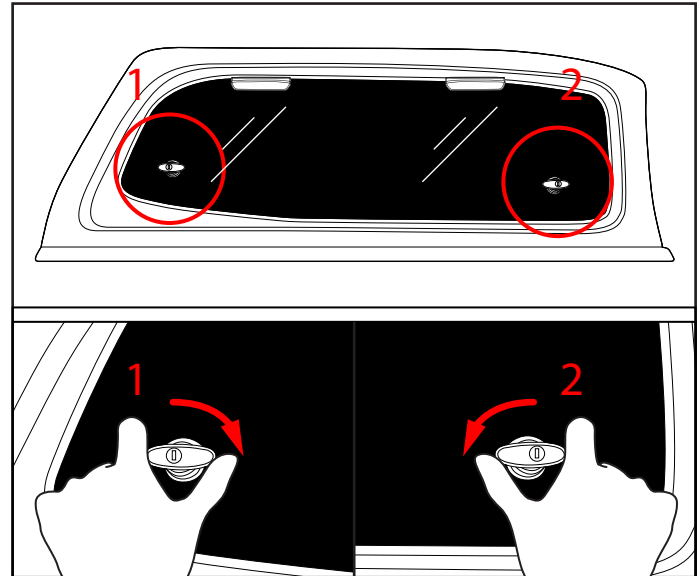


Picture shows how to open the side window.

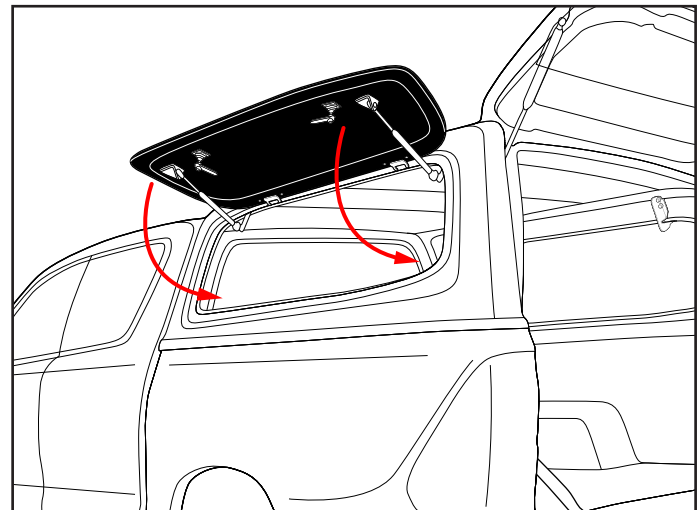
User manual



Glass Birdwing Window Left-Right  
(Handle Lock)



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

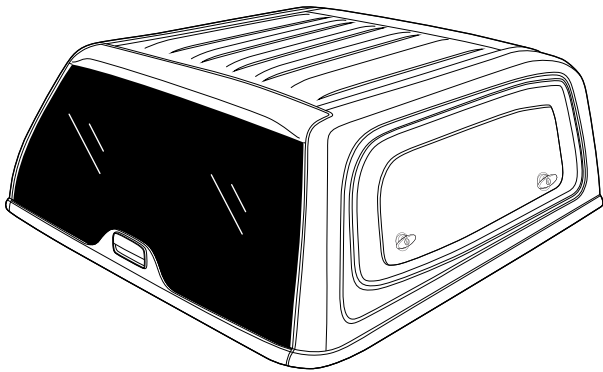


Picture shows how to close the side window.

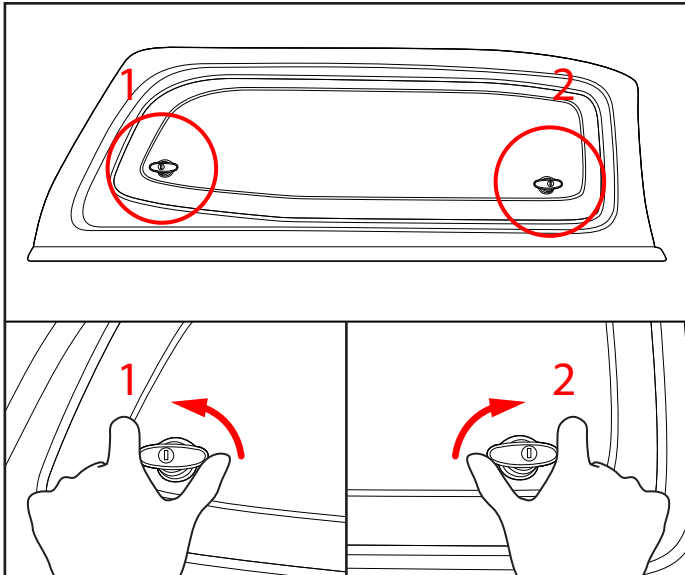


**SAMMITR**

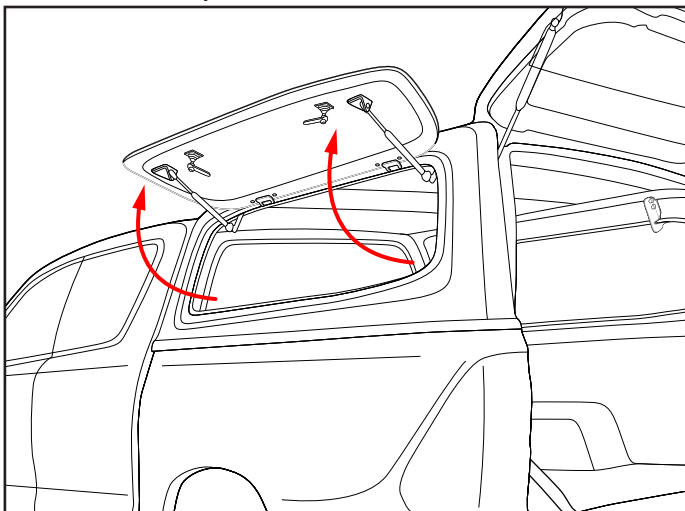
User manual



Solid Birdwing Window Left-Right  
(Handle Lock)

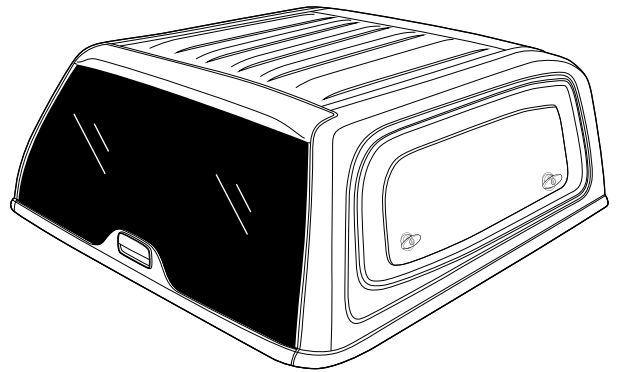


Turn around the canopy lock as shown in picture to  
open the side window.

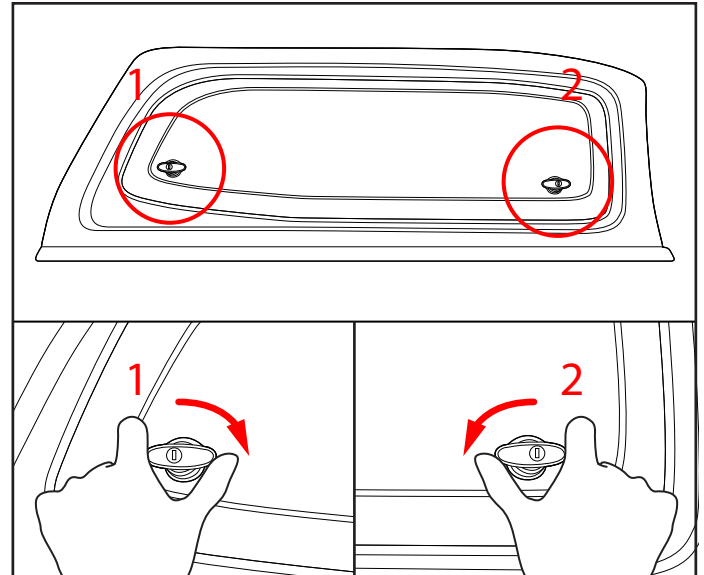


Picture shows how to open the side window.

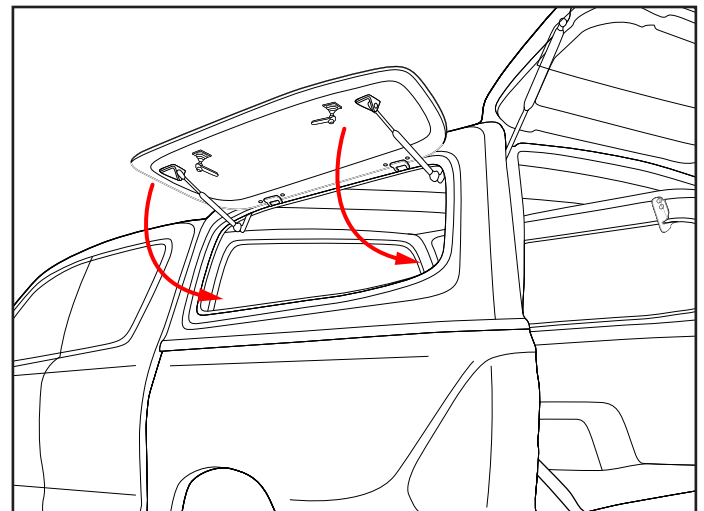
User manual



Solid Birdwing Window Left-Right  
(Handle Lock)



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

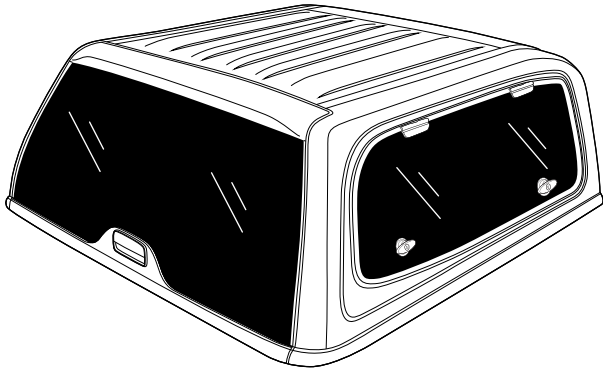


Picture shows how to close the side window.

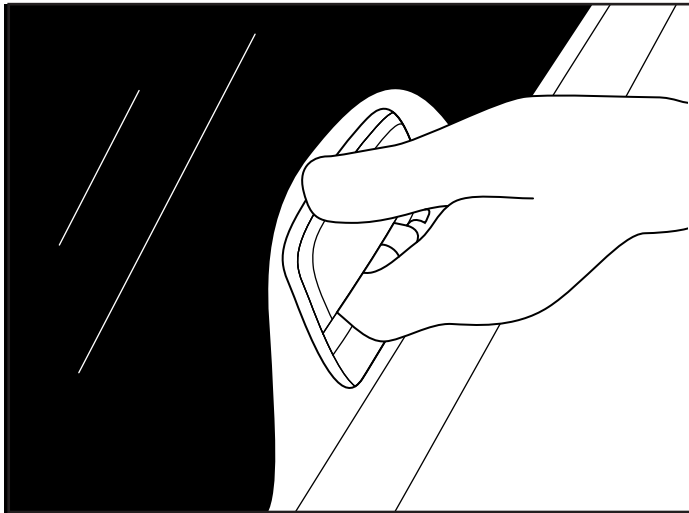


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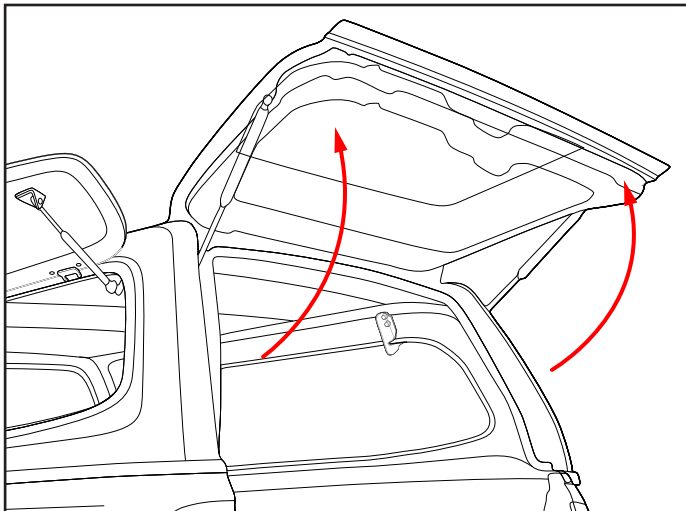
User manual



Backdoor

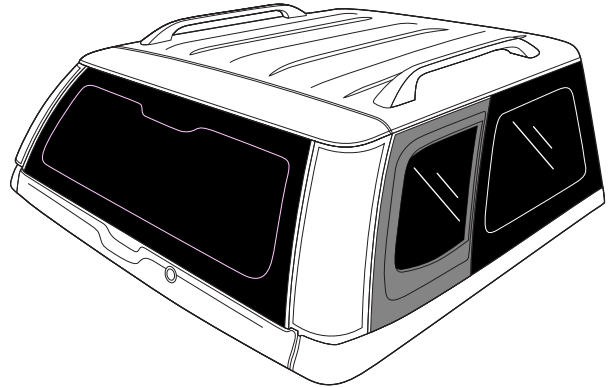


Use the handle as shown in picture to open the backdoor.

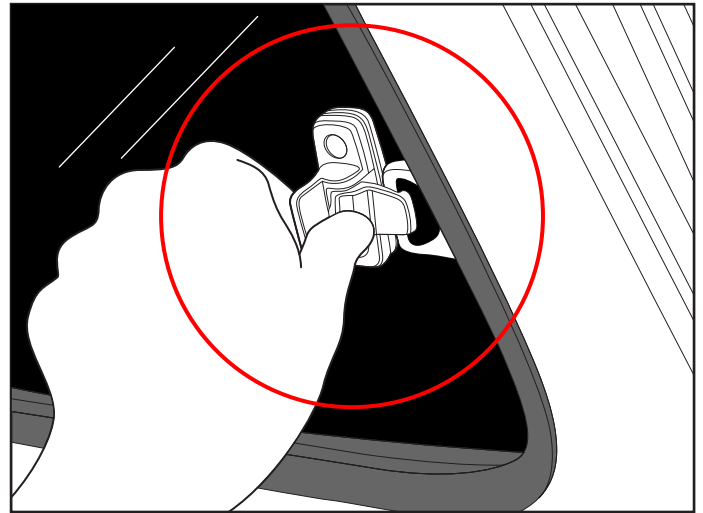


The Picture shows how to open the backdoor.

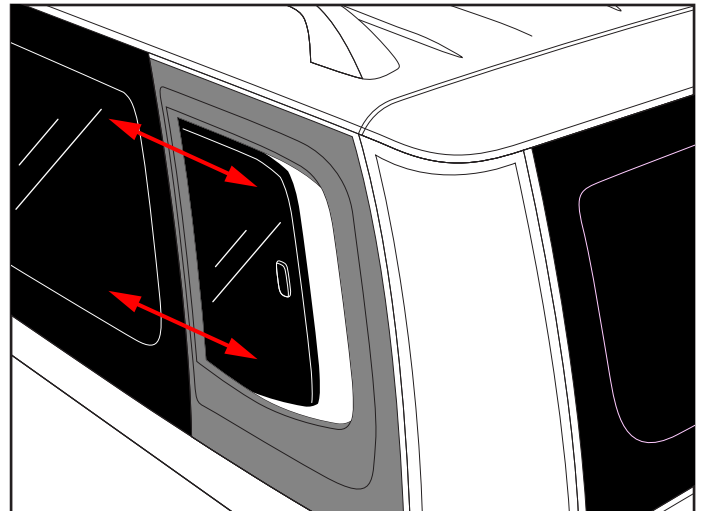
User manual



Slide Window (Left-Right)



Squeeze the lock side to open.



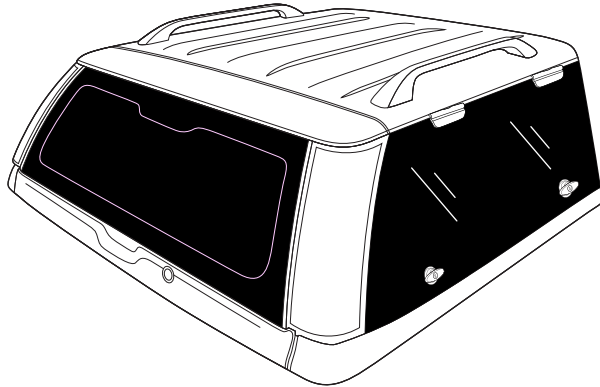
The Picture shows how to open the side



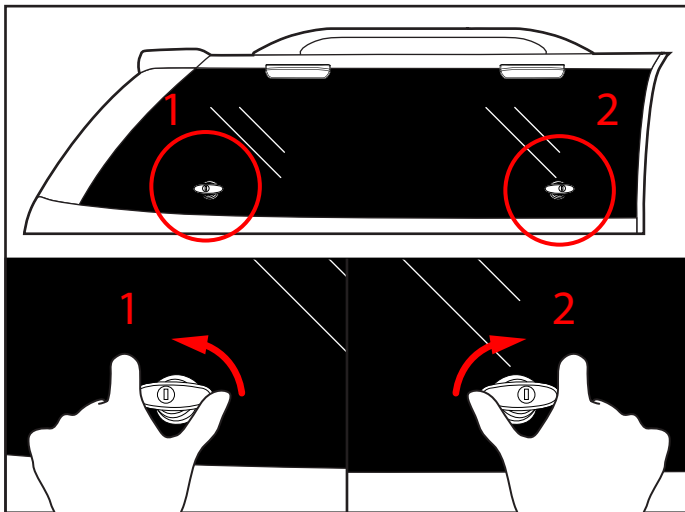


**SAMMITR**

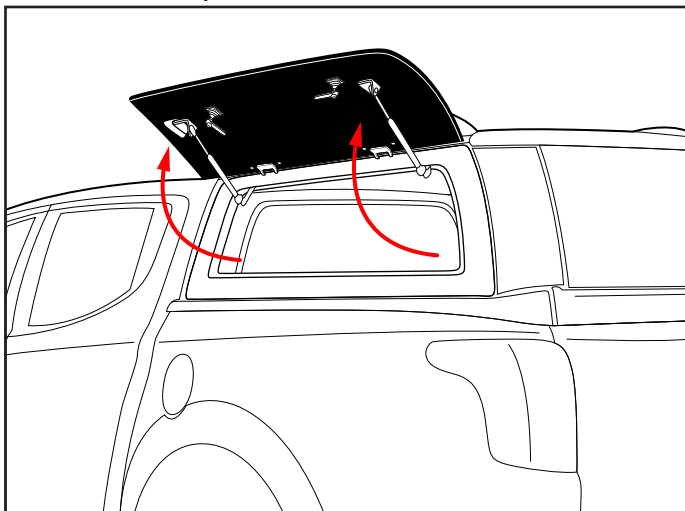
User manual



Glass Birdwing Window Left-Right  
(Handle Lock)

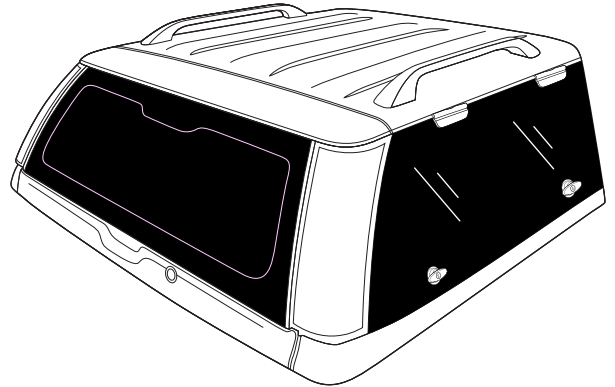


Turn around the canopy lock as shown in picture to open the side window.

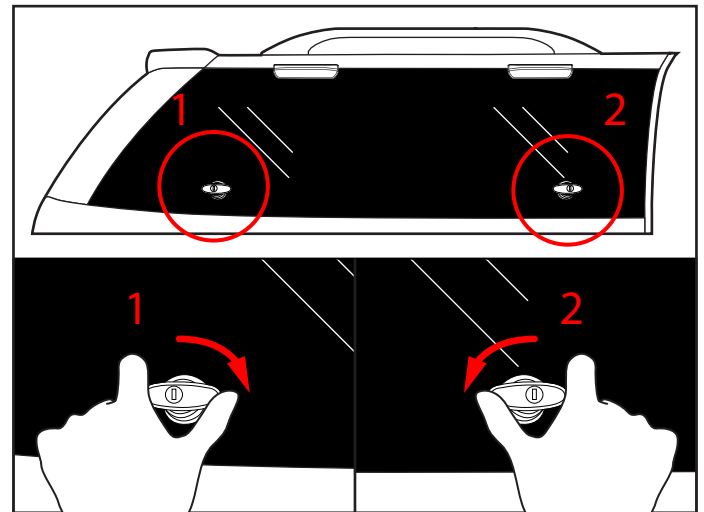


Picture shows how to open the side window.

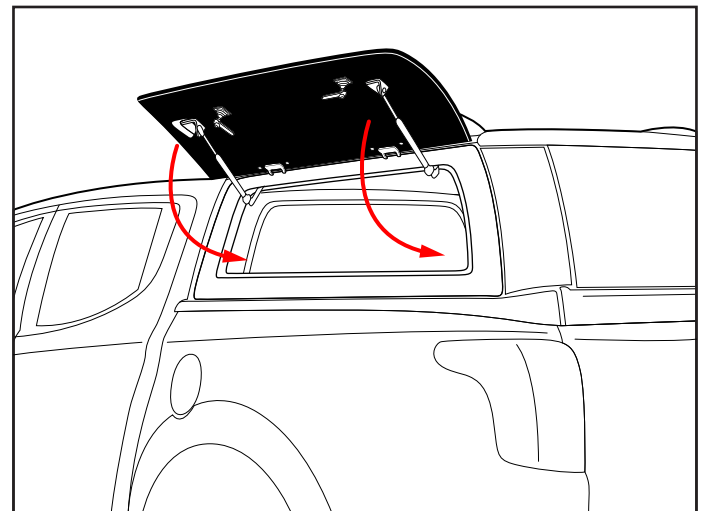
User manual



Glass Birdwing Window Left-Right  
(Handle Lock)



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

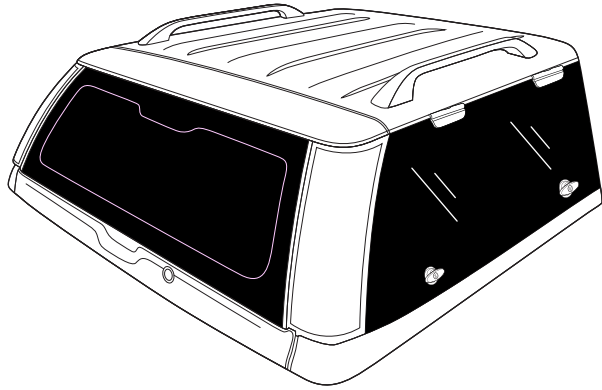


Picture shows how to close the side window.

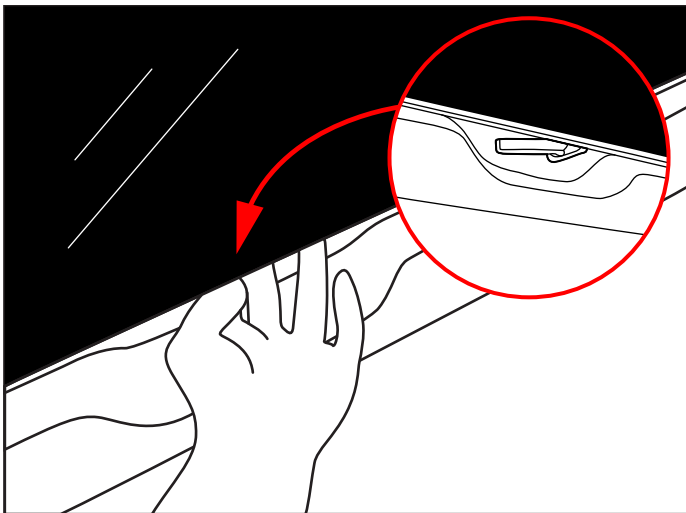


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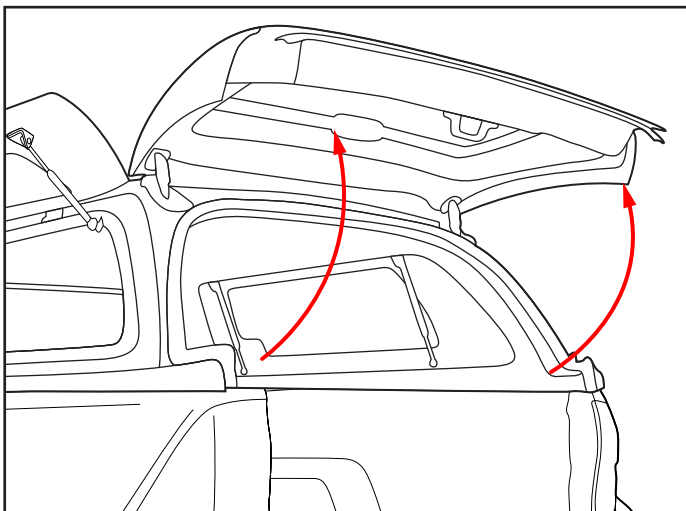
User manual



Backdoor

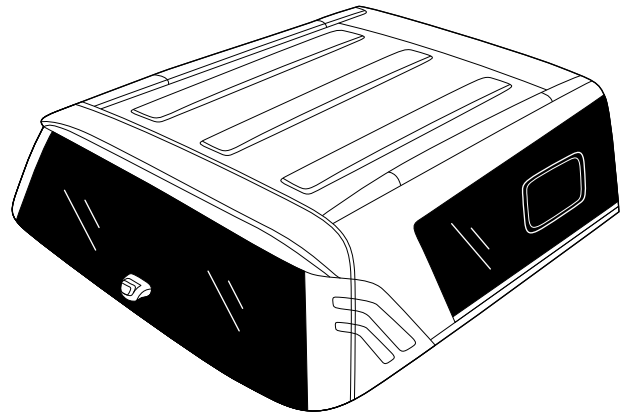


Pull the stick of handle to open the back door.

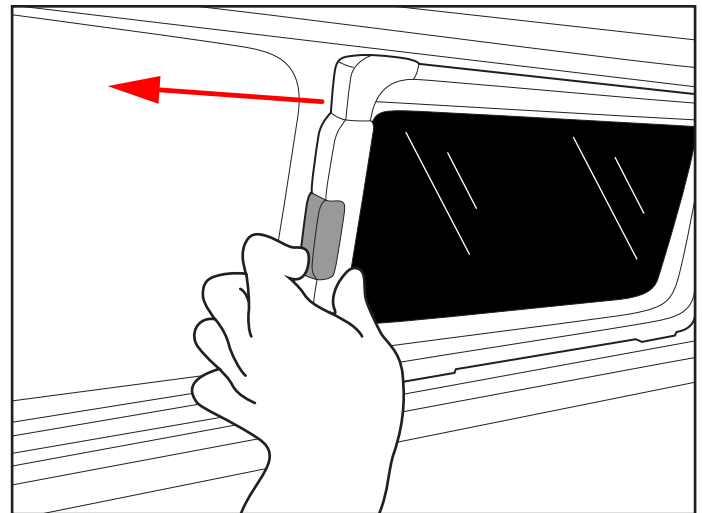


The Picture shows how to open the back door.

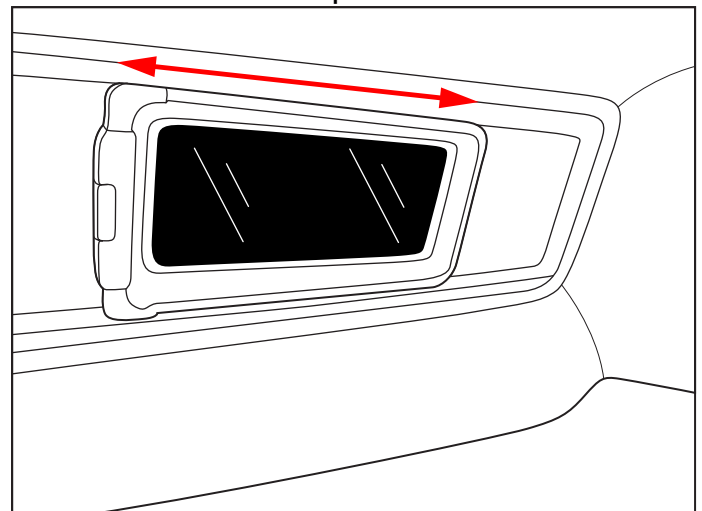
User manual



Slide Window (Left-Right)



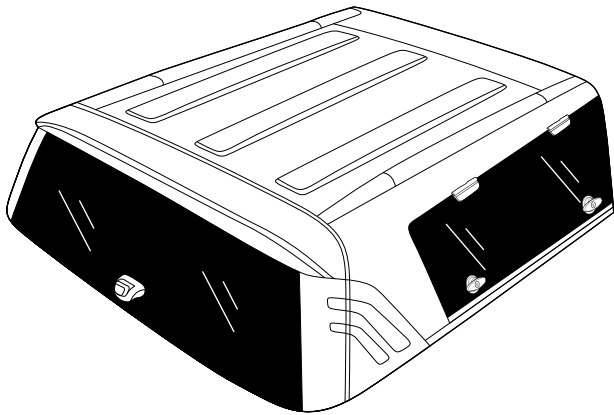
Push the button in side canopy and slide back to open.



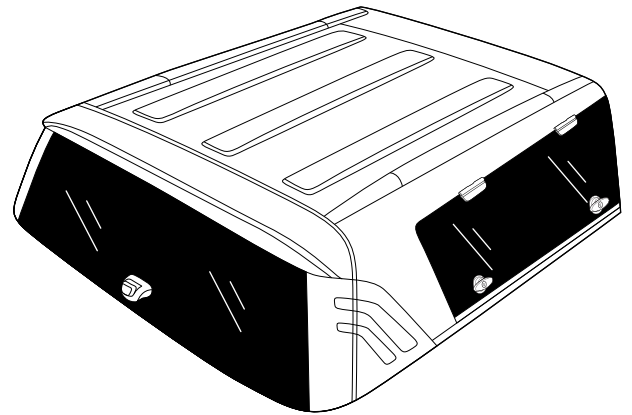
Picture shows how to open the side window from inside.



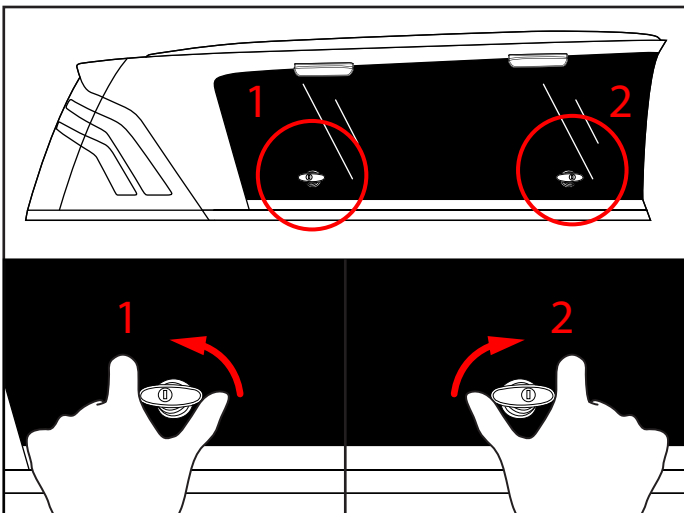
**SAMMITR**



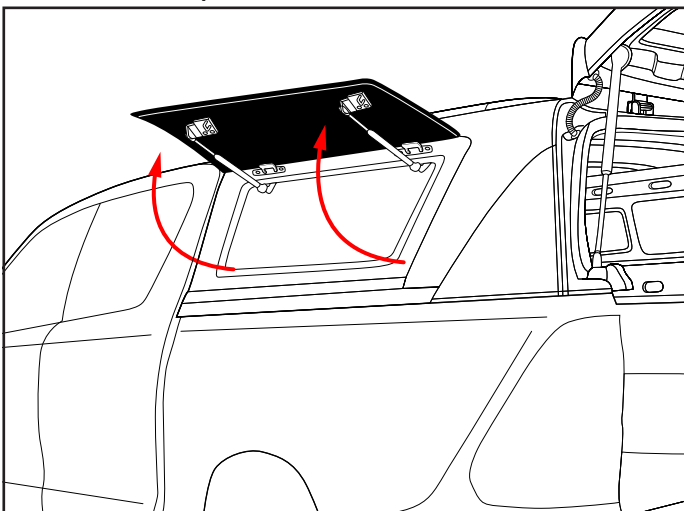
Glass Birdwing Window Left-Right  
(Handle Lock)



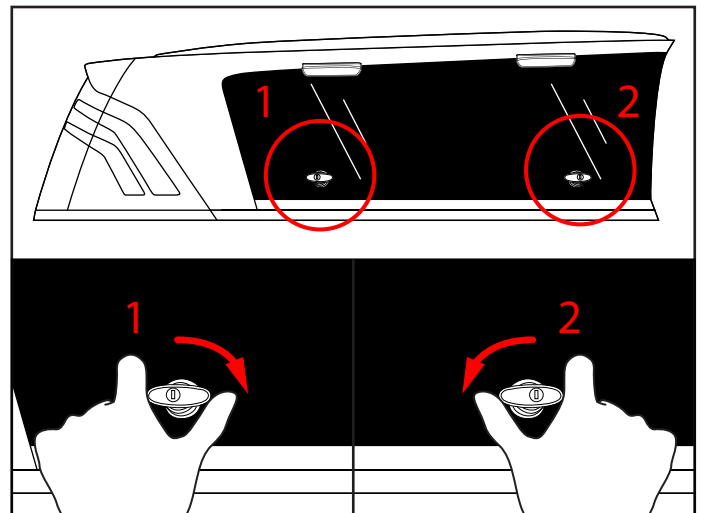
Glass Birdwing Window Left-Right  
(Handle Lock)



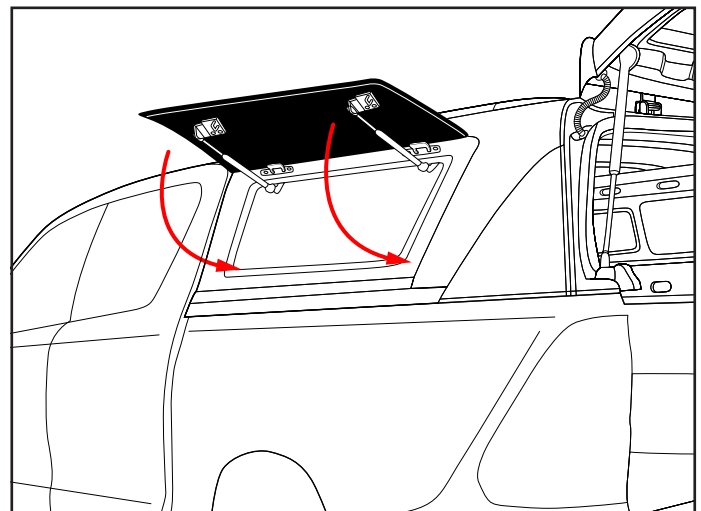
Turn around the canopy lock as shown in picture to open the side window.



Picture shows how to open the side window.



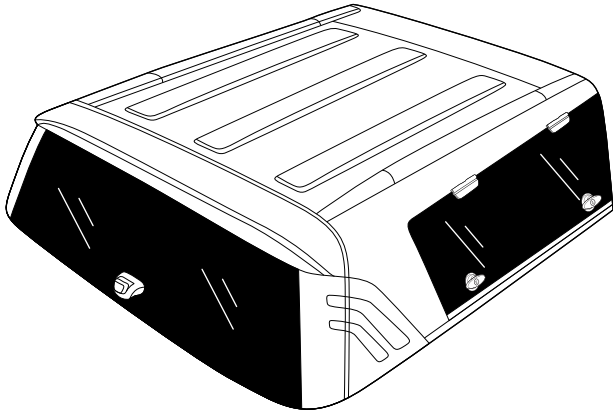
Turn around the canopy lock as shown in picture to close the side window.



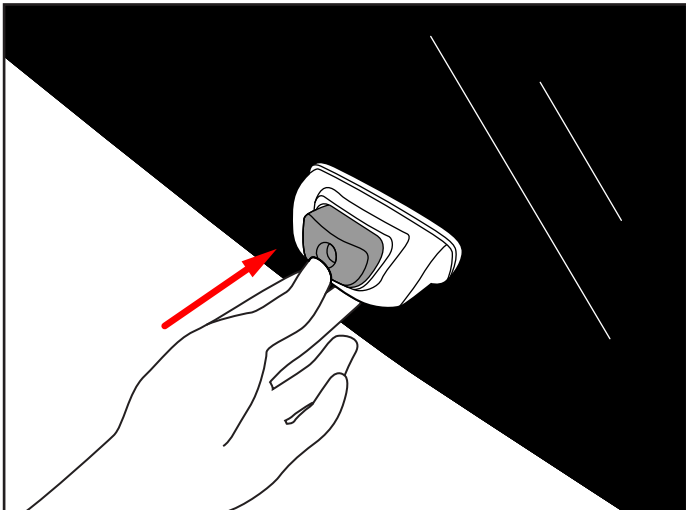
Picture shows how to close the side window.



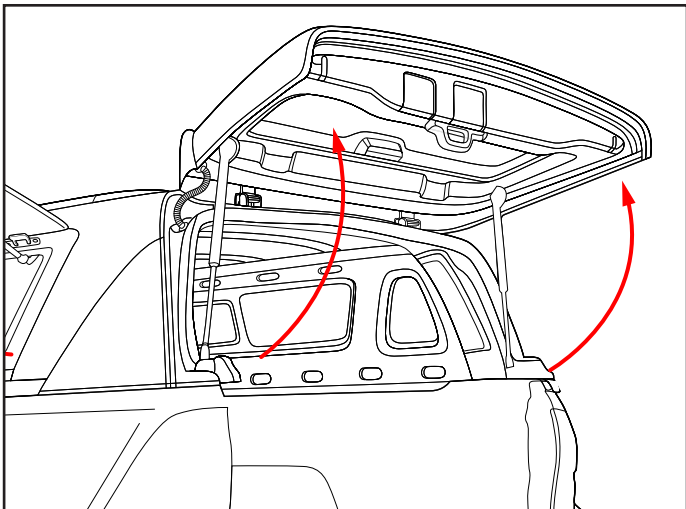
**SAMMITR**



Backdoor



Push the button to open the back door.



The Picture shows how to open the backdoor.