



**SAMMITR**

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

Version 1.0



**SAMMITR**

**Mechanical Installation Manual**

for

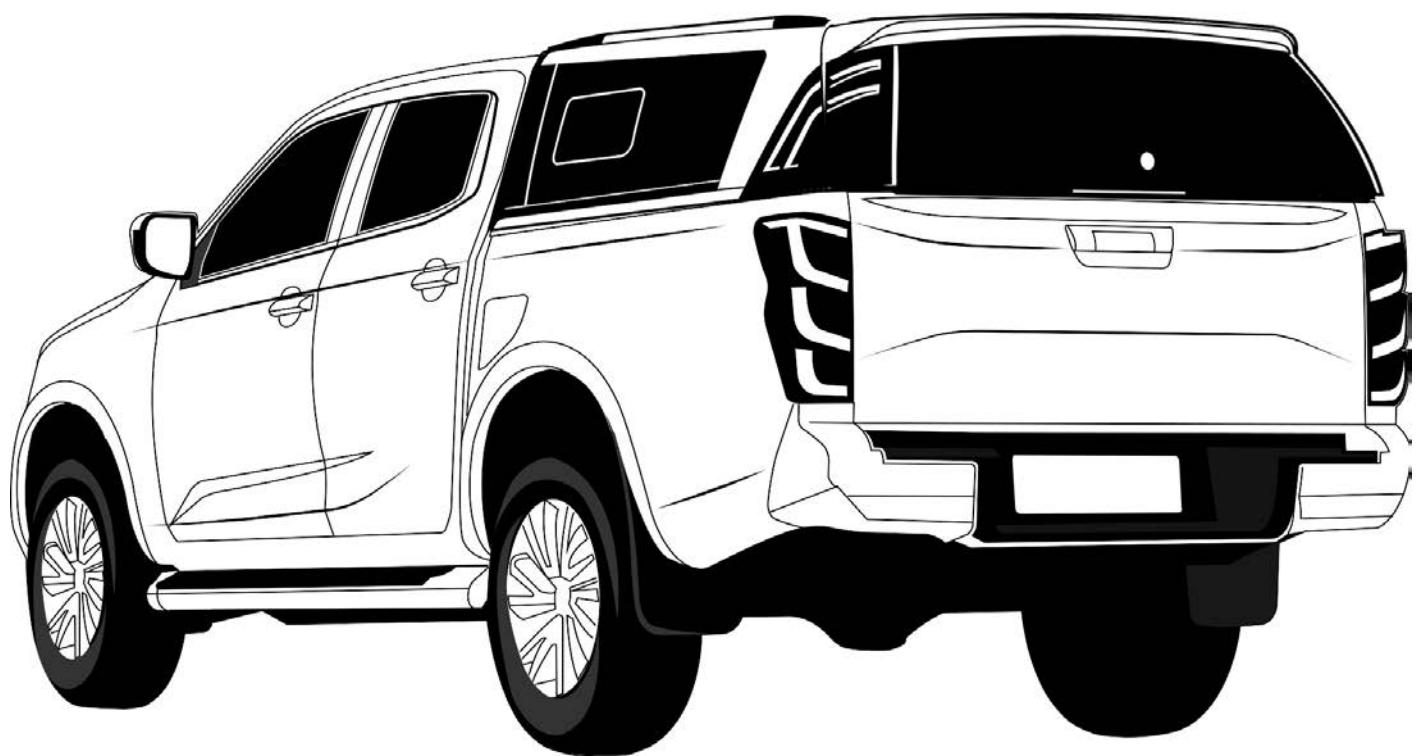
**ISUZU D-Max**

**2024**





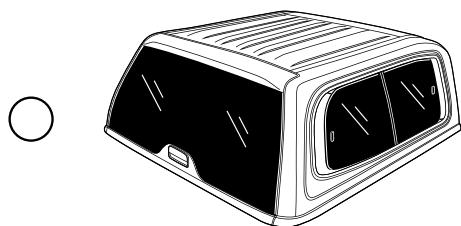
**SAMMITR**



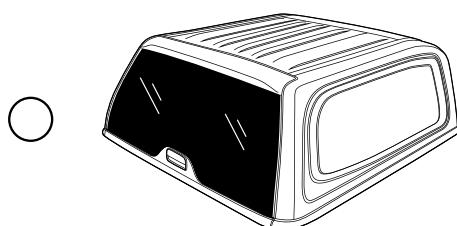


**SAMMITR**

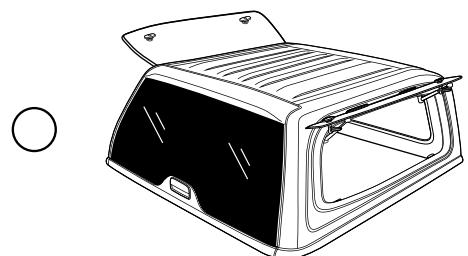
## ■ Steel Canopy S-Plus V2



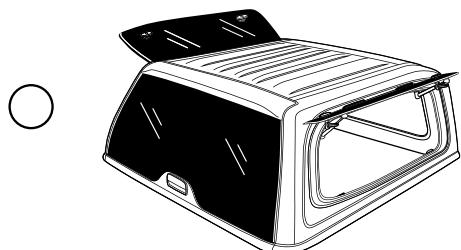
Glass Slide Window



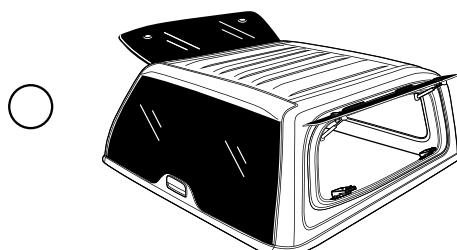
Solid Window



Solid Birdwing Window (Handle Lock)

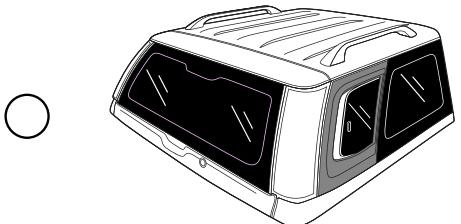


Glass Birdwing Window (Handle Lock)

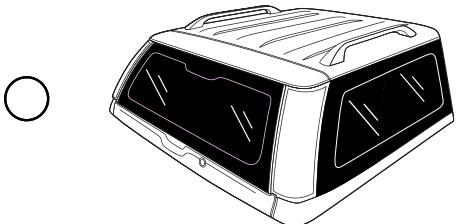


Glass Birdwing Window (Electric Lock)

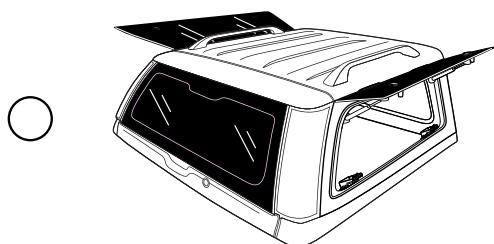
## ■ Steel Canopy SUV-Plus V4



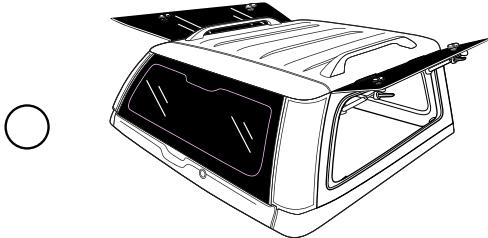
Glass Slide Window



Glass Fix Window

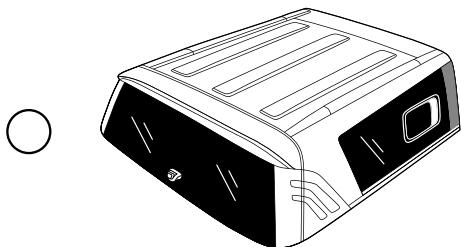


Glass Birdwing Window (Electric Lock)

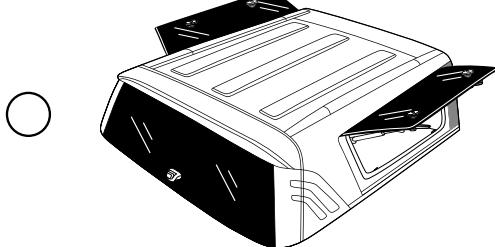


Glass Birdwing Window (Handle Lock)

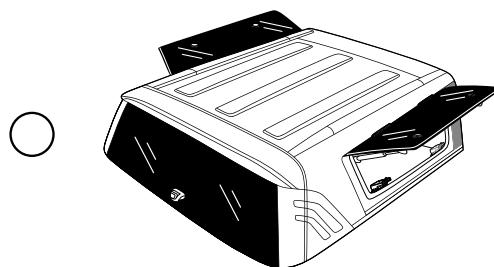
## ■ Steel Canopy TL-1



Glass Slide Window



Glass Birdwing Window (Handle Lock)



Glass Birdwing Window (Electric Lock)

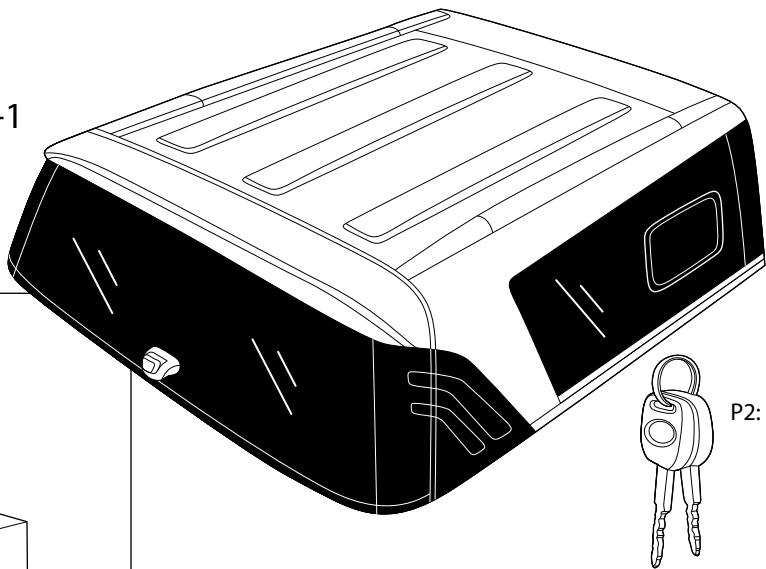


## Mechanical Installation Manual Steel Canopy : TL-1 All Models

Version 1.0

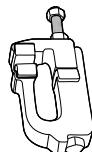
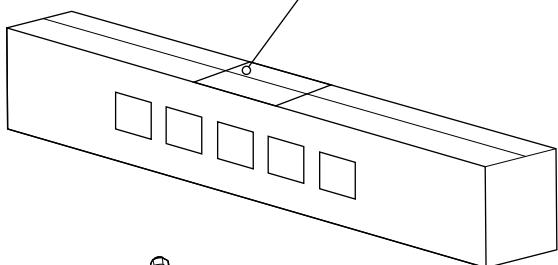
### Part In Main Carton

P1: Steel Canopy TL-1



### Kit Box

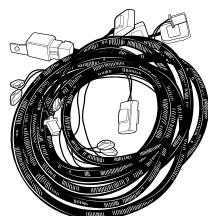
Part List Paper



K1 : C-Clamp



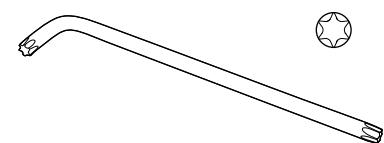
K2 : Switch Case



K3 : Wiring No.38

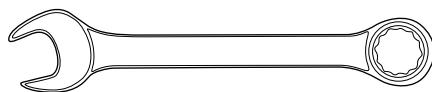


K8 : T Paint

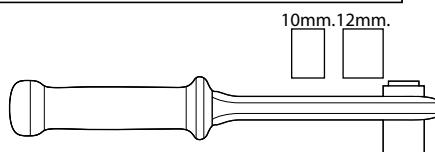


T6 : Hexalobular Wrench # T40

### Require Tools



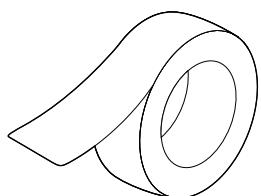
T1 : 13 mm. Wrench



T3 : 10,12mm. Torque Wrench



T2 : 10 mm. Wrench



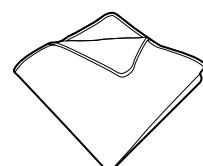
T4 : Tape



T5 : Electric Tape



T7 : Measuring Tape/Ruler

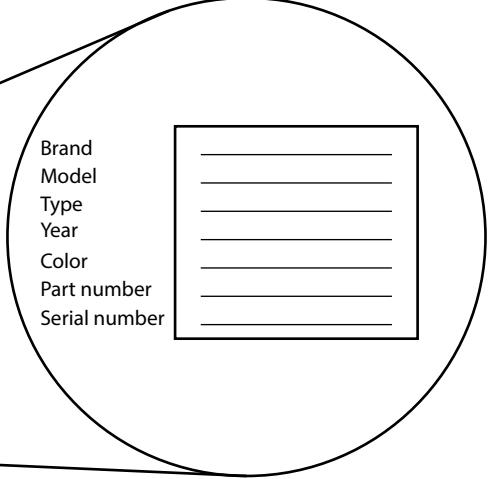
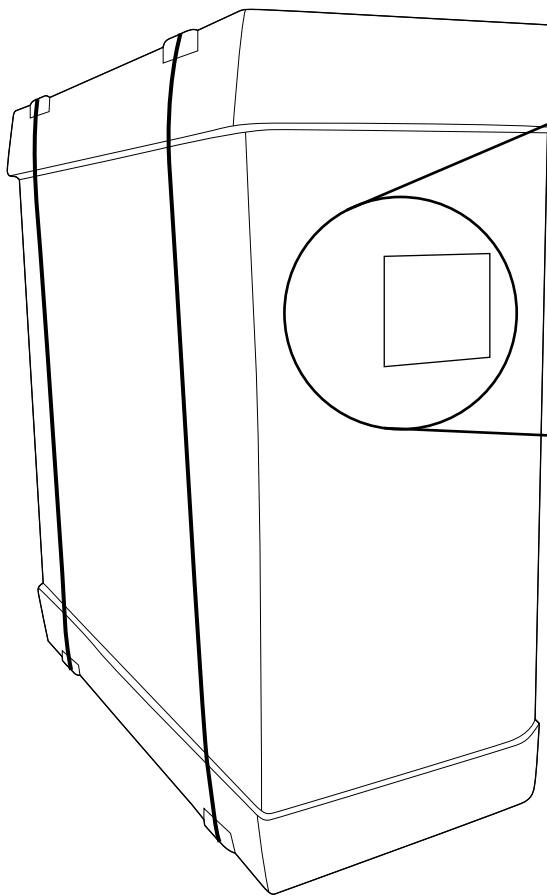


T8 : Fabric



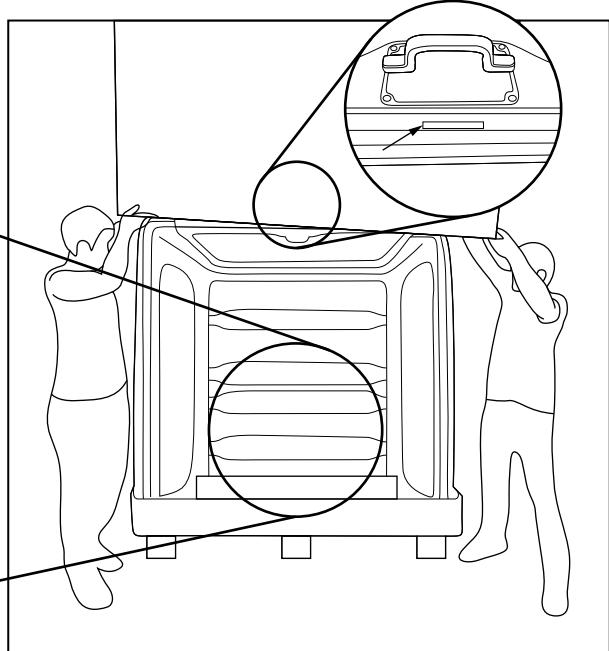
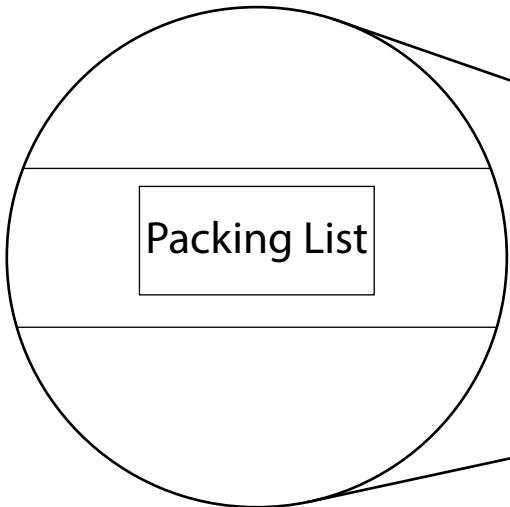
1

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



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.

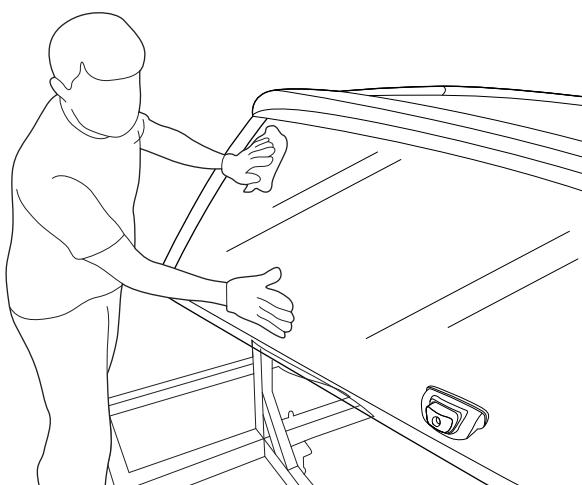
4. Check all the accessories received inside the box with the Packing List.





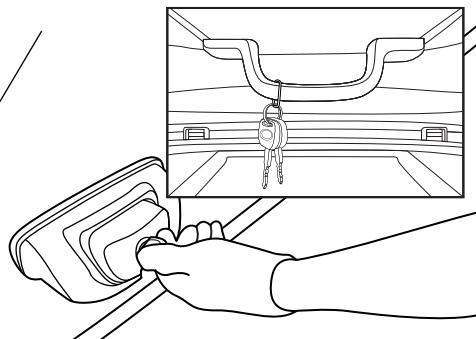
## 2 The preparation process of Sammitr Canopy TL-1 model before installation with the vehicle.

1

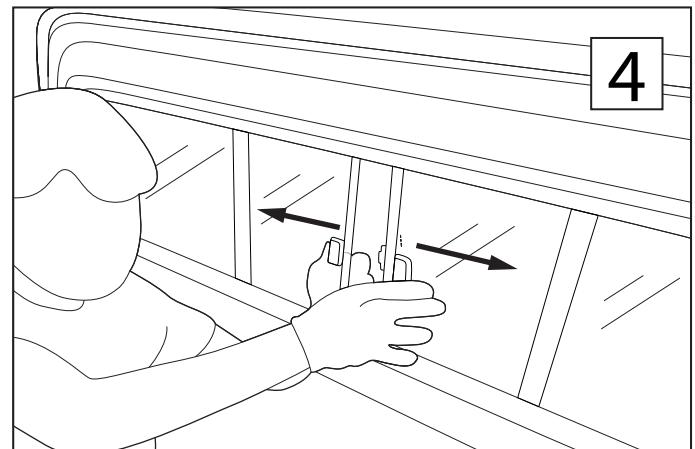


1. Canopy have to be in good condition, no damage, dent, cracks, smooth surface including no window damages or cracks.
2. Locking system is working for both keys.
3. Canopy sides are not damage, dent or cracks.
4. Canopy front window panel is working (open/close), no cracks or damages occurrences.
5.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

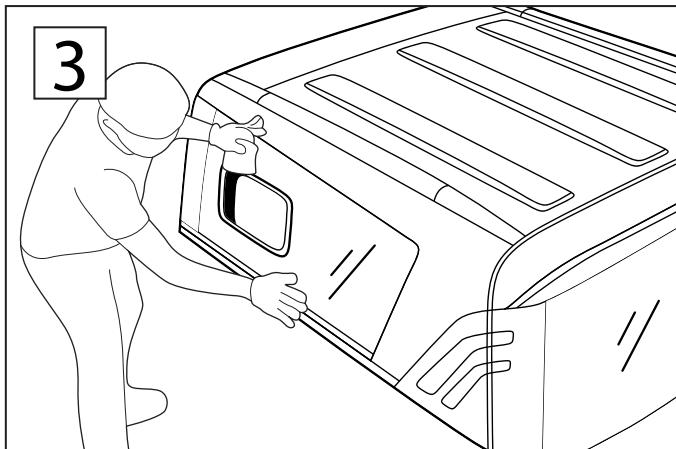
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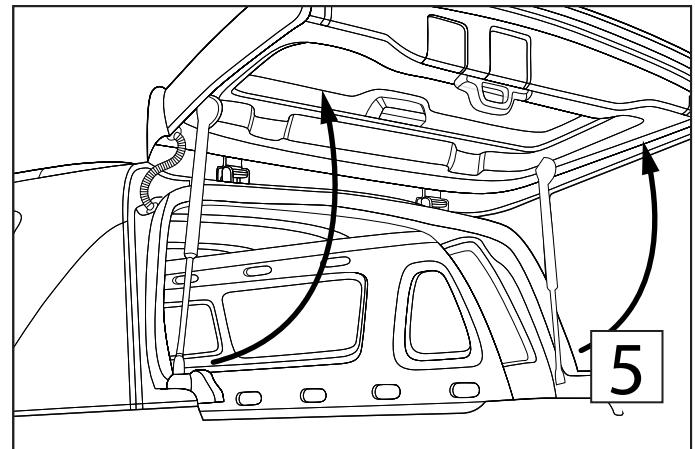
4



3



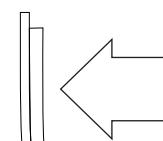
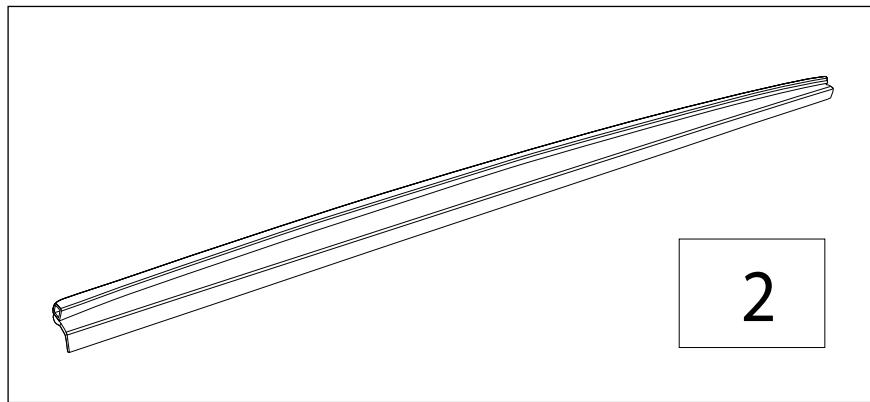
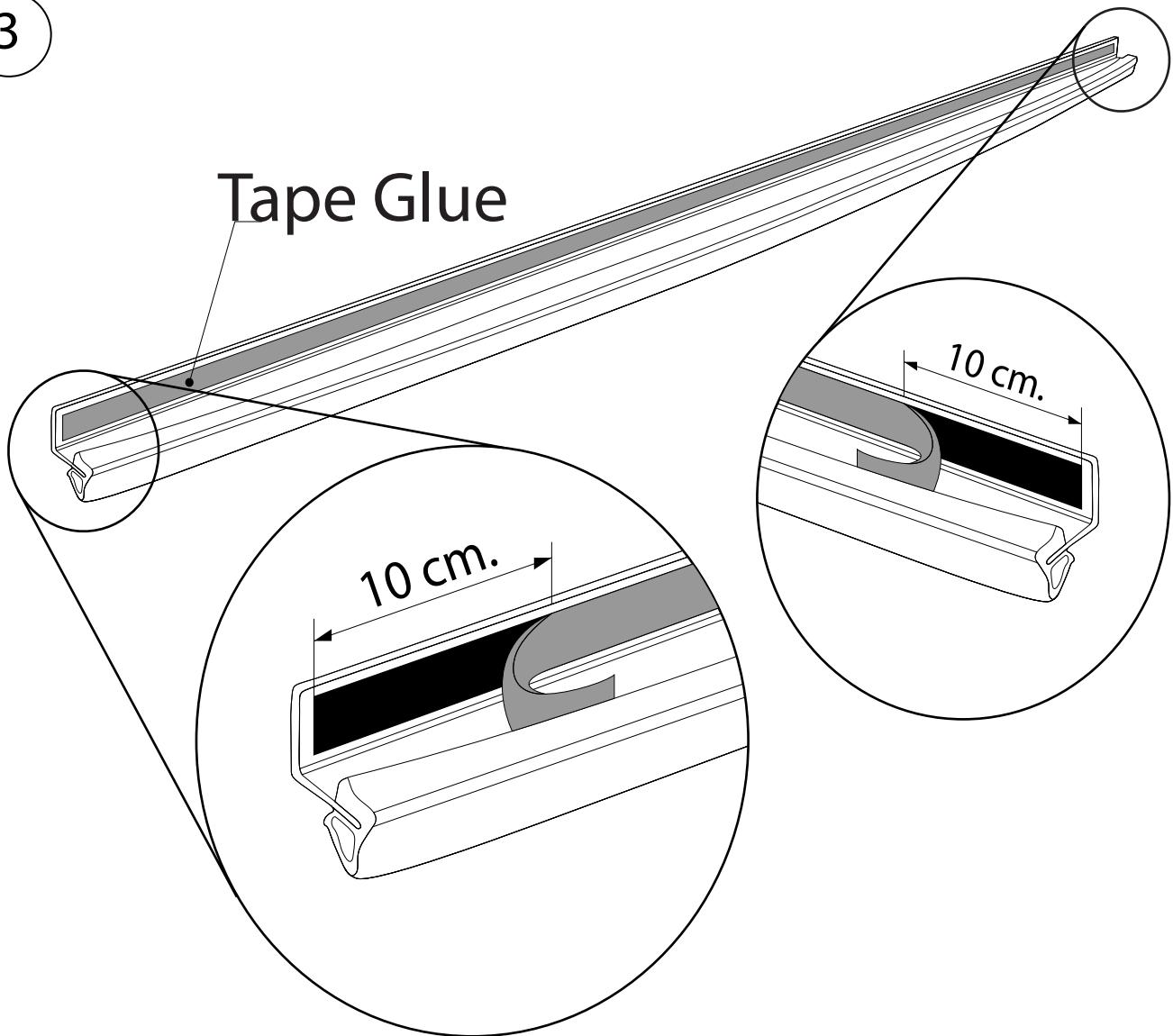
5





3

Tape Glue



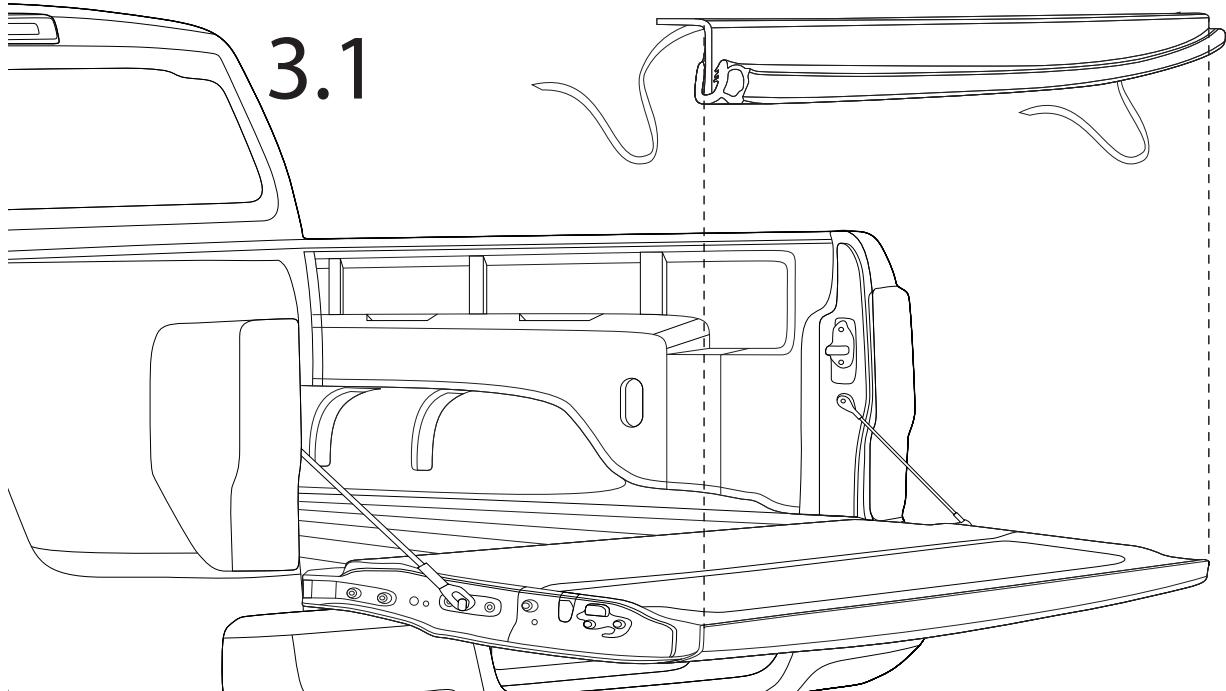
The position  
of Tape Glue.

Pull tape glue out 10 cm. on each side.



4

3.1

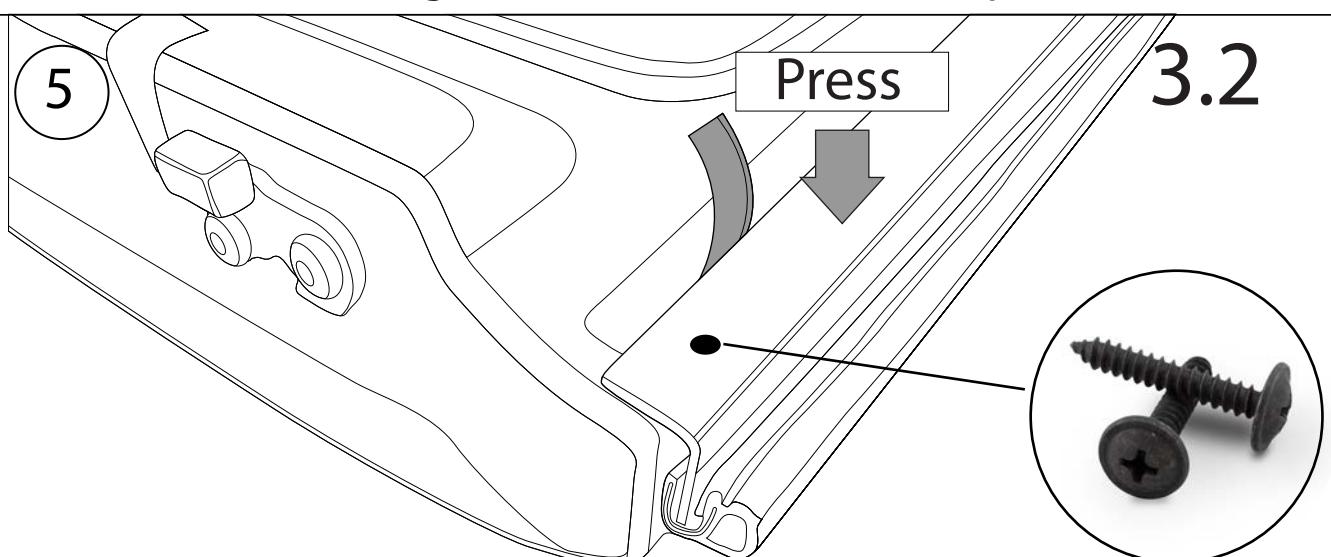


Alignment the position between the edge  
of tailgate and Frame Weather Strip.

5

Press

3.2



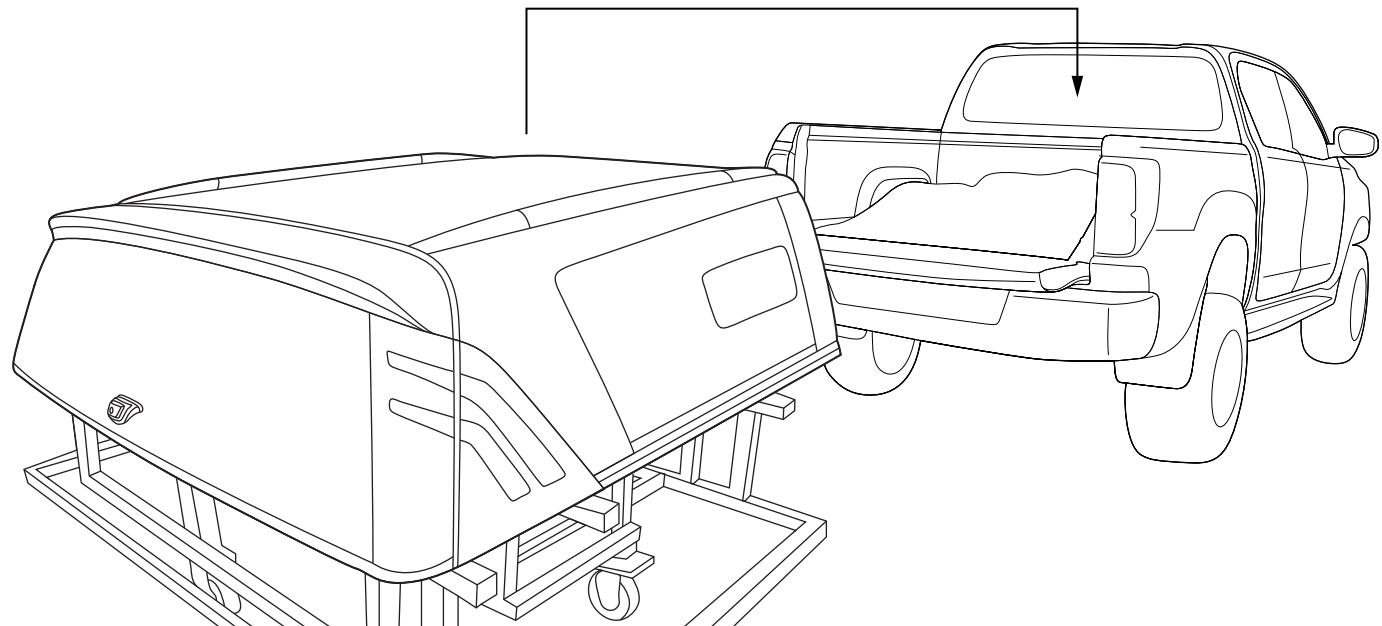
Self-tapping screw  
Light / Right

Pull the tape glue.

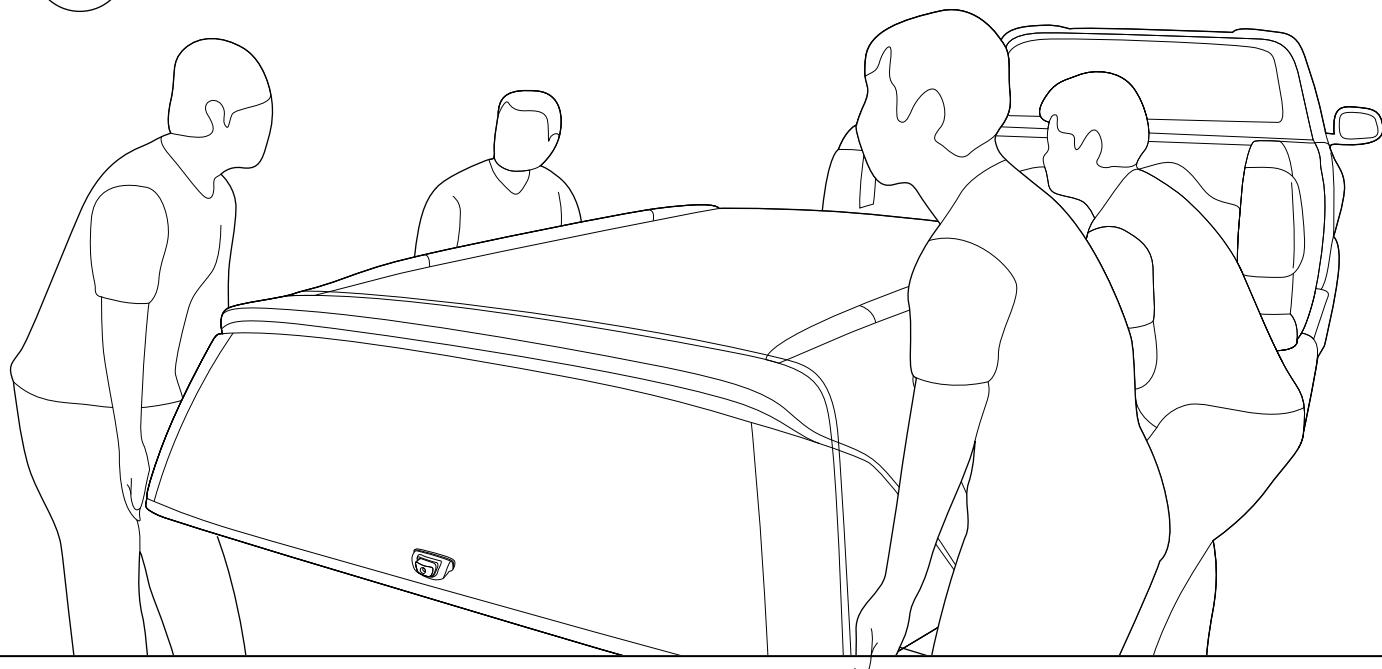


6

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



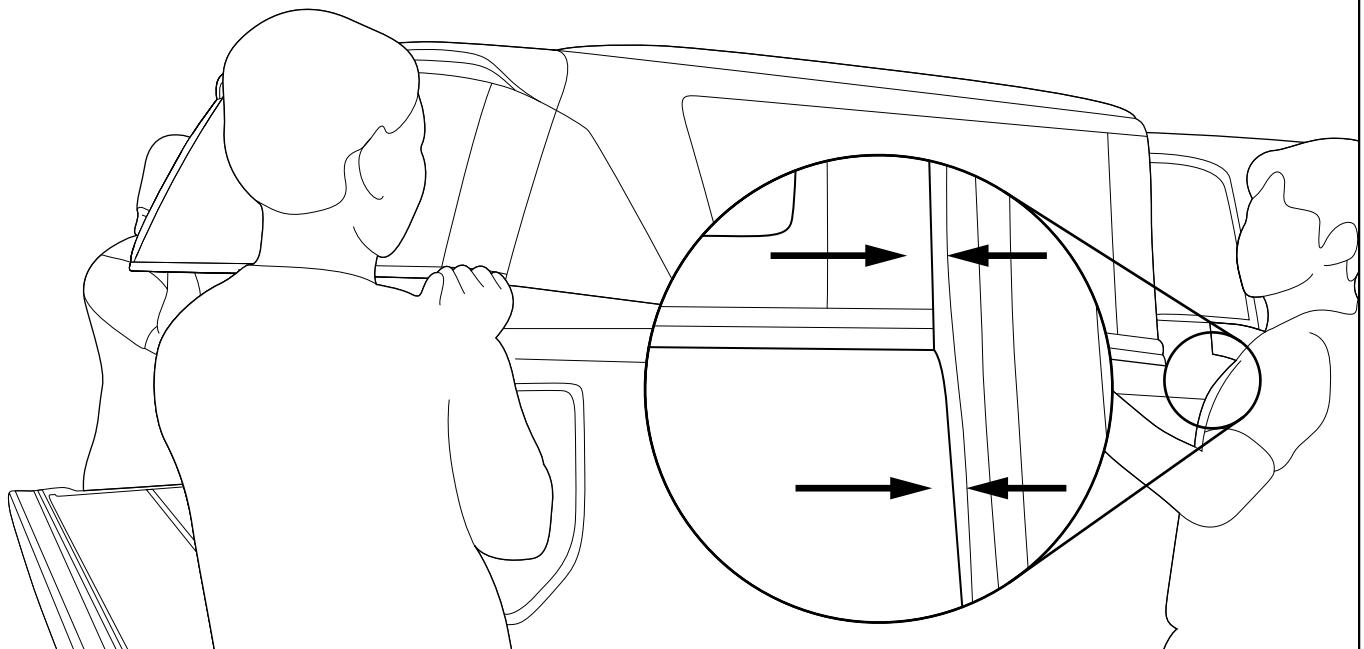
7



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

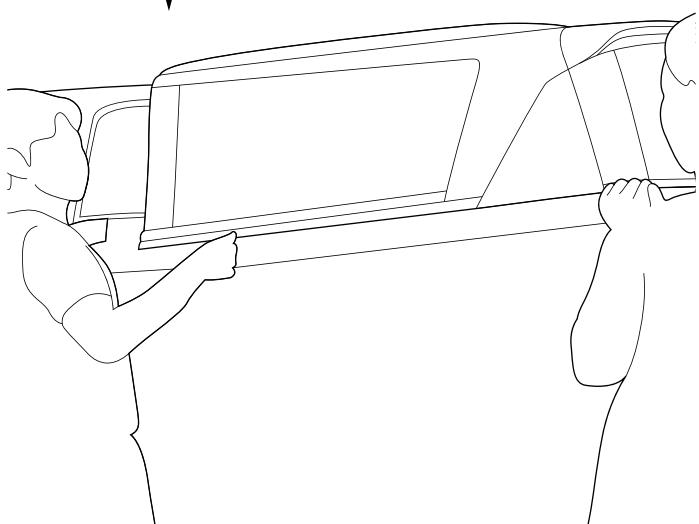


8

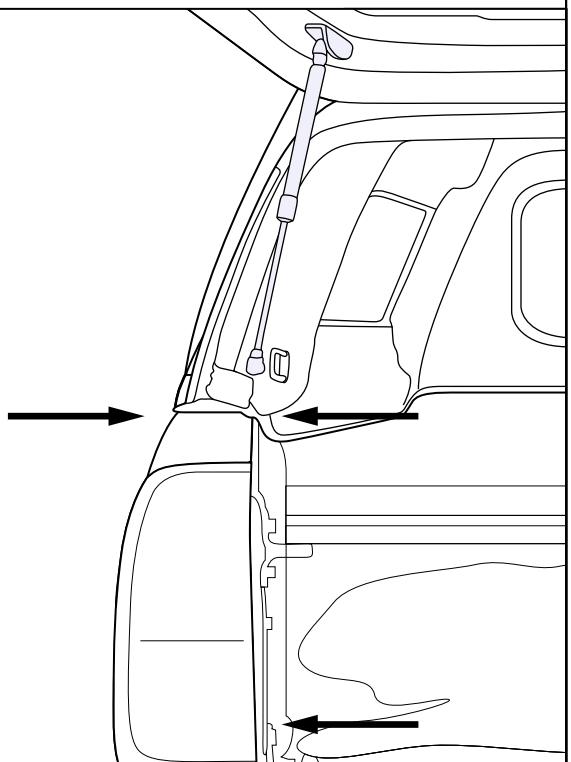


Lift canopy over the pick up truck by rising the rear part higher and the front part to be in the parallel with the edge of the vehicle tub.

9



10



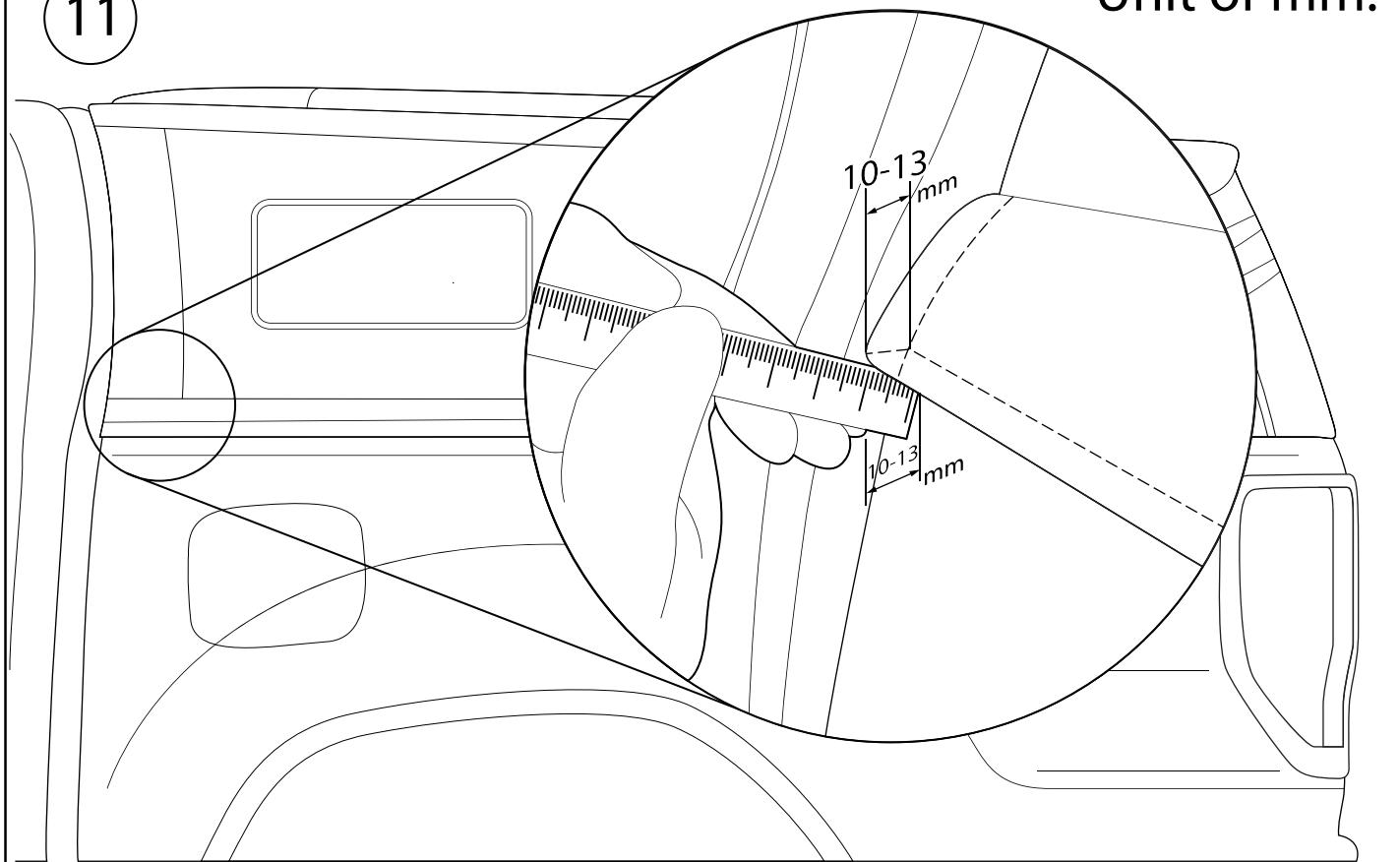
After get the distance in front part and then put the rear part to cover the vehicle tub.

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



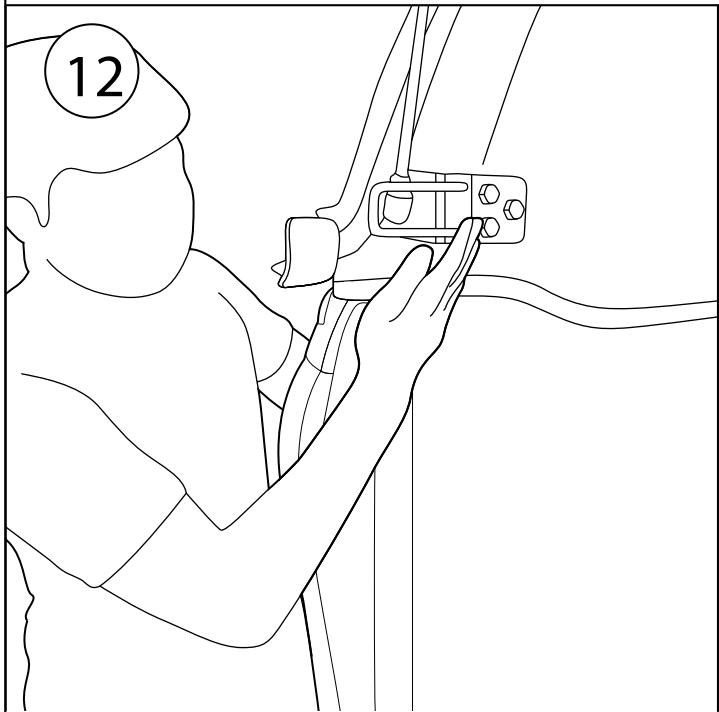
11

Unit of mm.

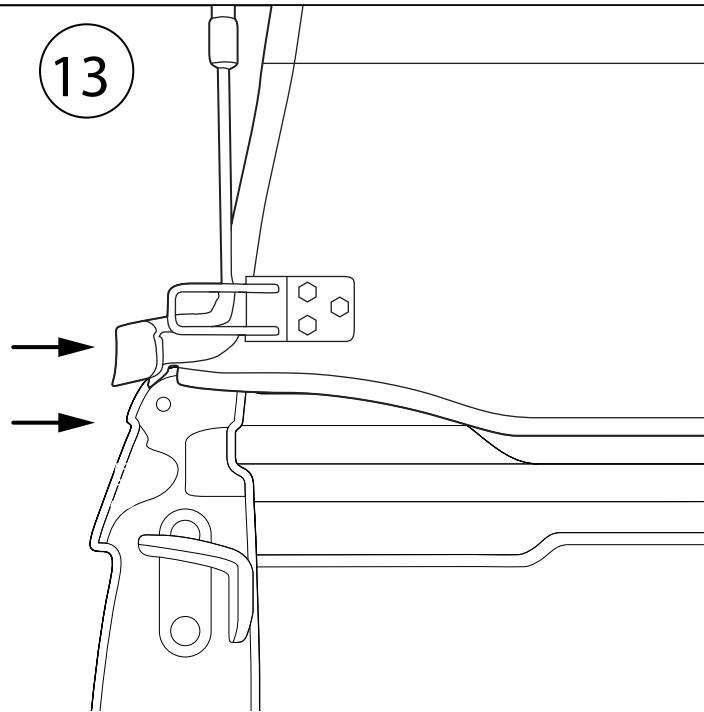


Side edge of canopy to be in the parallel with the Side edge of the vehicle tub.

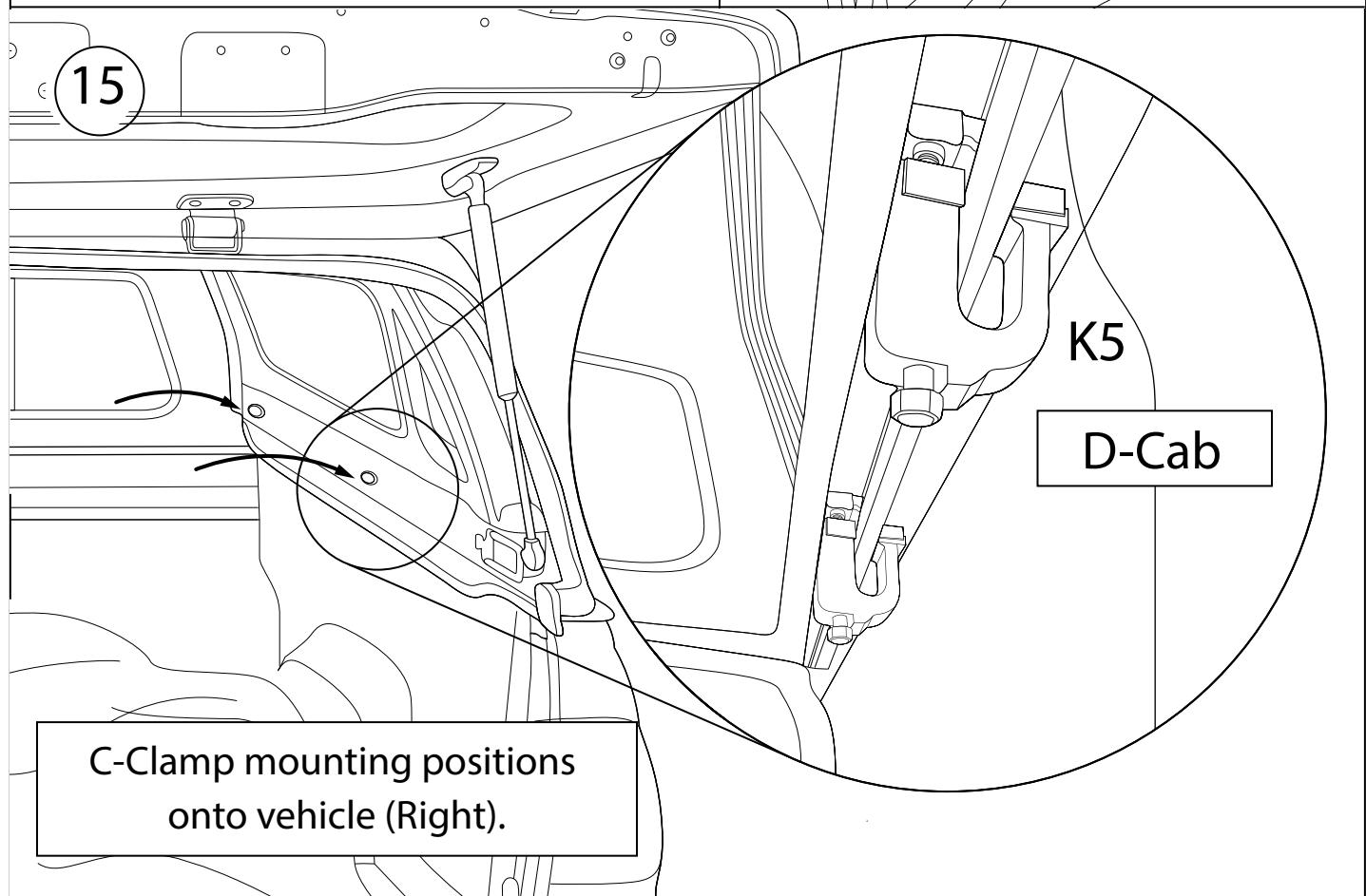
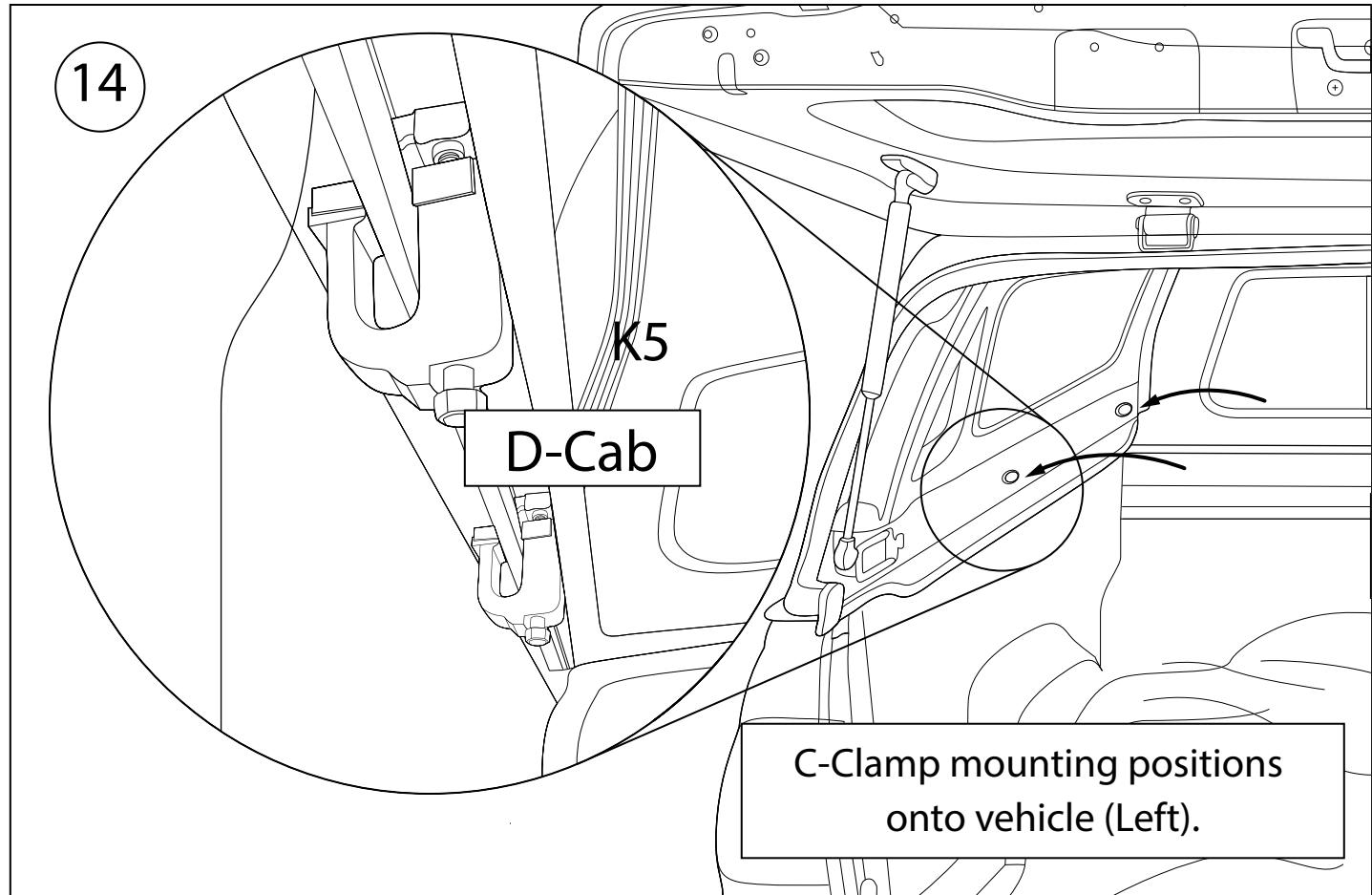
12

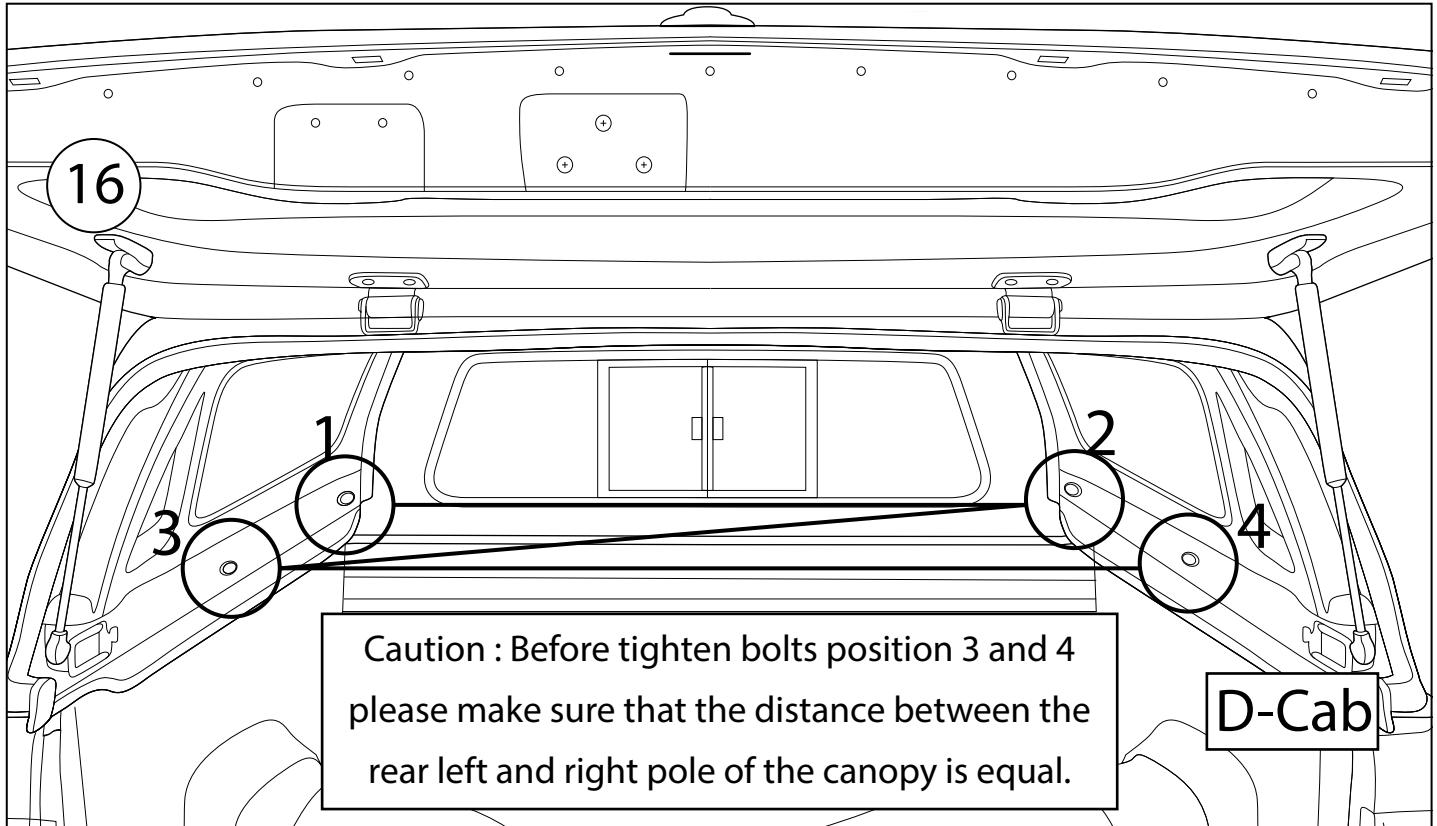


13

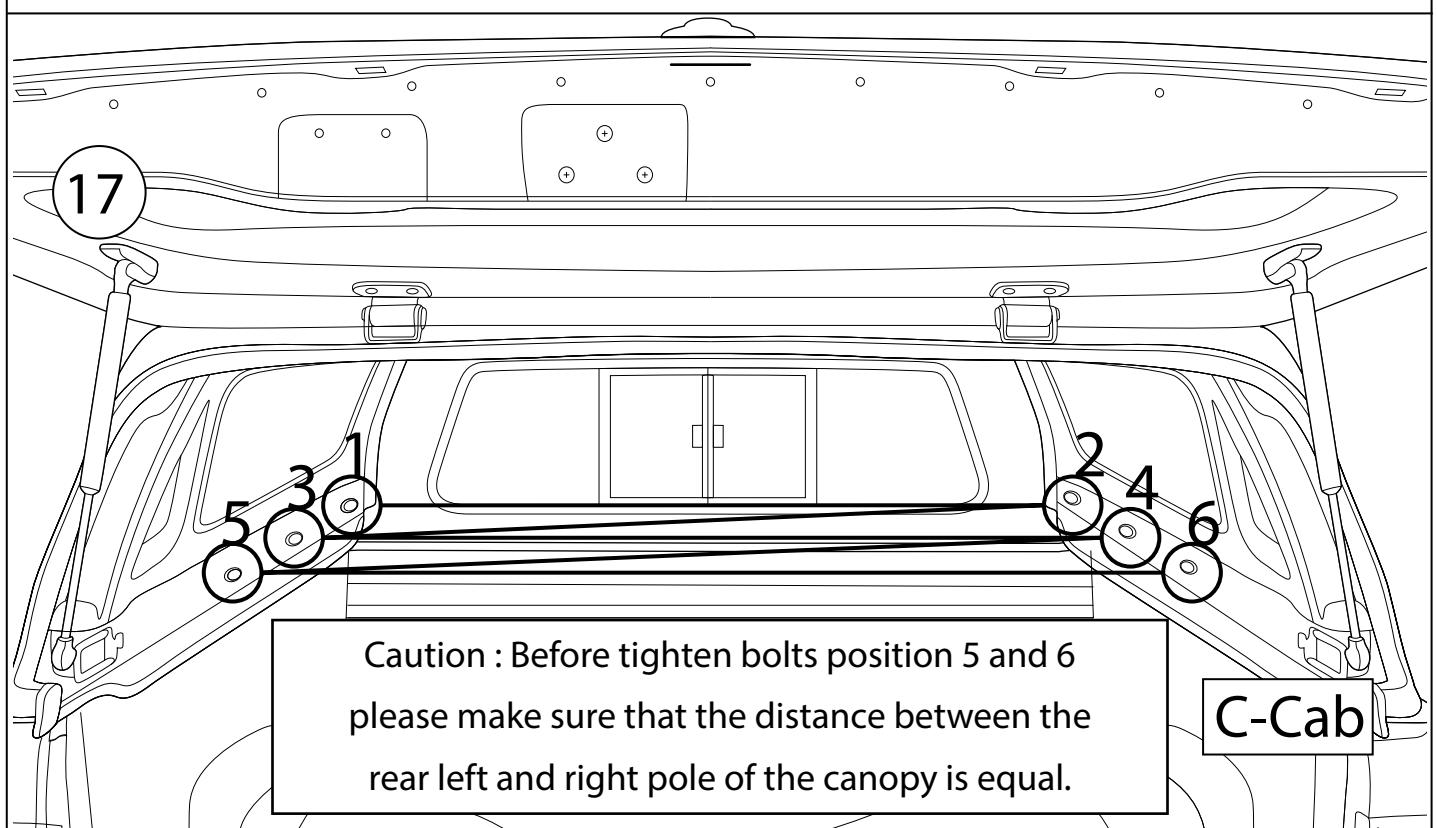


After finished measure the side part, check the distance at rear part of canopy which must have to be in the parallel with the Rear edge of the vehicle tub.





Steps of canopy C-Clamp bolts tightening onto vehicle.

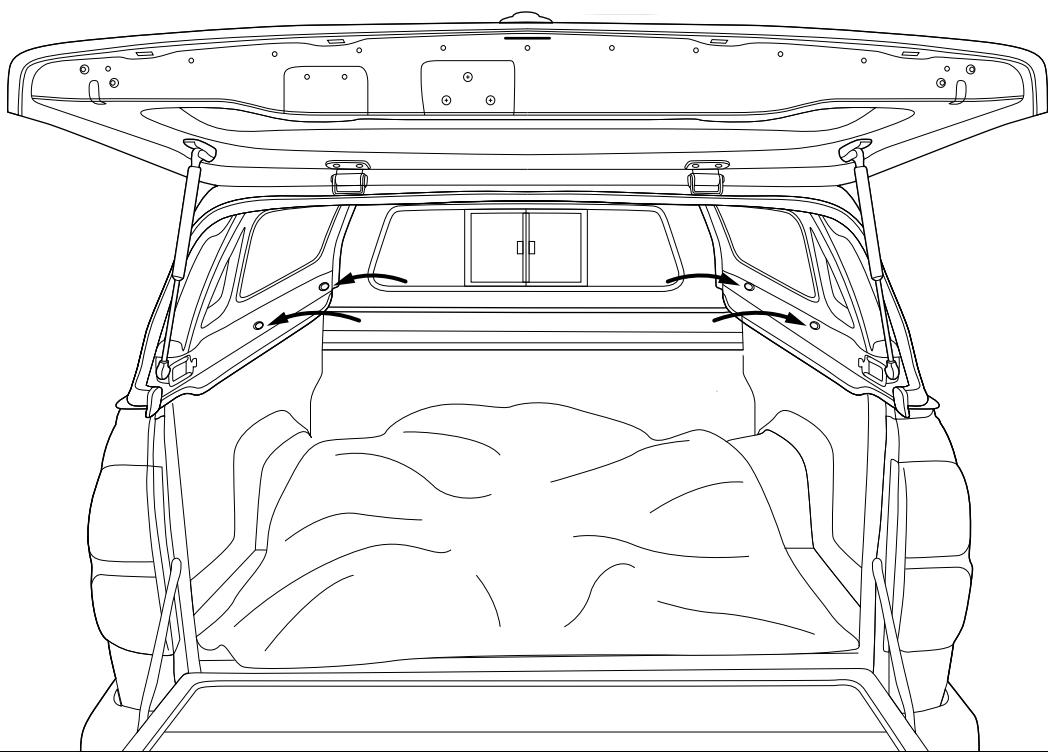


Steps of canopy C-Clamp bolts tightening onto vehicle.



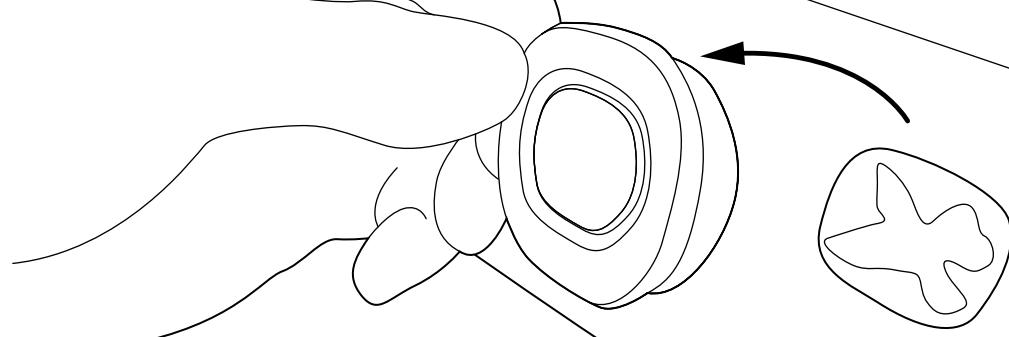
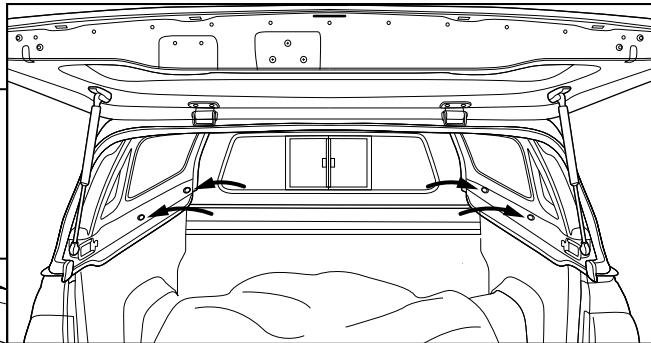
18

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



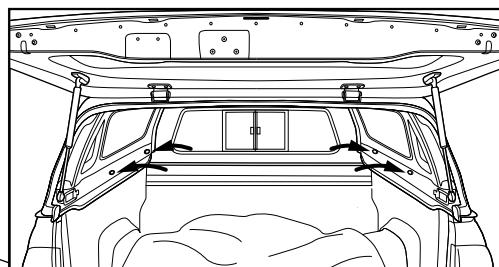
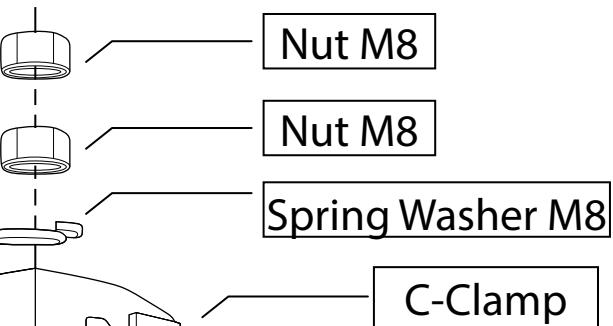
19

Open / take off  
the rubber plug.

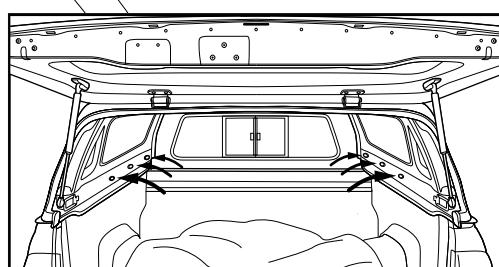




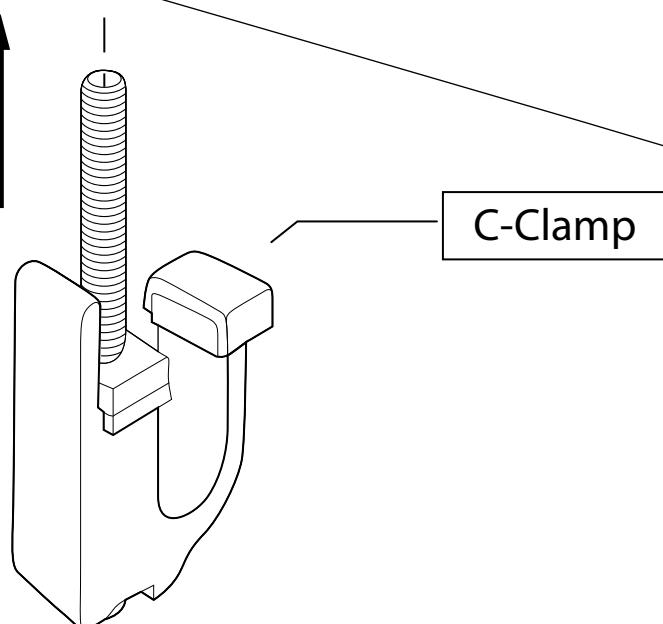
20



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



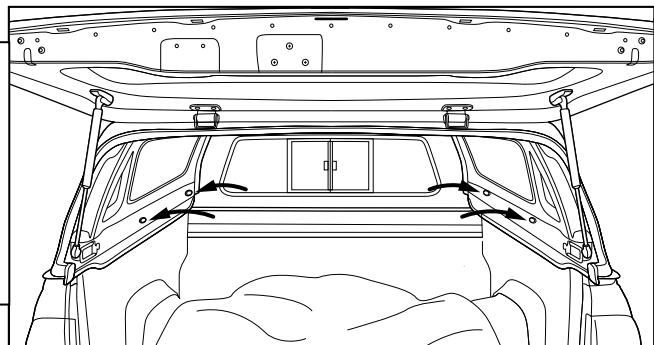
The process of C-Clamp installation onto the vehicle tub, all 6 positions (C-Cab).





21

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.

22

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.

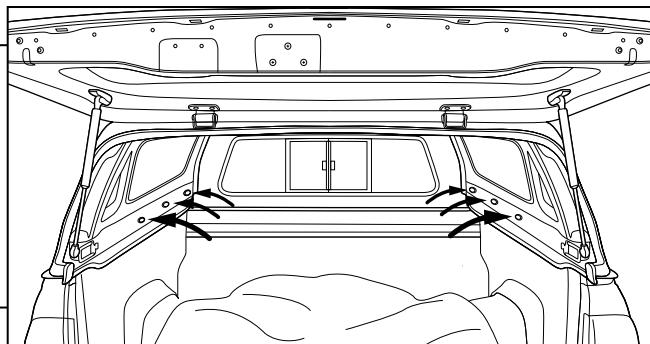
D-Cab

Steps of canopy C-Clamp bolts tightening onto vehicle.

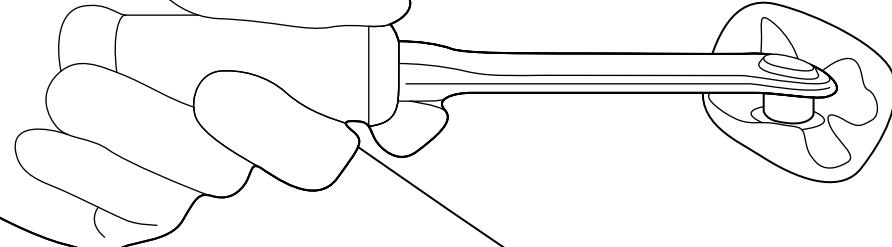


23

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

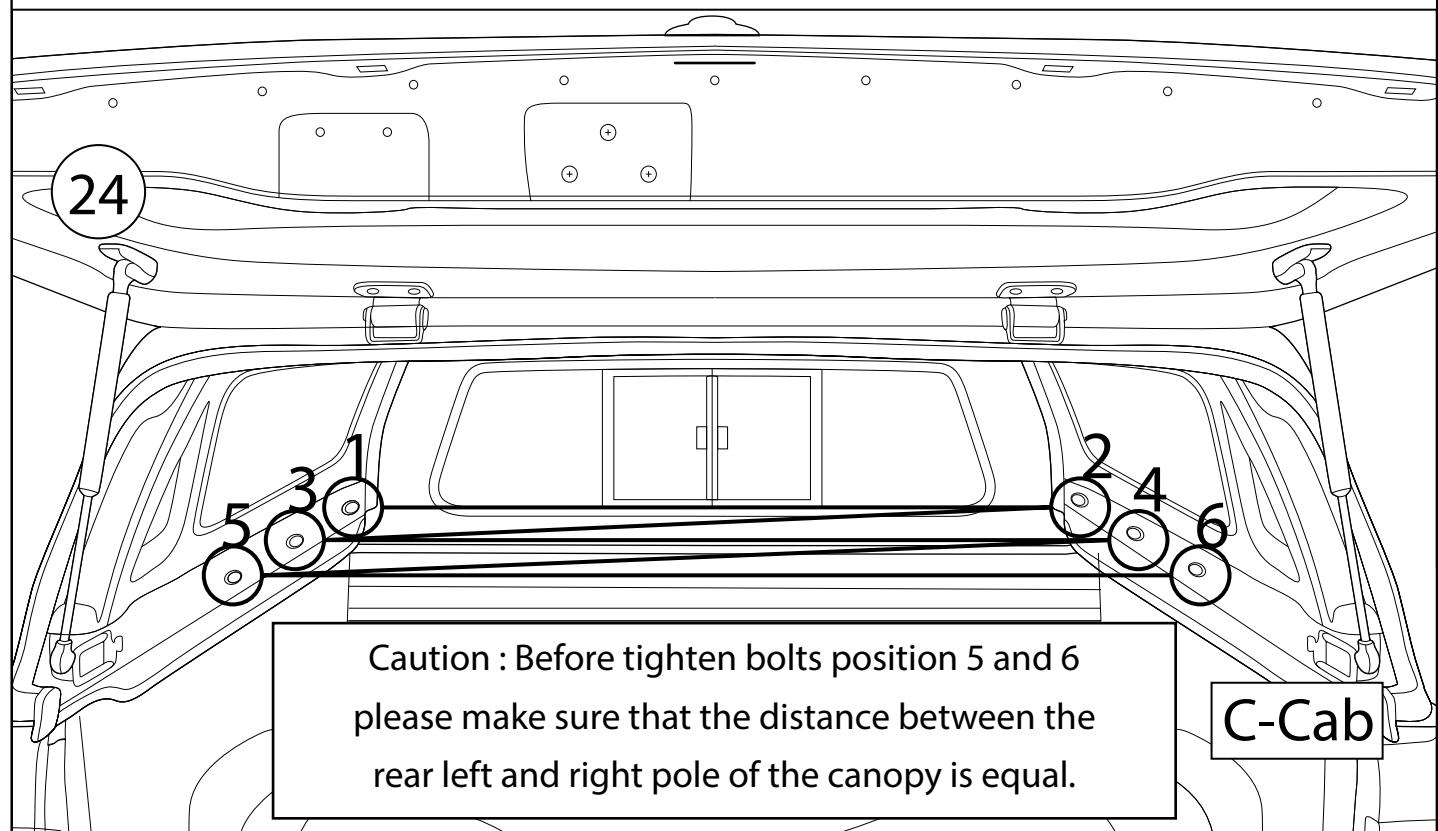


T3



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

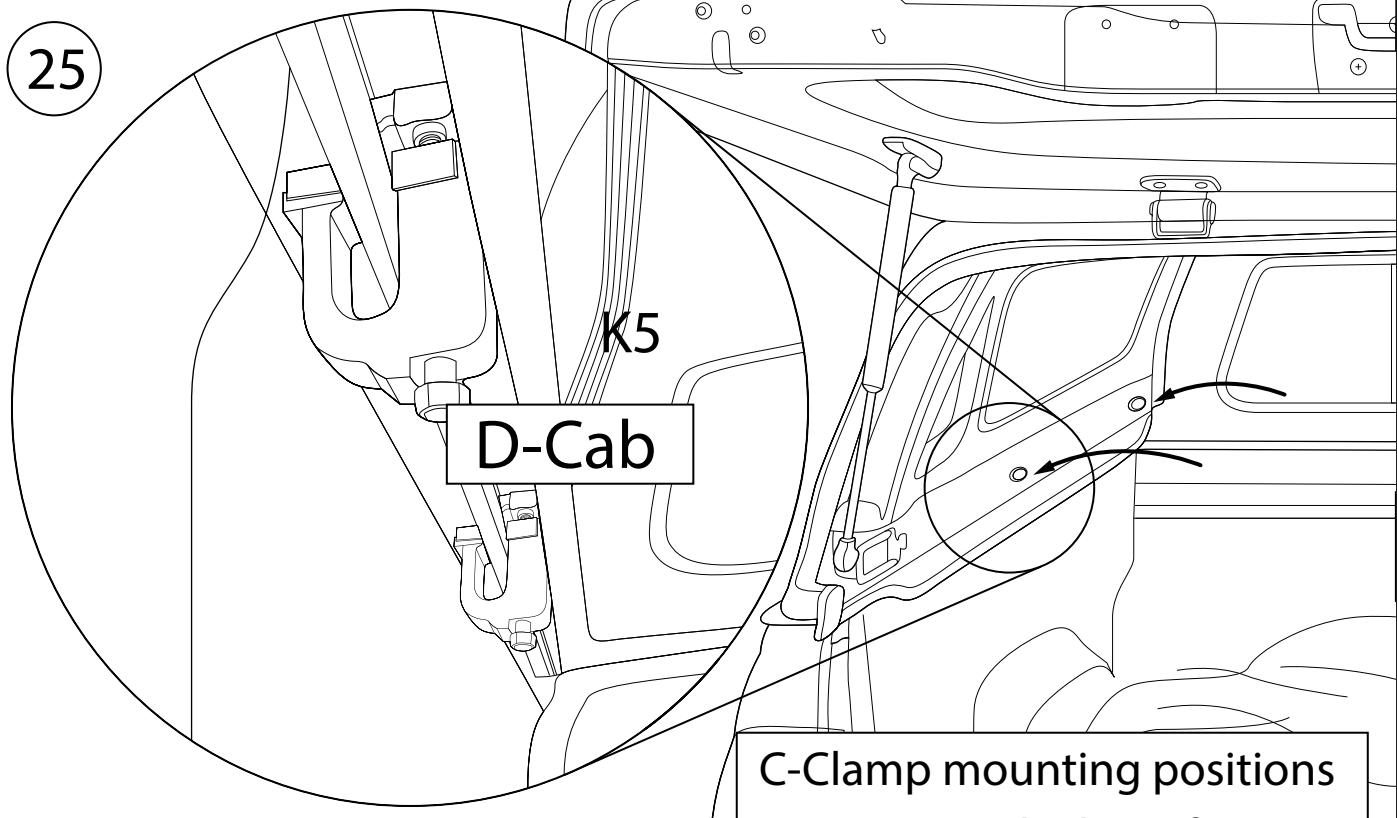
24



Steps of canopy C-Clamp bolts tightening onto vehicle.

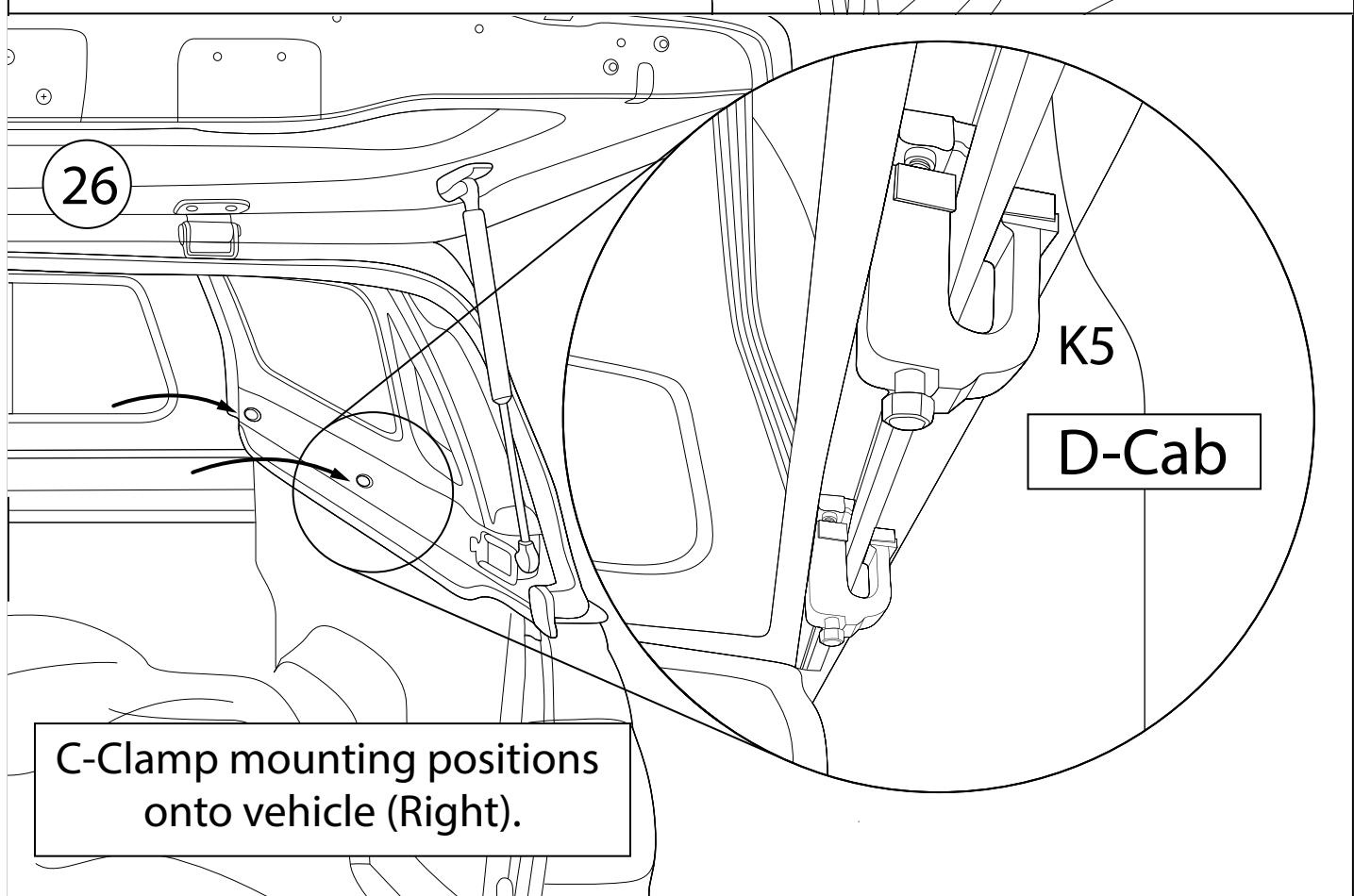


25



C-Clamp mounting positions  
onto vehicle (Left).

26



C-Clamp mounting positions  
onto vehicle (Right).



27

K5  
C-Cab

C-Clamp mounting positions  
onto vehicle (Left).

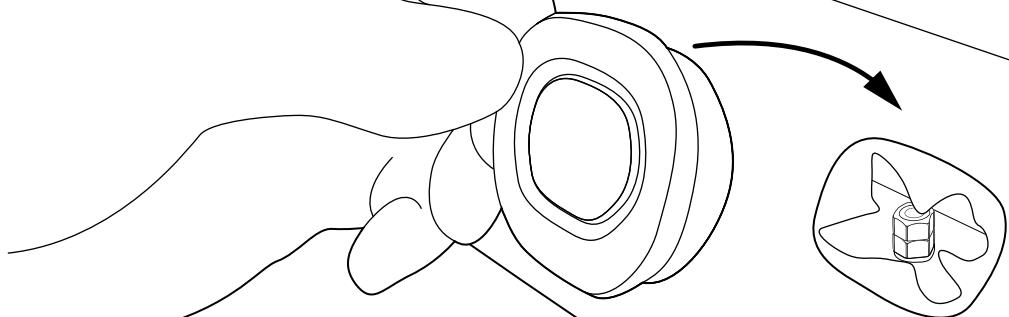
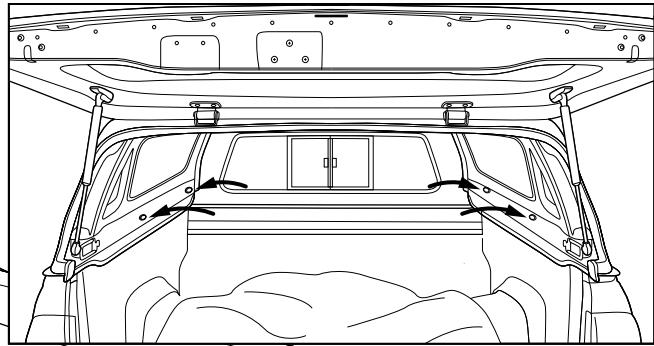
28

K5  
C-Cab

C-Clamp mounting positions  
onto vehicle (Right).

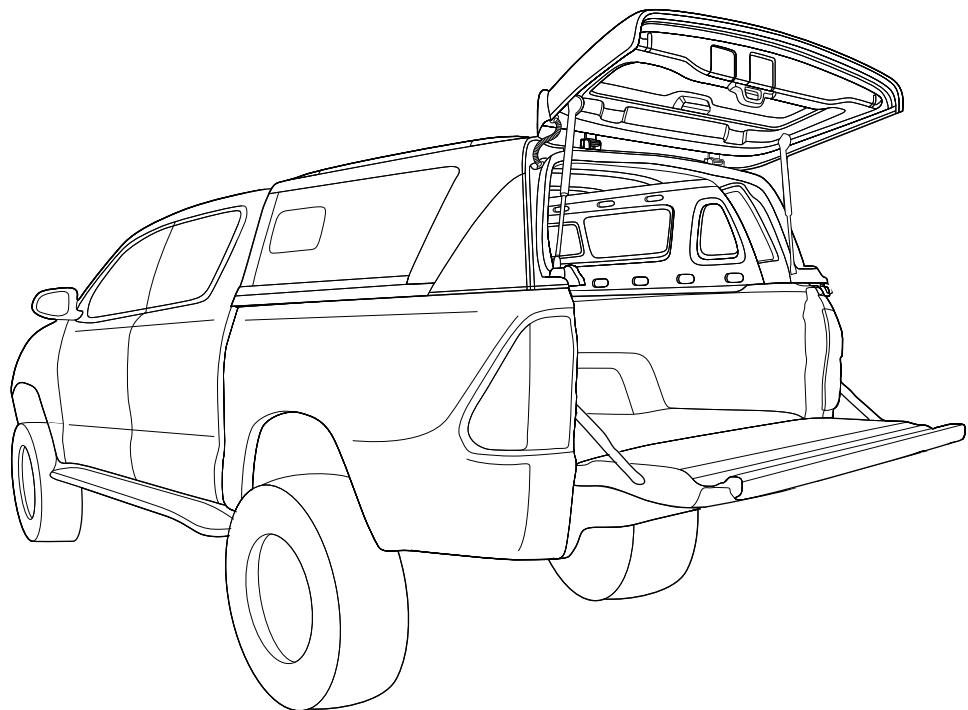


29



Close the rubber plug.

30



The process of canopy installation is completed.

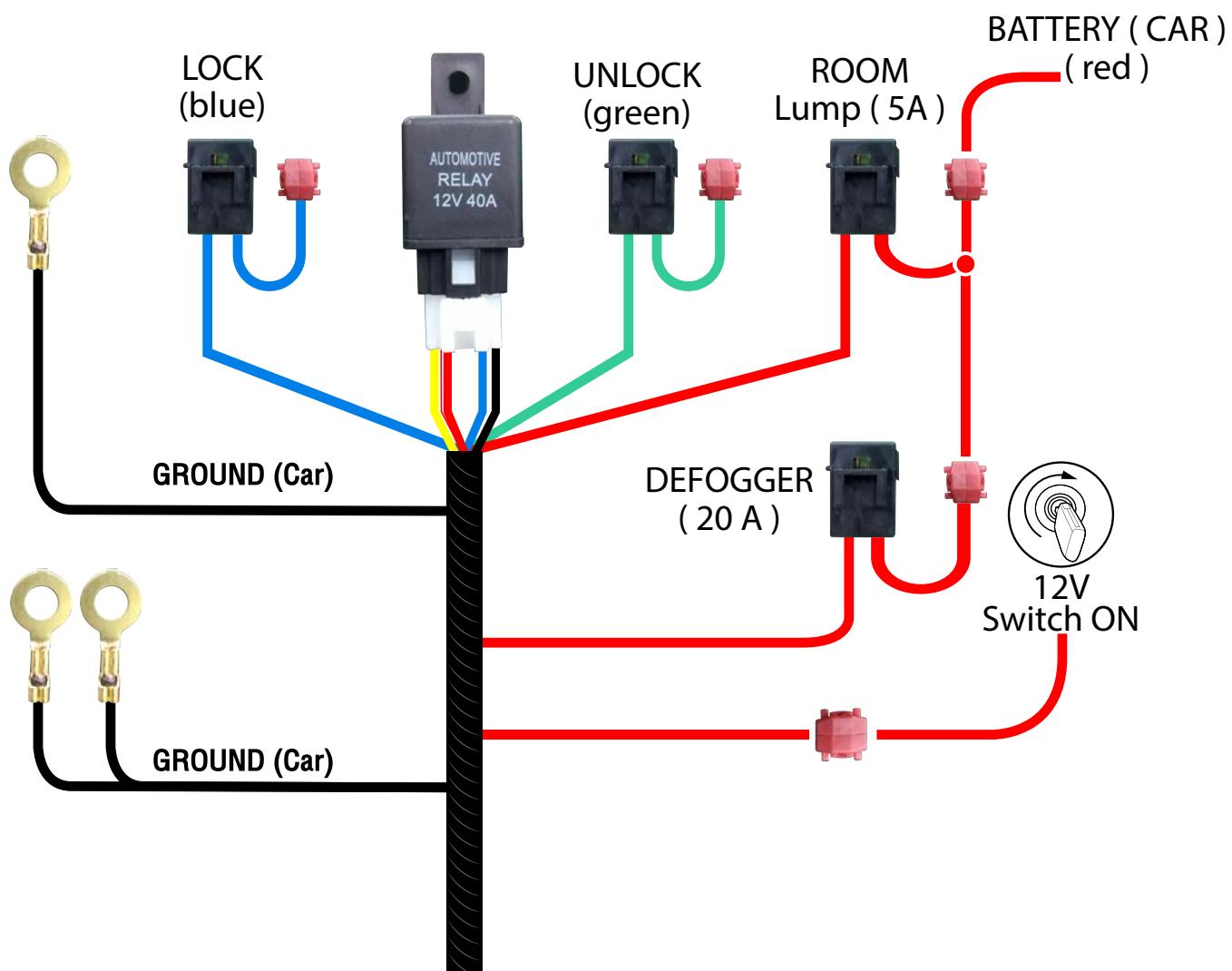


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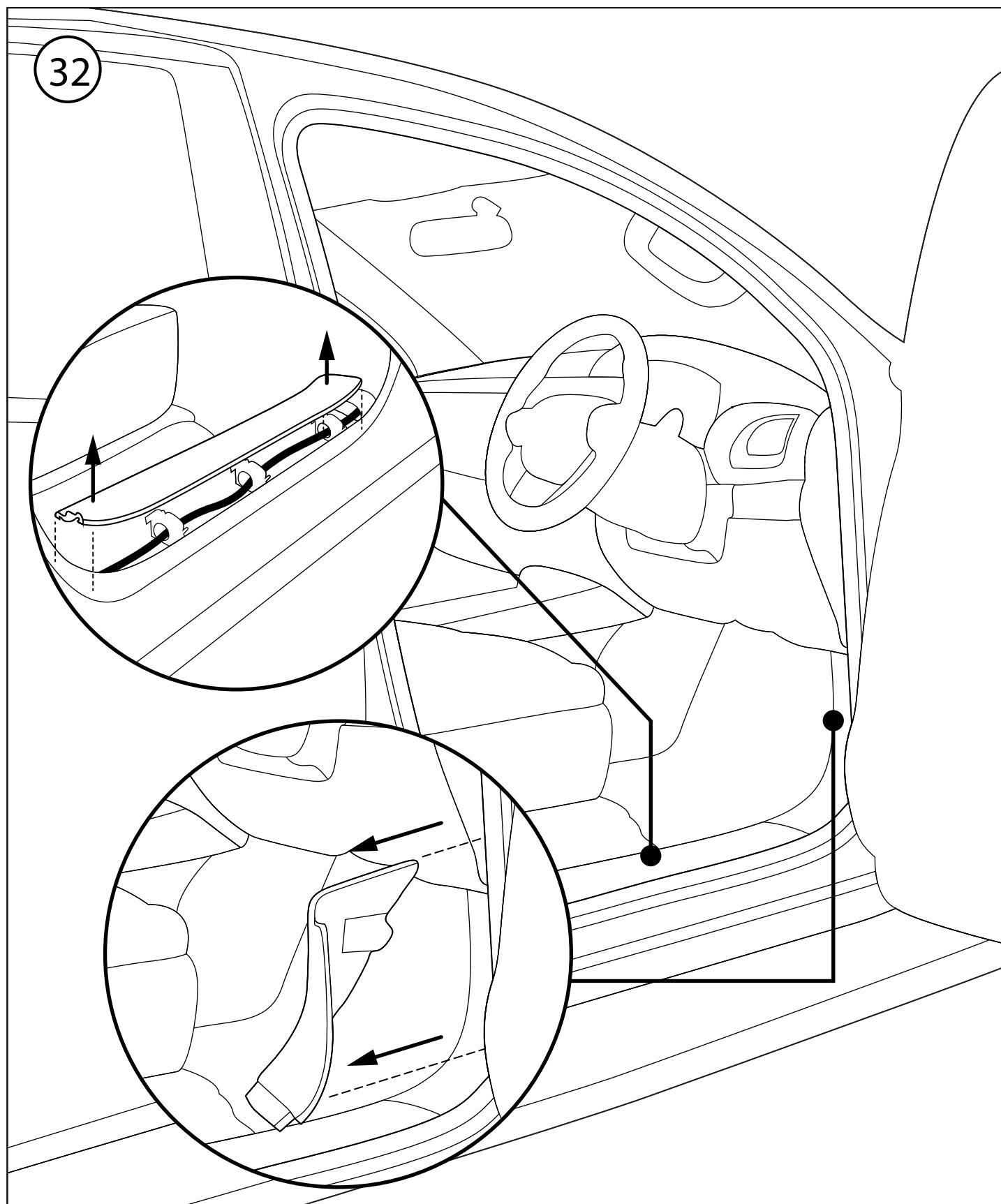
# **Electrical Installation**



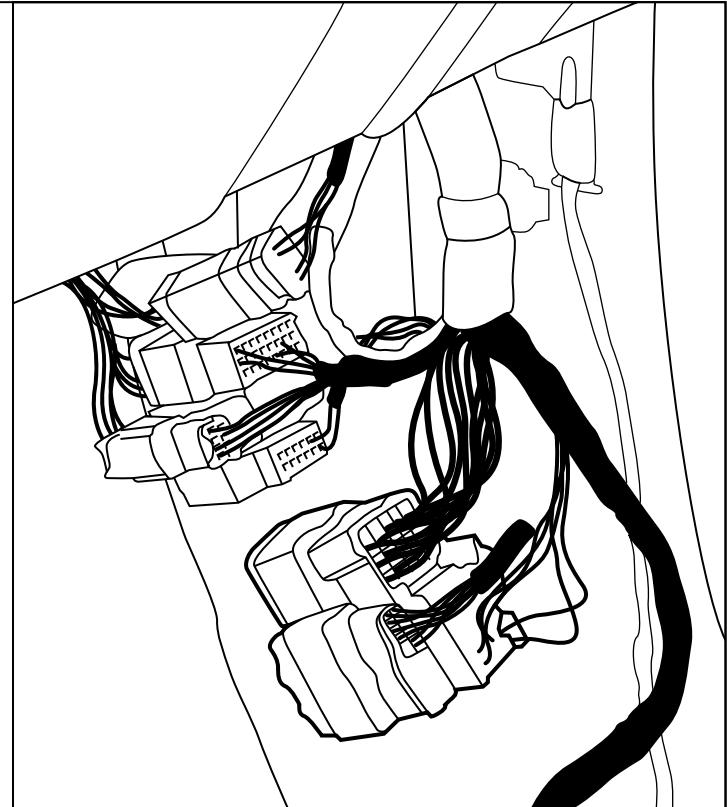
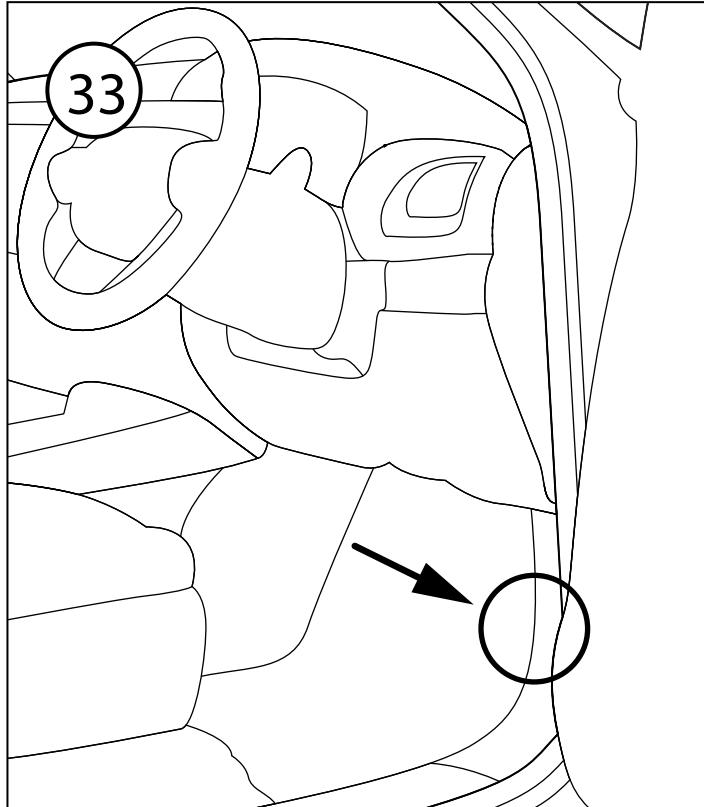
31



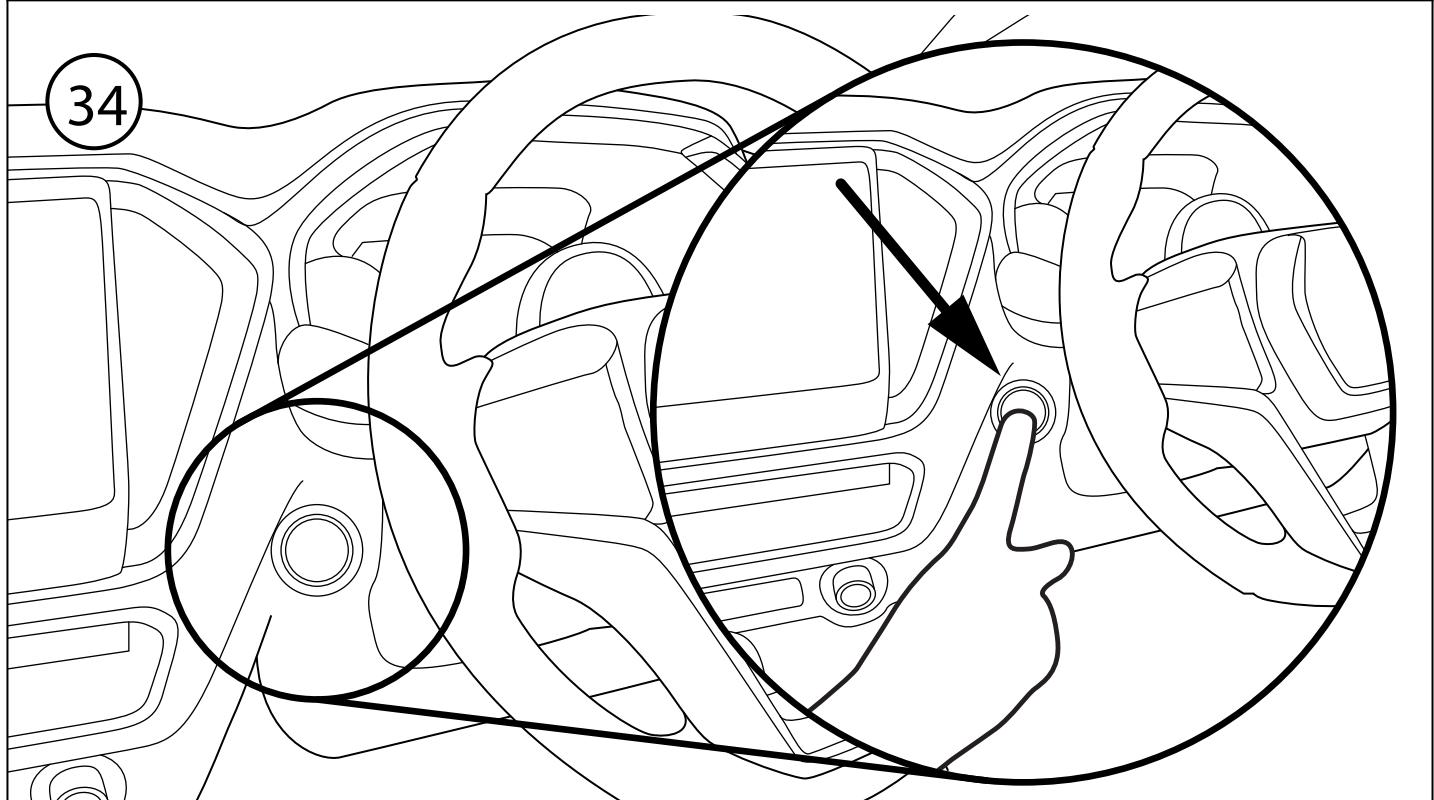
## Harness Central Lock No.38



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



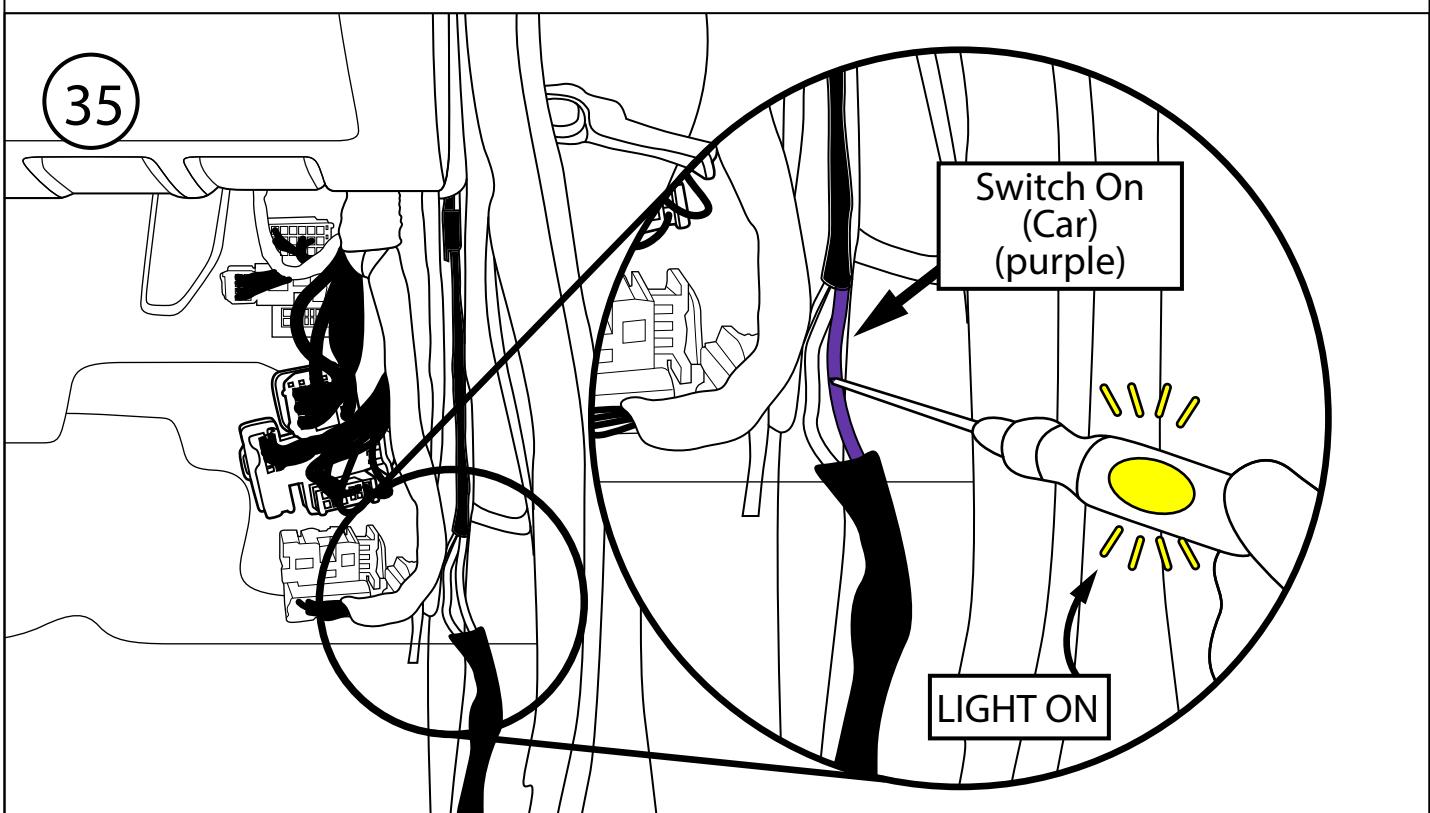
Control Box position that will connect with Harness Central Lock No.38



Step of checking Switch on position, begin with push the button to Engine Start position.

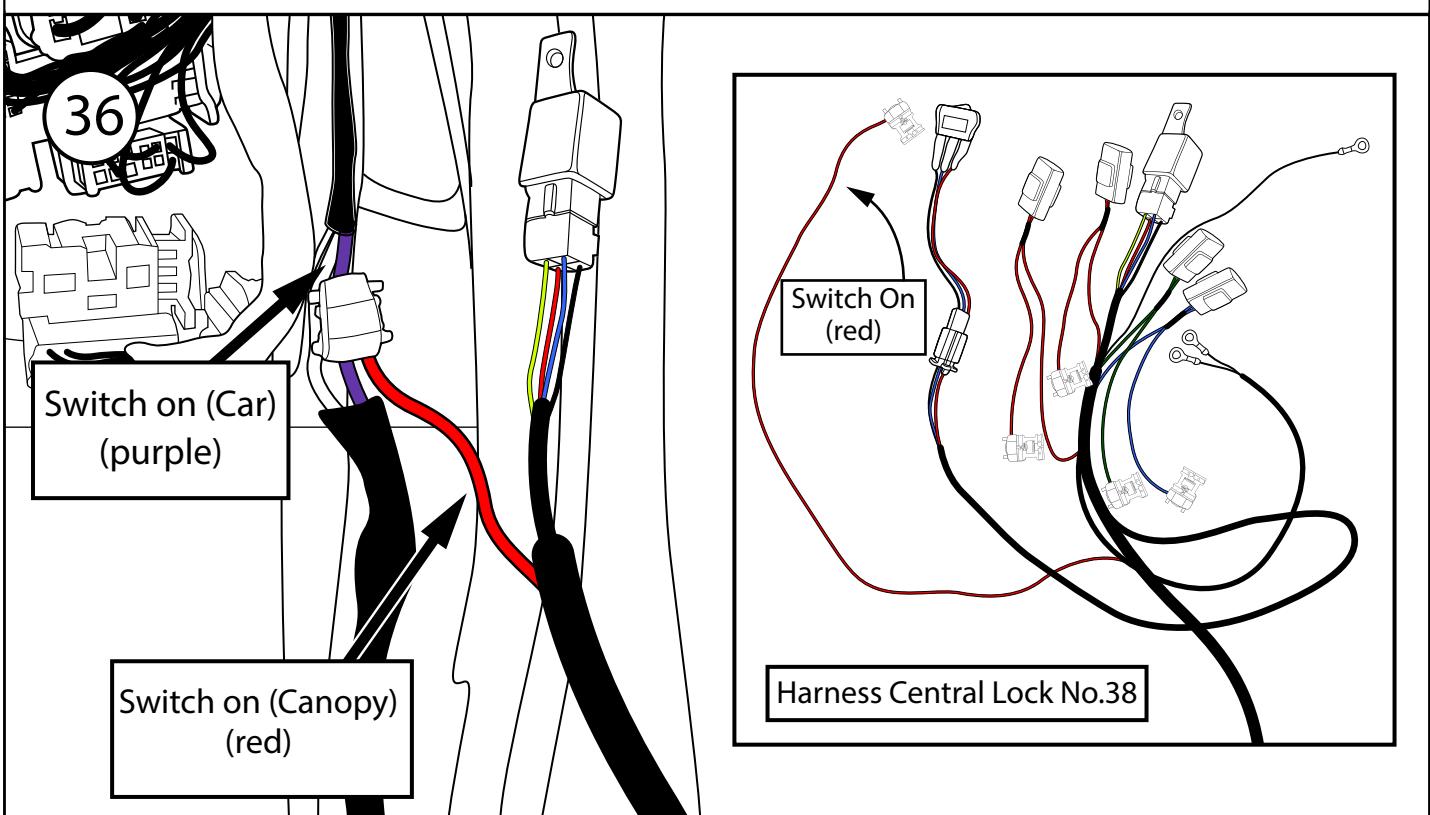


35



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

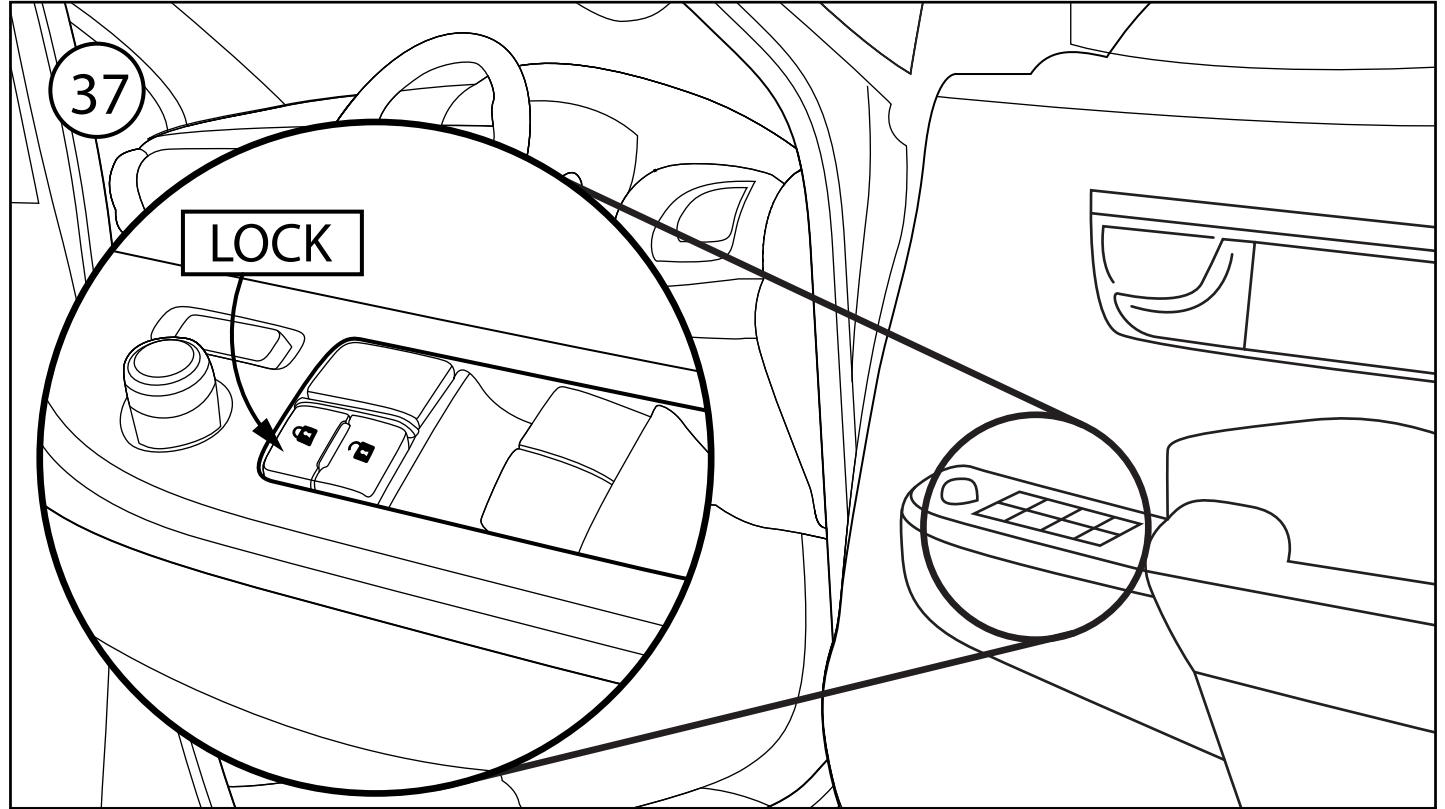
36



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.



37



LOCK

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

38



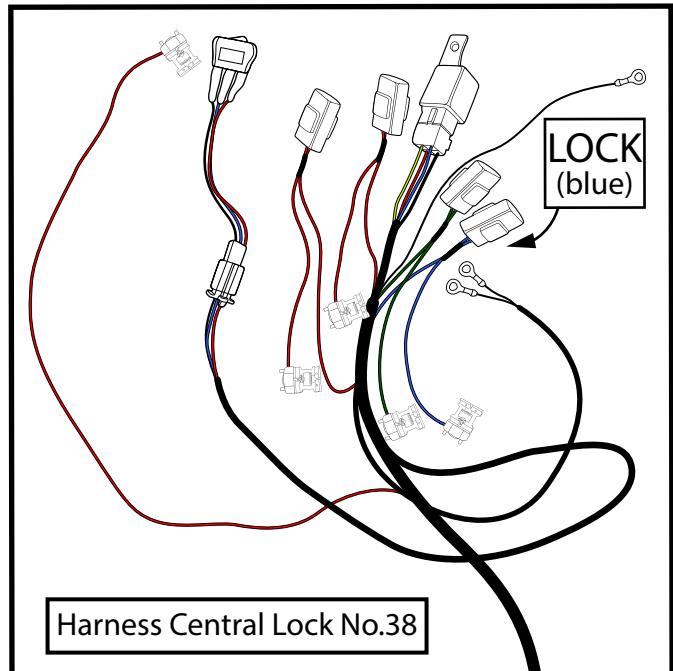
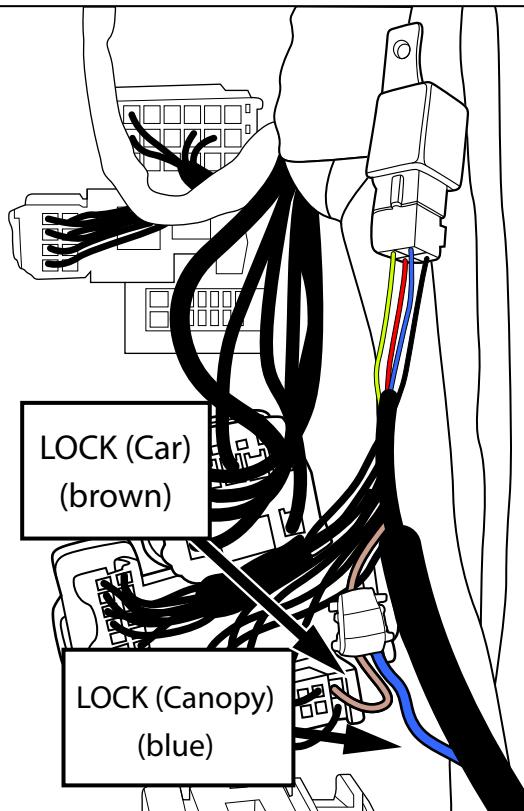
Lock (Car)  
(brown)

LIGHT ON

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

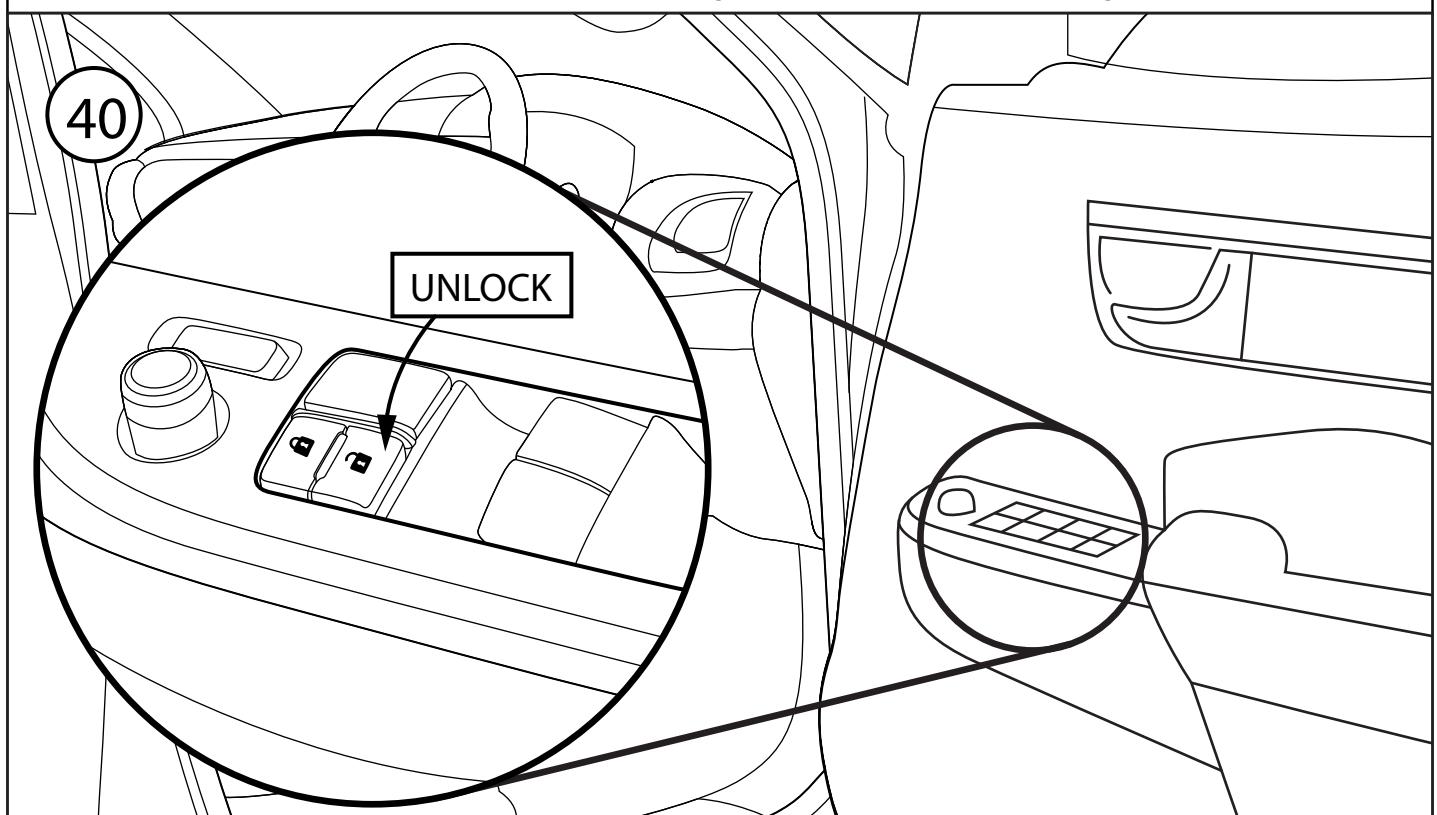


39



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

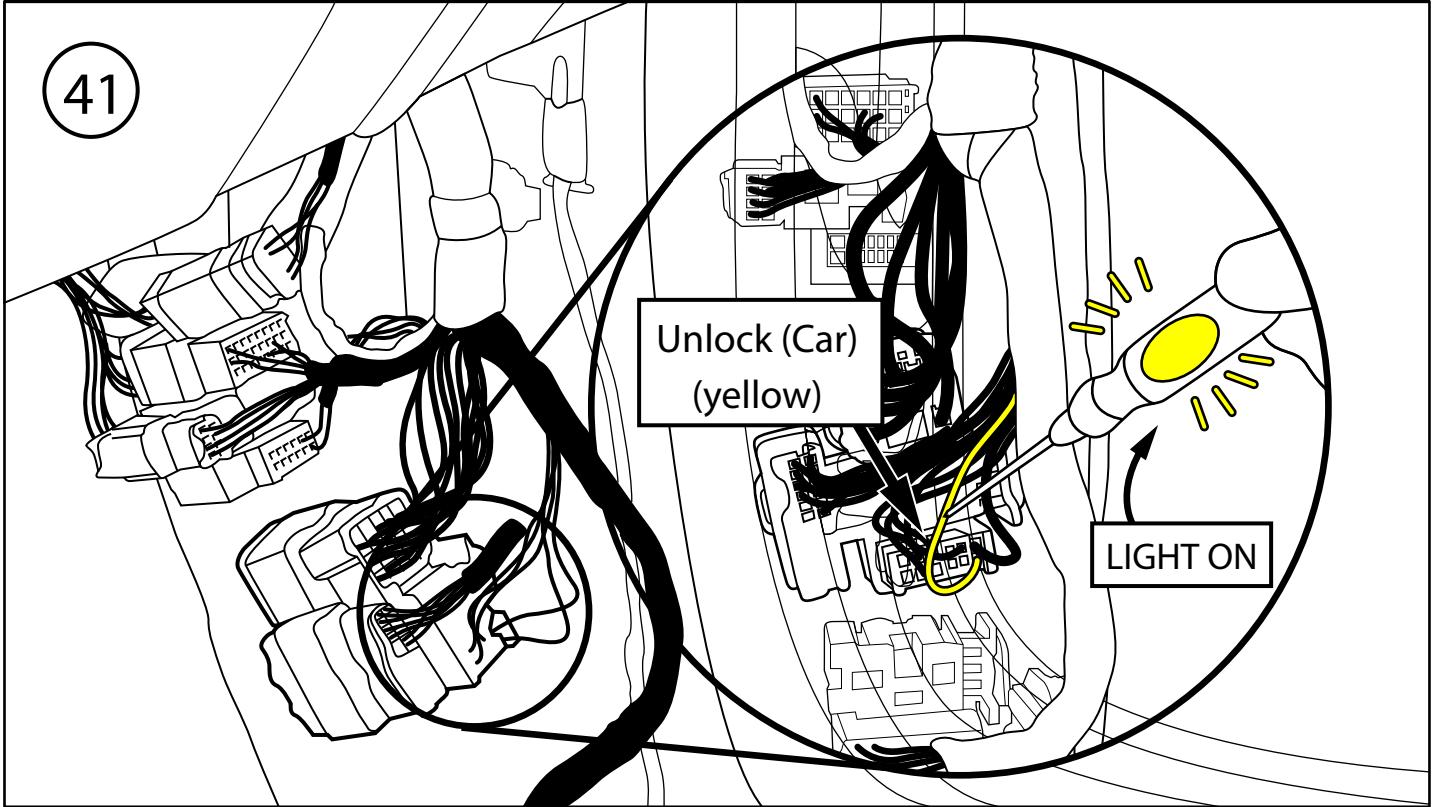
40



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

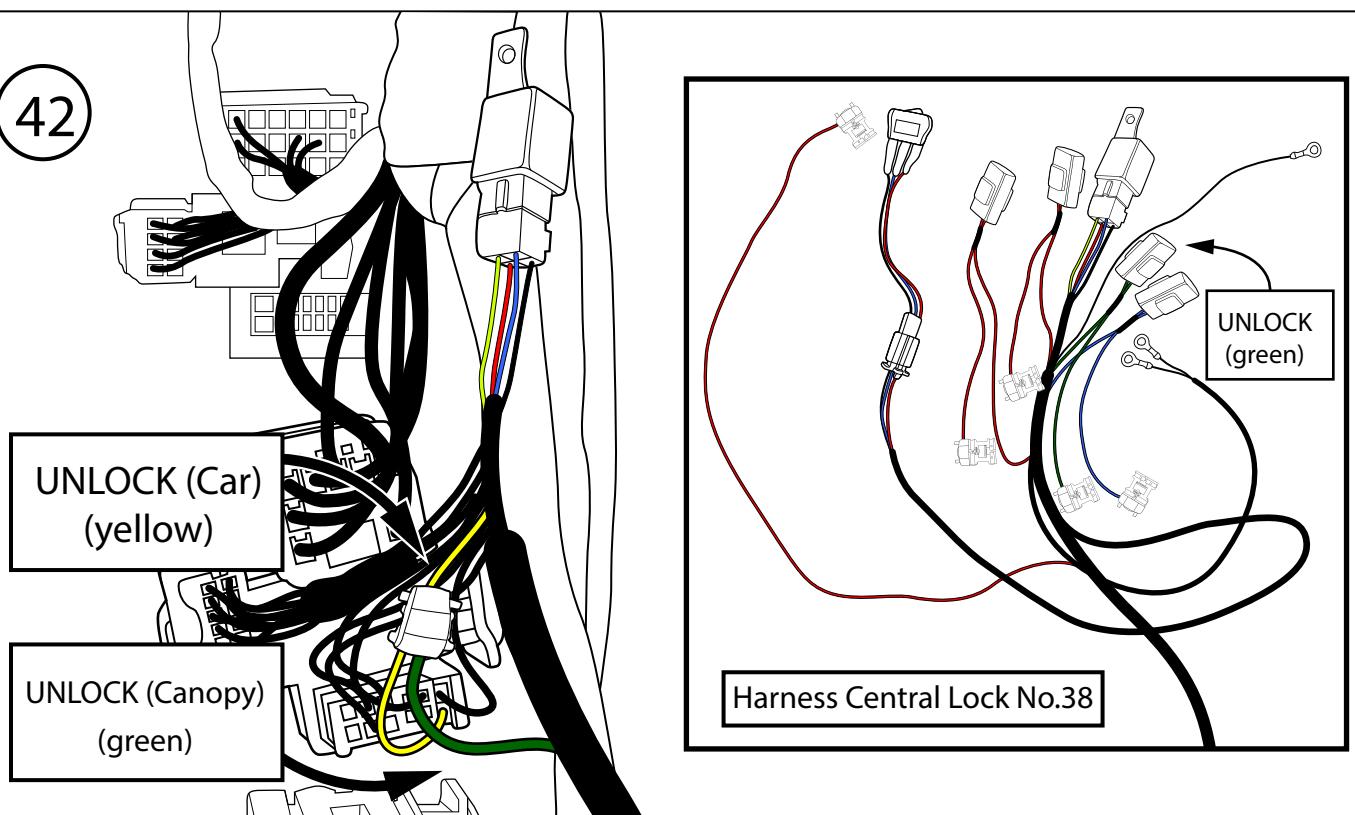


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Checking the light of the Central Lock (Lock) of vehicle position  
by using the Test Lamp kit.

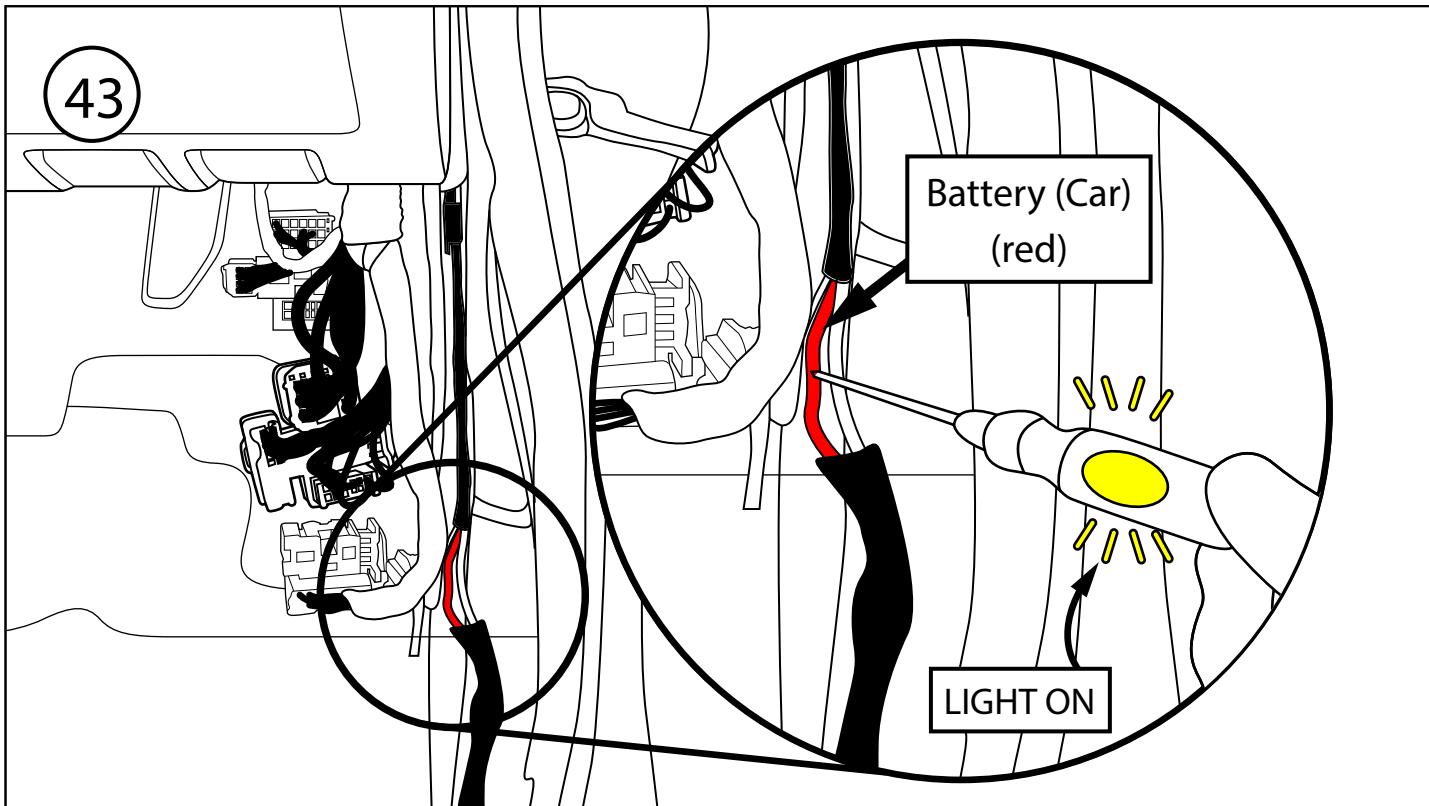
42



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

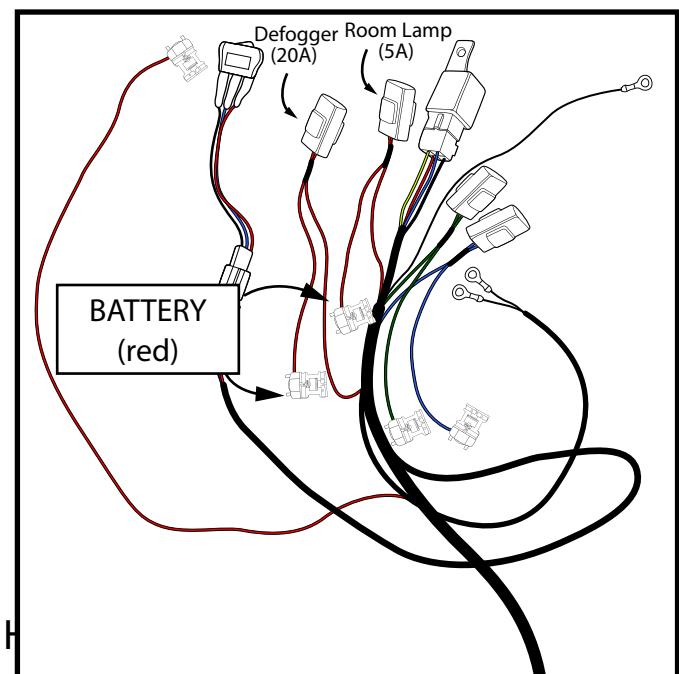
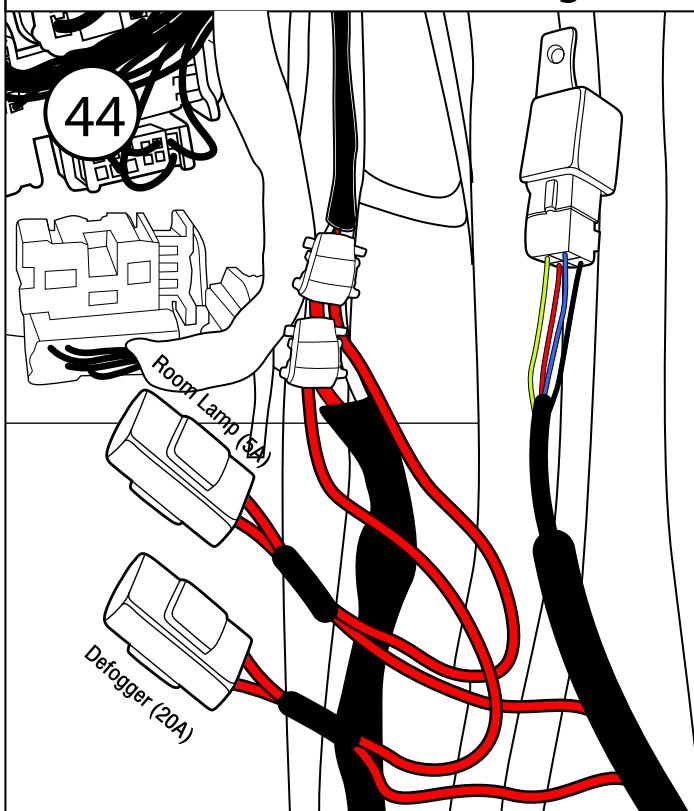


43



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

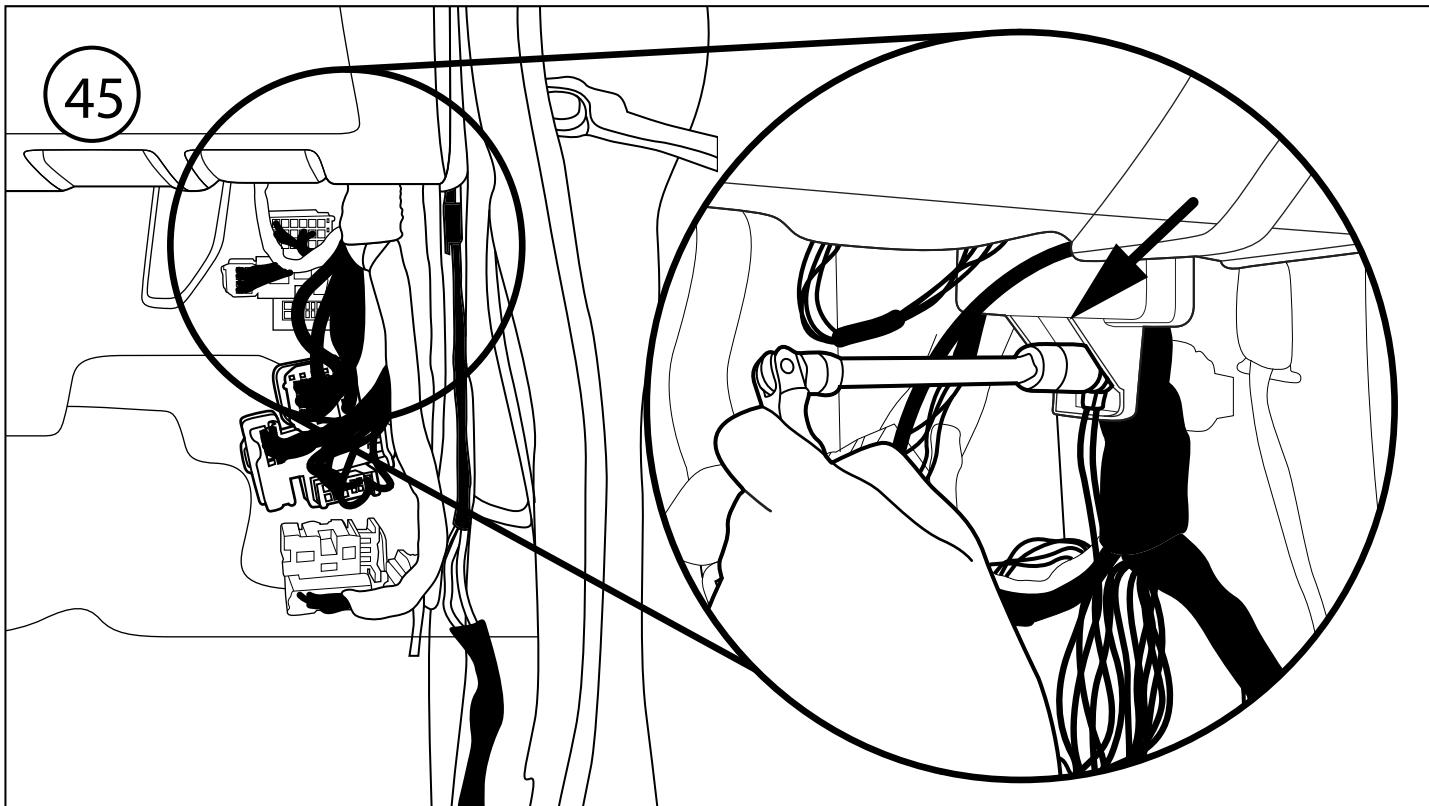
44



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.

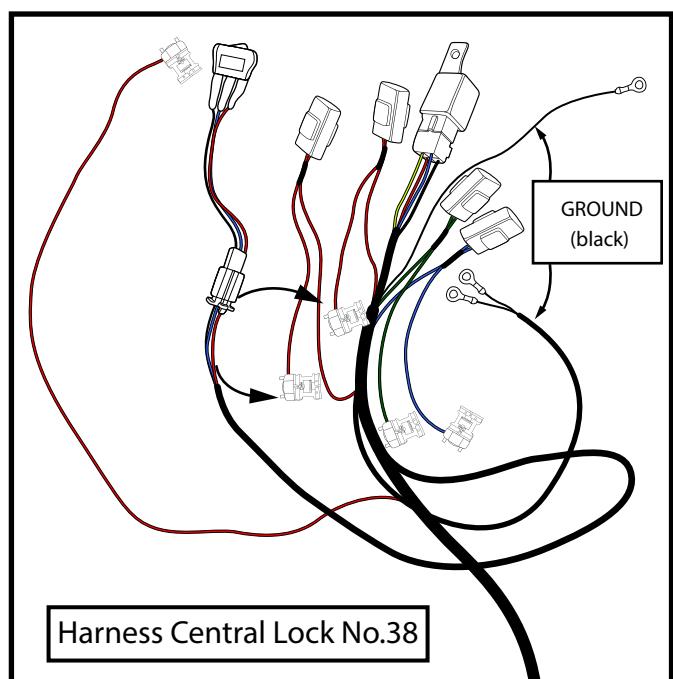
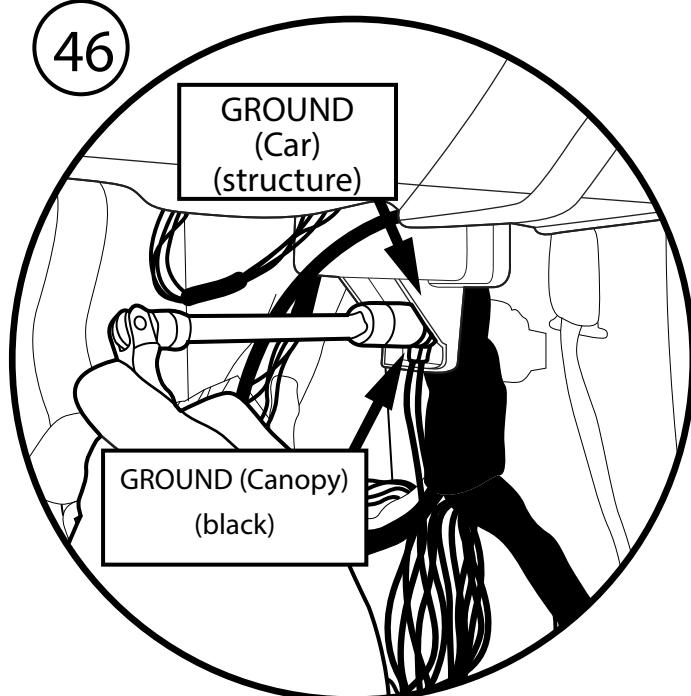


45

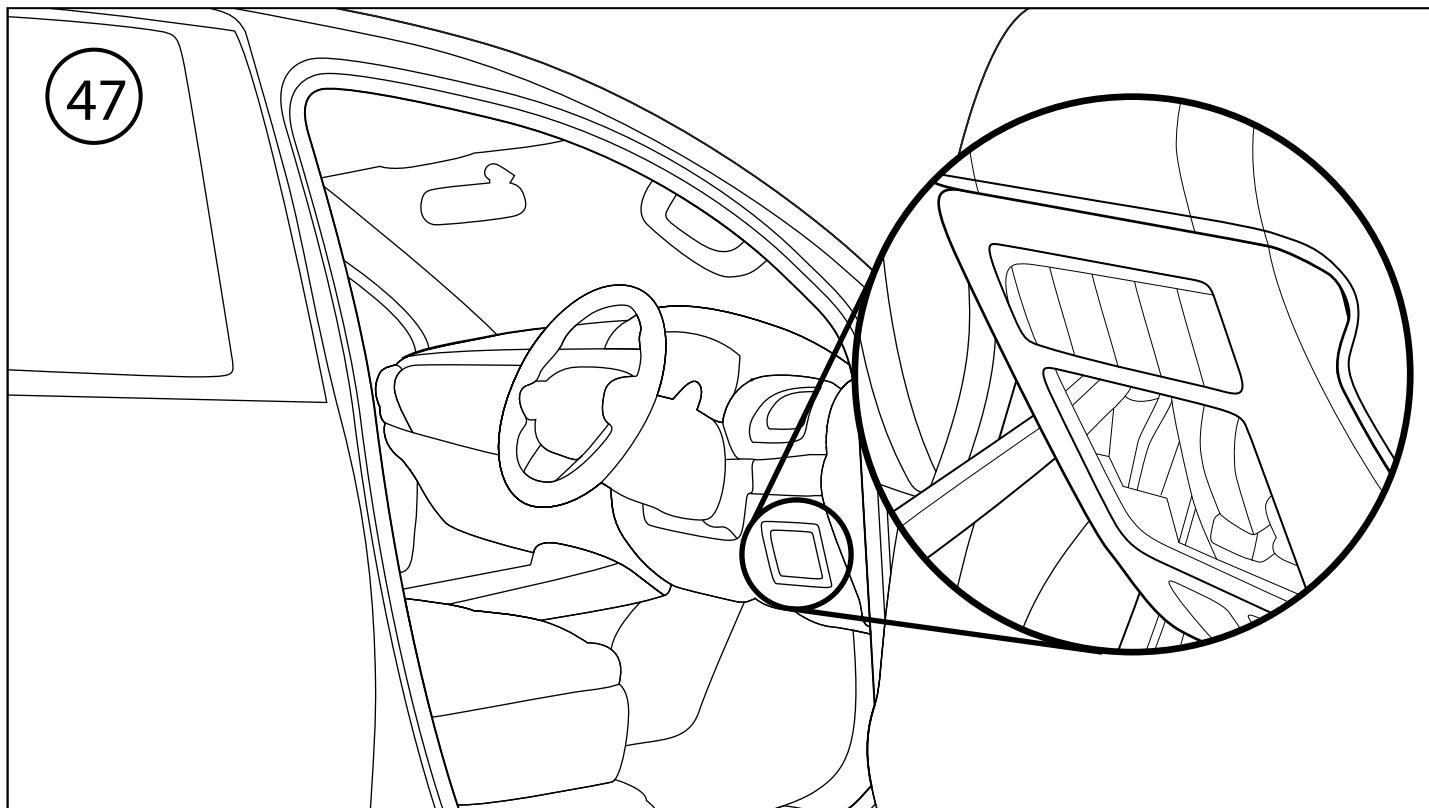


Connecting the Black Wiring (Ground) at the vehicle structure positon of the Harness Central Lock No.38.

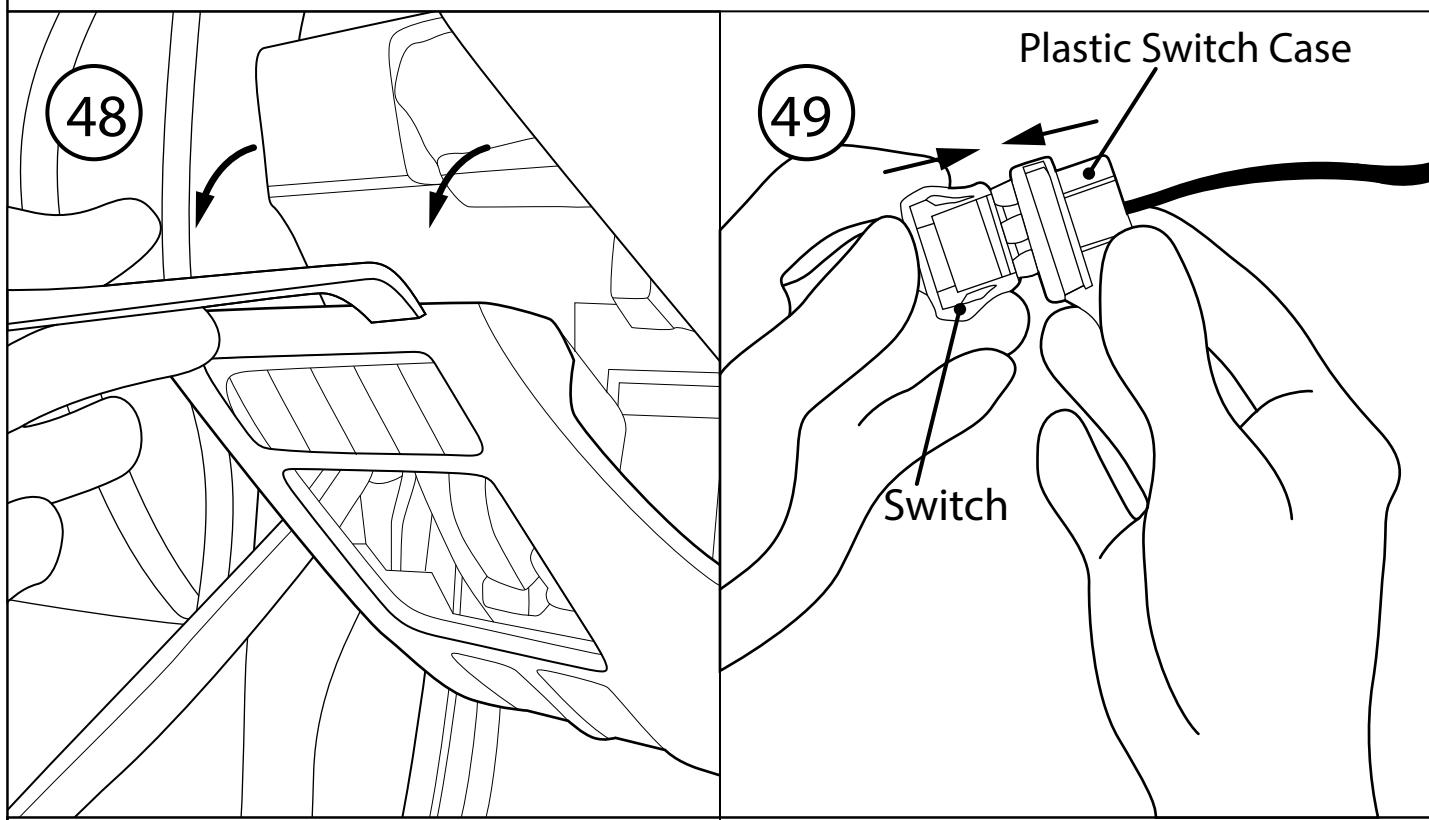
46



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

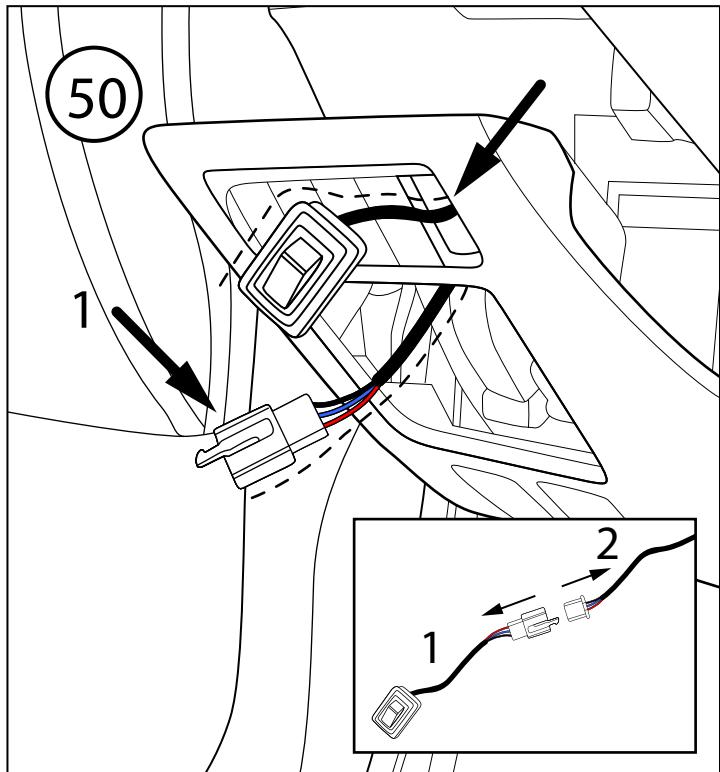


The position of Defogger Switch installation of the  
Harness Central Lock No.38.

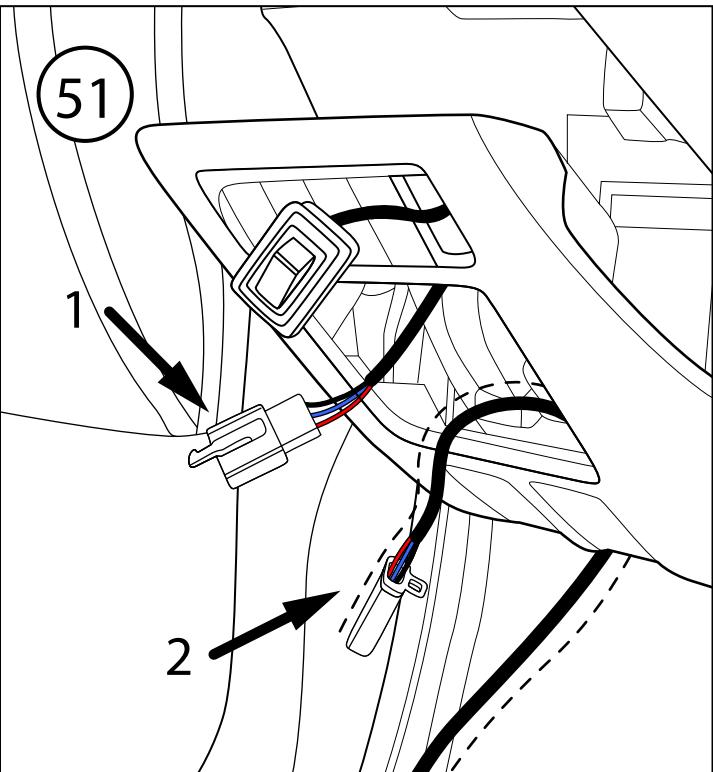


Take off the vehicle switch cover by  
using plastic tools.

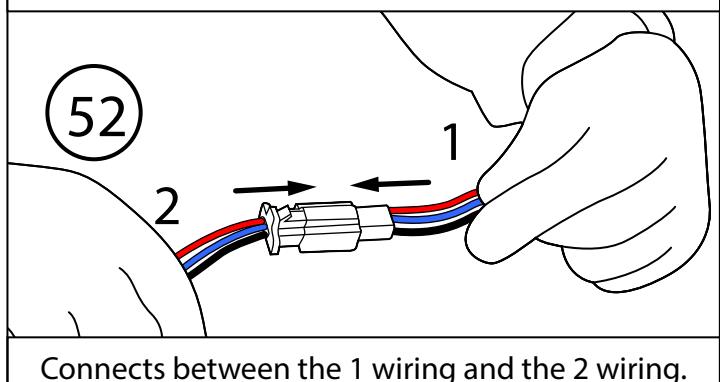
Assemble the Switch Cover with the  
Harness Central Lock No.38 Wiring Switch.



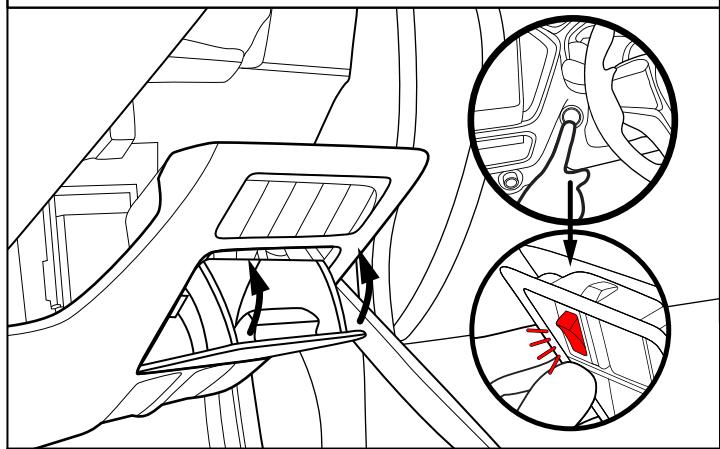
Running the Switch Wiring of the Harness Central Lock No.38 through the Switch Cover pipe of the vehicle.



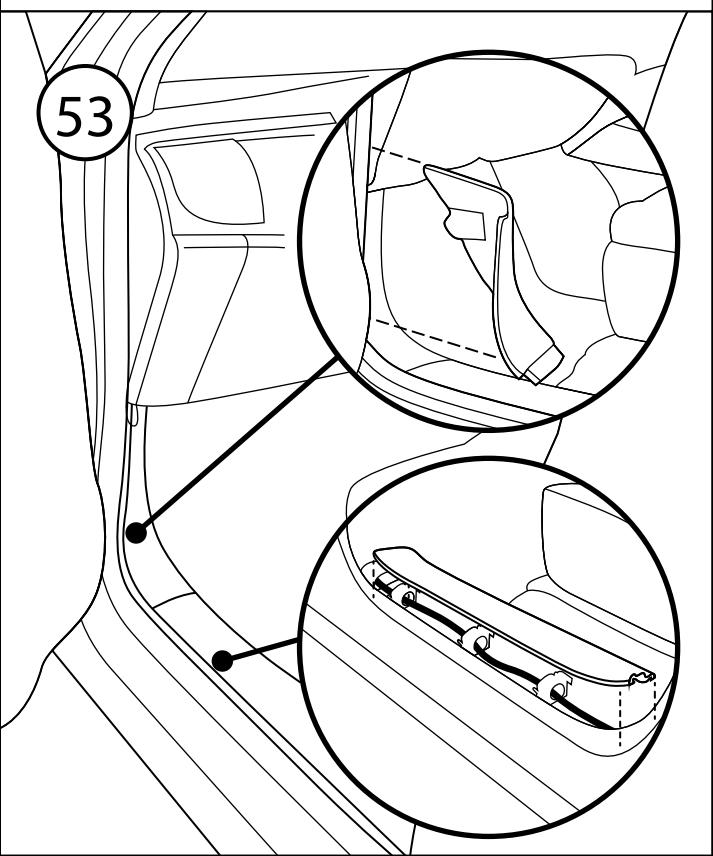
After finish the installation step no.47 then run the 2 wiring via the switch cover pipe under the console.



Connects between the 1 wiring and the 2 wiring.



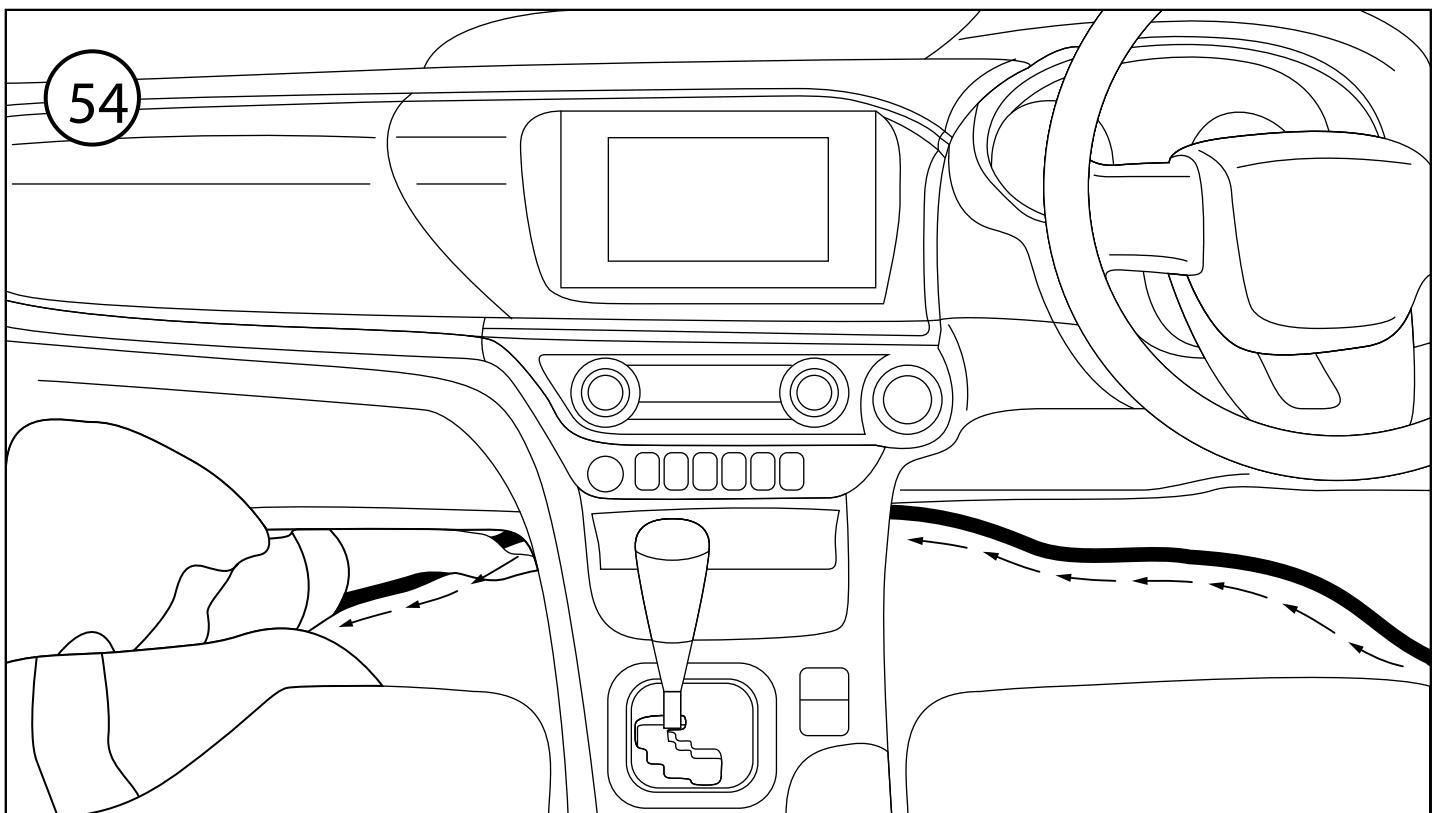
Close the cover. After that, check the working process by turn on and push the switch. The light must be on.



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

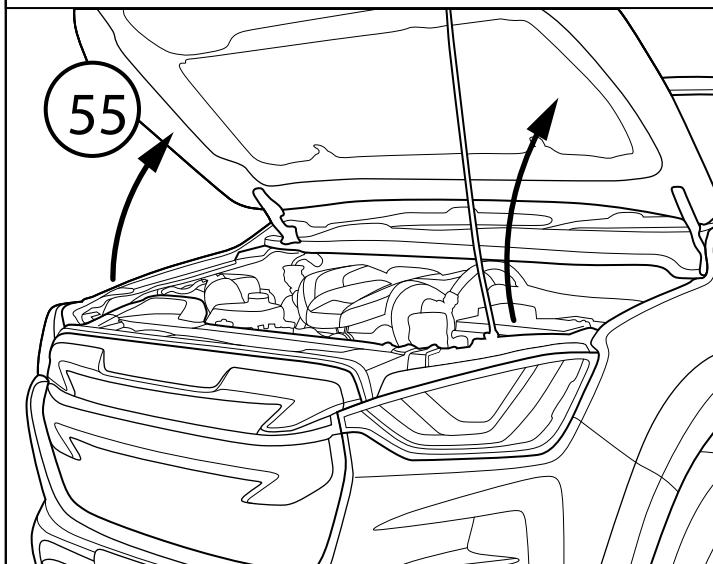


54



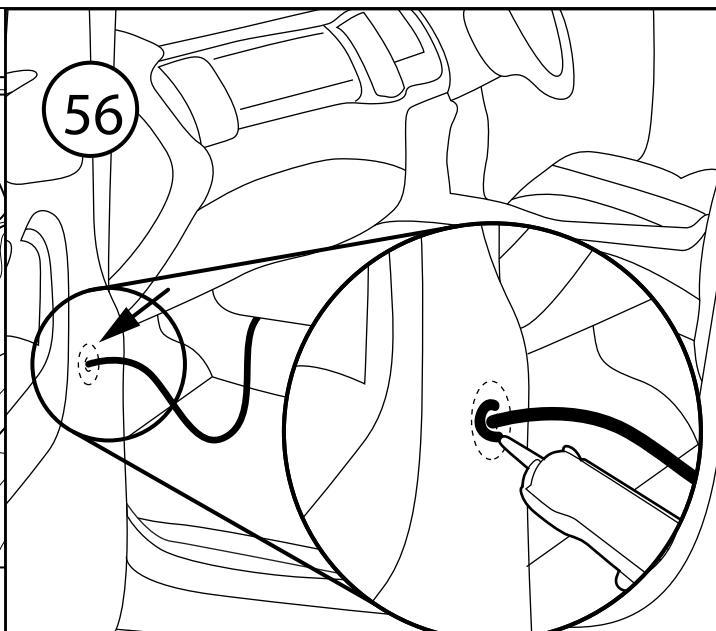
Running the wiring from the driver side through the passenger side as shown in picture.

55

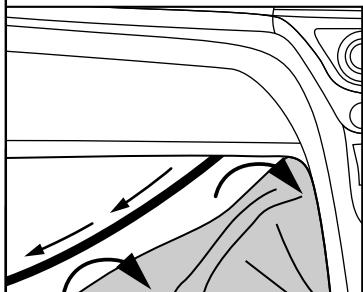


Open the bonnet of car

56



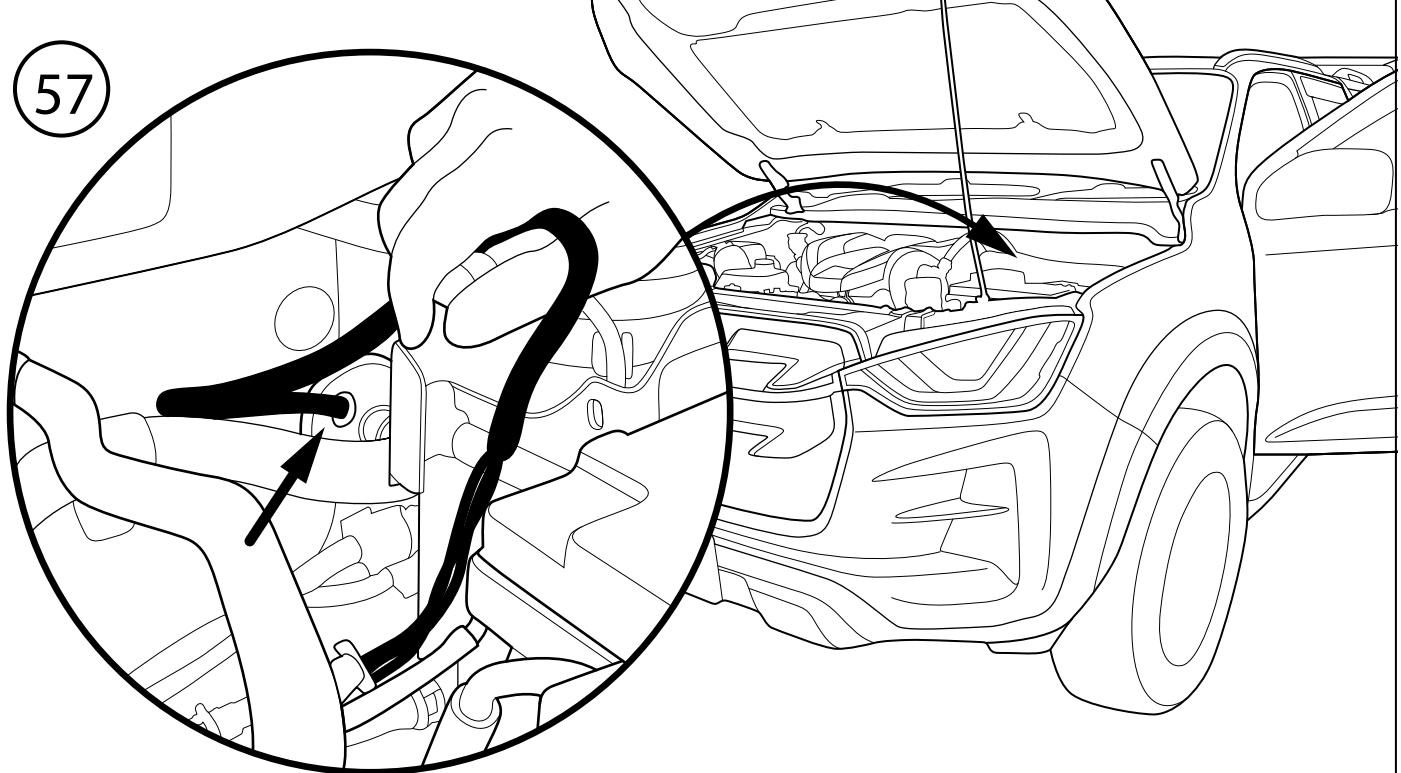
Take off the vehicle rubber pad in order to keep/hide the wiring.



Run the Harness Central Lock No.38 wiring at passenger position and silicone seal for waterproof.

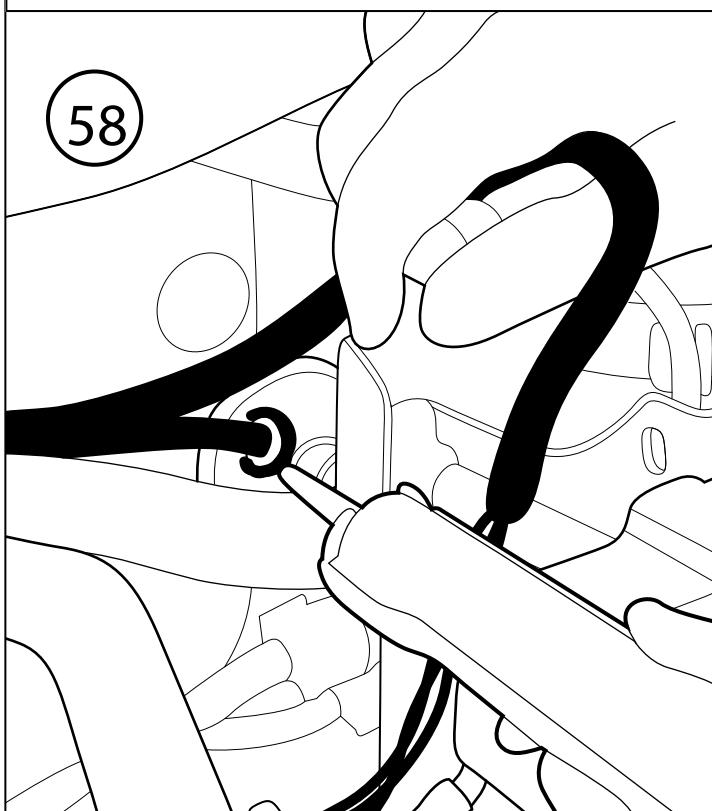


57

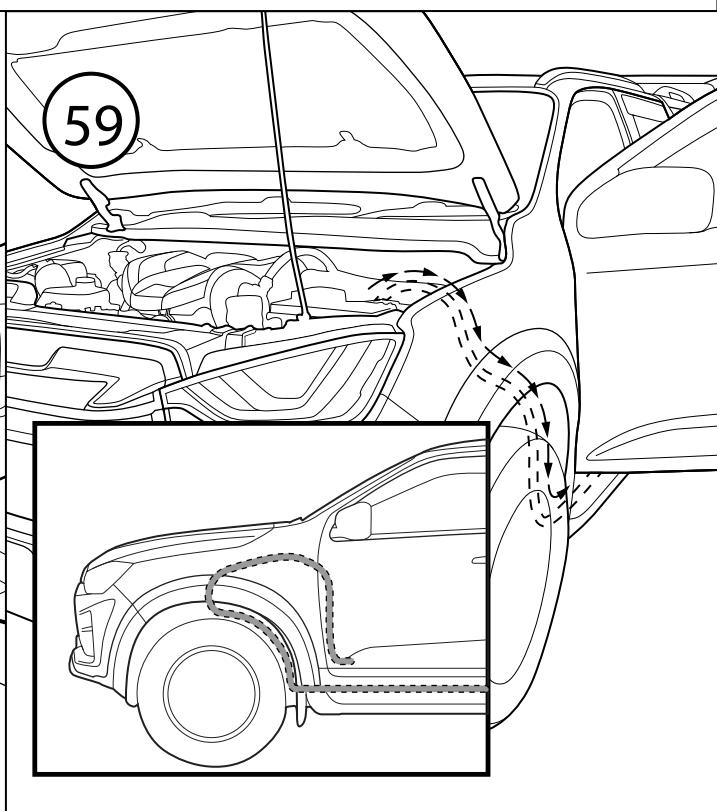


The Step of Harness Central Lock No.38 wiring running picture for the Isuzu D-Max 2024.

58



59



Silicone seal the wiring hole process.

Run the Harness Central Lock No.38 wiring follow the line dot as shown in picture.



## 60 The Step of wiring running diagram

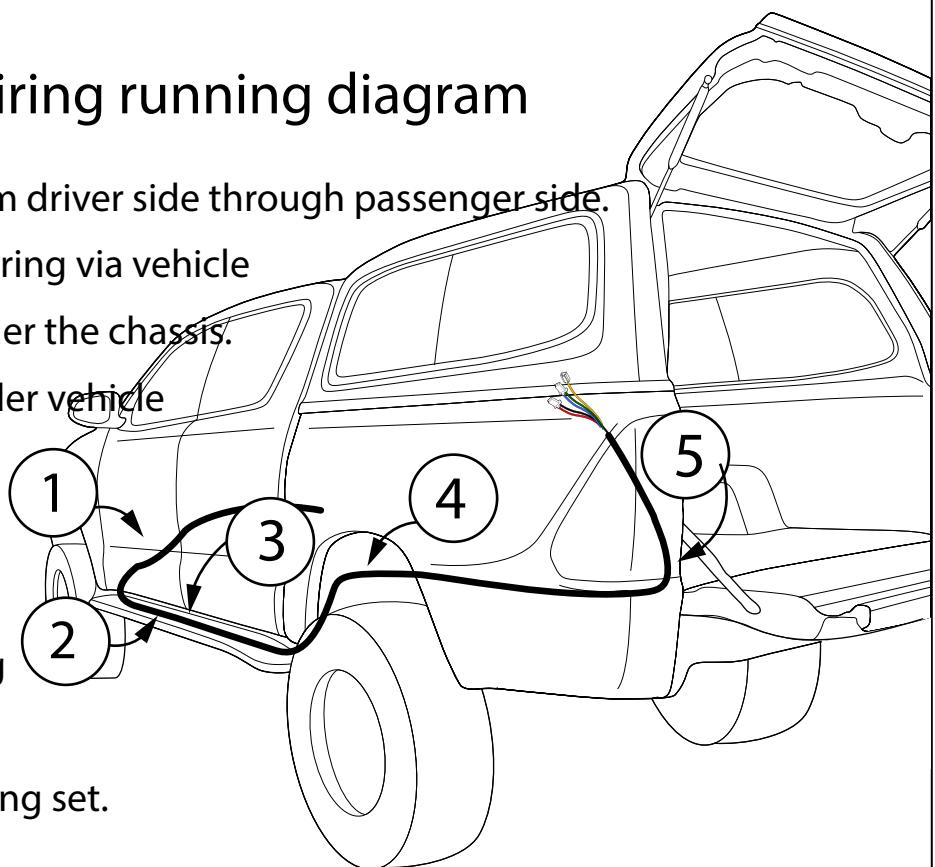
Point 1 Wiring running from driver side through passenger side.

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

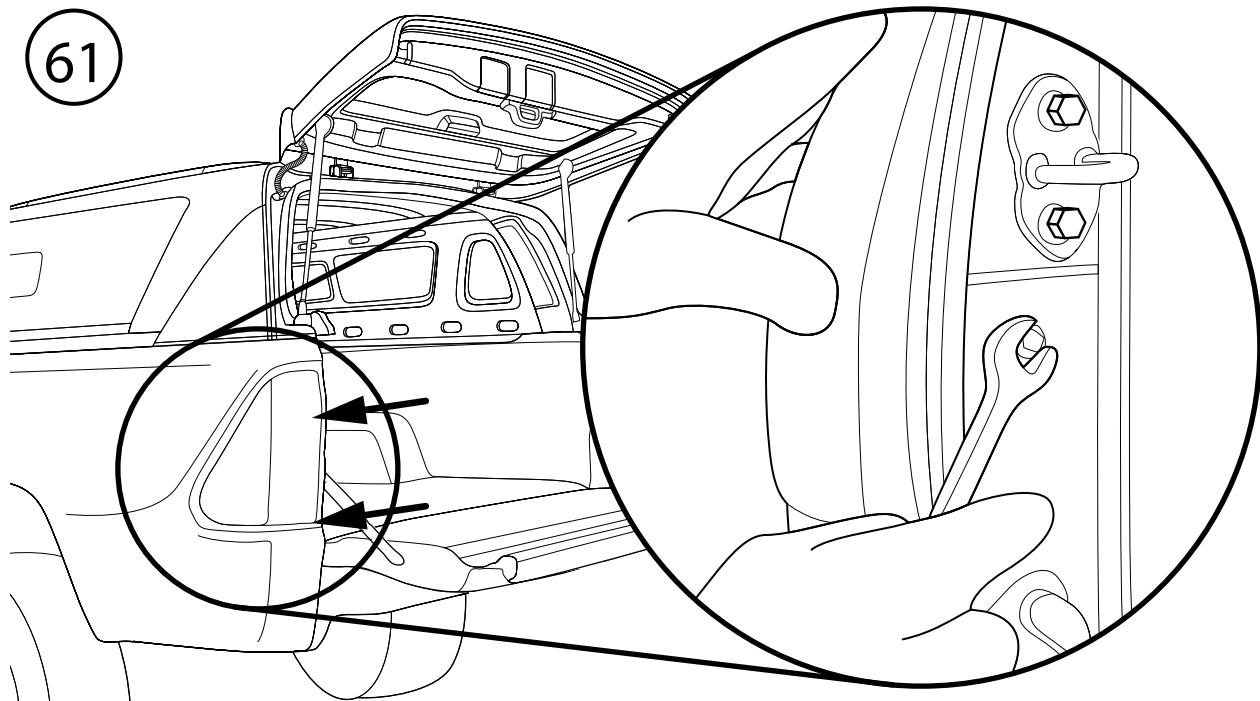
Point 3 Wiring that run under vehicle  
along the chassis.

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.



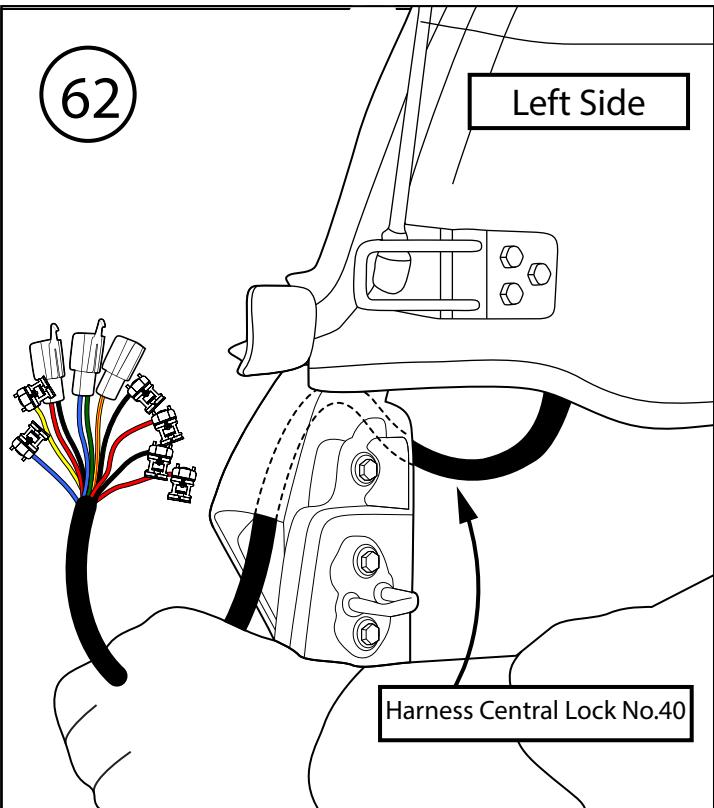
## 61



Take off the Rear Light by using wrench No.10

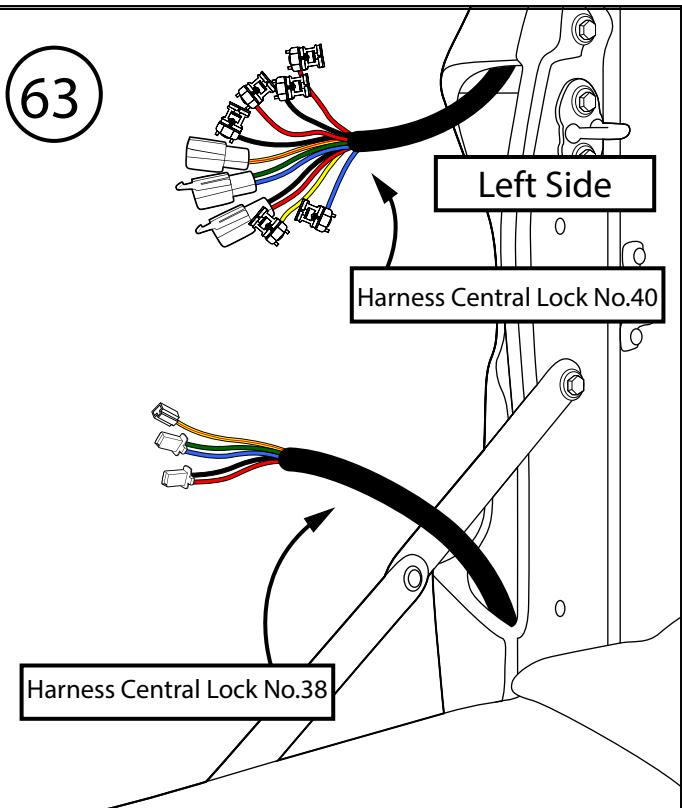


62



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

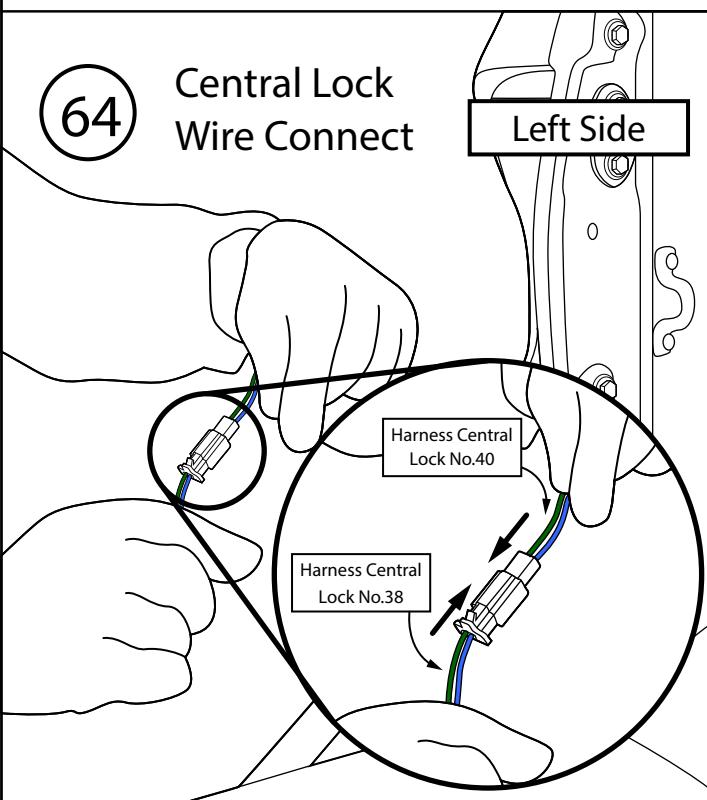
63



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

64

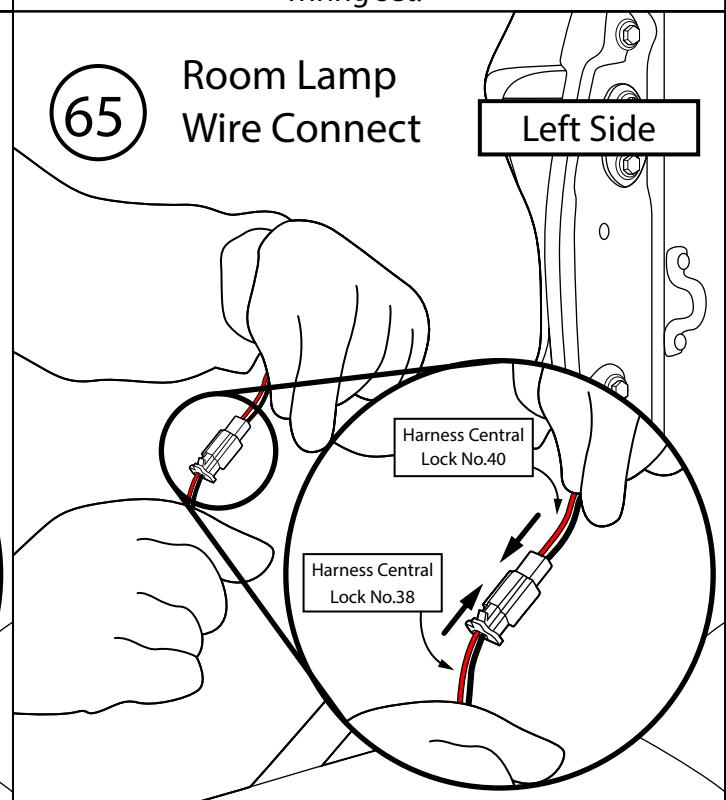
Central Lock  
Wire Connect



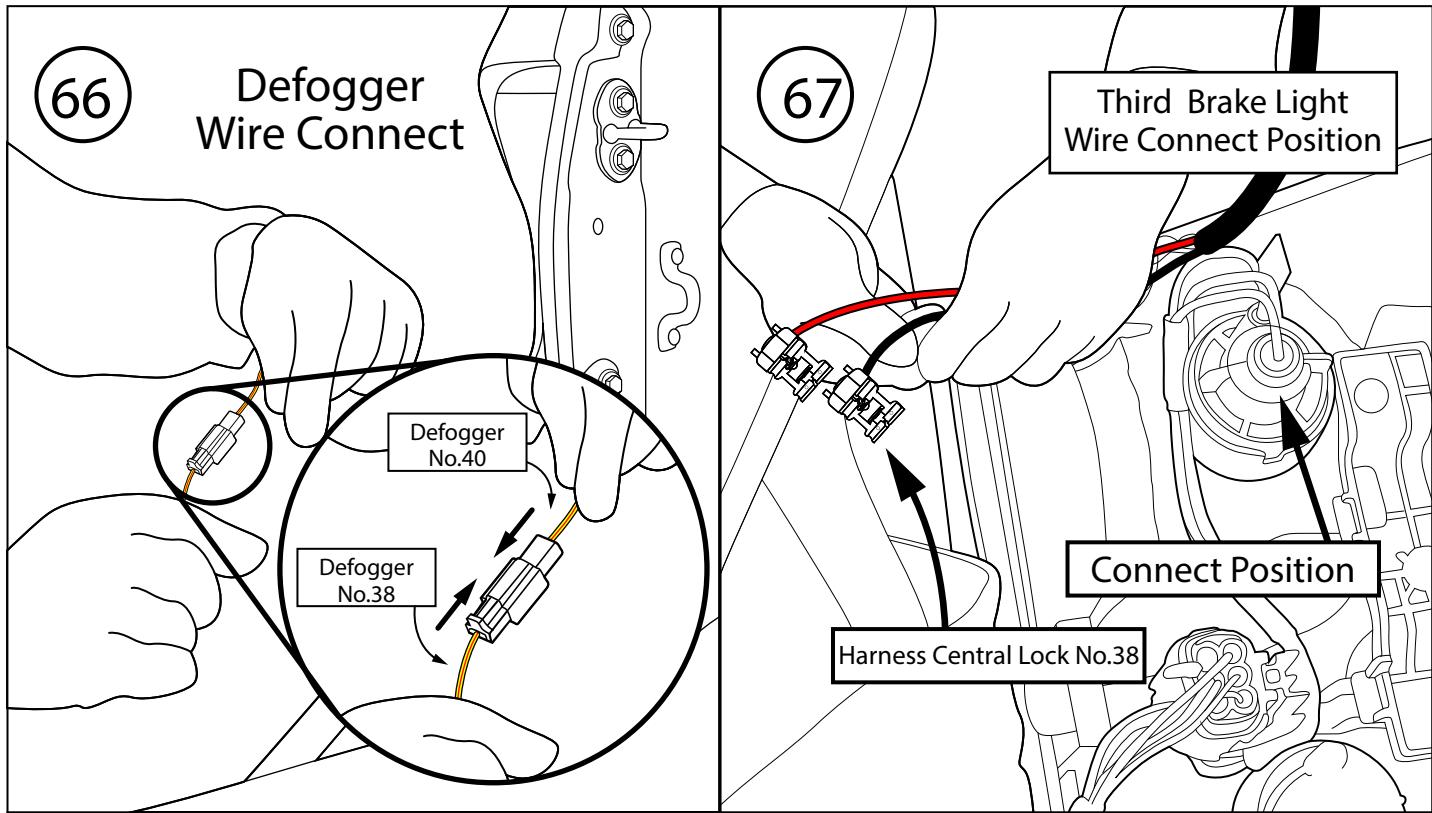
The process of connecting the Central Lock (BL,DG) wiring of the Harness Central Lock No.40 with the Central Lock (BL,DG) wiring of the Harness Central Lock No.38.

65

Room Lamp  
Wire Connect

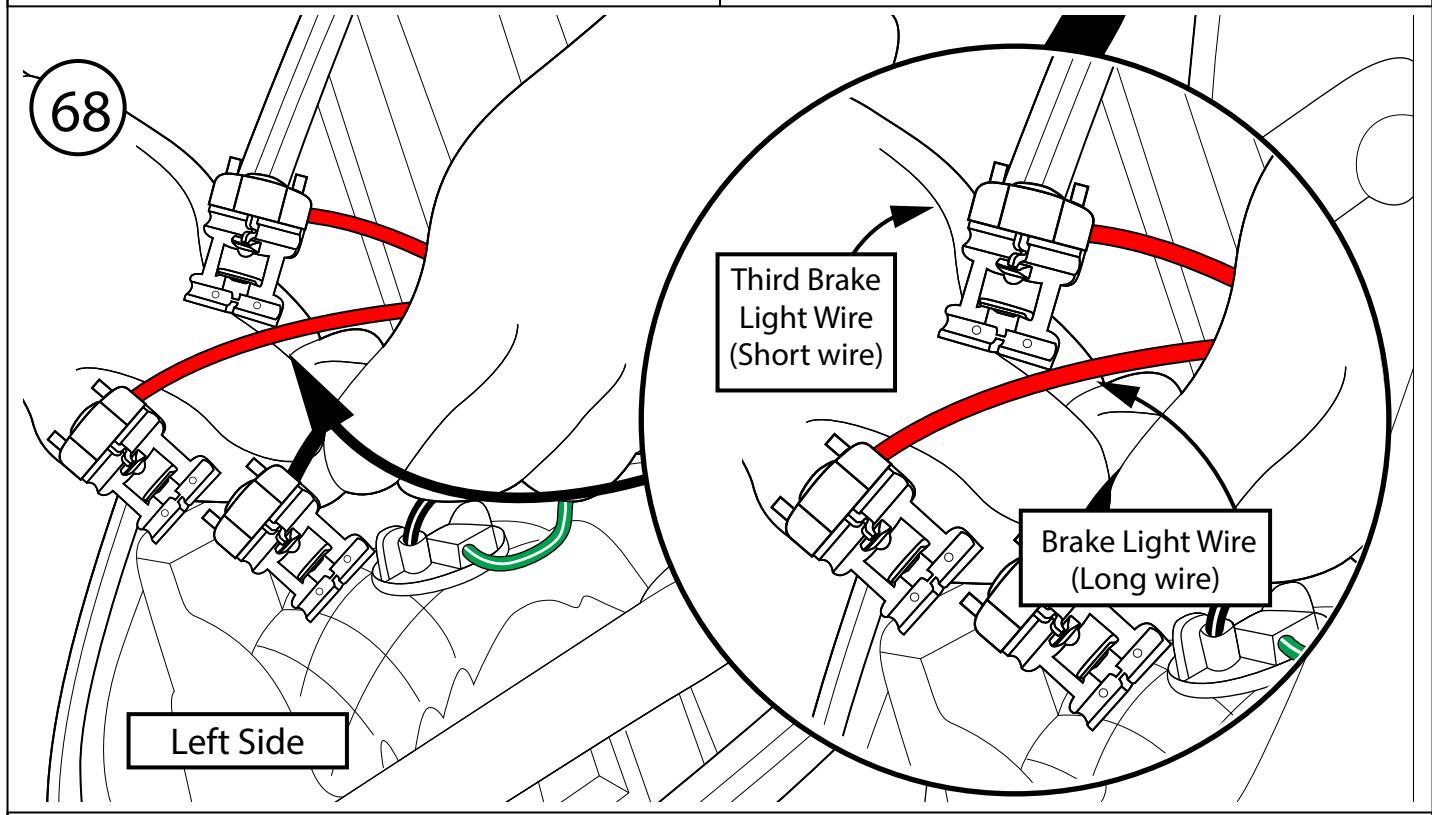


The process of connecting the Room Lamp (RD,BK) wiring of the Harness Central Lock No.40 with the Room Lamp (RD,BK) wiring of the Harness Central Lock No.38.

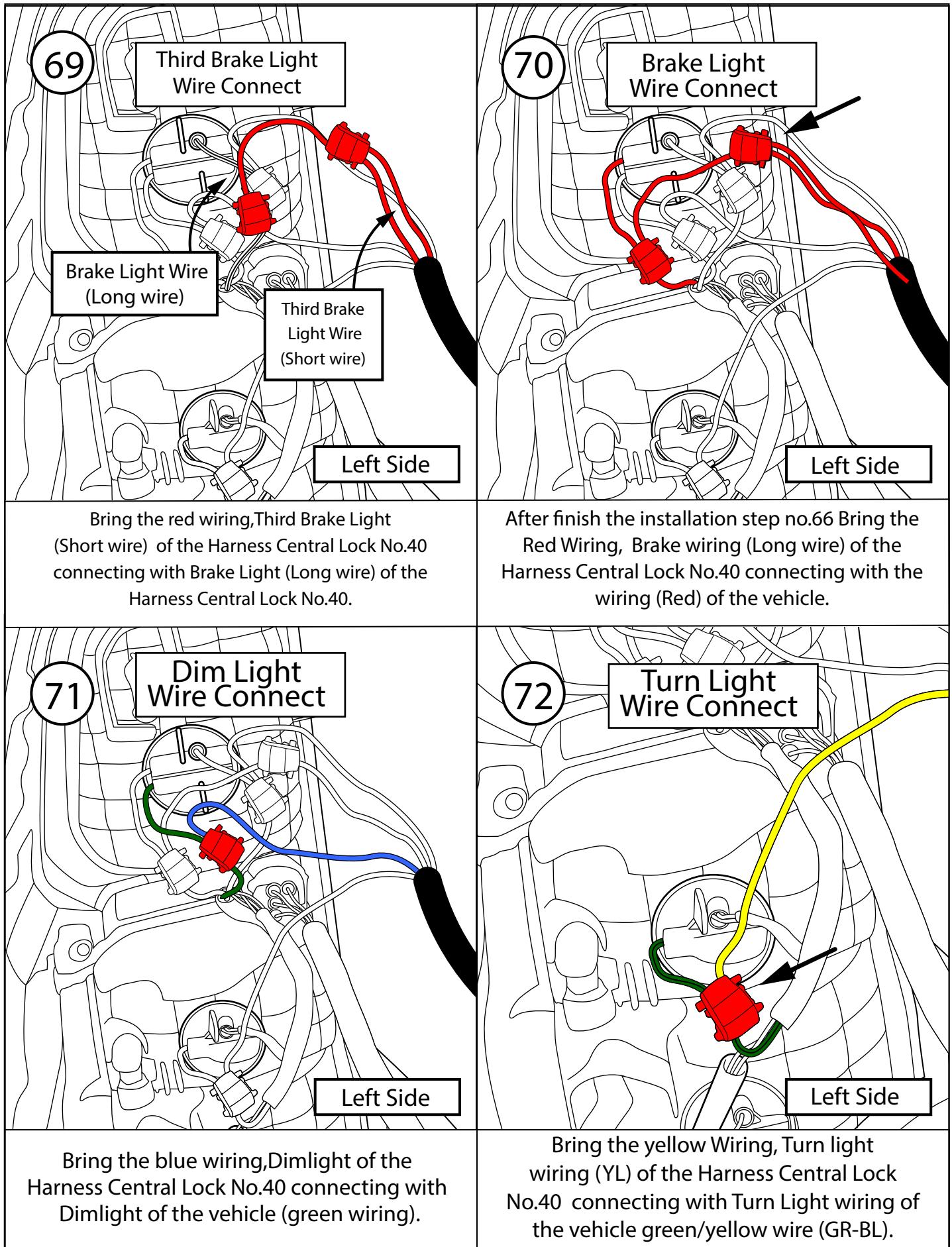


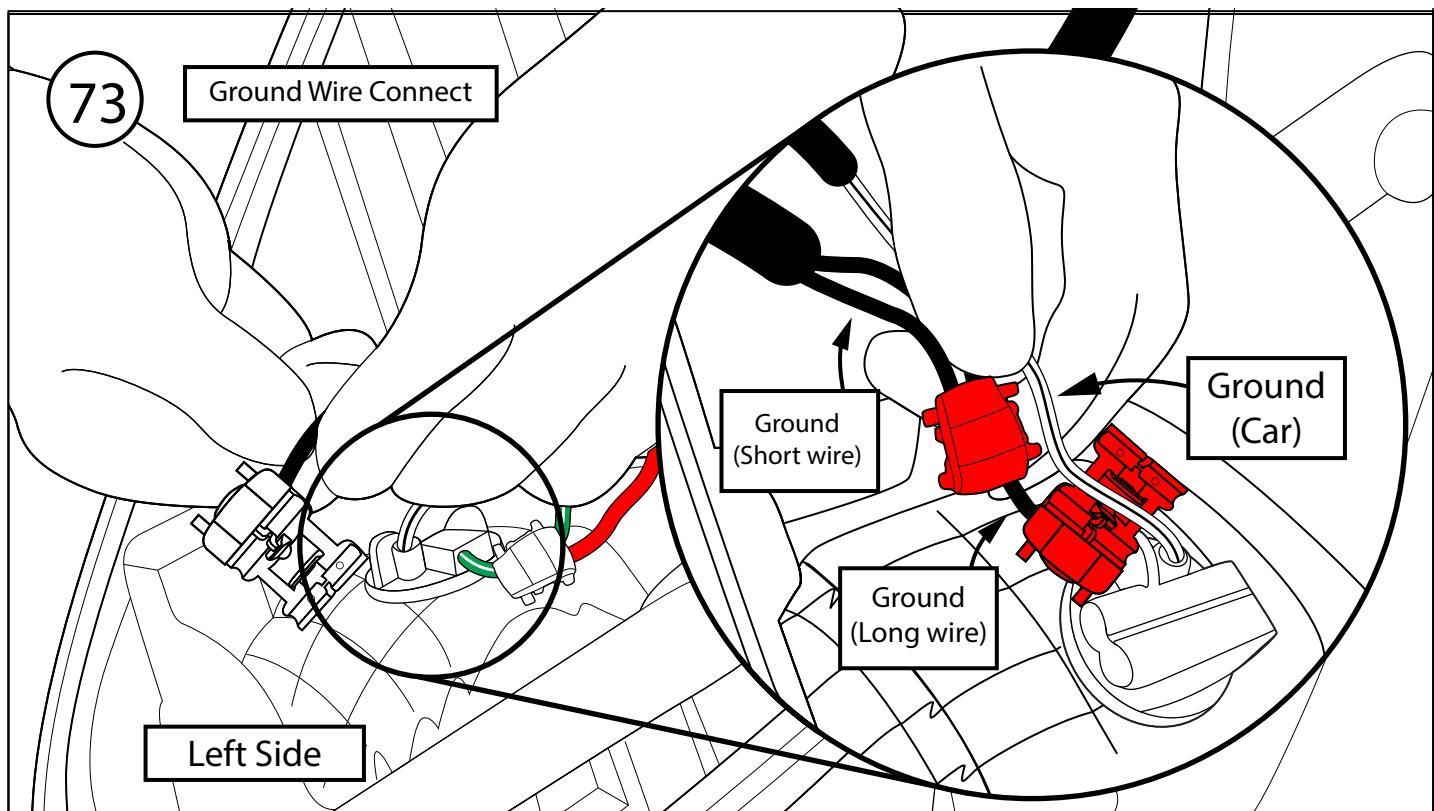
The step of connecting the Defogger (YL/RD) wiring of the Harness Central Lock No.40 with the Defogger (YL/RD) wiring of the Harness Central Lock No.38.

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

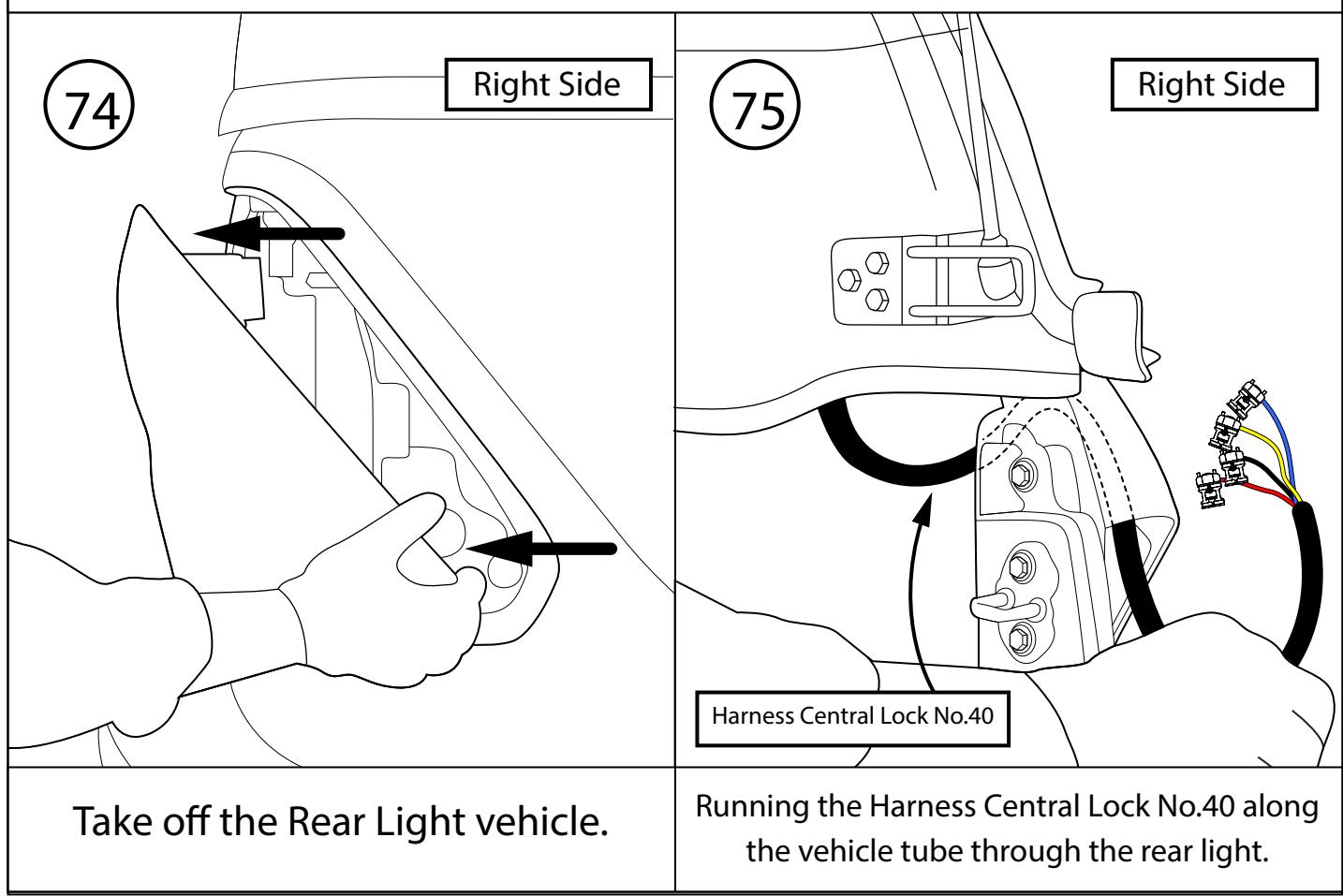


Third Brake Wiring (Short wire, Red wire) of the Harness Central Lock No.40 and Brake Light (Long wire, Red wire) of the Harness Central Lock No.40





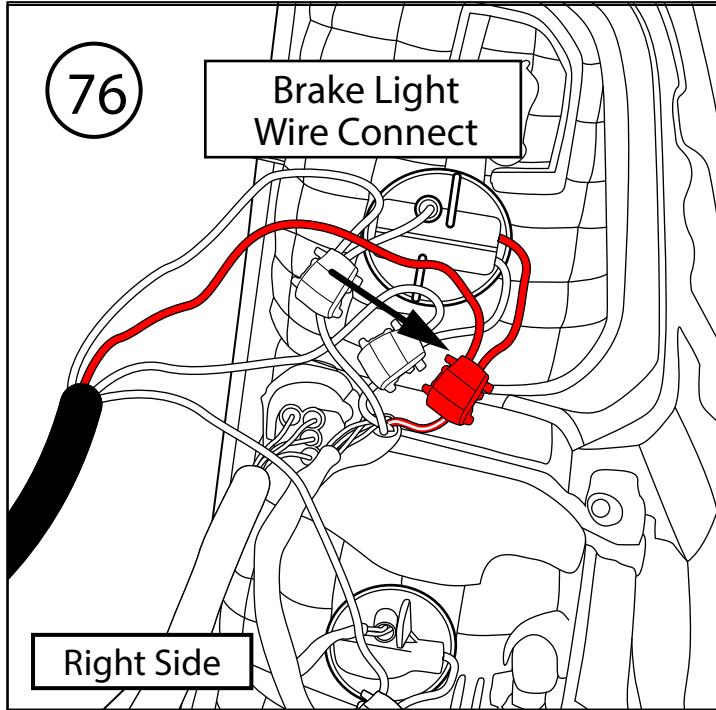
Bring the Black Wiring, GROUND (Short wire) and GROUND (Long wire) of the Harness Central Lock No.40 connecting with the White/Black (WH/BK) Ground wiring of the vehicle rear light.





76

Brake Light  
Wire Connect

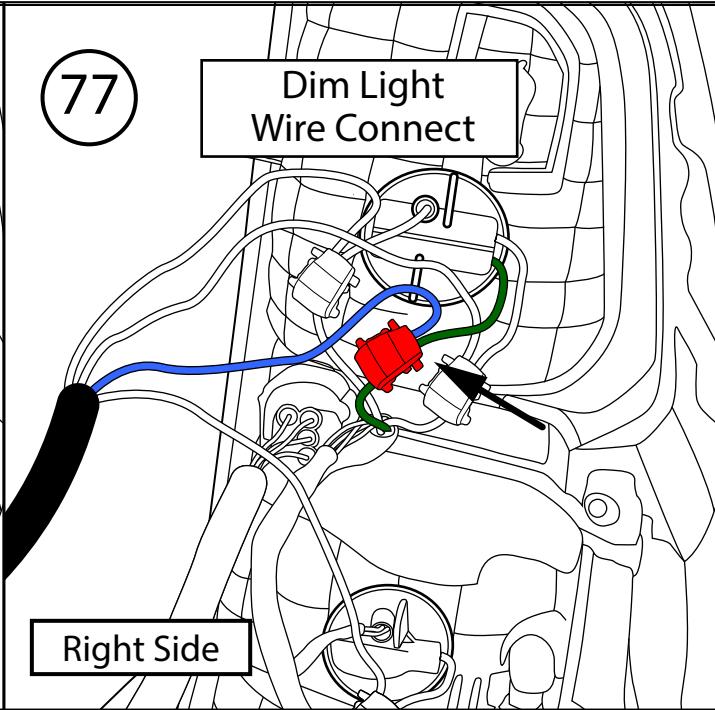


Right Side

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

77

Dim Light  
Wire Connect

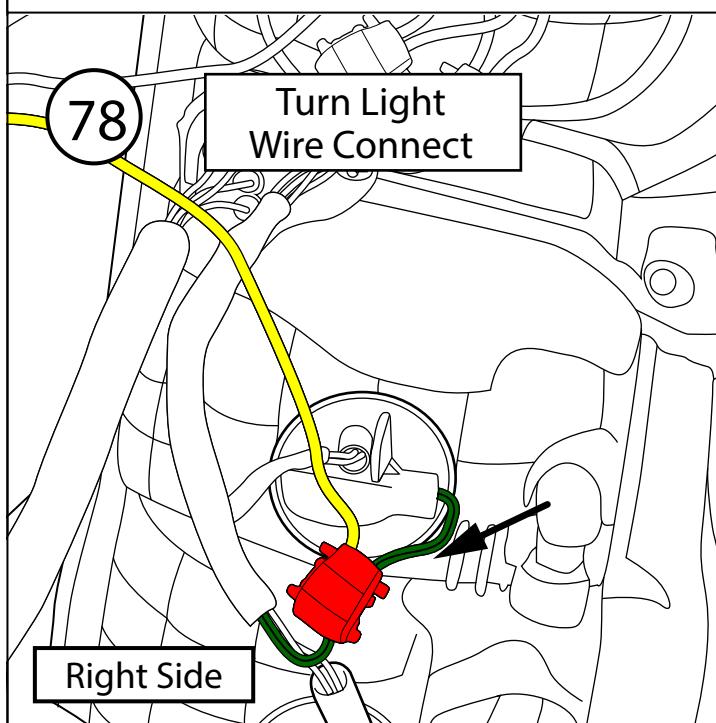


Right Side

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

78

Turn Light  
Wire Connect

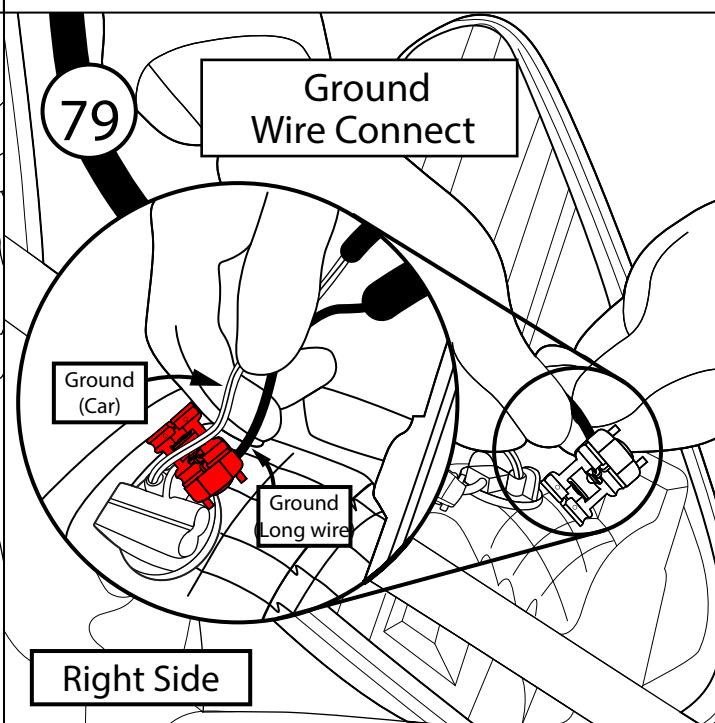


Right Side

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

79

Ground  
Wire Connect

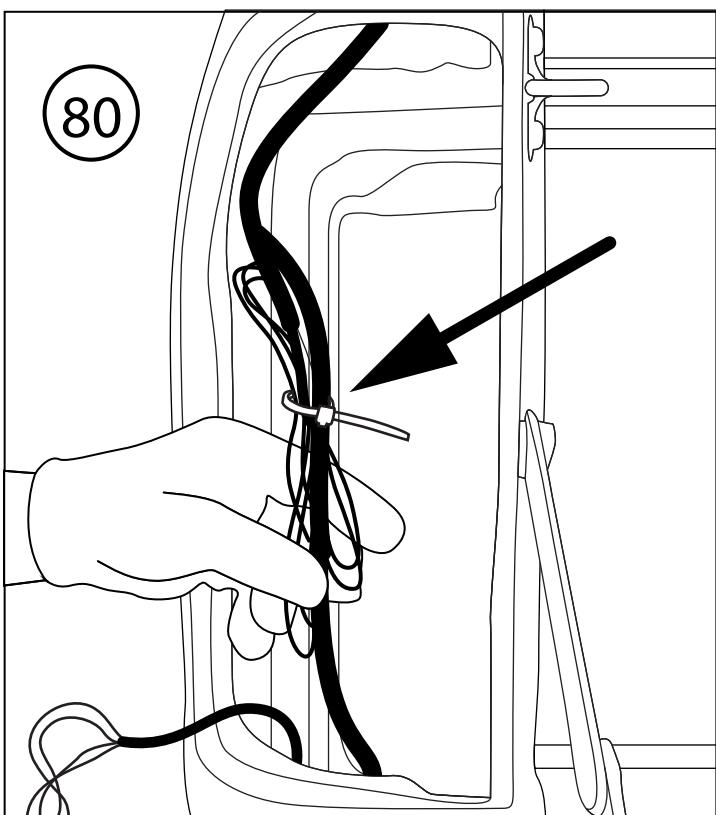


Right Side

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.

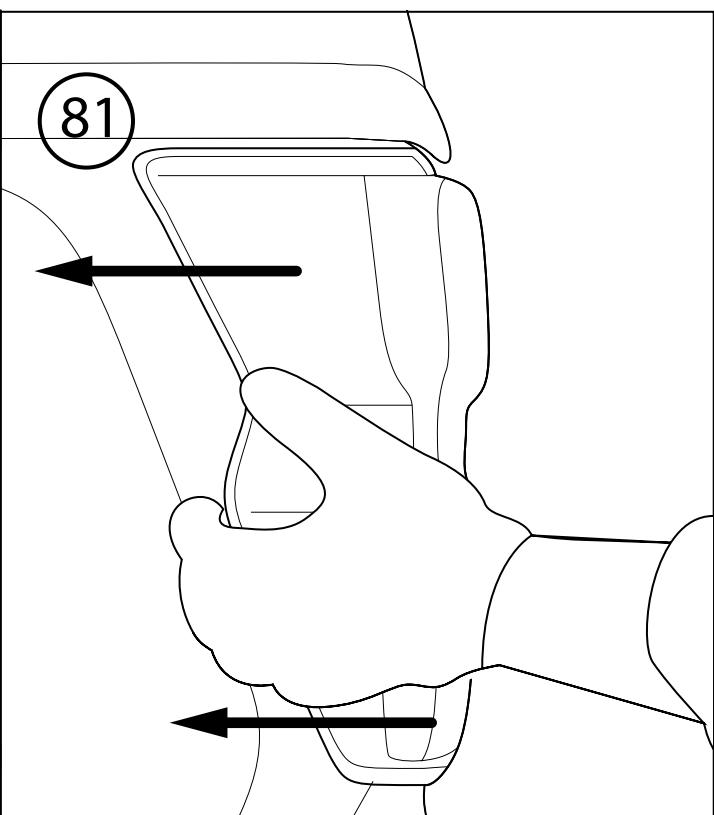


80



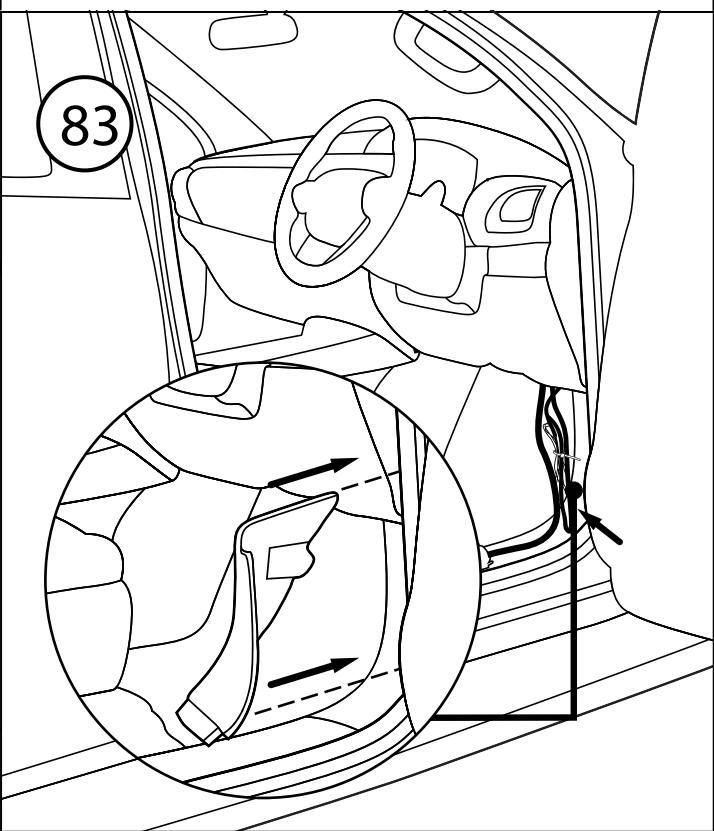
Tight up all the wiring by using  
the Cable Tie

81



Reassemble the vehicle rear light.

82



83

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



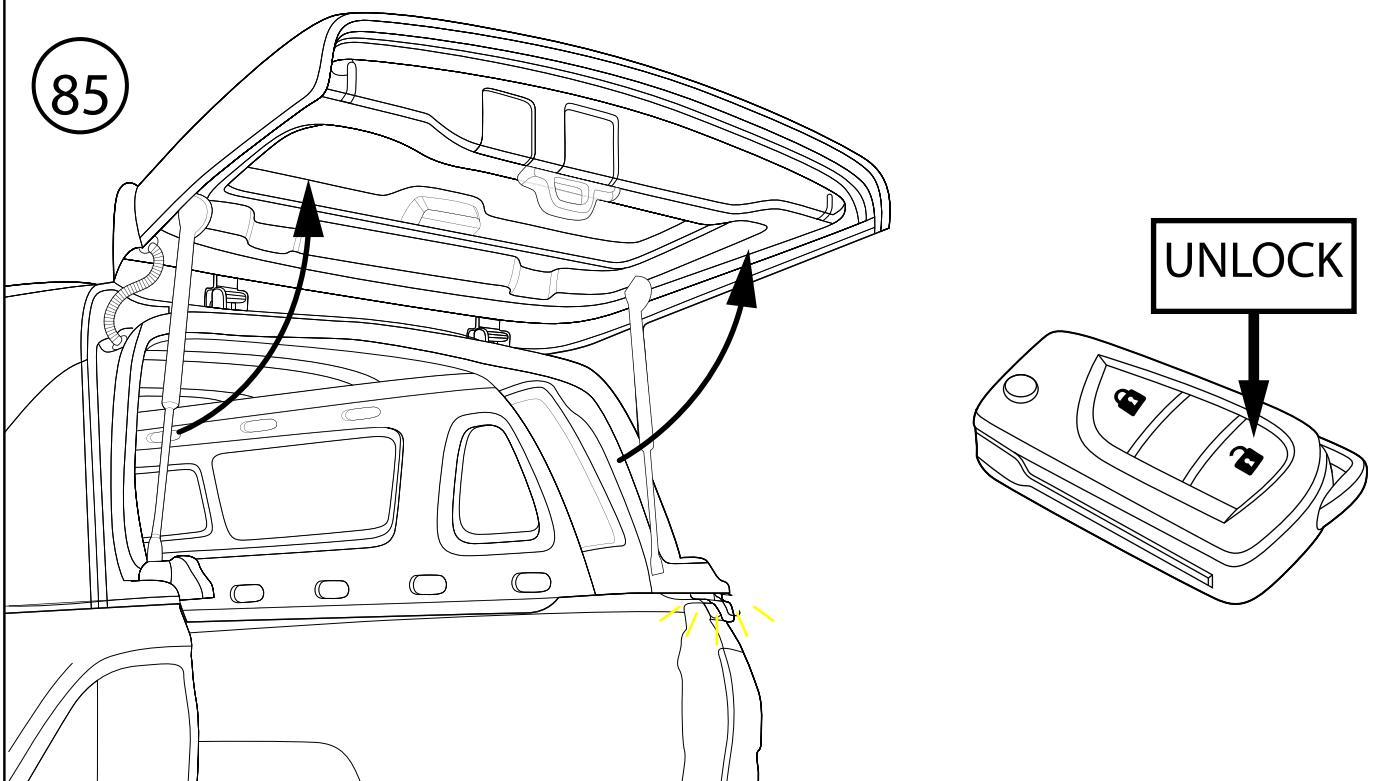
84

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.

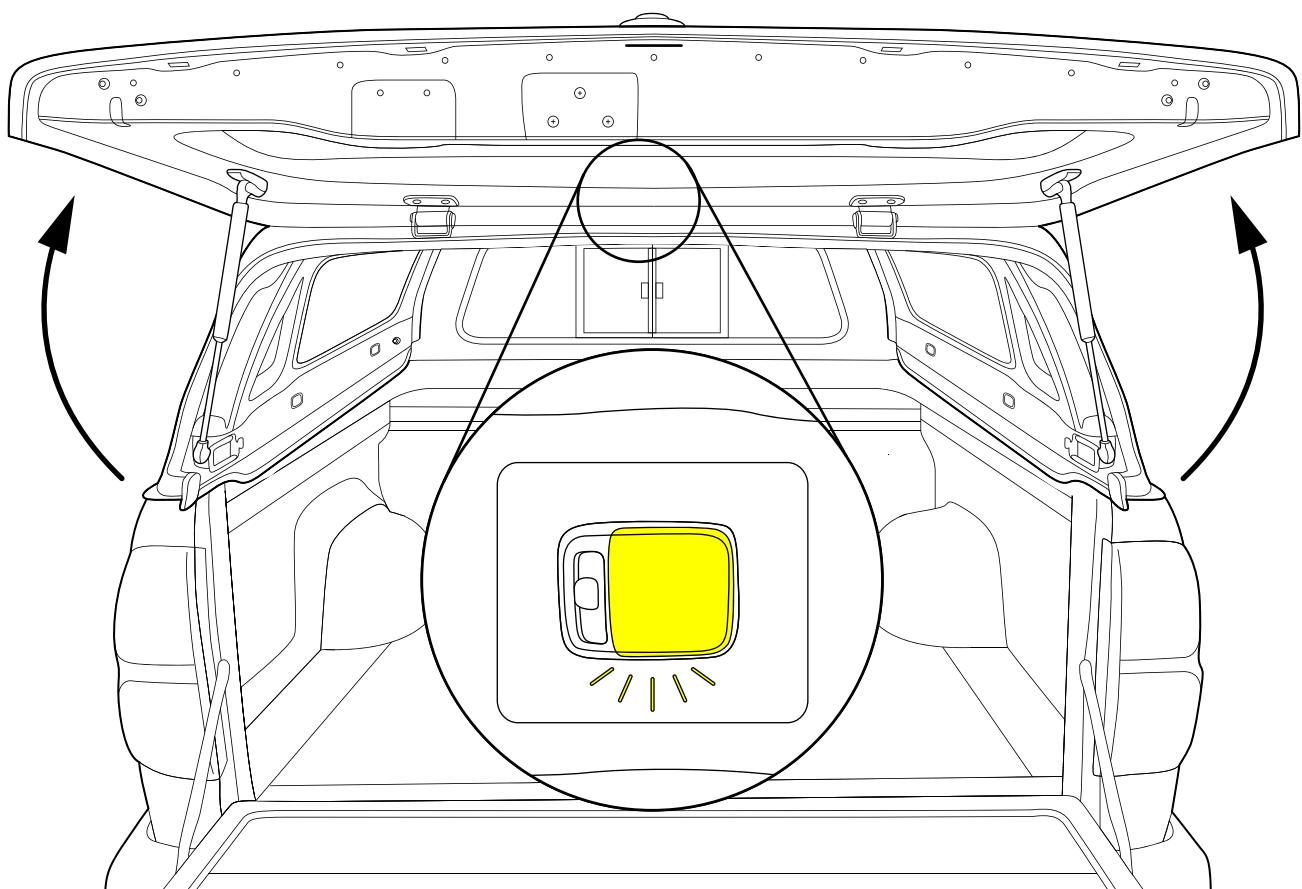
85



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



86



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



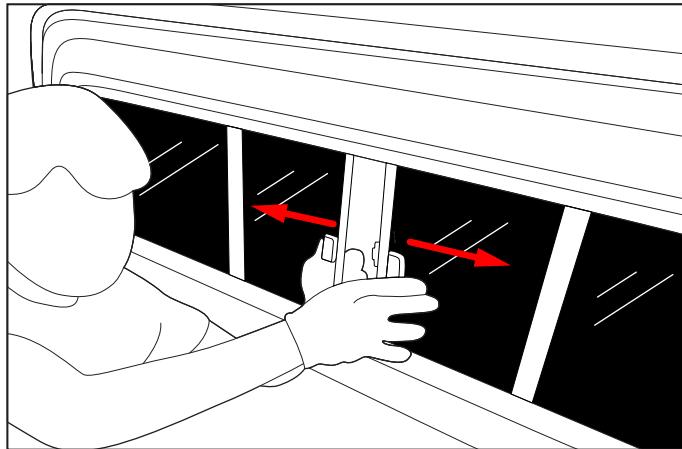
**SAMMITR**

**Opening Function of  
all canopy model**



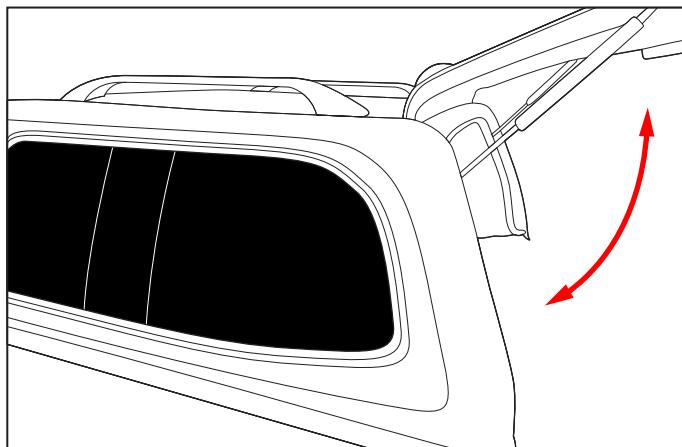
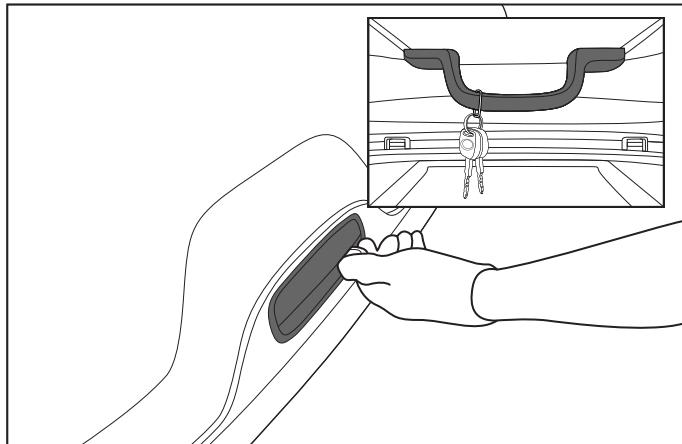
# SAMMITR

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

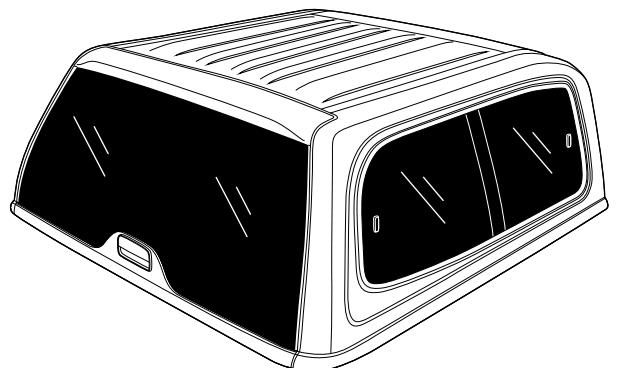


Use the key is unlock function will be the same for all model, V2, V4 and TL1.

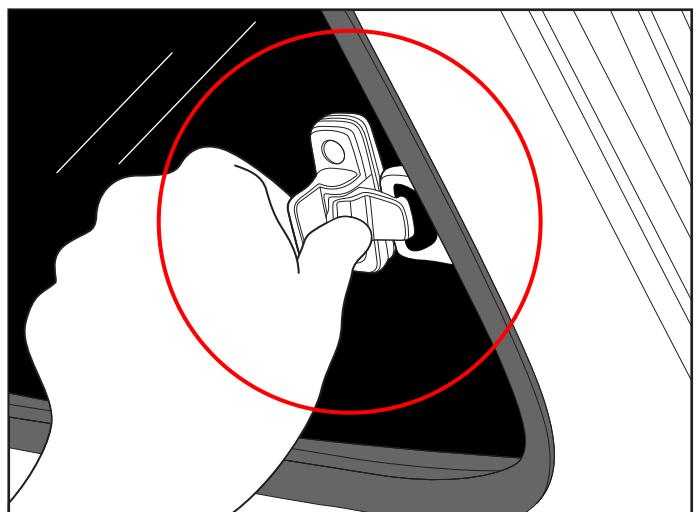
Open the backdoor function are different.



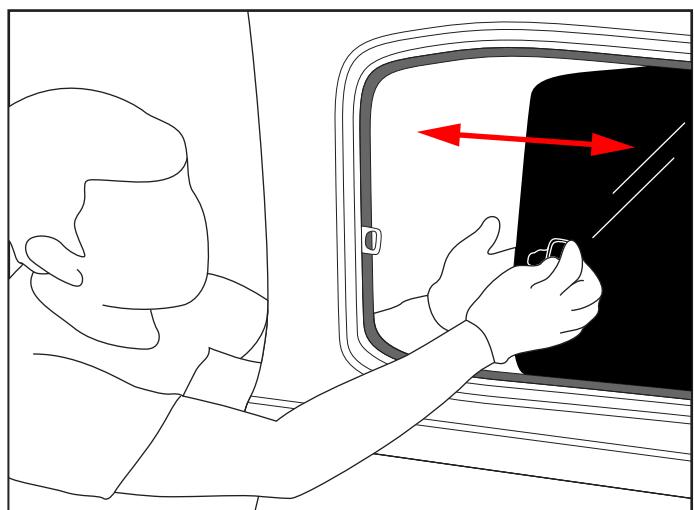
User manual



Slide Window (Left-Right)



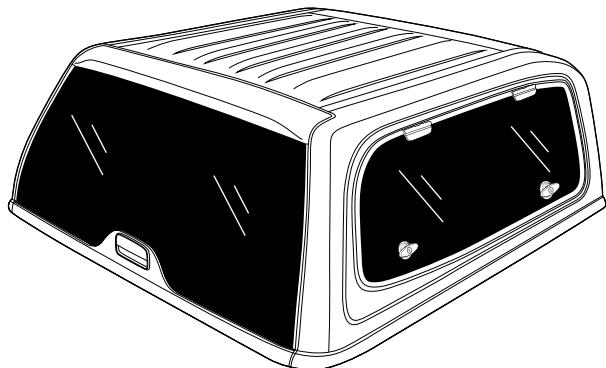
Squeeze the lock side to open.



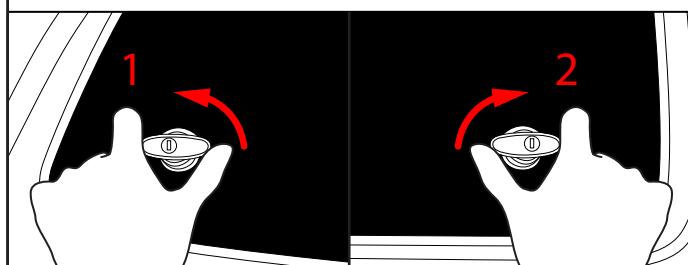
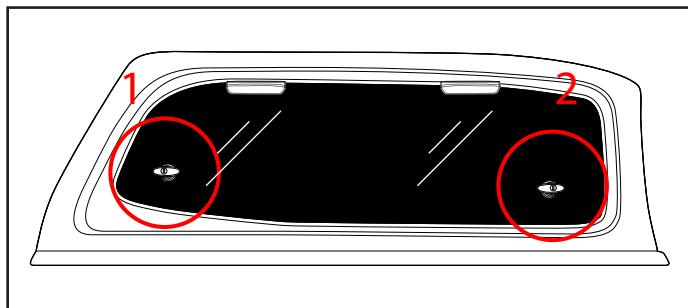
The Picture shows how to open the side window.



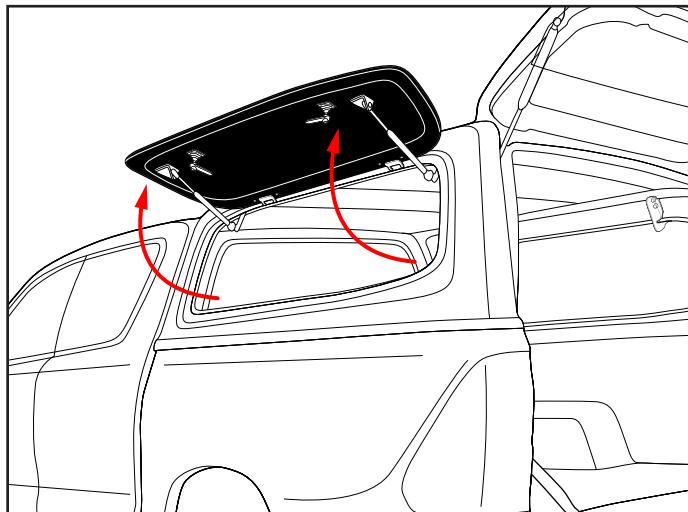
## User manual



Glass Birdwing Window Left-Right  
(Handle Lock)

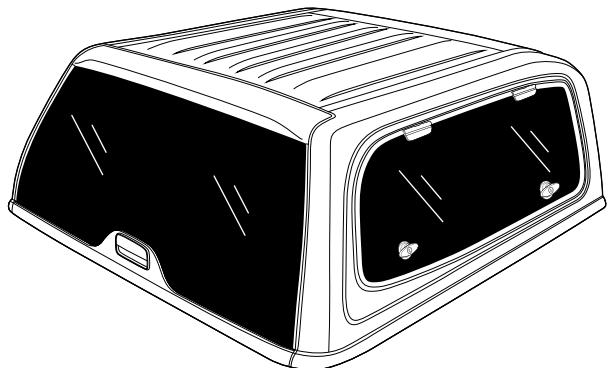


Turn around the canopy lock as shown in picture to open the side window.

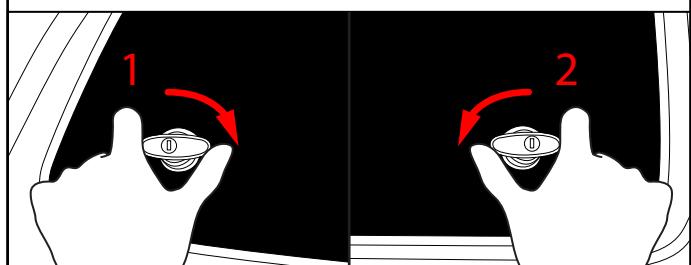
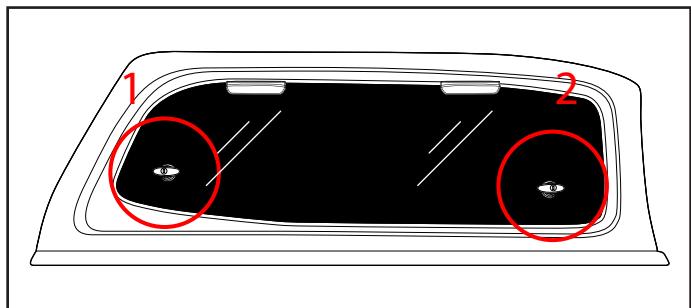


Picture shows how to open the side window.

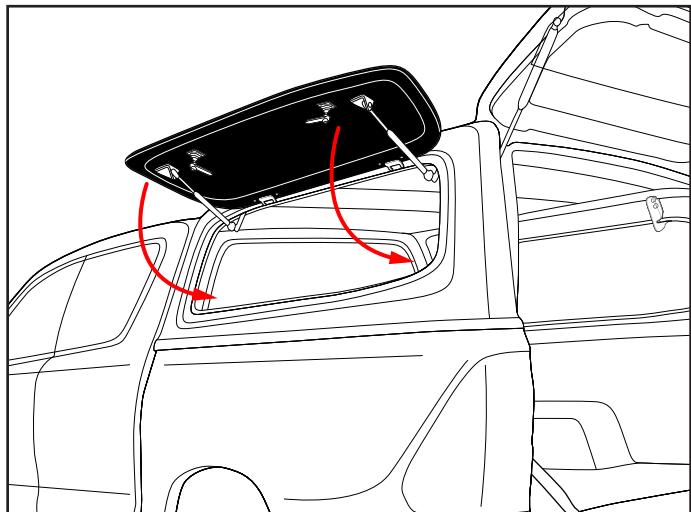
## User manual



Glass Birdwing Window Left-Right  
(Handle Lock)



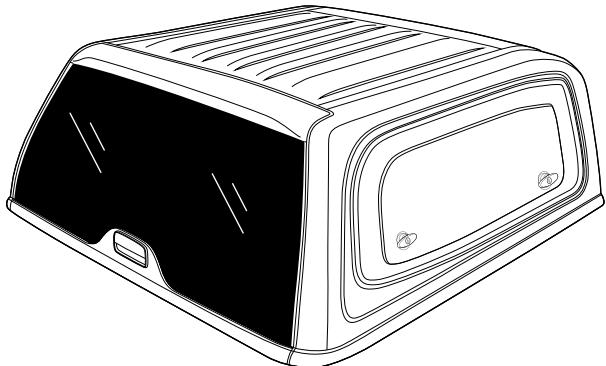
Turn around the canopy lock as shown in picture to close the side window.



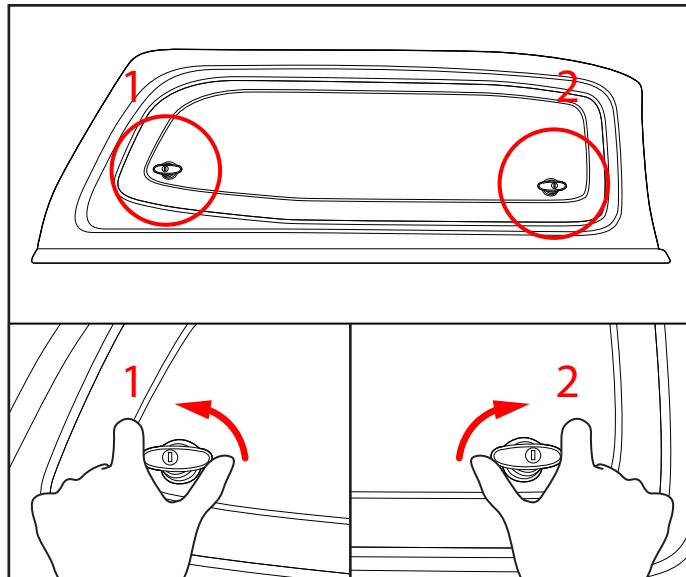
Picture shows how to close the side window.



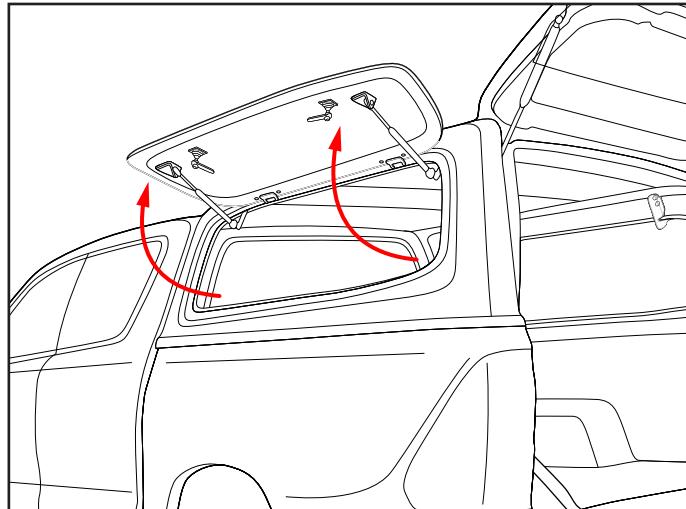
## User manual



Solid Birdwing Window Left-Right  
(Handle Lock)

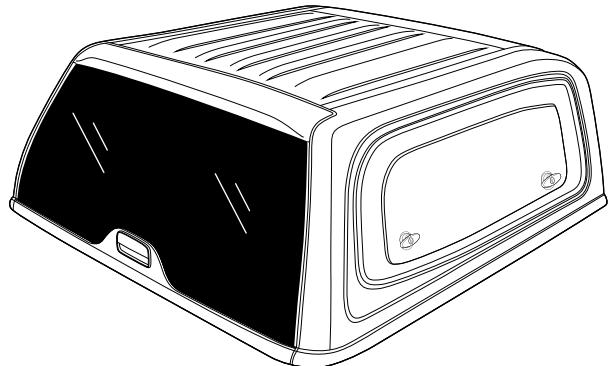


Turn around the canopy lock as shown in picture to open the side window.

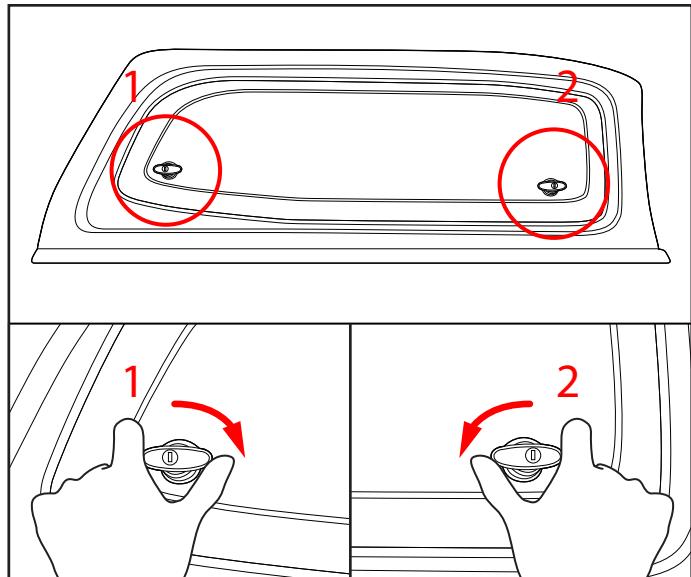


Picture shows how to open the side window.

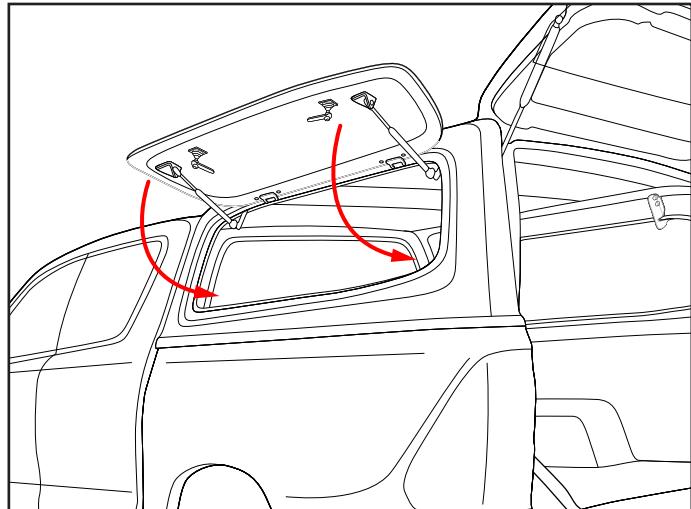
## User manual



Solid Birdwing Window Left-Right  
(Handle Lock)



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

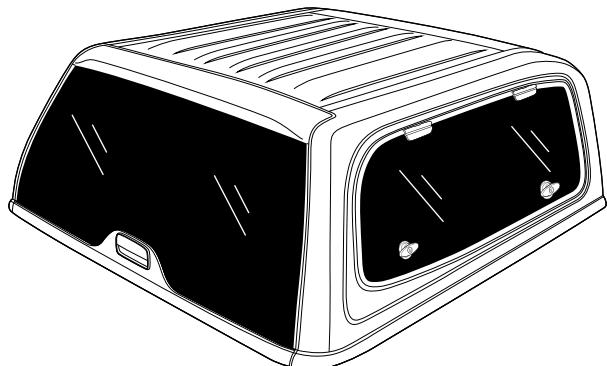


Picture shows how to close the side window.



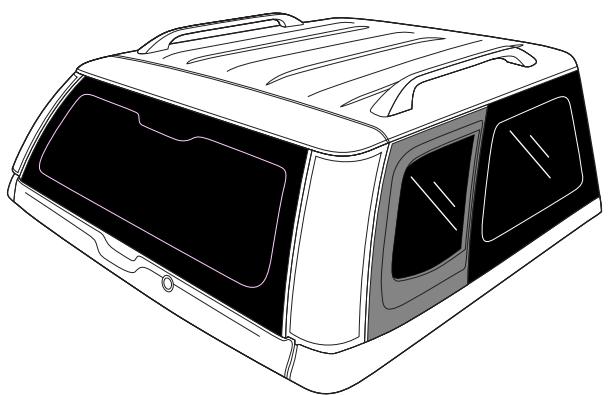
# SAMMITR

User manual



Backdoor

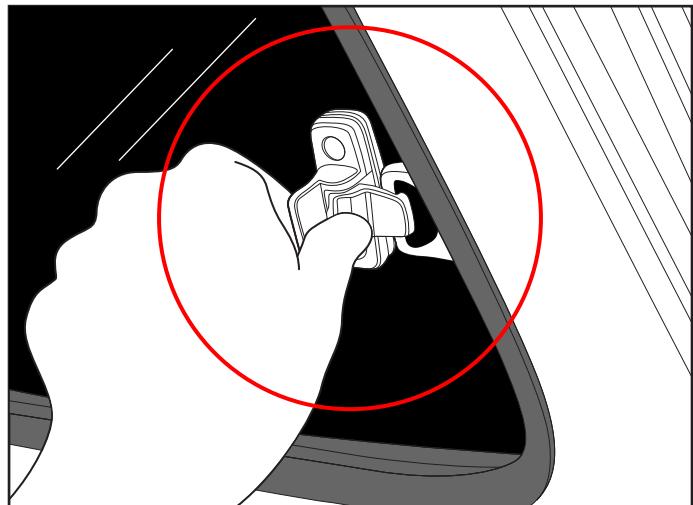
User manual



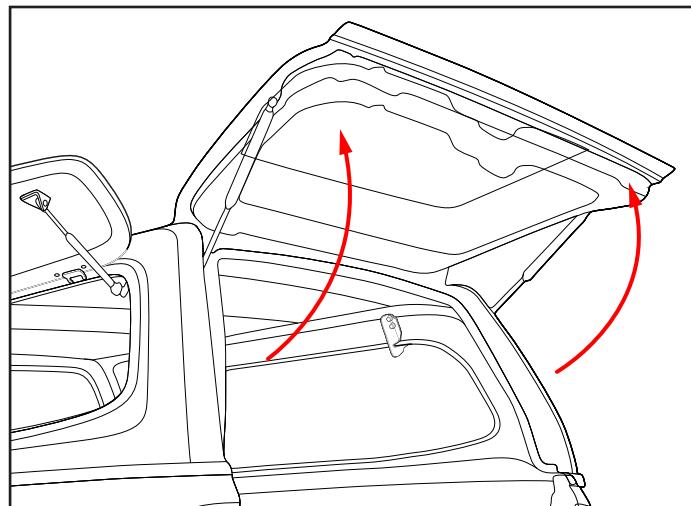
Slide Window (Left-Right)



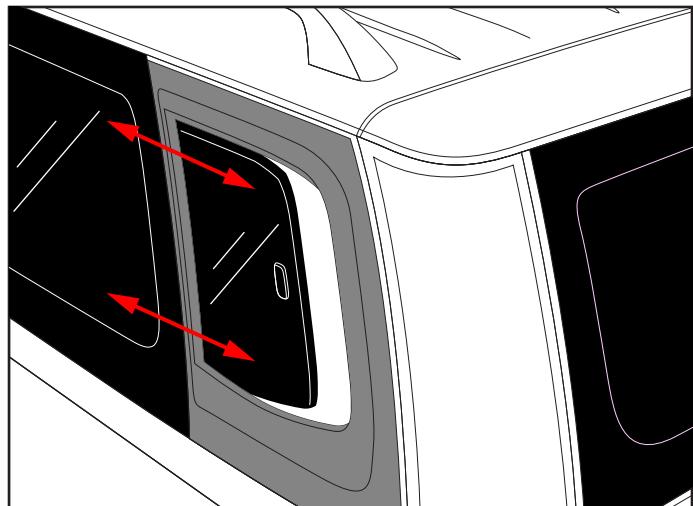
Use the handle as shown in picture to open the backdoor.



Squeeze the lock side to open.



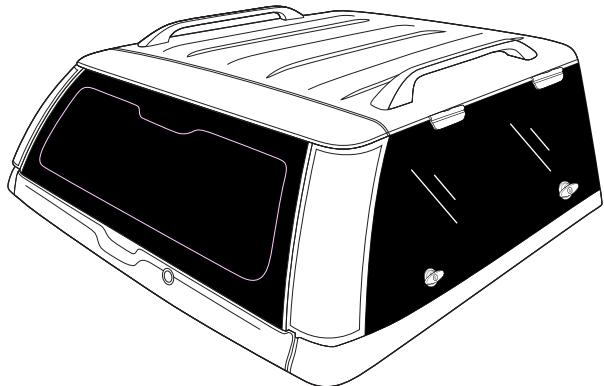
The Picture shows how to open the backdoor.



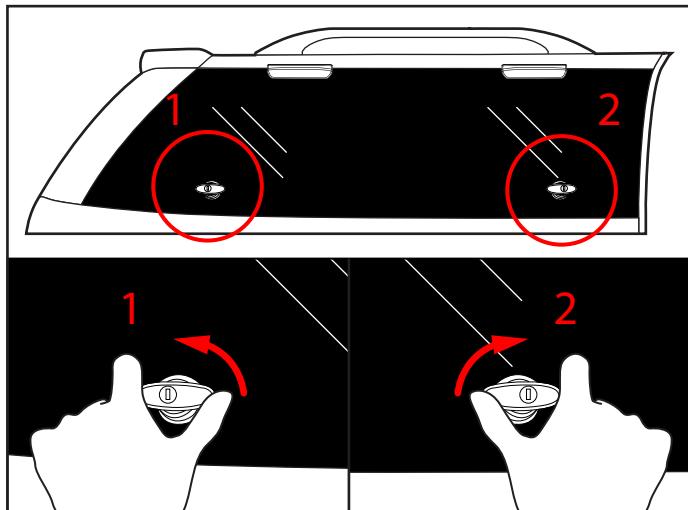
The Picture shows how to open the side window.



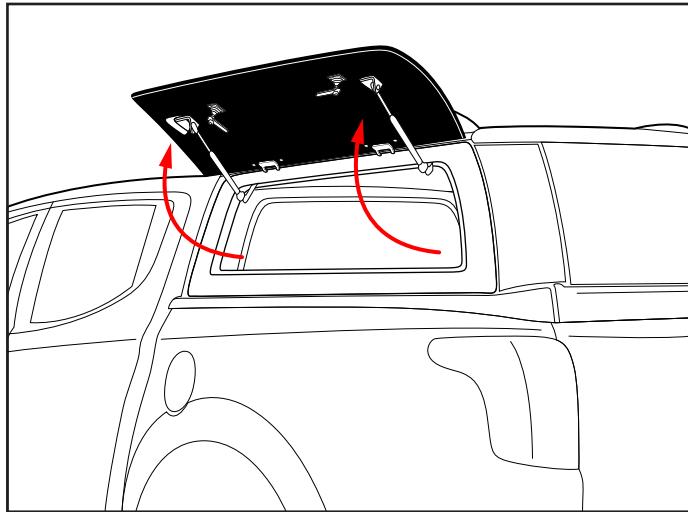
## User manual



Glass Birdwing Window Left-Right  
(Handle Lock)

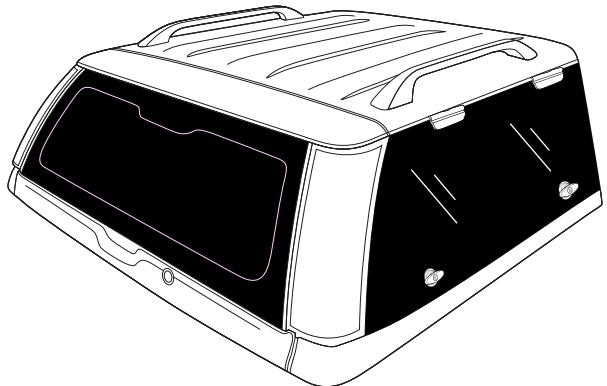


Turn around the canopy lock as shown in picture to open the side window.

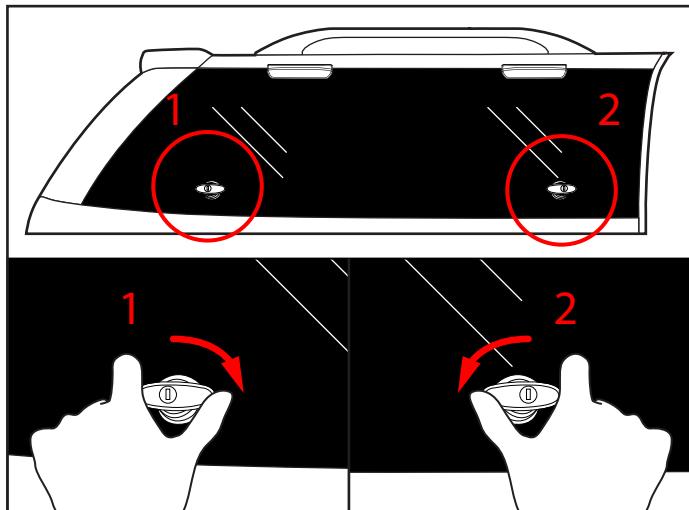


Picture shows how to open the side window.

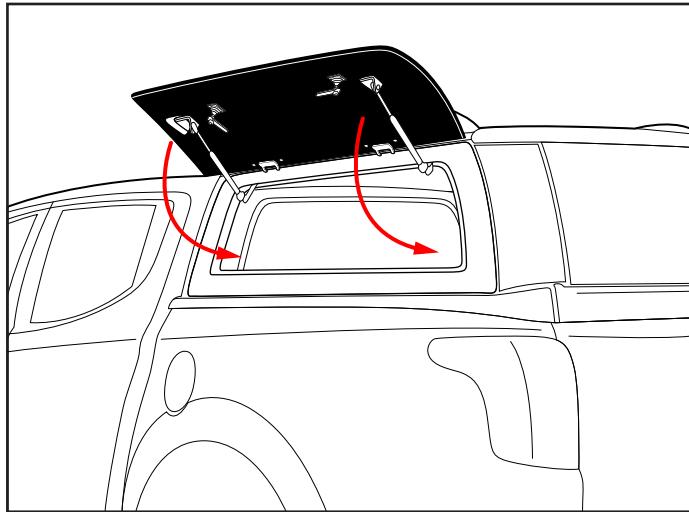
## User manual



Glass Birdwing Window Left-Right  
(Handle Lock)



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

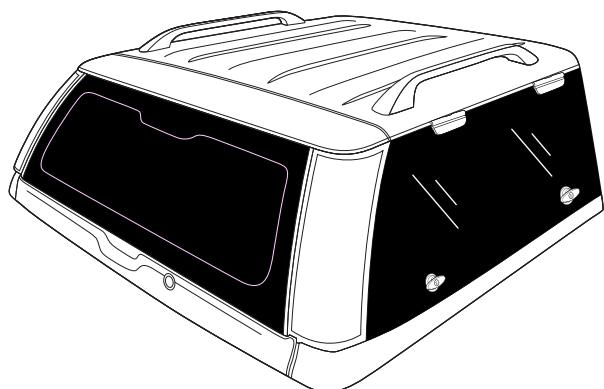


Picture shows how to close the side window.



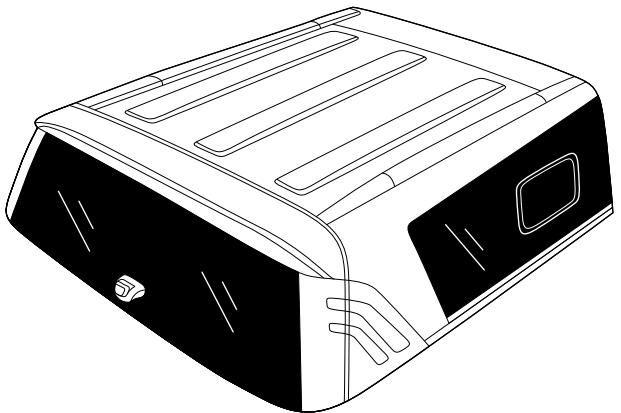
# SAMMITR

User manual

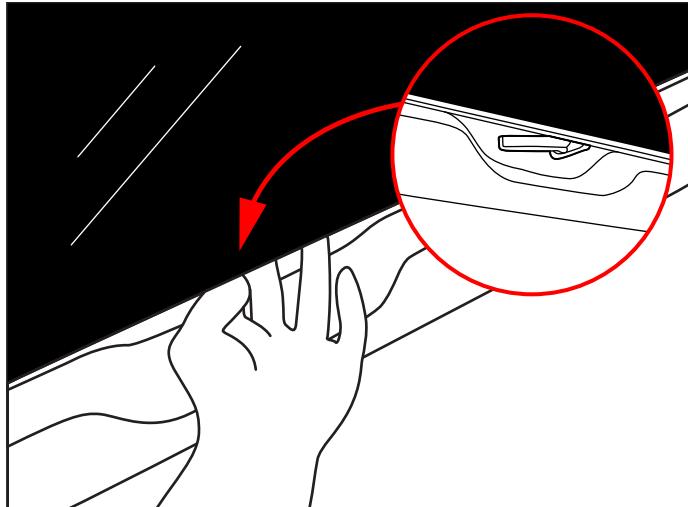


Backdoor

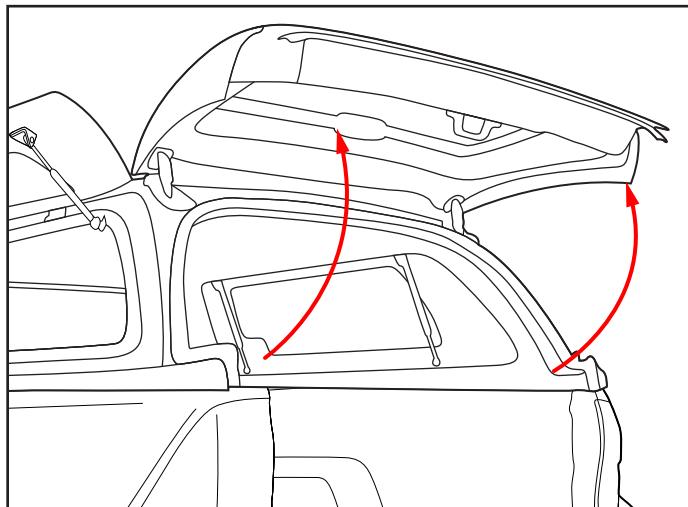
User manual



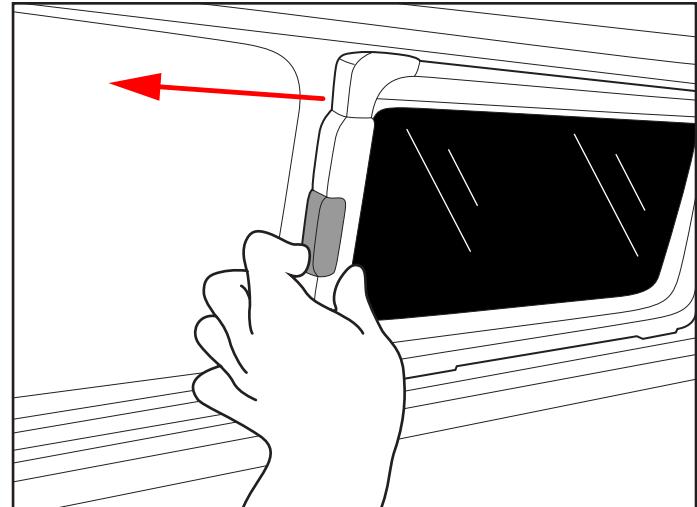
Slide Window (Left-Right)



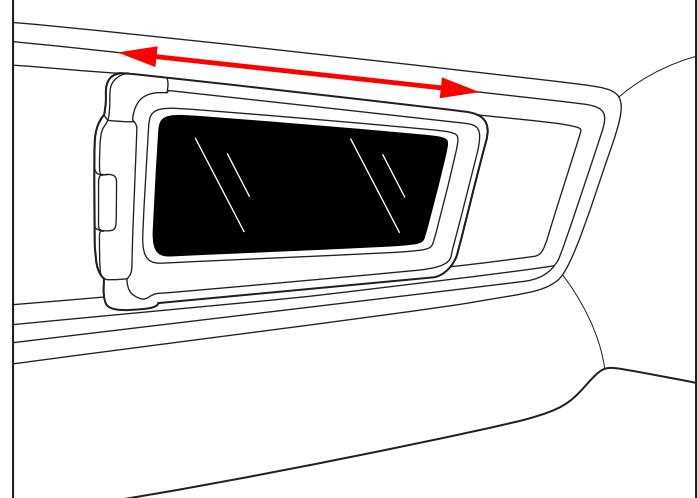
Pull the stick of handle to open the back door.



The Picture shows how to open the backdoor.



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

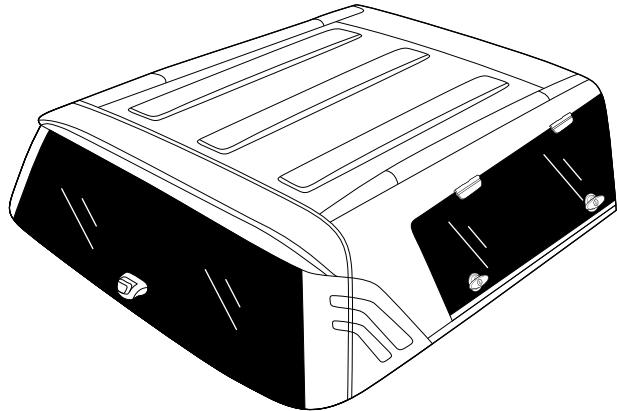


Picture shows how to open the side window from inside.

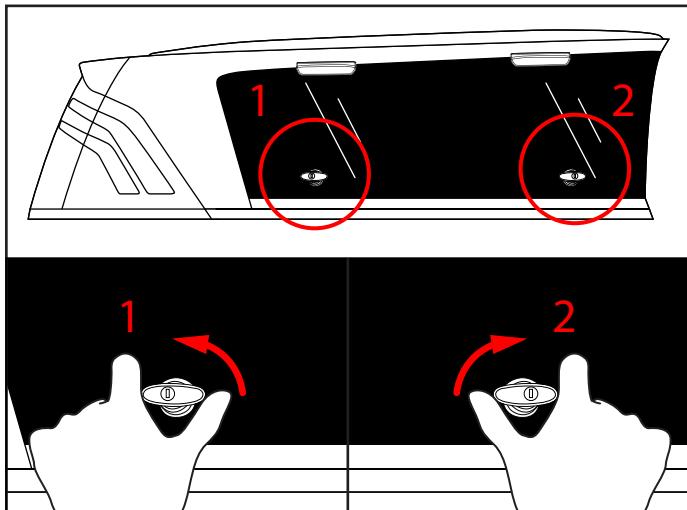


# SAMMITR

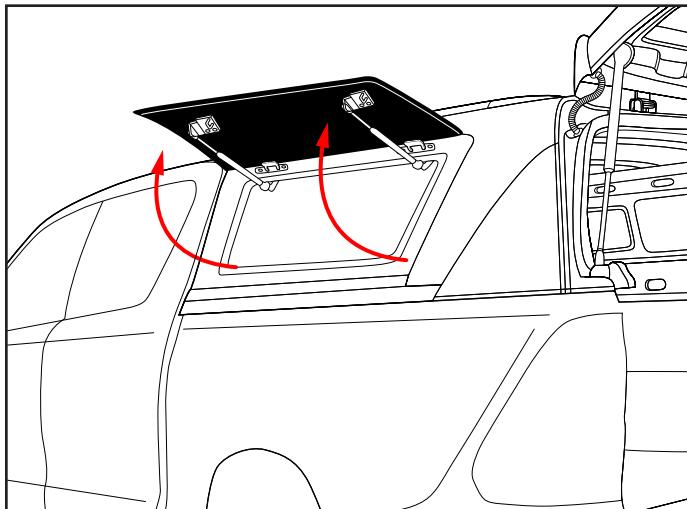
User manual



Glass Birdwing Window Left-Right  
(Handle Lock)

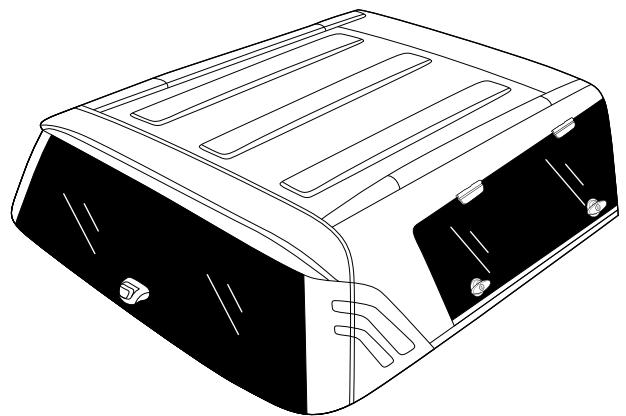


Turn around the canopy lock as shown in picture to open the side window.

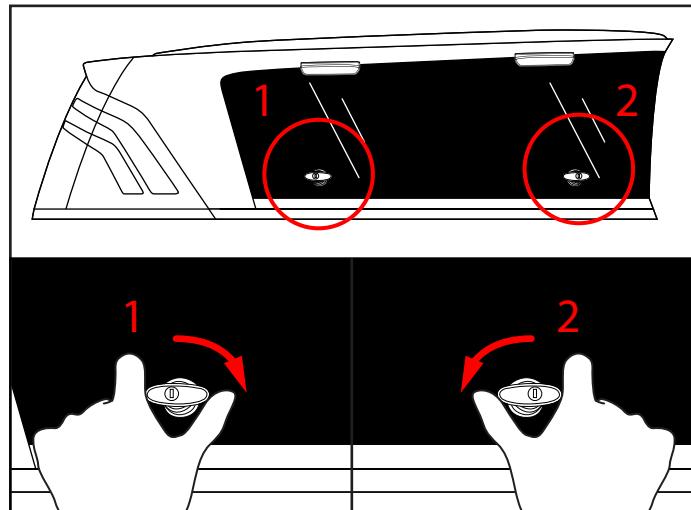


Picture shows how to open the side window.

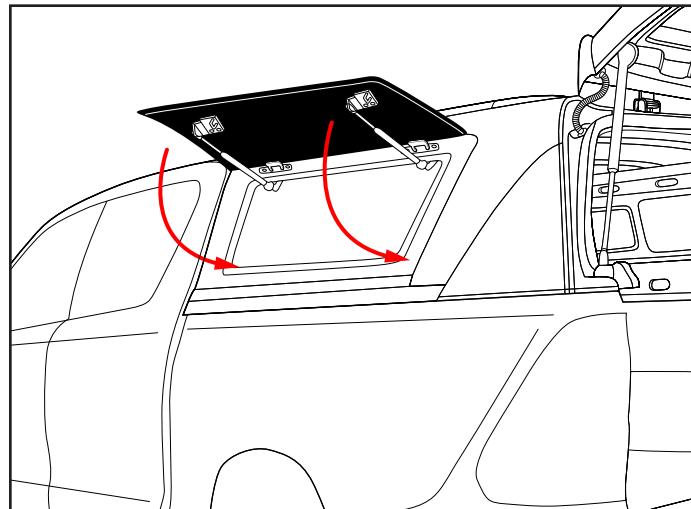
User manual



Glass Birdwing Window Left-Right  
(Handle Lock)



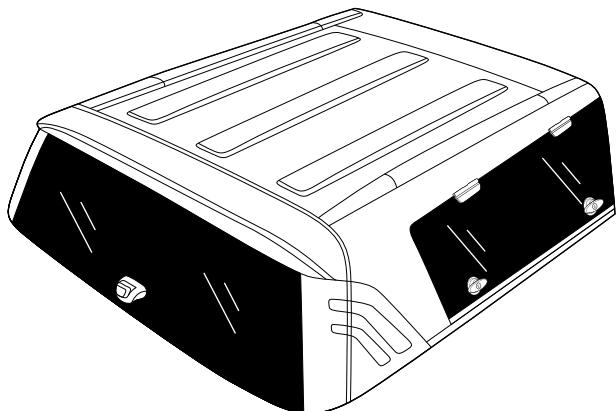
Turn around the canopy lock as shown in picture to close the side window.



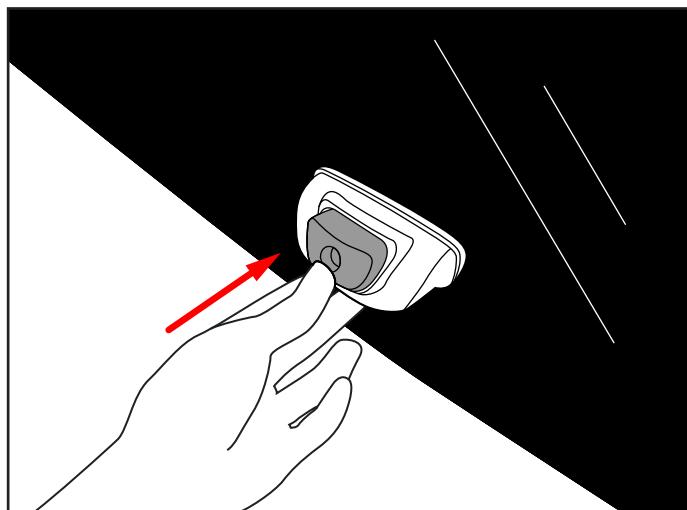
Picture shows how to close the side window.



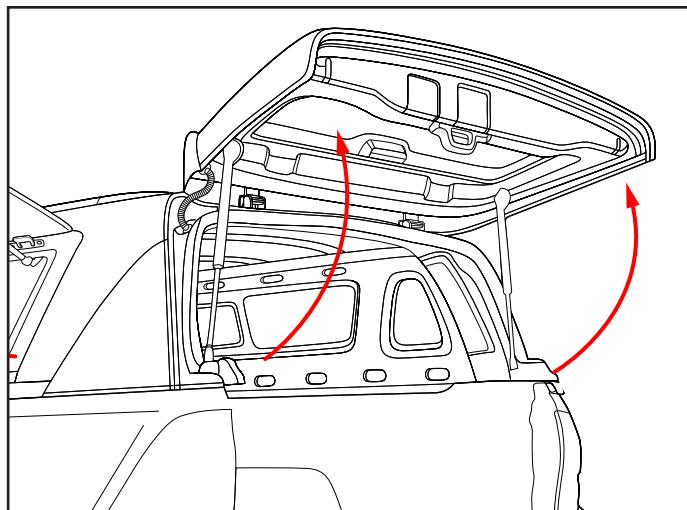
## User manual



Backdoor



Push the button to open the back door.



The Picture shows how to open the backdoor.