



SAMMITR

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

Version 1.0



SAMMITR

**Mechanical Installation
Manual
for**

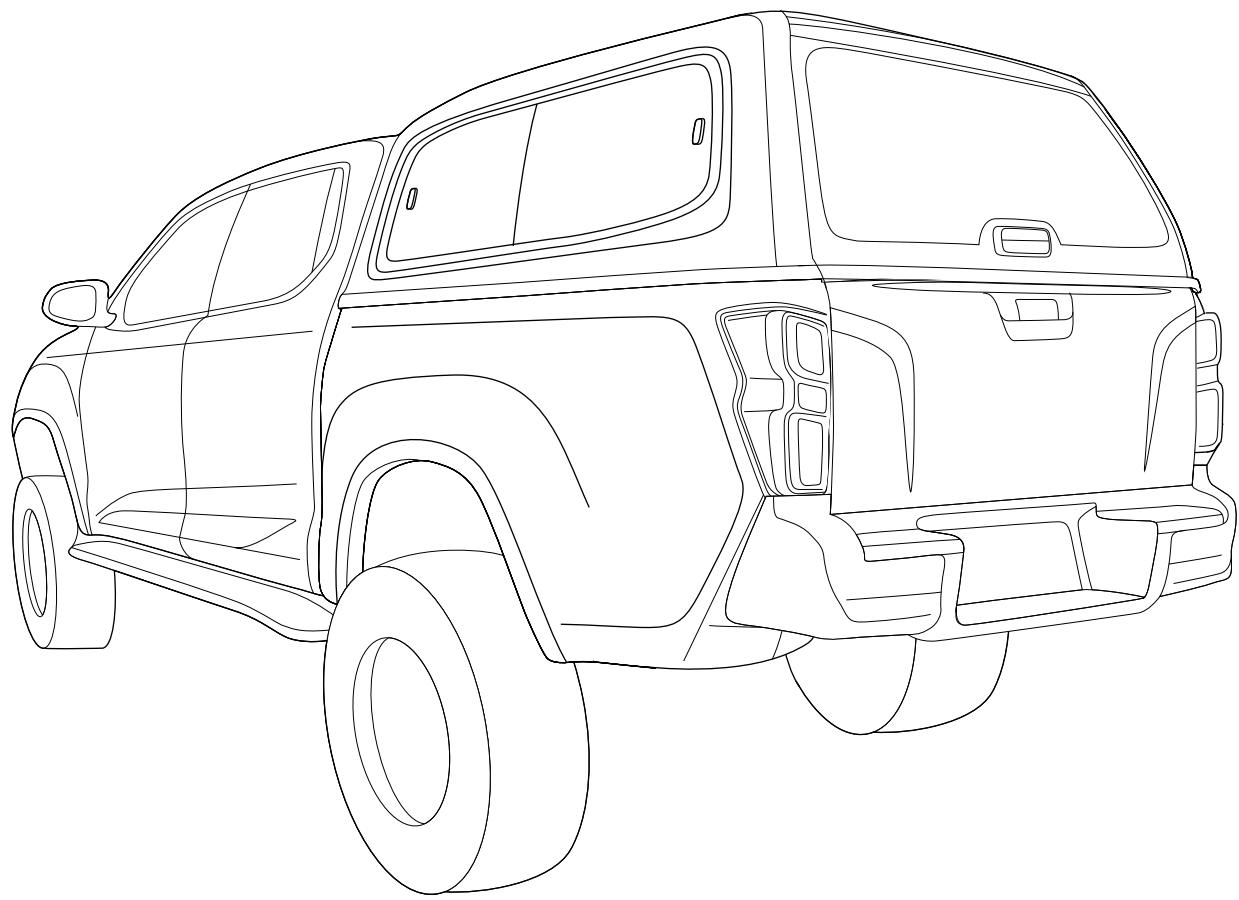
Isuzu D-Max 2021

Mazda BT-50 2021

*S-plas***V2**



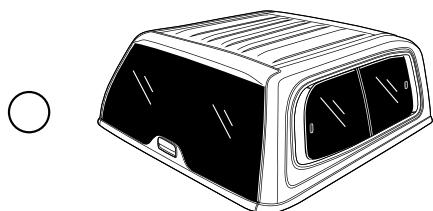
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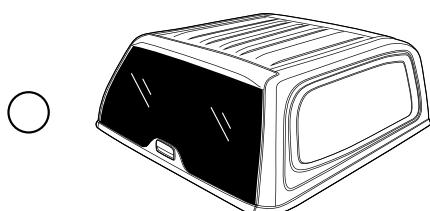


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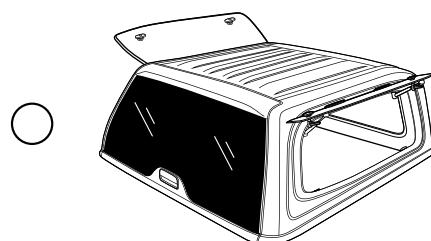
■ Steel Canopy S-Plus V2



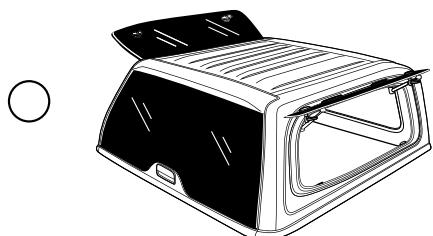
Glass Slide Window



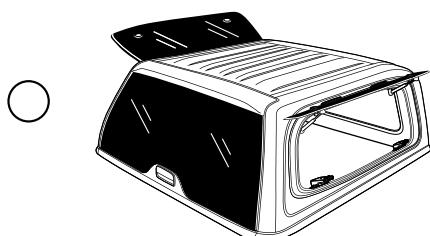
Solid Window



Solid Birdwing Window (Handle Lock)

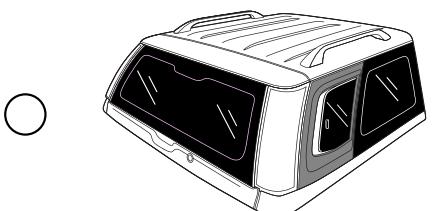


Glass Birdwing Window (Handle Lock)

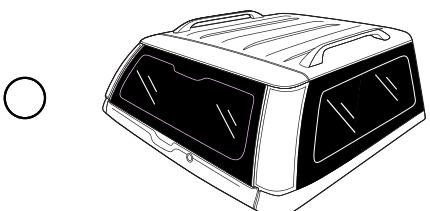


Glass Birdwing Window (Electric Lock)

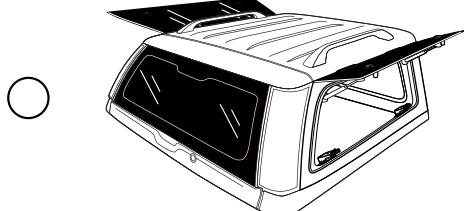
■ Steel Canopy SUV-Plus V4



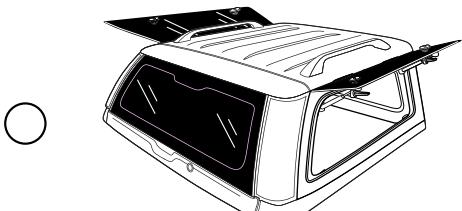
Glass Slide Window



Glass Fix Window

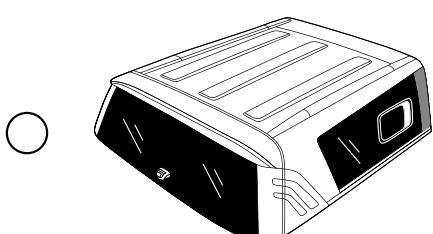


Glass Birdwing Window (Electric Lock)

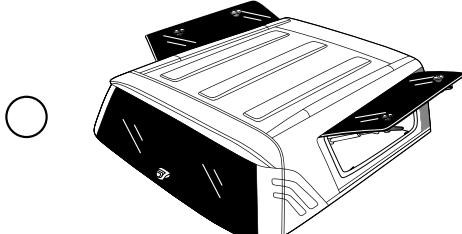


Glass Birdwing Window (Handle Lock)

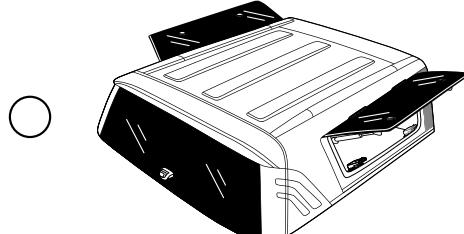
■ Steel Canopy TL-1



Glass Slide Window



Glass Birdwing Window (Handle Lock)



Glass Birdwing Window (Electric Lock)



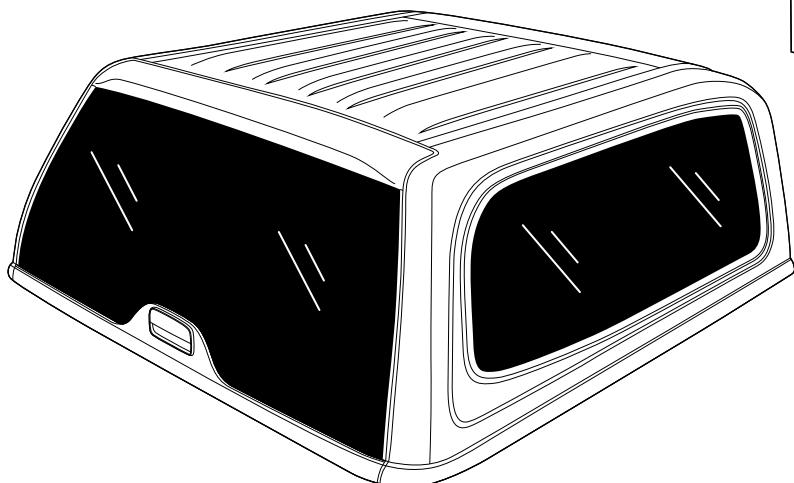
Installation Manual

For Isuzu D-Max 2021

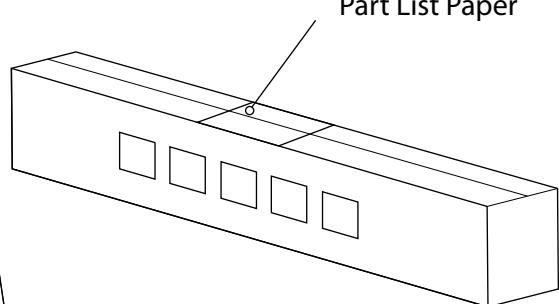
Steel Canopy : S-Plus V2
Version 1.0

Part In Main Carton

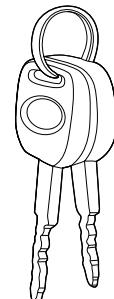
P1: Steel Canopy S-Plus V2



P2: Kit Box

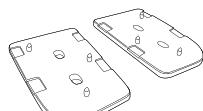


Part List Paper

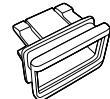


P3: Key

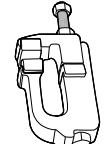
Kit Box



x2
K2 : Rubber R/L

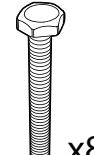


K3 : Switch Case



x4

K5 : C-Clamp



x8
K7 : Bolt M6



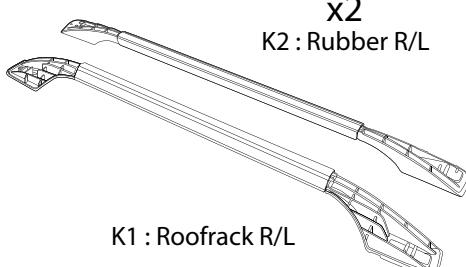
x8
K9 : Washer M6



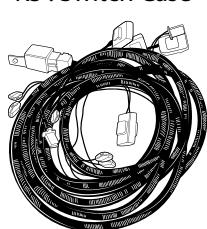
x8
K10 : Washer M8



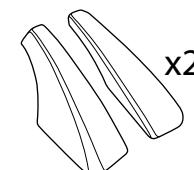
x8
K11 : Spring Washer M6



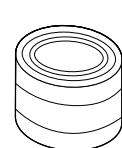
K1 : Roofrack R/L



K4 : Wiring No.38

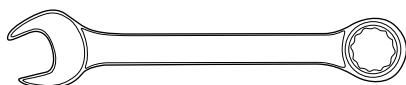


x2
K6 : Roofrack Cover

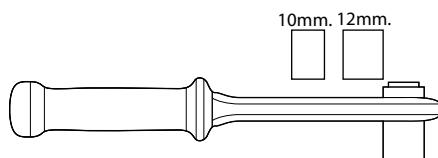


K8 : T Paint

Tools



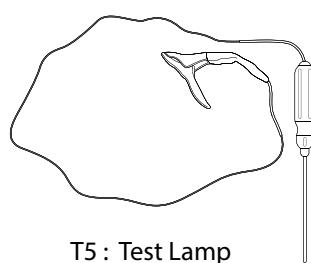
T1 : 13 mm. Wrench



10mm, 12mm.
T3 : 10,12mm. Torque Wrench



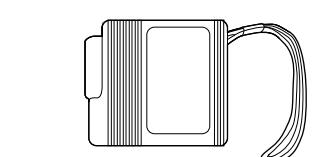
T2 : 10 mm. Wrench



T5 : Test Lamp



T6: Tape



T4 : Measuring Tape/Ruler



T7 : Electric Tape

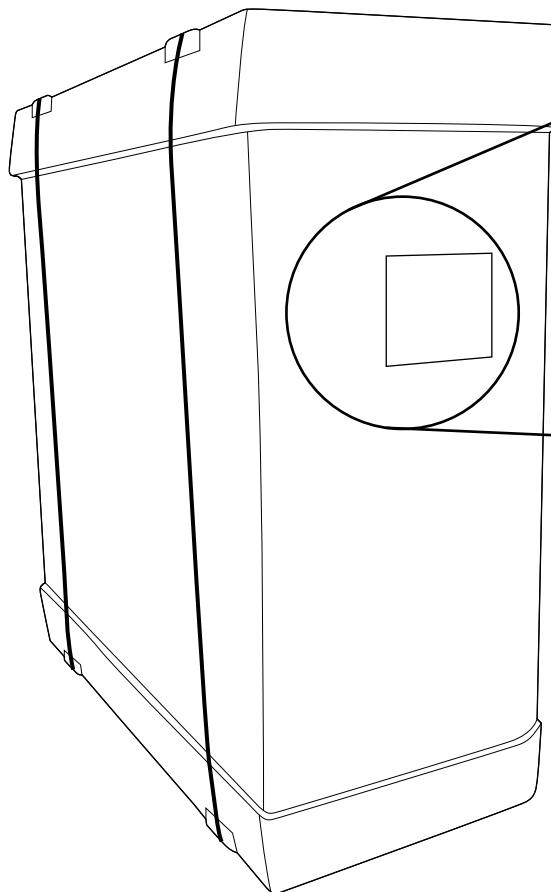


T8 : Fabric



1

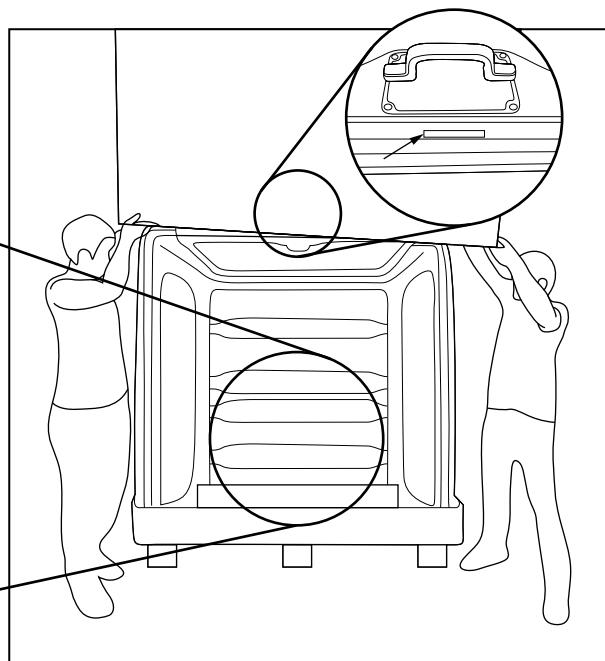
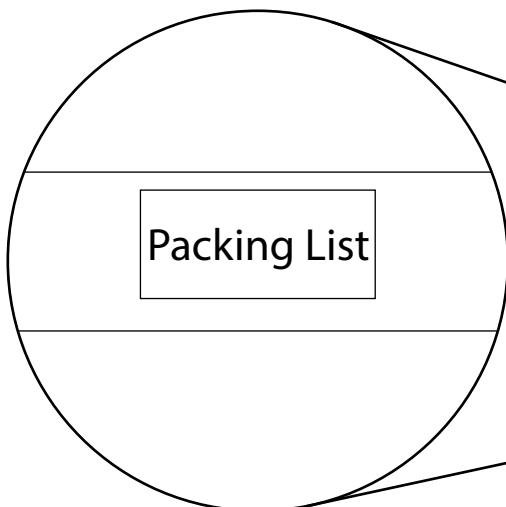
The Procedure of checking the Sammitr canopy box before installation.



Brand
Model
Type
Year
Color
Part number
Serial number

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

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

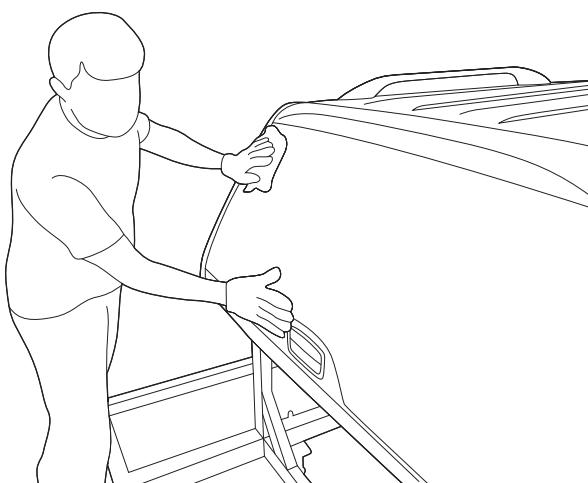




2

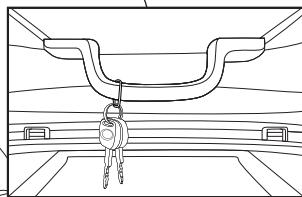
The preparation process of Sammitr Canopy V2 model before installation with the vehicle.

1

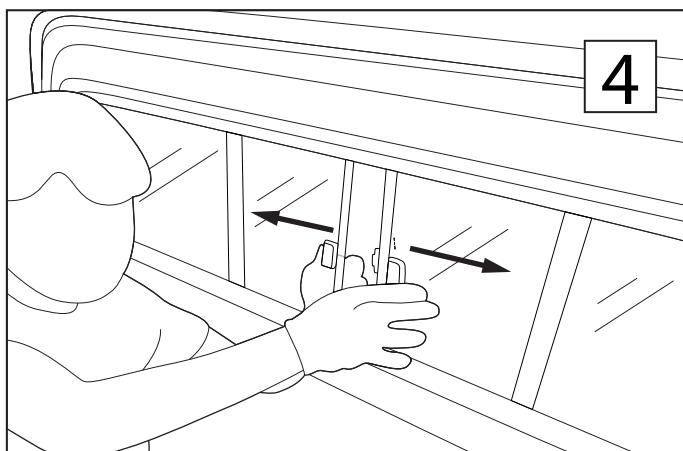


1. Canopy have to be in good condition, no damage, dent, cracks, smooth surface including no window damages or cracks.
2. Locking system is working for both keys.
3. Canopy sides are not damage, dent or cracks.
4. Canopy front window panel is working (open/close), no cracks or damages occurrences.
5.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

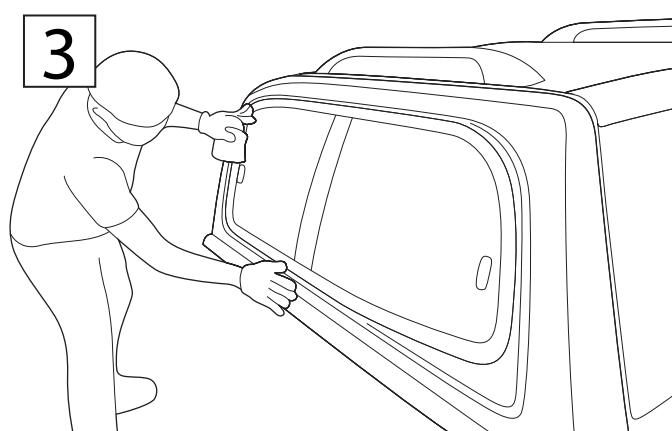
2



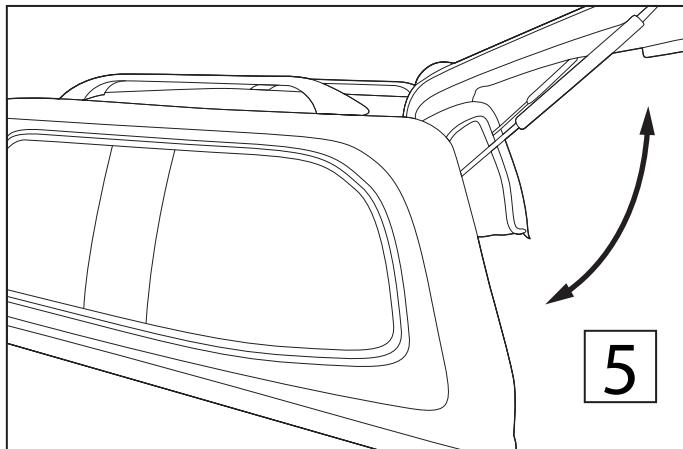
4



3



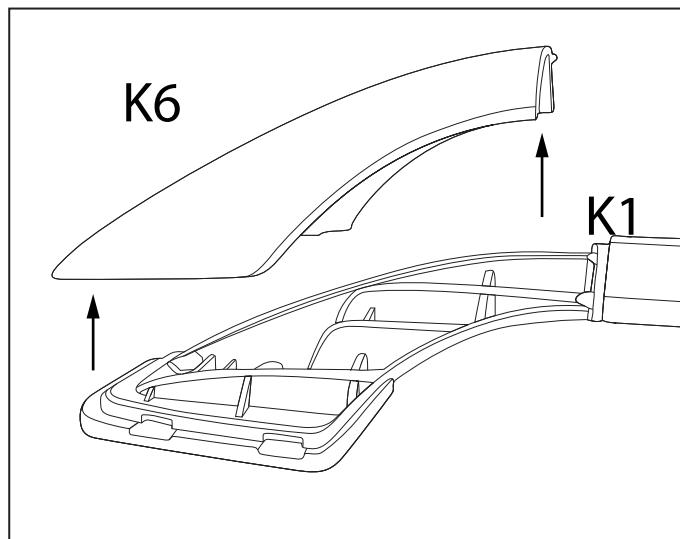
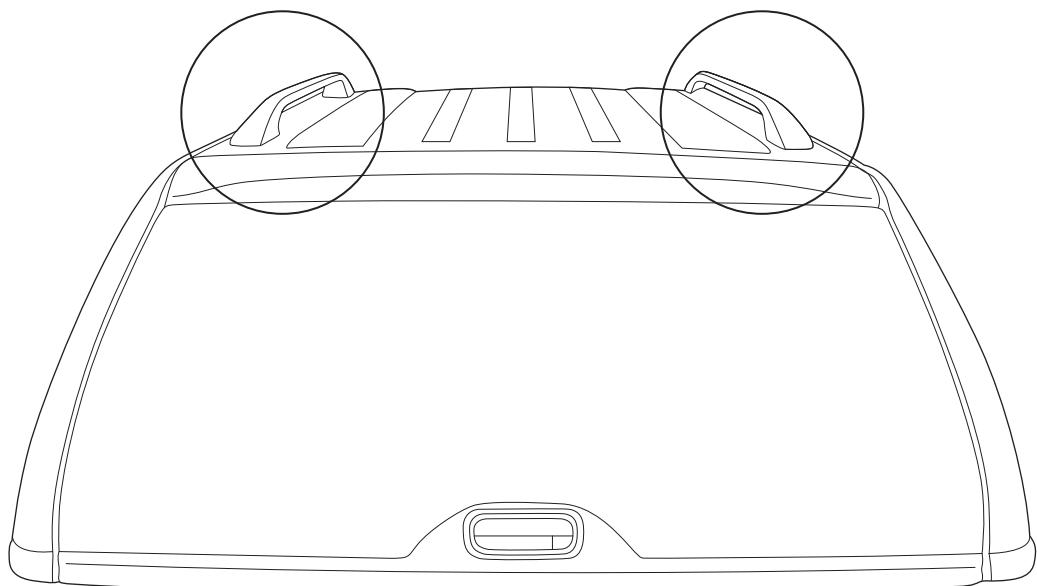
5



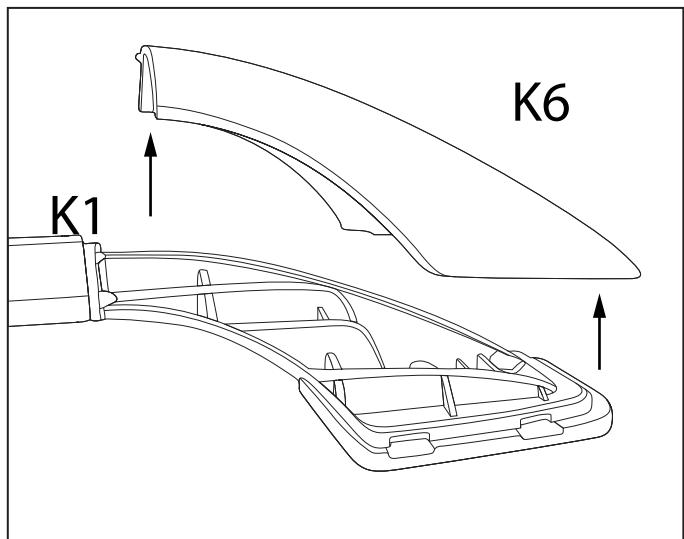


3

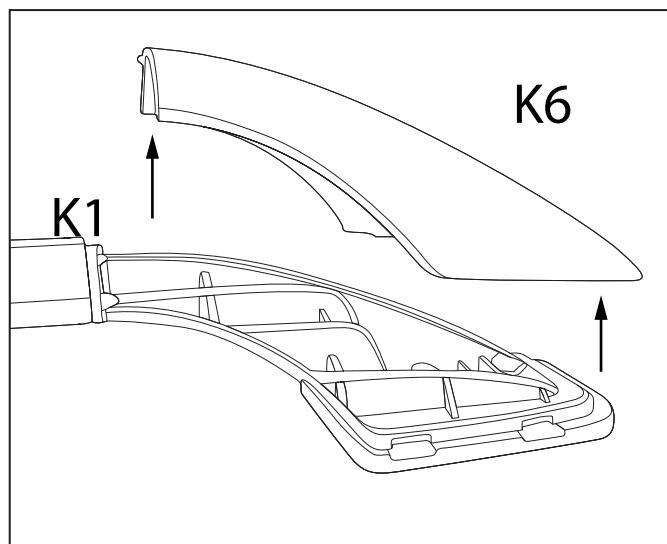
The process of Roof rack installation manual of the S-Plus V2 canopy before installs on the vehicle.



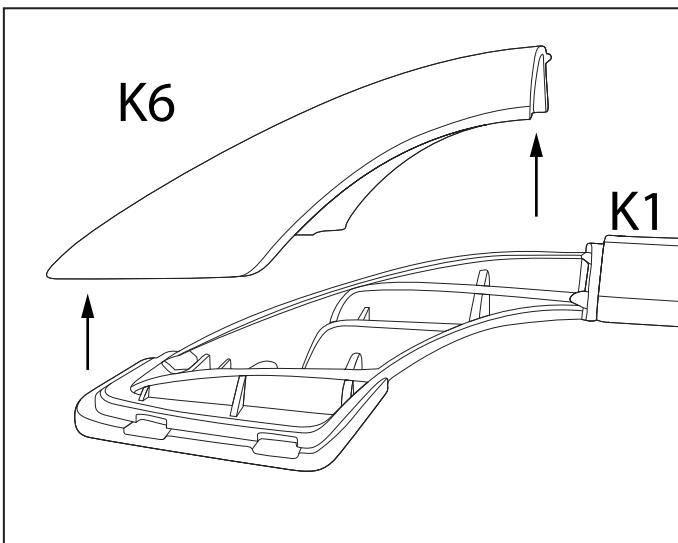
Roof rack Front Part – Rear Left



The process of remove the roof rack cover on the S-Plus V2 canopy in order to install nuts.

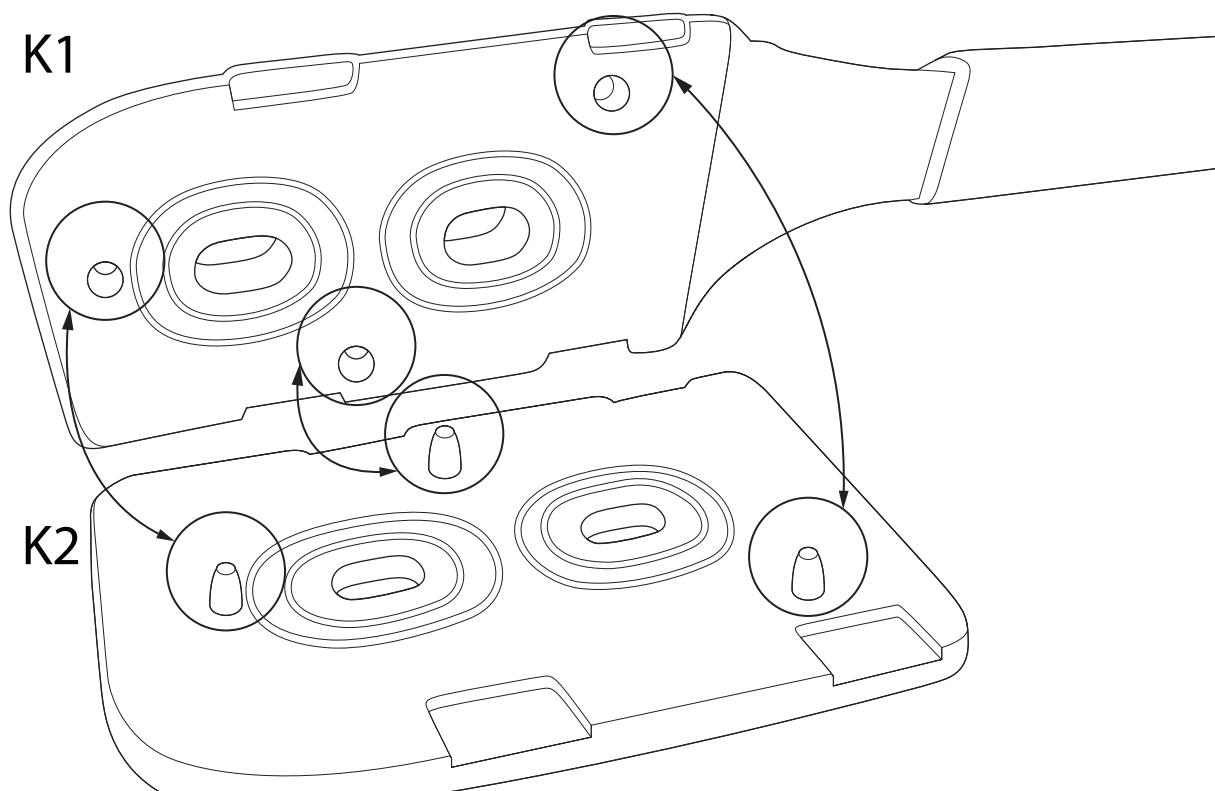


4
Roof rack Front part
Rear Right.



The process of remove the roof rack cover on the S-Plus V2 canopy in order to install nuts.

5



Rubber Pad dispatch position of the Roof rack legs when install on the canopy.



6

Bolt M6

K7

Washer M6

K9

SpringWasher M6

K11

Washer M8

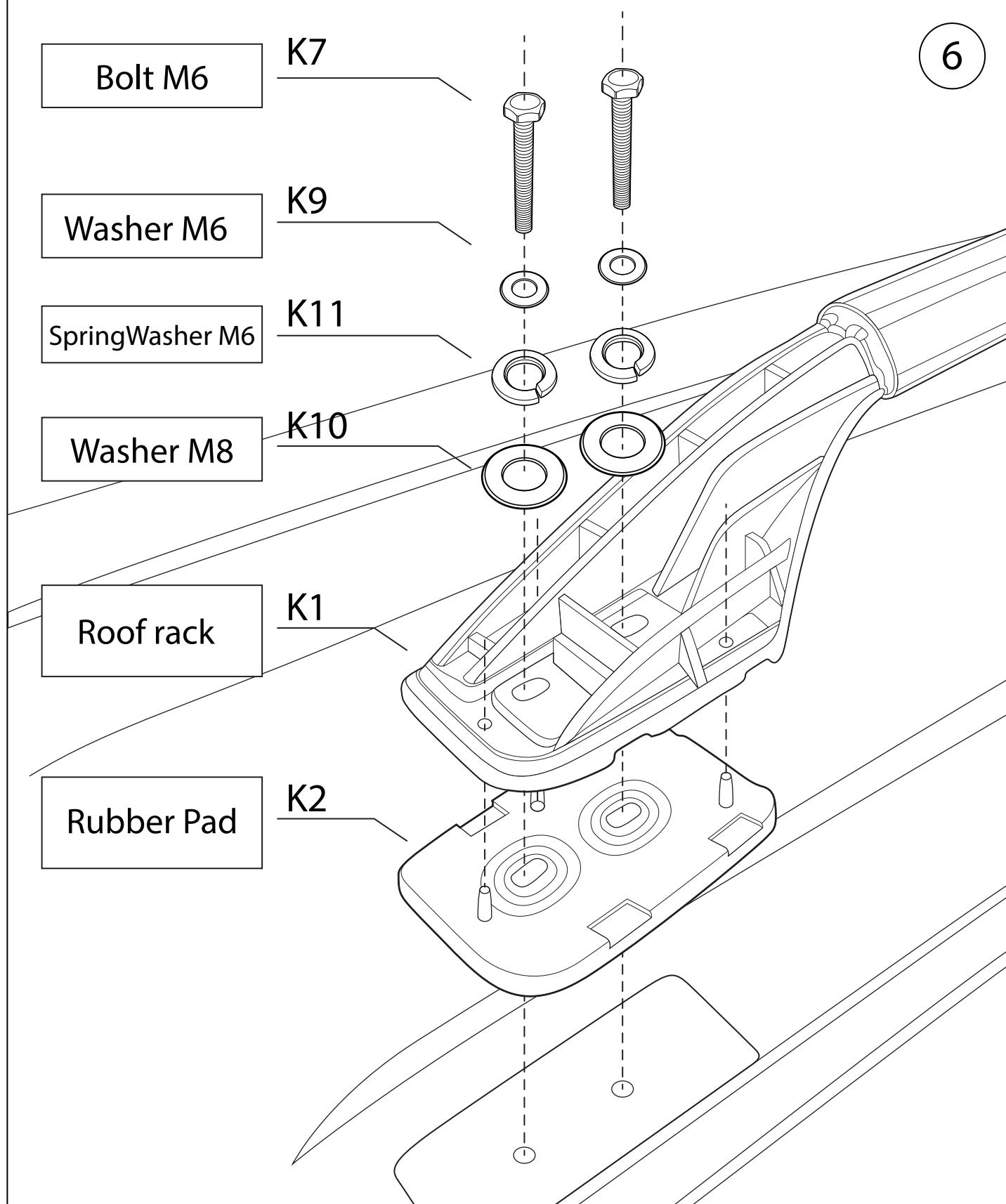
K10

Roof rack

K1

Rubber Pad

K2



The process/step of install Roof rack accessories on the S-Plus V2 canopy, all 4 points.

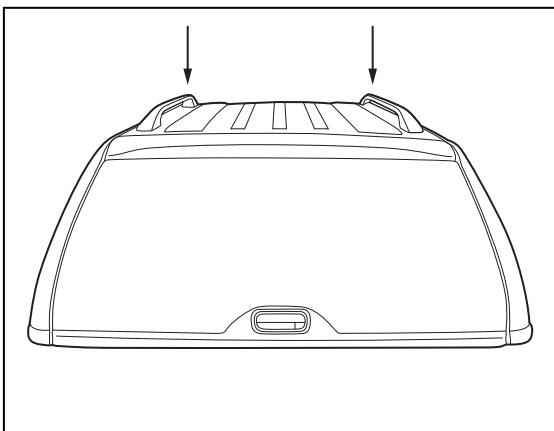


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7

T3

Tighten Roof rack bolts at the front part of the canopy.

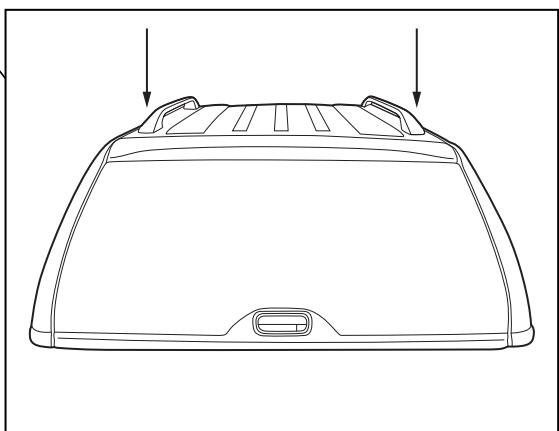


Tightening Roof
Rack bolts at 9 Nm
with the
Pound Wrench.

8

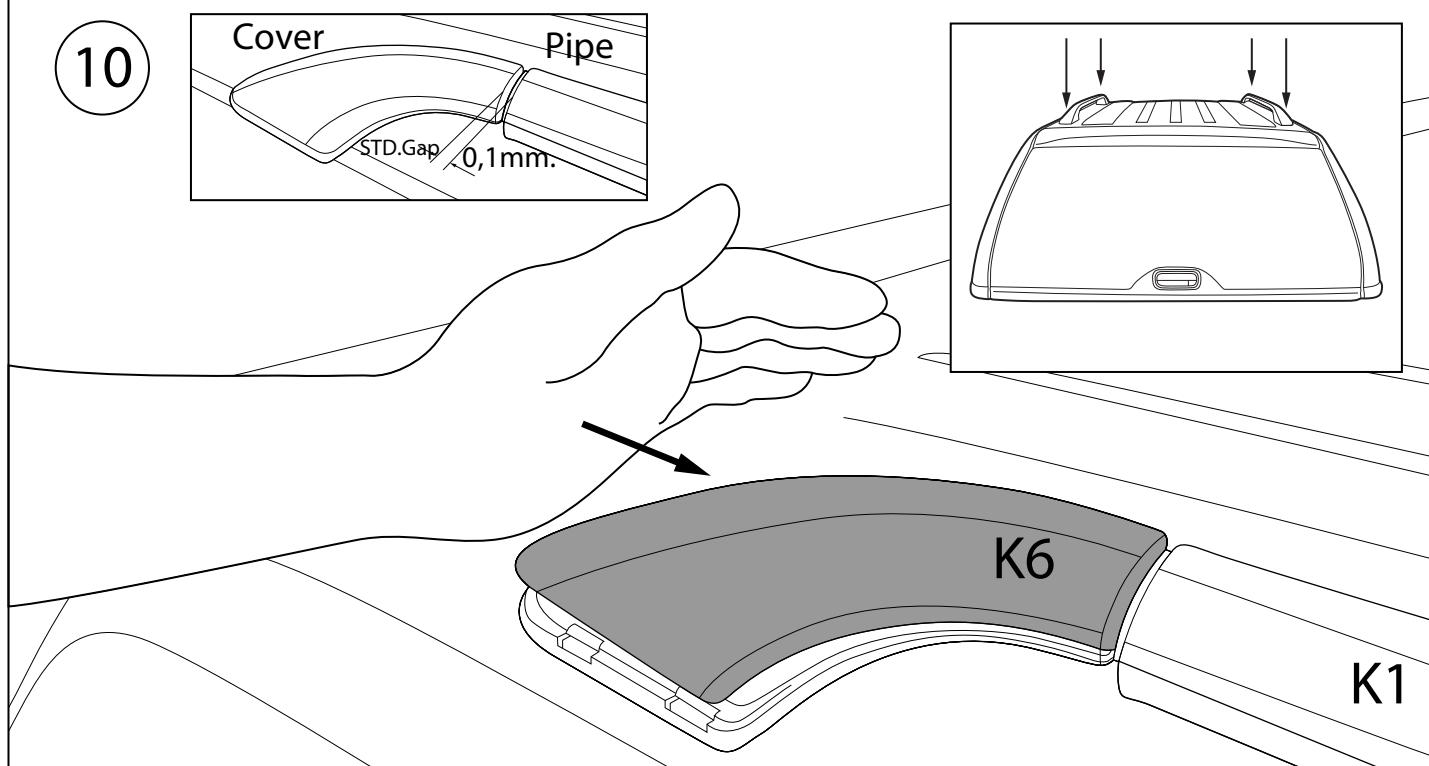
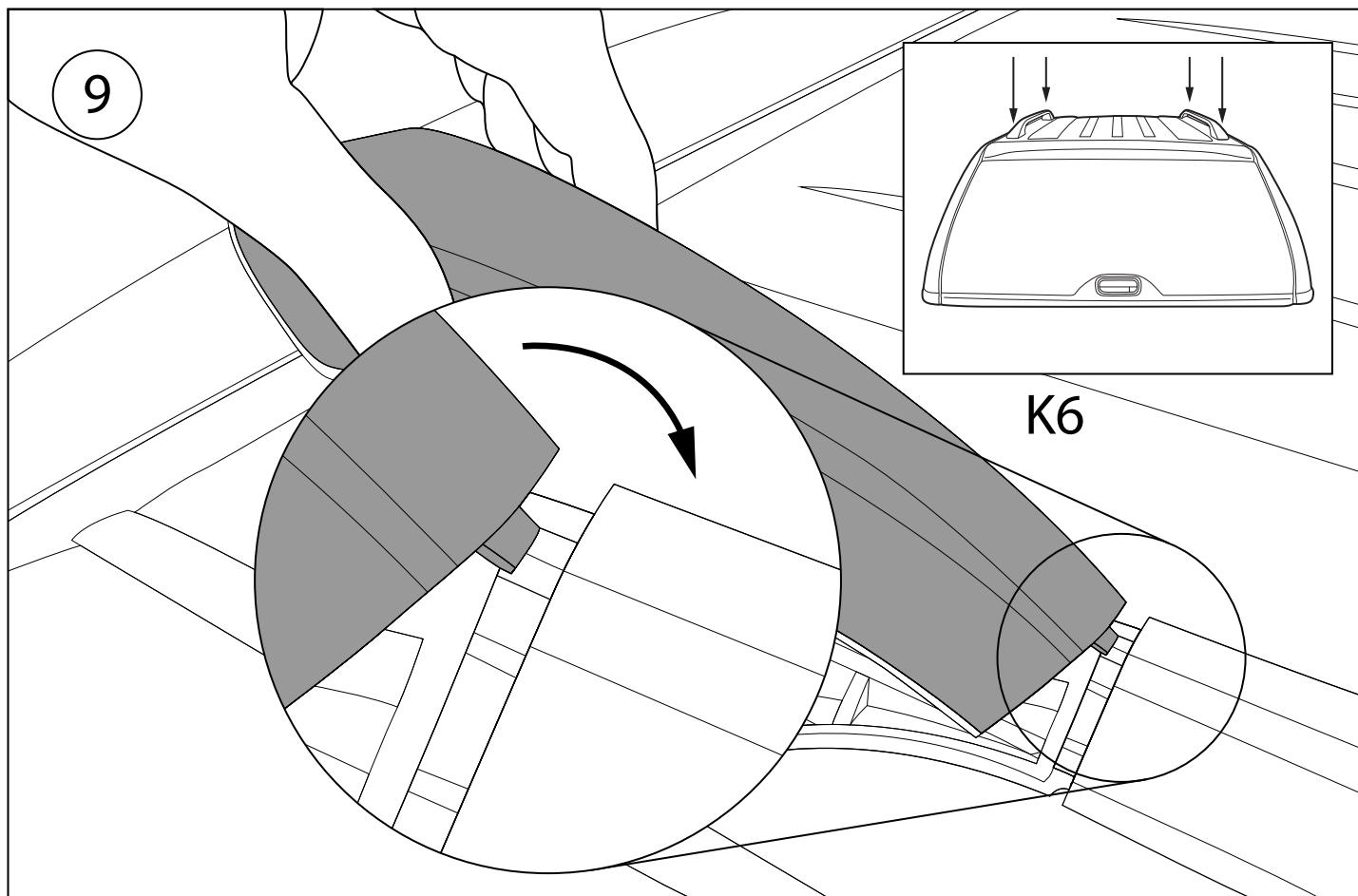
T3

Tightening Roof
Rack bolts at 9 Nm
with the Pound
Wrench.





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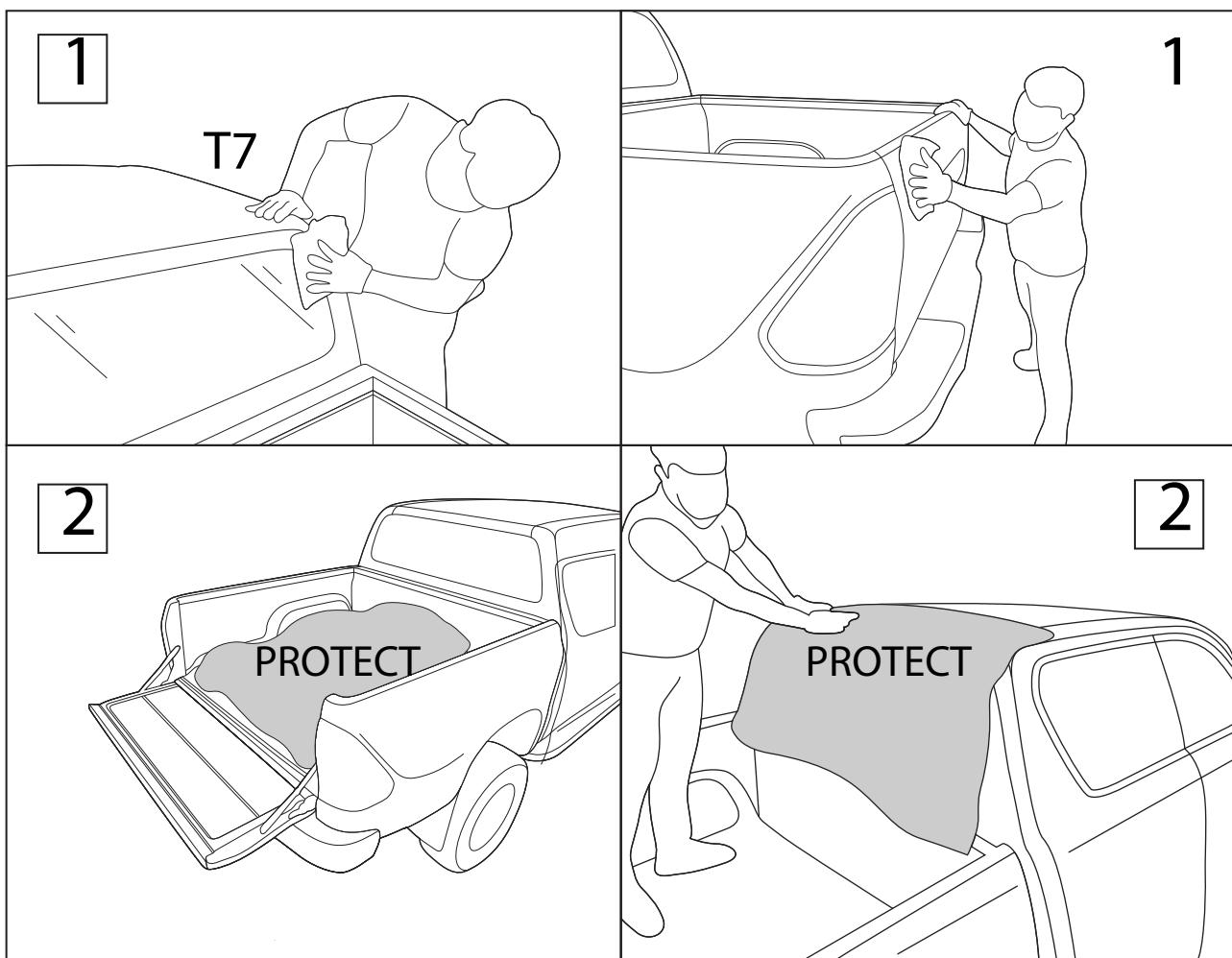
Press and push the Roof rack cover back to the position by hand, then check the gap between cover and roof rack (pipe)



11

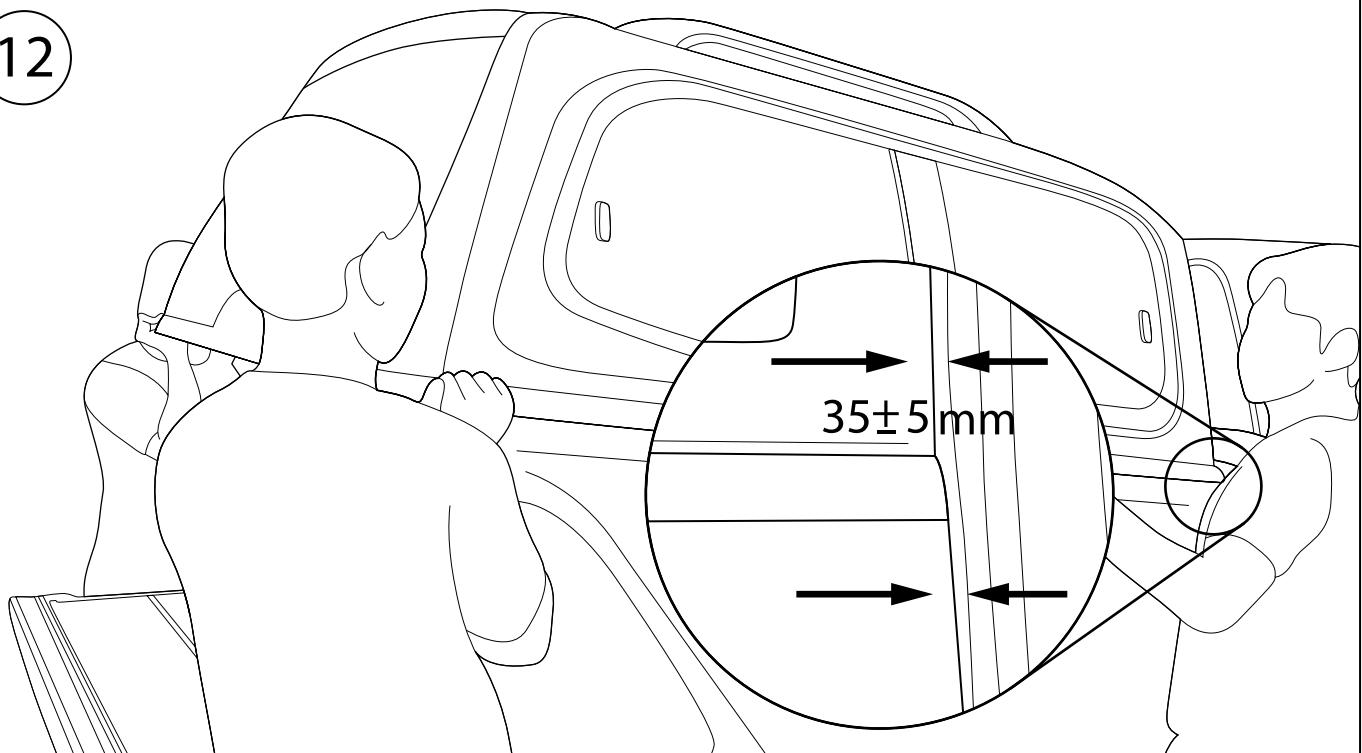
The process of checking and preparing the Isuzu D-max vehicle before install the canopy

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



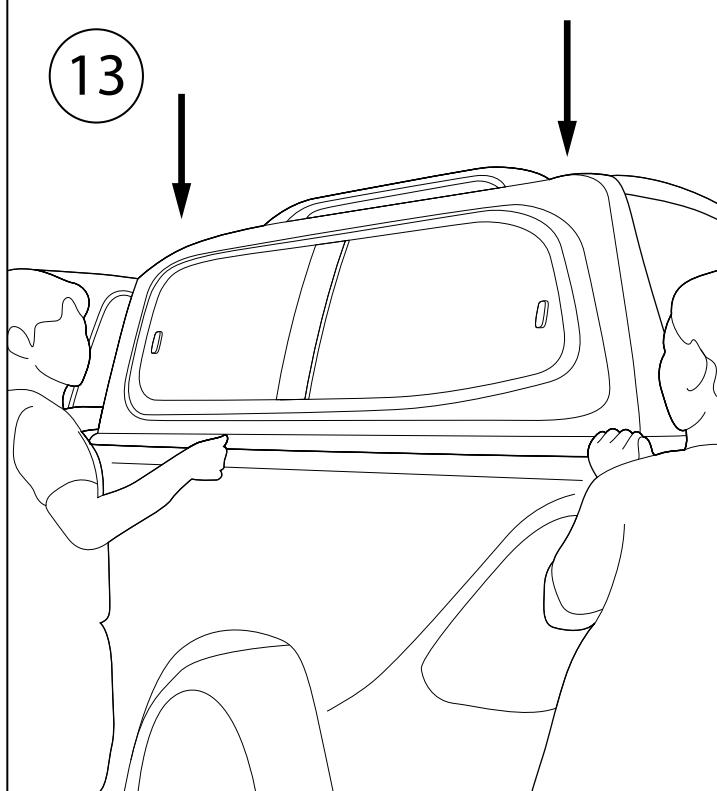


12

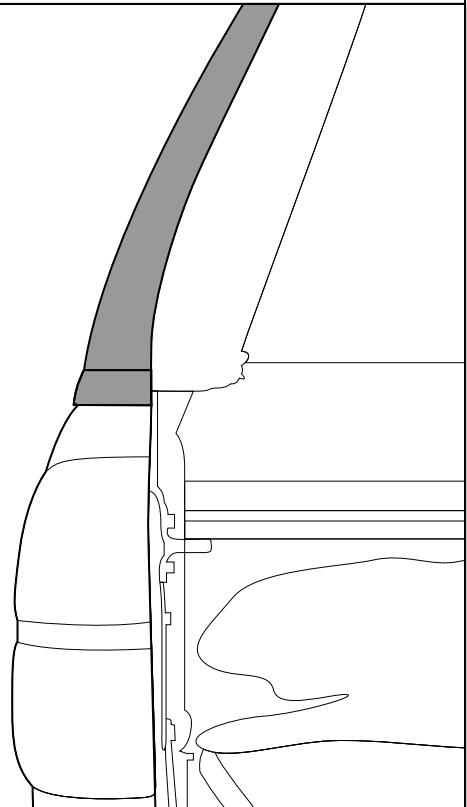


Lift canopy over the pick up truck by rising the rear part higher and the front part to be in the parallel with the edge of the vehicle tub.

13



14



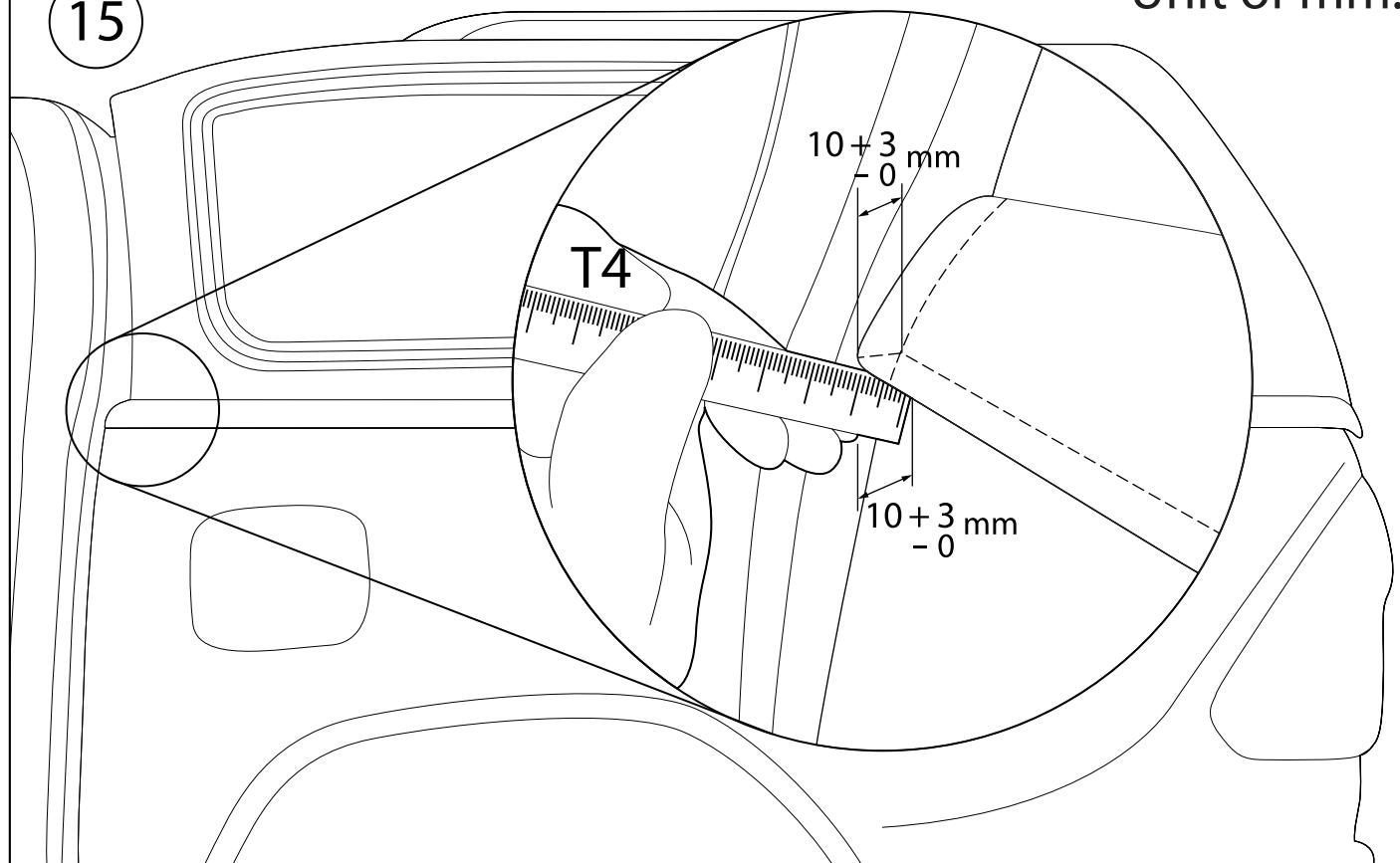
After get the distance in front part and then put the rear part to cover the vehicle tub.

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



15

Unit of mm.

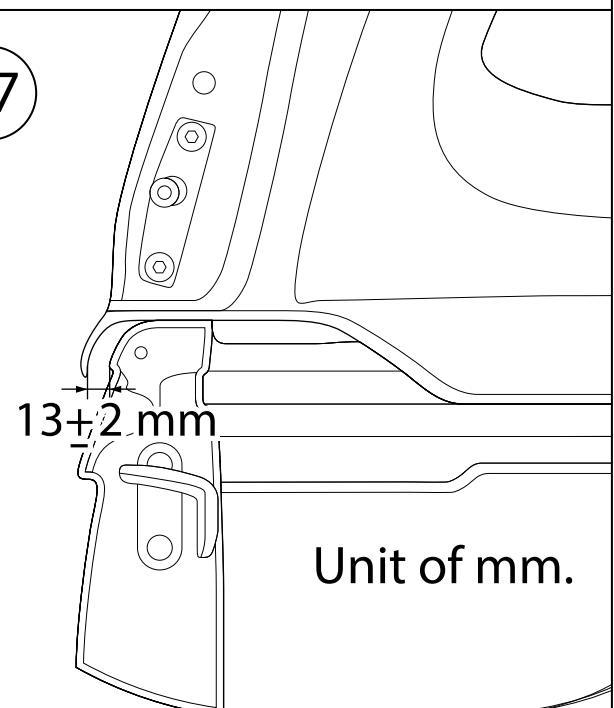
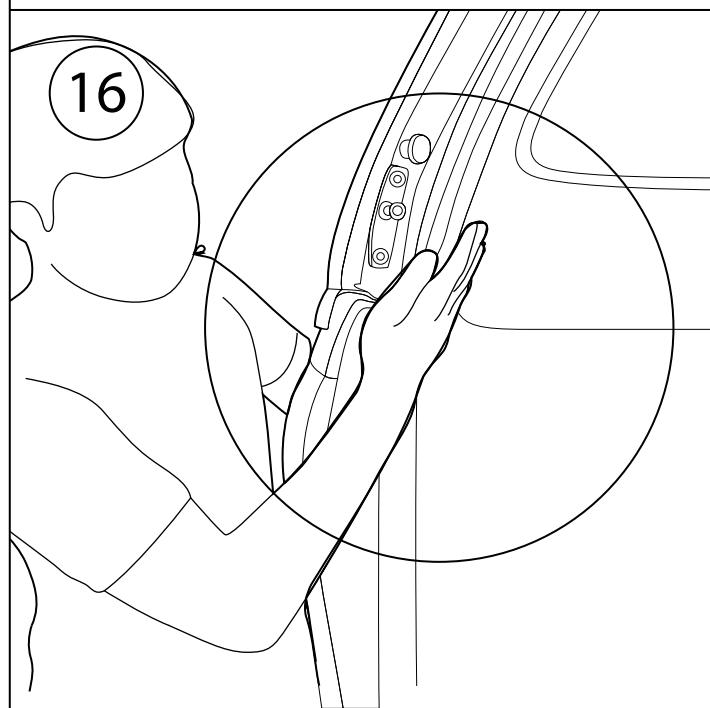


Measure the distance between canopy coverail and the vehicle, to have the 10+3-0 mm distance in overall

16

17

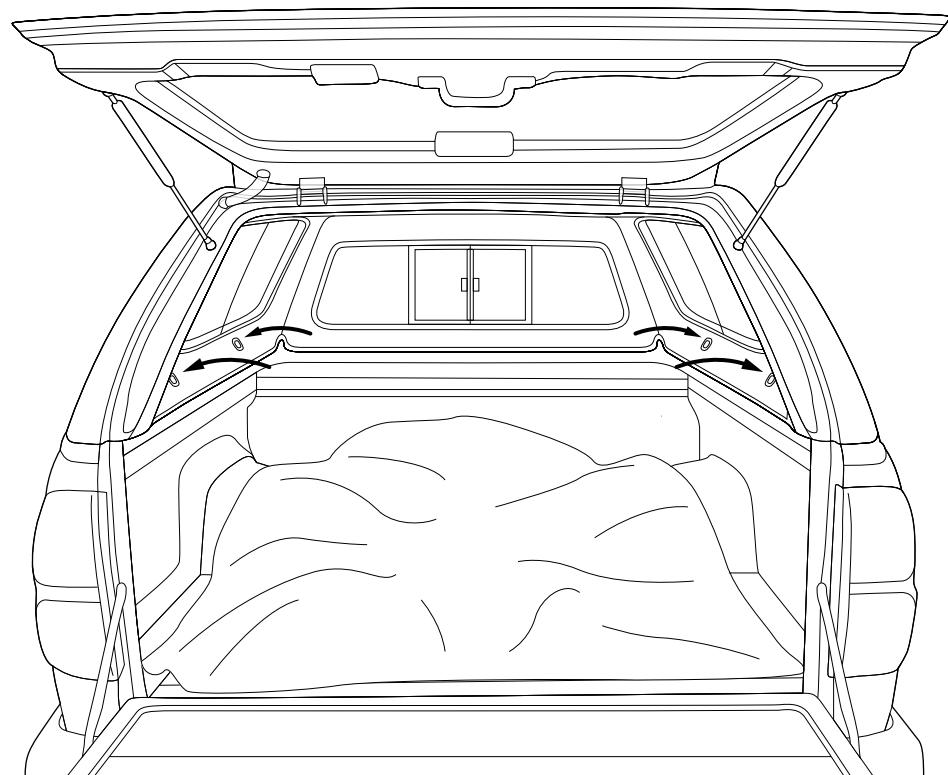
Unit of mm.



After finished measure the front part, check the distance at rear part of canopy which must have the distance of 13+2 mm.

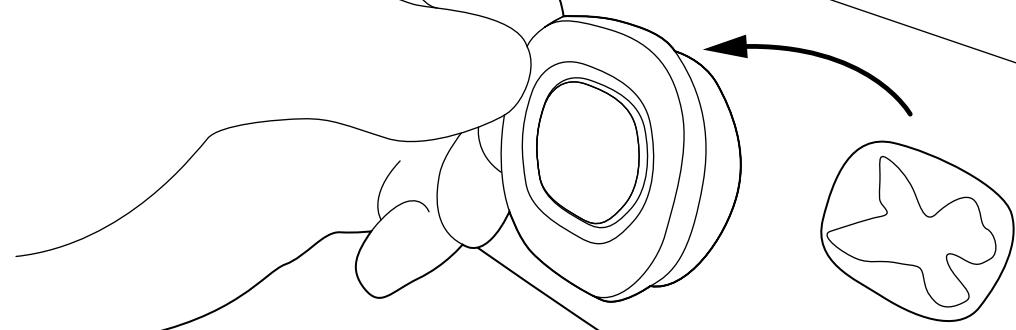
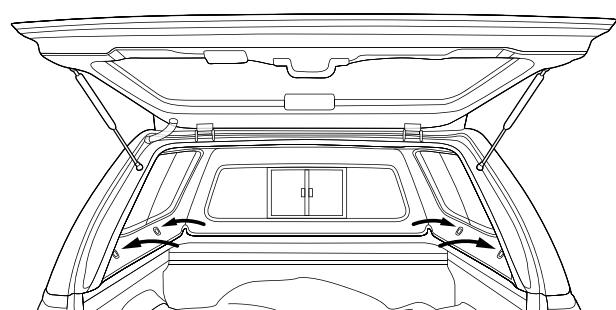


18 The process of C-Clamp installation S-Plus V2 canopy model with the vehicle



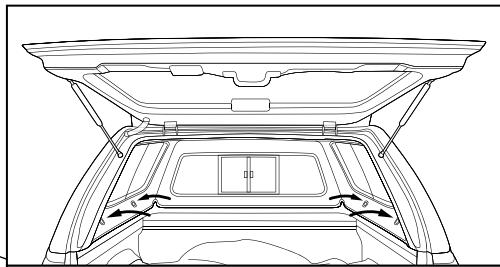
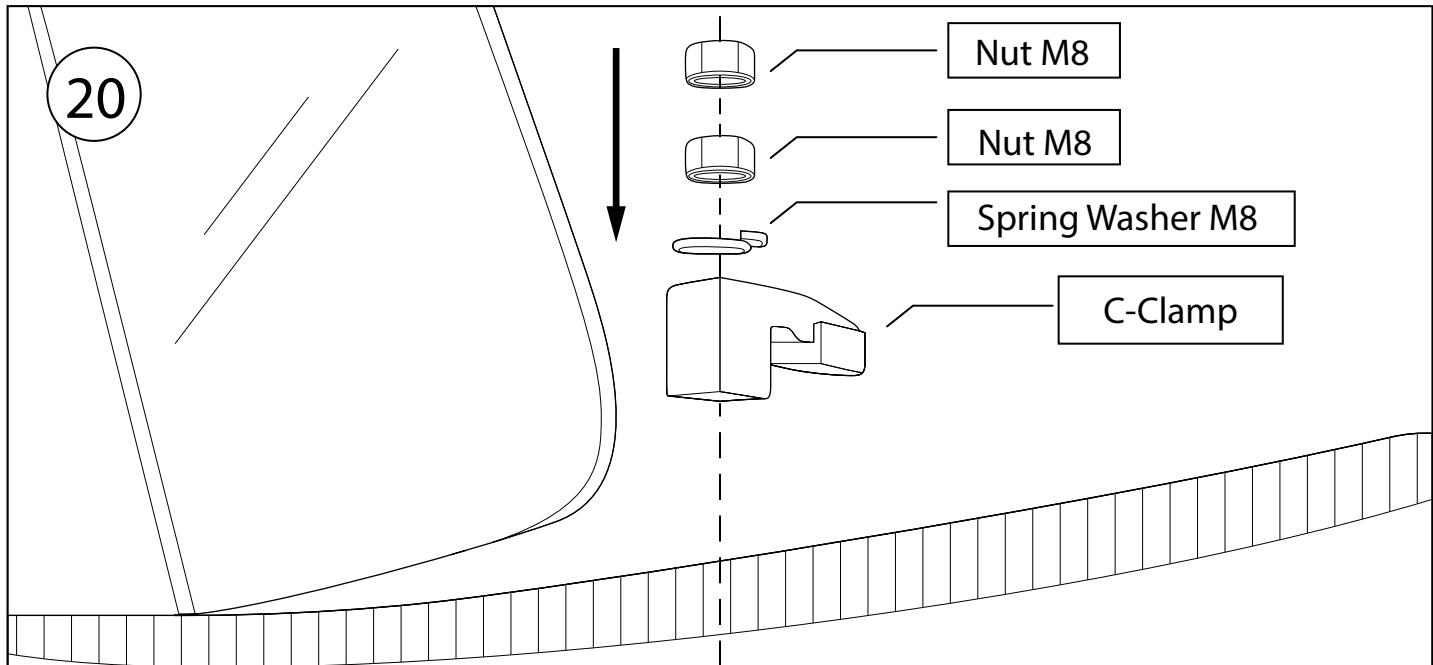
19

Open / take off the rubber plug

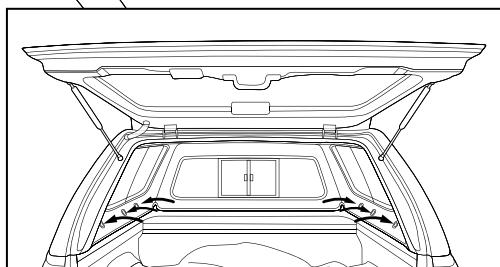




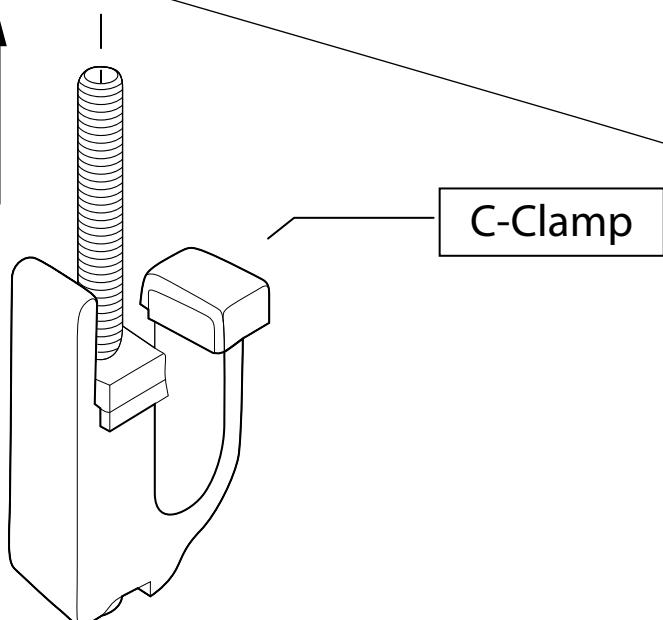
20



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



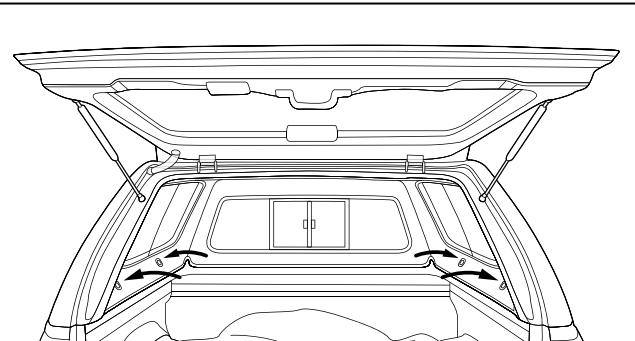
The process of C-Clamp installation onto the vehicle tub, all 6 positions (C-Cab).





20.1

Tighten bolts of C-Clamp by using pound wrench, with the pressure of 16 Nm.



T3

D-Cab

Tighten bolts of C-Clamp bolth with vehicle all 4 position

20.2

1

2

3

4

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

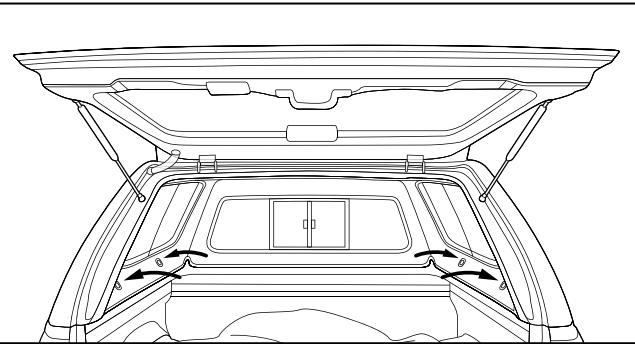
D-Cab

Steps of canopy C-Clamp bolts tightening onto vehicle

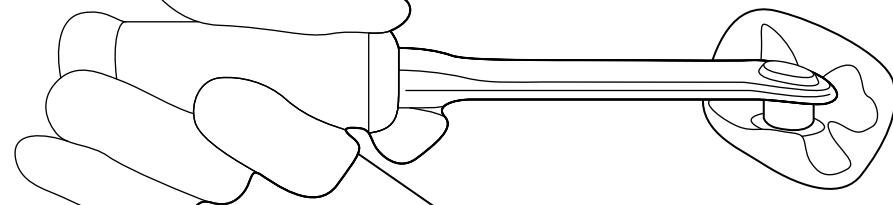


20.3

Tighten bolts of C-Clamp by using pound wrench, with the pressure of 16 Nm.



T3



C-Cab

Tighten bolts of C-Clamp bolth with vehicle all 6 position

20.4

1

2

3

4

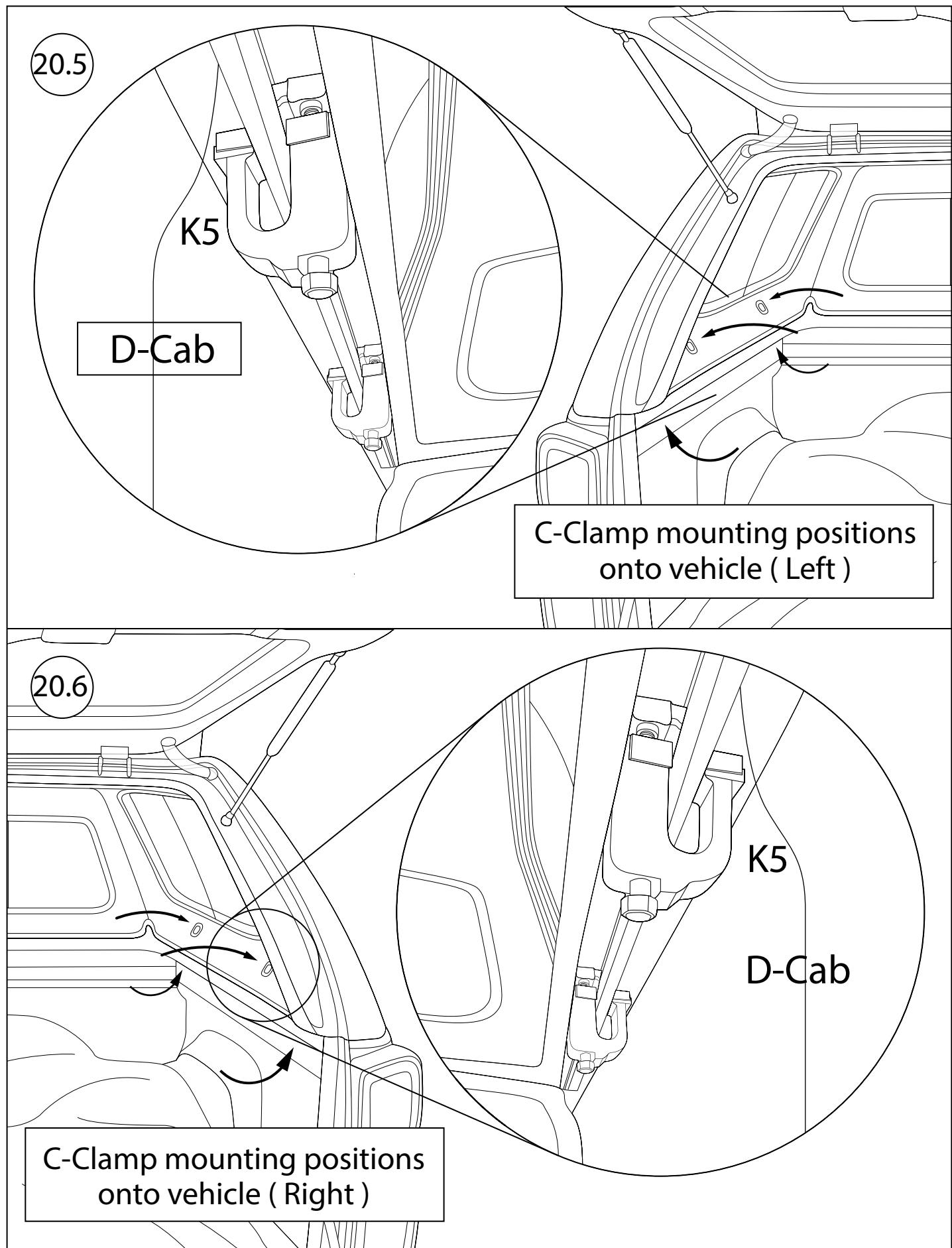
Caution : Before tighten bolts position 5 and 6
please make sure that distance between the rear
left right pole of the canopy is equal

C-Cab

Steps of canopy C-Clamp bolts tightening onto vehicle

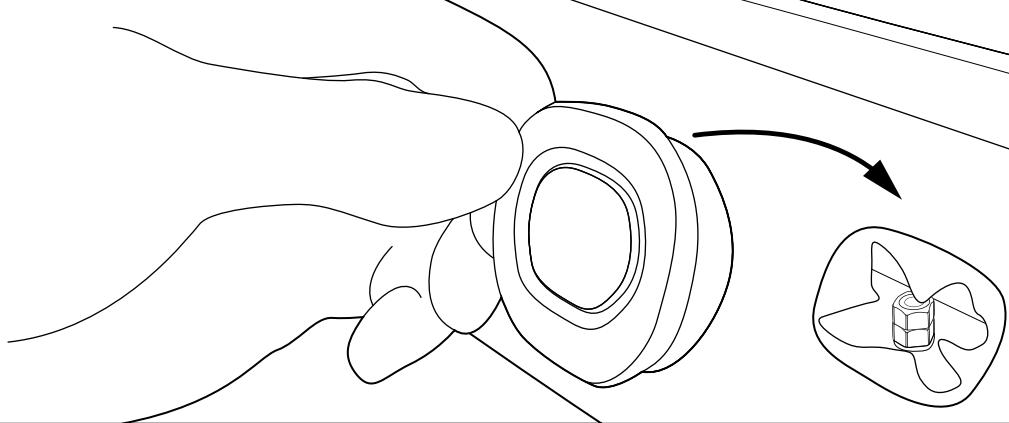
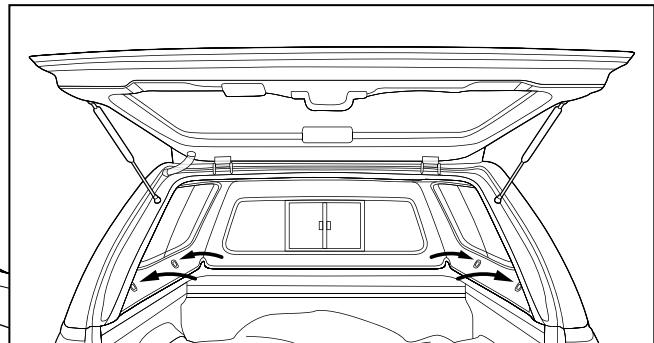


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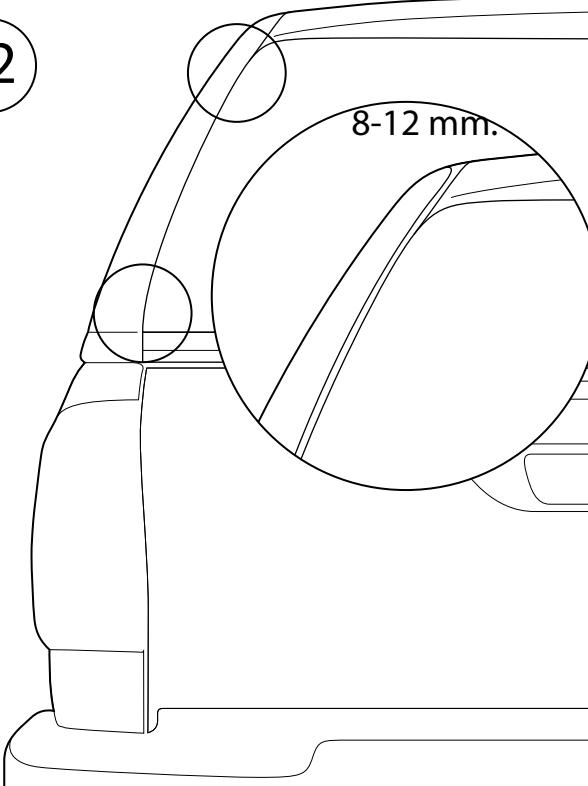


21

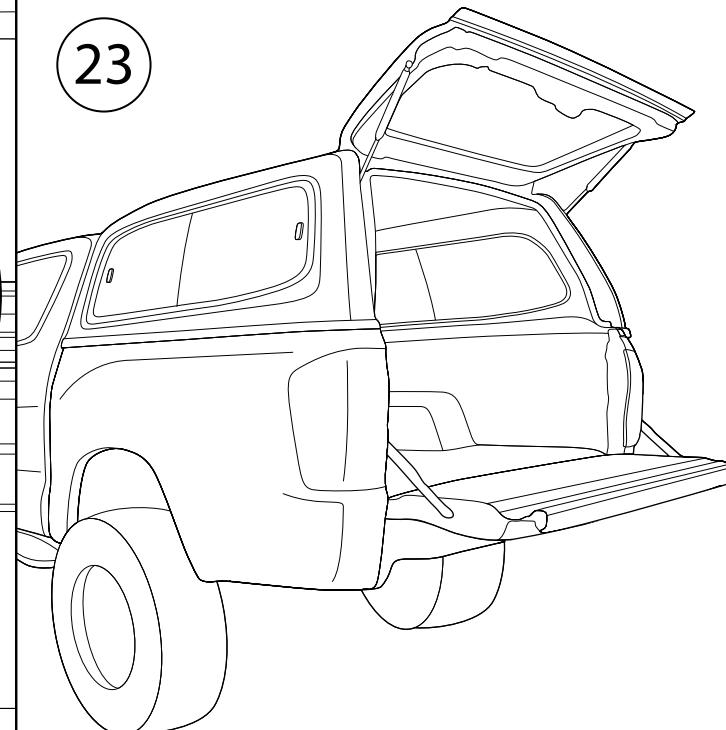


Close the rubber plug

22



23



Measure the distance between backdoor and rear pillar, to have the 8-12 mm. in along the line.

The process of canopy installation is completed

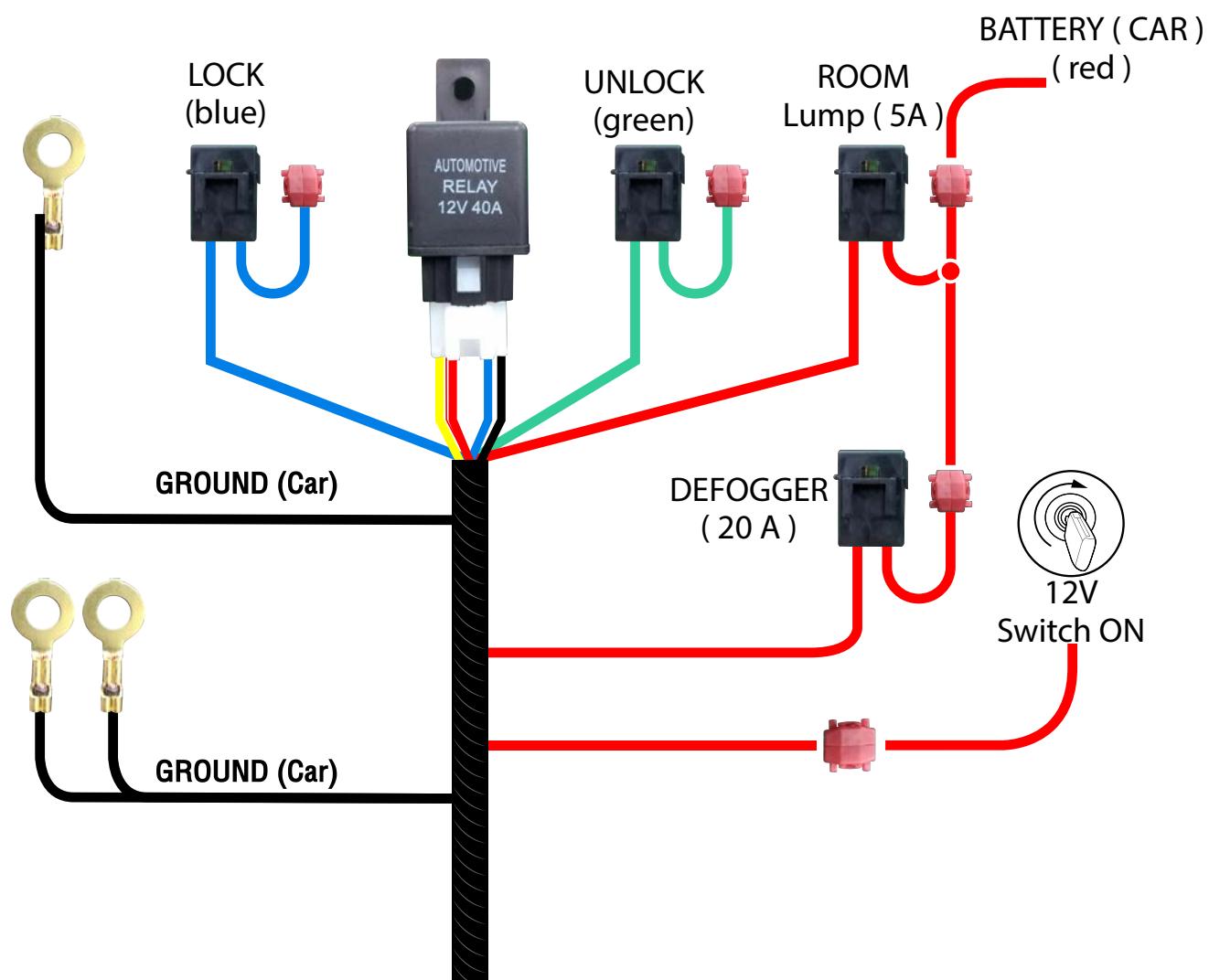


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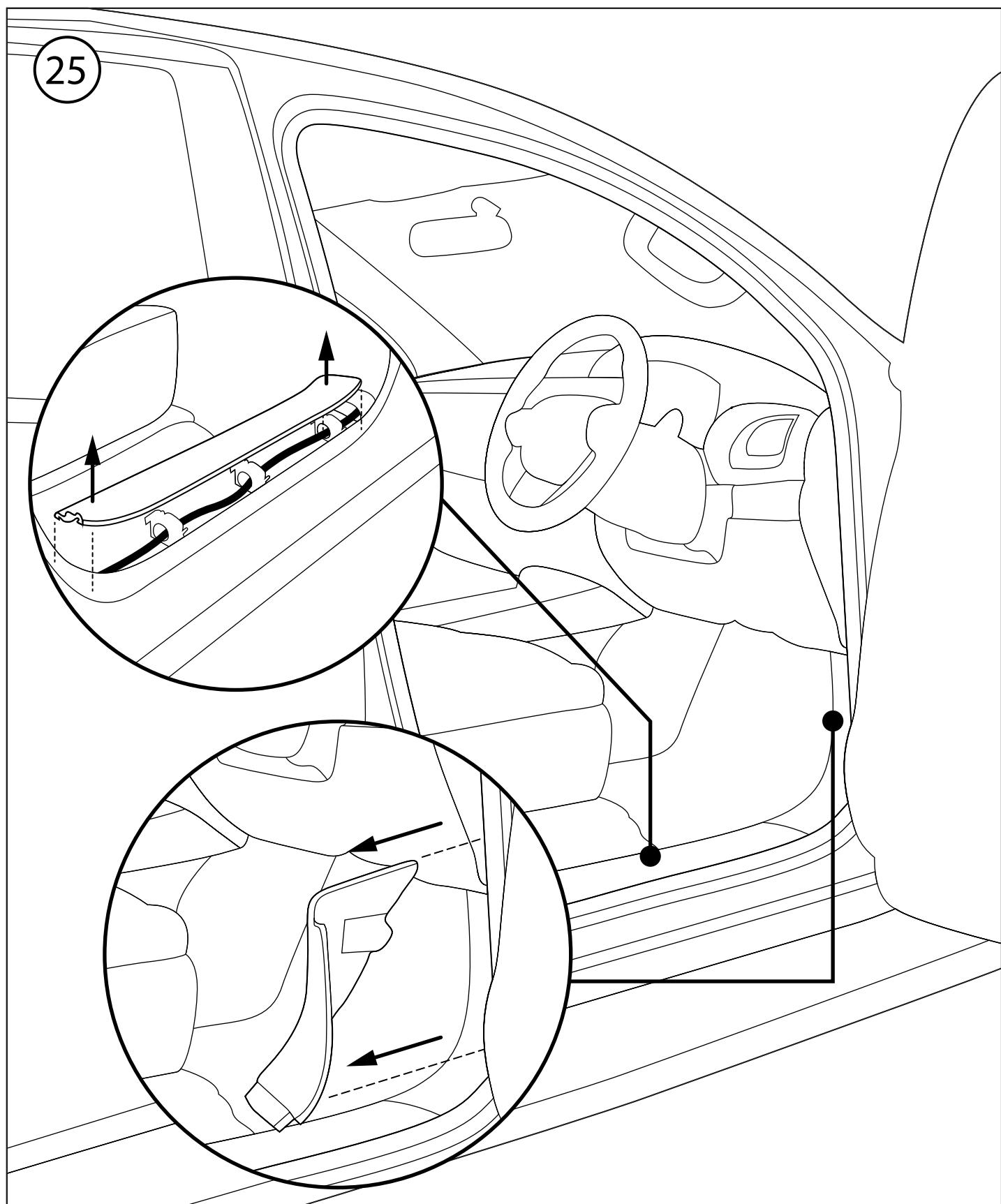
Electrical Installation



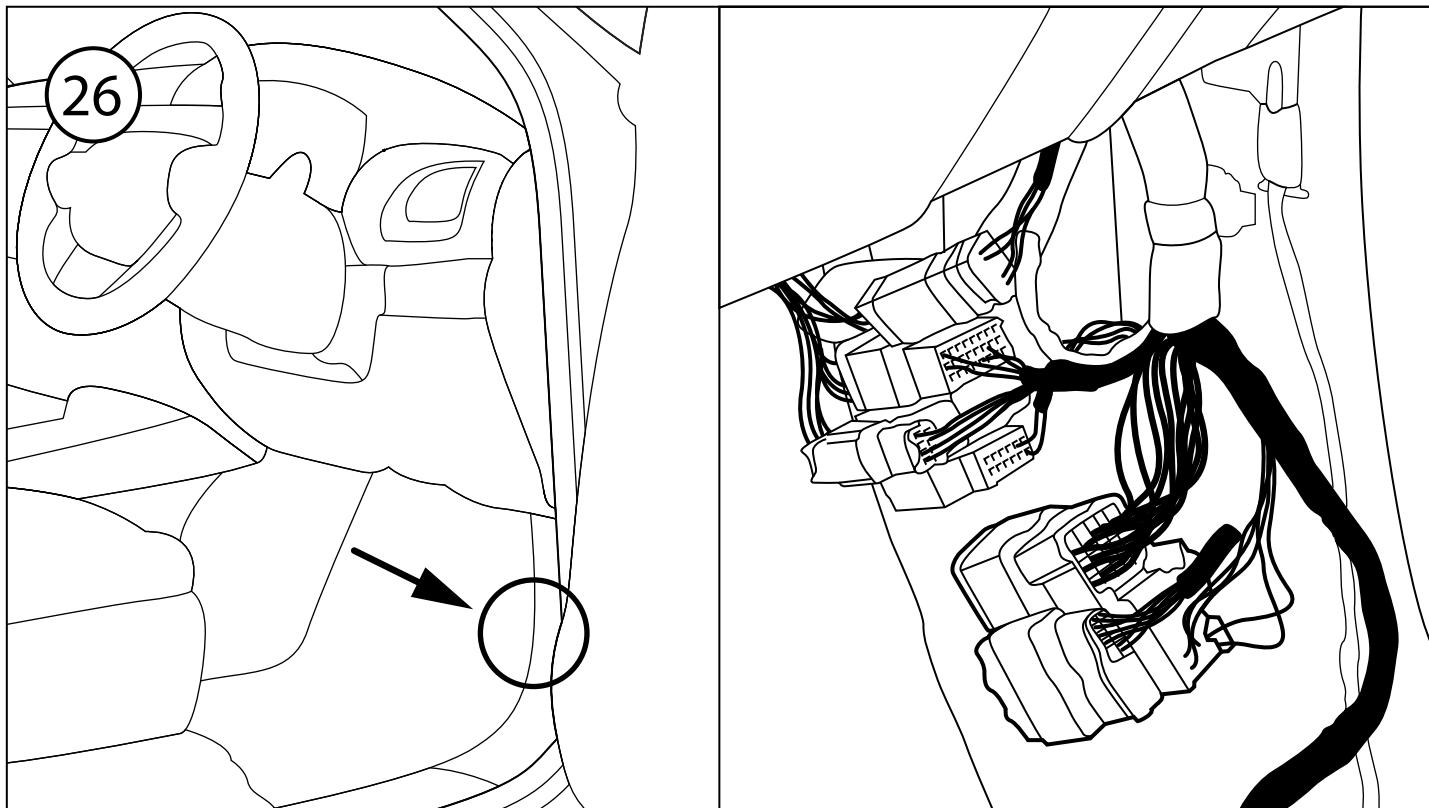
24



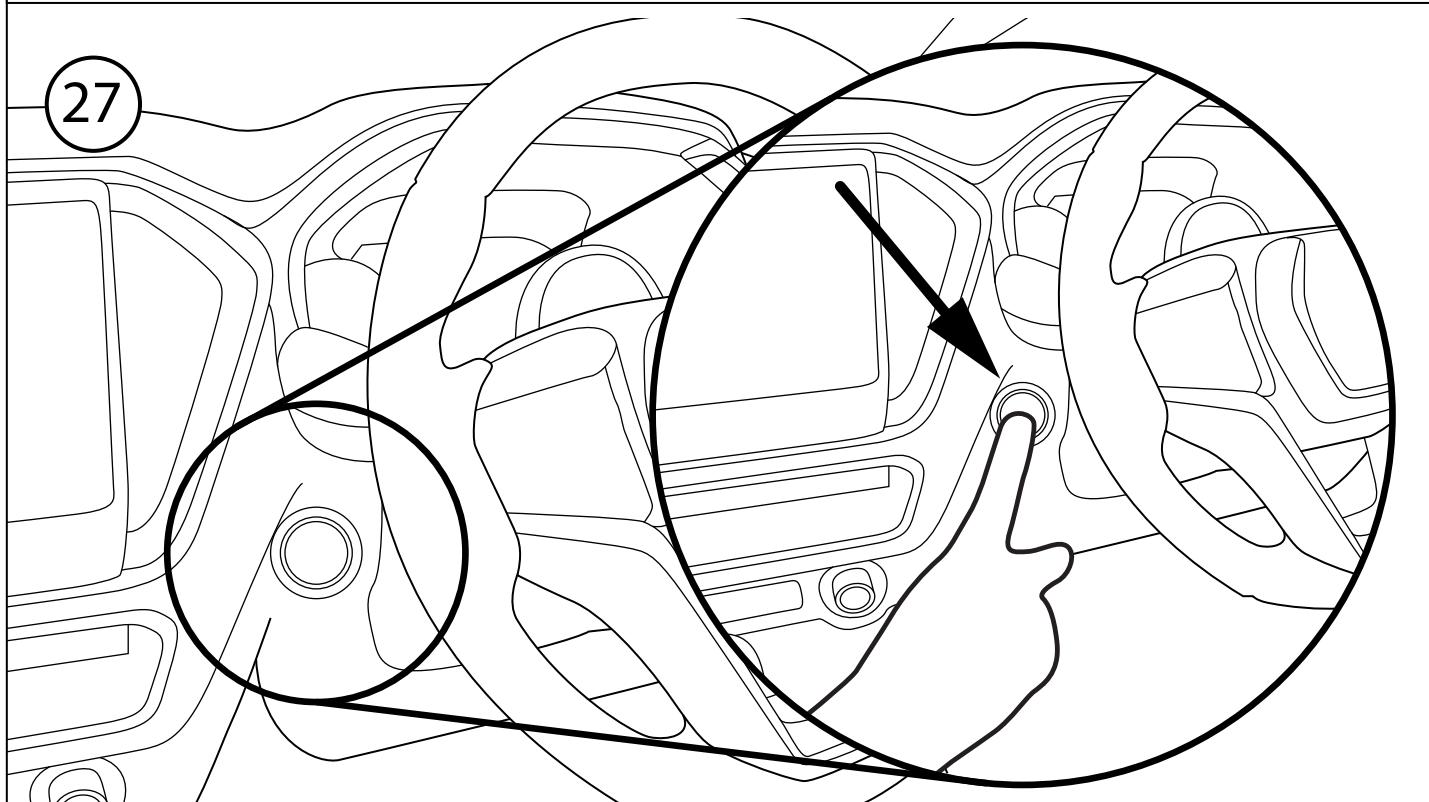
Harness Central Lock No.38



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



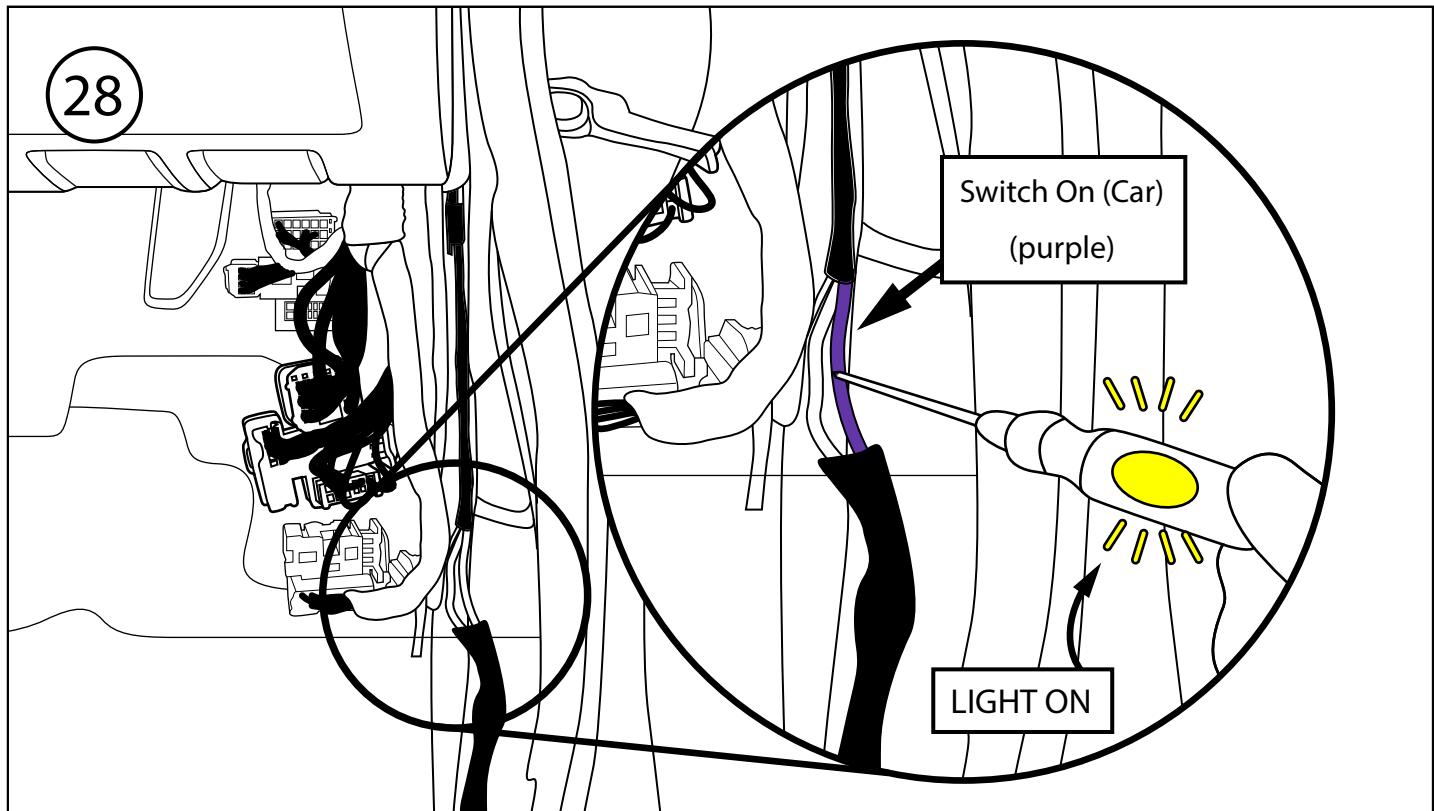
Control Box position that will connect with Harness Central Lock No.38



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

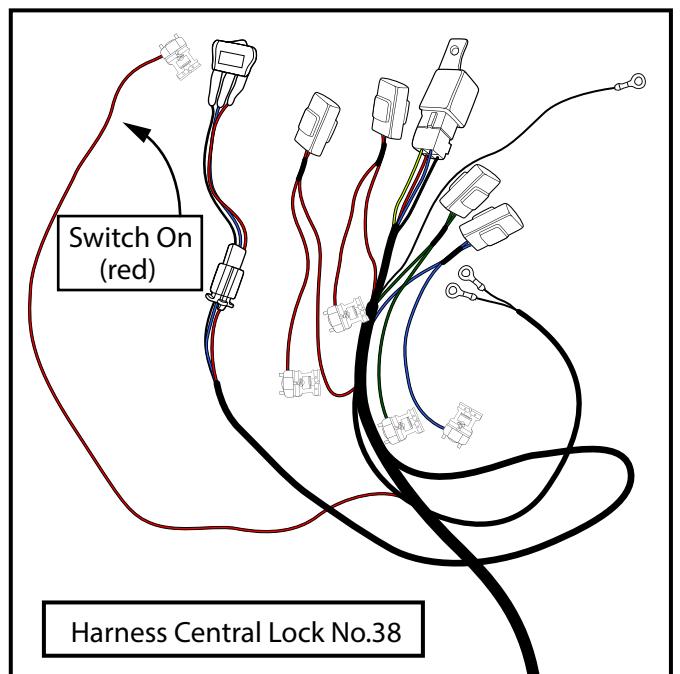
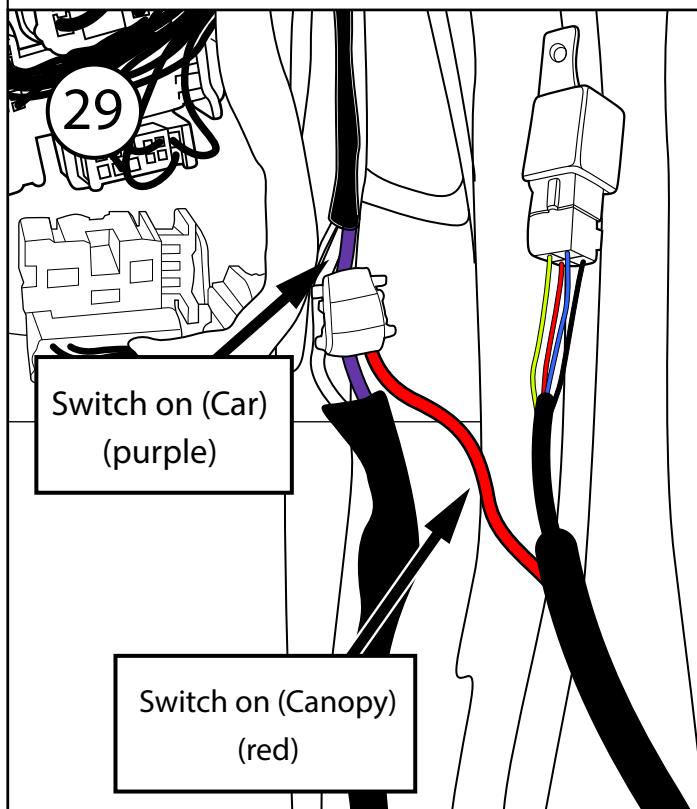


28

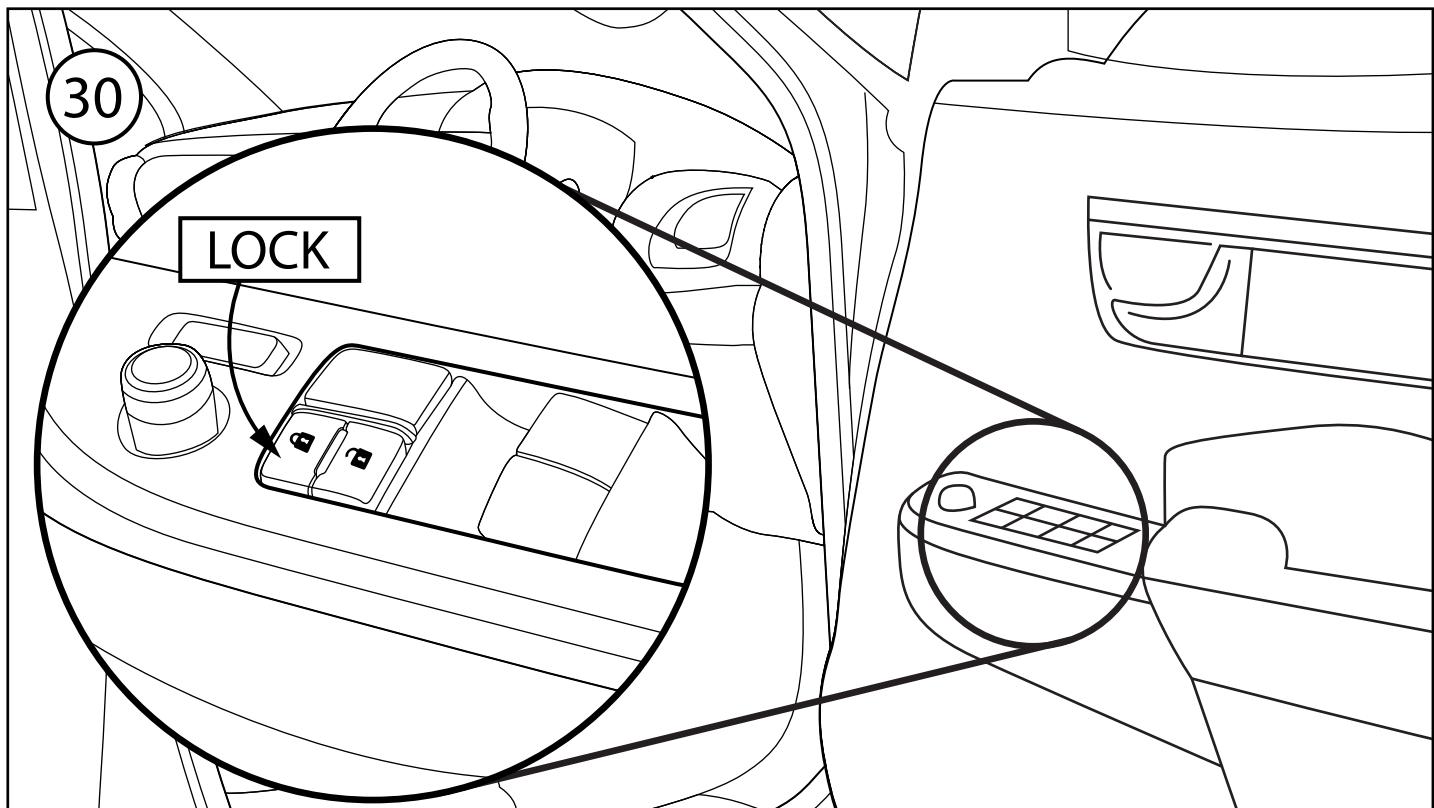


Checking the Switch On of vehicle position by using the Test Lamp kit.

29



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.



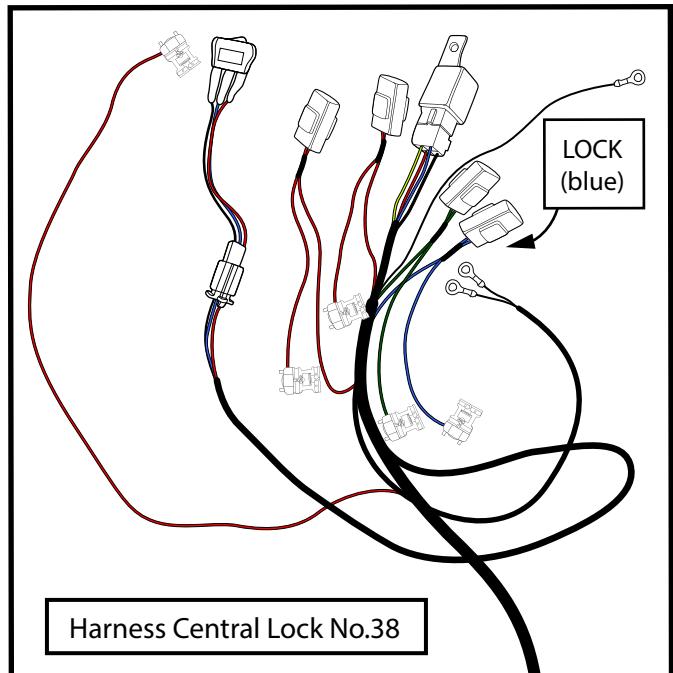
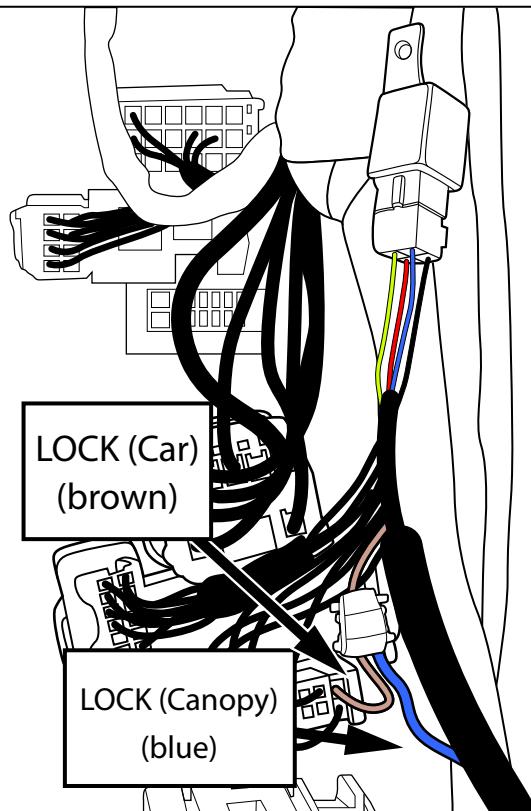
Step of Checking the light of the Central Lock (Lock), begin with push the Lock button at the door panel.



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

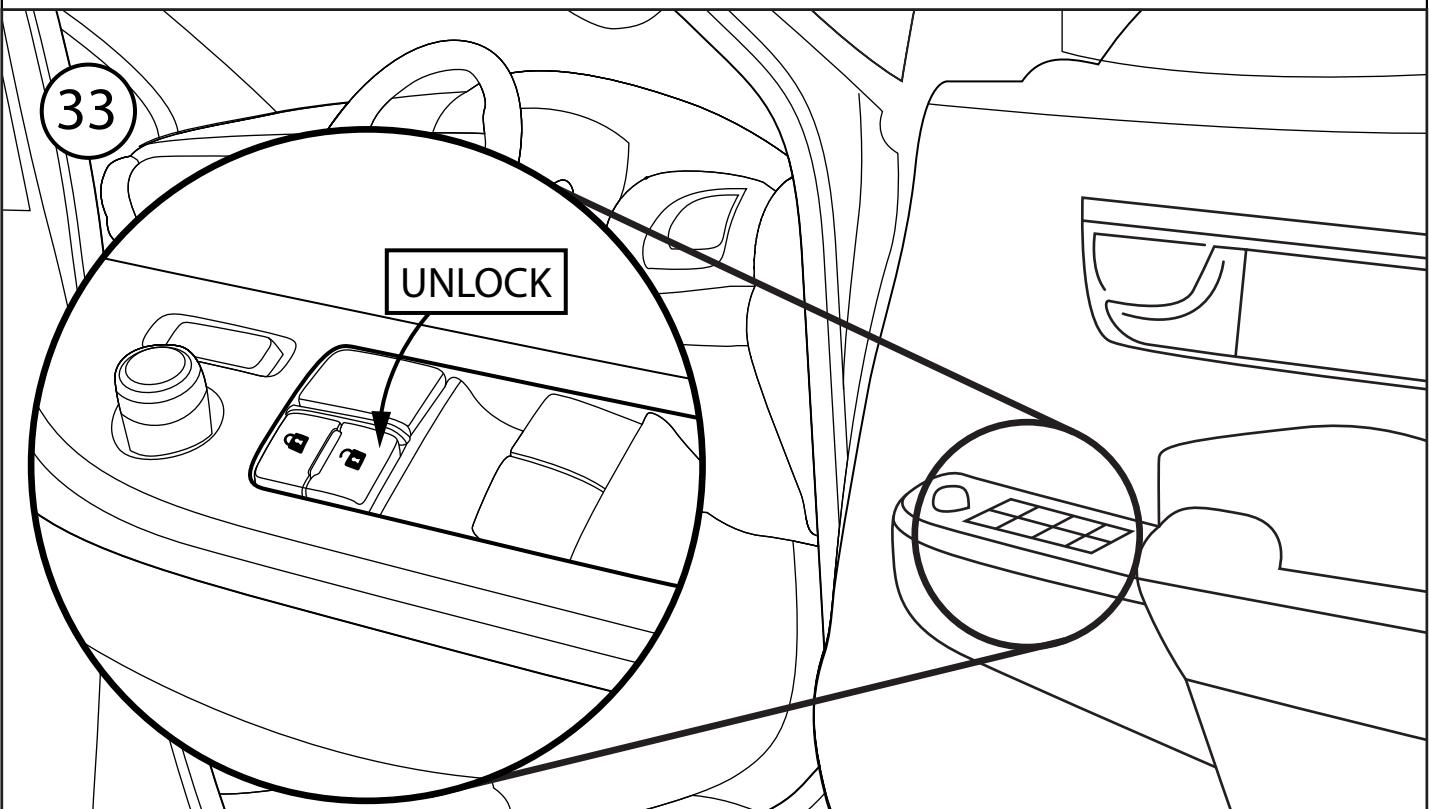


32



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

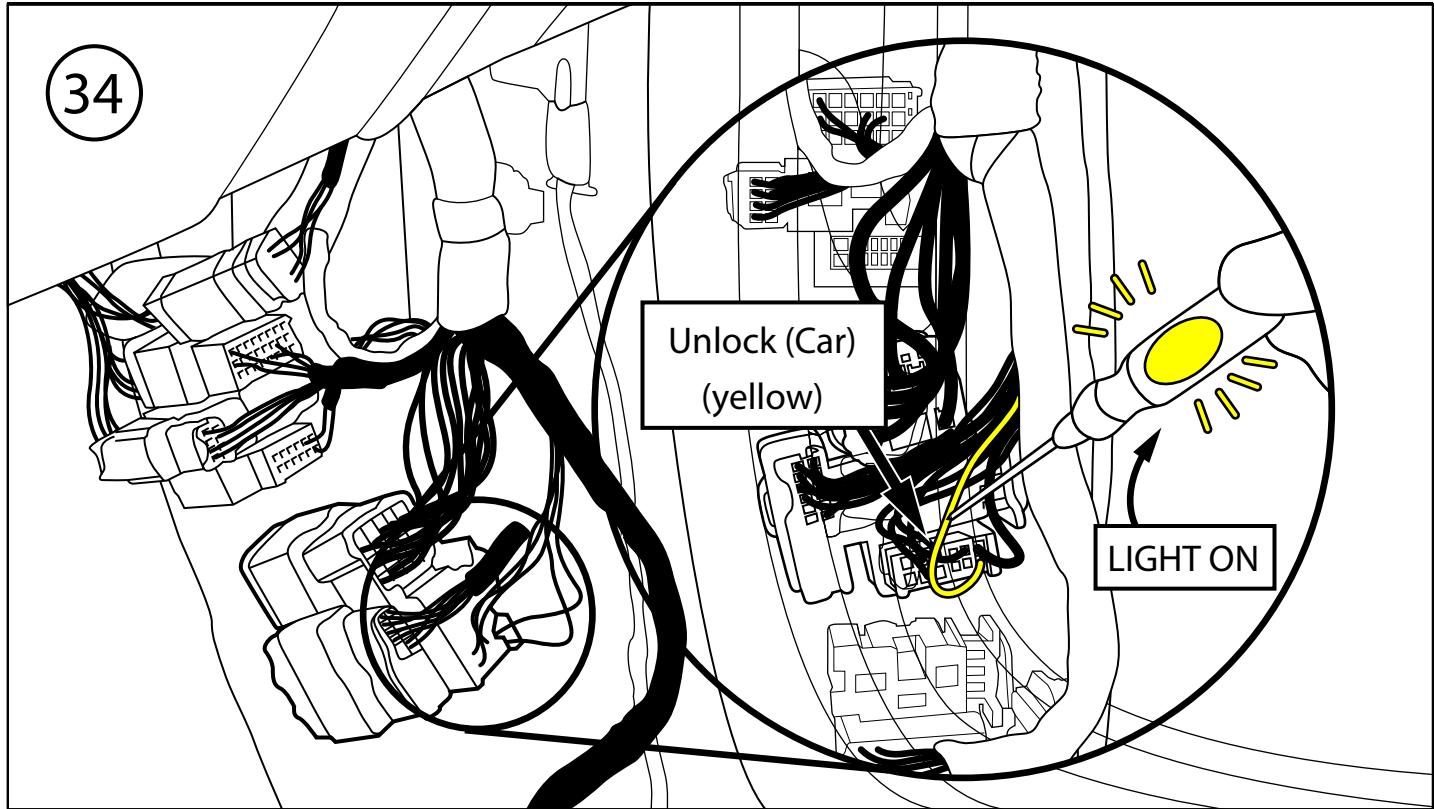
33



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

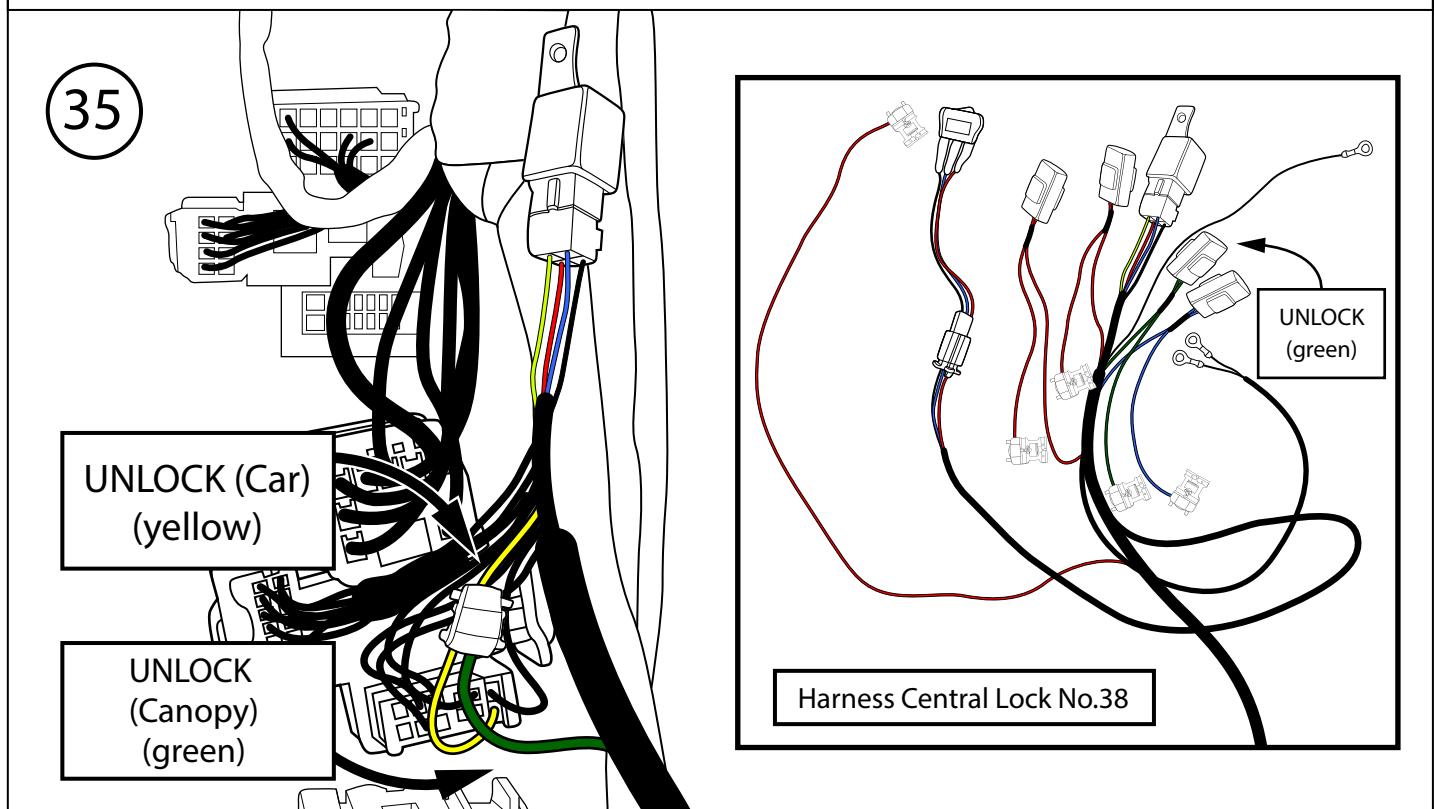


34



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

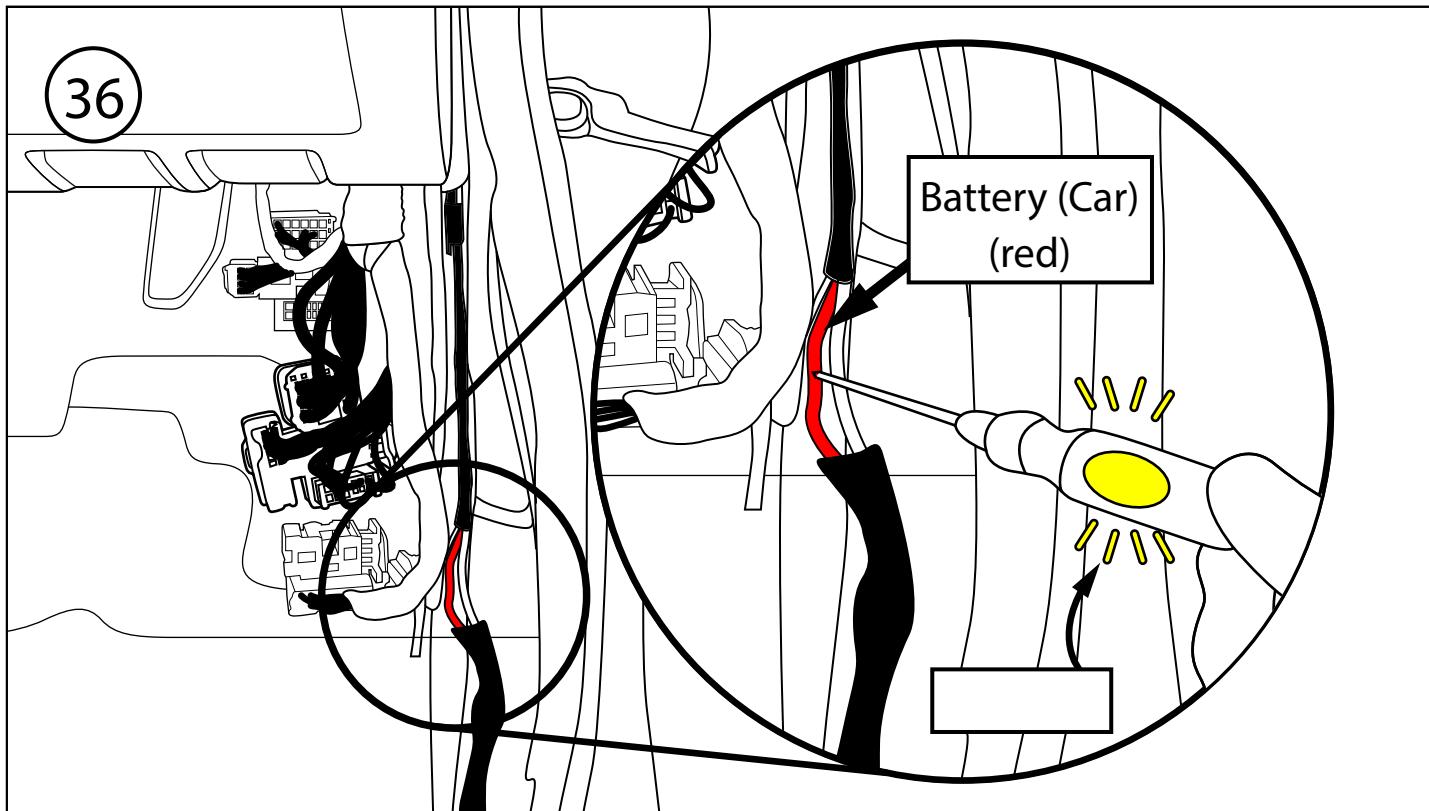
35



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).

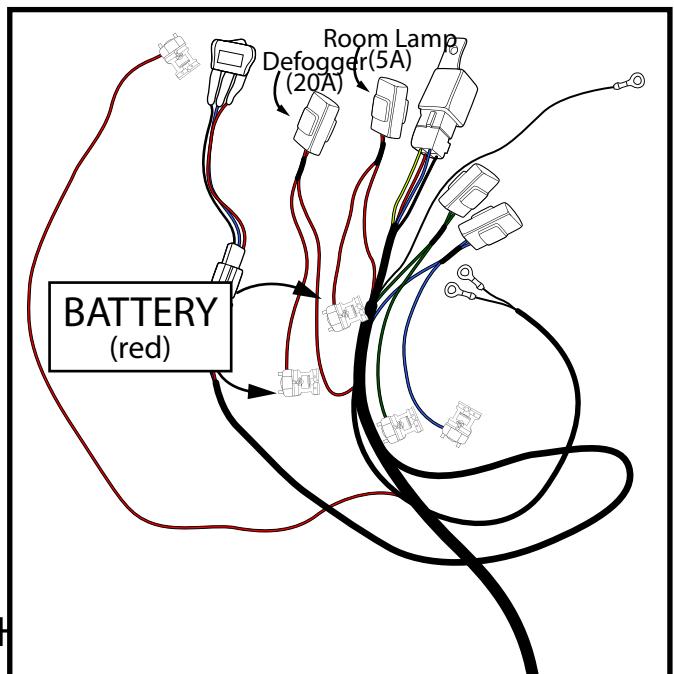
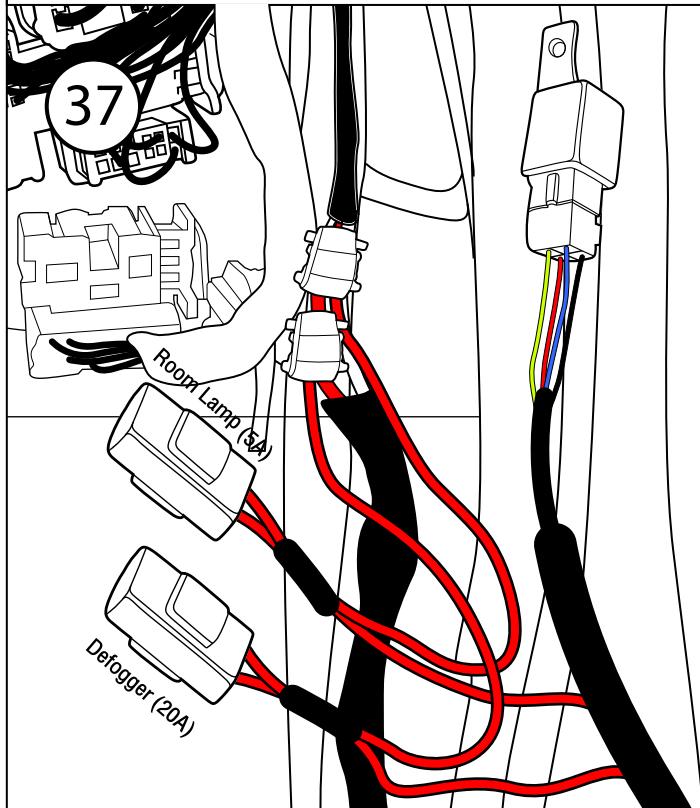


36



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

37



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.

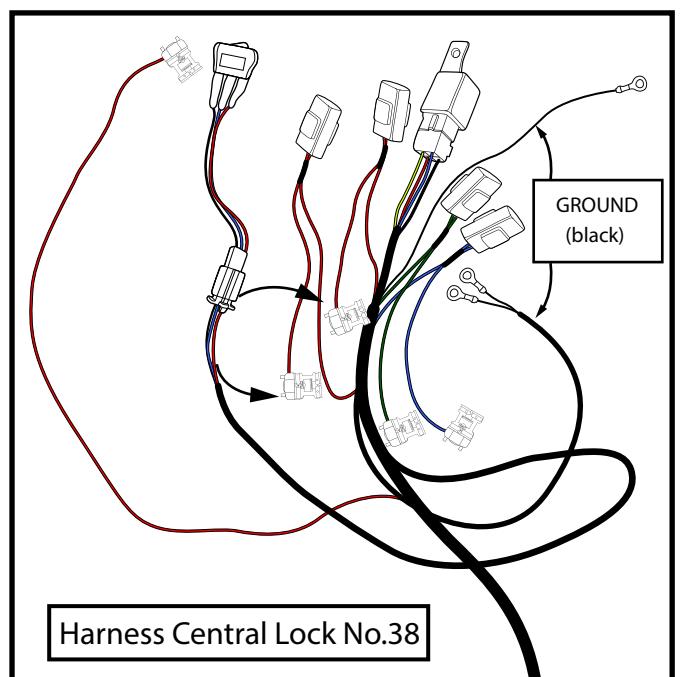
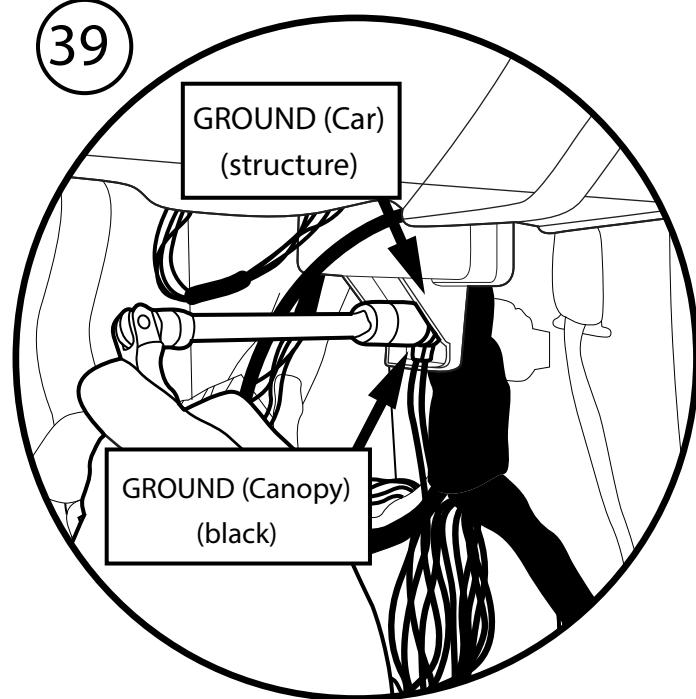


38

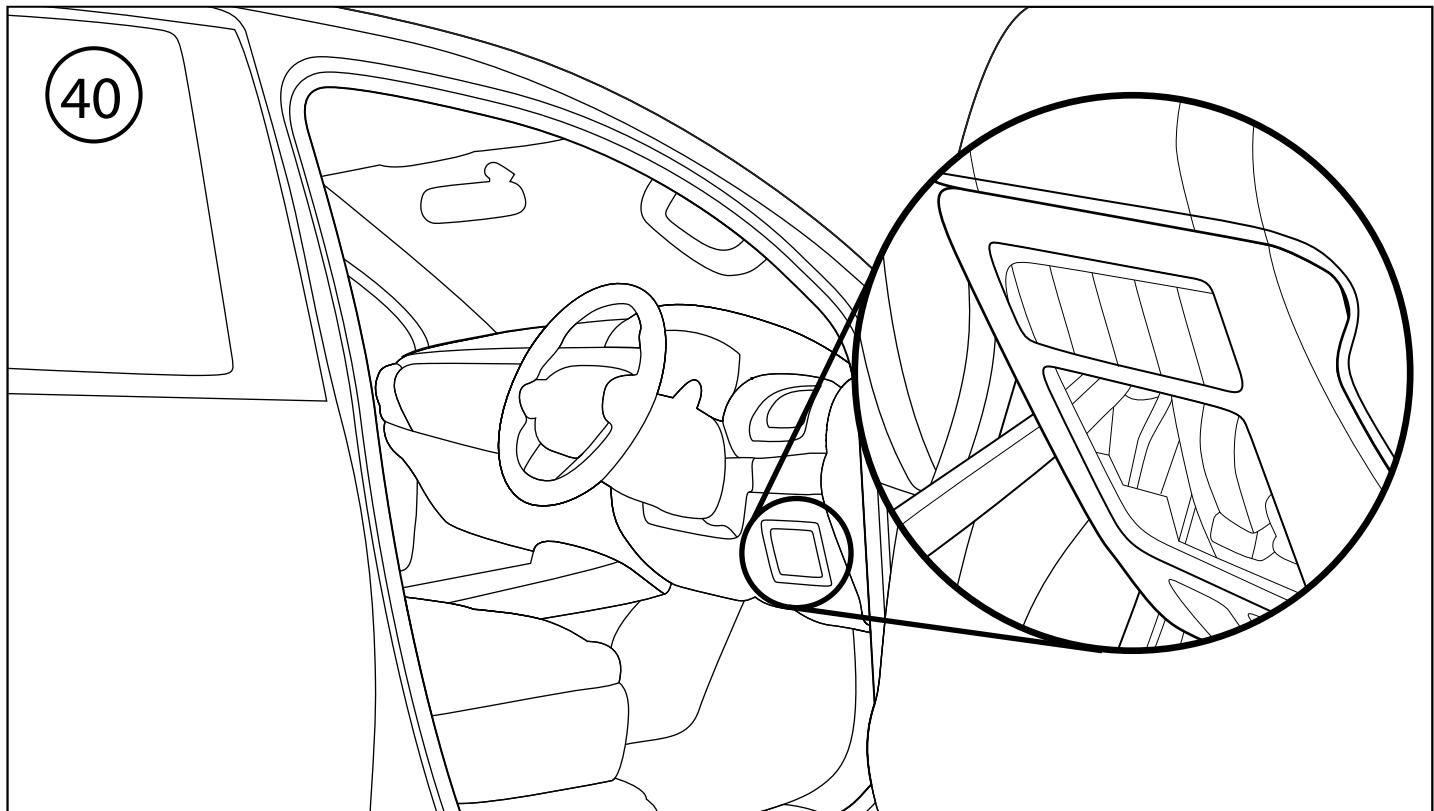


Connecting the Black Wiring (Ground) at the vehicle structure positon of the Harness Central Lock No.38.

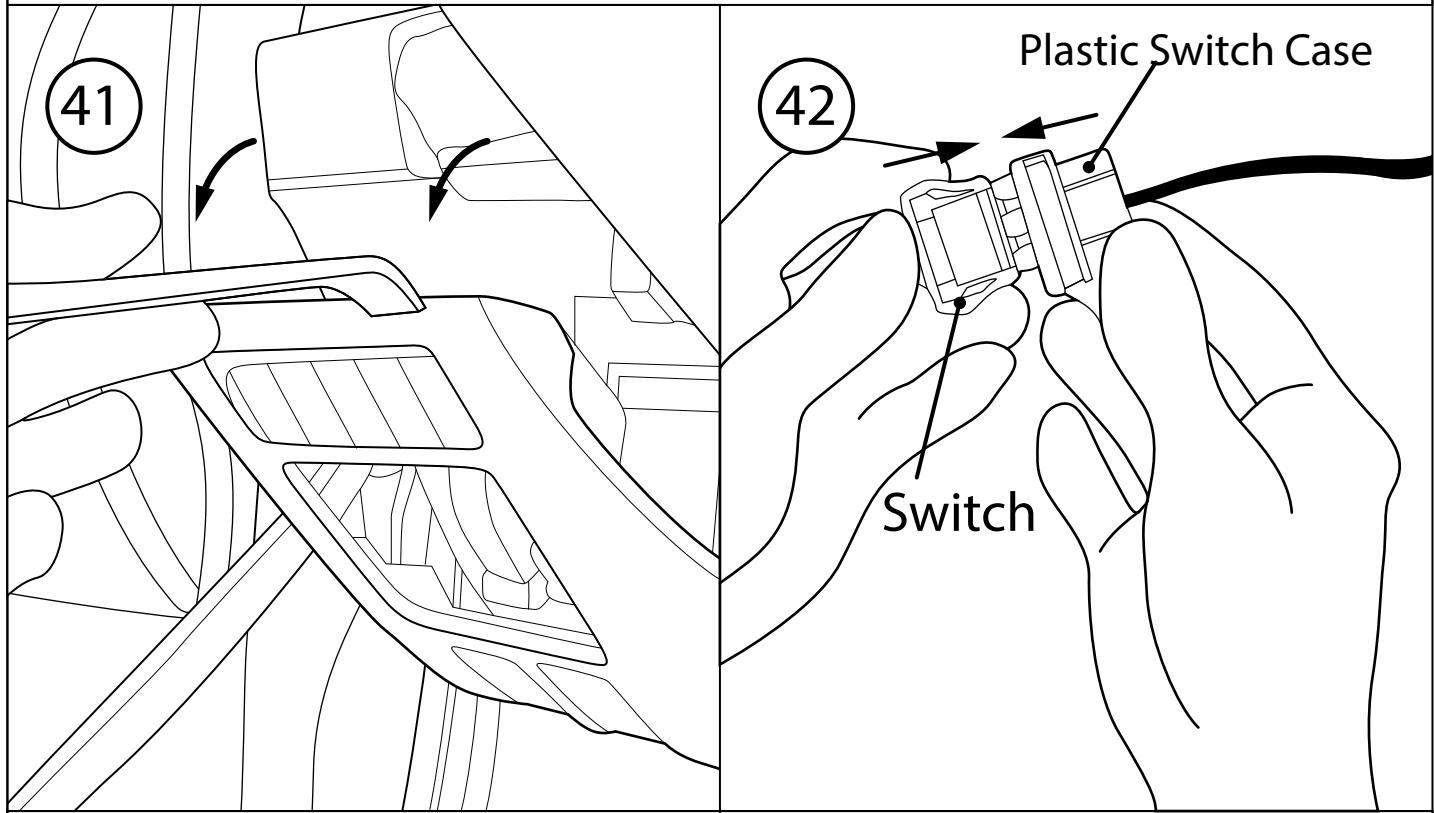
39



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

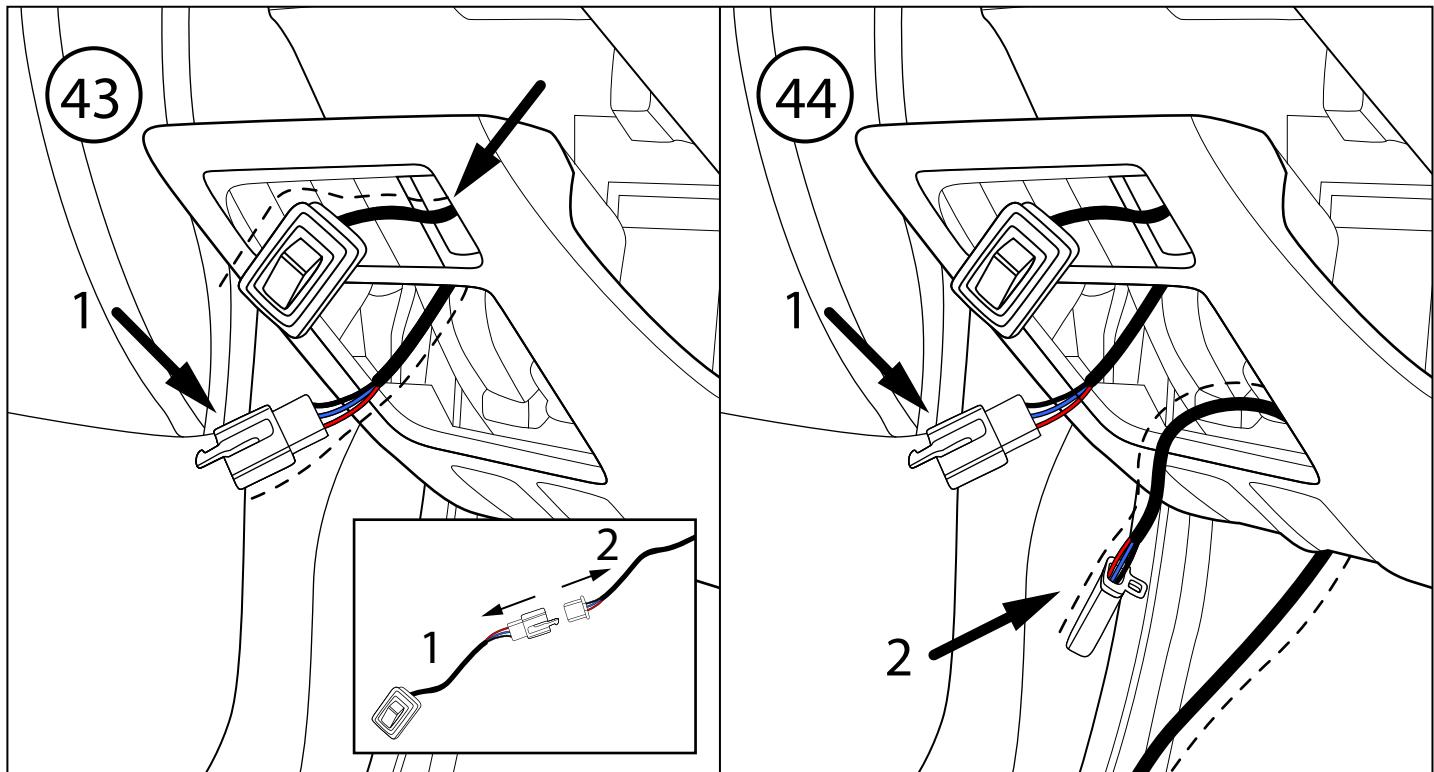


The position of Defogger Switch installation of the Harness Central Lock No.38.



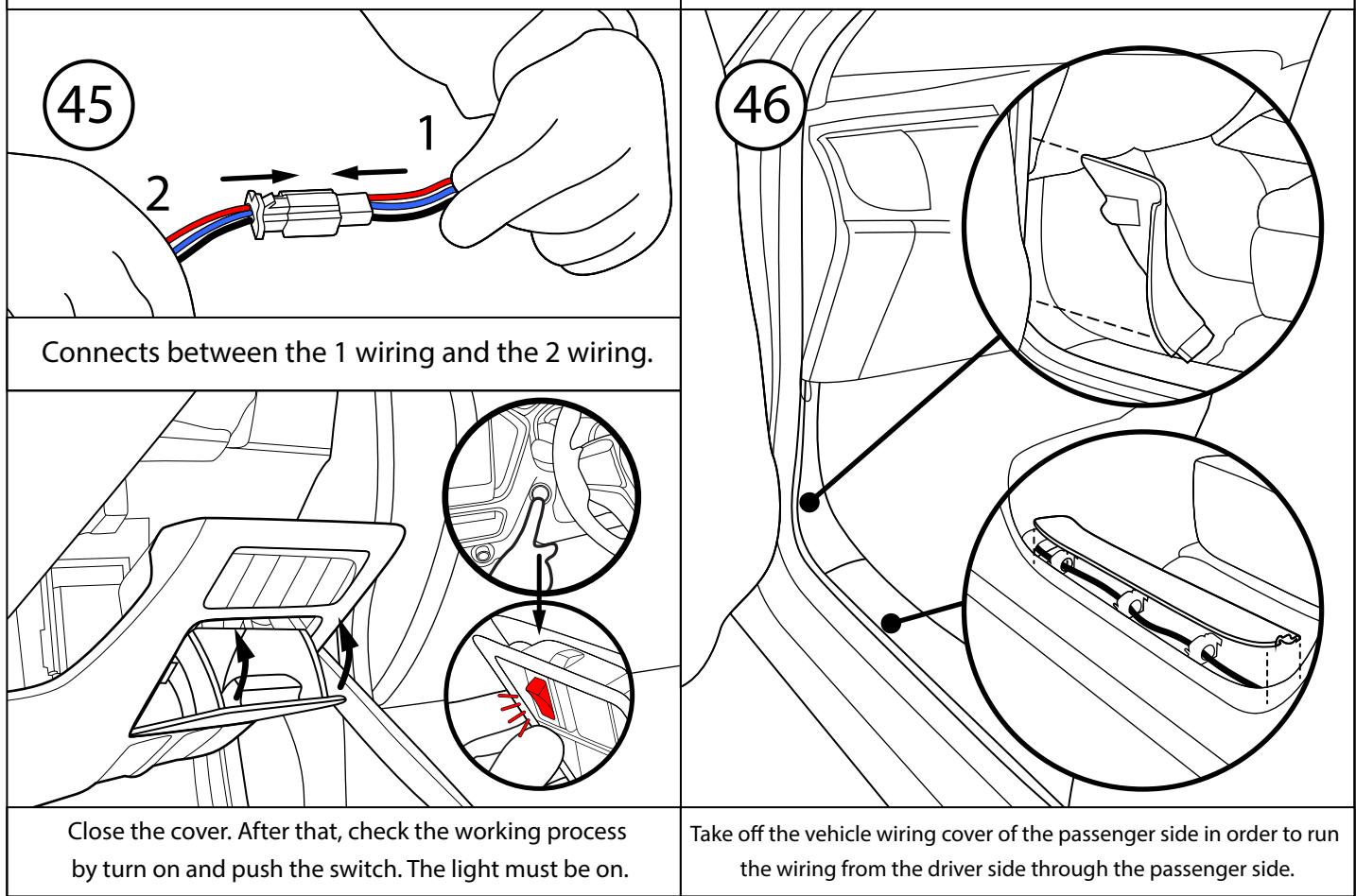
Take off the vehicle switch cover by using plastic tools.

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



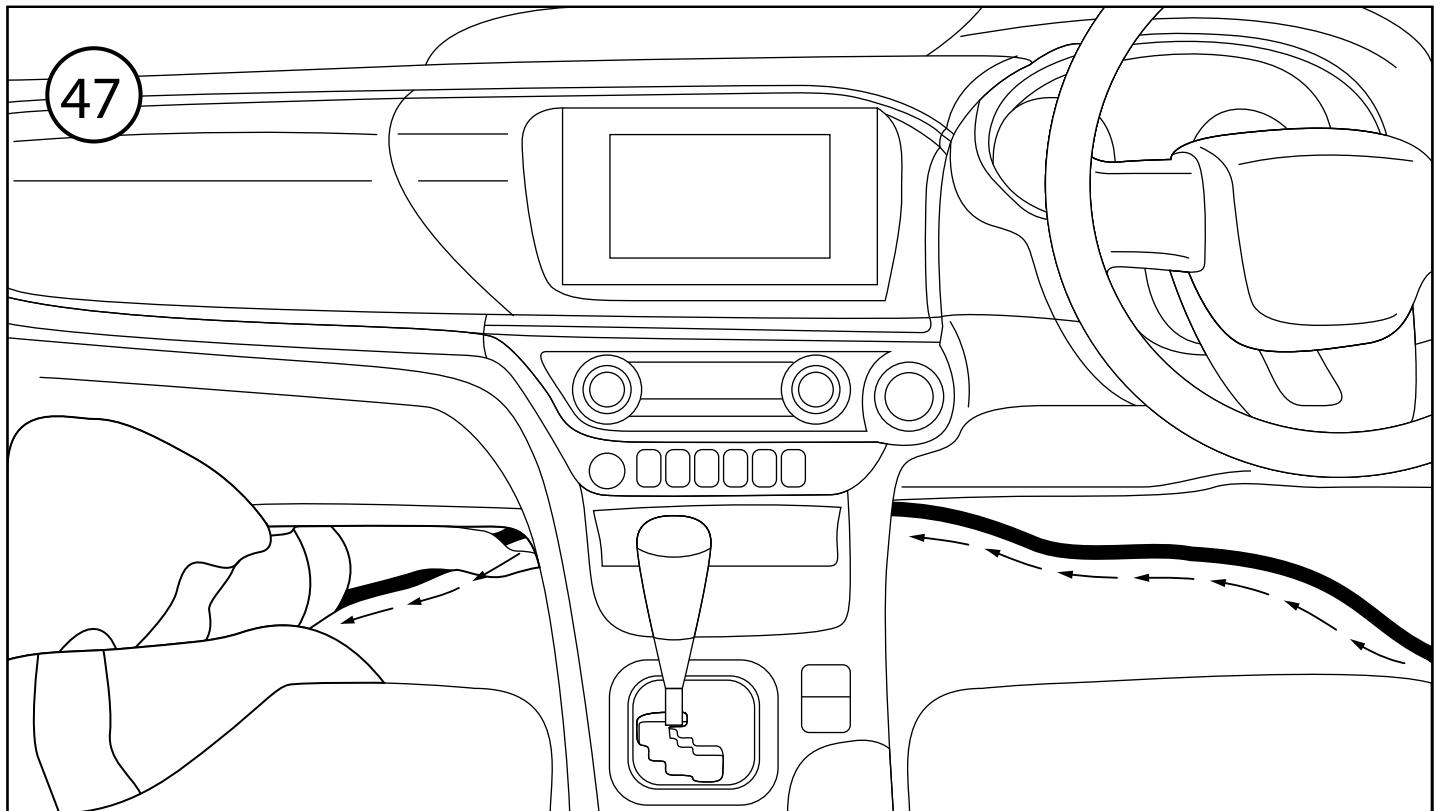
Running the Switch Wiring of the Harness Central Lock No.38 through the Switch Cover pipe of the vehicle.

After finish the installation step no.43 then run the 2 wiring via the switch cover pipe under the console.

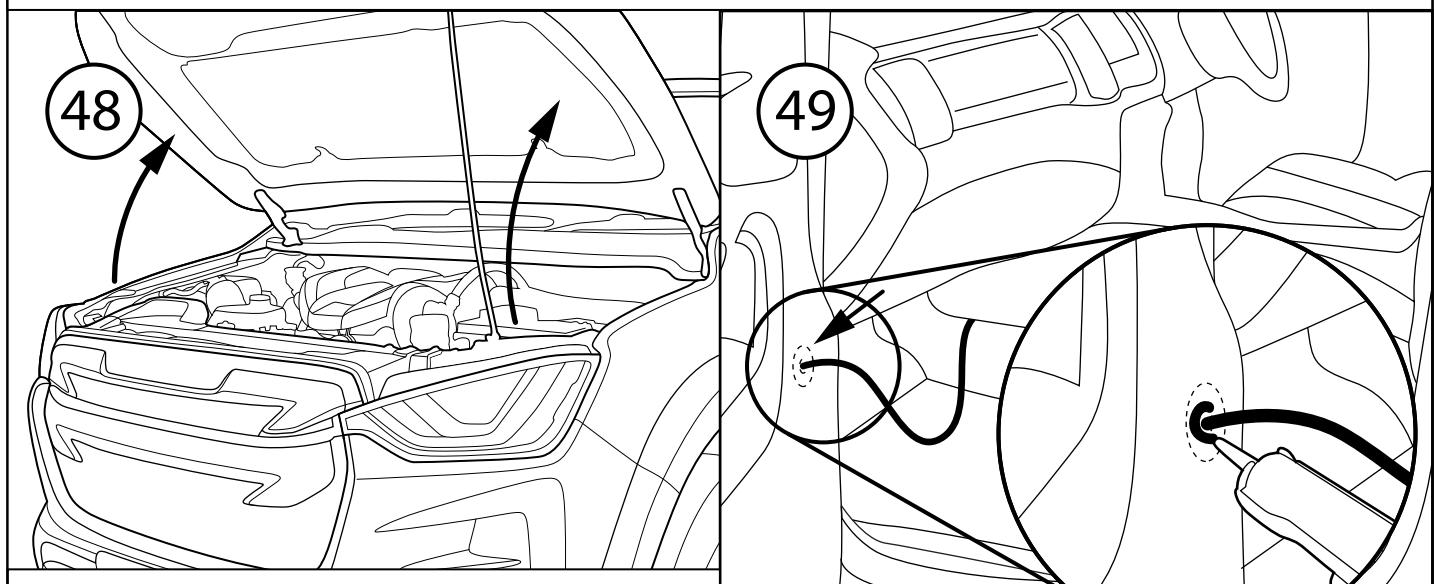


Close the cover. After that, check the working process by turn on and push the switch. The light must be on.

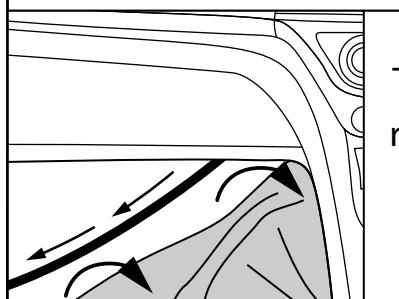
Take off the vehicle wiring cover of the passenger side in order to run the wiring from the driver side through the passenger side.



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



Open the bonnet of car

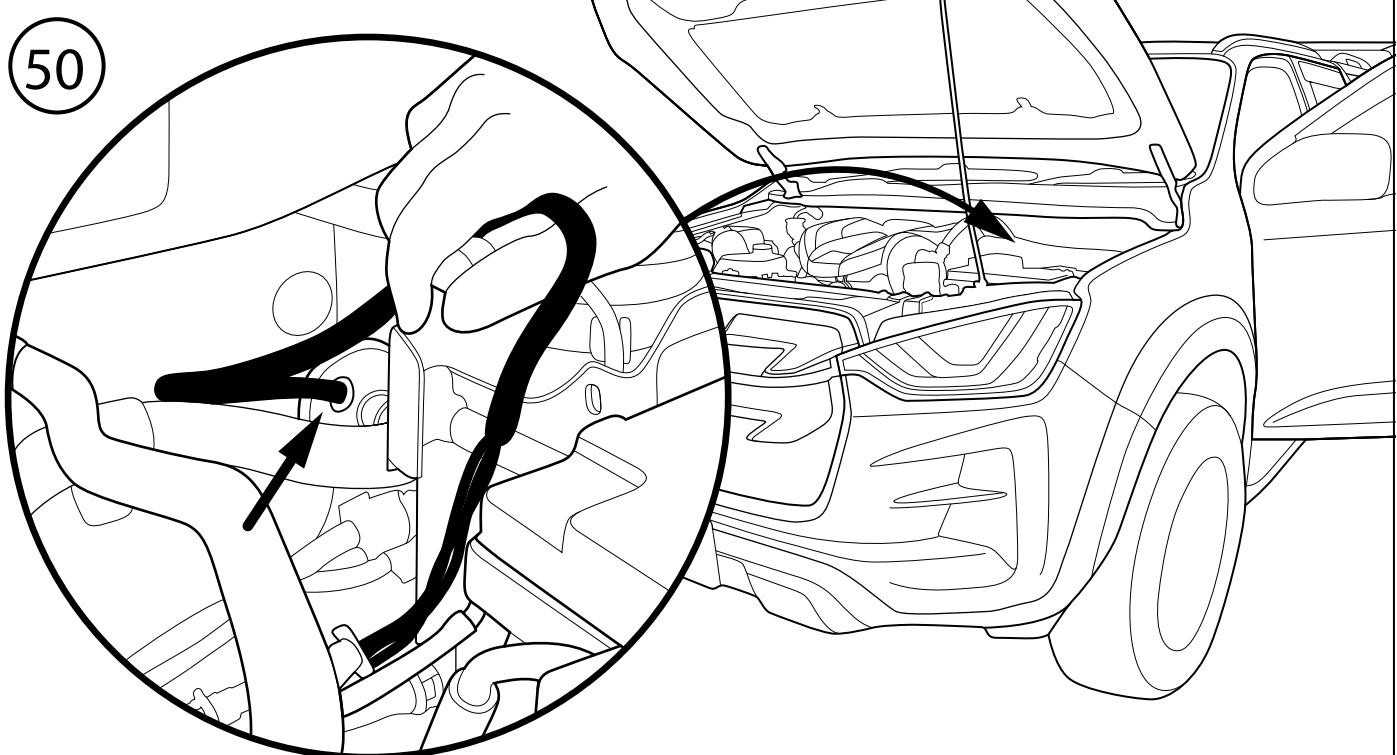


Take off the vehicle
rubber pad in order
to keep/hide
the wiring.

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

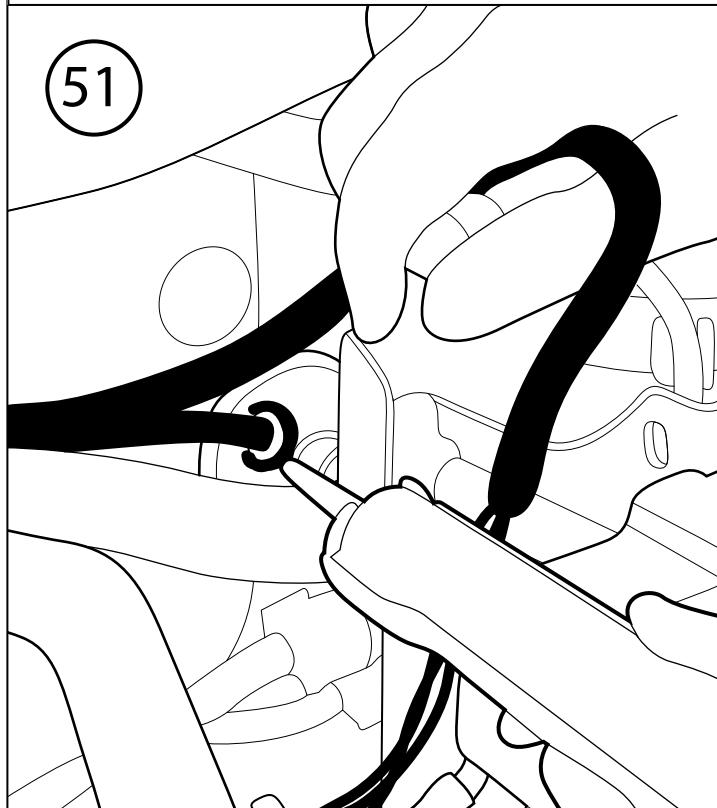


50

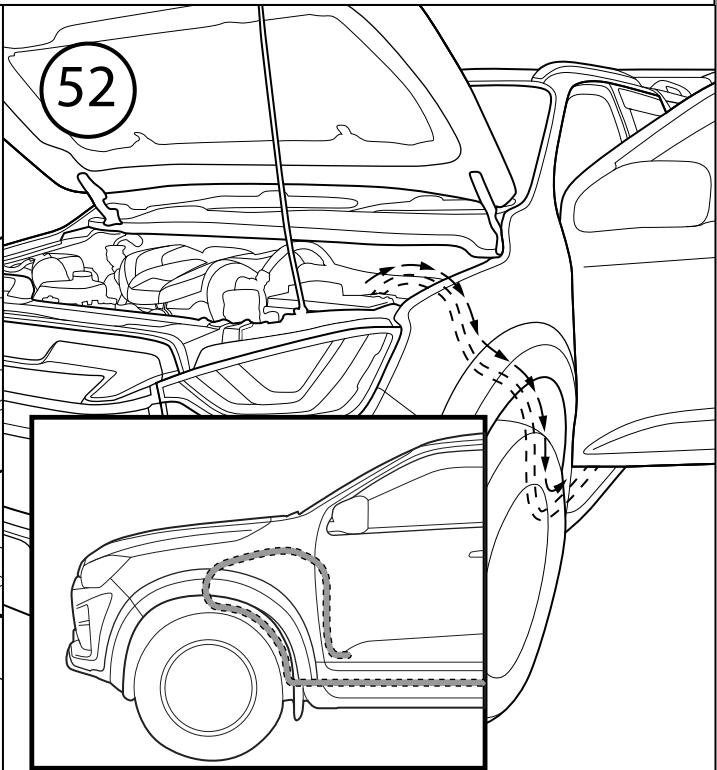


The Step of Harness Central Lock No.38 wiring running picture for the Isuzu D-Max 2021.

51



52



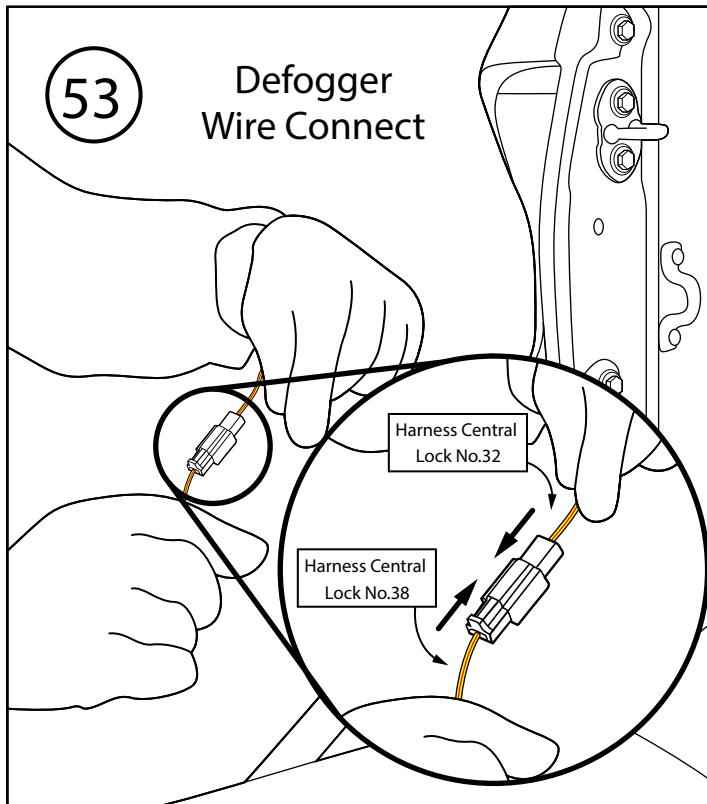
Silicone seal the wiring hole process.

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



53

Defogger
Wire Connect



The step of connecting the Defogger (YL/RD) wiring of the Harness Central Lock No.32 with the Defogger (YL/RD) wiring of the Harness Central Lock No.38.

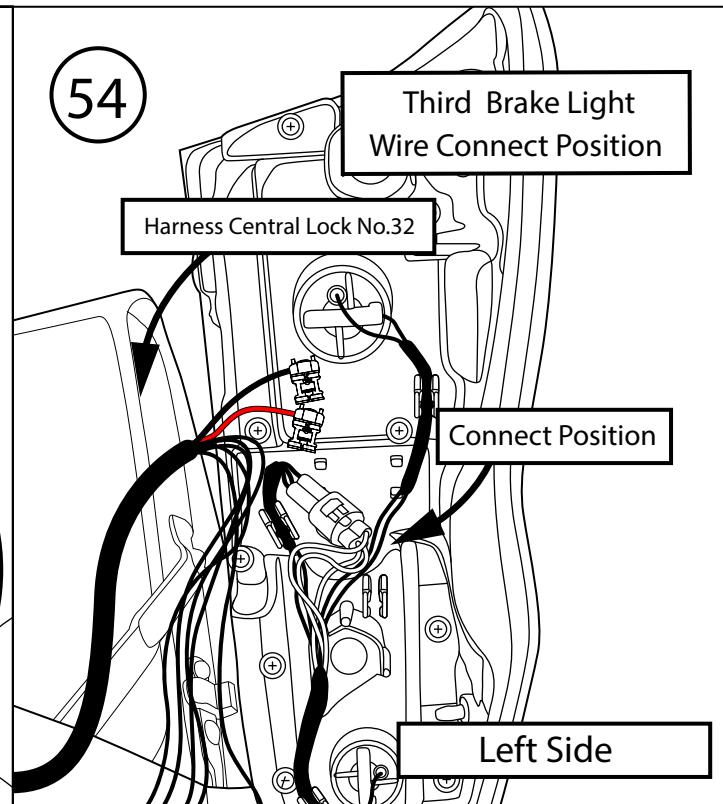
54

Third Brake Light
Wire Connect Position

Harness Central Lock No.32

Connect Position

Left Side



The position of connecting the Red and Black Wiring of the Third Brake Light (RD,BK) circuit of the Harness Central Lock No.32 with the vehicle rear light.

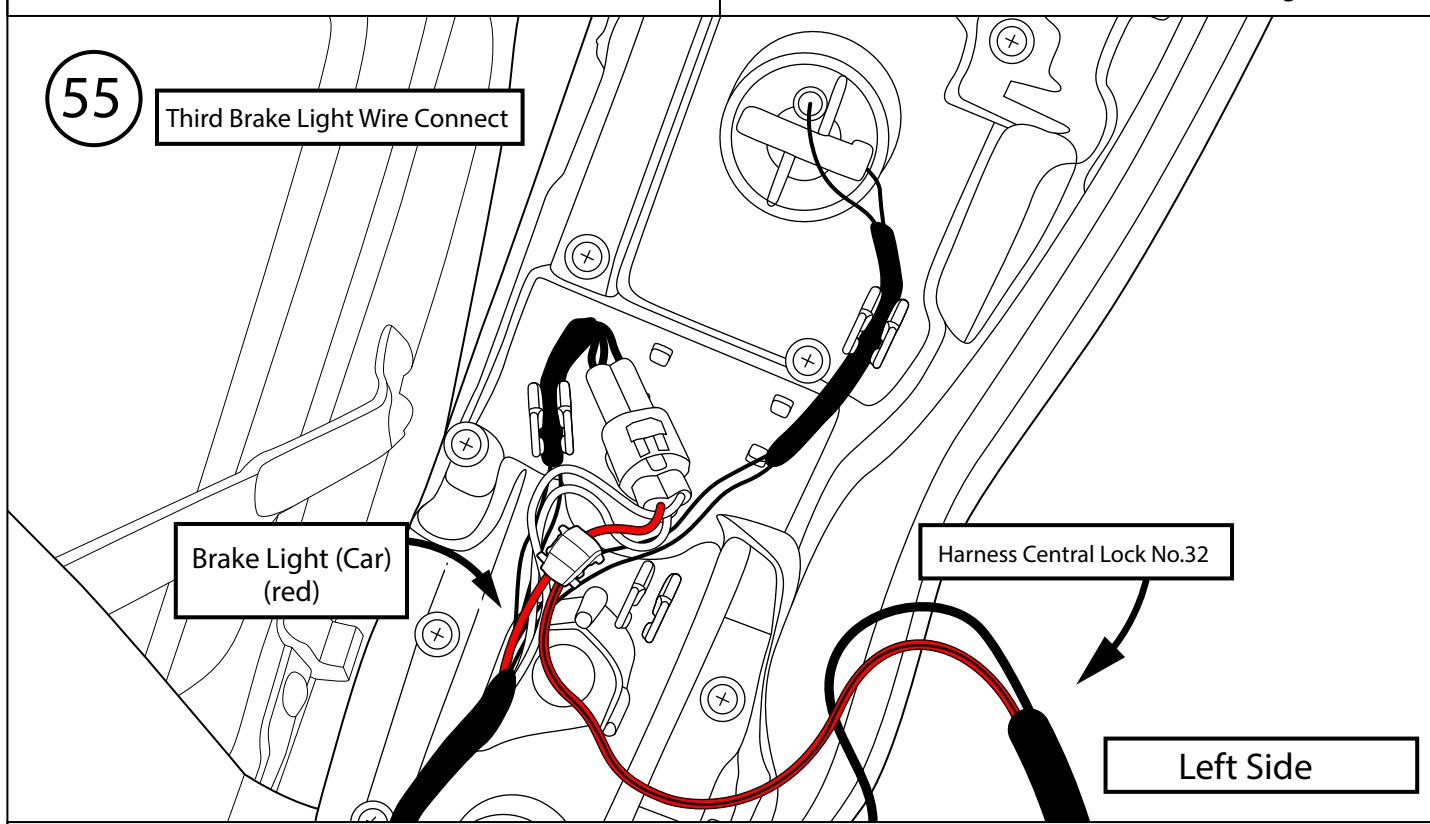
55

Third Brake Light Wire Connect

Brake Light (Car)
(red)

Harness Central Lock No.32

Left Side



Bring the Red Wiring, Third Brake Light (RD) of the Harness Central Lock No.32 connecting with Red (RD) Brake wiring of the vehicle rear light.



56 The Step of wiring running diagram

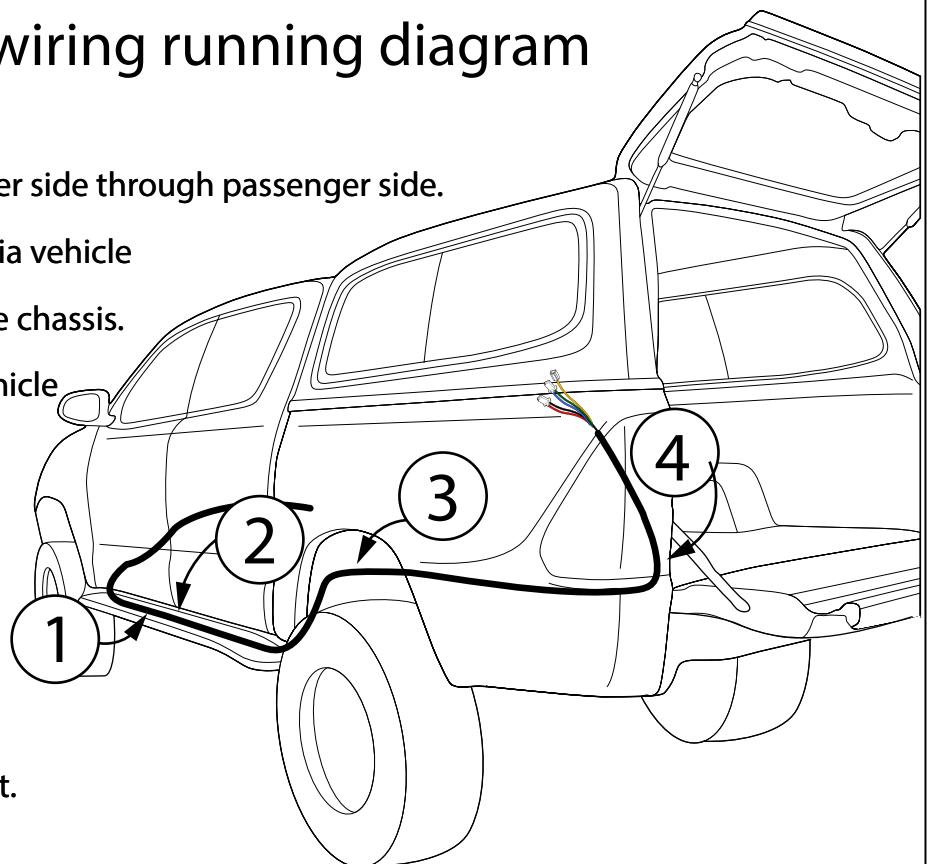
Point 1 Wiring running from driver side through passenger side.

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

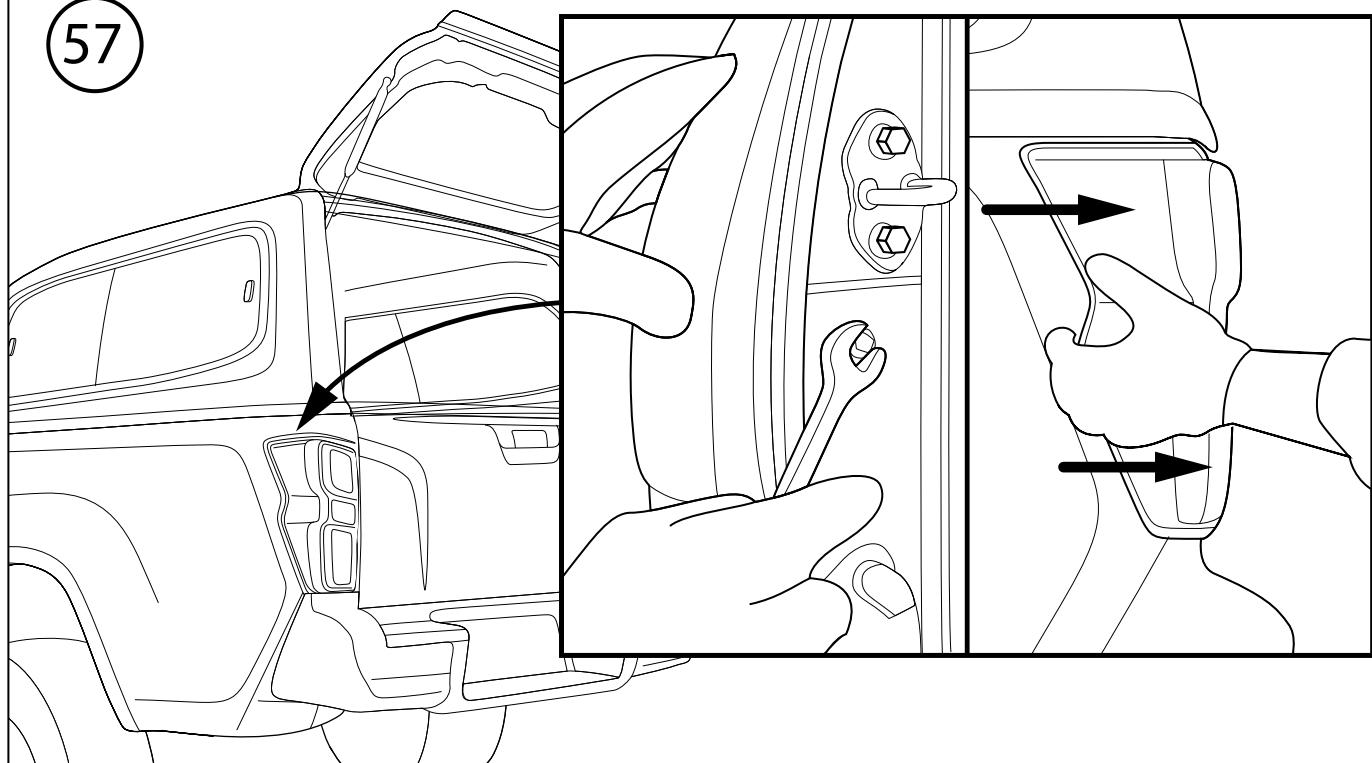
Point 3 Wiring that run under vehicle
along the chassis.

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.



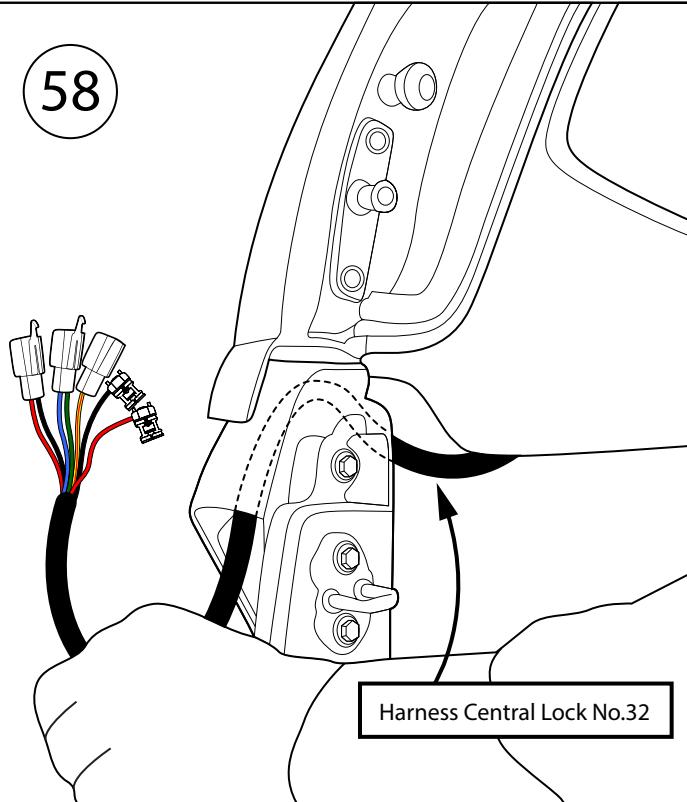
57



Take off the Rear Light vehicle.

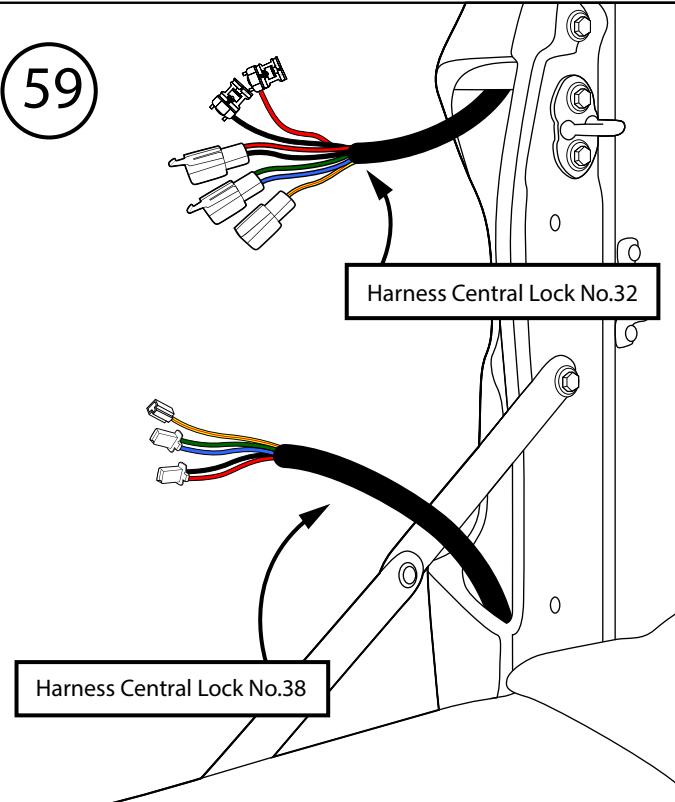


58



Running the Harness Central Lock No.32 along the vehicle tube through the rear light.

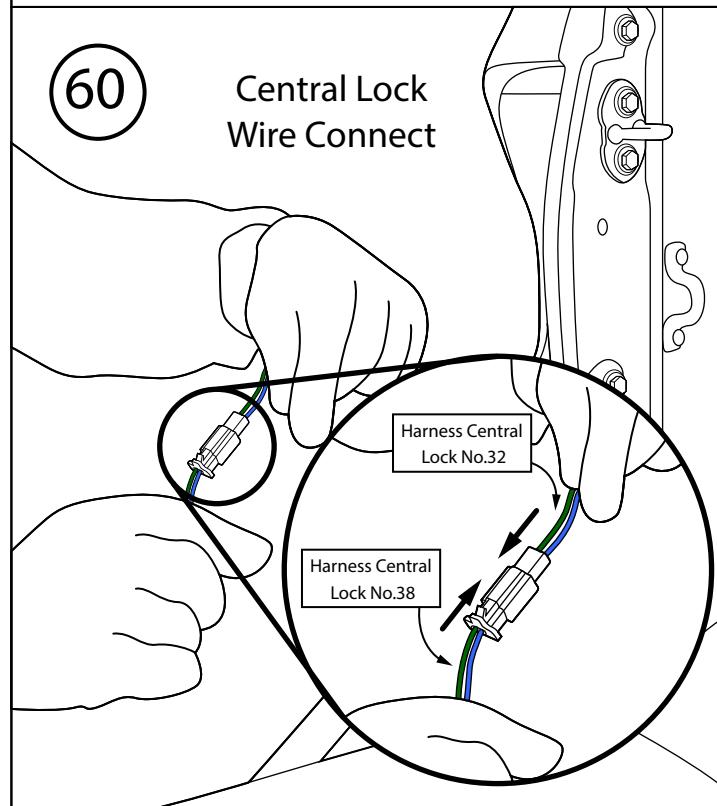
59



The Harness Central Lock No.32 wiring vehicle position and the Harness Central Lock No.38 wiring set.

60

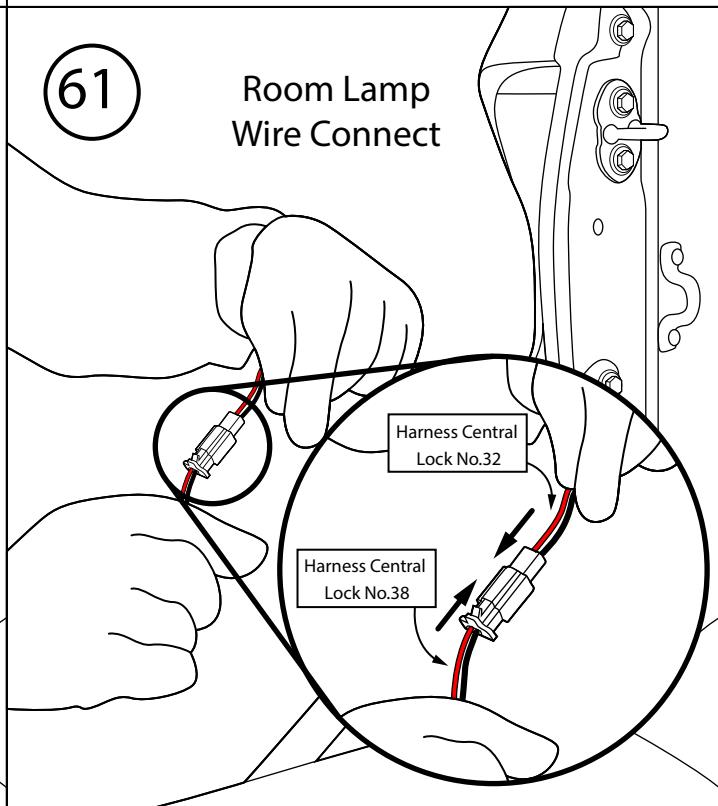
Central Lock
Wire Connect



The process of connecting the Central Lock (BL,DG) wiring of the Harness Central Lock No.32 with the Central Lock (BL,DG) wiring of the Harness Central Lock No.38.

61

Room Lamp
Wire Connect



The process of connecting the Room Lamp (RD,BK) wiring of the Harness Central Lock No.32 with the Room Lamp (RD,BK) wiring of the Harness Central Lock No.38.



62

Ground Wire Connect

GROUND (Car)
(black)

63

Ground

GROUND (Car)
(black)

GROUND (Canopy)
(black)

Bring the Black Wiring, GROUND (BK) of the Harness Central Lock No.32 connecting with the Black (BK) Ground wiring of the vehicle rear light.

64

65

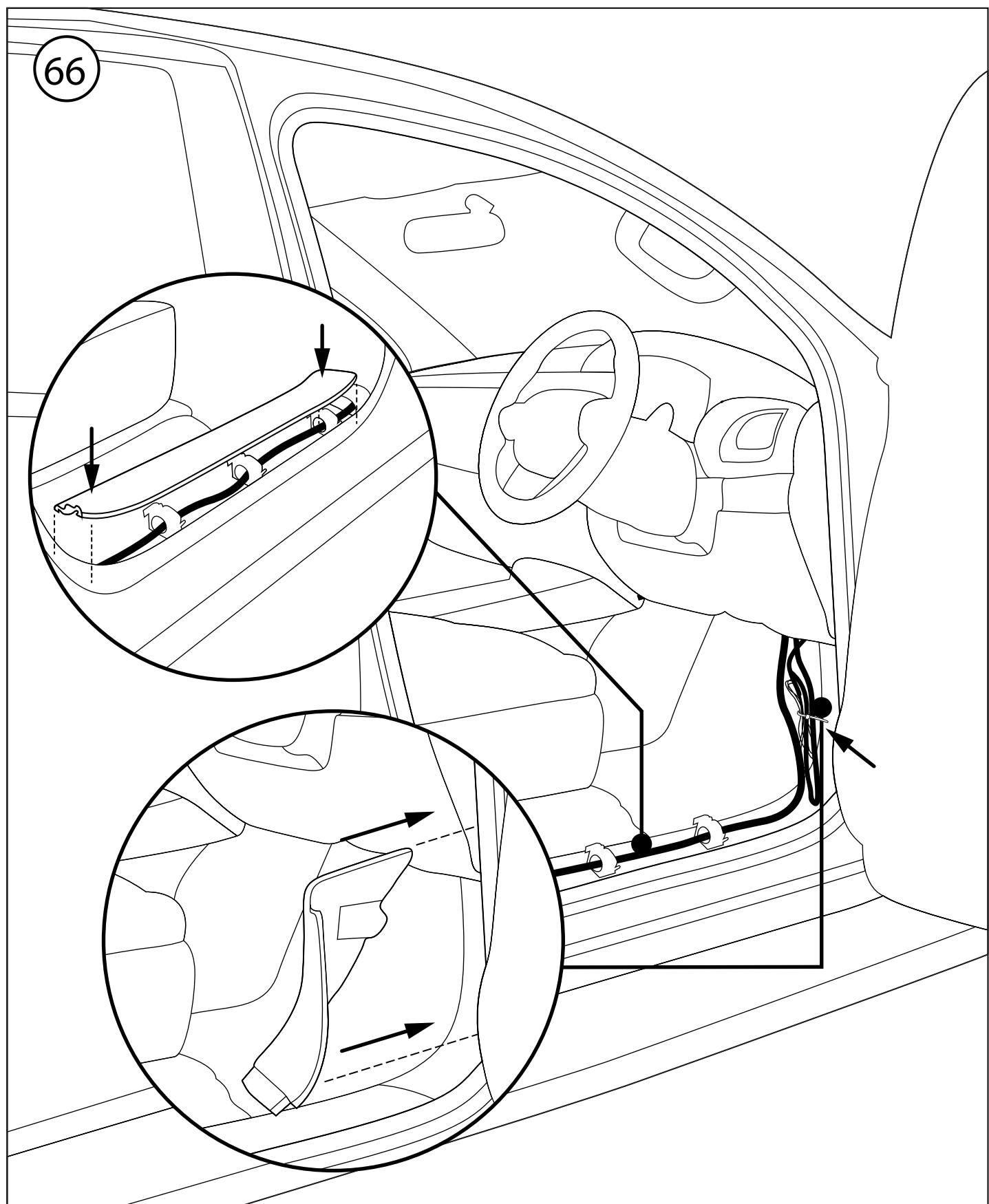
Tight up all the wiring by using
the Cable Tie

Reassemble the vehicle rear light.



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66



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



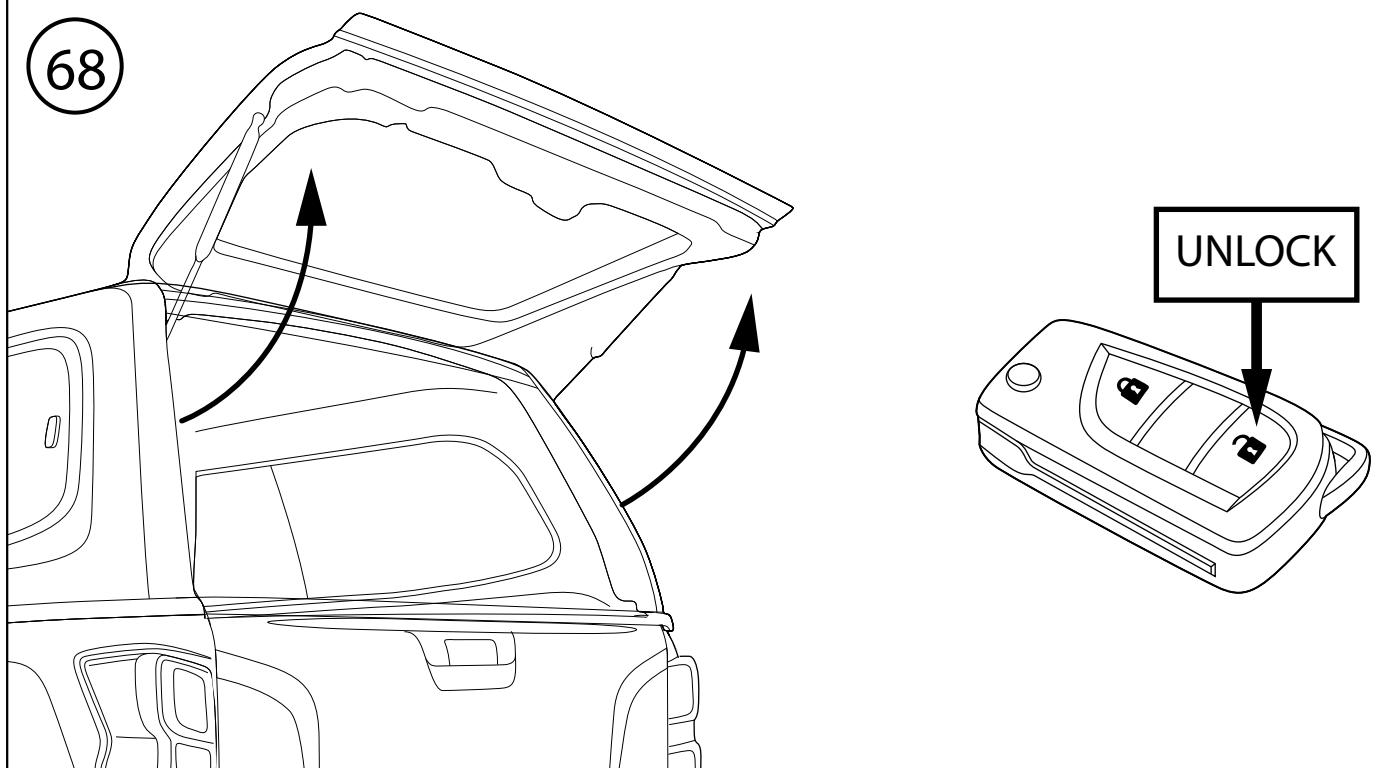
67

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.

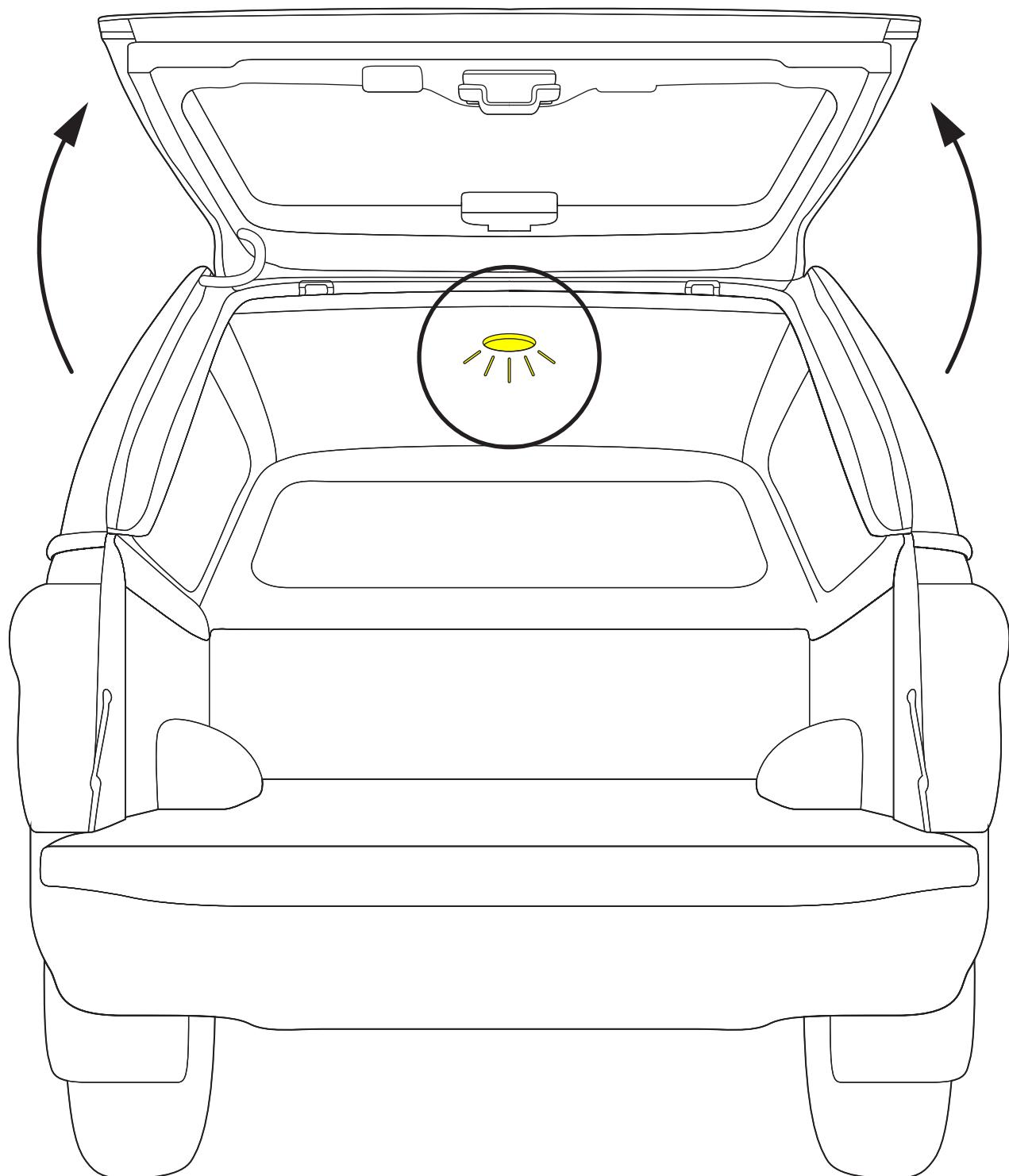
68



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



69



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



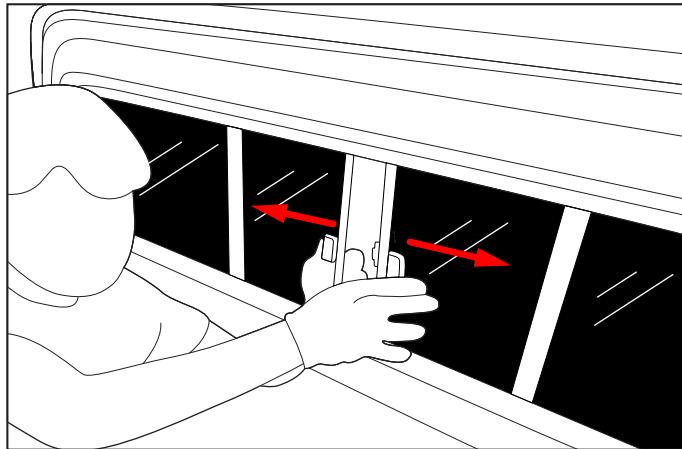
SAMMITR

**Opening Function of all
canopy model**



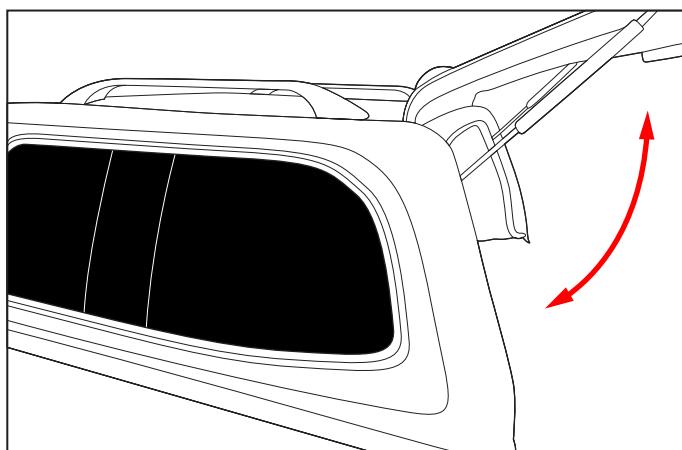
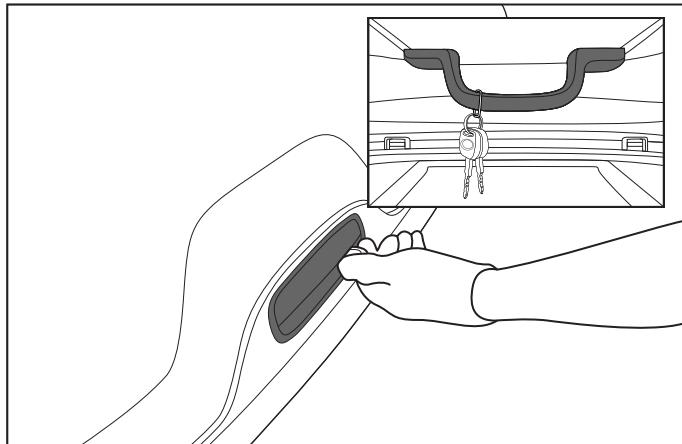
SAMMITR

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

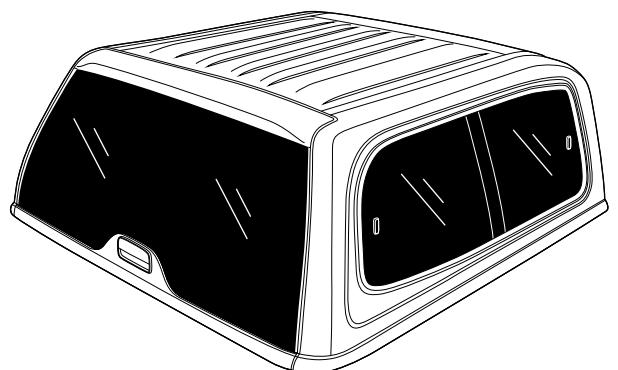


Use the key is unlock function will be the same for all model, V2, V4 and TL1.

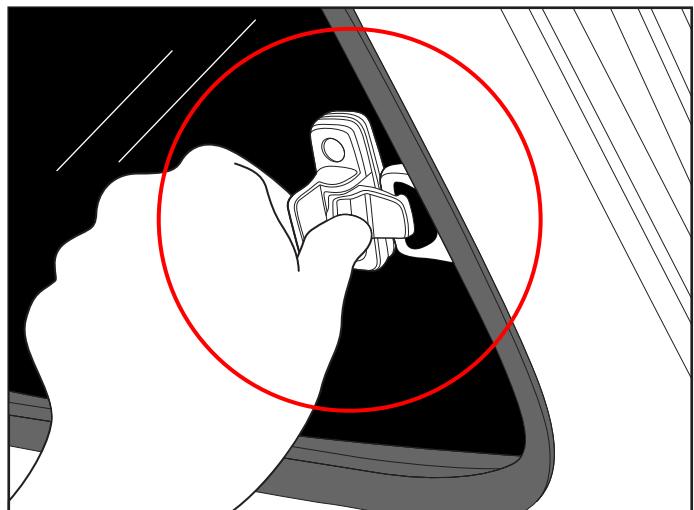
Open the backdoor function are different.



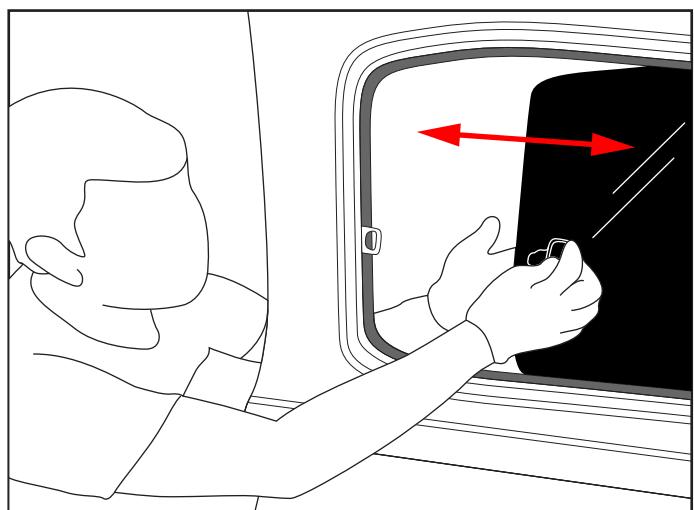
User manual



Slide Window (Left-Right)



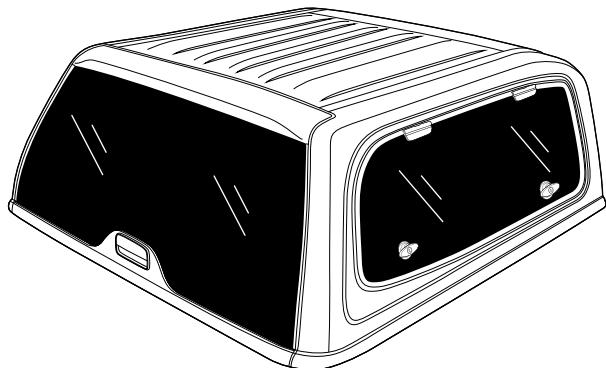
Squeeze the lock side to open.



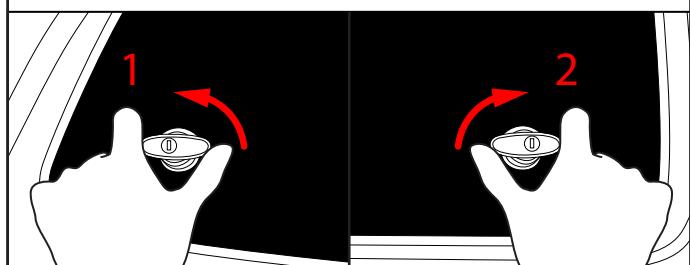
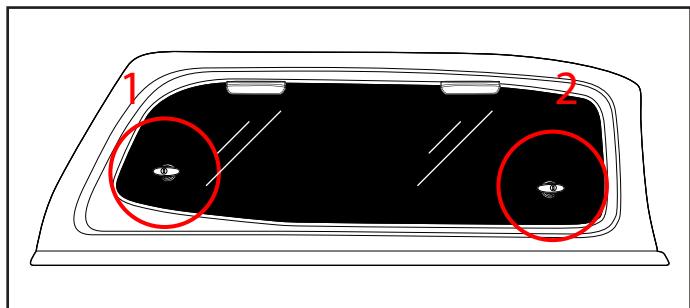
The Picture shows how to open the side window.



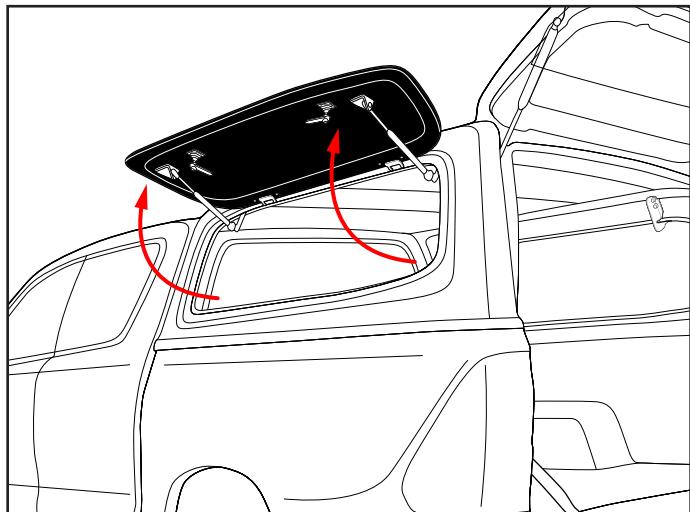
User manual



Glass Birdwing Window Left-Right
(Handle Lock)

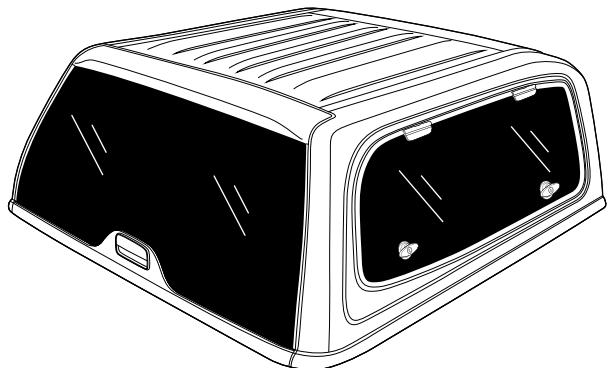


Turn around the canopy lock as shown in picture to open the side window.

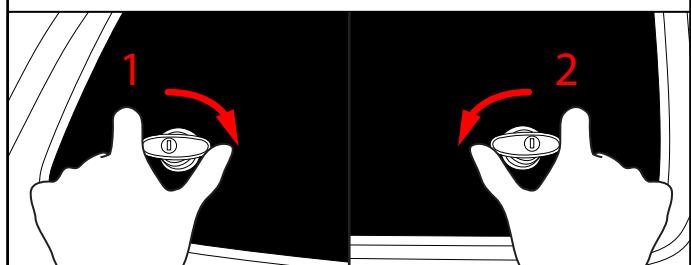
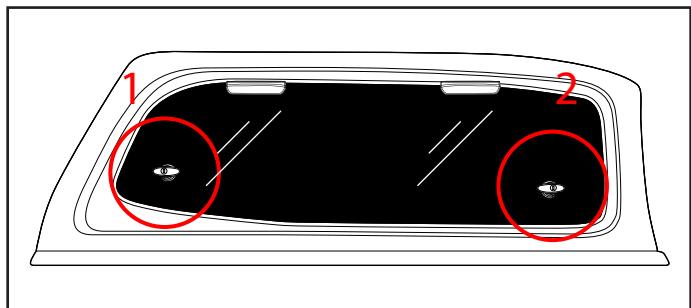


Picture shows how to open the side window.

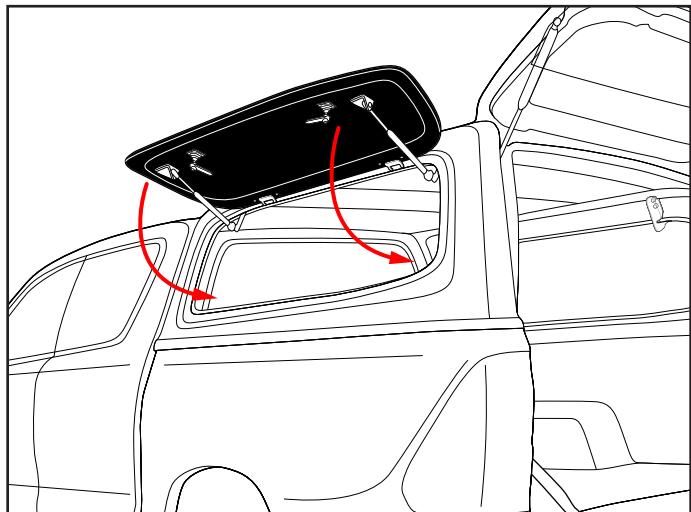
User manual



Glass Birdwing Window Left-Right
(Handle Lock)



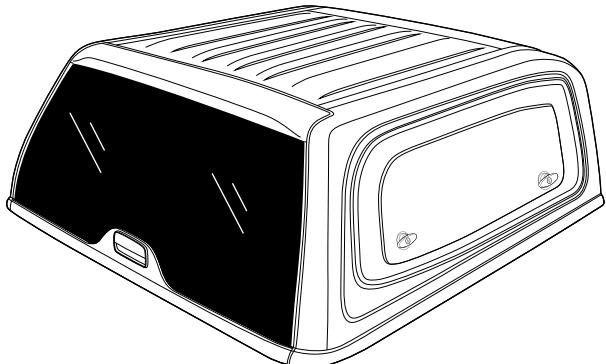
Turn around the canopy lock as shown in picture to close the side window.



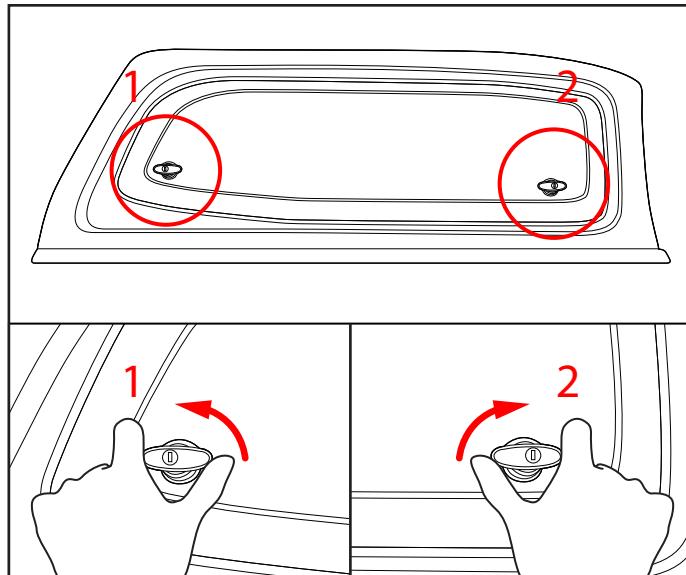
Picture shows how to close the side window.



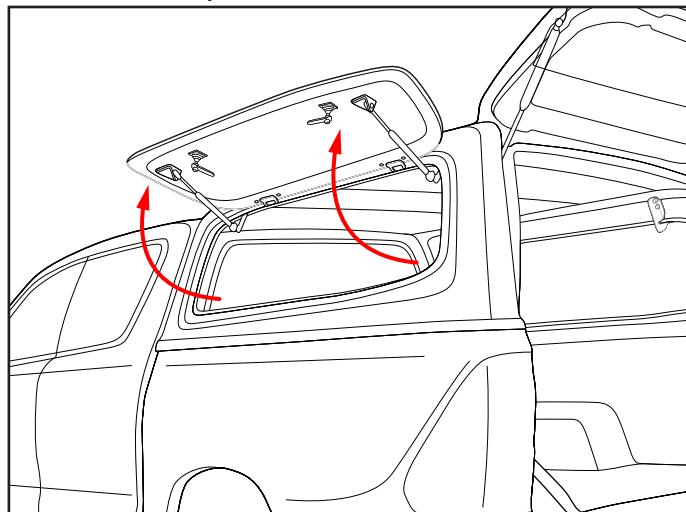
User manual



Solid Birdwing Window Left-Right
(Handle Lock)

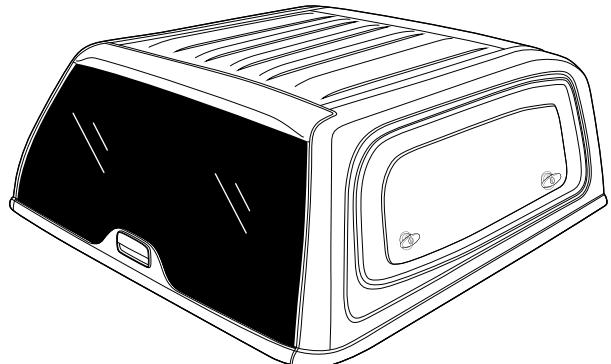


Turn around the canopy lock as shown in picture to open the side window.

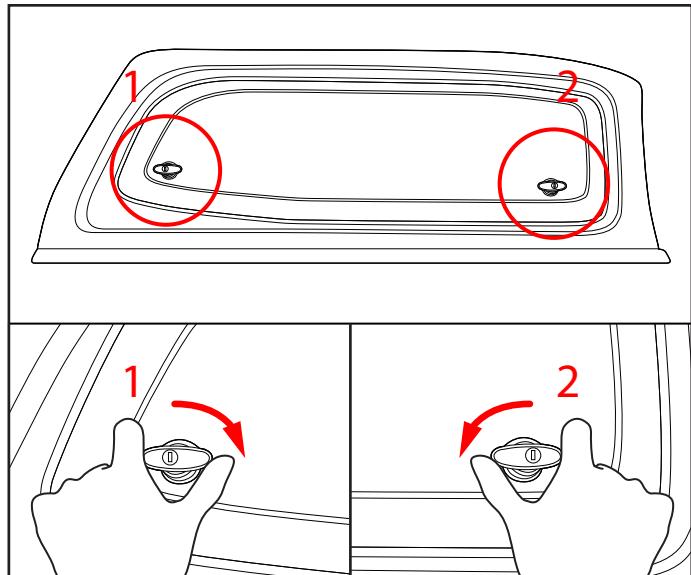


Picture shows how to open the side window.

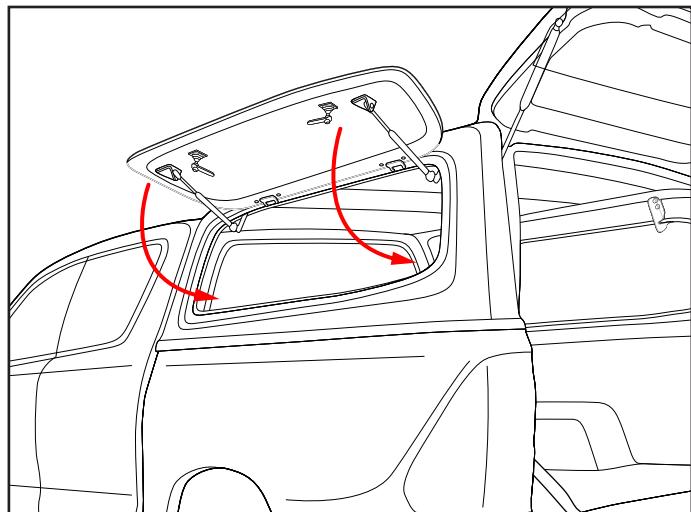
User manual



Solid Birdwing Window Left-Right
(Handle Lock)



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

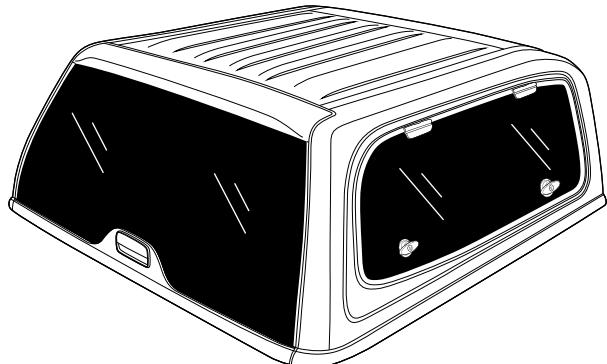


Picture shows how to close the side window.



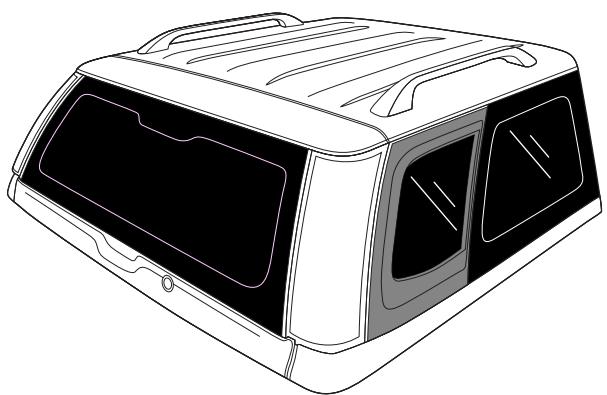
SAMMITR

User manual



Backdoor

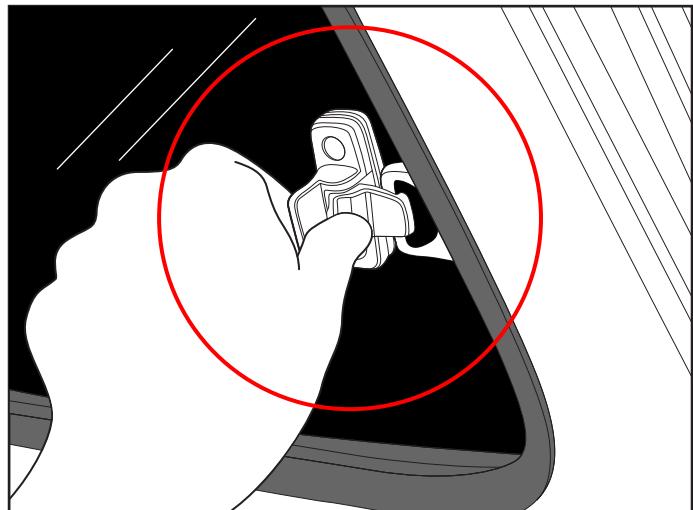
User manual



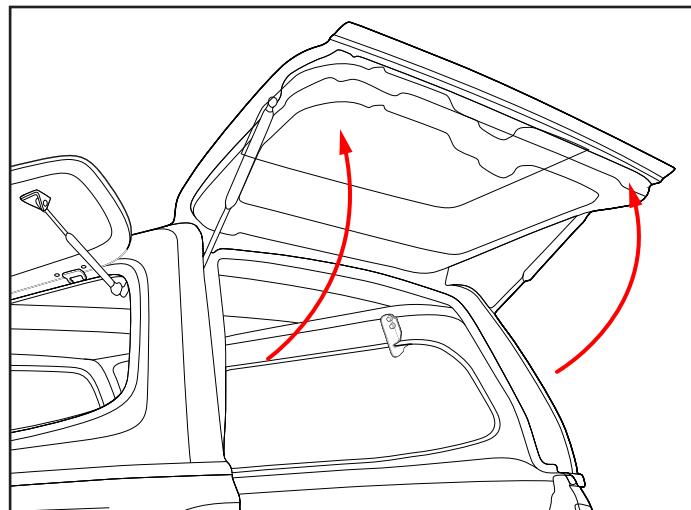
Slide Window (Left-Right)



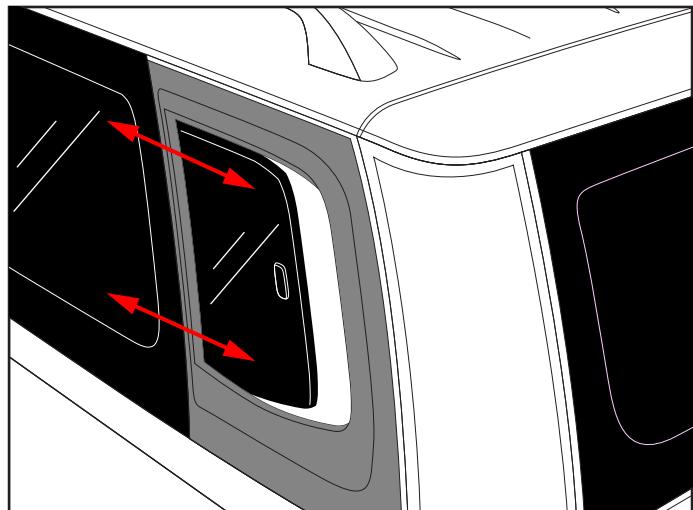
Use the handle as shown in picture to open the backdoor.



Squeeze the lock side to open.



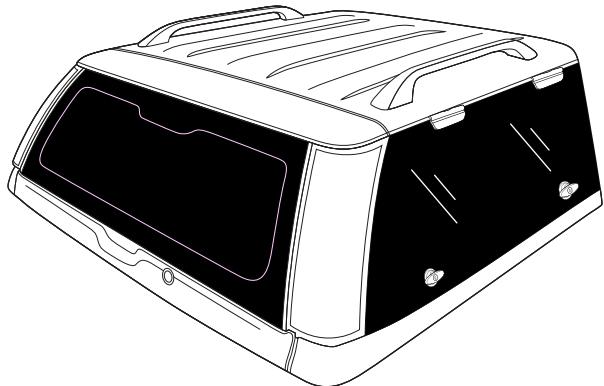
The Picture shows how to open the backdoor.



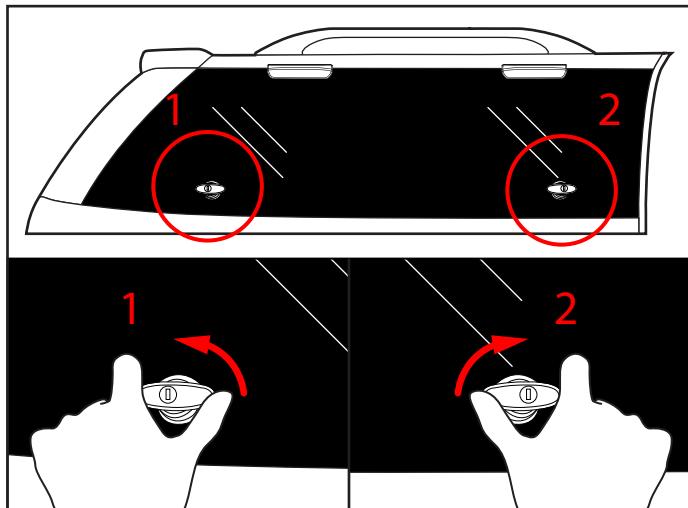
The Picture shows how to open the side window.



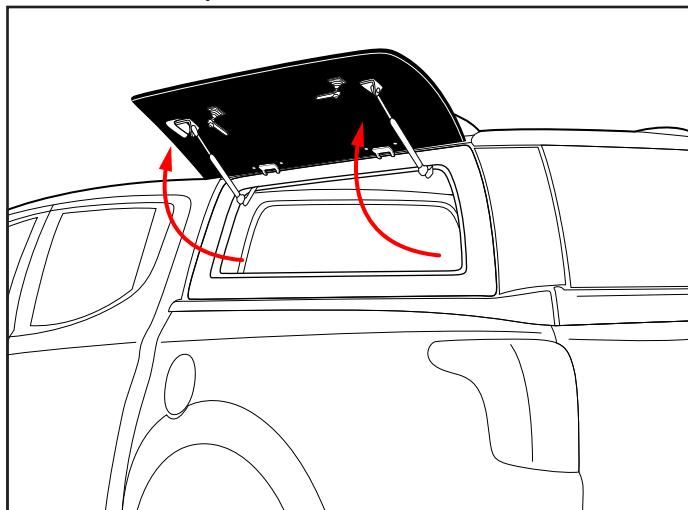
User manual



Glass Birdwing Window Left-Right
(Handle Lock)

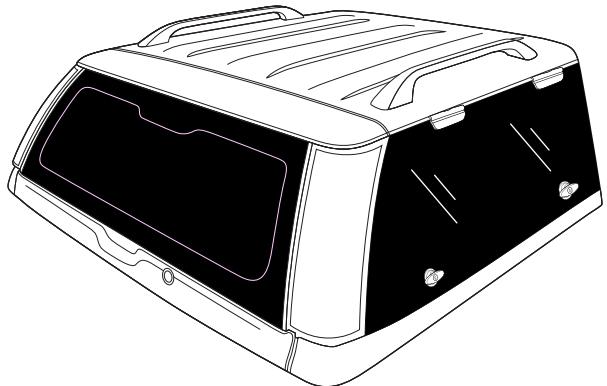


Turn around the canopy lock as shown in picture to open the side window.

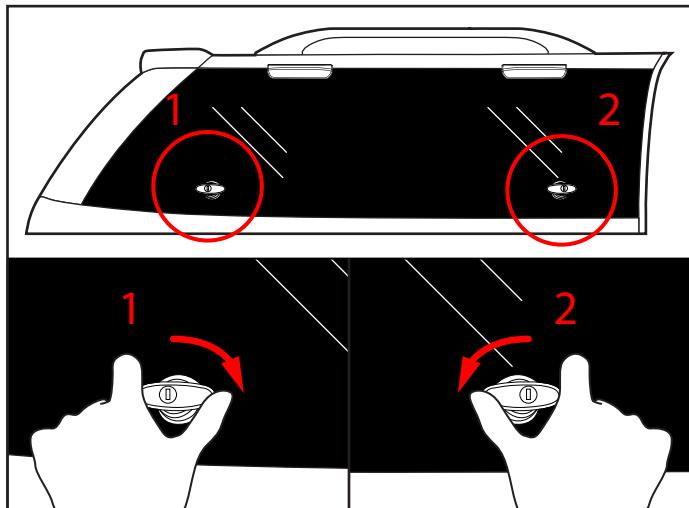


Picture shows how to open the side window.

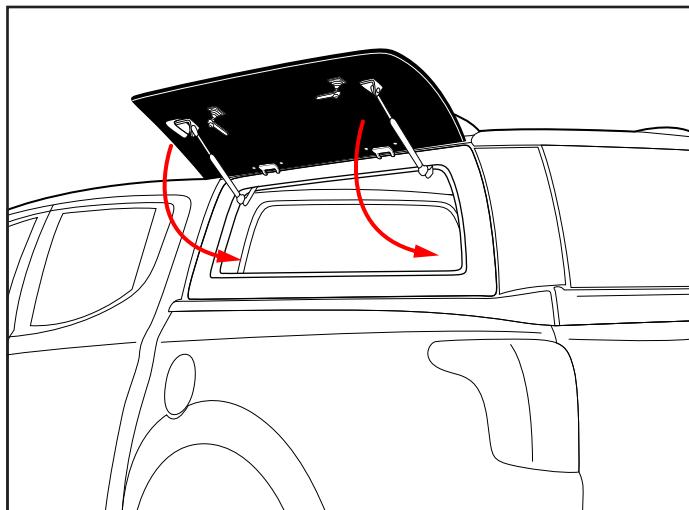
User manual



Glass Birdwing Window Left-Right
(Handle Lock)



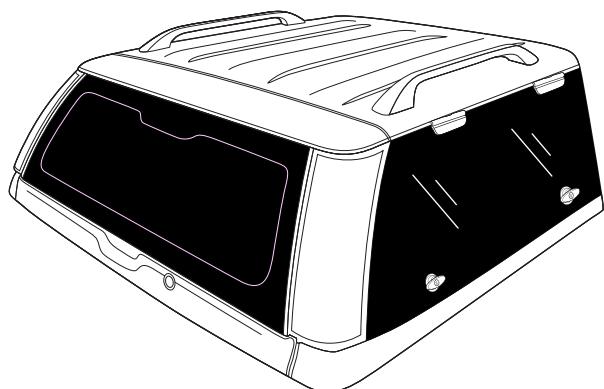
Turn around the canopy lock as shown in picture to close the side window.



Picture shows how to close the side window.

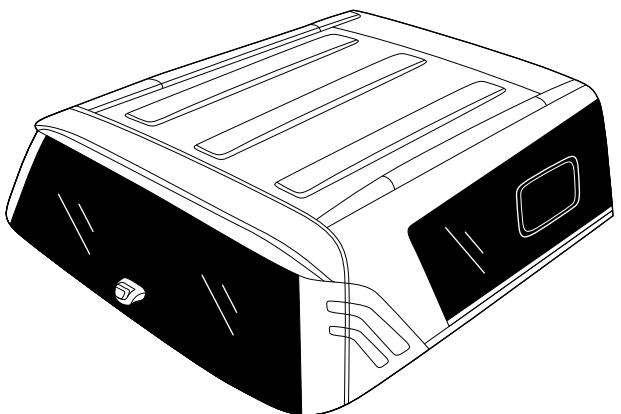


User manual

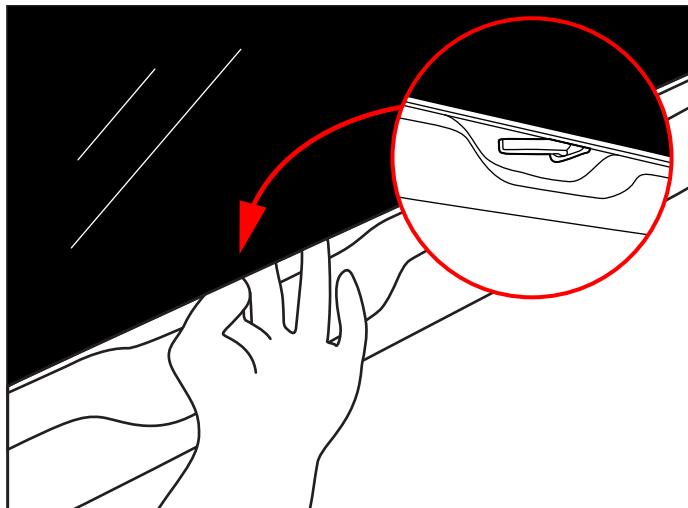


Backdoor

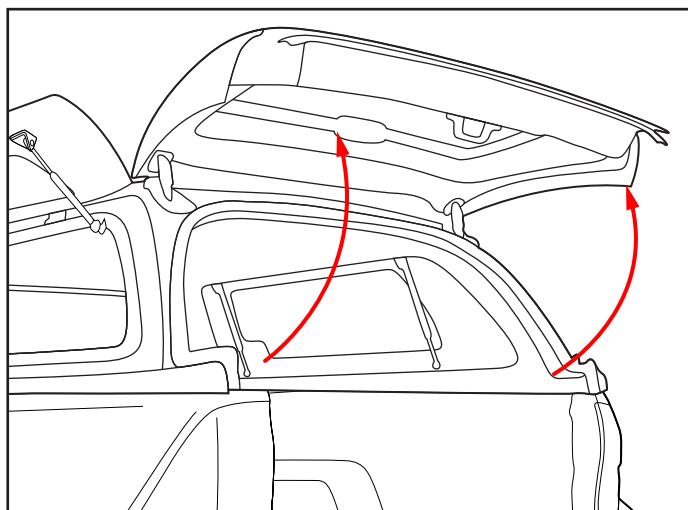
User manual



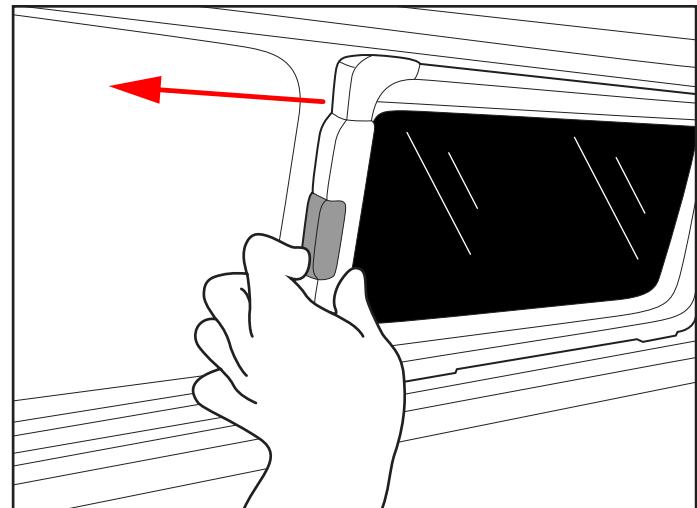
Slide Window (Left-Right)



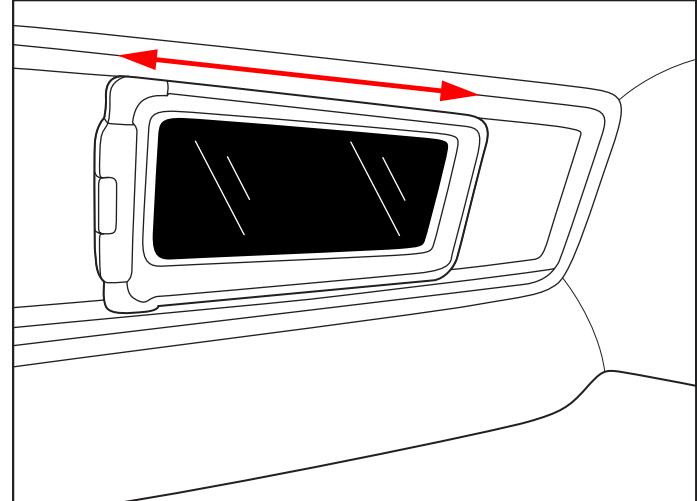
Pull the stick of handle to open the back door.



The Picture shows how to open the backdoor.



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

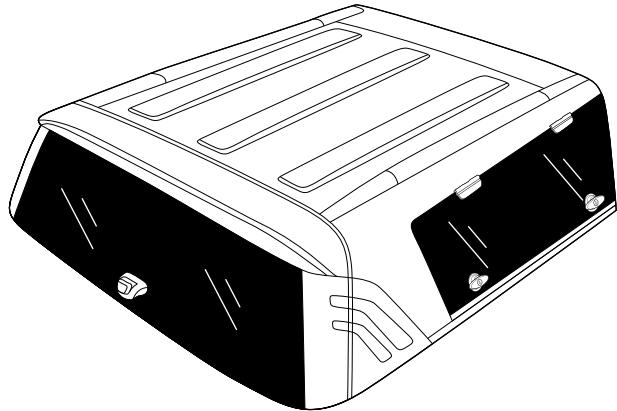


Picture shows how to open the side window from inside.

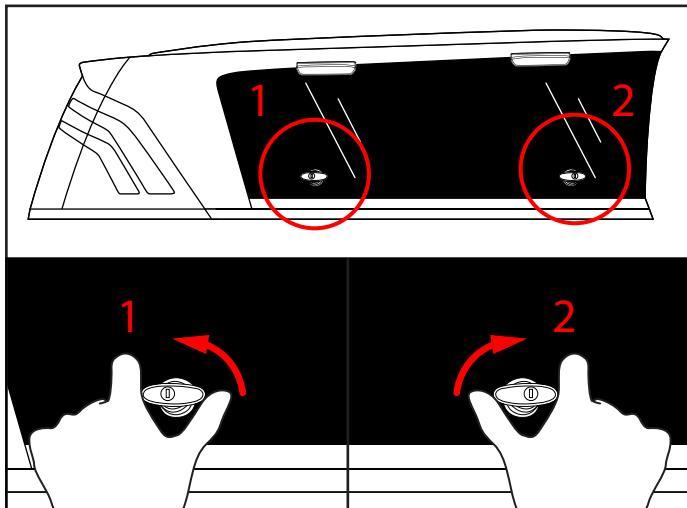


SAMMITR

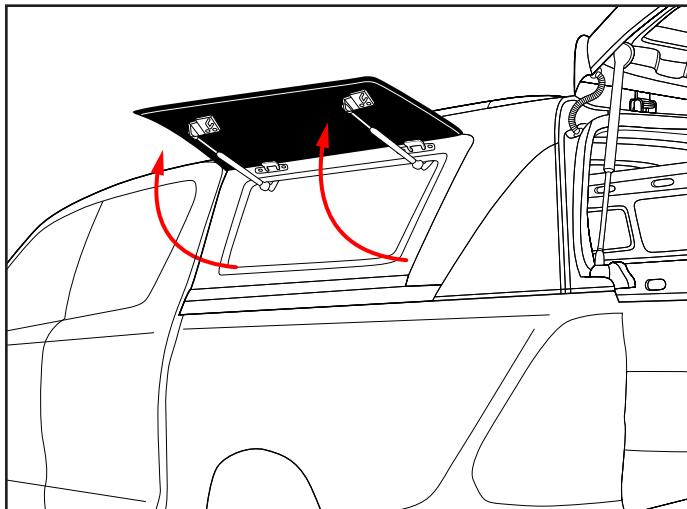
User manual



Glass Birdwing Window Left-Right
(Handle Lock)

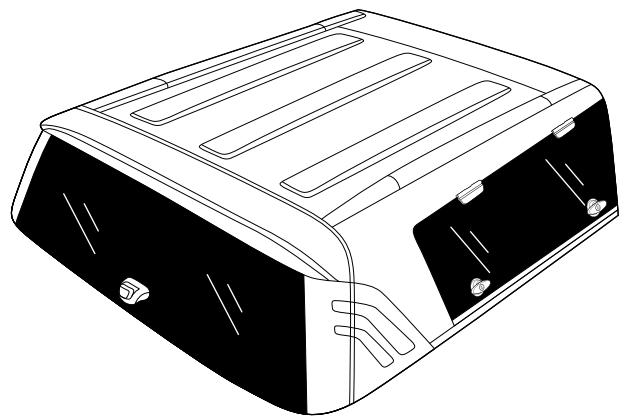


Turn around the canopy lock as shown in picture to open the side window.

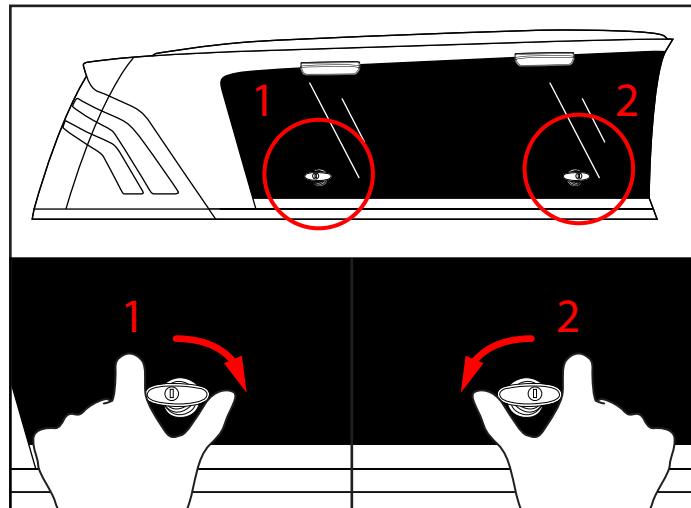


Picture shows how to open the side window.

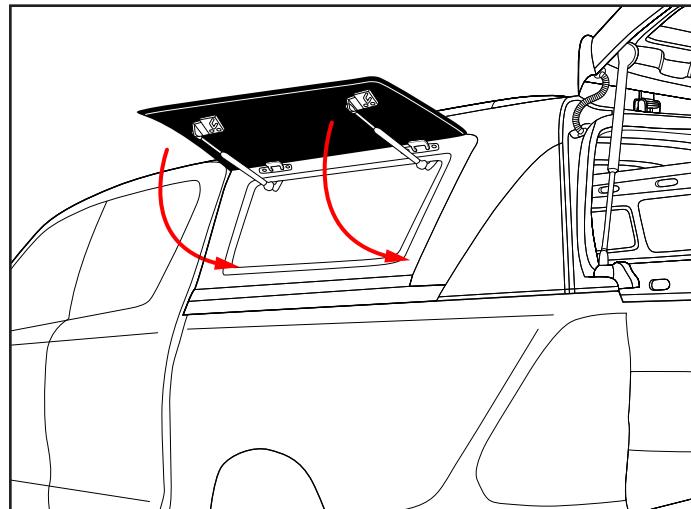
User manual



Glass Birdwing Window Left-Right
(Handle Lock)



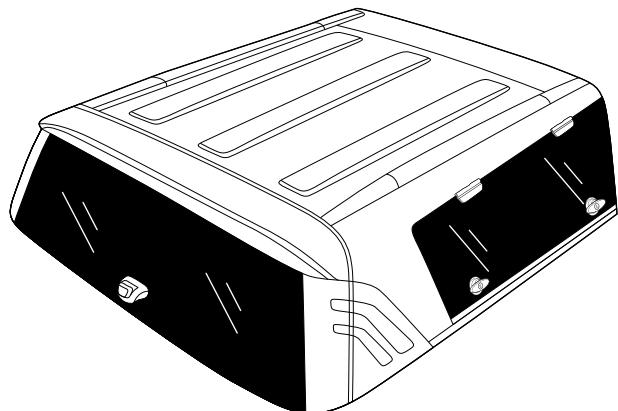
Turn around the canopy lock as shown in picture to close the side window.



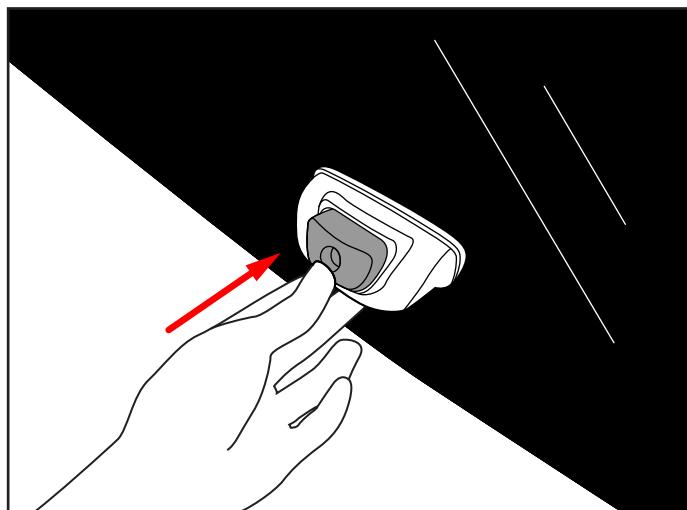
Picture shows how to close the side window.



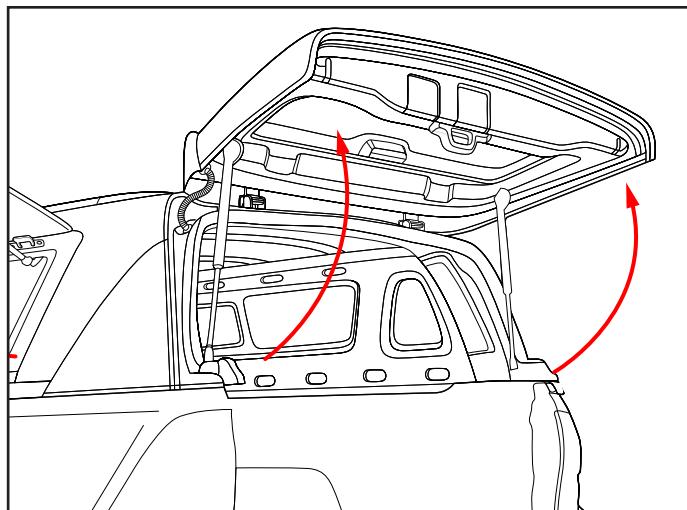
User manual



Backdoor



Push the button to open the back door.



The Picture shows how to open the backdoor.