



SAMMITR

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

Version 1.0



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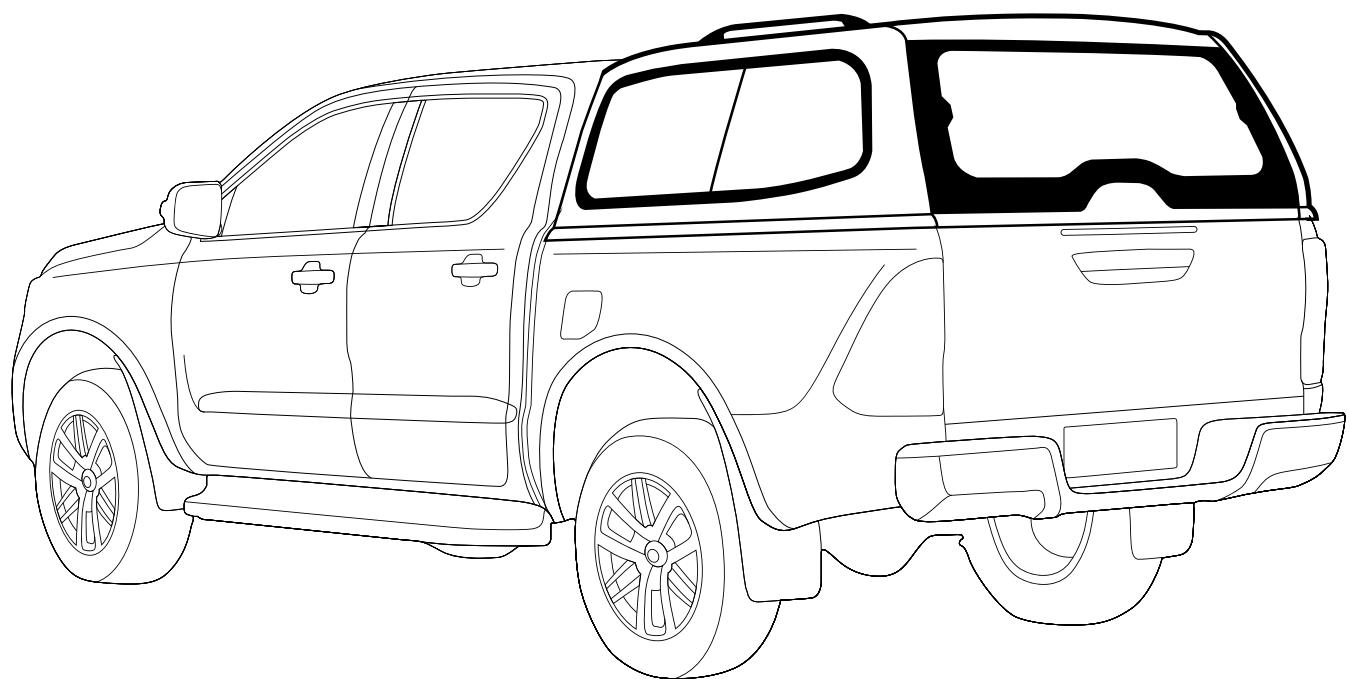
**Electrical and Mechanical
Installation
Manual
for**

TOYOTA HILUX REVO

*S-plus***V2**



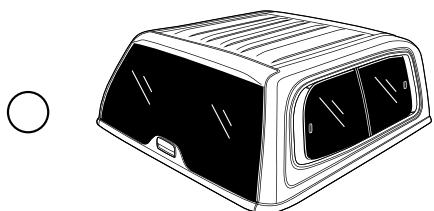
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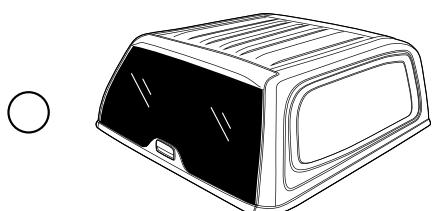


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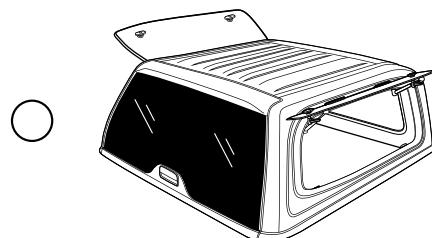
■ Steel Canopy S-Plus V2



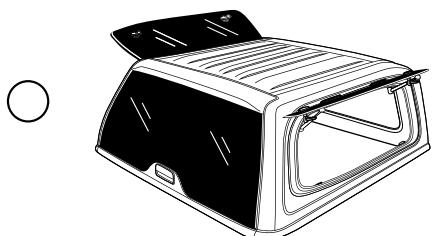
Glass Slide Window



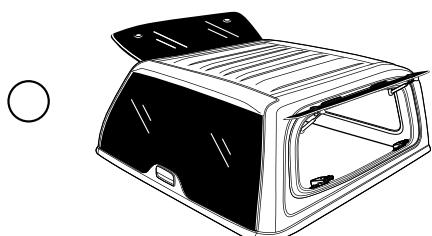
Solid Window



Solid Birdwing Window (Handle Lock)

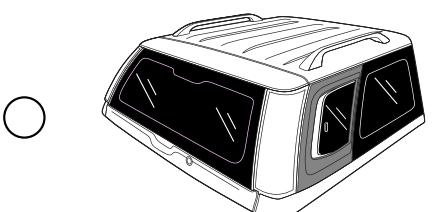


Glass Birdwing Window (Handle Lock)

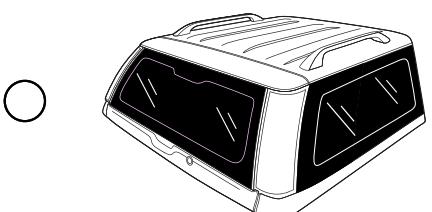


Glass Birdwing Window (Electric Lock)

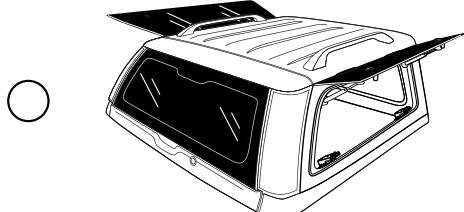
■ Steel Canopy SUV-Plus V4



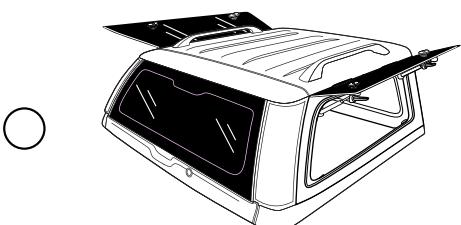
Glass Slide Window



Glass Fix Window

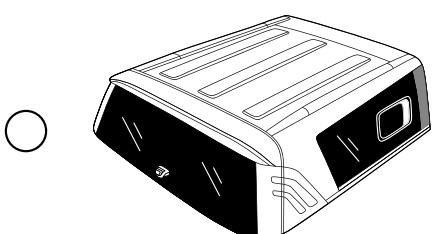


Glass Birdwing Window (Electric Lock)

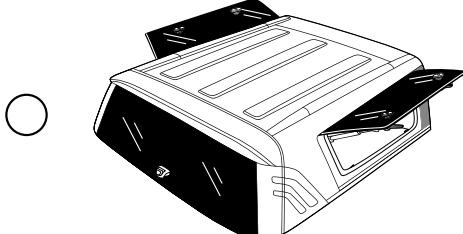


Glass Birdwing Window (Handle Lock)

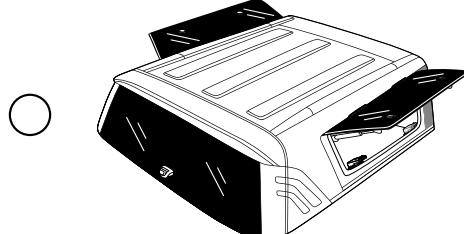
■ Steel Canopy TL-1



Glass Slide Window



Glass Birdwing Window (Handle Lock)



Glass Birdwing Window (Electric Lock)

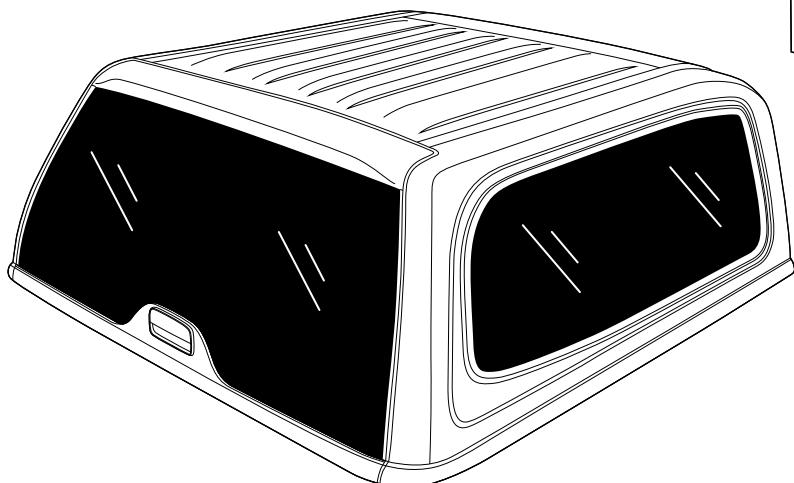


Installation Manual TOYOTA HILUX REVO

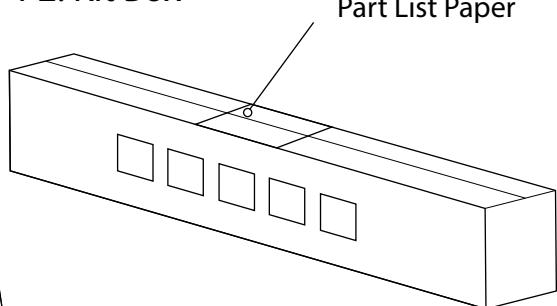
Steel Canopy : S-Plus V2
Version 1.0

Part In Main Carton

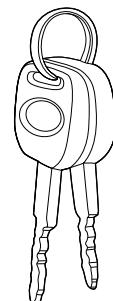
P1: Steel Canopy S-Plus V2



P2: Kit Box

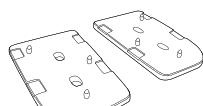


Part List Paper

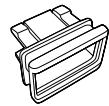


P3: Key

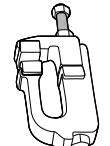
Kit Box



x2
K2 : Rubber R/L

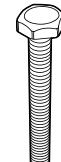


K3 : Switch Case



x4

K5 : C-Clamp



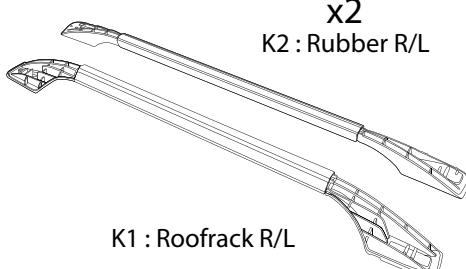
x8
K7 : Bolt M6



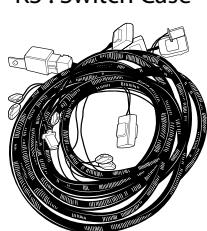
x8
K9 : Washer M6



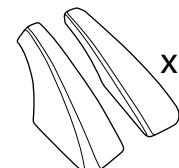
x8
K10 : Washer M8



K1 : Roofrack R/L



K4 : Wiring No.38



x2
K6 : Roofrack Cover



K8 : T Paint

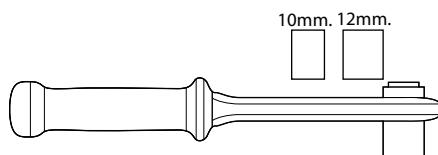


x8
K11 : Spring Washer M6

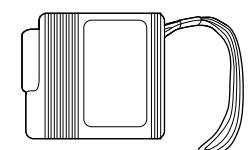
Tools



T1 : 13 mm. Wrench



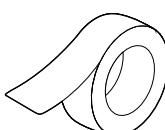
10mm, 12mm.
T3 : 10,12mm. Torque Wrench



T4 : Measuring Tape/Ruler



T2 : 10 mm. Wrench



T6: Tape



T7 : Electric Tape

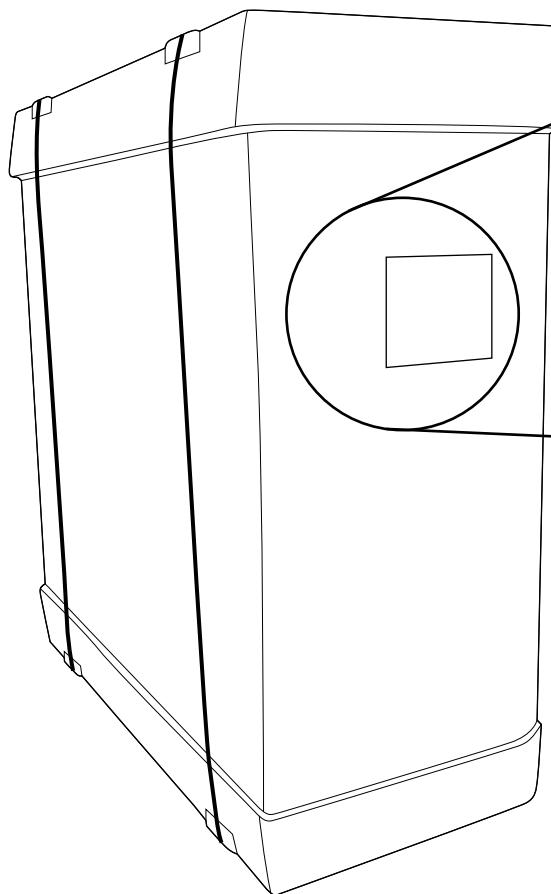


T8 : Fabric



1

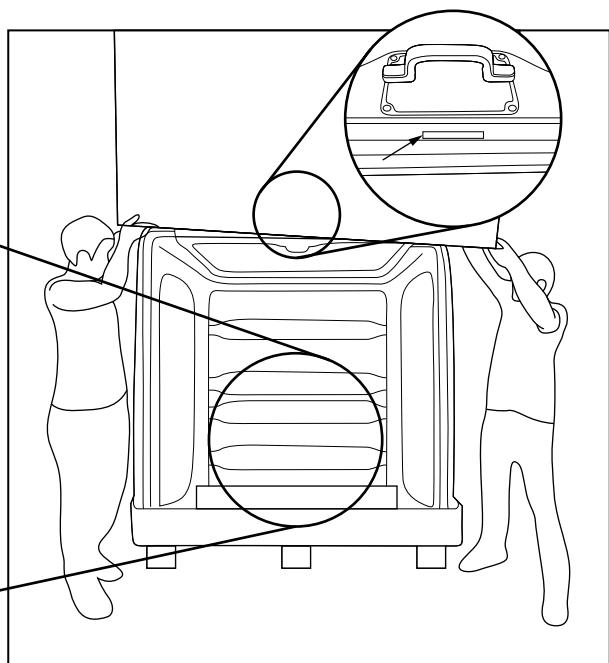
The Procedure of checking the Sammitr canopy box before installation.



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.

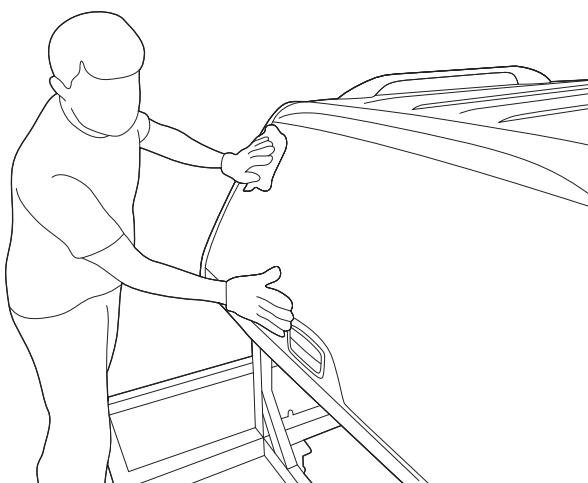


Packing List



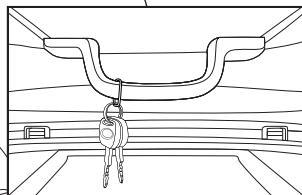
2 The preparation process of Sammitr Canopy S-Plus V2 model before installation with the vehicle.

1

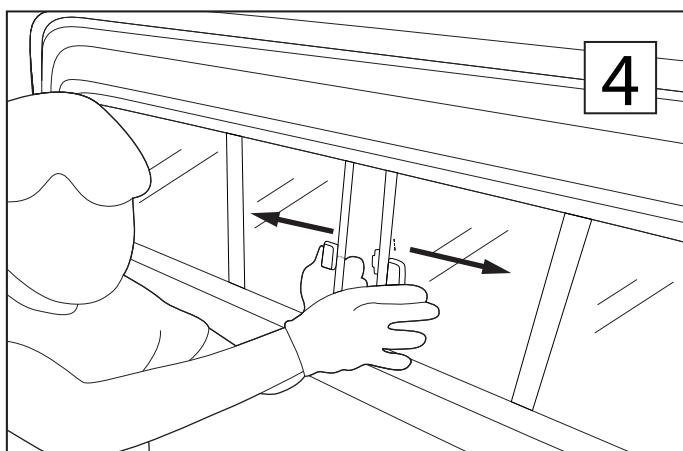


1. Canopy have to be in good condition, no damage, dent, cracks, smooth surface including no window damages or cracks.
2. Locking system is working for both keys.
3. Canopy sides are not damage, dent or cracks.
4. Canopy front window panel is working (open/close), no cracks or damages occurrences.
5.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

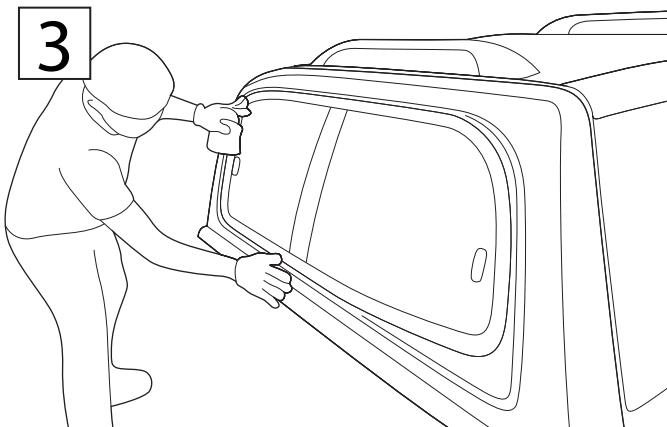
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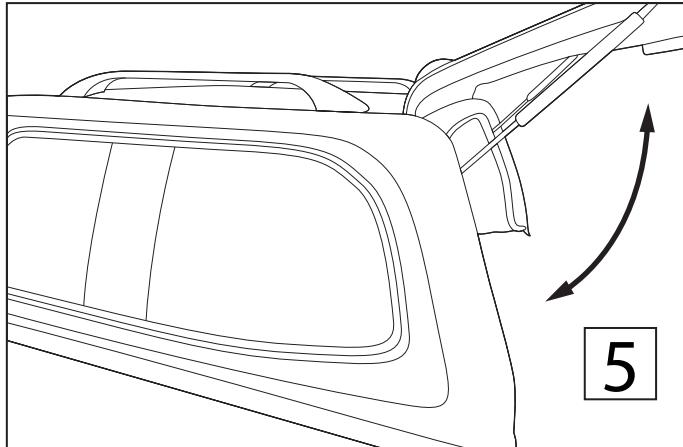
4



3



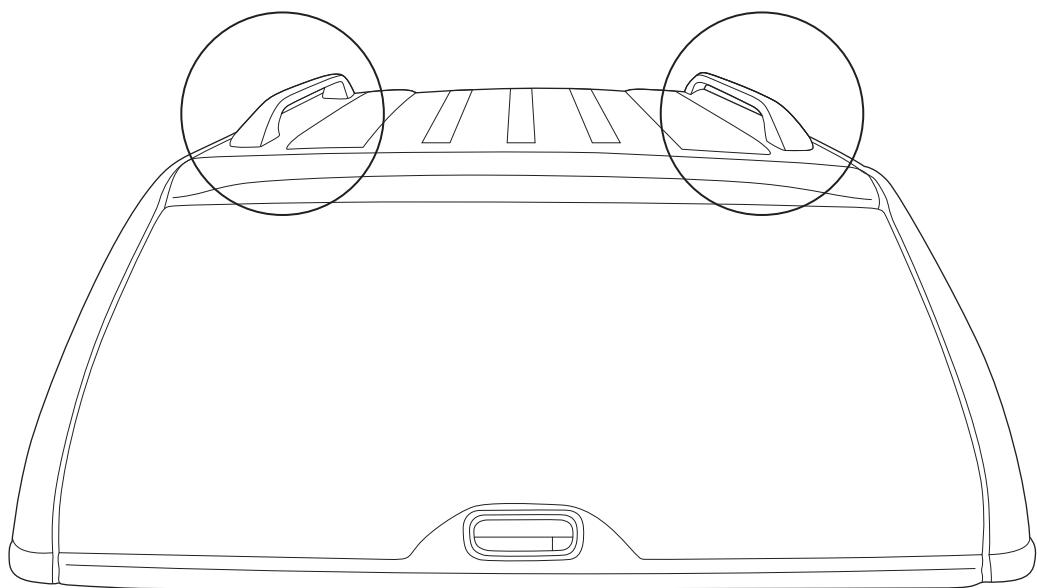
5





3

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



K6

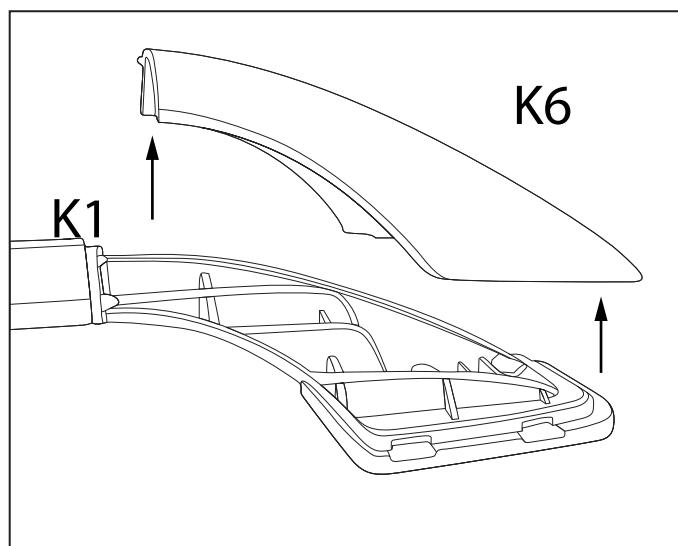
K1

Roof rack Front Part – Rear Left

K6

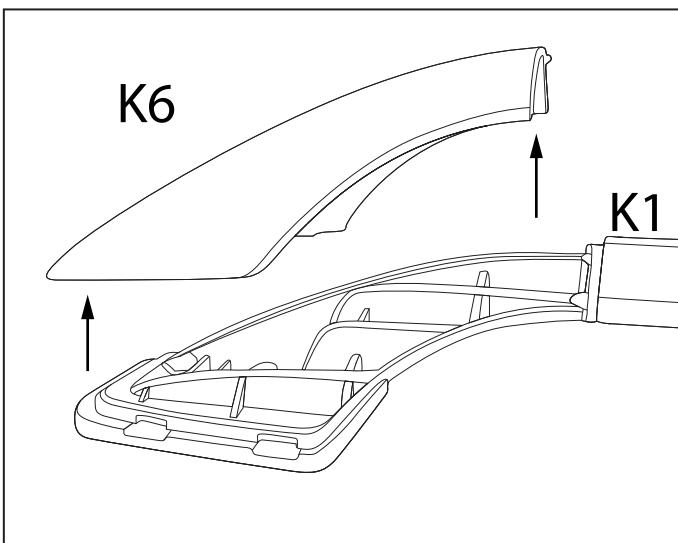
K1

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

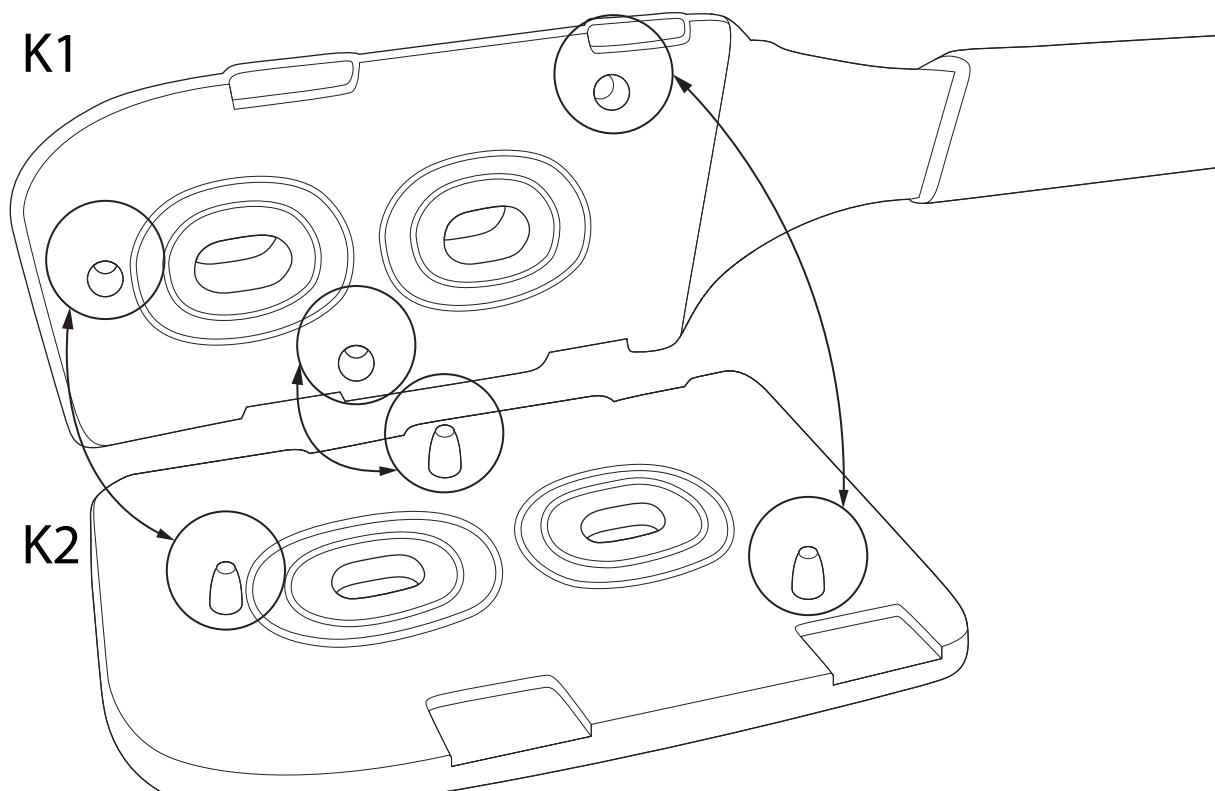


4
Roof rack Front part
Rear Right.

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

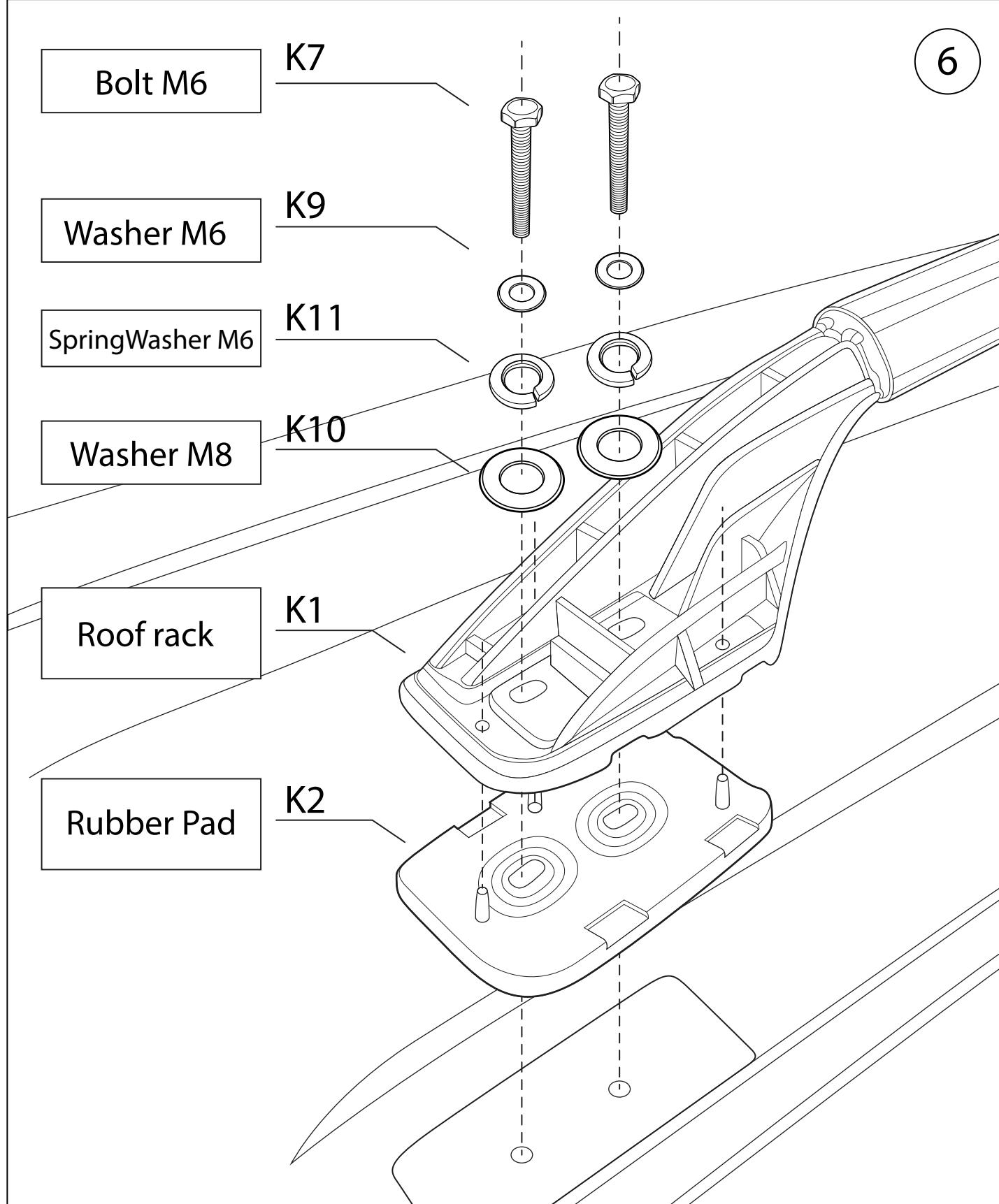
K10

Roof rack

K1

Rubber Pad

K2



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

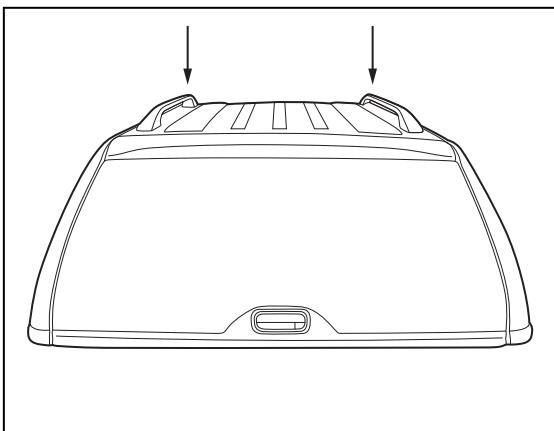


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7

T3

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

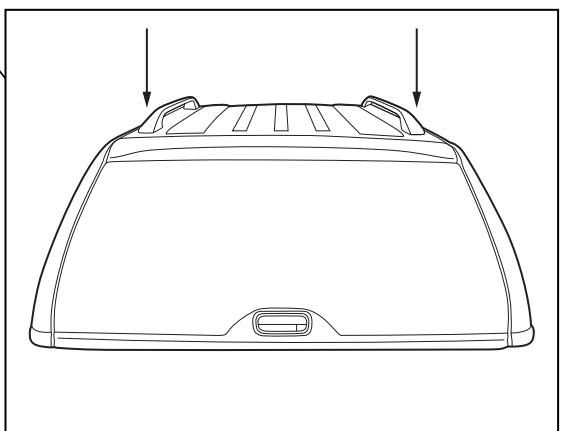


Tightening Roof
Rack bolts at 9 Nm
with the
Pound Wrench.

8

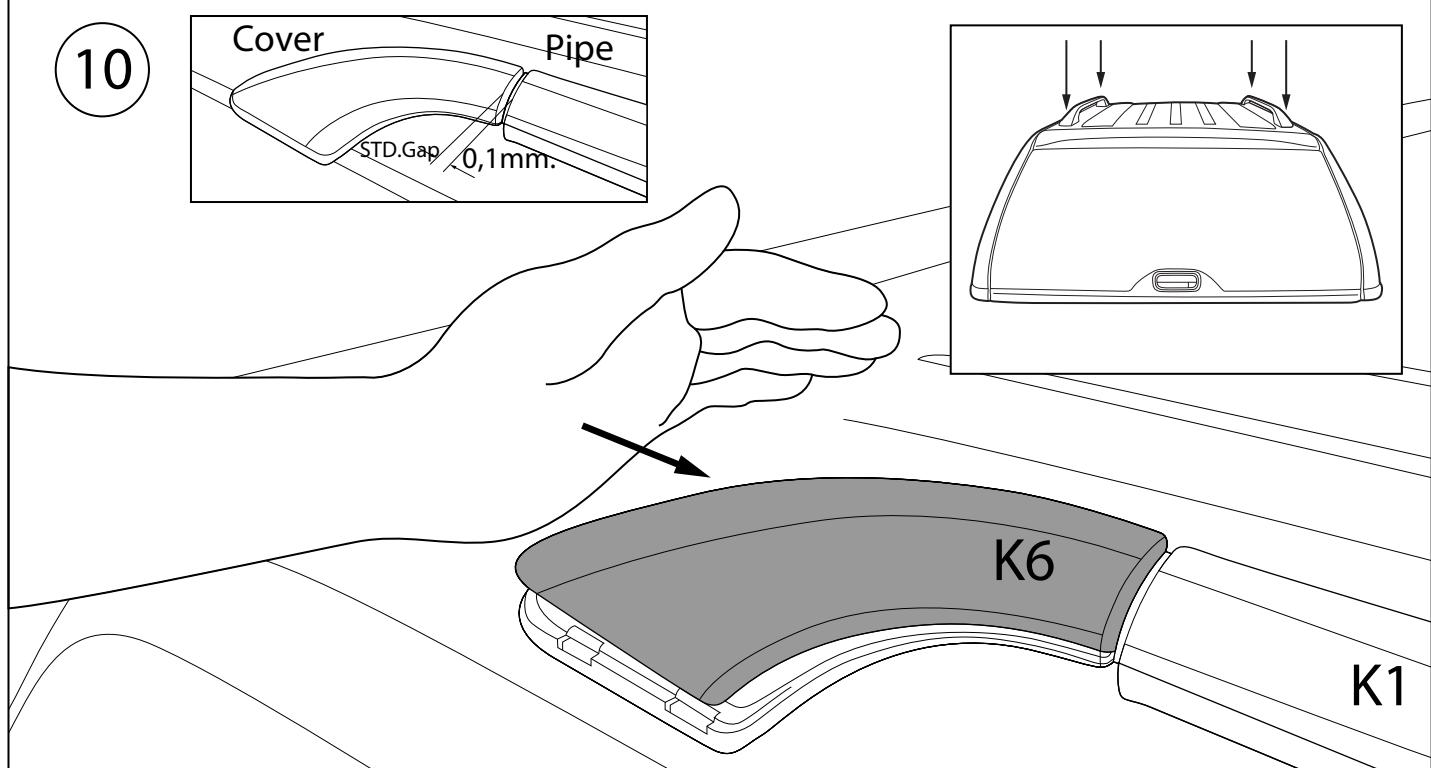
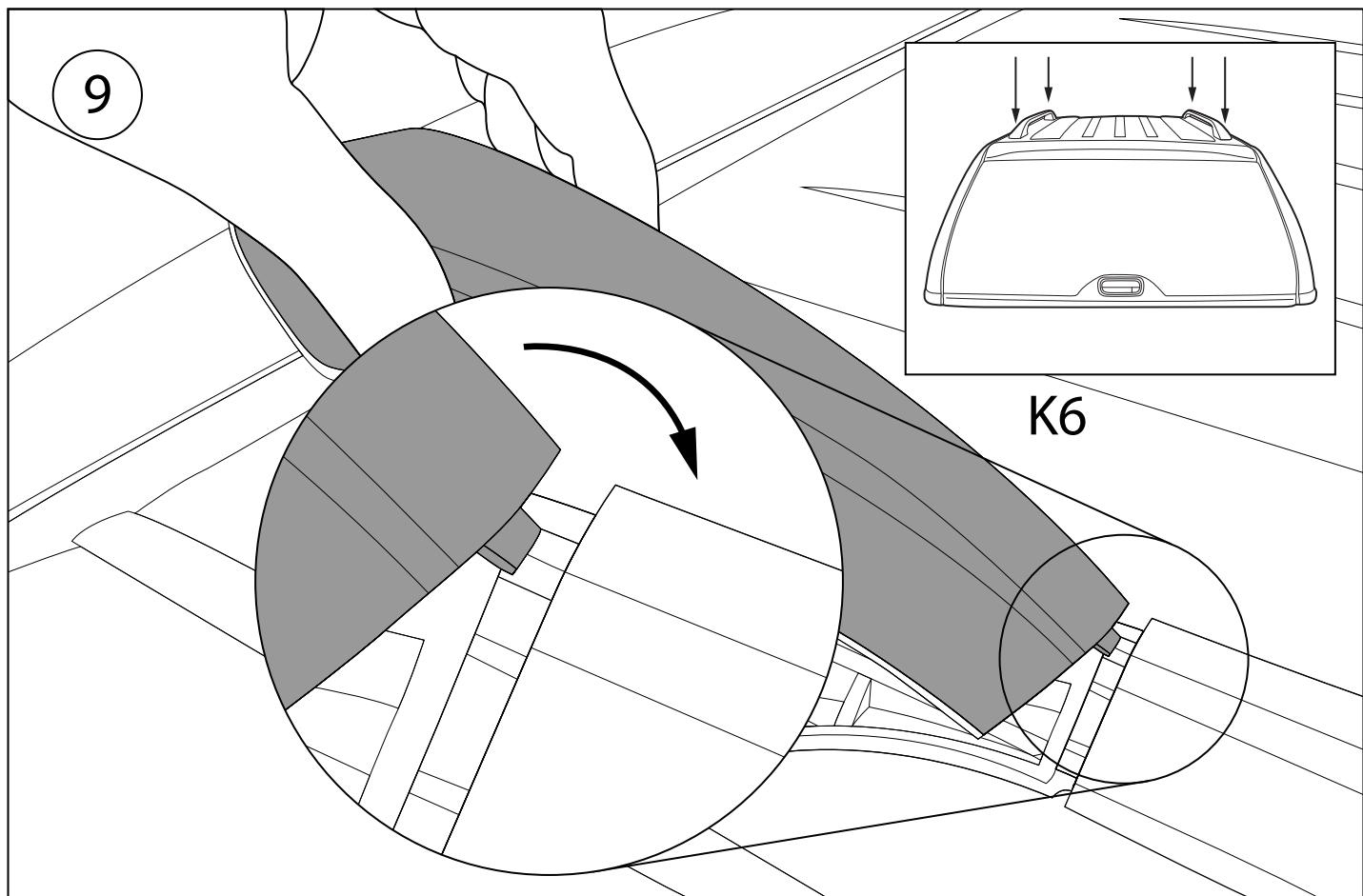
T3

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





SAMMITR



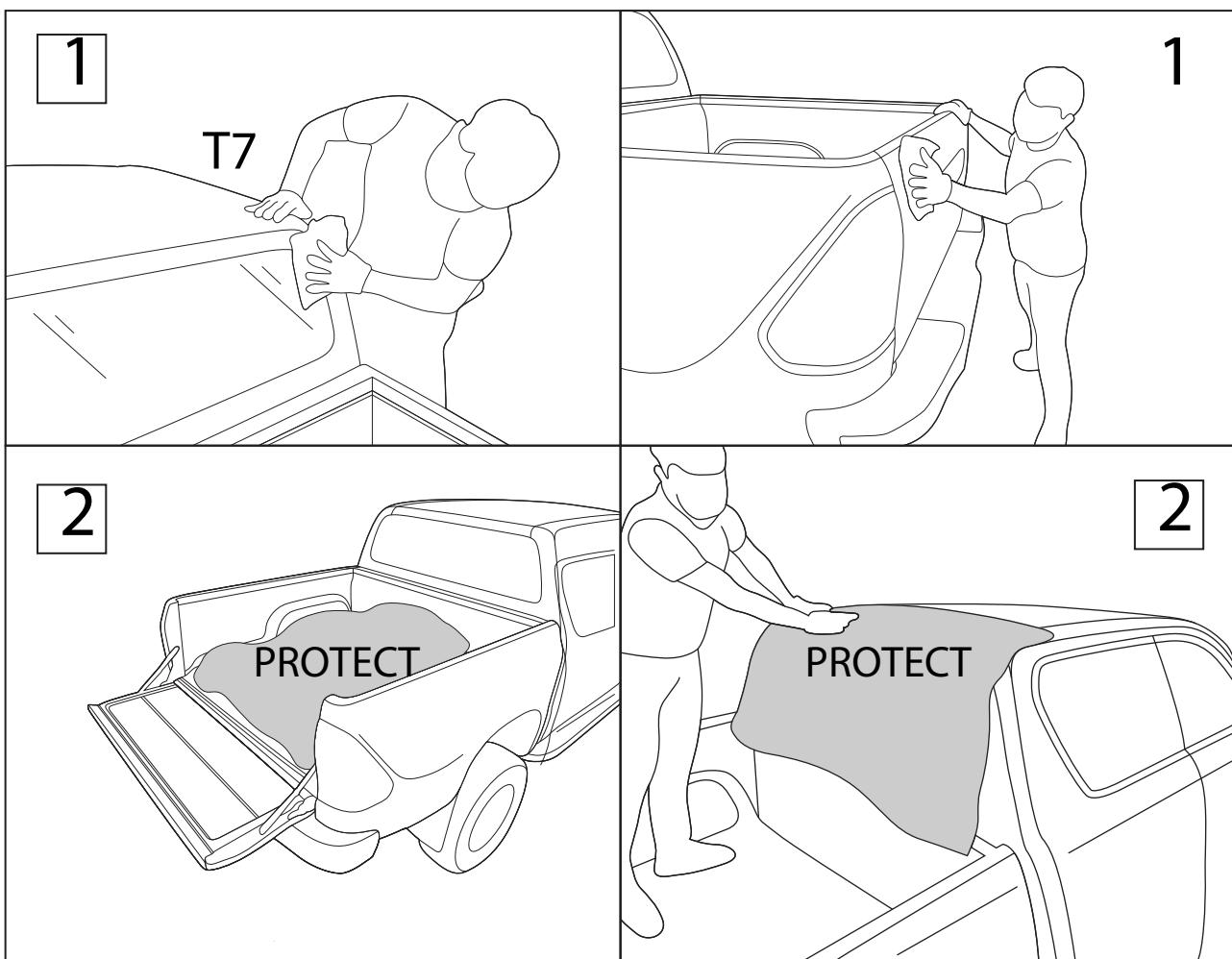
Press and push the Roof rack cover back to the position by hand, then check the gap between cover and roof rack (pipe)



11

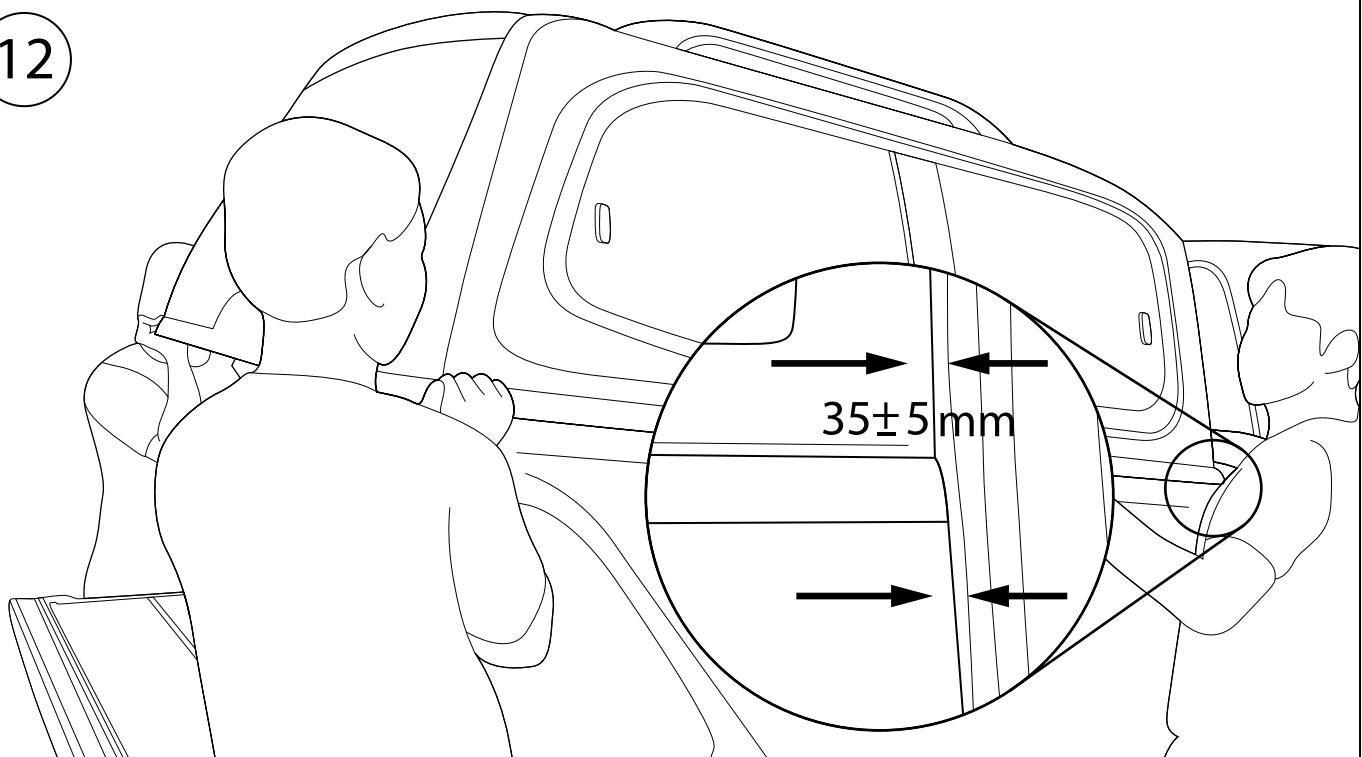
The process of checking and preparing the toyota Hilux Revo vehicle before install the canopy

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



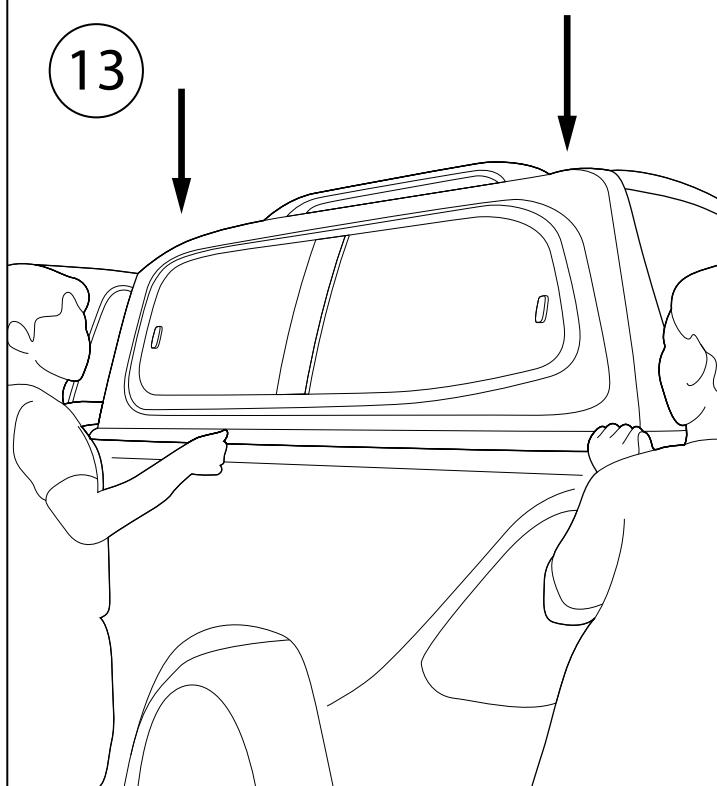


12

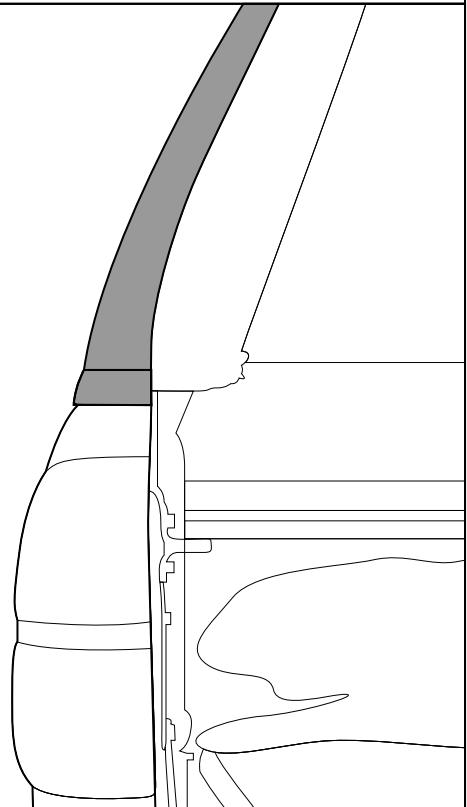


Lift canopy over the pick up truck by rising the rear part higher and the front part to be in the parallel with the edge of the vehicle tub.

13



14



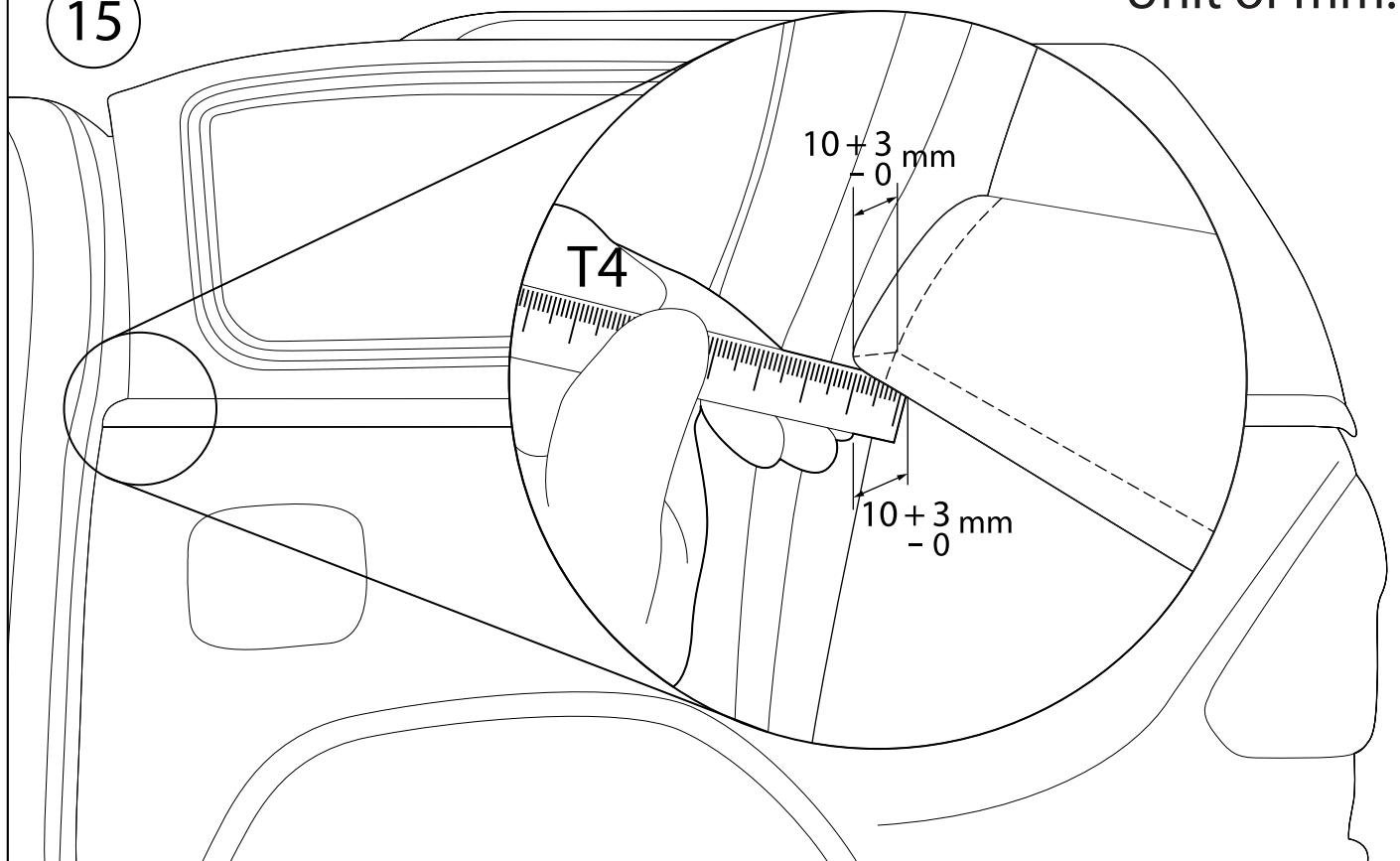
After get the distance in front part and then put the rear part to cover the vehicle tub.

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



15

Unit of mm.



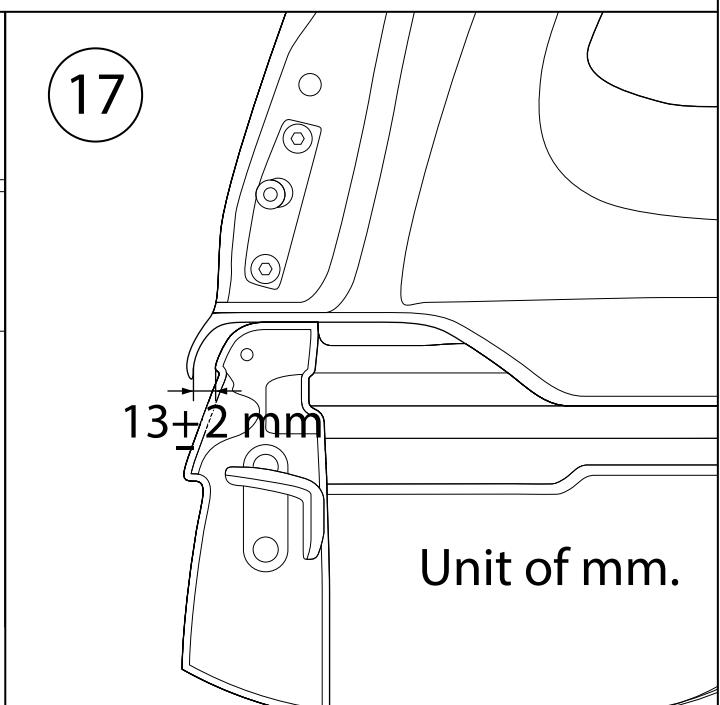
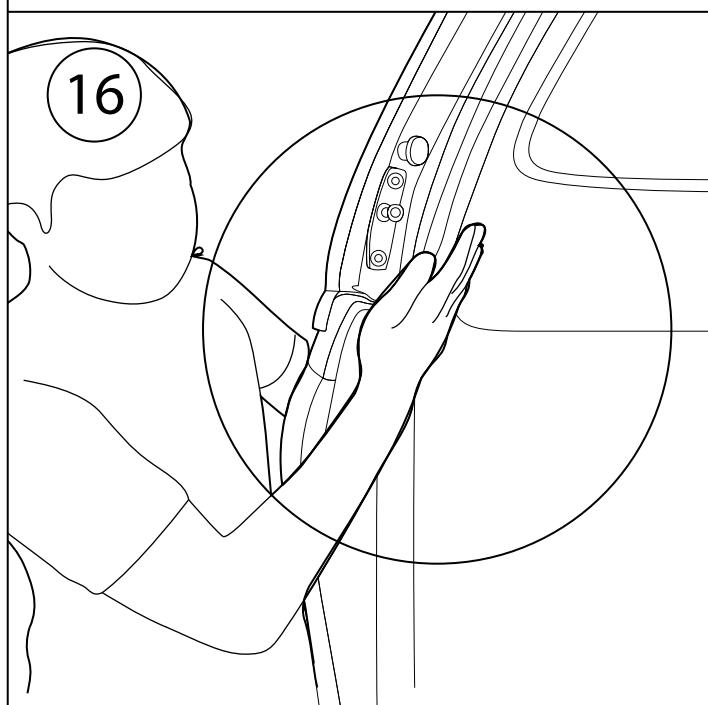
Measure the distance between canopy coverail and the vehicle, to have the 10+3-0 mm distance in overall

16

17

Unit of mm.

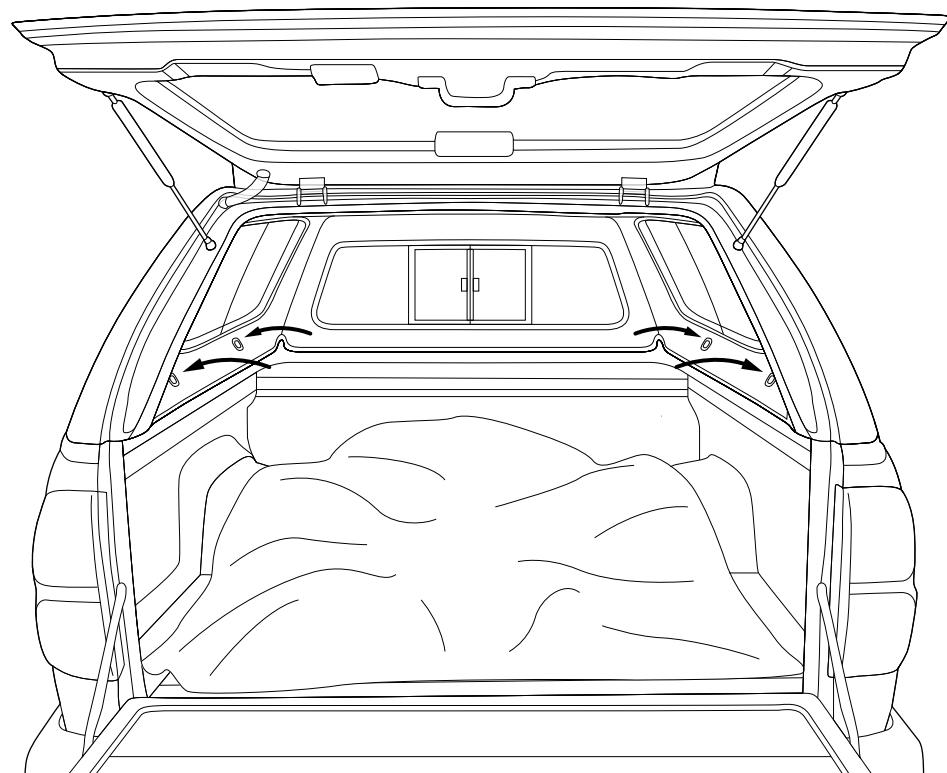
13+2 mm



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

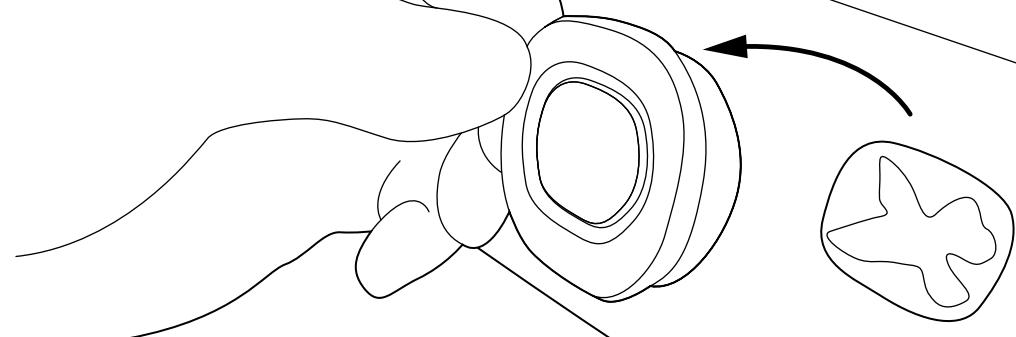
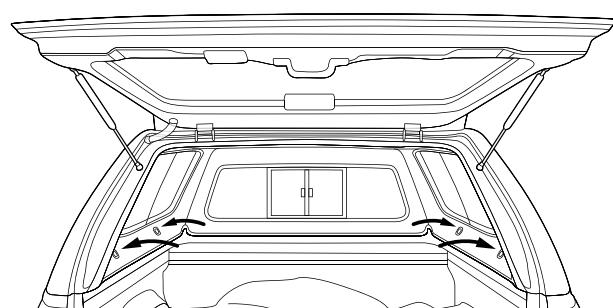


18 The process of C-Clamp installation S-Plus V2 canopy model with the vehicle



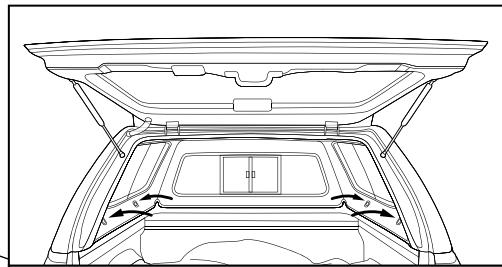
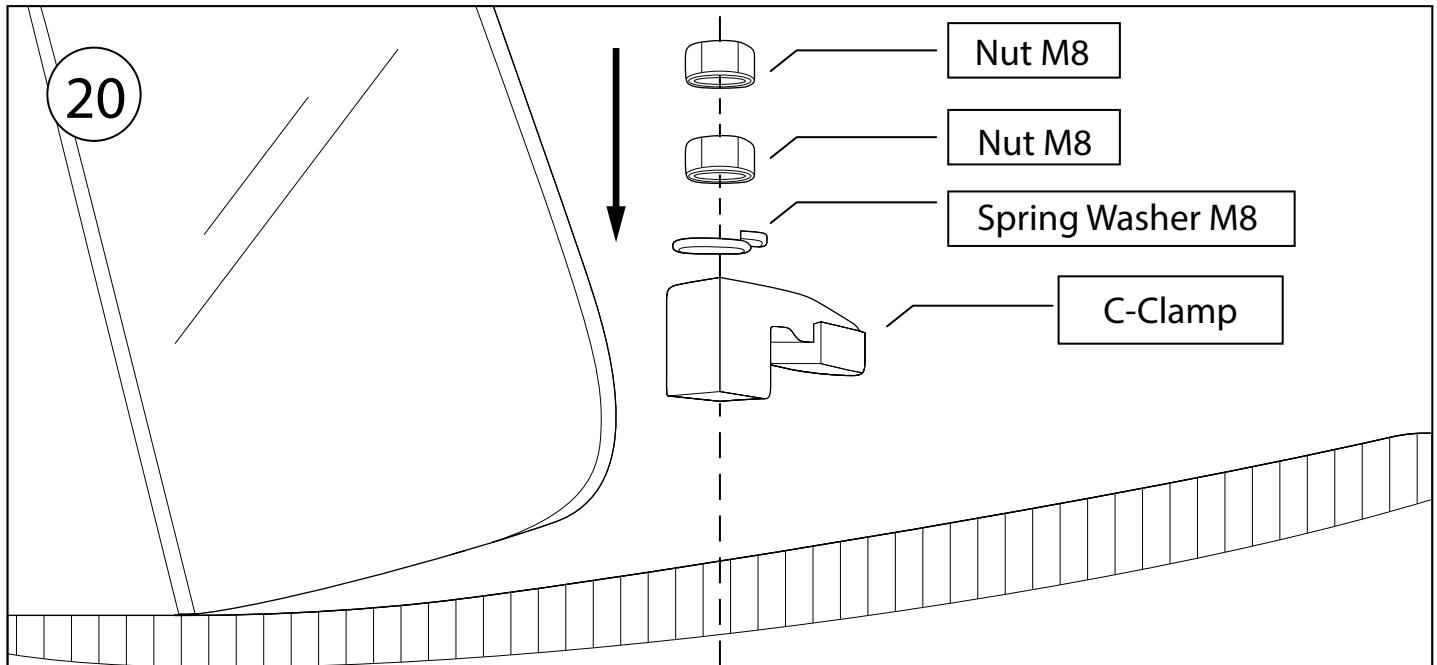
19

Open / take off the rubber plug

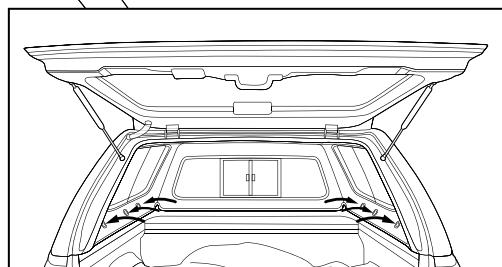




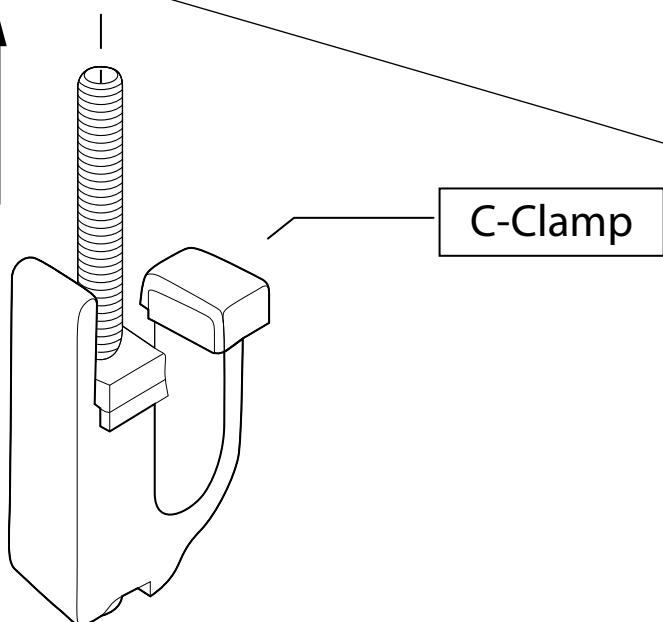
20



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



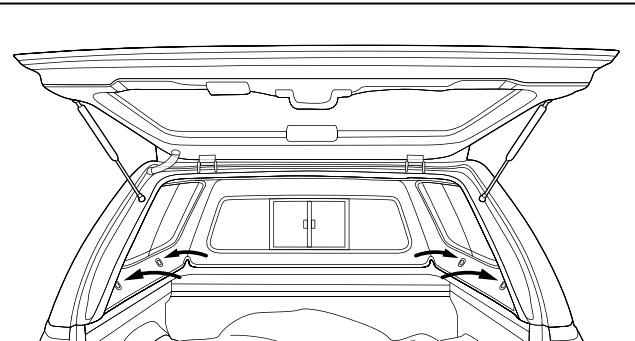
The process of C-Clamp installation onto the vehicle tub, all 6 positions (C-Cab).





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

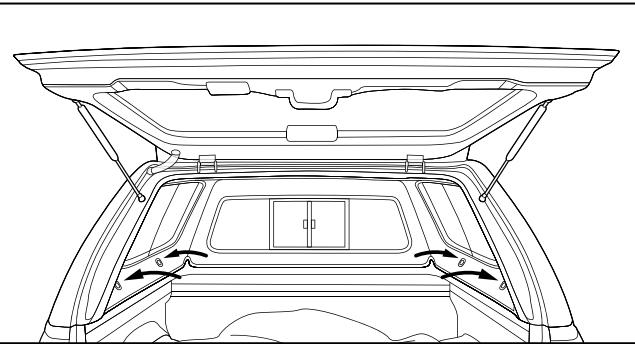
D-Cab

Steps of canopy C-Clamp bolts tightening onto vehicle

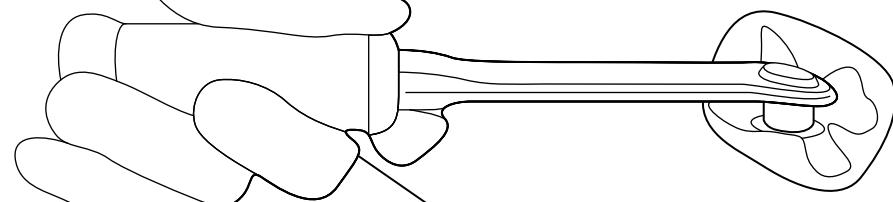


20.3

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

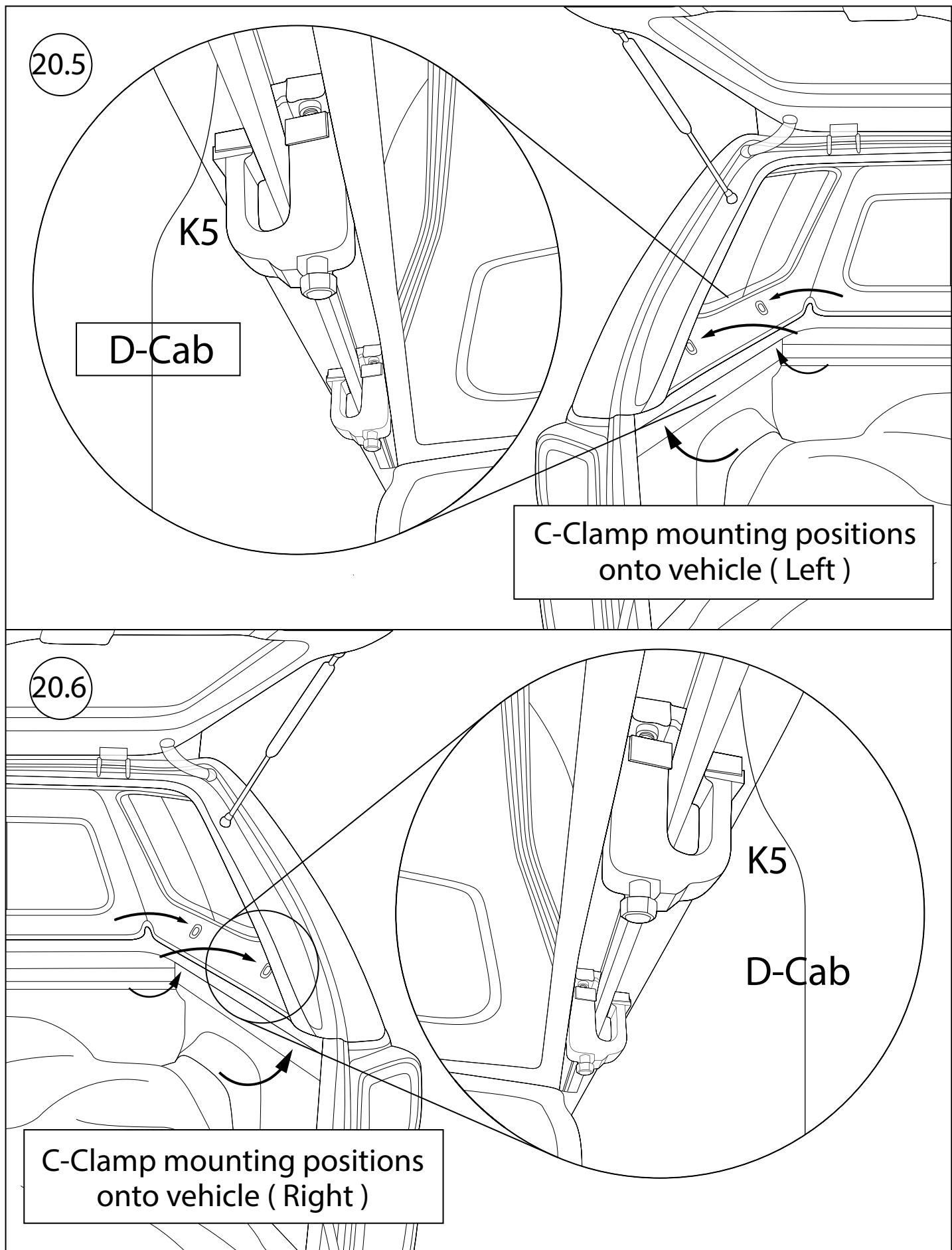
3

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

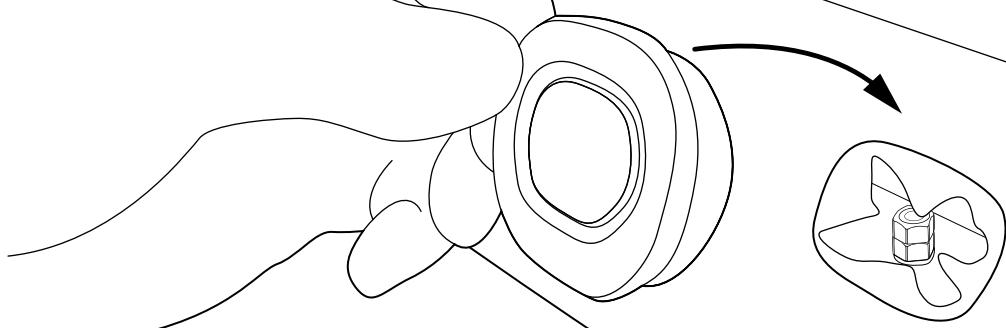
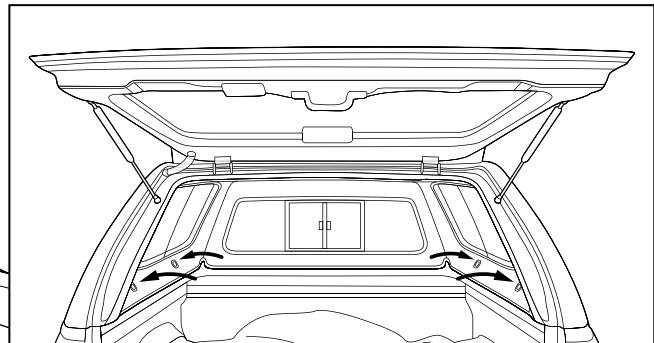
C-Cab

Steps of canopy C-Clamp bolts tightening onto vehicle



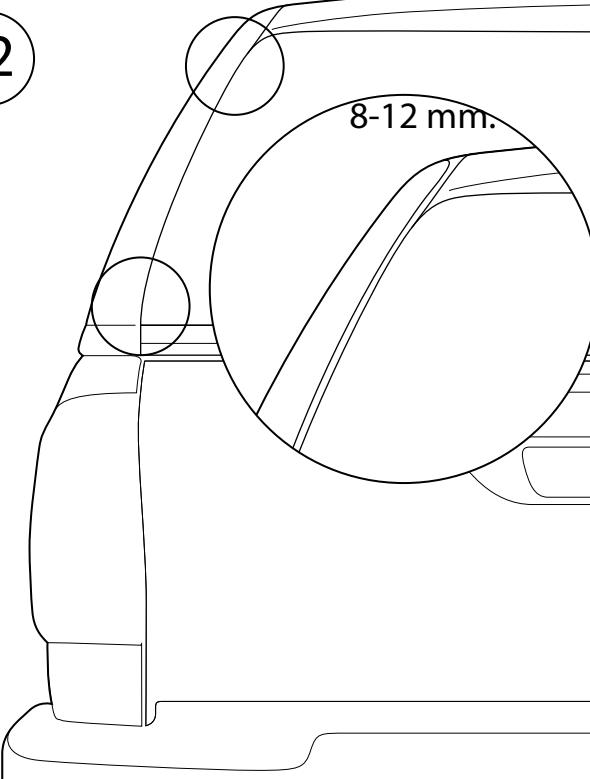


21

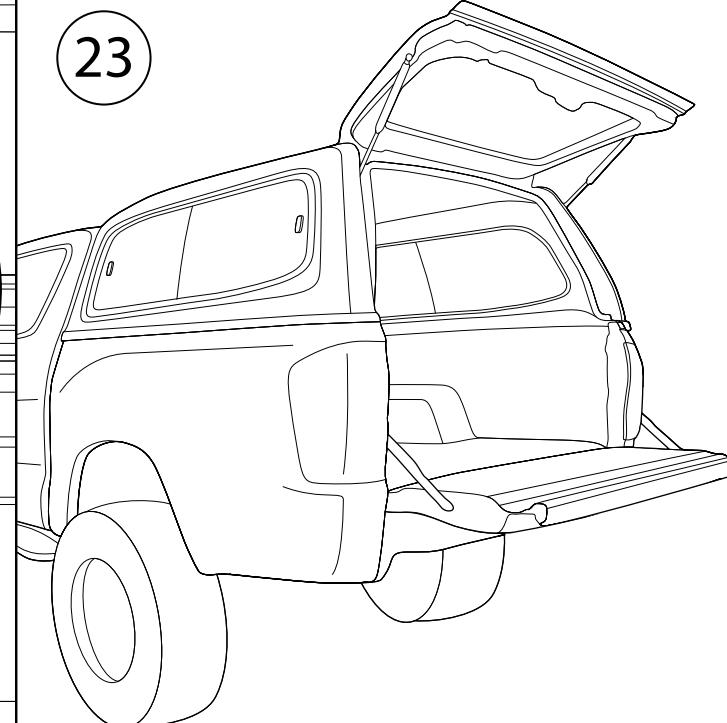


Close the rubber plug

22



23



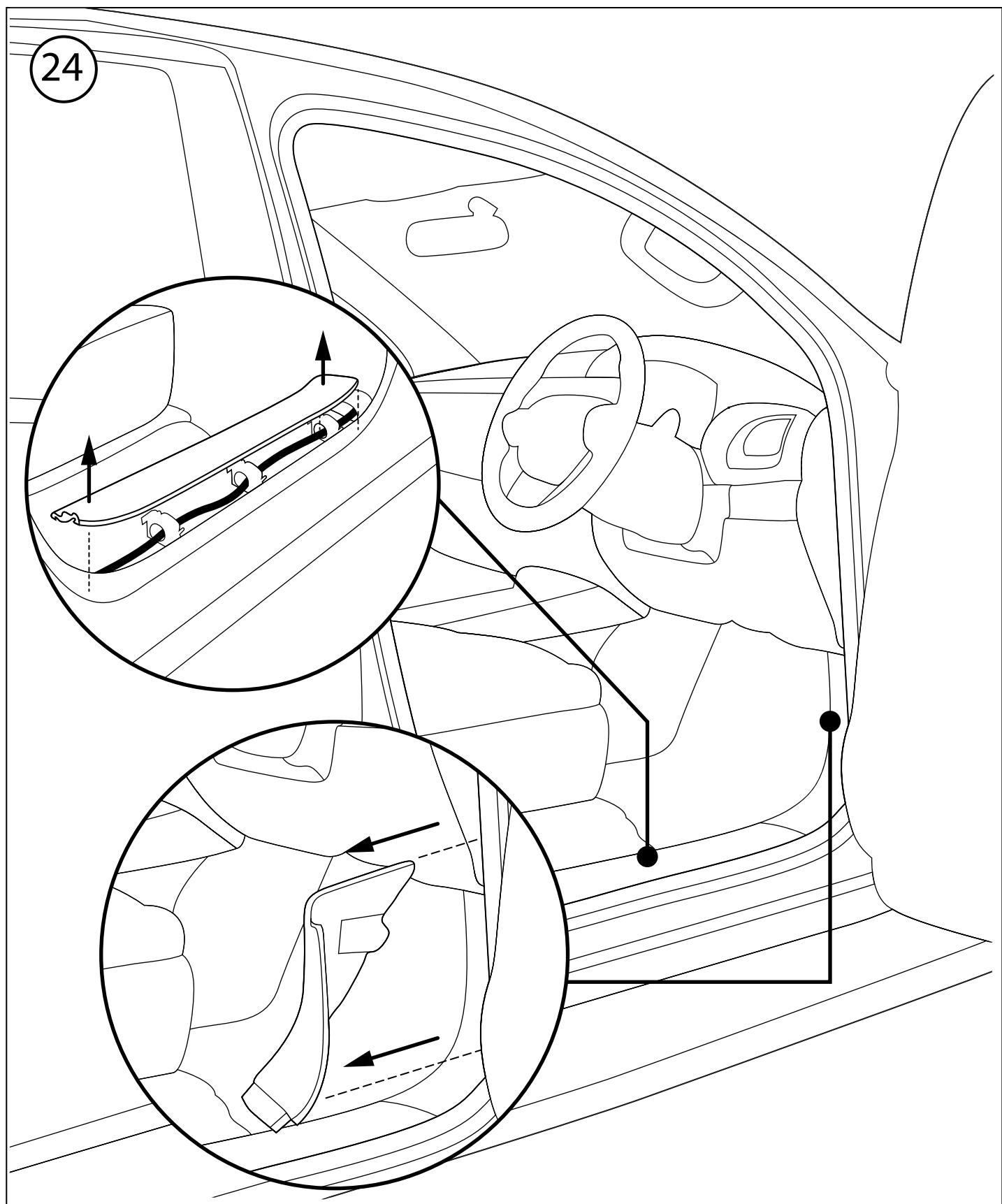
Measure the distance between backdoor and rear pillar, to have the 8-12 mm. in along the line.

The process of canopy installation is completed

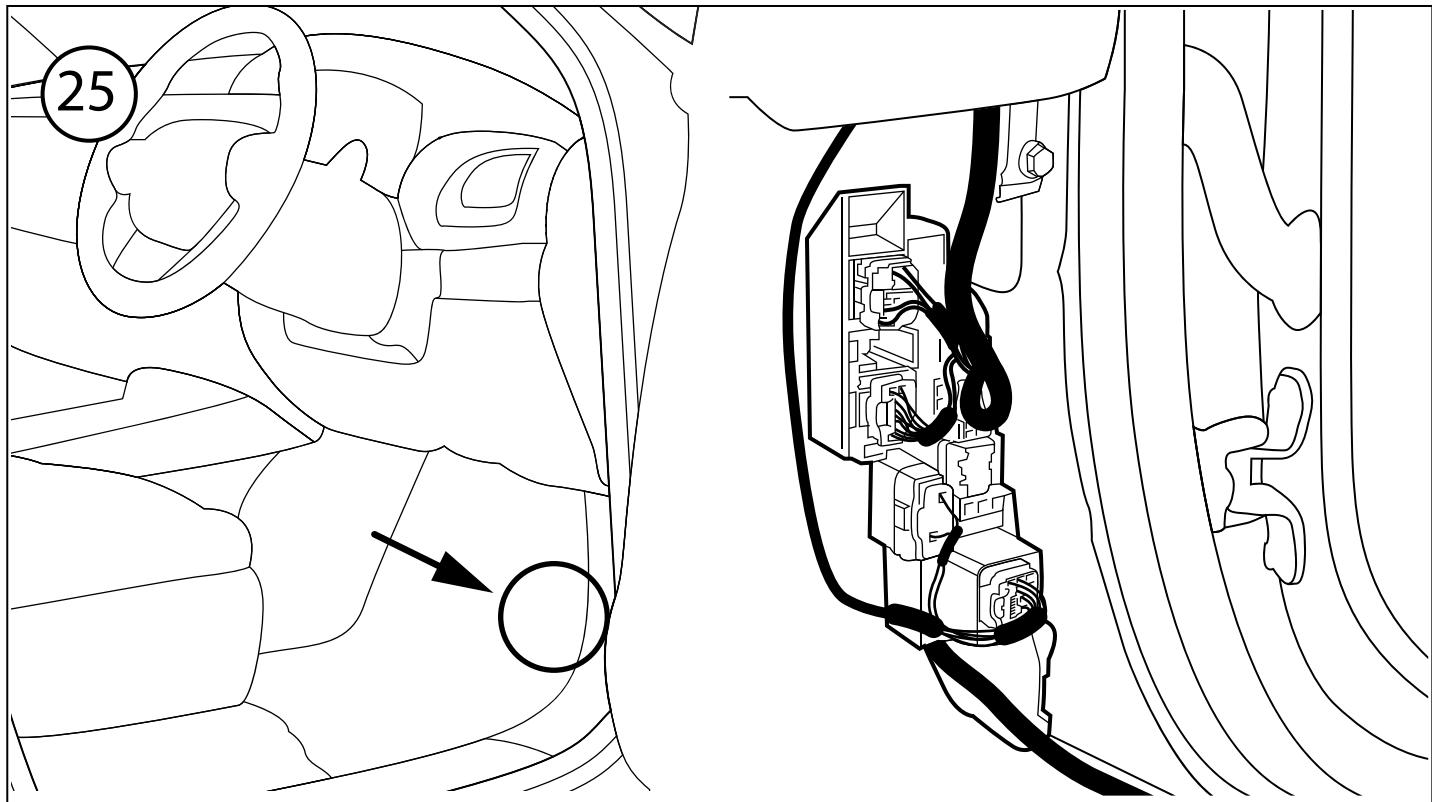


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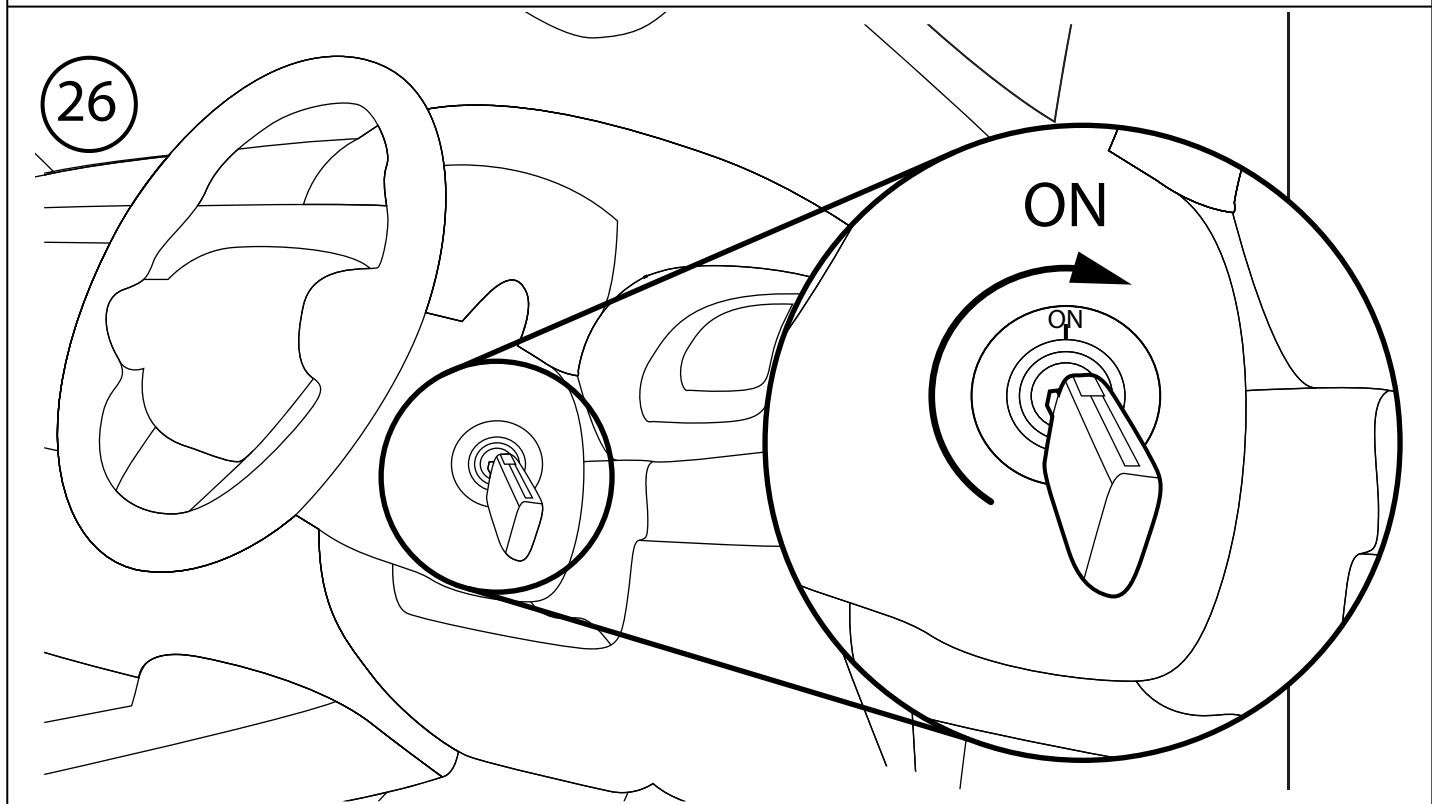
Electrical Installation Manual



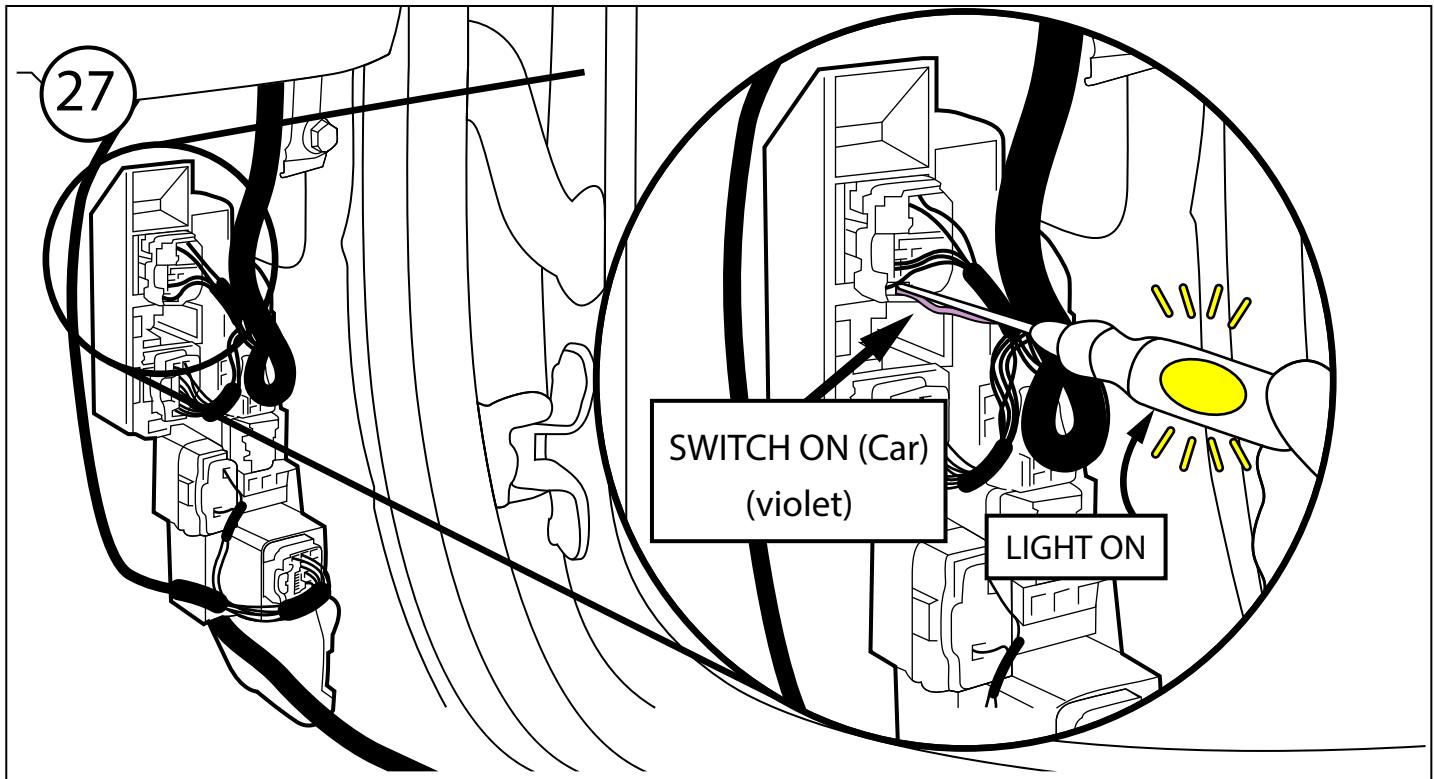
Take off the Wiring Cover at the driver side in order to
check the wiring position.



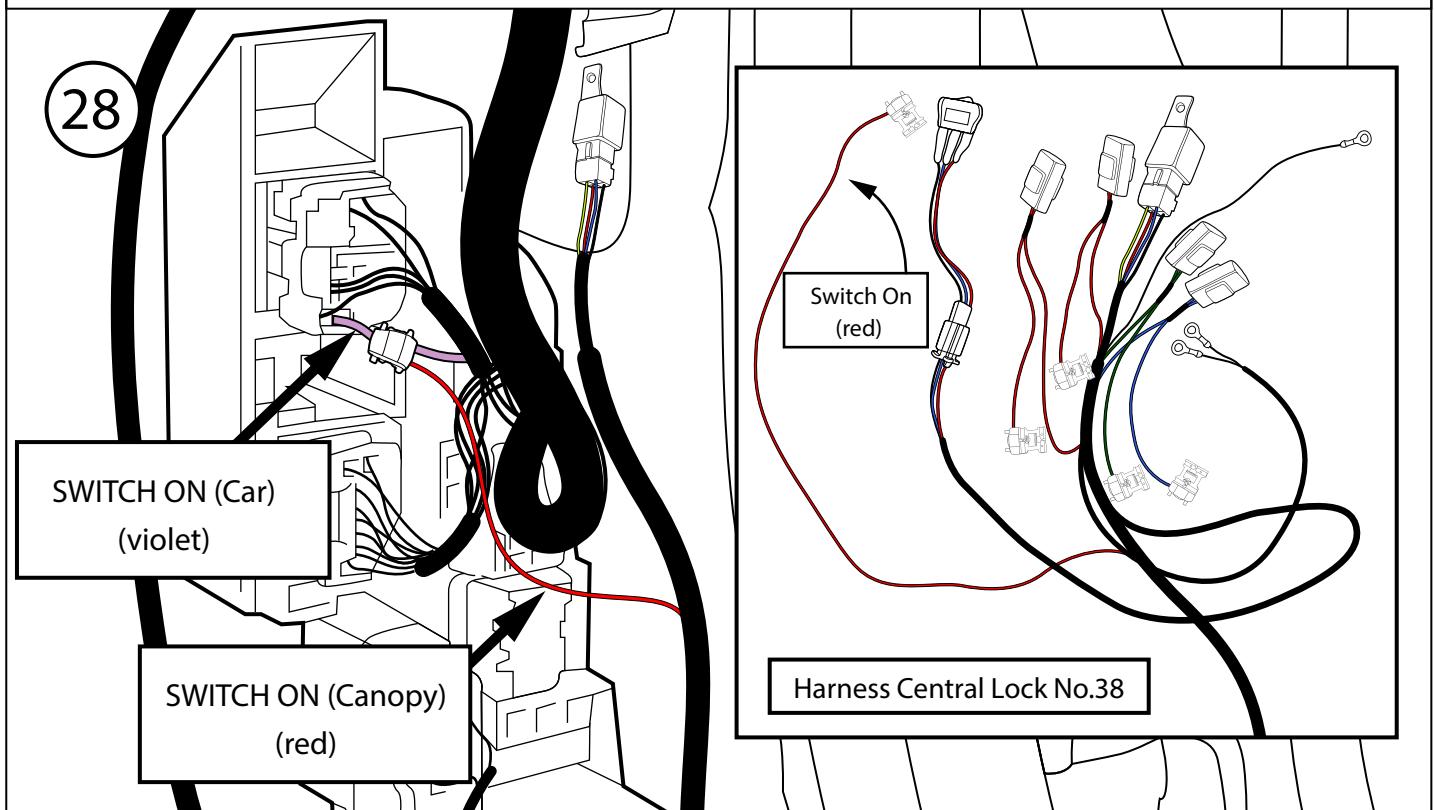
Control Box position that will connect with Harness Central Lock No.38



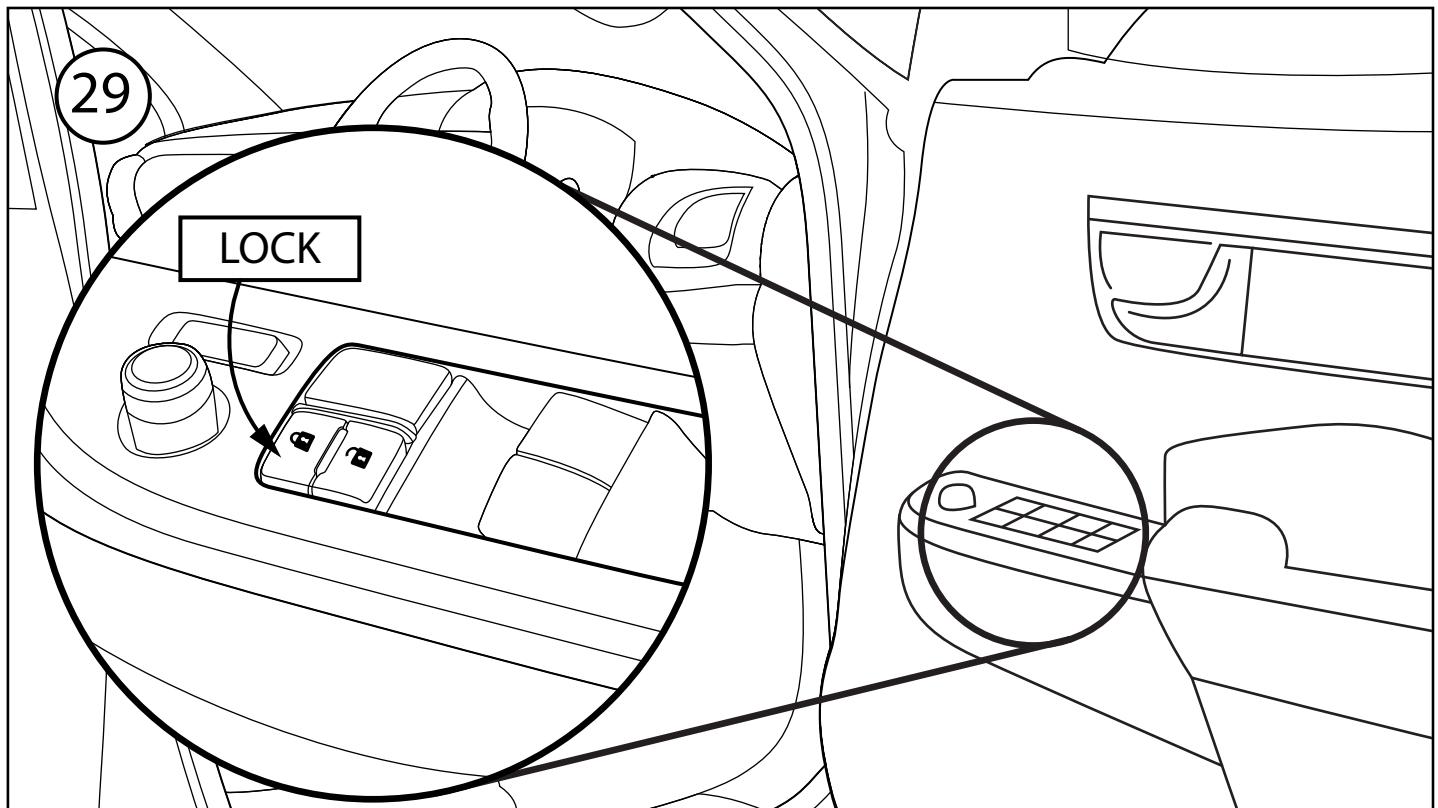
Step of checking Switch on position, begin with turning the key to ON position.



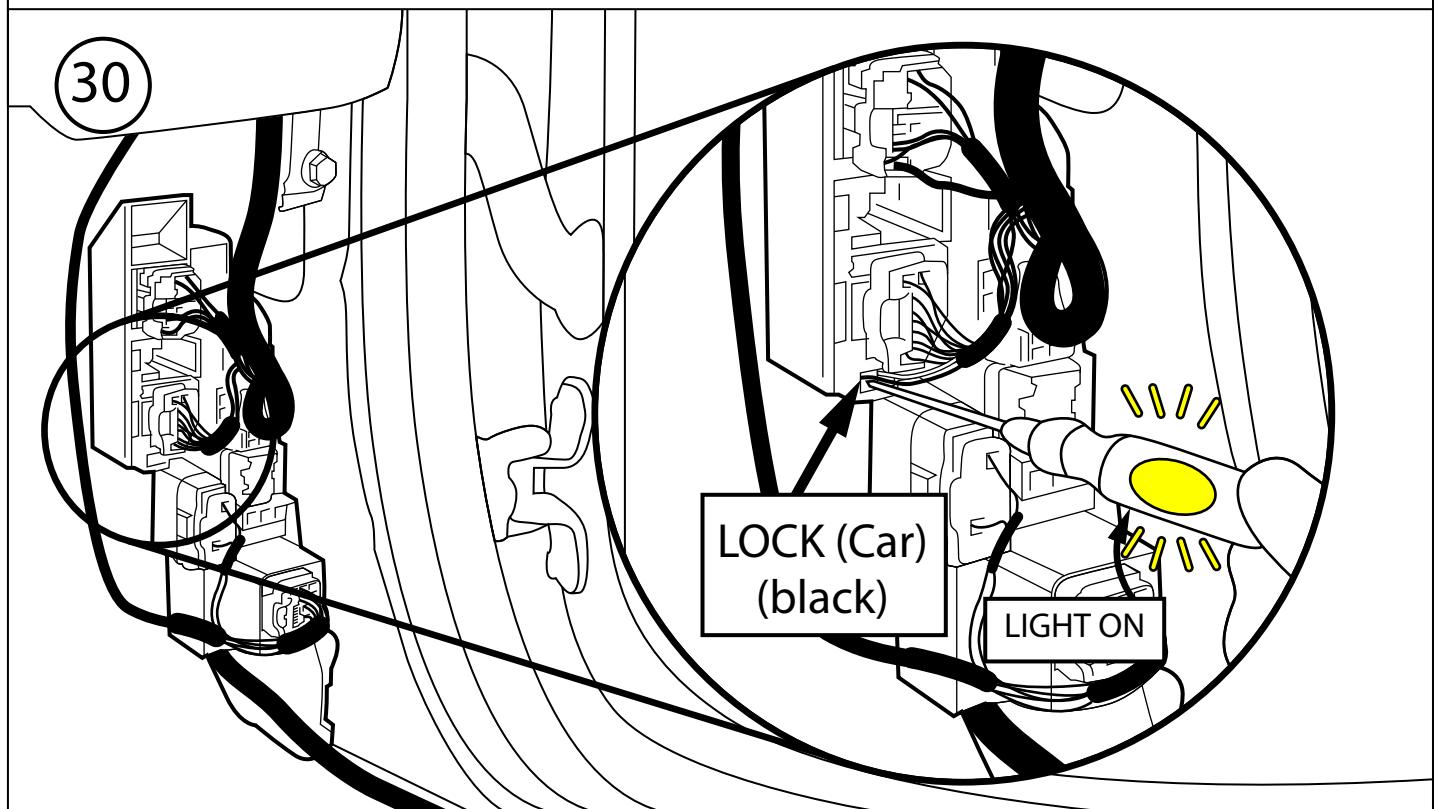
Checking the Switch On of vehicle position by using the Test Lamp kit.



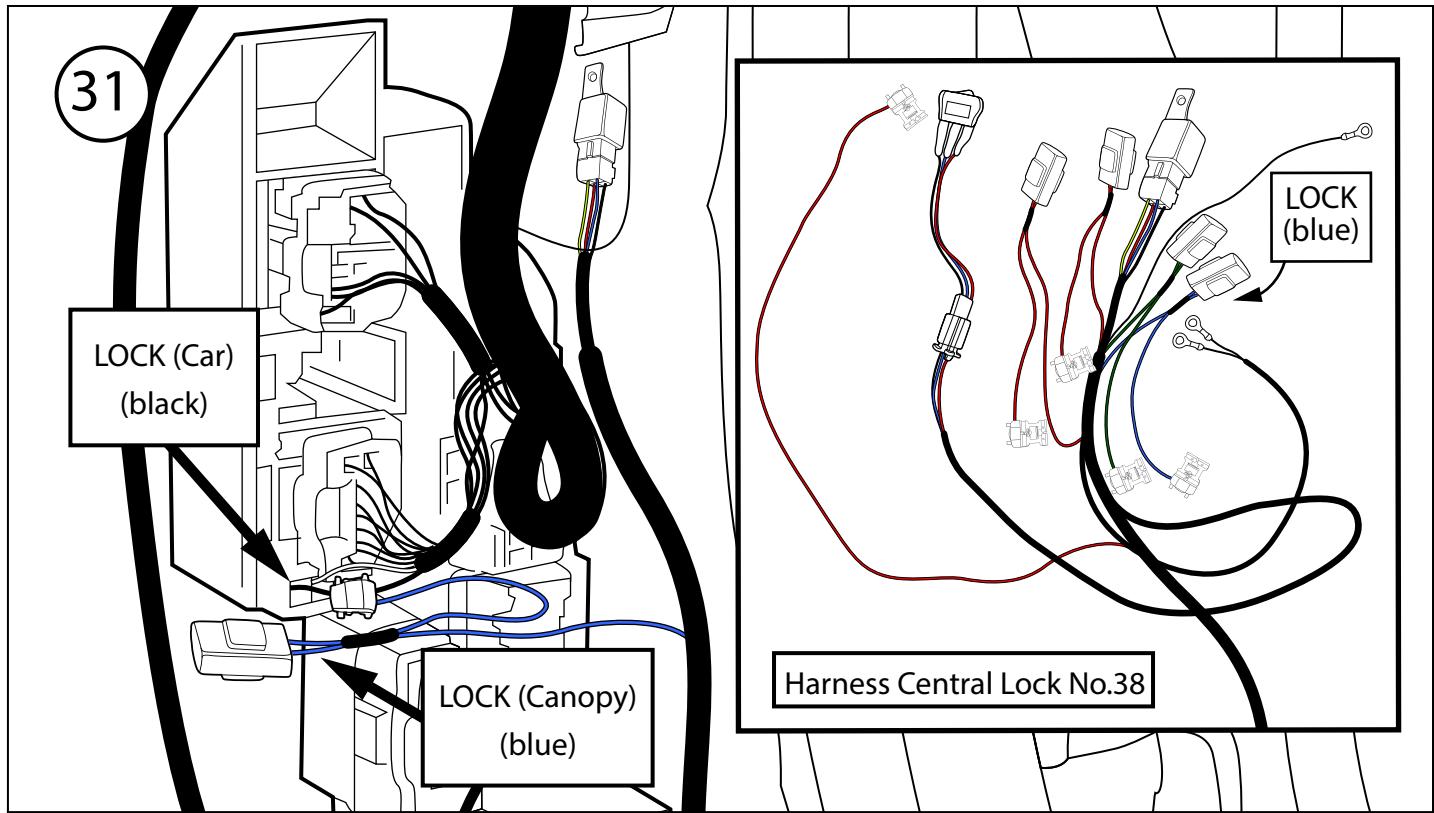
Connect the Harness Central Lock No.38 with the vehicle socket by bring the Red Wiring (Switch ON) of the Harness Central Lock No.38 connects with the purple wiring (Switch ON) of the vehicle wiring.



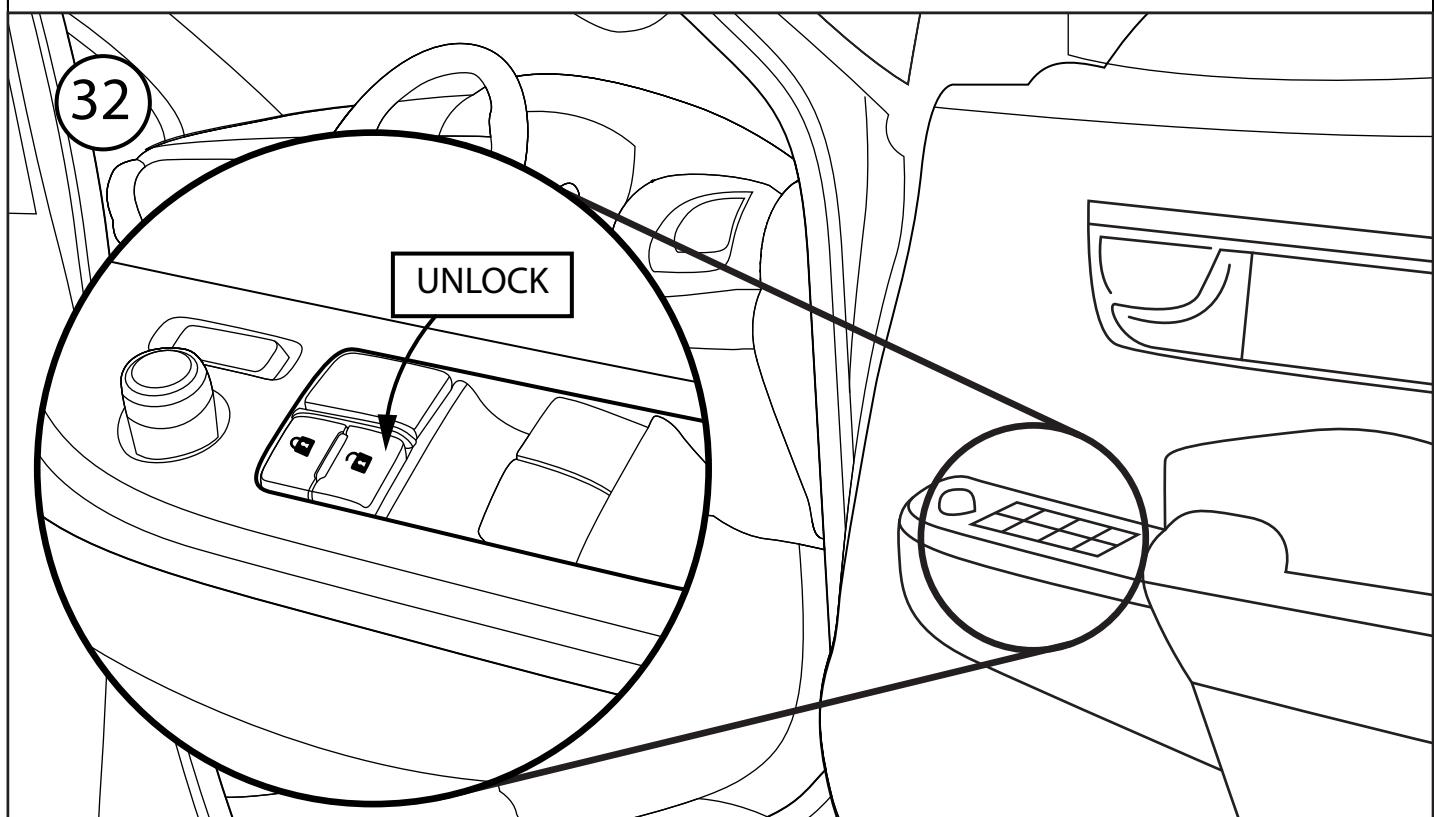
Step of Checking the light of the Central Lock (Lock), begin with push the Lock button at the door panel.



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



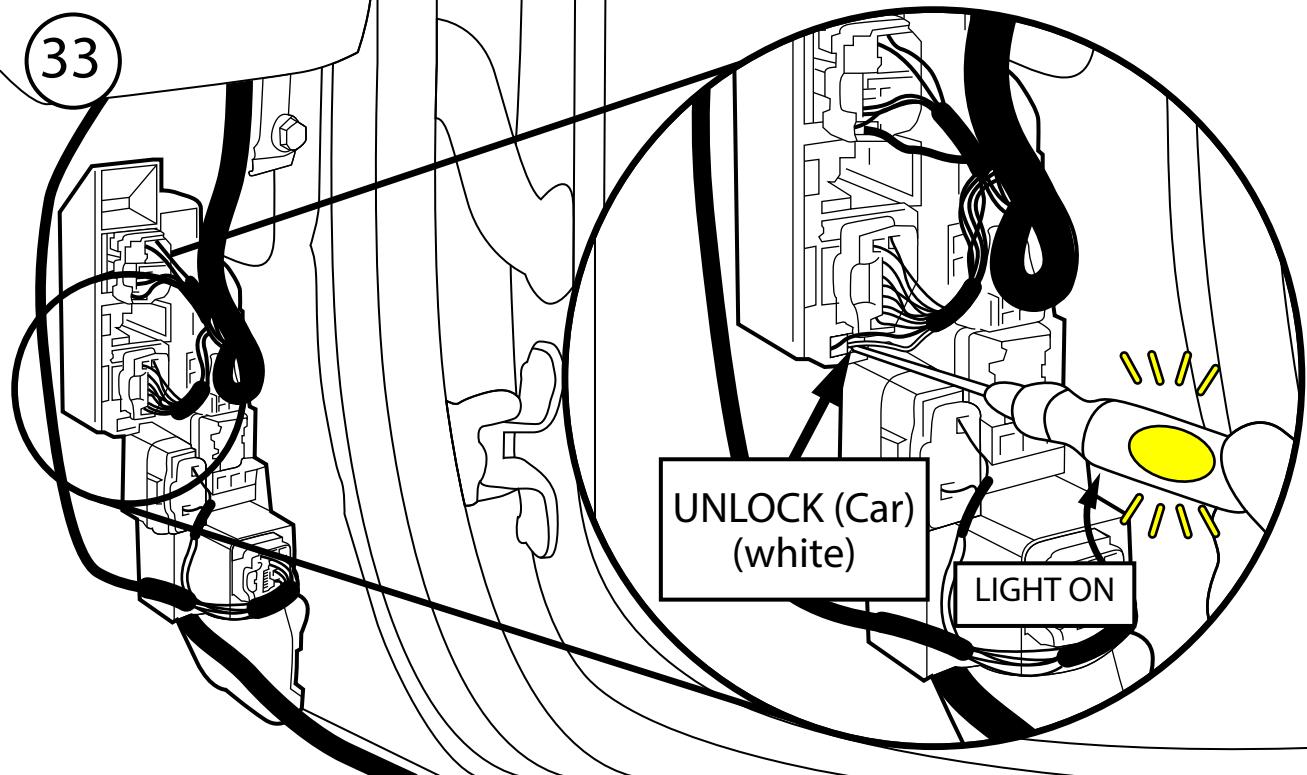
Connects the Blue Wiring (Central Lock/Lock Switch) of the Harness Central Lock No.38 with the Black wiring (BK) of the vehicle (Lock Signal)



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

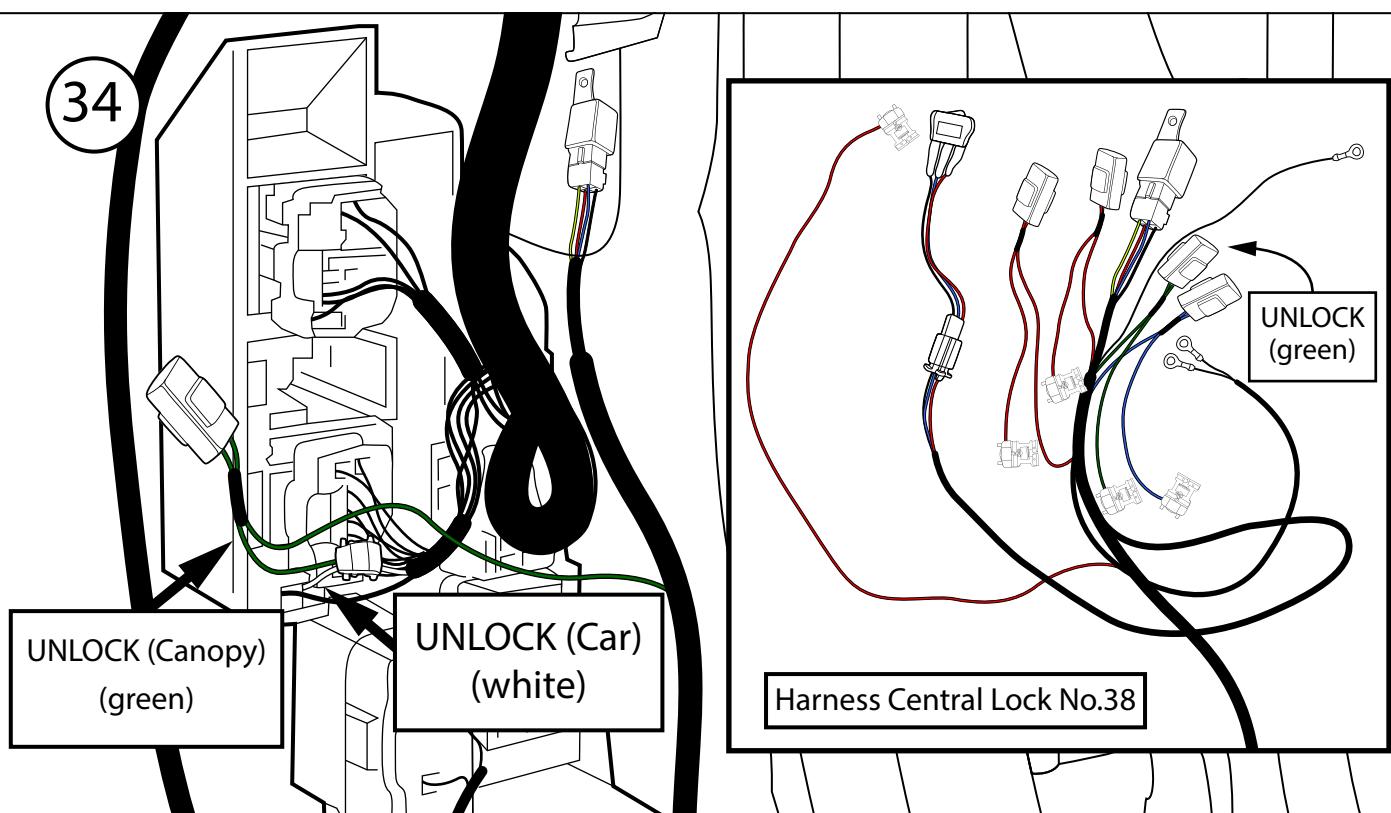


33



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

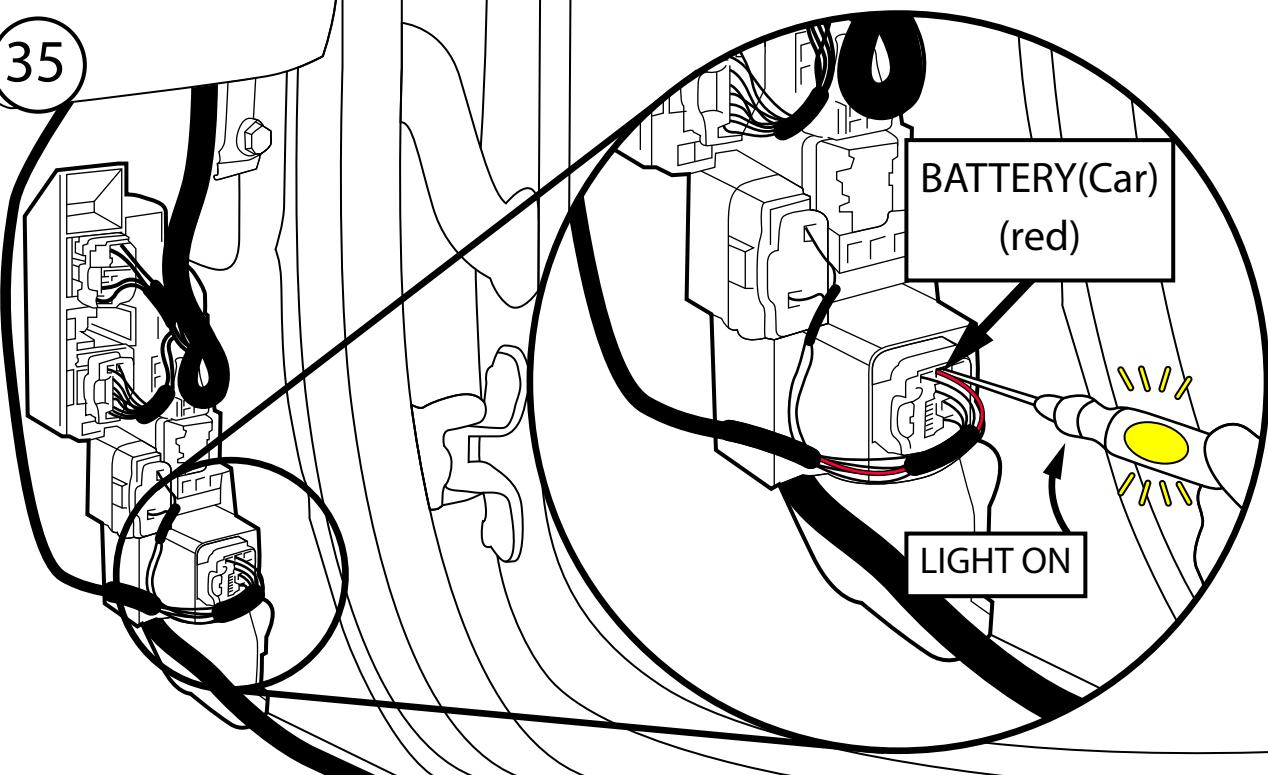
34



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

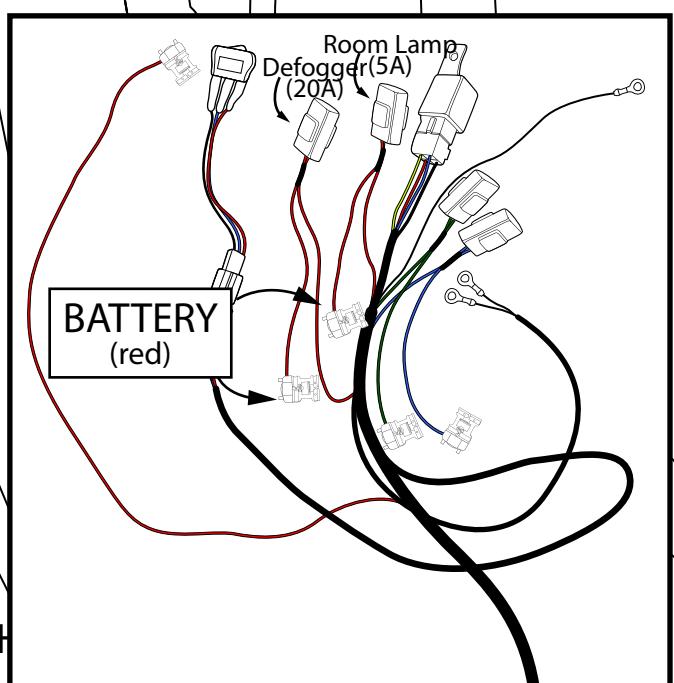
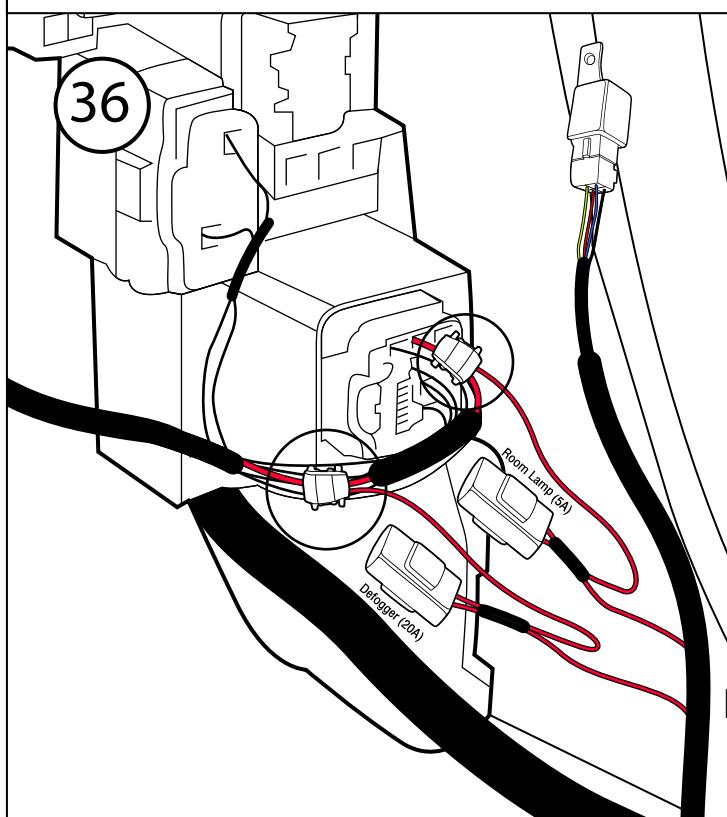


35



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

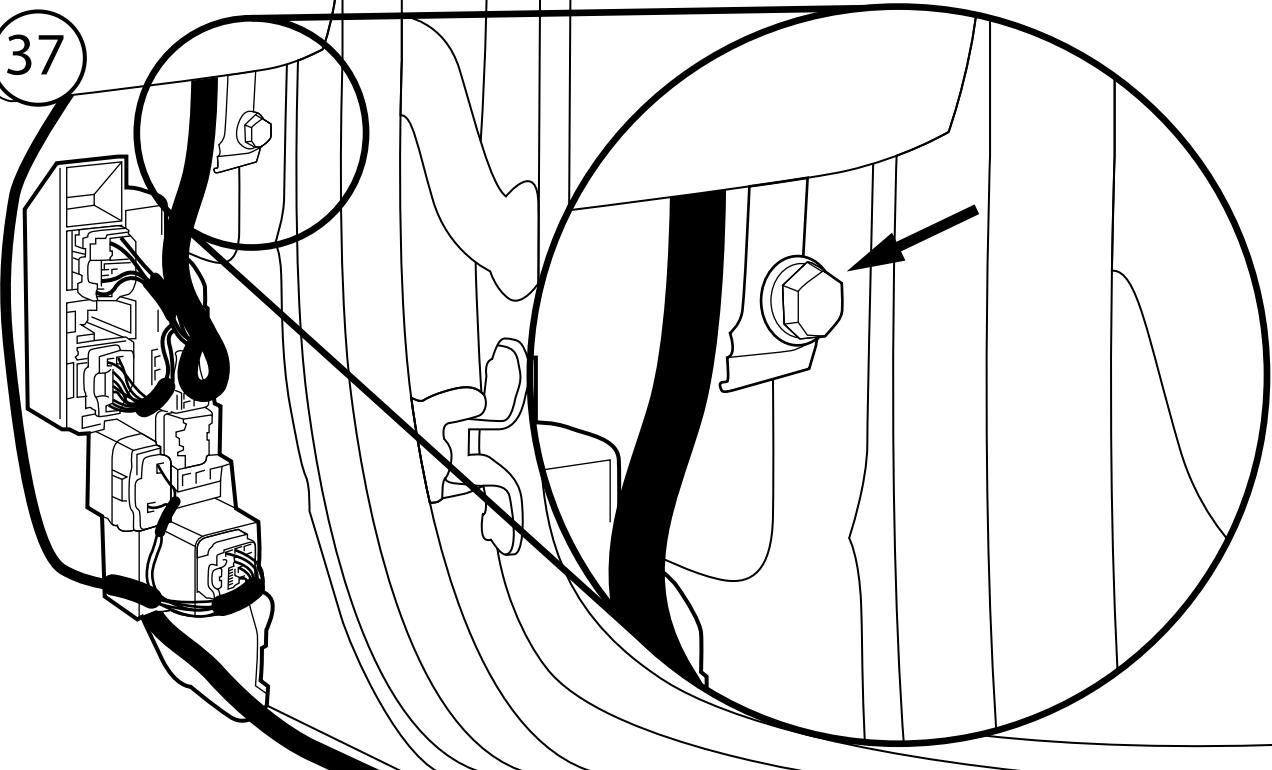
36



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.

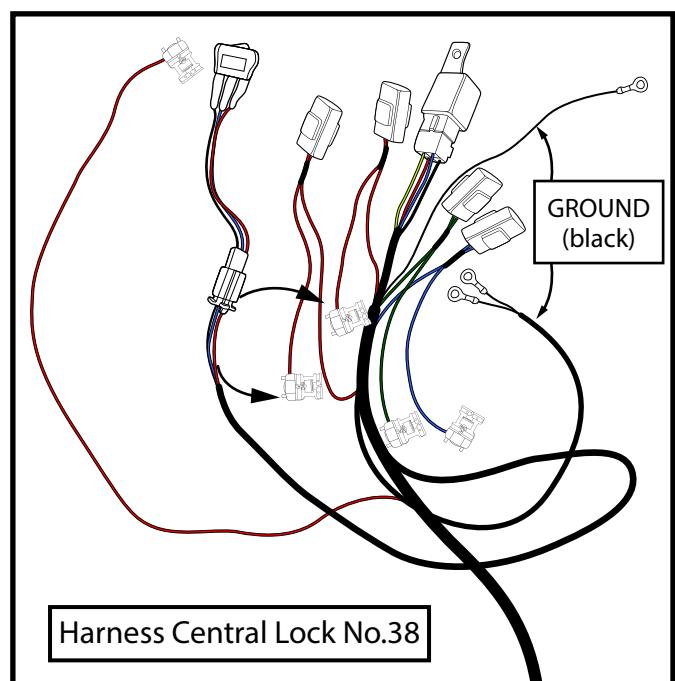
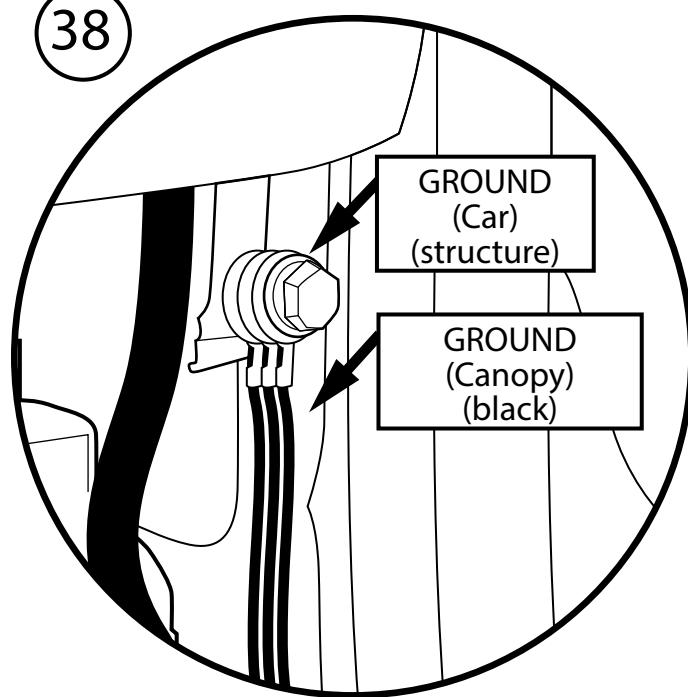


37

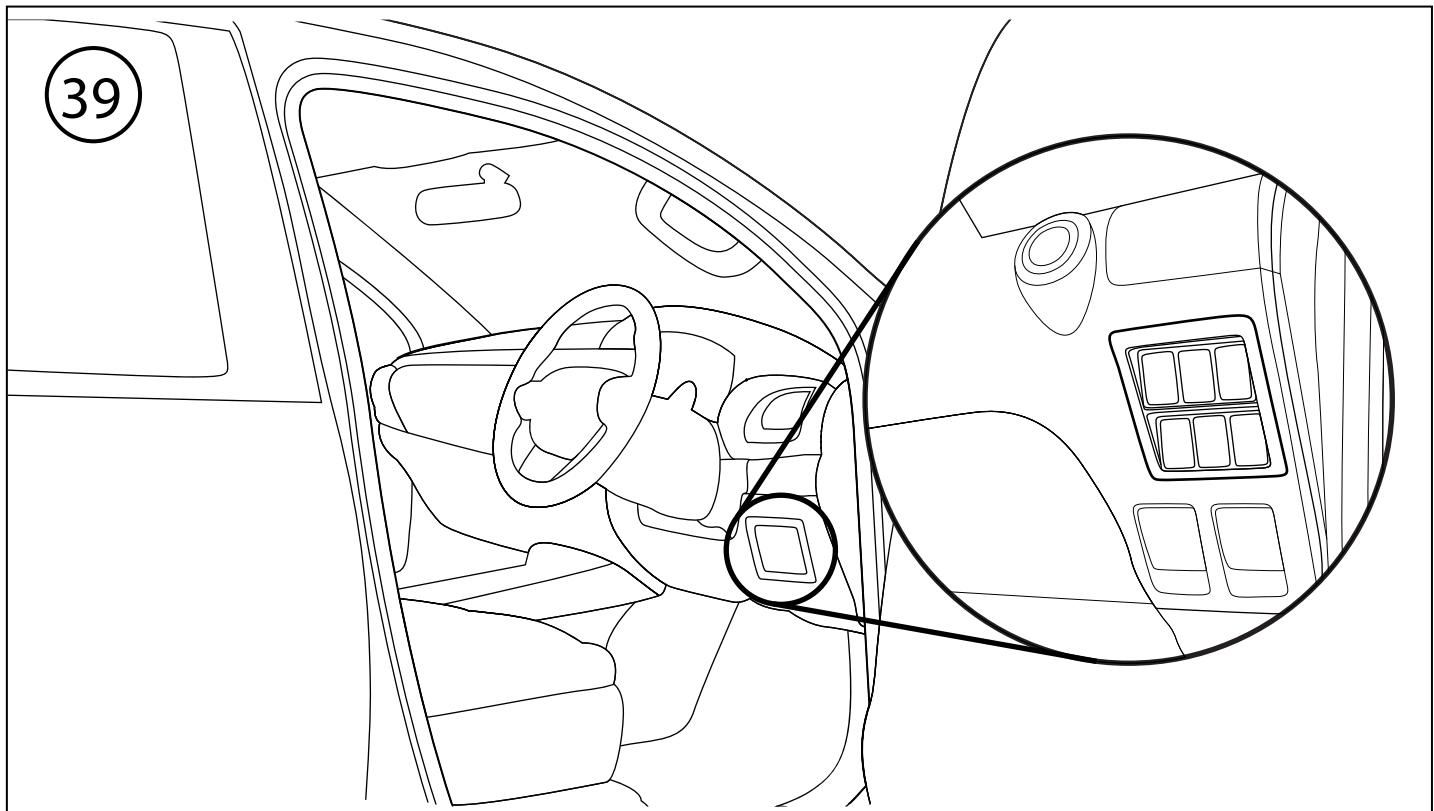


Connecting the Black Wiring (Ground) at the vehicle structure position of the Harness Central Lock No.38.

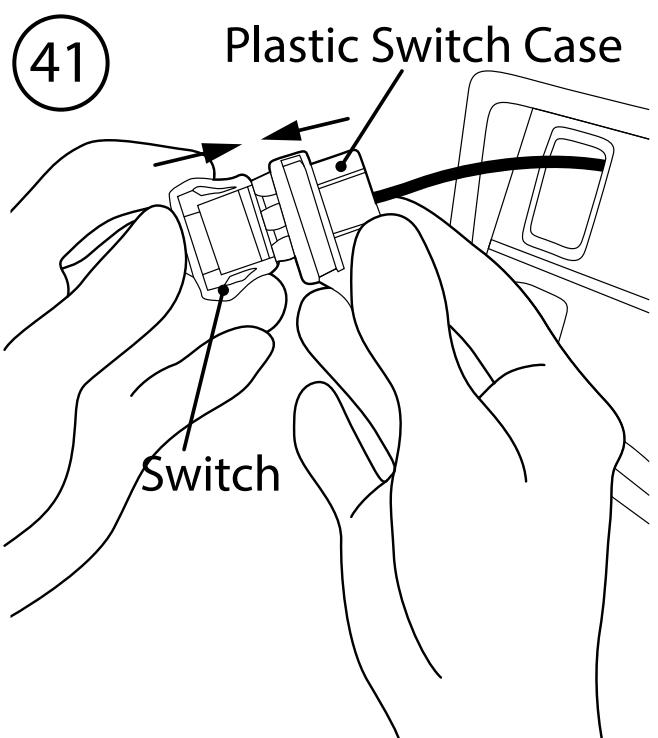
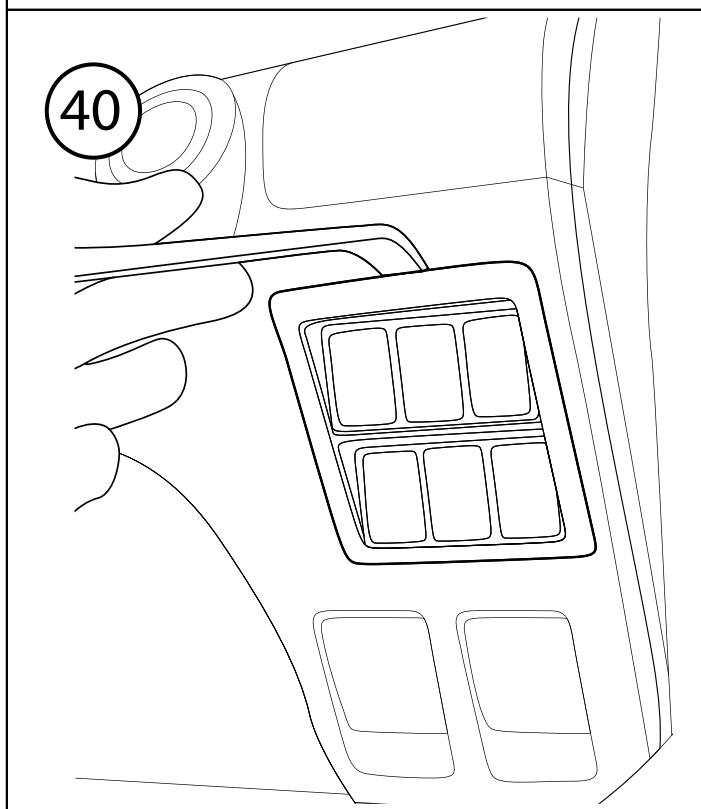
38



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



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



Take off the vehicle switch cover by using plastic tools.

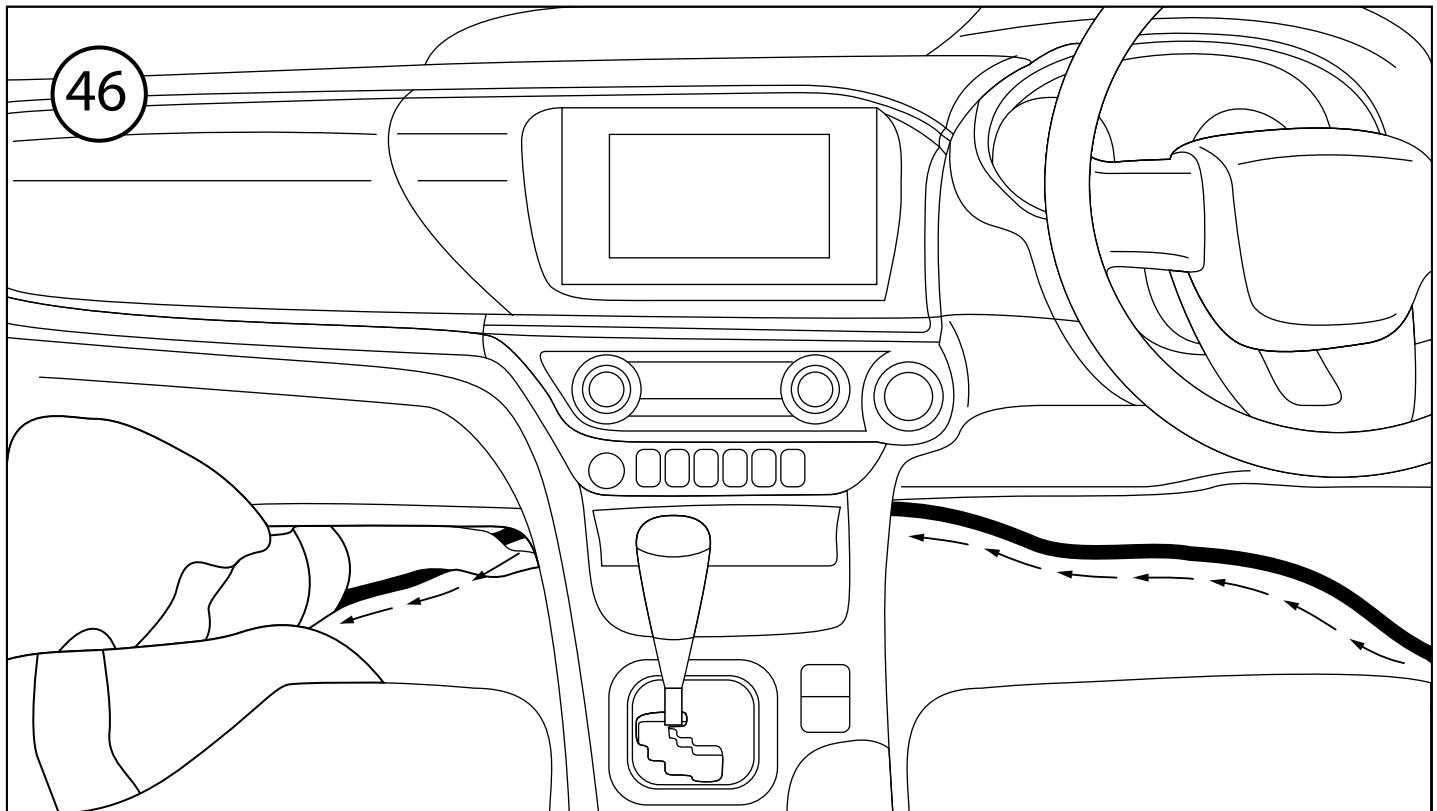
Assemble the Switch Cover with the Harness Central Lock No.38 Wiring Switch.



<p>Running the Switch Wiring of the Harness Central Lock No.38 through the Switch Cover pipe of the vehicle.</p>	<p>After finish the installation step no.42 then run the 2 wiring via the switch cover pipe under the console.</p>
<p>Connects between the 1 wiring and the 2 wiring.</p>	

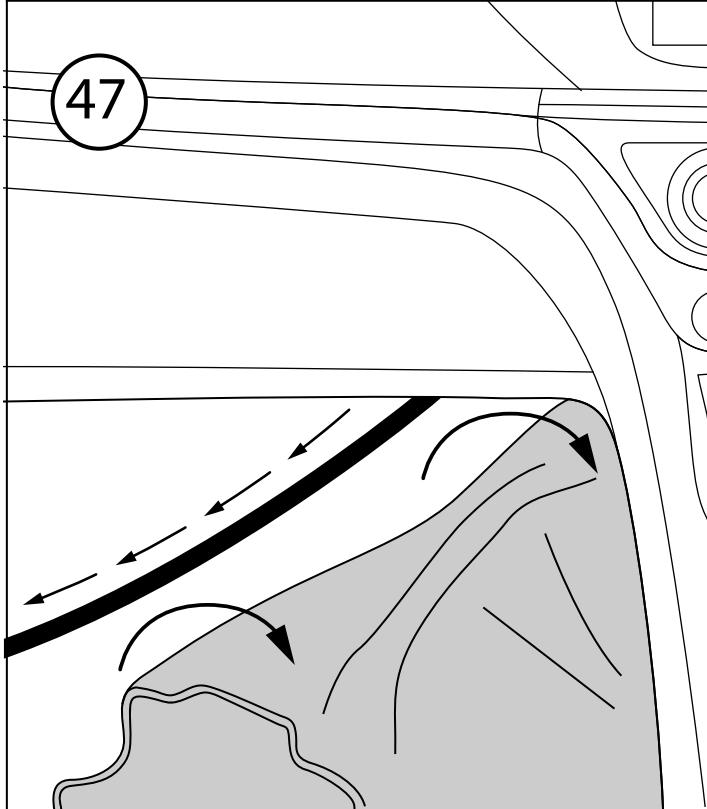


46



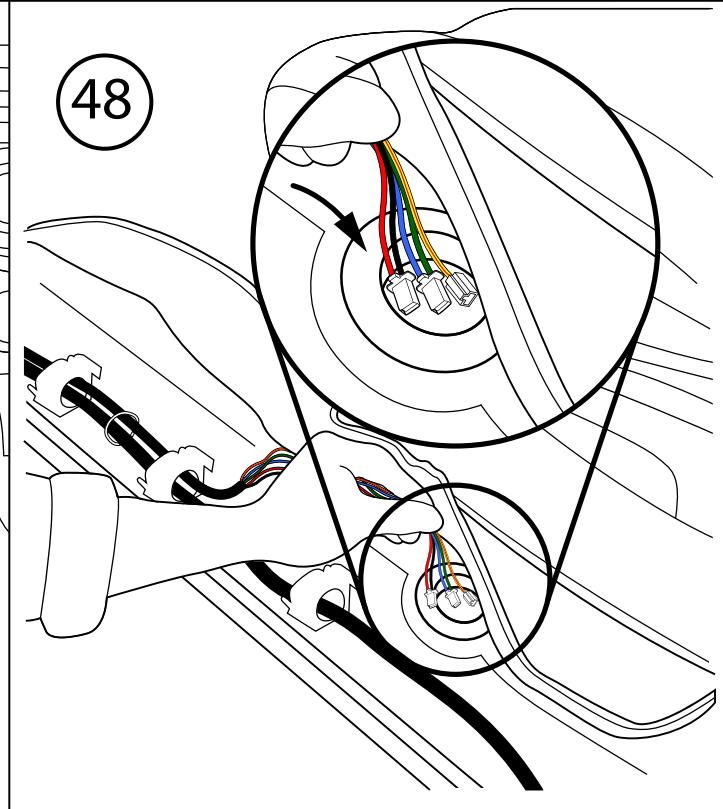
Running the wiring from the driver side through
the passenger side as shown in picture.

47



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

48



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



49 The Step of wiring running diagram

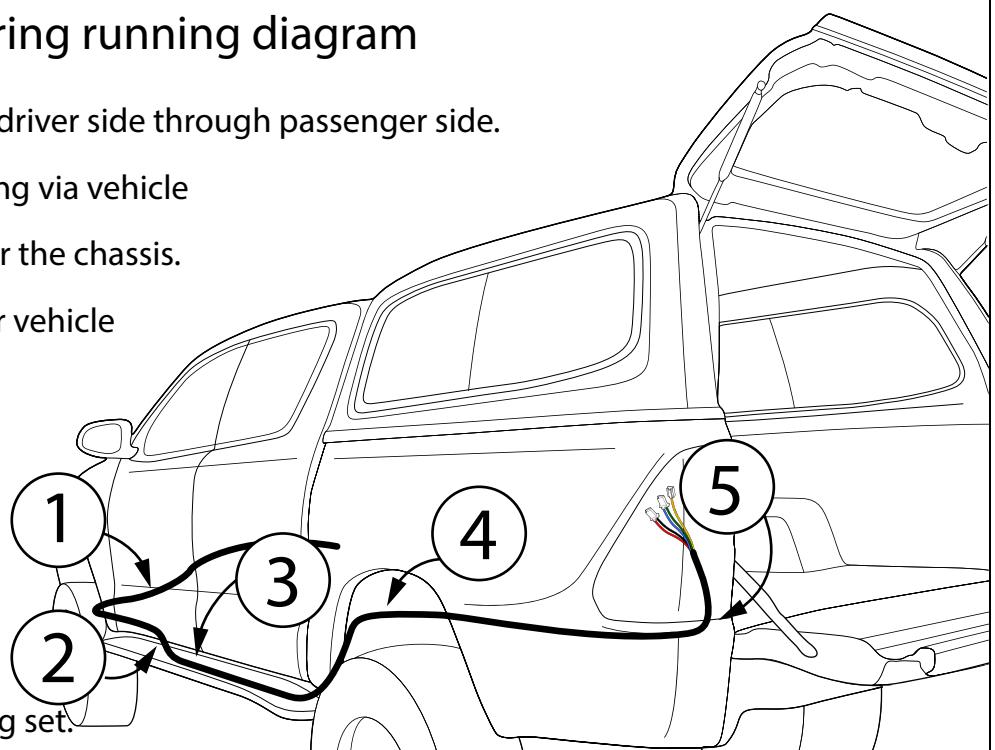
Point 1 Wiring running from driver side through passenger side.

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

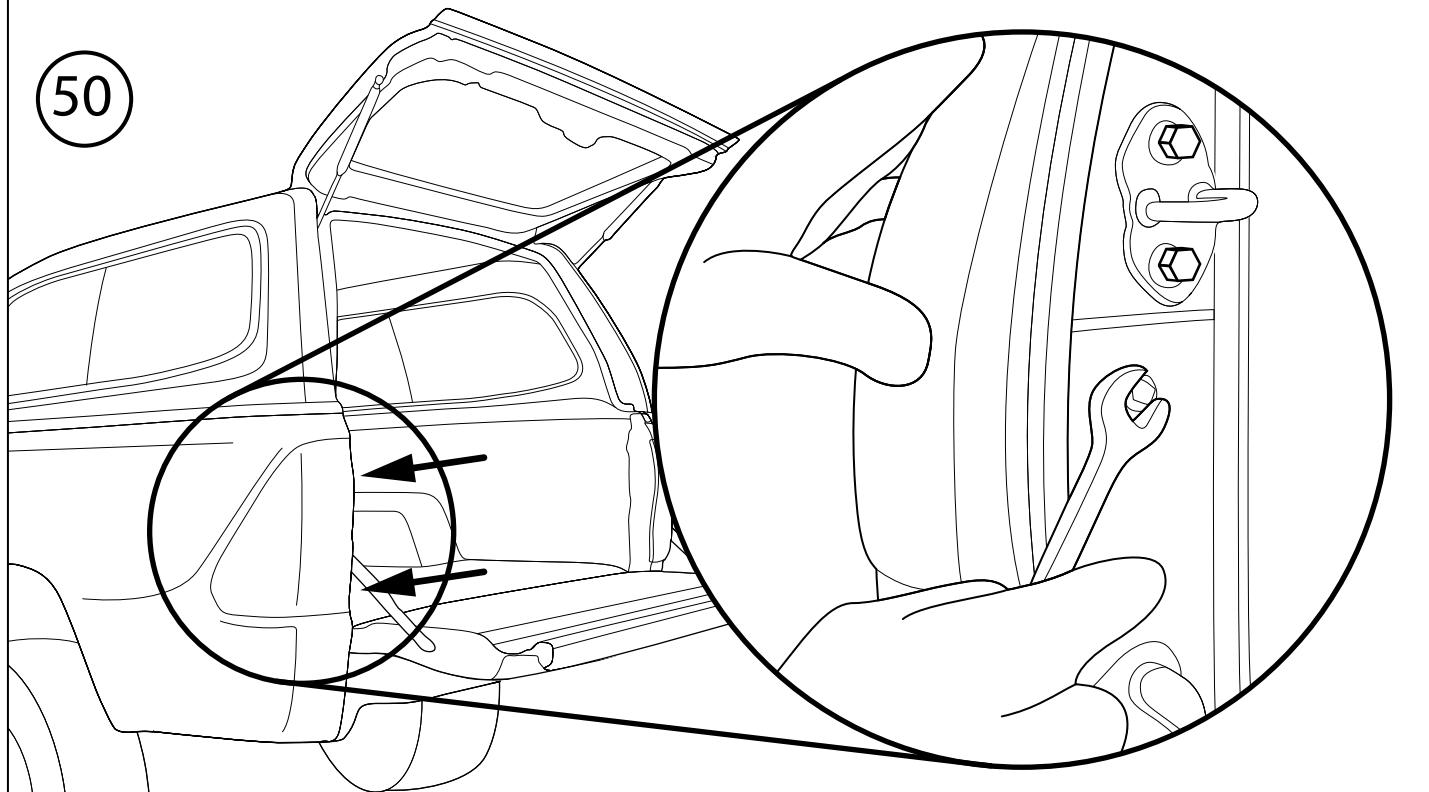
Point 3 Wiring that run under vehicle
along the chassis.

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

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



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



Take off the Rear Light vehicle.



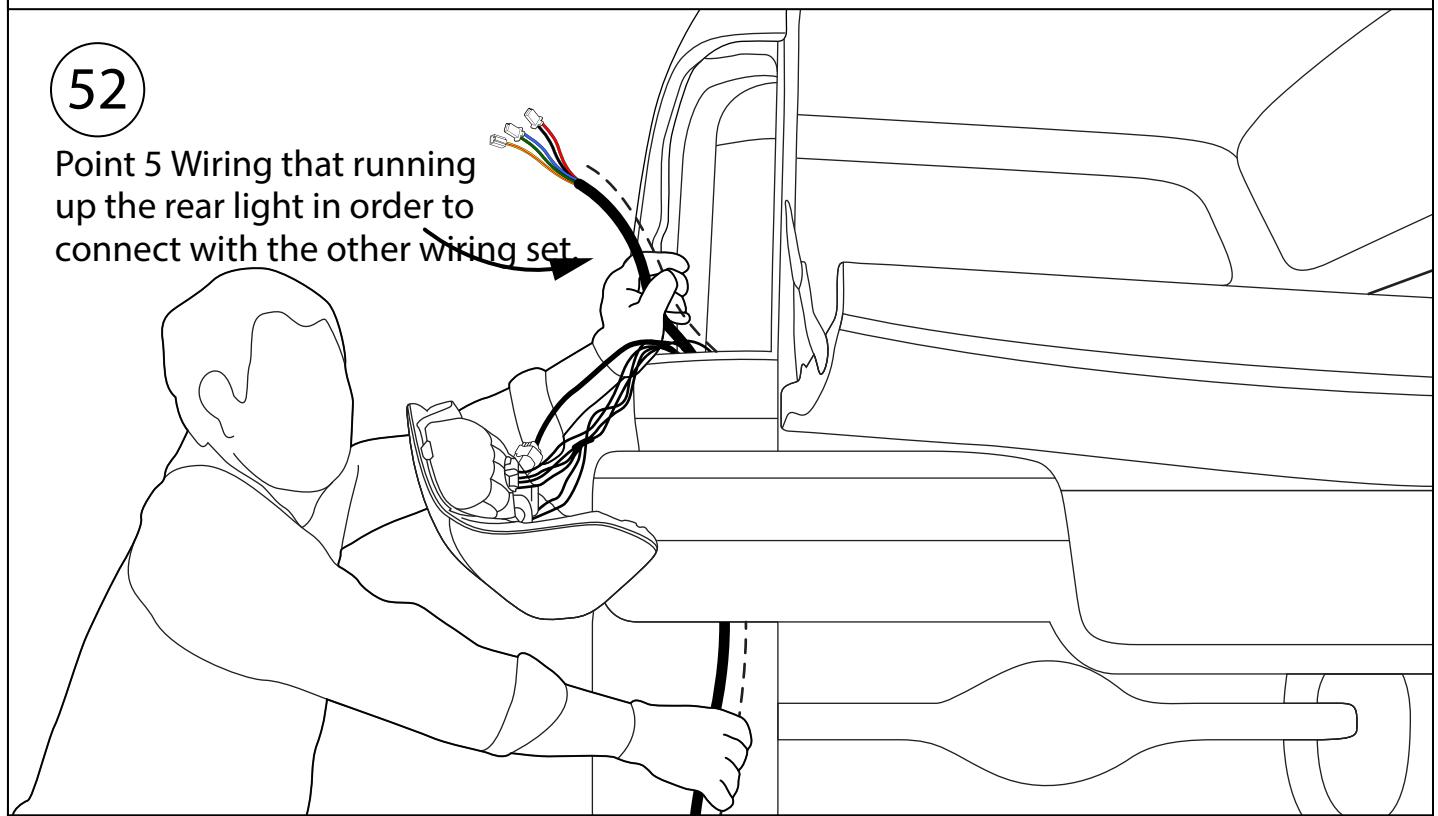
51



Take off the Rear Light vehicle.

52

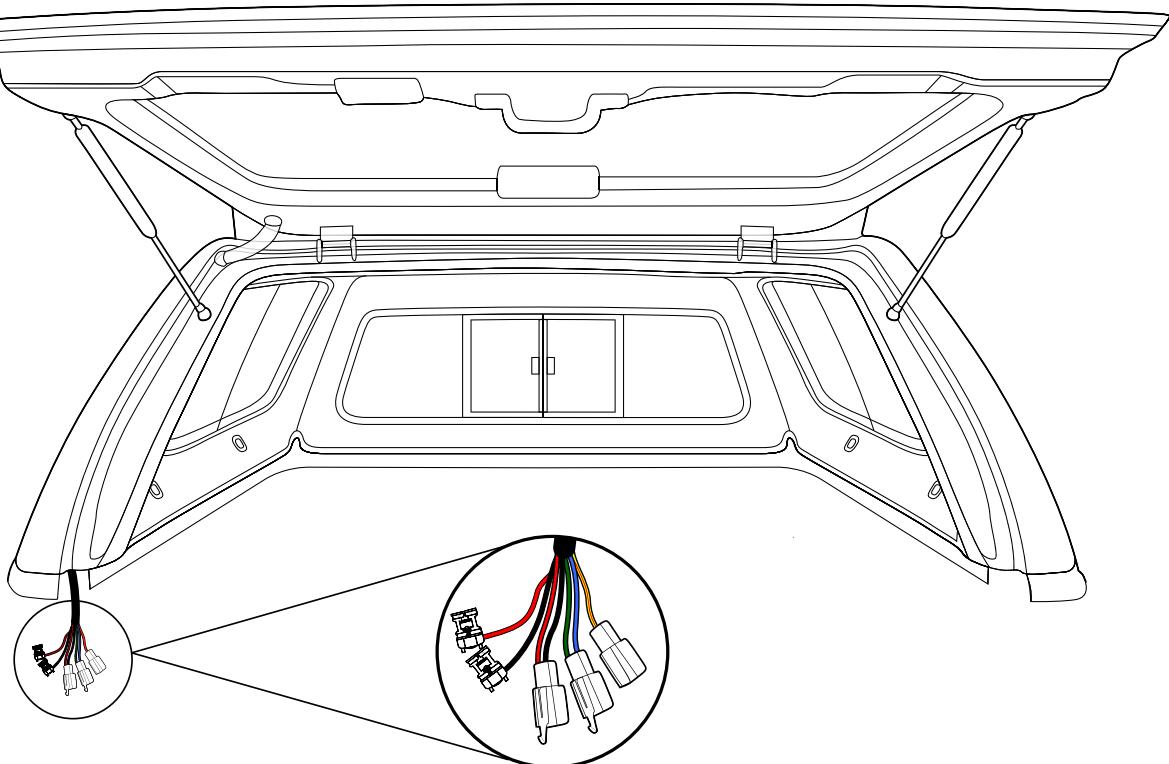
Point 5 Wiring that running up the rear light in order to connect with the other wiring set.



Running the Harness Central Lock No.38 up to the vehicle rear light in order to connects with the Harness Central Lock No.32.

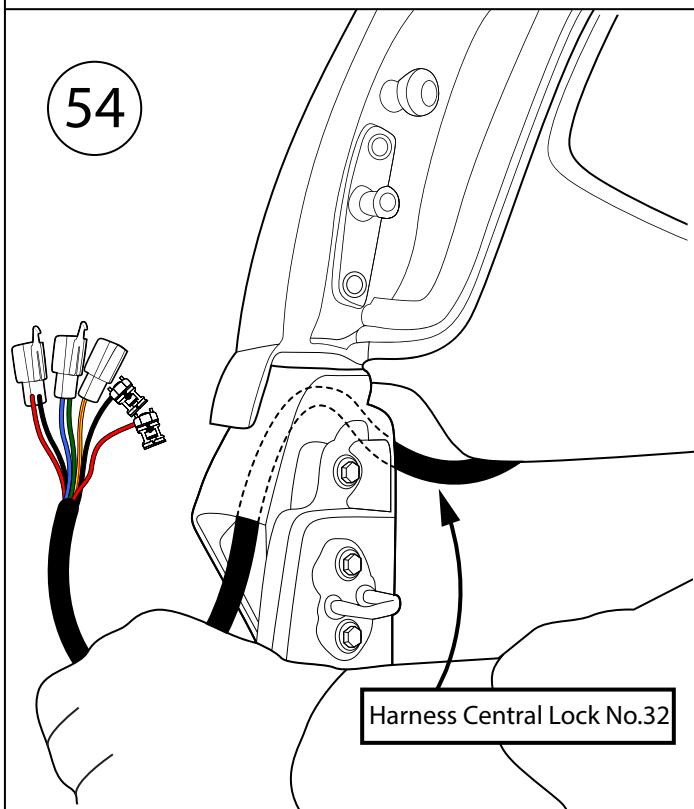


53

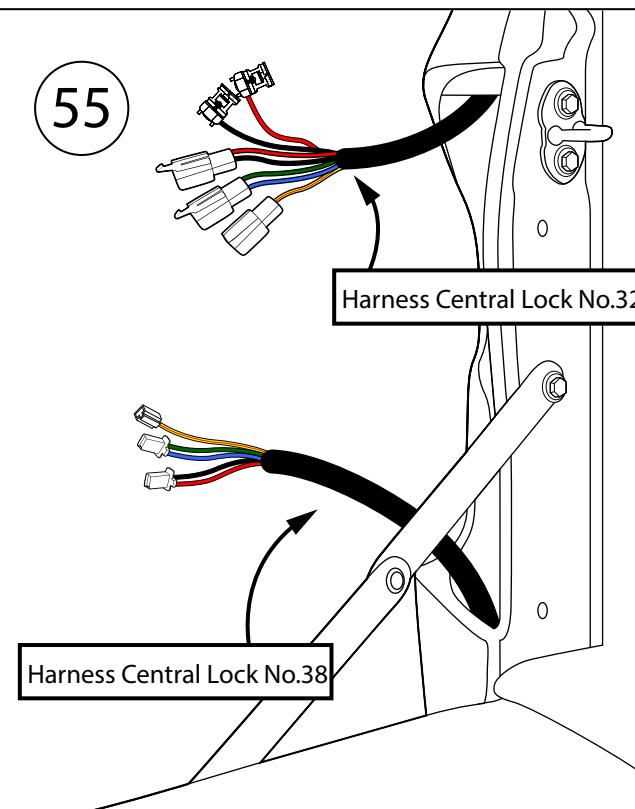


Central lock wire position No.32

54



55



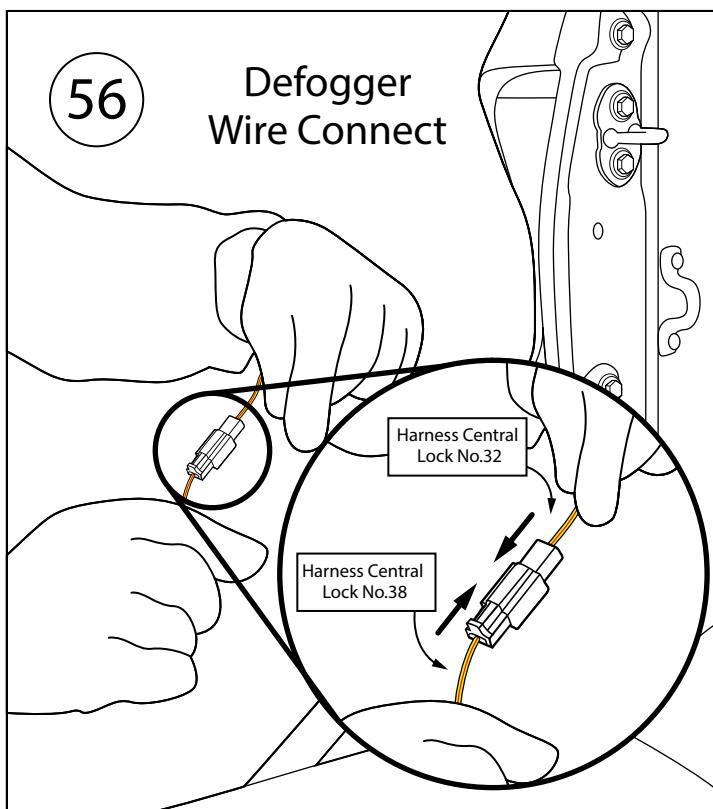
Running the Harness Central Lock No.32 along the vehicle tube through the rear light.

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



56

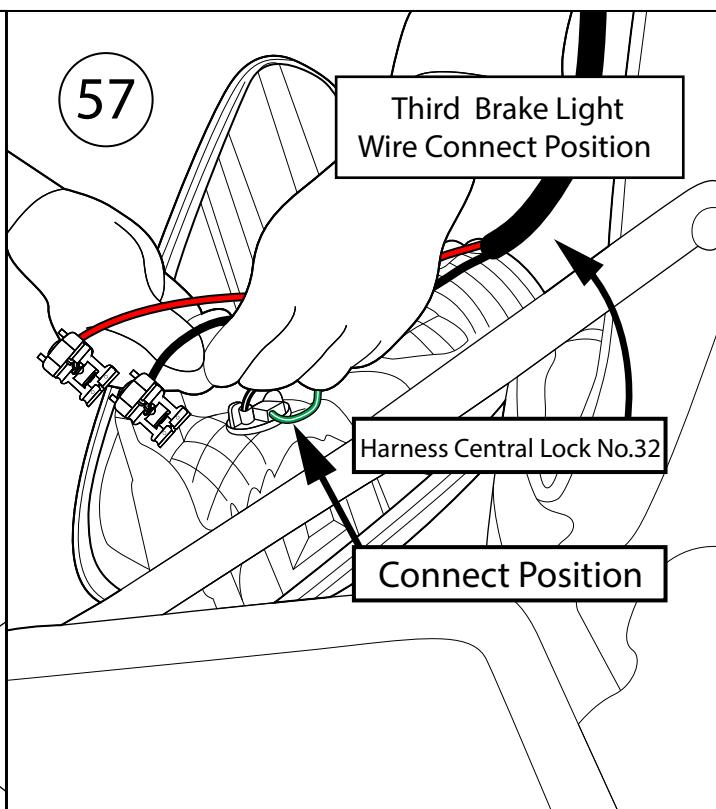
Defogger Wire Connect



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.

57

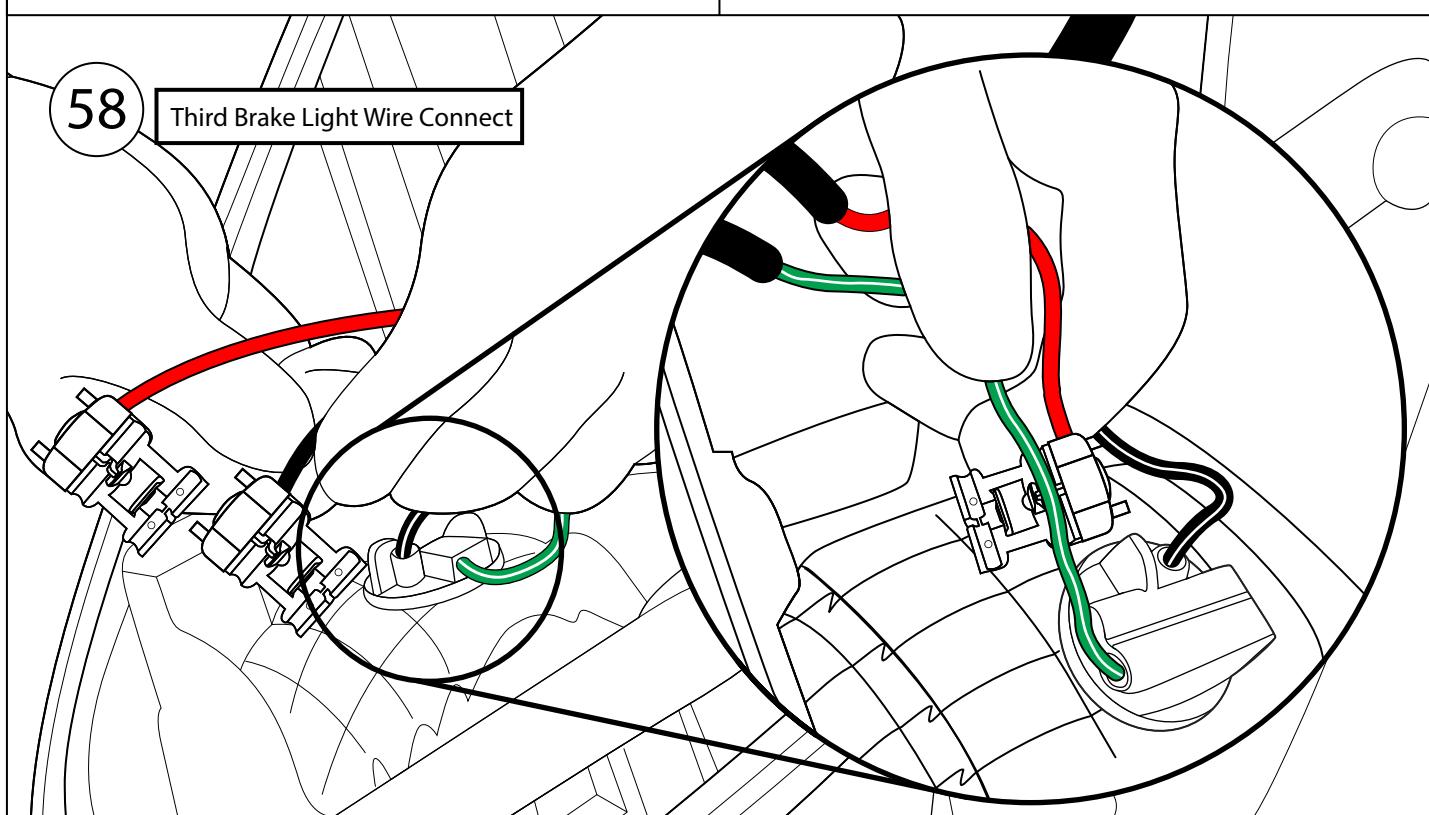
Third Brake Light Wire Connect Position



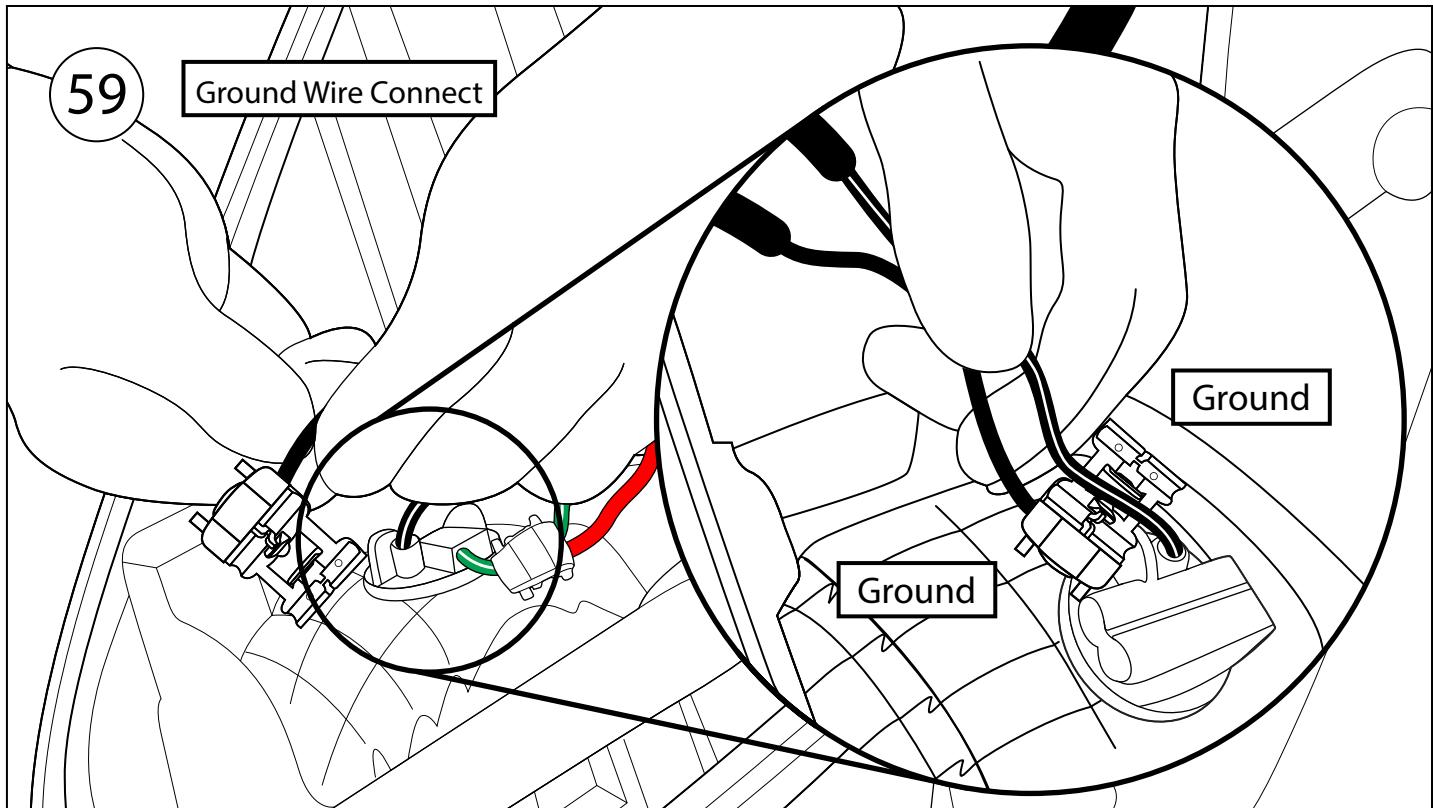
The position of connecting the Red and Black Wiring of the Third Brake Light (RD,BK) circuit of the Harness Central Lock No.32 with the vehicle rear light.

58

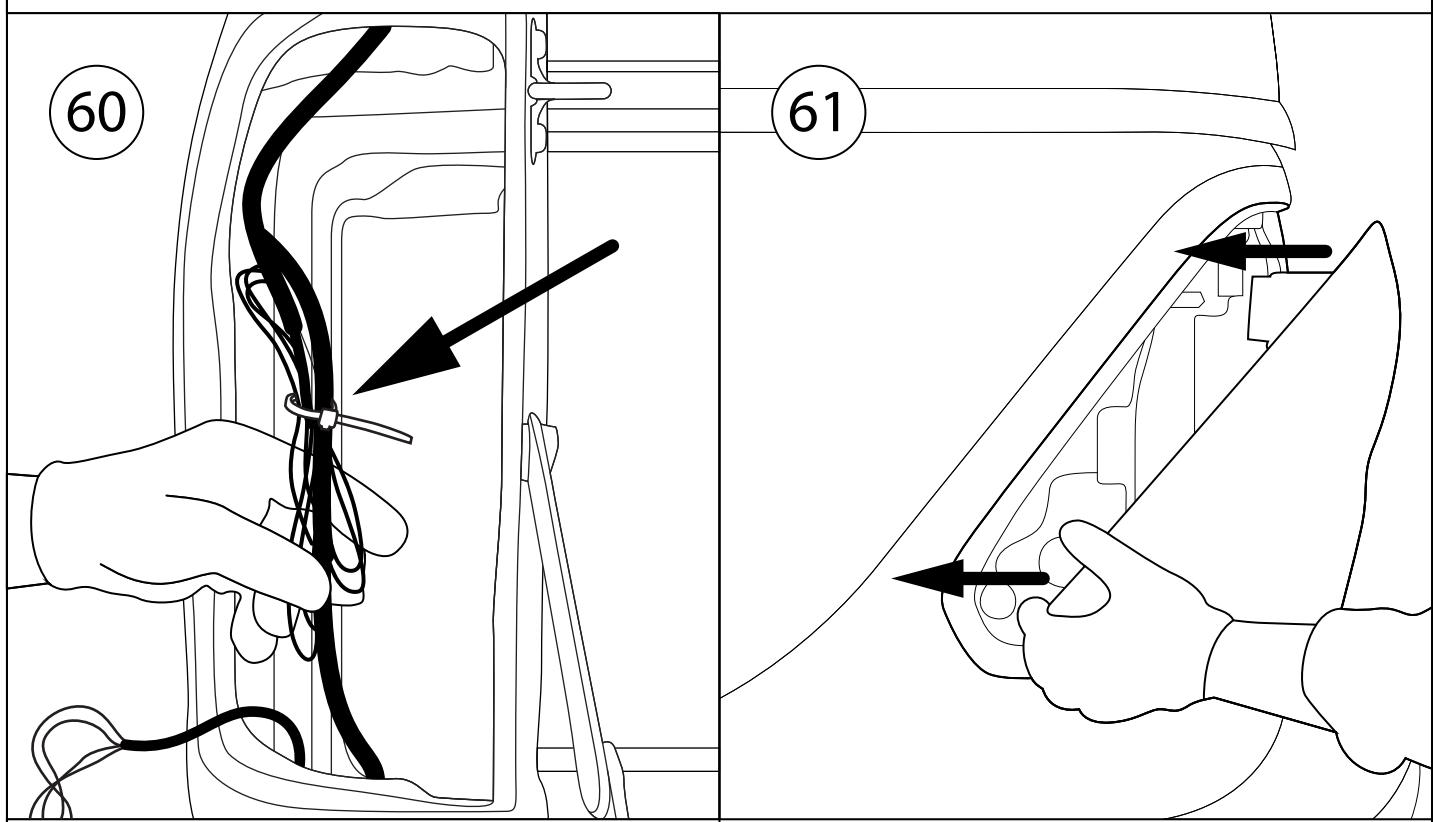
Third Brake Light Wire Connect



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



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

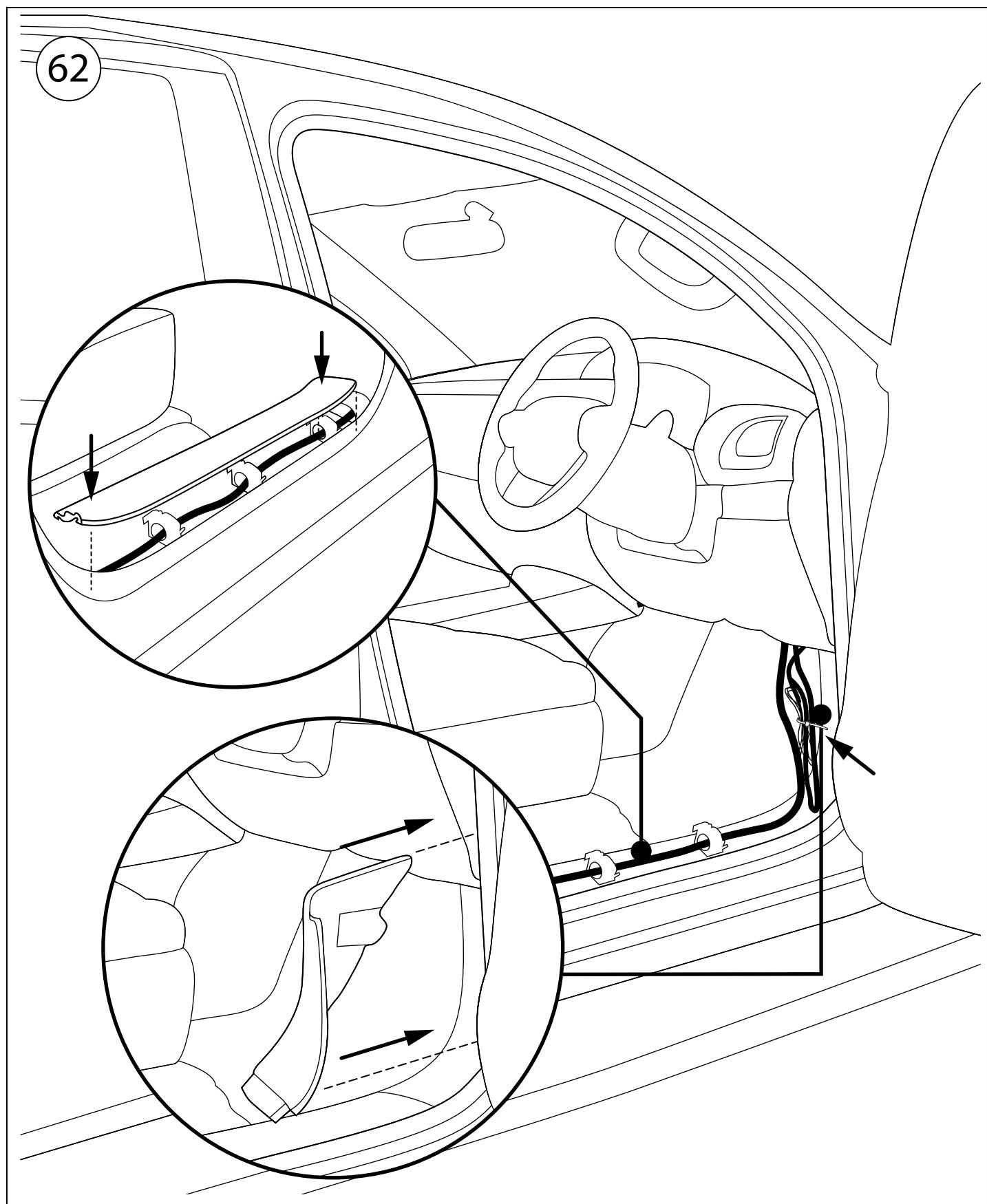


Tight up all the wiring by using the Cable Tie

Reassemble the vehicle rear light.



62



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



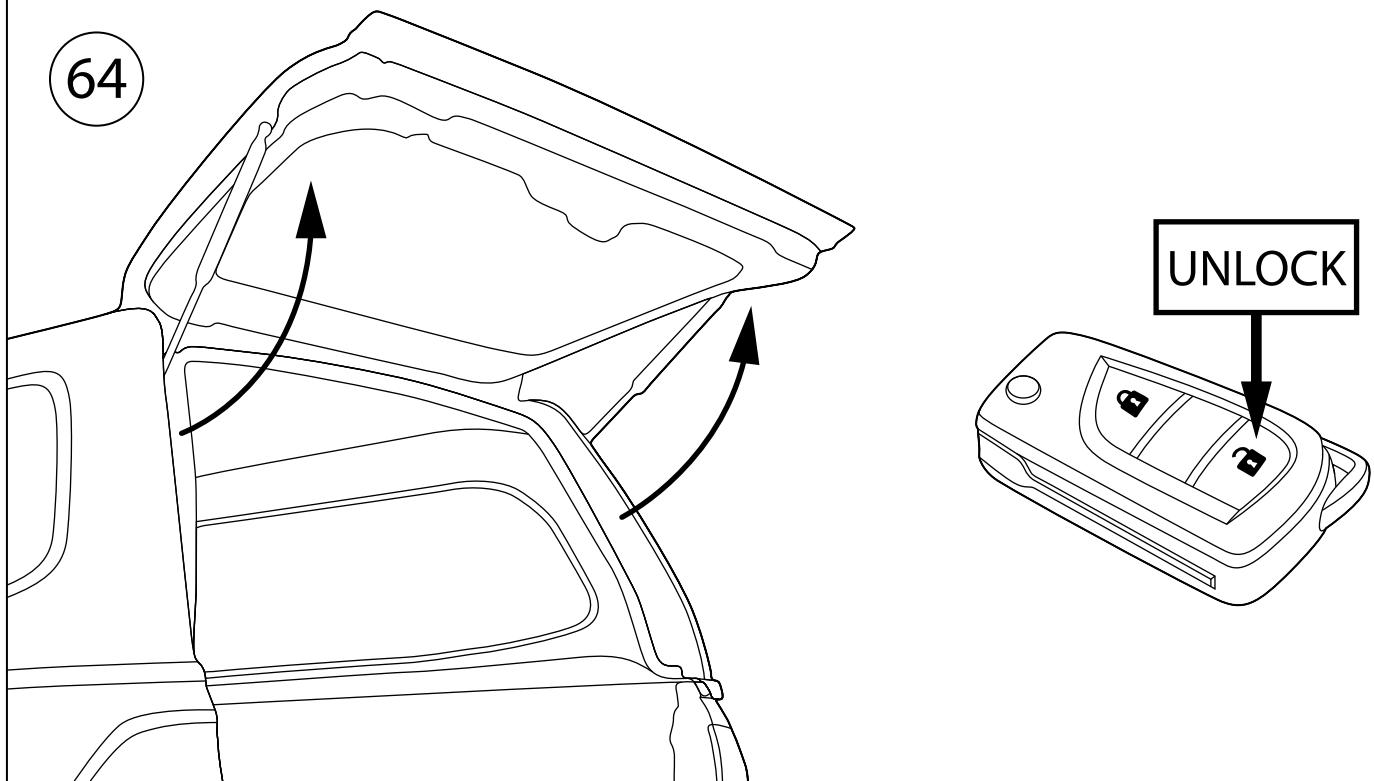
63

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.

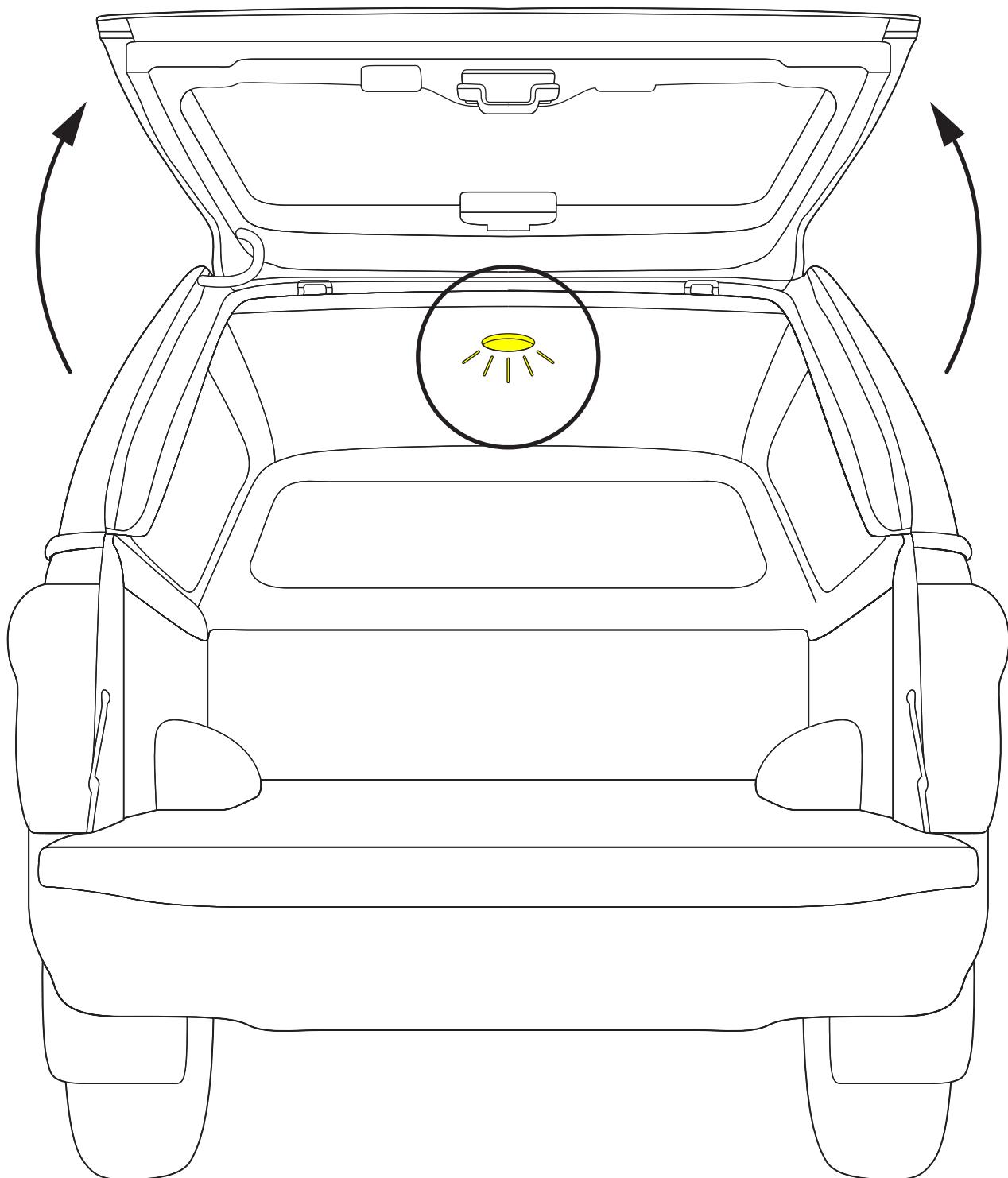
64



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



65



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

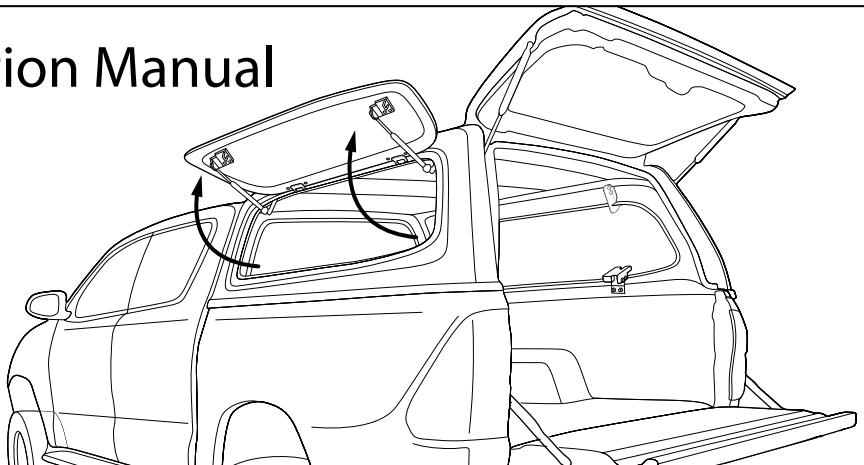


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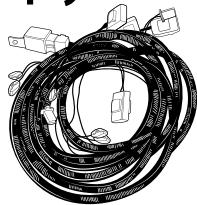
Electric Lock Installation



Electric Lock Installation Manual EBW For Toyota Hilux Revo S-Plus V2

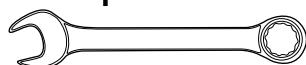


Canopy Wire set



C1: Harness Central
Lock No.38

Require Tool



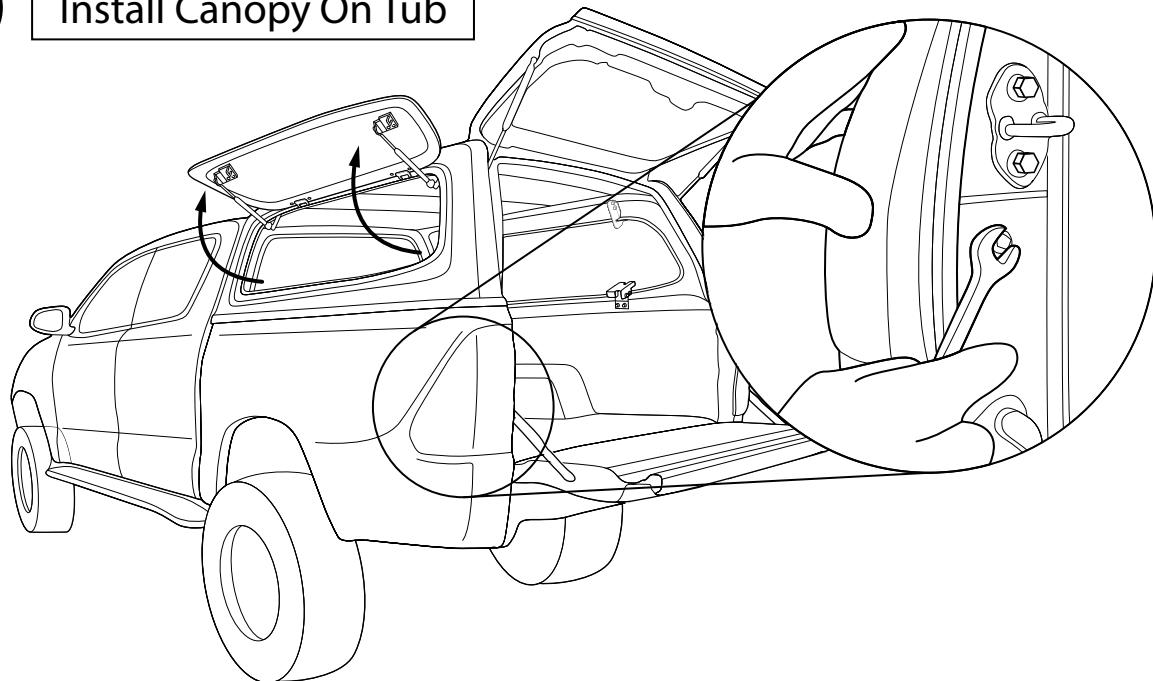
T1 : 10 mm. Wrench



T2 : 19 mm. Wrench

66

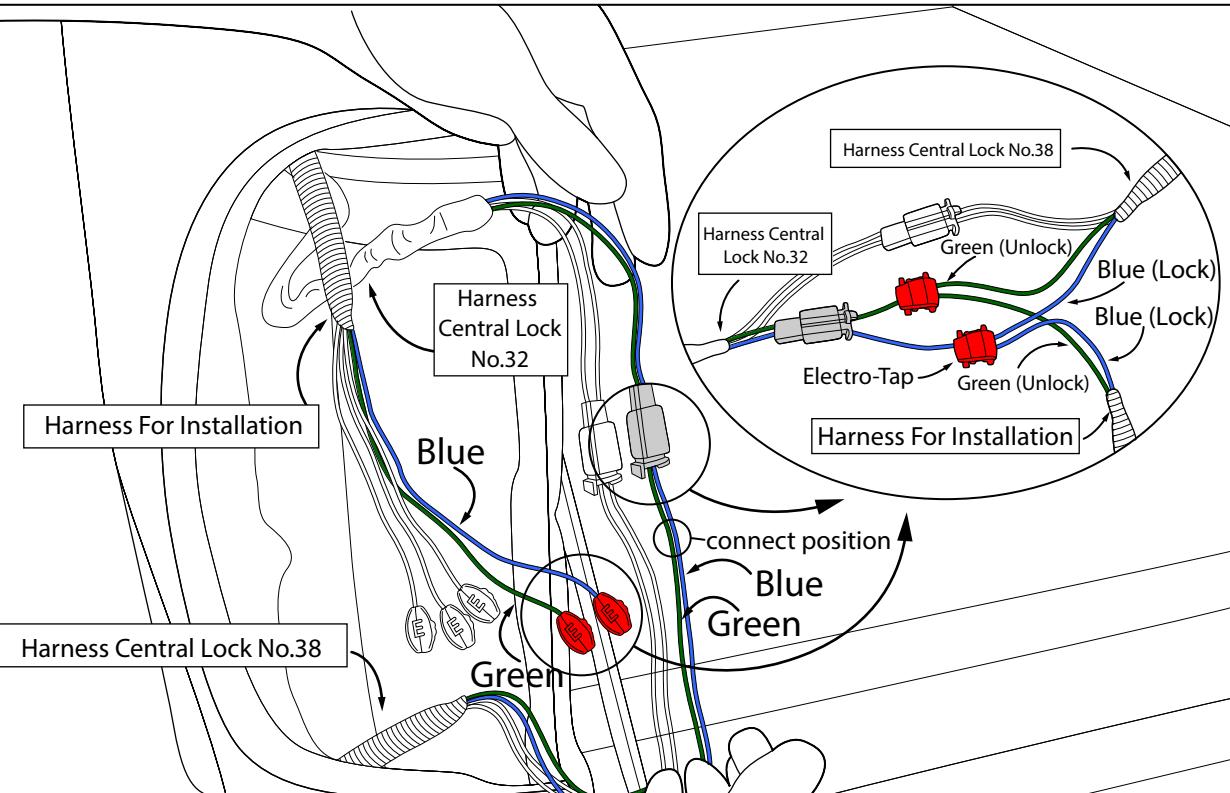
Install Canopy On Tub



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



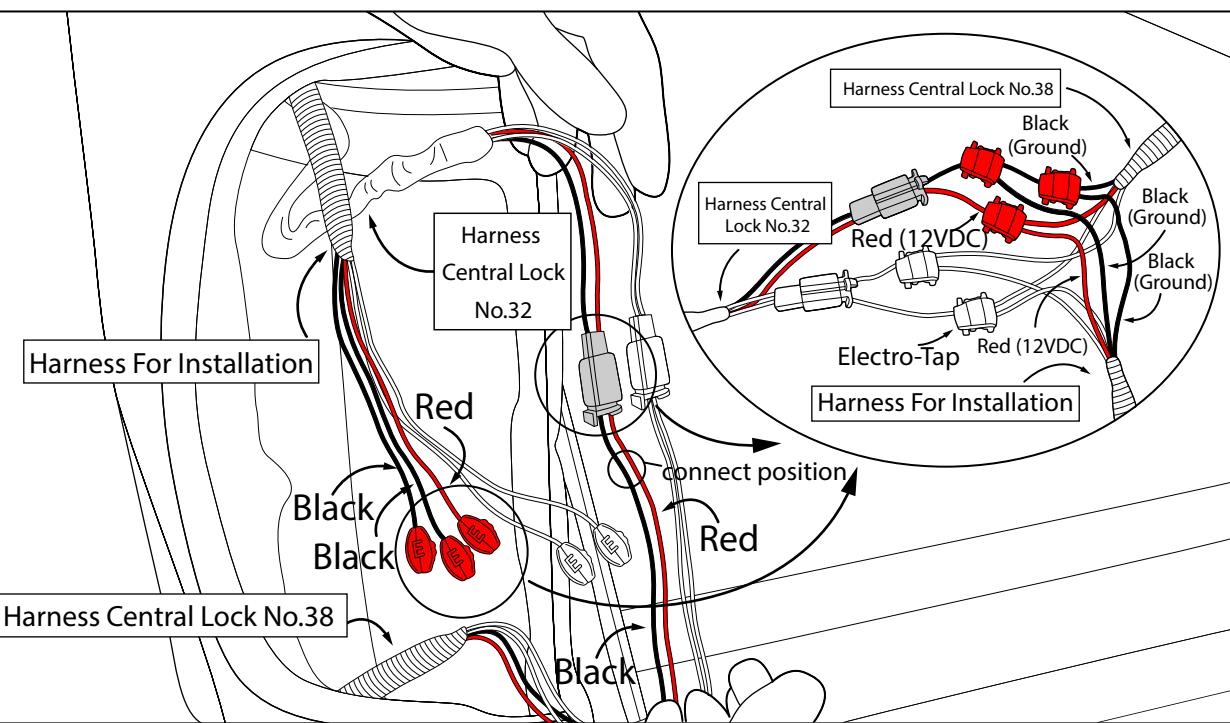
67



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

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

68

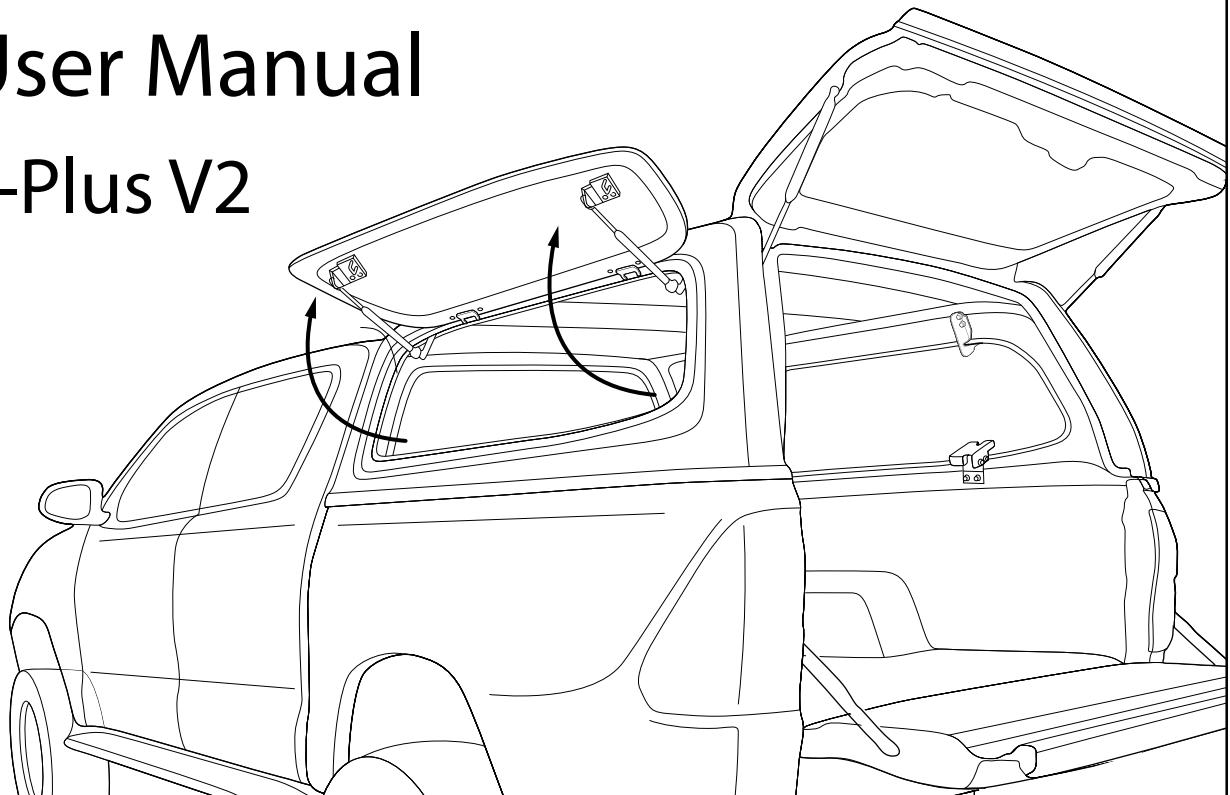


Bring the Red Wiring (12VDC) of the Harness for Installation wiring set connects with the Red Wiring (12VDC) of the Harness Central Lock No.38 wiring set by using the ELECTRO-TAP (Red Colour).

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

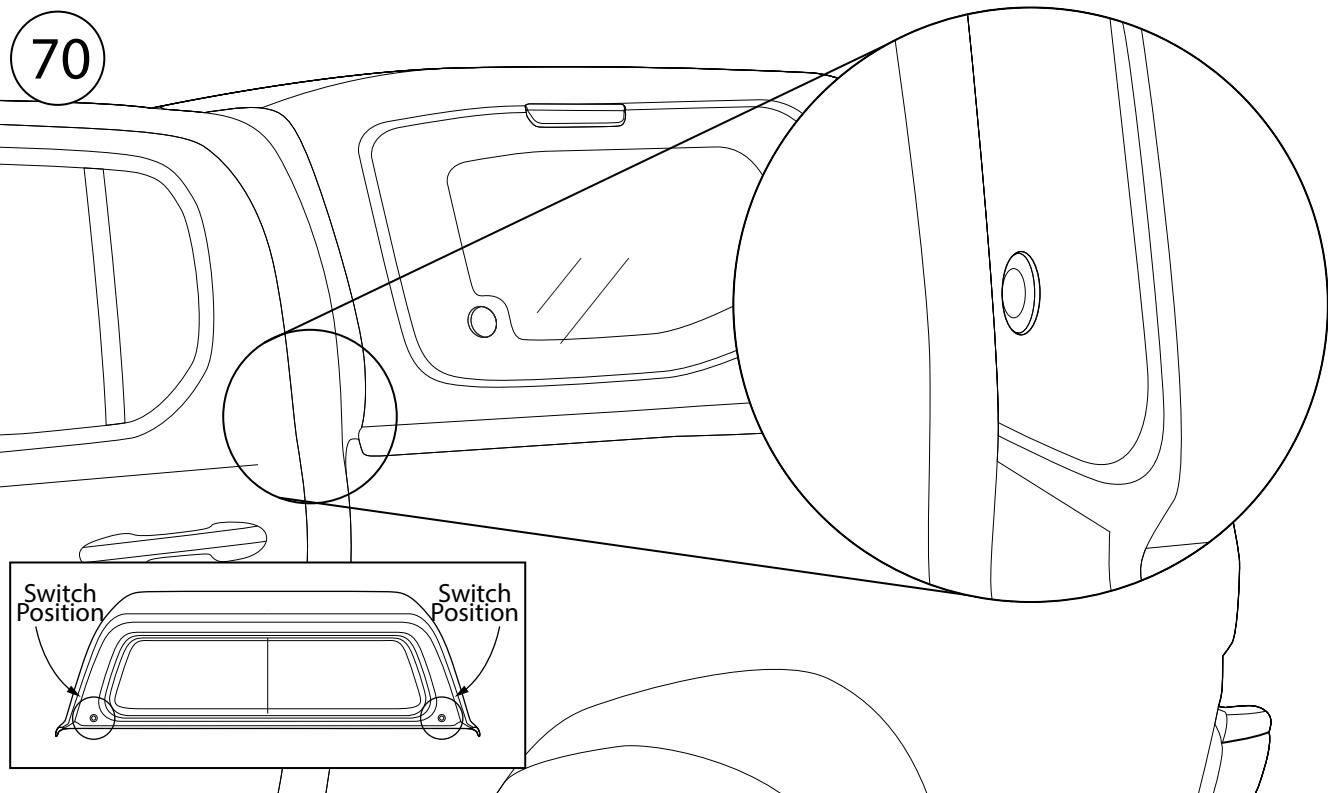


69 User Manual S-Plus V2



Instructions for using the Electric Lock.

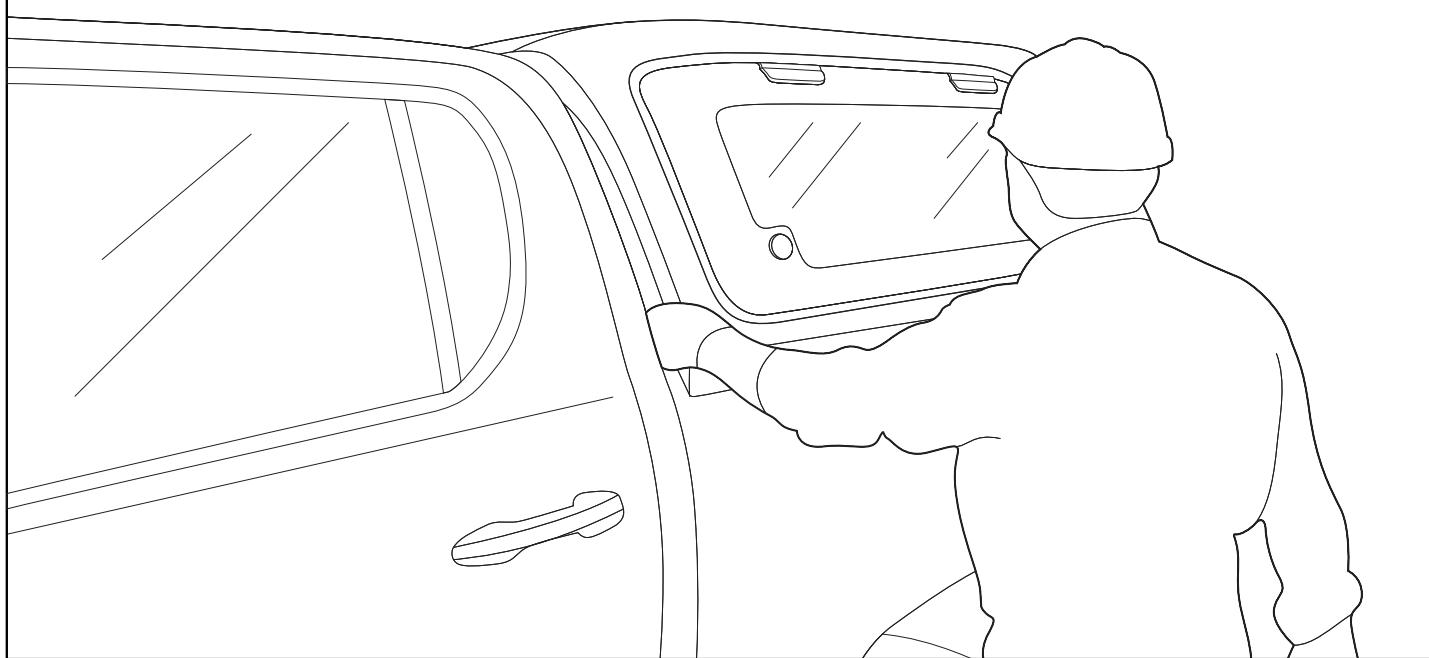
70



The picture shows Electric Lock switch button positions.

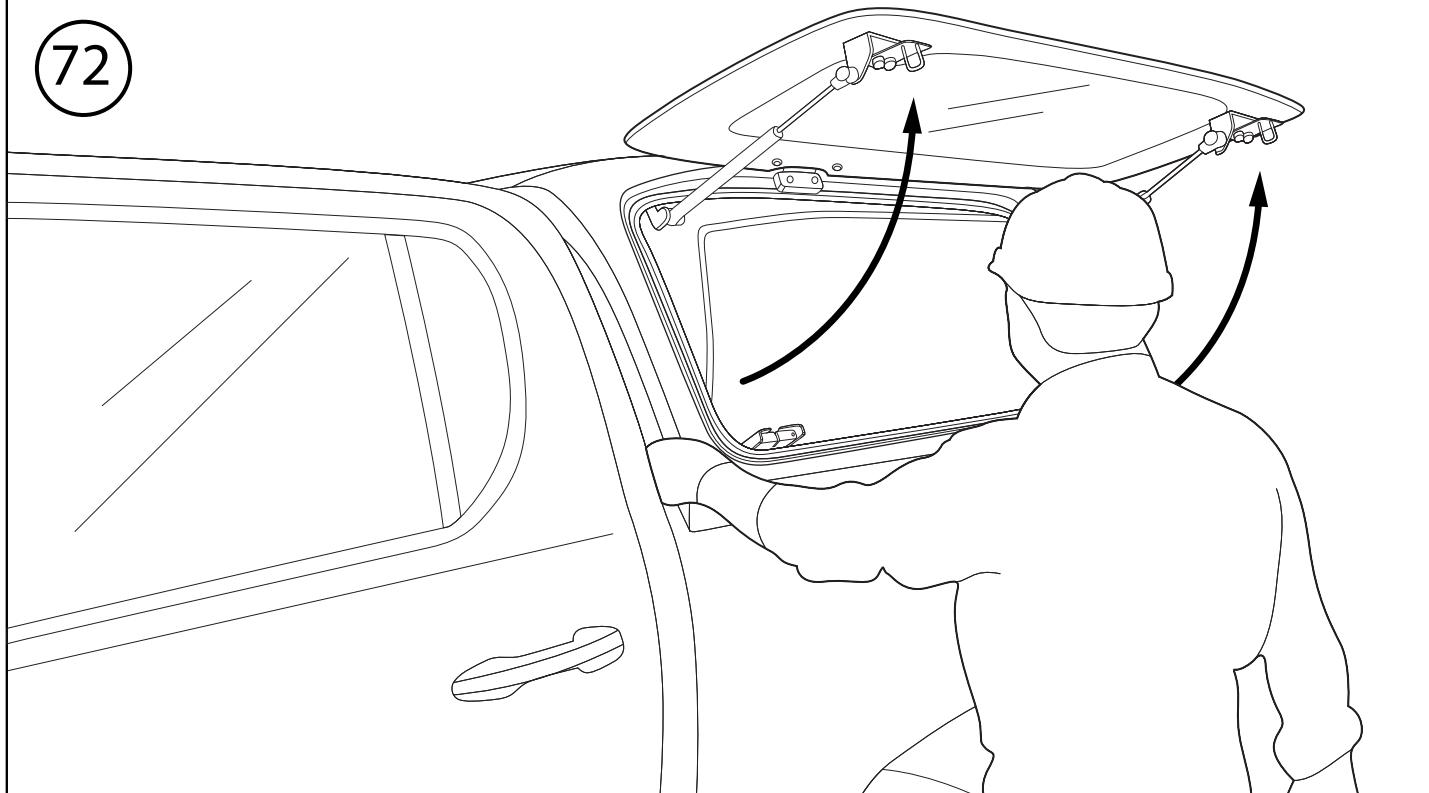


71



The picture shows the usage of Electric Lock button.

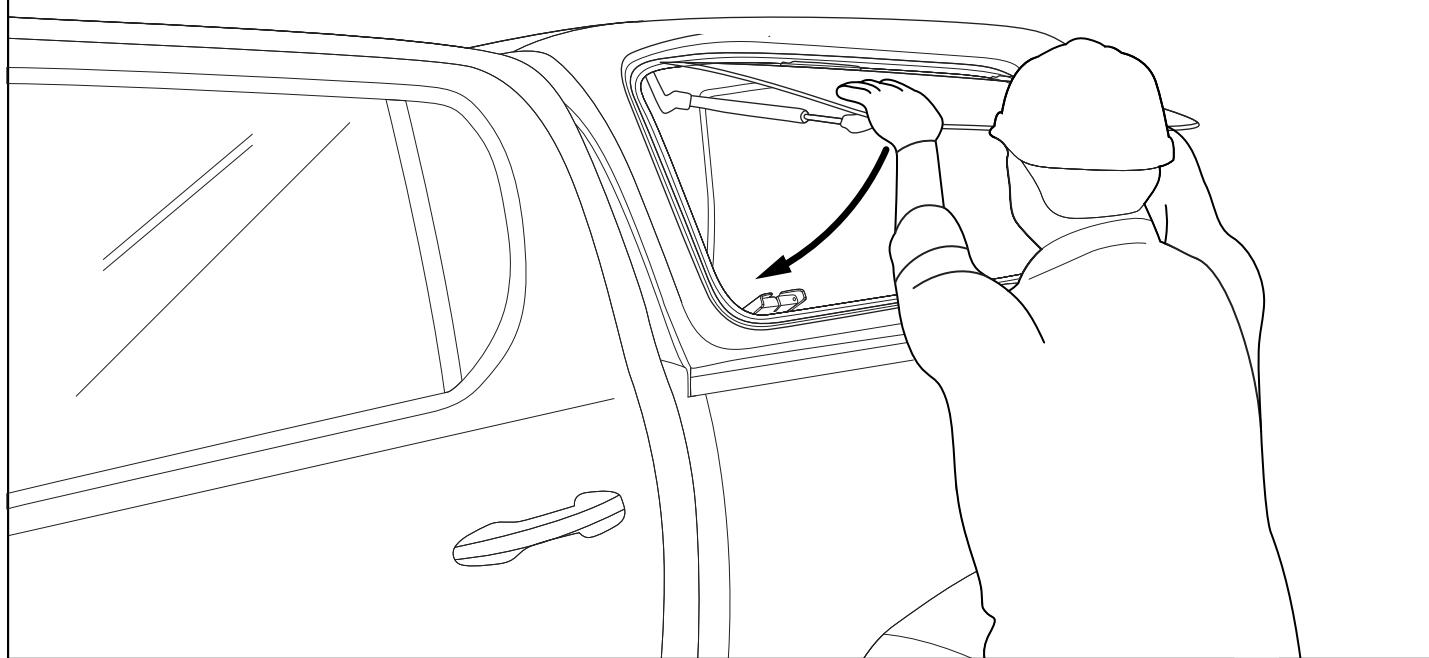
72



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

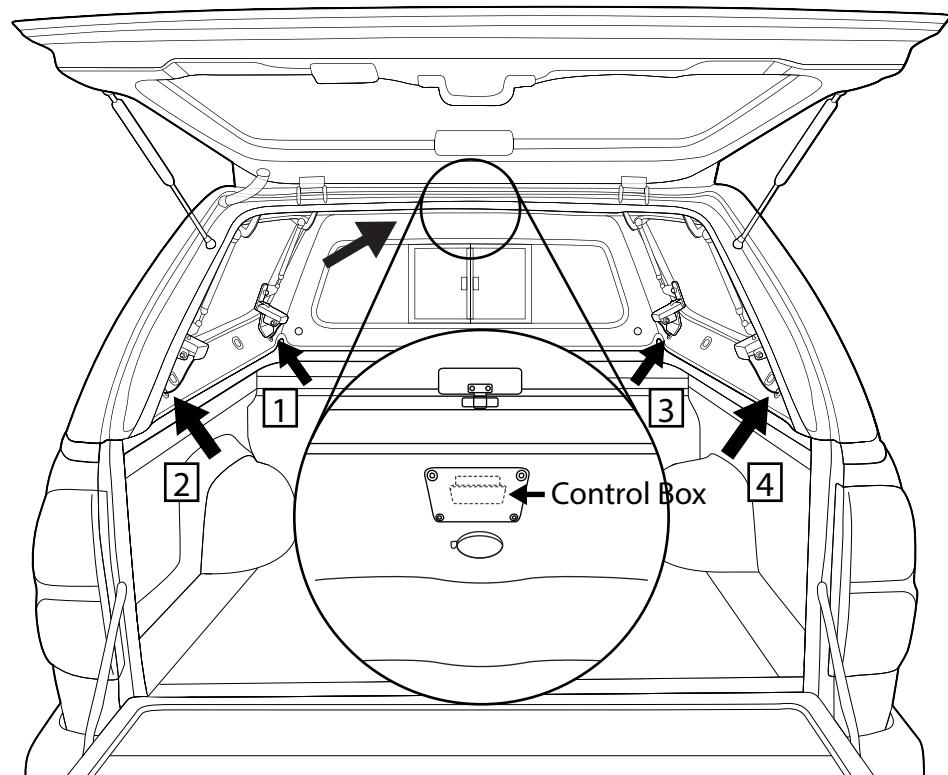


73



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

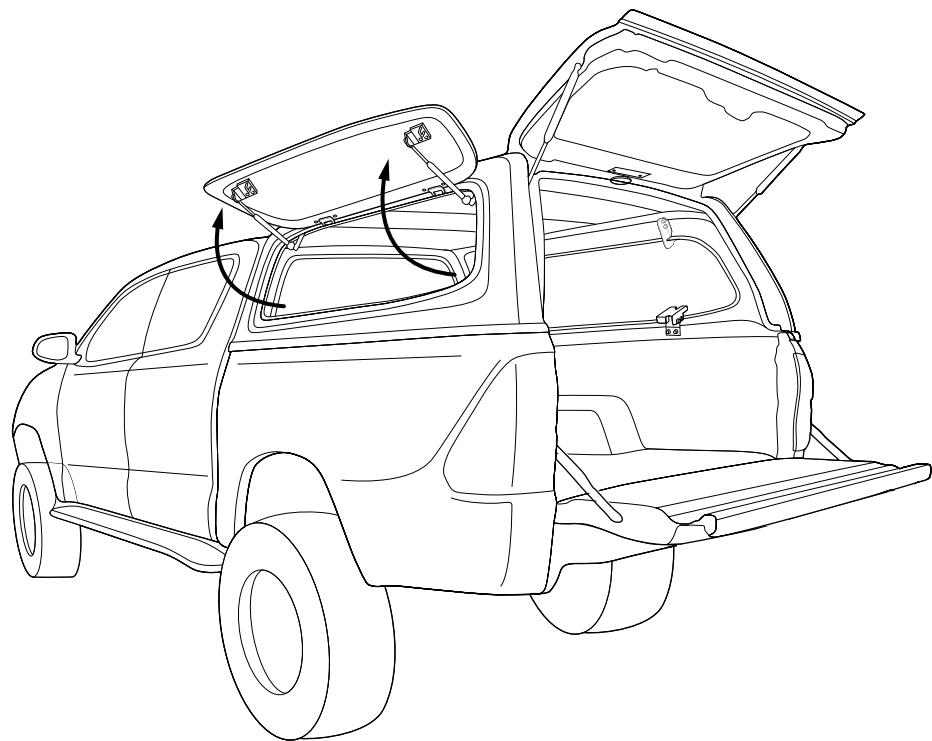
74



The picture shows the Electric Lock and Control Box position.



75



Complete the Electric Lock system.



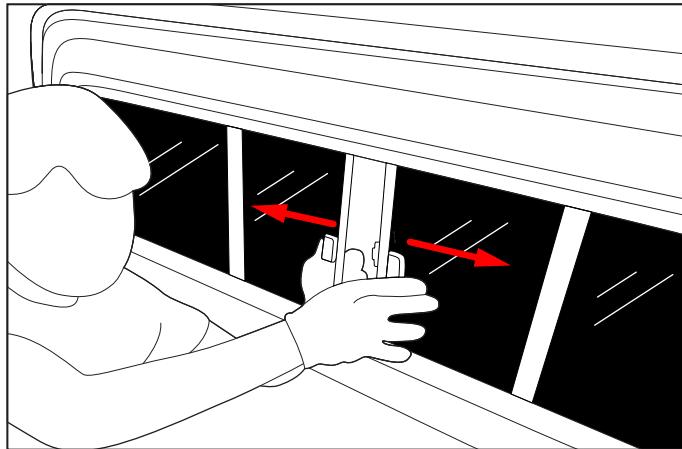
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**Opening Function of all
canopy model**



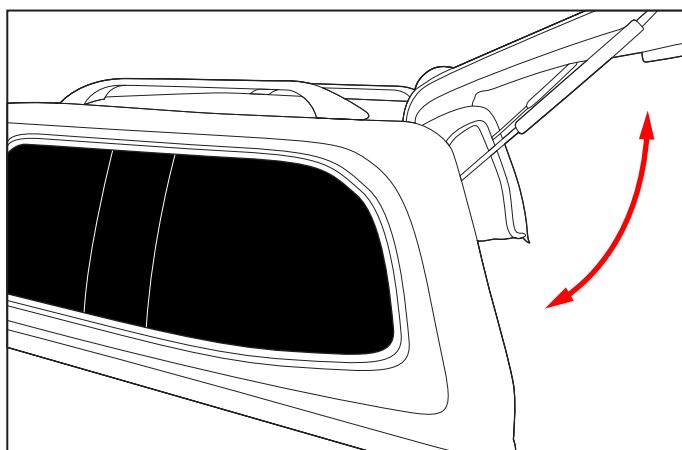
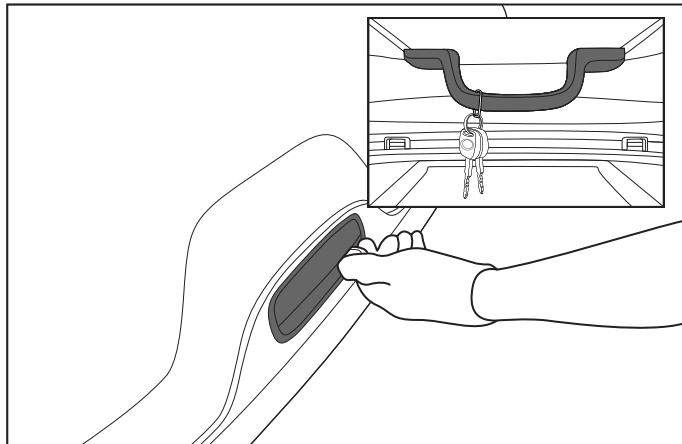
SAMMITR

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

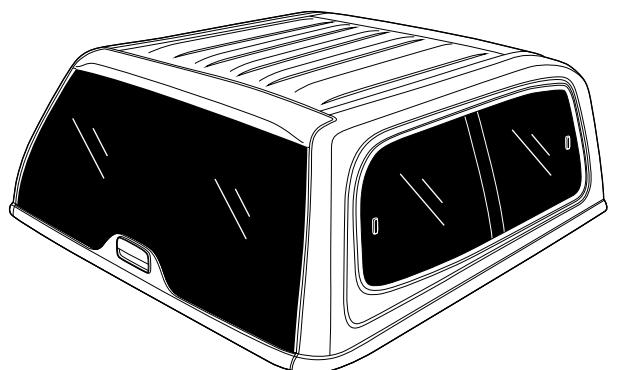


Use the key is unlock function will be the same for all model, V2, V4 and TL1.

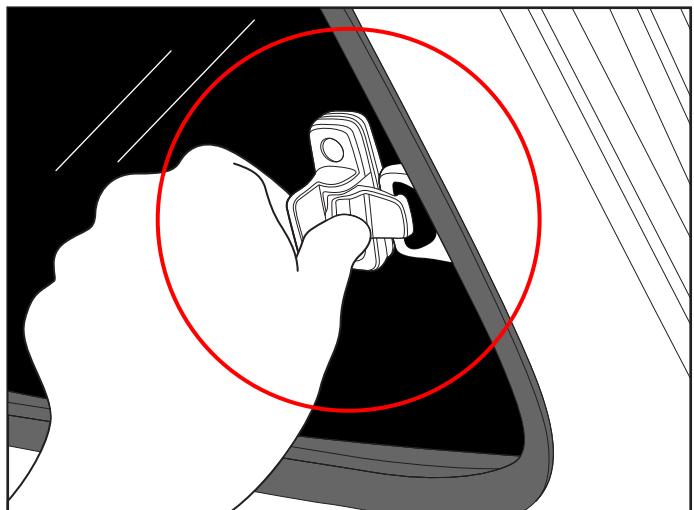
Open the backdoor function are different.



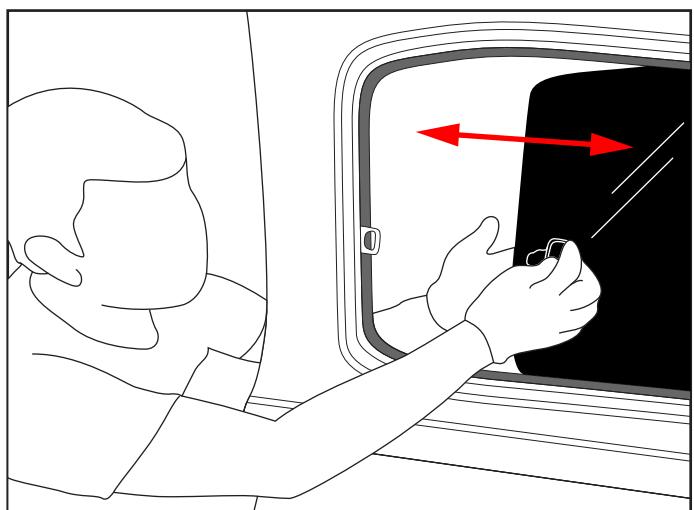
User manual



Slide Window (Left-Right)



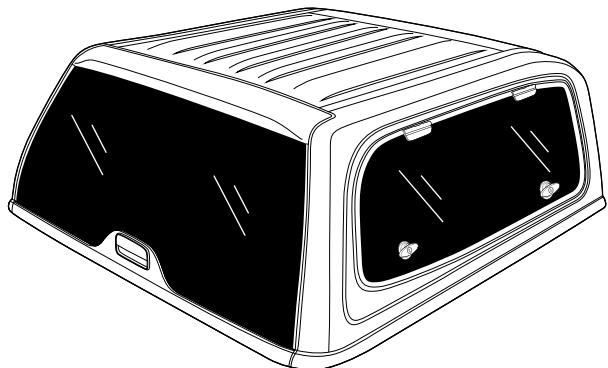
Squeeze the lock side to open.



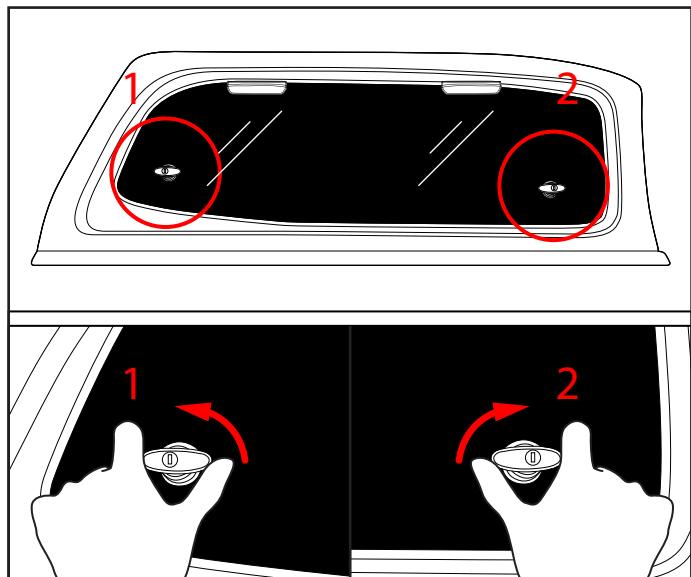
The Picture shows how to open the side window.



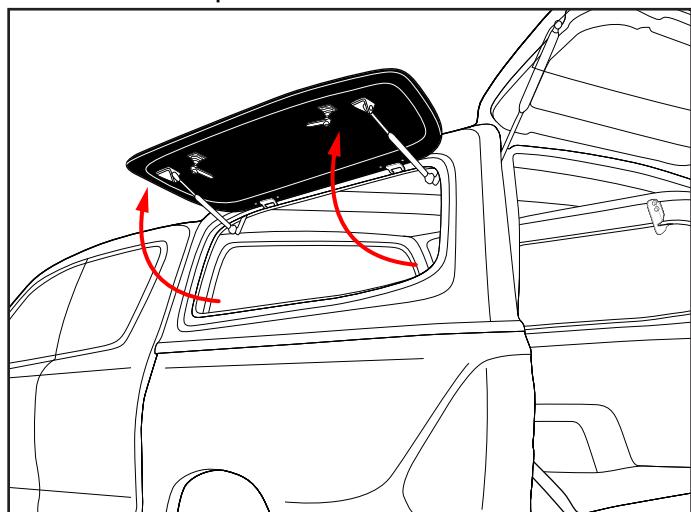
User manual



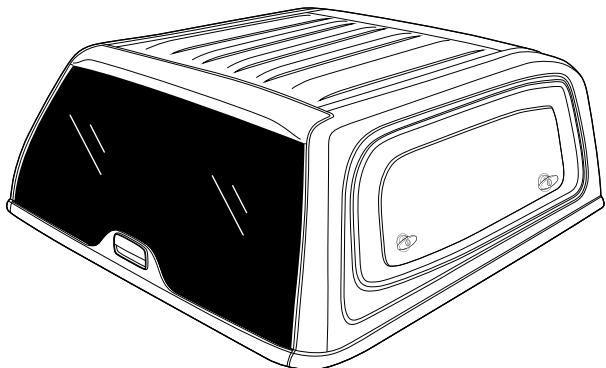
Glass Birdwing Window Left-Right
(Handle Lock)



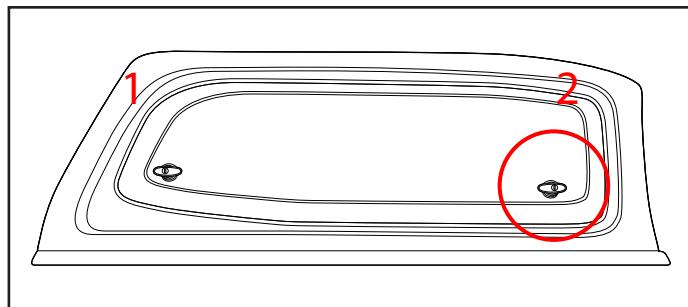
Turn around the canopy lock as shown in picture to open the side window.



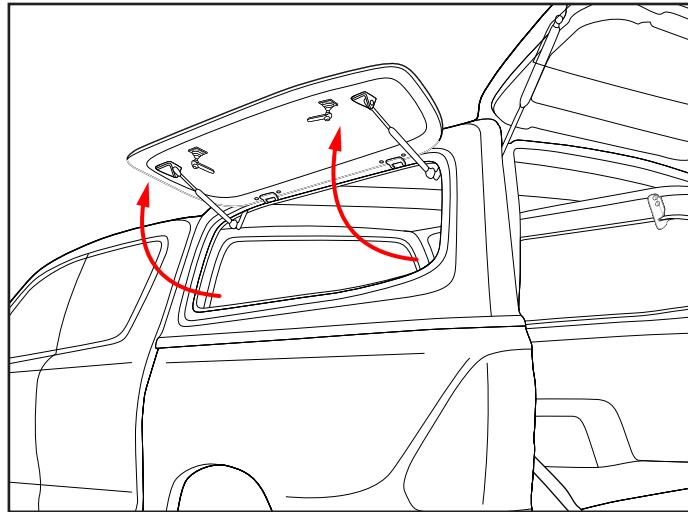
Picture shows how to open the side window.



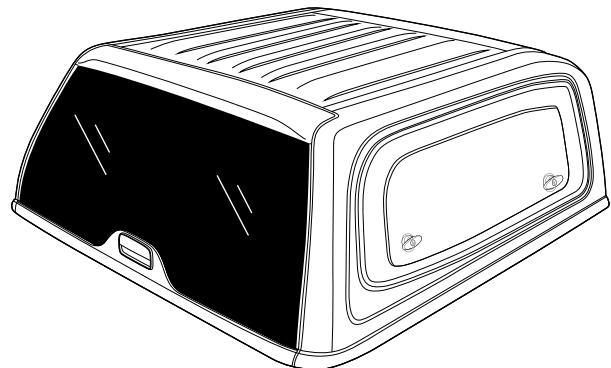
Solid Birdwing Window Left-Right
(Handle Lock)



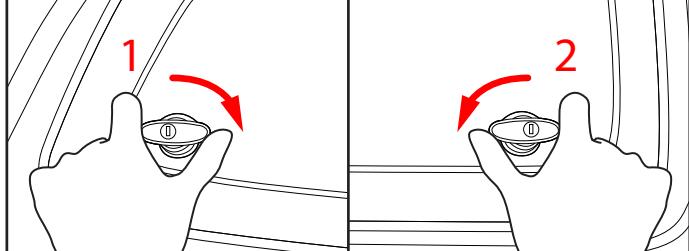
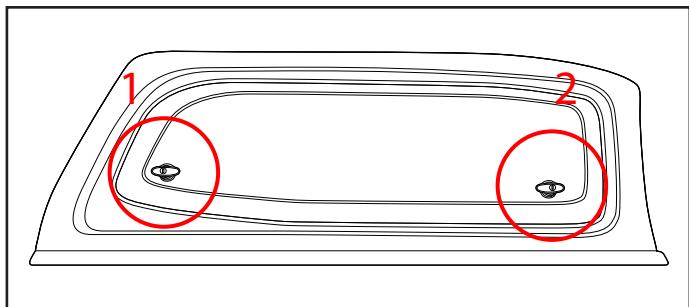
Turn around the canopy lock as shown in picture to open the side window.



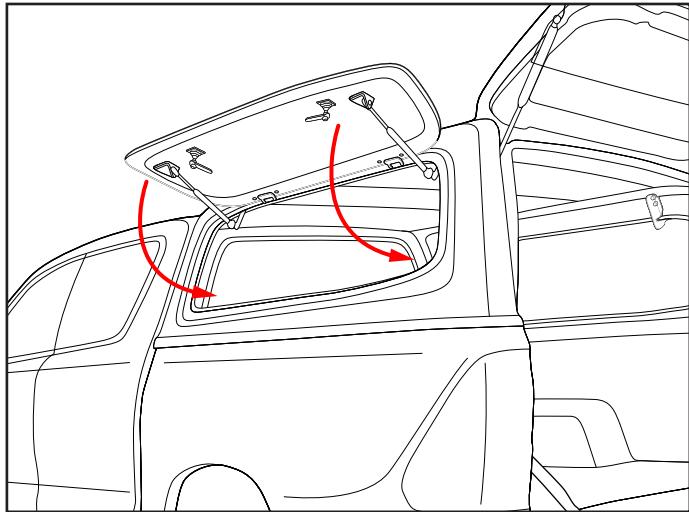
Picture shows how to open the side window.



Solid Birdwing Window Left-Right
(Handle Lock)



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



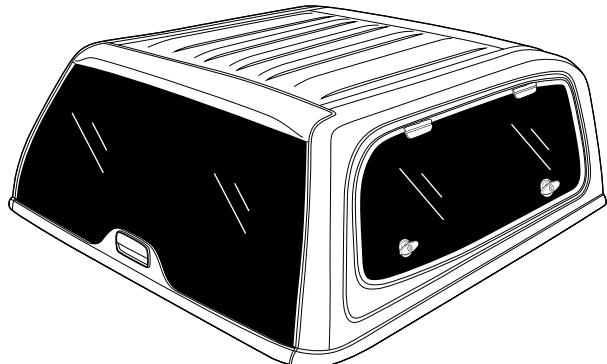
Picture shows how to close the side window.

User manual



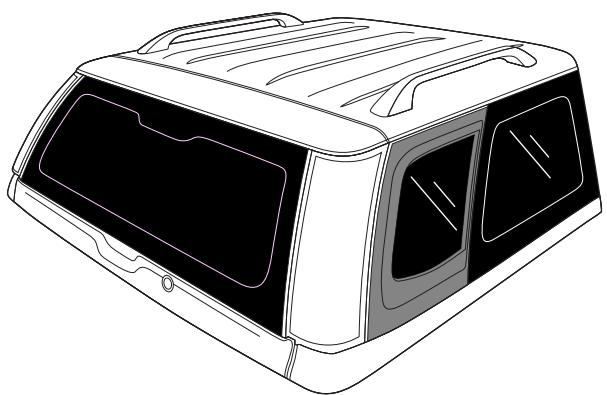
SAMMITR

User manual



Backdoor

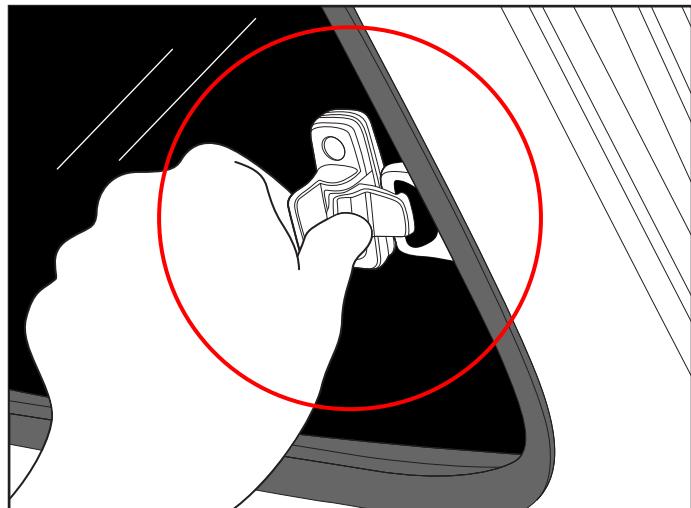
User manual



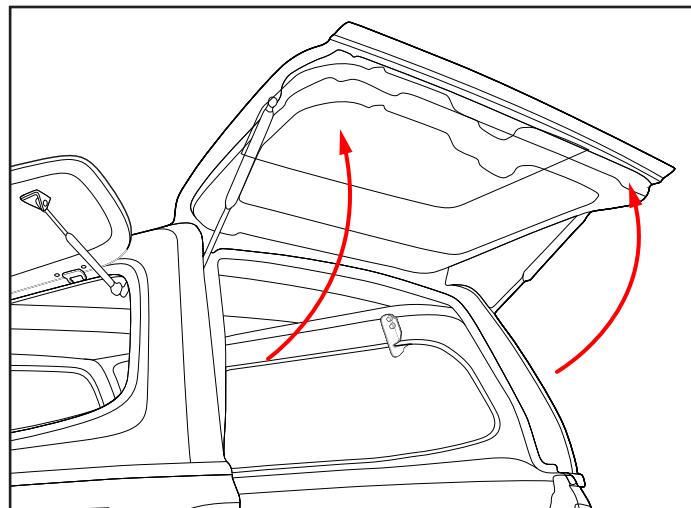
Slide Window (Left-Right)



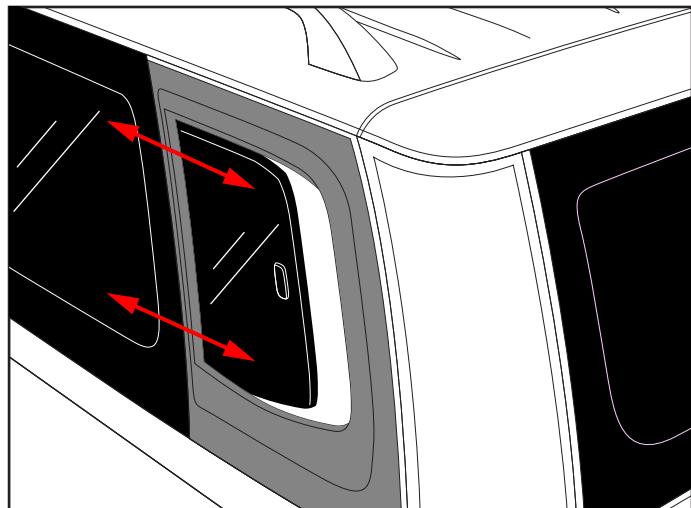
Use the handle as shown in picture to open the backdoor.



Squeeze the lock side to open.



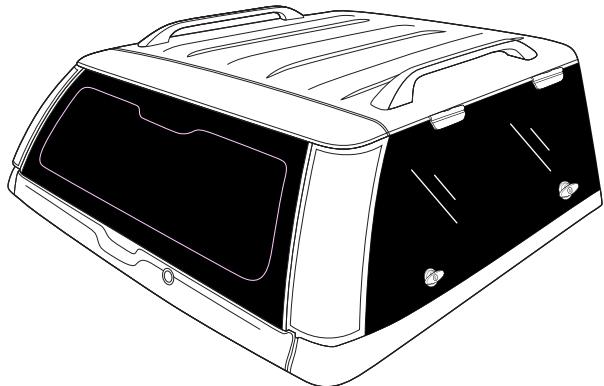
The Picture shows how to open the backdoor.



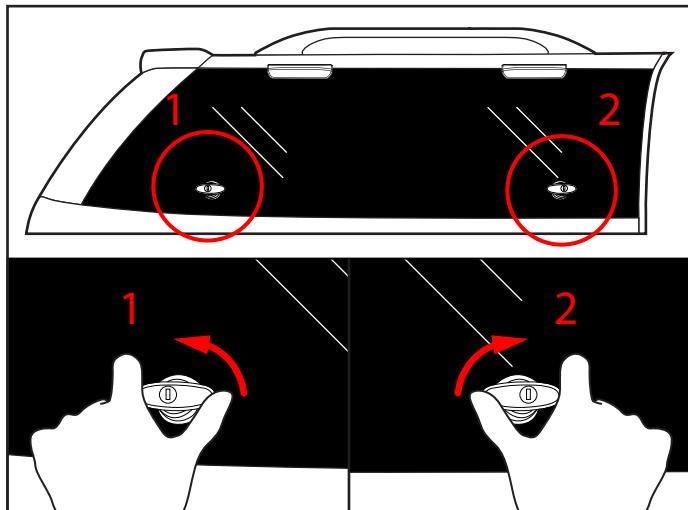
The Picture shows how to open the side



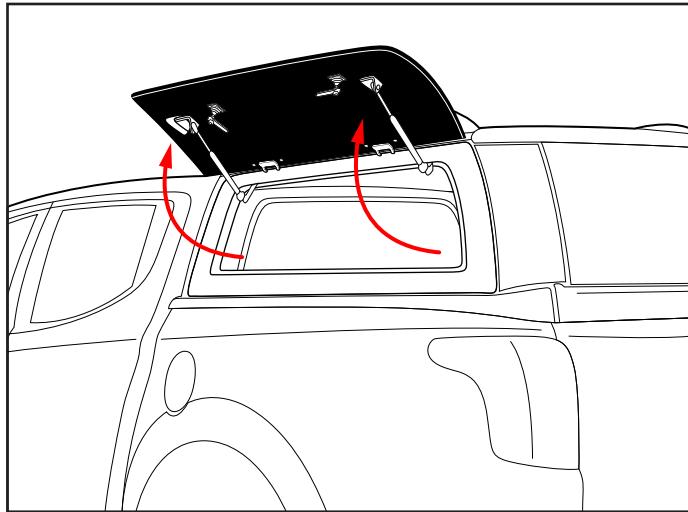
User manual



Glass Birdwing Window Left-Right
(Handle Lock)

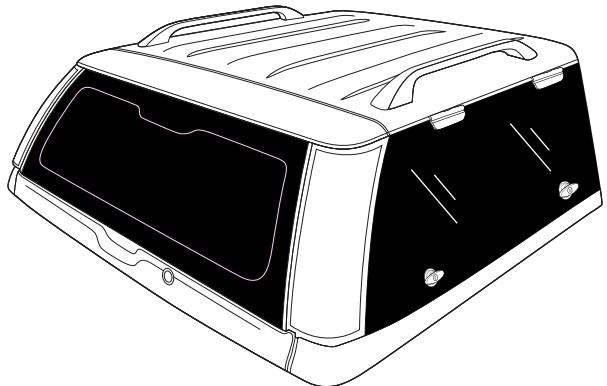


Turn around the canopy lock as shown in picture to open the side window.

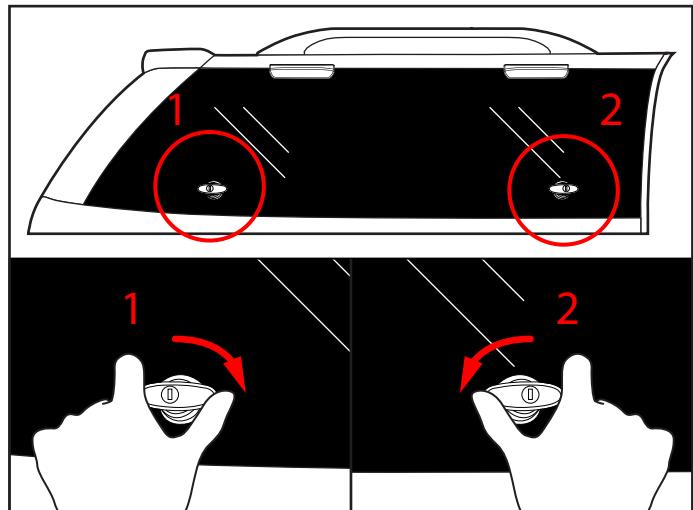


Picture shows how to open the side window.

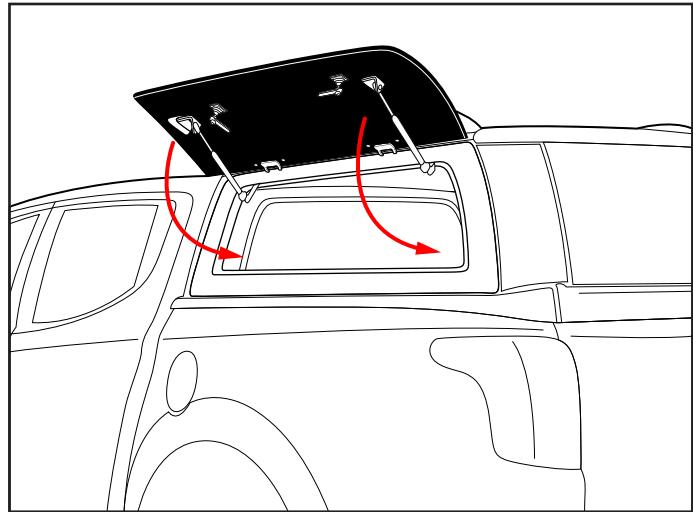
User manual



Glass Birdwing Window Left-Right
(Handle Lock)



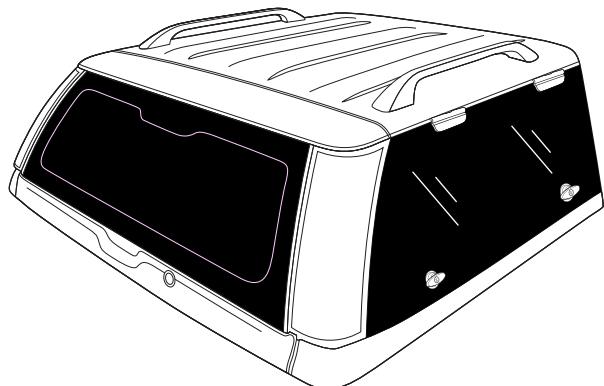
Turn around the canopy lock as shown in picture to close the side window.



Picture shows how to close the side window.

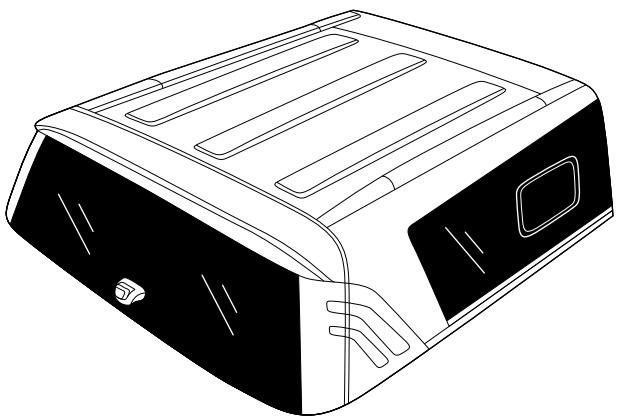


User manual

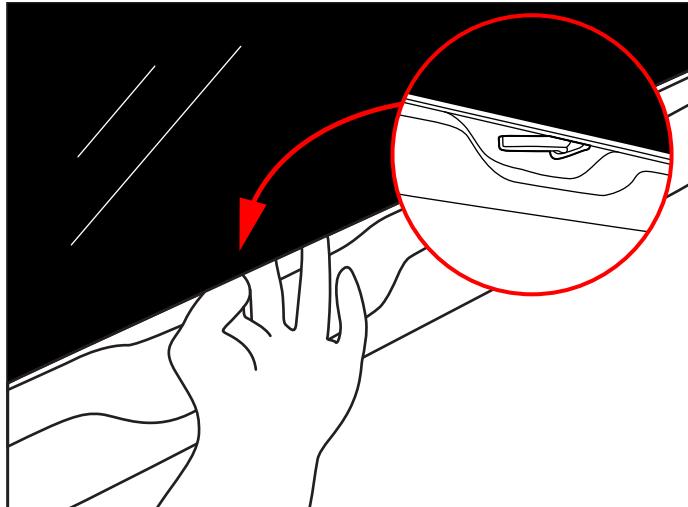


Backdoor

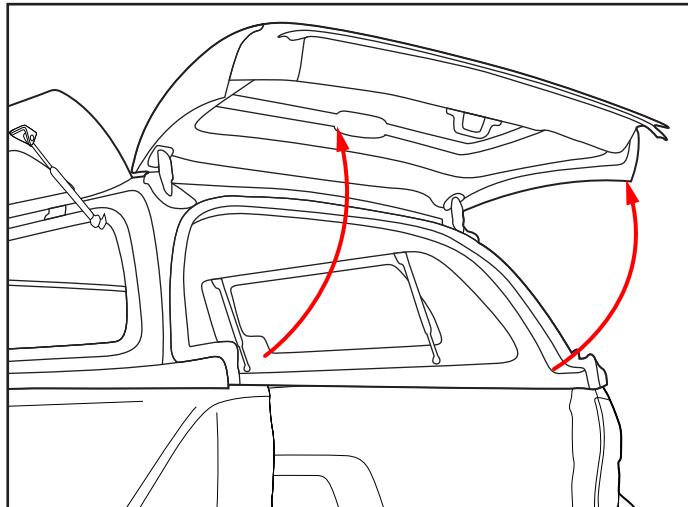
User manual



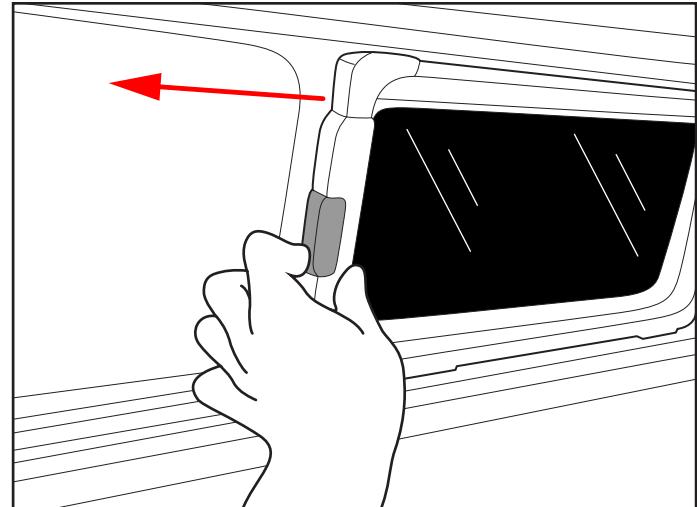
Slide Window (Left-Right)



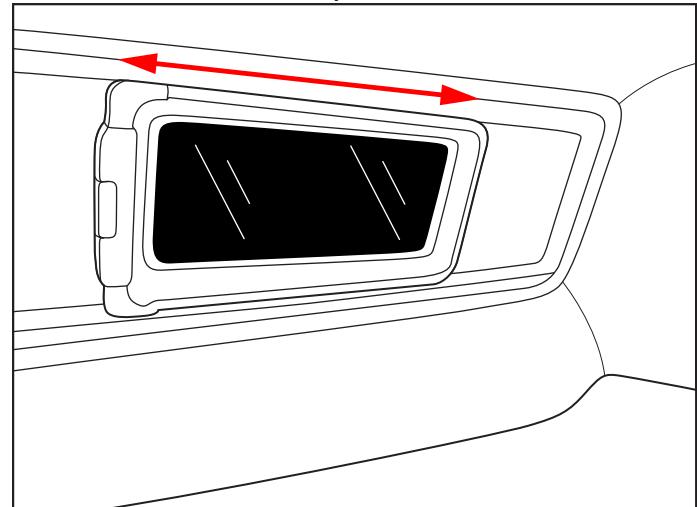
Pull the stick of handle to open the back door.



The Picture shows how to open the backdoor.



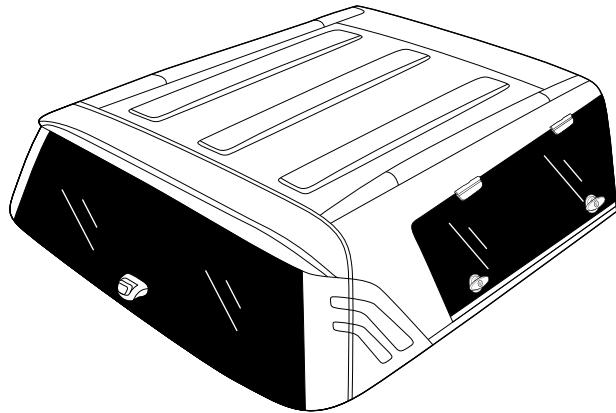
Push the button in side canopy and slide back to open.



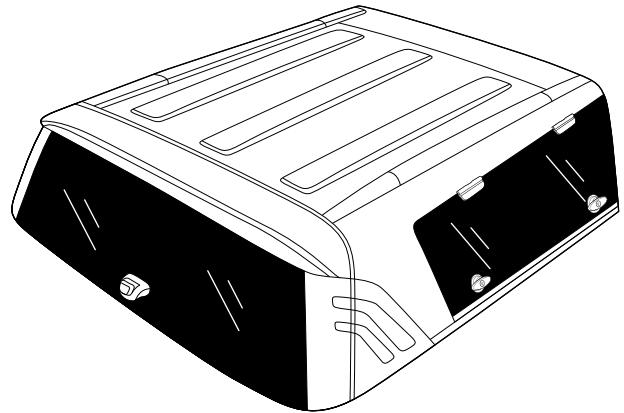
Picture shows how to open the side window from inside.



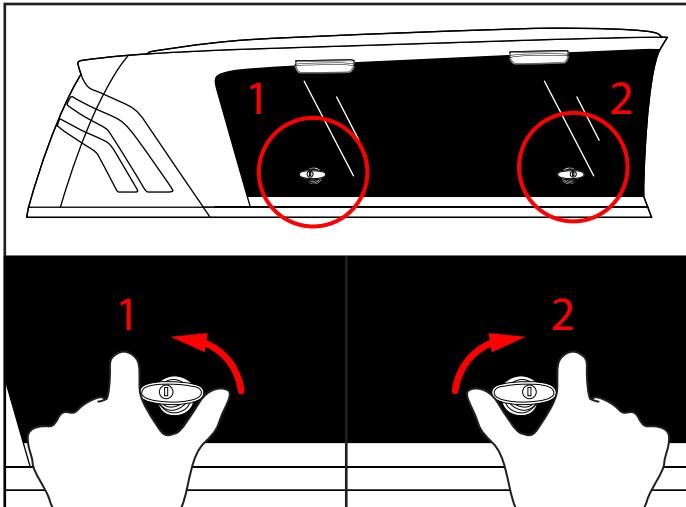
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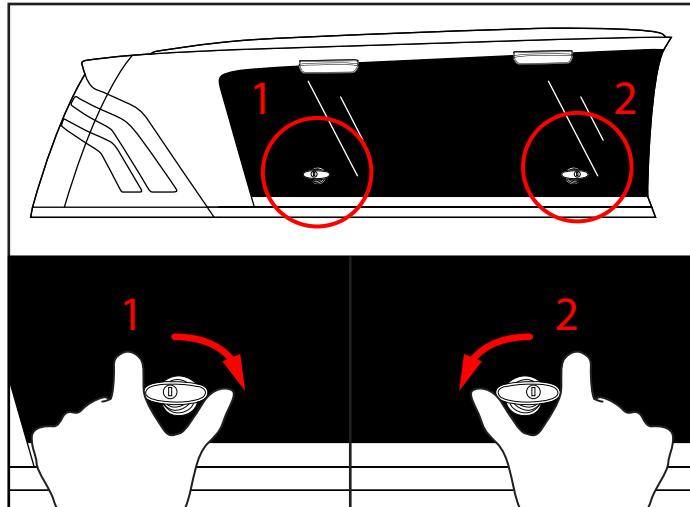
Glass Birdwing Window Left-Right
(Handle Lock)



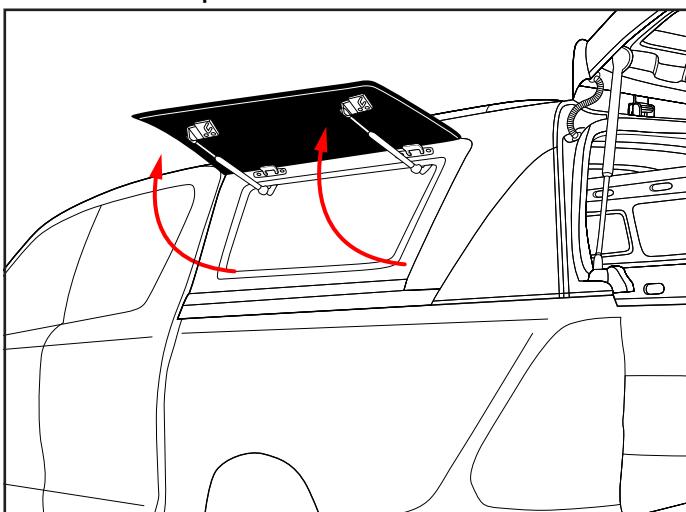
Glass Birdwing Window Left-Right
(Handle Lock)



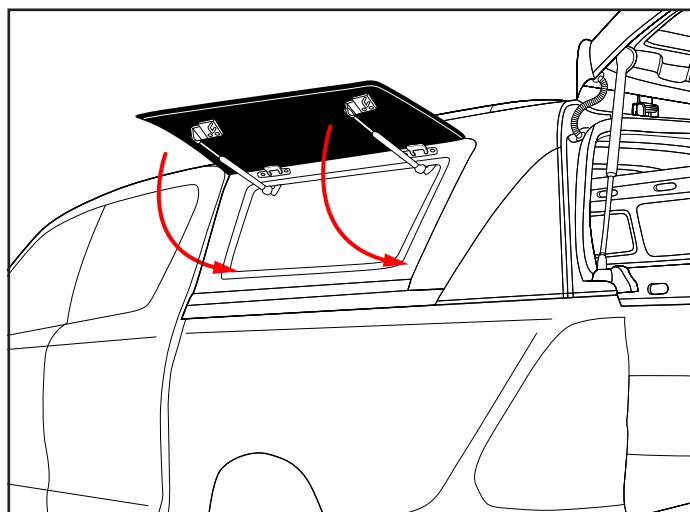
Turn around the canopy lock as shown in picture to open the side window.



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



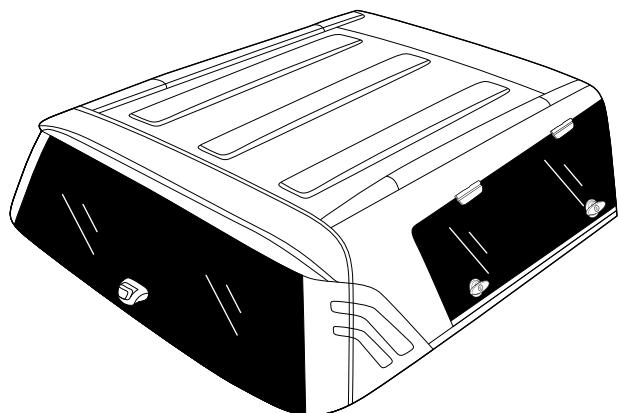
Picture shows how to open the side window.



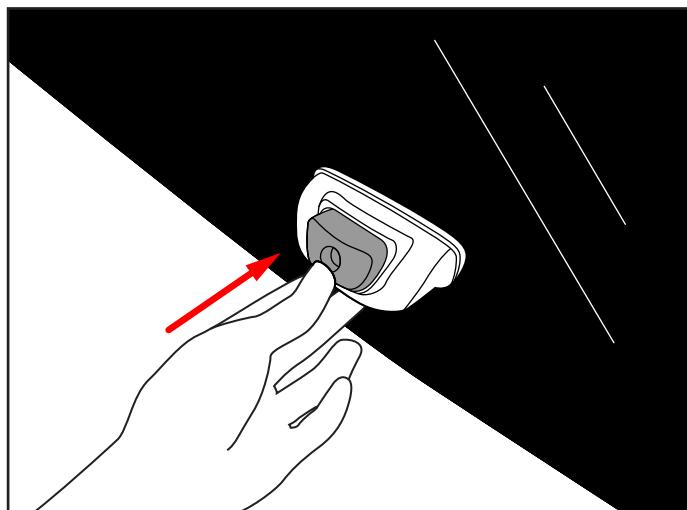
Picture shows how to close the side window.



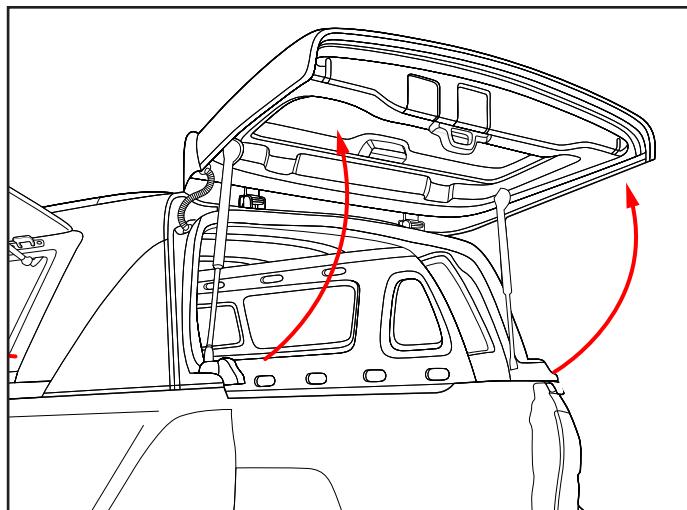
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Backdoor



Push the button to open the back door.



The Picture shows how to open the backdoor.