



SAMMITR

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

Version 1.0



SAMMITR

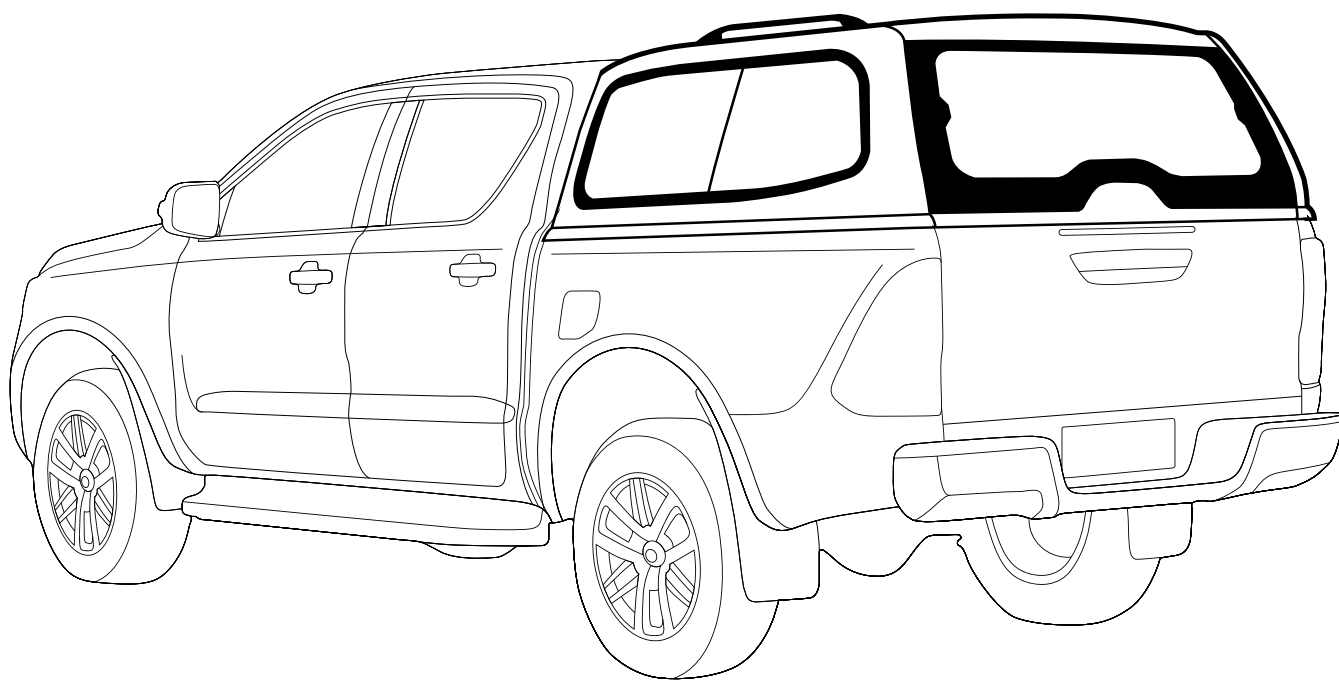
Electrical and Mechanical Installation Manual for

TOYOTA HILUX REVO

S-plus **V2**

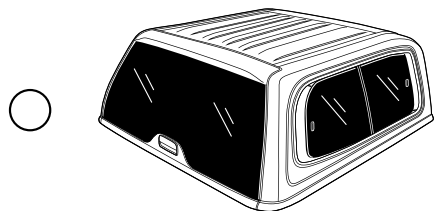


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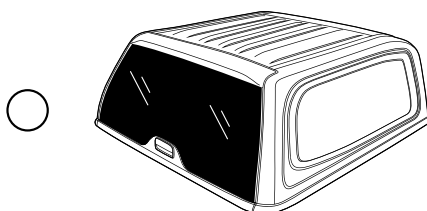




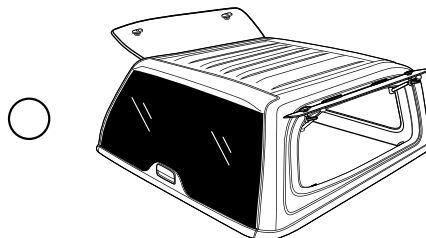
■ Steel Canopy S-Plus V2



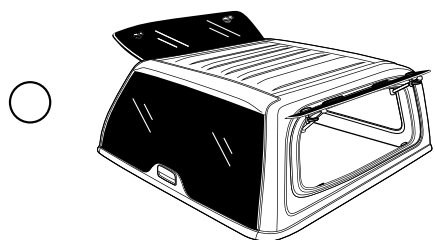
Glass Slide Window



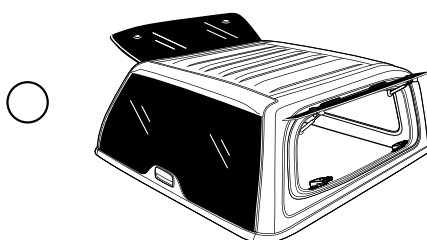
Solid Window



Solid Birdwing Window (Handle Lock)

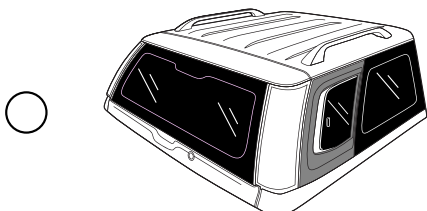


Glass Birdwing Window (Handle Lock)

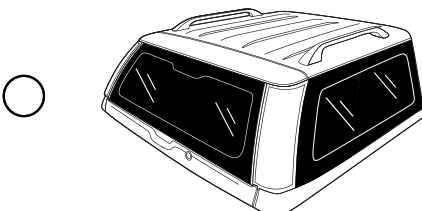


Glass Birdwing Window (Electric Lock)

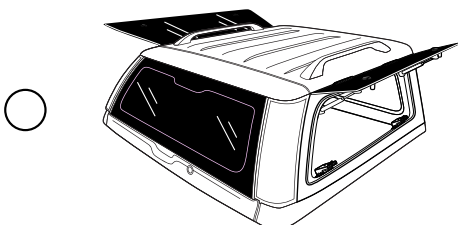
■ Steel Canopy SUV-Plus V4



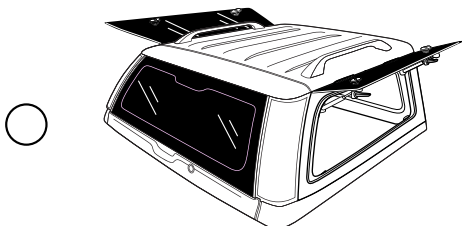
Glass Slide Window



Glass Fix Window

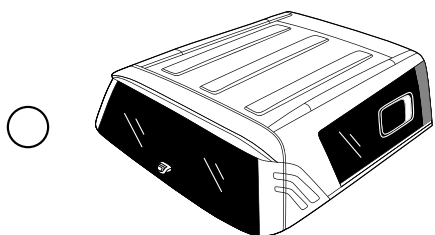


Glass Birdwing Window (Electric Lock)

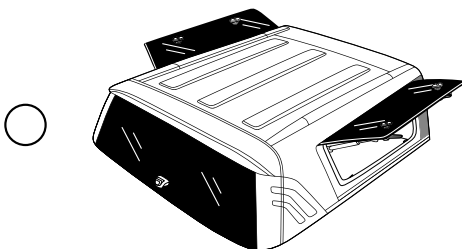


Glass Birdwing Window (Handle Lock)

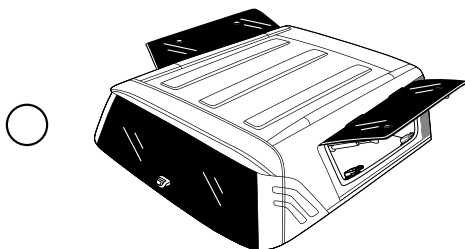
■ Steel Canopy TL-1



Glass Slide Window



Glass Birdwing Window (Handle Lock)



Glass Birdwing Window (Electric Lock)



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Installation Manual

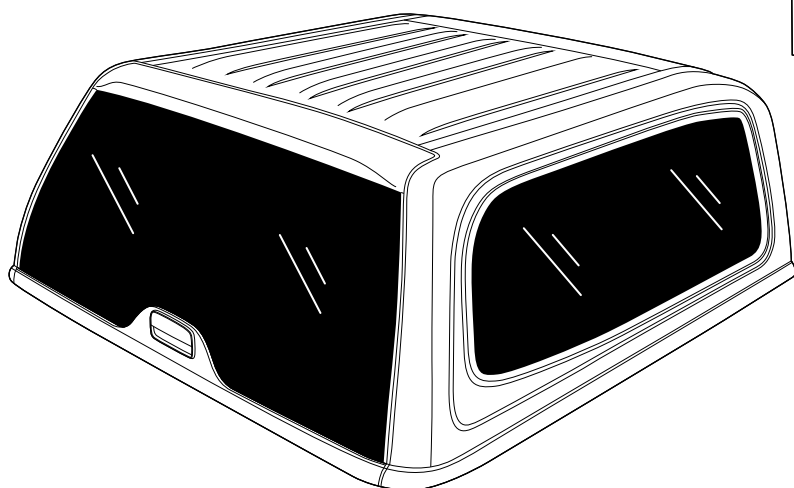
TOYOTA HILUX REVO

Steel Canopy : S-Plus V2

Version 1.0

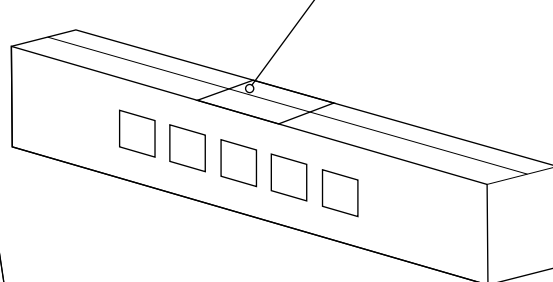
Part In Main Carton

P1: Steel Canopy S-Plus V2

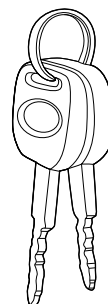


P2: Kit Box

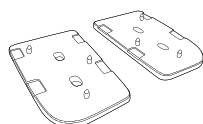
Part List Paper



P3: Key

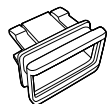


Kit Box

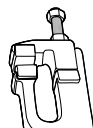


x2

K2 : Rubber R/L

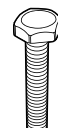


K3 : Switch Case



x4

K5 : C-Clamp



x8

K7 : Bolt M6



x8

K9 : Washer M6



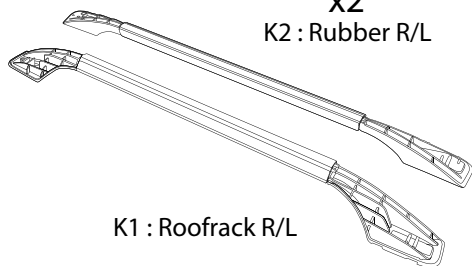
x8

K10 : Washer M8

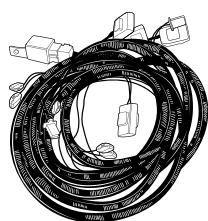


x8

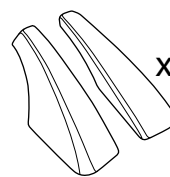
K11 : Spring Washer M6



K1 : Roofrack R/L

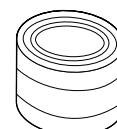


K4 : Wiring No.38



x2

K6 : Roofrack Cover

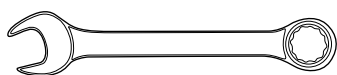


K8 : T Paint

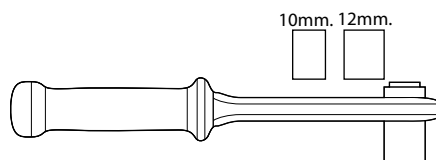
Tools



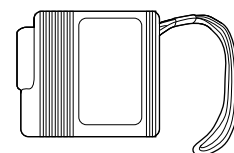
T1 : 13 mm. Wrench



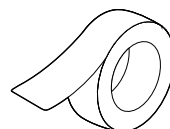
T2 : 10 mm. Wrench



T3 : 10,12mm. Torque Wrench



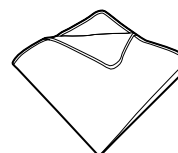
T4 : Measuring Tape/Ruler



T6: Tape



T7 : Electric Tape

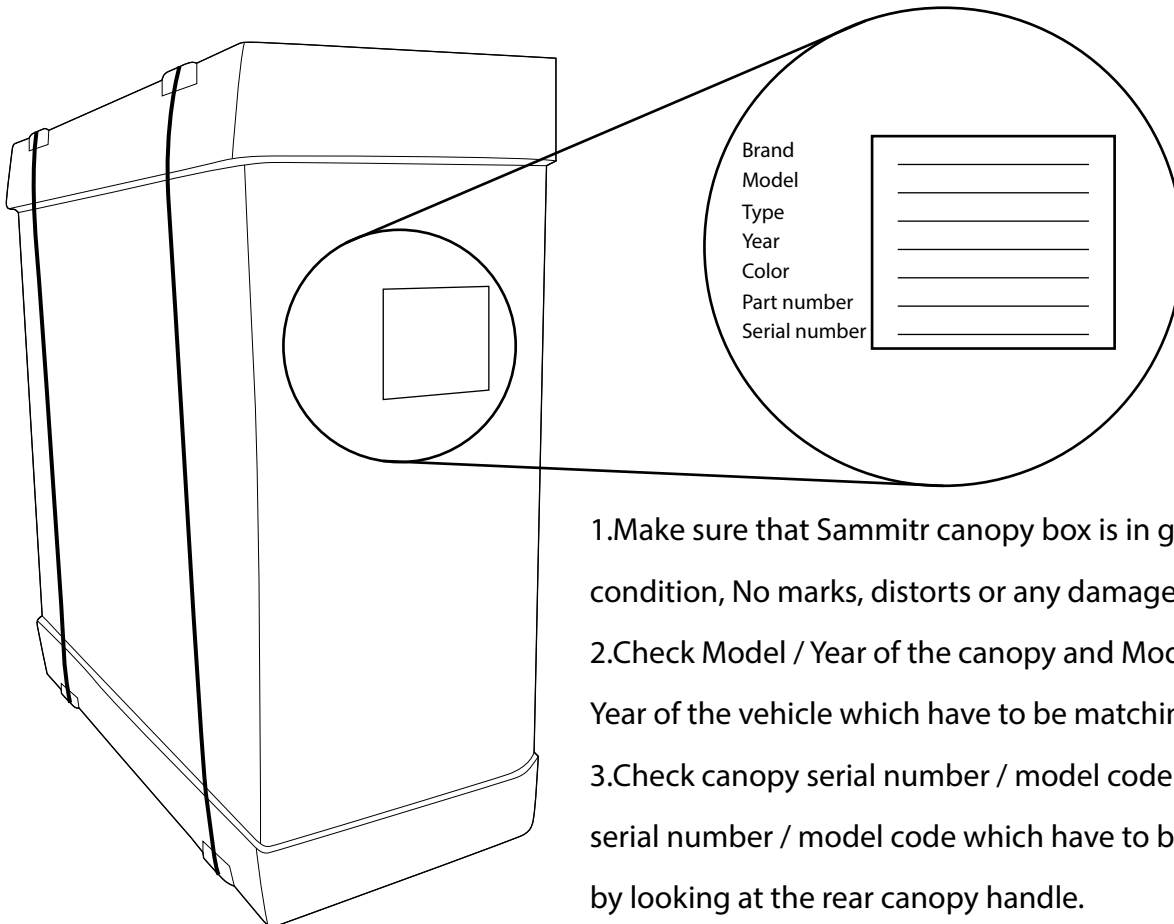


T8 : Fabric

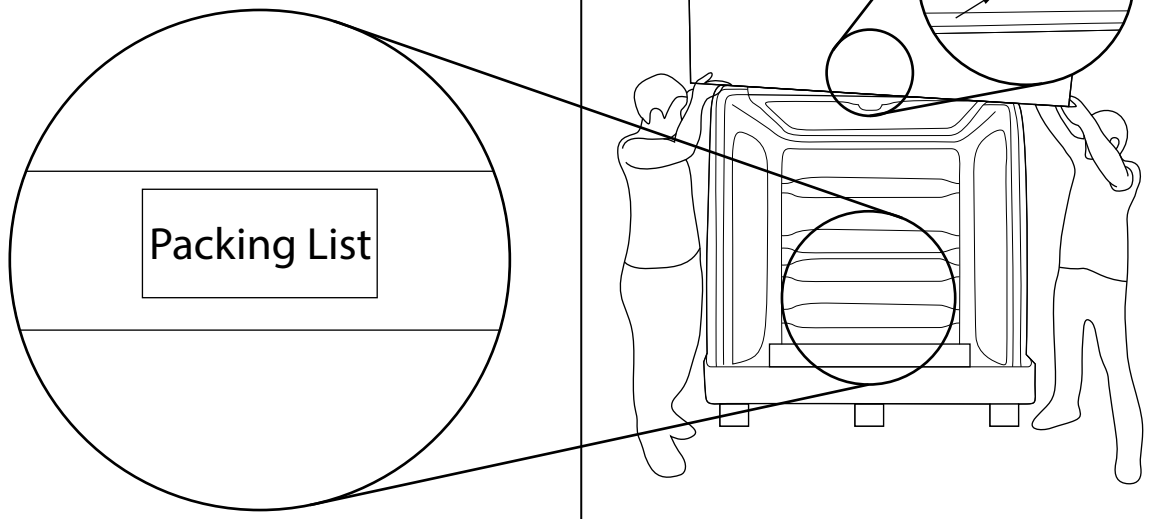


1

The Procedure of checking the Sammitr canopy box before installation.

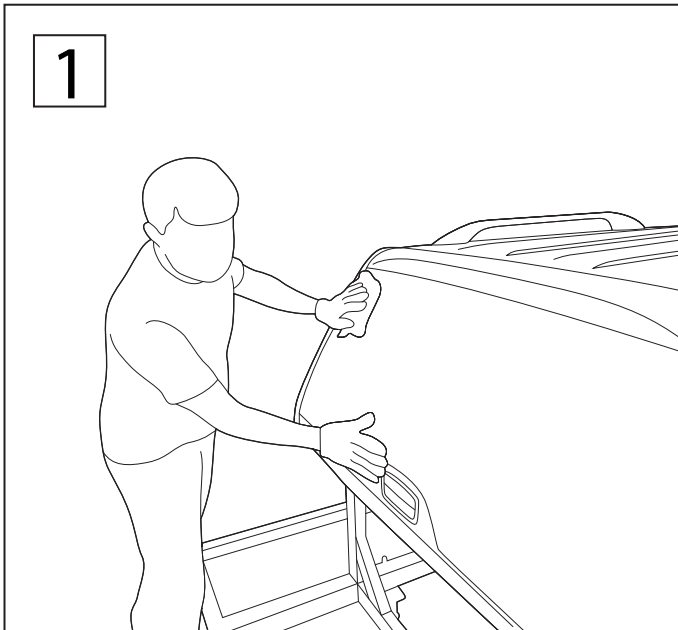


4. Check all the accessories received inside the box with the Packing List.

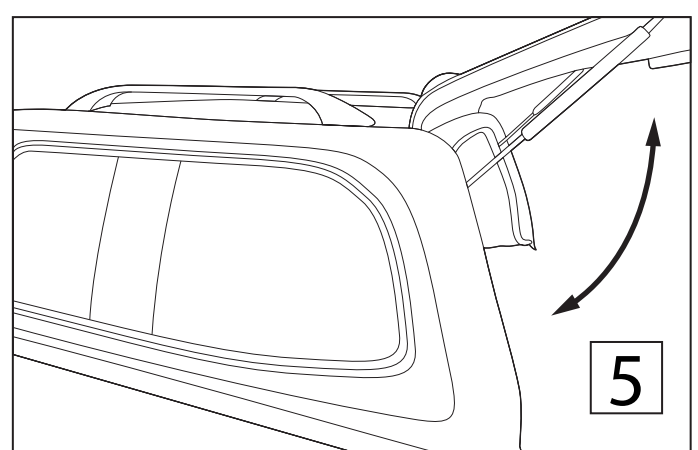
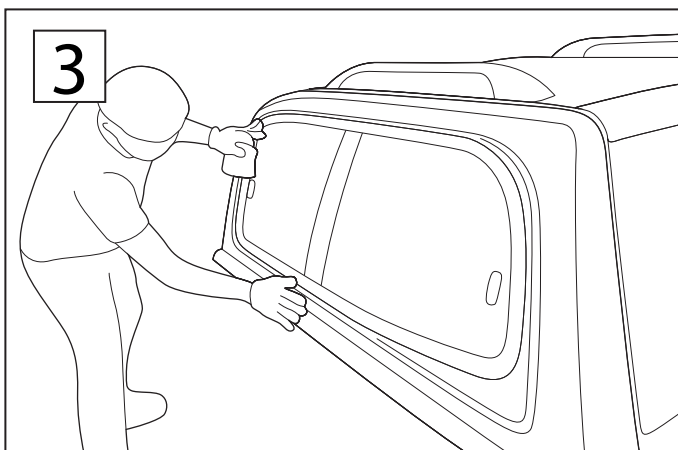
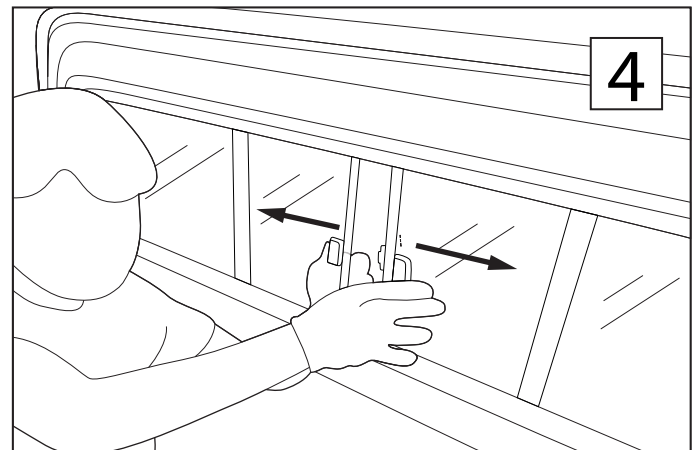
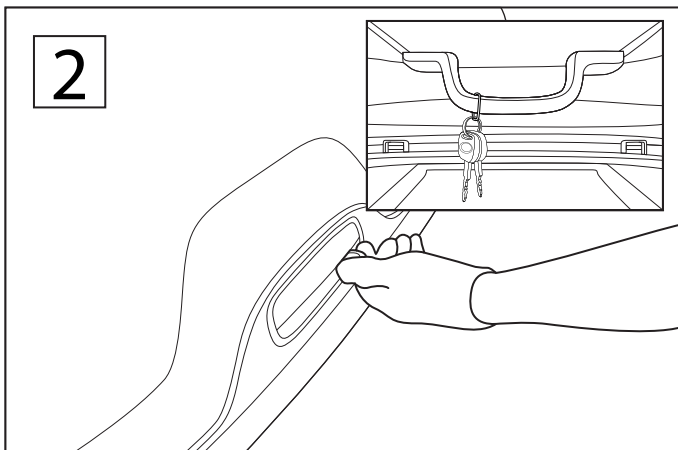




② The preparation process of Sammitr Canopy S-Plus V2 model before installation with the vehicle.



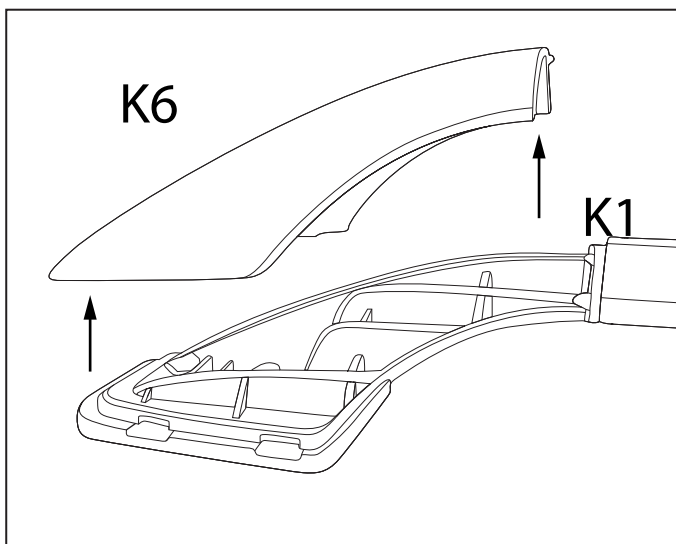
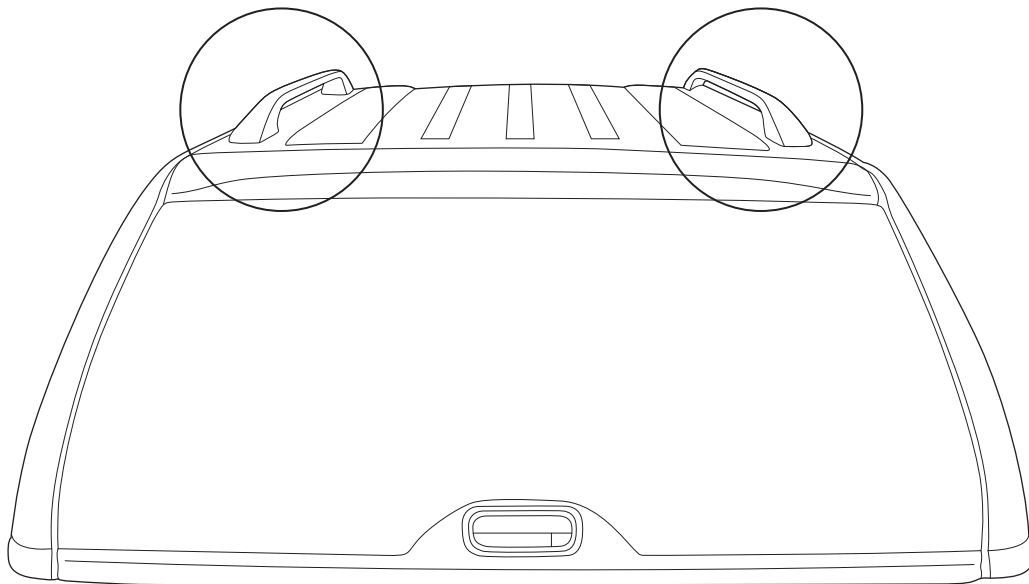
1. Canopy have to be in good condition, no damage, dent, cracks, smooth surface including no window damages or cracks.
2. Locking system is working for both keys.
3. Canopy sides are not damage, dent or cracks.
4. Canopy front window panel is working (open/close), no cracks or damages occurrences.
5.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





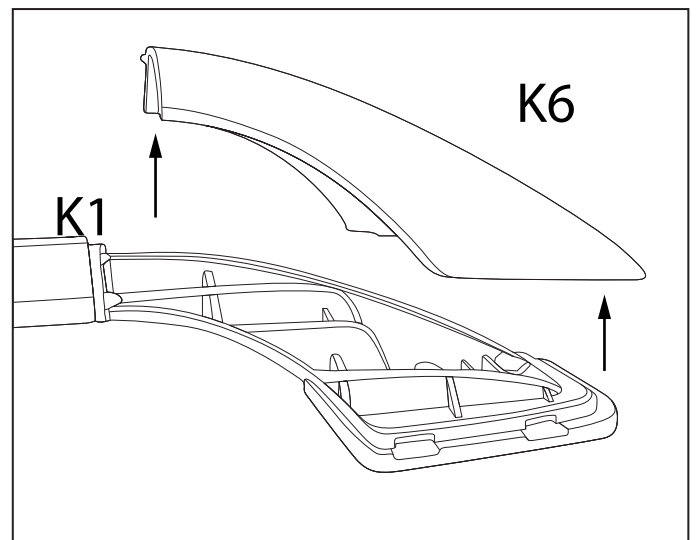
3

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



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

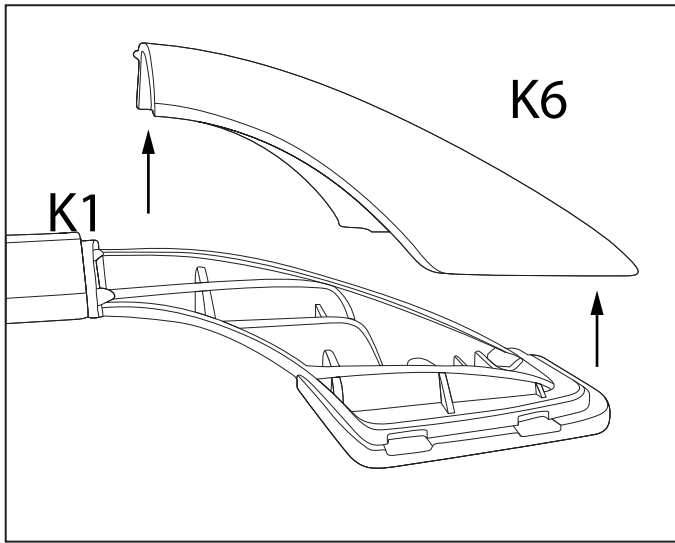
Roof rack Front Part – Rear Left



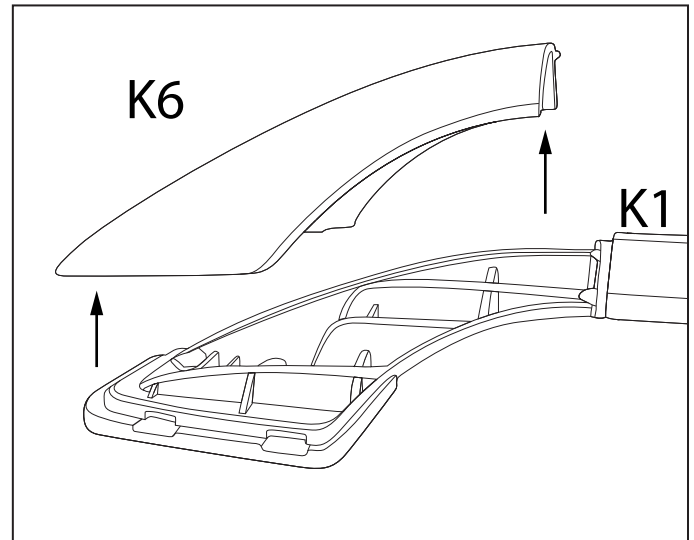


4

Roof rack Front part
Rear Right.



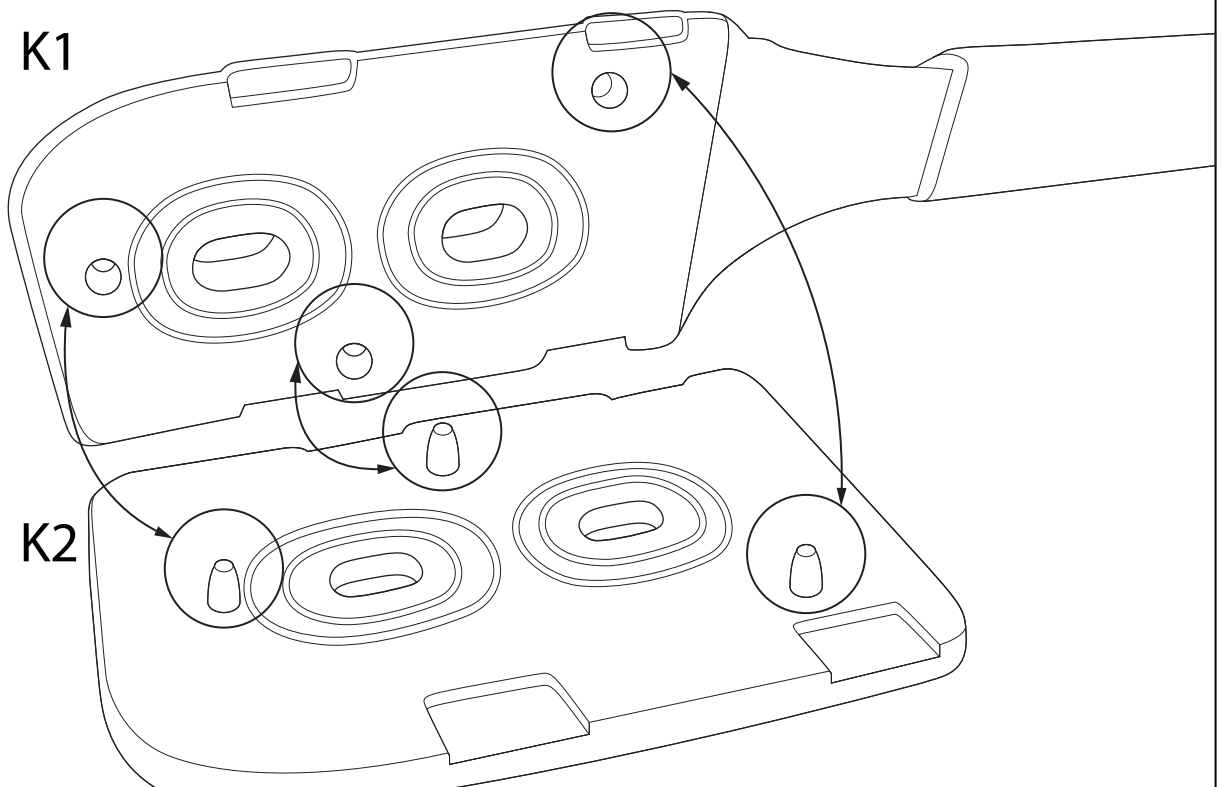
The process of remove
the roof rack cover on
the S-Plus V2 canopy
in order to install nuts.



5

K1

K2



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

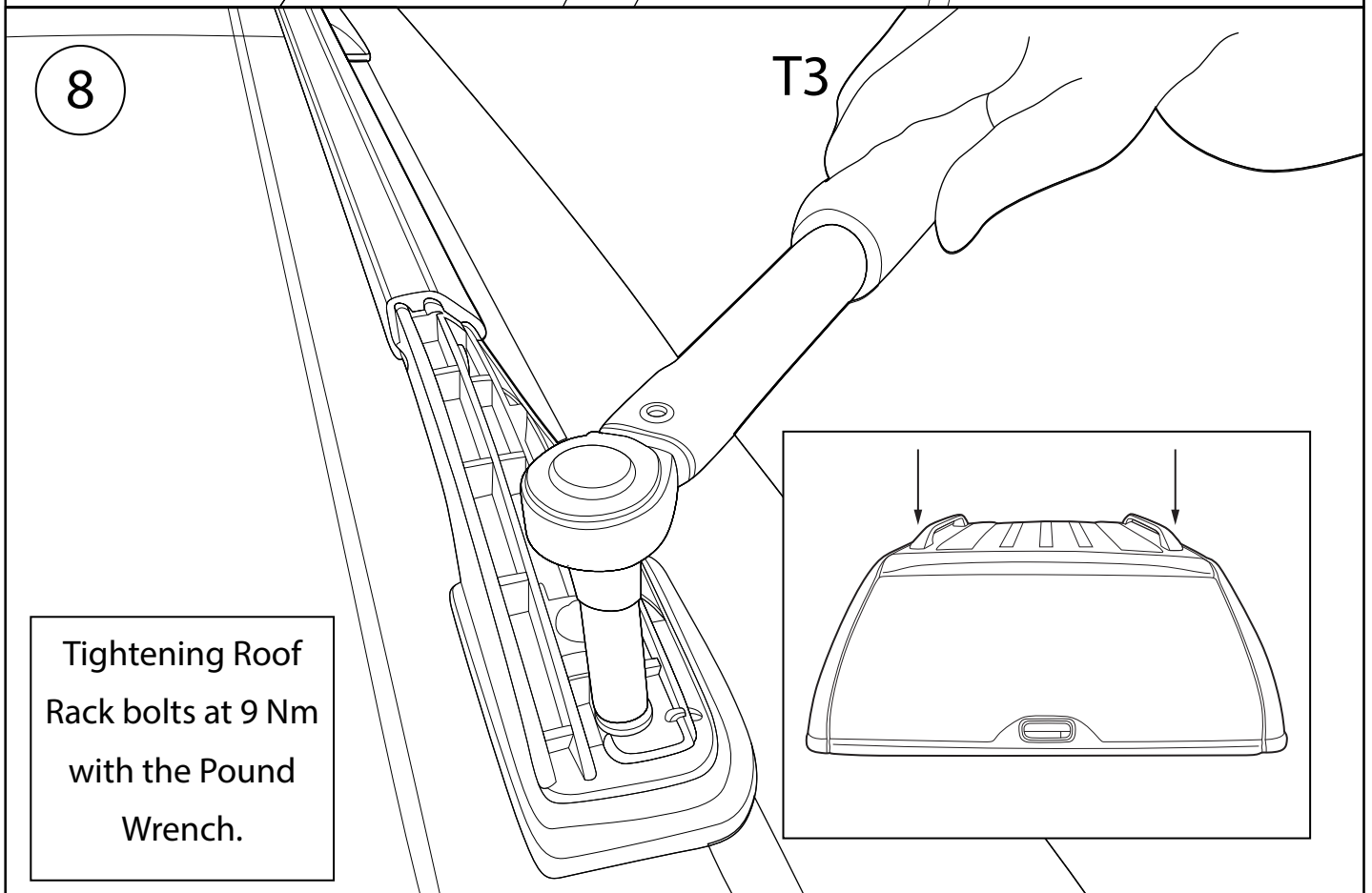
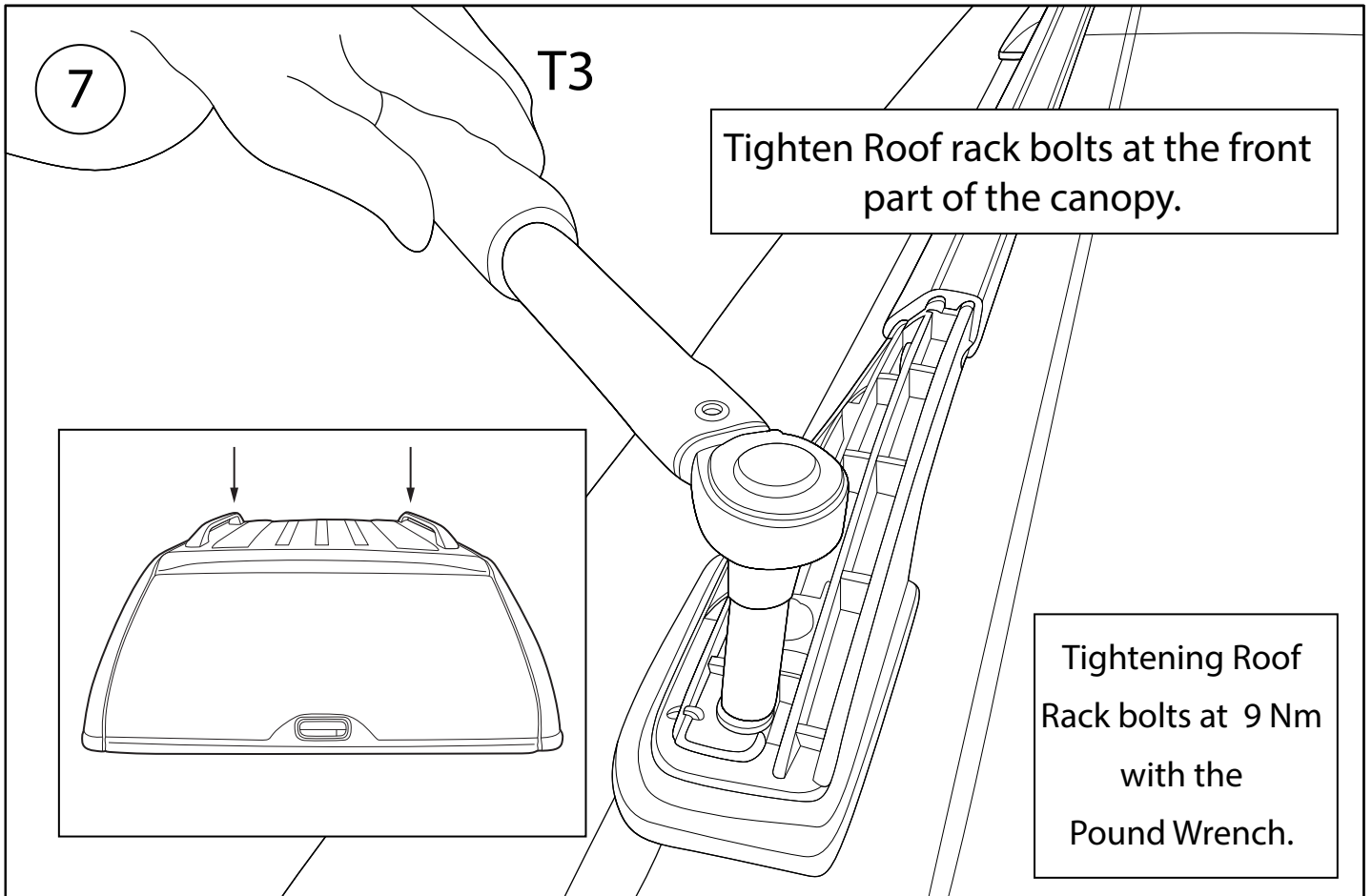
Roof rack

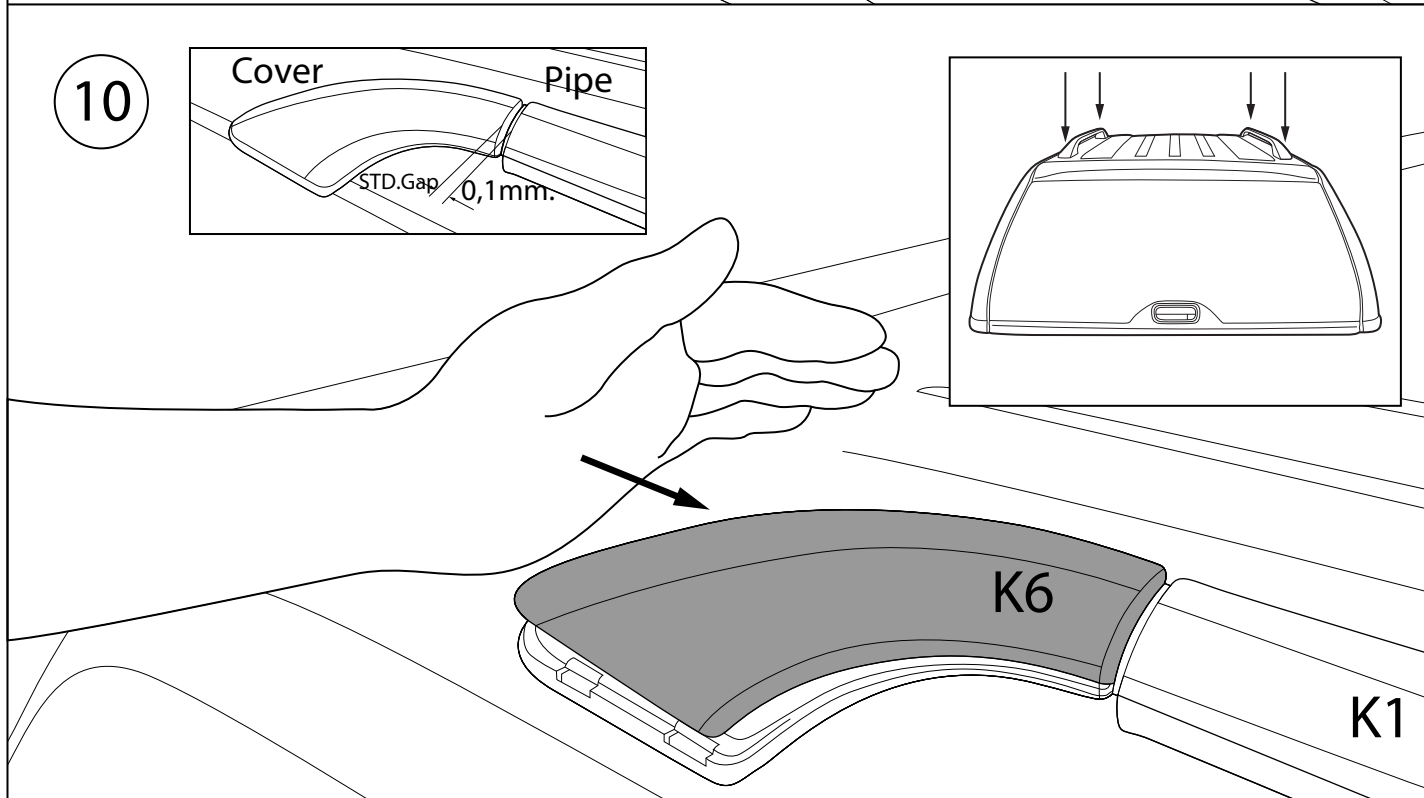
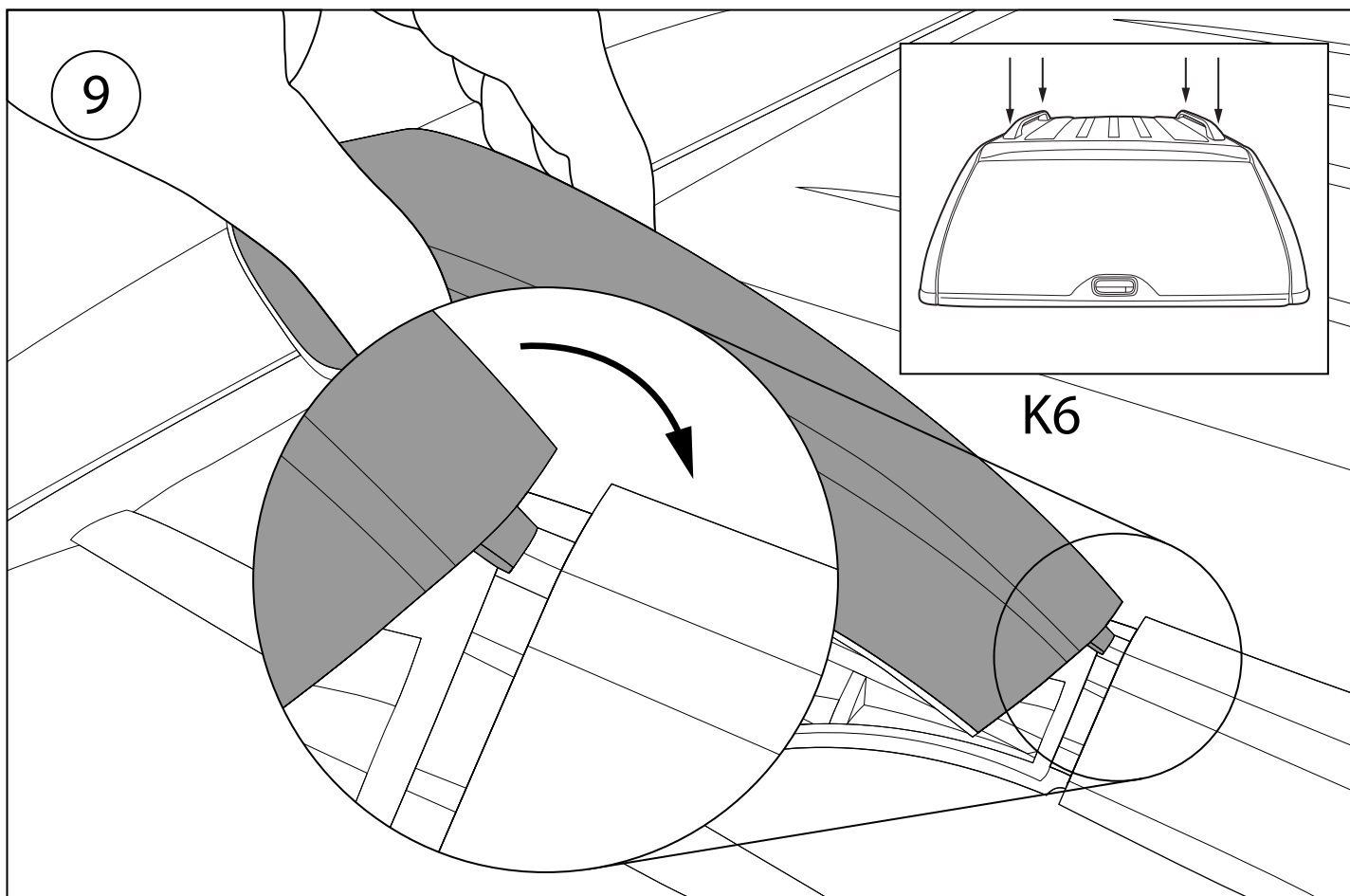
K1

Rubber Pad

K2

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

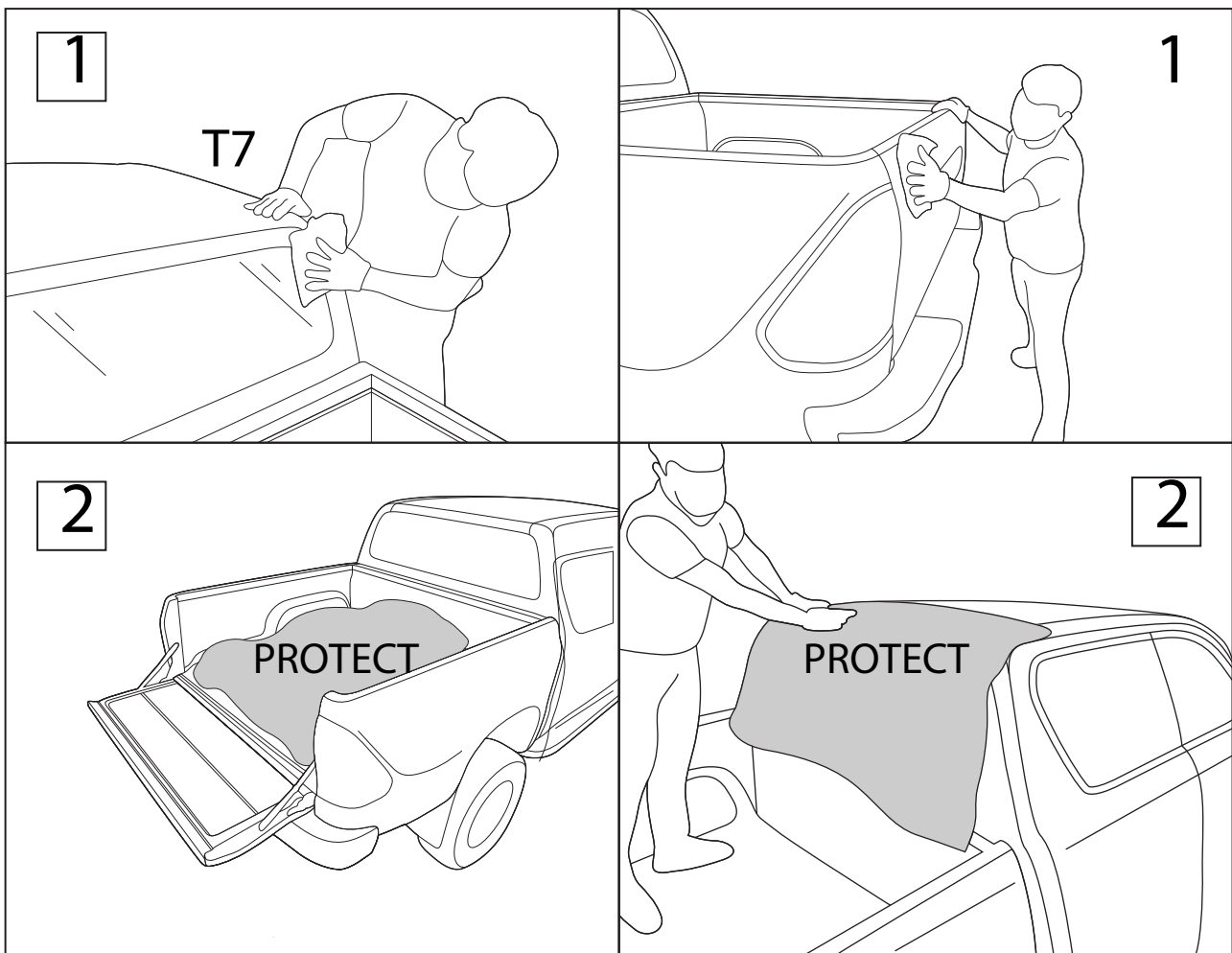


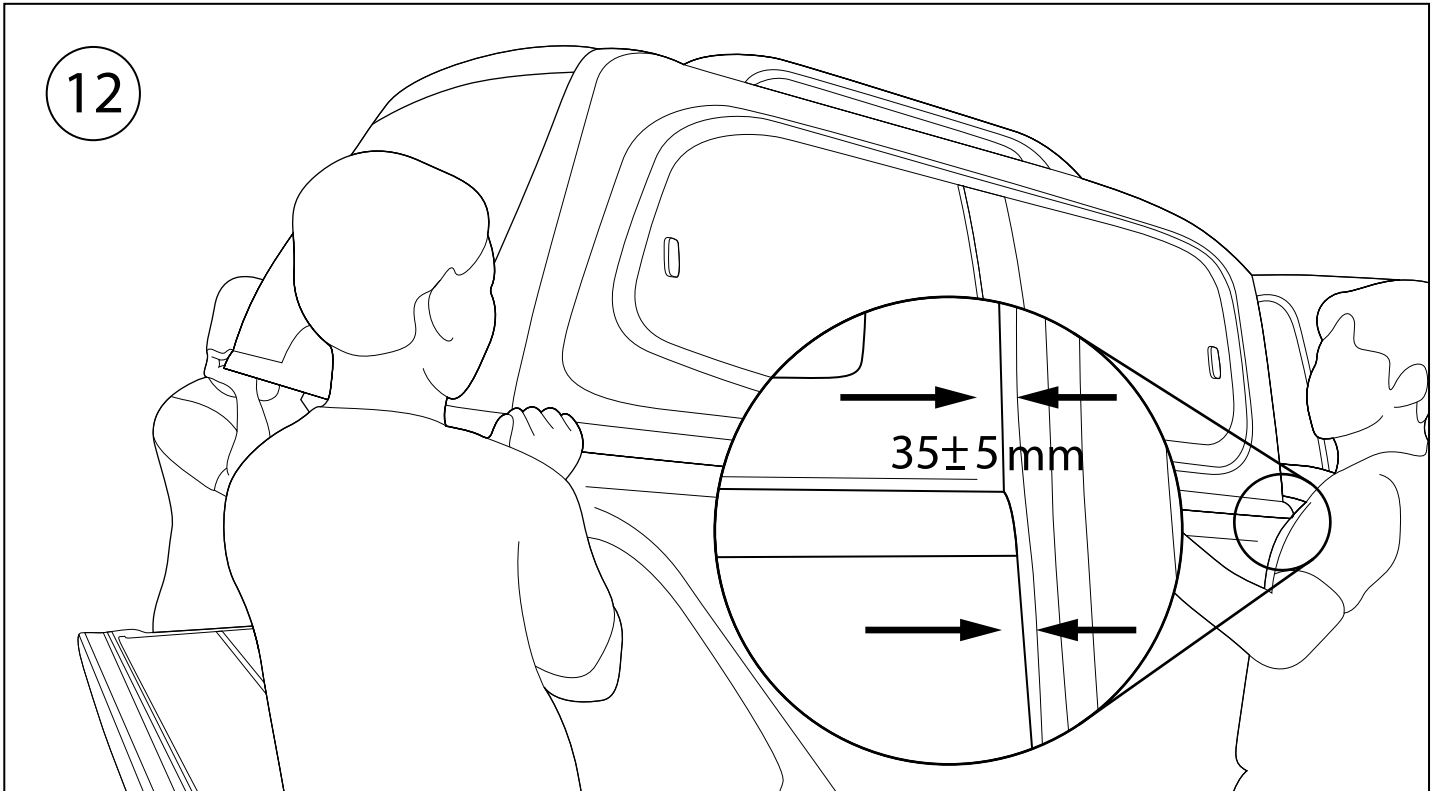


Press and push the Roof rack cover back to the position by hand, then check the gap between cover and roof rack (pipe)

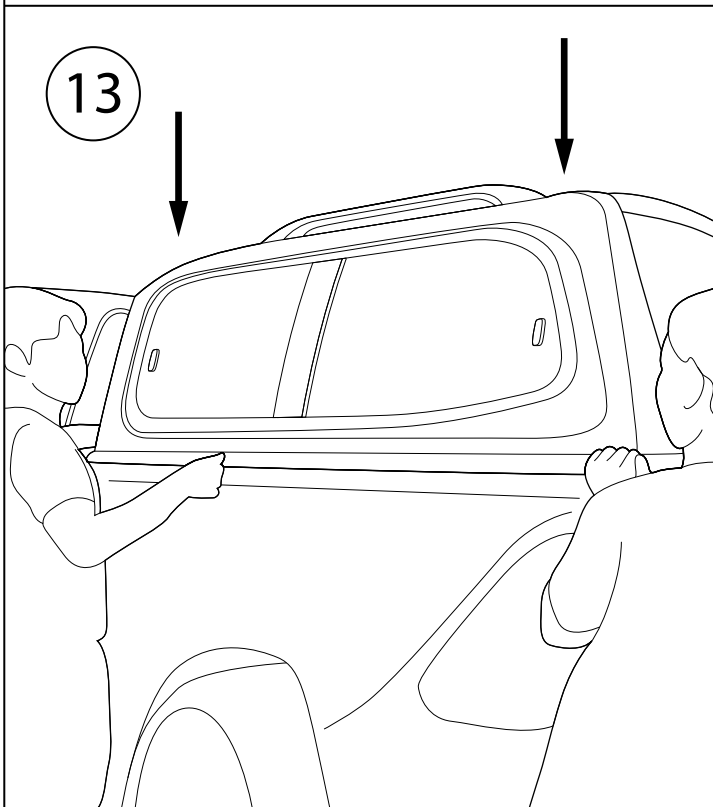
11 The process of checking and preparing the toyota Hilux Revo vehicle before install the canopy

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

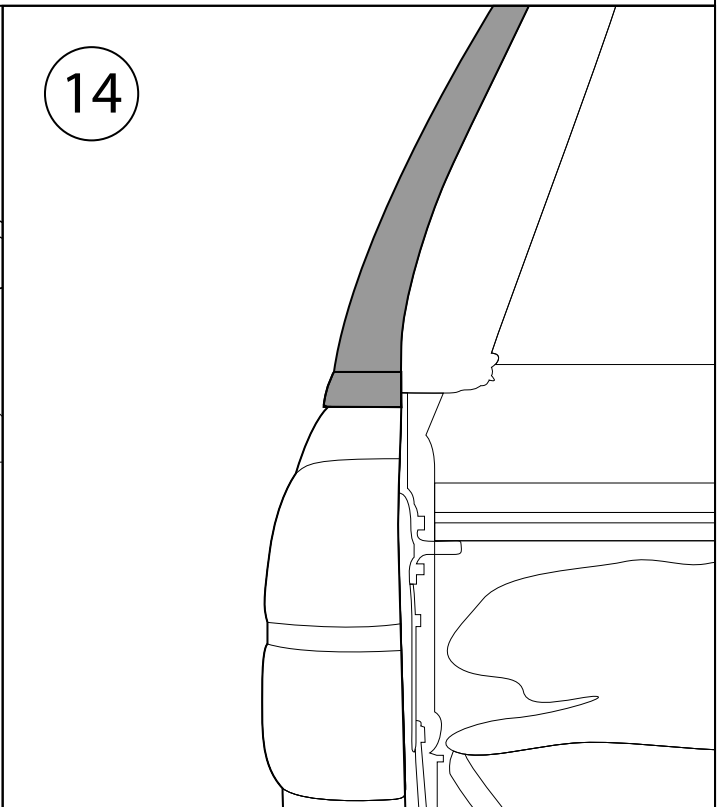




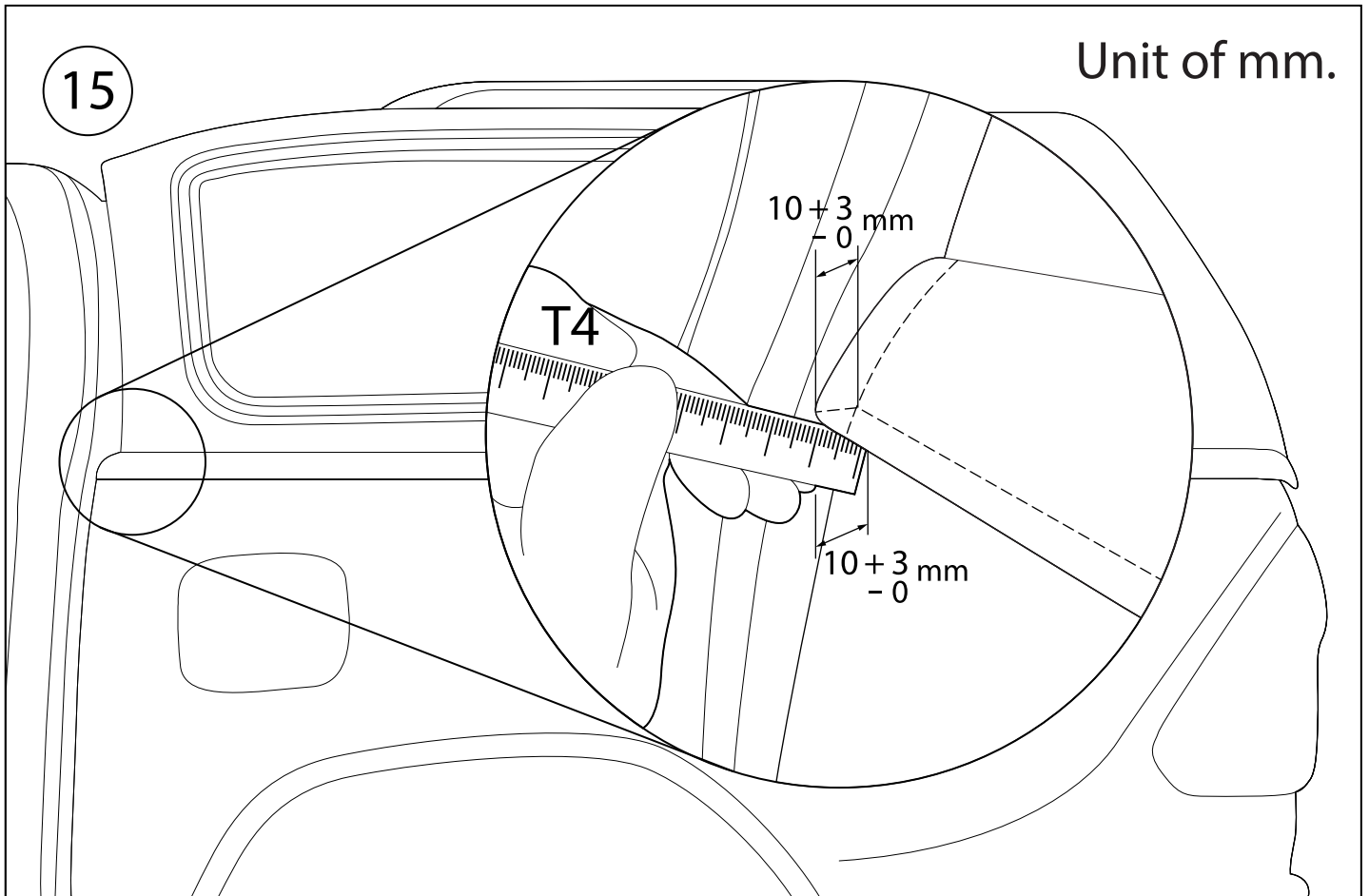
Lift canopy over the pick up truck by rising the rear part higher and the front part to be in the parallel with the edge of the vehicle tub.



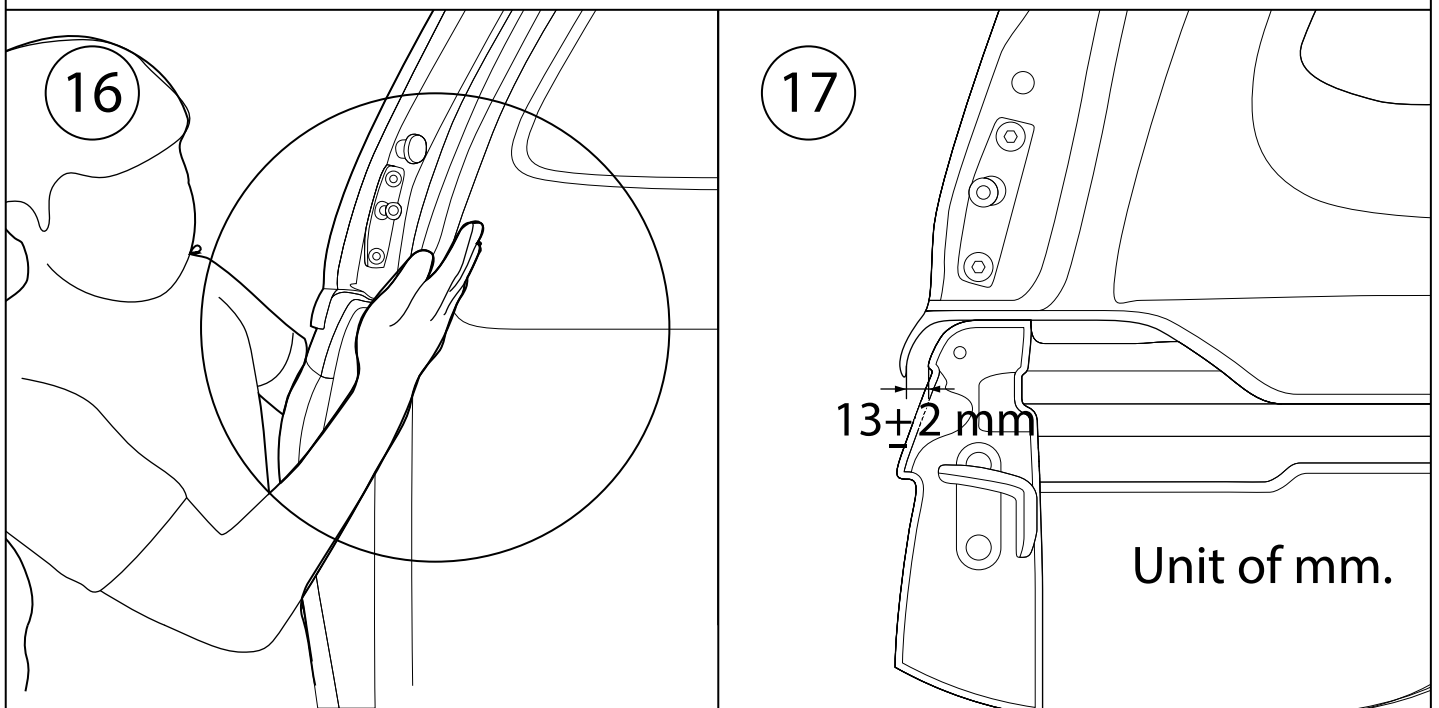
After get the distance in front part and then put the rear part to cover the vehicle tub.



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



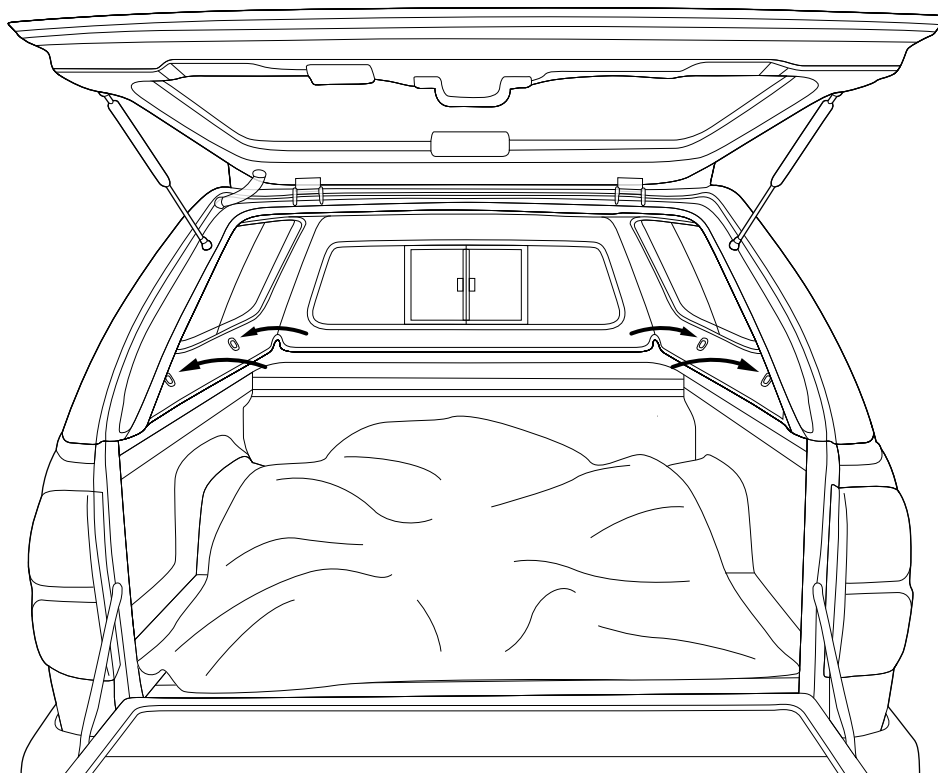
Measure the distance between canopy coverrail and the vehicle, to have the 10+3-0 mm distance in overall



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

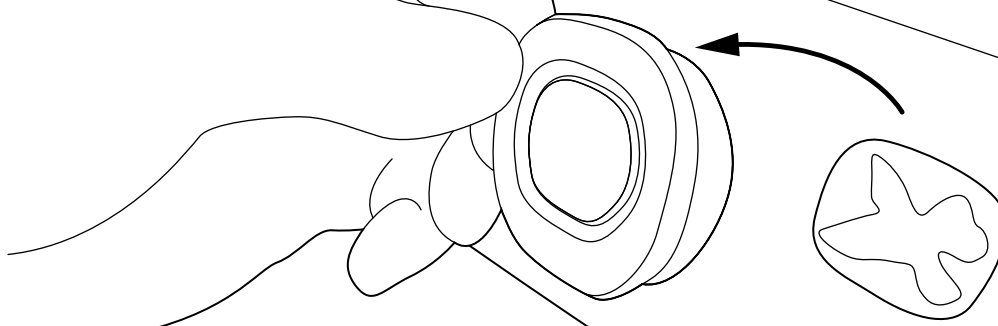
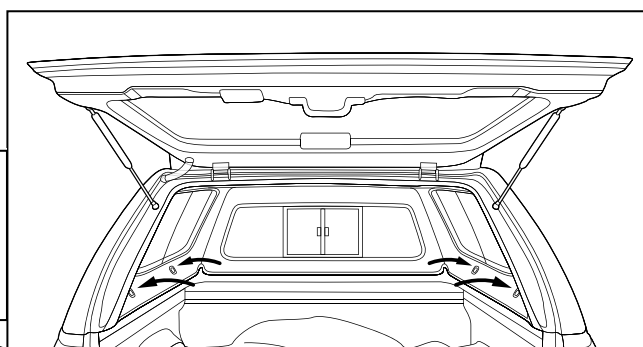


18 The process of C-Clamp installation S-Plus V2 canopy model with the vehicle



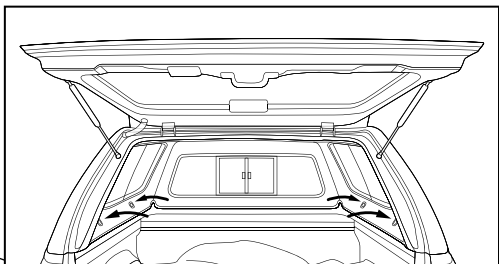
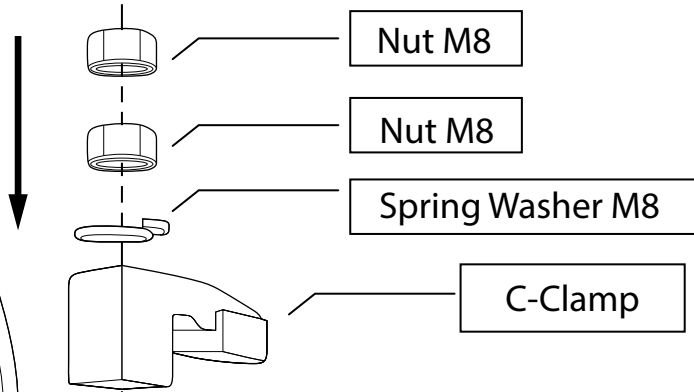
19

Open / take off the rubber plug

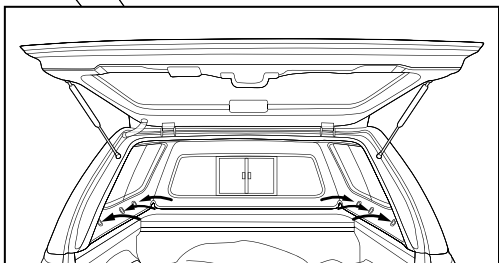




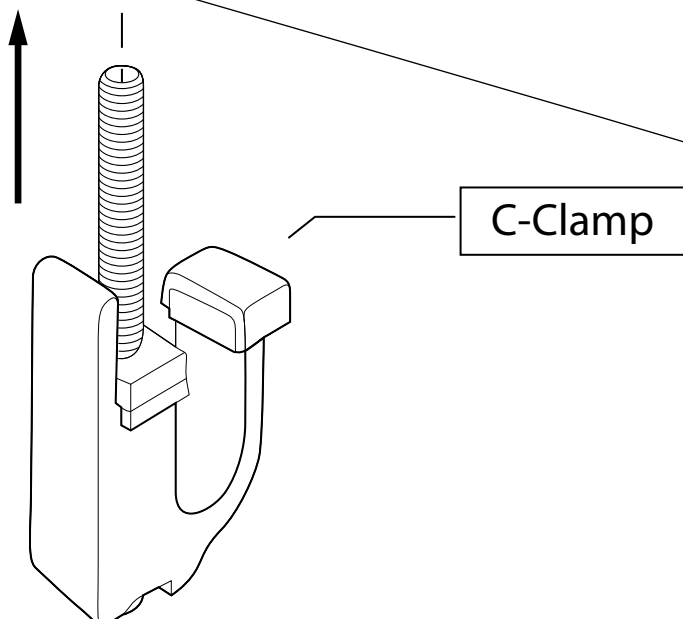
20



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



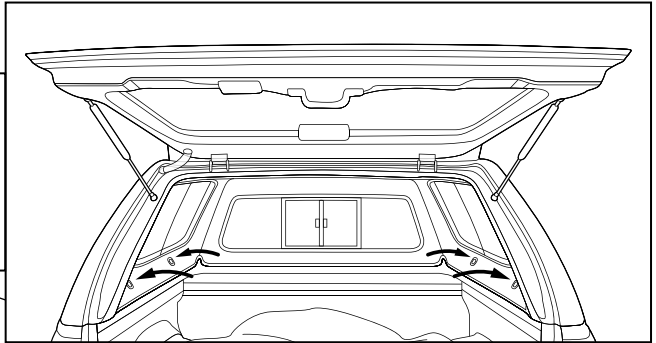
The process of C-Clamp installation onto the vehicle tub, all 6 positions (C-Cab).





20.1

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

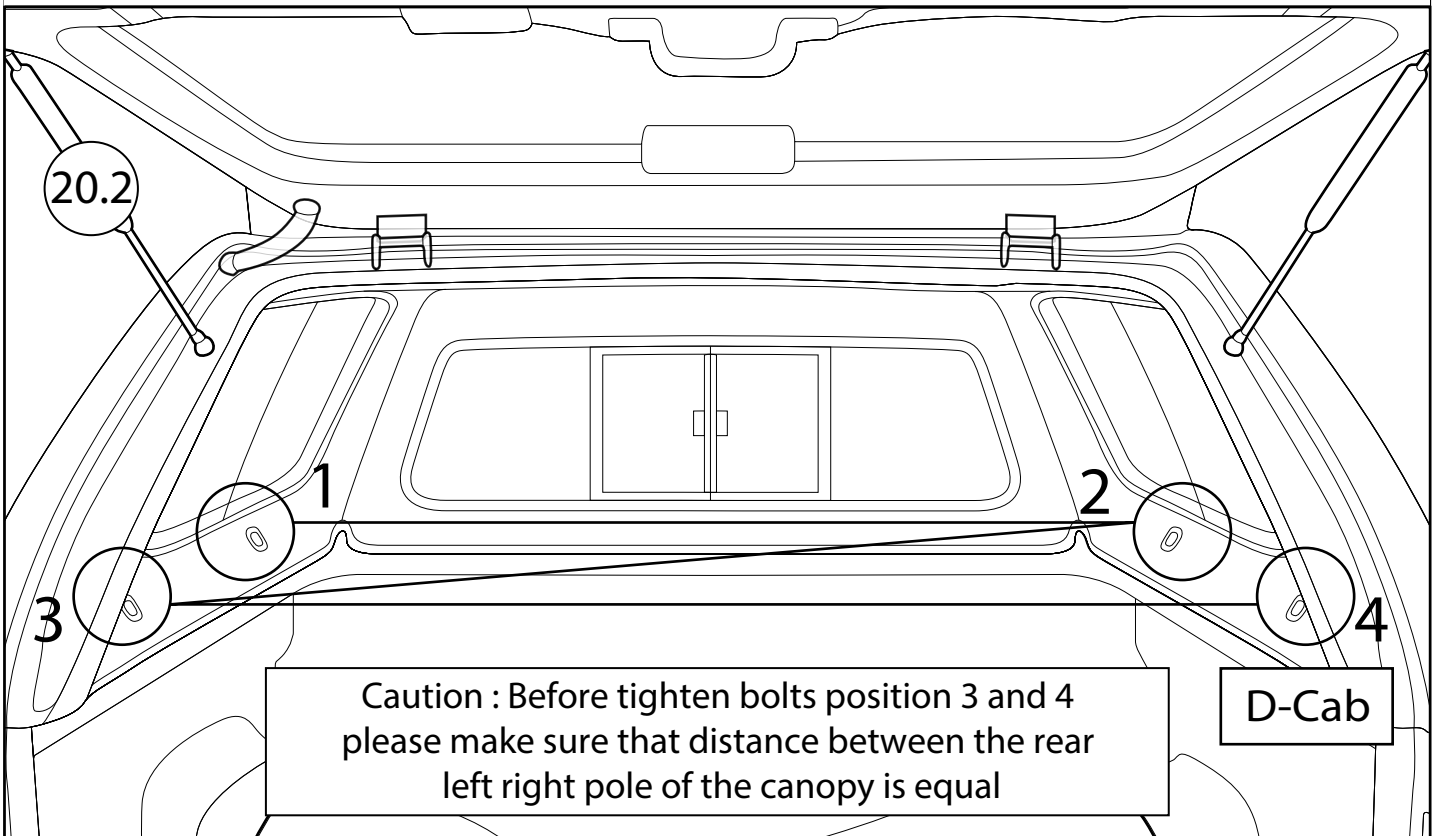


T3

D-Cab

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

20.2



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

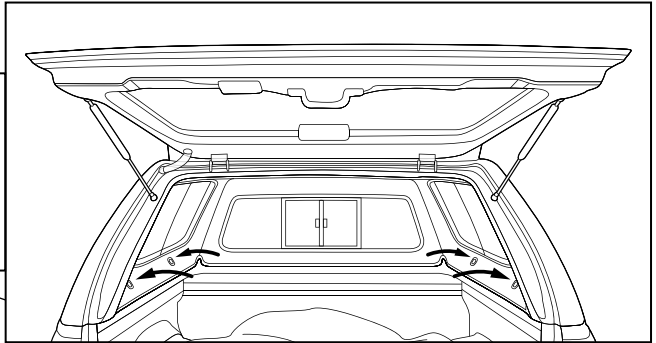
D-Cab

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.

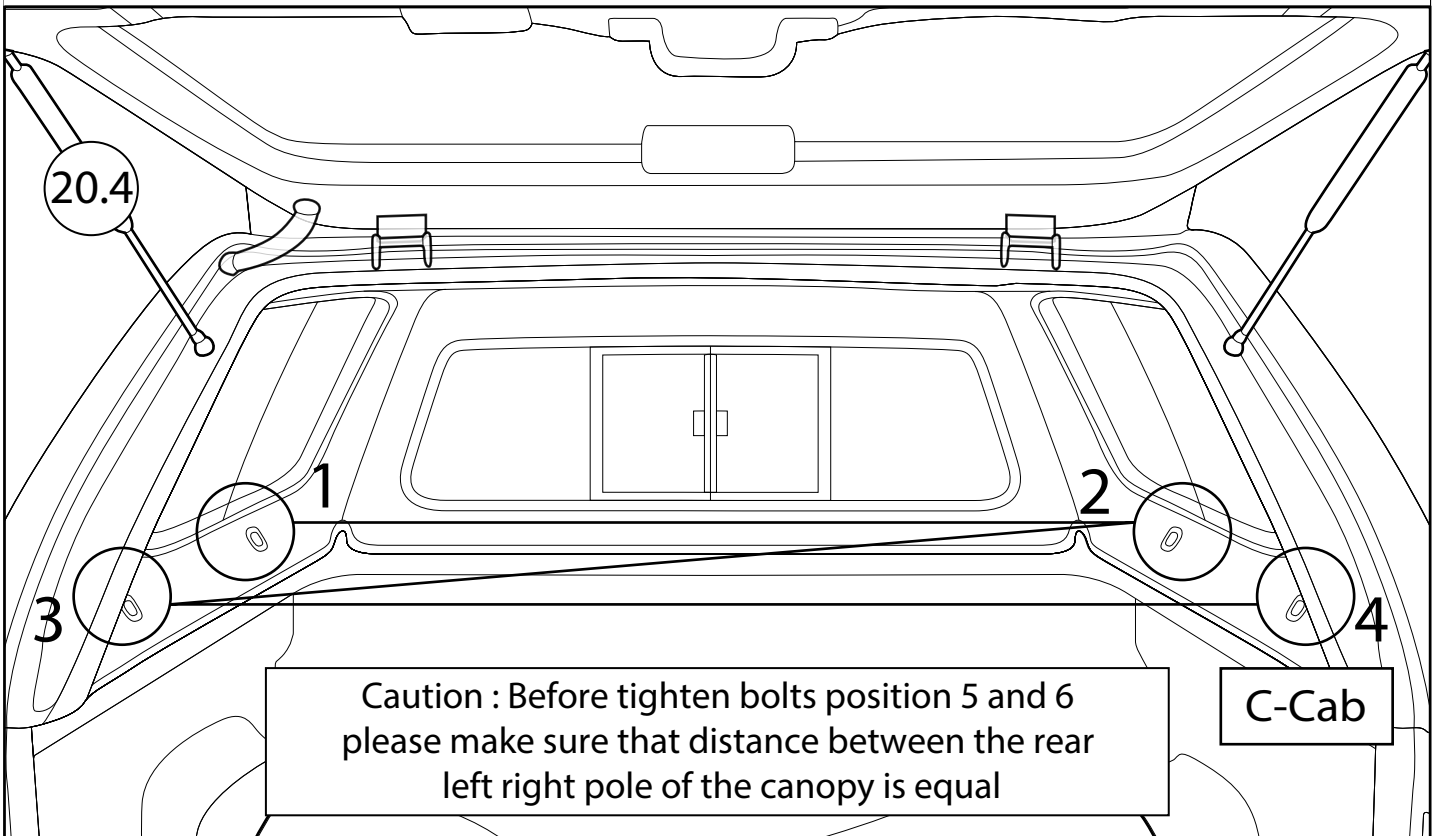


T3

C-Cab

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

20.4



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



20.5

K5

D-Cab

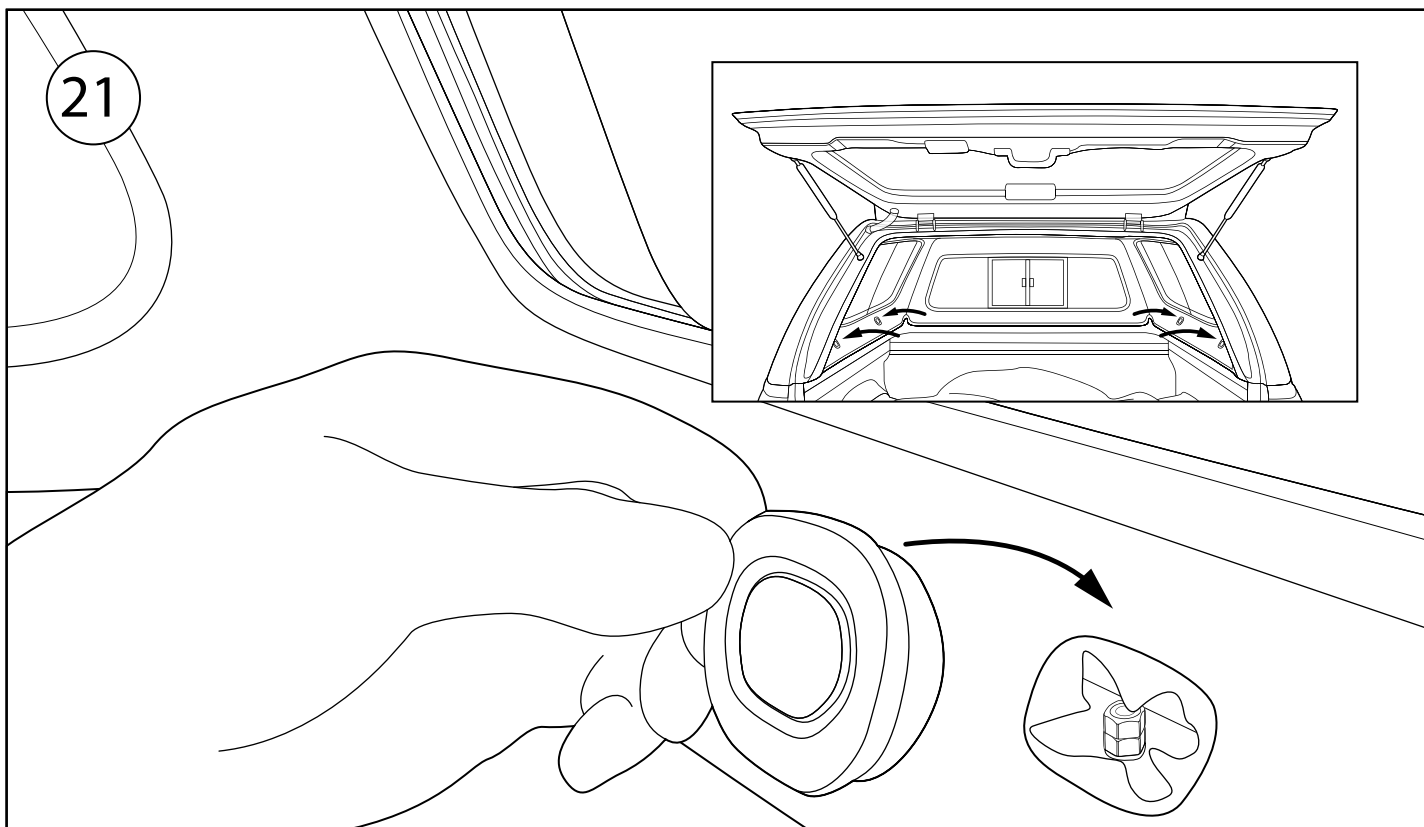
C-Clamp mounting positions
onto vehicle (Left)

20.6

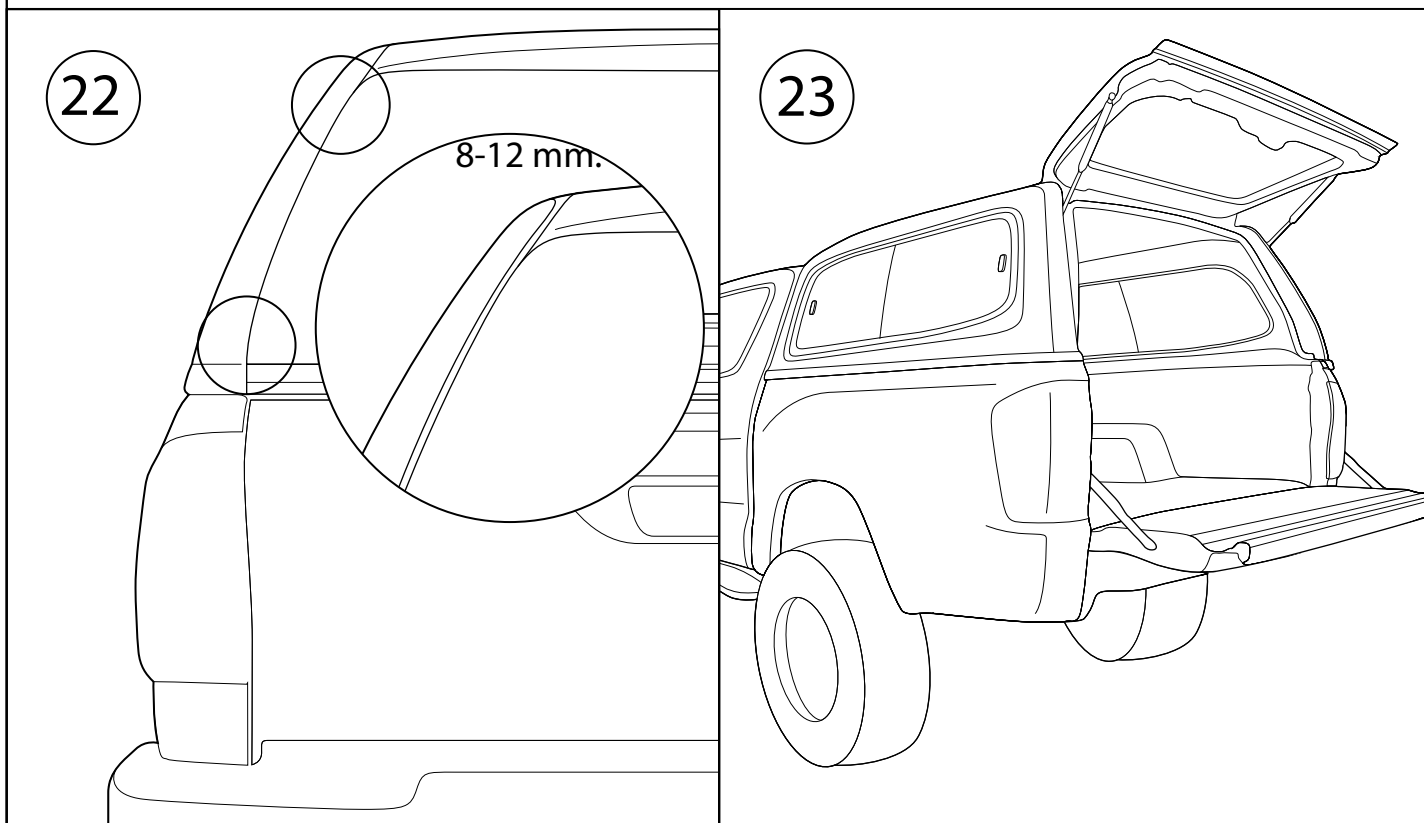
K5

D-Cab

C-Clamp mounting positions
onto vehicle (Right)



Close the rubber plug



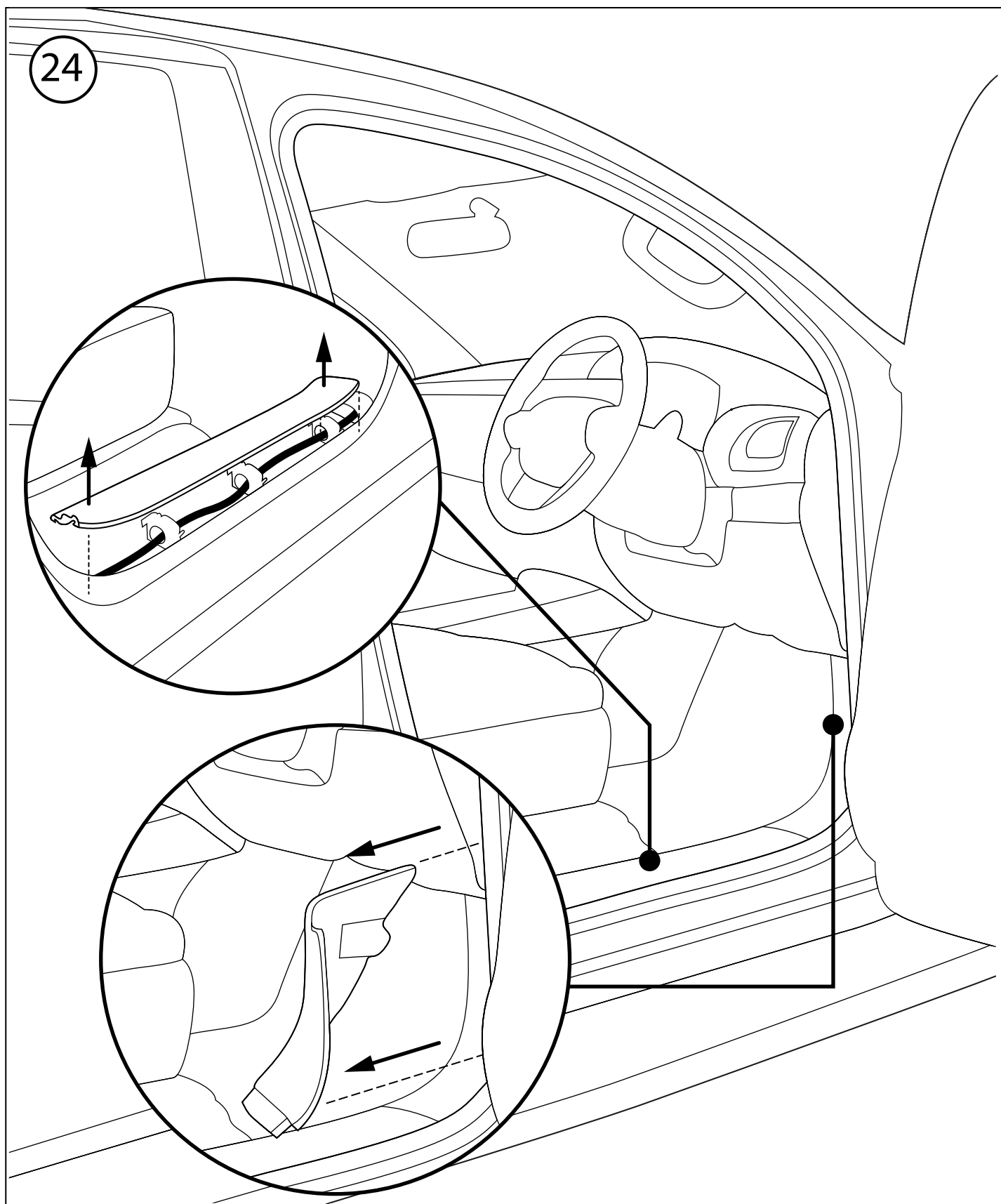
Measure the distance between backdoor and rear pillar, to have the 8-12 mm. in along the line.

The process of canopy installation is completed

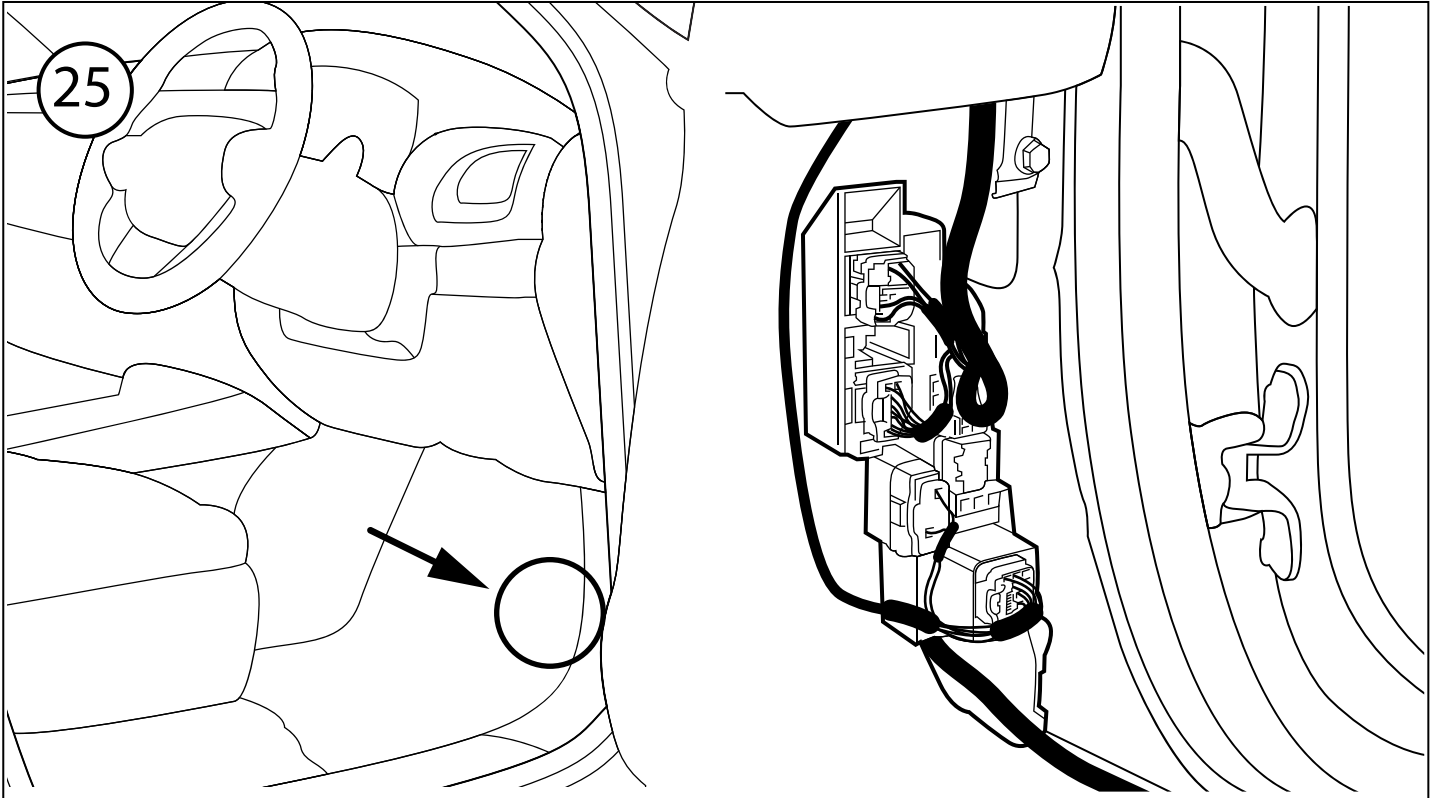


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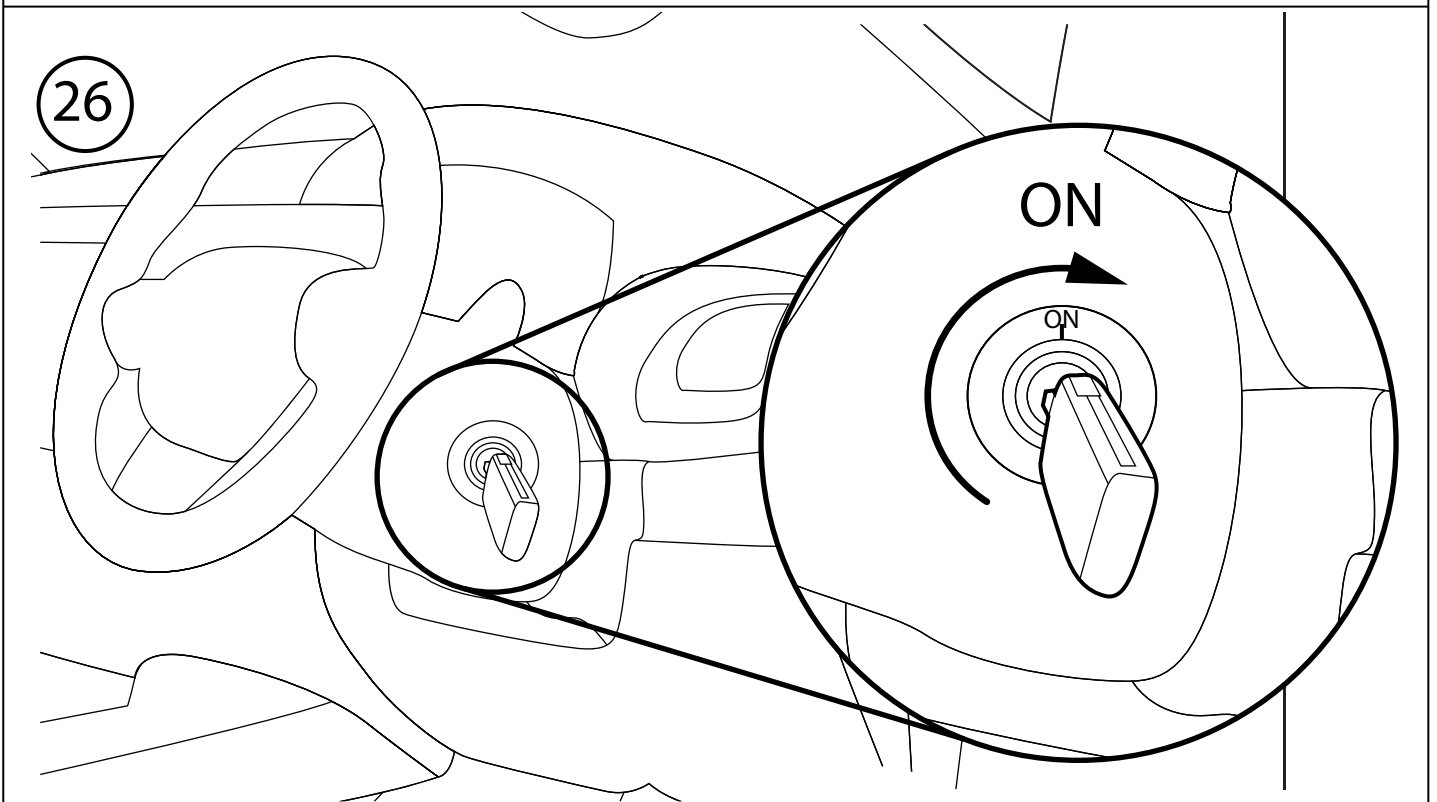
Electrical Installation Manual



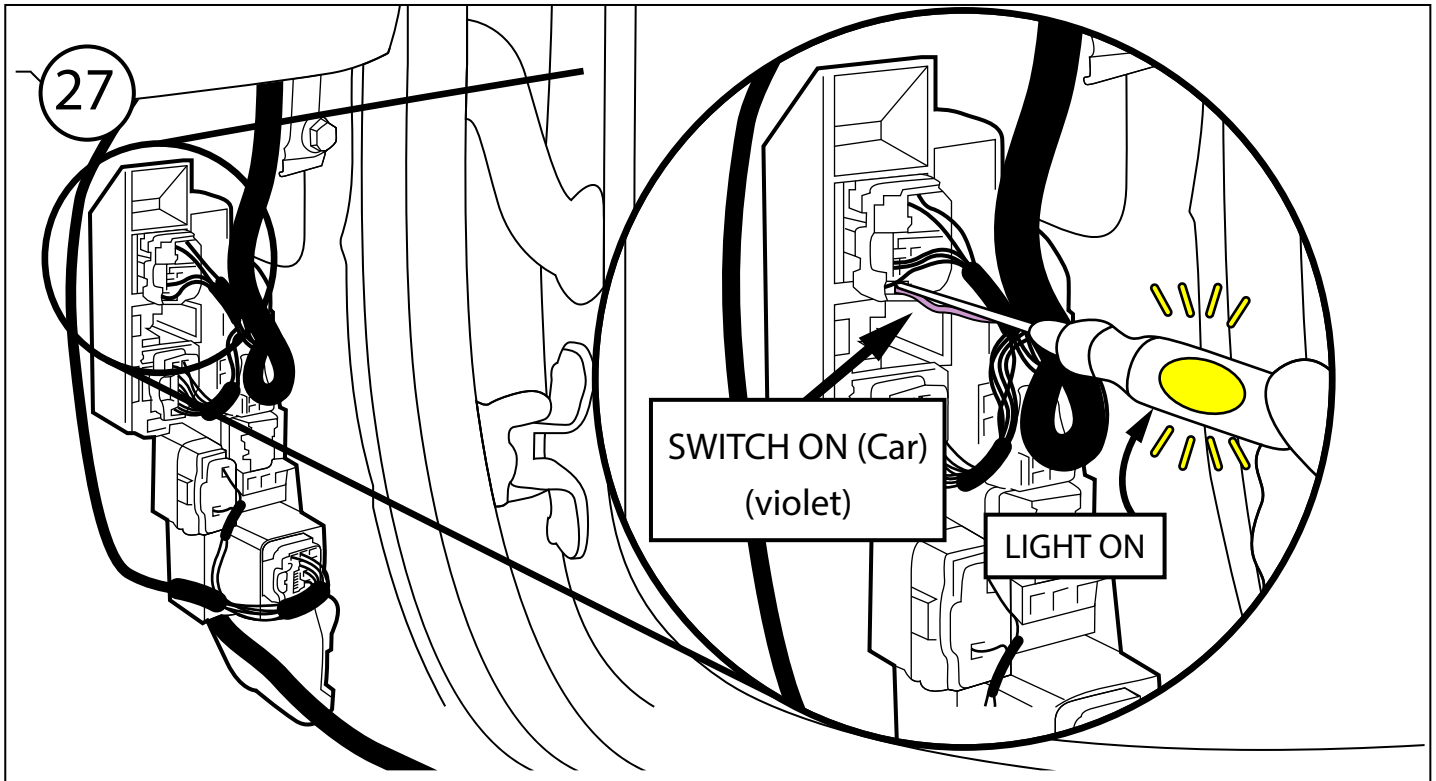
Take off the Wiring Cover at the driver side in order to check the wiring position.



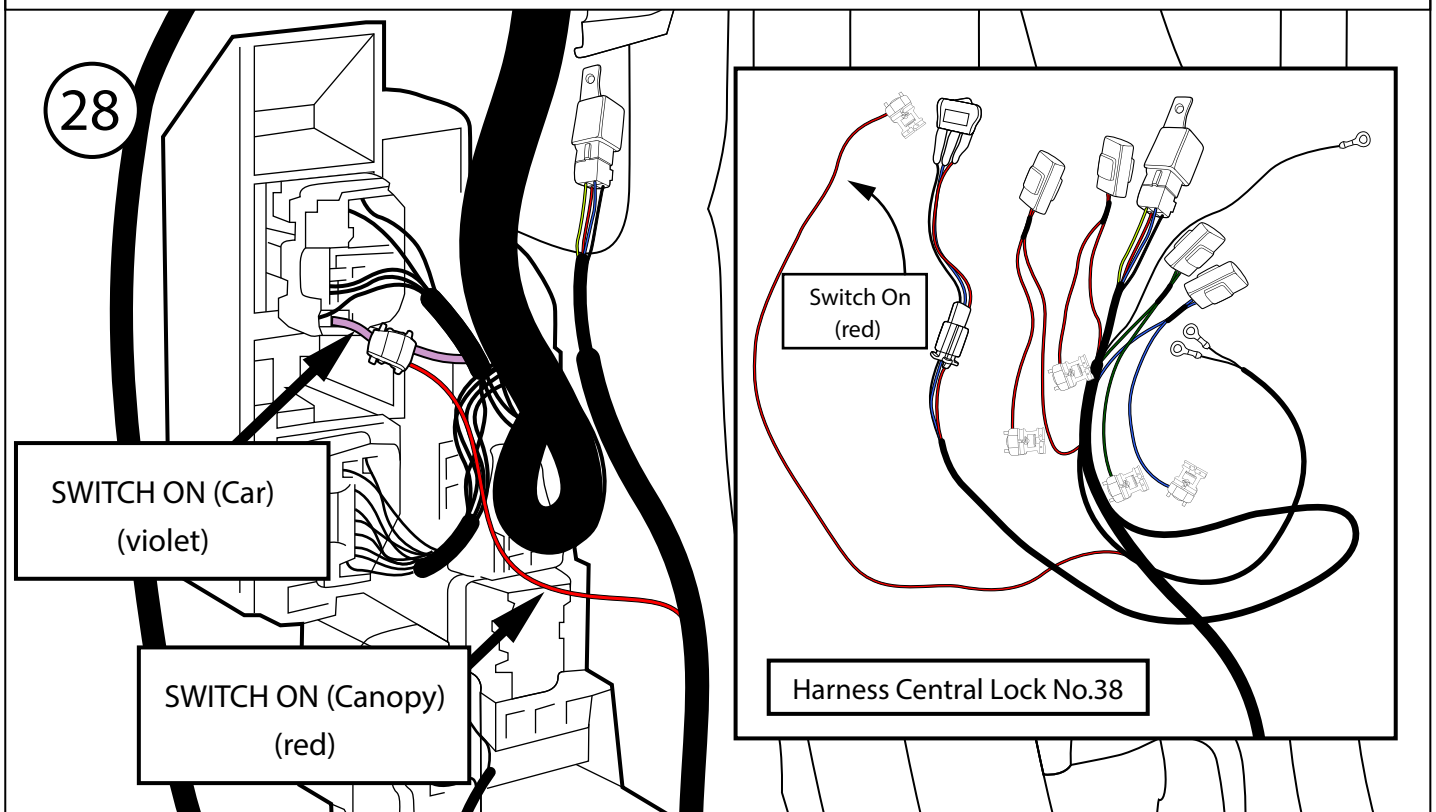
Control Box position that will connect with Harness Central Lock No.38



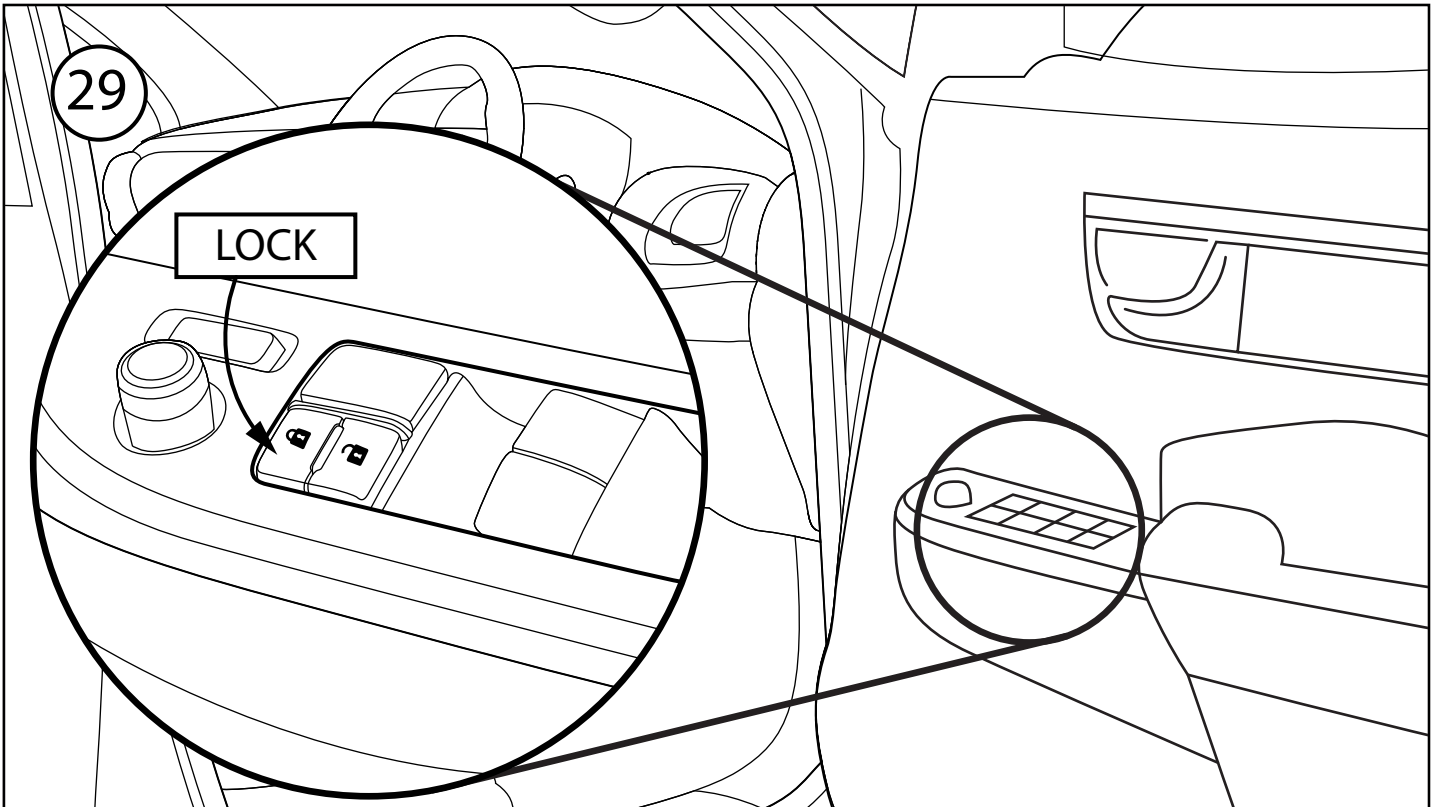
Step of checking Switch on position, begin with turning the key to ON position.



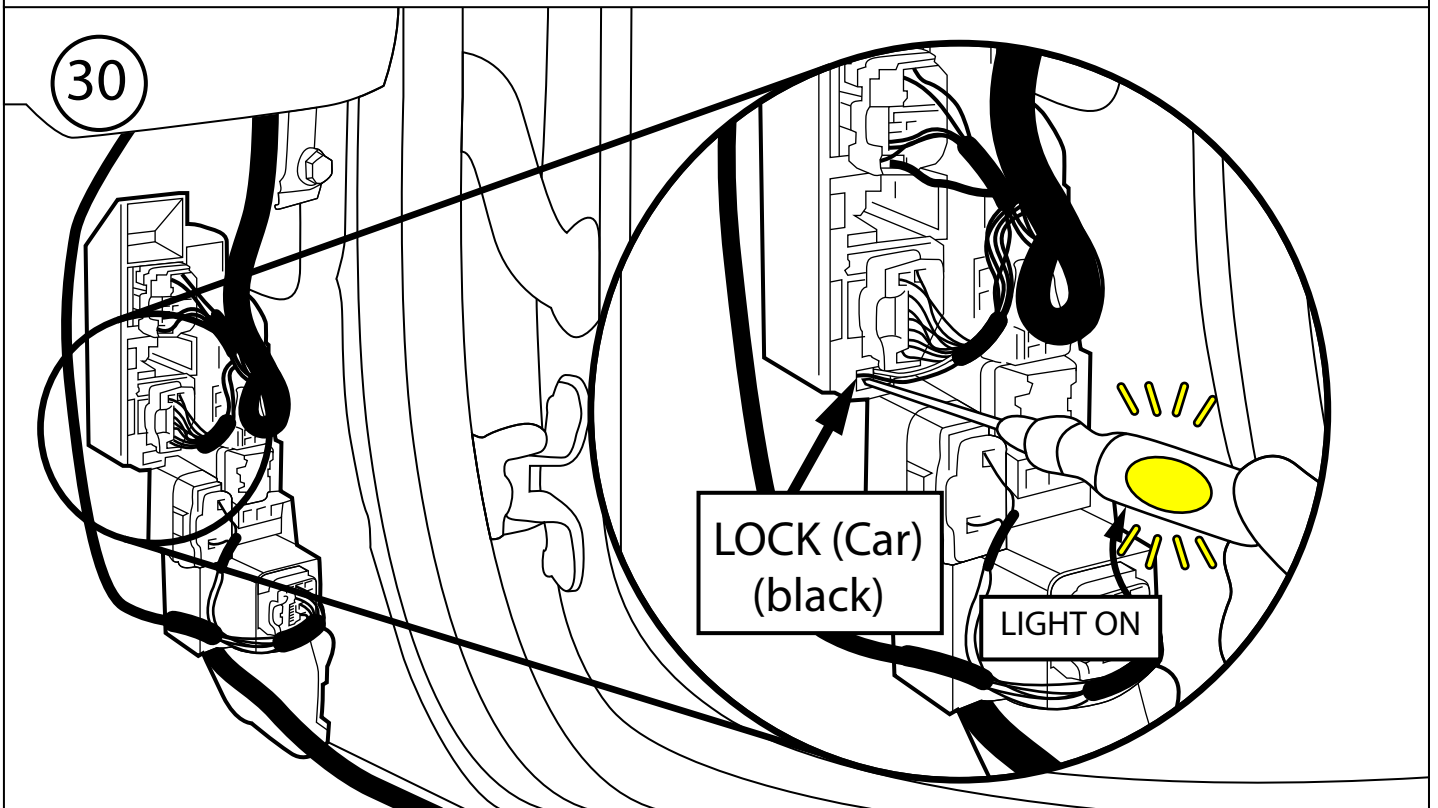
Checking the Switch On of vehicle position by using the Test Lamp kit.



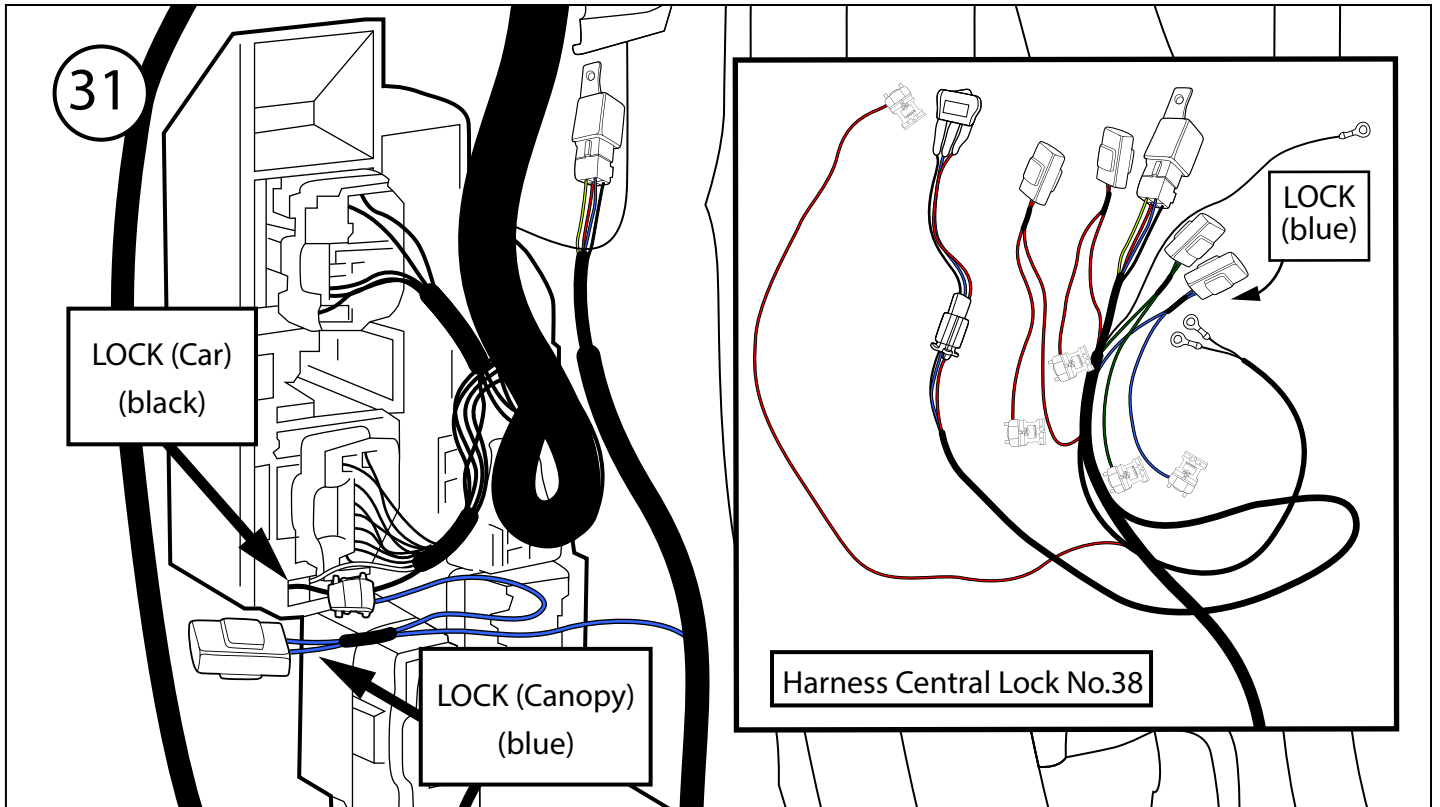
Connect the Harness Central Lock No.38 with the vehicle socket by bring the Red Wiring (Switch ON) of the Harness Central Lock No.38 connects with the purple wiring (Switch ON) of the vehicle wiring.



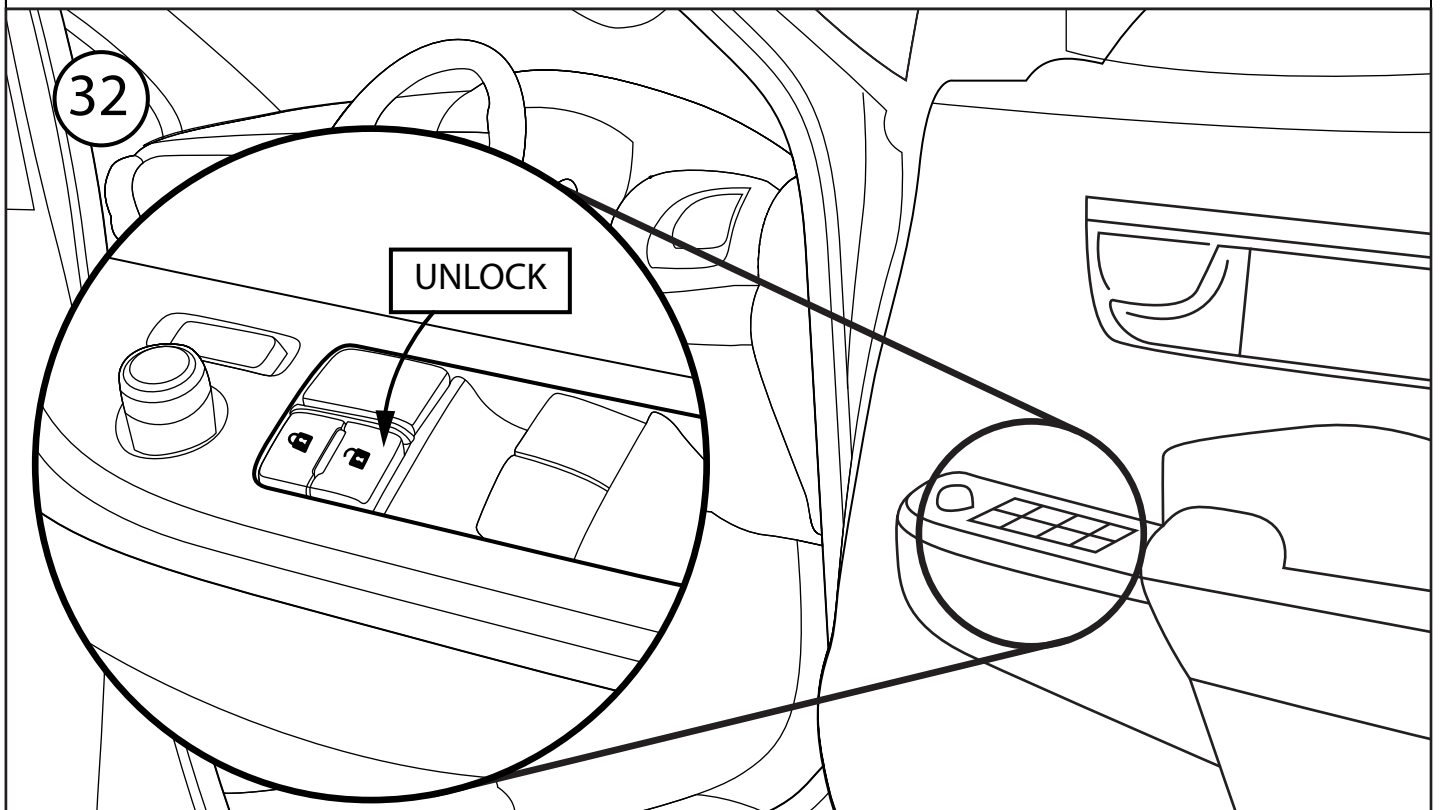
Step of Checking the light of the Central Lock (Lock), begin with push the Lock button at the door panel.



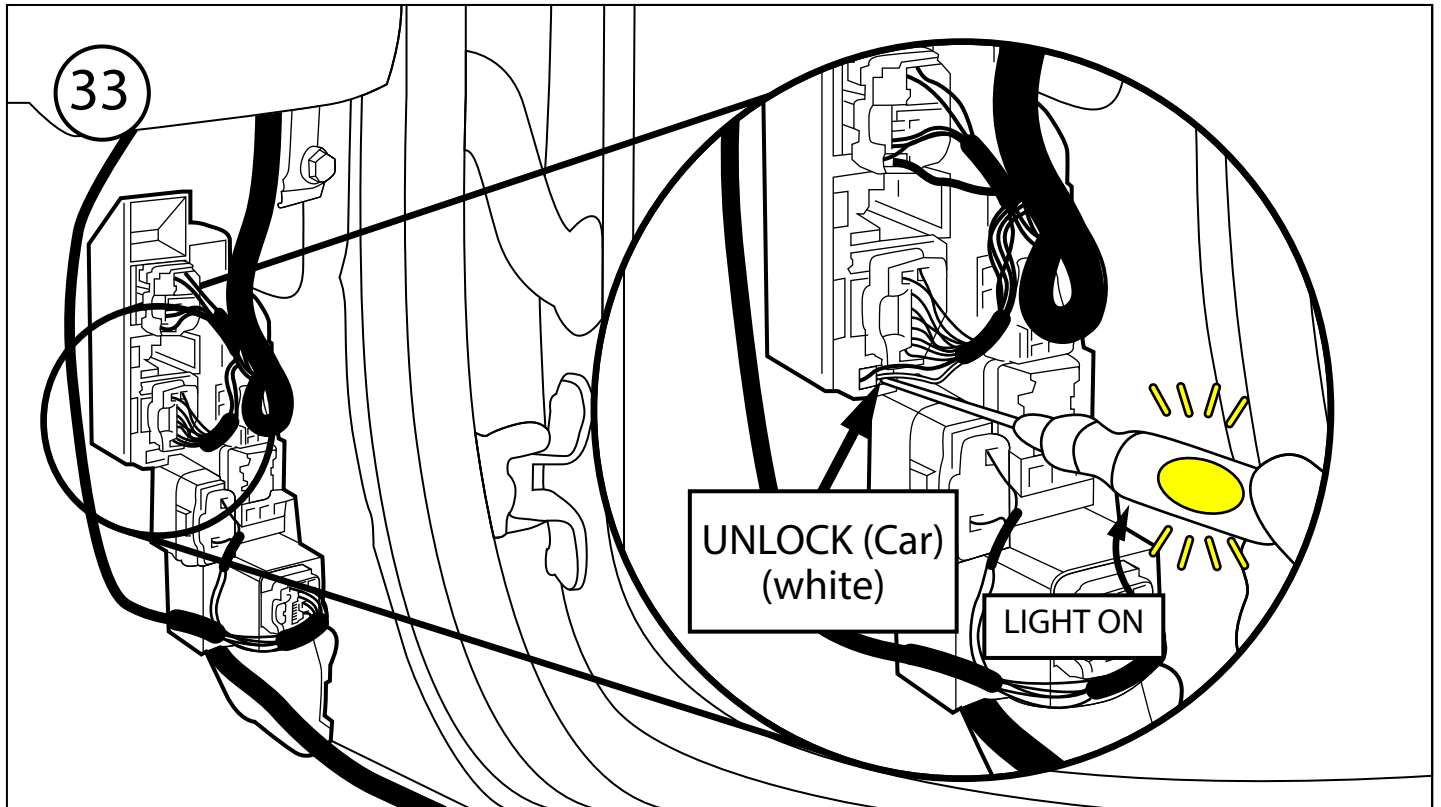
Checking the light of the Central Lock (Lock) of vehicle position by using the Test Lamp kit.



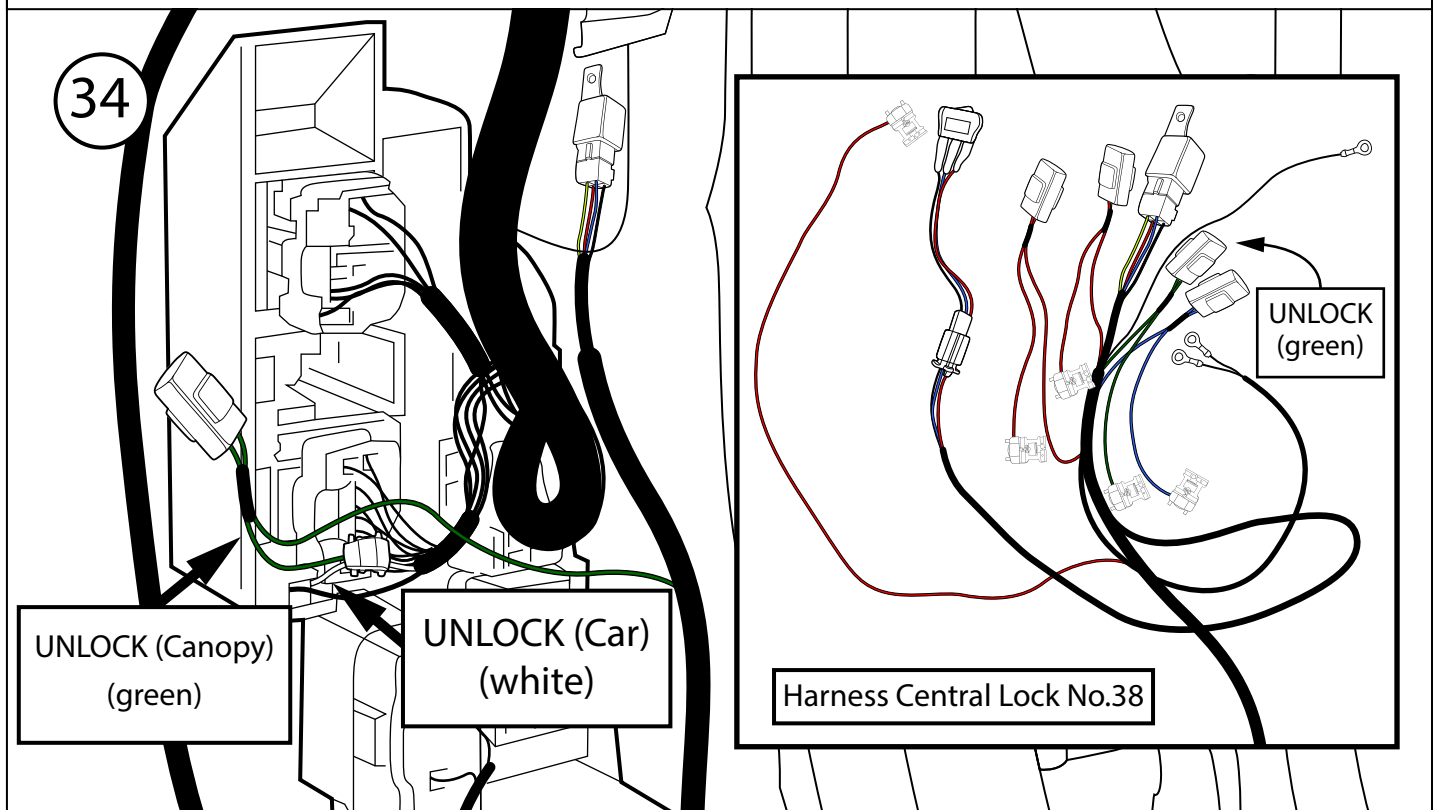
Connects the Blue Wiring (Central Lock/Lock Switch) of the Harness Central Lock No.38 with the Black wiring (BK) of the vehicle (Lock Signal)



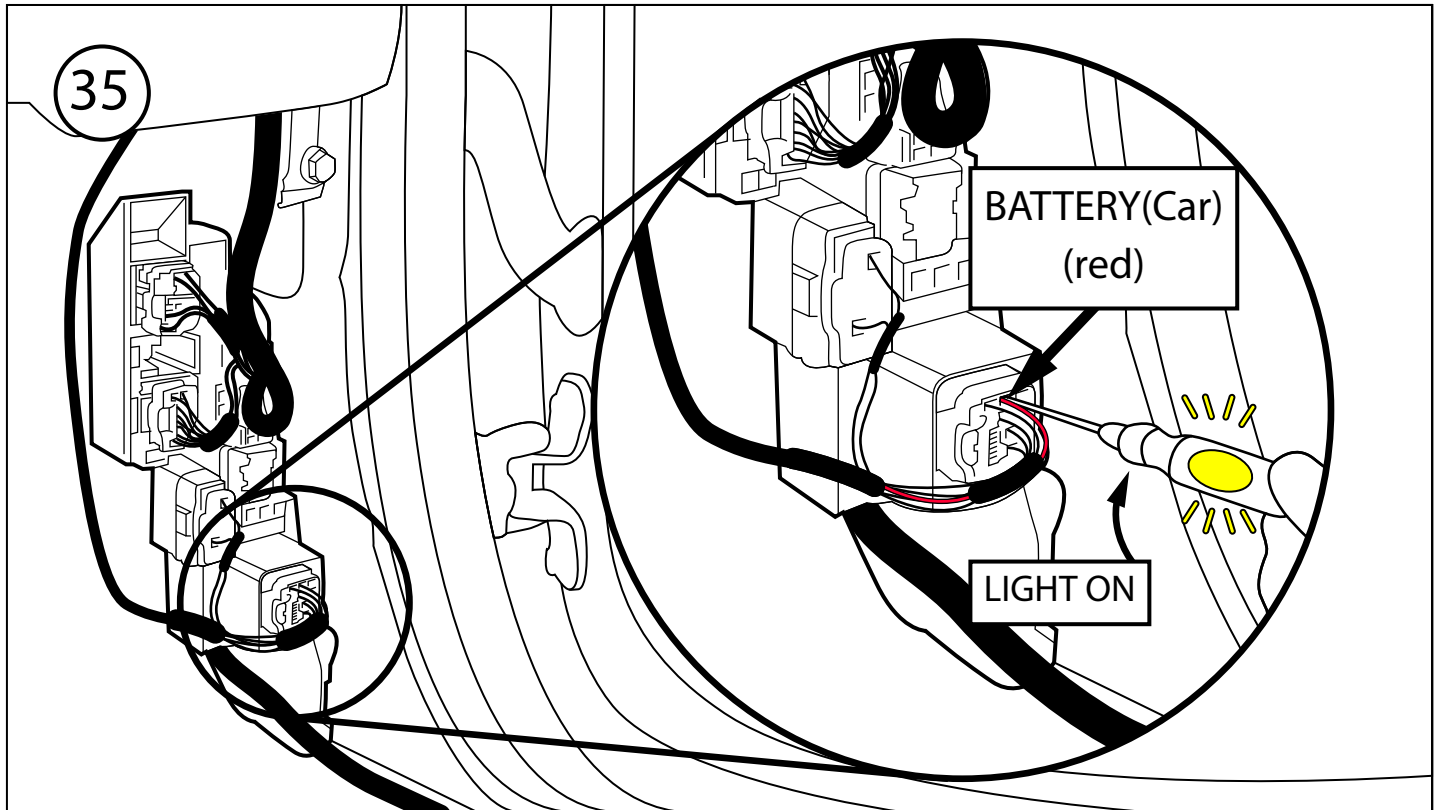
Step of Checking the light of the Central Lock (UnLock), begin with push the UnLock button at the door panel.



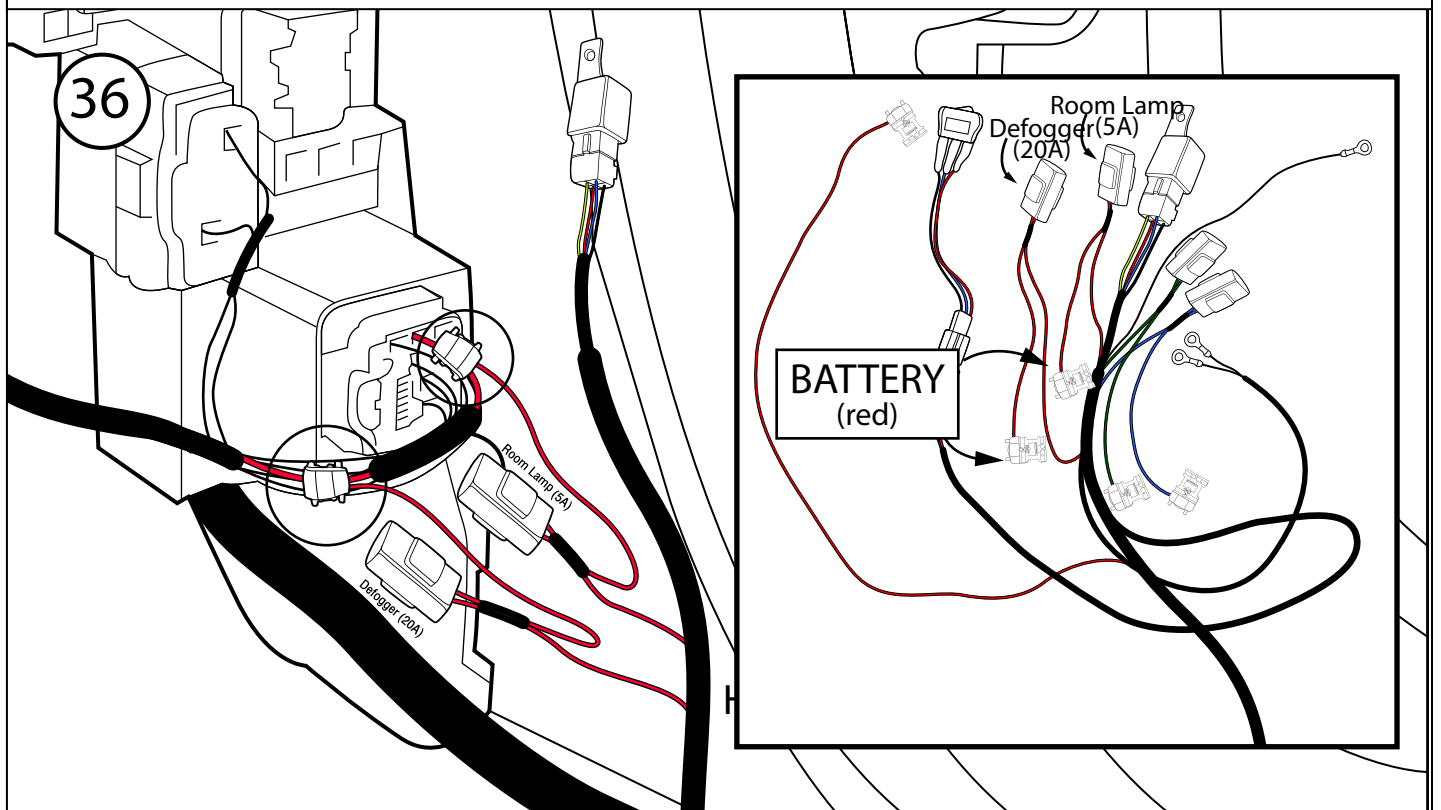
Checking the light of the Central Lock (Lock) of vehicle position by using the Test Lamp kit.



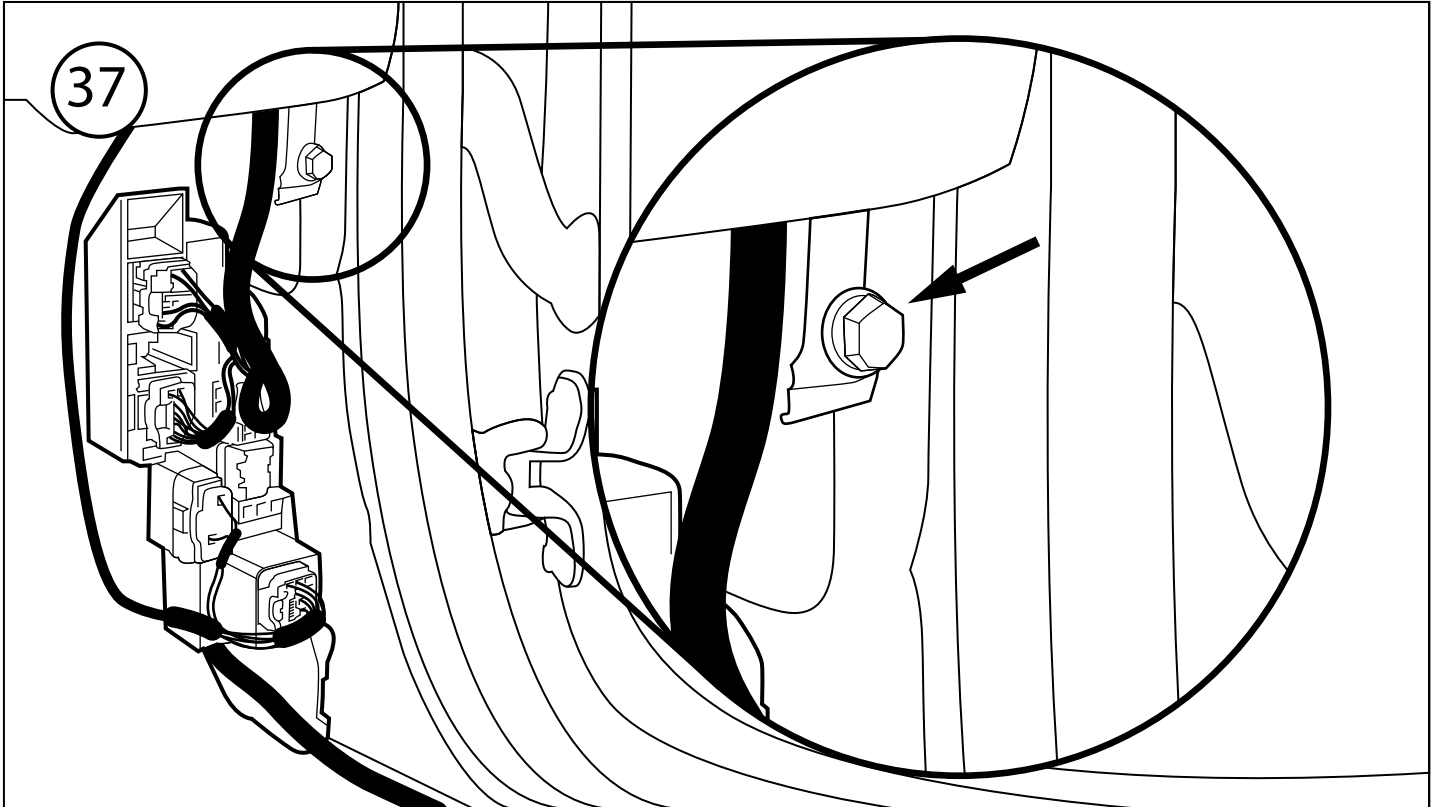
Connects the Green Wiring (Central Lock/Unlock Switch) of the Harness Central Lock No.38 with the White Wiring (WH) of the vehicle (Unlock Signal).



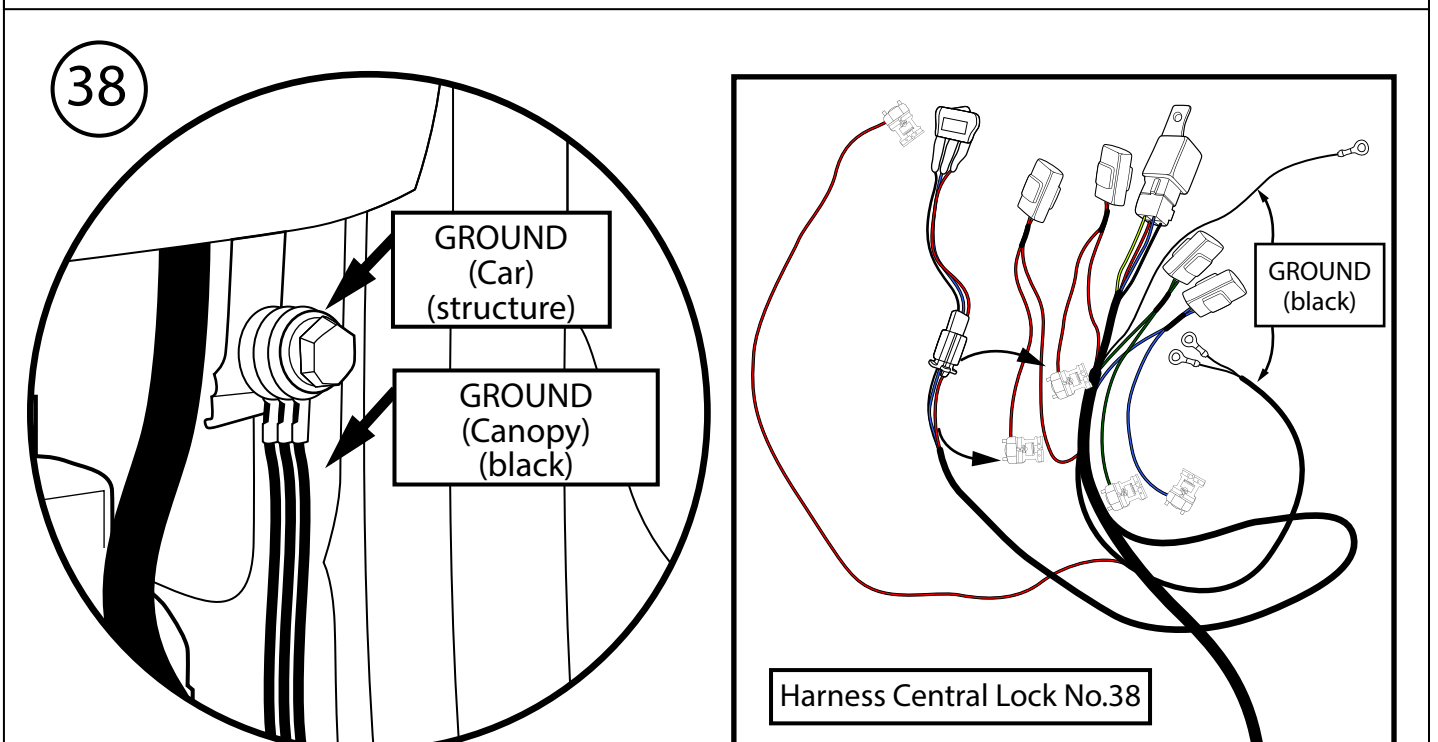
Checking the Battery (12V) light of the vehicle position by using the Test Lamp kit.



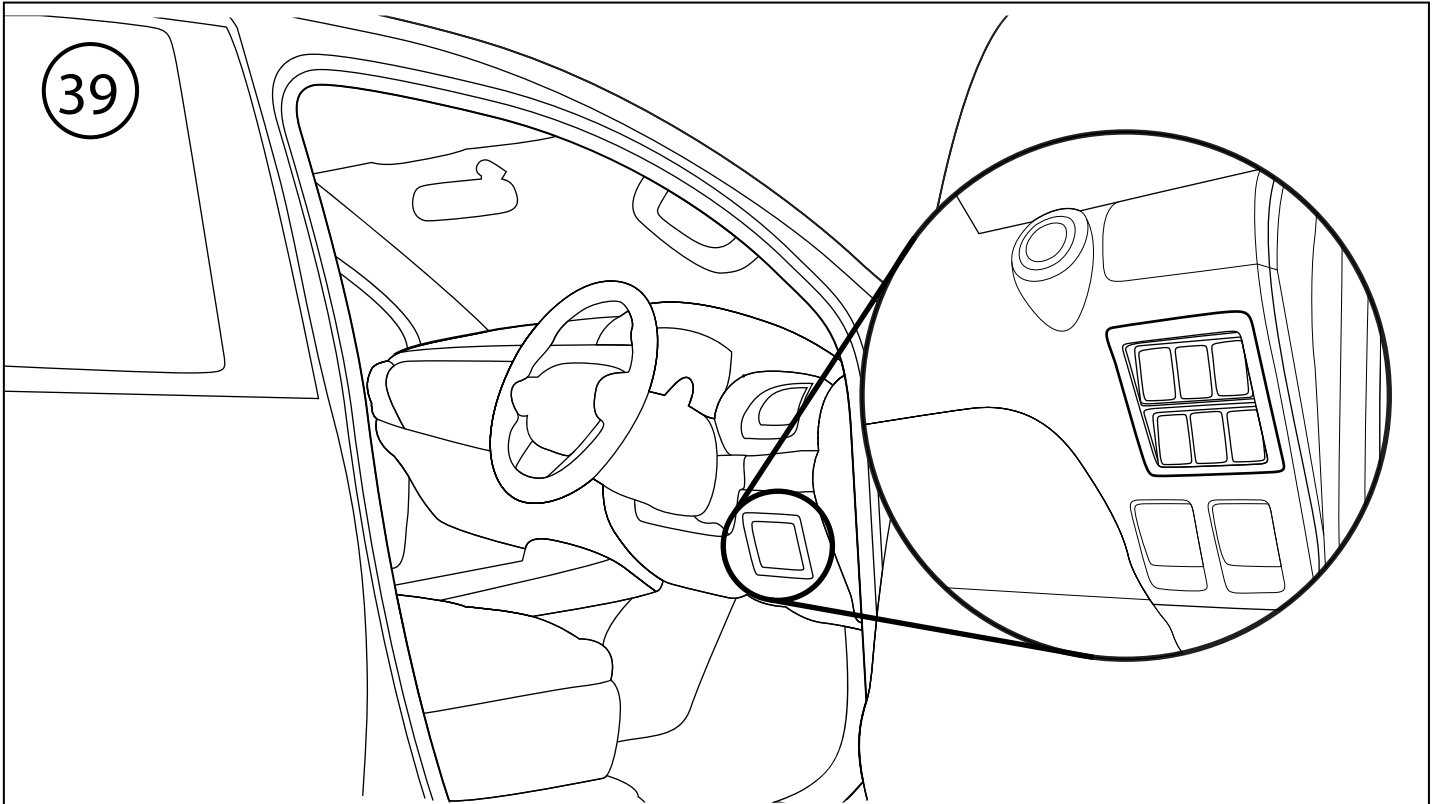
Connects the Red Wiring Defogger (20A) and Red Wiring Room Lamp (5A) of the Harness Central Lock No.38 with the Red Wiring Battery (12V) of the vehicle as shown in picture.



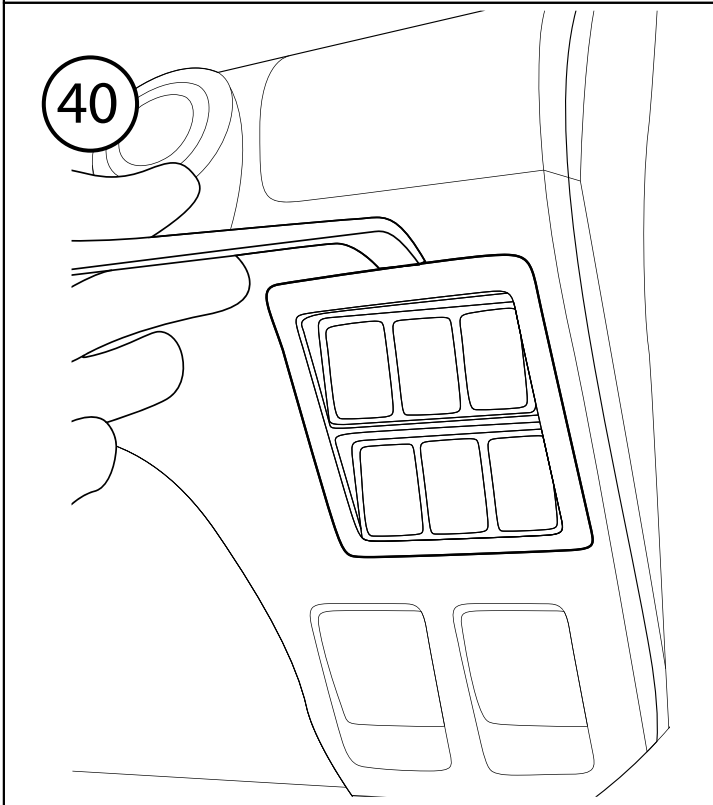
Connecting the Black Wiring (Ground) at the vehicle structure position of the Harness Central Lock No.38.



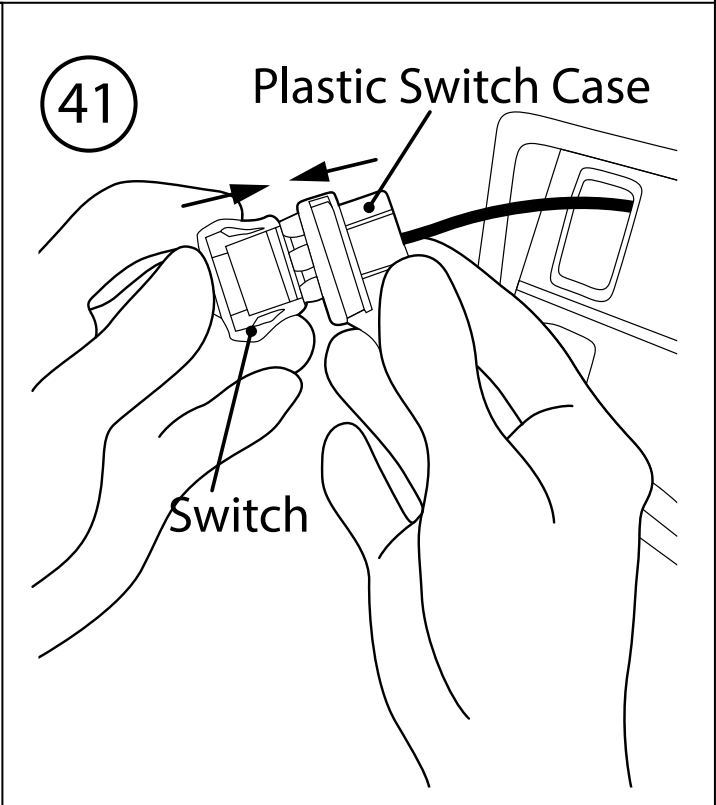
Connects the Black Wiring (GROUND) of the Harness Central Lock No.38 with the vehicle structure, tighten the screws properly.



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



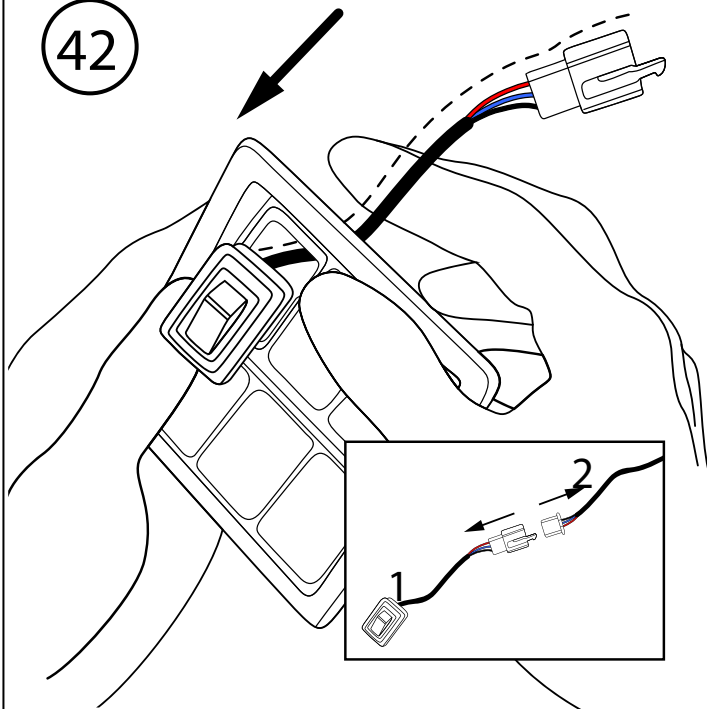
Take off the vehicle switch cover by using plastic tools.



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

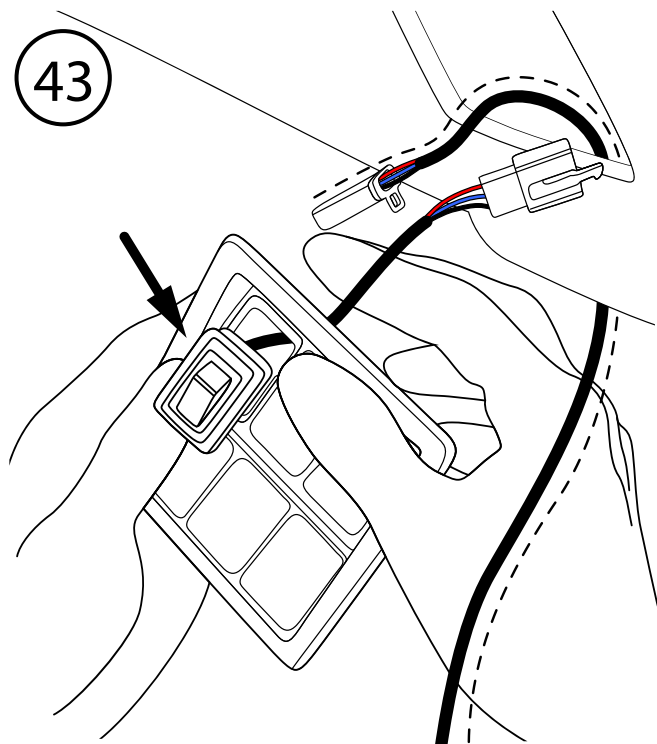


42



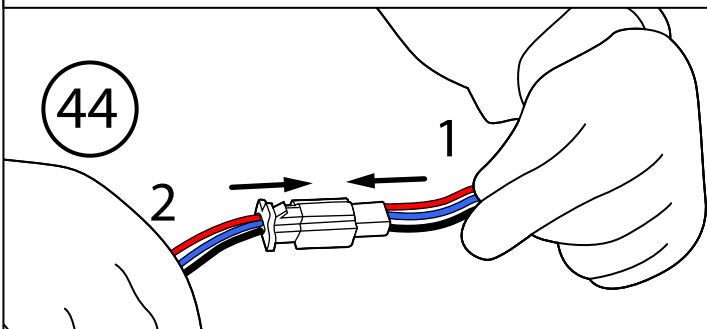
Running the Switch Wiring of the Harness Central Lock No.38 through the Switch Cover pipe of the vehicle.

43



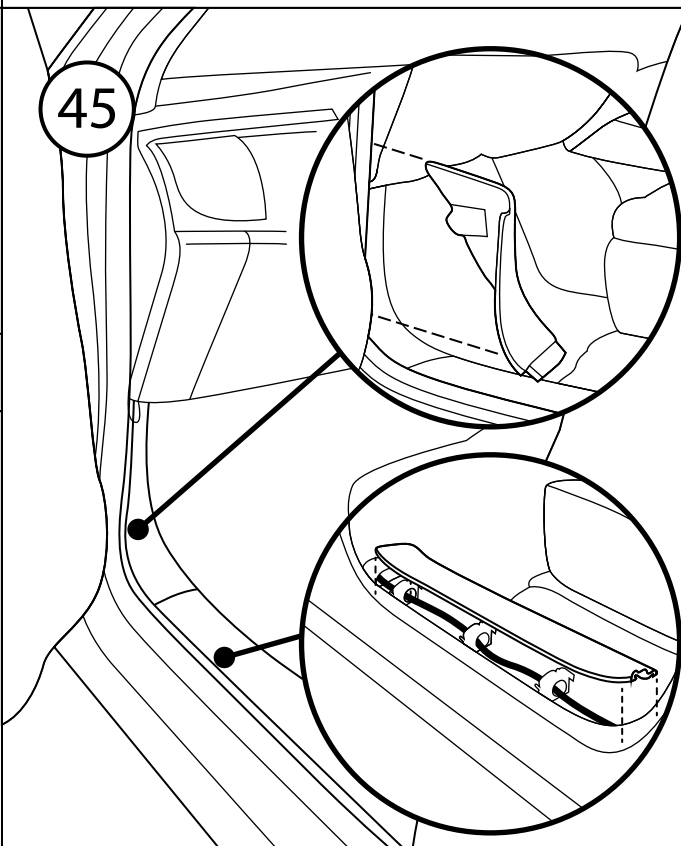
After finish the installation step no.42 then run the 2 wiring via the switch cover pipe under the console.

44



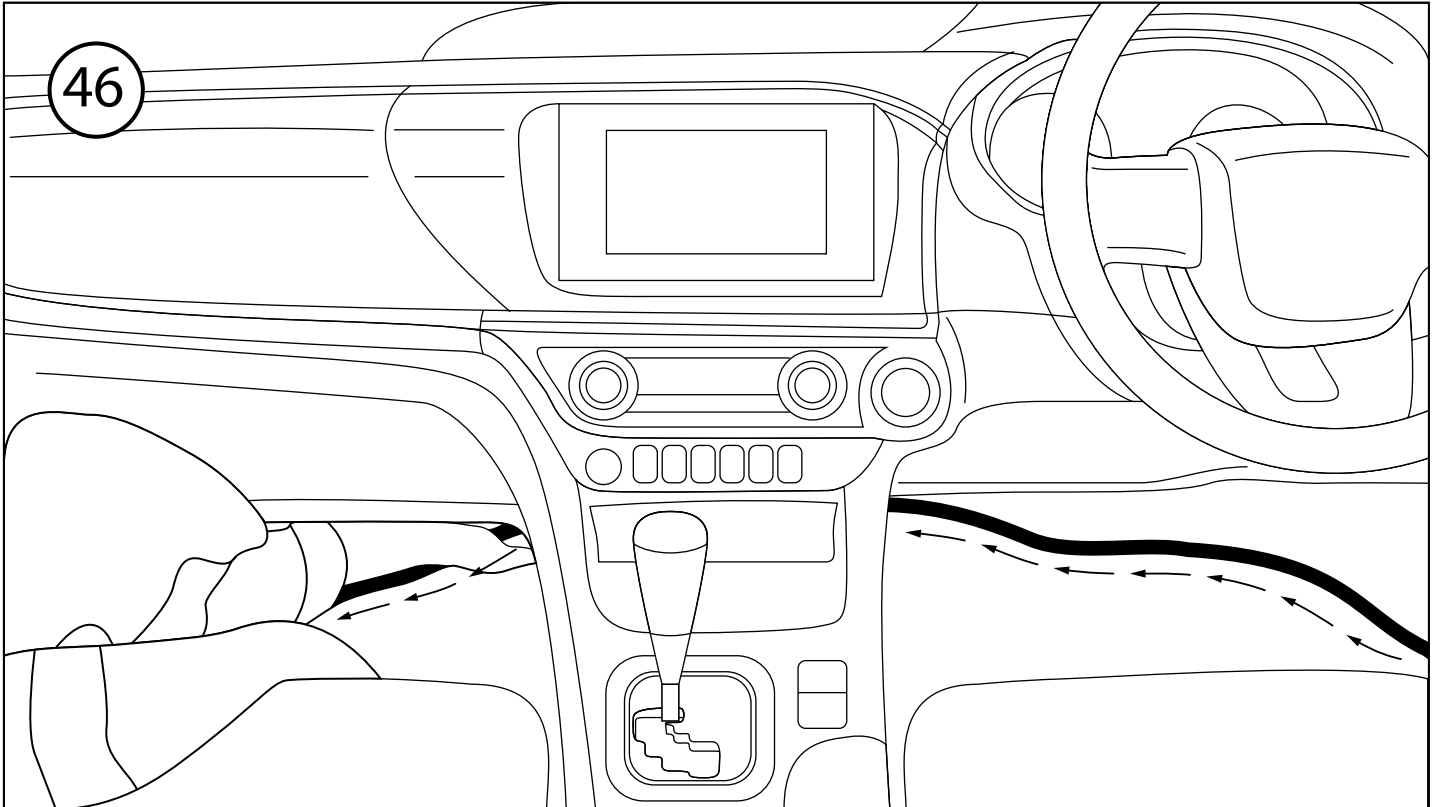
Connects between the 1 wiring and the 2 wiring.

45

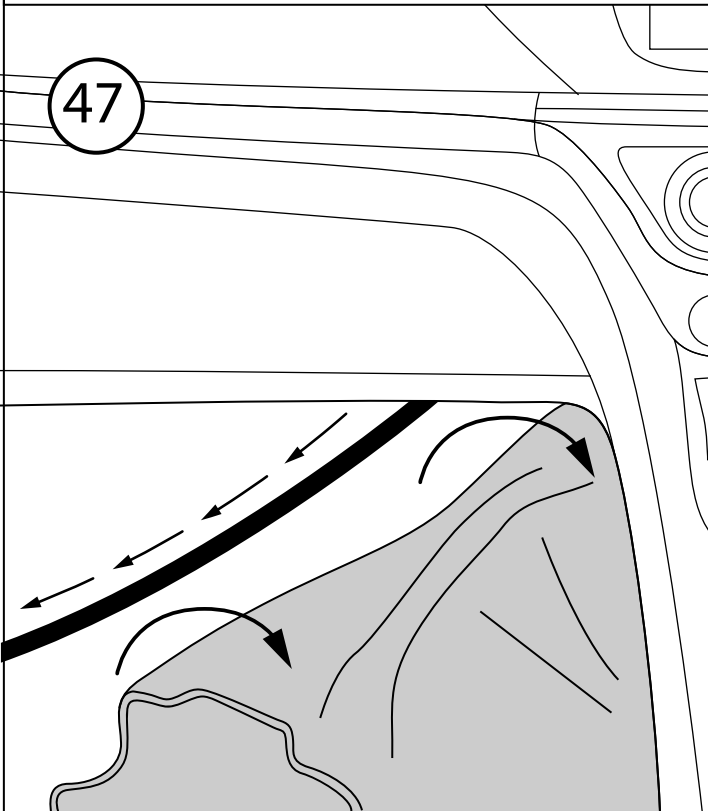


Close the cover. After that, check the working process by turn on and push the switch. The light must be on.

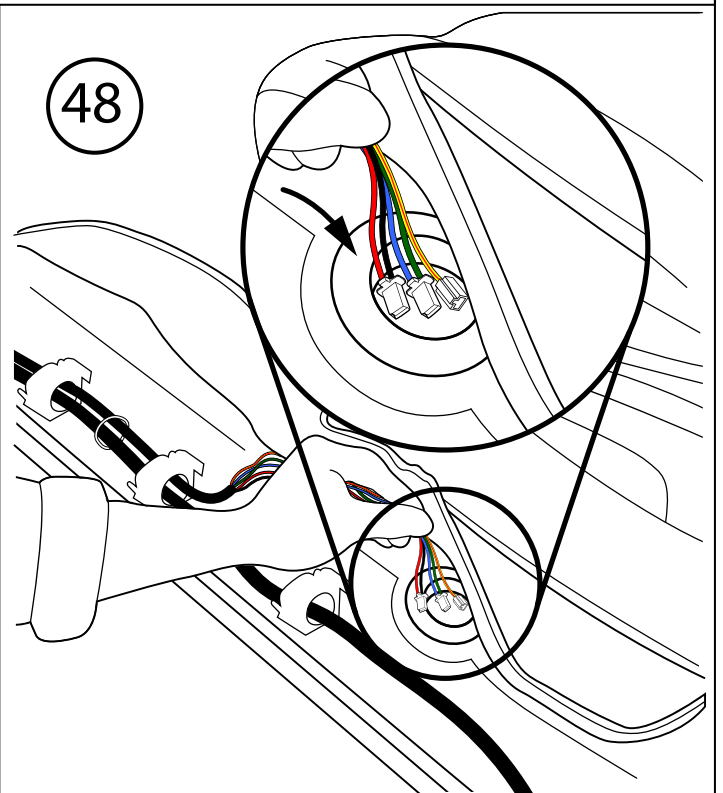
Take off the vehicle wiring cover of the passenger side in order to run the wiring from the driver side through the passenger side.



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



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



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



49 The Step of wiring running diagram

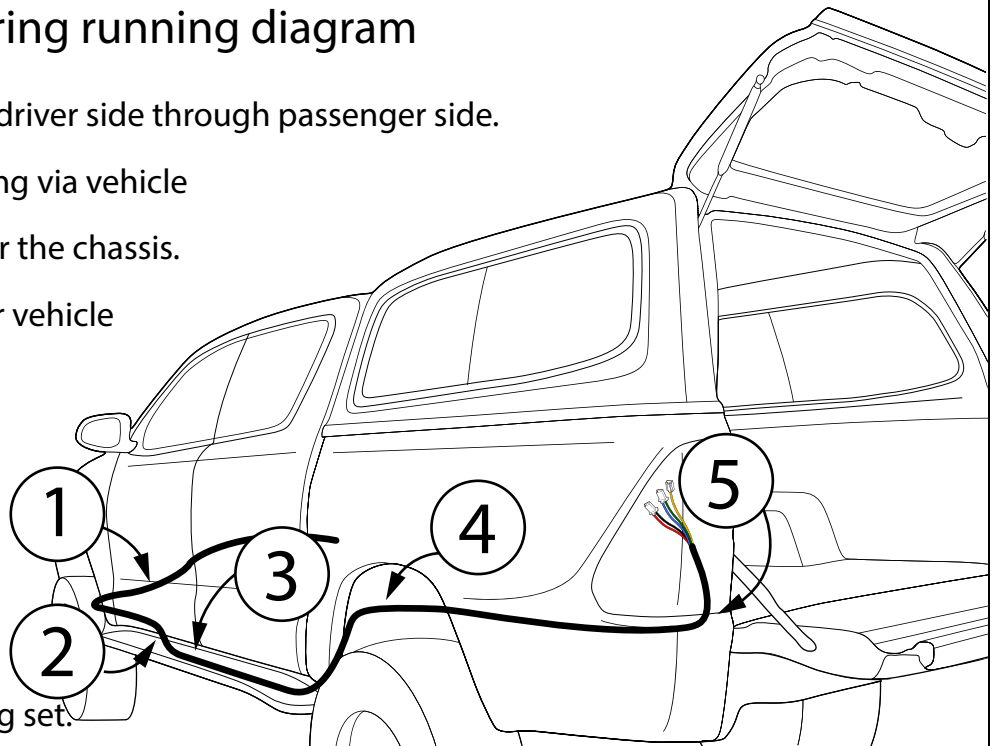
Point 1 Wiring running from driver side through passenger side.

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

Point 3 Wiring that run under vehicle along the chassis.

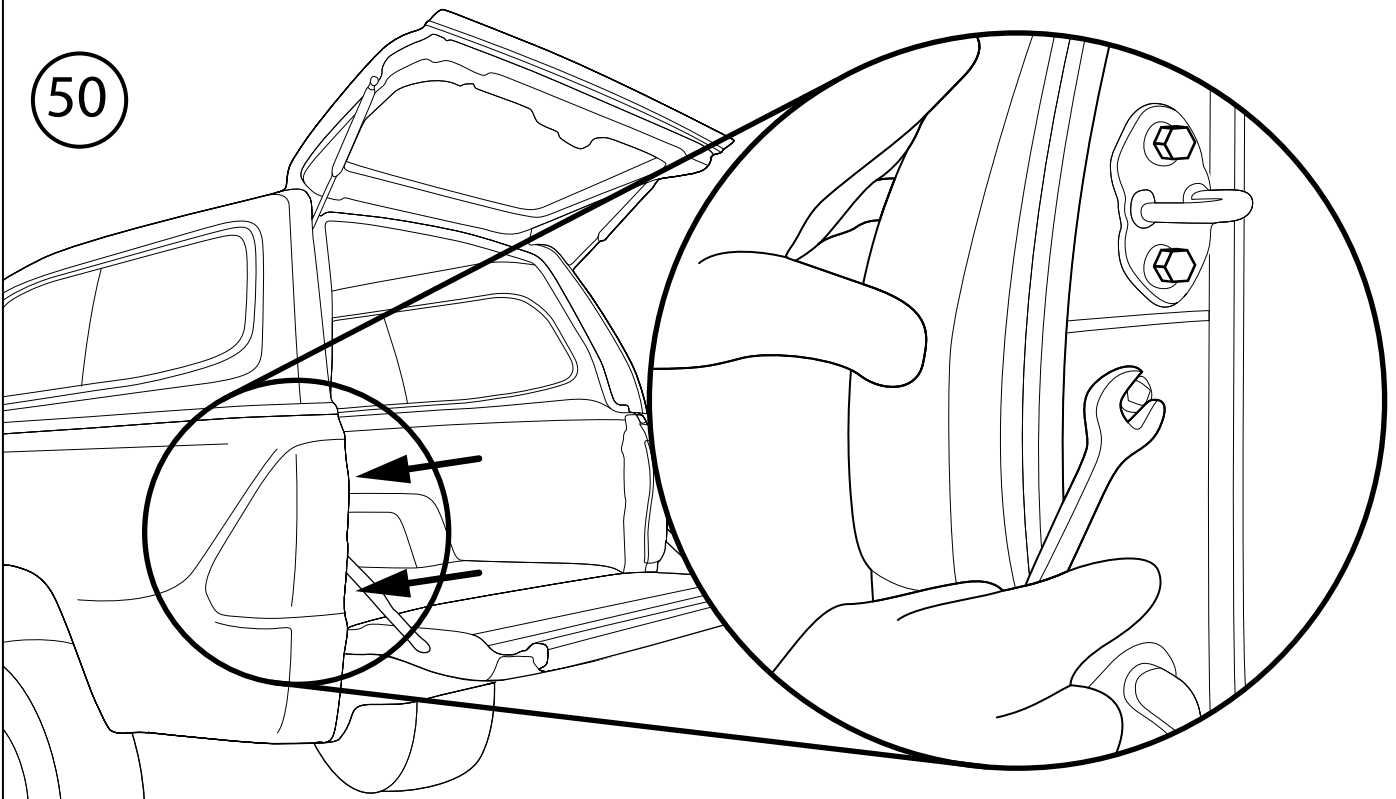
Point 4 Wiring that run via chassis at the fender area.

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

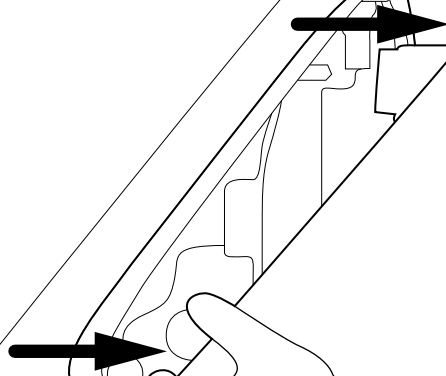
50



Take off the Rear Light vehicle.



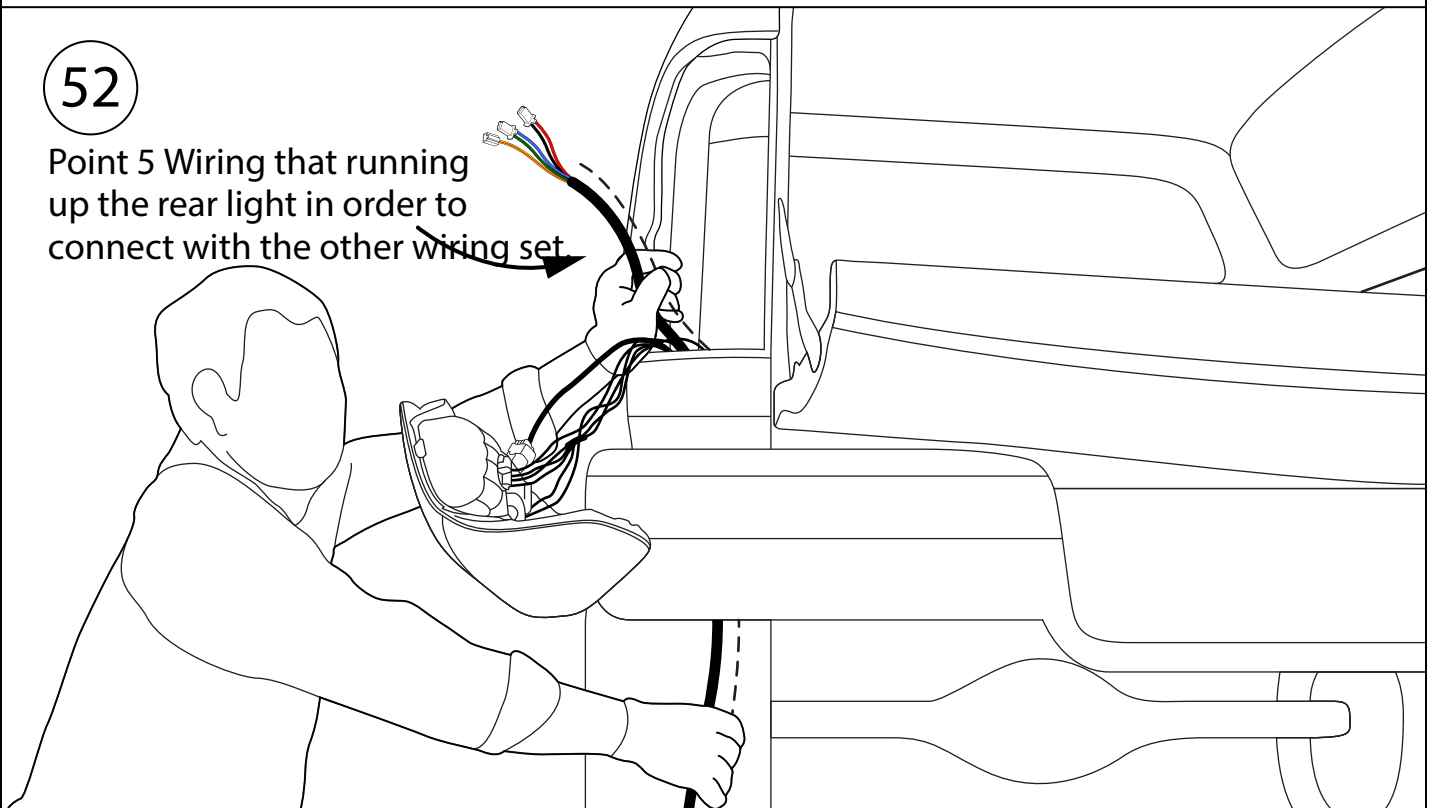
51



Take off the Rear Light vehicle.

52

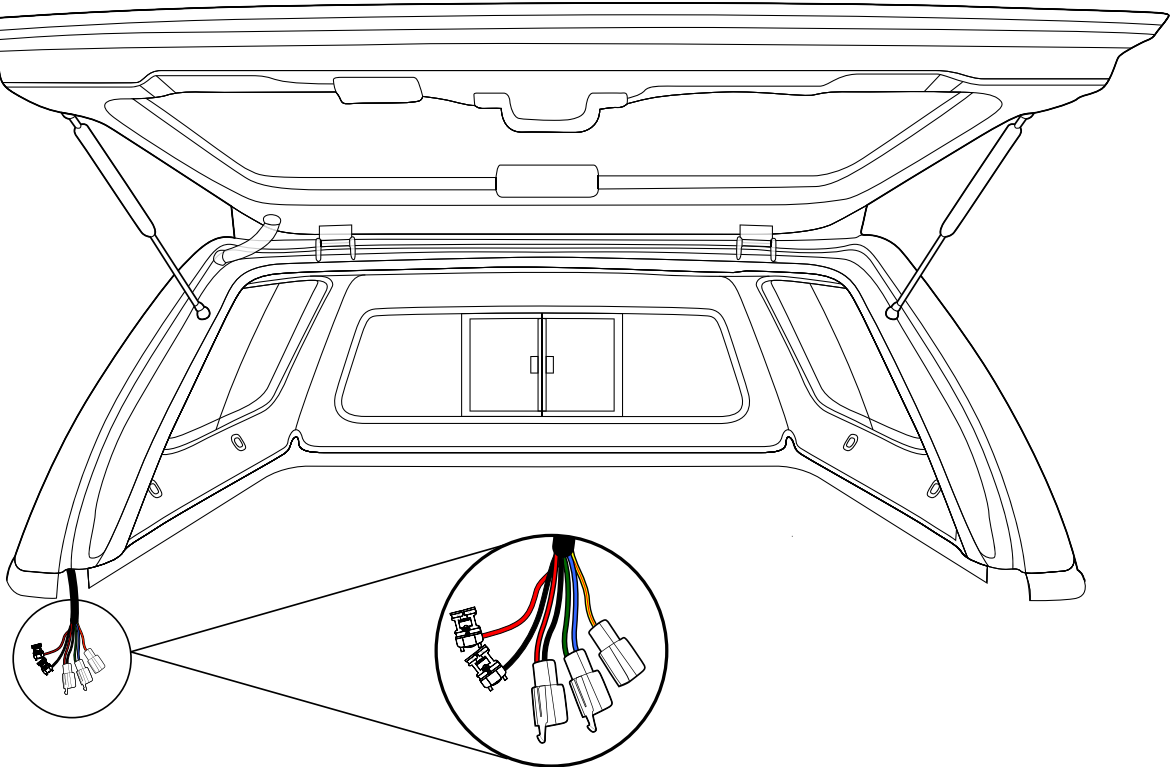
Point 5 Wiring that running up the rear light in order to connect with the other wiring set



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

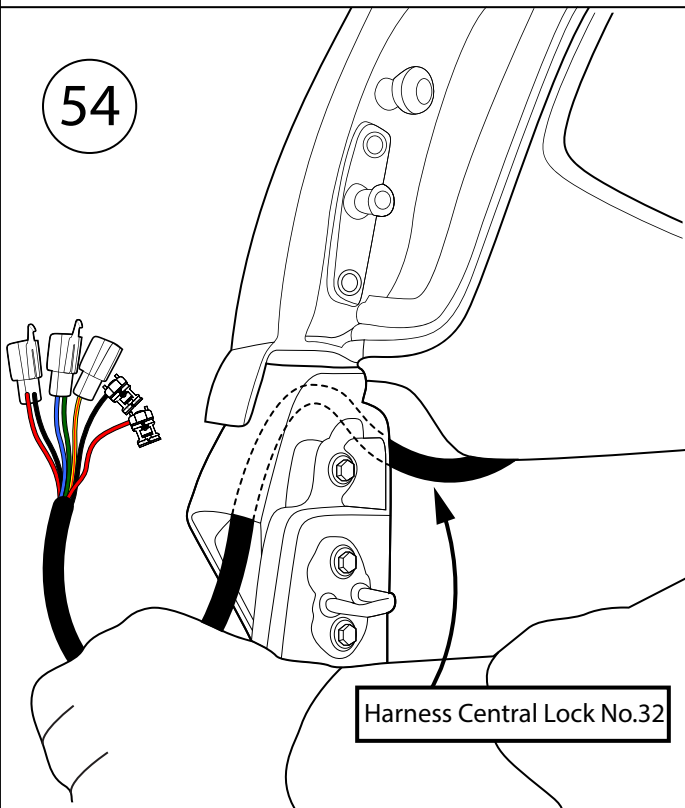


53



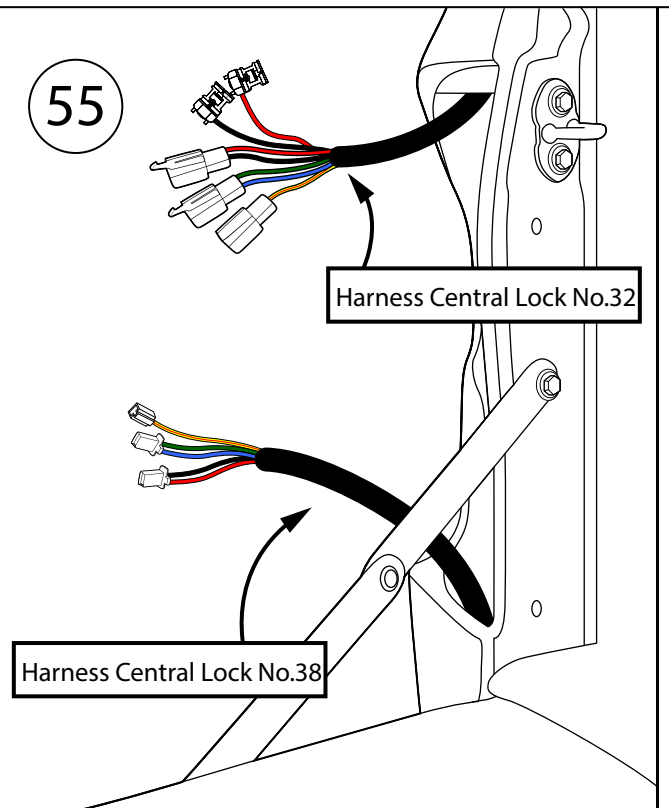
Central lock wire position No.32

54



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

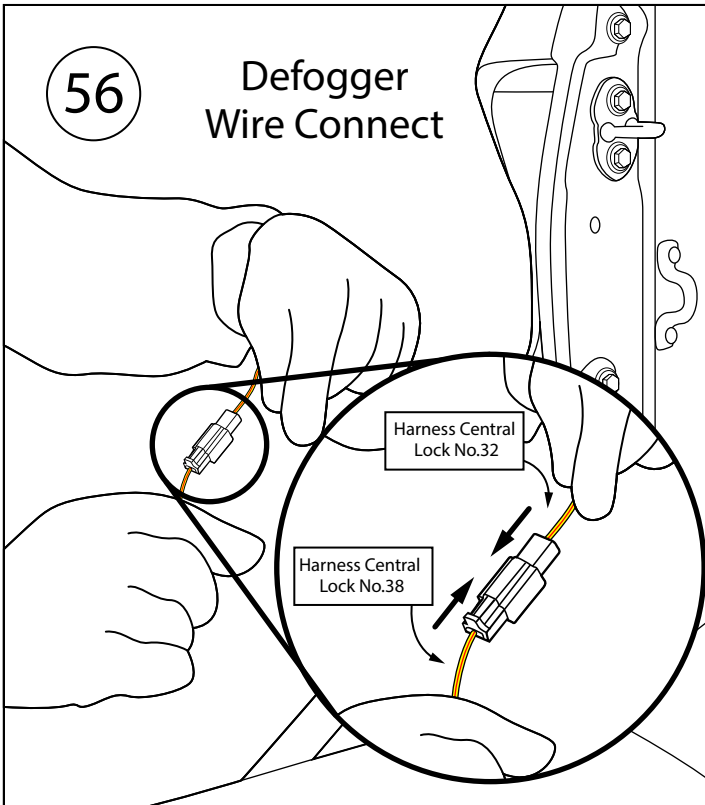
55



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

56

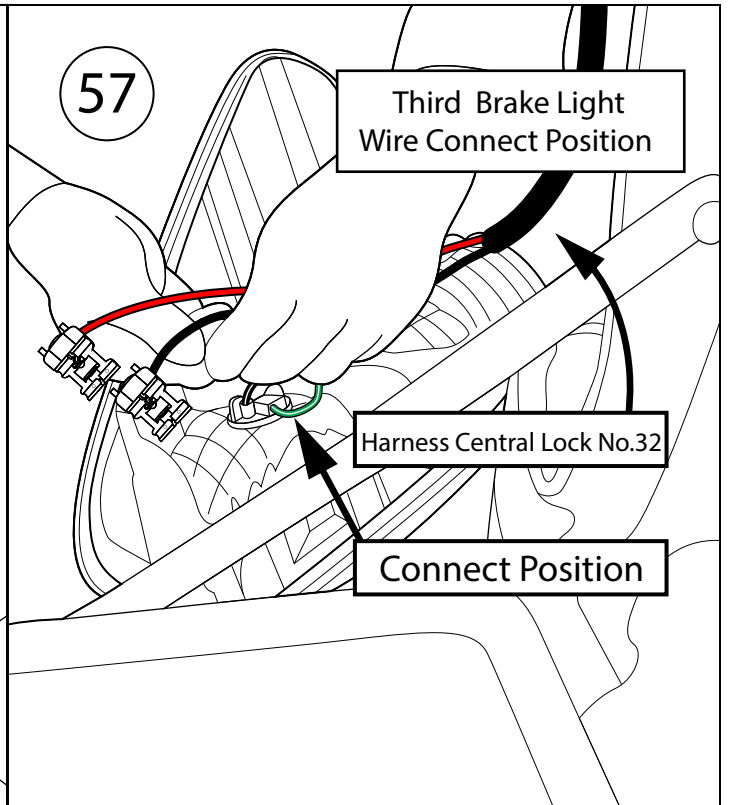
Defogger Wire Connect



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

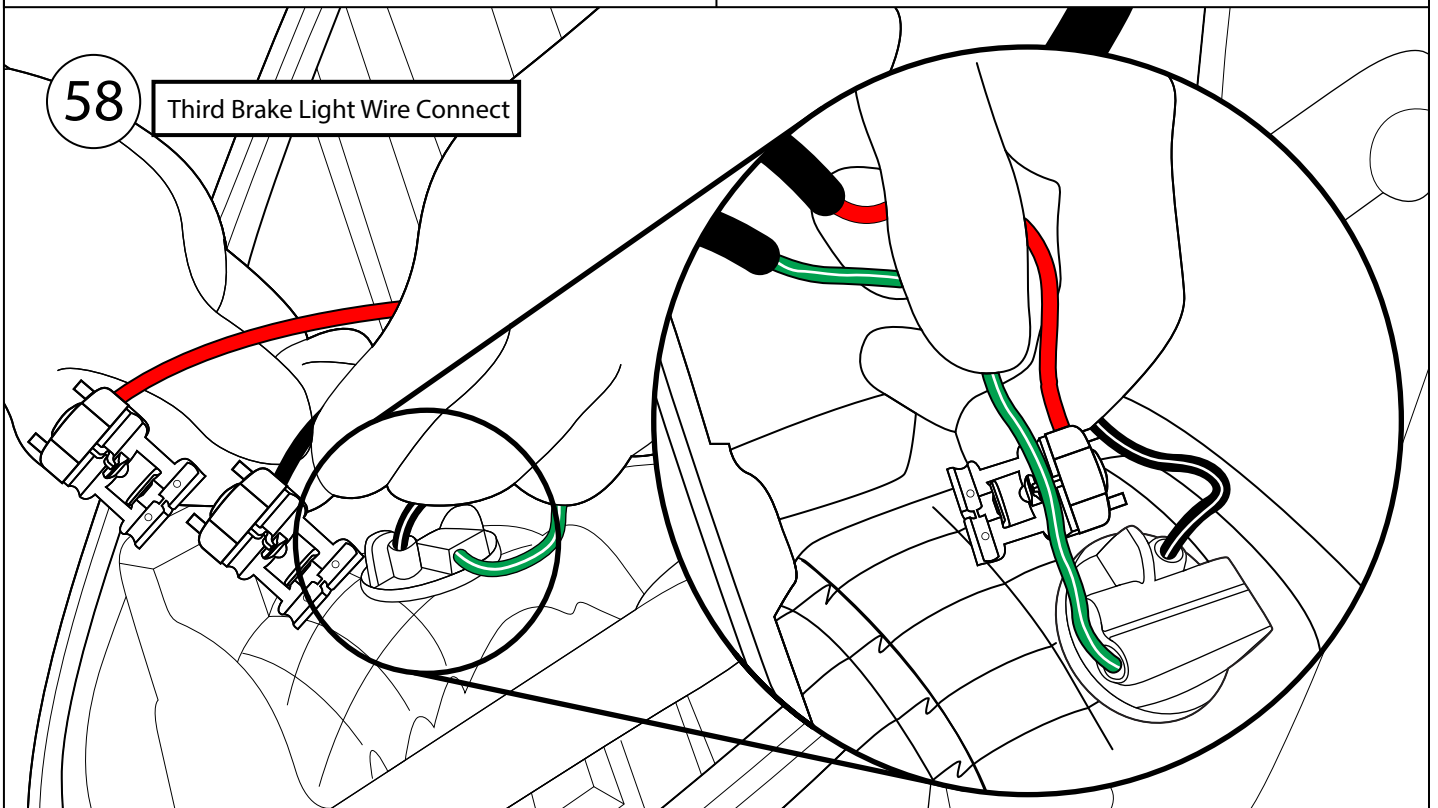
Third Brake Light Wire Connect Position



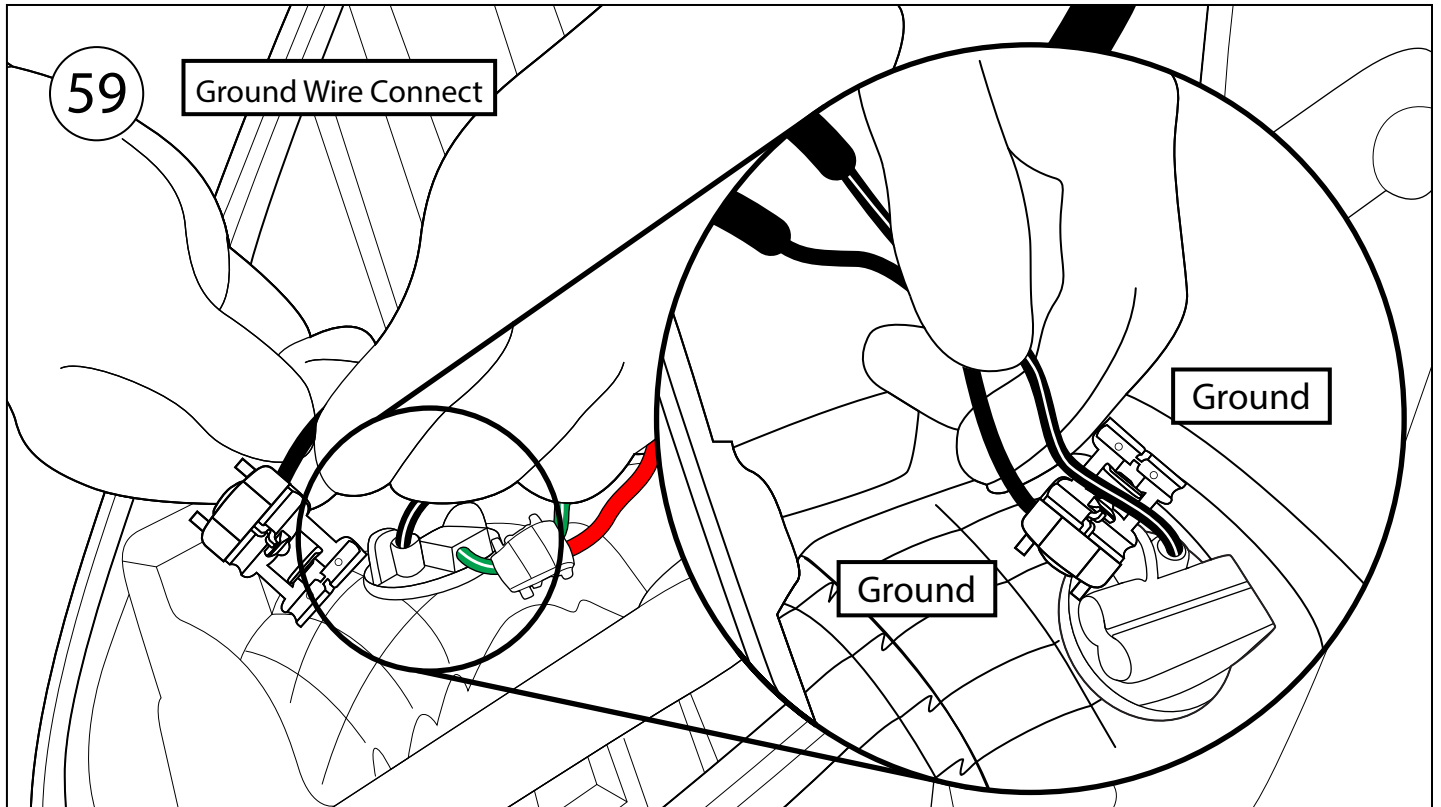
The position of connecting the Red and Black Wiring of the Third Brake Light (RD,BK) circuit of the Harness Central Lock No.32 with the vehicle rear light.

58

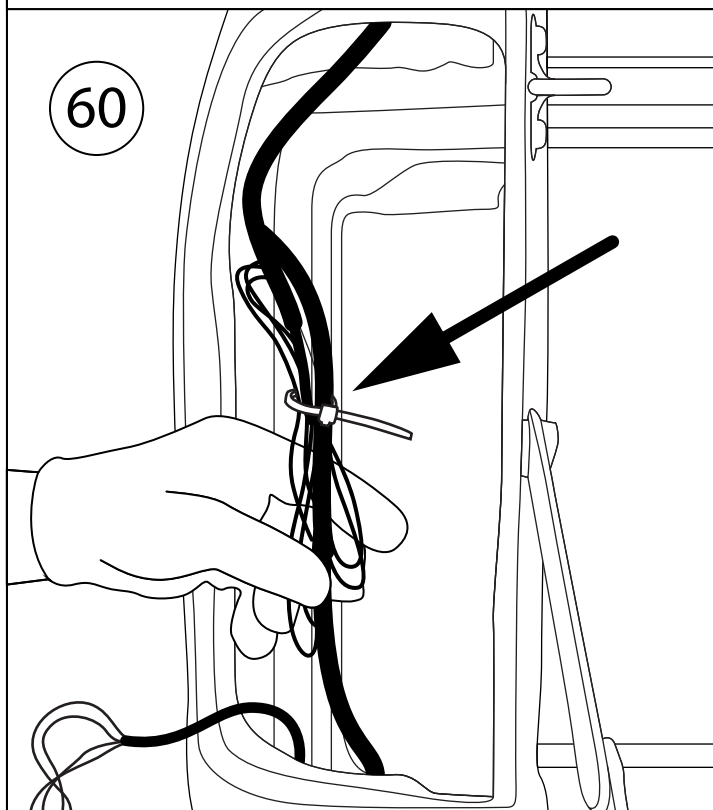
Third Brake Light Wire Connect



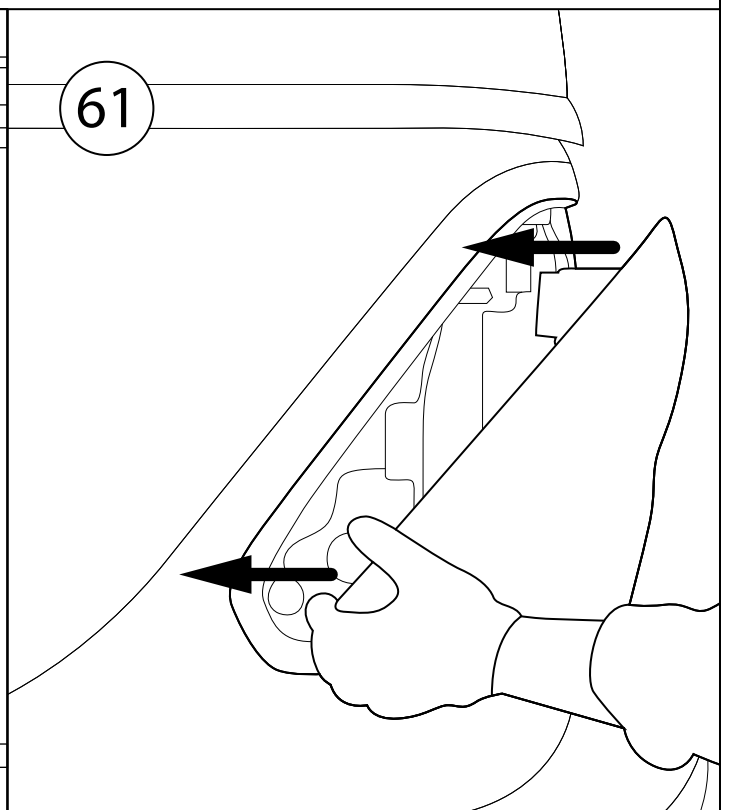
Bring the Red Wiring, Third Brake Light (RD) of the Harness Central Lock No.32 connecting with Green/White (LG/WH) Brake wiring of the vehicle rear light.



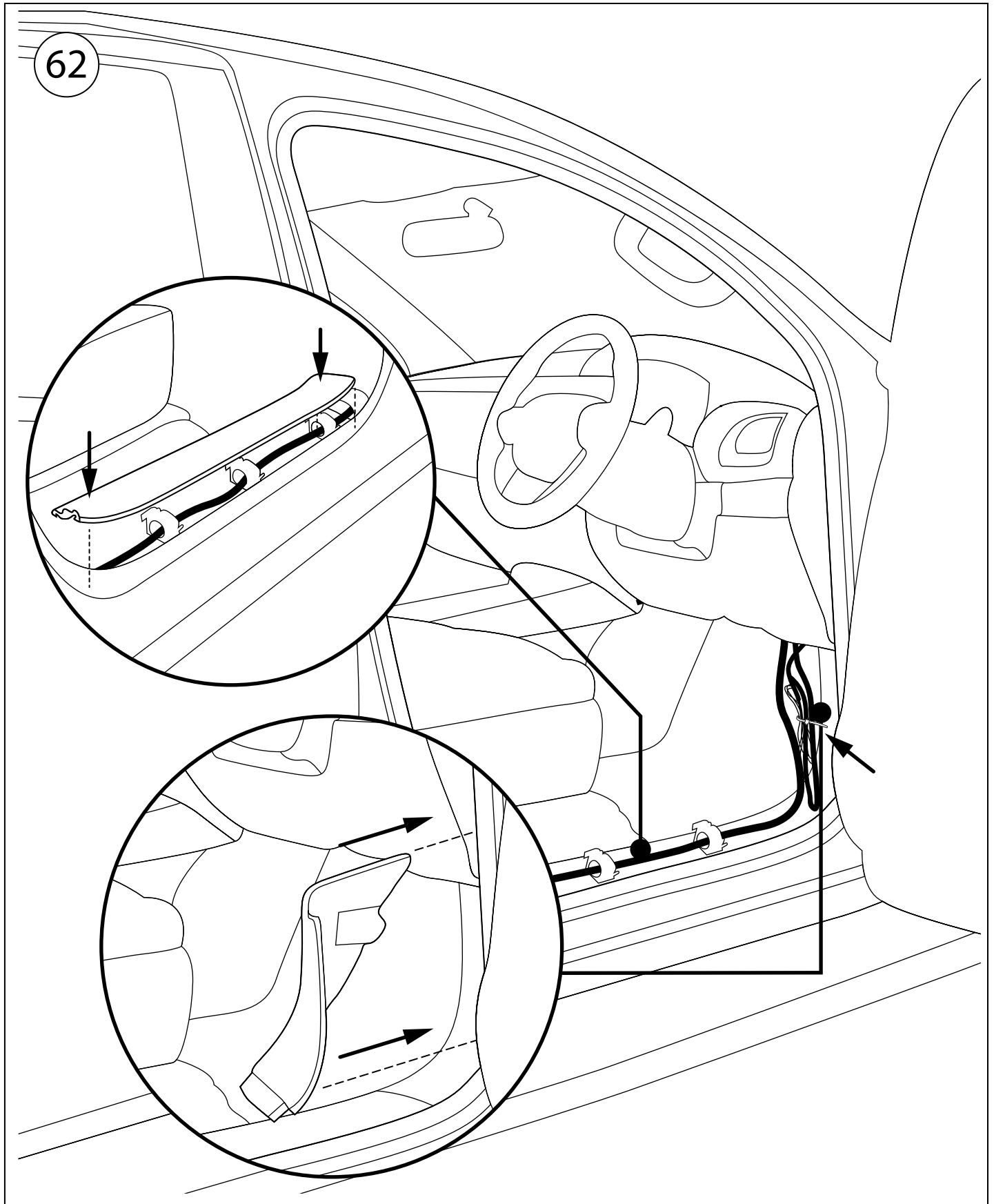
Bring the Black Wiring, GROUND (BK) of the Harness Central Lock No.32 connecting with the Black/White (BK/WH) Ground wiring of the vehicle rear light.



Tight up all the wiring by using the Cable Tie



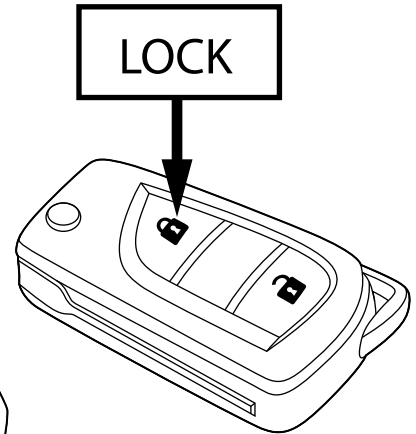
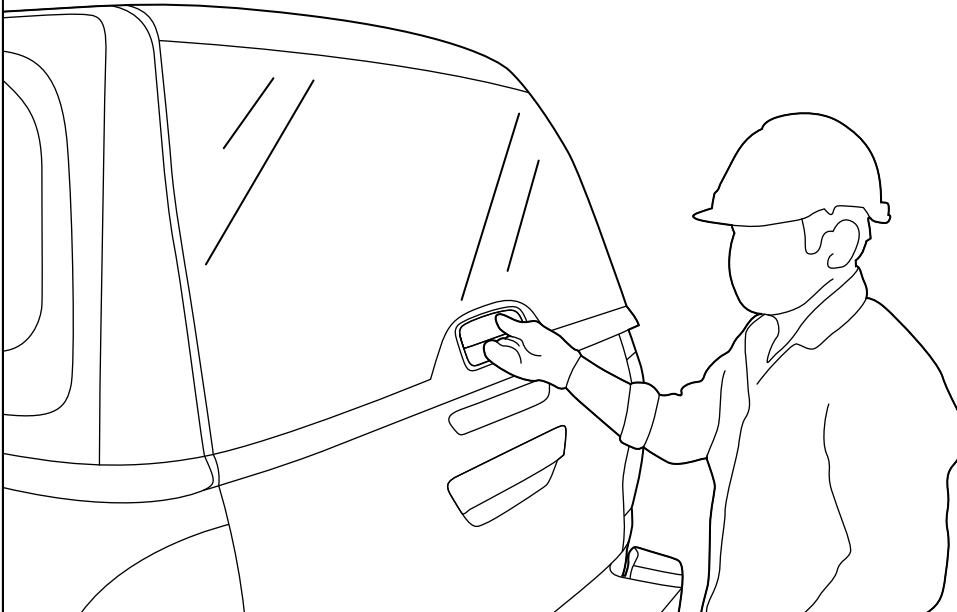
Reassemble the vehicle rear light.



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

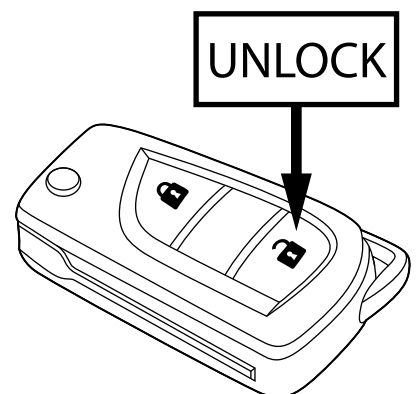
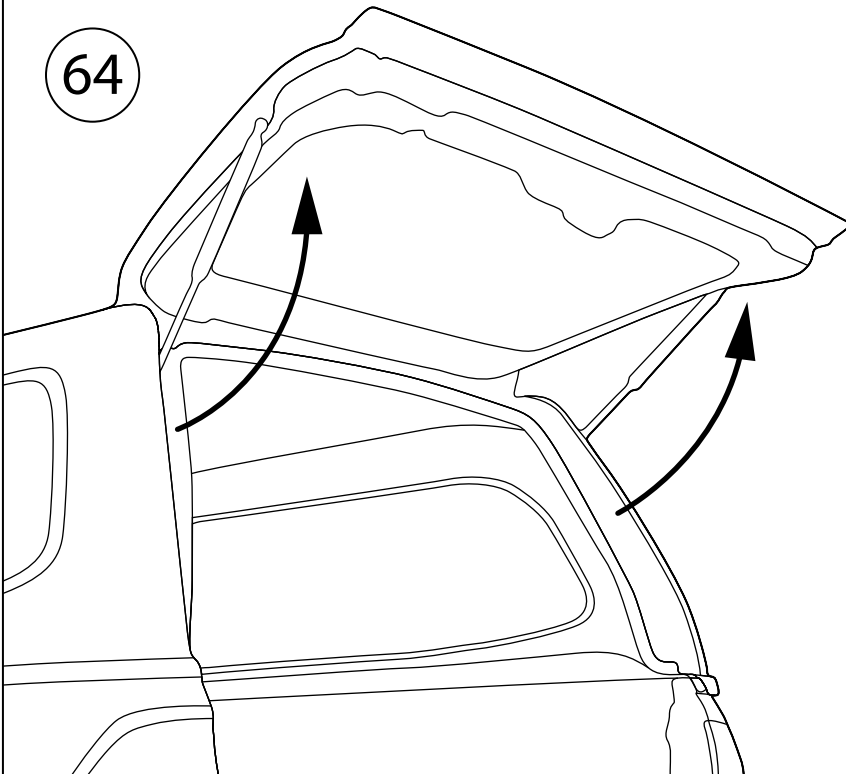
63

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.

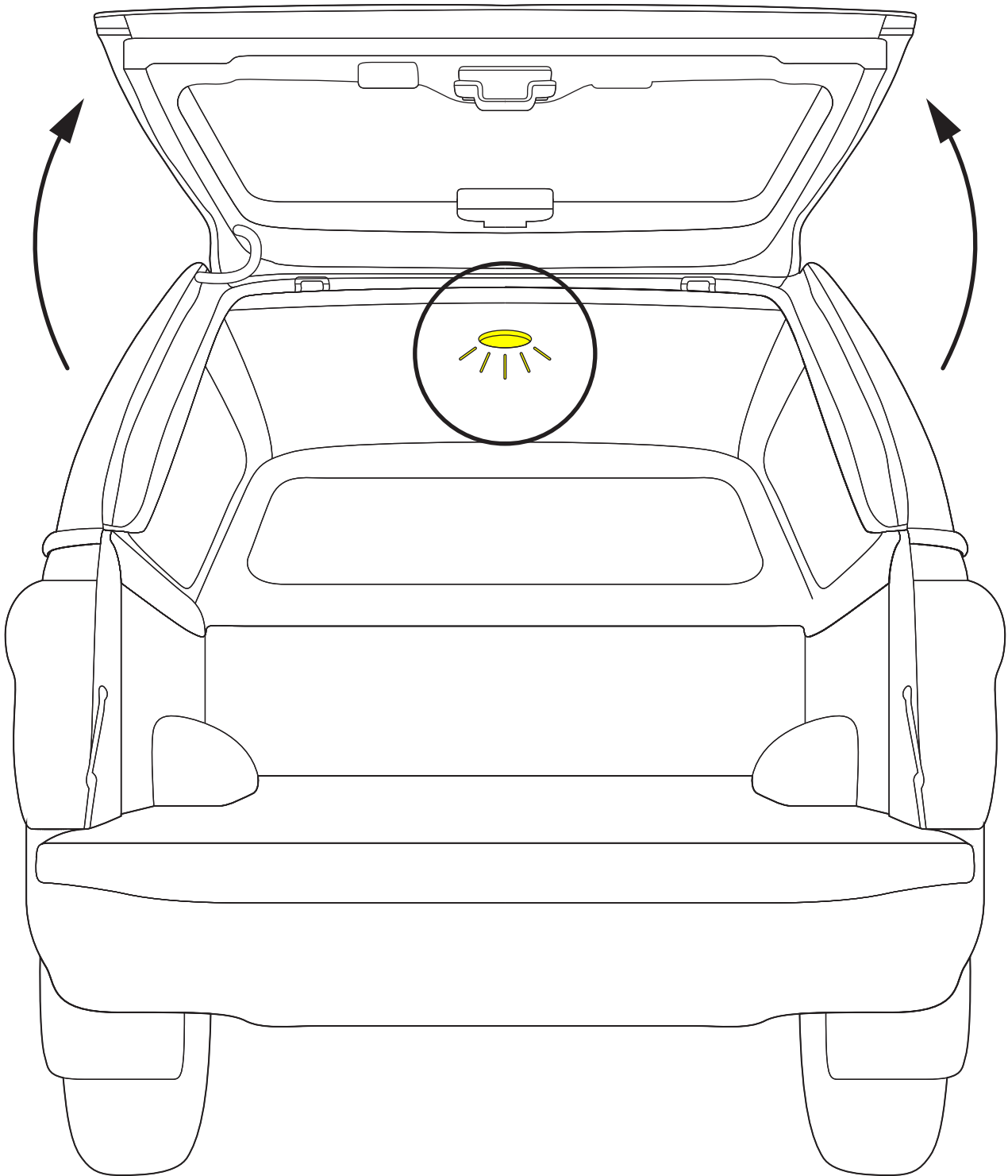
64



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

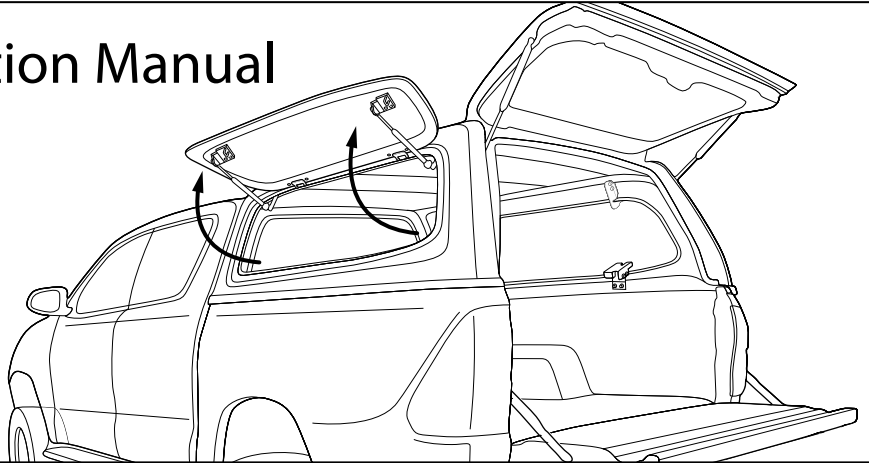


Electric Lock Installation Manual

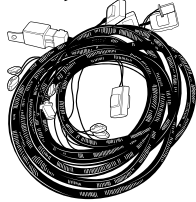
EBW For

Toyota Hilux Revo

S-Plus V2

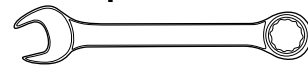


Canopy Wire set



C1: Harness Central
Lock No.38

Require Tool



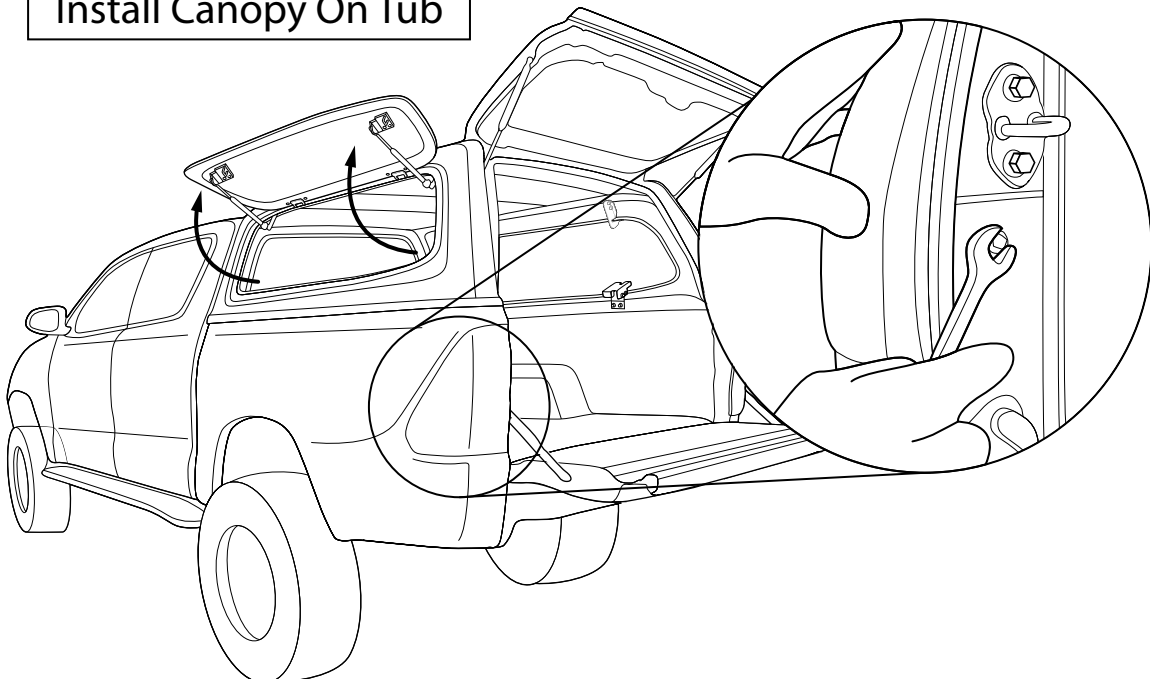
T1 : 10 mm. Wrench



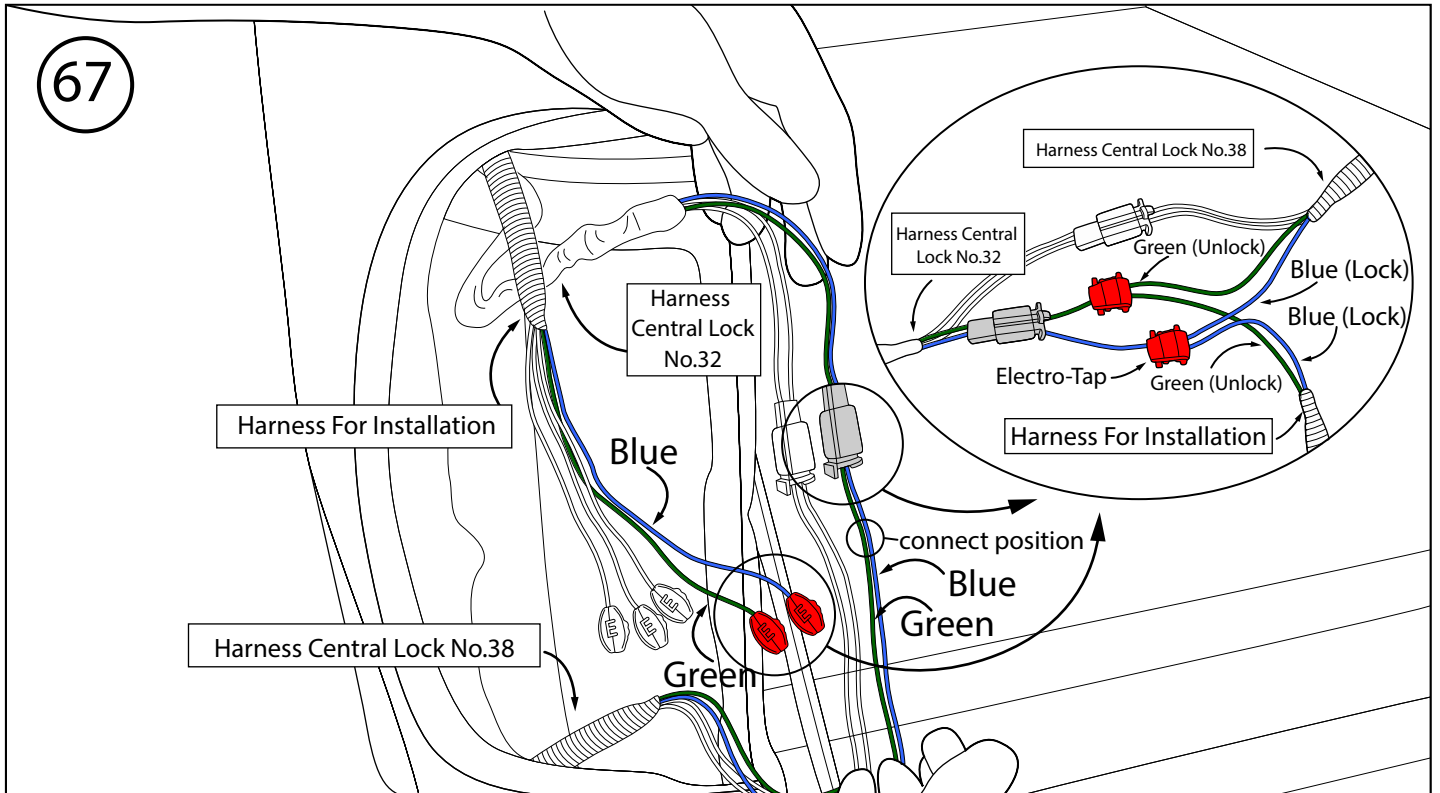
T2 : 19 mm. Wrench

66

Install Canopy On Tub

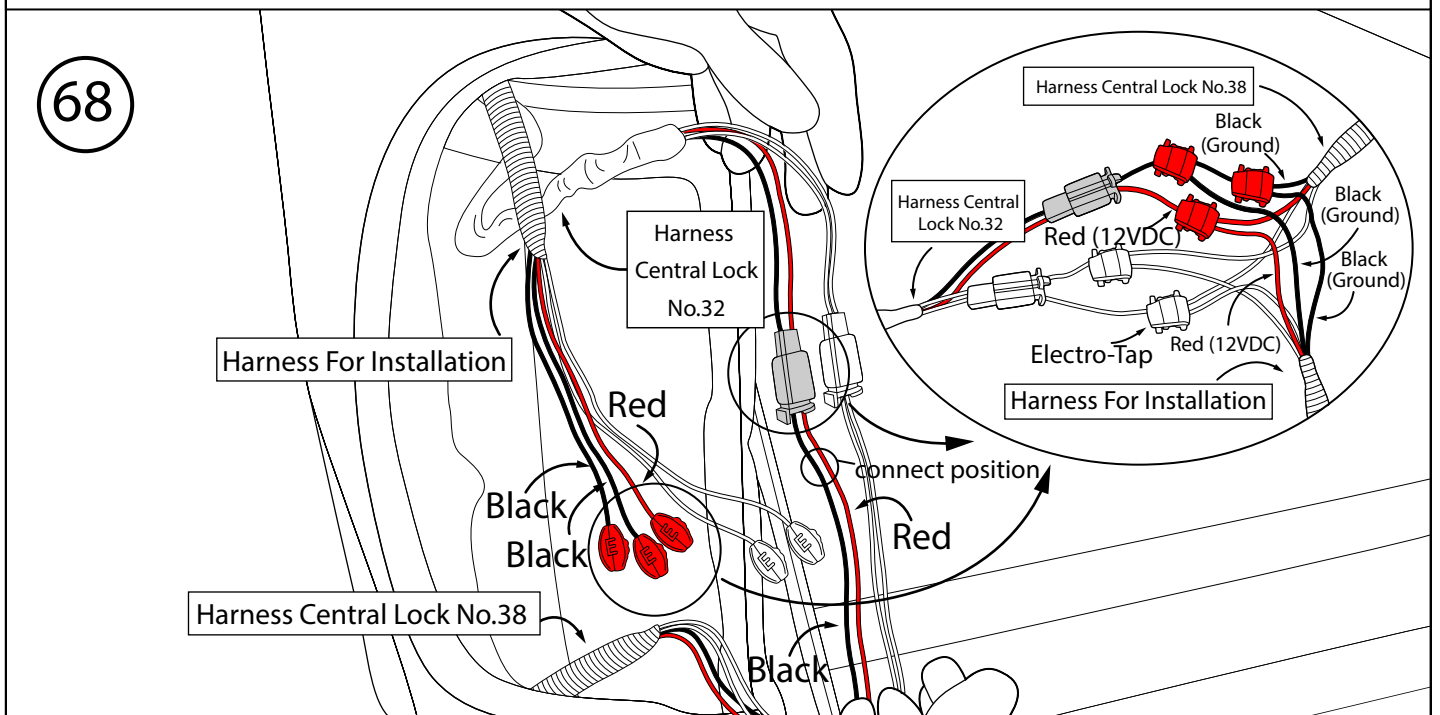


After connects all the Electric lock wiring, then take off the rear light cover by using wrench no.10 loosen the nuts.



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).

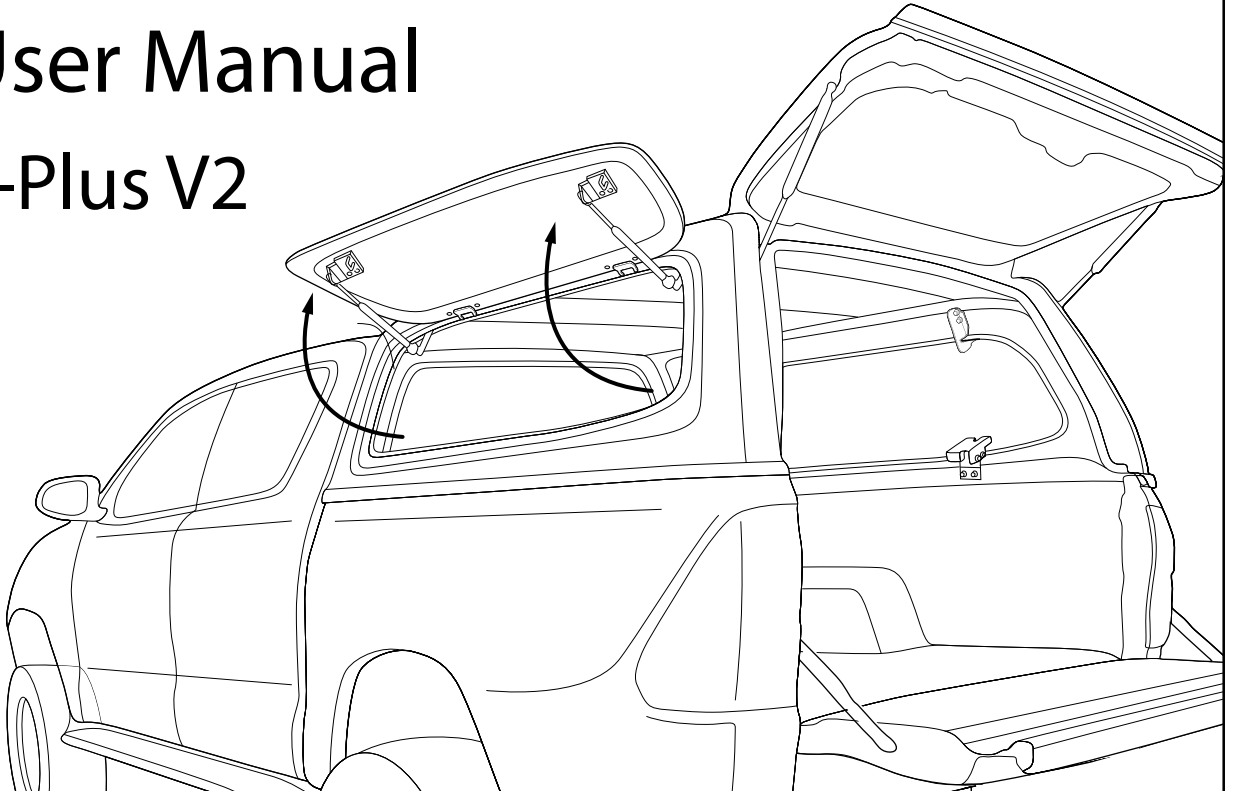


Bring the Red Wiring (12VDC) of the Harness for Installation wiring set connects with the Red Wiring (12VDC) of the Harness Central Lock No.38 wiring set by using the ELECTRO-TAP (Red Colour).

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).

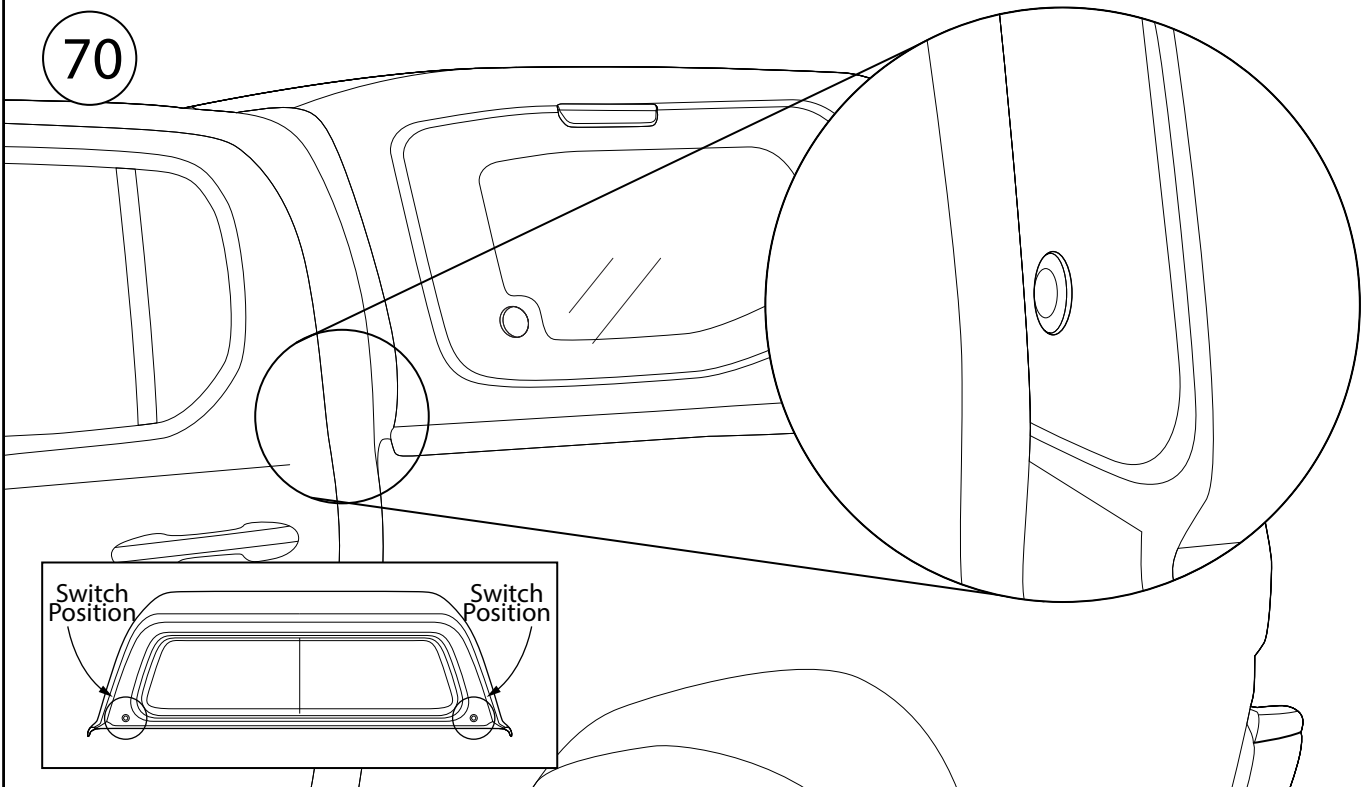


⑥9 User Manual S-Plus V2



Instructions for using the Electric Lock.

70



The picture shows Electric Lock switch button positions.

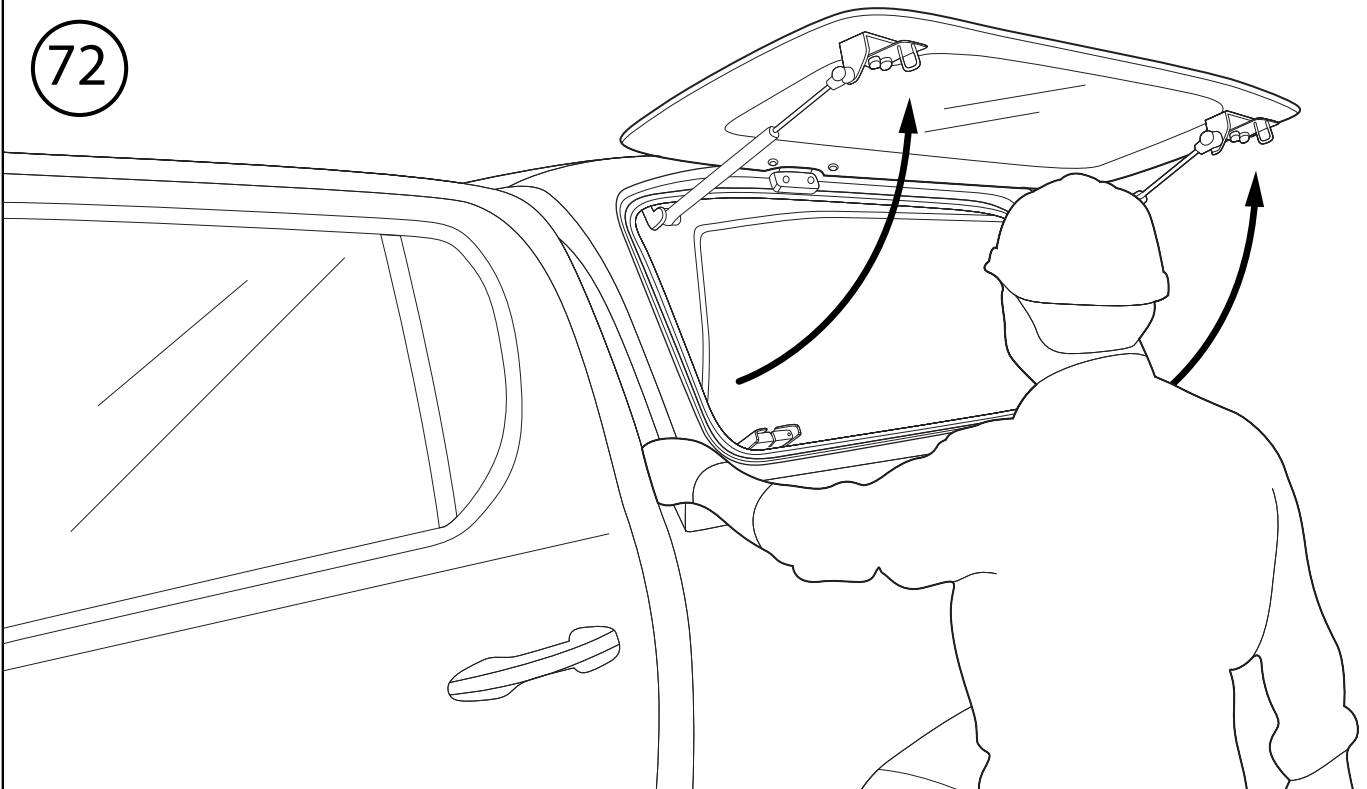


71



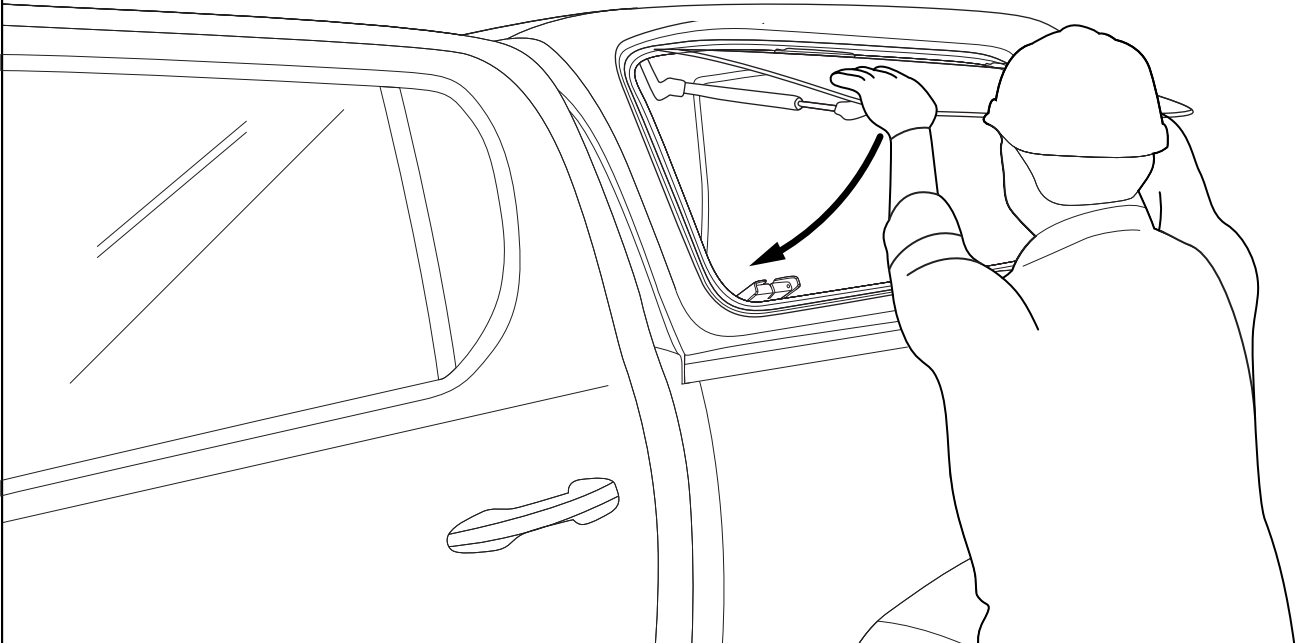
The picture shows the usage of Electric Lock button.

72



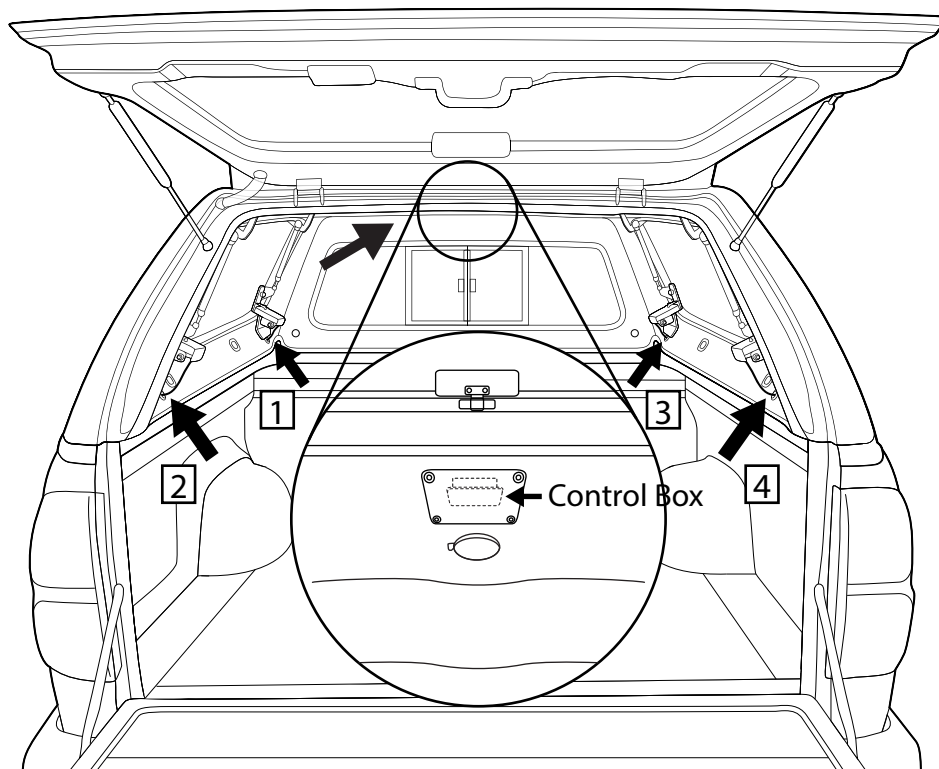
When push the Electric Lock button, the window will open as shown in picture.

73



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

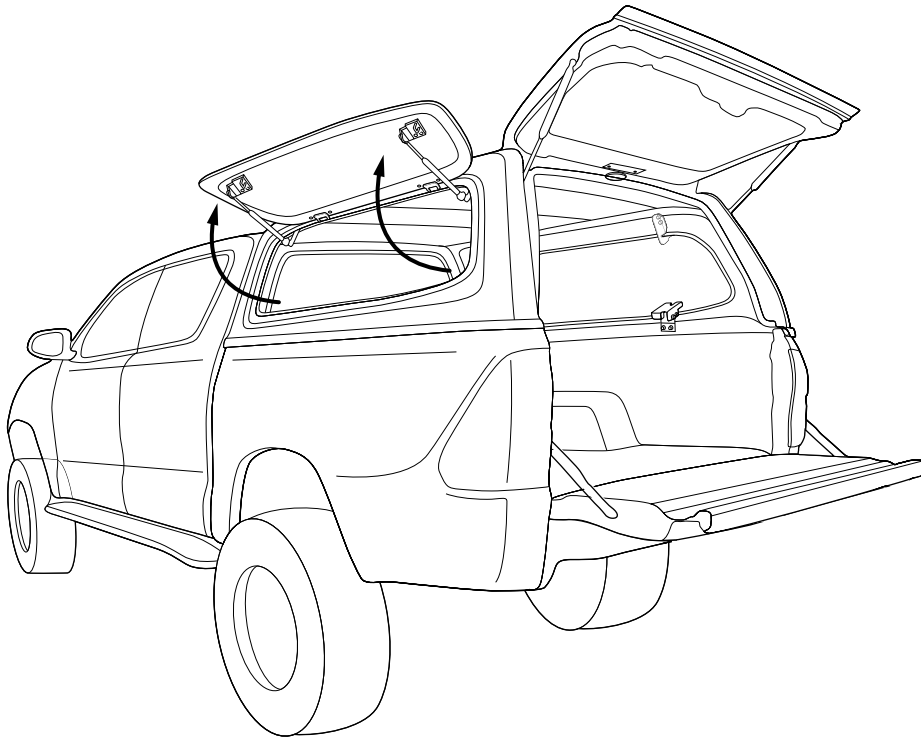
74



The picture shows the Electric Lock and Control Box position.



75



Complete the Electric Lock system.



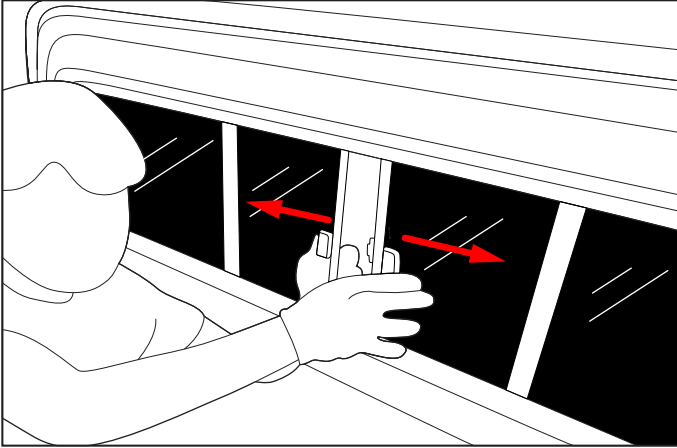
SAMMITR

Opening Function of all canopy model



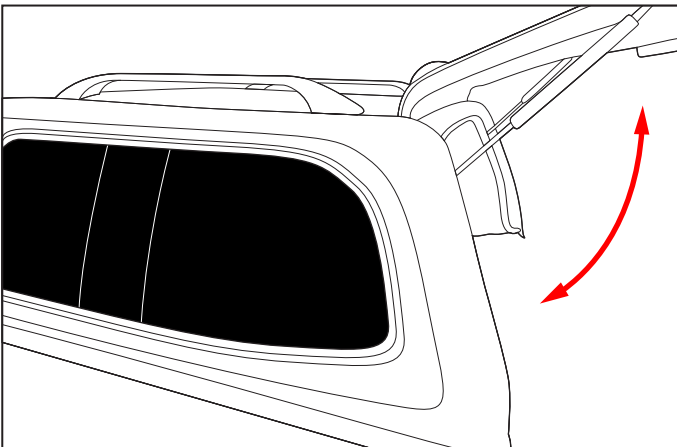
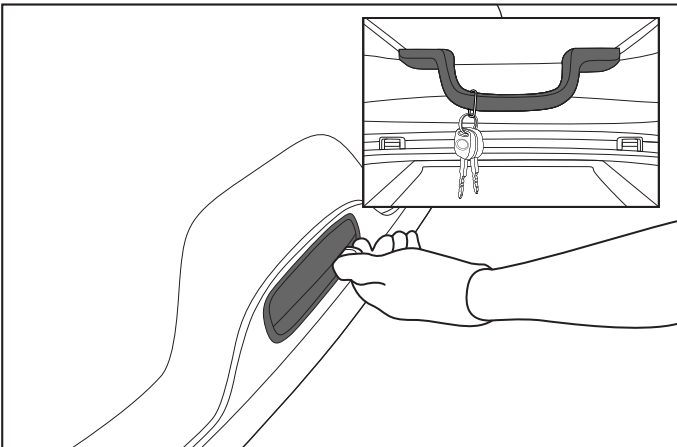
SAMMITR

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

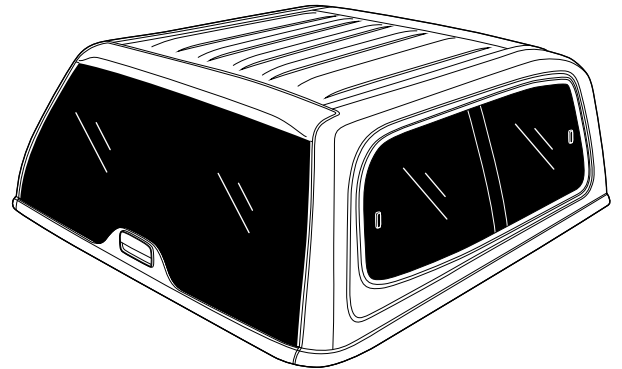


Use the key is unlock function will
be the same for all model,
V2, V4 and TL1.

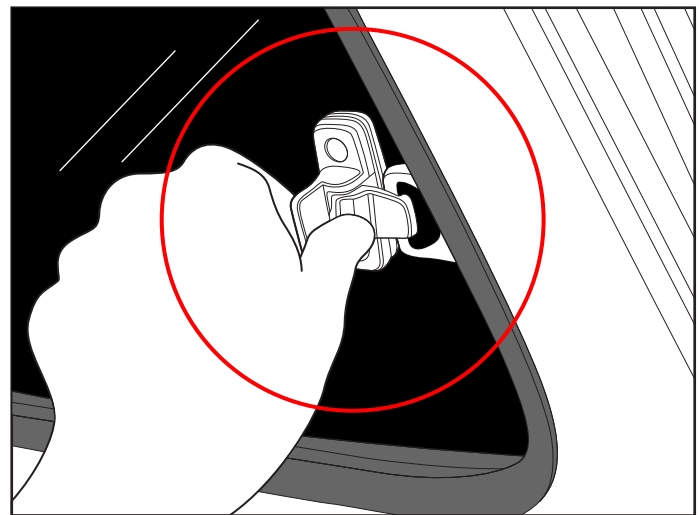
Open the backdoor function
are different.



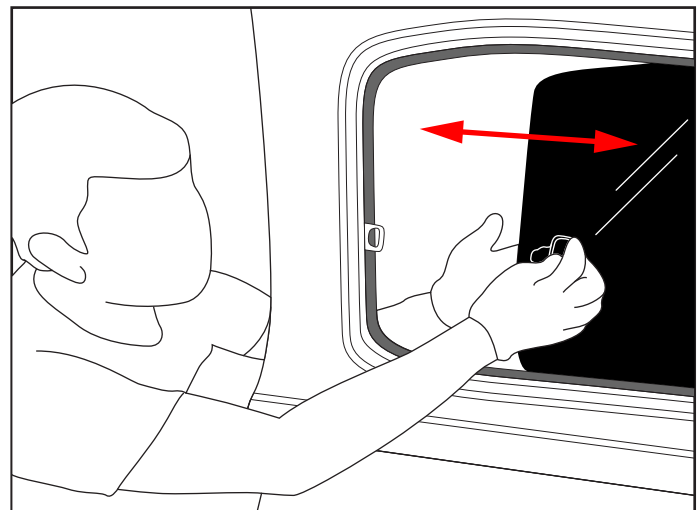
User manual



Slide Window (Left-Right)



Squeeze the lock side to open.

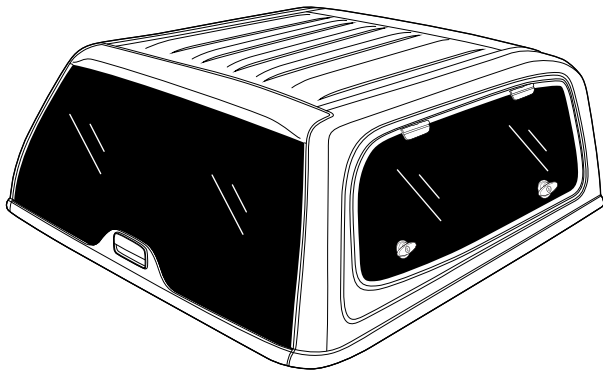


The Picture shows how to open the side
window.

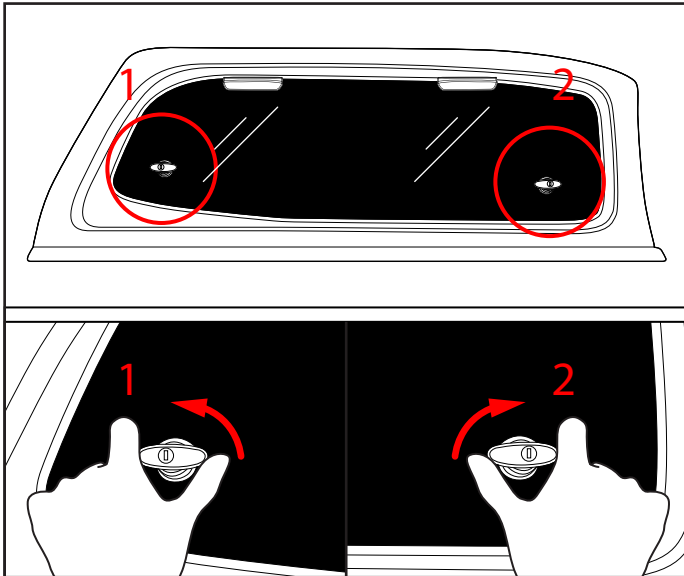


SAMMITR

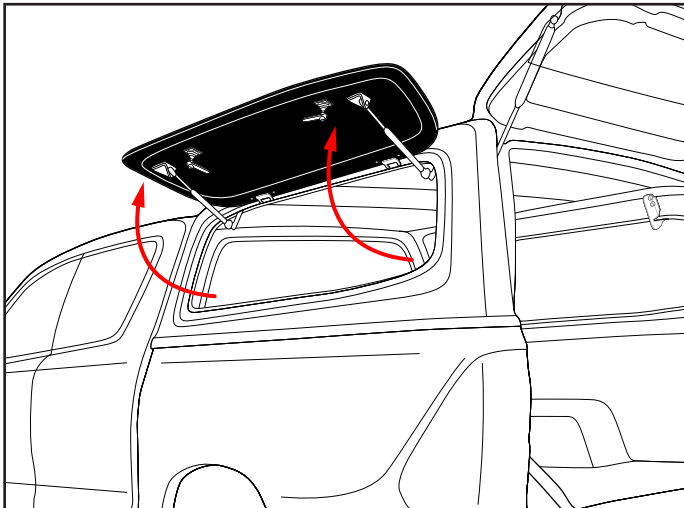
User manual



Glass Birdwing Window Left-Right (Handle Lock)



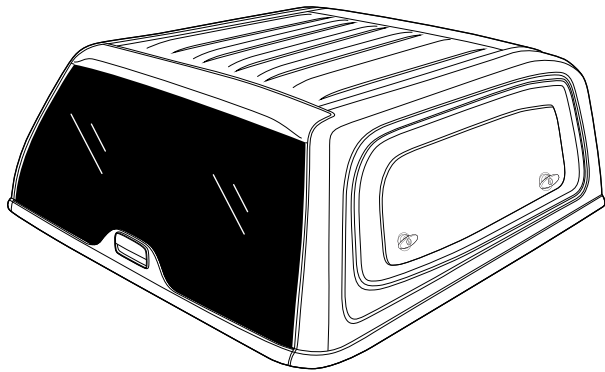
Turn around the canopy lock as shown in picture to open the side window.



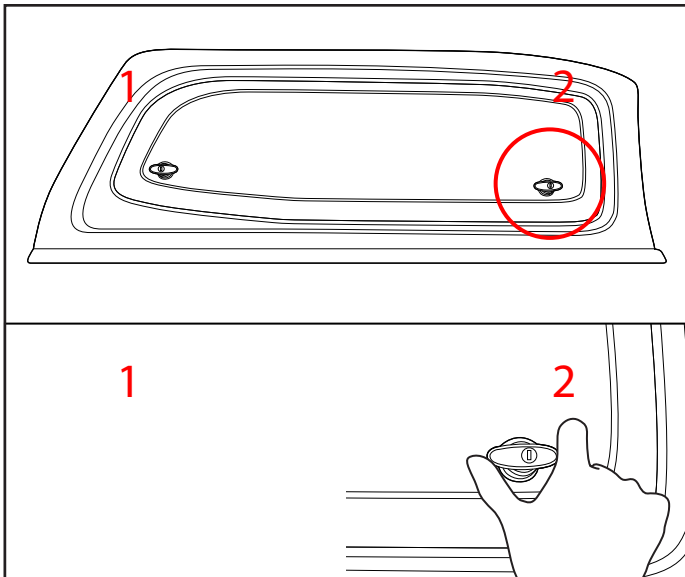
Picture shows how to open the side window.



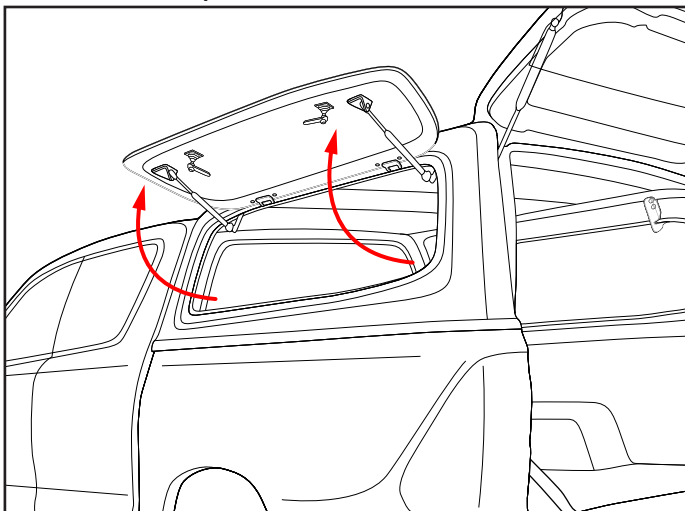
SAMMITR



Solid Birdwing Window Left-Right
(Handle Lock)

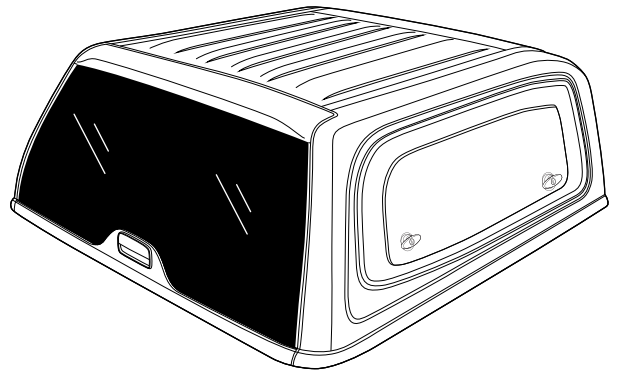


Turn around the canopy lock as shown in picture to
open the side window.

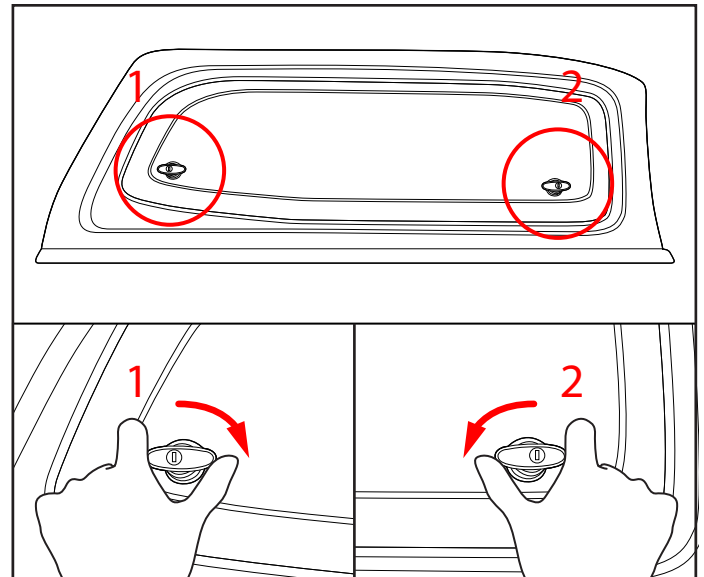


Picture shows how to open the side window.

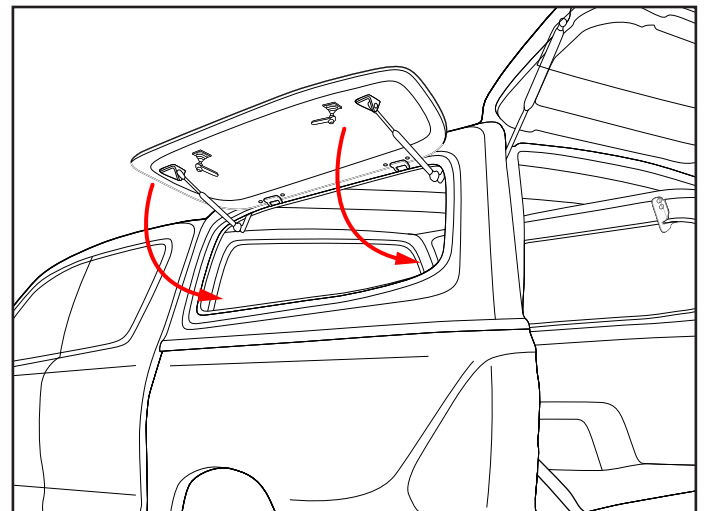
User manual



Solid Birdwing Window Left-Right
(Handle Lock)



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

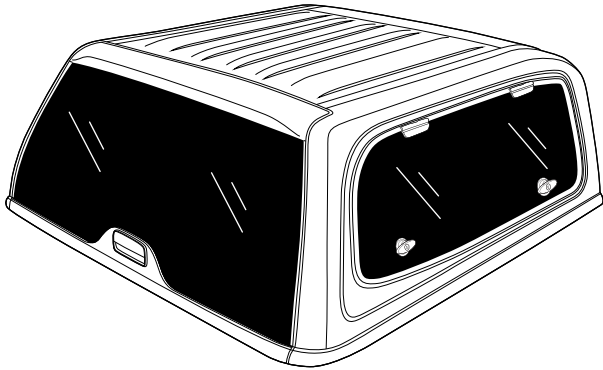


Picture shows how to close the side window.



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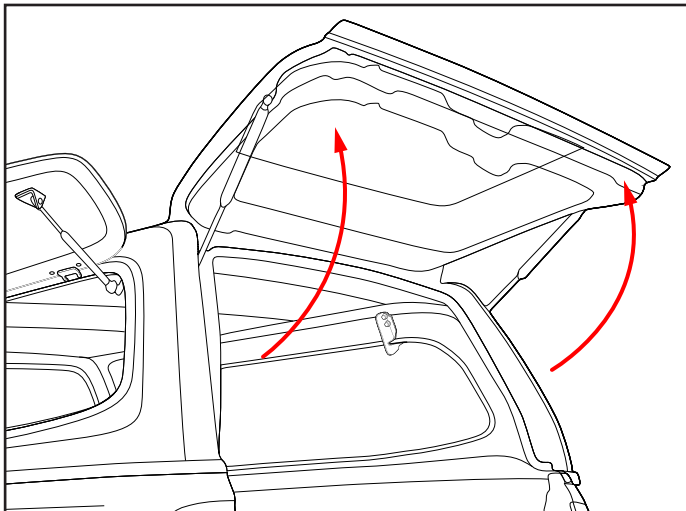
User manual



Backdoor

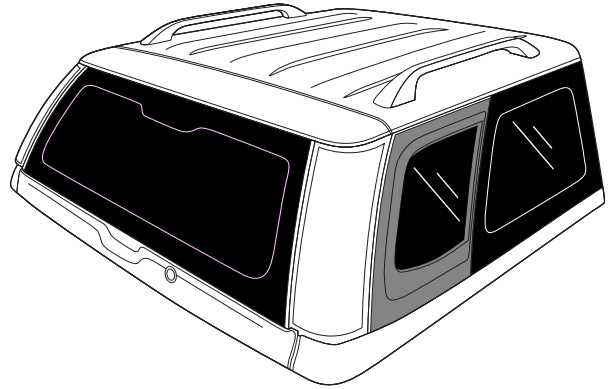


Use the handle as shown in picture to open the backdoor.

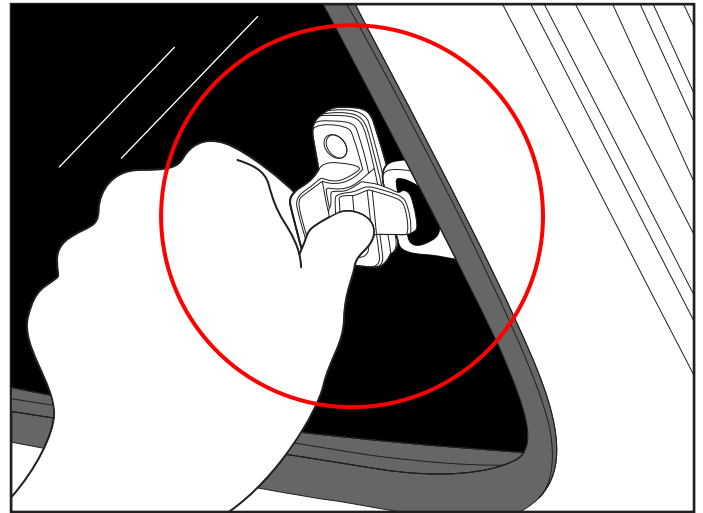


The Picture shows how to open the backdoor.

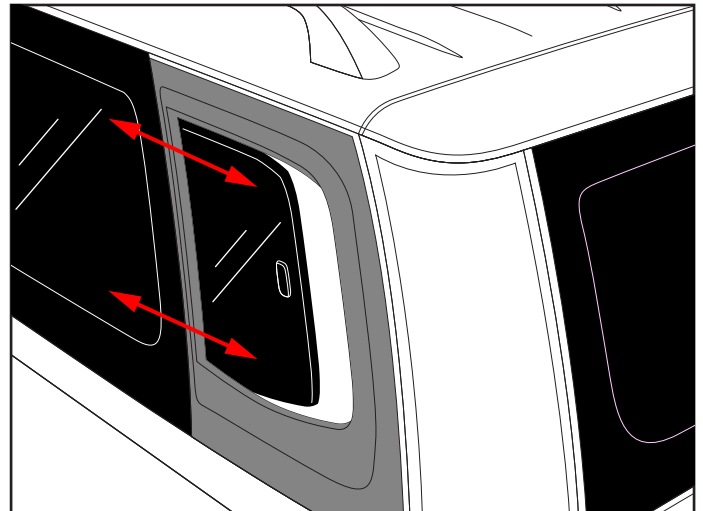
User manual



Slide Window (Left-Right)



Squeeze the lock side to open.

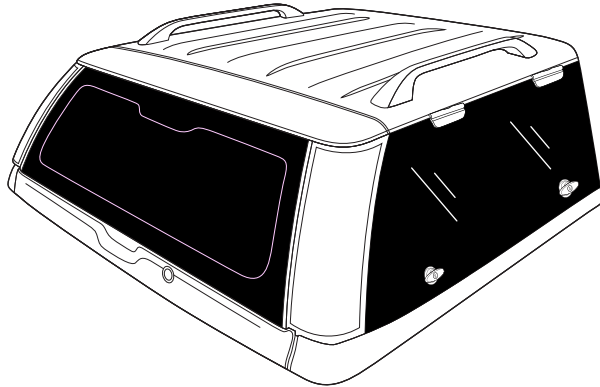


The Picture shows how to open the side

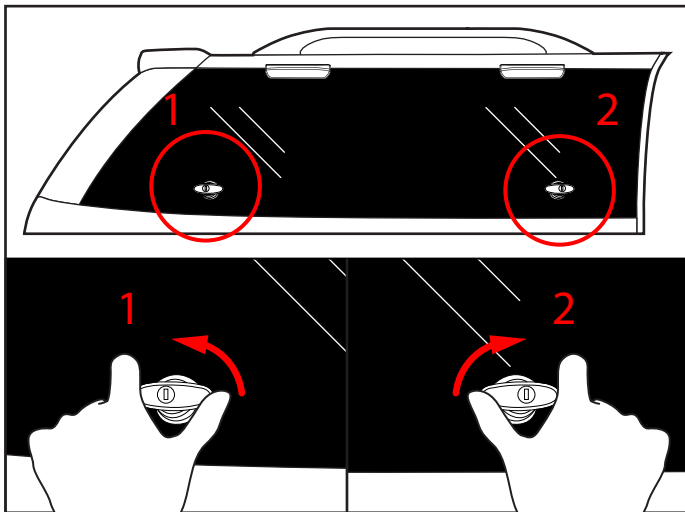


SAMMITR

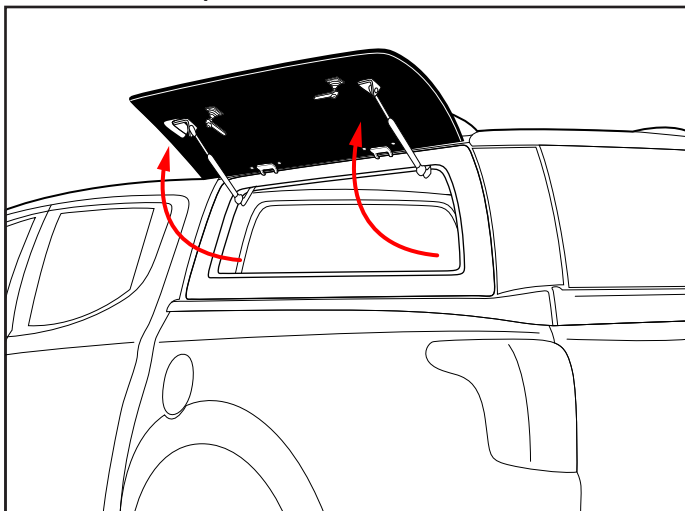
User manual



Glass Birdwing Window Left-Right
(Handle Lock)

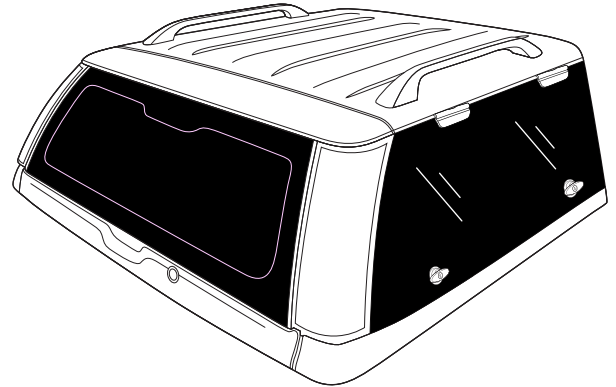


Turn around the canopy lock as shown in picture to open the side window.

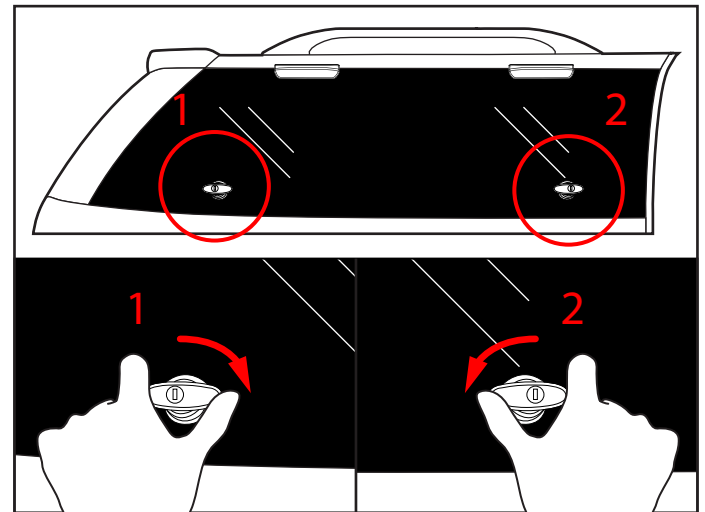


Picture shows how to open the side window.

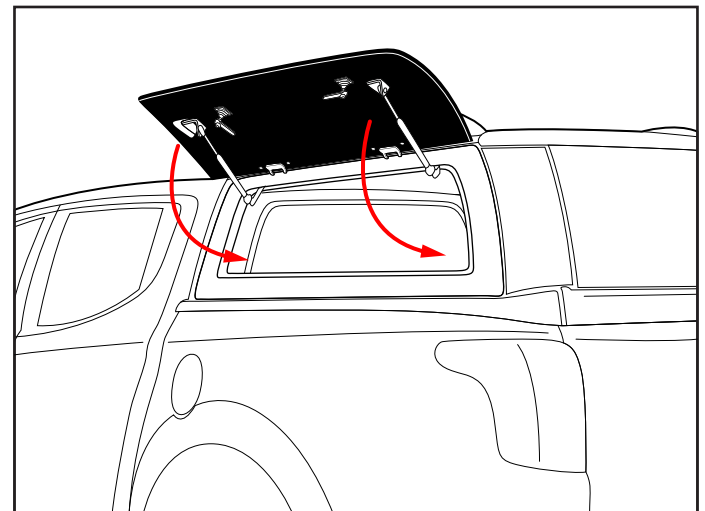
User manual



Glass Birdwing Window Left-Right
(Handle Lock)



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

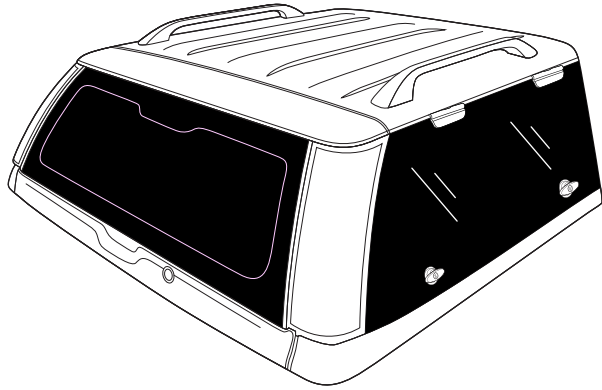


Picture shows how to close the side window.

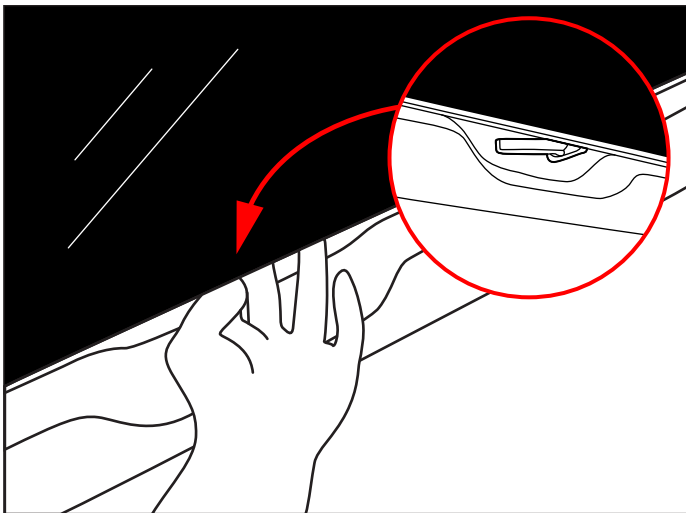


SAMMITR

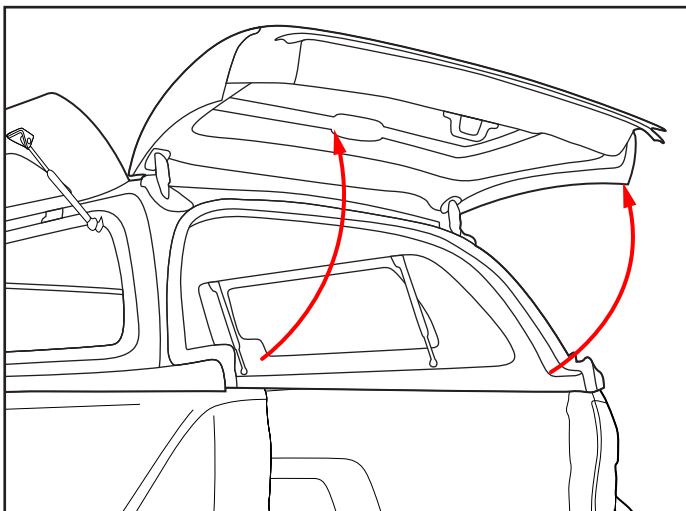
User manual



Backdoor

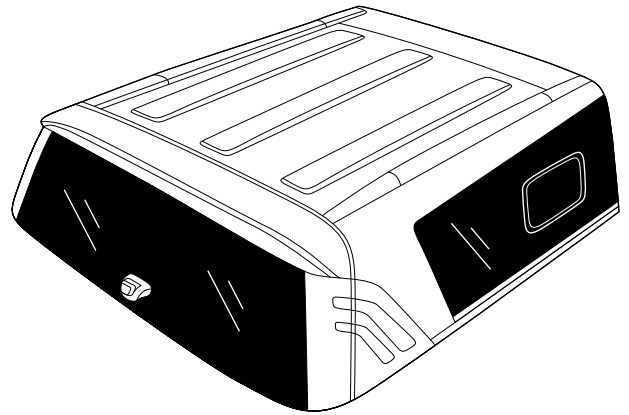


Pull the stick of handle to open the back door.

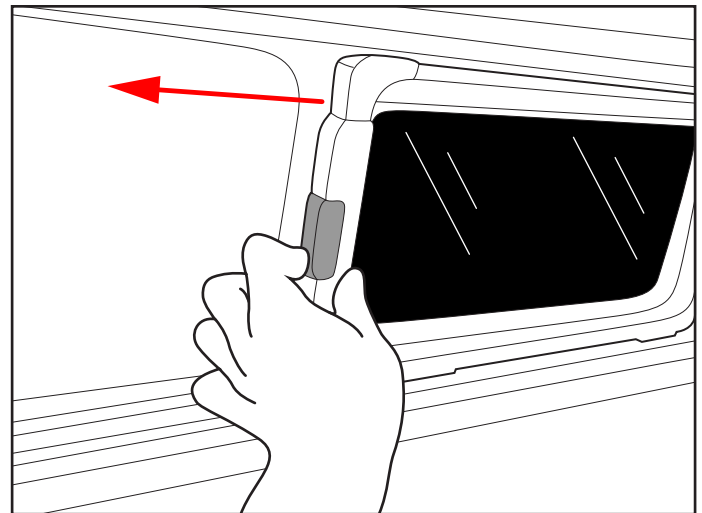


The Picture shows how to open the back door.

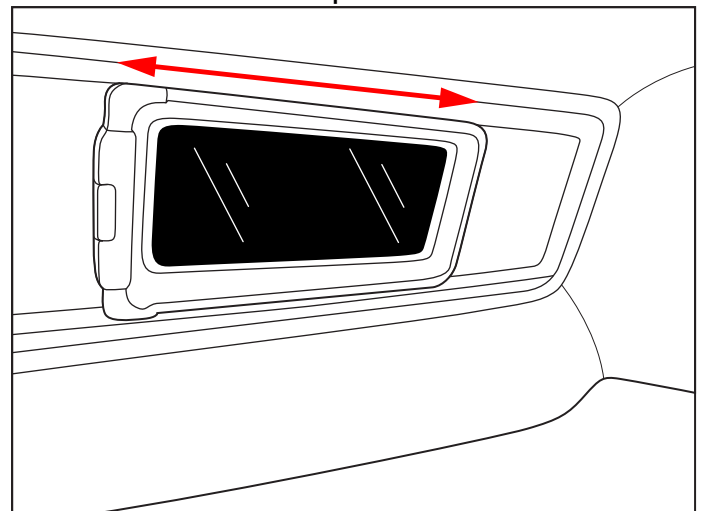
User manual



Slide Window (Left-Right)



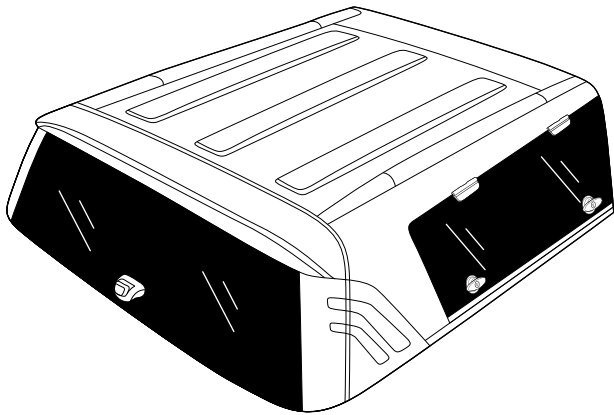
Push the button in side canopy and slide back to open.



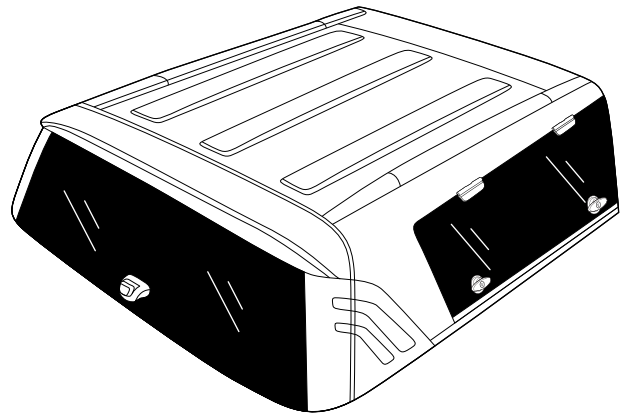
Picture shows how to open the side window from inside.



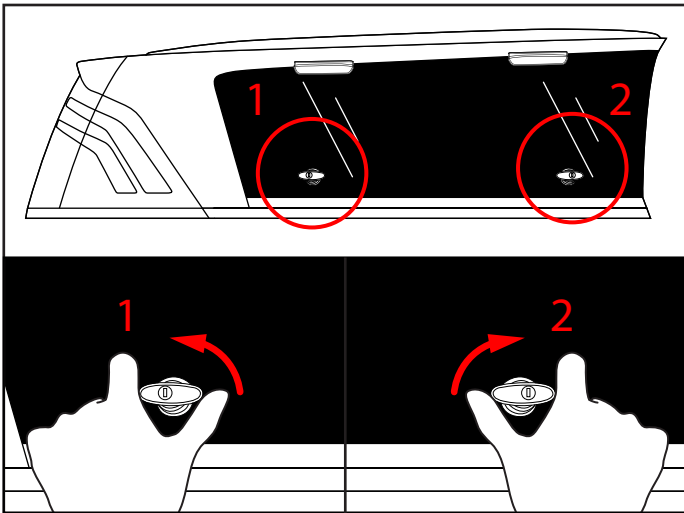
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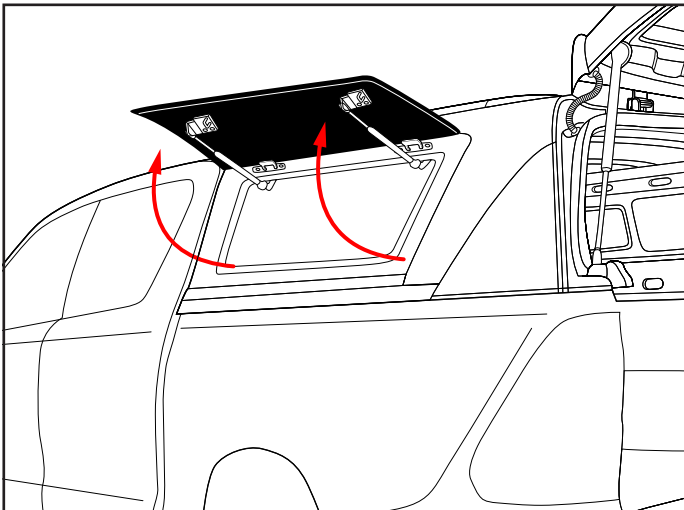
Glass Birdwing Window Left-Right
(Handle Lock)



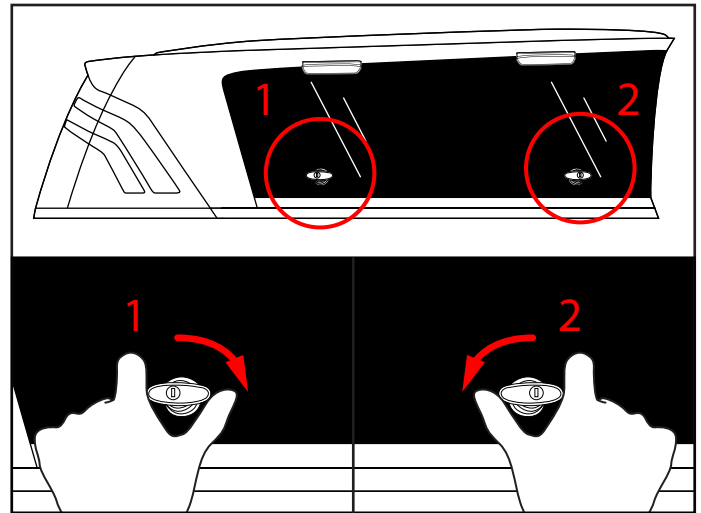
Glass Birdwing Window Left-Right
(Handle Lock)



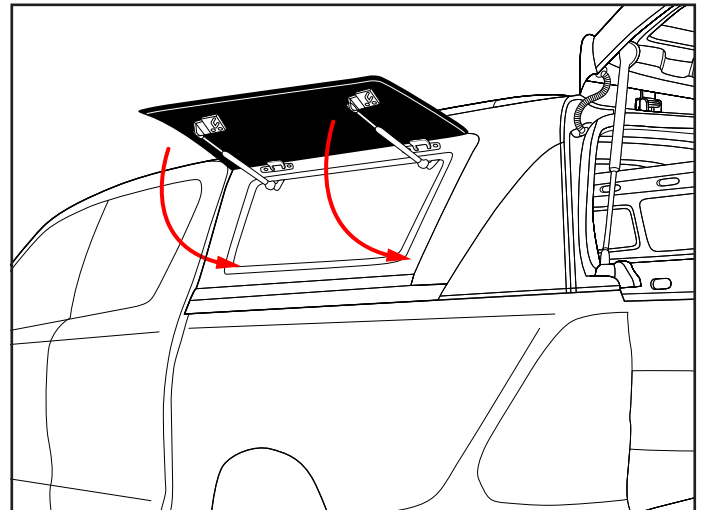
Turn around the canopy lock as shown in picture to open the side window.



Picture shows how to open the side window.



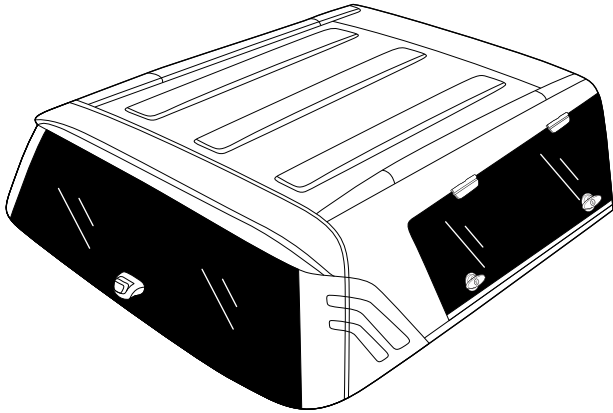
Turn around the canopy lock as shown in picture to close the side window.



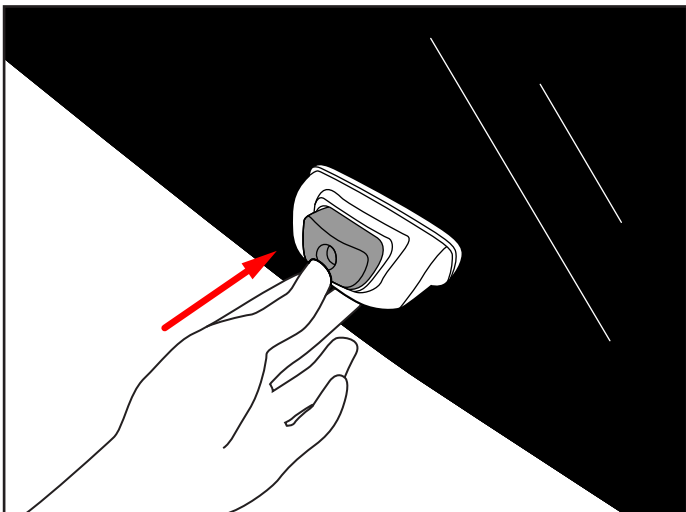
Picture shows how to close the side window.



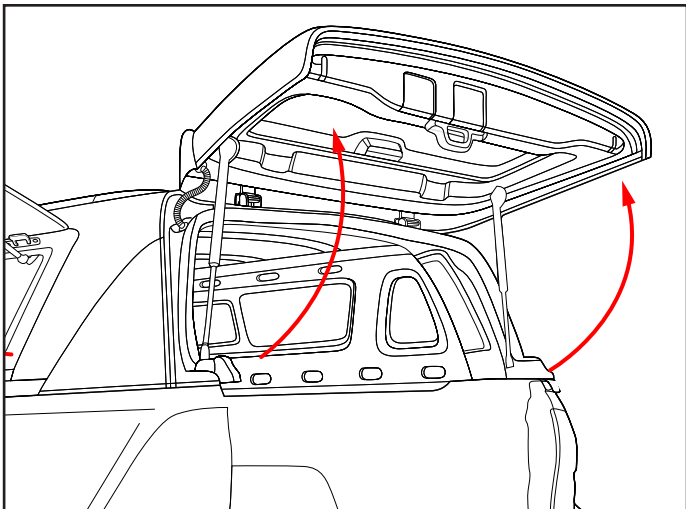
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Backdoor



Push the button to open the back door.



The Picture shows how to open the backdoor.