



SAMMITR

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

Version 1.0



SAMMITR

Mechanical Installation Manual

for

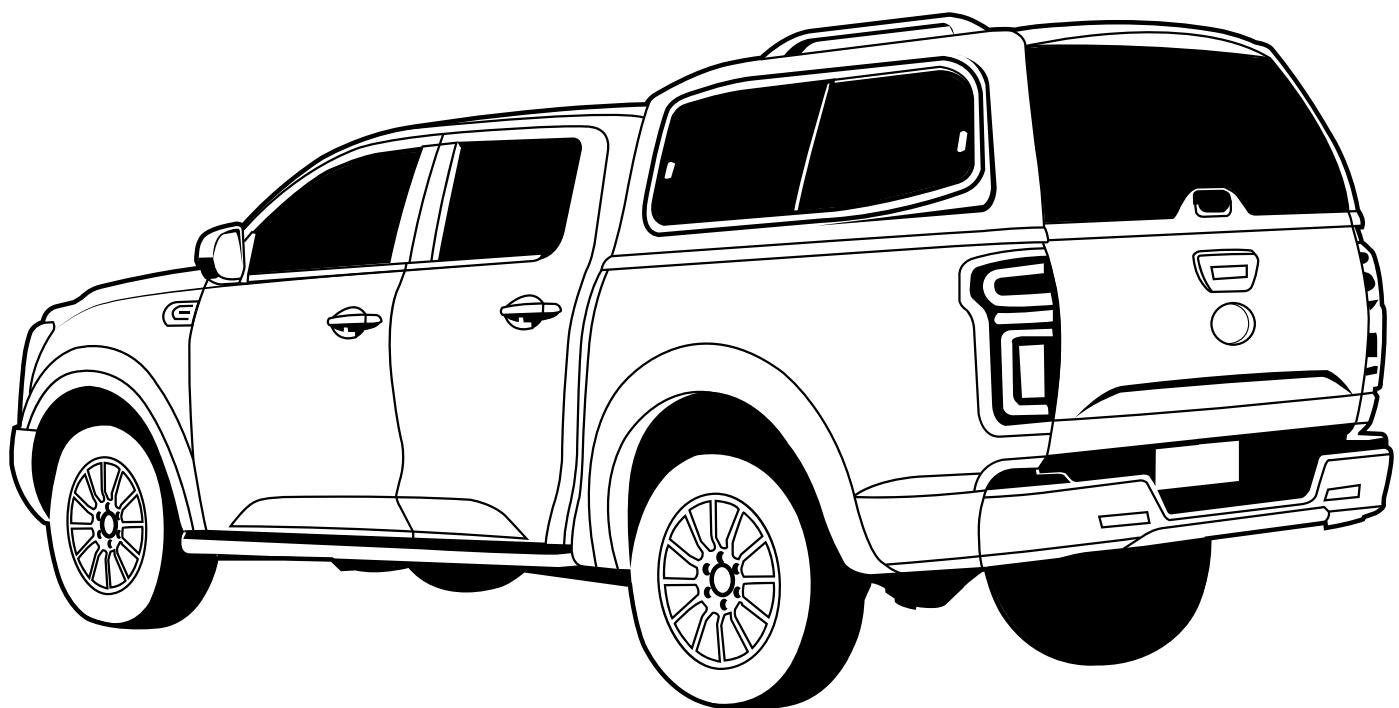
Great Wall Canon

2021

*S-plus***V2**



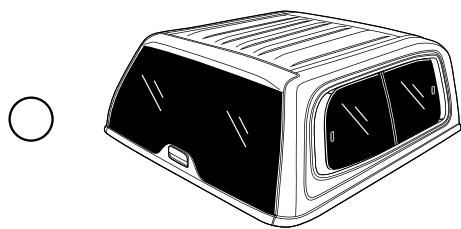
SAMMITR



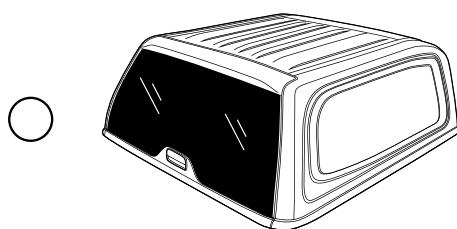


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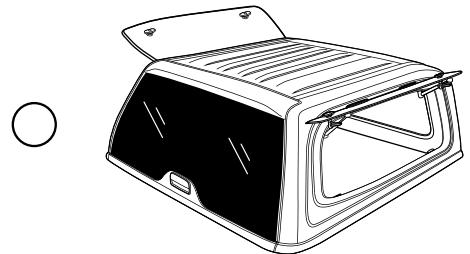
■ Steel Canopy S-Plus V2



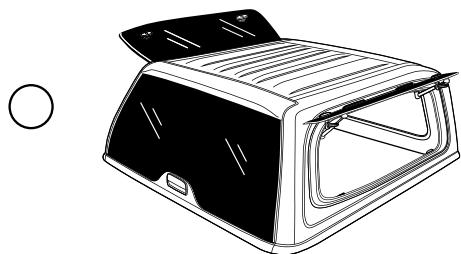
Glass Slide Window



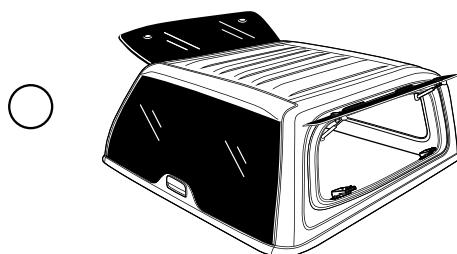
Solid Window



Solid Birdwing Window (Handle Lock)

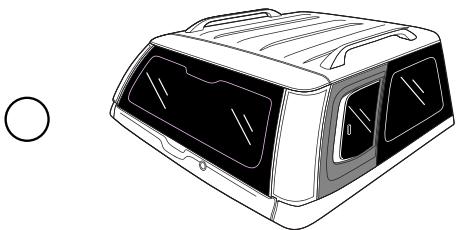


Glass Birdwing Window (Handle Lock)

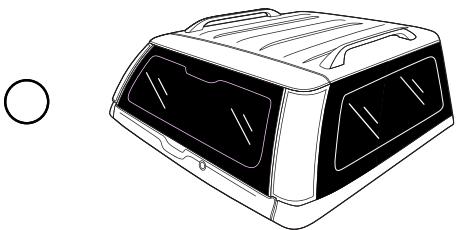


Glass Birdwing Window (Electric Lock)

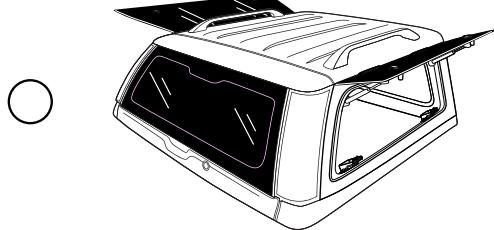
■ Steel Canopy SUV-Plus V4



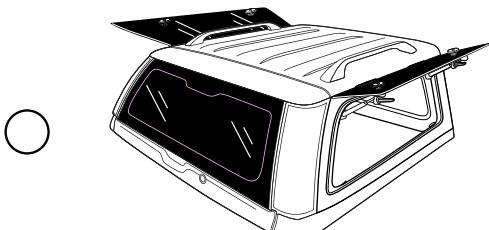
Glass Slide Window



Glass Fix Window

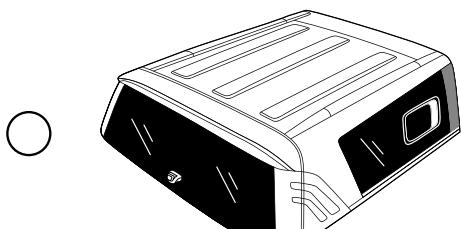


Glass Birdwing Window (Electric Lock)

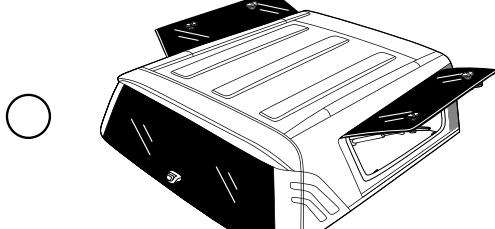


Glass Birdwing Window (Handle Lock)

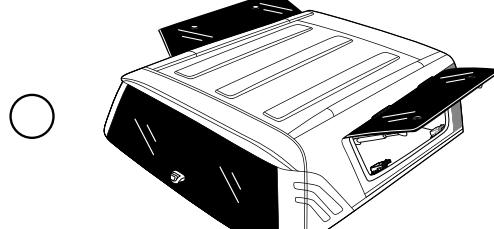
■ Steel Canopy TL-1



Glass Slide Window



Glass Birdwing Window (Handle Lock)



Glass Birdwing Window (Electric Lock)



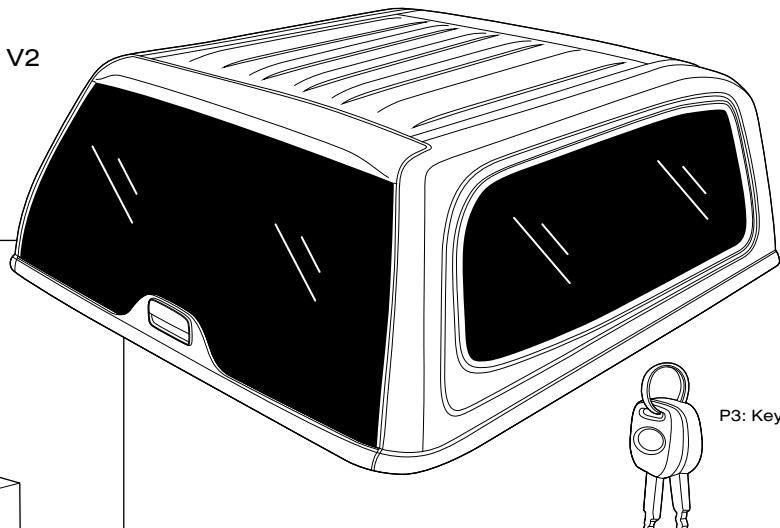
Mechanical Installation Manual

All Models

Steel Canopy : S-Plus V2
Version 1.0

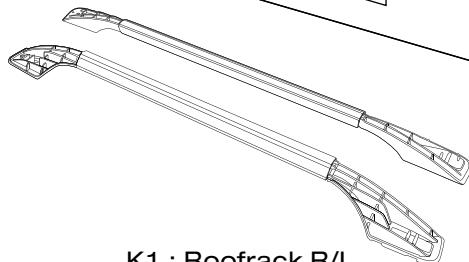
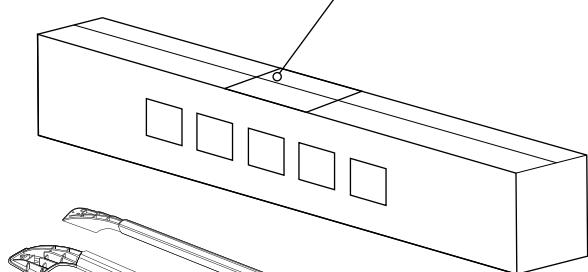
Part In Main Carton

P1: Steel Canopy S-Plus V2



Kit Box

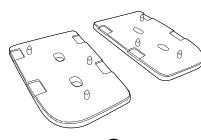
Part List Paper



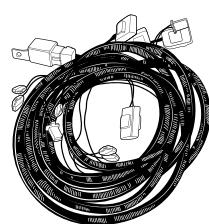
K1 : Roofrack R/L



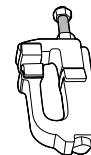
K3 : Switch Case



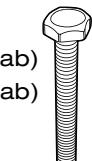
K2 : Rubber R/L



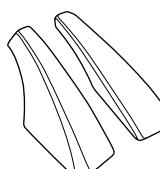
K4 : Wiring No.51



K5 : C-Clamp



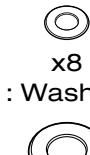
K7 : Bolt M6



K6 : Roofrack Cover



K8 : T Paint



K9 : Washer M6



K10 : Washer M8

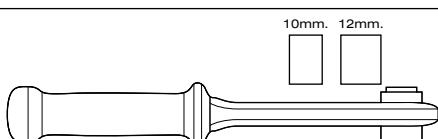


K11 : Spring Washer M6

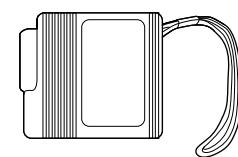
Require Tools



T1 : 13 mm. Wrench



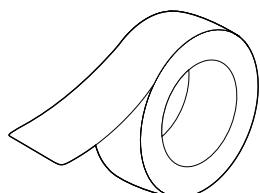
T3 : 10,12mm. Torque Wrench



T4 : Measuring Tape/Ruler



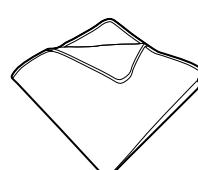
T2 : 10 mm. Wrench



T5 : Tape



T6 : Electric Tape

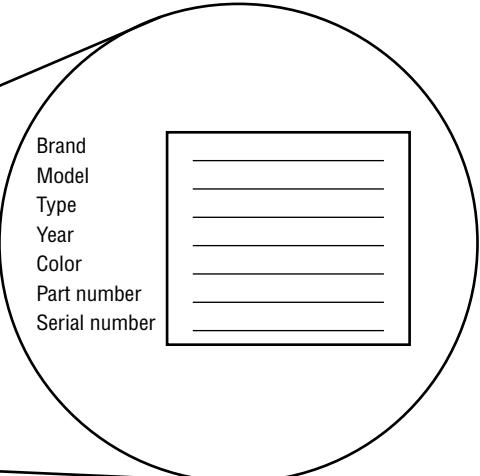
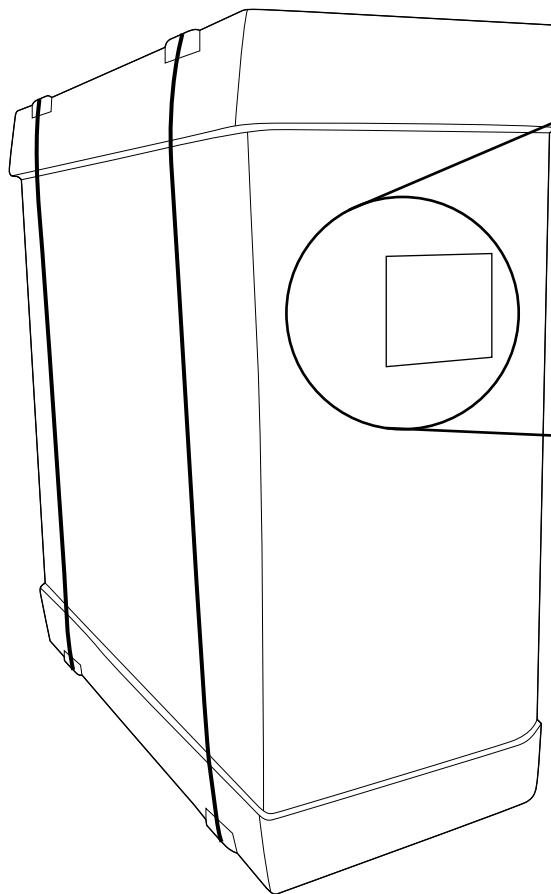


T7 : Fabric



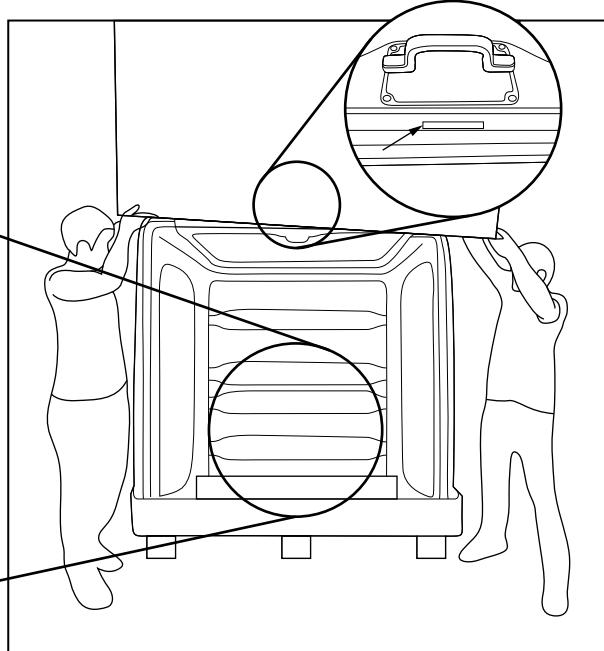
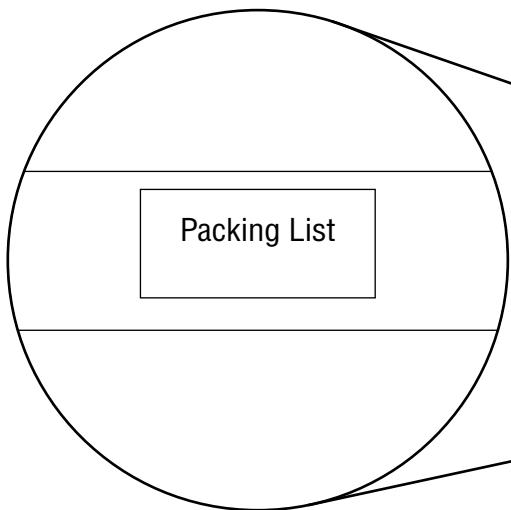
1

The Procedure of checking the Sammitr canopy box before installation.



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

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



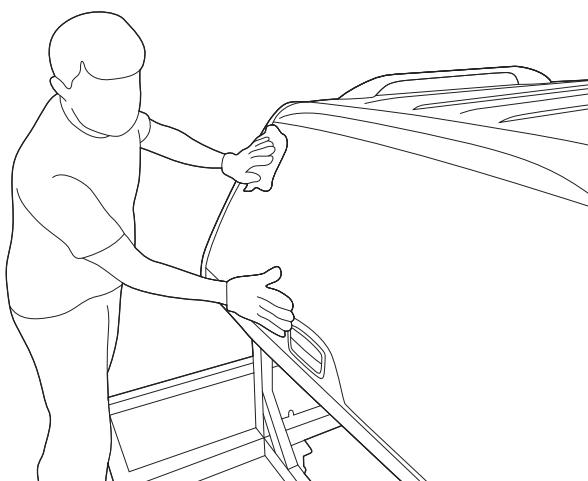


2

The preparation process of Sammitr Canopy

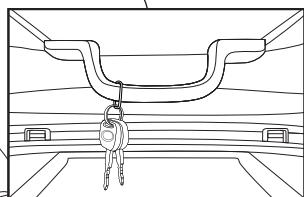
S-Plus V2 model before installation with the vehicle.

1

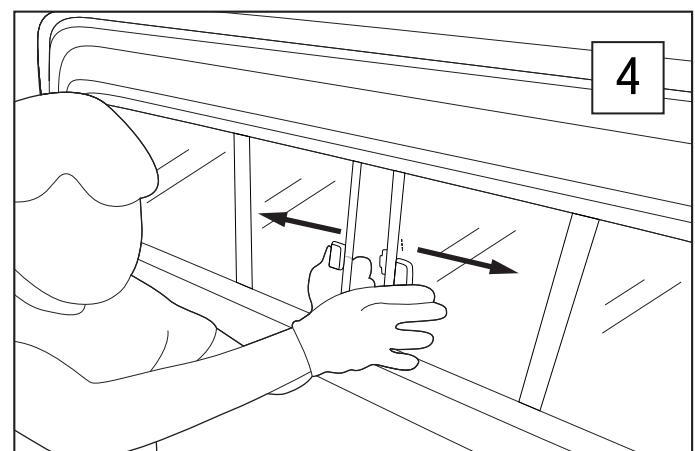


1. Canopy have to be in good condition, no damage, dent, cracks, smooth surface including no window damages or cracks.
2. Locking system is working for both keys.
3. Canopy sides are not damage, dent or cracks.
4. Canopy front window panel is working (open/close), no cracks or damages occurrences.
5.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

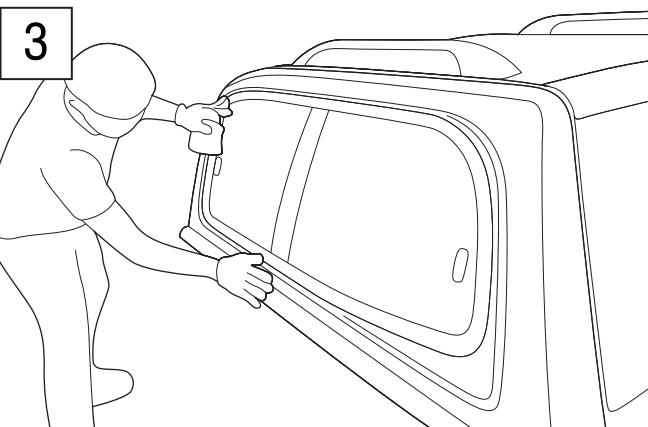
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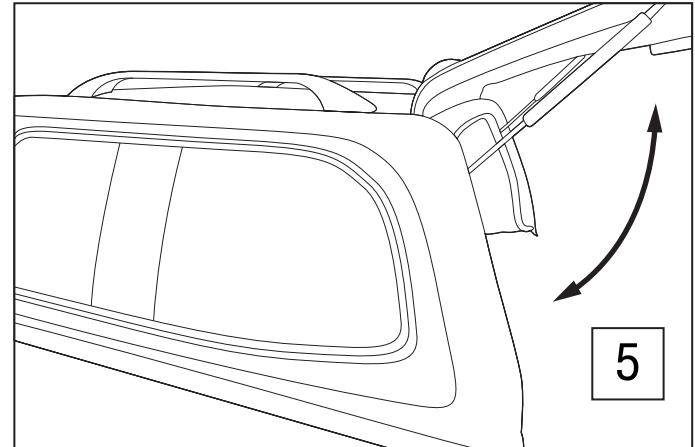
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3



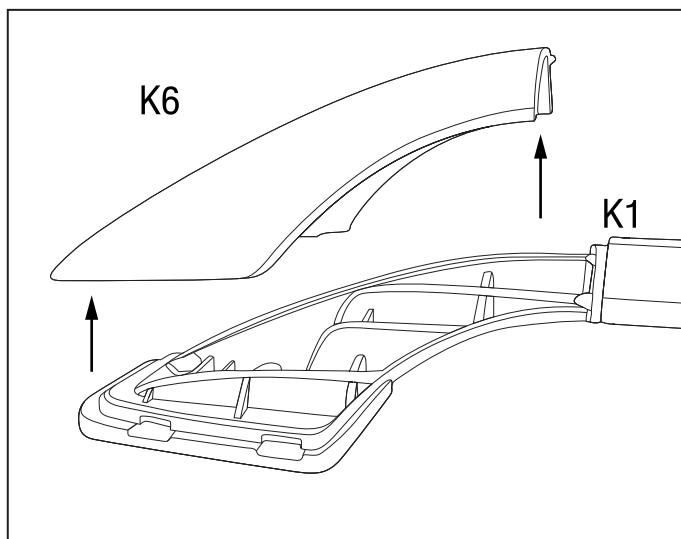
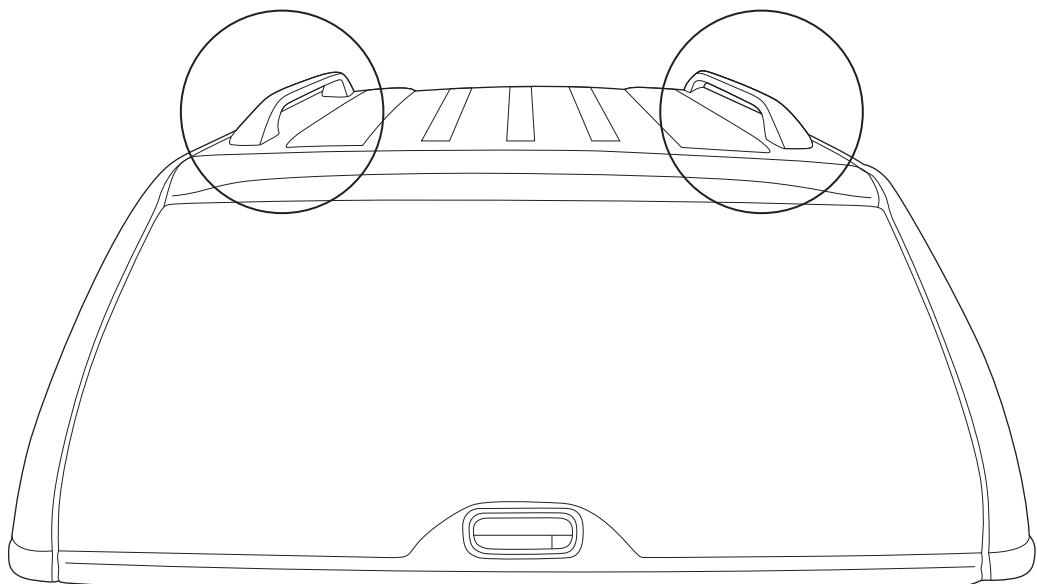
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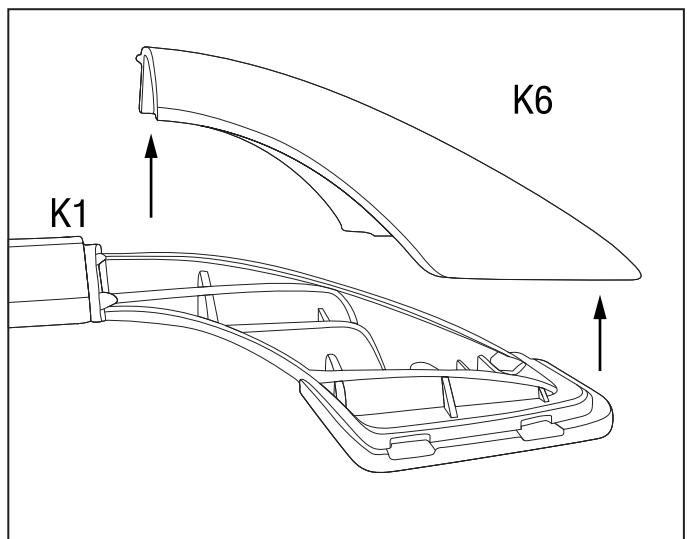


3

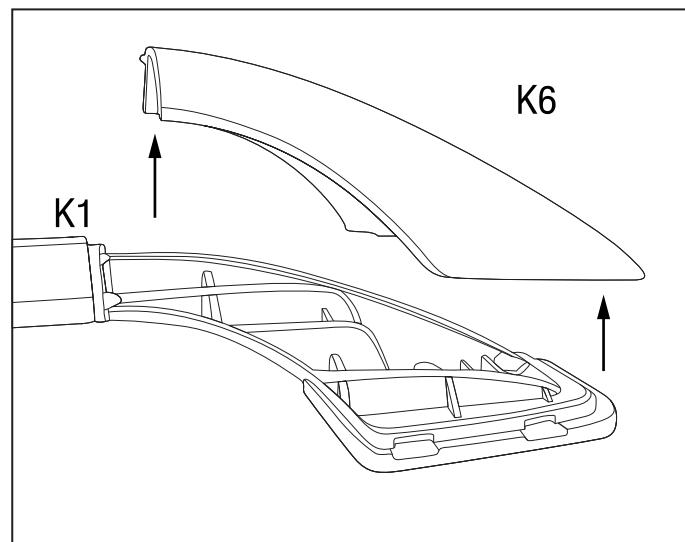
The process of Roof rack installation manual of the S-Plus V2 canopy before installs on the vehicle.



Roof rack Front Part – Rear Left

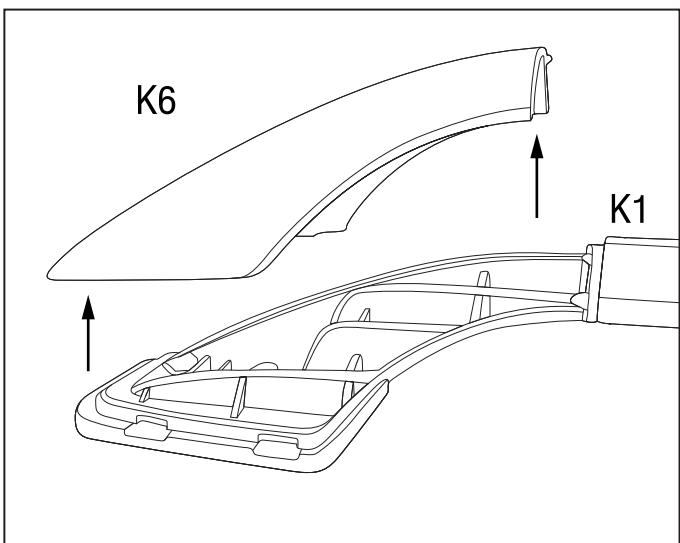


The process of remove the roof rack
cover on the S-Plus V2 canopy in order
to install nuts.



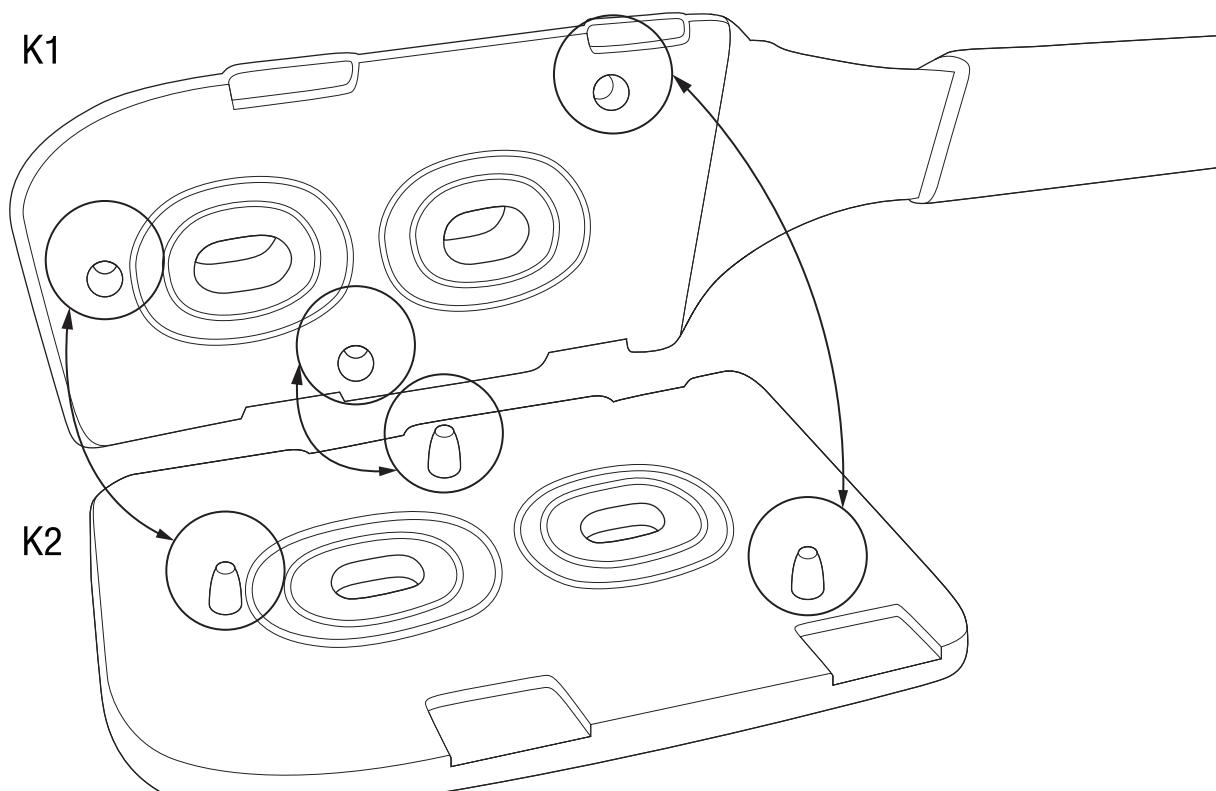
4

Roof rack Front part – Rear Right.



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

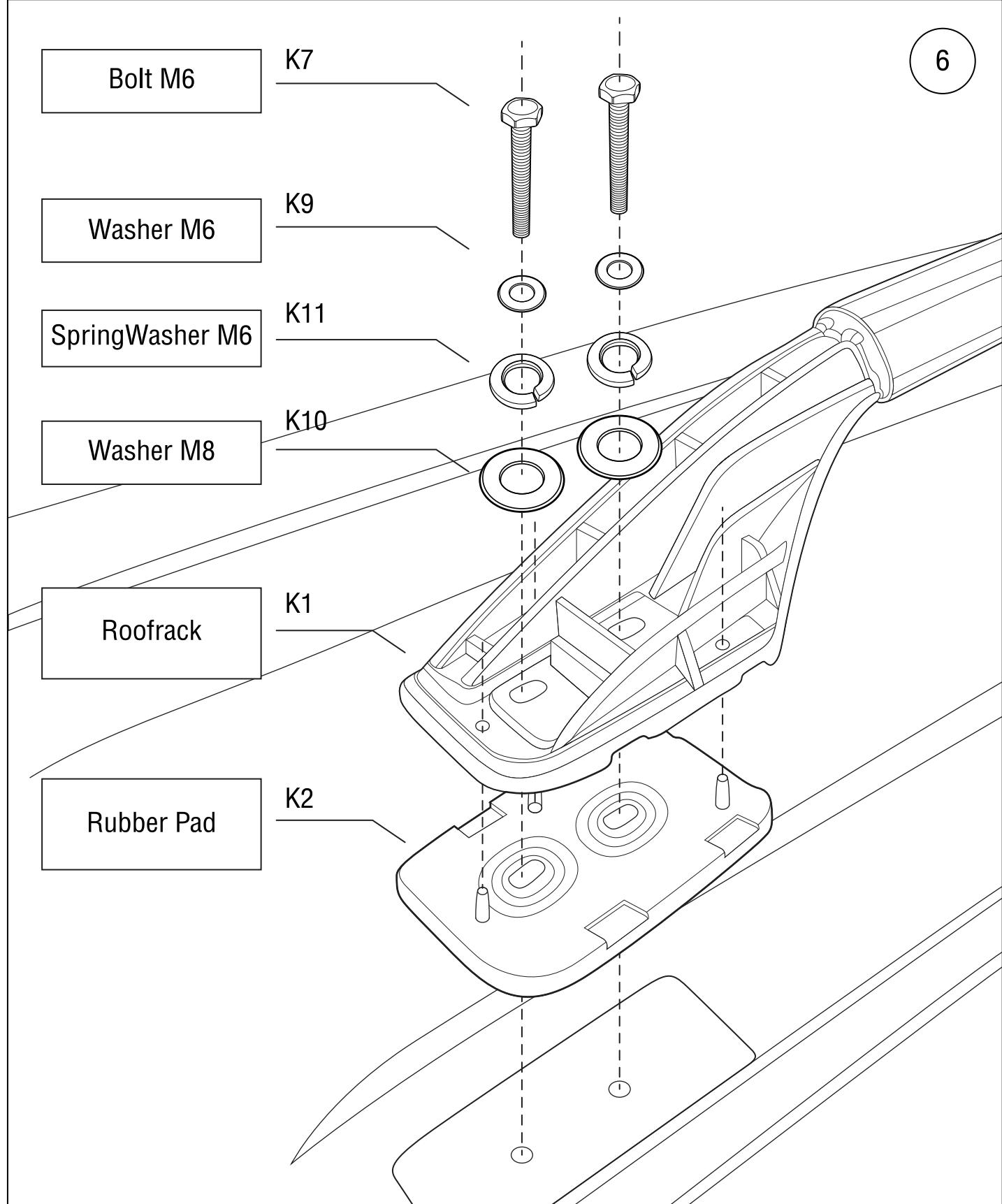
5



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



6



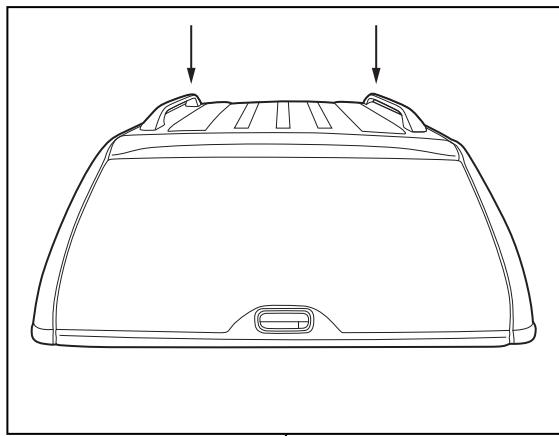
The process/step of install Roof rack accessories on the S-Plus V2 canopy, all 4 points.



7

T3

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



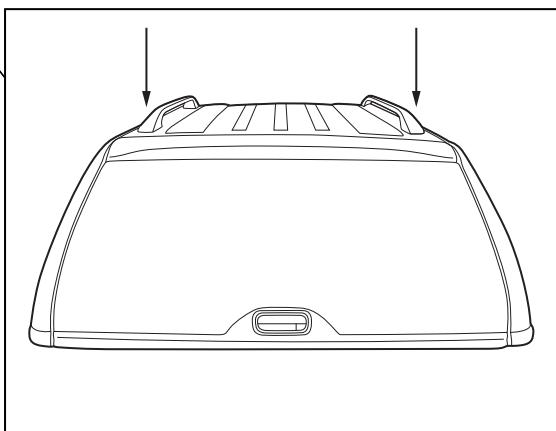
Tightening Roof
Rack bolts at 9 Nm
with the Pound
Wrench.

8

T3

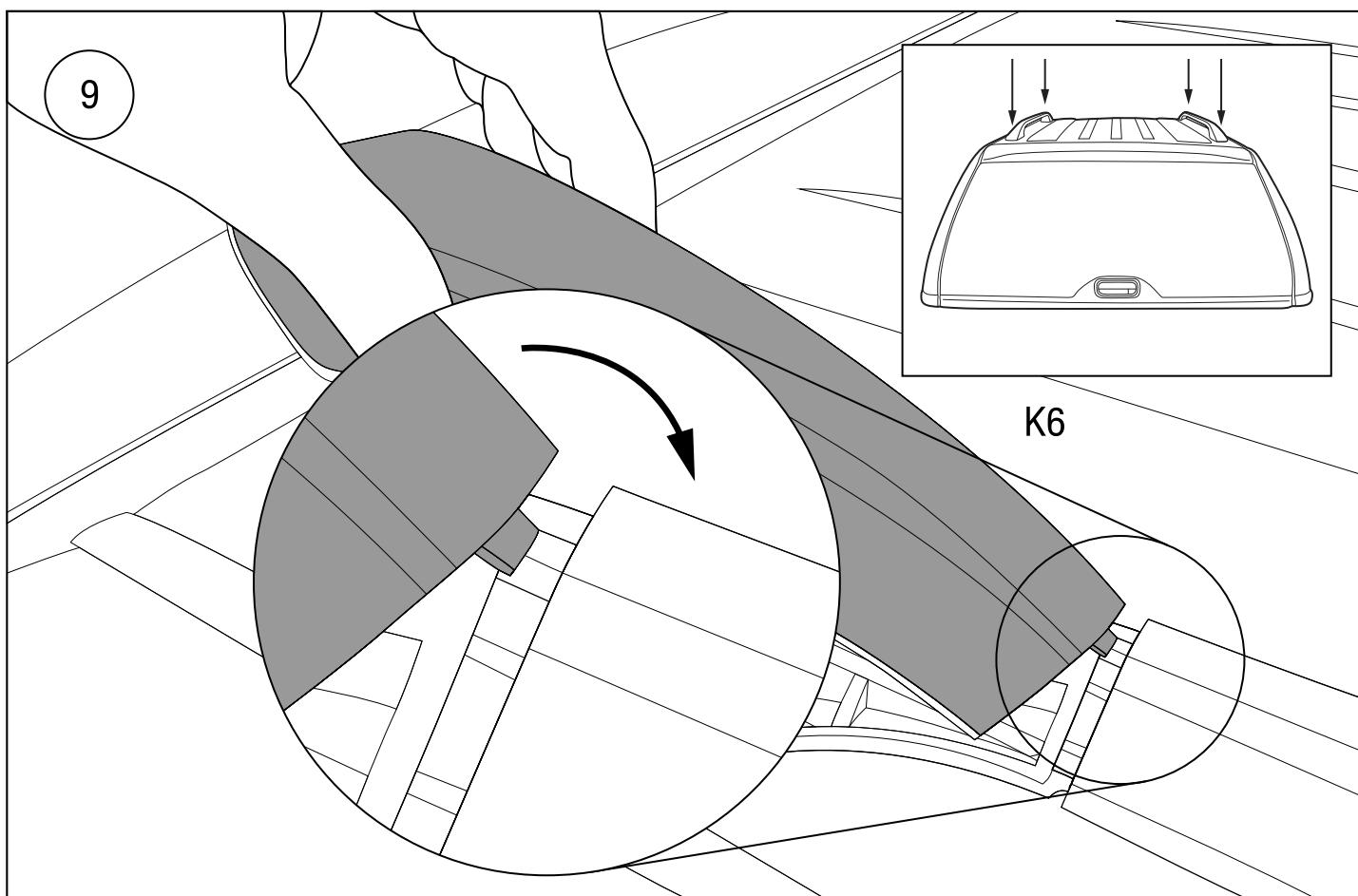
Tighten Roof rack bolts at the Rear part of the canopy.

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

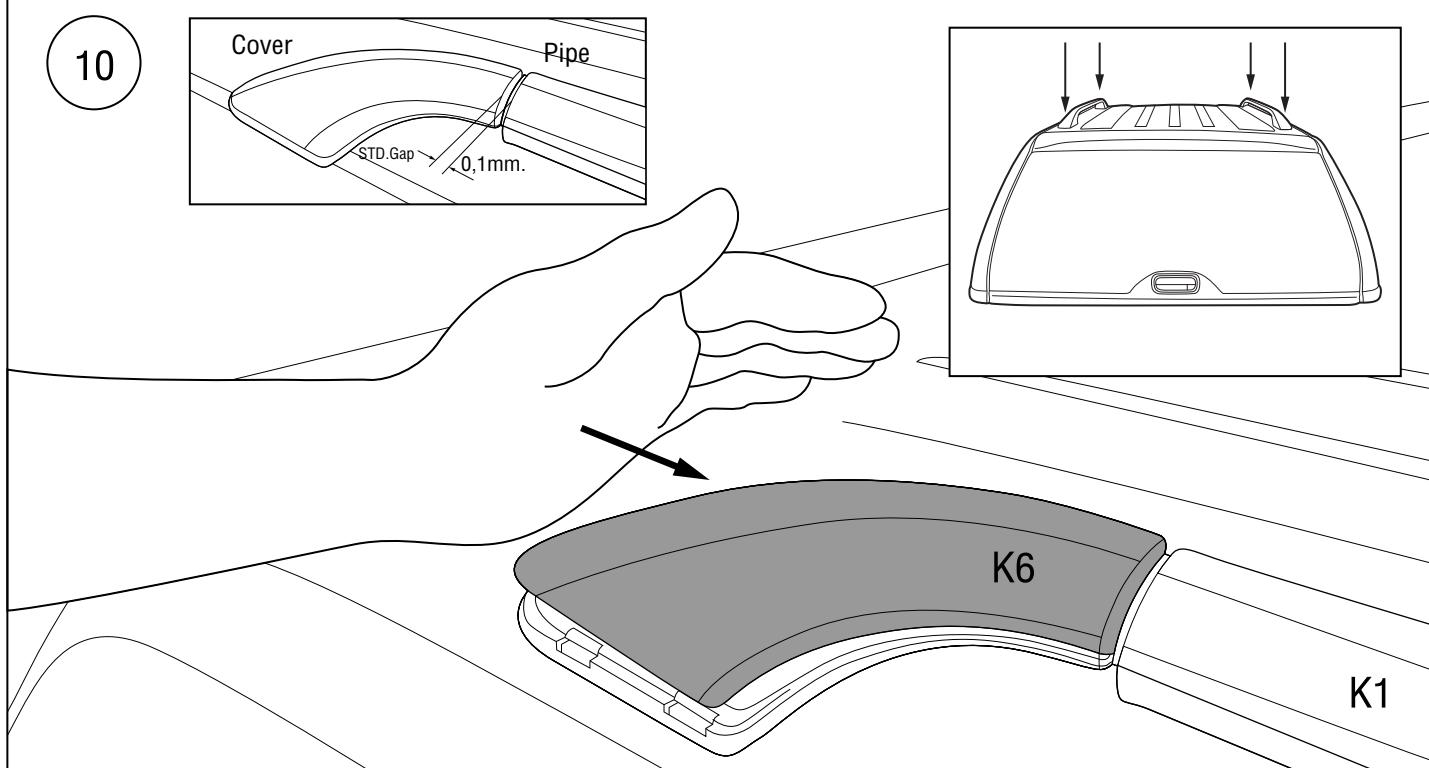




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K6



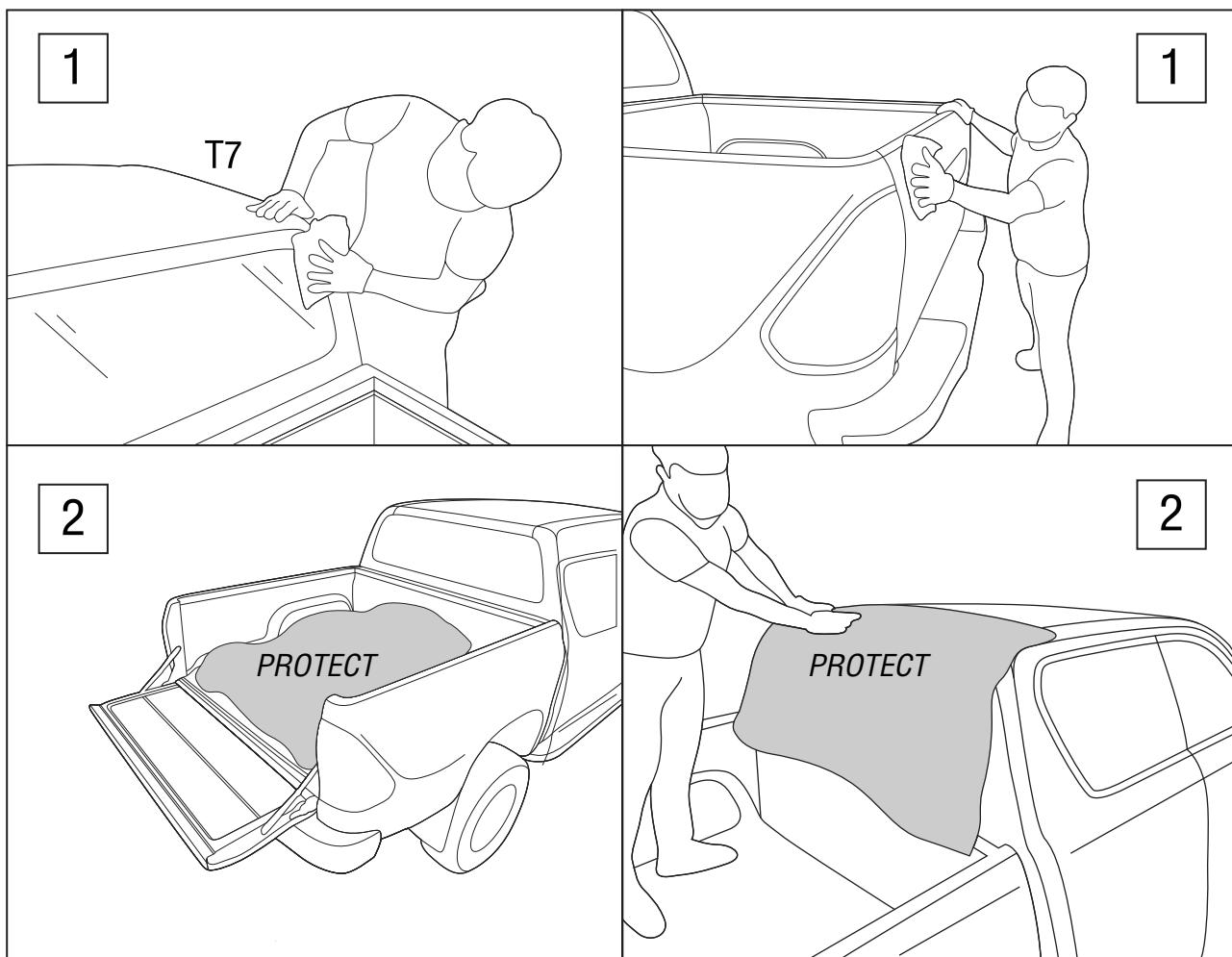
Press and push the Roof rack cover back to the position by hand, then check the gap between cover and roof rack (pipe)



11

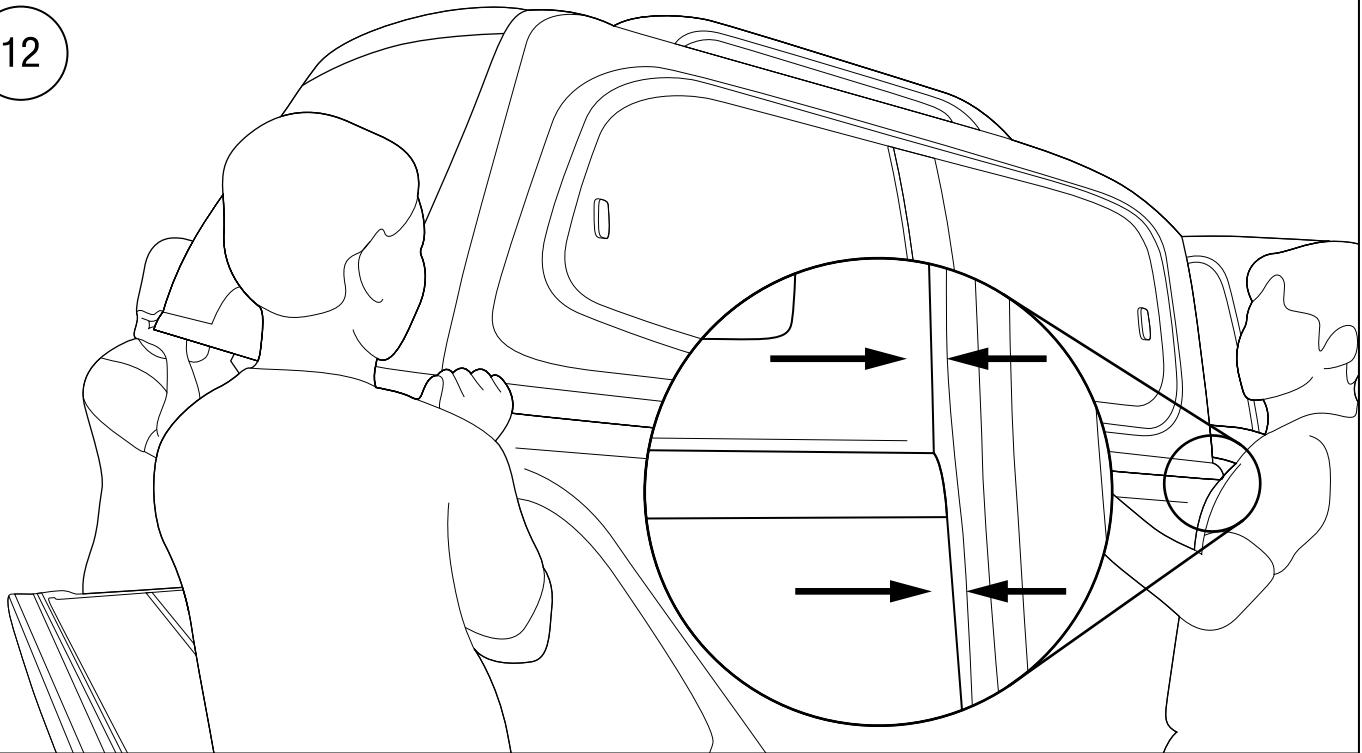
The process of checking and preparing the Great Wall Canon vehicle before install the canopy

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



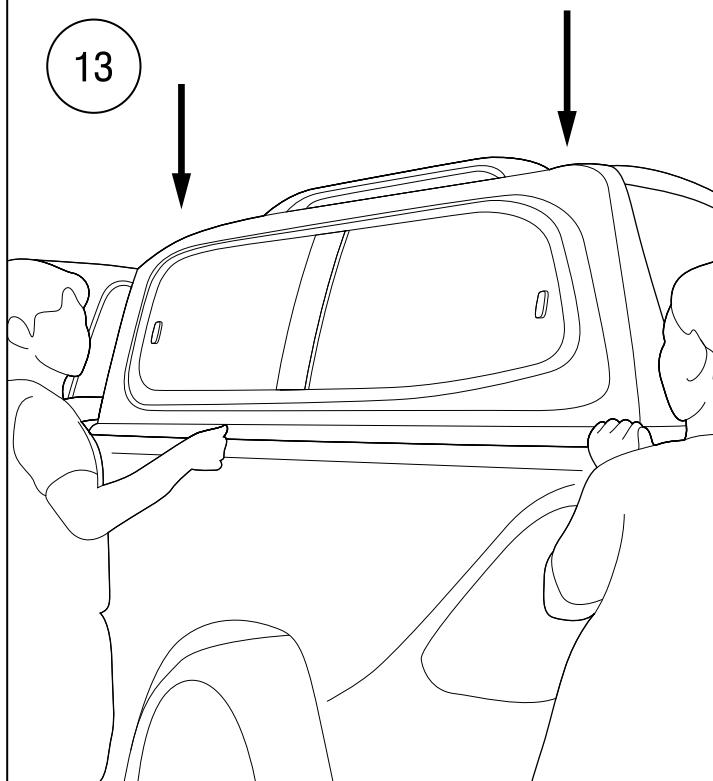


12

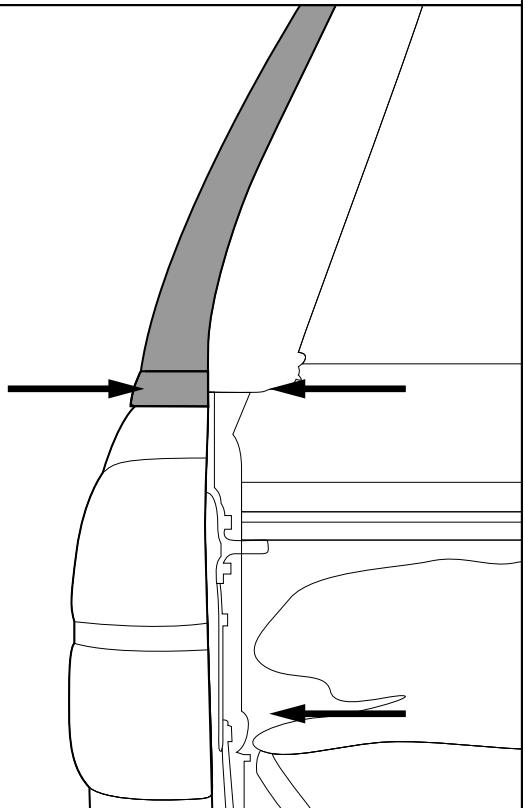


Lift canopy over the pick up truck by rising the rear higher and front part to be in the parallel with the edge of the vehicle tub.

13



14



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

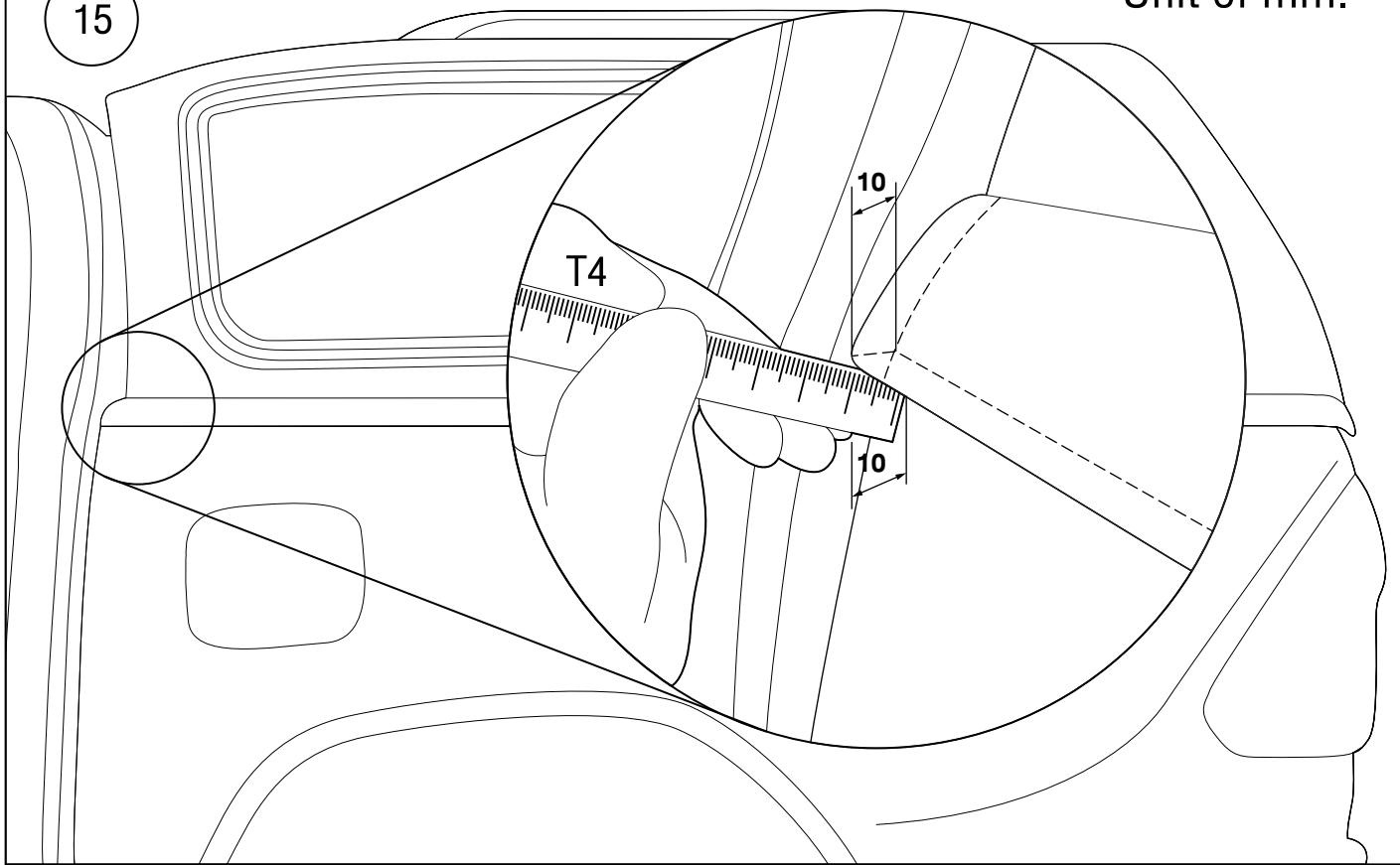
Make sure the the distance between canopy edge and vehicle rear tub are equivalent both left and right sides.



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15

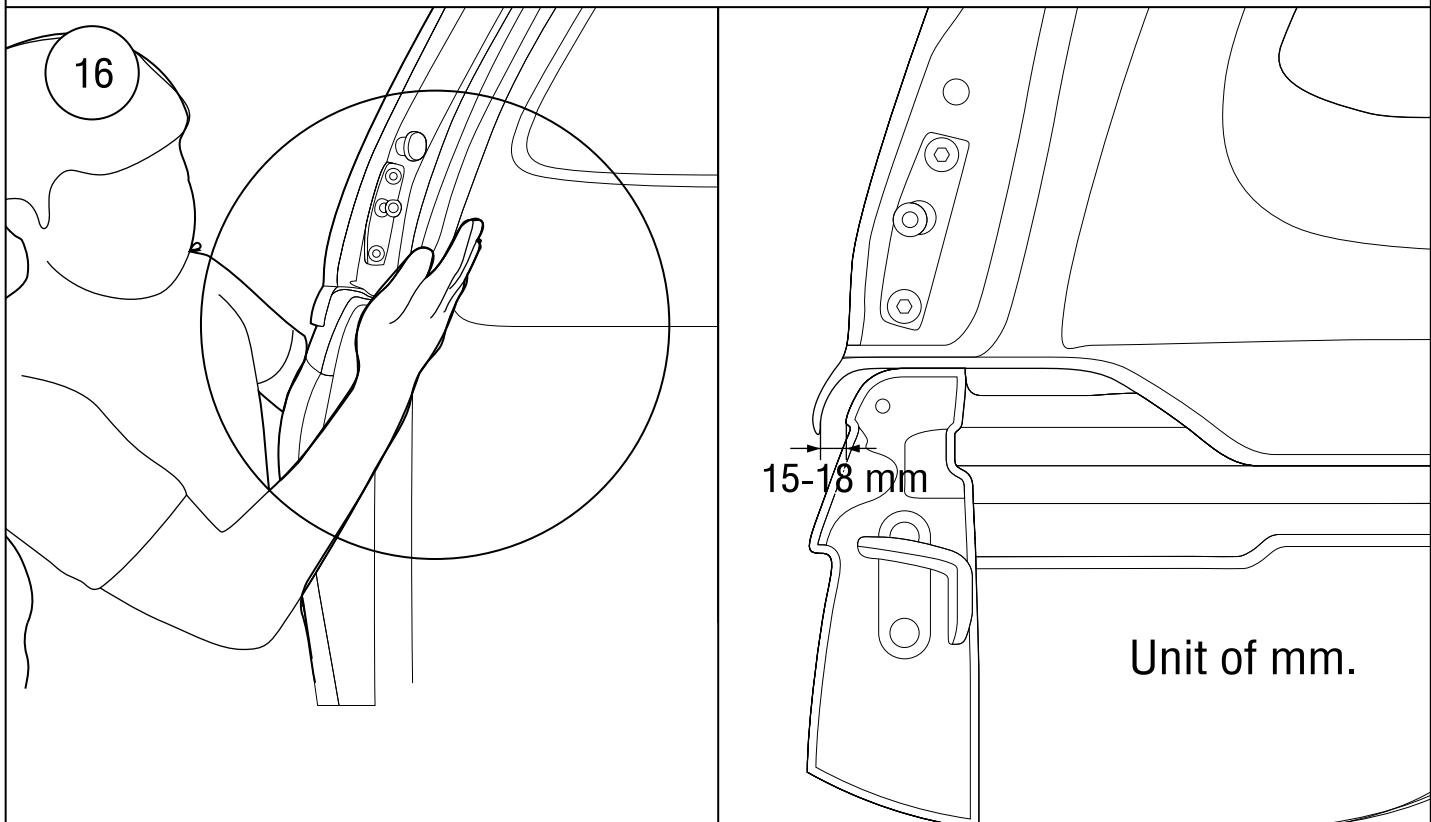
Unit of mm.



Measure the distance between canopy cover rail and the vehicle, to have the
15-18 mm distance in overall

16

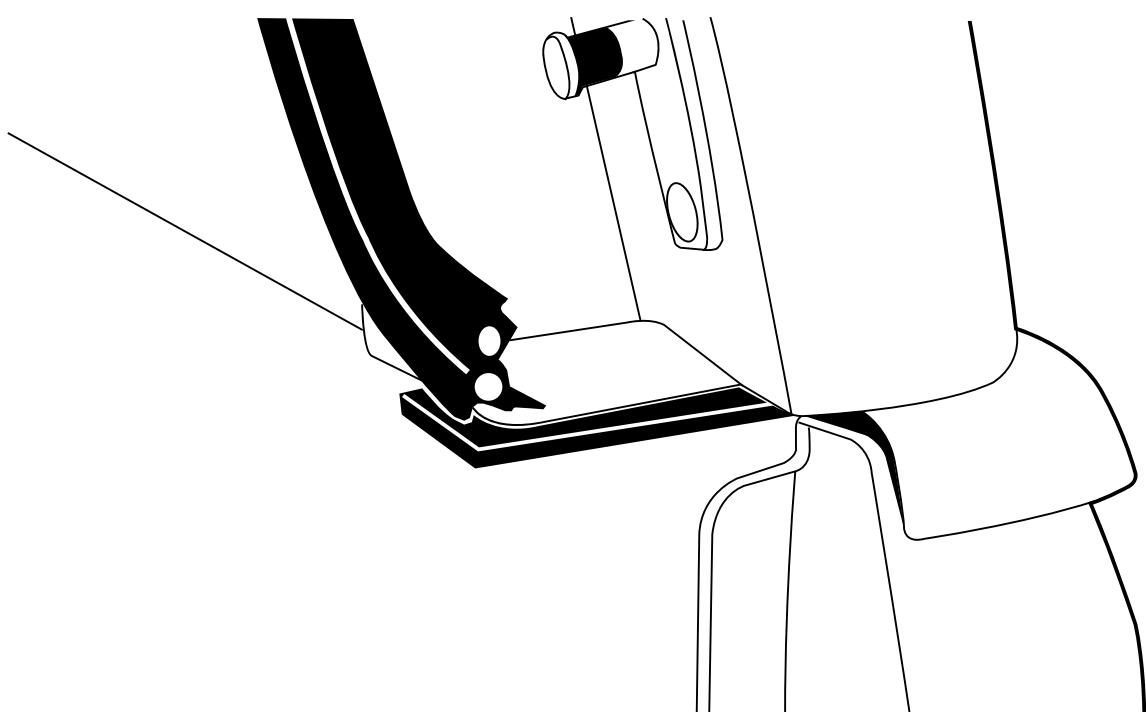
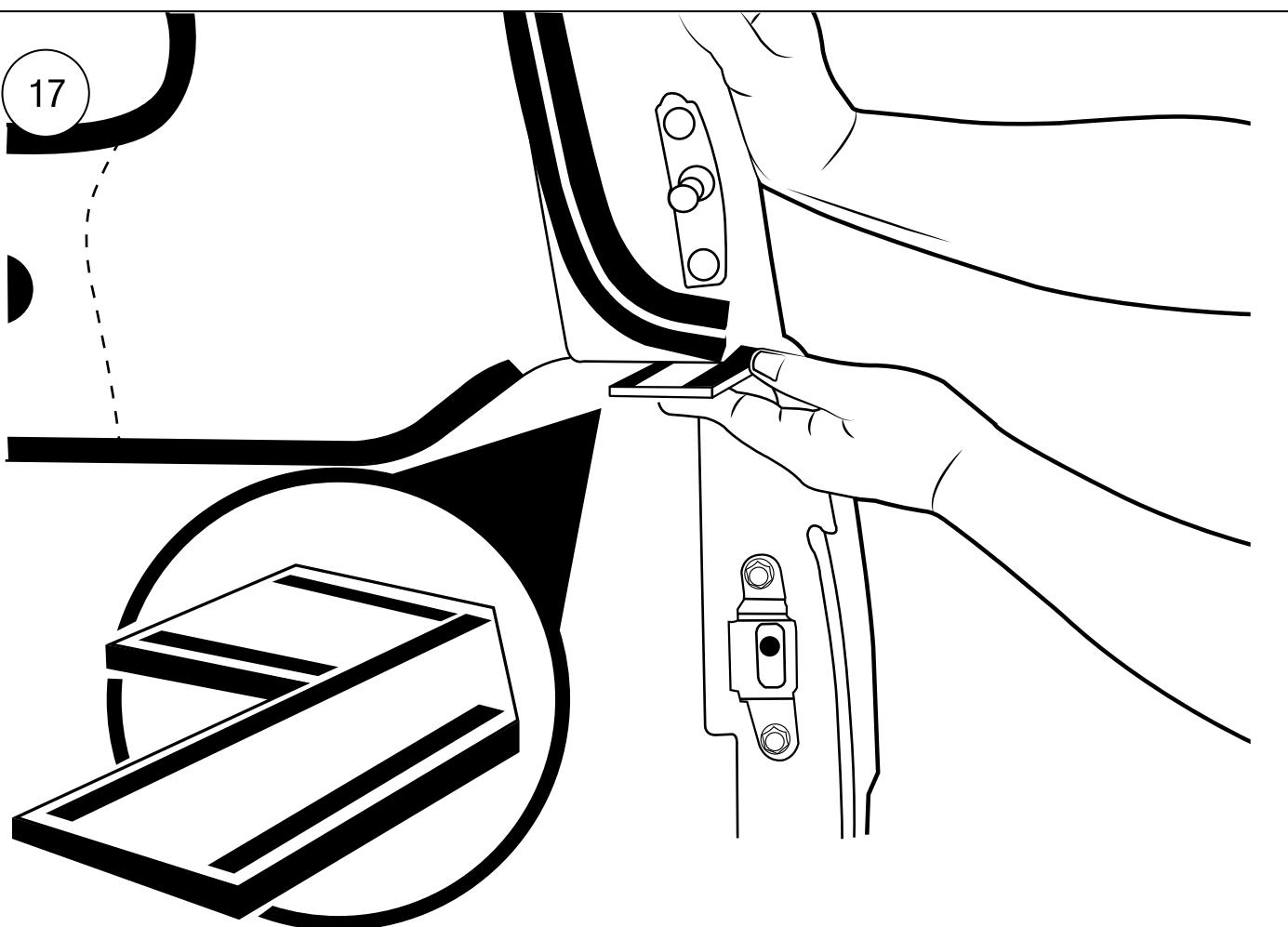
Unit of mm.





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17

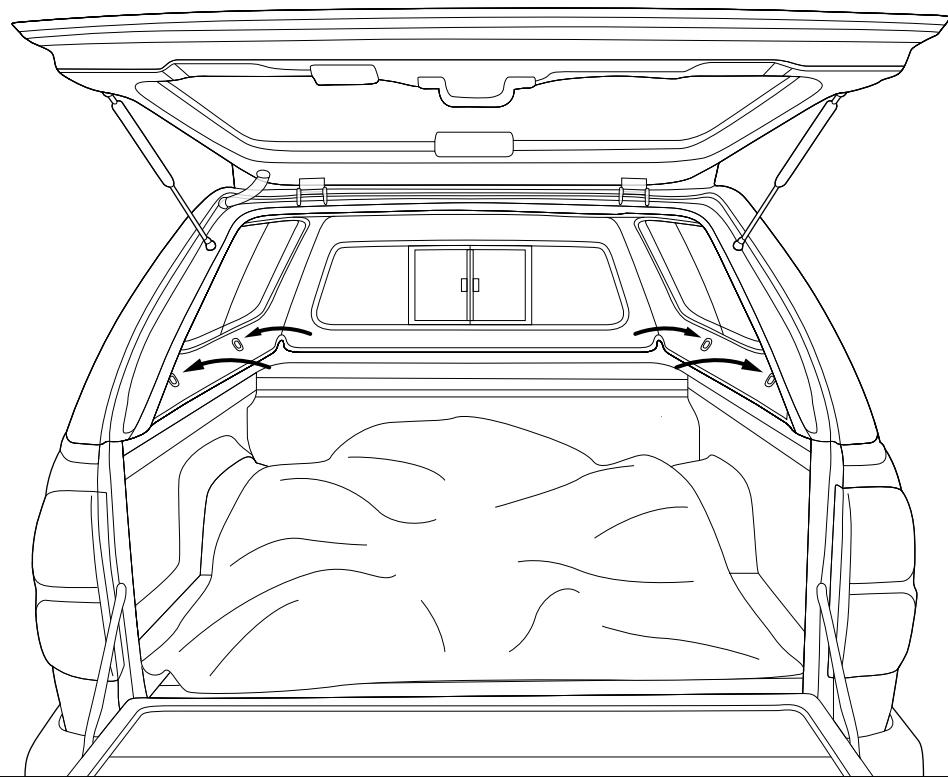


install Rubber PAD Support Roof RH/LH



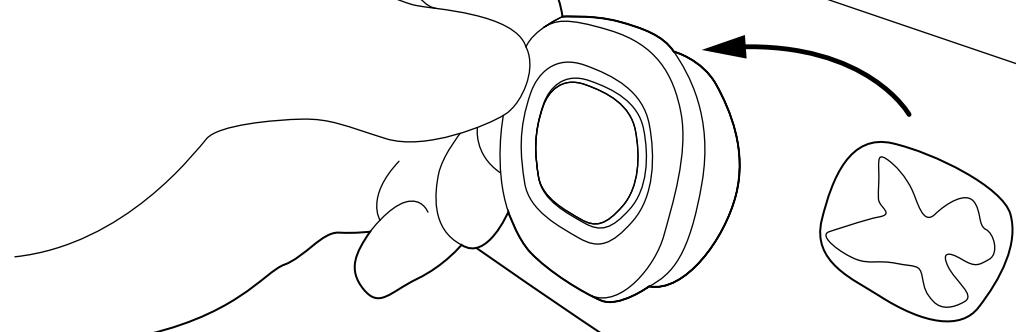
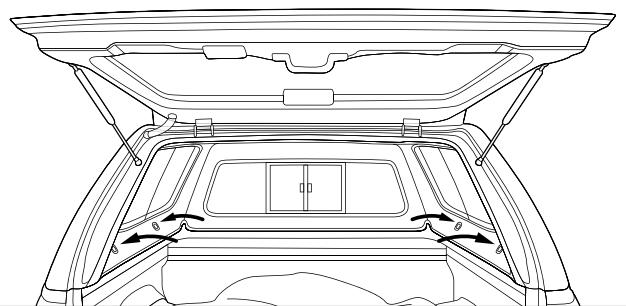
18

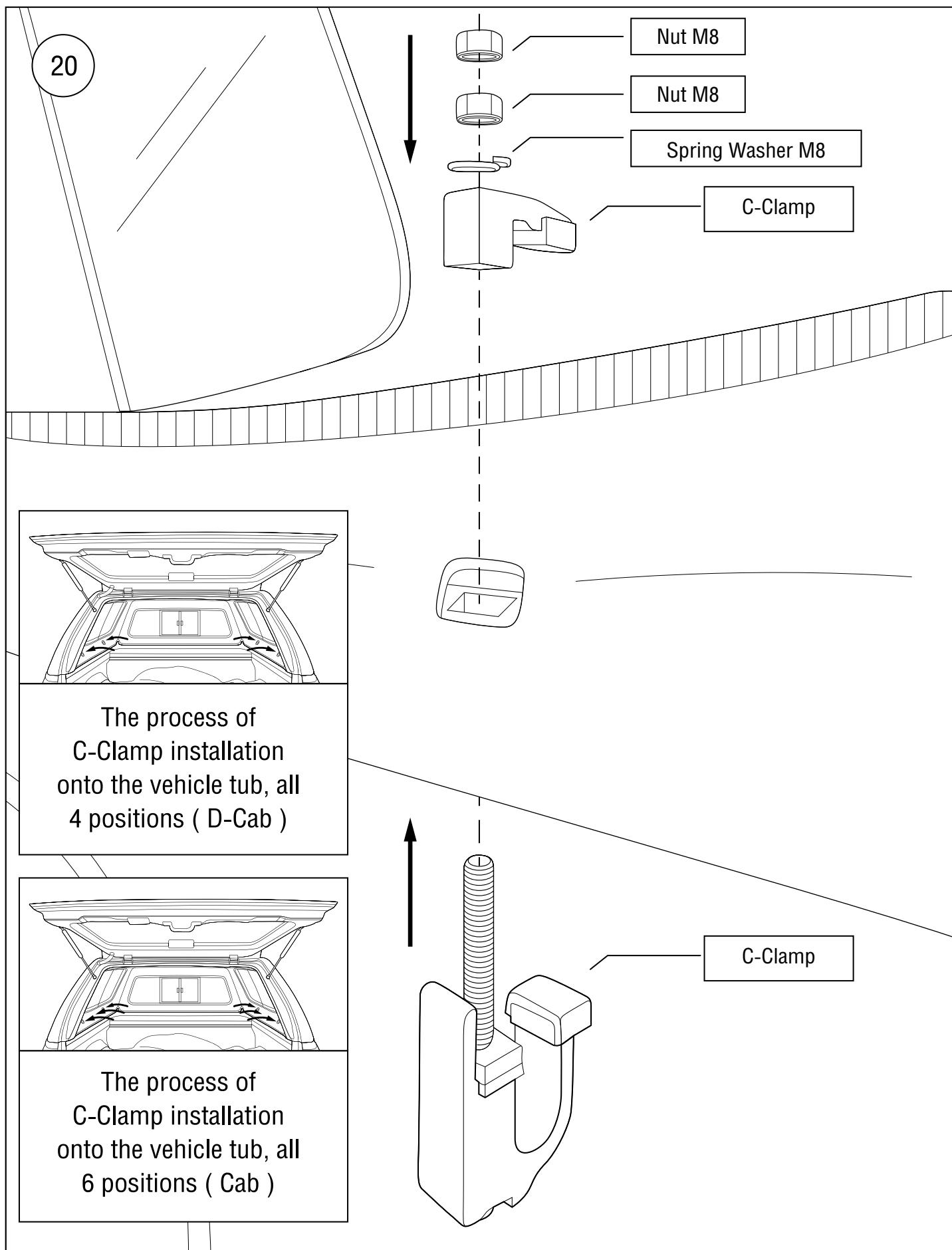
The process of C-Clamp installation S-Plus V2 canopy model with the vehicle



19

Open / take off the rubber plug

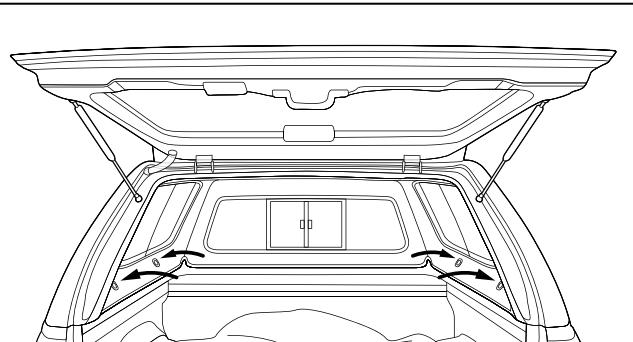






20.1

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

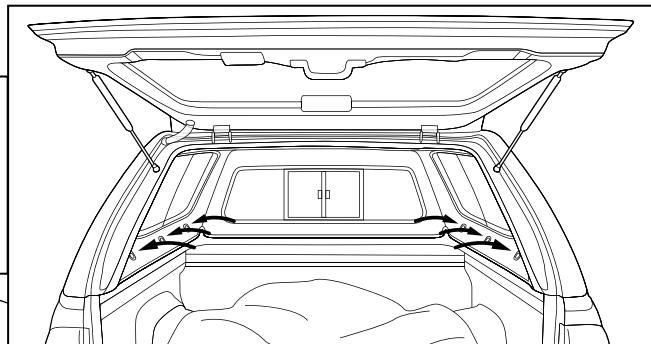
D-Cab

Steps of canopy C-Clamp bolts tightening onto vehicle



21.1

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

21.2

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

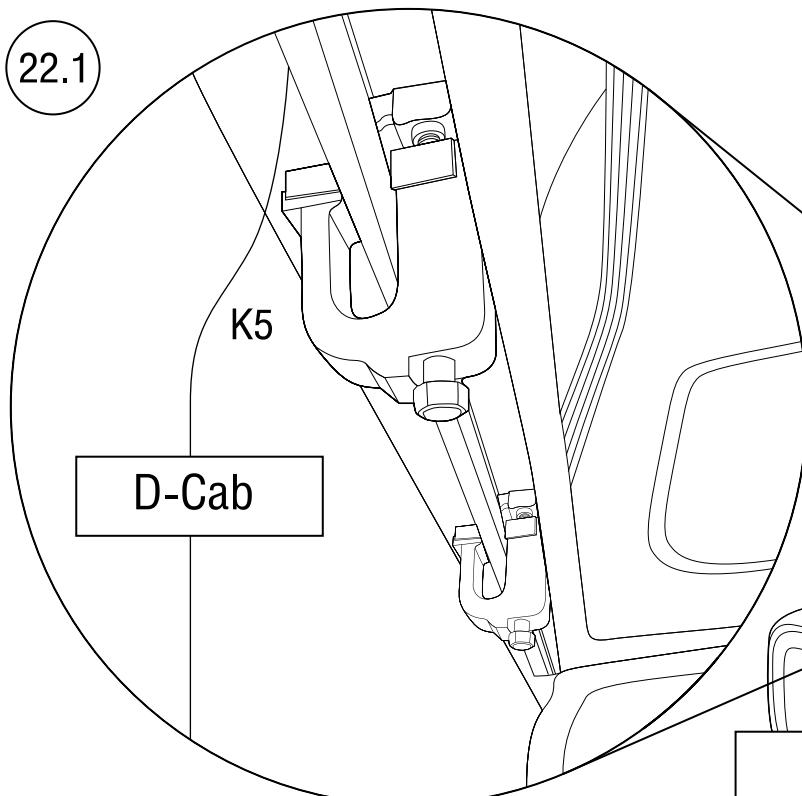
C-Cab

Steps of canopy C-Clamp bolts tightening onto vehicle



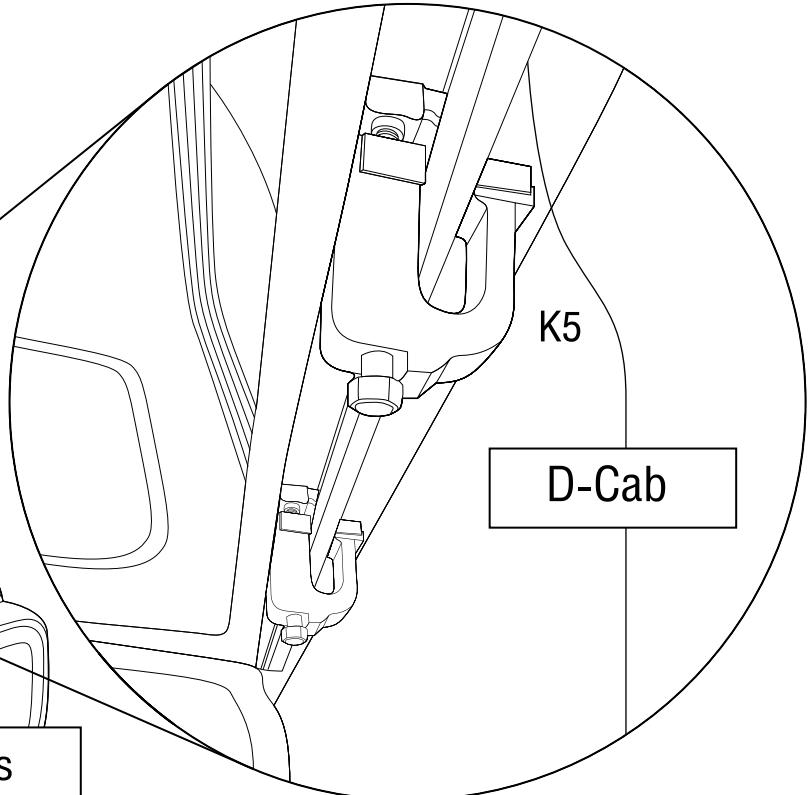
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22.1



C-Clamp mounting positions
onto vehicle (Left)

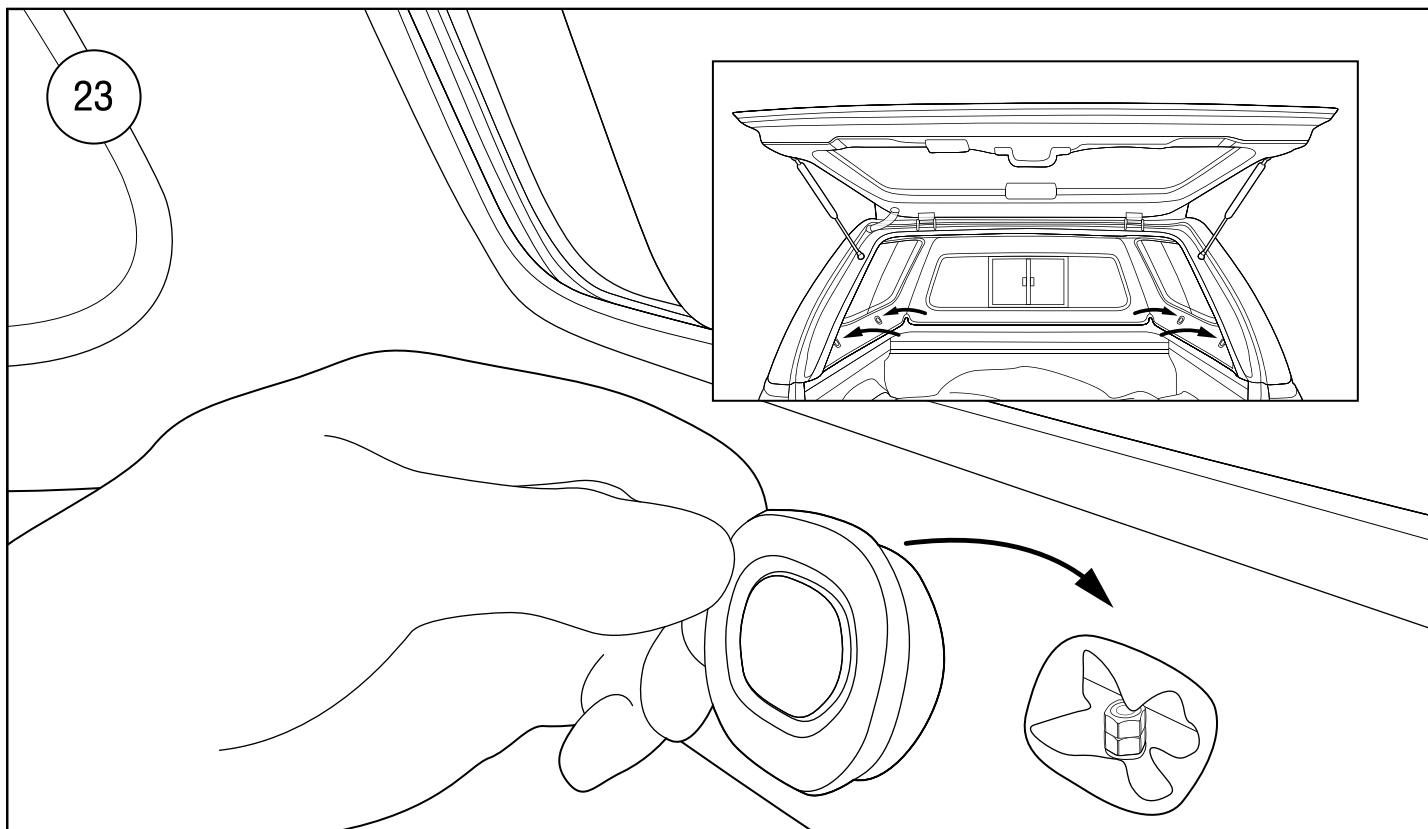
22.2



C-Clamp mounting positions
onto vehicle (Right)

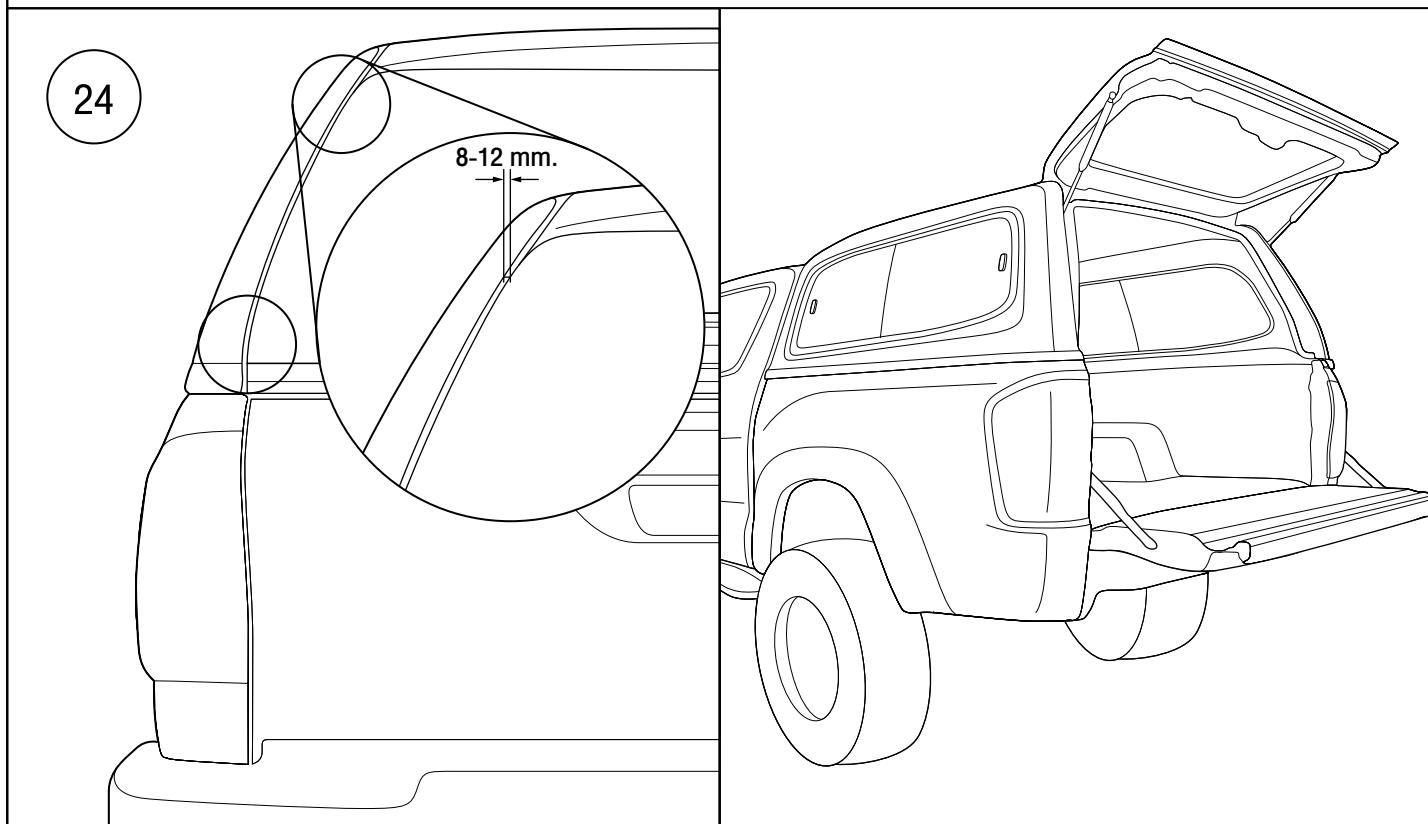


23



Close the rubber plug

24



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

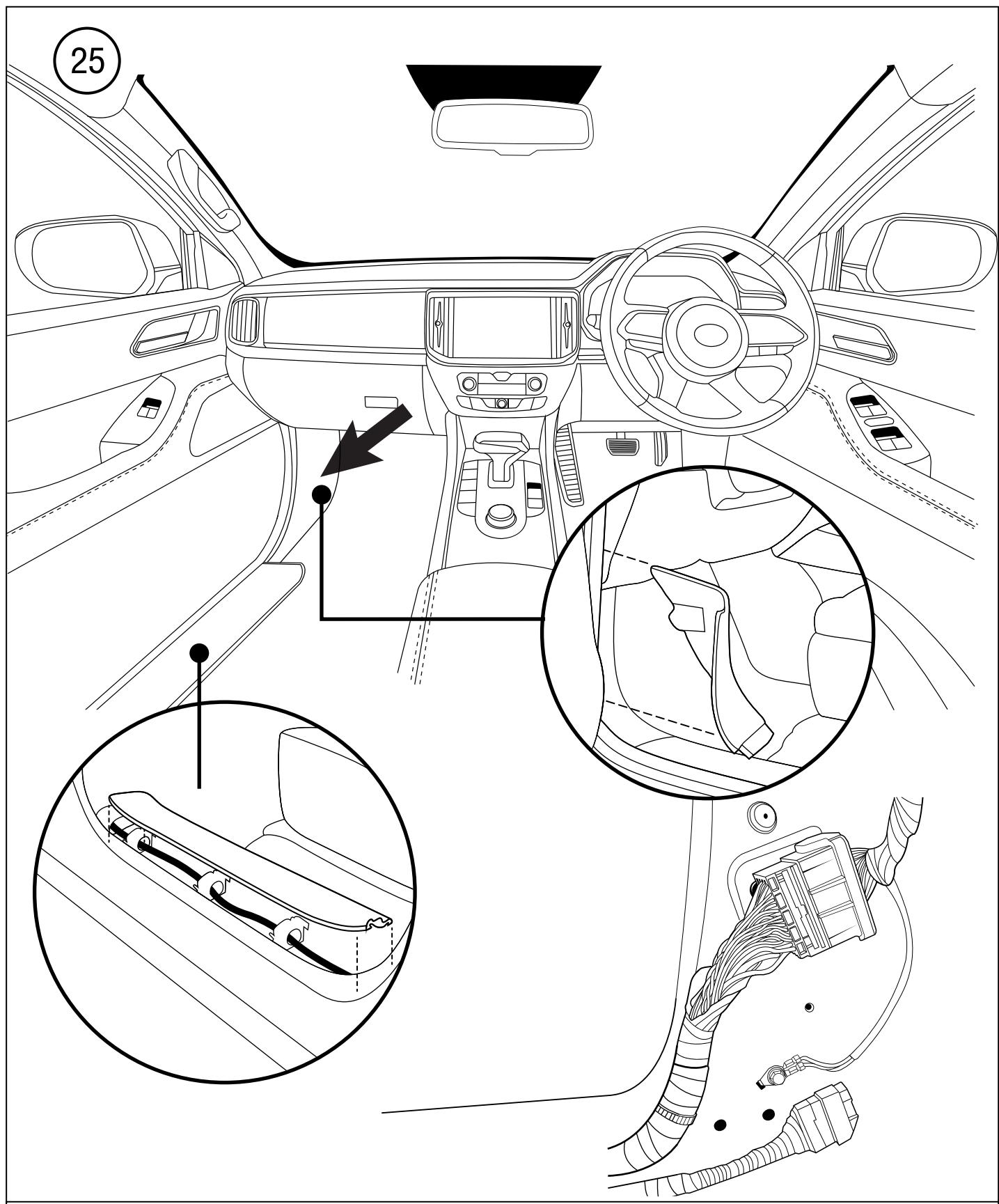


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Electrical Installation



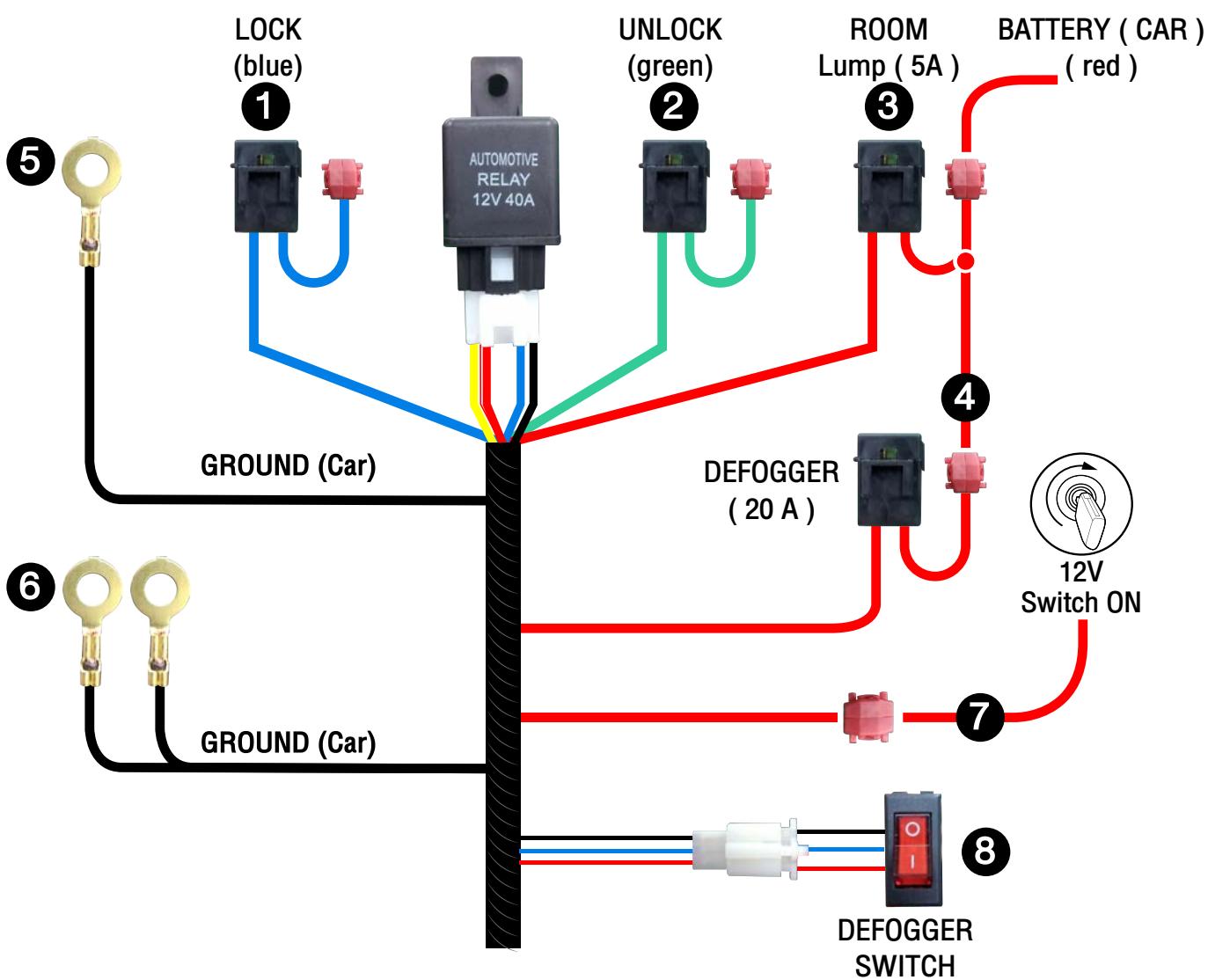
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Take off the Wiring Cover at the driver side in order to check the wiring position.



26



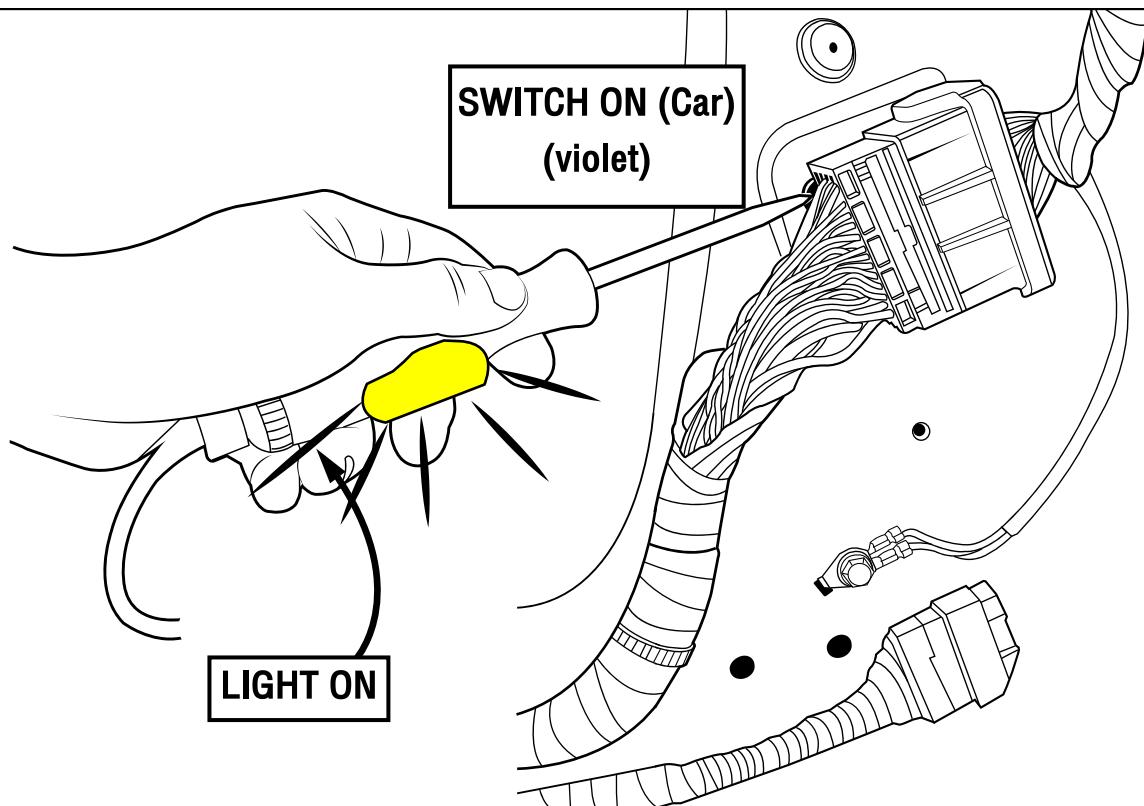
Harness Central Lock No.51



27

SWITCH ON (Car)
(violet)

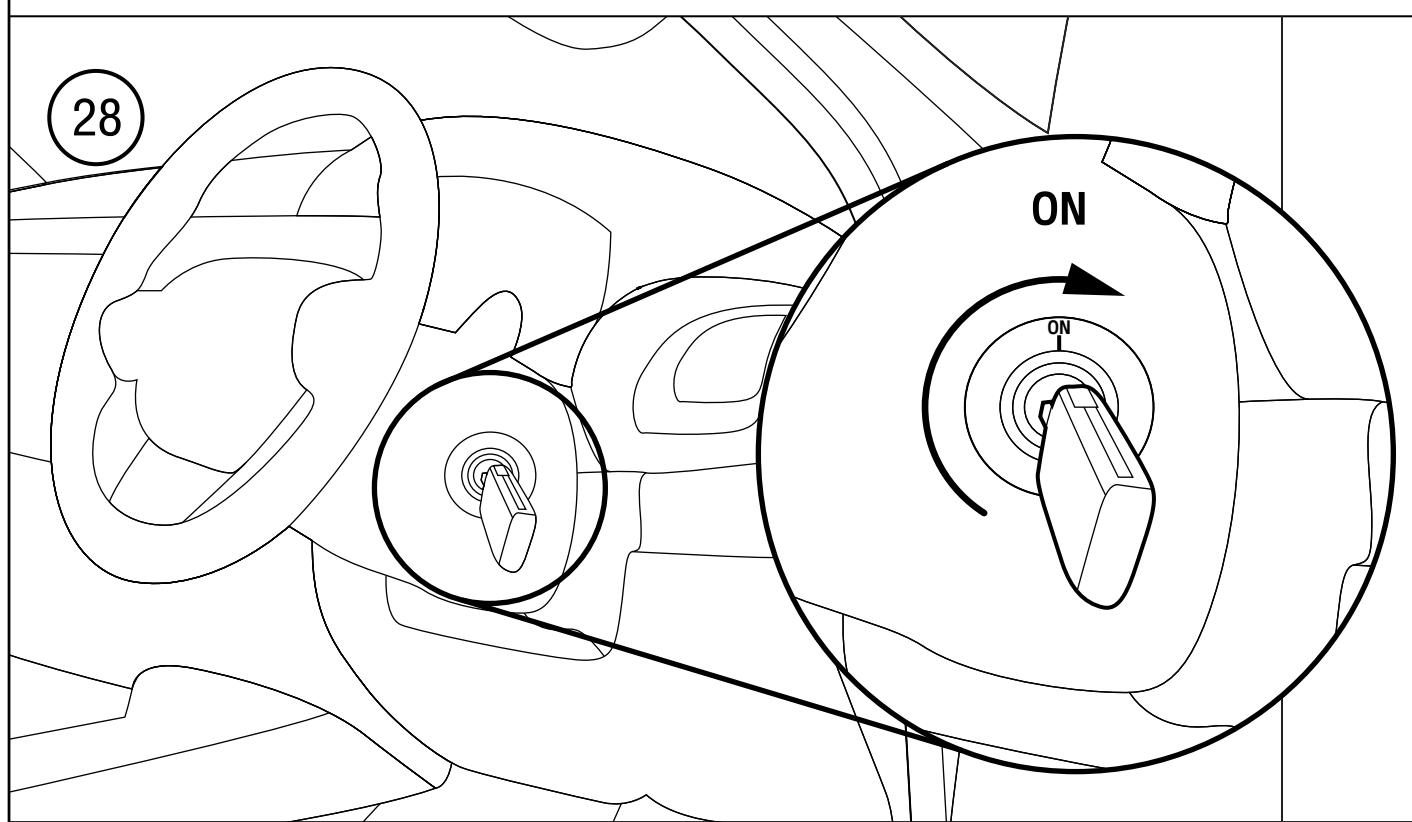
LIGHT ON



Find the Switch ON by twist the key and use the Circuit Tester to check

28

ON

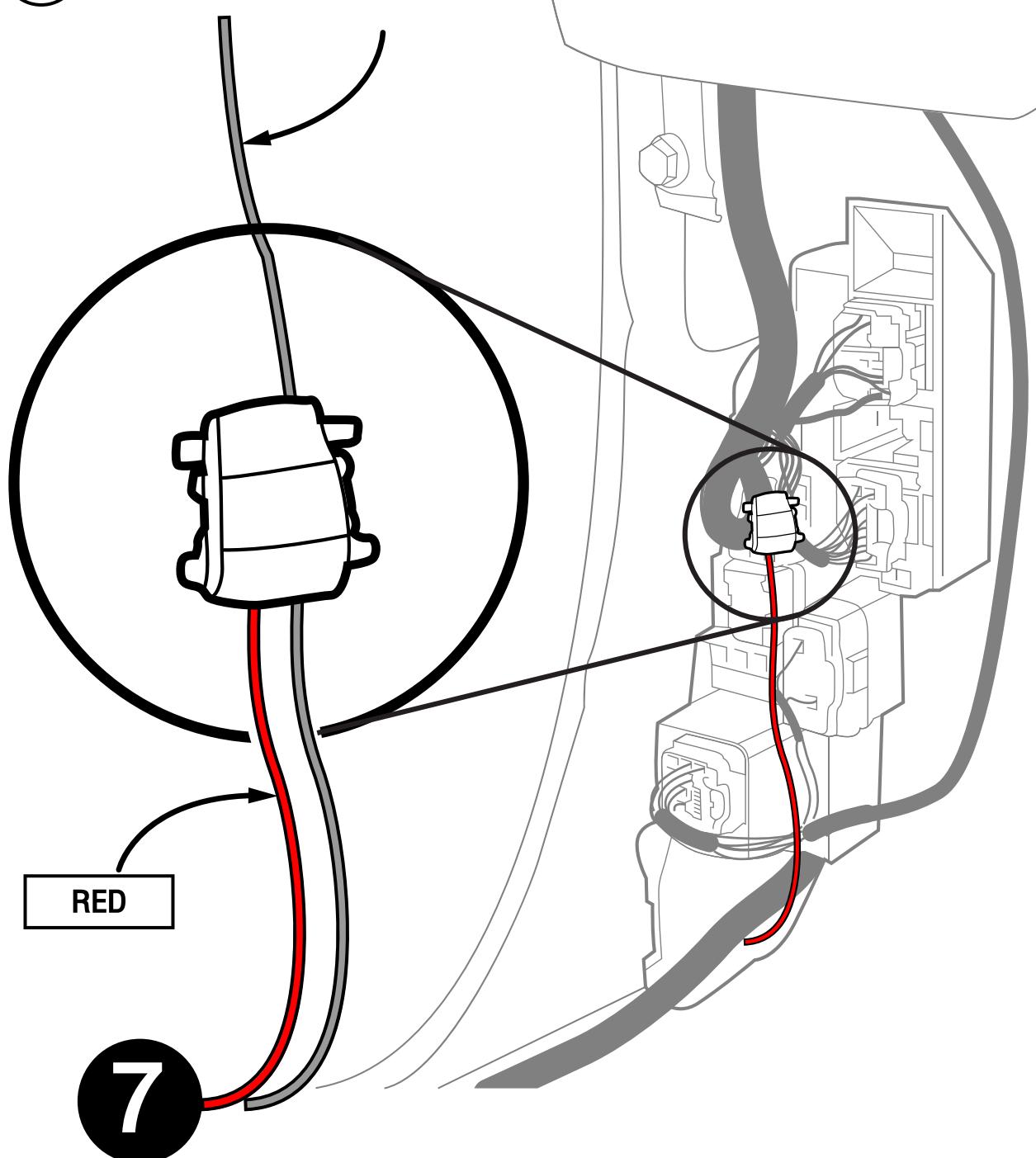


Step of checking Switch on position, begin with turning the key to ON position.



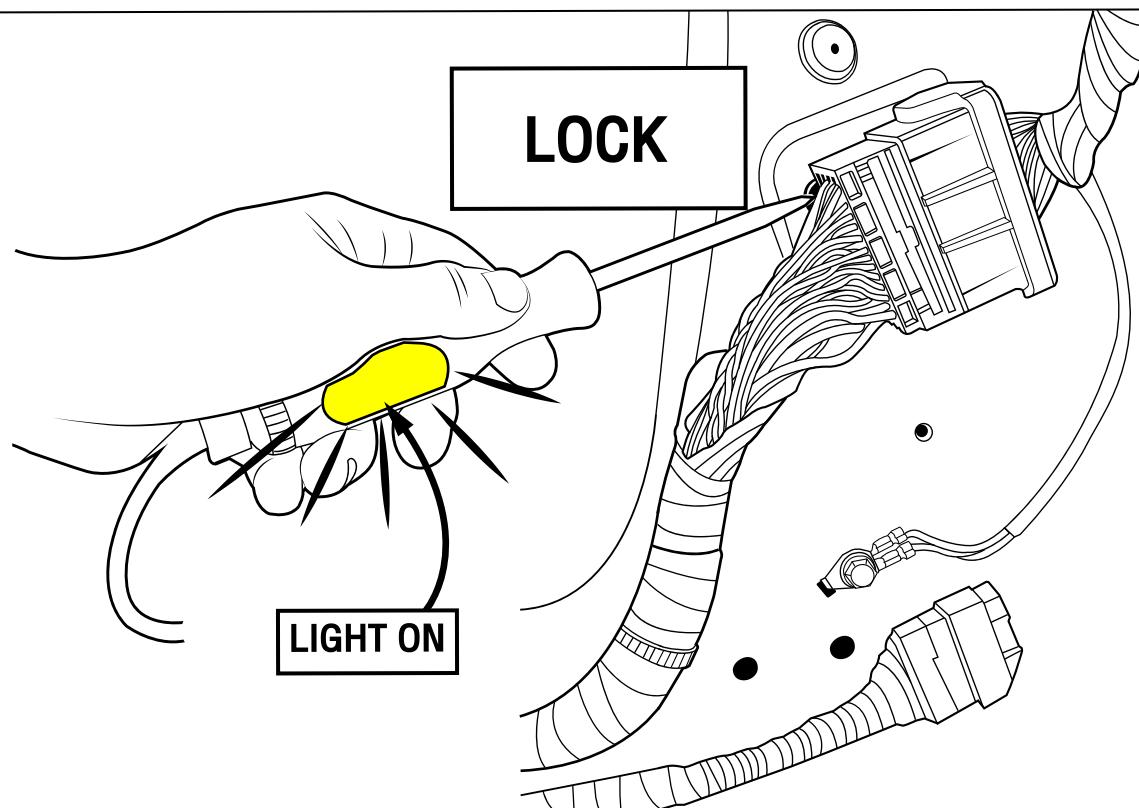
29

WIRING SWITCH ON





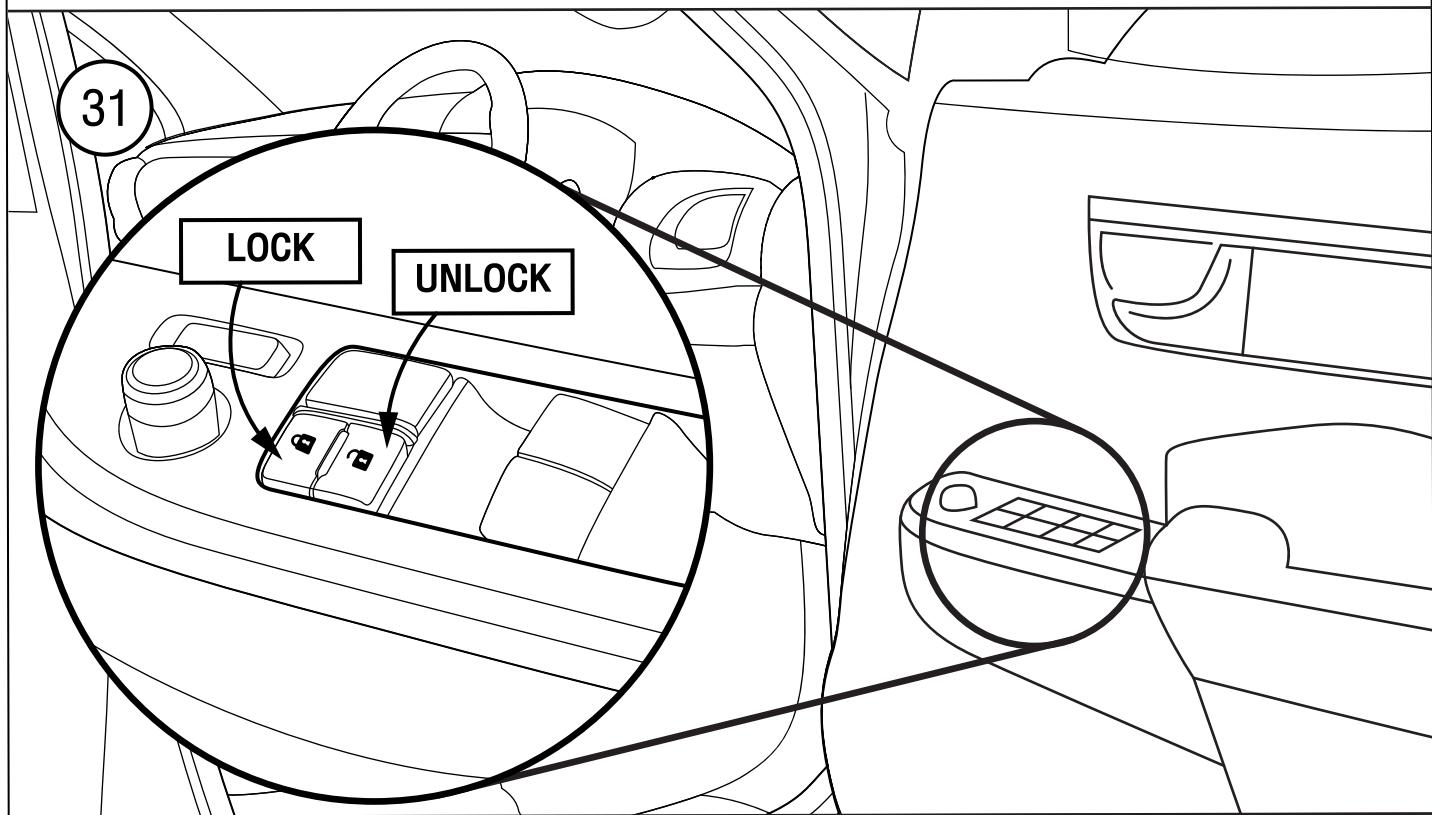
30



Find the Lock Wiring by push the Central Lock and use the Circuit Tester to check

31

LOCK UNLOCK



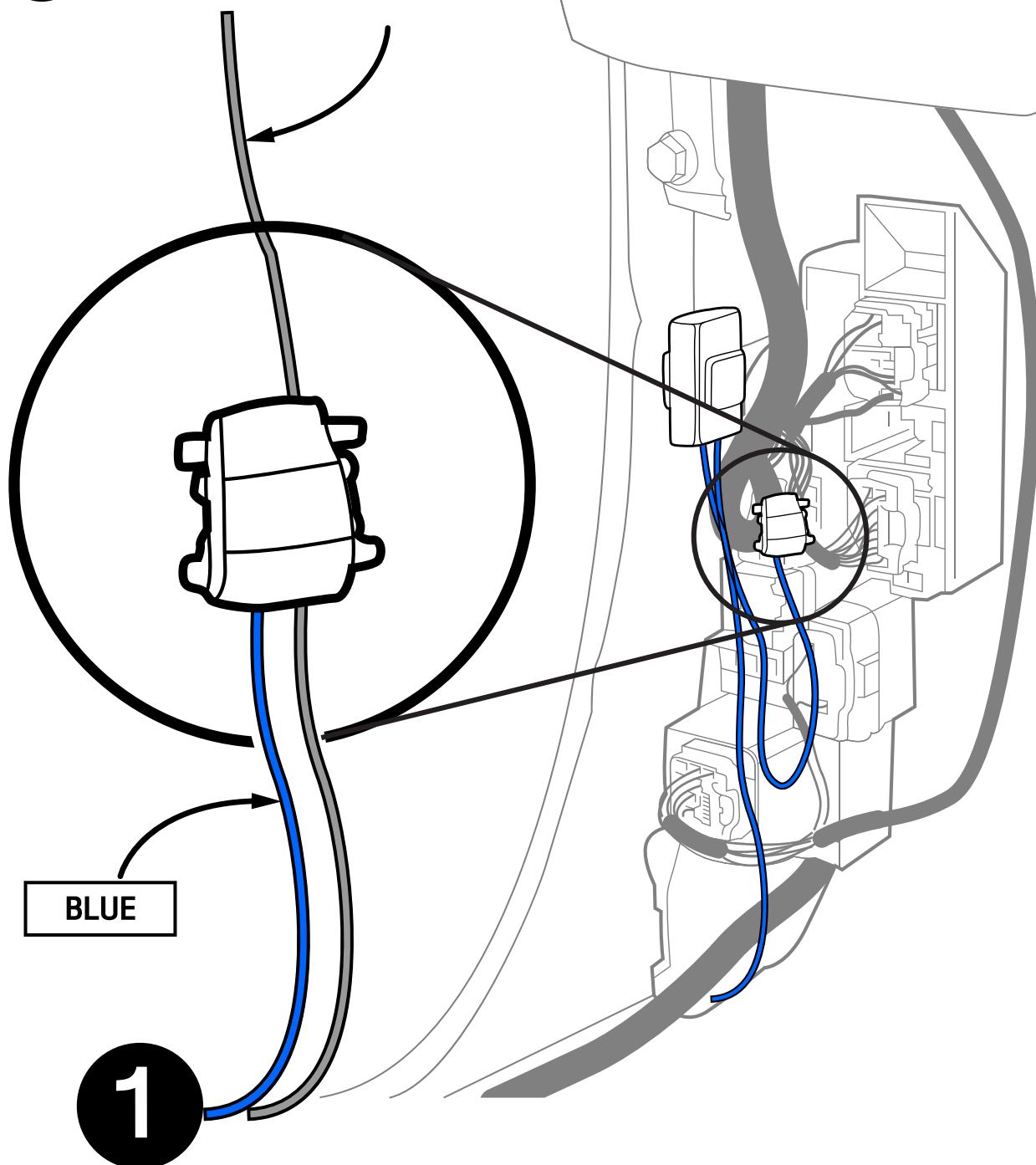
Step of Checking the light of the Central Lock (Lock), begin with push the UnLock button at the door panel.



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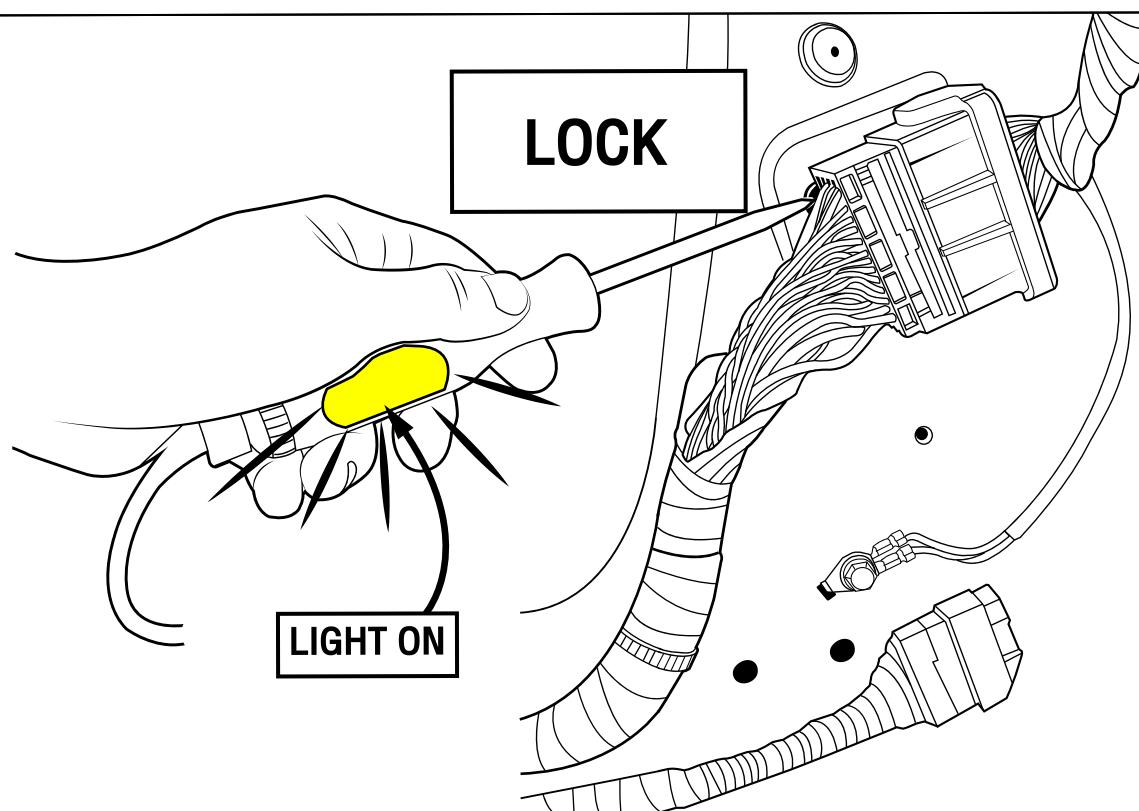
32

WIRING LOCK





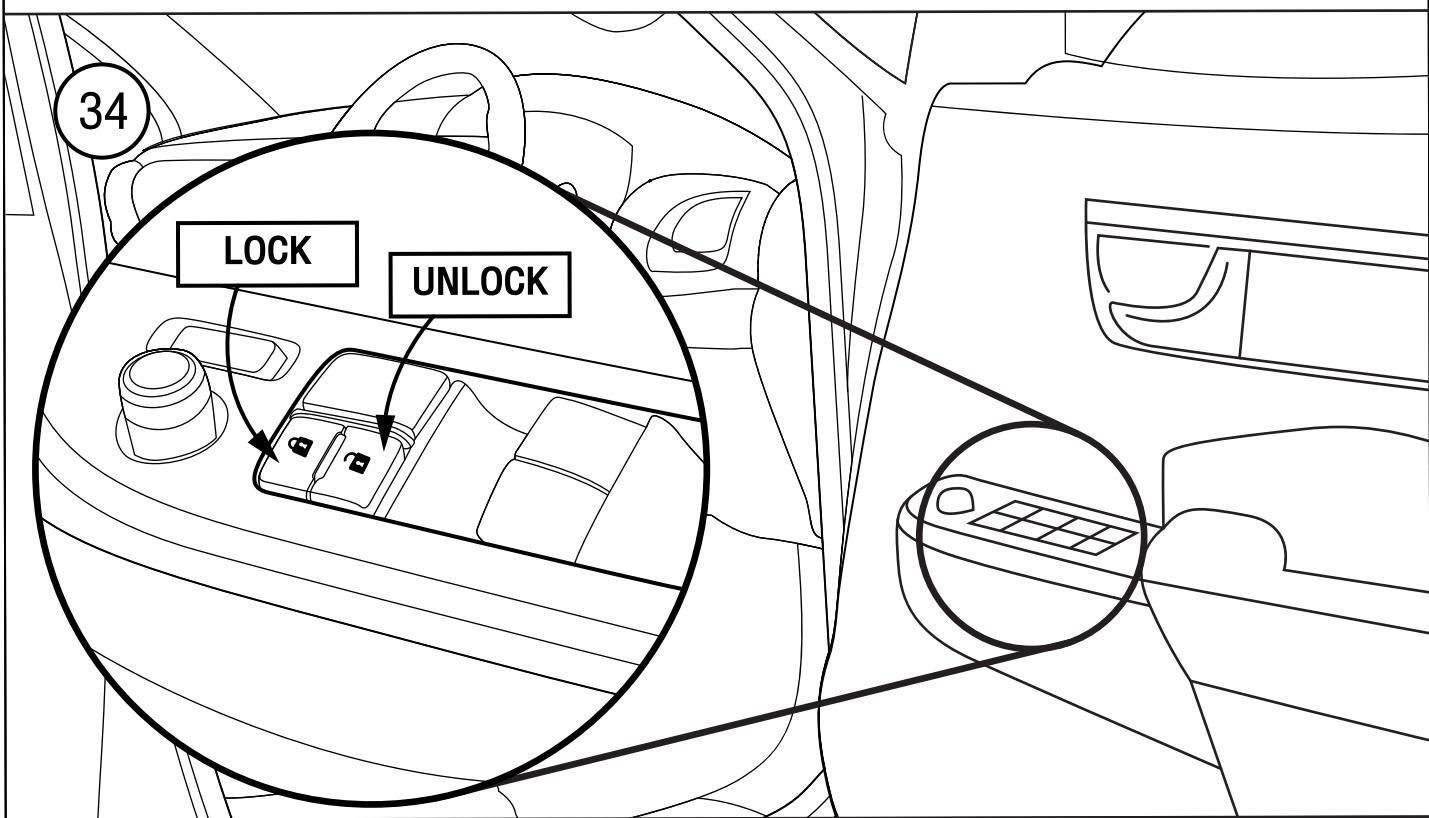
33



Find the Lock Wiring by push the Central Lock and use the Circuit Tester to check

34

LOCK UNLOCK



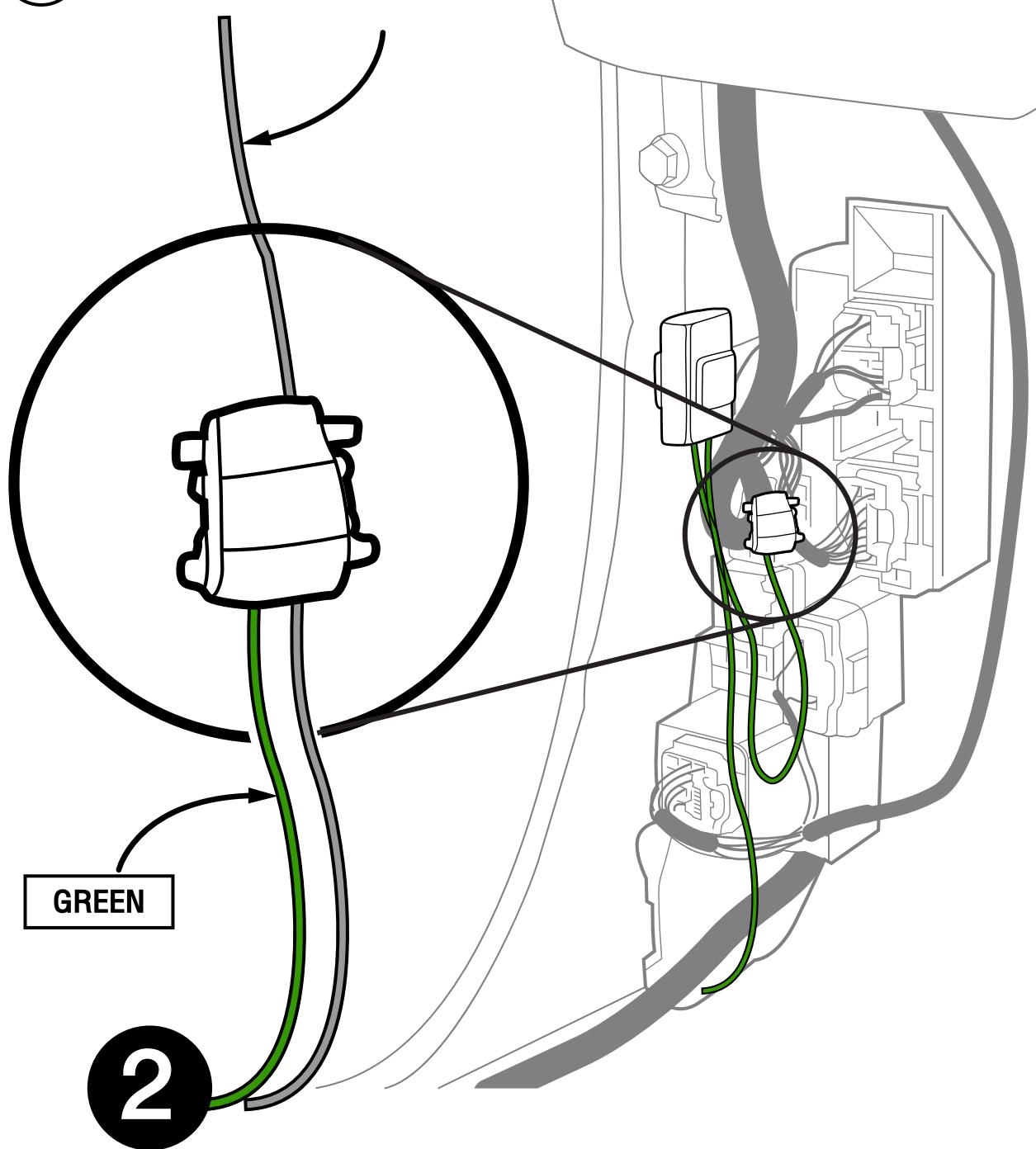
Step of Checking the light of the Central Lock (UnLock), begin with push the UnLock button at the door panel.



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35

WIRING UNLOCK



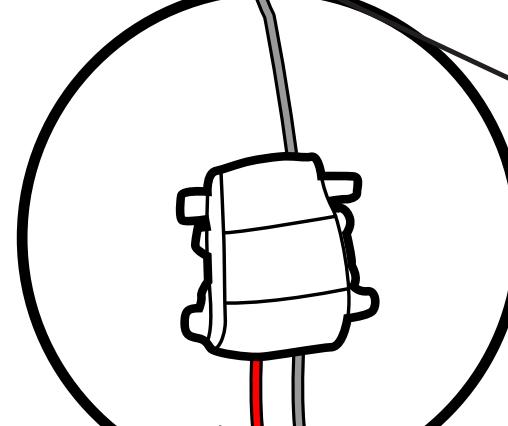


36

BATTERY

LIGHT ON

Find the battery Wires, use a
Circuit Tester to check.

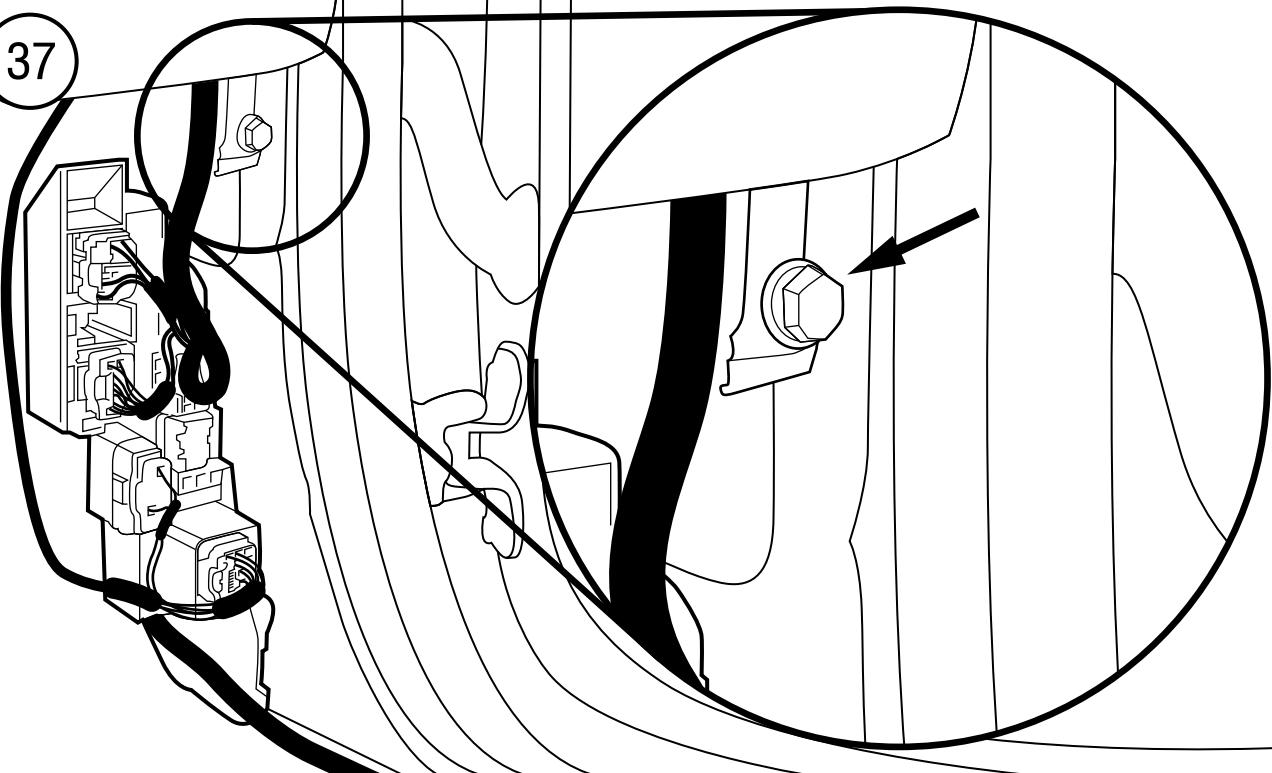


RED

4

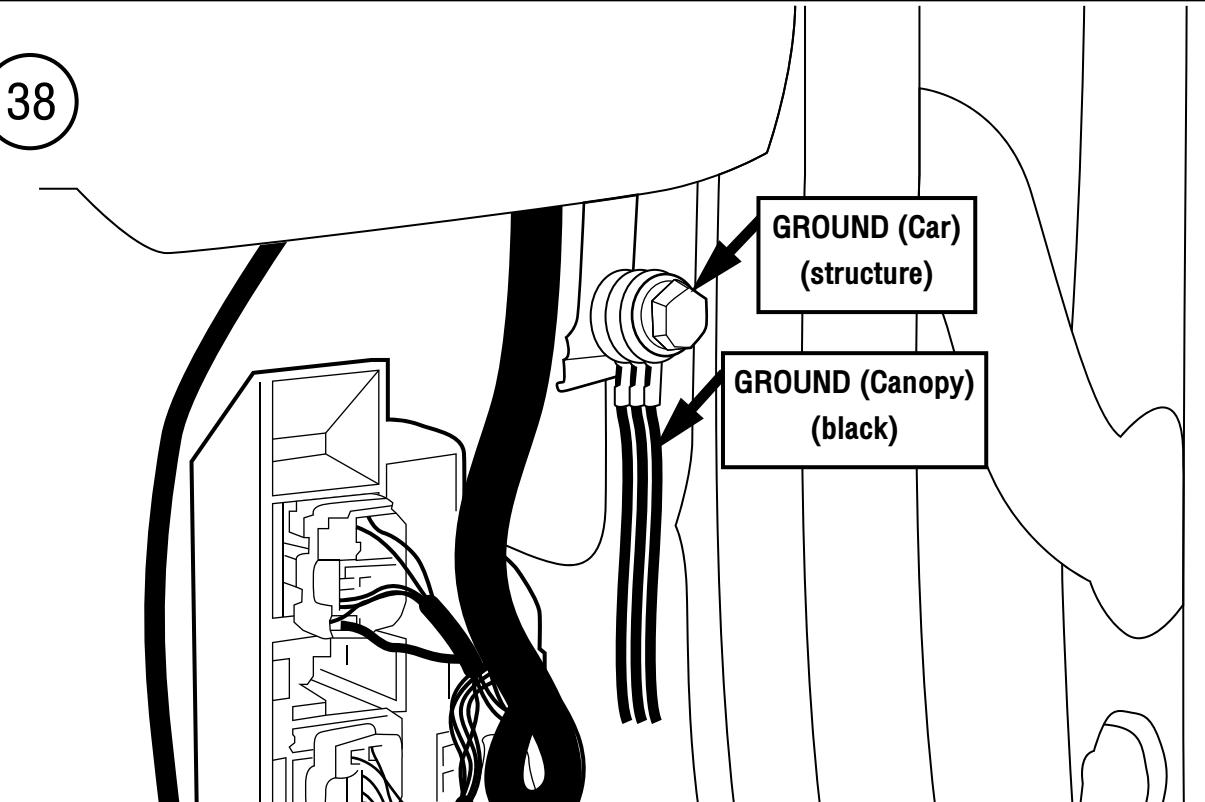


37



Take off the Cover at the Driver side in order to connect the Black Wiring of the Harness Central Lock No.38 with the Vehicle Structure. Take off the Bolt by using wrench No.10

38

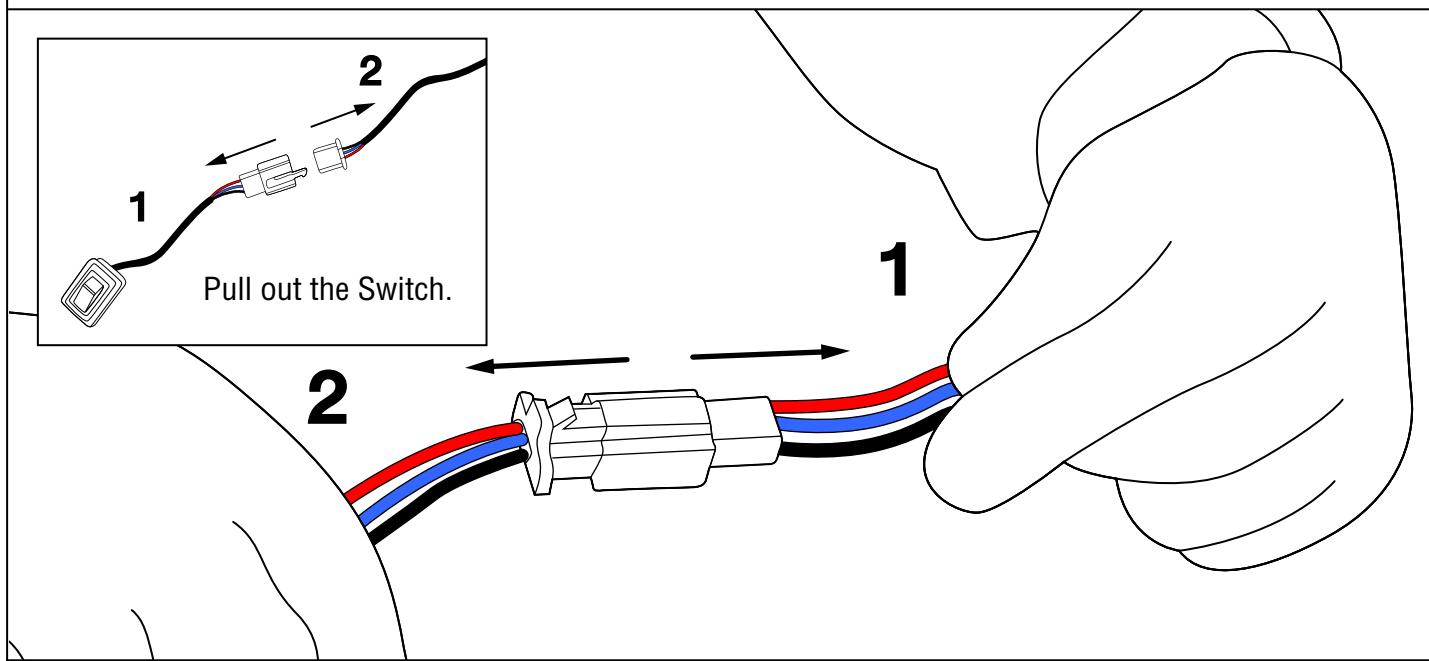


Connect the Black Wiring (Ground) of the Harness Central Lock No.51 with the Vehicle Structure and using wrench tighten.



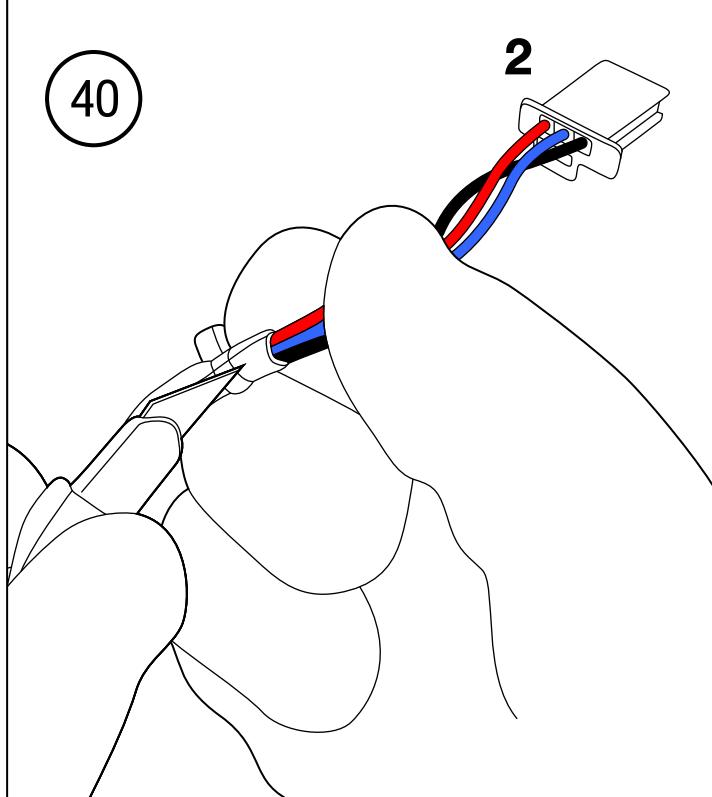
39

Defogger circuit switch installation *in case not using defogger switch of the Harness Central Lock No.51* .

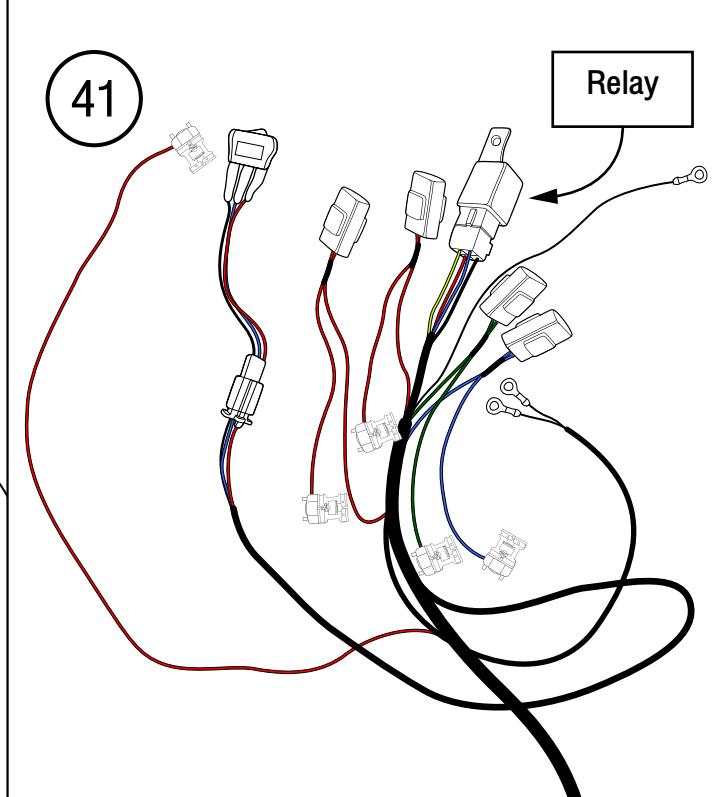


Defogger circuit switch installation of the Harness Central Lock No.51 of the Ford Ranger vehicle.

40



41



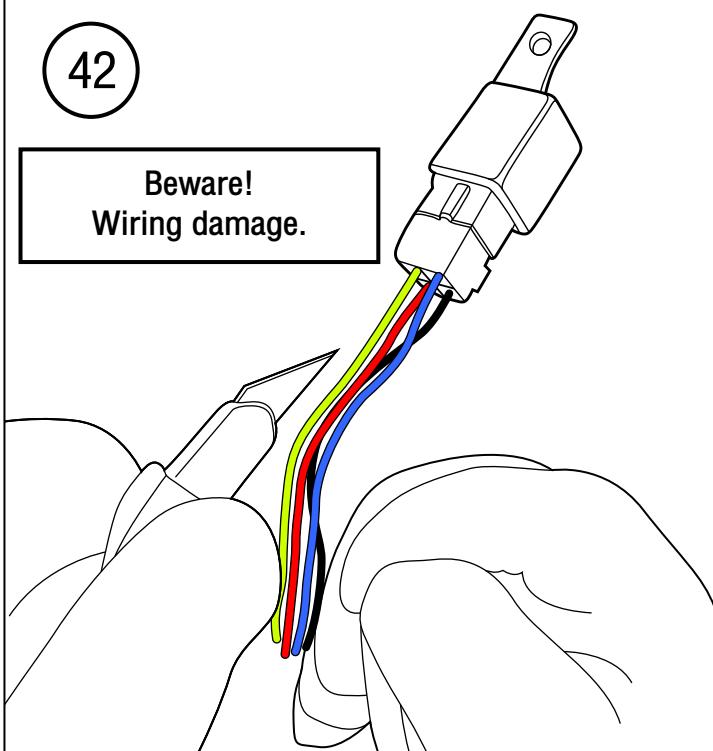
Cut-off the cable

Relay Set of the Harness Central Lock
No.51

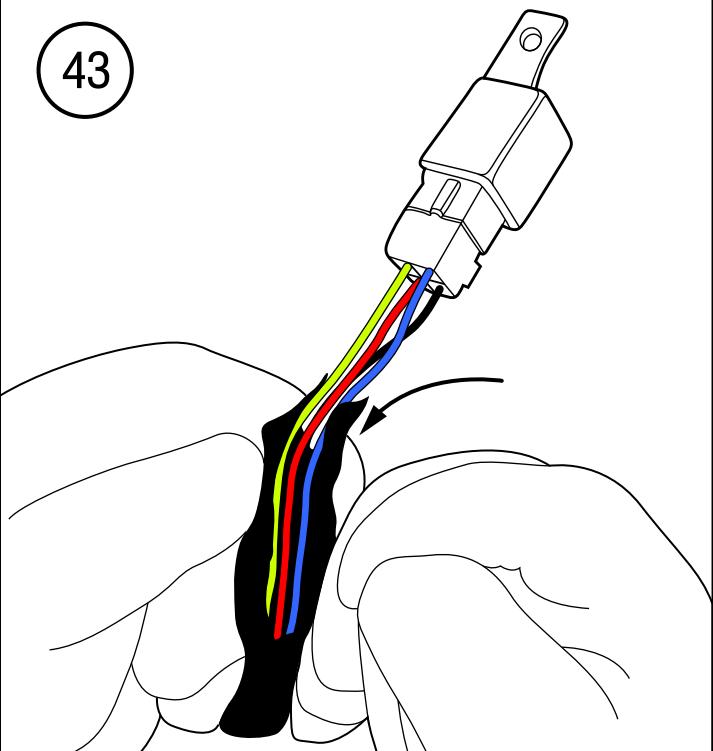


42

Beware!
Wiring damage.



43



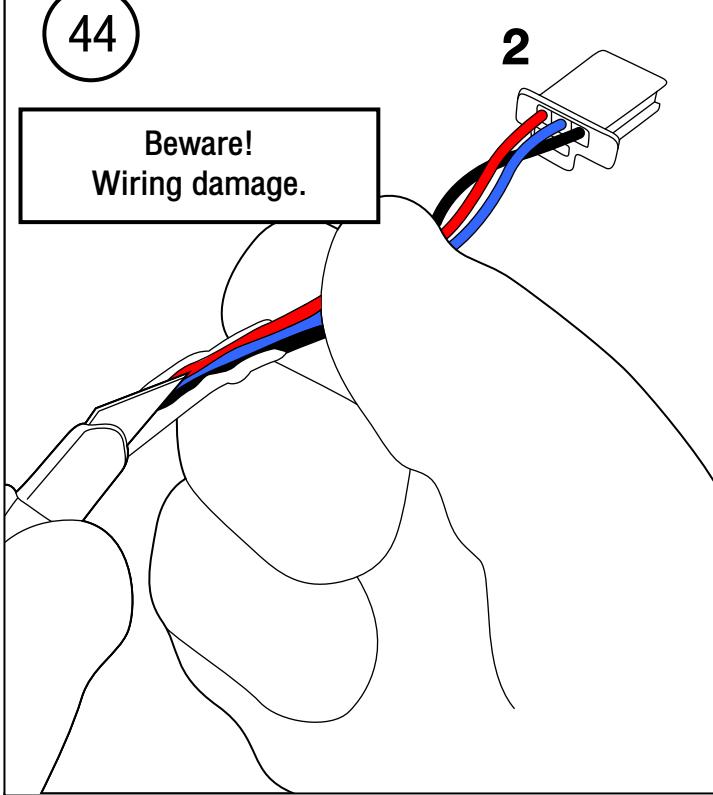
Cut-Off the tape of the Relay.

Pull out the tape

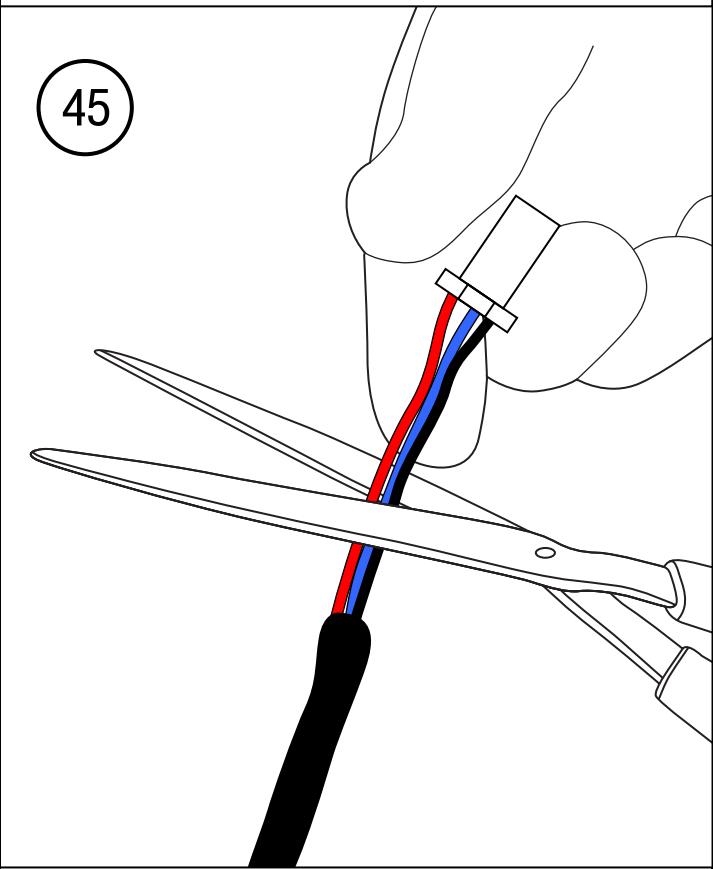
44

Beware!
Wiring damage.

2



45

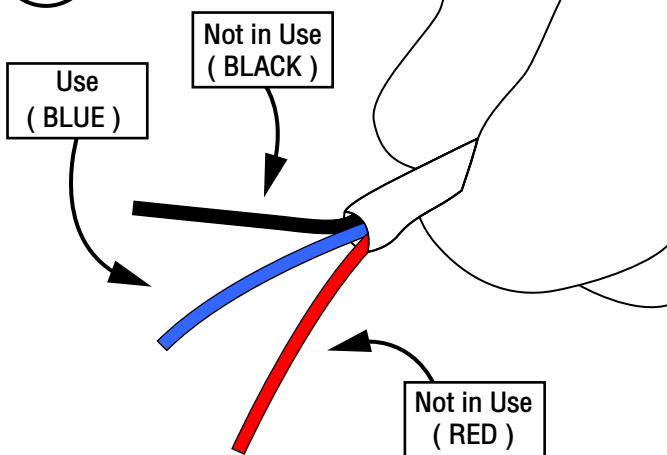


Cut the switch cable insulation pipe.

Cut the end of the defogger switch cable.

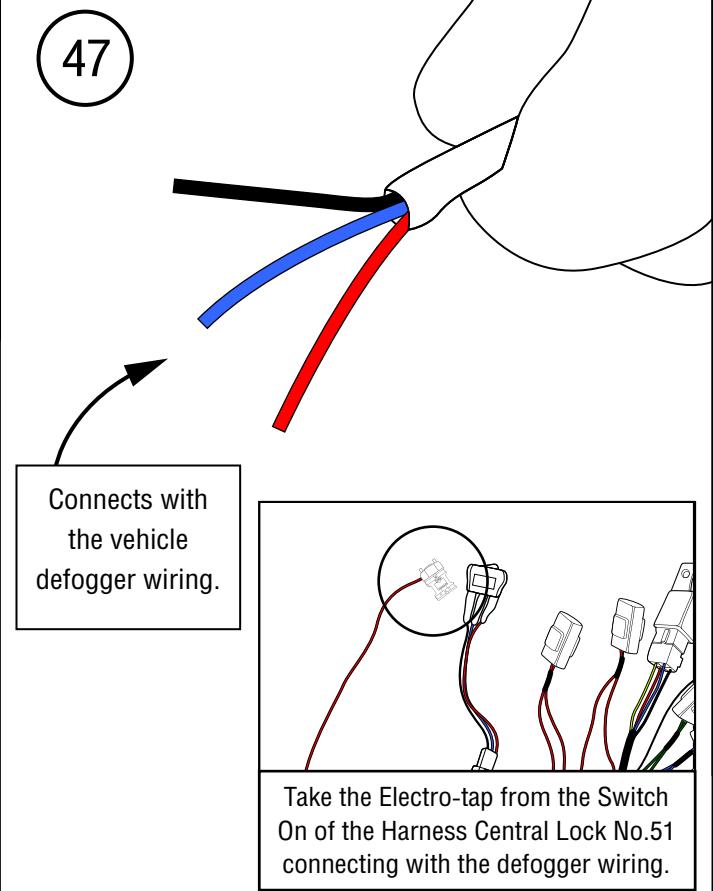


46

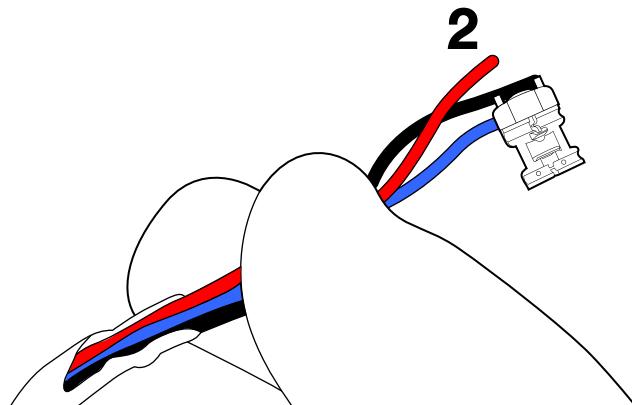


After Cut the end of the defogger switch cable, the wiring that will be using for connecting is the Blue colour.

47

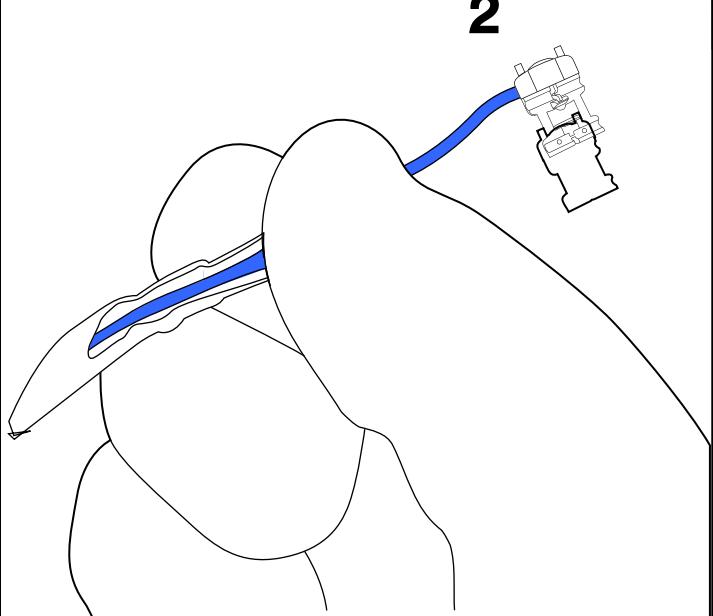


48



From item 24 : Electro-tap that connect with the blue wiring.

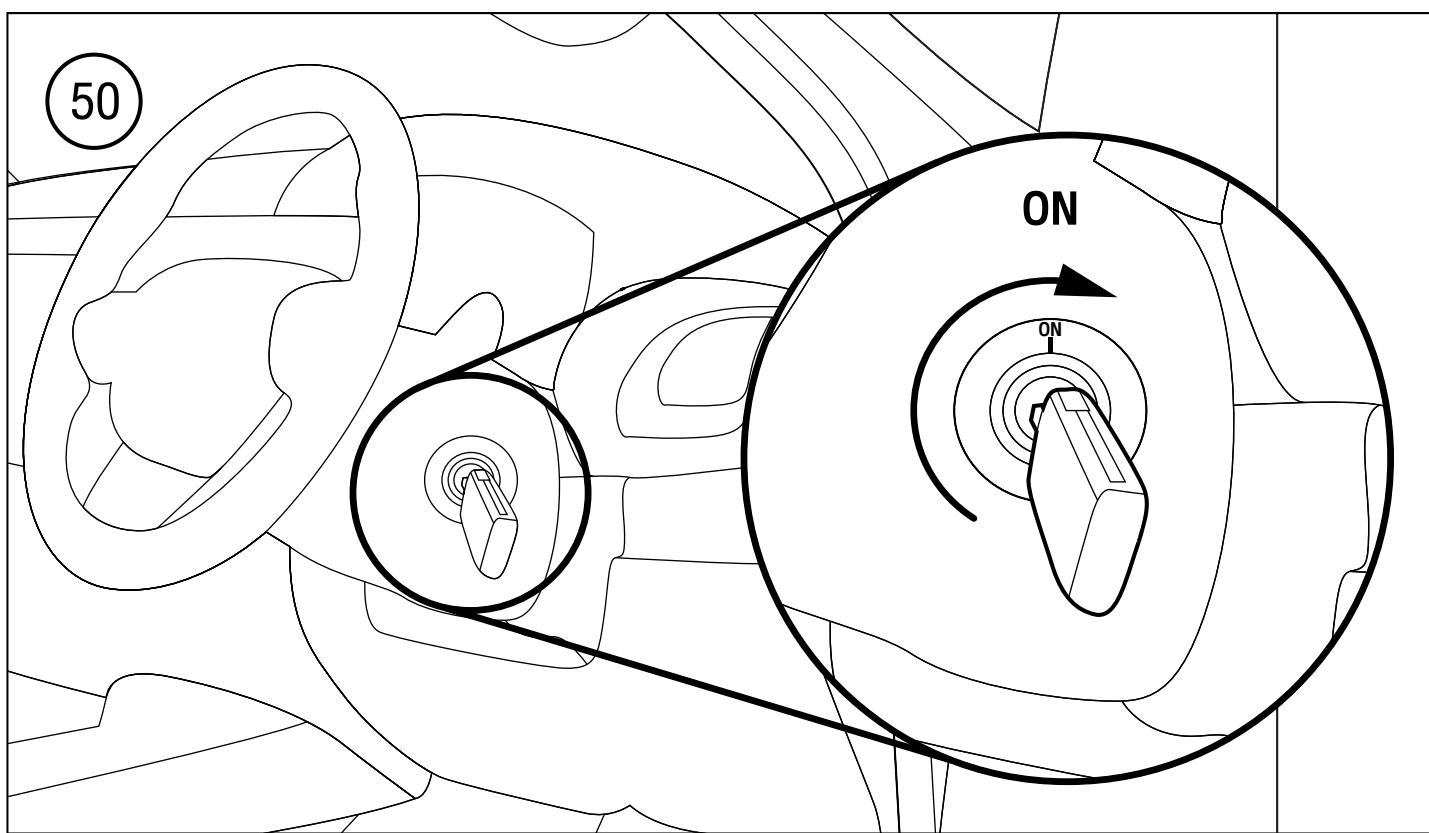
49



Take off the Red and Black wiring out of the defogger switch set, only leave the blue wiring in.

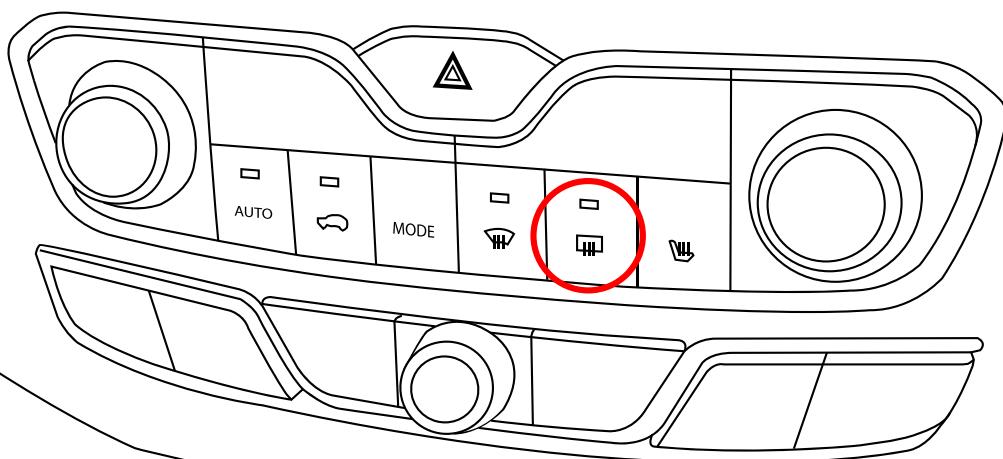


50



Checking the defogger system by turn ON and push the defogger button at the console pad.

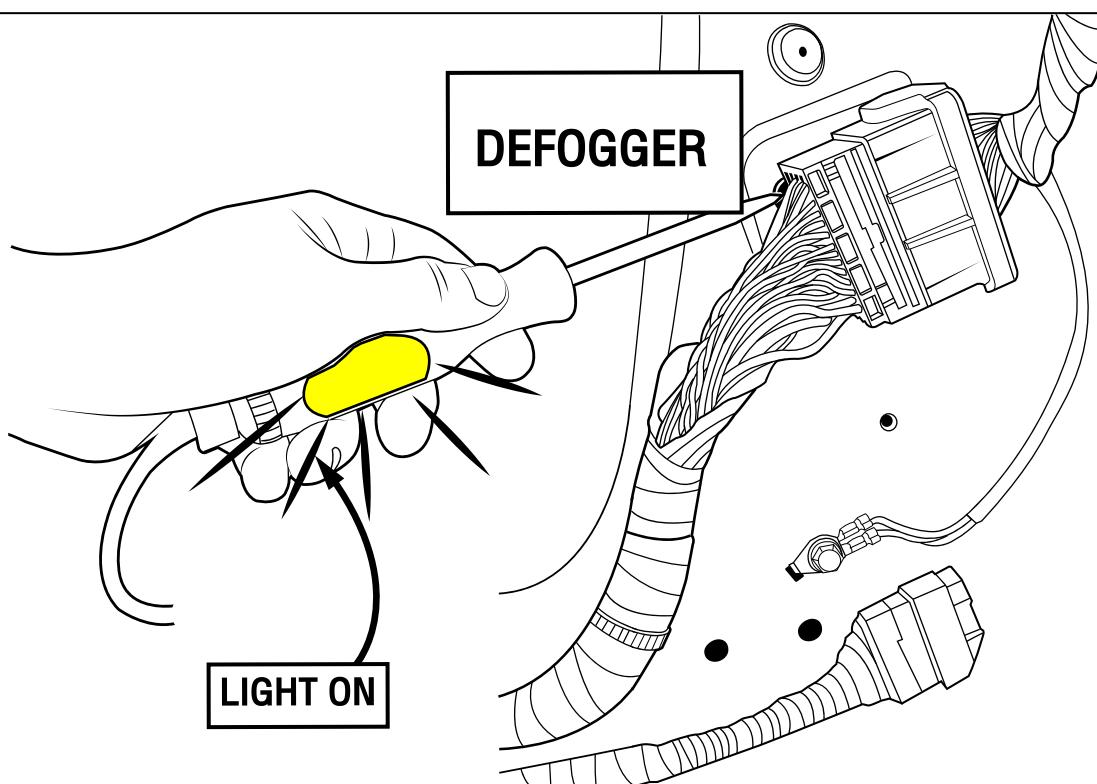
51



Push the Rear Defroster Switch



52



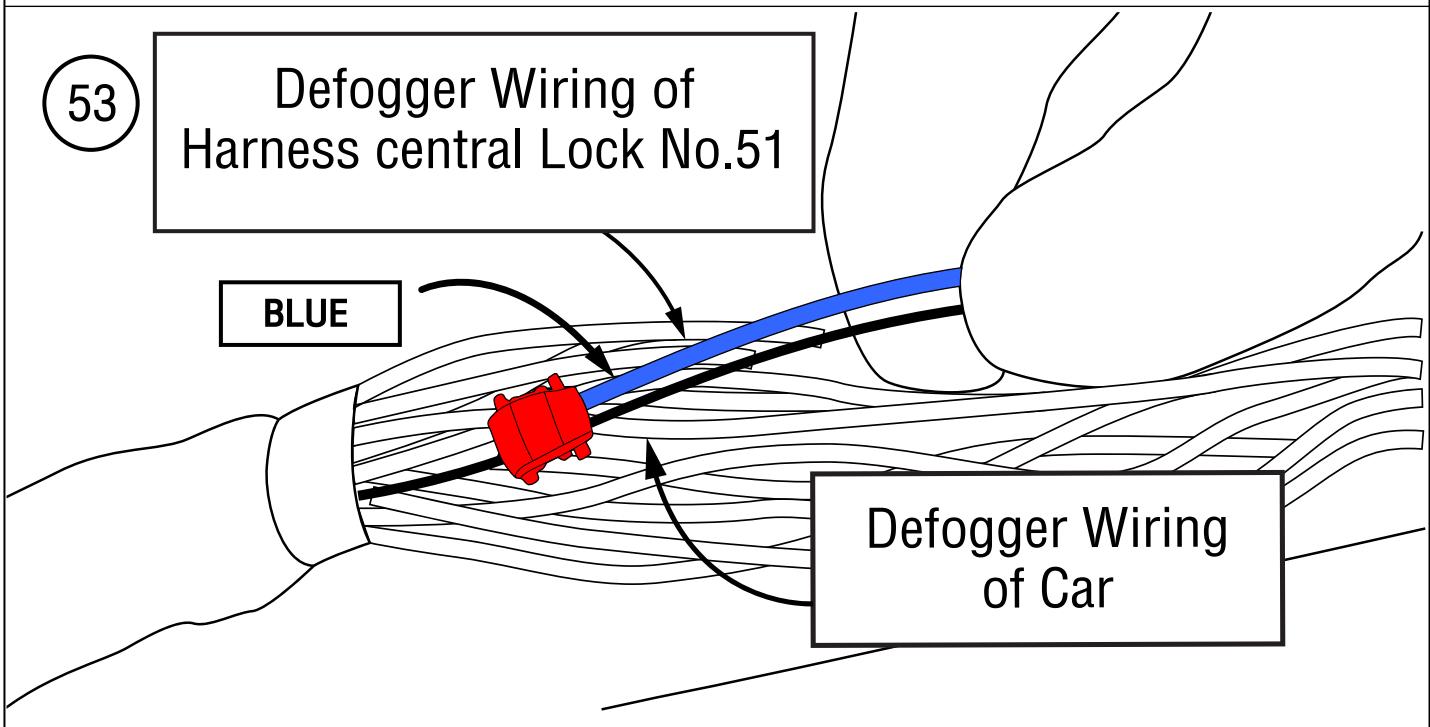
From item 29 : Turn ON and push the defogger button at the console pad, After that check the defogger wiring at passenger position by using the Test Lamp kit, Light On means working.

53

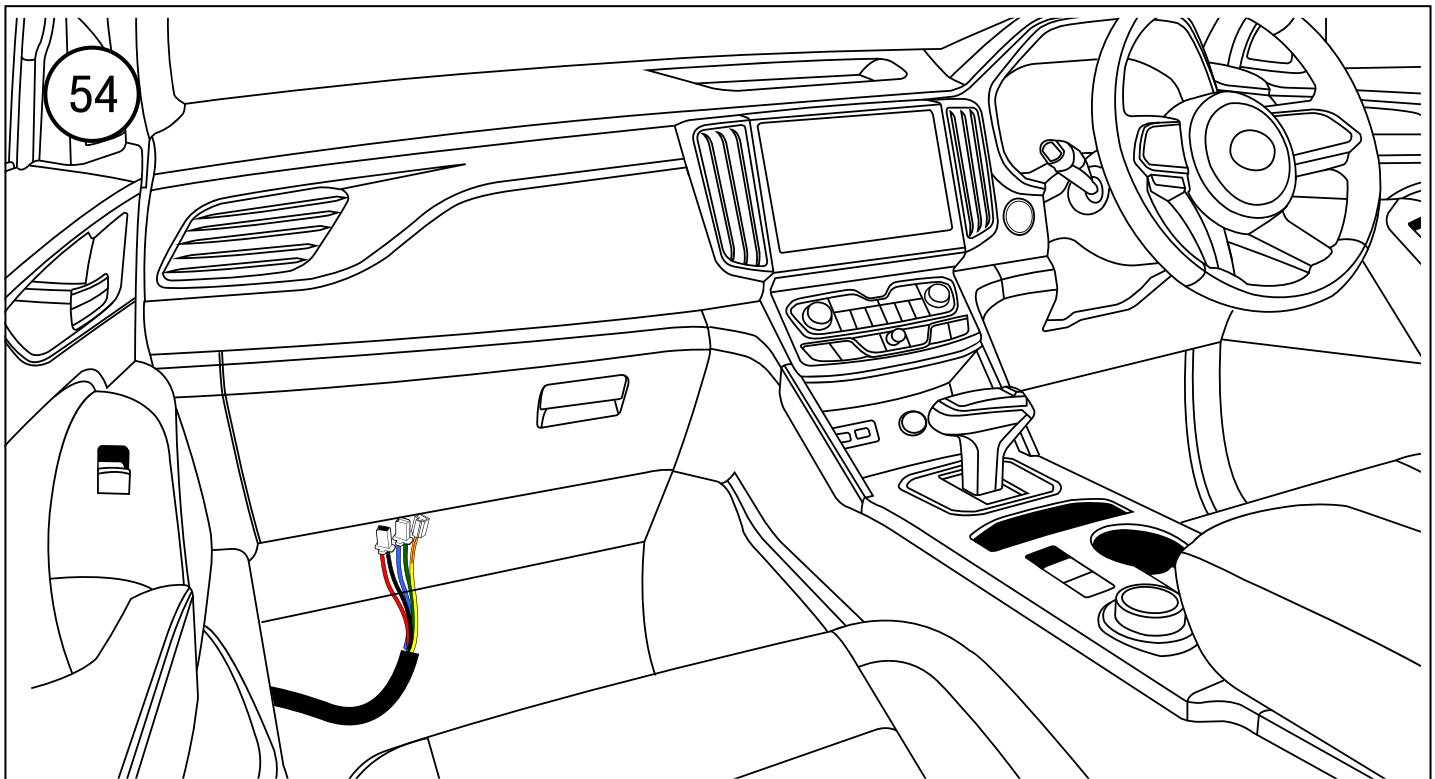
Defogger Wiring of Harness central Lock No.51

BLUE

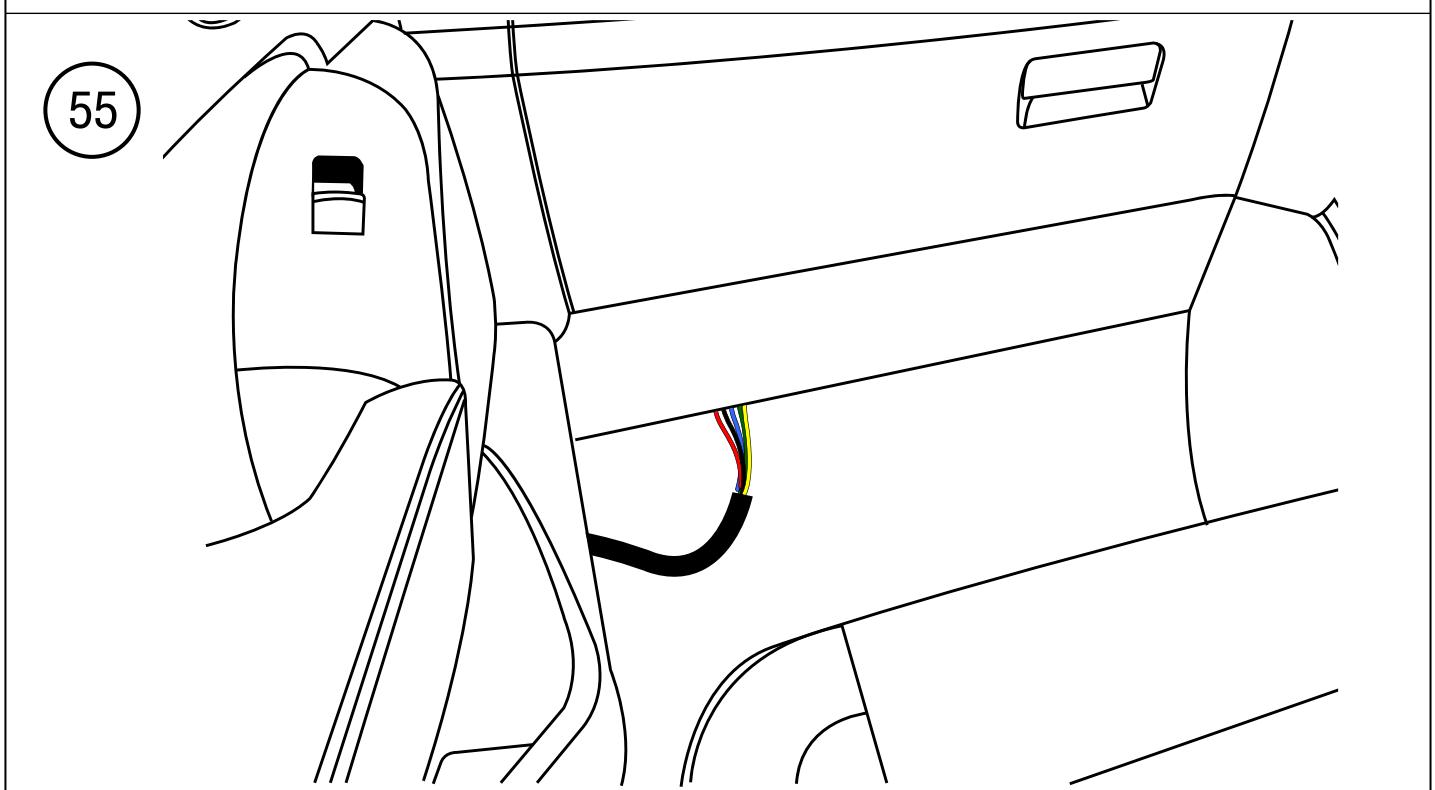
Defogger Wiring of Car



Connects the Blue Wiring (Defogger) of the Harness for Installation No.51 with the Black Wiring (Defogger) of the vehicle by using the Electro-tap.



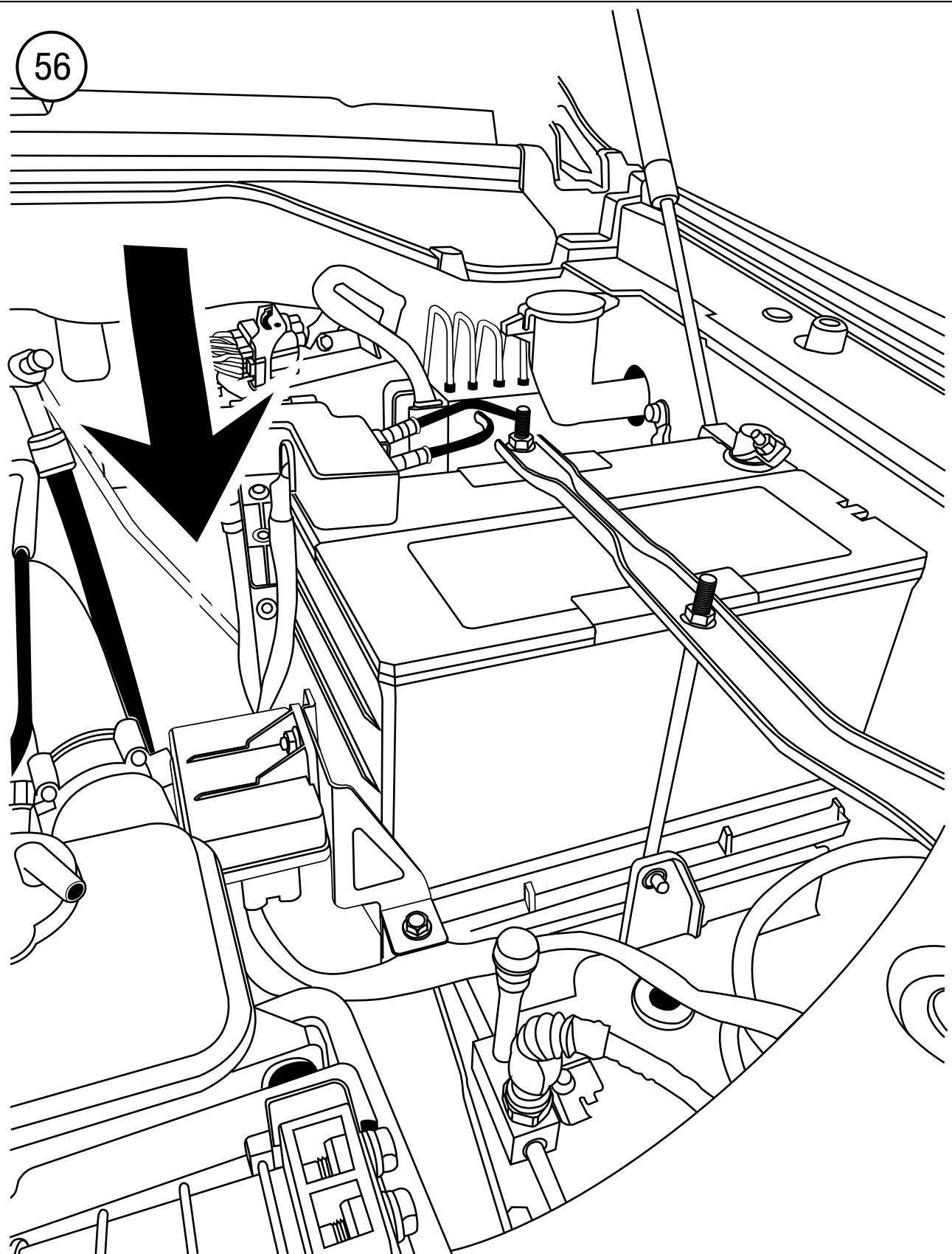
Running the wiring from the driver side through the passenger side as shown in picture.



Run the Harness Central Lock No.51 wiring at passenger position



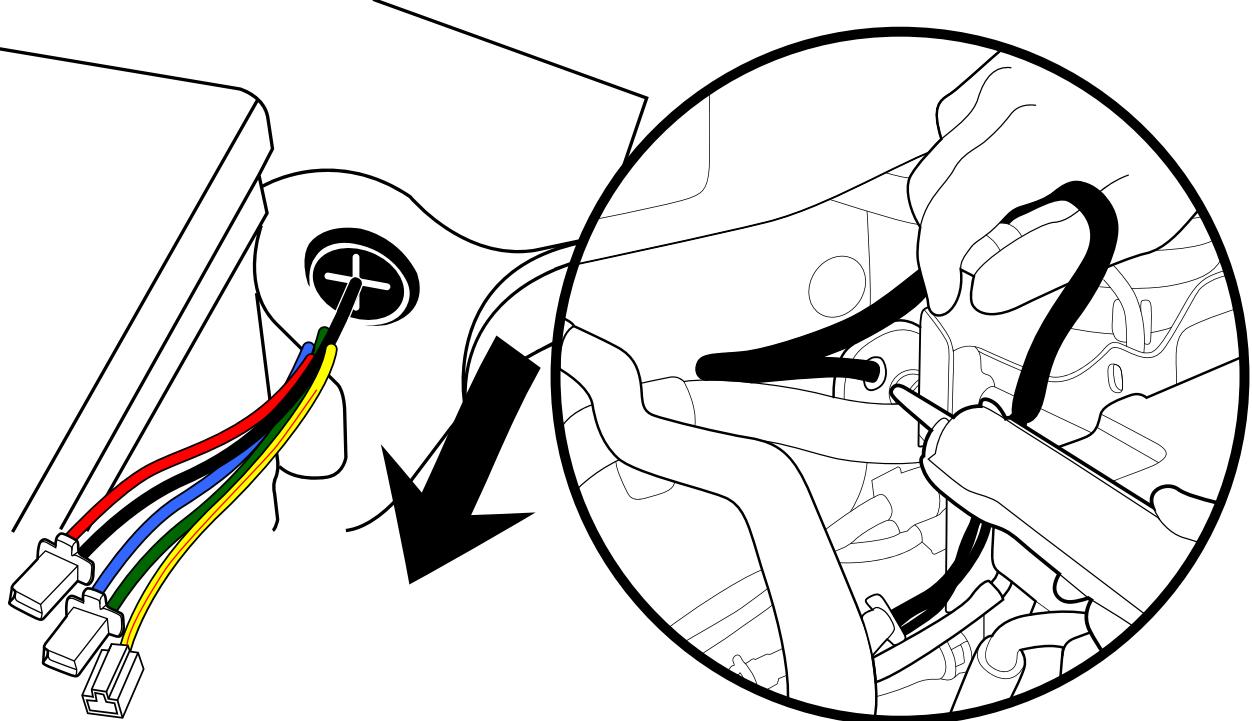
56



The Step of Harness Central Lock No.51 wiring running picture for
the 2022 Great Wall Cannon



57



Silicone seal the wiring hole process.

58

The Step of wiring running diagram

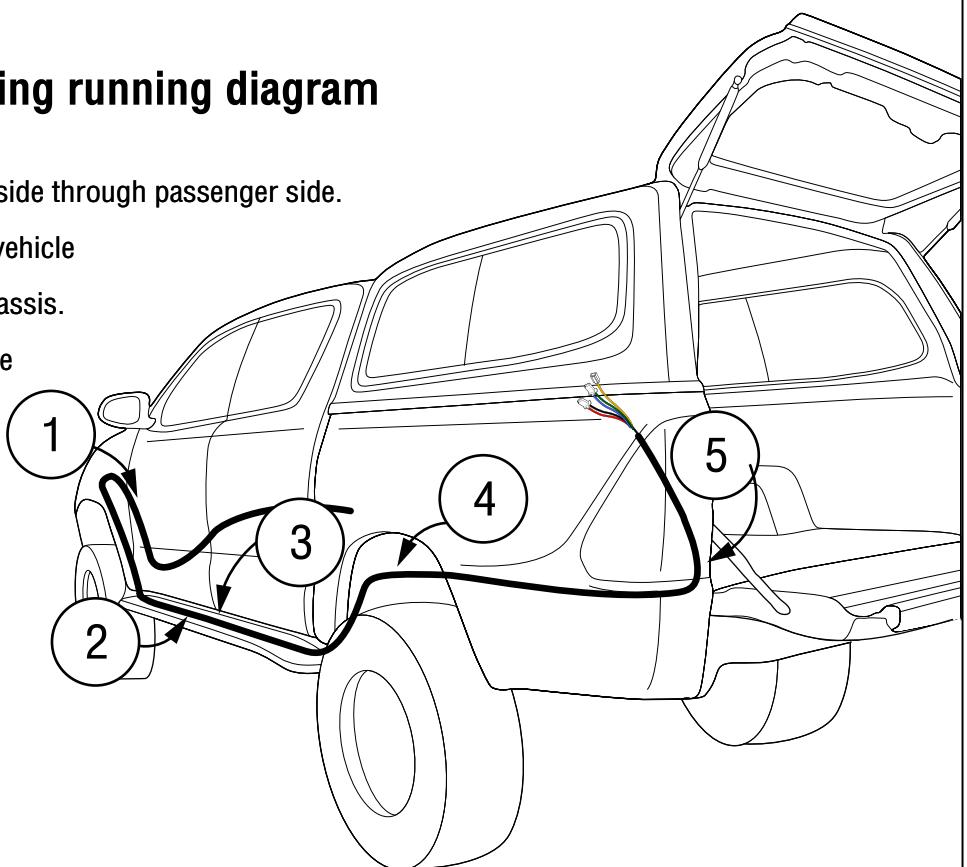
Point 1 Wiring running from driver side through passenger side.

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

Point 3 Wiring that run under vehicle
along the chassis.

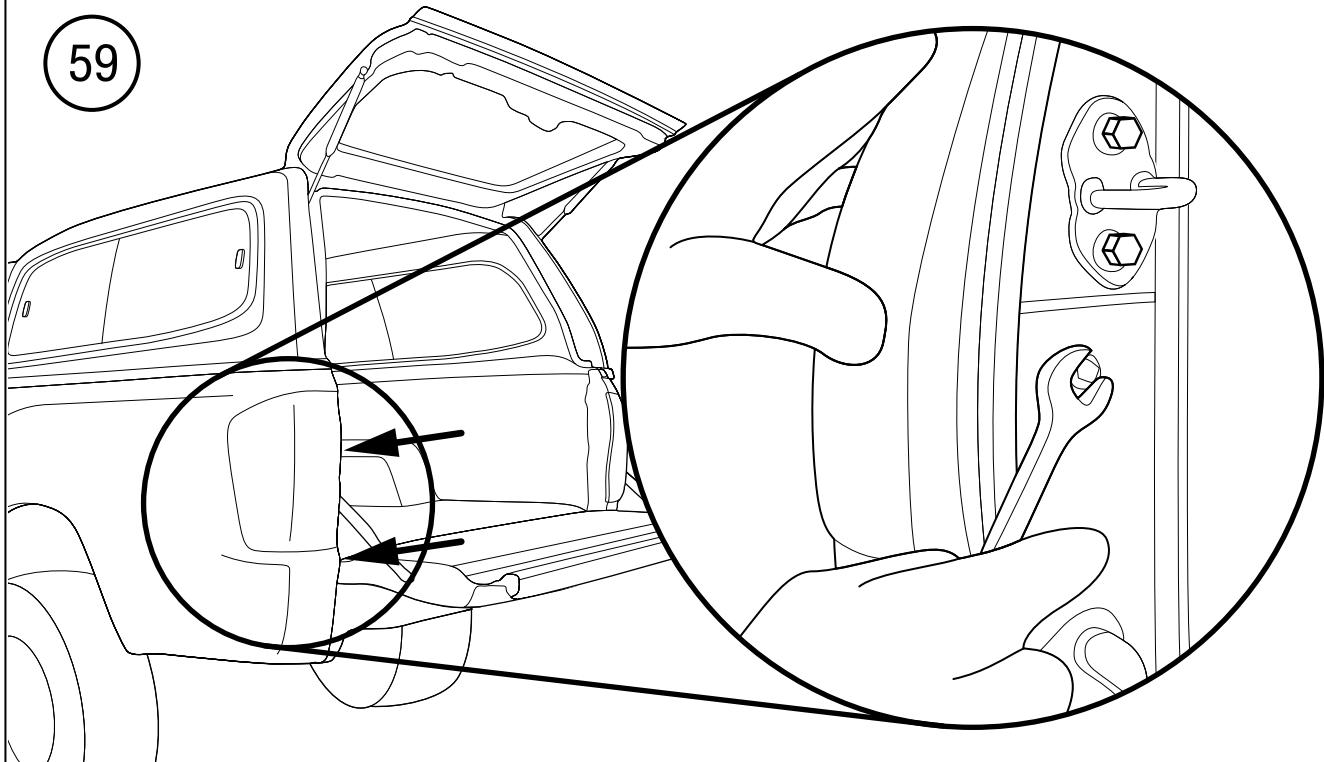
Point 4 Wiring that run via
chassis at the fender area.

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



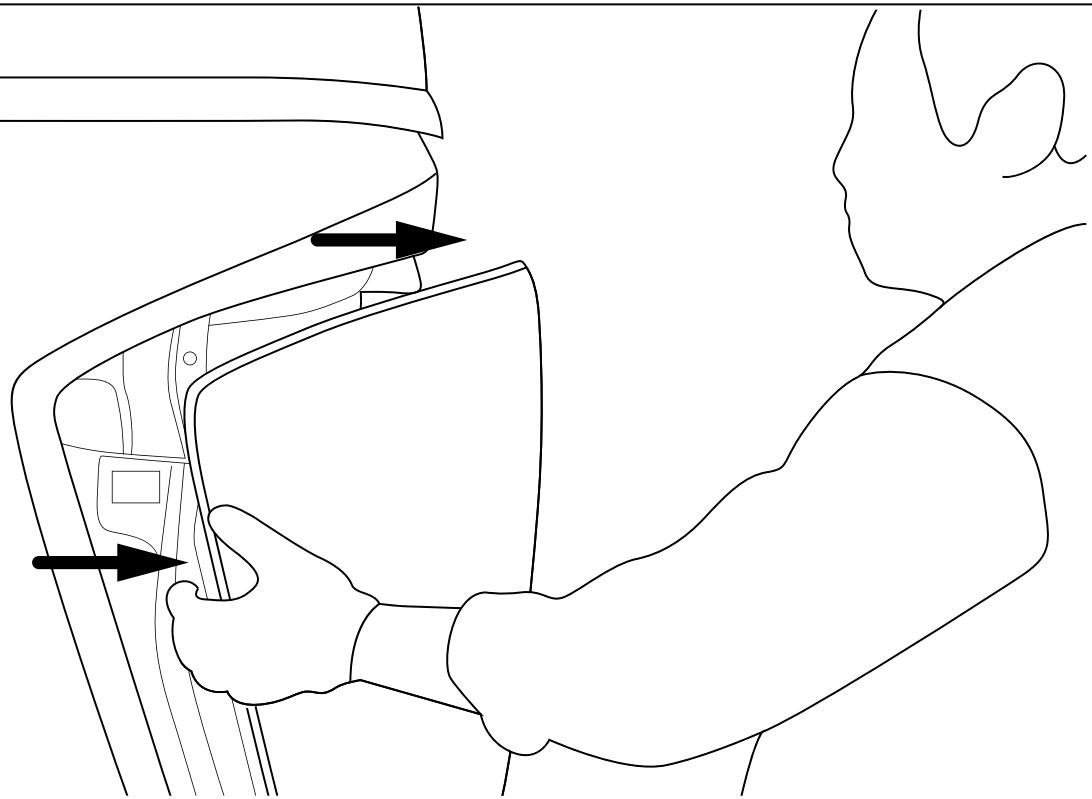


59



Take off the Rear Light by using wrench No.10

60



Take off the Rear Light vehicle.



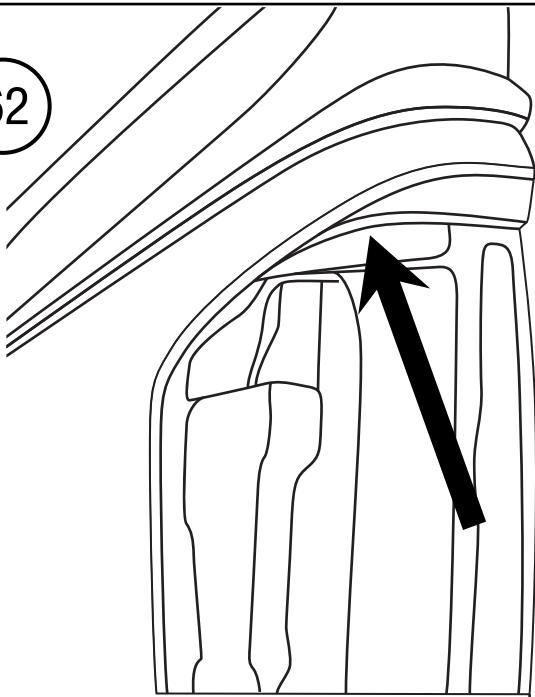
61

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

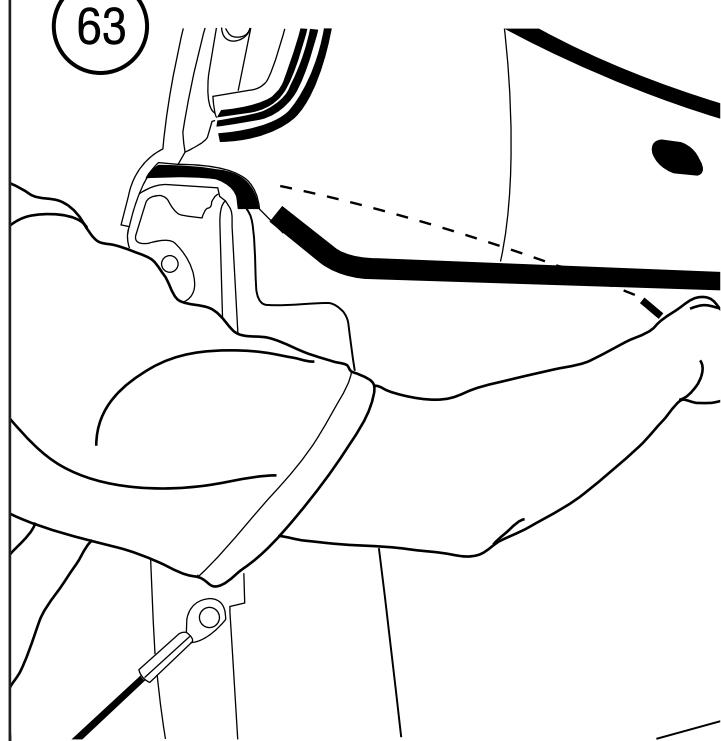


Running the Harness Central Lock No.51 up to the vehicle rear light in order to connects with the Harness Central Lock No.32.

62



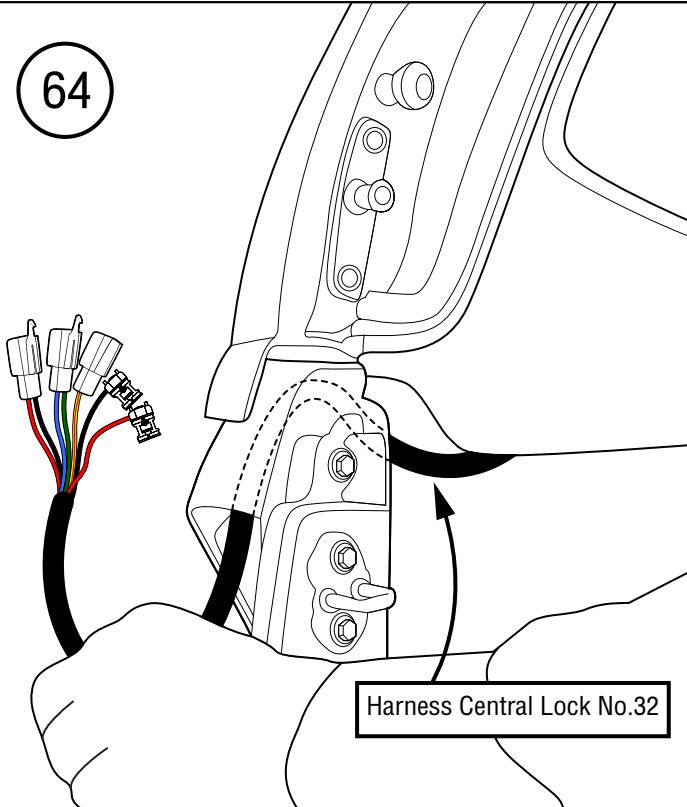
63



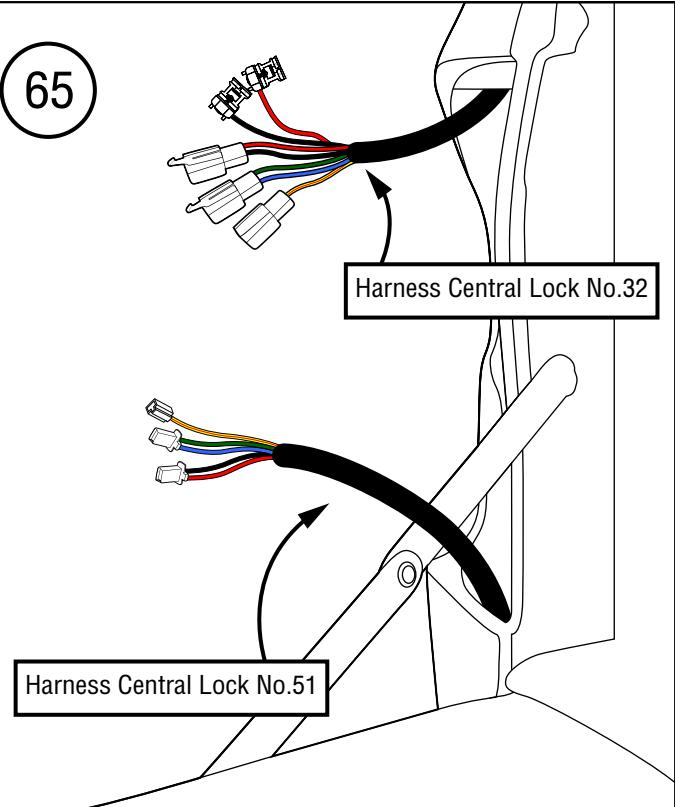
Run the rod along the vehicle edge till the Rear vehicle light.



64



65



Run the Harness Central Lock No.32 along the vehicle tub channel out of the Rear Light Socket.

The Harness Central Lock No.32 wiring vehicle position and the Harness Central Lock No.51 wiring set.

66

Central Lock Wire Connect

67

Room Lamp Wire Connect

Harness Central Lock No.32

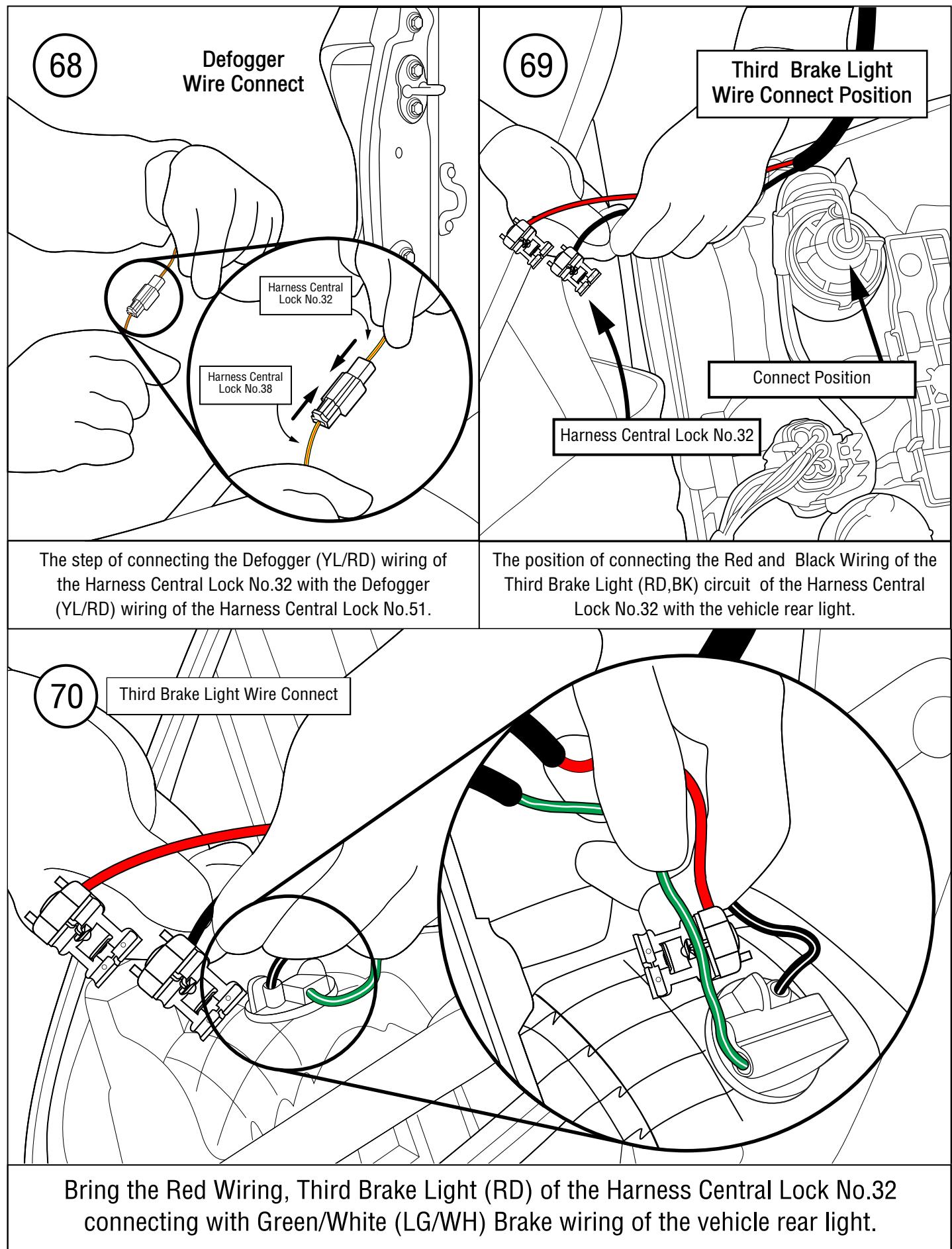
Harness Central Lock No.38

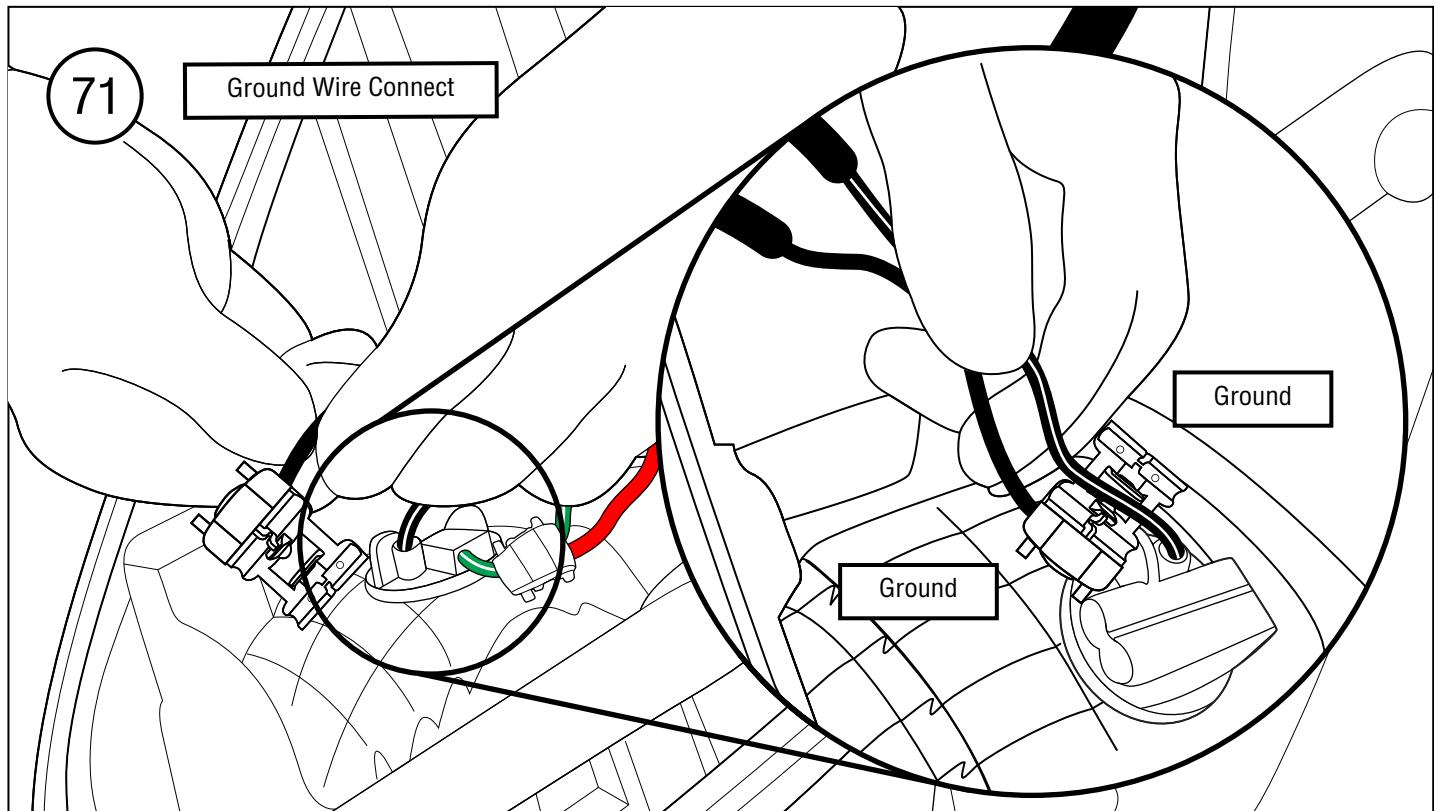
Harness Central Lock No.32

Harness Central Lock No.38

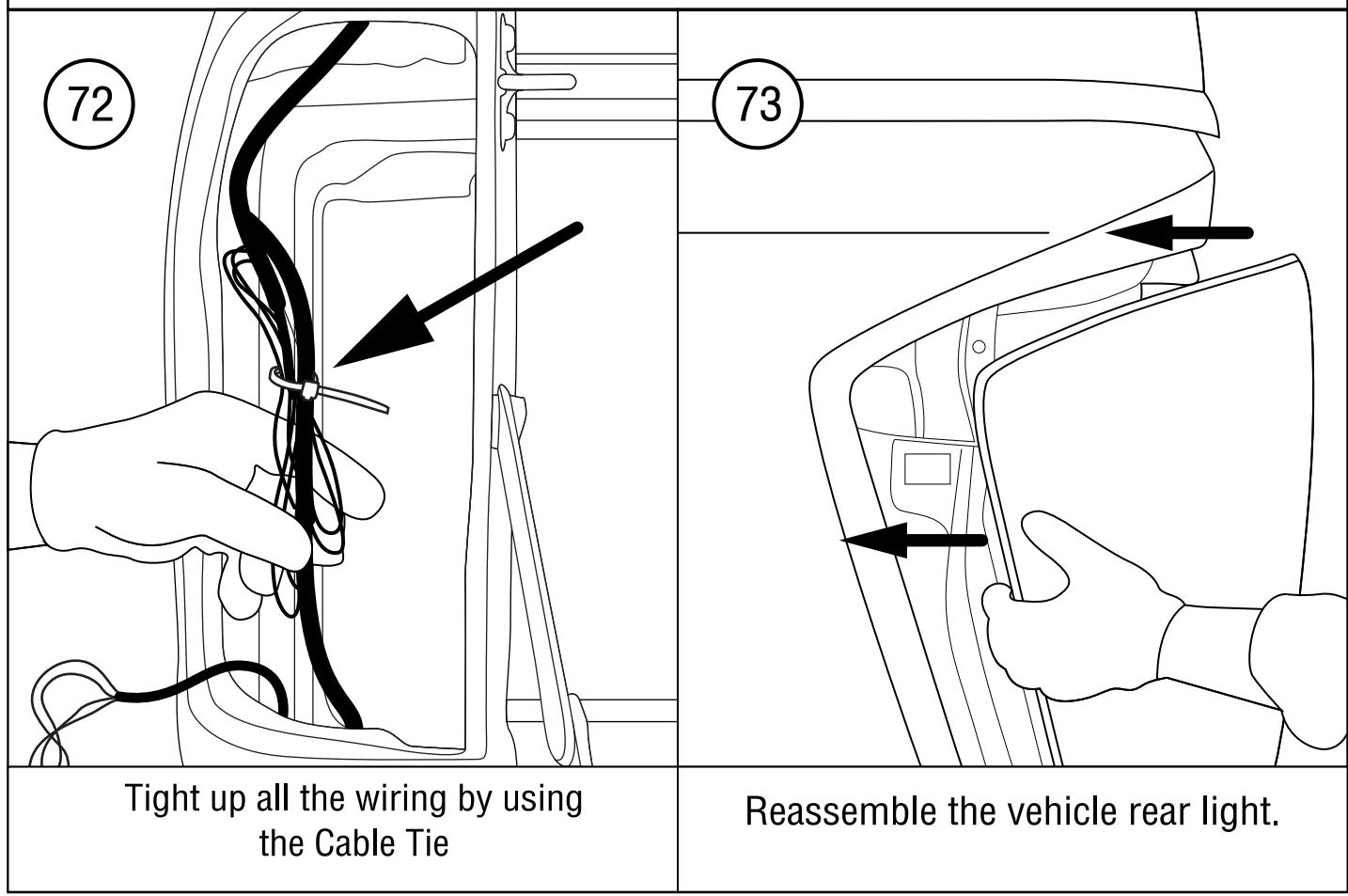
The Process of Connecting Central Lock (BL,DG) Wiring of the Harness Central lock NO.32 With the Central Lock (BL,DG) Wiring of the Harness Central lock NO.51

The Process of Connecting the Room Lamp (RD,BK) Wiring Harness Central lock NO.32 With the Room Lamp (RD,BK) Wiring Harness Central lock NO.51





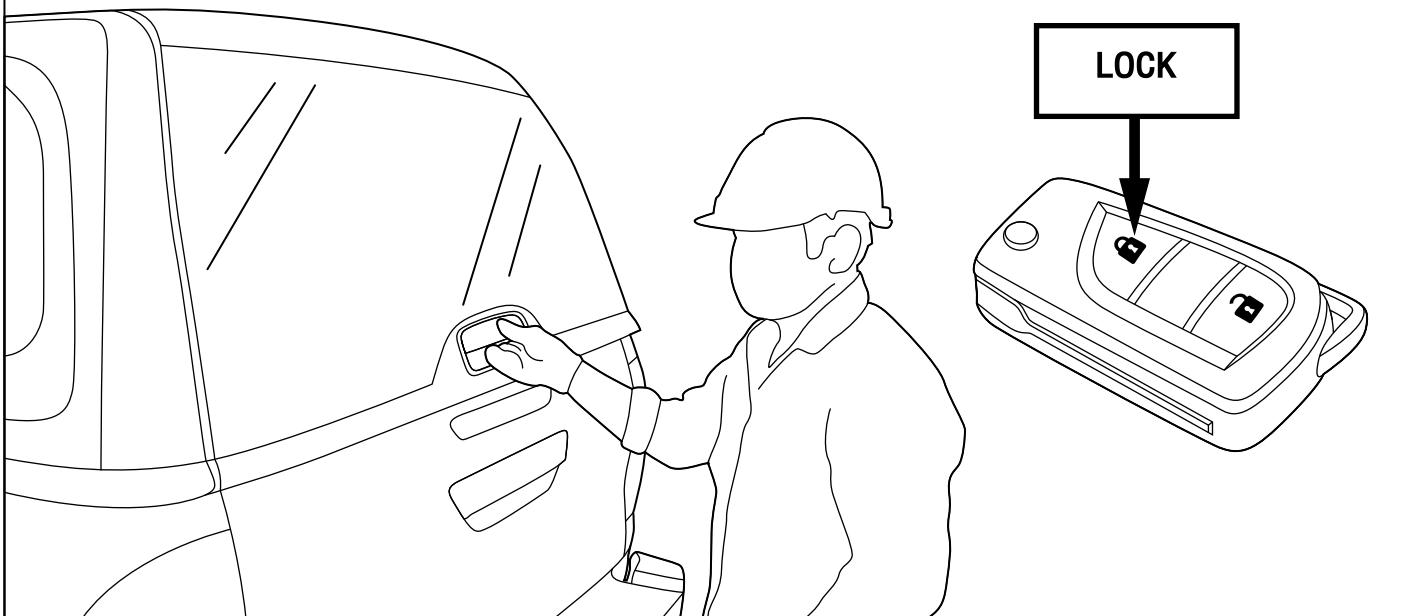
Bring the Black Wiring, GROUND (BK) of the Harness Central Lock No.32 connecting with the Black/White (BK/WH) Ground wiring of the vehicle rear light.





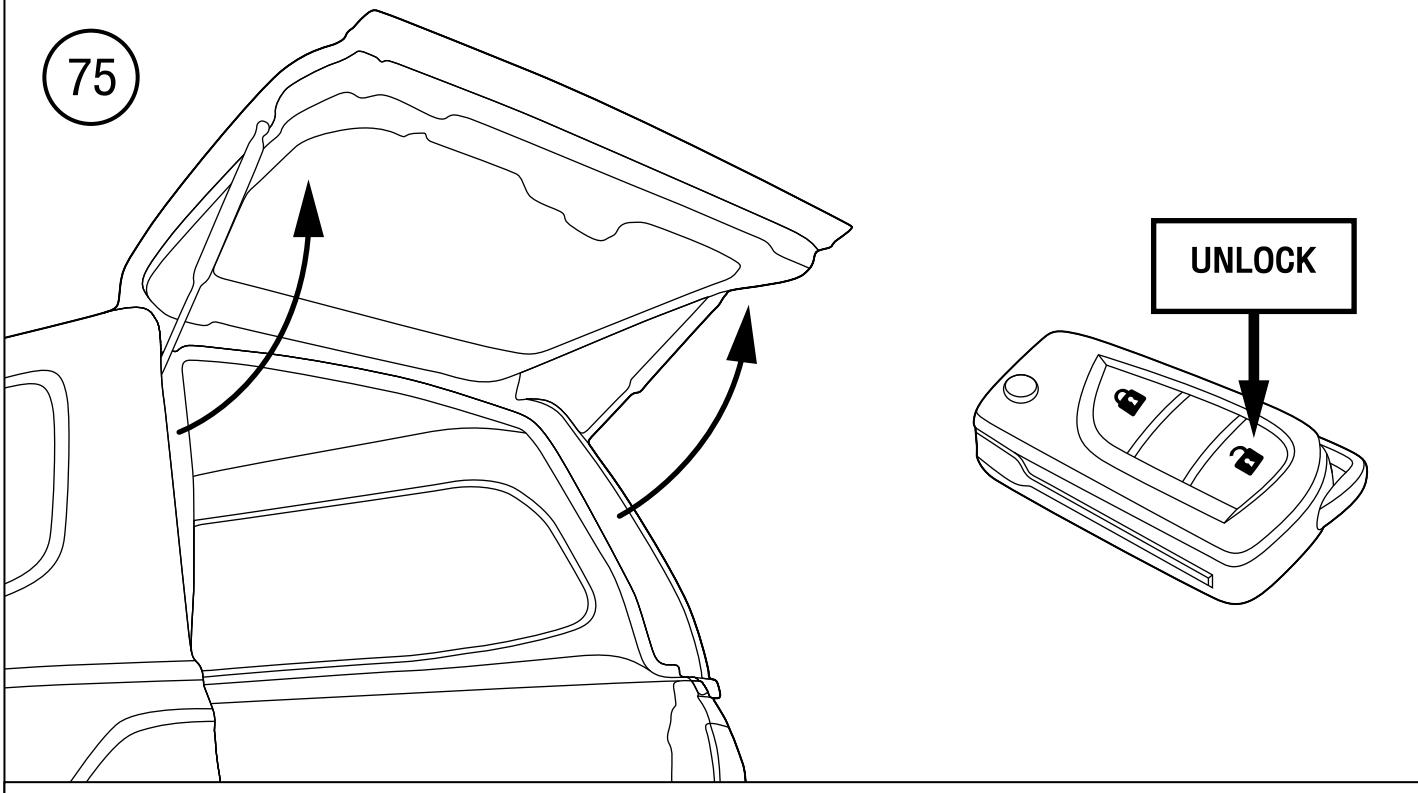
74

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.

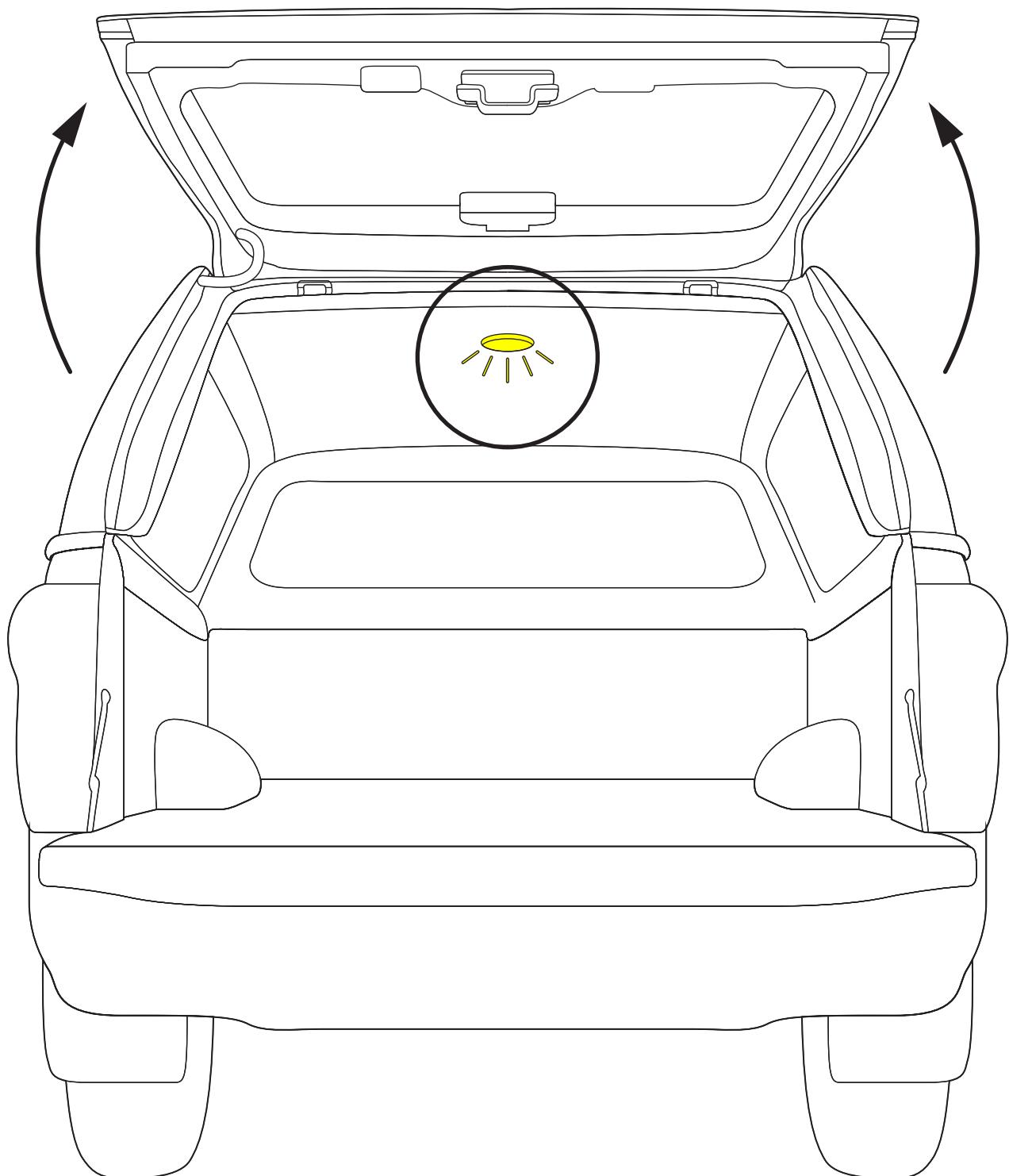
75



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



76



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

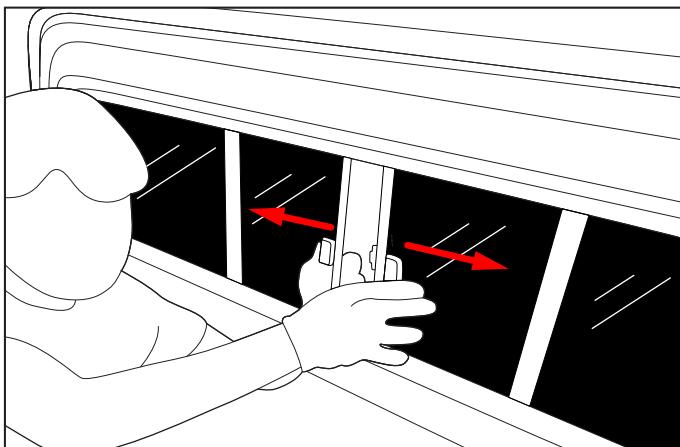


SAMMITR

Opening Function of all canopy model

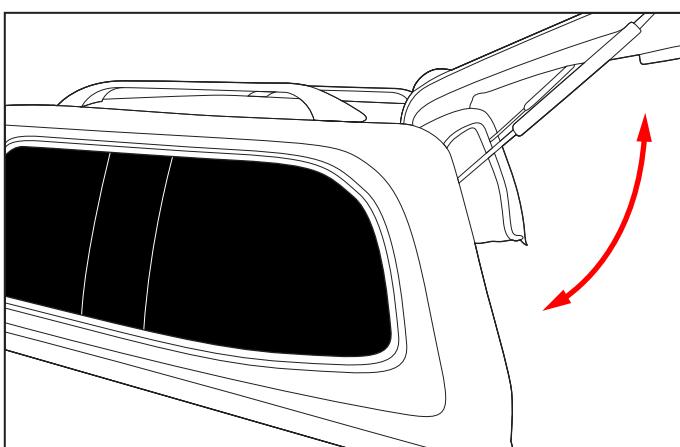
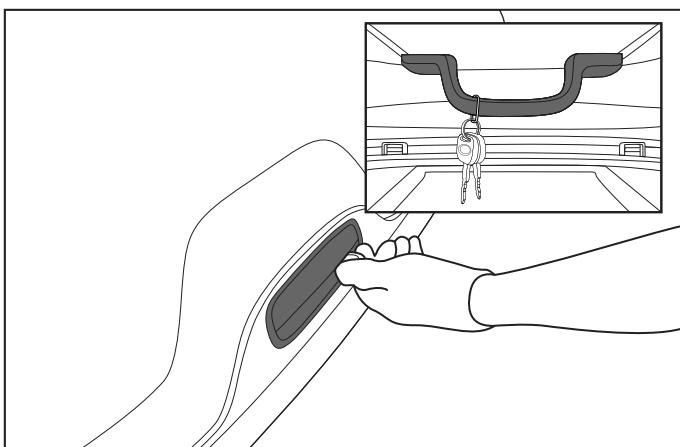


Front Window function usages will be the same for all model, V2, V4 and TL1.

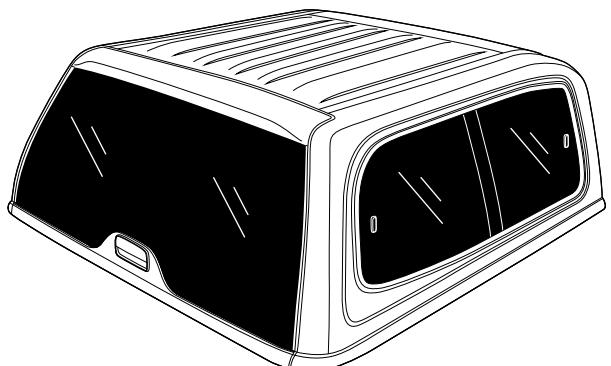


Use the key is unlock function will be the same for all model, V2, V4 and TL1.

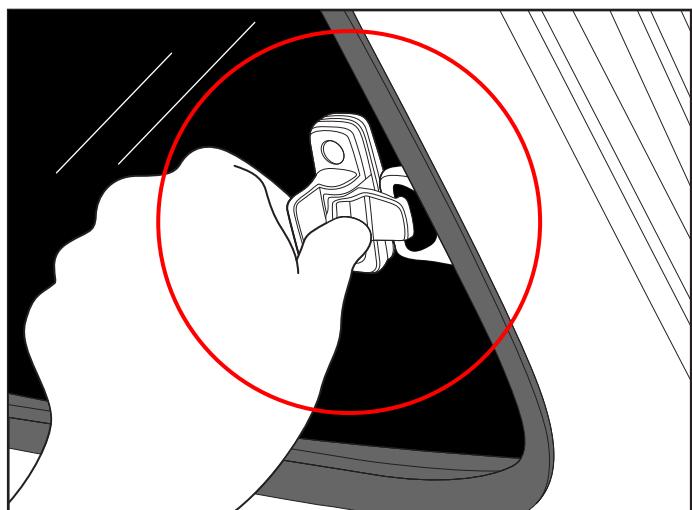
Open the backdoor function are different.



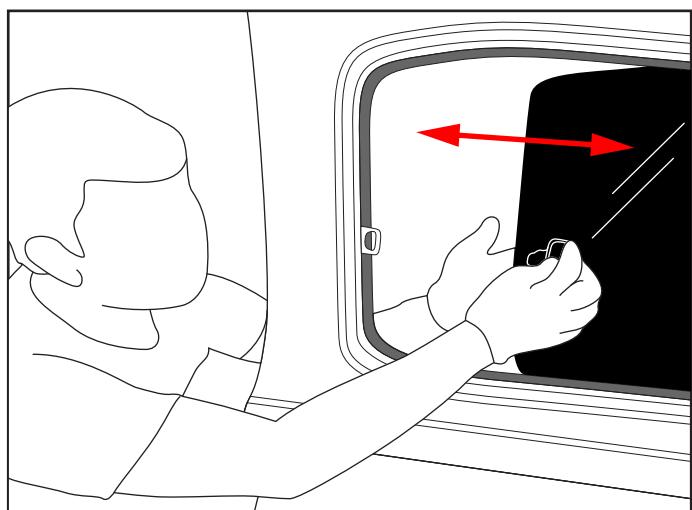
User manual



Slide Window (Left-Right)



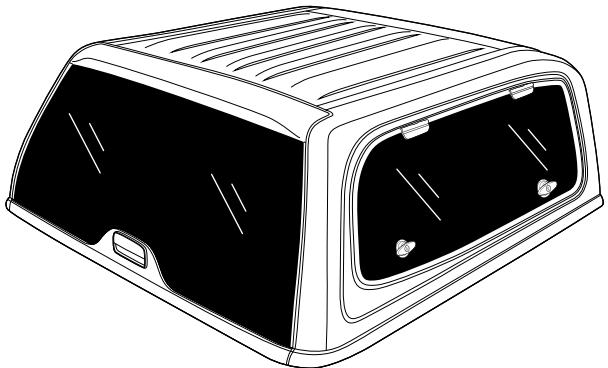
Squeeze the lock side to open.



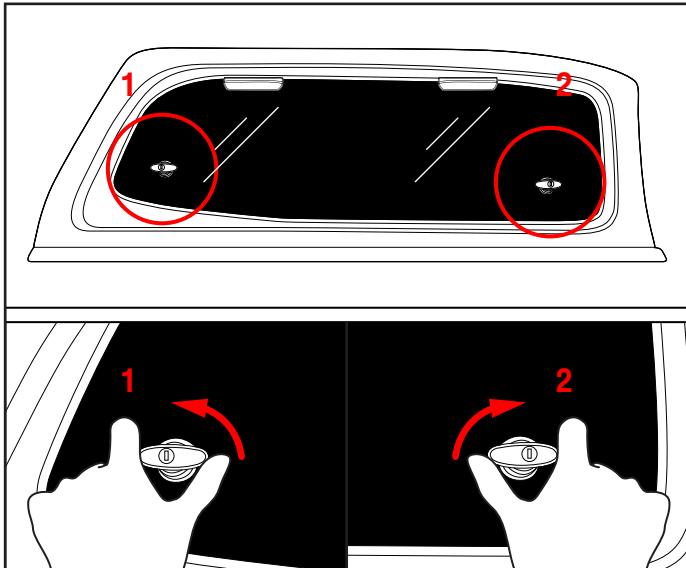
The Picture shows how to open the side window.



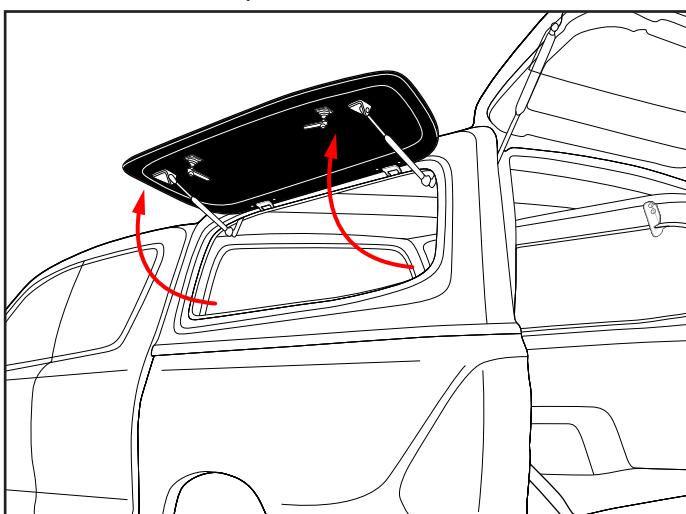
User manual



Glass Birdwing Window Left-Right
(Handle Lock)

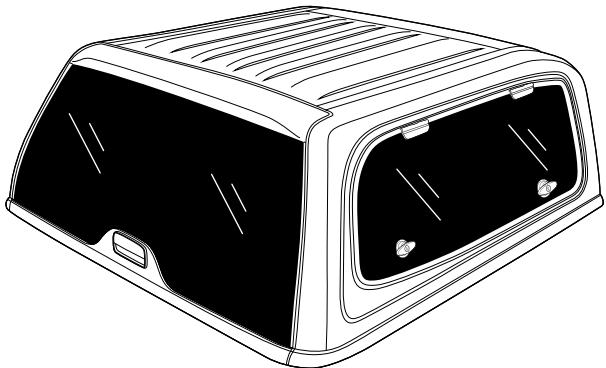


Turn around the canopy lock as shown in picture to
open the side window.

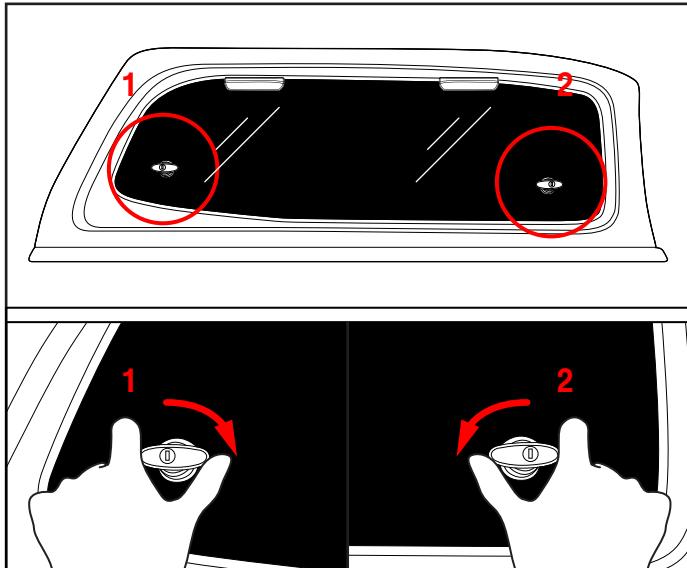


Picture shows how to open the side window.

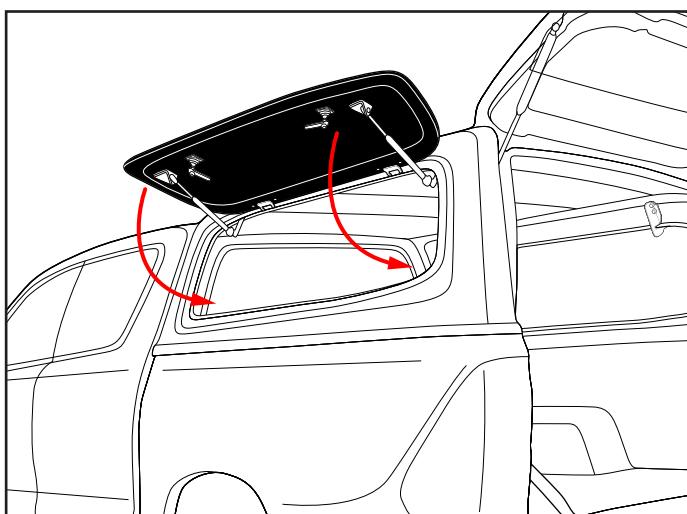
User manual



Glass Birdwing Window Left-Right
(Handle Lock)



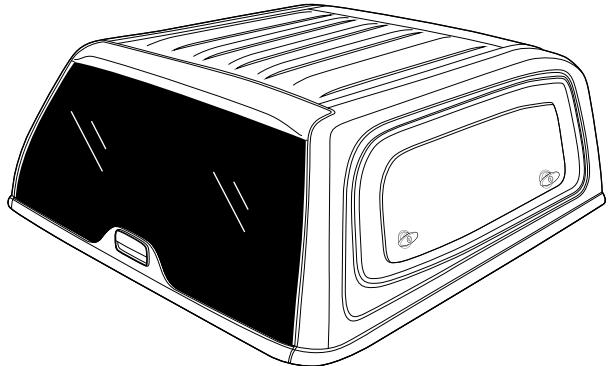
Turn around the canopy lock as shown in picture to
close the side window.



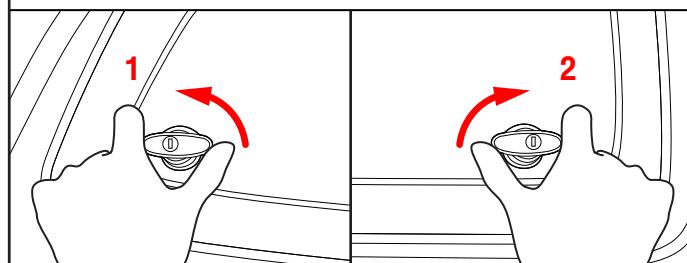
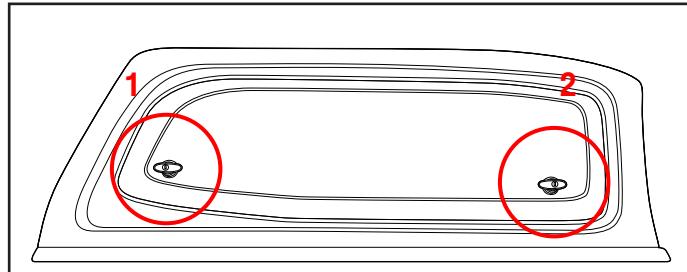
Picture shows how to close the side window.



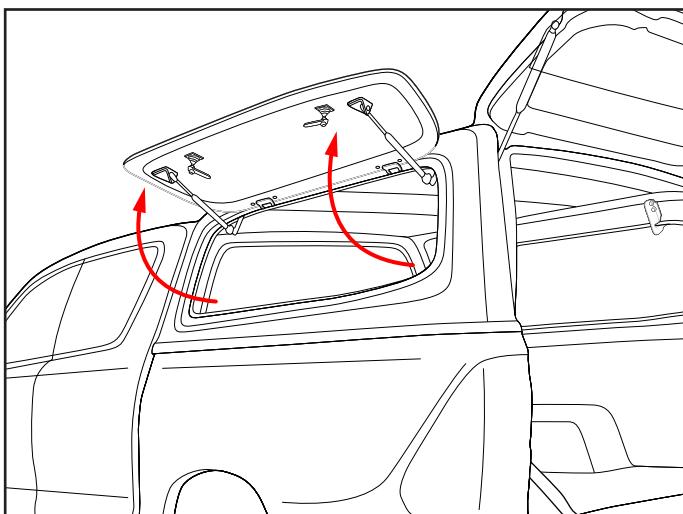
User manual



**Solid Birdwing Window Left-Right
(Handle Lock)**

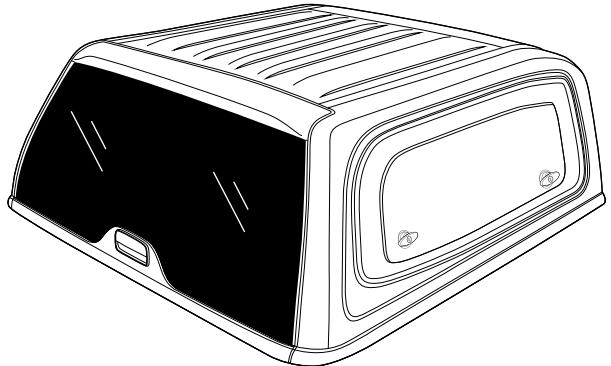


Turn around the canopy lock as shown in picture to open the side window.

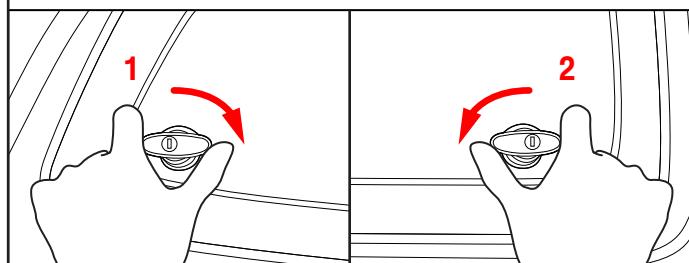
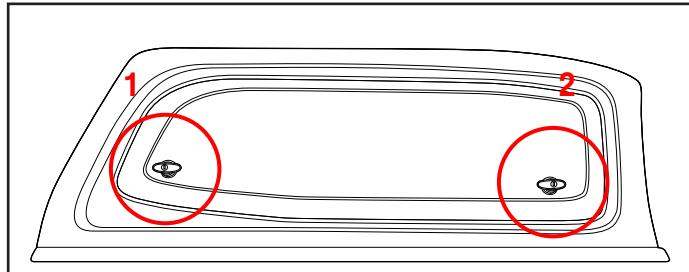


Picture shows how to open the side window.

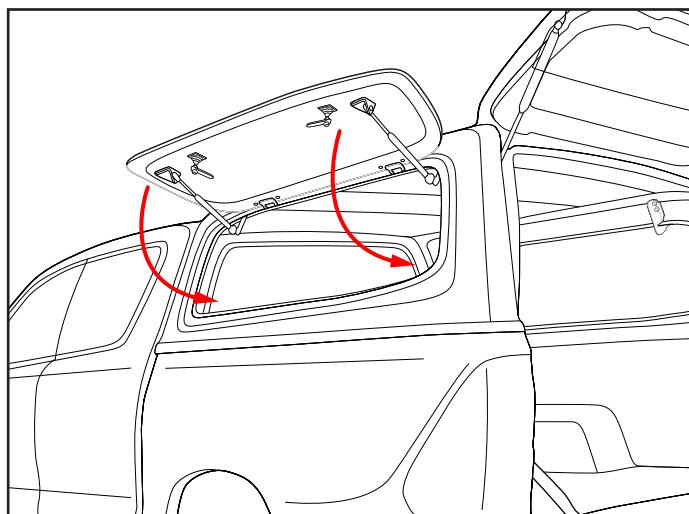
User manual



**Solid Birdwing Window Left-Right
(Handle Lock)**



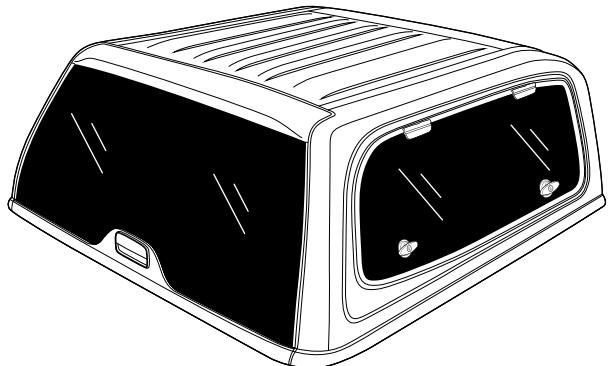
Turn around the canopy lock as shown in picture to close the side window.



Picture shows how to close the side window.

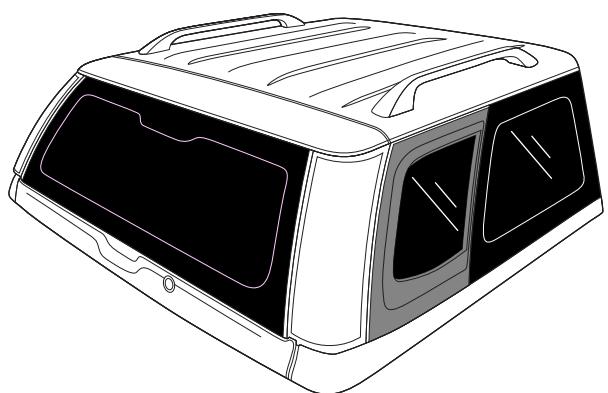


User manual



Backdoor

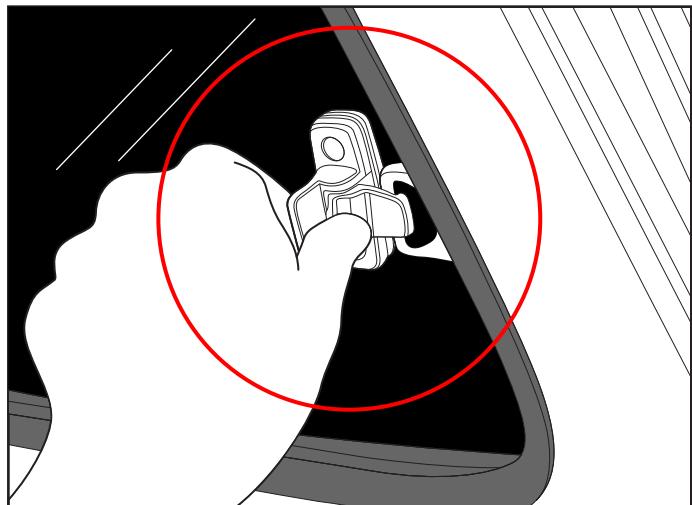
User manual



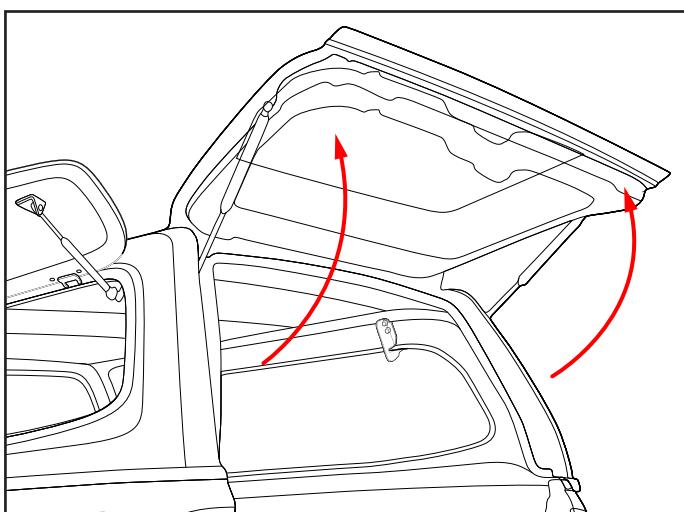
Slide Window (Left-Right)



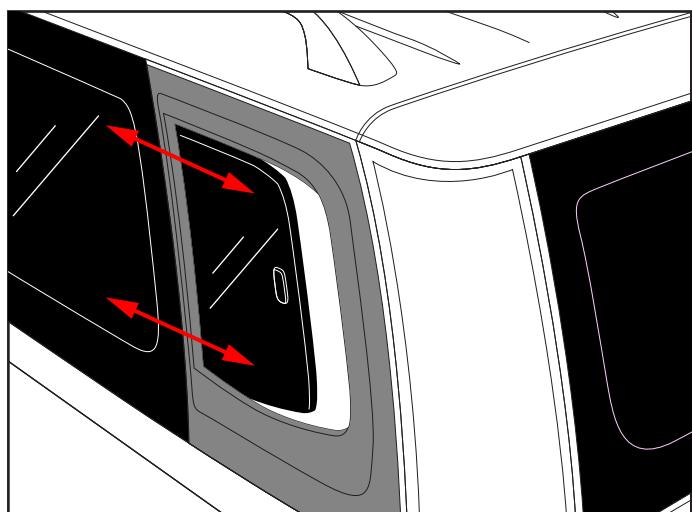
Use the handle as shown in picture to open the backdoor.



Squeeze the lock side to open.



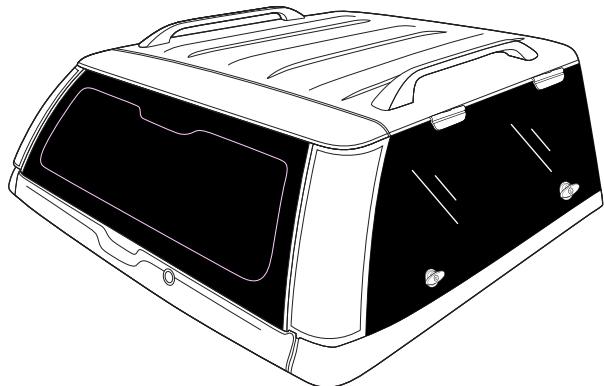
The Picture shows how to open the backdoor.



The Picture shows how to open the side window.

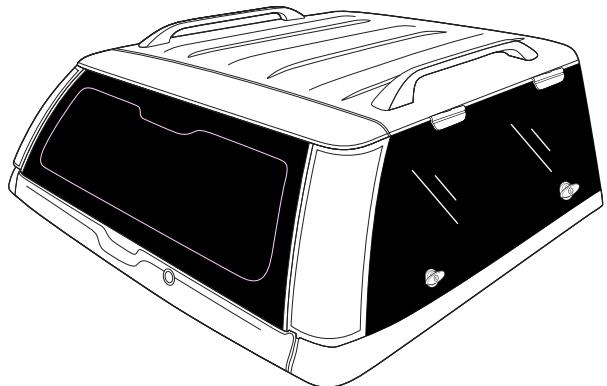


User manual

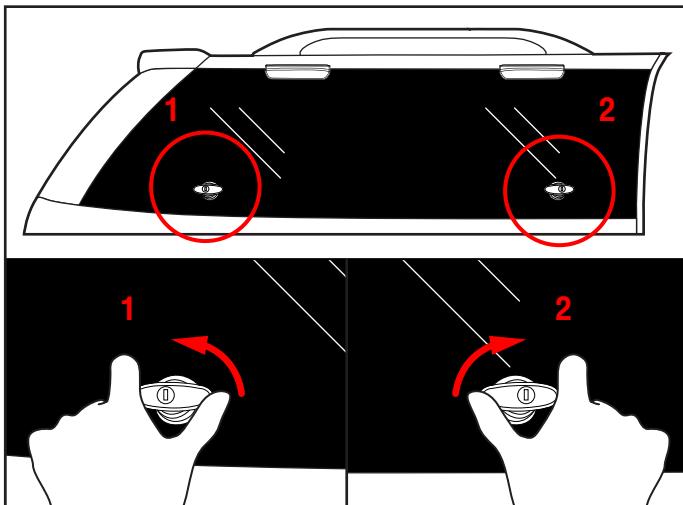


Glass Birdwing Window Left-Right
(Handle Lock)

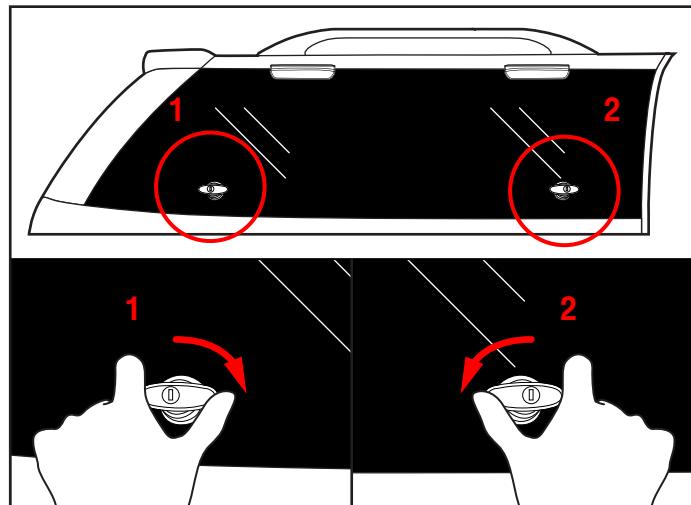
User manual



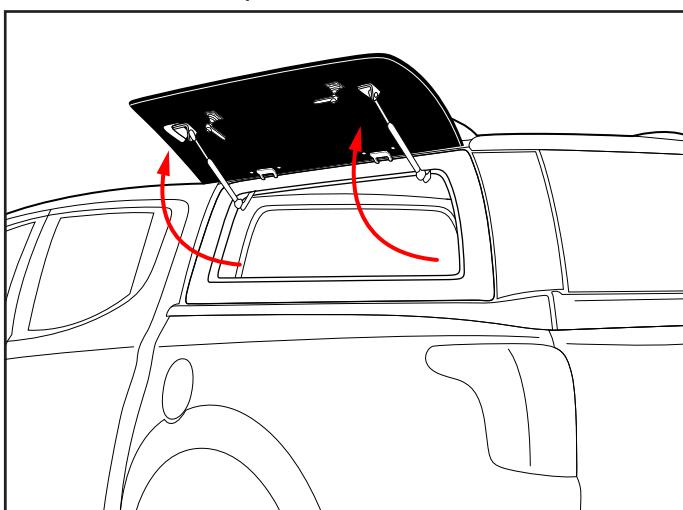
Glass Birdwing Window Left-Right
(Handle Lock)



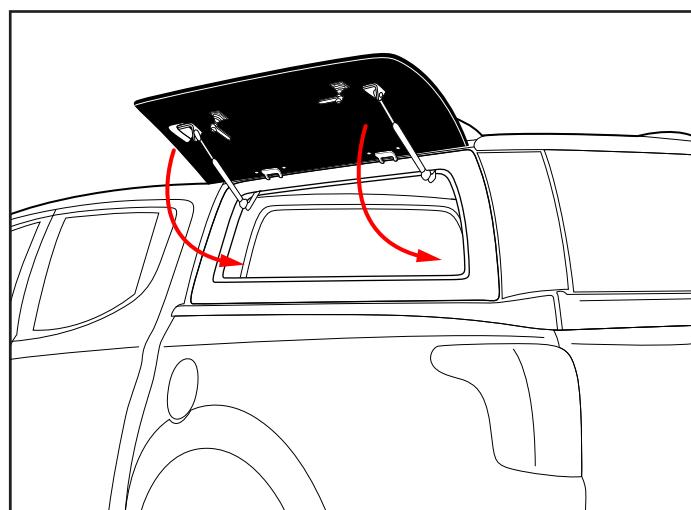
Turn around the canopy lock as shown in picture to
open the side window.



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



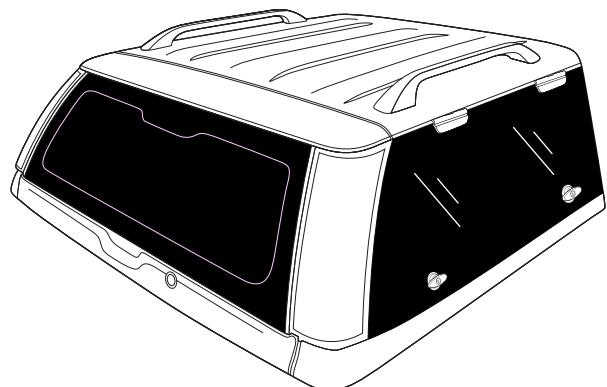
Picture shows how to open the side window.



Picture shows how to close the side window.

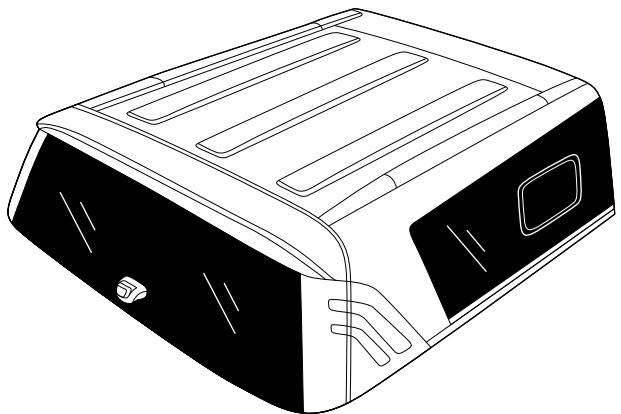


User manual

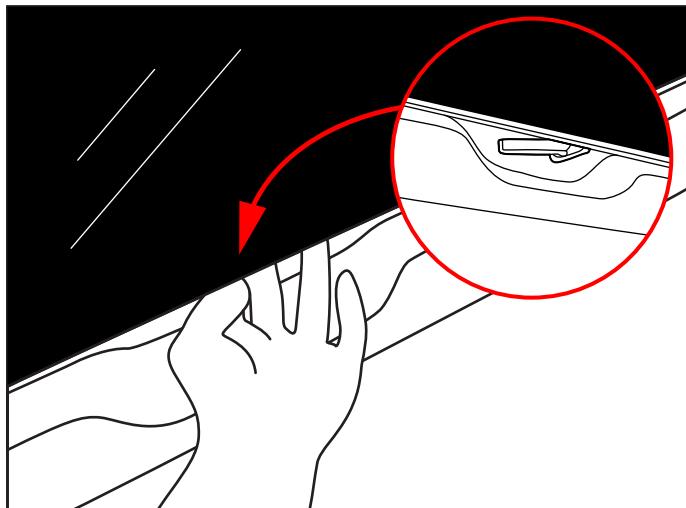


Backdoor

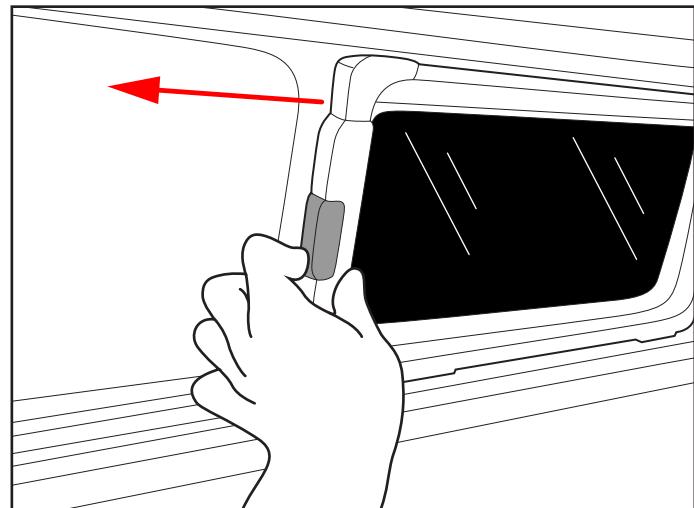
User manual



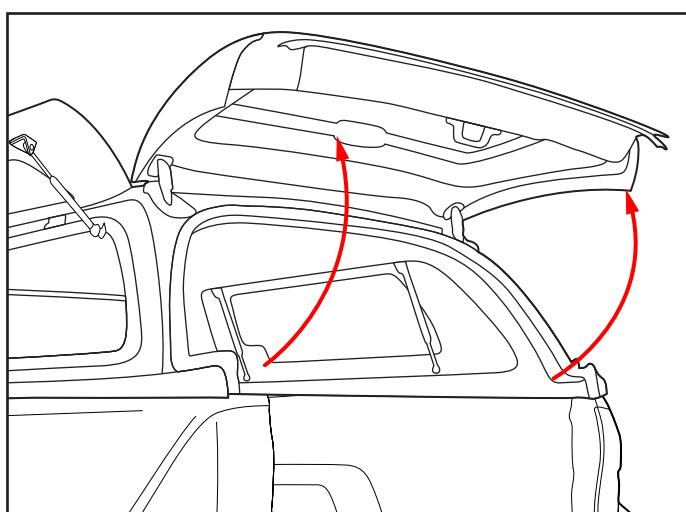
Slide Window (Left-Right)



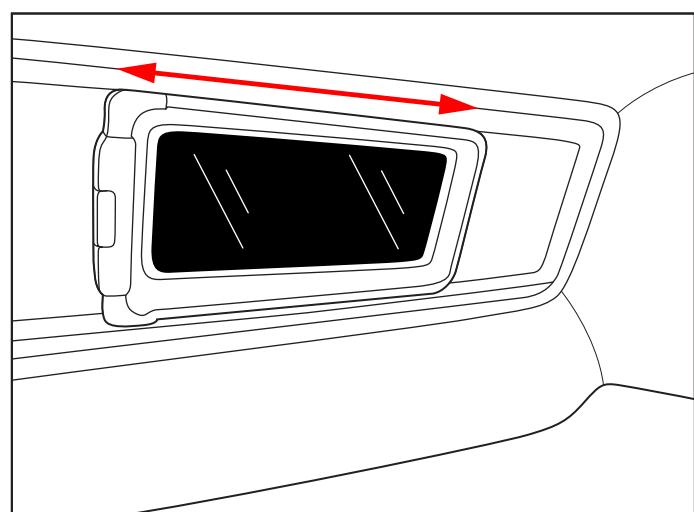
Pull the stick of handle to open the back door.



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



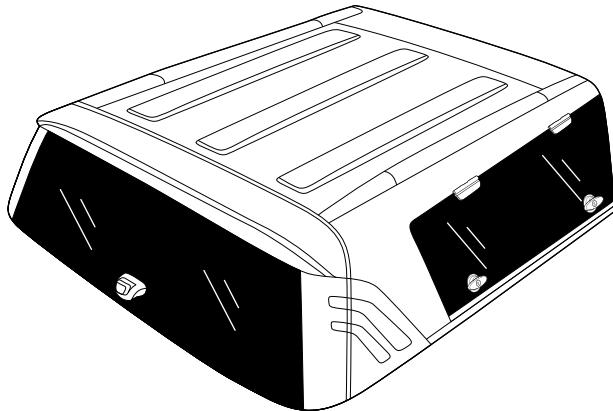
The Picture shows how to open the backdoor.



Picture shows how to open the side window from inside.

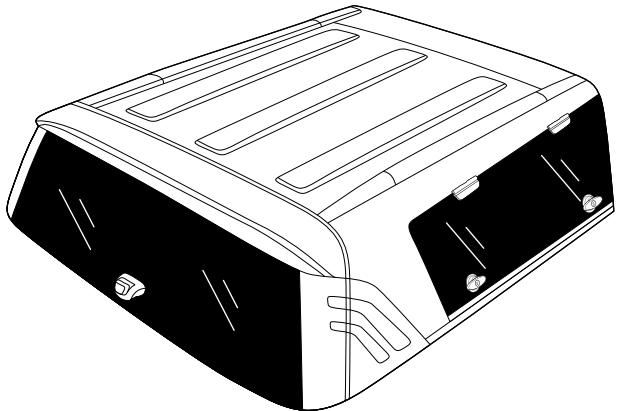


User manual

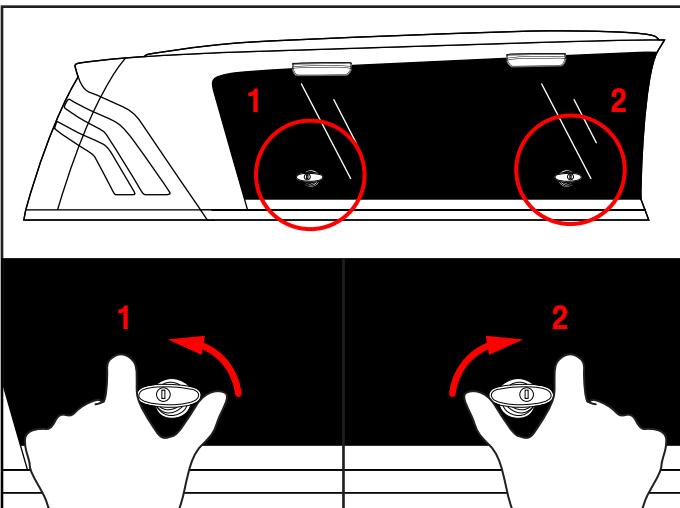


Glass Birdwing Window Left-Right
(Handle Lock)

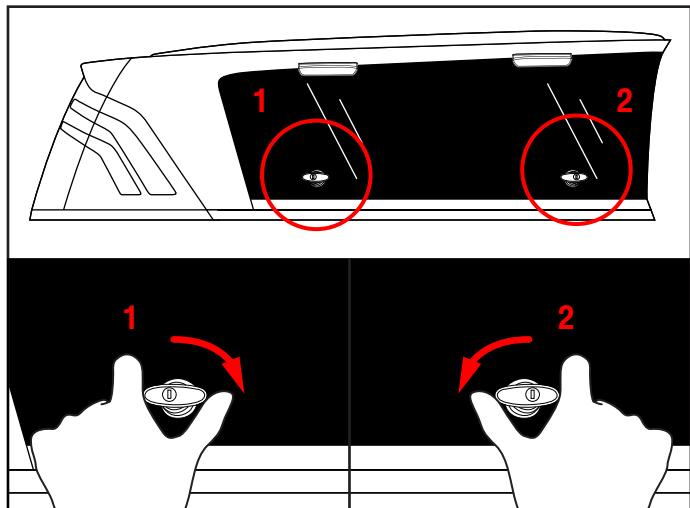
User manual



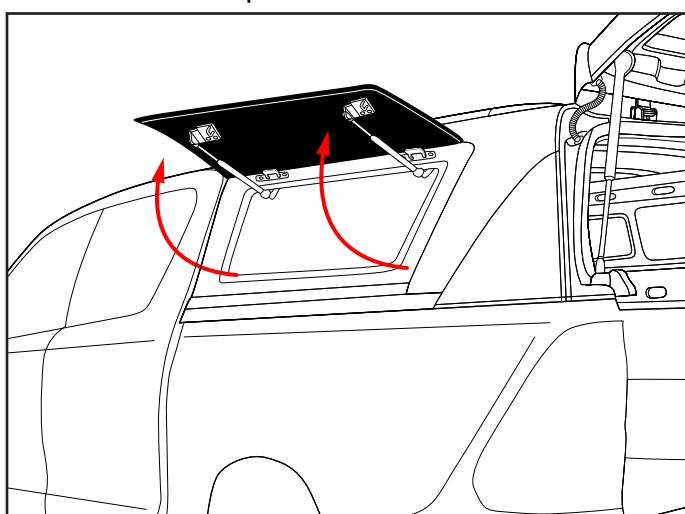
Glass Birdwing Window Left-Right
(Handle Lock)



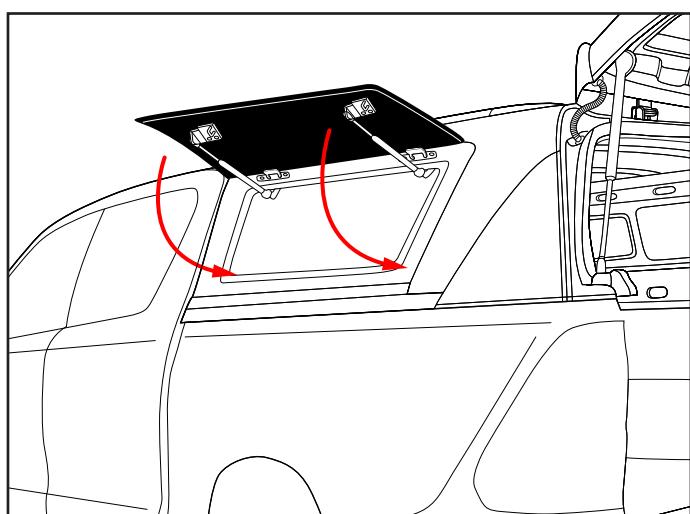
Turn around the canopy lock as shown in picture to
open the side window.



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



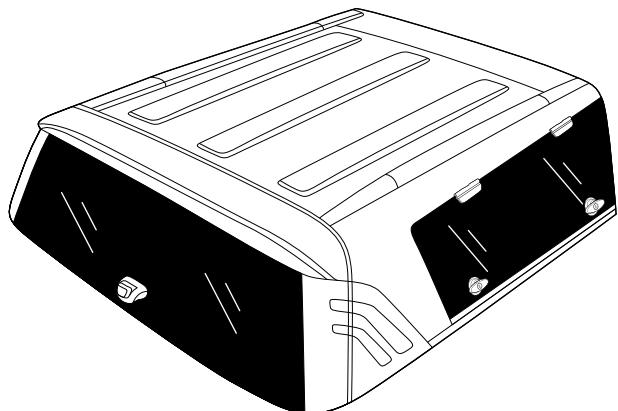
Picture shows how to open the side window.



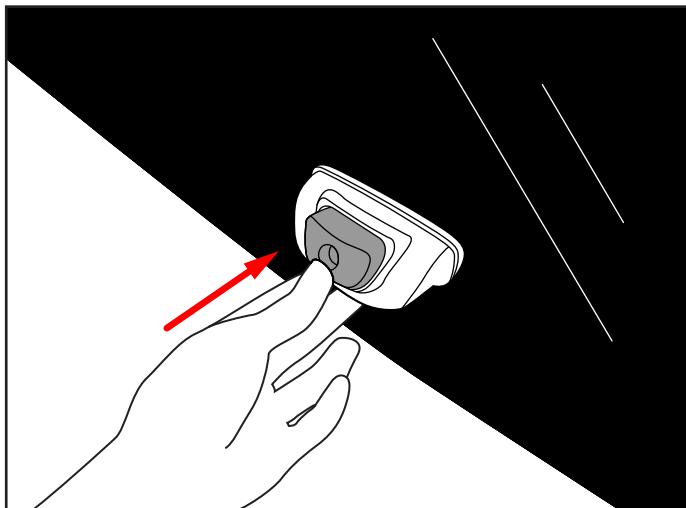
Picture shows how to close the side window.



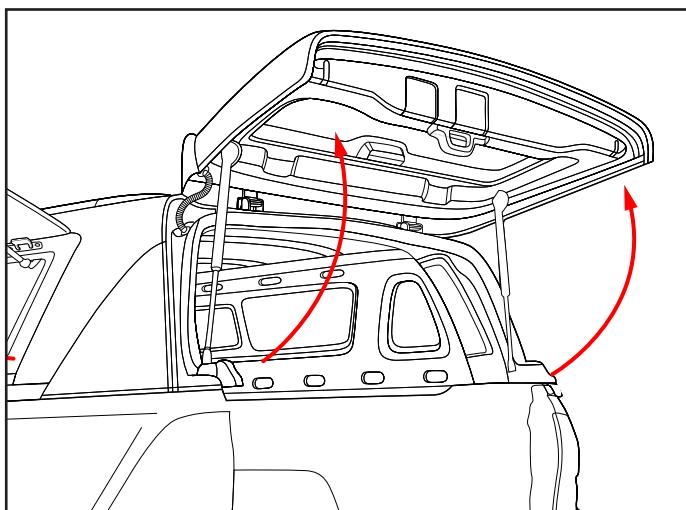
User manual



Backdoor



Push the button to open the back door.



The Picture shows how to open the backdoor.