



SAMMITR

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

Version 1.0



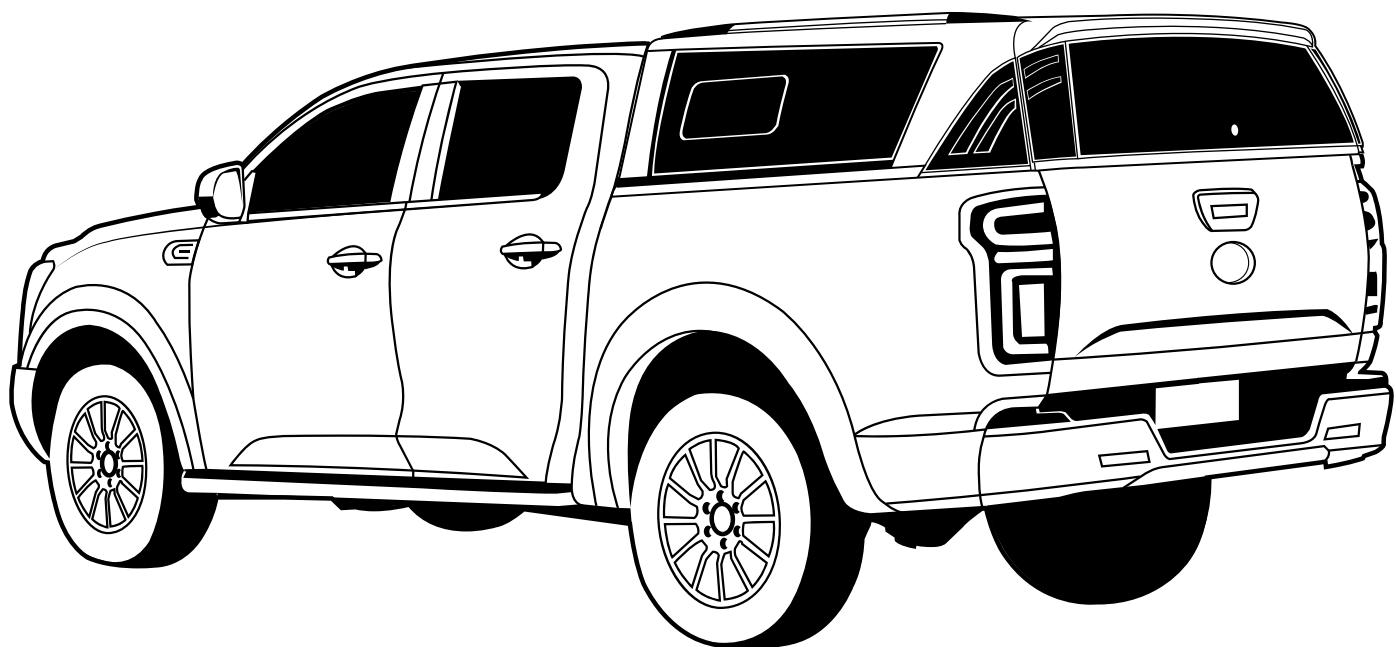
SAMMITR

**Mechanical Installation
Manual
for
Great Wall Canon
2021**





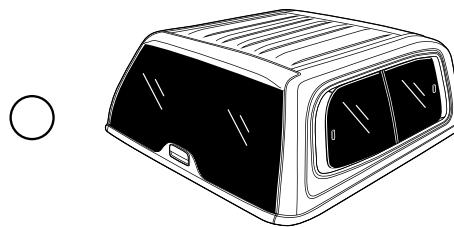
SAMMITR



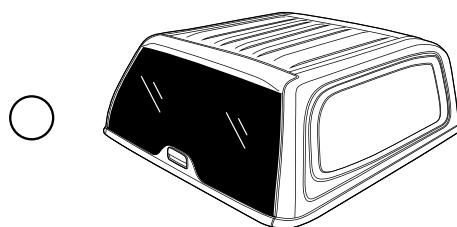


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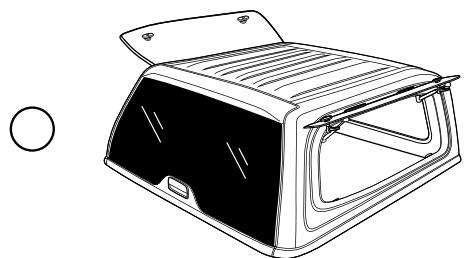
■ Steel Canopy S-Plus V2



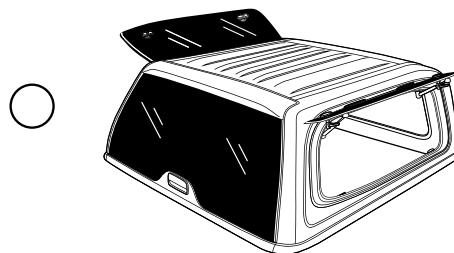
Glass Slide Window



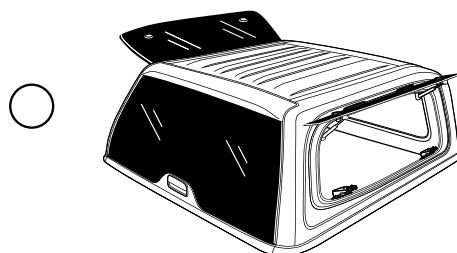
Solid Window



Solid Birdwing Window (Handle Lock)

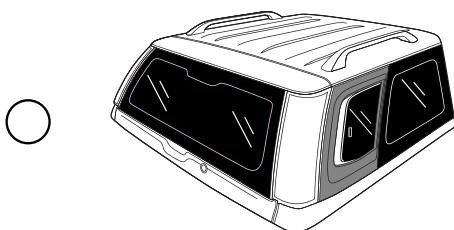


Glass Birdwing Window (Handle Lock)

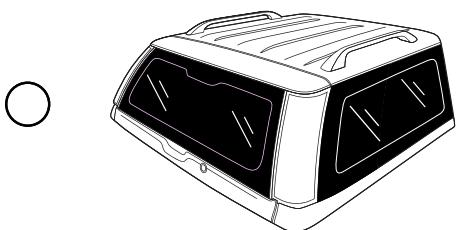


Glass Birdwing Window (Electric Lock)

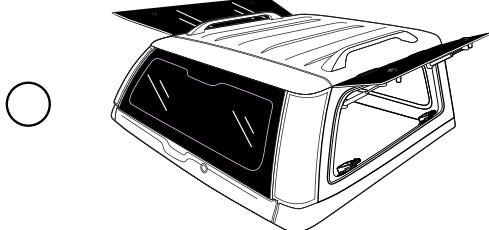
■ Steel Canopy SUV-Plus V4



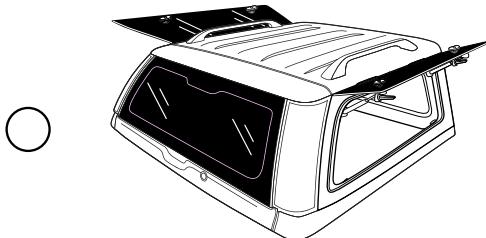
Glass Slide Window



Glass Fix Window

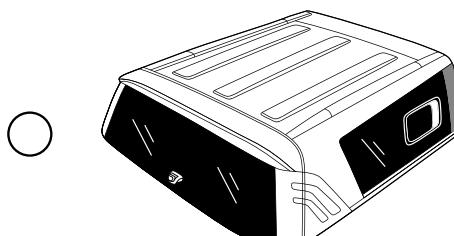


Glass Birdwing Window (Electric Lock)

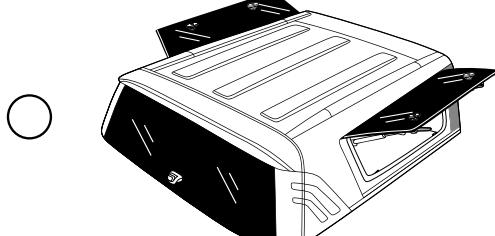


Glass Birdwing Window (Handle Lock)

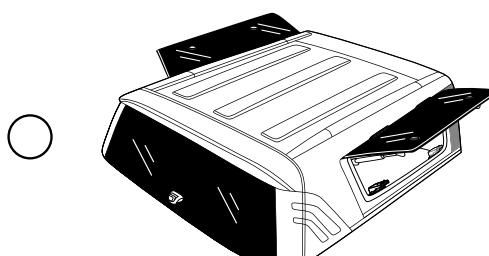
■ Steel Canopy TL-1



Glass Slide Window



Glass Birdwing Window (Handle Lock)



Glass Birdwing Window (Electric Lock)

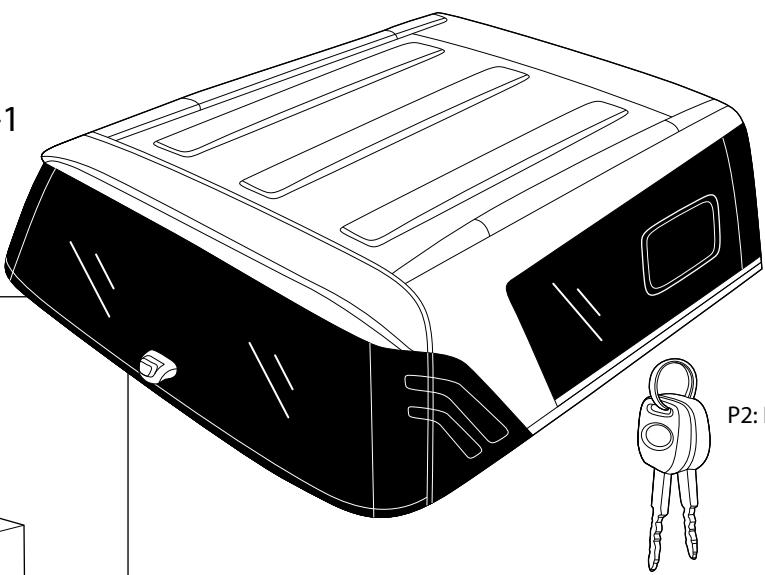


Mechanical Installation Manual All Models

Steel Canopy : TL-1
Version 1.0

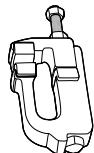
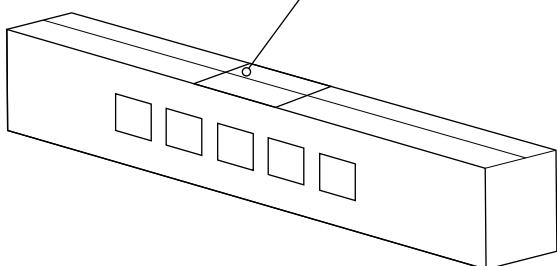
Part In Main Carton

P1: Steel Canopy TL-1



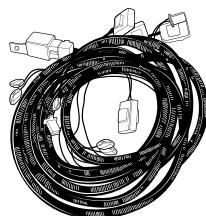
Kit Box

Part List Paper



C-Clamp

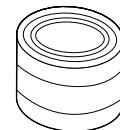
x4 (D-Cab)
x6 (C-Cab)



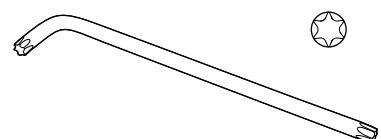
Wiring No.51



Switch Case

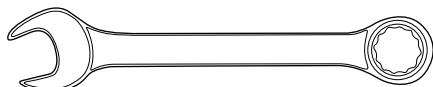


T Paint

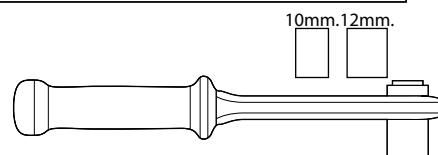


T6 : Hexalobular Wrench # T40

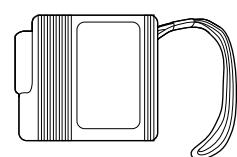
Require Tools



T1 : 13 mm. Wrench



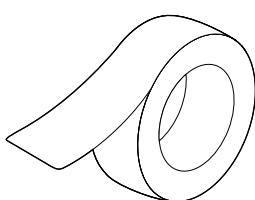
T3 : 10,12mm. Torque Wrench



T7 : Measuring Tape/Ruler



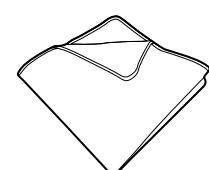
T2 : 10 mm. Wrench



T4 : Tape



T5 : Electric Tape

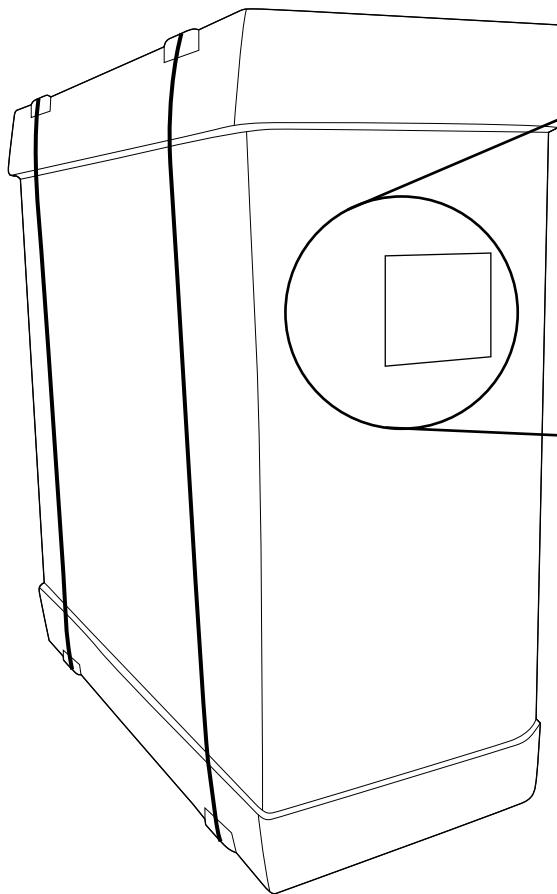


T8 : Fabric



1

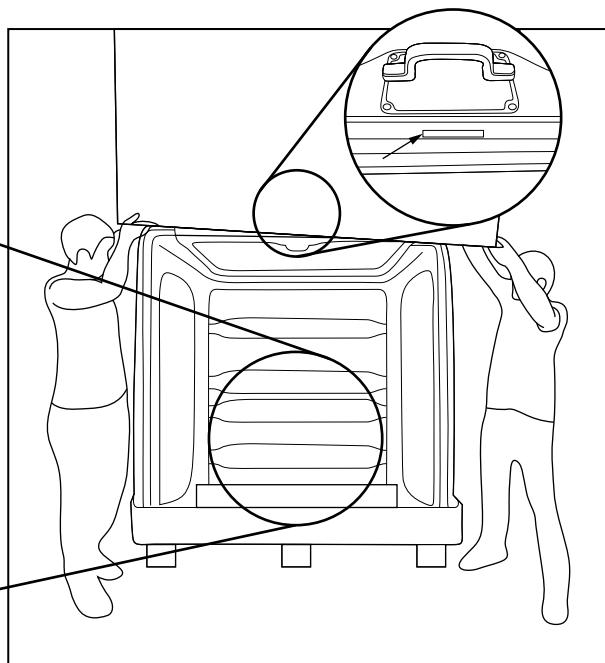
The Procedure of checking the Sammitr canopy box before installation.



Brand
Model
Type
Year
Color
Part number
Serial number

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

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

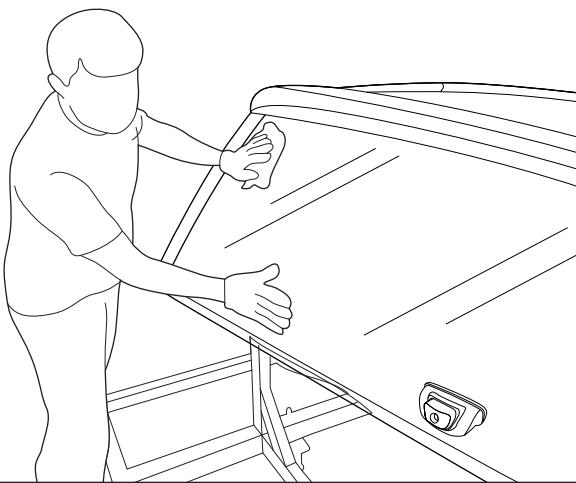


Packing List



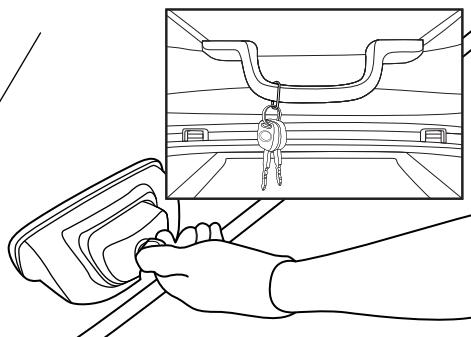
2 The preparation process of Sammitr Canopy TL-1 model before installation with the vehicle.

1

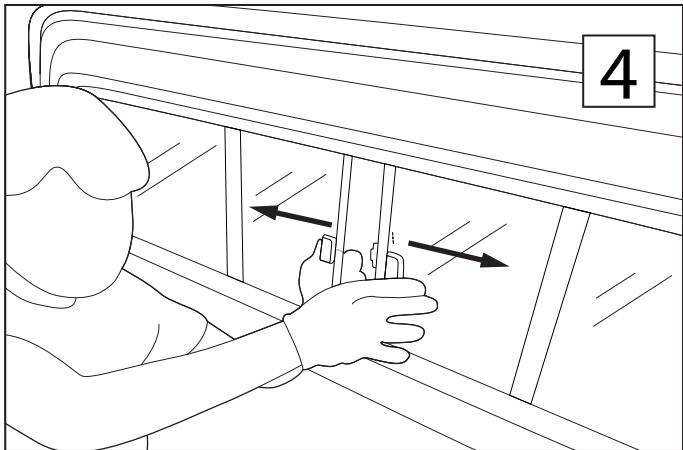


1. Canopy have to be in good condition, no damage, dent, cracks, smooth surface including no window damages or cracks.
2. Locking system is working for both keys.
3. Canopy sides are not damage, dent or cracks.
4. Canopy front window panel is working (open/close), no cracks or damages occurrences.
5.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

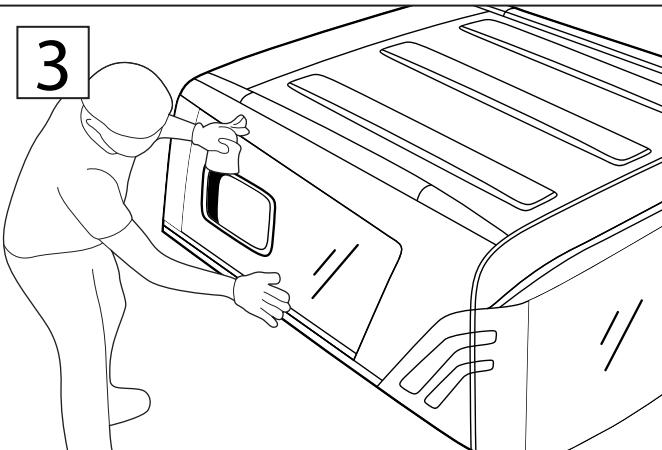
2



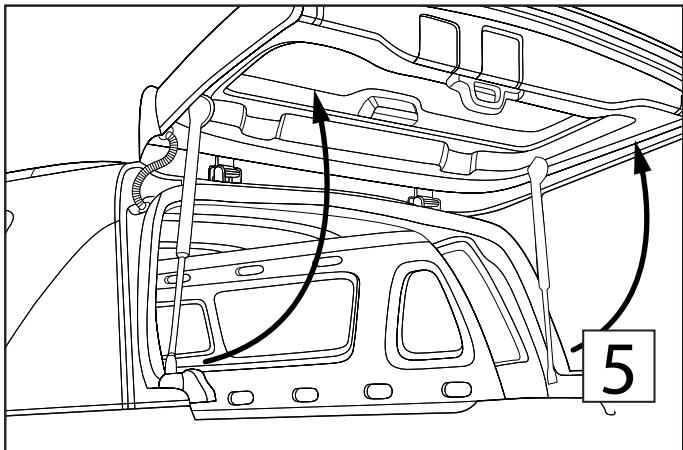
4



3

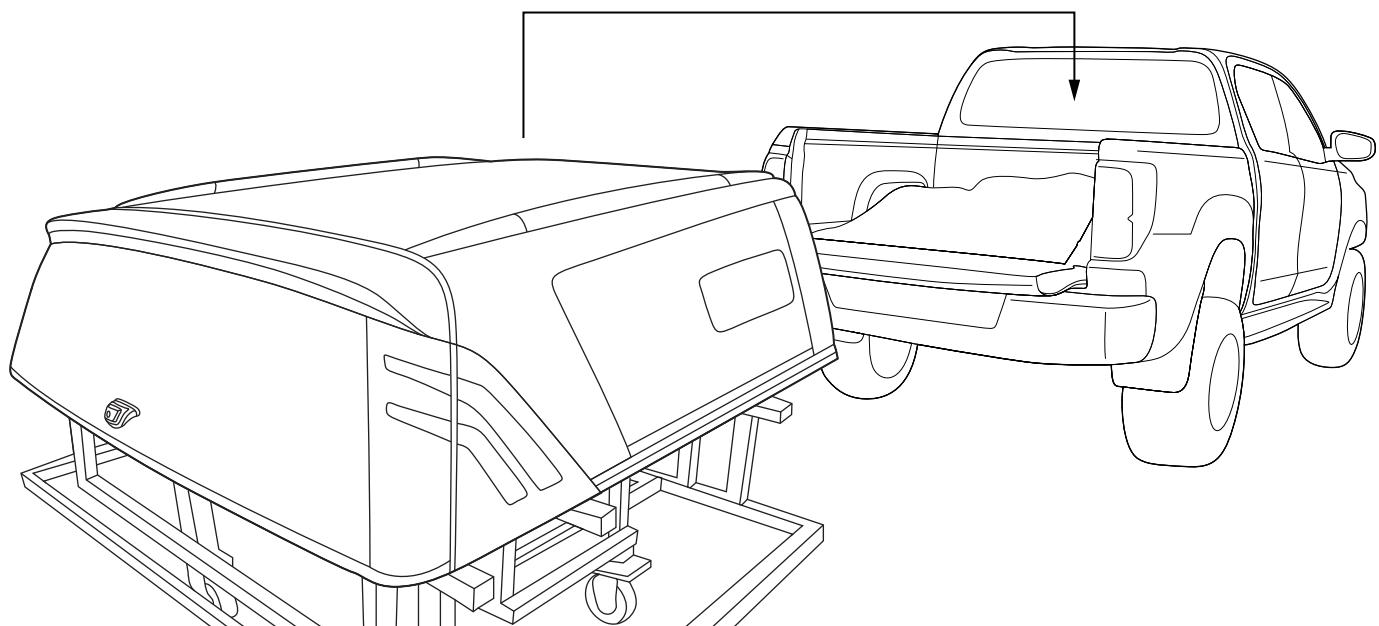


5

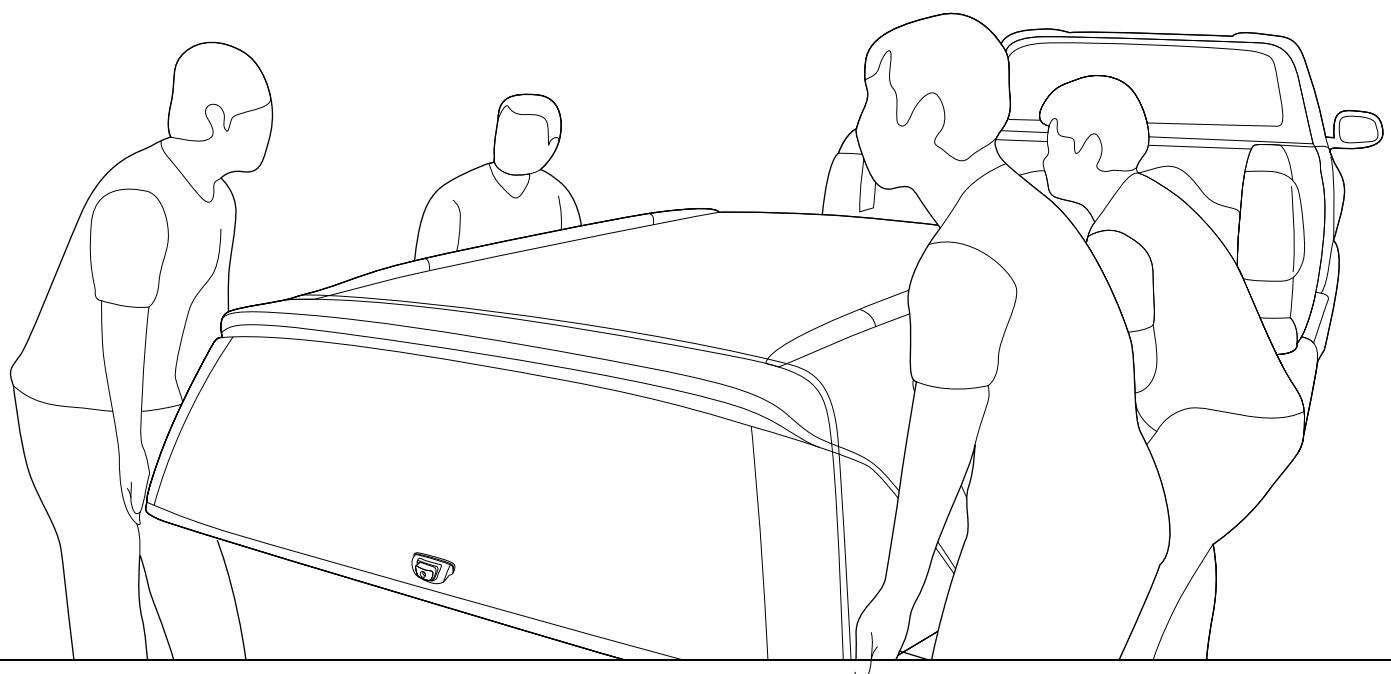




3 The process of preparing Sammitr Canopy TL-1 model before install on the vehicle.



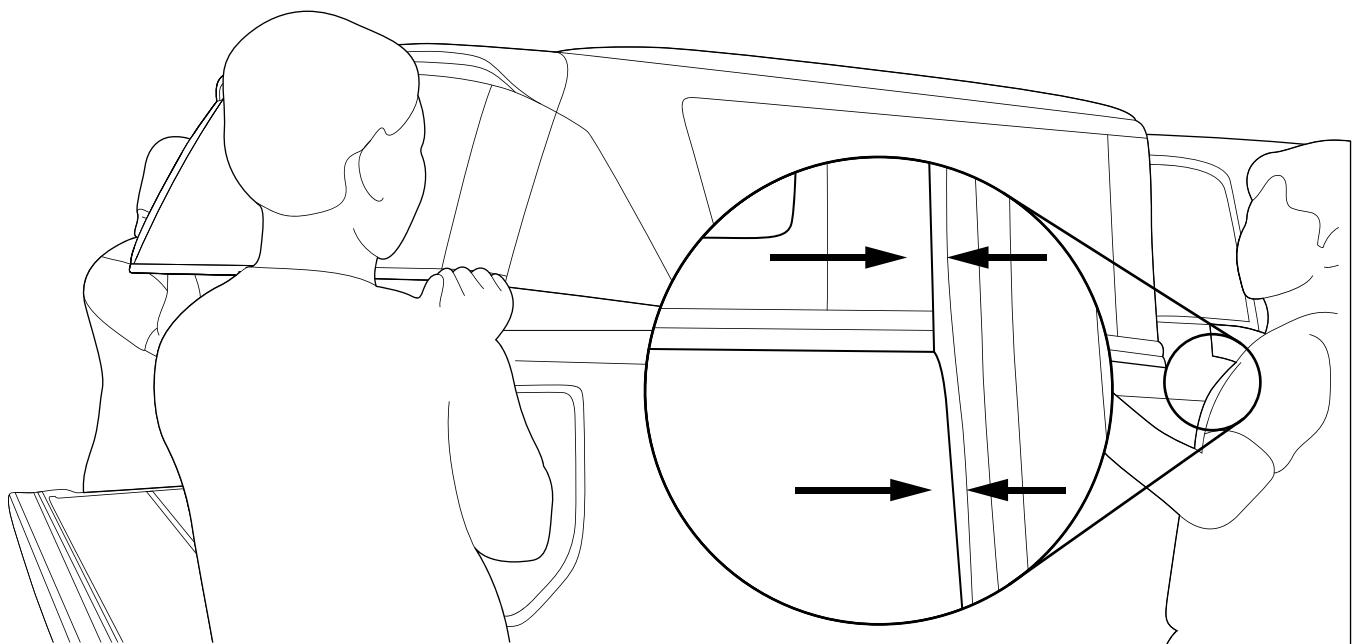
4



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

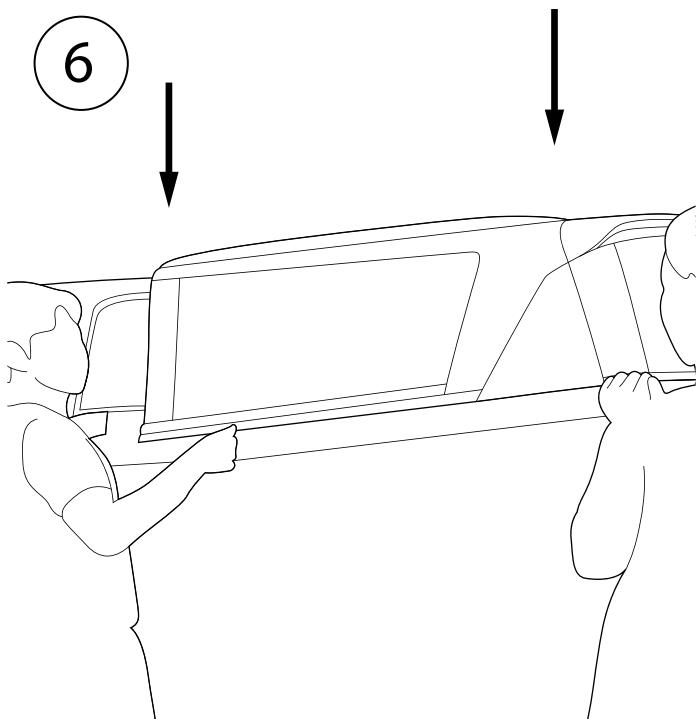


5

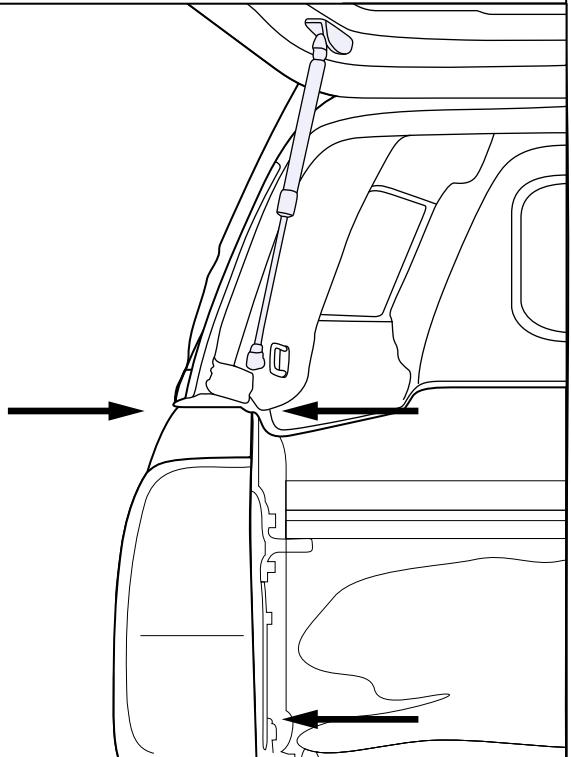


Lift canopy over the pick up truck by rising the rear part higher and the front part to be in the parallel with the edge of the vehicle tub.

6



7



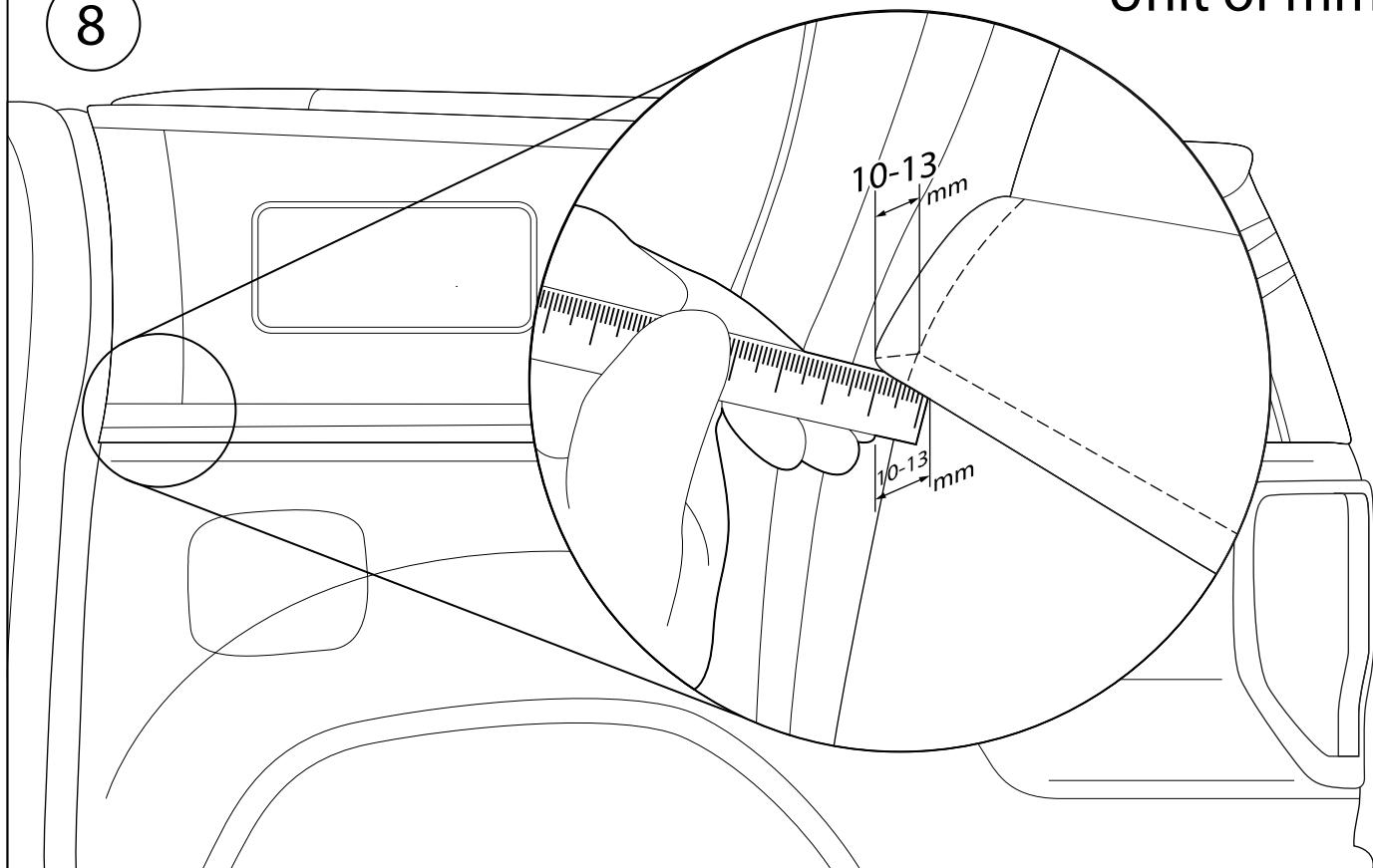
After get the distance in front part and then put the rear part to cover the vehicle tub12

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



8

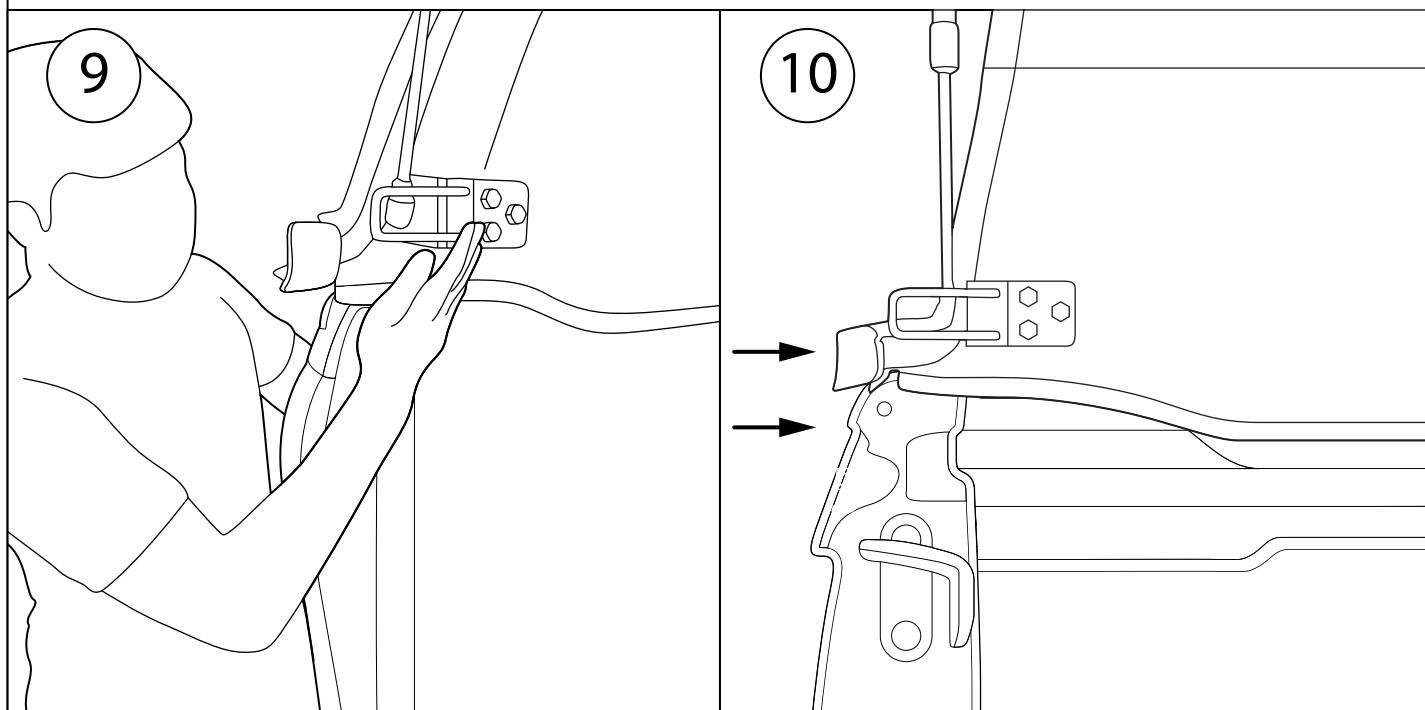
Unit of mm.



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

9

10

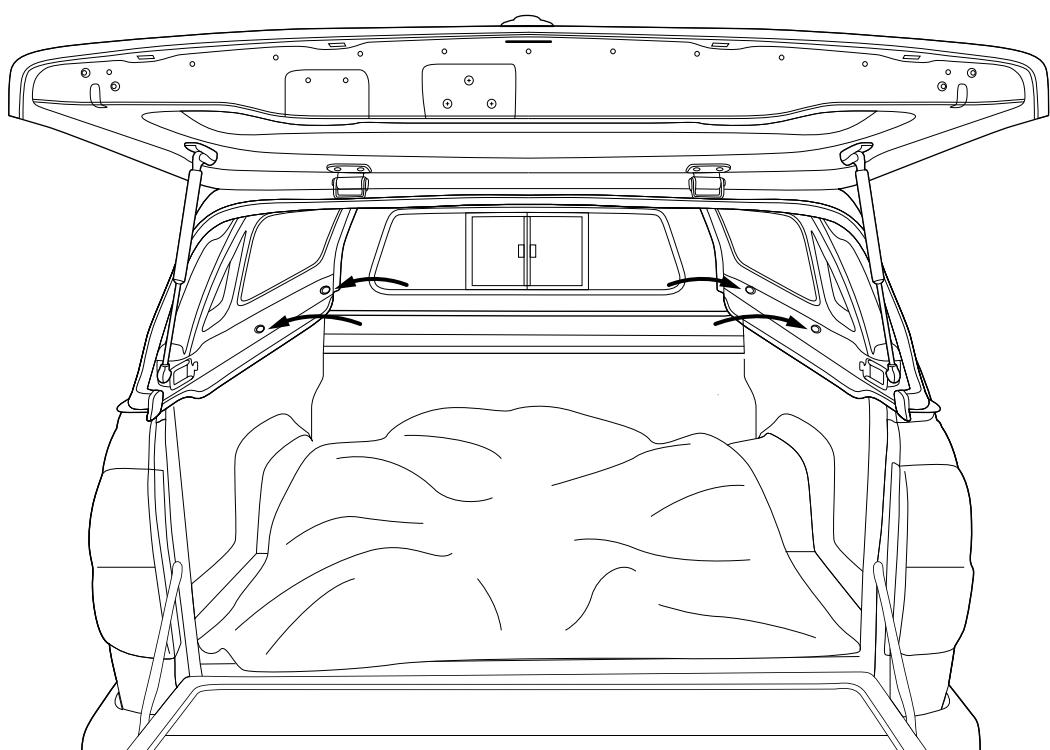


After finished measure the side part, check the distance at rear part of canopy which must have to be in the parallel with the Rear edge of the vehicle tub.



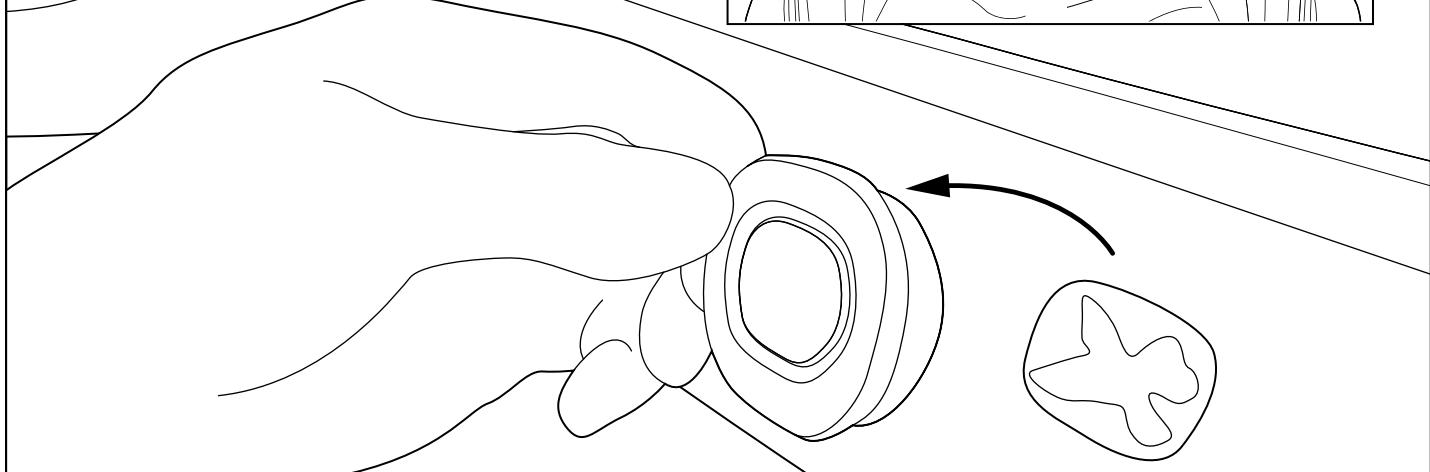
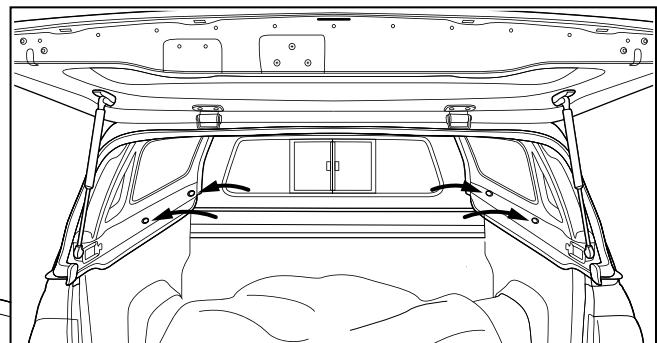
11

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



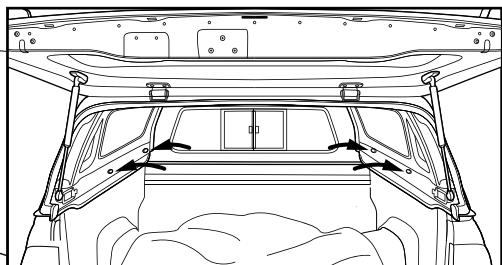
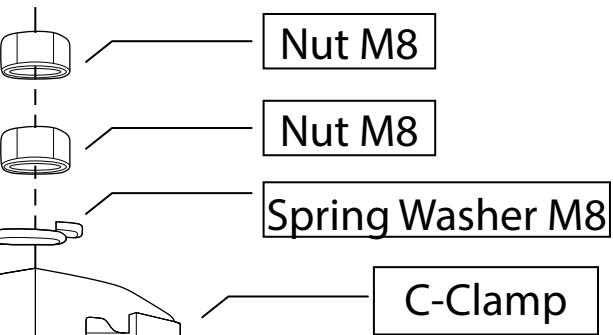
12

Open / take off the rubber plug

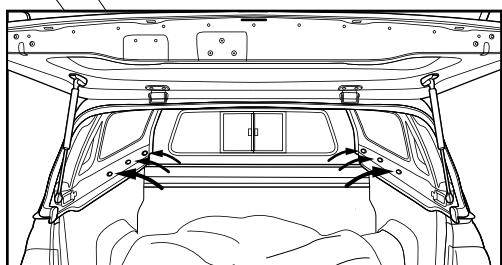




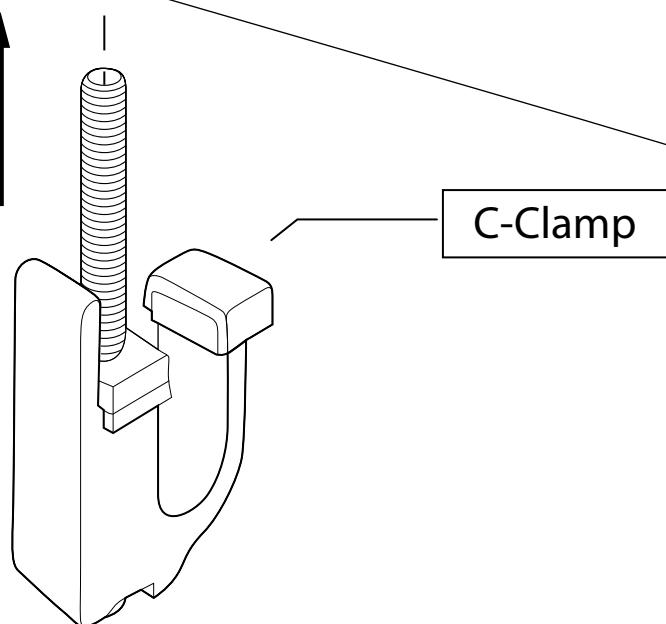
13



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



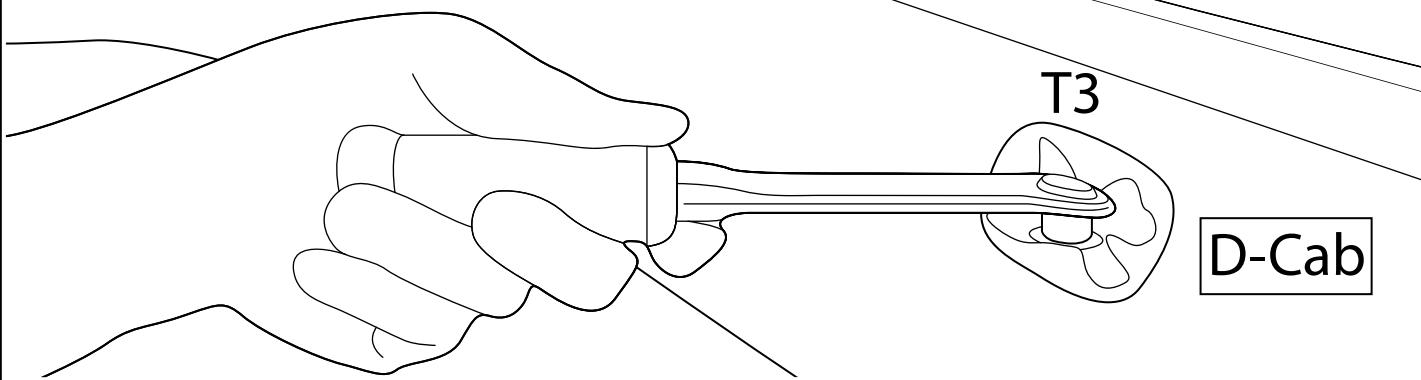
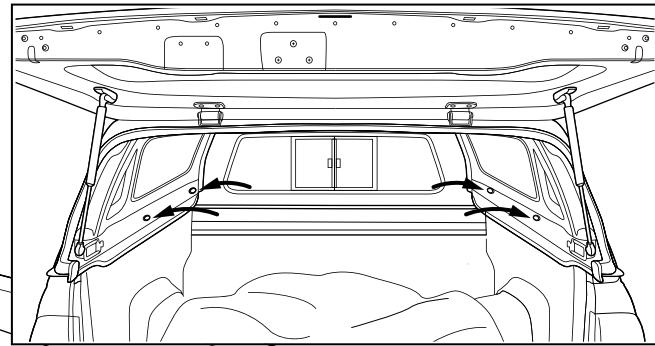
The process of C-Clamp installation onto the vehicle tub, all 4 positions (C-Cab).





14

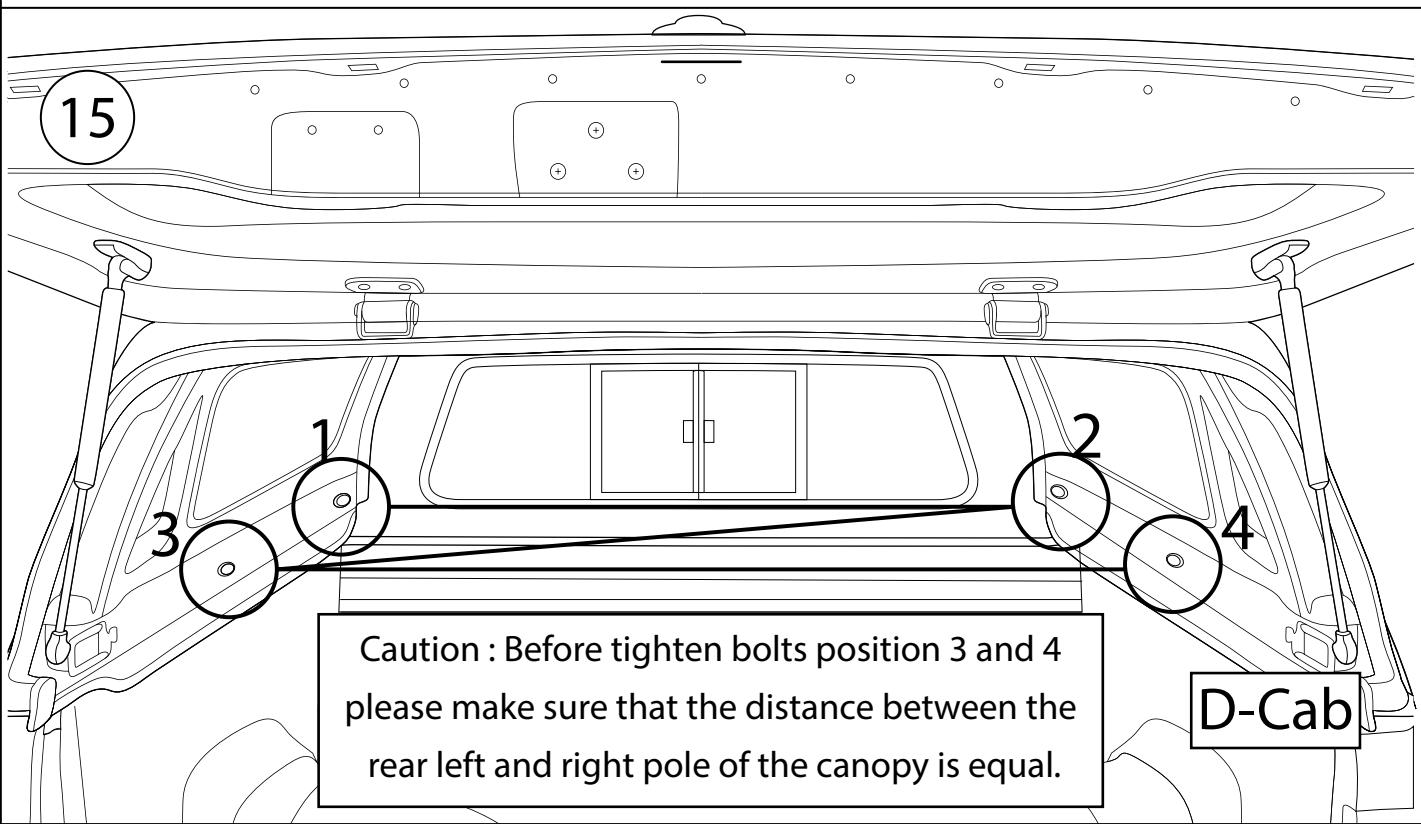
Tighten bolts of c-clamp by using pound wrench, with the pressure of 16 Nm.



Tighten canopy C-Clamp bolts with vehicle all 4 positons.

15

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

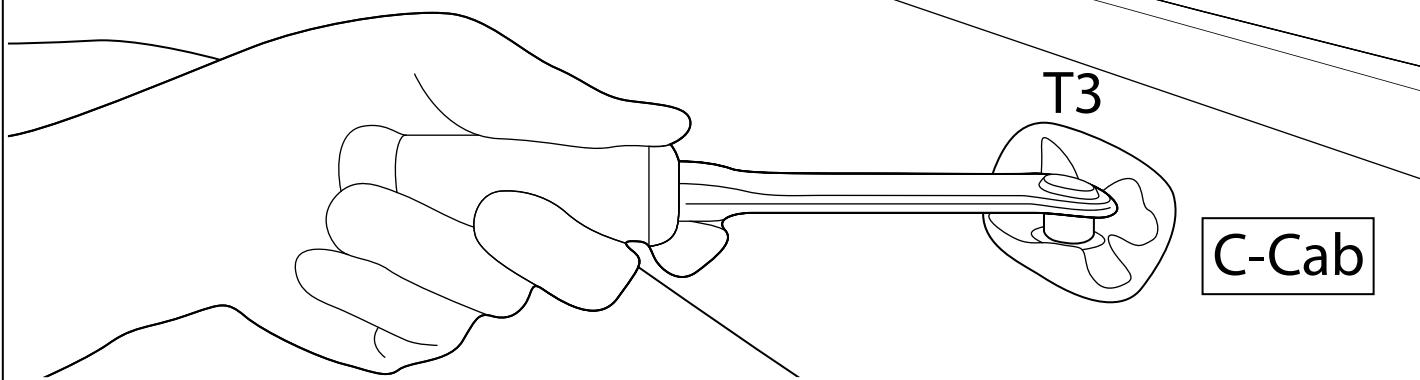
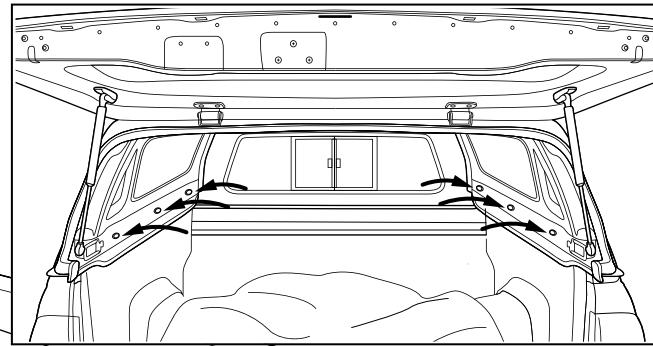


Steps of canopy C-Clamp bolts tightening onto vehicle.



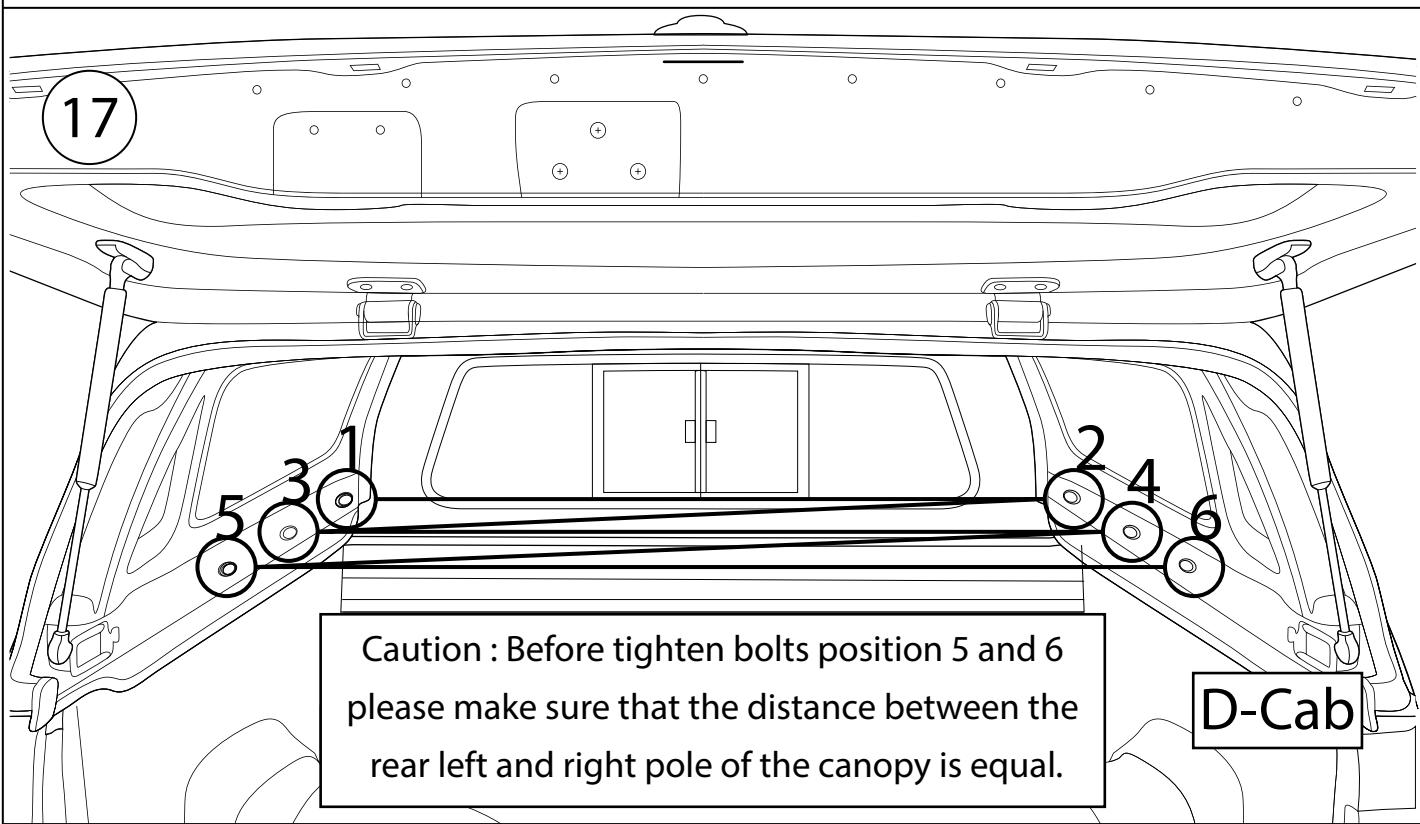
16

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



Tighten canopy C-Clamp bolts with vehicle all 4 positons.

17



Steps of canopy C-Clamp bolts tightening onto vehicle.



18

D-Cab

C-Clamp mounting positions
onto vehicle (Left).

19

D-Cab

C-Clamp mounting positions
onto vehicle Right).



20

C-Cab

C-Clamp mounting positions
onto vehicle (Left).

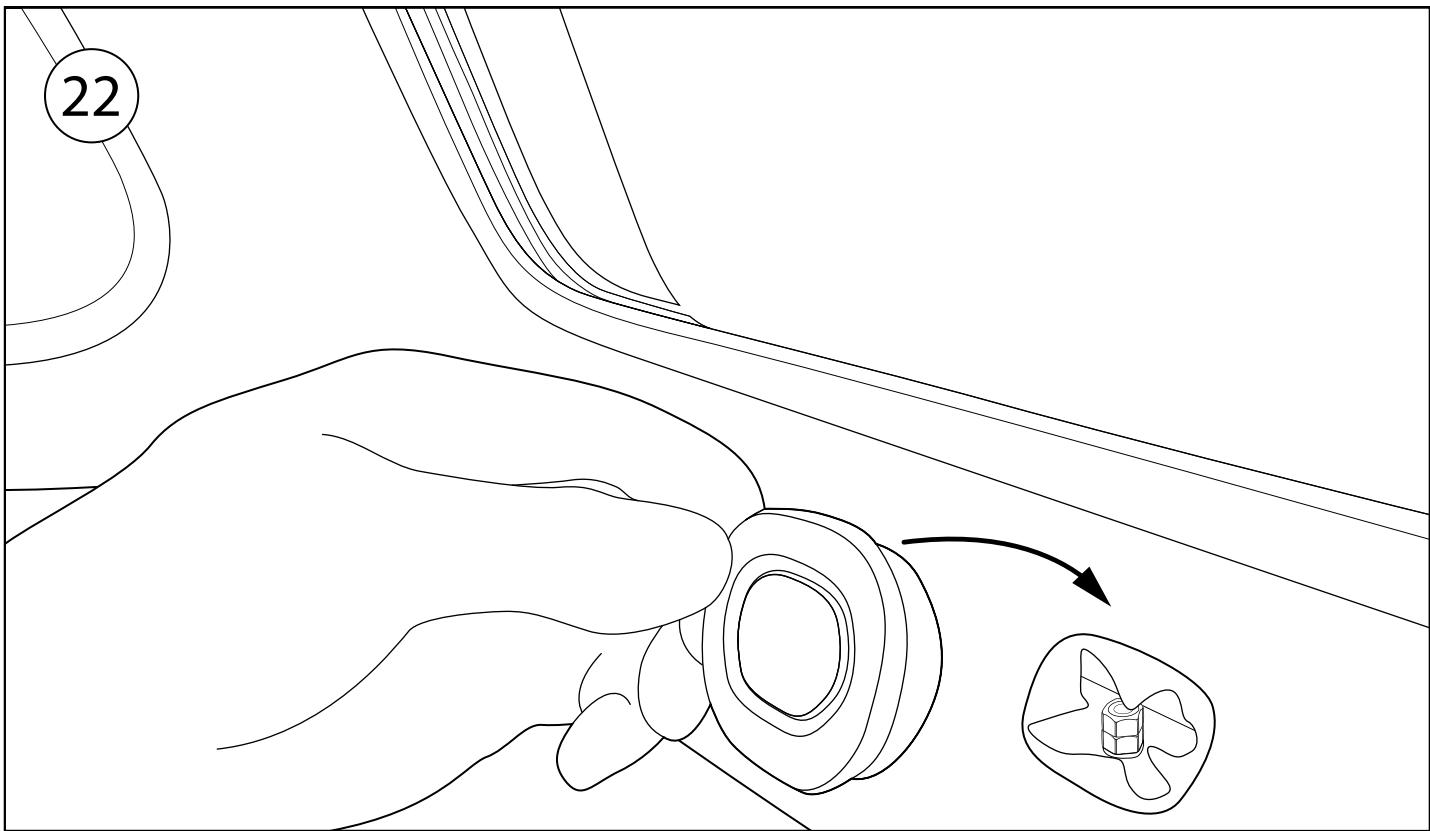
21

C-Cab

C-Clamp mounting positions
onto vehicle Right).

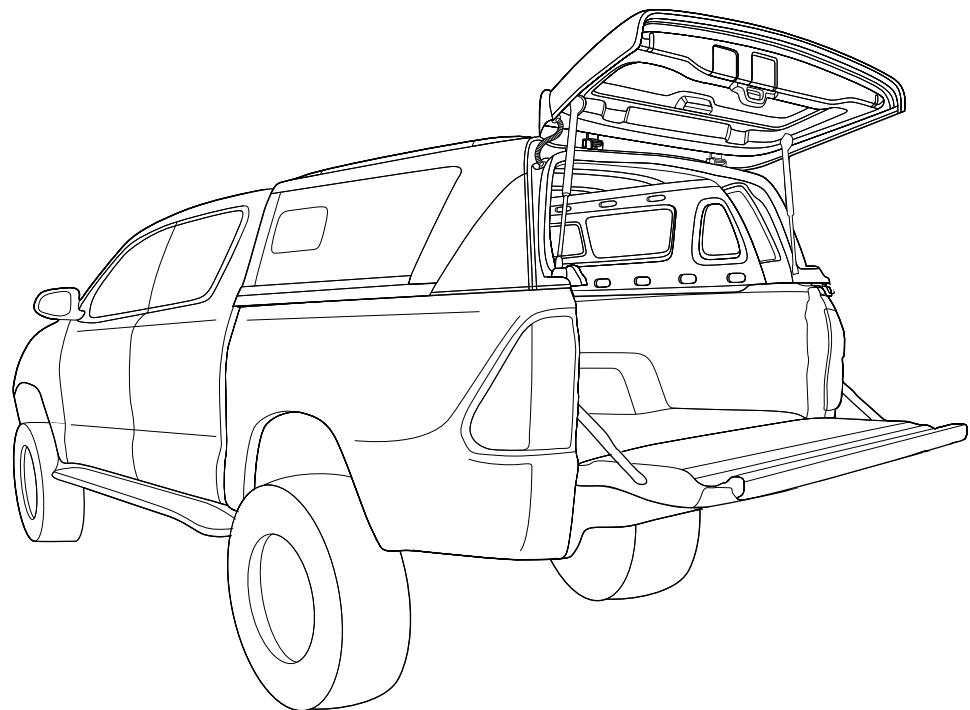


22



Close the rubber plug.

23

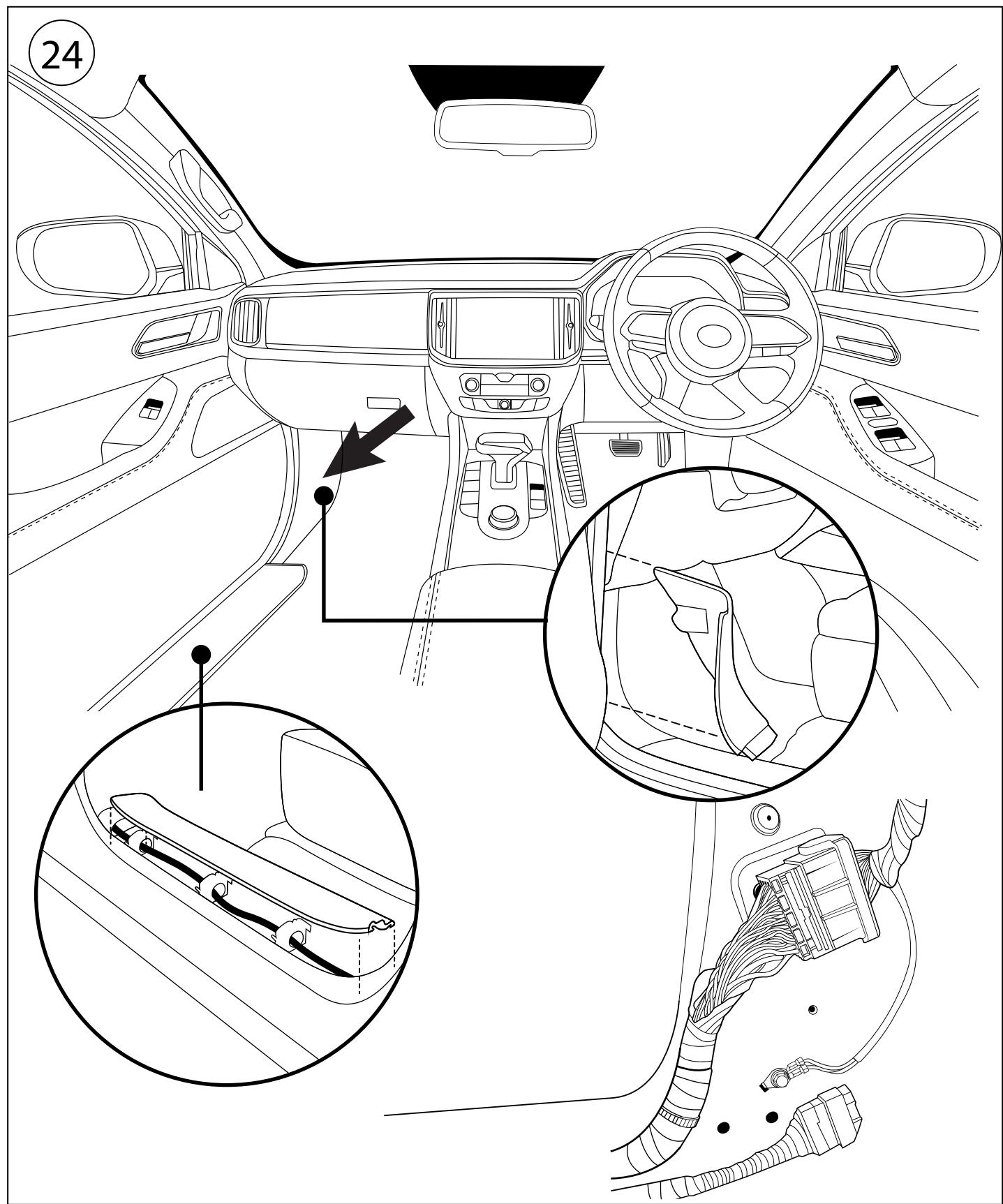


The process of canopy installation is completed.



SAMMITR

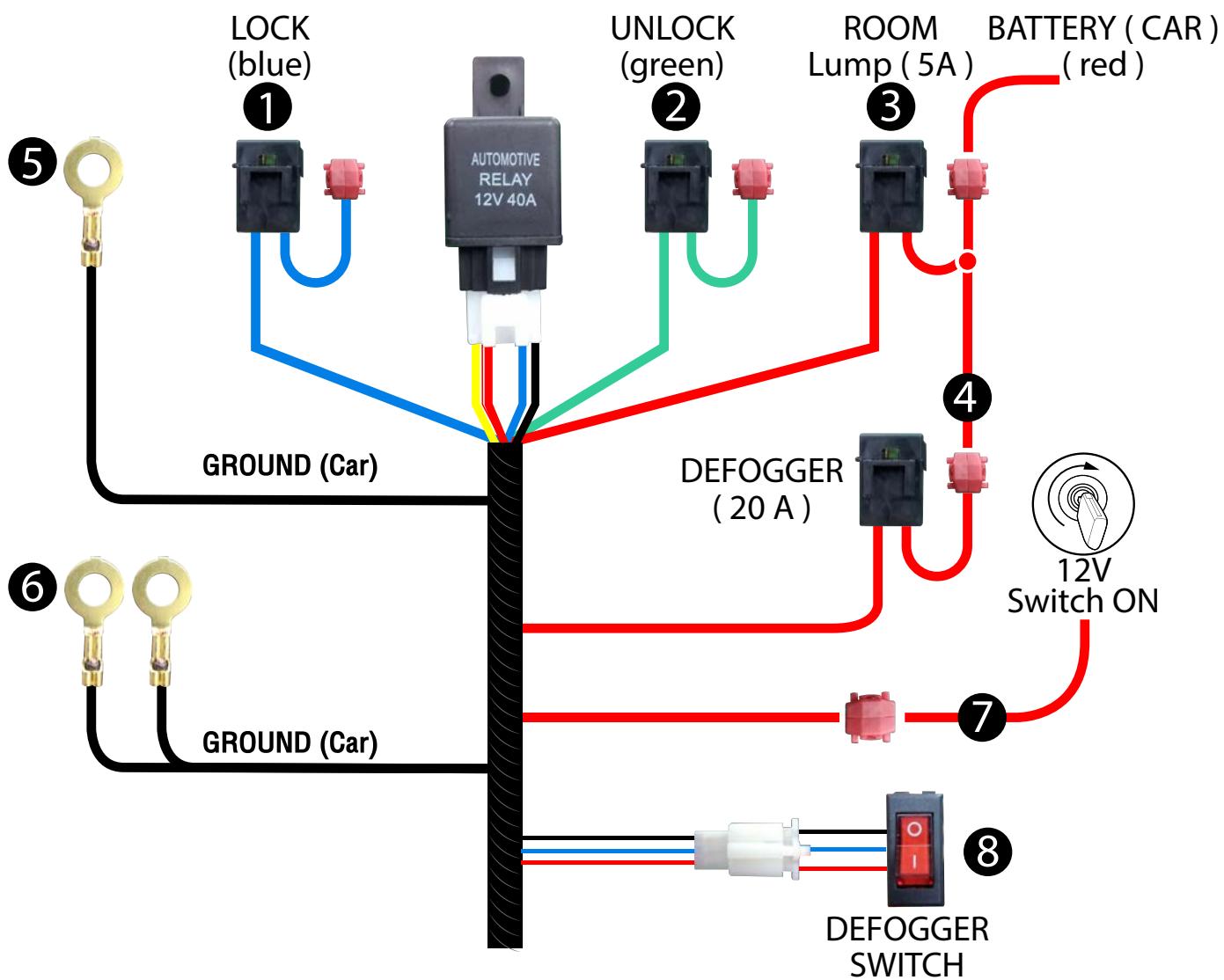
Electrical Installation



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



25



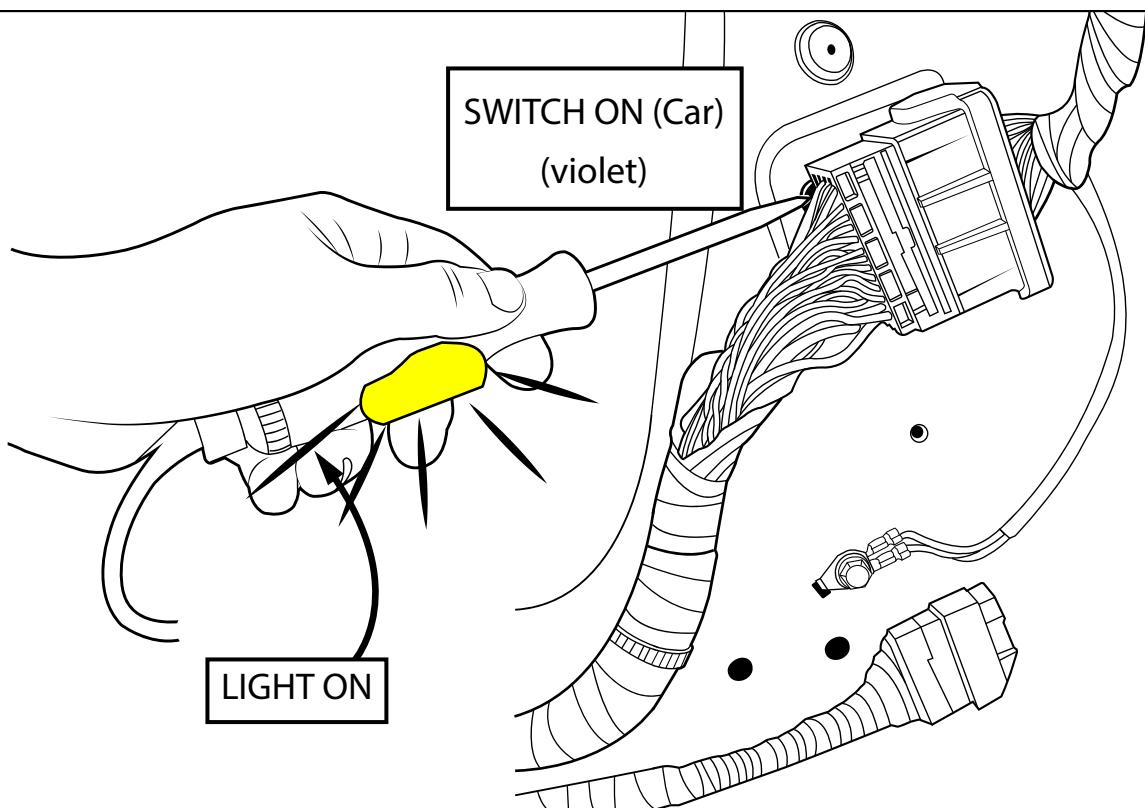
Harness Central Lock No.51



26

SWITCH ON (Car)
(violet)

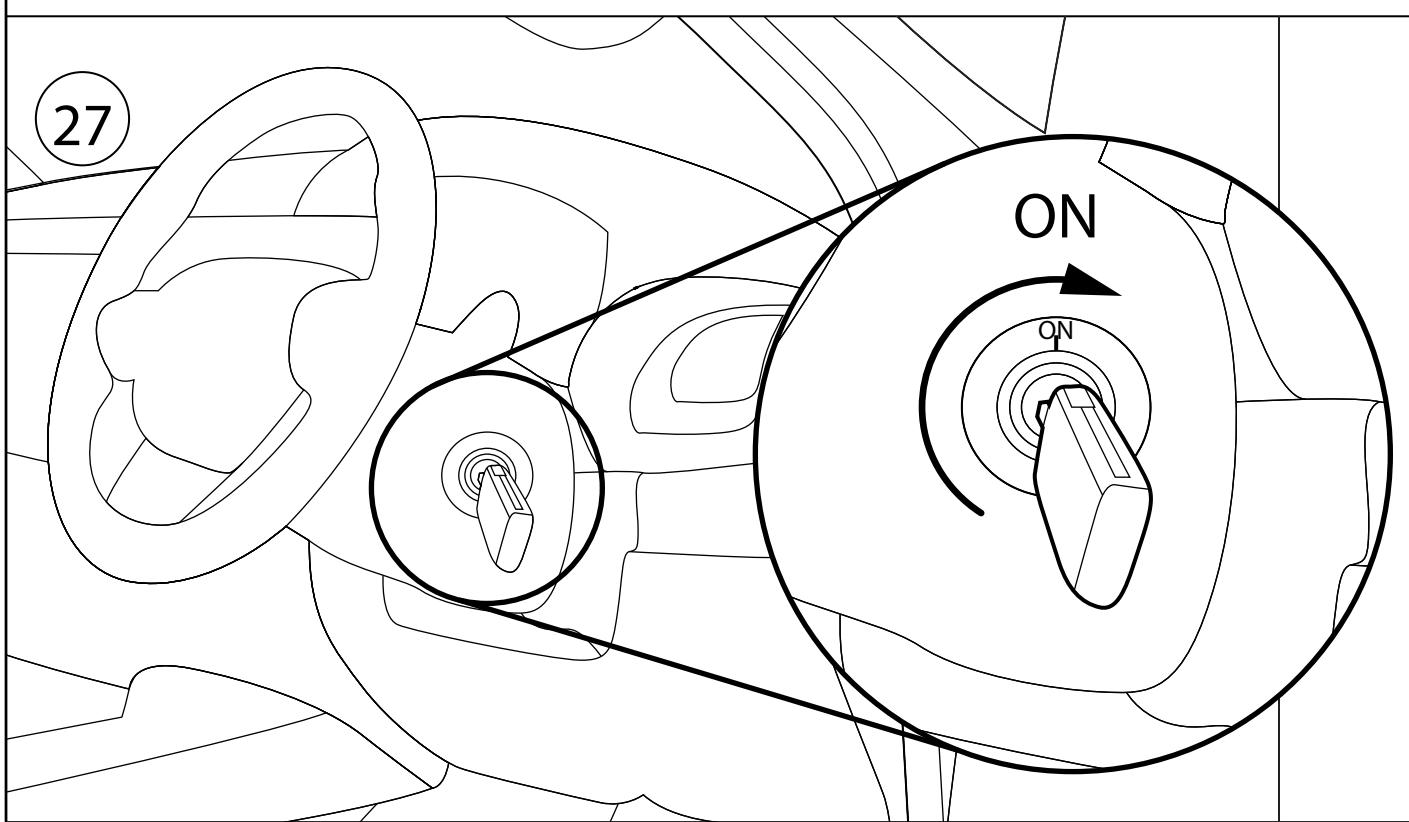
LIGHT ON



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

27

ON

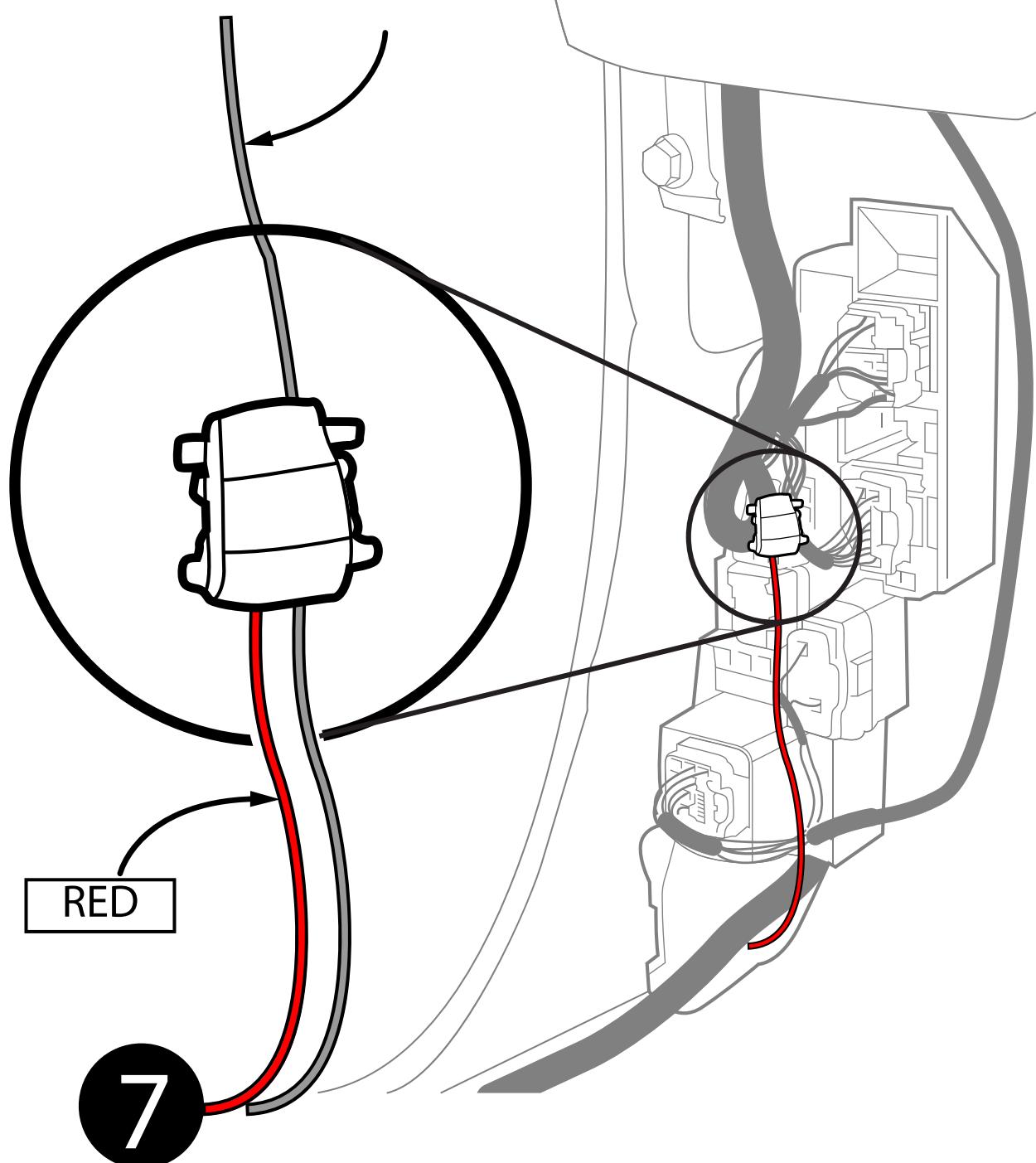


Step of checking Switch on position, begin with turning the key to ON position.



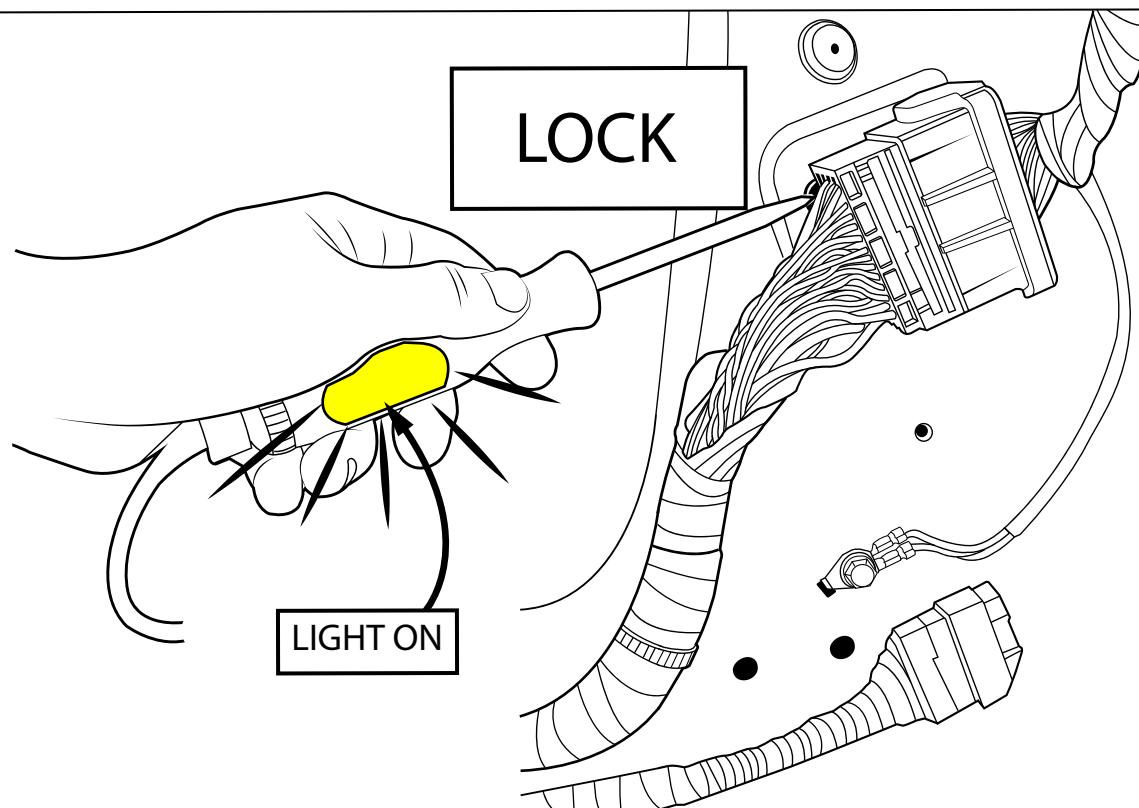
28

WIRING SWITCH ON





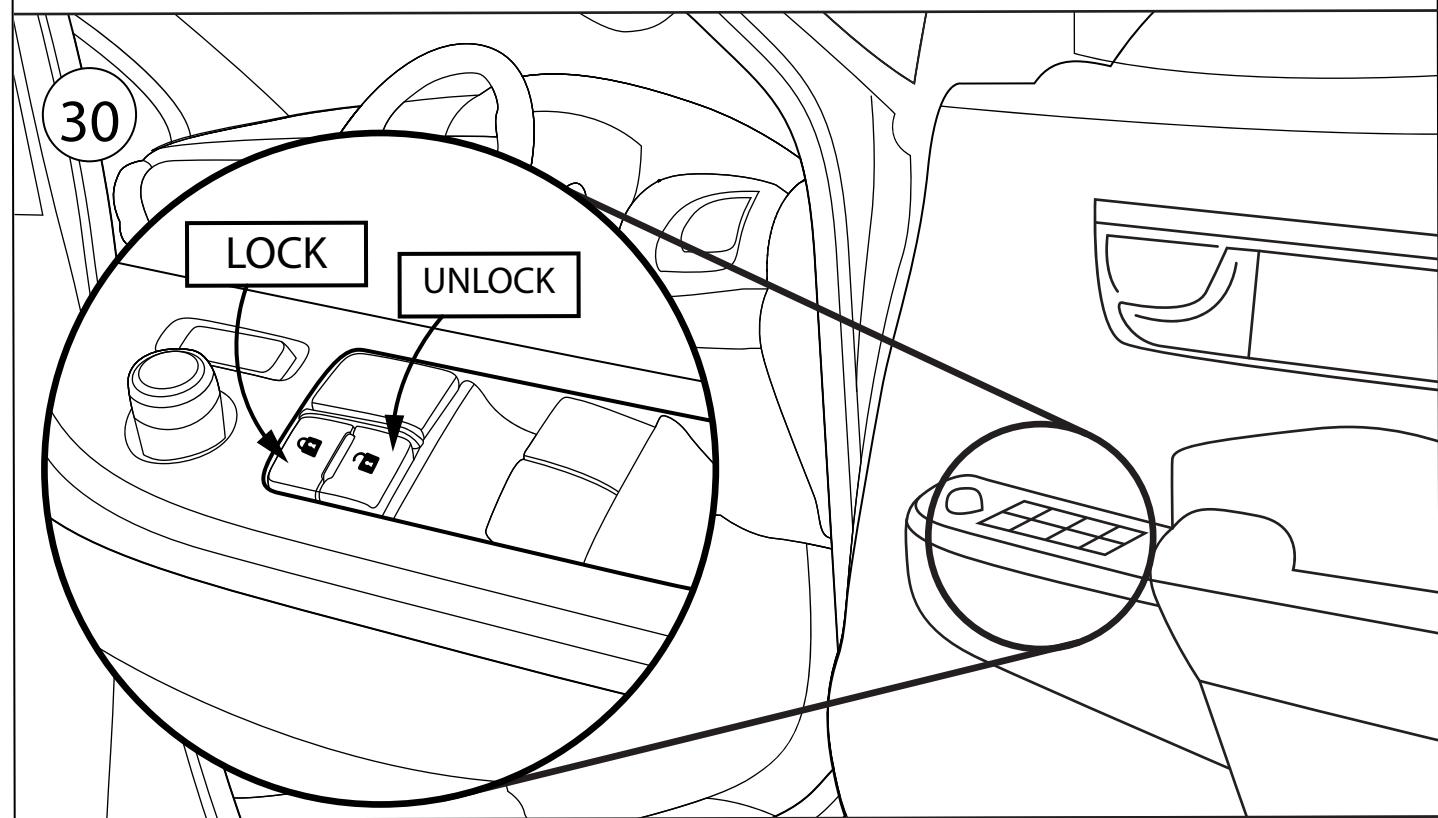
29



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

30

LOCK UNLOCK

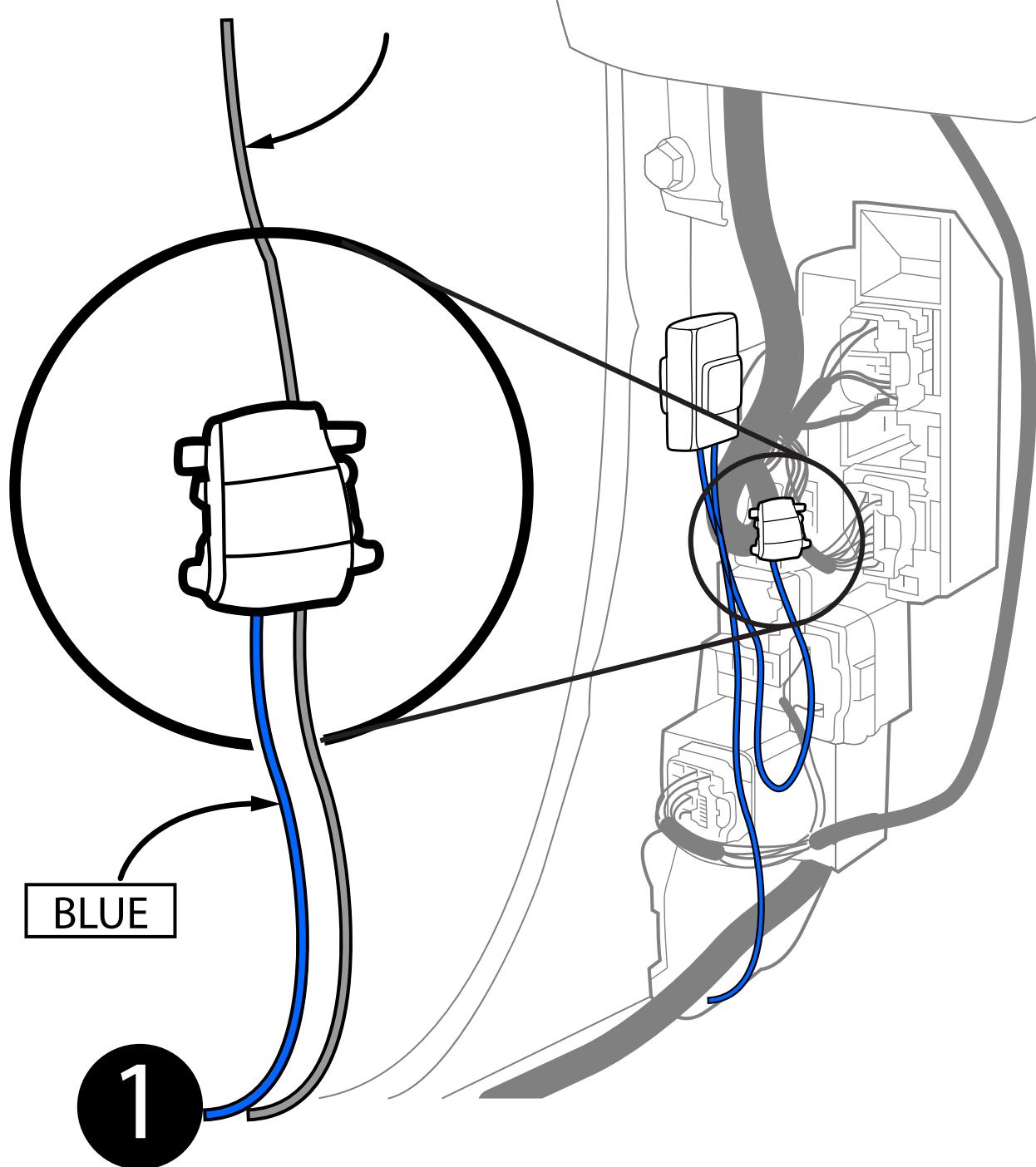


Step of Checking the light of the Central Lock (Lock), begin with push the UnLock button at the door panel.



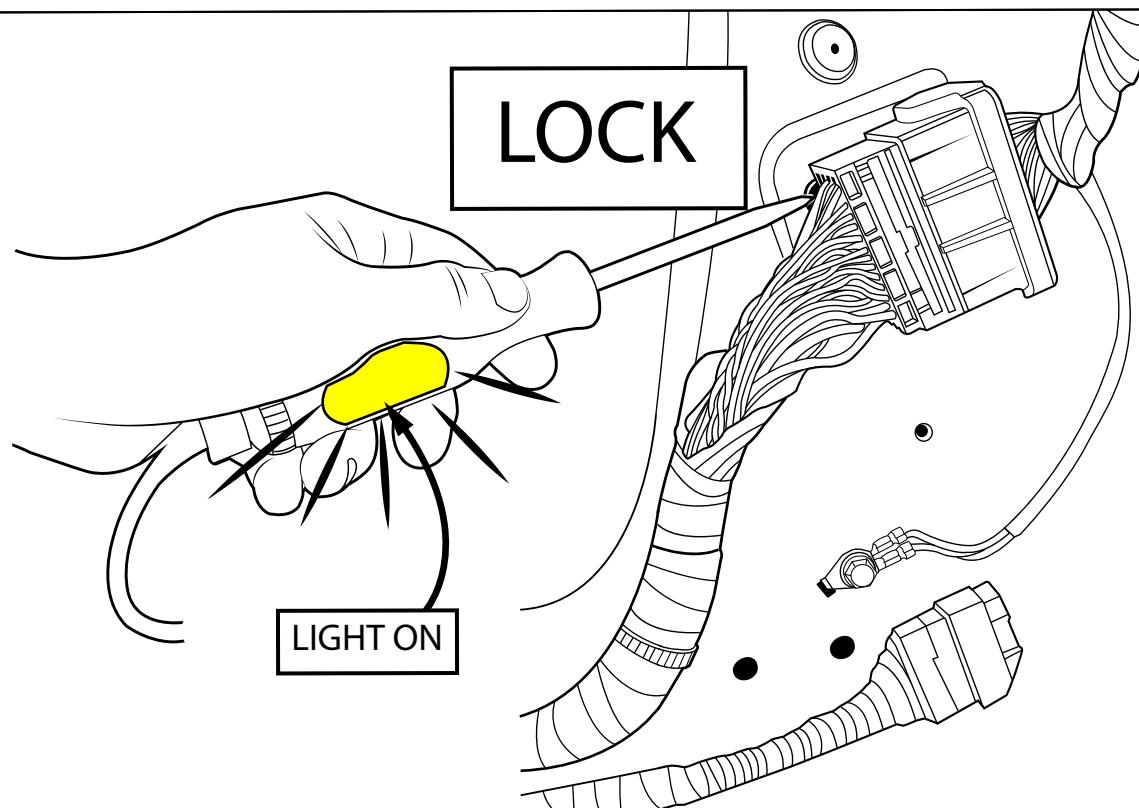
31

WIRING LOCK





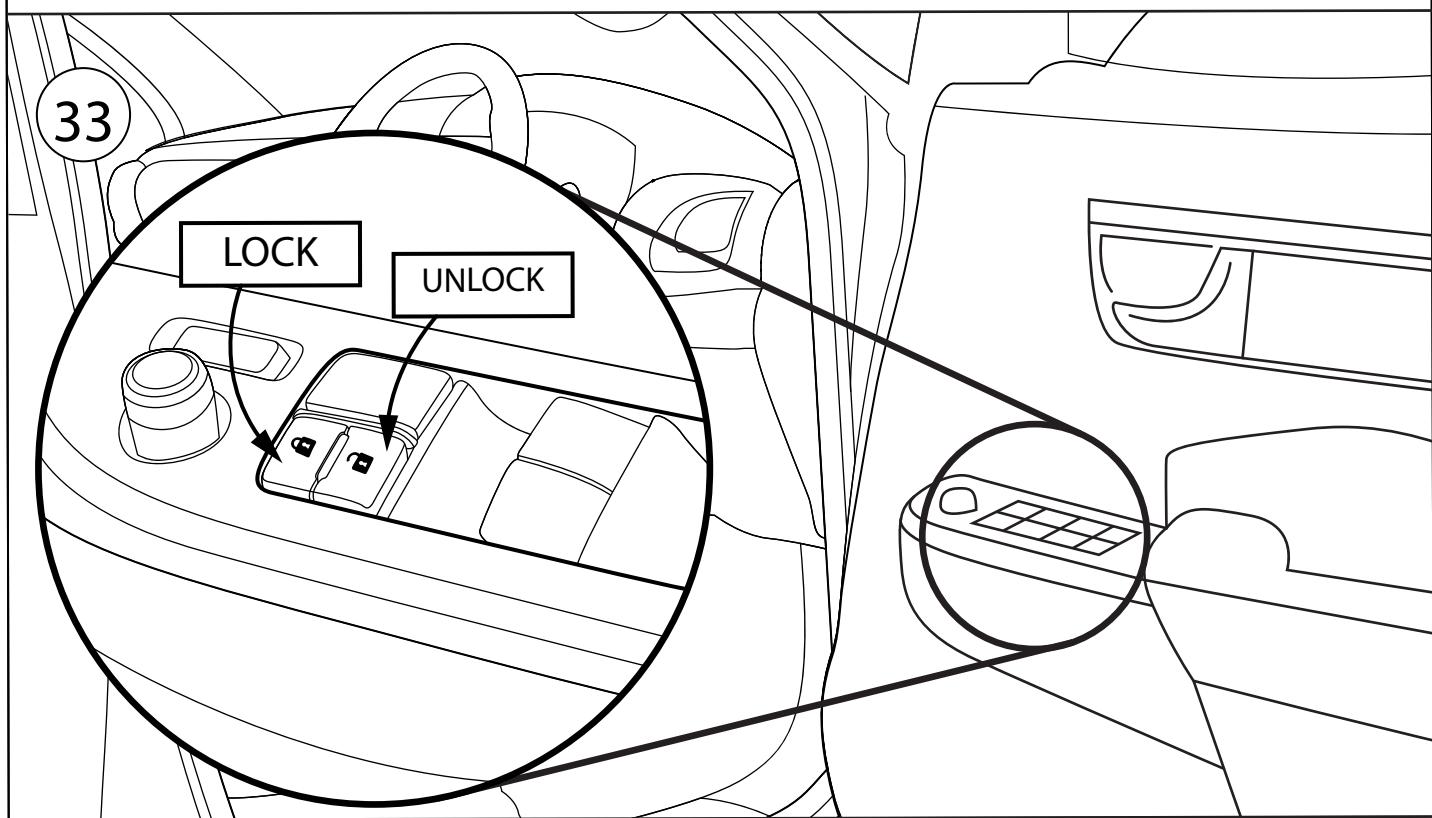
32



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

33

LOCK UNLOCK

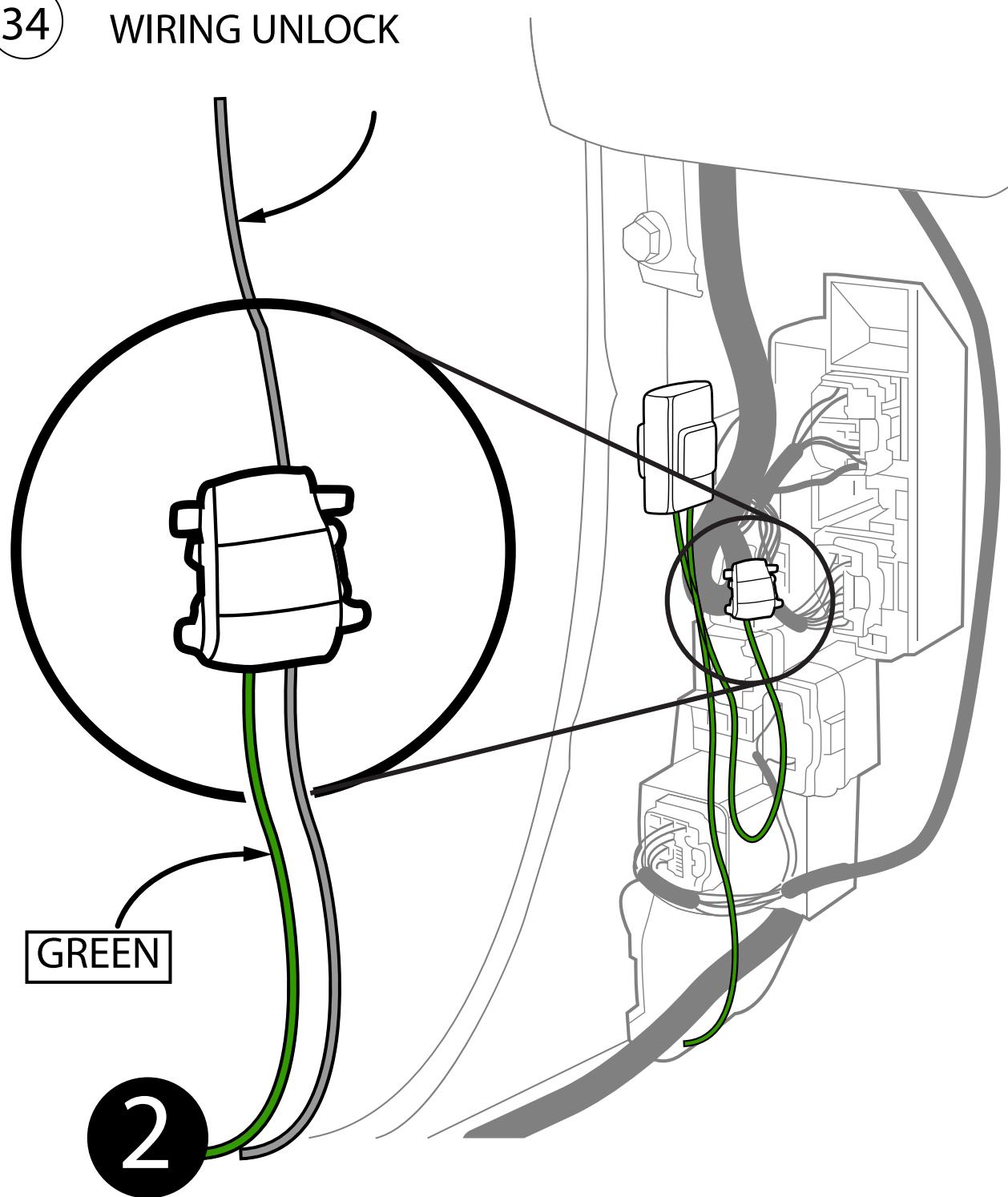


Step of Checking the light of the Central Lock (UnLock), begin with push the UnLock button at the door panel.



34

WIRING UNLOCK





35

BATTERY

LIGHT ON

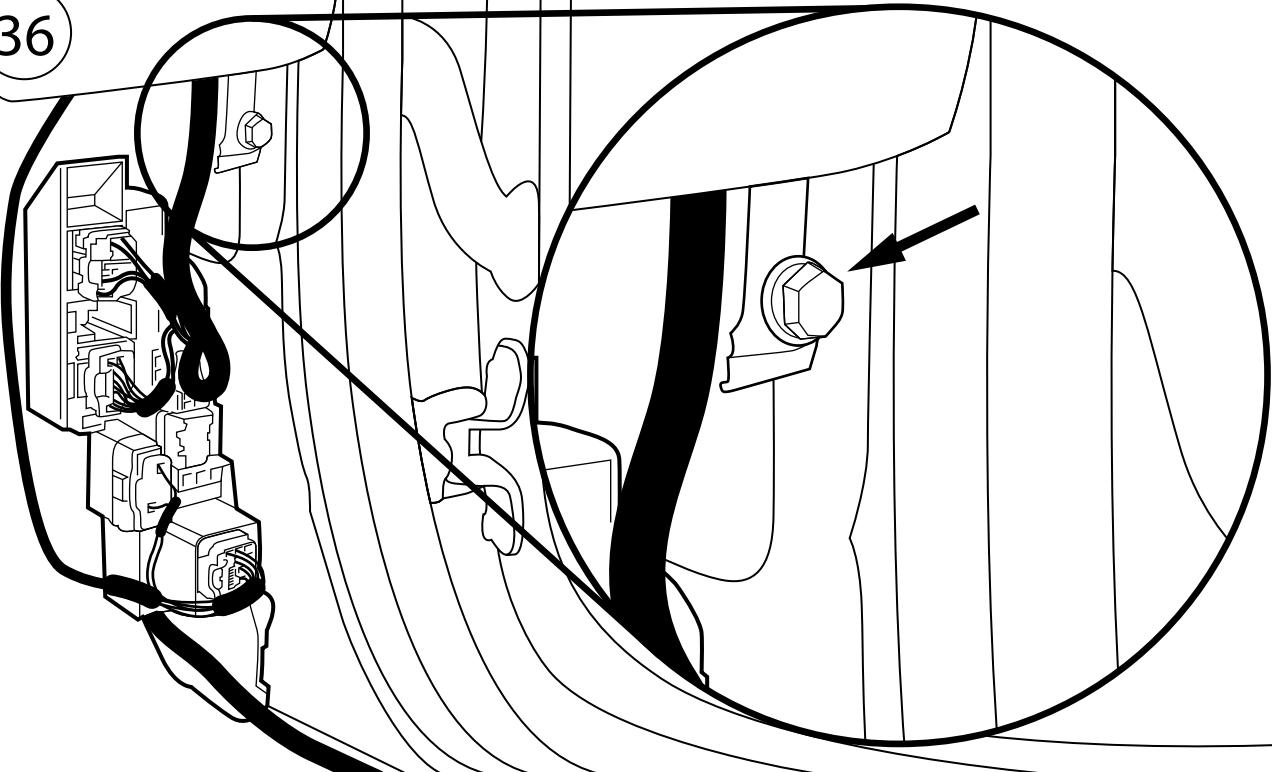
Find the battery Wires, use a
Circuit Tester to check.

RED

4

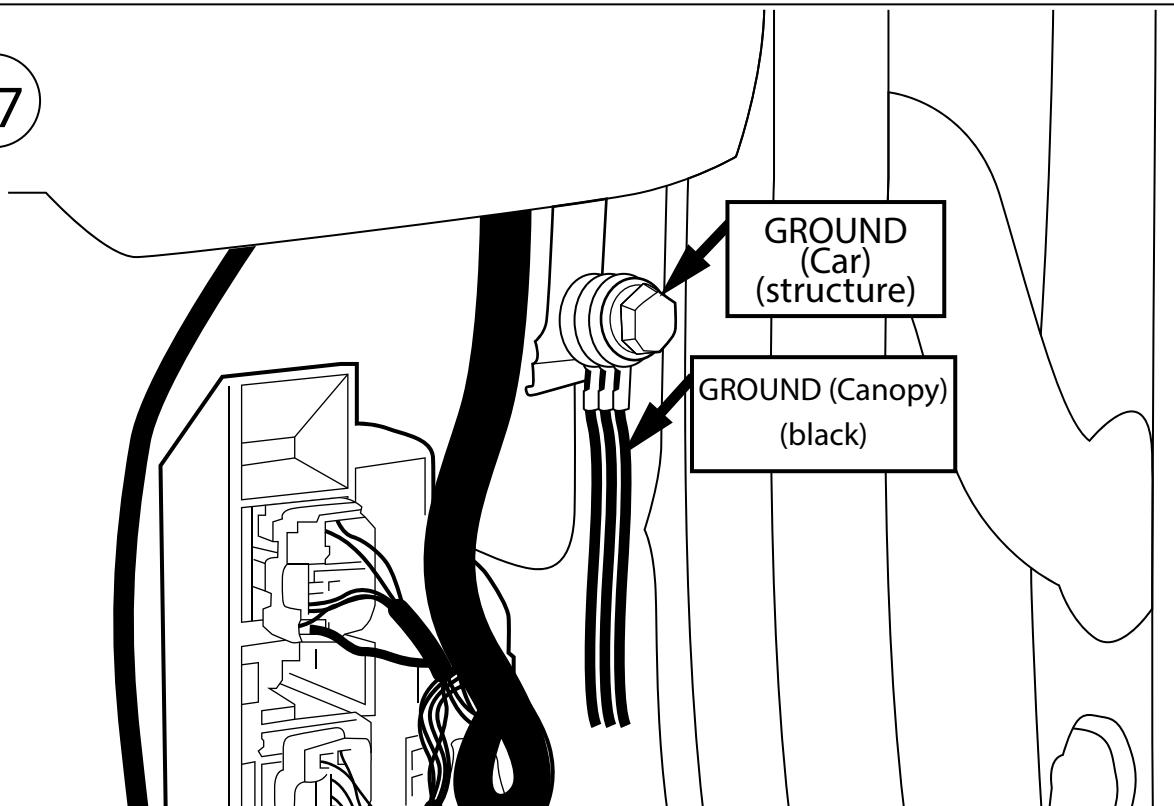


36



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

37

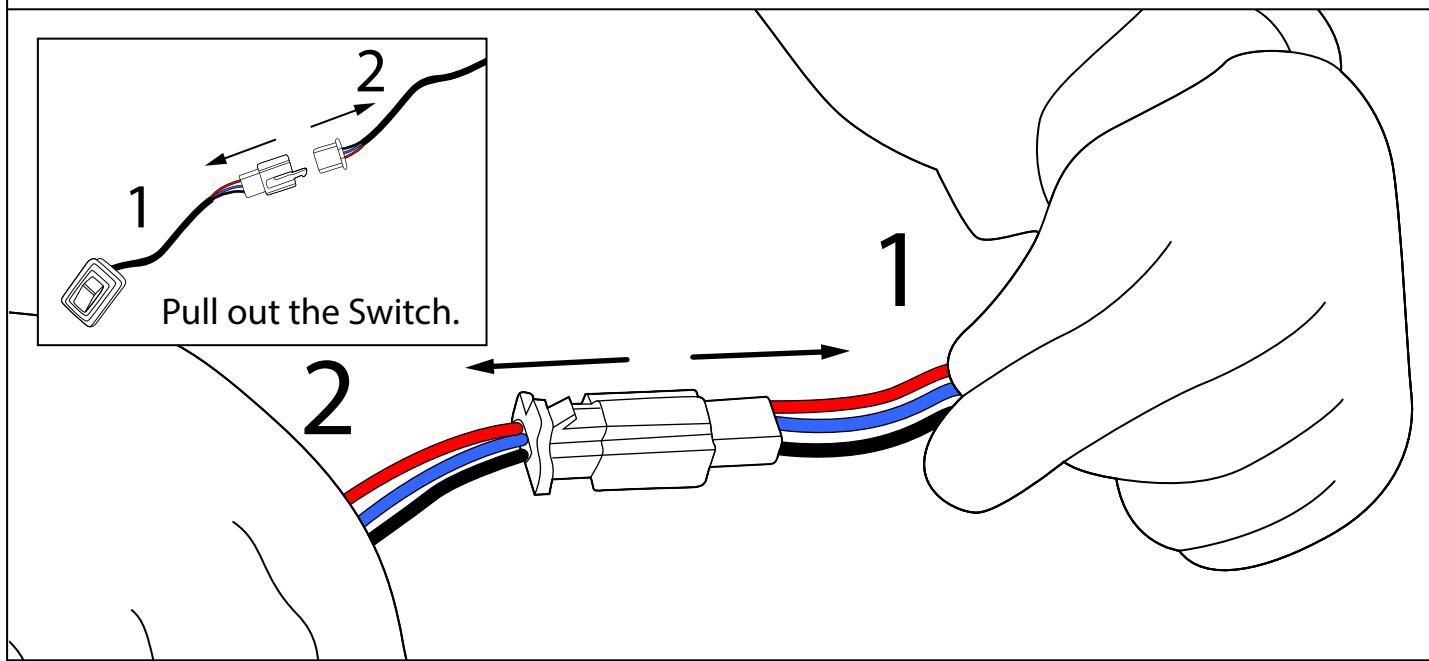


Connect the Black Wiring (Ground) of the Harness Central Lock No.51 with the Vehicle Structure and using wrench tighten.



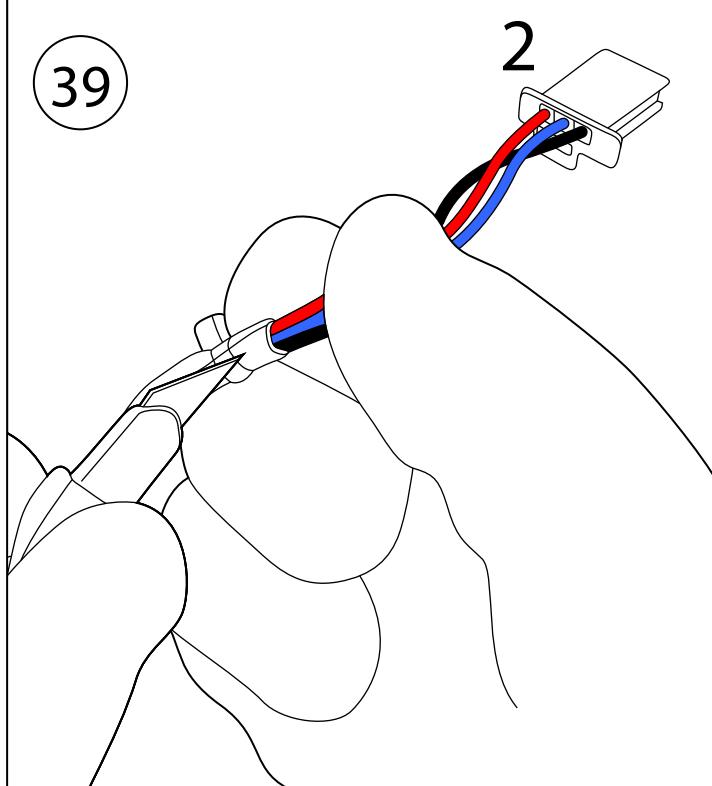
38

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

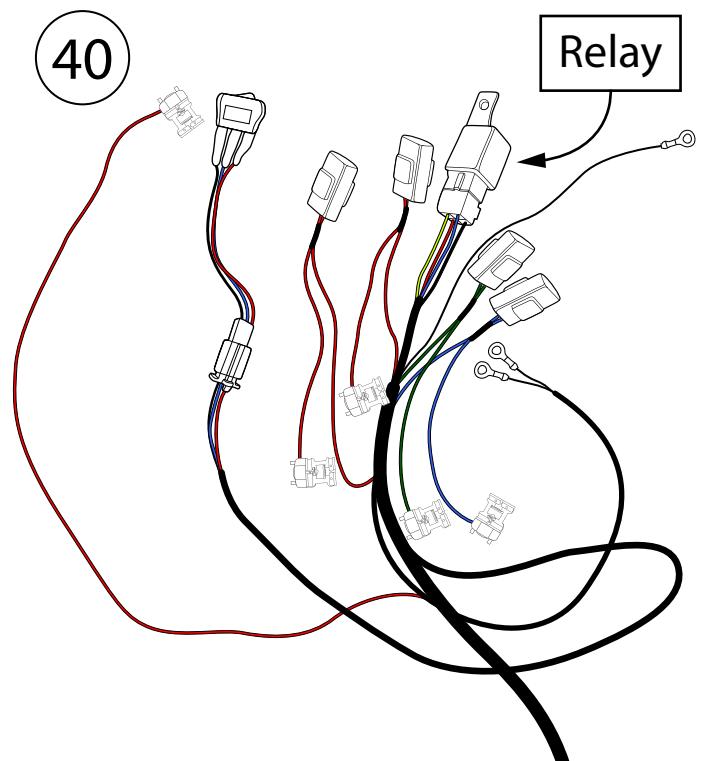


Defogger circuit switch installation of the Harness Central Lock No.51 of the Ford Ranger vehicle.

39



40



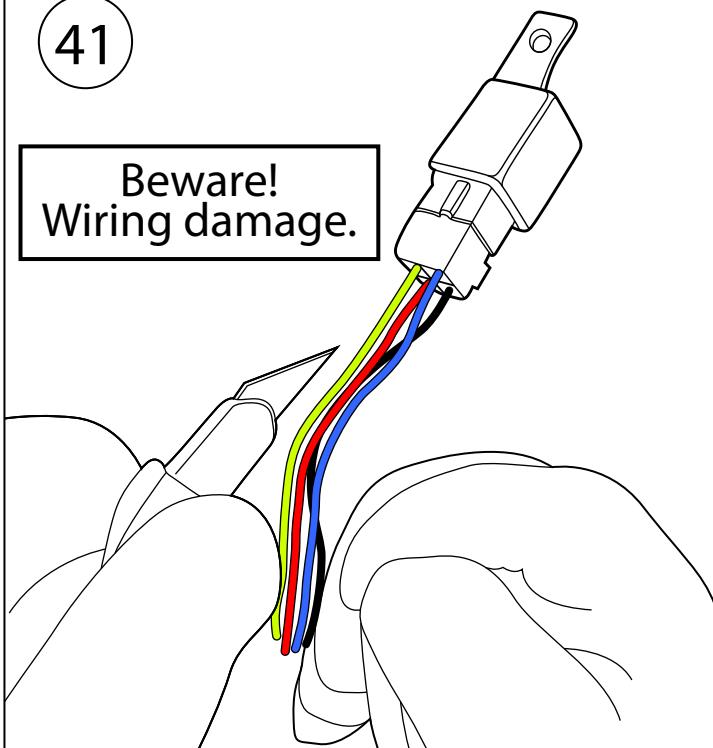
Cut-off the cable

Relay Set of the Harness Central Lock No.51

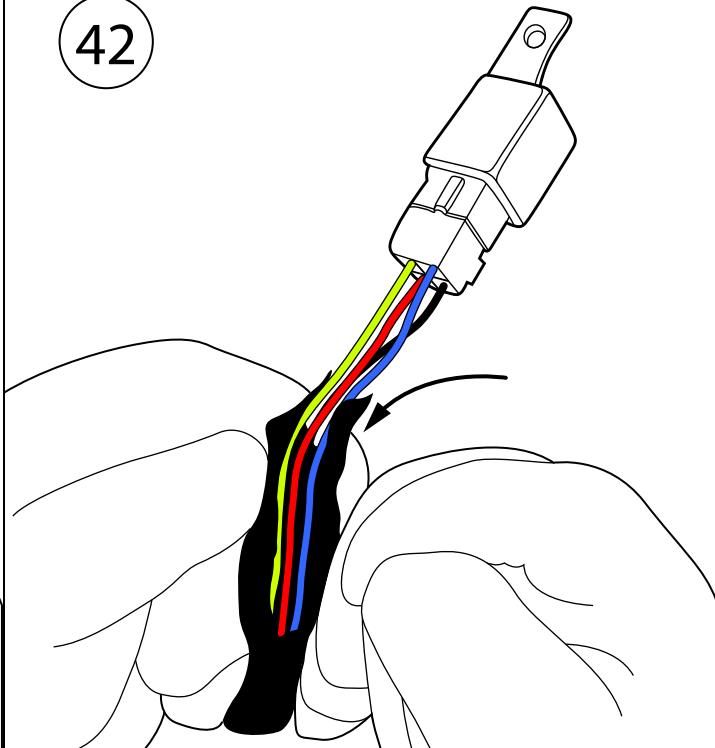


41

Beware!
Wiring damage.



42

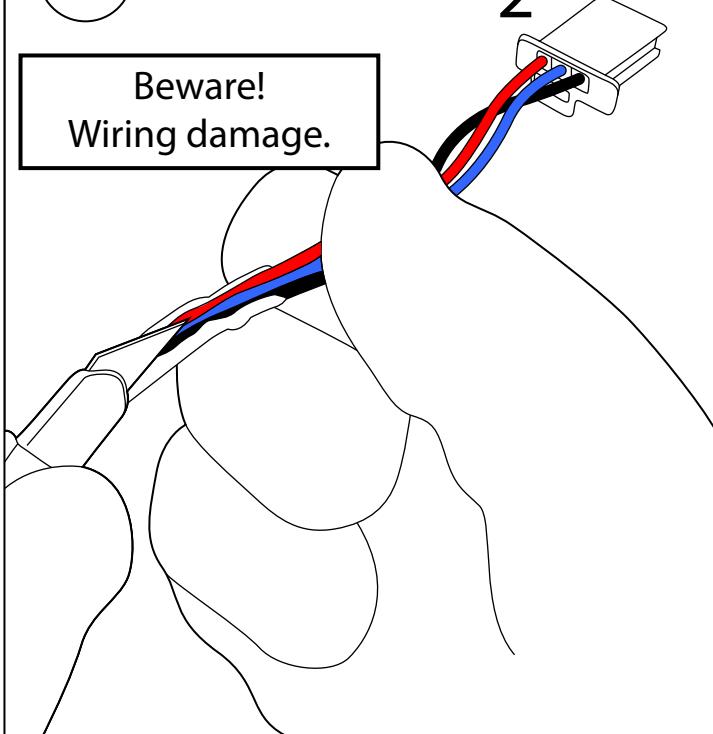


Cut-Off the tape of the Relay.

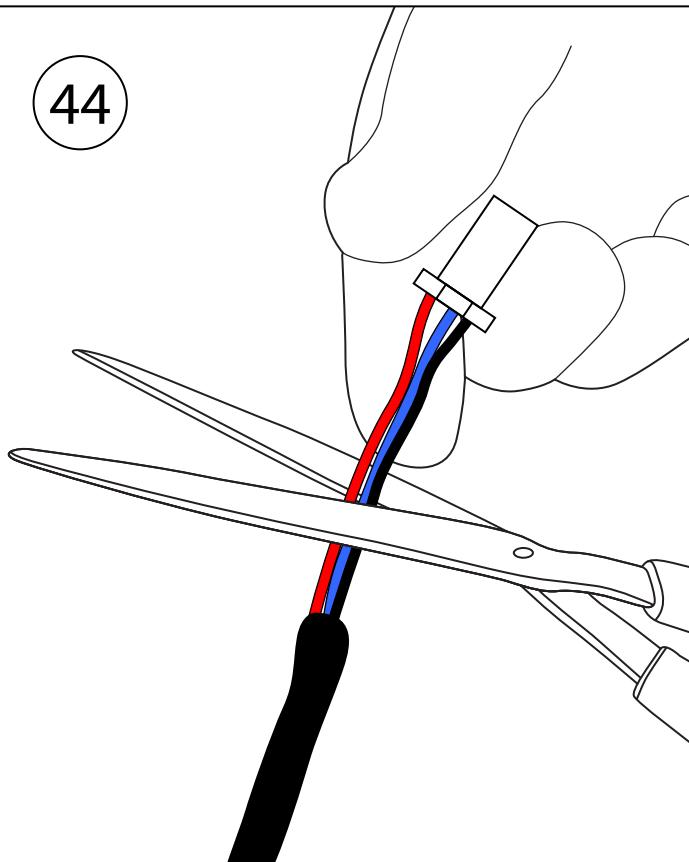
Pull out the tape

43

Beware!
Wiring damage.



44

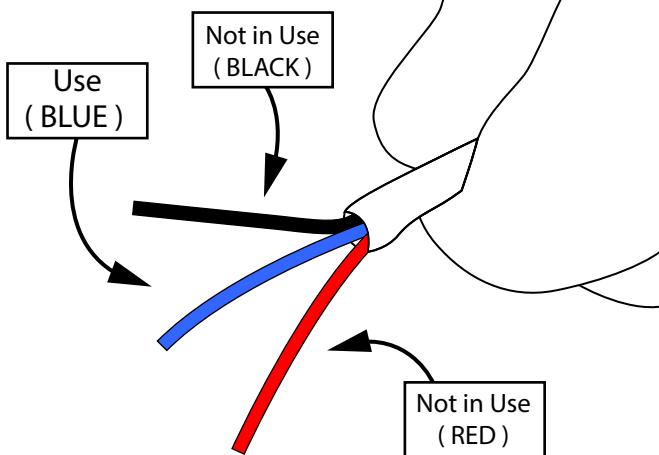


Cut the switch cable insulation pipe.

Cut the end of the defogger switch cable.

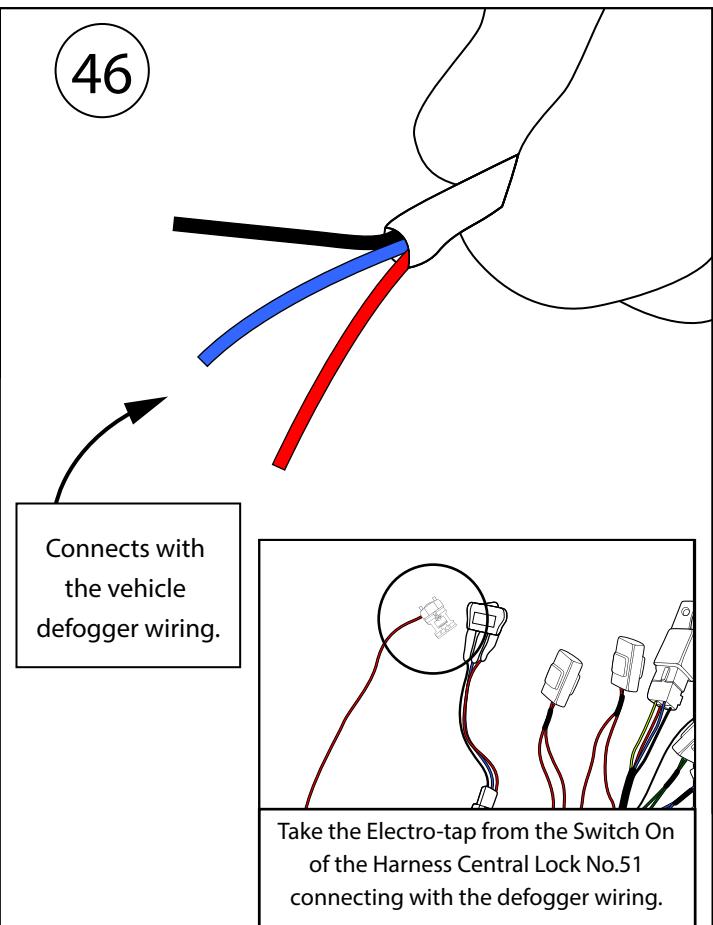


45

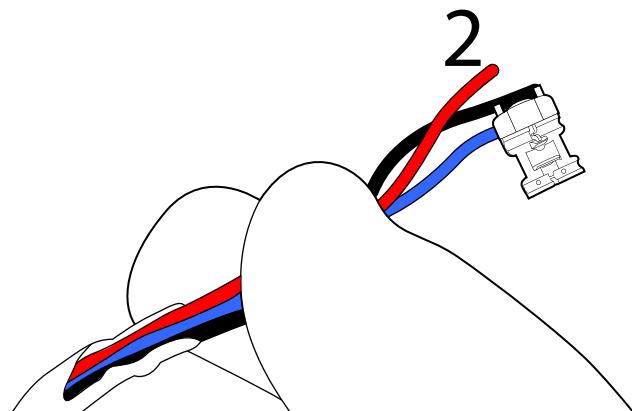


After Cut the end of the defogger switch cable, the wiring that will be using for connecting is the Blue colour.

46

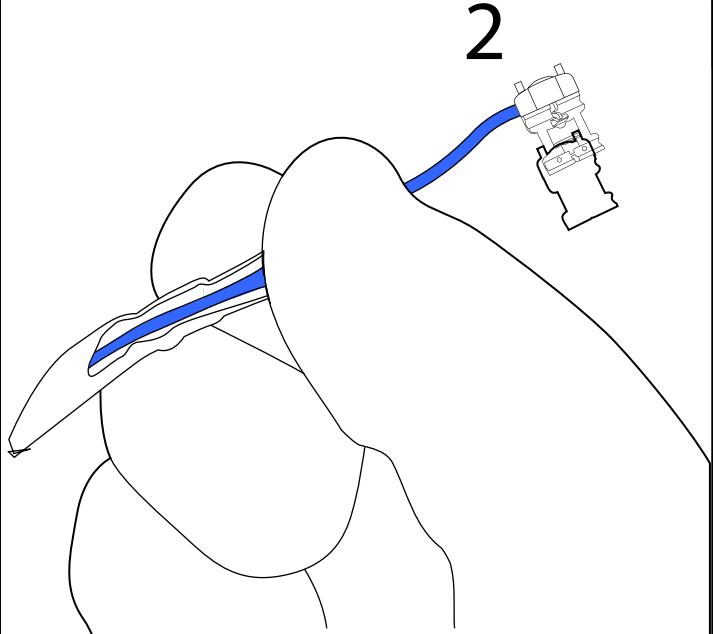


47



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

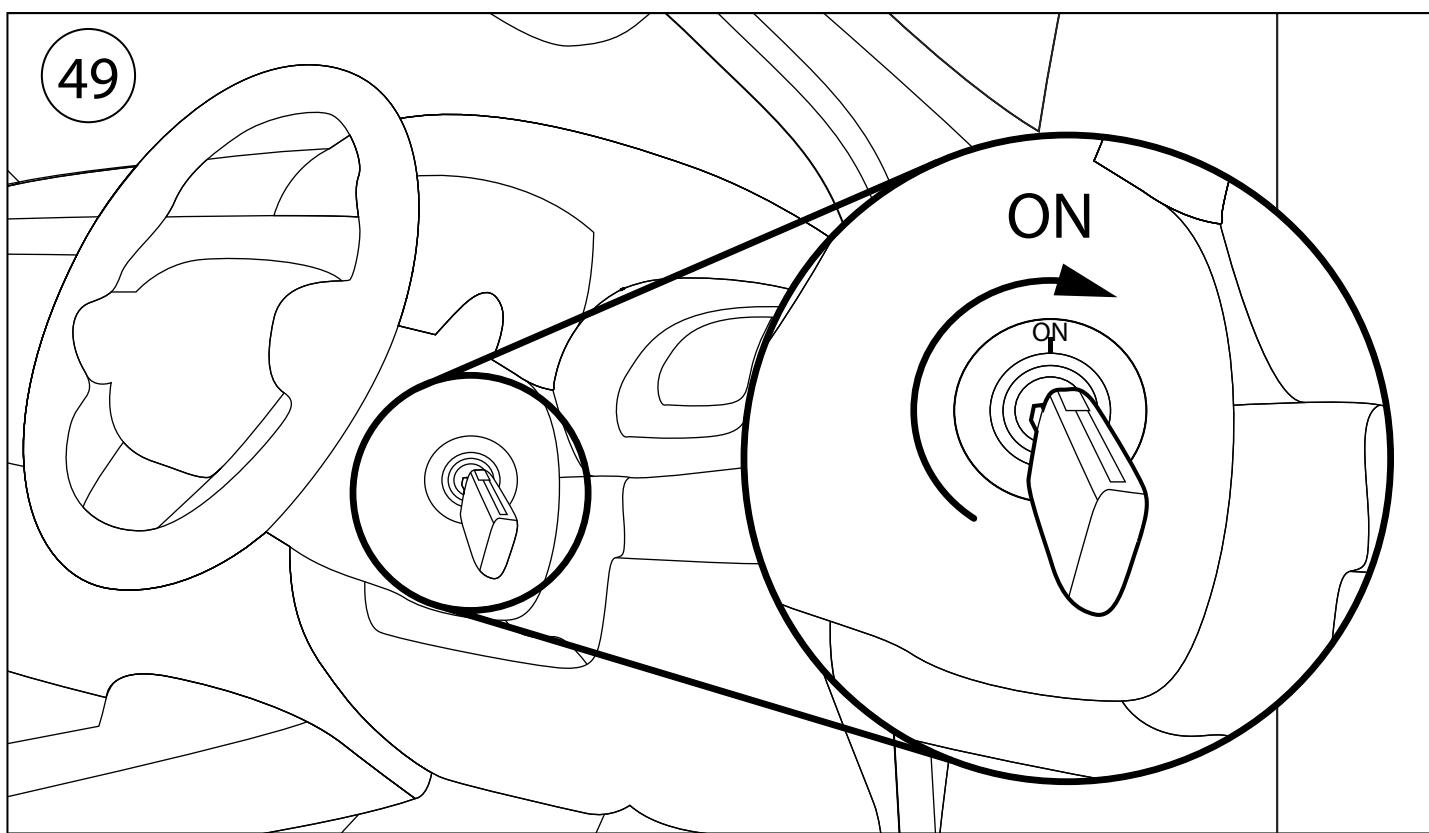
48



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

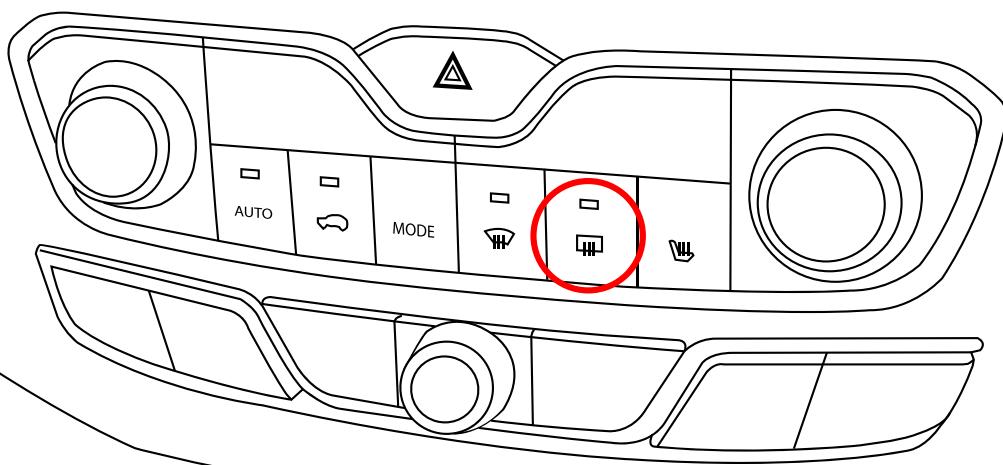


49



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

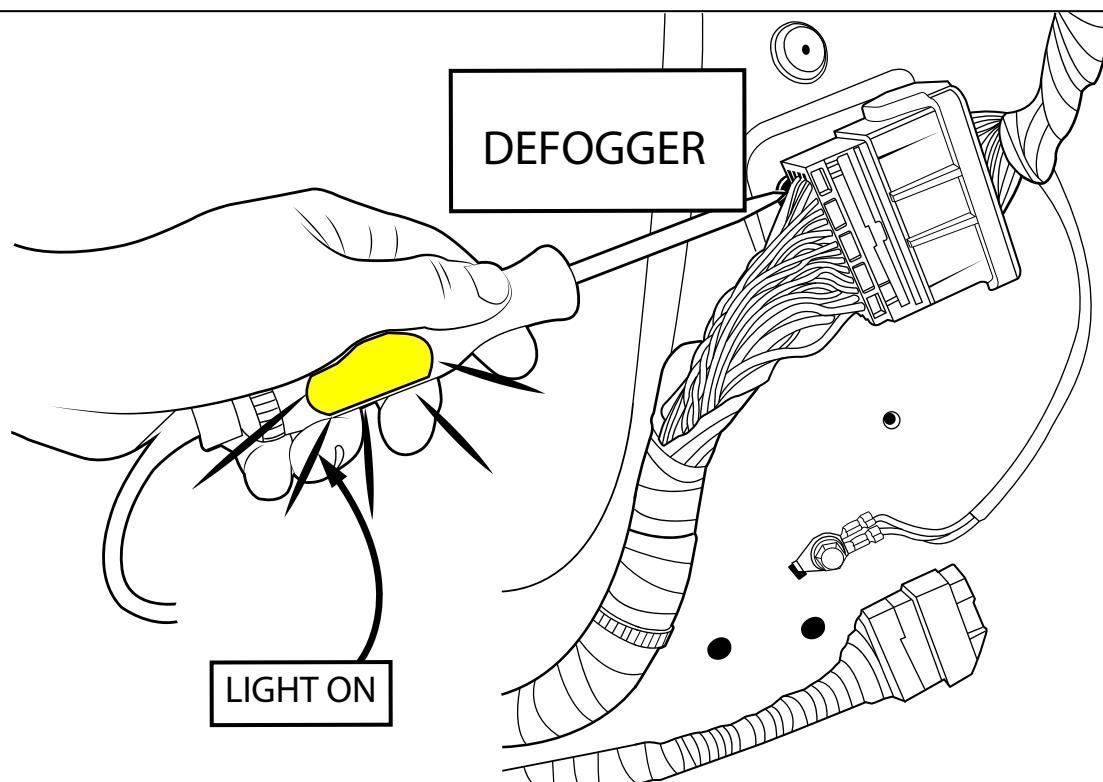
50



Push the Rear Defroster Switch



51



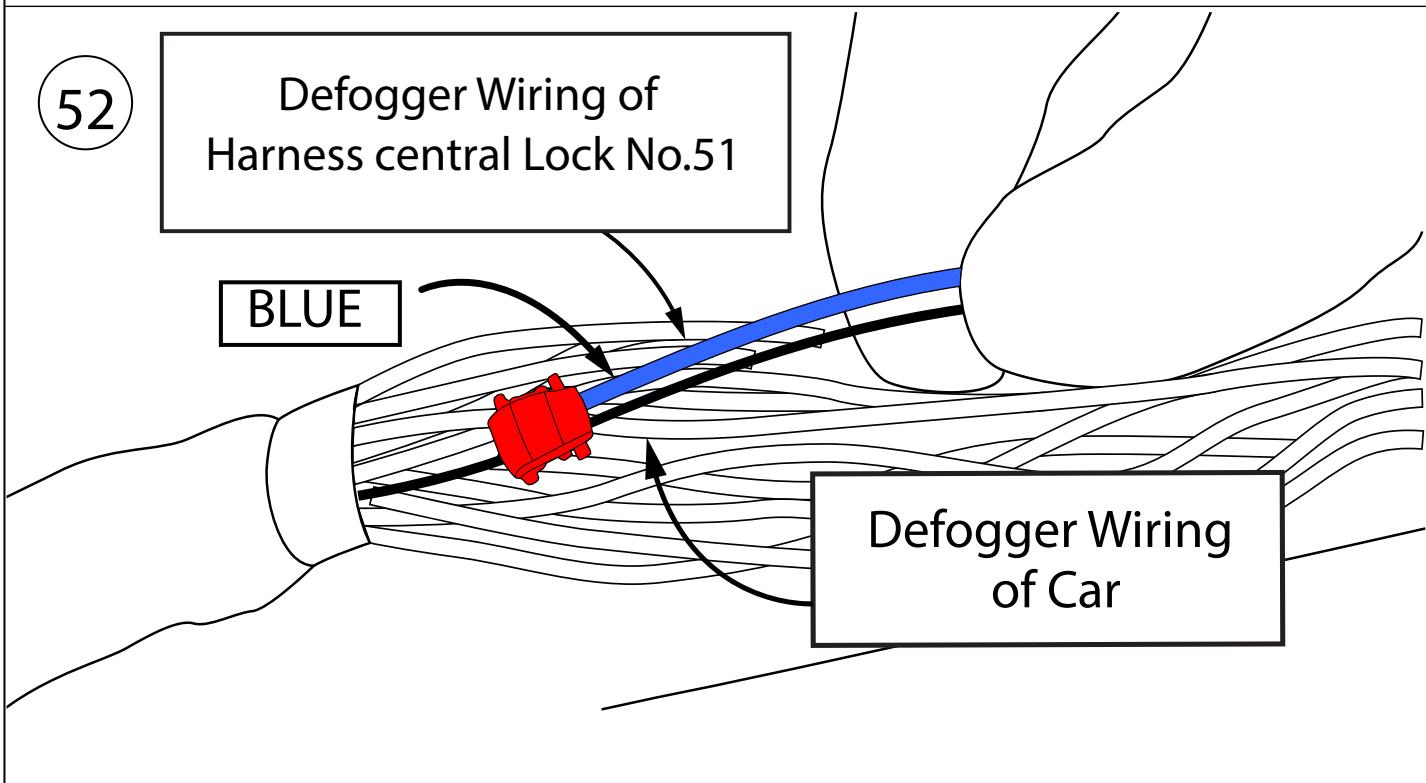
Turn ON and push the defogger button at the console pad, After that check the defogger wiring at passenger position by using the Test Lamp kit, Light On means working.

52

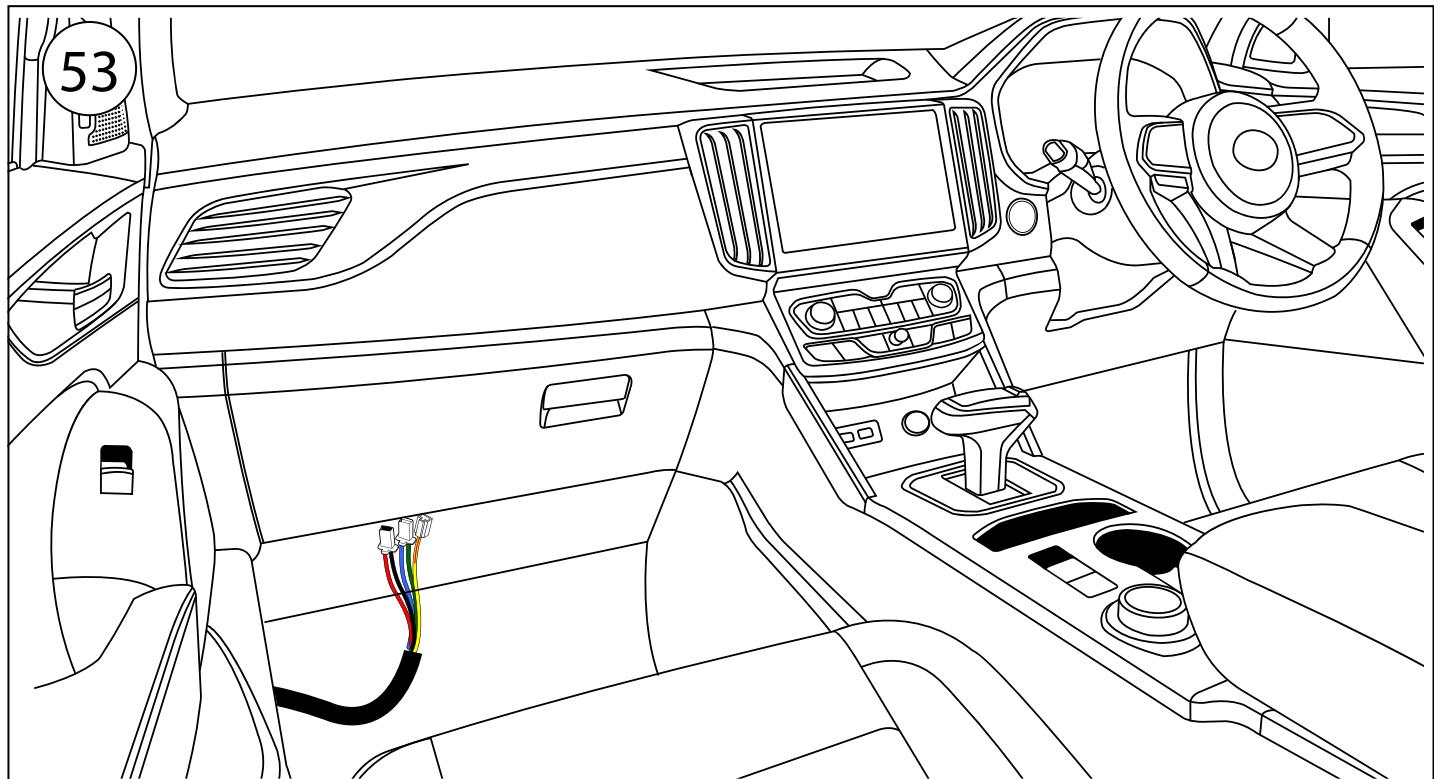
Defogger Wiring of
Harness central Lock No.51

BLUE

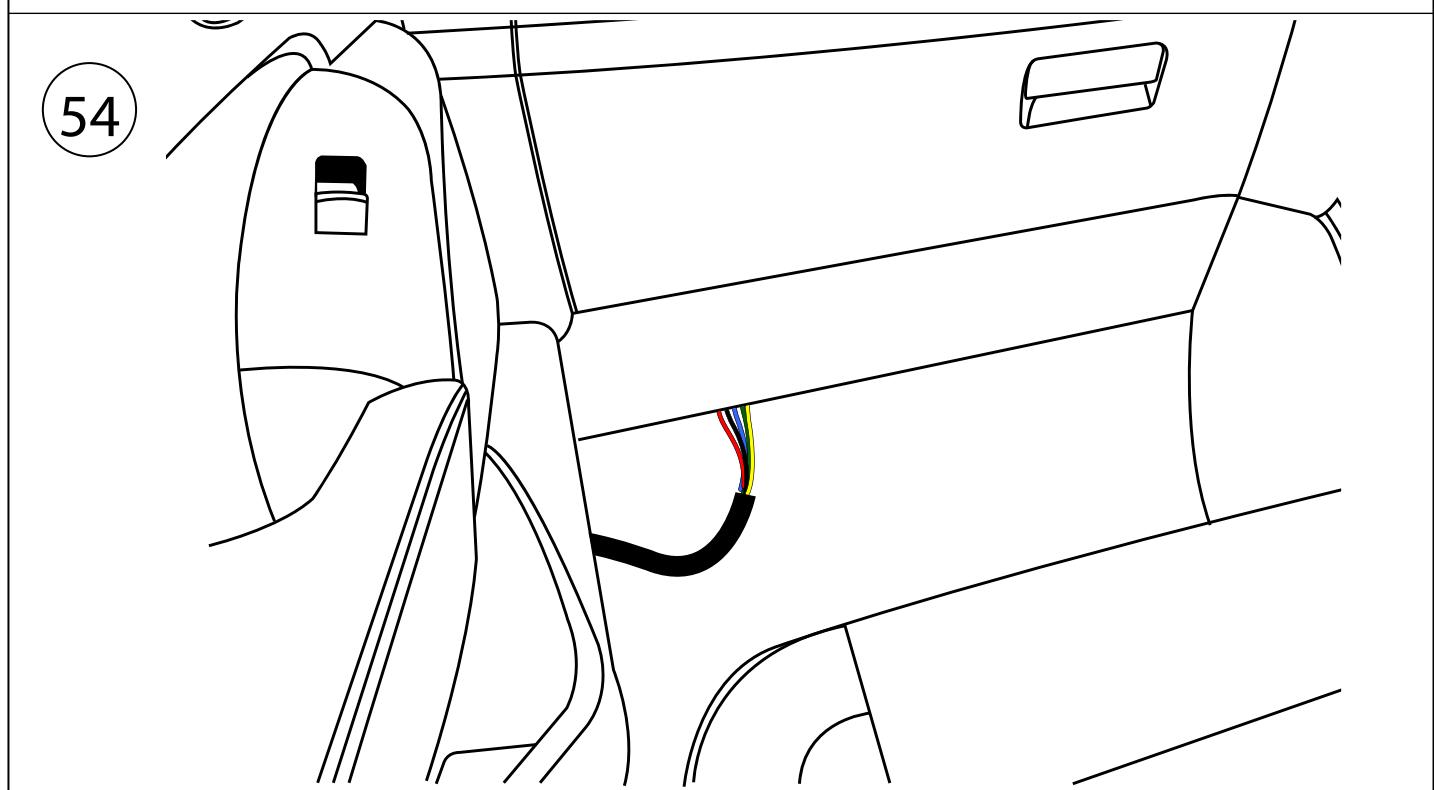
Defogger Wiring
of Car



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.



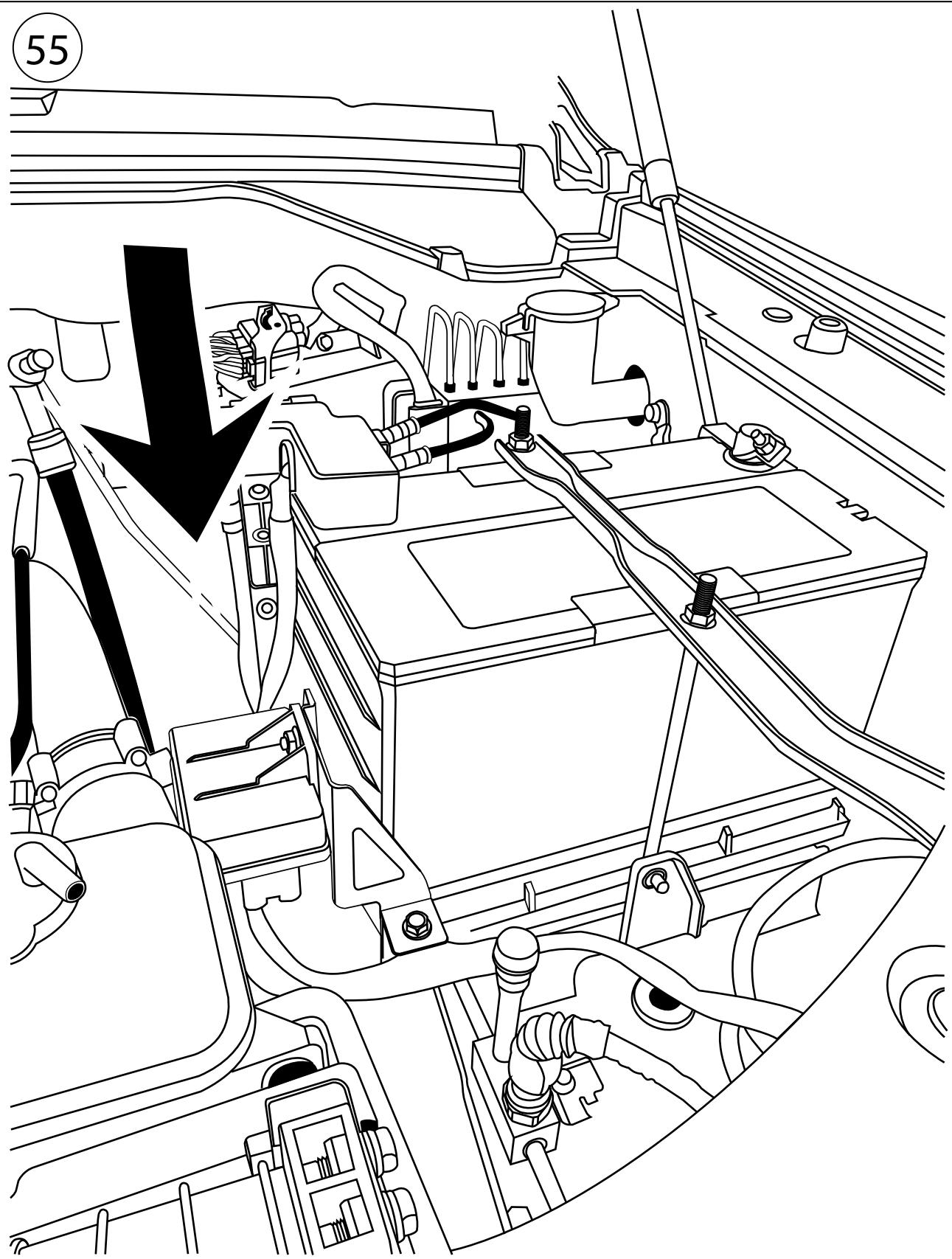
Running the wiring from the driver side through the passenger side as shown in picture.



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



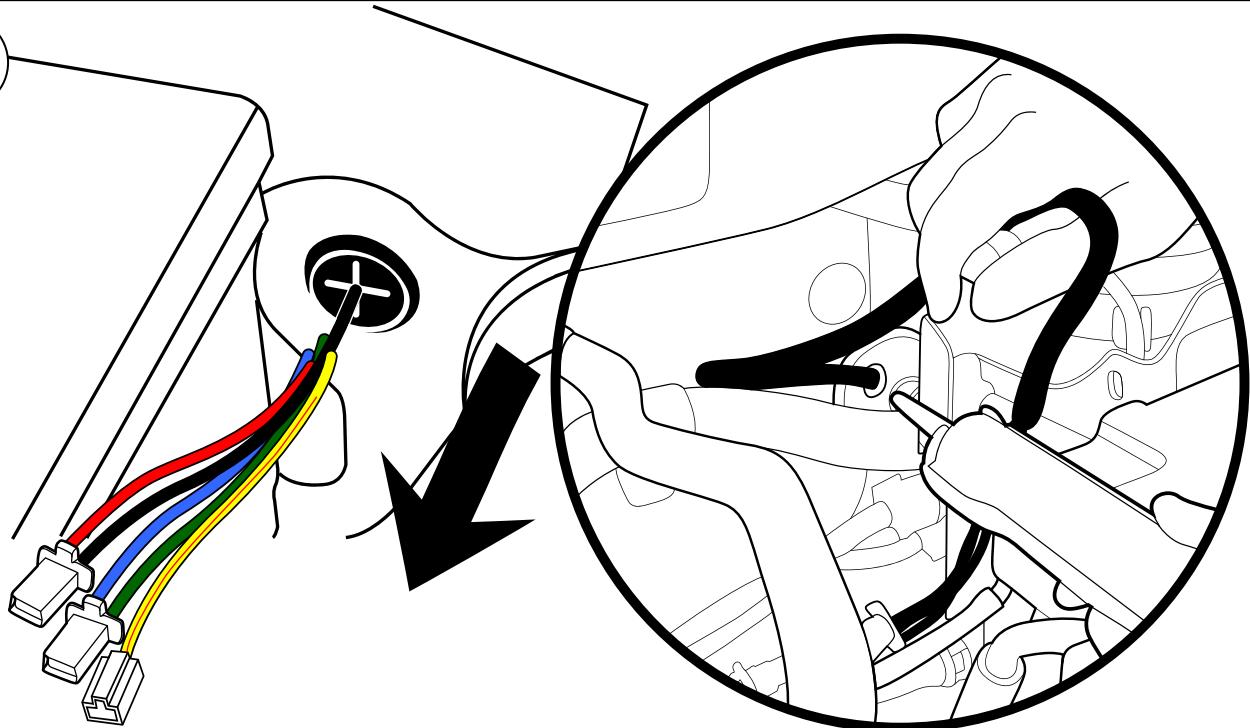
55



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



56



Silicone seal the wiring hole process.

57

The Step of wiring running diagram

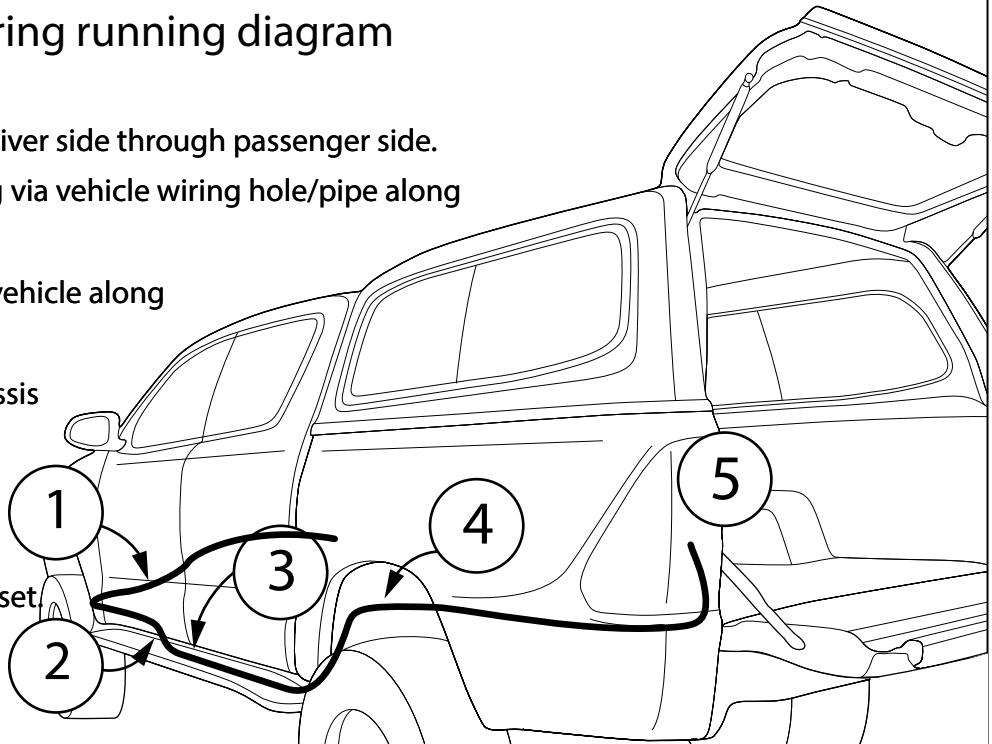
Point 1 Wiring running from driver side through passenger side.

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.

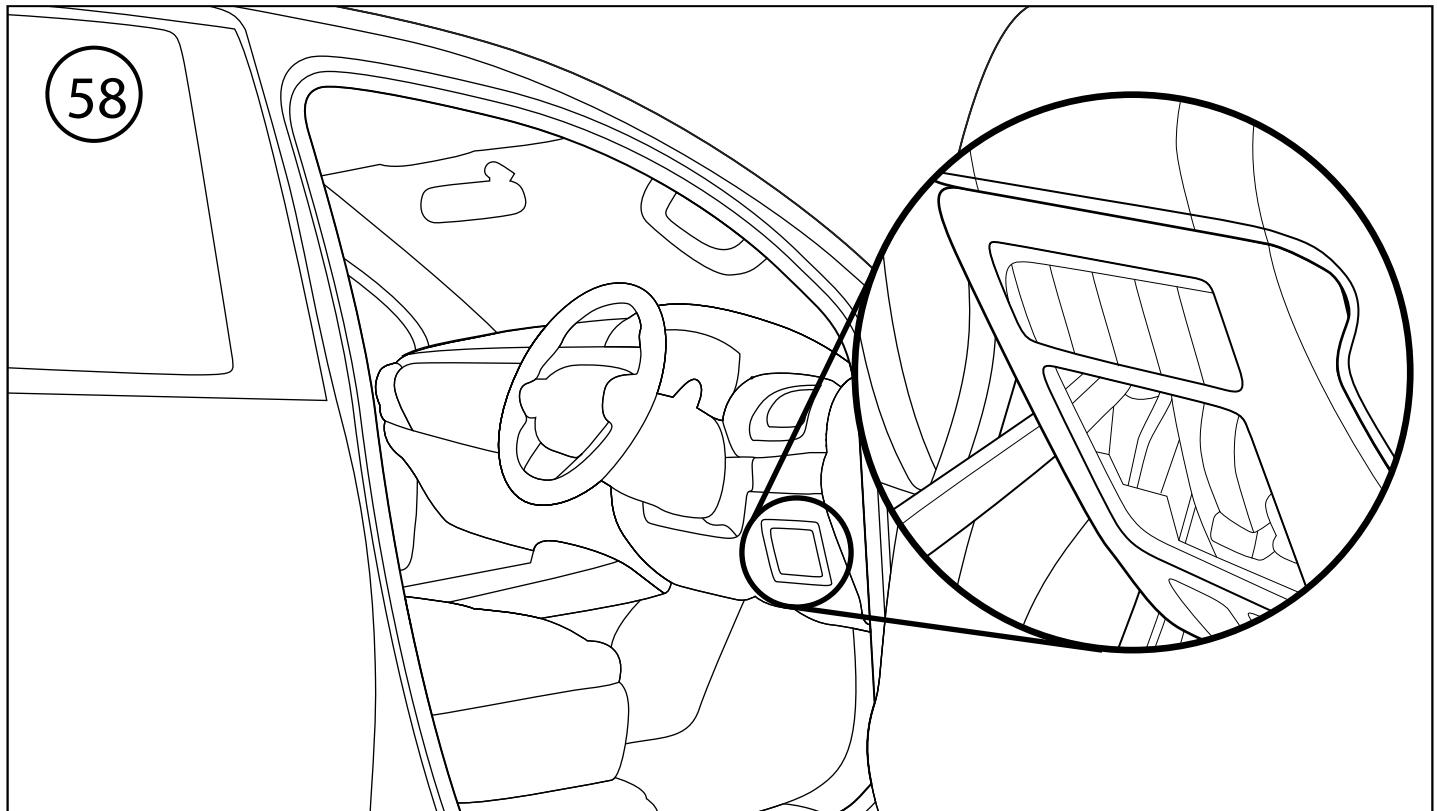
Point 5 Wiring that running up the rear light in order to connect with the other wiring set.



The Step of wiring running diagram for the Harness Central Lock No.51

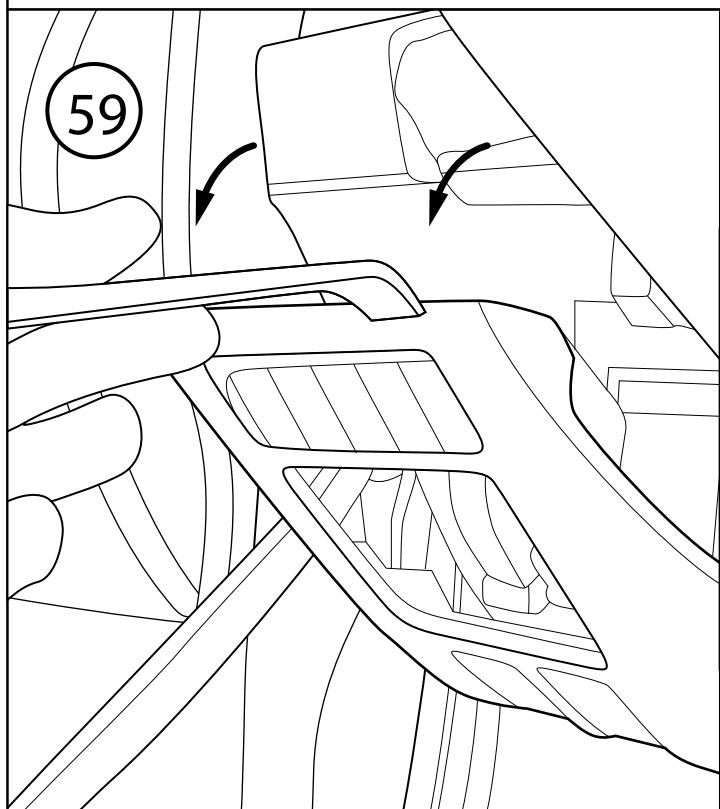


58

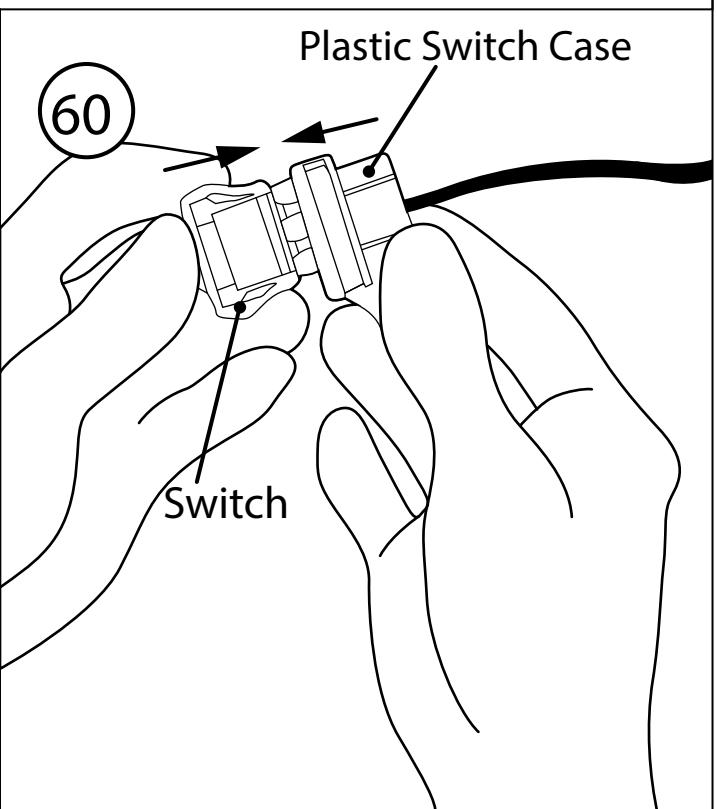


The position of Defogger Switch installation of the
Harness Central Lock No.51.

59

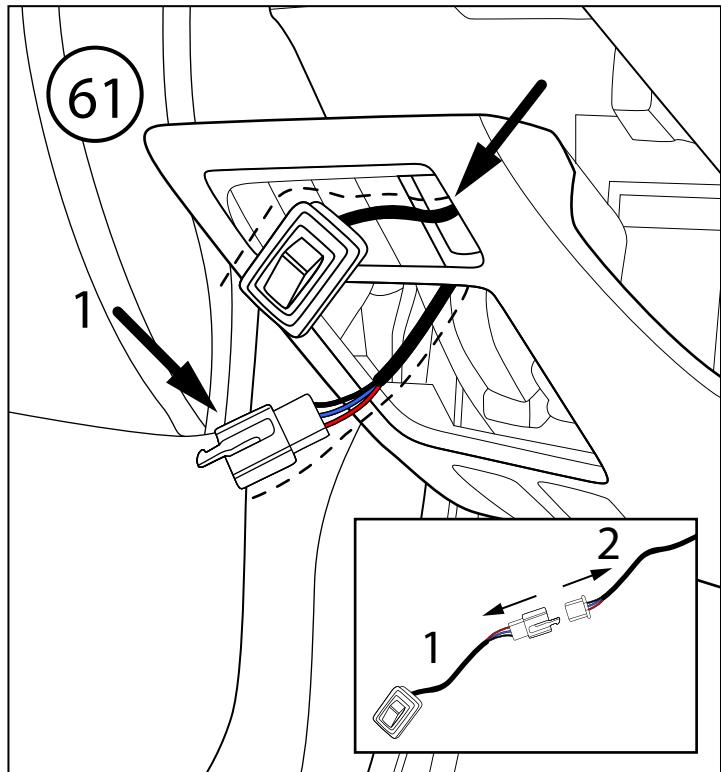


60

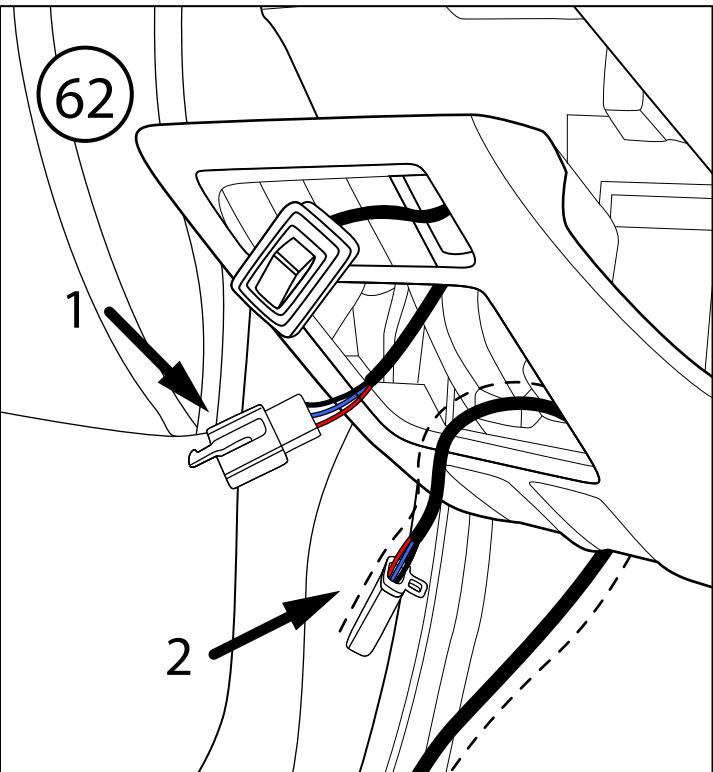


Take off the vehicle switch cover by
using plastic tools.

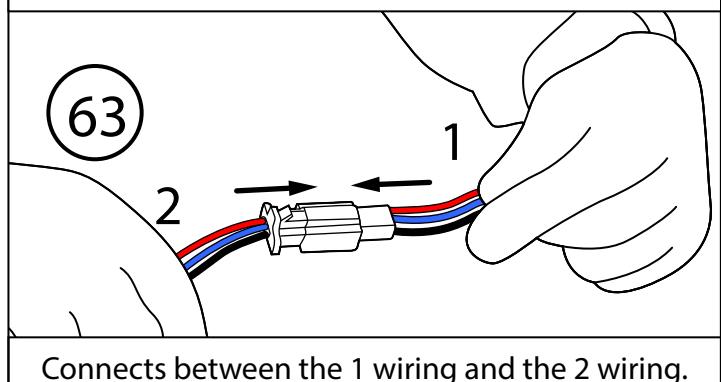
Assemble the Switch Cover with the
Harness Central Lock No.51 Wiring Switch.



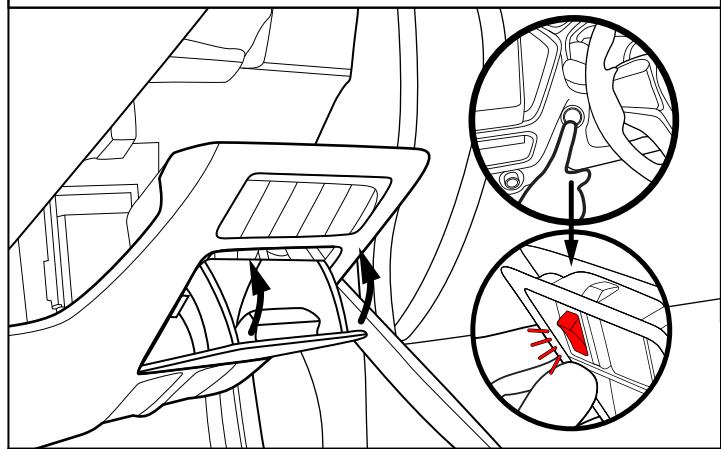
Running the Switch Wiring of the Harness Central Lock No.38 through the Switch Cover pipe of the vehicle.



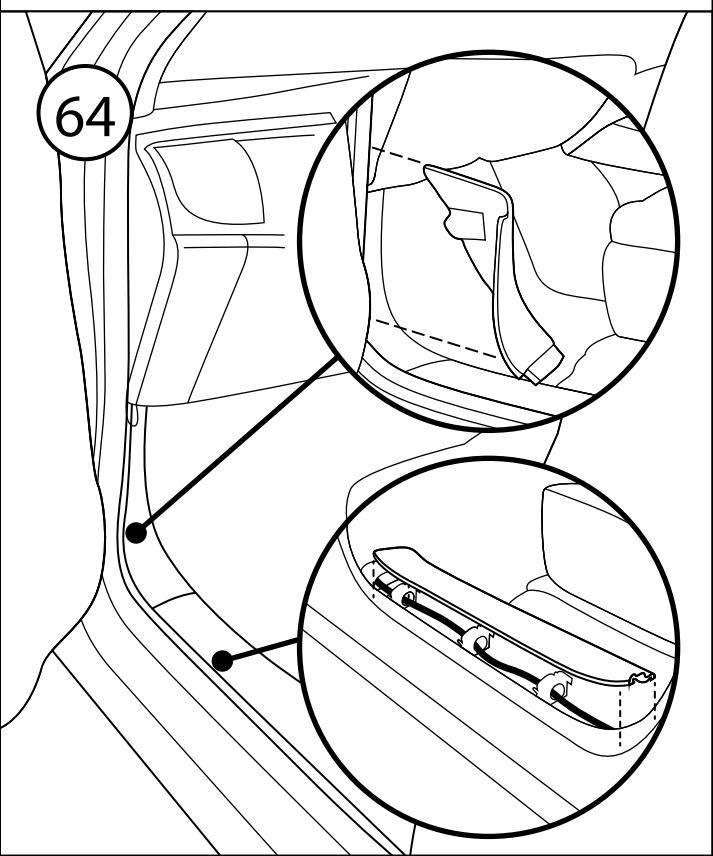
After finish the installation step no.61 then run the 2 wiring via the switch cover pipe under the console.



Connects between the 1 wiring and the 2 wiring.



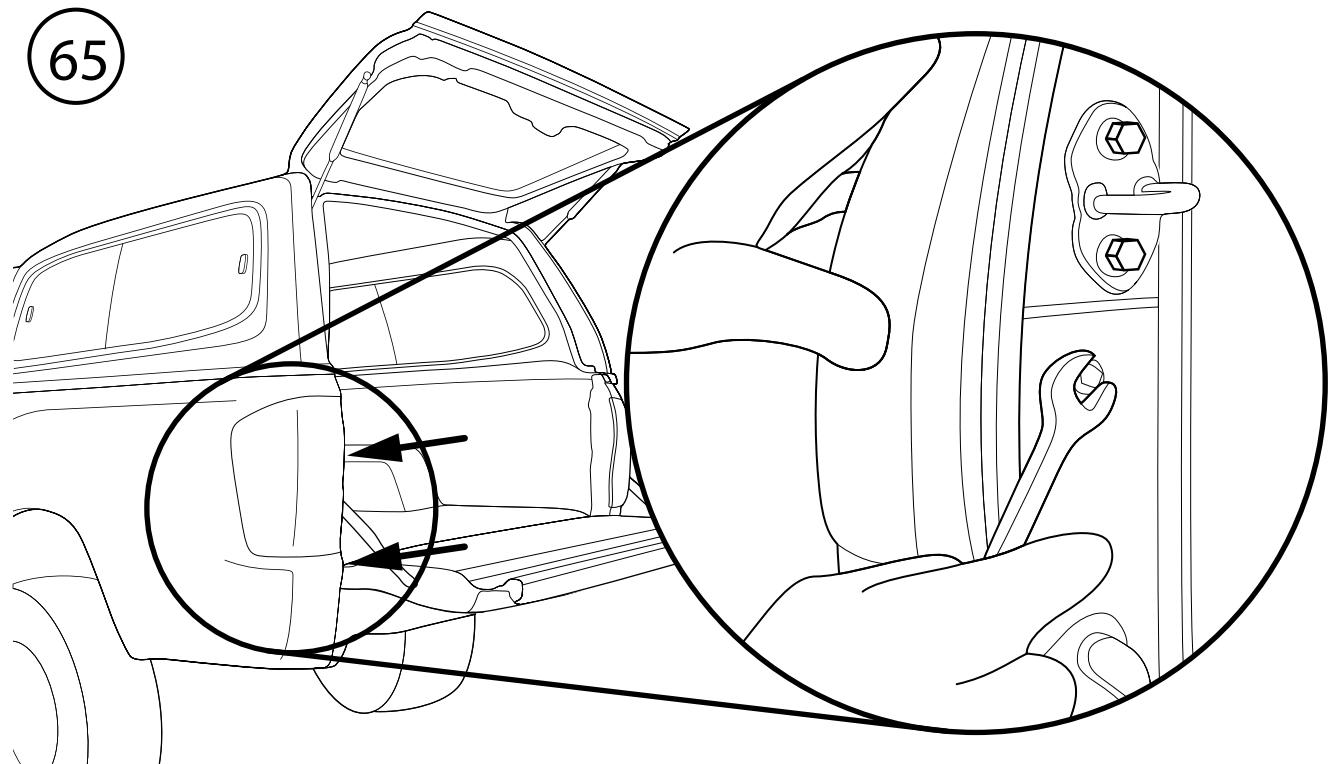
Close the cover. After that, check the working process by turn on and push the switch. The light must be on.



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

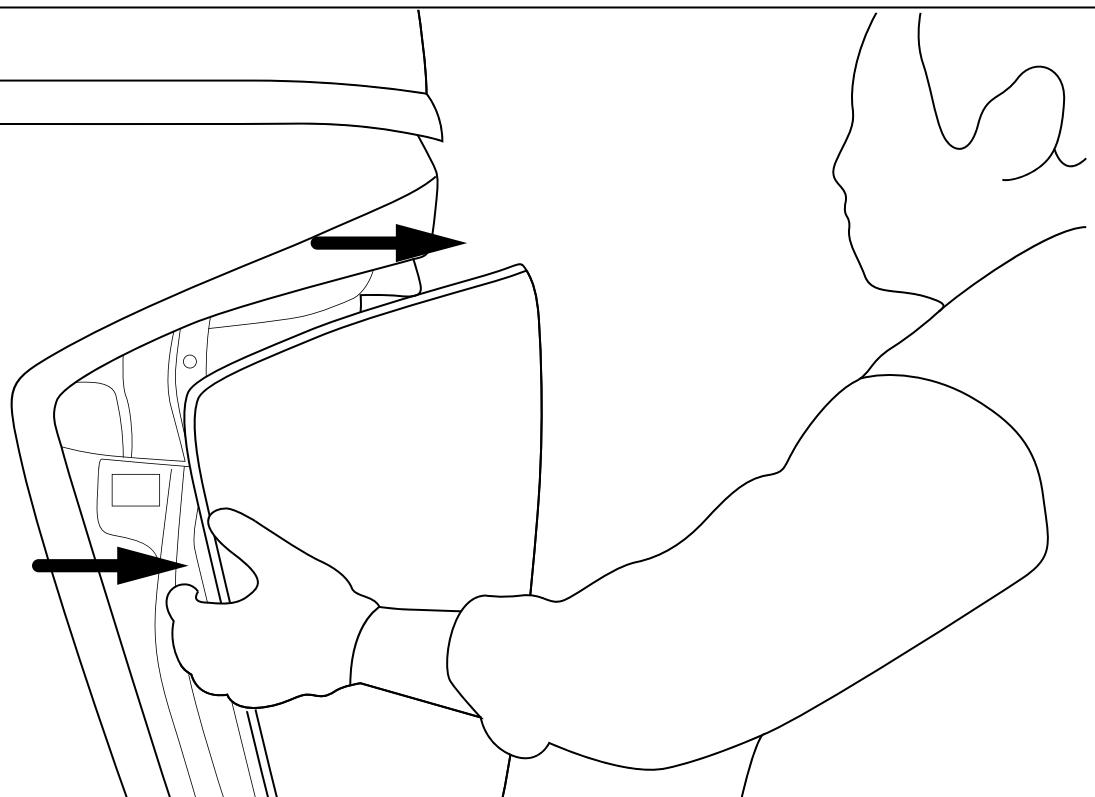


65



Take off the Rear Light by using wrench No.10

66

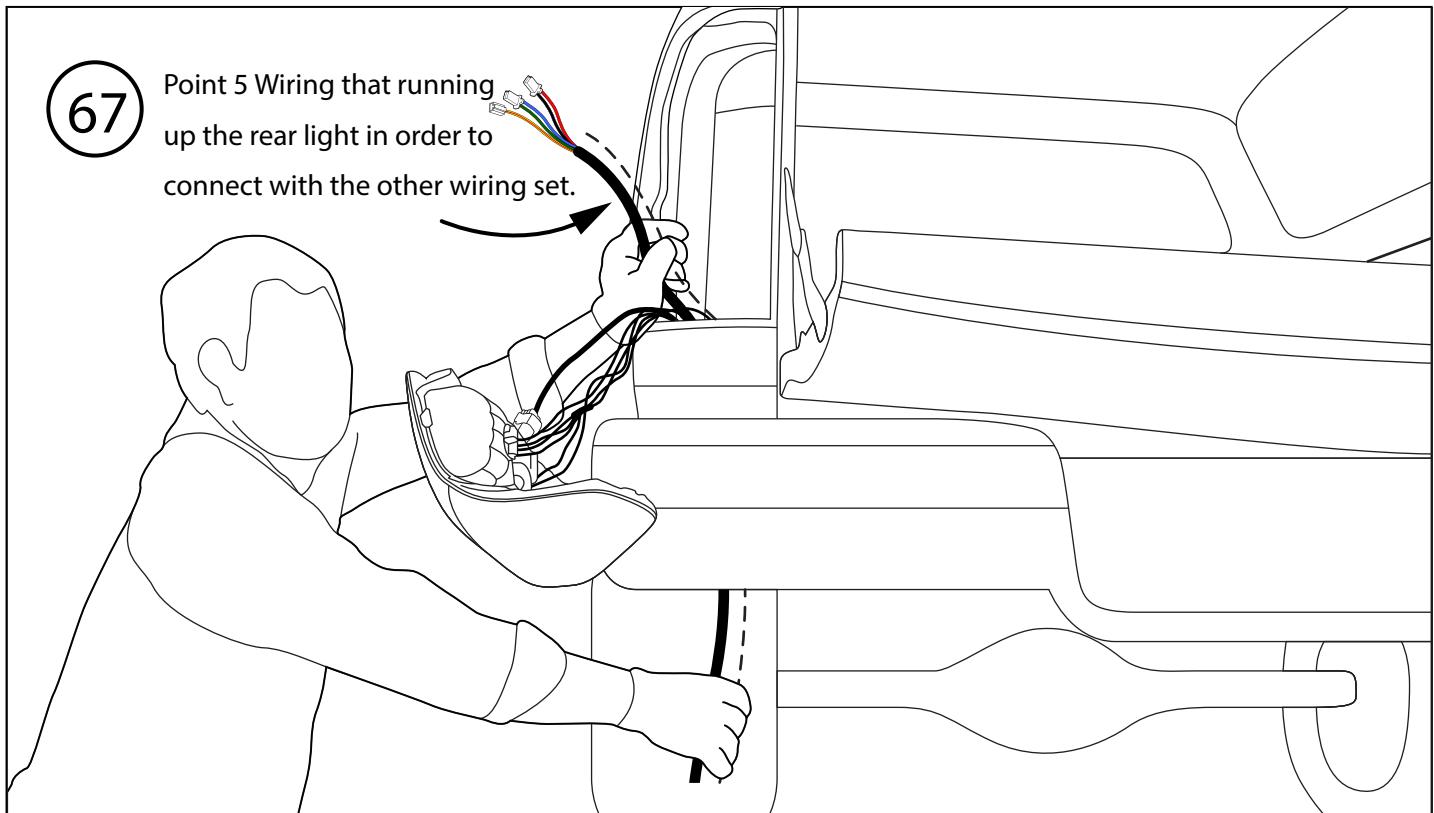


Take off the Rear Light vehicle.



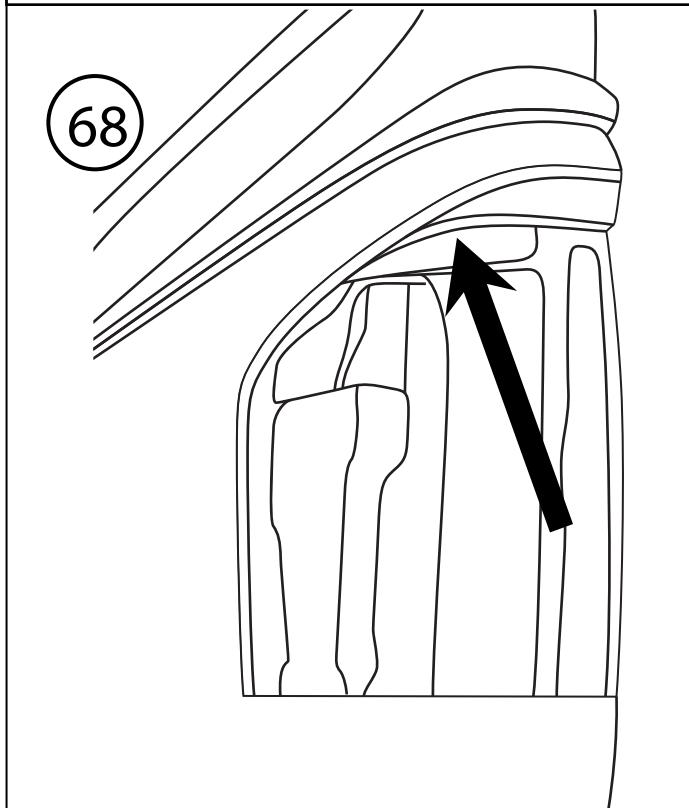
67

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

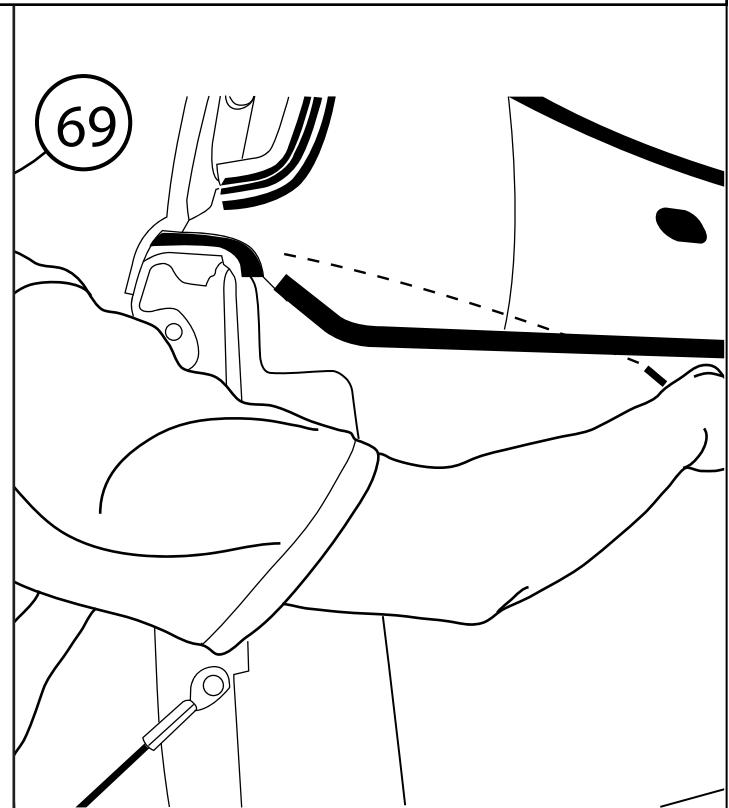


Running the Harness Central Lock No.38 up to the vehicle rear light in order to connects with the Harness Central Lock No.51.

68



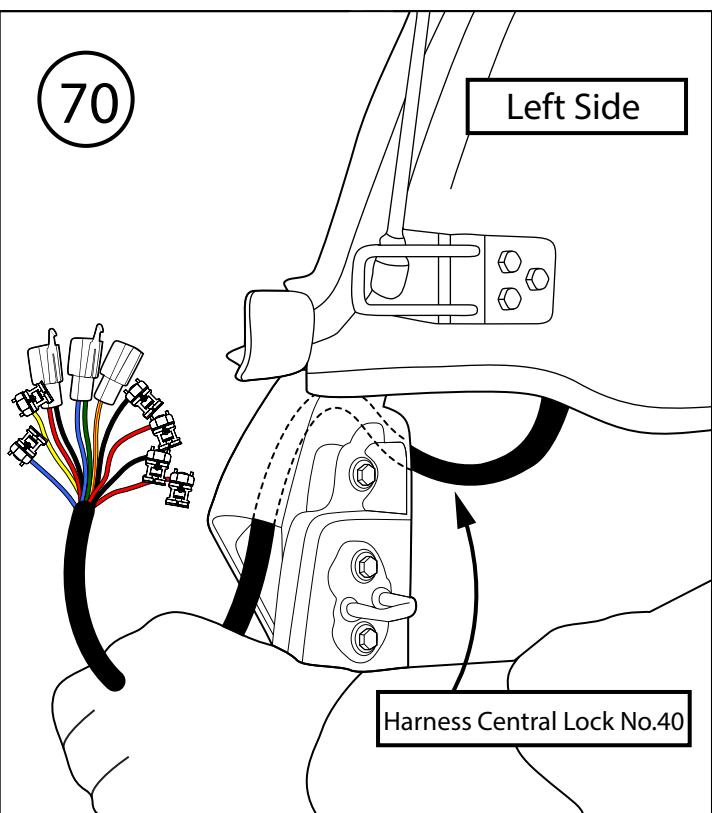
69



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

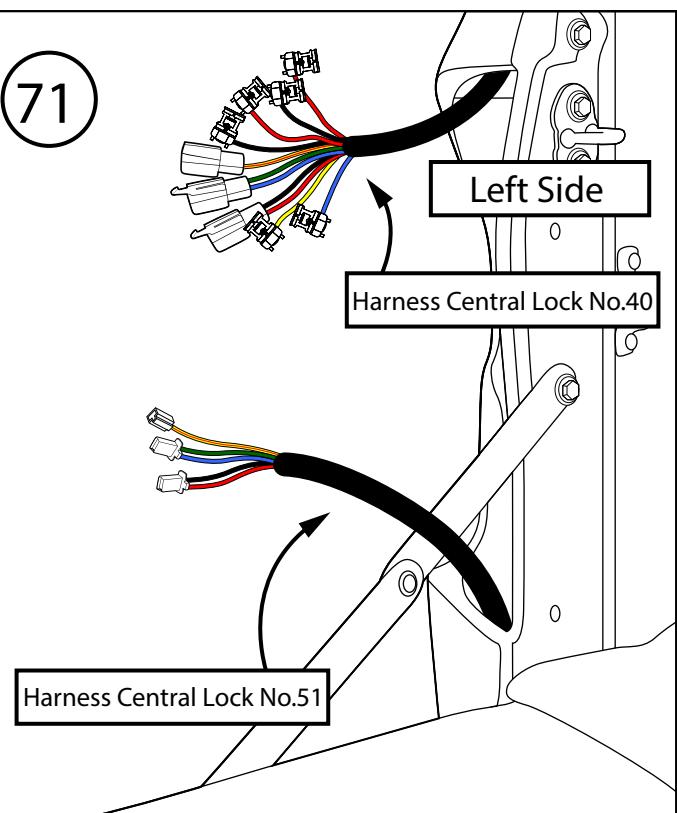


70



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

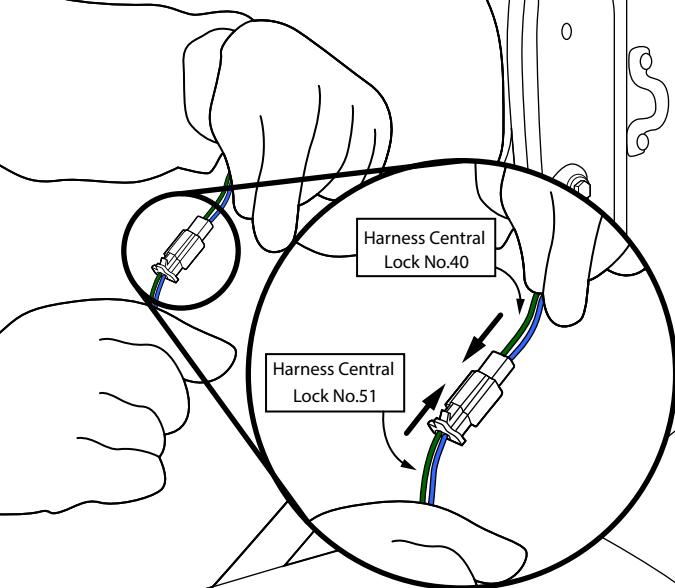
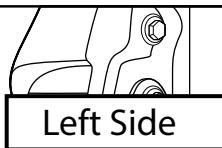
71



The Harness Central Lock No.40 wiring vehicle position and the Harness Central Lock No.51 wiring set.

72

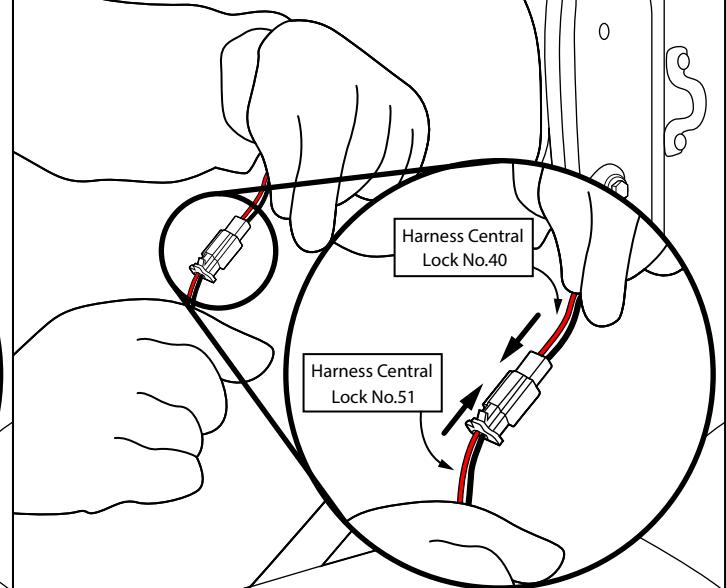
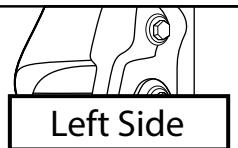
Central Lock
Wire Connect



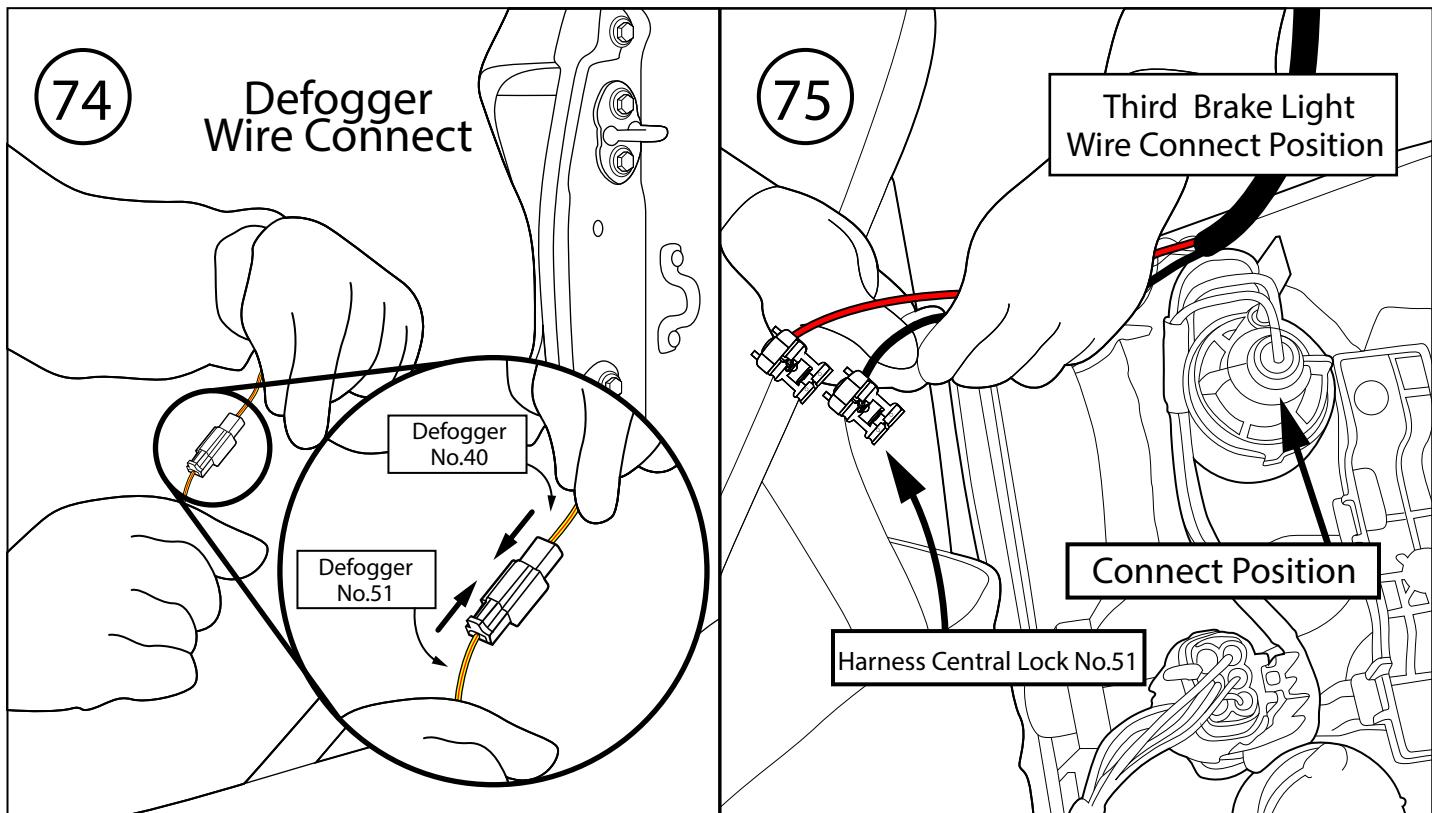
The process of connecting the Central Lock (BL,DG) wiring of the Harness Central Lock No.40 with the Central Lock (BL,DG) wiring of the Harness Central Lock No.51.

73

Room Lamp
Wire Connect

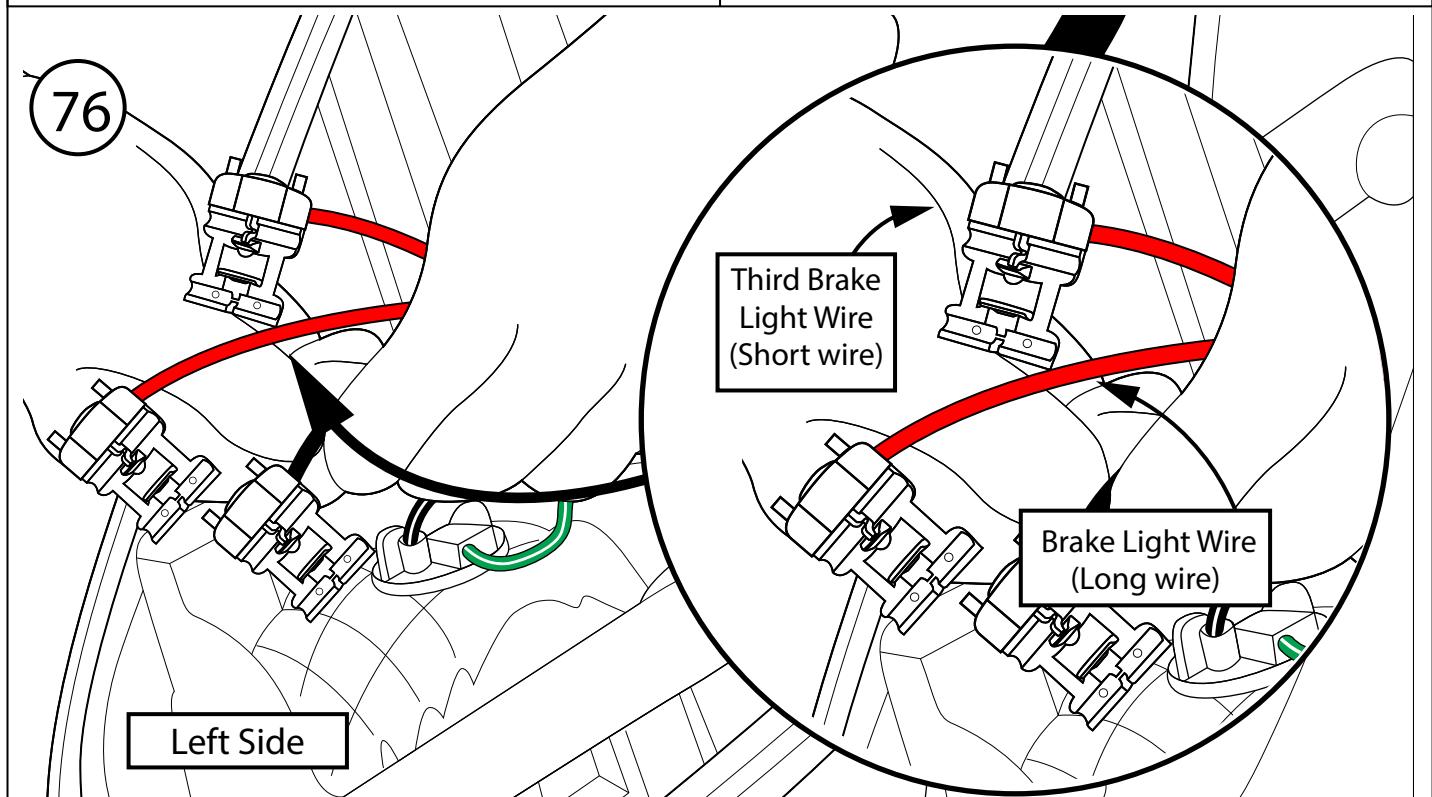


The process of connecting the Room Lamp (RD,BK) wiring of the Harness Central Lock No.40 with the Room Lamp (RD,BK) wiring of the Harness Central Lock No.51.

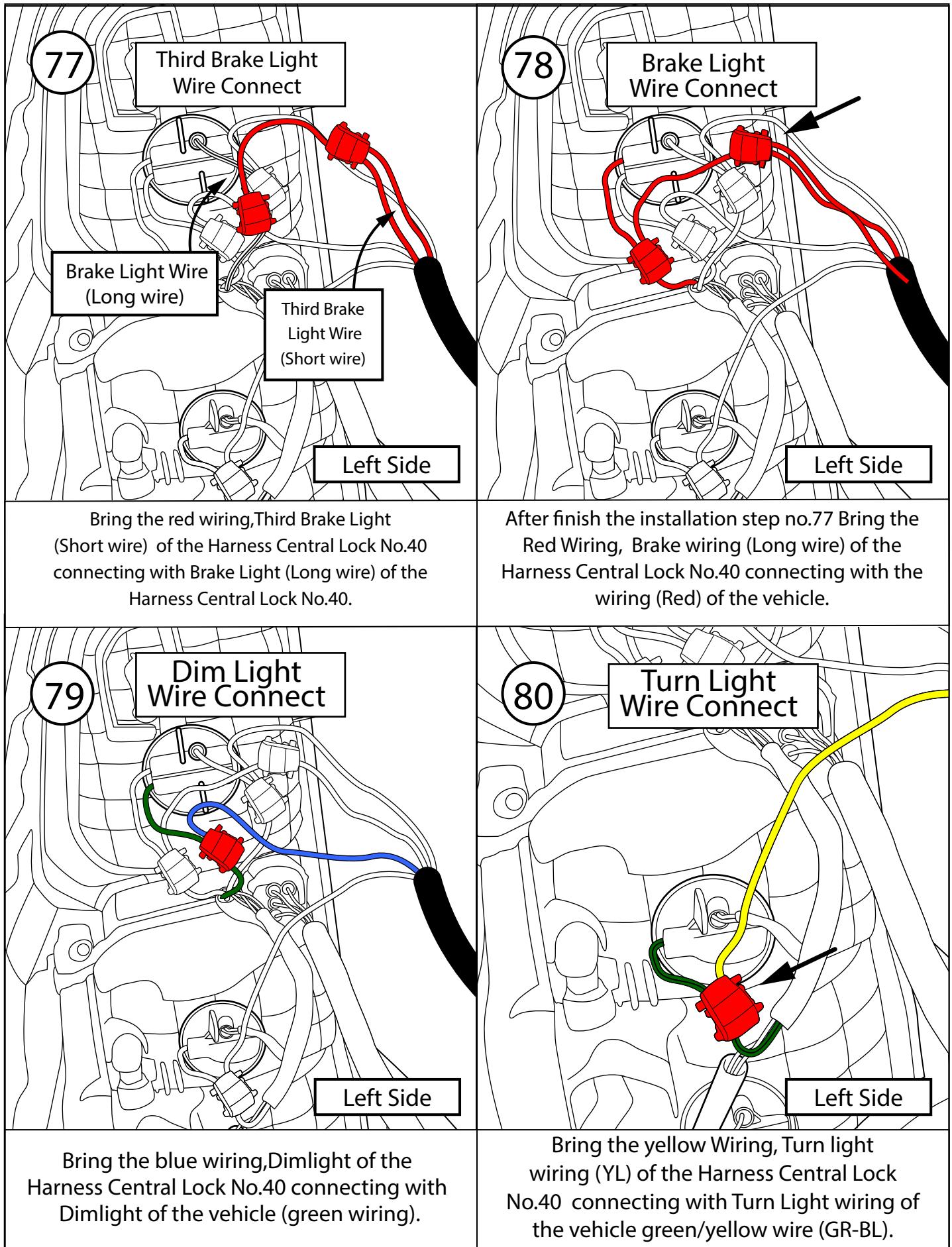


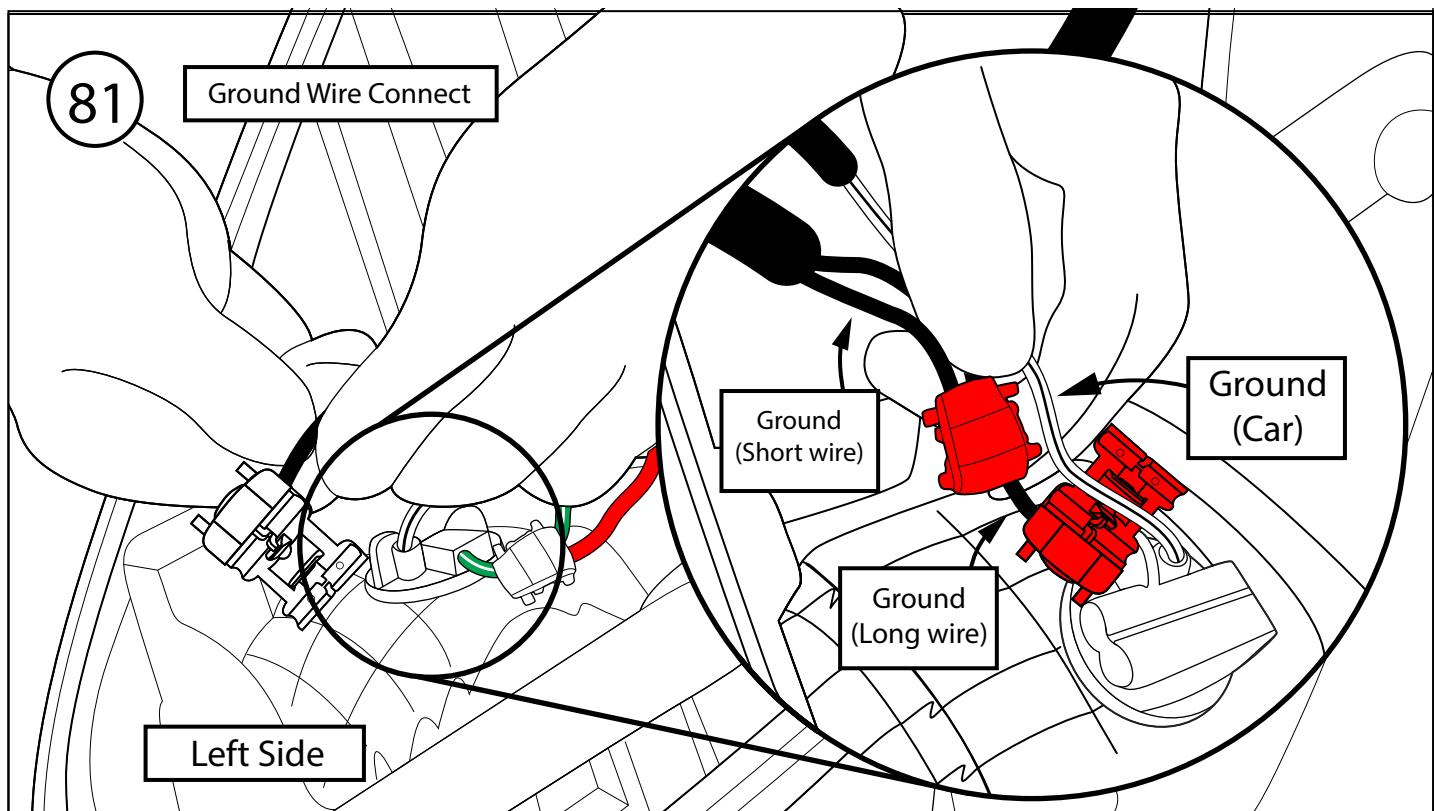
The step of connecting the Defogger (YL/RD) wiring of the Harness Central Lock No.40 with the Defogger (YL/RD) wiring of the Harness Central Lock No.51.

The position of connecting the Red and Black Wiring of the Third Brake Light (RD,BK) circuit of the Harness Central Lock No.51 with the vehicle rear light.

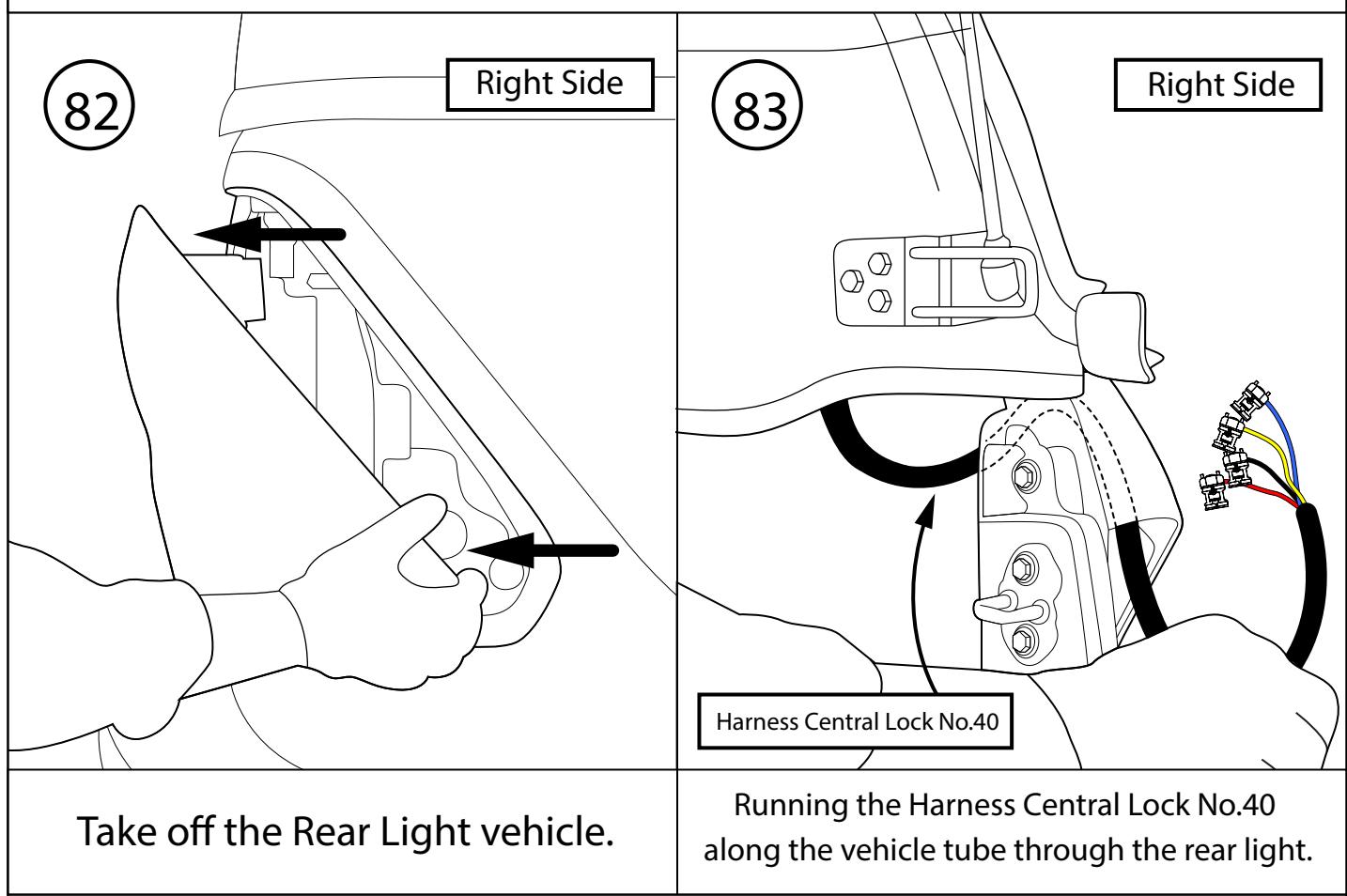


Third Brake Wiring (Short wire, Red wire) of the Harness Central Lock No.40 and Brake Light (Long wire, Red wire) of the Harness Central Lock No.40





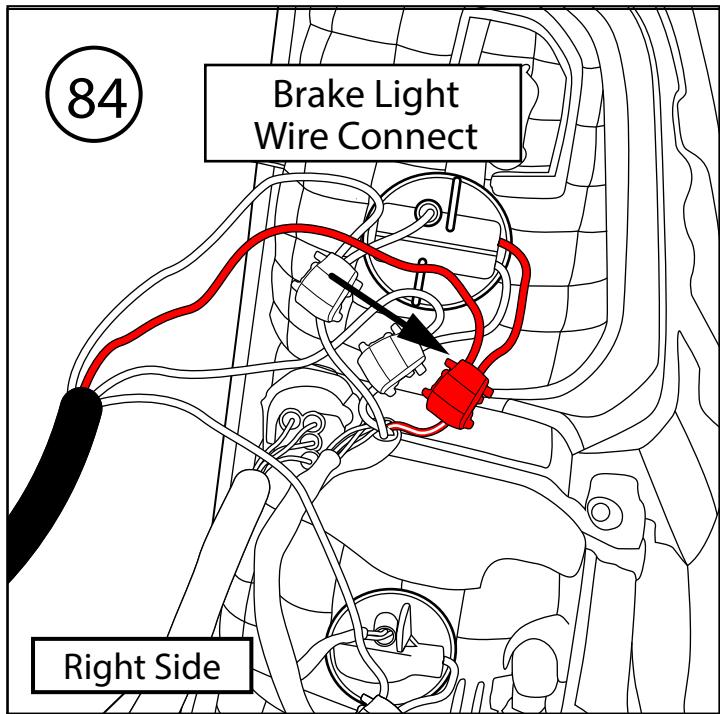
Bring the Black Wiring, GROUND (Short wire) and GROUND (Long wire) of the Harness Central Lock No.40 connecting with the White/Black (WH/BK) Ground wiring of the vehicle rear light.





84

Brake Light
Wire Connect

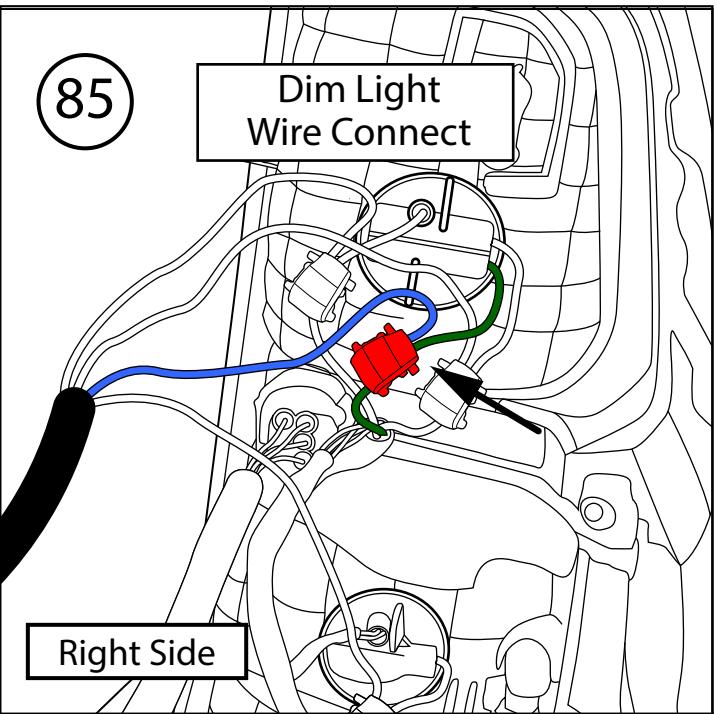


Right Side

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

85

Dim Light
Wire Connect

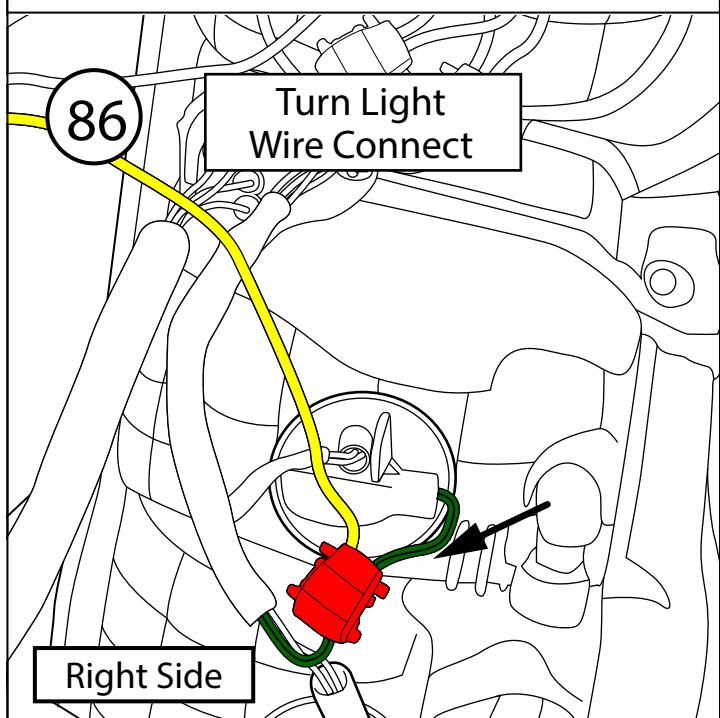


Right Side

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

86

Turn Light
Wire Connect

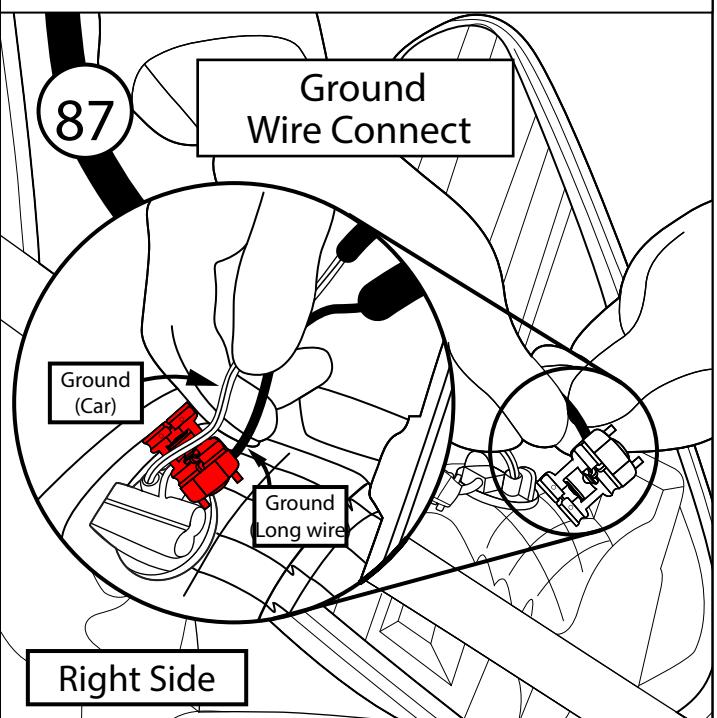


Right Side

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

87

Ground
Wire Connect

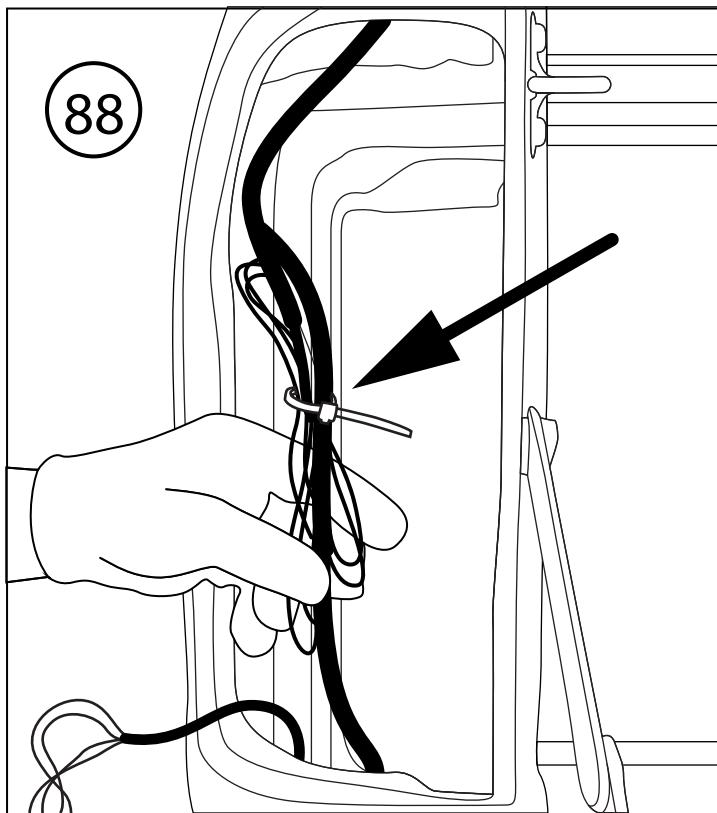


Right Side

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

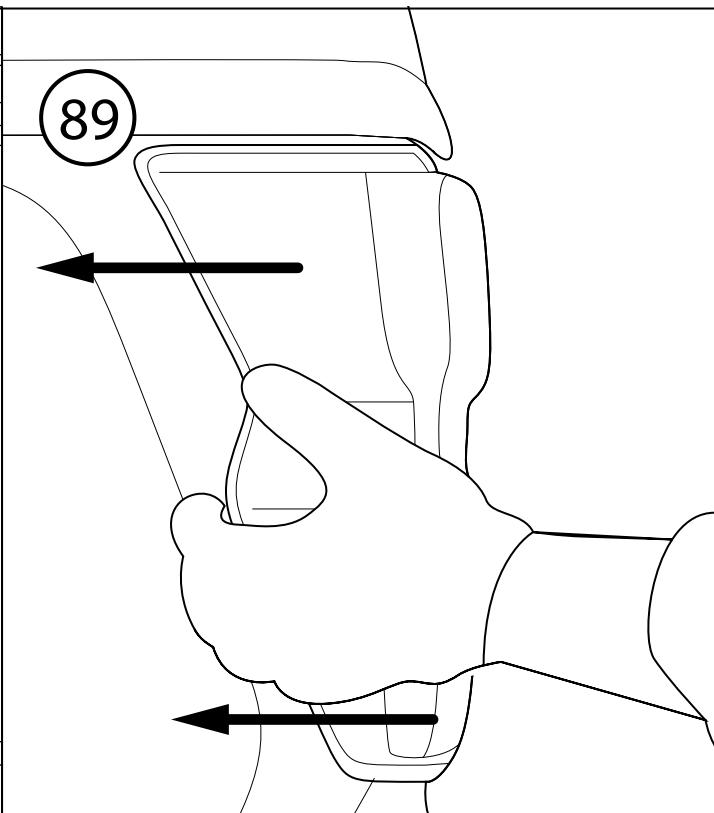


88



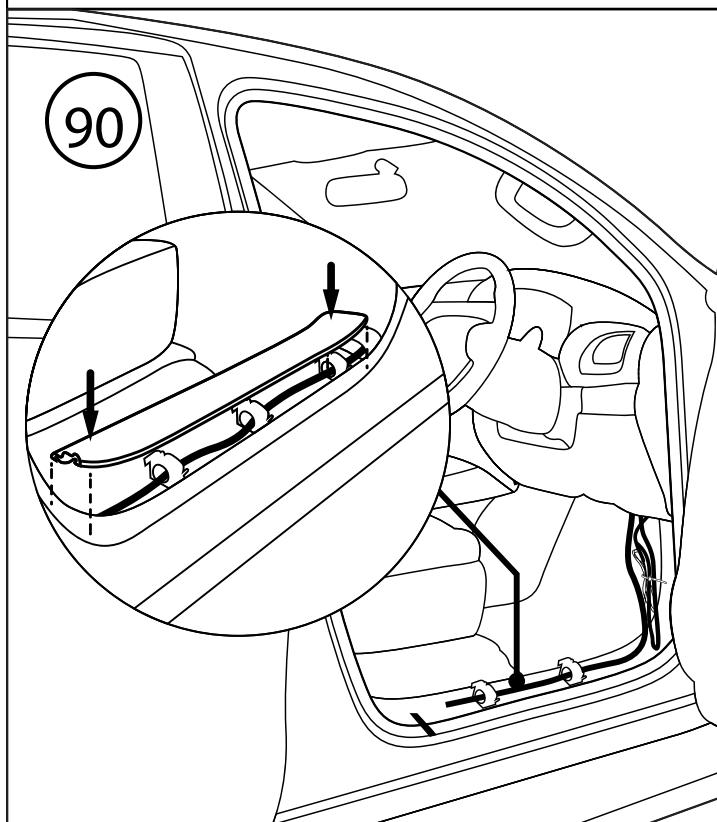
Tight up all the wiring by using
the Cable Tie

89

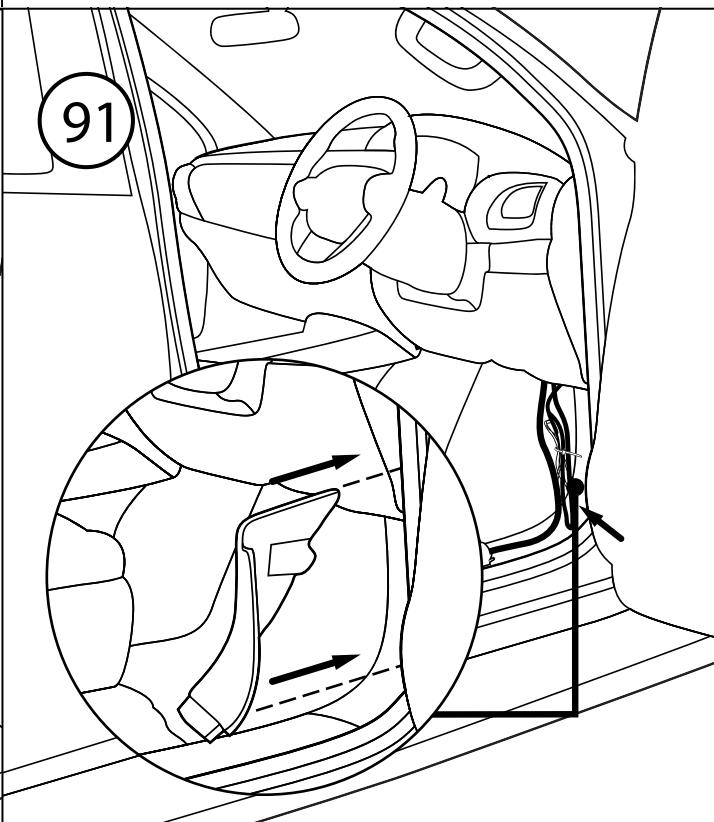


Reassemble the vehicle rear light.

90



91



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



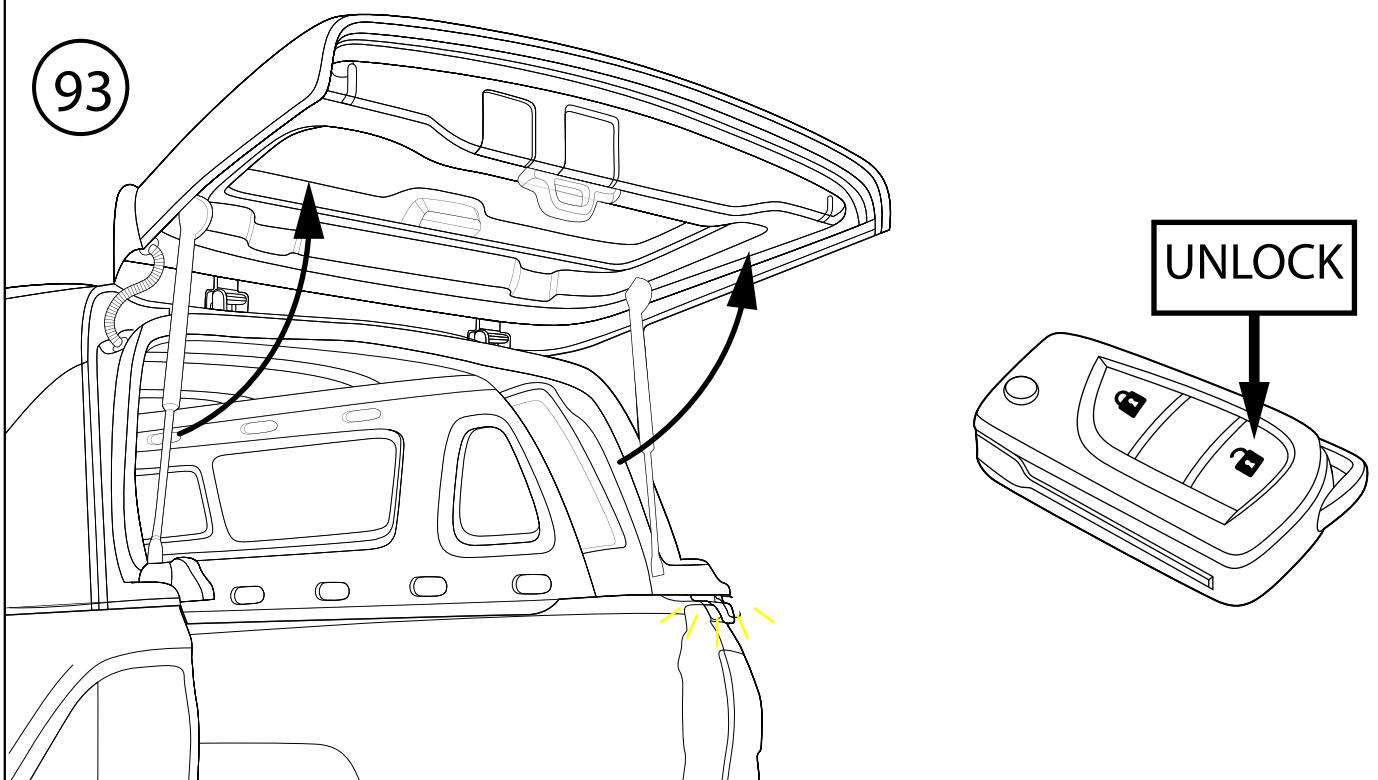
92

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.

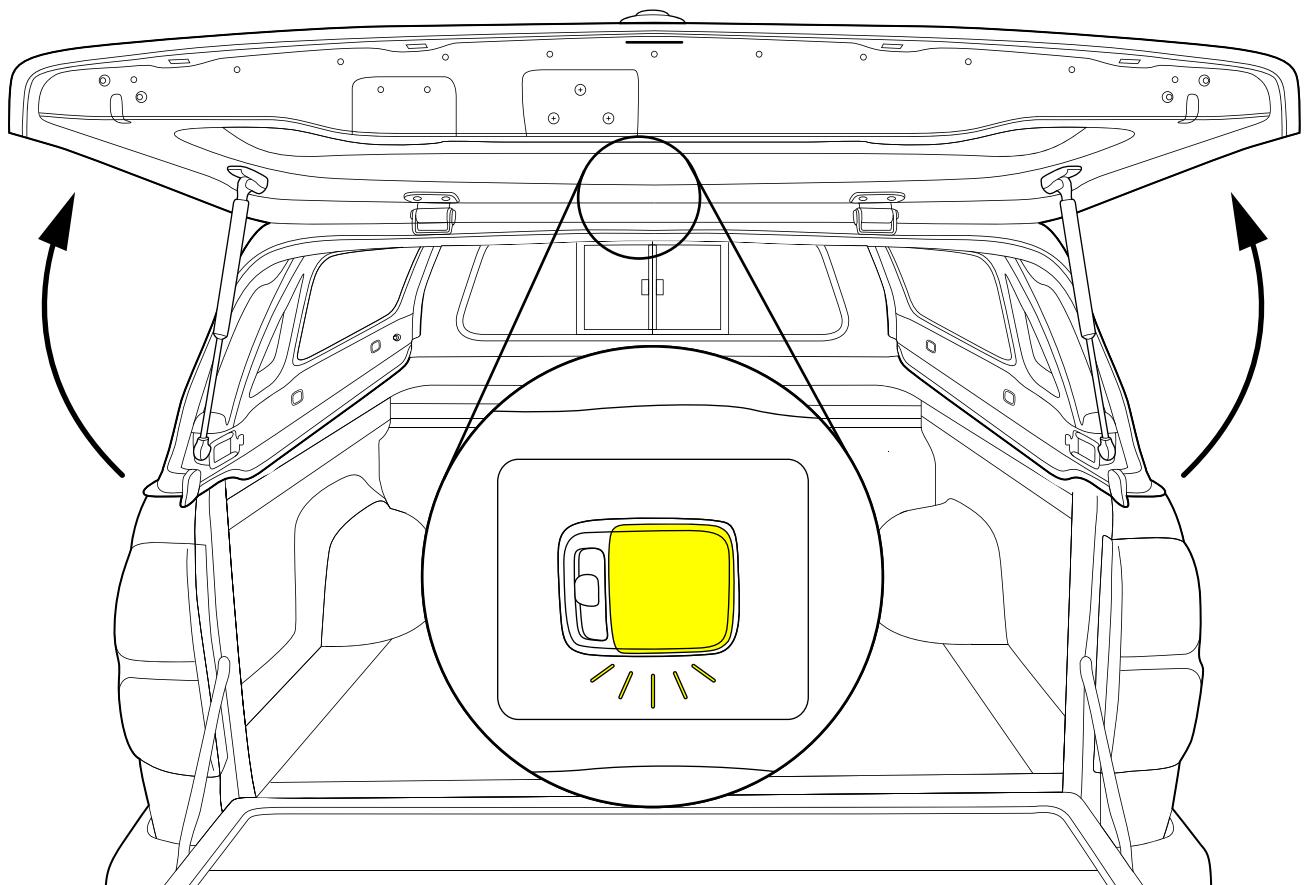
93



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



94



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

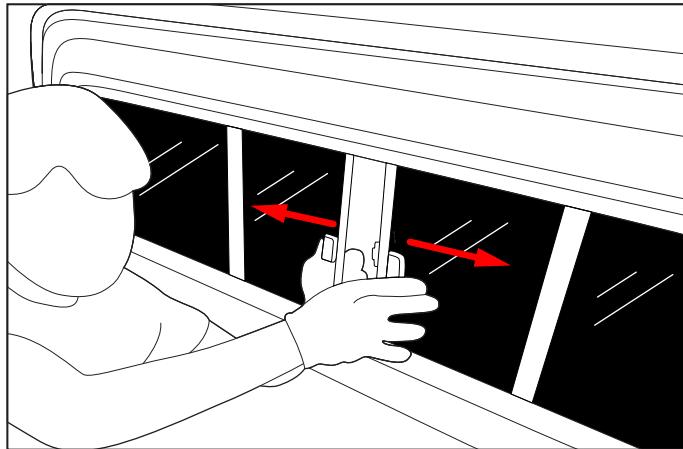


SAMMITR



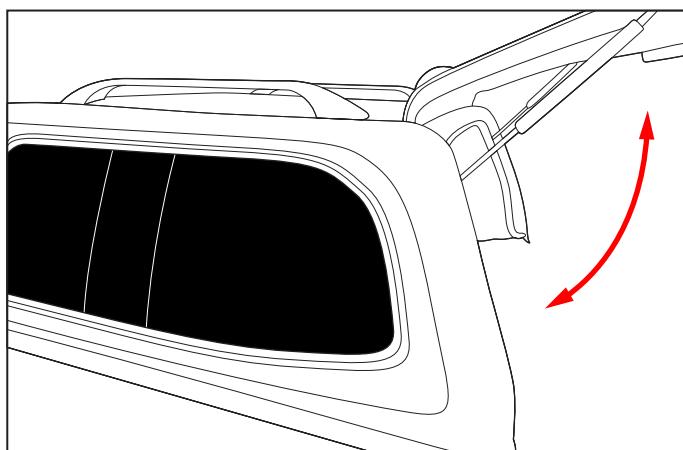
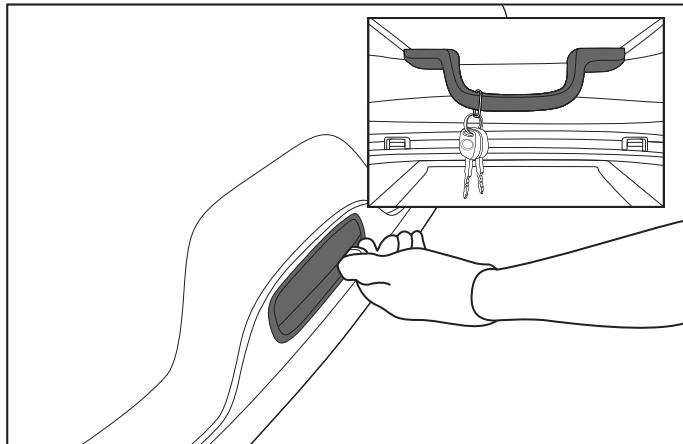
SAMMITR

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

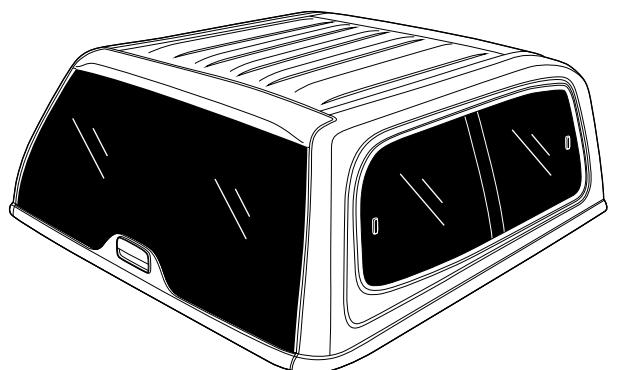


Use the key is unlock function will be the same for all model, V2, V4 and TL1.

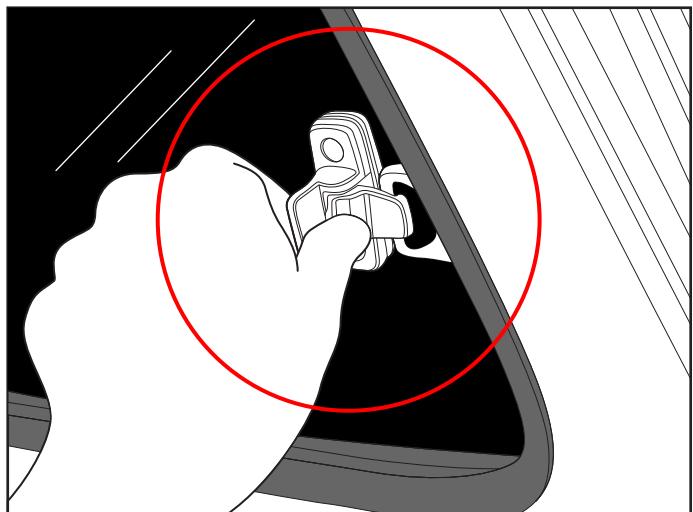
Open the backdoor function are different.



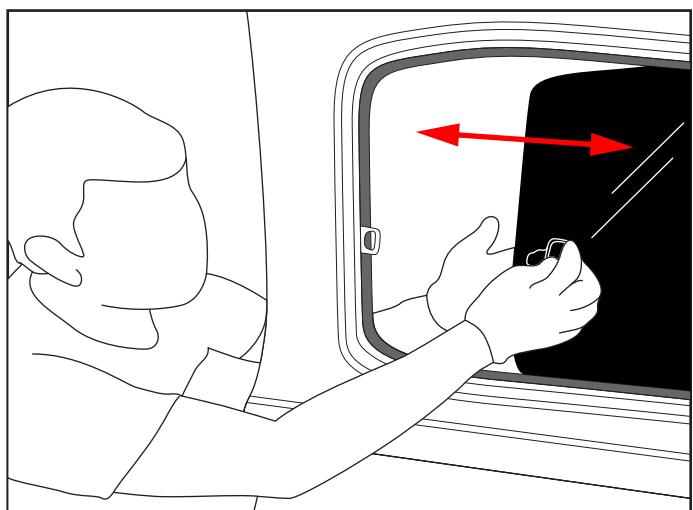
User manual



Slide Window (Left-Right)



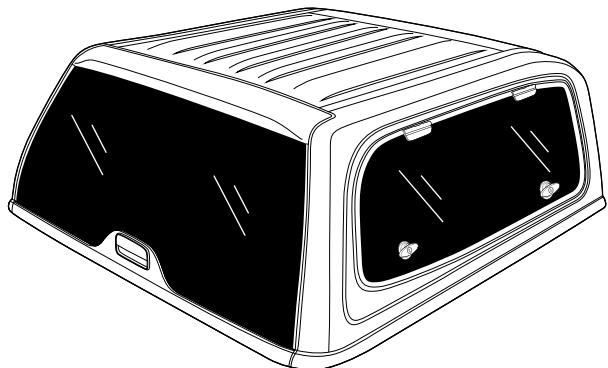
Squeeze the lock side to open.



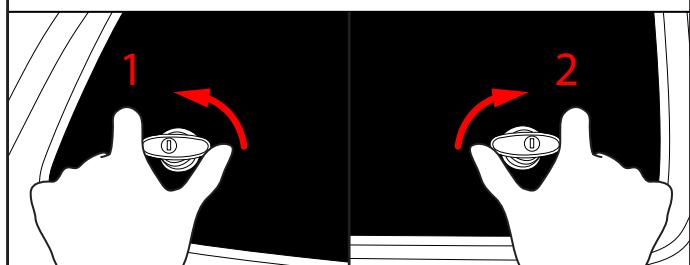
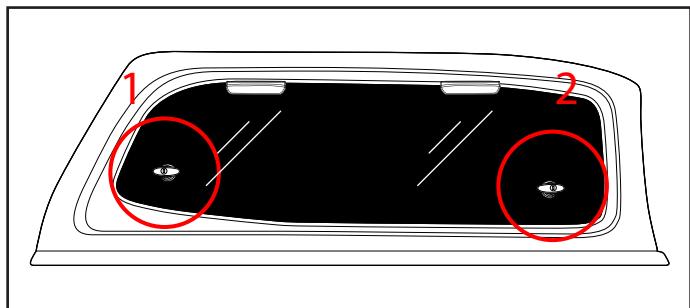
The Picture shows how to open the side window.



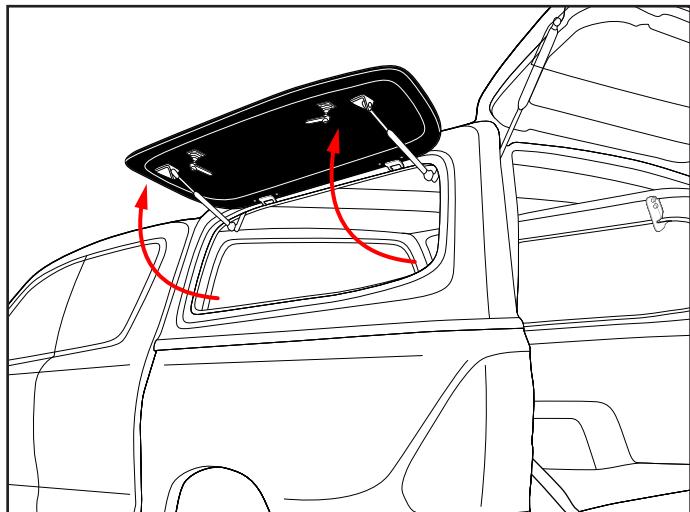
User manual



Glass Birdwing Window Left-Right
(Handle Lock)

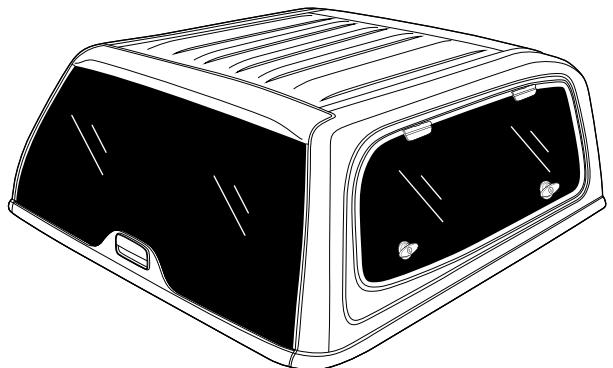


Turn around the canopy lock as shown in picture to open the side window.

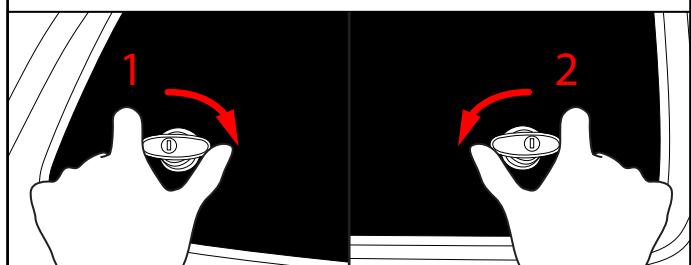
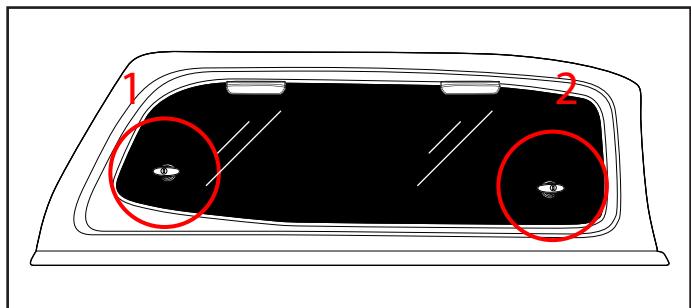


Picture shows how to open the side window.

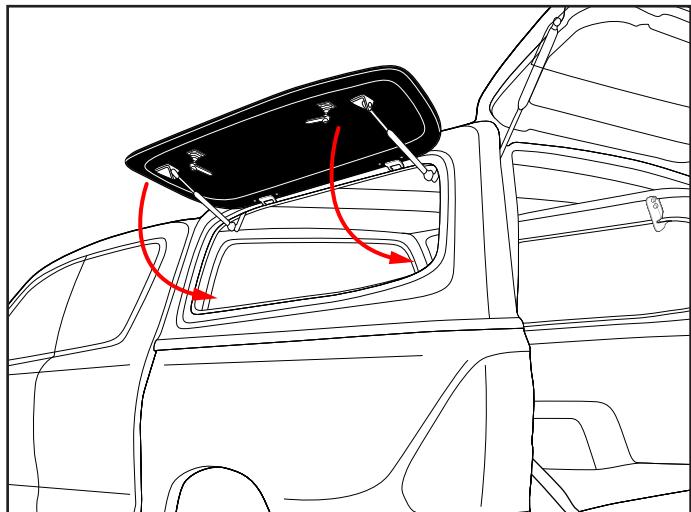
User manual



Glass Birdwing Window Left-Right
(Handle Lock)



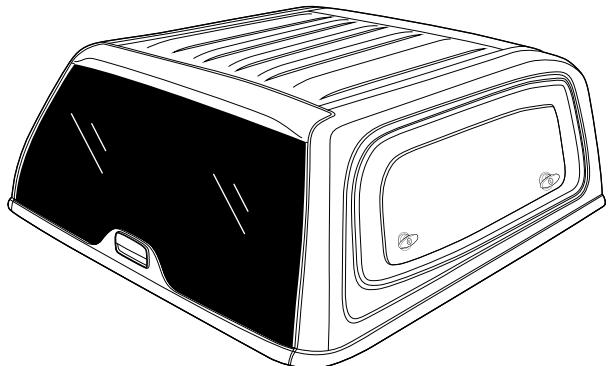
Turn around the canopy lock as shown in picture to close the side window.



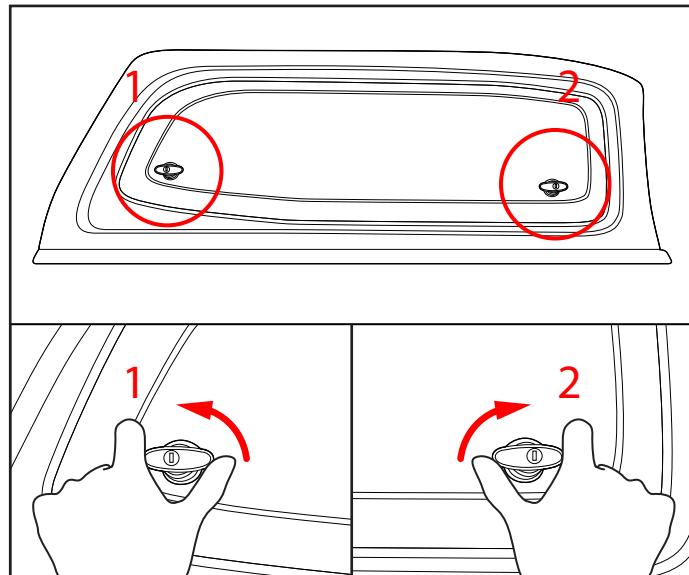
Picture shows how to close the side window.



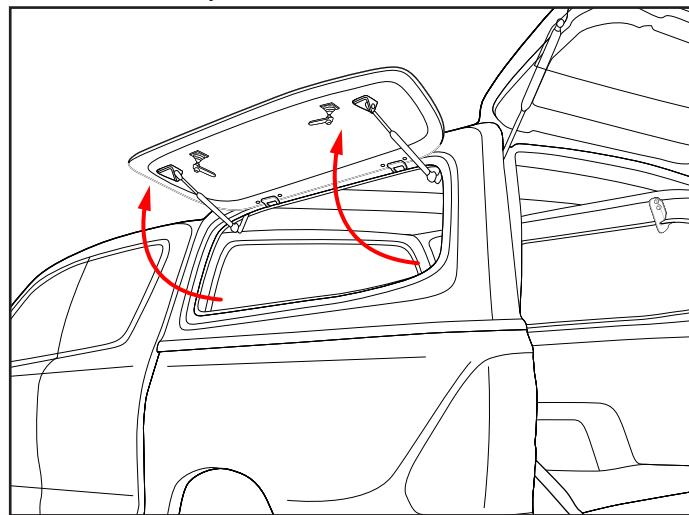
User manual



Solid Birdwing Window Left-Right
(Handle Lock)

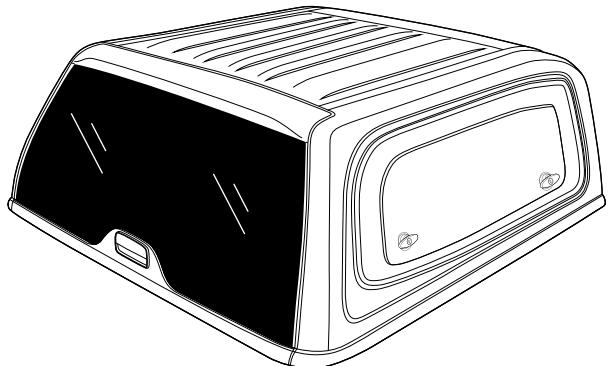


Turn around the canopy lock as shown in picture to open the side window.

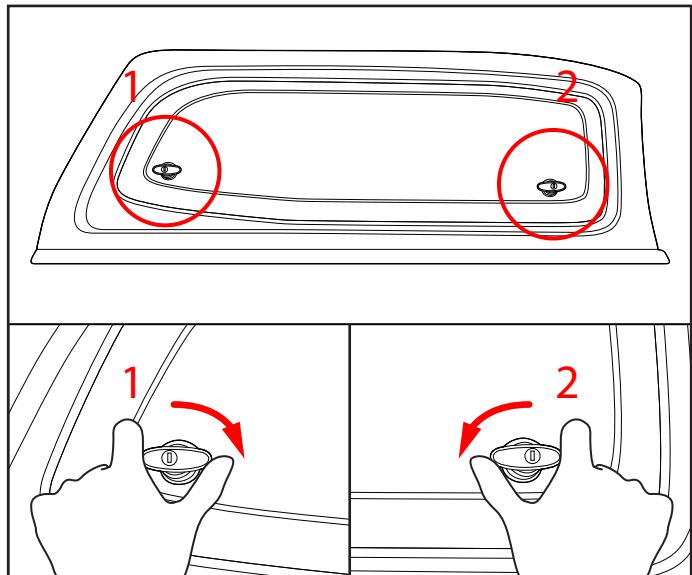


Picture shows how to open the side window.

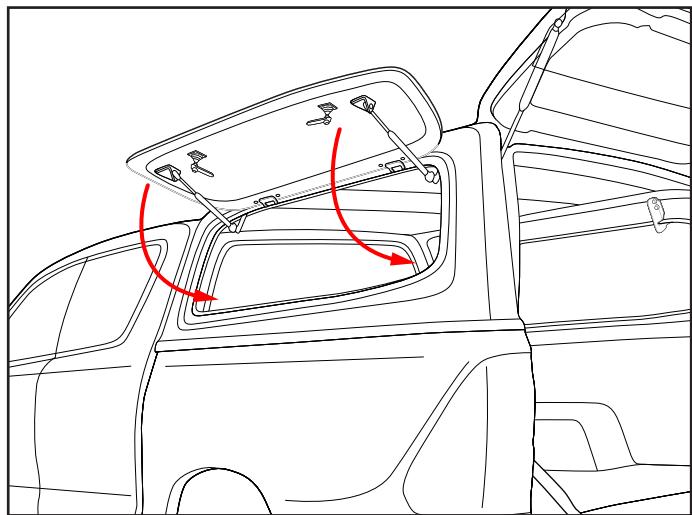
User manual



Solid Birdwing Window Left-Right
(Handle Lock)



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

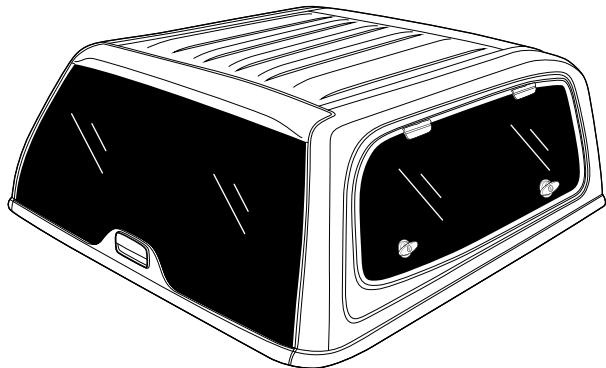


Picture shows how to close the side window.



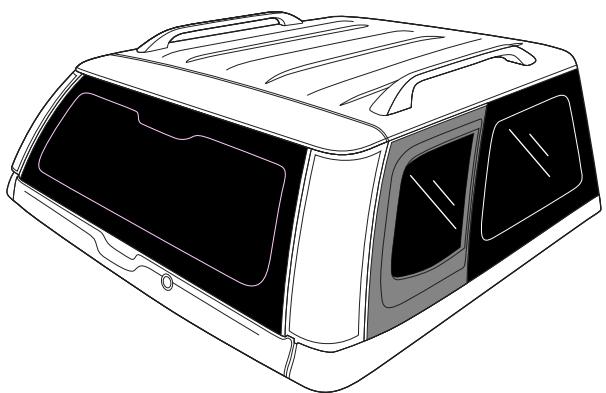
SAMMITR

User manual

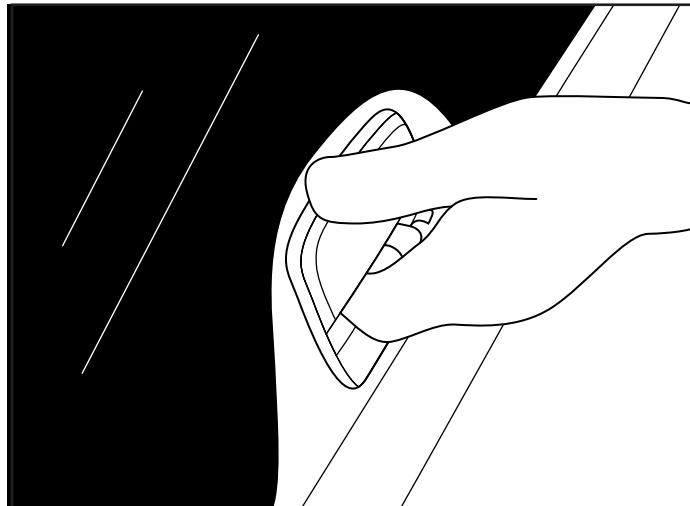


Backdoor

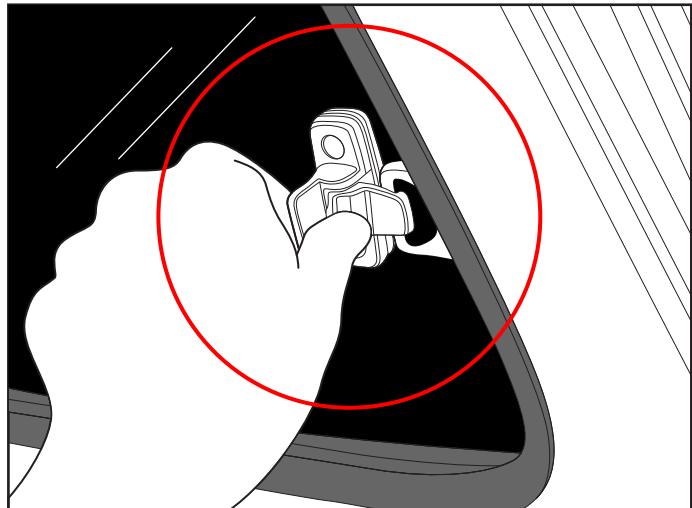
User manual



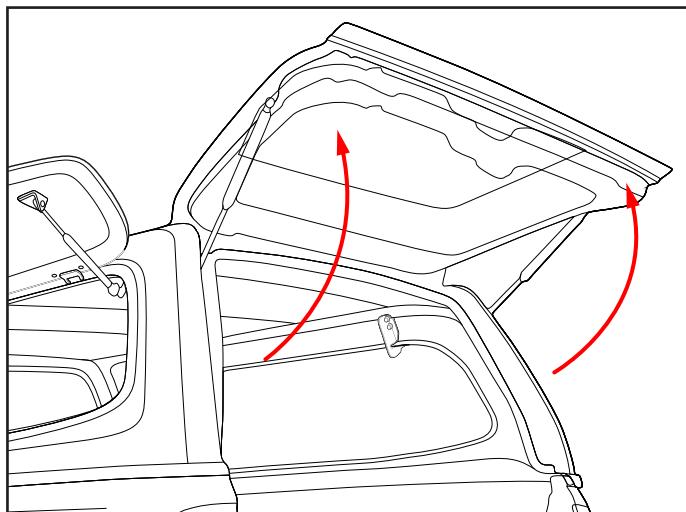
Slide Window (Left-Right)



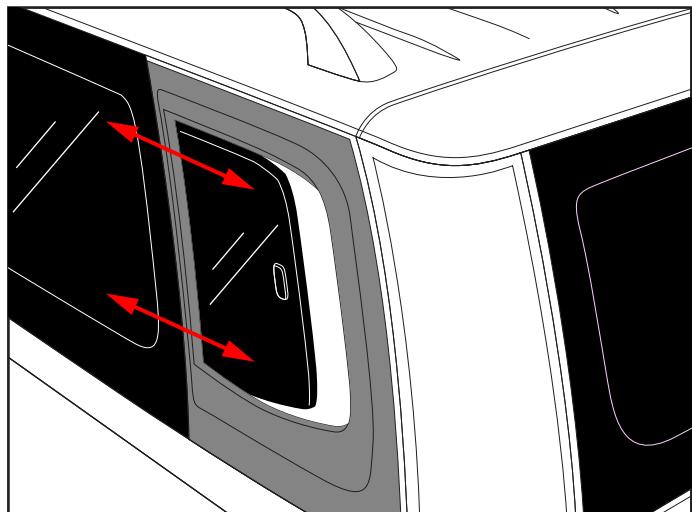
Use the handle as shown in picture to open the backdoor.



Squeeze the lock side to open.



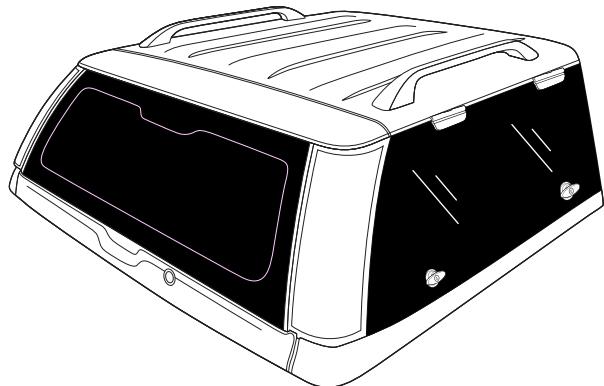
The Picture shows how to open the backdoor.



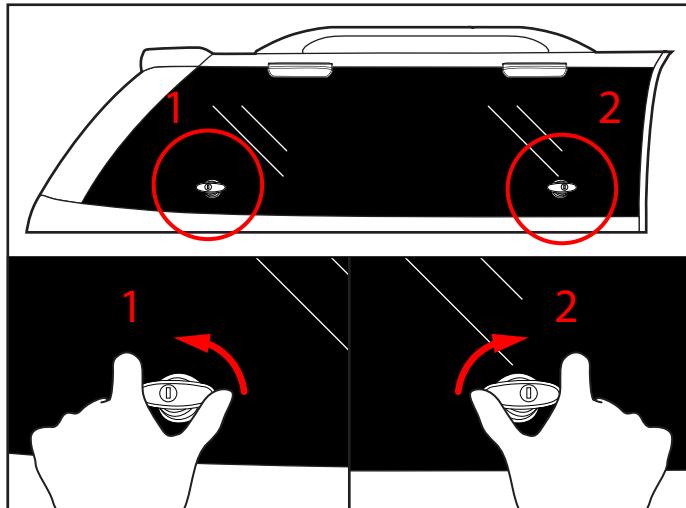
The Picture shows how to open the side window.



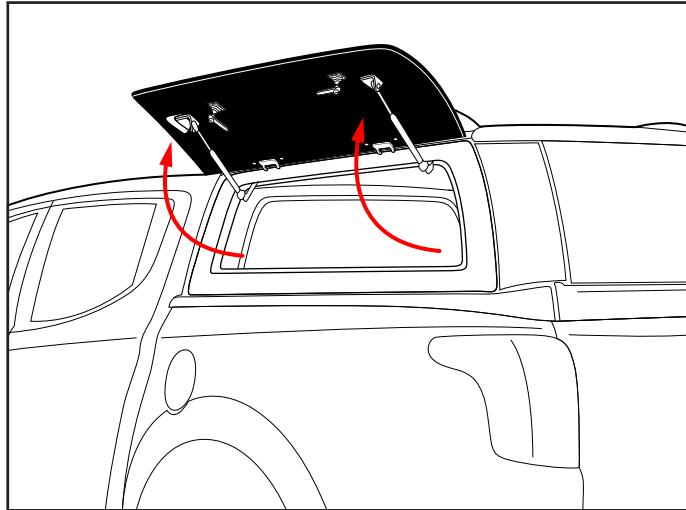
User manual



Glass Birdwing Window Left-Right
(Handle Lock)

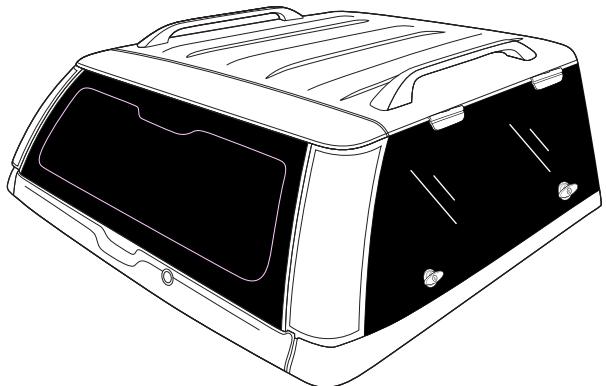


Turn around the canopy lock as shown in picture to open the side window.

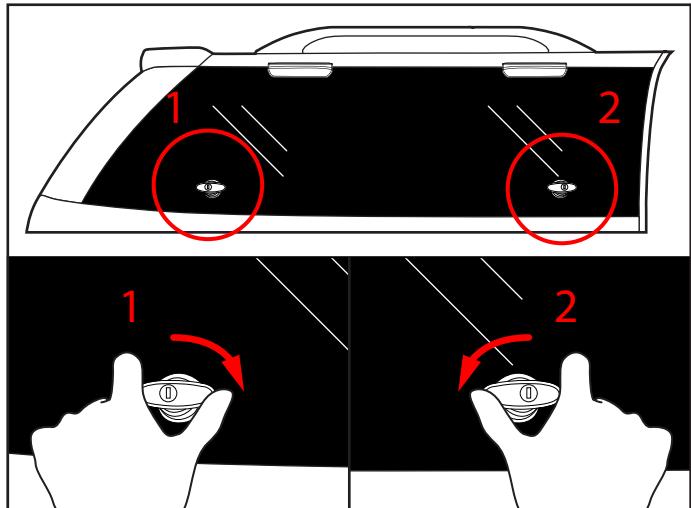


Picture shows how to open the side window.

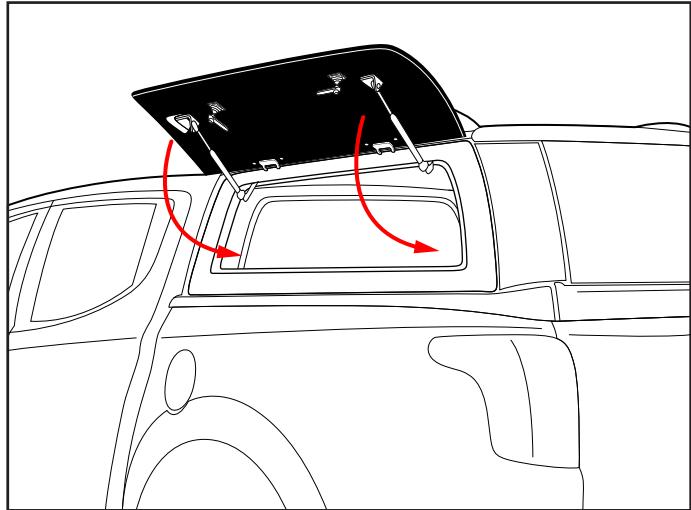
User manual



Glass Birdwing Window Left-Right
(Handle Lock)



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

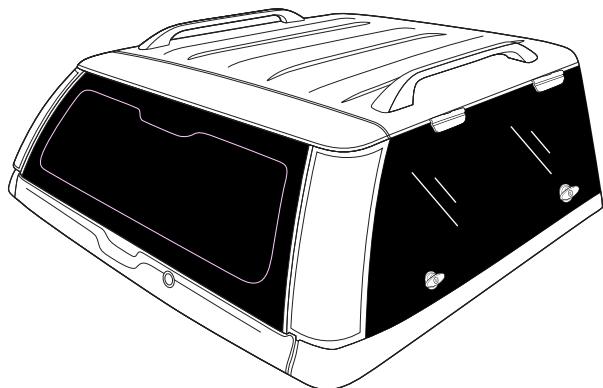


Picture shows how to close the side window.



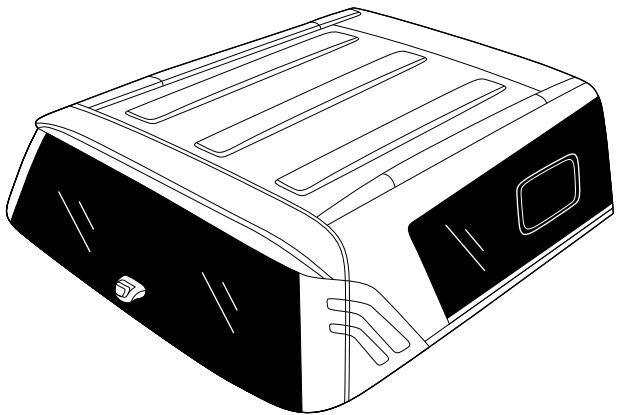
SAMMITR

User manual

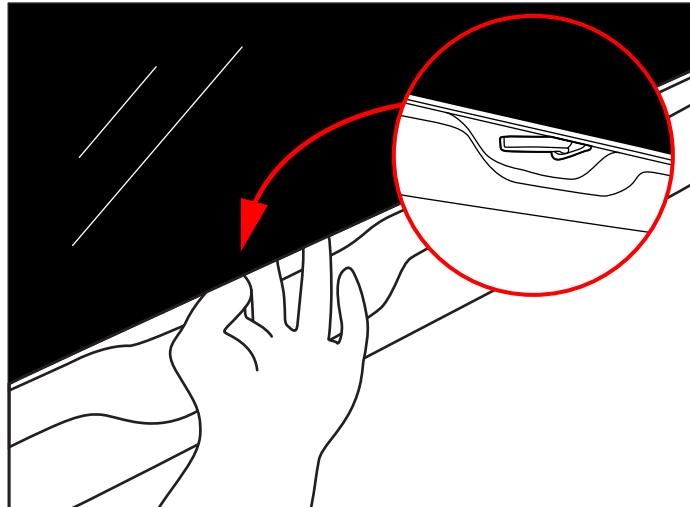


Backdoor

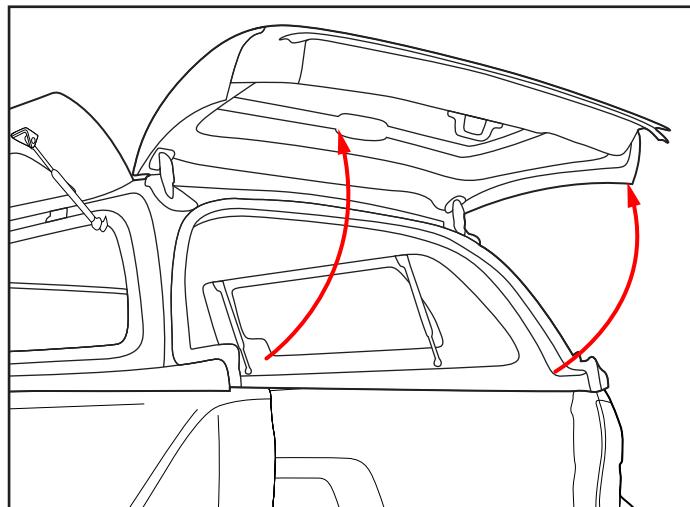
User manual



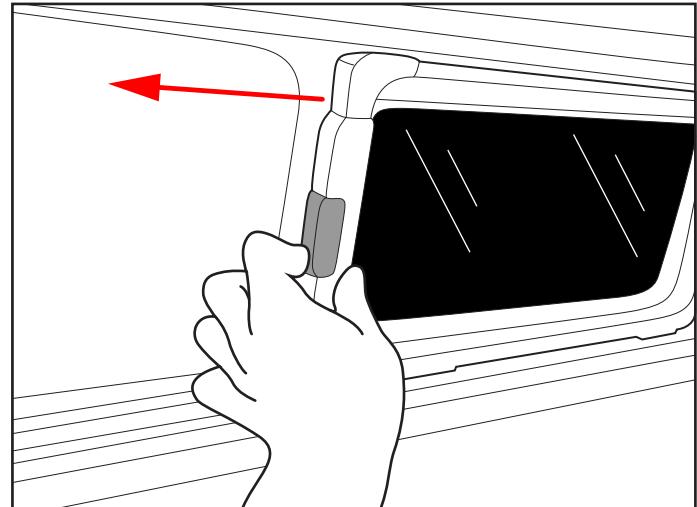
Slide Window (Left-Right)



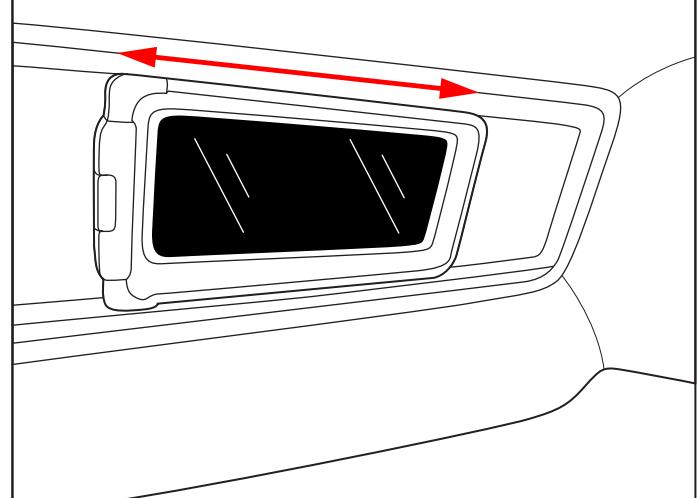
Pull the stick of handle to open the back door.



The Picture shows how to open the backdoor.



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

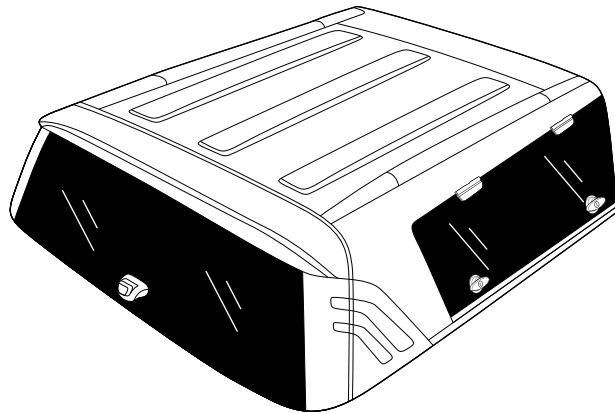


Picture shows how to open the side window from inside.



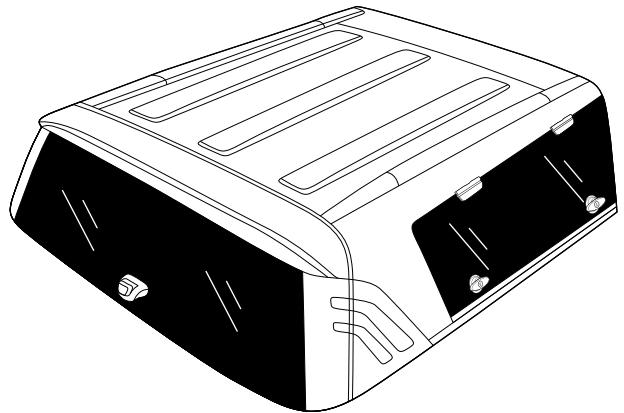
SAMMITR

User manual

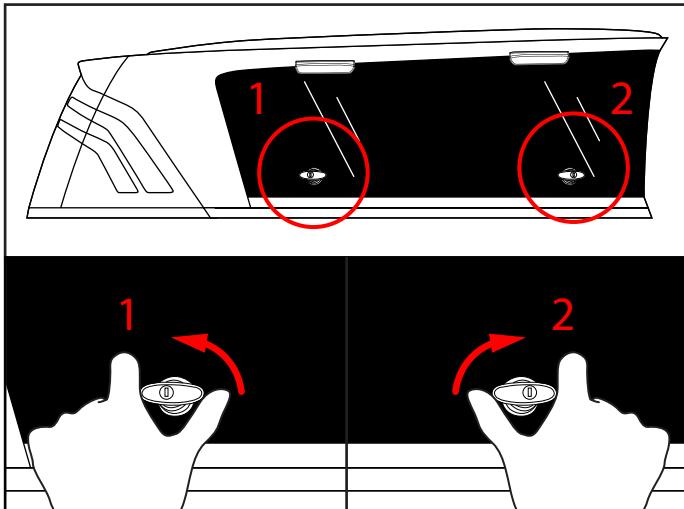


Glass Birdwing Window Left-Right
(Handle Lock)

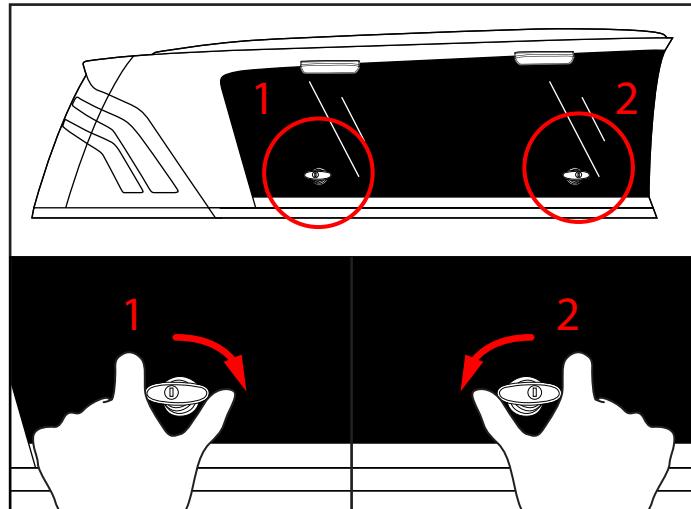
User manual



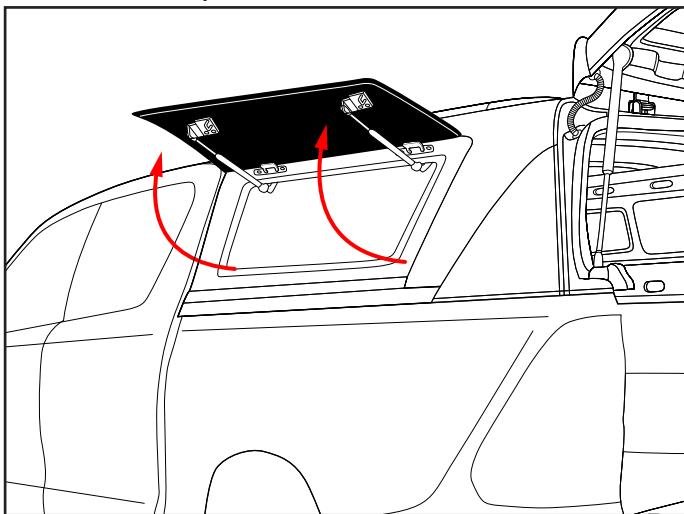
Glass Birdwing Window Left-Right
(Handle Lock)



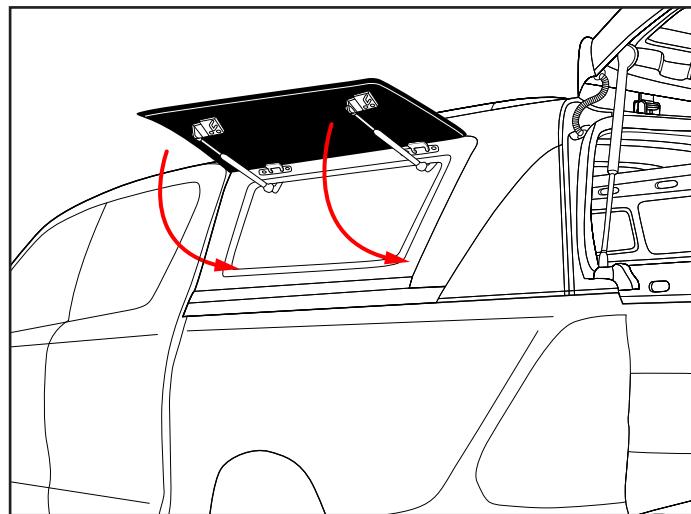
Turn around the canopy lock as shown in picture to open the side window.



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



Picture shows how to open the side window.

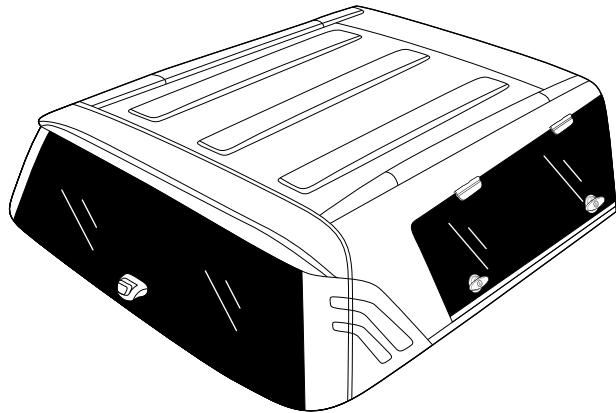


Picture shows how to close the side window.

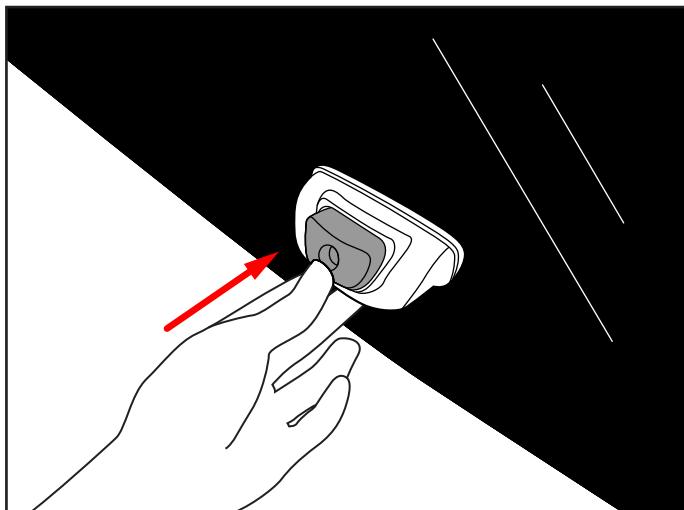


SAMMITR

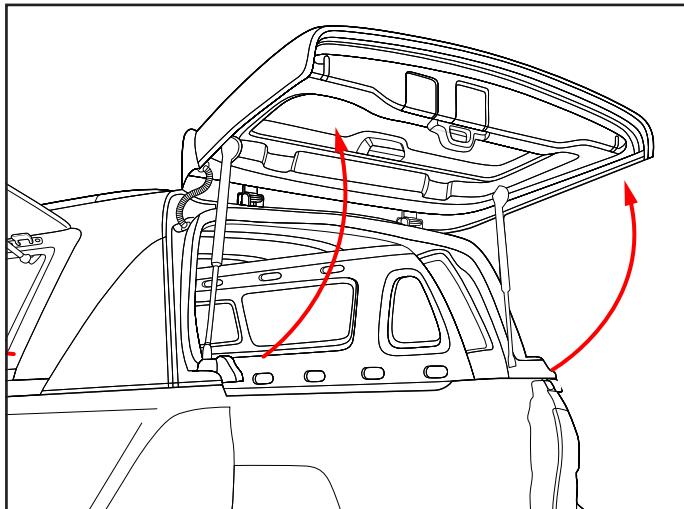
User manual



Backdoor



Push the button to open the back door.



The Picture shows how to open the backdoor.