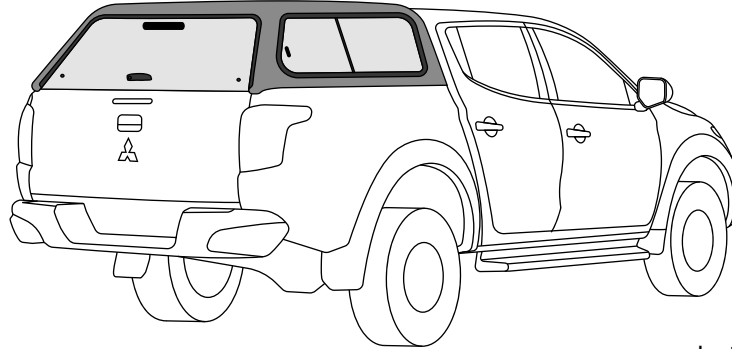


Mitsubishi Triton MQ & MR CANOPY REMOTE LOCKING KIT INSTALLATION INSTRUCTIONS



Installation Time: Approx. 90 min



The canopy interior lamp wiring must be removed from the canopy and the vehicle prior to the remote locking kit installation



Place these instructions in vehicle's glove box after installation is complete

Important



- Please note that the 14-pin T-connector in the vehicle harness LOOM0185 has all pin's connected including the pins that are currently unused in the vehicle. A standard wire size has been used for these pins to accommodate any future usage.
- Recommendation – If fitting this Canopy to a vehicle that has an integrated brake light in the tailgate, it is recommended to disconnect the light in the door. ADR legislation stipulates that only one centre rear brake light be operational.
- Read instructions carefully before installation.
- It is strongly recommended that installation is conducted by an authorized dealer.
- This product must be installed exactly as specified in these instructions. Failure to do so may result in improper fit and/or retention/failure of components.
- Recommend installation by 2 people.

CARE INSTRUCTIONS:



Clean Canopy with a mild detergent and water solution.



Do not use abrasive cleaners or solvents.

PERSONAL PROTECTIVE EQUIPMENT:



Mask



Rubber Gloves



Goggles

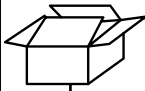


Hearing Protection

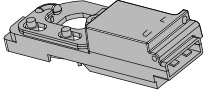
TOOLS REQUIRED:

- Torque Wrench
- Sockets & Driver
- Spanners
- Side Cutters
- Electrical Connector Crimping Tool
- Phillips Head Screwdriver
- Flat Blade Screwdriver
- Rigid Draw Wire (welding wire)
- Wire Hook
- PVC or masking tape

PARTS CHECK SHEET



PARTS IN MAIN CARTON

1


RCL Unit
(LOCK0113)
Qty - 1

2

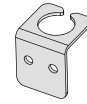

Retainer Clip
Qty - 1

3

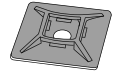

Alcohol Wipe
(MISC0052)
Qty - 2

4


Primer Stick
(MISC1365)
Qty - 2

5


Wiring Clip
(CLIP3242PC-1)
Qty - 1

6


Adhesive Pad
(FAST0485)
Qty - 2

7

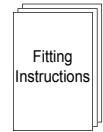

Canopy
Wiring Kit
(LOOM0149)
Qty - 1

8


Cabin
Wiring Kit
(LOOM0185)
Qty - 1

9


Pin Switch
Wiring Kit
(LOOM0138)
Qty - 1



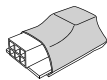
Fitting
Instruction
(FIT-CP0281d)
Qty - 1



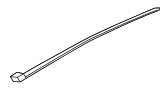
PARTS IN CANOPY WIRING KIT - LOOM0149 (not to scale).

20


Canopy Wiring Harness
(LOOM0149)
Qty - 1

21


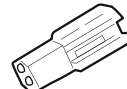
Module
Qty - 1

22


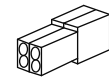
Cable Tie
200mm long
Qty - 8

23


Plastic Tube
900mm long
Qty - 1

24


Connector
Brake Light
Qty - 1

25


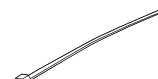
Connector
Int. Lamp
Qty - 1



PARTS IN CABIN WIRING KIT - LOOM0185 (not to scale).

30


Cabin Wiring Harness
(LOOM0185)
Qty - 1

31


Cable Tie
200mm long
Qty - 2

32


Cable Tie
600mm long
Qty - 3



PIN SWITCH WIRING KIT - LOOM0138 (not to scale).

40

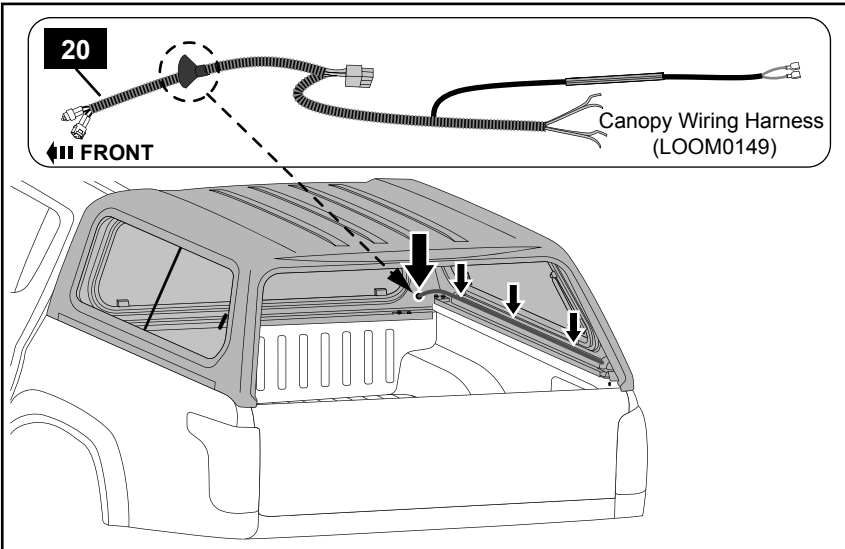



Diagram: 1 - FEED CANOPY HARNESS (LOOM0149)

1. From the inside of the canopy RHS, feed the Canopy Wiring Harness (LOOM0149) into the hole in the front of the canopy till the rubber grommet fit in the hole. Run the harness to the back of the canopy, pushing it behind the alloy base rail as shown.

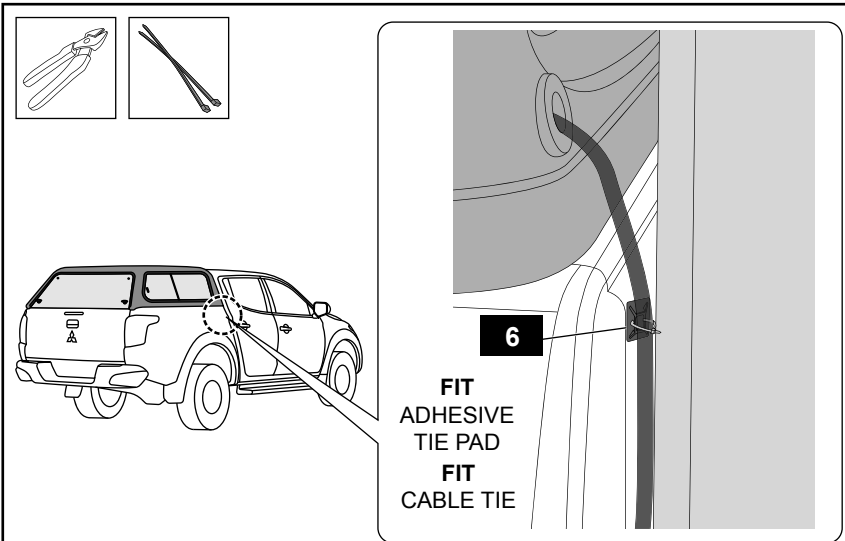


Diagram: 2 - SECURE CANOPY HARNESS

2. Using alcohol wipe provided in the kit, clean the driver's side top corner of the tub as shown.

Wipe away residue with a dry clean cloth. Remove tape liner from adhesive tie pad and position on the tub in area previously cleaned. Apply pressure to ensure maximum adhesion.

Secure the canopy wiring harness one short cable tie as shown.

Trim excess tie with side cutters.

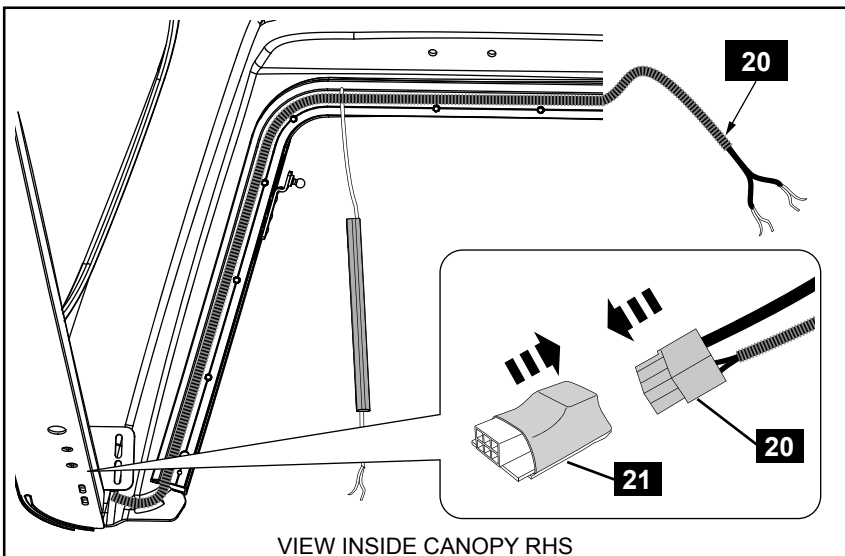


Diagram: 3 - FEED CANOPY HARNESS (LOOM0149)

3. From the inside of the canopy RHS, tuck the Canopy Wiring Harness (LOOM0149) behind the window frame extrusion as shown.

Connect the Module (21) to the LOOM0149 connector (20). Peel the tape liner from the Module and attach it to the base rail.

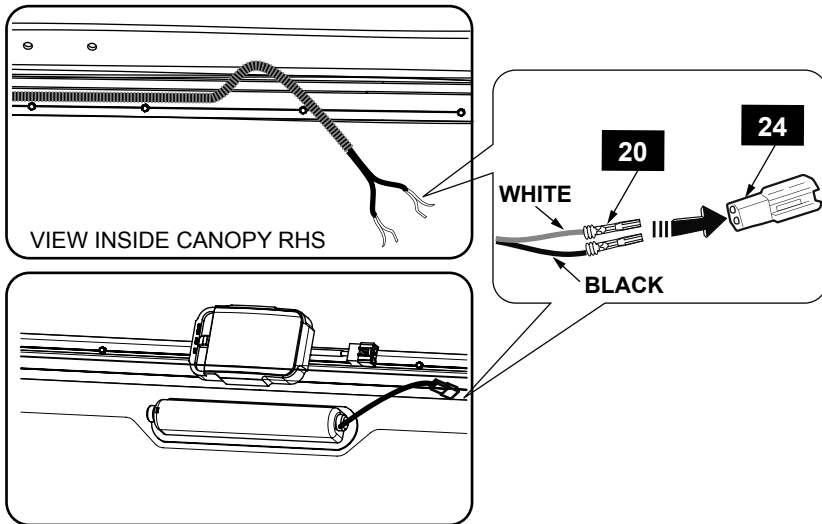


Diagram: 4 - CONNECT THE BRAKE LIGHT CONNECTOR

NOTE: Post Jan 2019 build date – high level CHMSL not present

4. Fit the two wires into the brake light connector (24) and to the brake light. If no brake light fitted, secure wires neatly behind led lamp.

Note the wires colours combination when connecting to the brake light connector:

wiring Information

1	BLACK
2	WHITE

Front view of 2-way connector

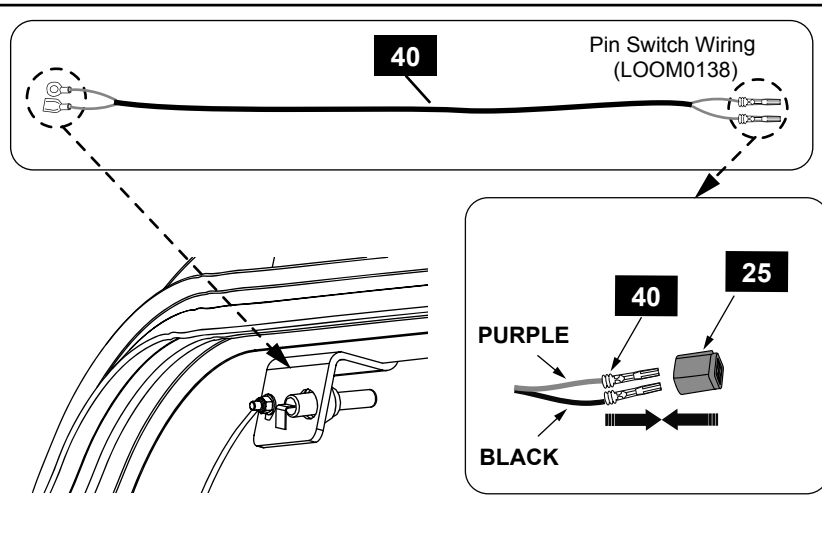
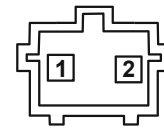


Diagram: 5 - PIN SWITCH WIRING

5. Fit the two wires from LOOM0138 (40) into the lamp connector (25).

LOOM

wiring Information

1	BLACK
2	PURPLE
3	RED
4	WHITE

Front view of 4-way connector

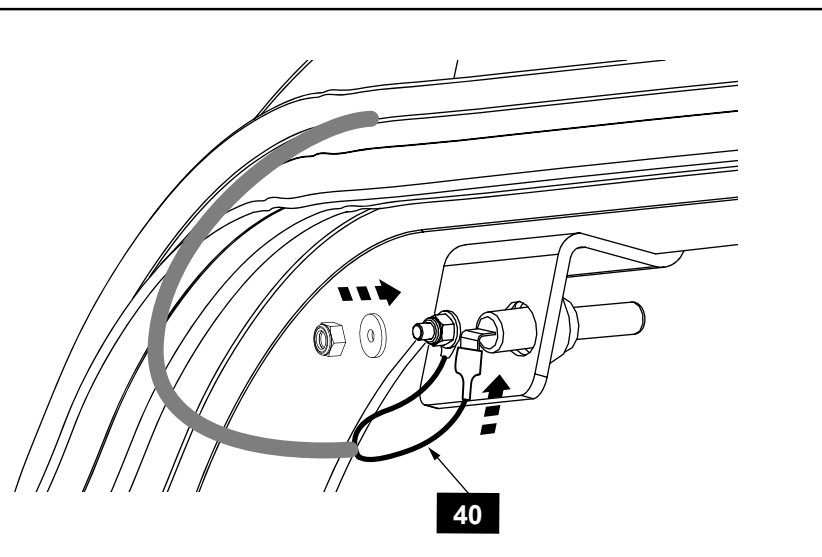
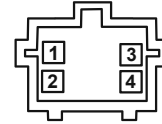


Diagram: 6 - DISCONNECT PIN SWITCH

6. Connect the spade connector to the pin switch and secure the round connector with washer and hex nut.

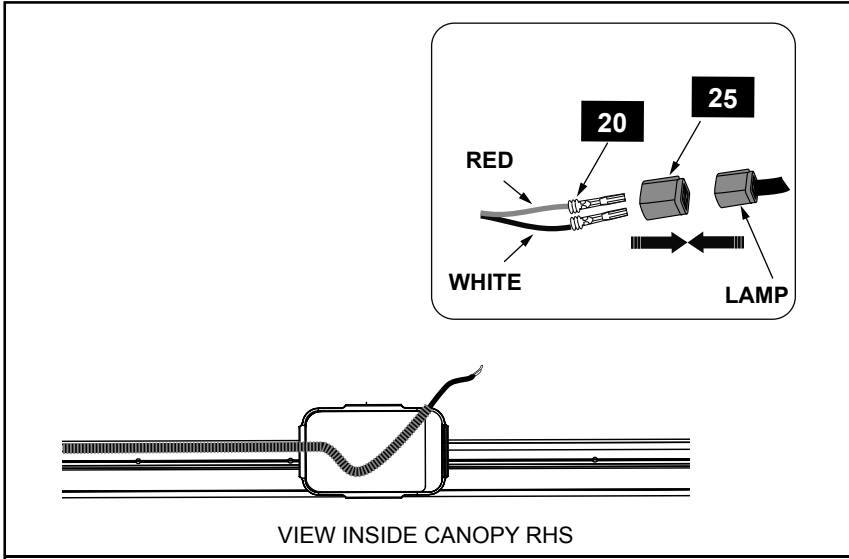


Diagram: 7 - CONNECT THE LAMP CONNECTOR

7. Fit the two wires into the lamp connector (25).

Connect to the lamp and place the connectors behind the interior lamp.

LOOM	
wiring Information	
1	BLACK
2	PURPLE
3	RED
4	WHITE

LAMP	
wiring Information	
1	BLACK
2	BLACK
3	RED
4	BLACK

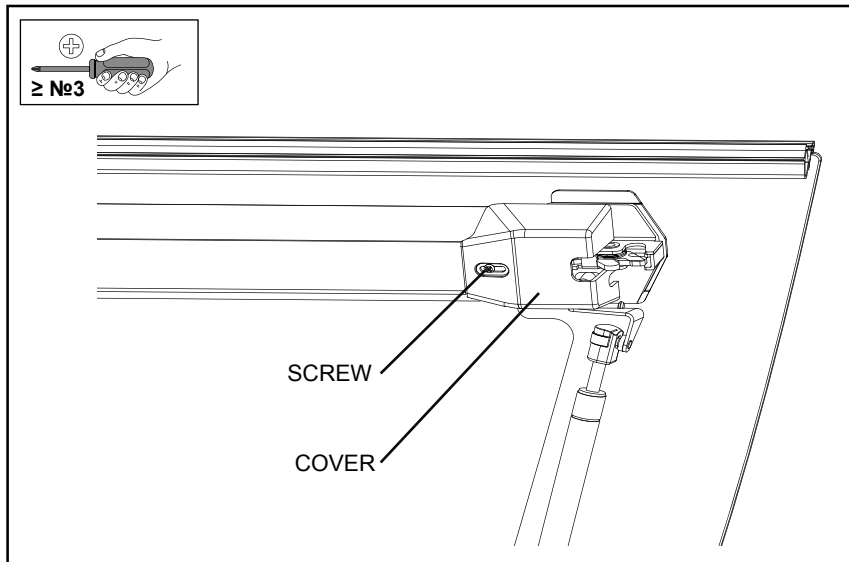
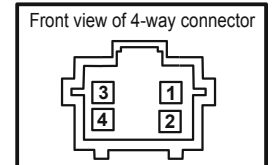
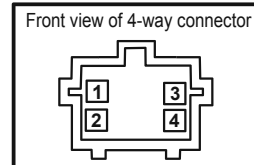


Diagram: 8 - REMOVE RHS LATCH COVER

8. Remove the RHS latch cover by removing the Phillips head screw. Retain all hardware.

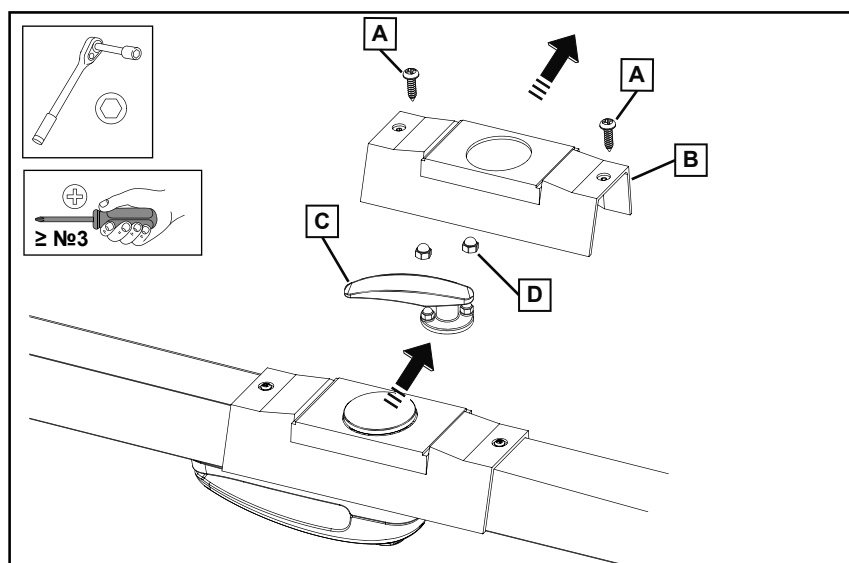
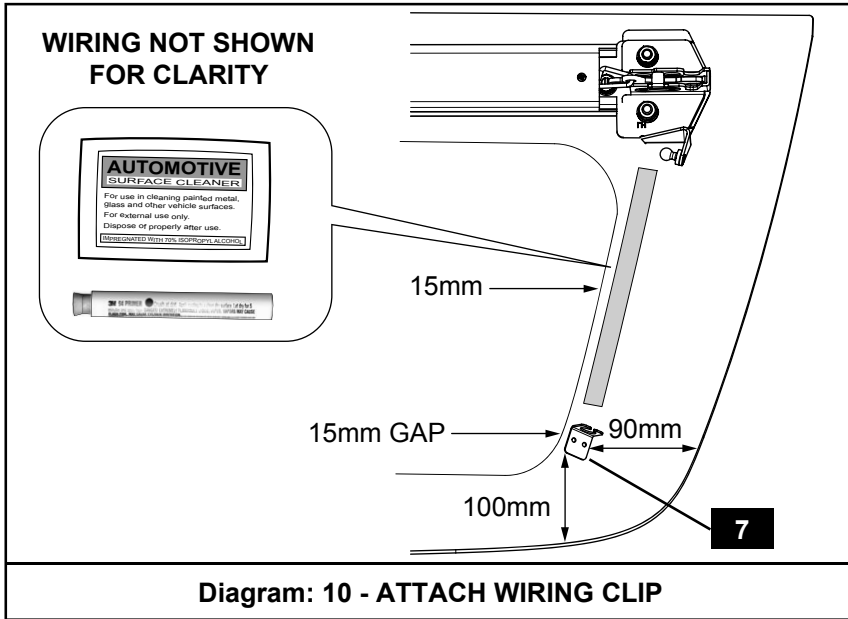


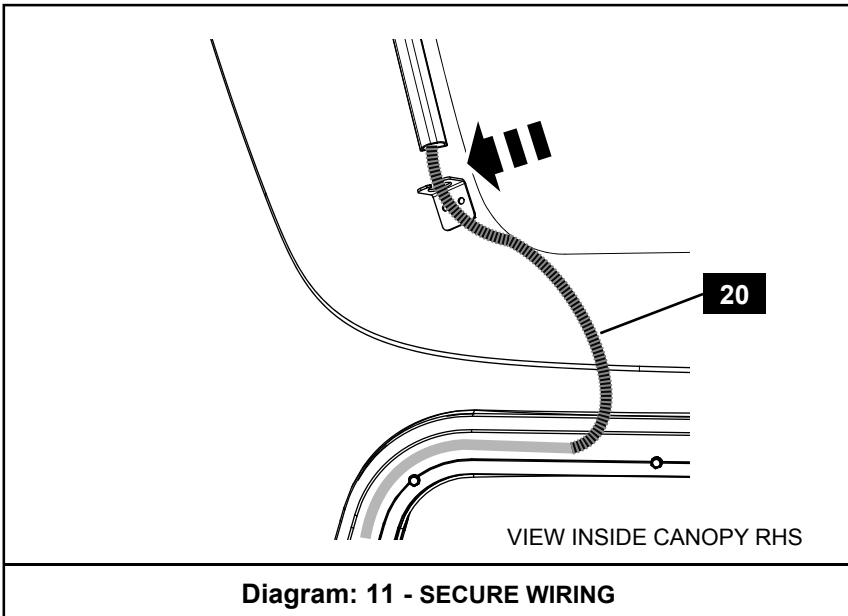
Diagram: 9 - REMOVE LOCK COVER

9. Remove two screws (A) holding the lock cover (B). Remove internal door handle (C) by removing two dome nuts (D). Retain all hardware.

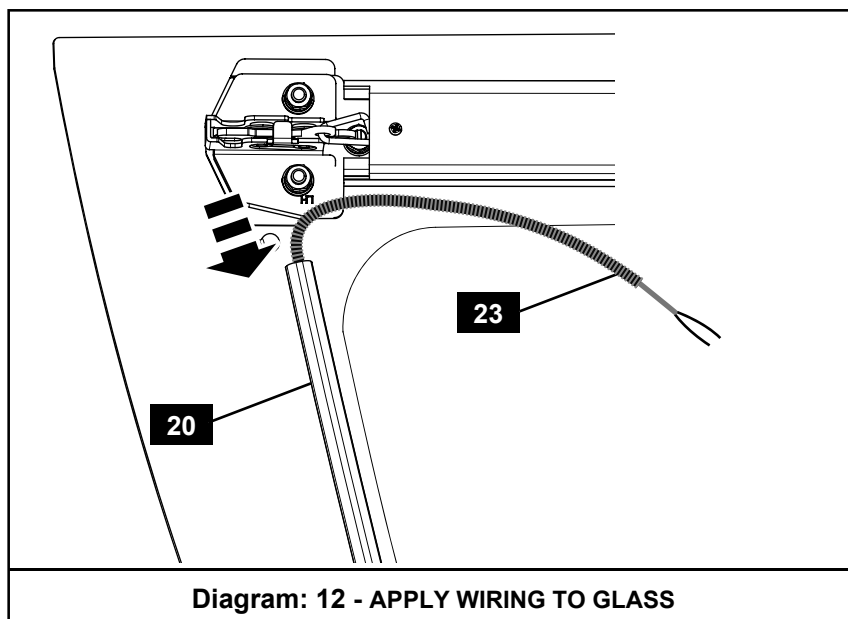


10. On the RHS inside the rear window glass clean the area where rubber tube (3) and wiring clip (7) will be attached, with an alcohol wipe (5) and prime with the primer stick (7). Allow to dry.

Place the wiring clip (7) approximately 10mm from the edge of the blackout on the glass, 100mm from top edge of the glass and 90mm from the side. Peel the liner and press to the glass.

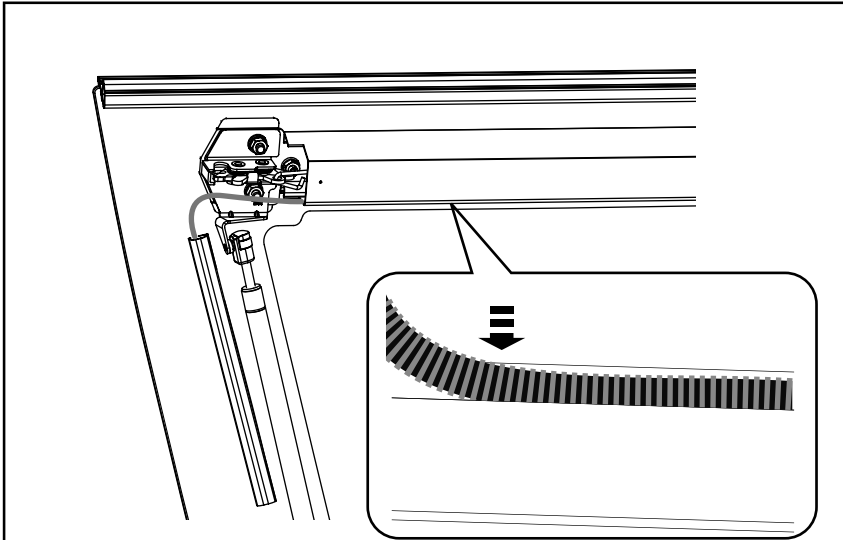


11. Feed the wiring into the clip (7) and push approximately 15mm of the plastic tube into the rubber tube to secure the wiring.

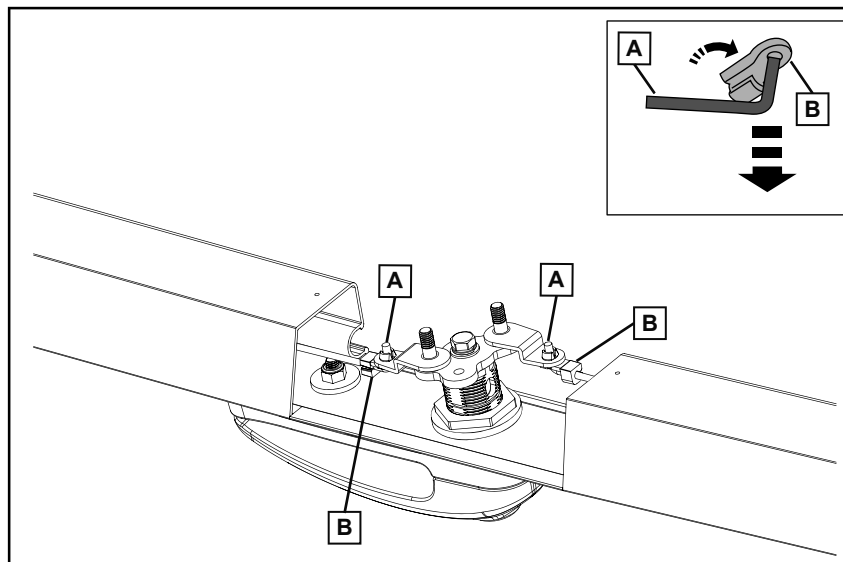


12. Peel the liner from the double sided tape and apply the rubber tube with wiring to the glass as shown.

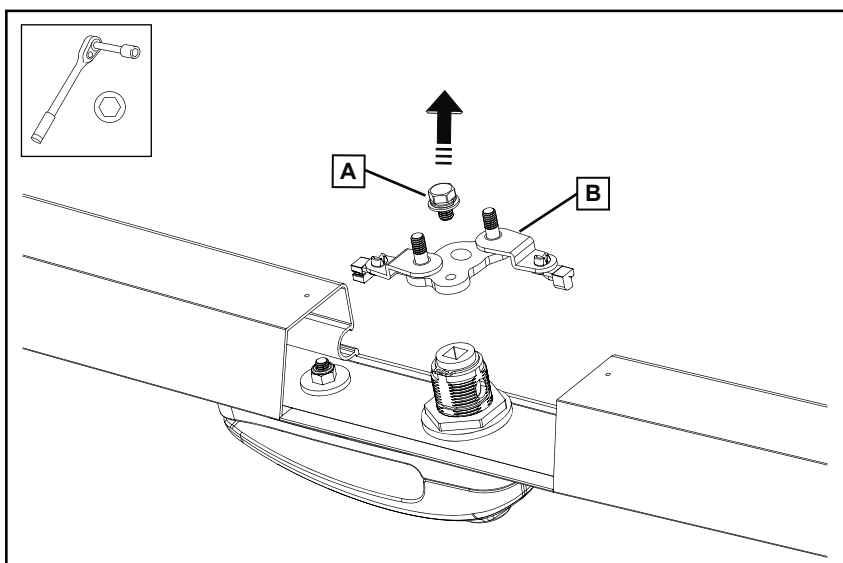
Feed the plastic tube (23) over the wiring (20) as shown. Push 20mm of the tube into the rubber tube on the glass.

**Diagram: 13 - FIT PLASTIC TUBE**

13. Push the plastic tube (23) into the groove in the aluminium extrusion as shown.

**Diagram: 14 - UNCLIP PULL RODS**

14. Unclip both pull rods (A) from the retainer clips (B).

**Diagram: 15 - REMOVE CAM PLATE**

15. Remove the bolt (A) holding the cam plate (B) and retain for re-installation.

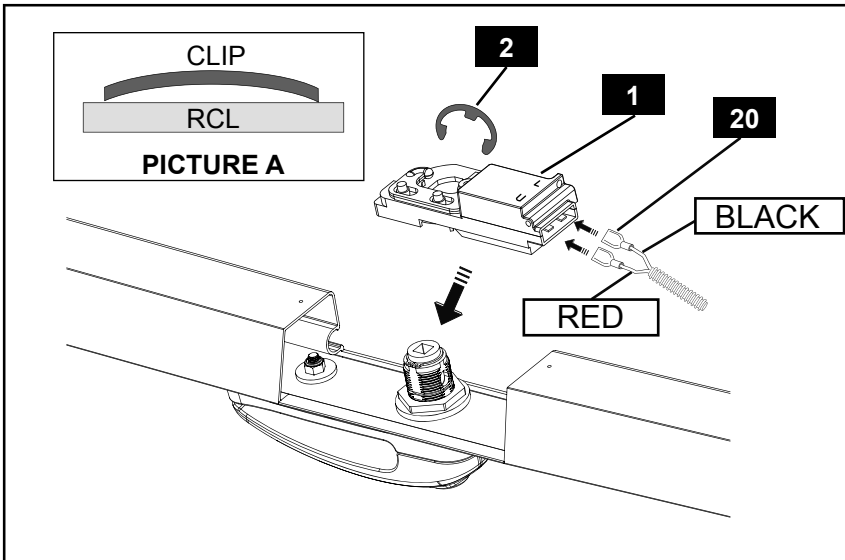


Diagram: 16 - FIT RCL

16. Connect the canopy wiring terminals to the RCL unit (1).

Note that RED wire connects to the terminal marked “U” on the RCL and BLACK wire to the terminal “L”.

Fit the RCL and secure with the metal clip (A) onto the handle.

Note: The metal clip has a bow shape, orient the clip in the bow up position as shown in picture A. You may need a small hammer to tap it into position.

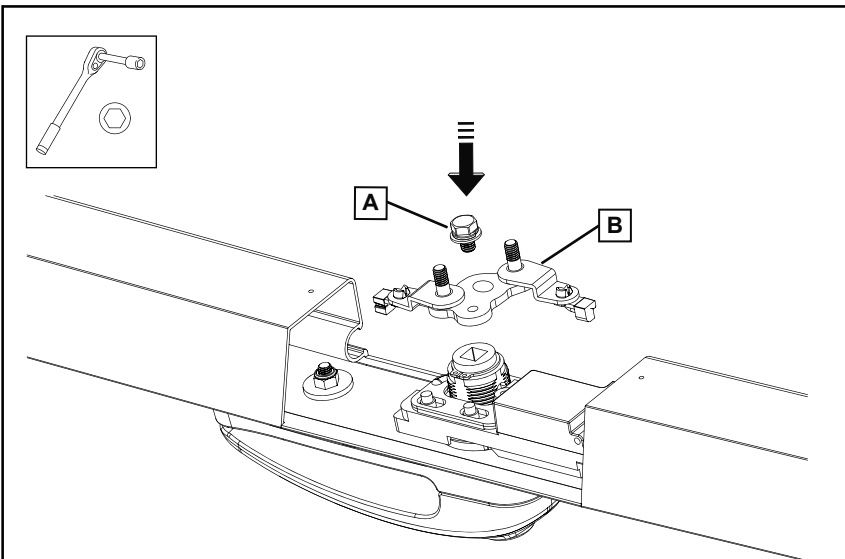


Diagram: 17 - REFIT CAM PLATE

17. Fit the cam plate (A) onto the lock and secure with the cam plate bolt (B). Torque to 7Nm.

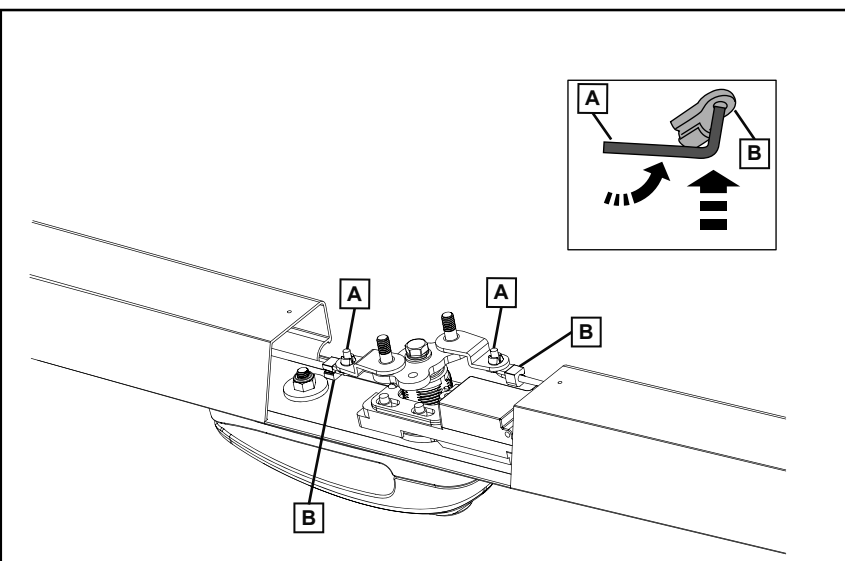
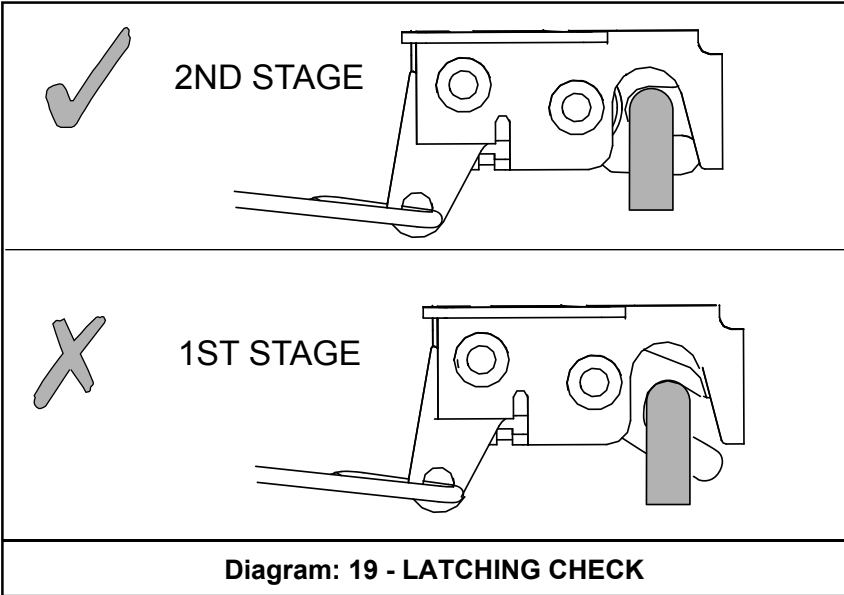
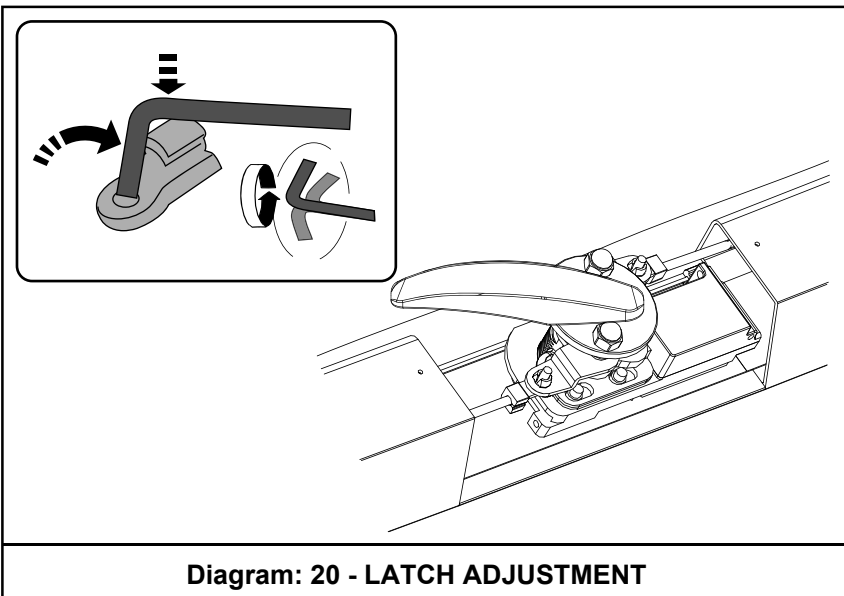


Diagram: 18 - CONNECT PULL RODS

18. Clip both pull rods (A) into the retainer clips (B) as shown.



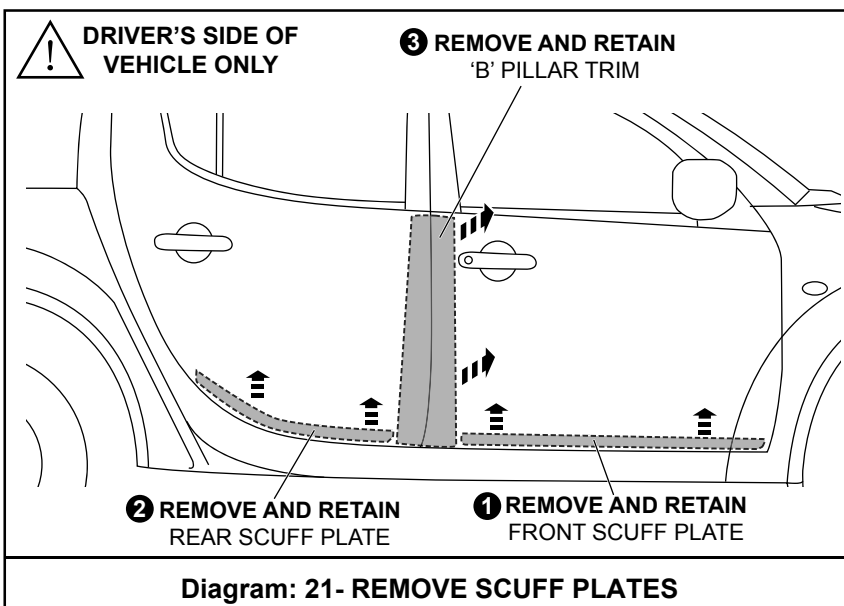
19. Ensure the latch reaches 2nd stage position, as shown and the striker is central inside the latch.



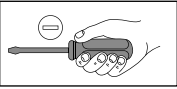
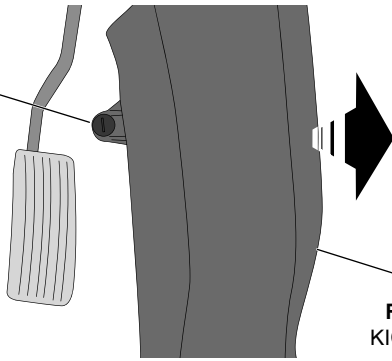
20. Fit the handle to the lock.

Check window handle operation. This can be checked with the door open, manually depress latches and activate handle. Handle should activate latches at 2/3 of handle travel simultaneously for LHS and RHS. If required, adjust pull rods as shown: Spinning clockwise - shorten. Spinning anticlockwise - lengthen.

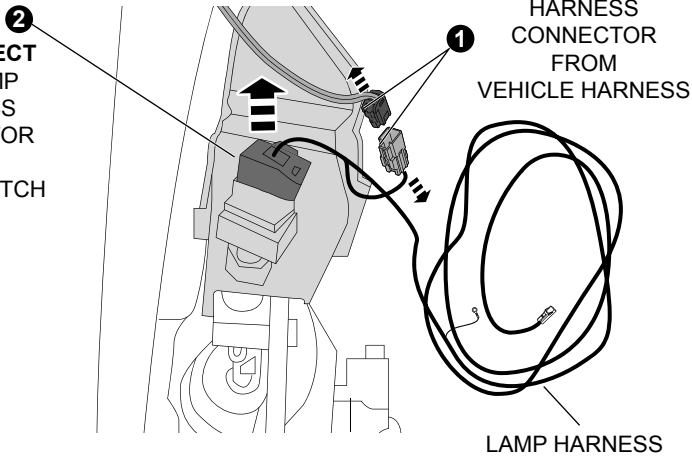
Note: Check the LH & RH latches release ('click') simultaneously. If not adjust the pull rod on one side until the latches release at the same time.



21. Open front and rear driver's side doors. Remove and retain Front and Rear driver's side scuff plates. Remove and retain 'B' Pillar trim.

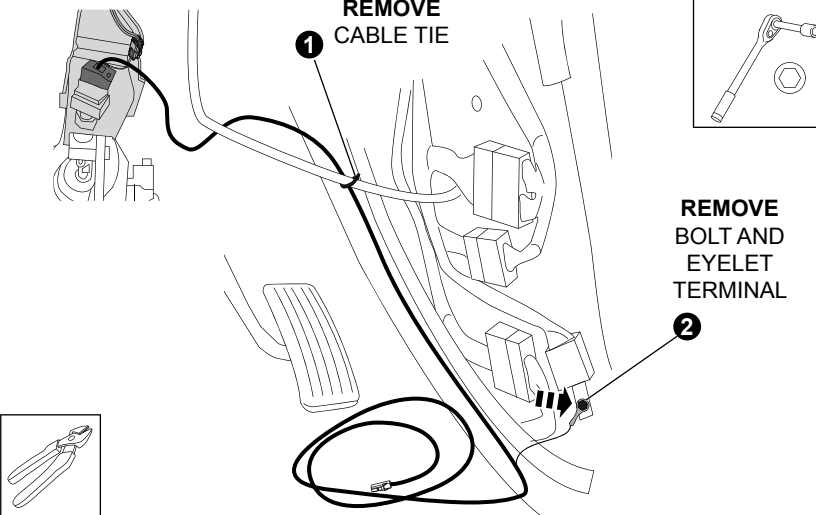
**REMOVE
HARDWARE** ①**REMOVE
KICK PANEL** ②

22. Remove and retain driver's side kick panel and hardware as shown.

Diagram: 22 - REMOVE KICK PANEL**REMOVAL OF EXISTING CANOPY LAMP WIRING FROM THE CABIN STEP 23-25****DISCONNECT
OLD LAMP
HARNESS
CONNECTOR
FROM
PEDAL SWITCH** ②**DISCONNECT
OLD LAMP
HARNESS
CONNECTOR
FROM
VEHICLE HARNESS** ①

LAMP HARNESS

23. Disconnect old canopy lamp harness from the pedal switch and vehicle harness as shown.

Diagram: 23 - DISCONNECT LAMP HARNESS**REMOVAL OF EXISTING CANOPY LAMP WIRING FROM THE CABIN STEP 23-25****REMOVE
CABLE TIE** ①**REMOVE
BOLT AND
EYELET
TERMINAL** ②

24. Remove the bolt holding the eyelet terminal and remove the old canopy lamp wiring. Refit the bolt.

Diagram: 24 - CONNECT VEHICLE HARNESS

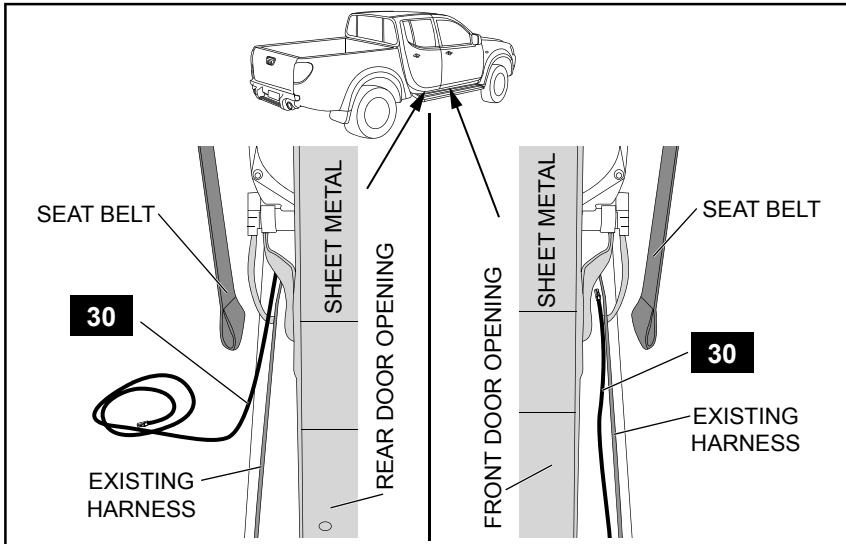


Diagram: 25 - ROUTING LOOM0185

Note: Remove the old canopy lamp wiring while routing the LOOM0185.

25. Route vehicle harness from the front door scuff plate to the rear door scuff plate, ensuring the harness sits between the 'B' pillar sheetmetal and the seat belt as shown.

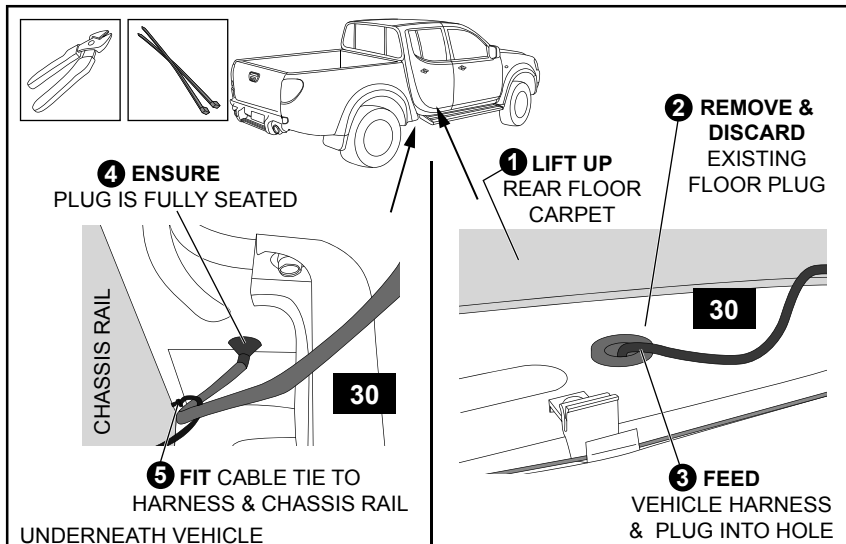


Diagram: 26 - ROUTING LOOM0185

Note: Remove the old canopy lamp wiring while routing the LOOM0185.

26. Lift up drivers side rear floor carpet. Remove and discard the existing plug in the floor. Feed the vehicle harness down through the floor and fit the vehicle harness plug into the sheetmetal. **Important: Check under the vehicle that plug is correctly located into the sheetmetal and fully seated to prevent water entering the vehicle.** Attach one (1) long cable tie to secure the vehicle harness to the top of the chassis rail as shown. Trim excess tie with side cutters.

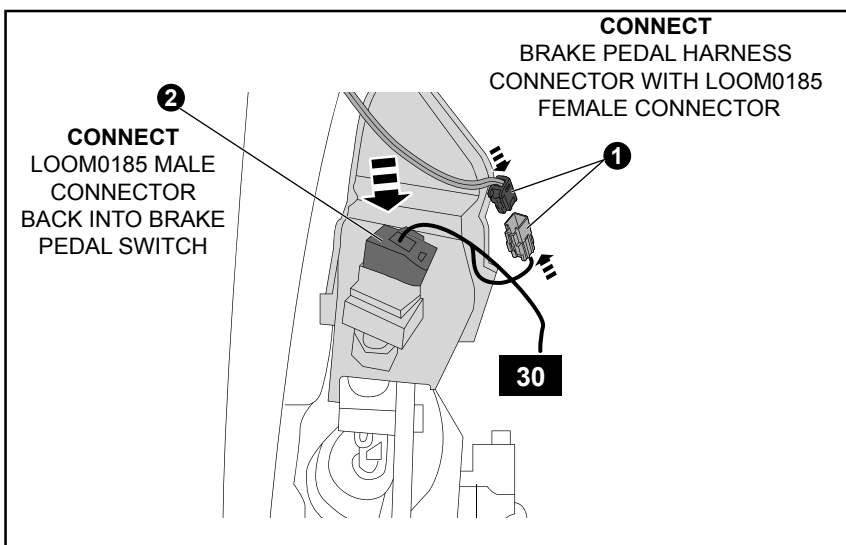
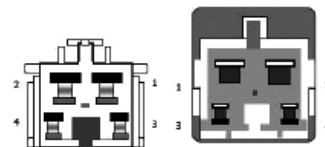


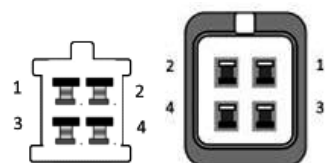
Diagram: 27 - CONNECT LOOM0185 TO THE BRAKE

27. Connect the female LOOM0185 connector to the brake pedal switch male connector as shown. Connect the male connector from LOOM0185 into the brake pedal switch as shown.

For **MQ Variant**, use large 4 pin connectors.



For **MR Variant**, use smaller 4 pin connectors.



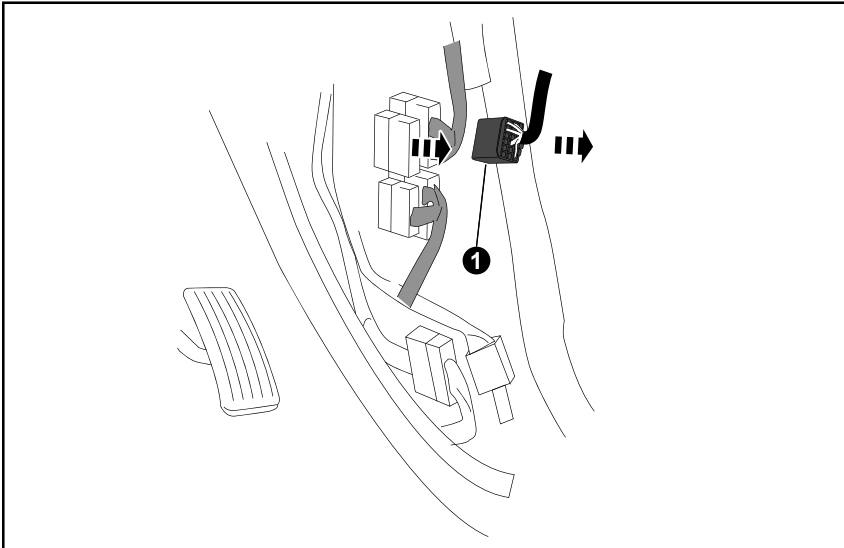


Diagram: 28 - CONNECT LOOM0185

28. Unplug the male connector from the female connector on the RHS as shown.

Connect the LOOM0185 into the disconnected male and female plugs as shown.

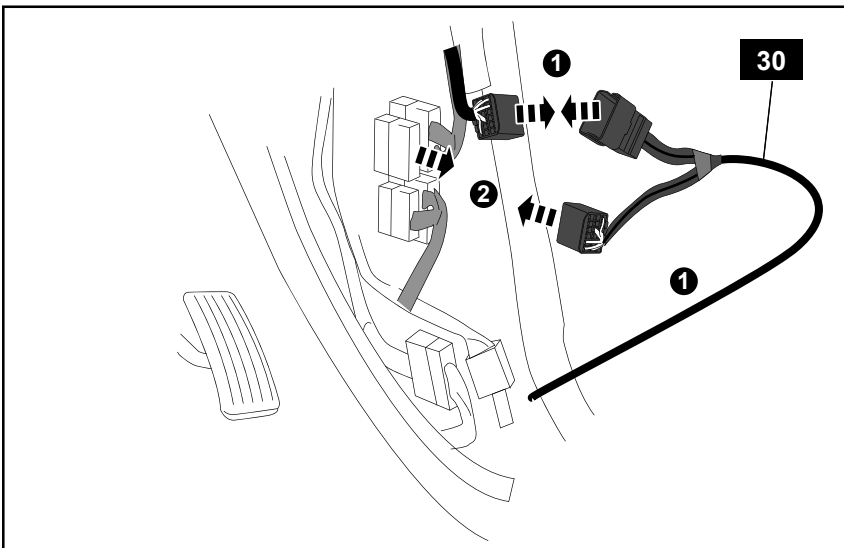


Diagram: 29 - CONNECT LOOM0185

29. Connect the female LOOM0185 connector to the male connector (1) as shown.

Connect the male connector from LOOM0185 into the female plug (2) as shown.

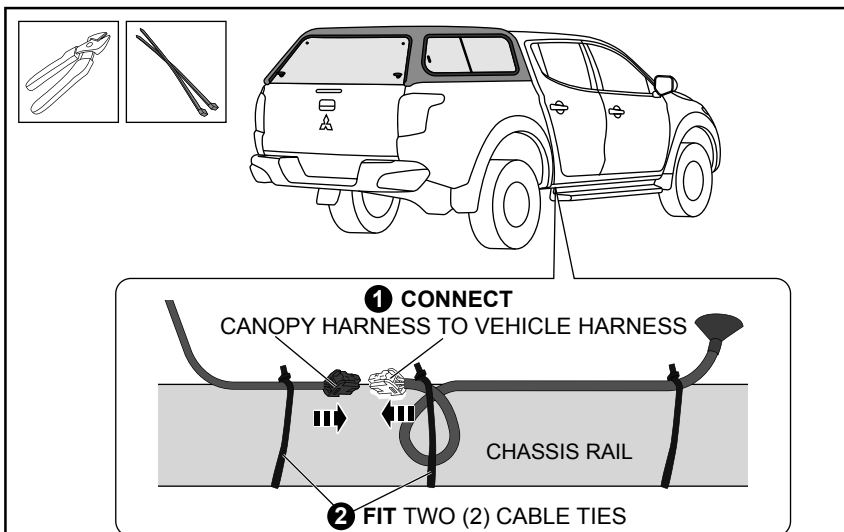
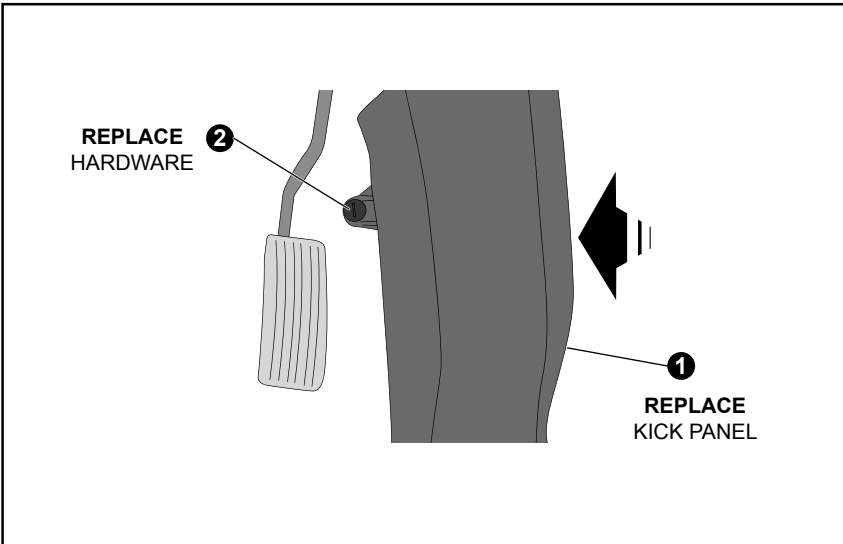


Diagram: 30 - CONNECT VEHICLE & CANOPY HARNESSES

30. Feed the canopy harness along the chassis rail. If there is excess length on the vehicle harness, loop the harness near the connector as shown and secure it to the chassis rail with one (1) long cable tie.

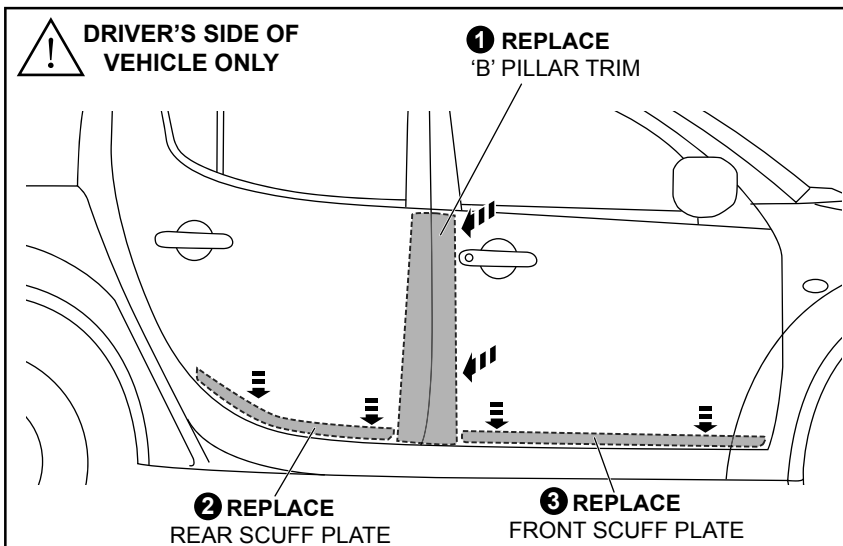
Connect the canopy harness connector to the vehicle harness connector as shown. Attach one (1) long cable tie to the canopy harness near the connector, to secure it to the chassis rail as shown. Trim excess ties with side cutters.

IMPORTANT: Wiring harnesses should be positioned away from the exhaust system side. Preferably place it on the top side of the chassis rail and must be secured minimum every 500mm with cable ties.



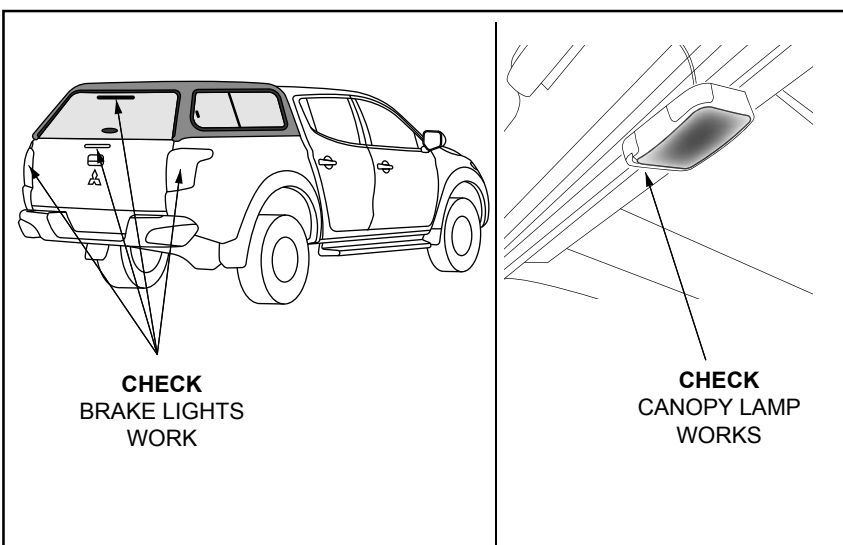
31. Replace driver's side kick panel and hardware as shown.

Diagram: 31 - REPLACE VEHICLE PARTS



32. Replace driver's side 'B' Pillar trim. Replace Front and Rear driver's side scuff plates.

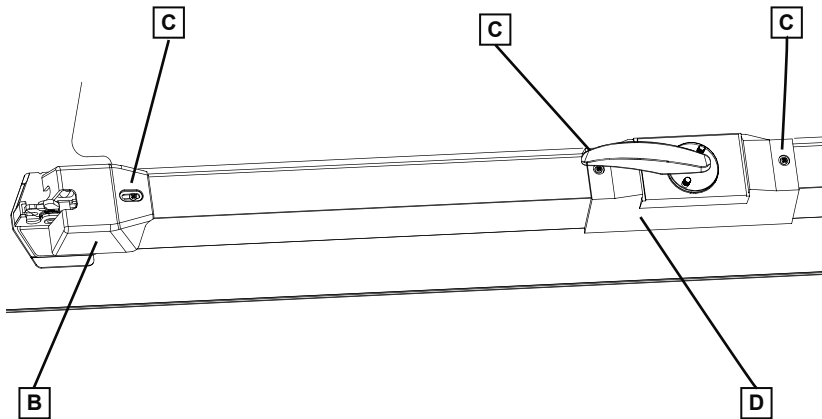
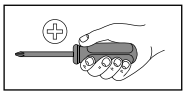
Diagram: 32 - REPLACE VEHICLE PARTS



33. Two people are required to check the canopy brake light is operational after depressing the brake pedal. Then open the rear window and check that the internal canopy lamp is operating correctly when switched to the 'ON' position only.

Note: some canopy variants are used without brake light assembly.

Diagram: 33 - CHECK BRAKE LIGHTS AND CANOPY LIGHT

**Diagram: 34 - REFIT COVERS**

34. Check the functioning of the actuator when lock and unlocked is pressed on the car key. If functioning is opposite then swap RCL wires around.

Refit the latch covers (B) and secure with one Phillips head screws (C).

Refit the lock cover (D) and secure with two Phillips head screw (C).