



FITTING INSTRUCTIONS

DUAL CAB CENTRAL LOCKING CANOPY

Ascent Canopy AC18C – Mitsubishi Triton 2024+ Ascent Canopy AC25C – Nissan Navara 2026+



FITTING KIT: 6178342 & FRONT HEADER RAIL: 664255

! PLEASE PROVIDE A COPY OF THESE INSTRUCTIONS TO THE CUSTOMER!

IMPORTANT:

- Vehicle bodies and vehicle specific installation can vary. Please read the following instructions as they refer to important information which could affect the quality of the final installation.
- It is advisable to have the canopy fitted by an authorised dealer.
- Most of the installation can be completed by one person (**however 4 people will be required to lift the canopy onto the vehicle**).



FITMENT:

- For OE under rail bed liners no trimming is necessary prior to canopy fitment.
- Cabin Guards (GLX), Sports bars, Sailplanes (GSR) and any roll top tonneau covers **must** be removed prior to canopy fitment. These components can be returned to the customer if required.

CARE OF YOUR CANOPY:

Please refer to the “owner’s manual supplement” to be given to the purchaser on installation, as per the details referred to in the second last page of these fitting instructions.

HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT:

<ul style="list-style-type: none"> • Protective eyewear 		<ul style="list-style-type: none"> • Hearing protection 	
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NOTE: 'WARNING' notes in the fitting procedure relate to OH&S situations. To avoid a potentially hazardous situation it is suggested that protective safety gear be worn or a safe work procedure be employed. If these notes and warnings are not heeded, injury may result.

TOOL LIST FOR FITMENT:

<ul style="list-style-type: none"> • Torque Wrench 0-25Nm • Sockets ¼", 8,10 & 13mm, socket extension bar and driver • Spanners, ratchet type, 8, 10 and 13mm. • T30 and T40 Torx Driver • Tape measure • 150mm ruler • Knife • Sharp scissors • Flat file • Angle grinder • Die grinder • Metal primer touch up paint • Engineer's scribe • Sheet metal vice grip clamp • Quicklock G clamp 	<ul style="list-style-type: none"> • Wax and grease remover • Silicon Caulking Gun • Neutral cure Non-Acetic Silicon • Phillips head screwdrivers • Flat blade screwdrivers • Side Cutters • Wire stripping tool • Electrical crimping tool • Non-permanent marker • Electrical tape • Masking tape • Cleaning cloths / rags • Jig saw / hacksaw for bedliners. • Squeegee
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FITTING THE CANOPY IS UNDERTAKEN THE FOLLOWING STAGES:

1. Removing any sports bars, cabin guards, sail planes and roll top tonneau covers.
2. Sealing the front corners of the tub, front header rail and canopy mounting bracket installation.
3. Fitting canopy wiring.
4. Fitting the canopy to the vehicle
5. Operational checks and adjustment options for doors and windows.
6. Recording of key code and owner's manual supplement.
7. Check list and sign off.

!! IMPORTANT !! other than specifically specified in this instruction

REQUIRED SCREW TORQUES: M6=9Nm M8=20Nm Clamps bolts to tub=10Nm


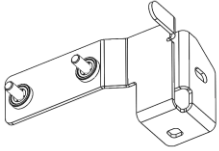
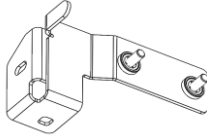
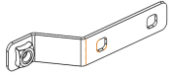

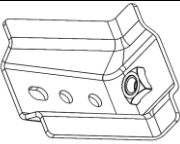
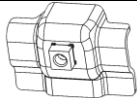






SCREW TORQUES: These must be adhered to avoid warranty issues and should be checked at vehicle service intervals.

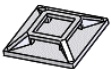

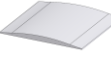

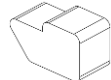










THE FITTING KIT CONTAINS:

Packed under the canopy

664255 Front headboard rail bracket assembly.

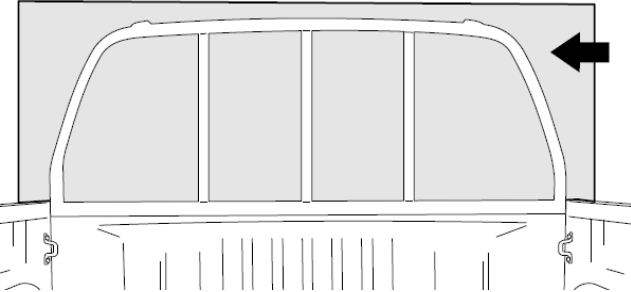
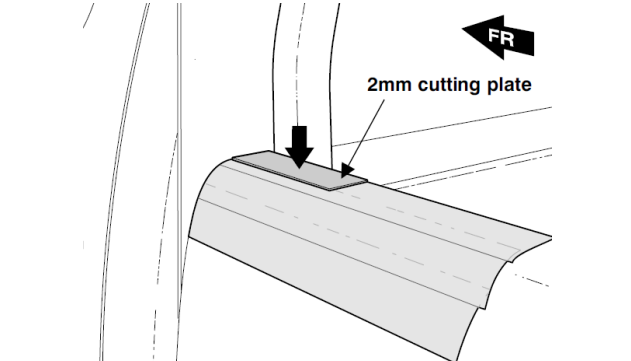
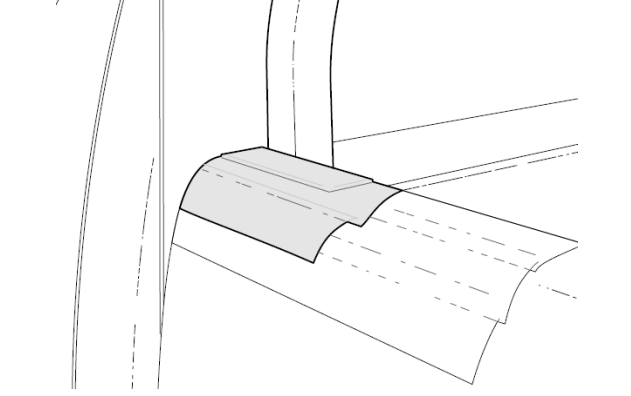
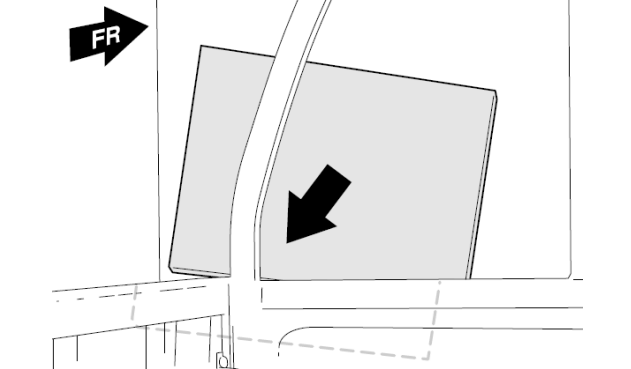
6178342 contains the main hardware for mounting the canopy and the components for the front corners of the tub when fitting to a vehicle with an OE roll top and sailplane 669AQ042R/L brackets, 6152278 M8 bolts and 4581085 M8 flat washers

Kit No	Part No	Picture	Qty	Description
1). FRONT HEAD BOARD RAIL	664255		1	BRACKET- FRONT HEAD RAIL ASSEMBLY
2). 6178342 MAIN CANOPY HARDWARE KIT	667AQ002R		1	BRACKET- ASSEMBLY- RIGHT HAND - FRONT TUB CORNER MOUNT
	667AQ002L		1	BRACKET- ASSEMBLY- LEFT HAND - FRONT TUB CORNER MOUNT
	669AQ040		2	BRACKET- FRONT HEADER RAIL SUPPORT
	669AQ041		2	NUT PLATE - FRONT HEADRAIL
	667AQ003		4	BRACKET- CLAMP TUB LIP OUTER
	667AQ004		4	BRACKET- CLAMP TUB LIP INNER
	6602018		3	ALCOHOL WIPES
	665044		1	PRIMER STICK
	668PJ034		1	ELECTRICAL LOOM VEHICLE CANOPY PATCH HARNESS
	668PB015		2	FOAM ANTI RATTLE 30mmx150mm STRIPS
	668PJ015		1	ELECTRICAL RELAY BOX
	180302		12	CABLE TIES 200mm LONG

	6821293		1	CABLE TIE BASE
	3199779		2	GRINDING PLATE (DISPOSABLE)
	668PM005		1 PAIR	FRONT TUB CORNER SEAL BRIDGE
	665076		1	BUMPON STRIP OF 5 PIECES
	669PB005		1 PAIR	DIE CUT - PAIR- FOAM FRONT TUB CORNER SEALING BLOCKS
	668PB006		2 PAIR	DIE CUT BLACK STICKERS
	669PB004		4	CLEAR DIE CUT PROTECTION FILM 80X64MM
	6151625		8	M8 x 1.25 x 25 TORX PAN HEAD SCREW – BLACK (T40)
	4581085		8	M8 x 19 OD x 1.2mm FLAT WASHER BLACK
	4581303		14	M8 x 25.4 OD x 3 WASHER -- BLACK
	6151212		2	M8 x 1.25 BLACK NYLOC NUT
	6152278		8	M8 x 16 HEX HEAD SCREW
	6152266		4	M8 x 1.25 x 45 TORX PAN HEAD SCREW – BLACK (T40)
	665037		1	ROLL- CLEAR TAILGATE PROTECTION TAPE 30mm WIDE
BRACKETS FOR VEHICLES WITH OE ROLL TOP AND SAILPLANE	669AQ042R/L		1 LH & 1 RH	Additional Brackets for vehicles with an OE Roll top tonneau cover and sailplane.

SECTION 1: PREPARING THE VEHICLE TUB – REMOVAL OF CABIN GUARDS, SPORTS BARS, SALIPLANES AND ROLL TOP TONNEAU COVERS.

- 1.1) Remove any sports bars, cabin guards, sailplanes or roll top tonneaus fitted and return any items to the customer if requested to do so.
- 1.2) **Bed liners DO NOT require removal based on OEM under rail supplied products.**

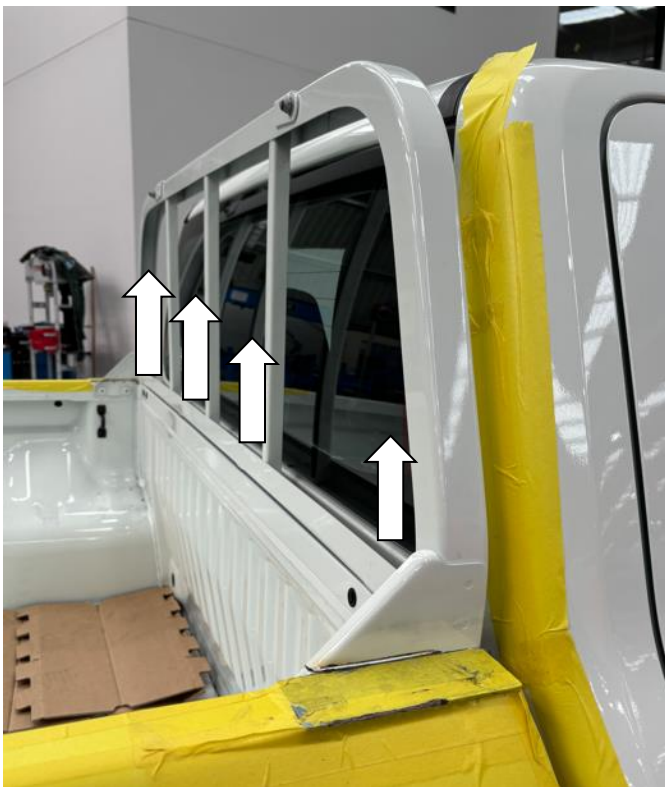
	<ul style="list-style-type: none"> 1.3) If your vehicle is fitted with a cabin guard frame it must be removed. 1.4) Slide a sheet of cardboard of similar between the cab and Ute body.
	<ul style="list-style-type: none"> 1.5) Apply 200mm lengths of overlapping masking tape to the top and side of the tray, up to the cabin guard main support leg on both sides of the tub. 1.6) Position the steel protective grinding plates (3199779) (2mm thick) next to the cabin guard main support leg on both sides of the tub.
	<ul style="list-style-type: none"> 1.7) Secure the protective steel grinding plate to the tray body by covering it completely with masking tape as shown.
	<ul style="list-style-type: none"> 1.8) Insert a suitable protective wooden board of adequate thickness between the cardboard and the cabin guard main brace as shown.



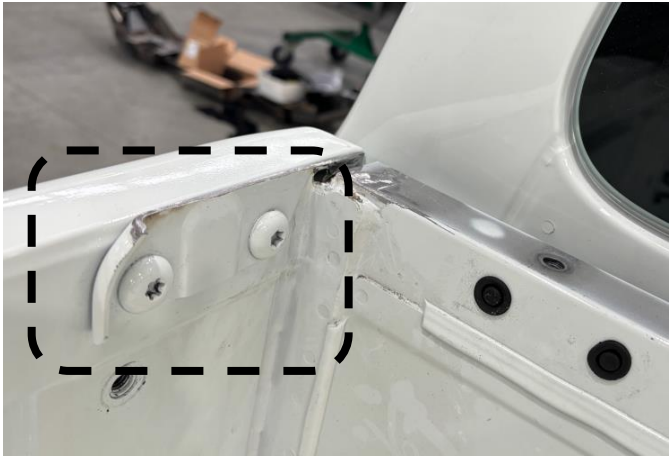
- 1.9) Using a medium sized angle grinder, partially cut through the rear and side faces of the cabin guard main support legs and gusset support bracket on both sides of the vehicle



- 1.10) Using a die grinder, cut through the portion of the cabin guard closest to the back of the cabin on both sides of the vehicle.



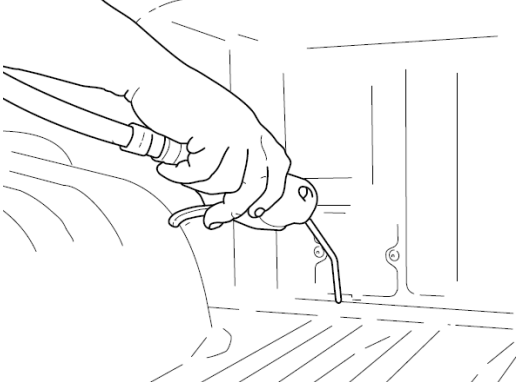
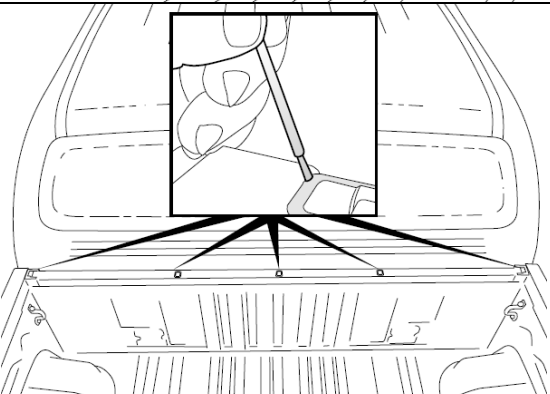
- 1.11) Unbolt in 4 places and remove the cabin guard from the vehicle




1.12) This will leave the lower gusset brackets from the cabin guard still attached to the side of the tub. These are to remain in place on the tub. Grind the remaining areas of the cabin guard flush with the top of the tub side and the with the front head board top face of the tub

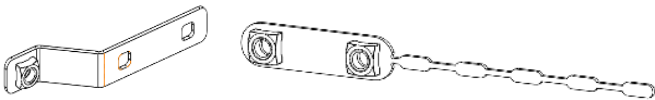
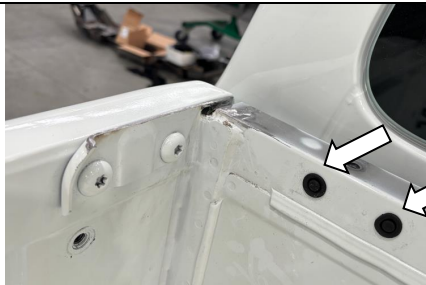


1.13) Finish these areas on both sides with a flat file.

	<p>1.14) Using compressed air, completely blow out any metal filings / swarf in the tray floor.</p>
	<p>1.15) After removal, touch up the bare metal with primer,</p>

SECTION 2: SEALING THE FRONT CORNERS OF THE TUB, FRONT HEADER RAIL AND CANOPY MOUNTING BRACKET INSTALLATION.

	<p>2.0) Take one from the pair of (669PB005) foam front tub corner sealing blocks. With the angled face facing forward push this up into the front corner of the tub under the inner rail lip of the tub. Seat it on the sheet metal edges of the hole. Repeat this for the other side of the tub.</p>
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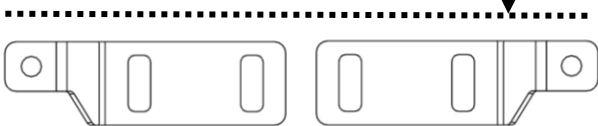
2.1) At the front corner of the tub remove the rubber grommets in the corners and discard them.

!! IMPORTANT !!

If fitting to a vehicle that has had the OE Roll top tonneau cover and sailplane removed, weld nuts will be present in this location. Use the 669AQ042R/L brackets with M8 x 16mm hex head screws (6152278) and flat washers (4581085). Loosely bolt up the header rail support brackets through the slots into the weld nuts in the tub in the following steps.

If weld nuts are present in the tub corners, 669AQ040 bracket & 669AQ041 nut plate are not used in fitting

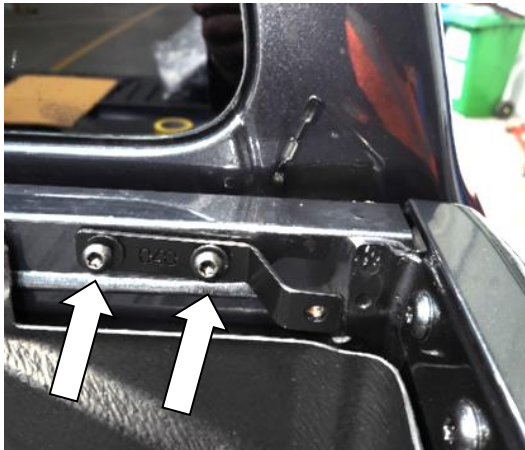
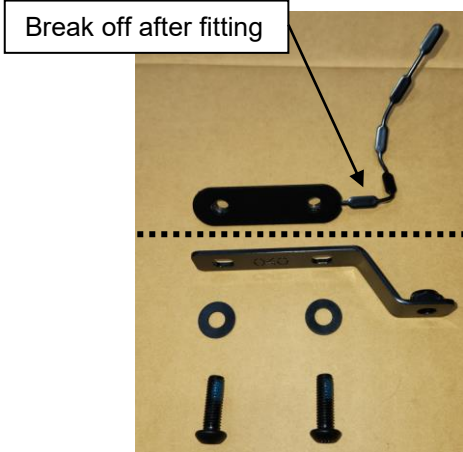
Straight edge parallel with the top of the tub



For vehicles where the roll top tonneau and sailplane have been removed, align the (669AQ042R/L) bracket slots to the holes on the front inner headboard face of the front tub corners, with the upper edges of the bracket straight and parallel with the top of the tub. Loosely assemble with M8 x 16mm hex head screws (6152278) and flat washers (4581085).



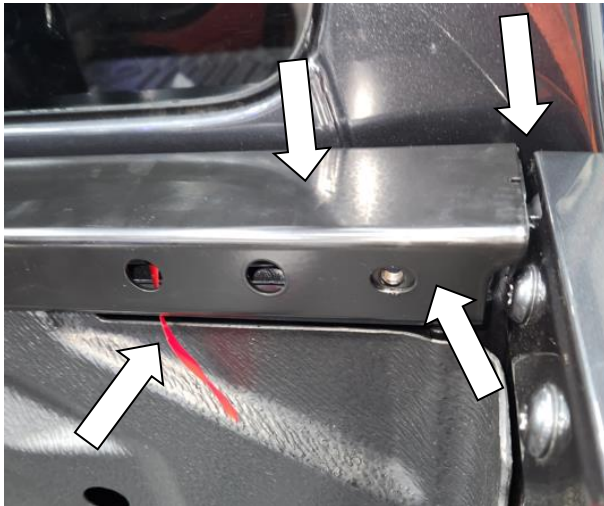
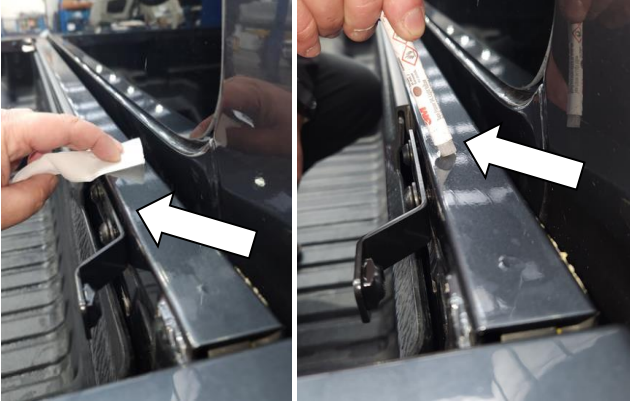
2.2) If **NOT** fitting to a vehicle that has had the **OE roll top and sailplane removed**, fit between the cabin and the tub place in nut plate (669AQ041) to align to the holes where the rubber grommets were removed. The end of the nut plate may be bent to a shape to provide access for fitment. Place masking tape on the back of the cabin before it is inserted to prevent scratching the cabin's paint work.



2.3) Loosely bolt up the header rail support bracket (669AQ040) using two M8 x 19 OD x 1.2mm thick flat washers (4581085) and two M8 x 25 Torx button head screws (6151625) through into the nut plate (669AQ041) on the other side of the tub. Tighten, but allow brackets to still be slightly loose in position. The picture shows the arrangement for the right-hand front corner of the tub.

Once assembled, brake off the bend tag from the nut plate by bending it several times until it breaks off.

2.4) Clean the front headboard top face of the tub using an alcohol wipe (6602018). Prime the top face of front headboard on the tub using the primer stick (665044). Remove 100mm of the red double-sided tape liner on the back of the front header rail assembly (664255) at each end.

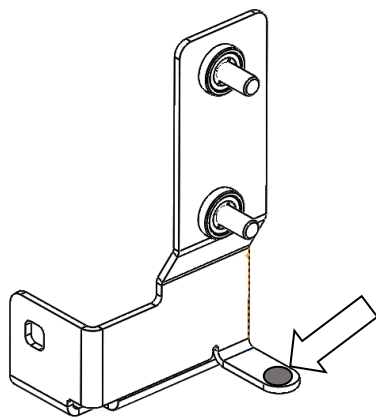
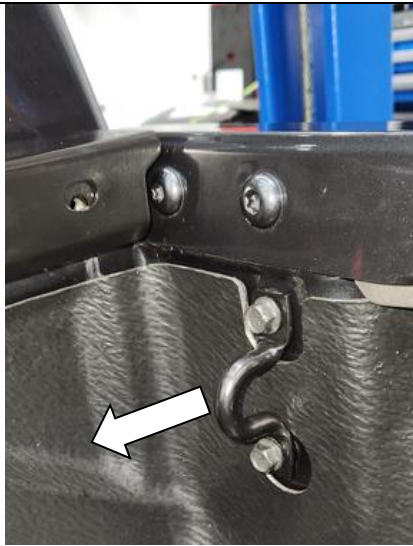


2.5) Place the front headboard rail assembly (664255) down onto the front headboard face centrally between each inner side of the tub ensuring also the inner vertical face of the bracket engages the header rail support brackets (668AQ040) at each end. Ensure the red tape liner is hanging down inside the tub at the ends.

Apply firm pressure on the header rail assembly down onto the tub at each end to adhere the tape.

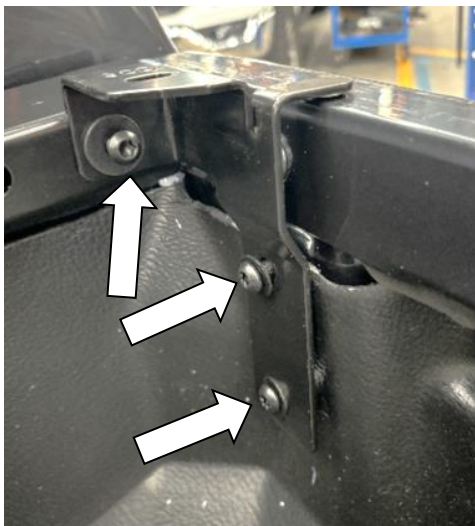
Then pull out the remaining red liner and apply pressure along the length of the headed rail to adhere the tape.

2.6) Remove the front tie down hooks in the front corners of the tub on both sides and give them to the customer with the bolts, or dispose of them.



2.7) Fit a bumpon (665076) to the underside of the tag on a front corner mount bracket (667AQ002R shown).

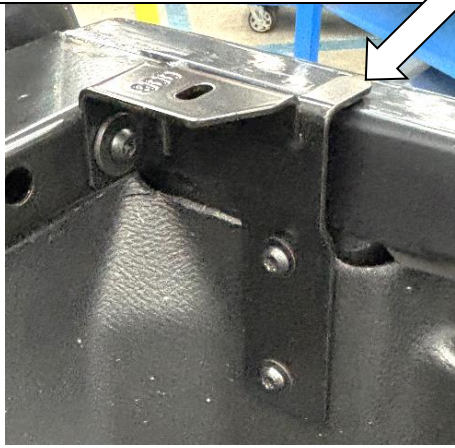
Repeat for the opposite bracket hand.



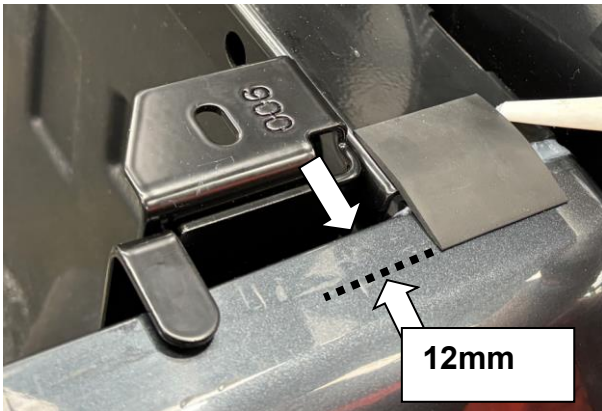
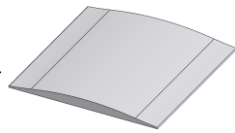
2.8) Loosely assemble the lower end of the front corner mount bracket (667AQ002R) to the holes from which the front tie down hook was removed. At the top front corner, assemble through the front corner mount bracket an M8 x 25 Torx button head screw (6151625) with a M8 x 25.4 OD x 3mm flat washer (4581303) through the header rail assembly into the nut plate.

Tighten the M8 Torx bolt loosely in between the front corner mount bracket and the front header rail assembly into the nut plate, while keeping the front corner mount bracket rear leg with bumpon on it, engaged down onto the top face of the side of the tub.

Repeat on the opposite side of the tub using bracket 667AQ002L.



This side to outside of tub sides

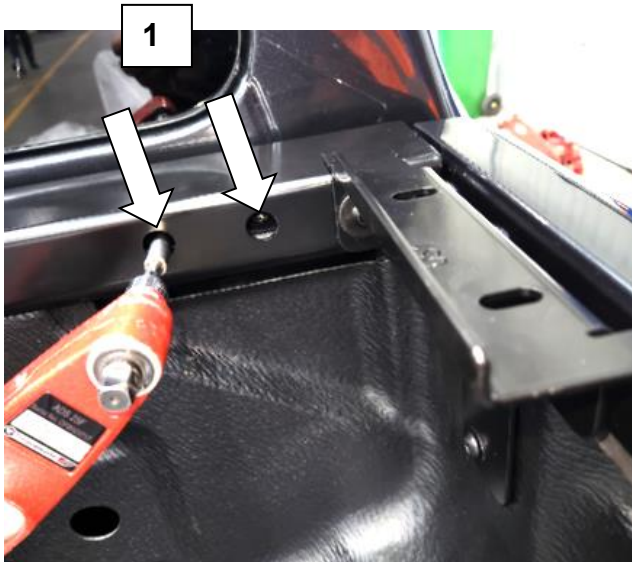


2.9) Clean the area with an alcohol wipe and apply to the right-hand top end of the front header rail assembly, the bridge seal (668PM005), by removing the backing paper off the adhesive side. Apply pressure to stick it down to the dimensions shown opposite.
The ramp curved profile should go between the front header rail and the side of the tub as a “bridge”.

!! IMPORTANT !!

POSITION THE SEAL BRIDGE EXACTLY AS SHOWN OR FRONT CORNER WATER LEAKS COULD OCCUR

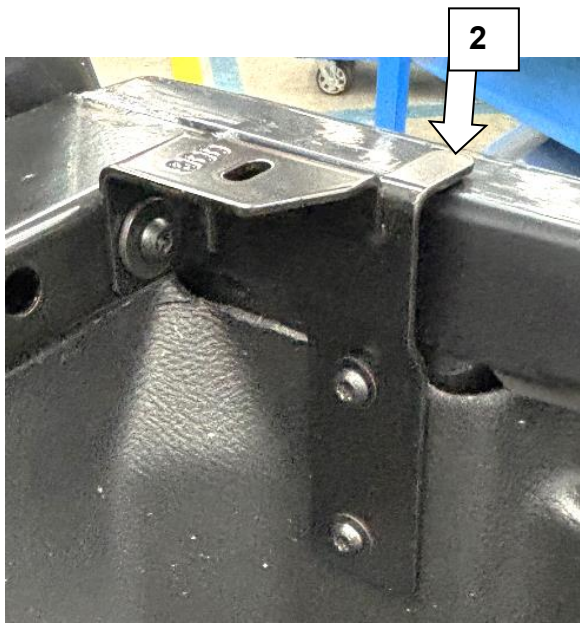
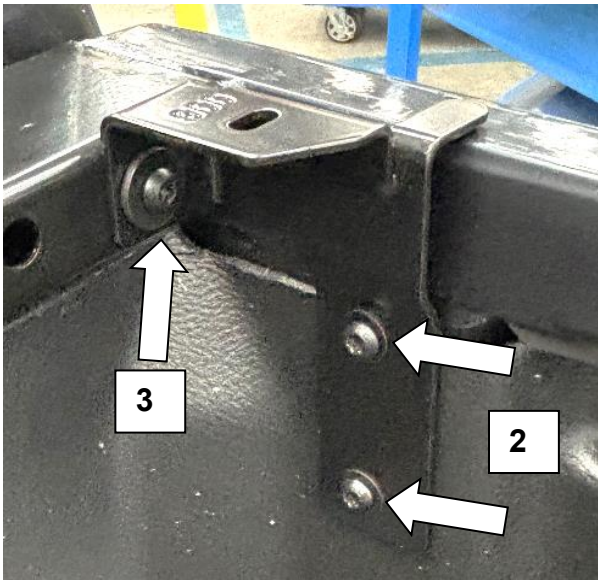
Repeat on the opposite end of the front header rail.



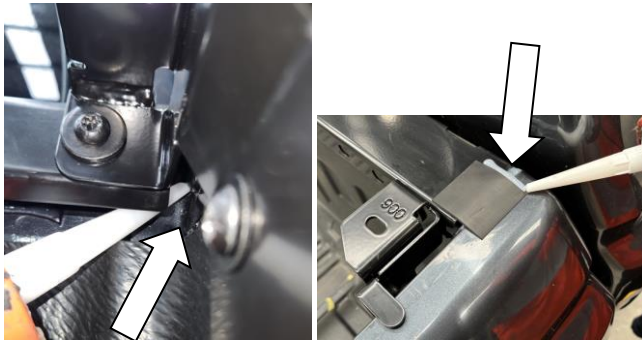
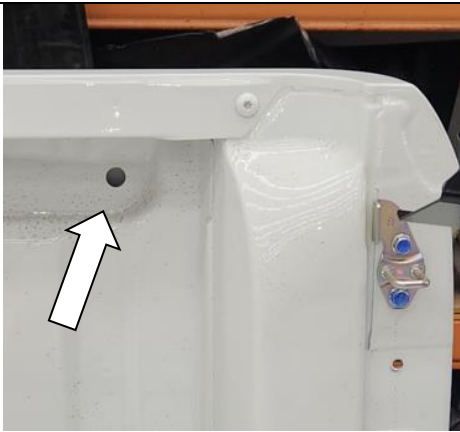
2.10) Through the holes in the front head board rail assembly, tighten the T40 screws **to 20Nm torque** on the (668AQ041) front header rail support brackets (1).

Then tighten the front corner mounting bracket's lower mounting screws **to 20Nm torque (2)** ensuring the tag on the rear end of the front corner mount brackets engages the top of the tub (2).

Then tighten the front corner mount bracket bolts to the header assembly **to 20Nm Torque.** (3)



2.11) If no bedliner is fitted, apply black stickers (668PB006) on each side of the tub to the holes in the inner wall of the tub at forward and aft each side.



- 2.12) Apply (neutral cure non-acetic) silicon to the join between the front head rail to tub sides from underneath the bridge seal in the rear corner and at the front and the back side, to stop water leaks.

The bridge seal provides a transition from the front tub mount rail to the top of the side tub walls to provide a sealing surface to the bed seal that is on the underside of the canopy.

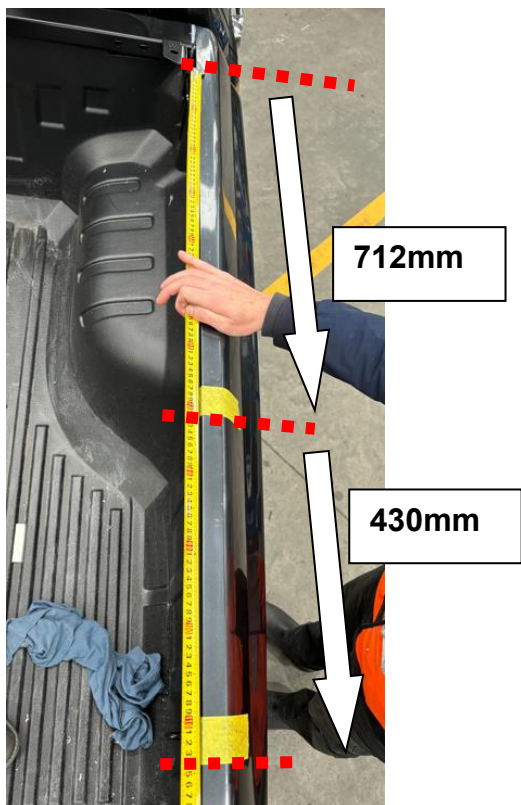
APPLY SILICON AS SHOWN OR FRONT CORNER WATER LEAKS COULD OCCUR

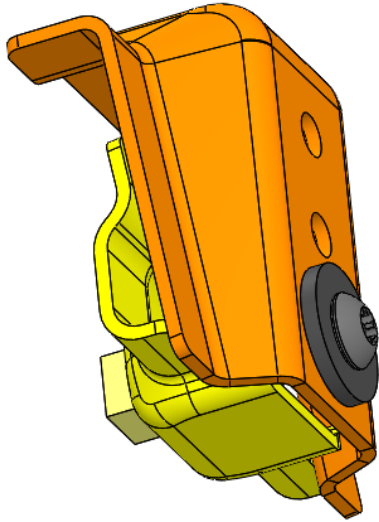
Carefully, clean off excess with a rag applied sparingly with silicon remover, or wax and grease remove and make the joints neatly.

- 2.13) At the rear trailing edge of the front corner mount brackets on the top of the tub sides, measure back along the top of the tub and make two **marks at position at 712mm first and at 430mm on the side of the tub from the first mark made.** Apply four clear abrasion resistant pads (669PB004) (2 per side) at these positions **reward of the marks, by aligning the 80mm long edge to the lower inner edge of the tub lip and the 64mm edge vertically, to the mark**

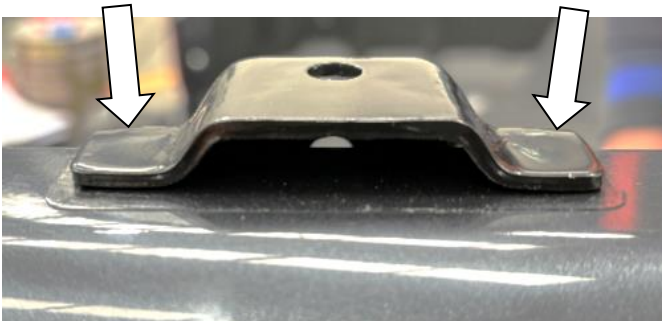


made on the tub and wrapping them up over onto the top of the tub rails.





- 2.14) Loosely preassemble the outer (667AQ003) and the inner tub mounting bracket clamps (667AQ004) using M8 x 45 Torx button head screws (6152266) and M8 x 25.4OD x 3mm flat washer (4581303) loosely. Locate the clamp bracket assemblies **over the centre** of the clear abrasion resistant tape pads on the sides of the tub. Ensure the bracket on the top of the tub is engaged down onto the top of the tub rail and do the Torx bolts up on each of the four clamp assemblies (2 per side of the tub) to **10Nm torque.**

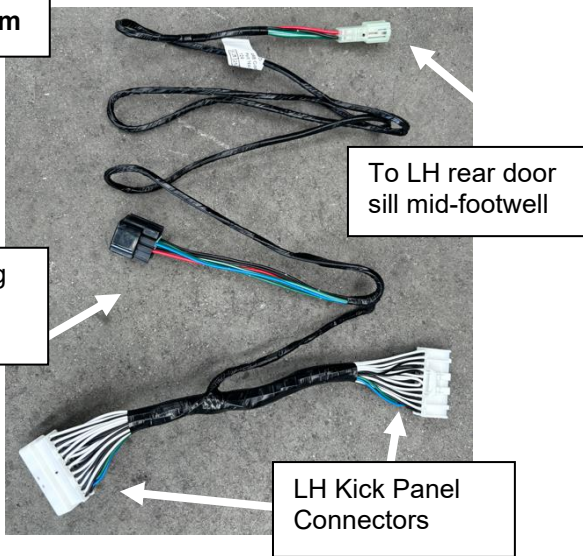


SECTION 3.0: FITTING THE CANOPY WIRING LOOM



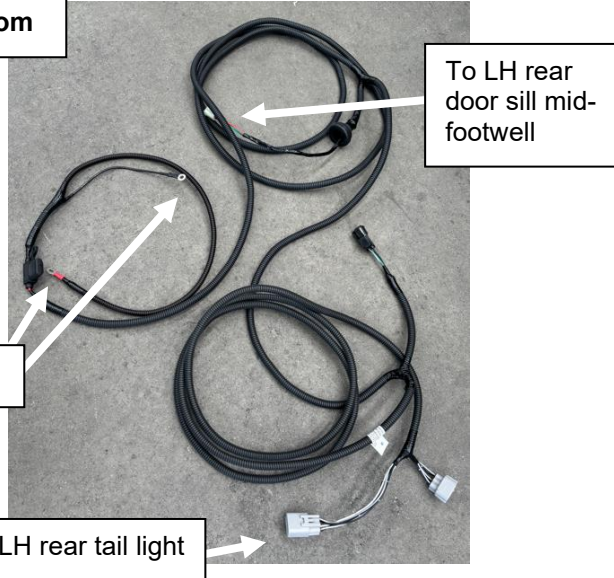
3.0) Remove the rear tail light assembly on the LEFT-HAND side. Do this by first undoing the 2 screws in the tailgate opening. Then pull the light to rear.

Short Loom



3.1) Unpack (669PJ034) vehicle patch loom from the fitting kit. Take the shorter loom of the two looms.

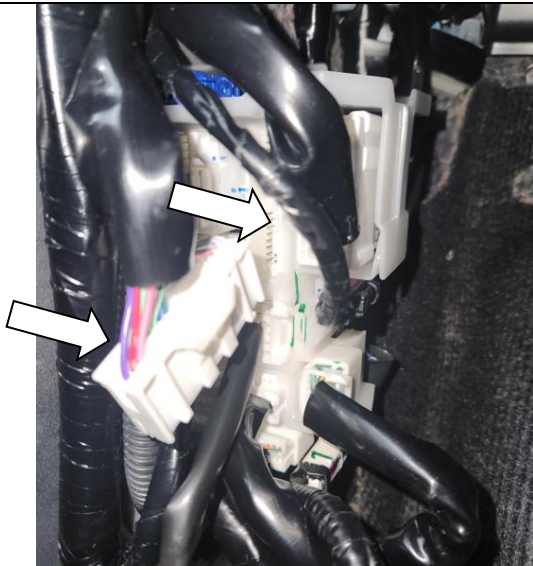
Long Loom



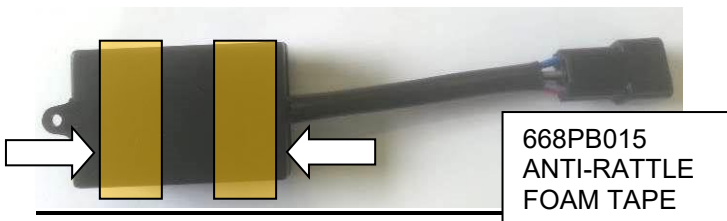


3.2) Open the front left hand door on the vehicle, and locate the lower kick panel cover. Remove the door sill scuff plate and the kick panel cover. The kick panel cover has a screw at the top front corner that must be undone to allow removal.

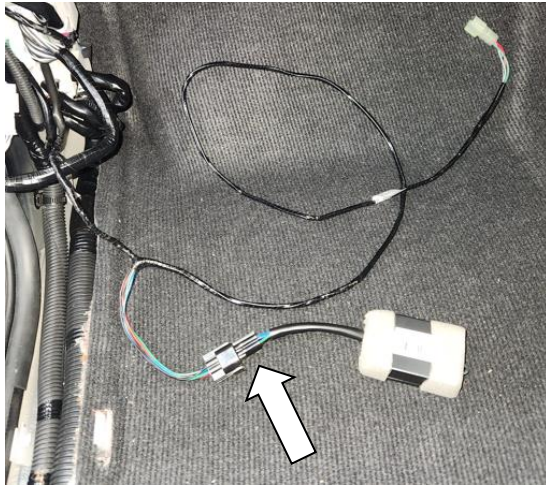




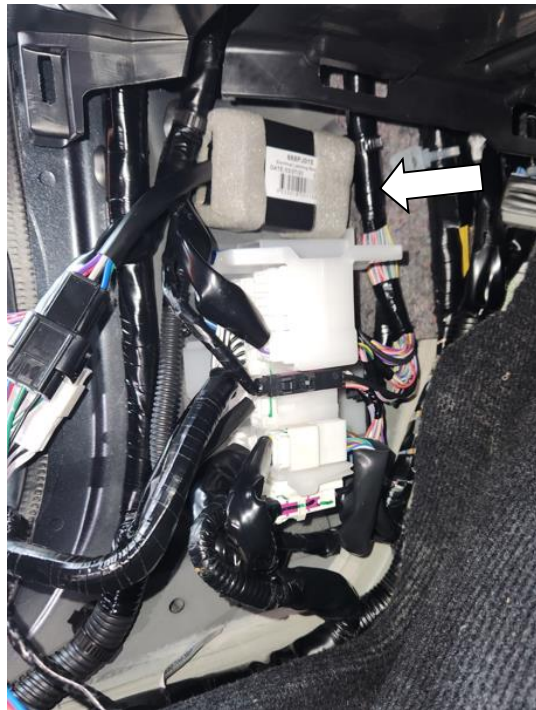
3.3) Locate the 40 pin large flat connector on the vehicle in the **uppermost MIDDLE** kick panel area, disconnect it and patch in the connectors from the shorter harness (669PJ034) and connect this between the 2 connectors on the vehicle. **Note: If the canopy wiring does not operate correctly please check you have plugged into the correct location**



3.4) Use (668PB015) anti-rattle foam strips and apply in the two positions shown wrapped around (668PJ015) latch relay.



3.5) Connect the latch relay (668PJ015) to the 6 pin connector on the canopy patch harness at the lower kick panel.



3.6) Position this on top of the vehicle's connector housing block and cable tie it through the loop on the relay box to the vehicle's wiring loom to secure it.



3.7) Reinstall the lower kick panel cover while running the loom rewards along the door sill edge near the edge of the floor carpet.



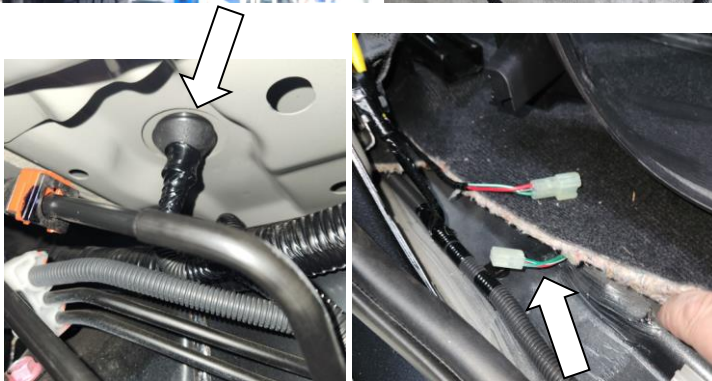
3.8) Remove the rear left hand door lower scuff plate. Pull away the lower "B" pillar trim next to the front seat at the base by removing the 2 piece cover.



3.9) Run the loom to the mid position of the rear door foot well area, next to the floor carpet edge.



3.10) Under the car and while on a vehicle hoist, find the rubber floor grommet next to the left hand chassis rail and remove it in the floor pan in the rear left hand seat area. Using the main larger loom from the hardware kit (669PJ034), feed the 4 pin connector with rubber grommet end up into the hole and seat the grommet into the hole. The 4 pin male connector, is then to be run under the floor carpet across to be connected to the smaller canopy patch harness at the 4 pin female connector near the edge of the carpet at the rear door sill.



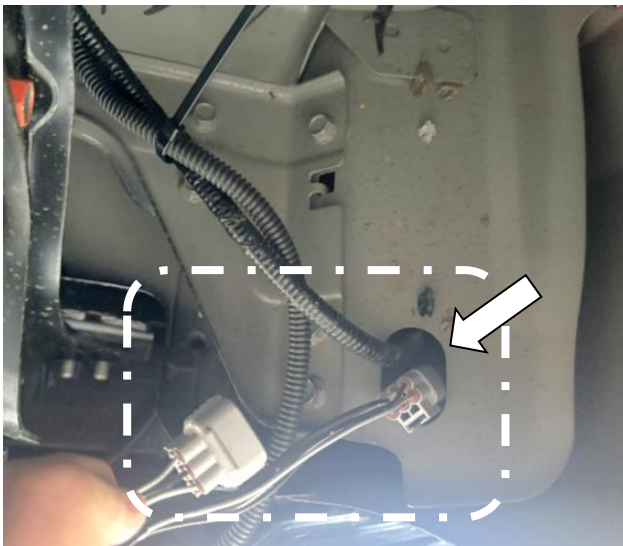
Reinstall the "B" pillar trim and all the lower door scuff plates.



3.11) Under the vehicle, run the canopy patch harness with the 2 connectors for the tail lamp rearward along the left hand chassis rail following the vehicle's wiring path rearward.

Cable tie the loom to the vehicle's loom above the chassis rail every 200mm and avoid tying to brake lines, moving parts, sharp parts and away from hot exhaust systems.

Per the image shown, cable tie off the canopy patch harness near the left hand rear corner of the chassis rail to the vehicle's loom.



3.12) At the lower area under the LEFT HAND rear tail lamp, push both tail lamp connectors on the canopy's vehicle patch harness through the hole in the panel. Cable tie the canopy harness to the vehicle's harness and run it up into the tail lamp recess.





3.13) Inside the tail lamp recess, connect the female connector on the canopy harness to the vehicle's tail lamp connector on the body.



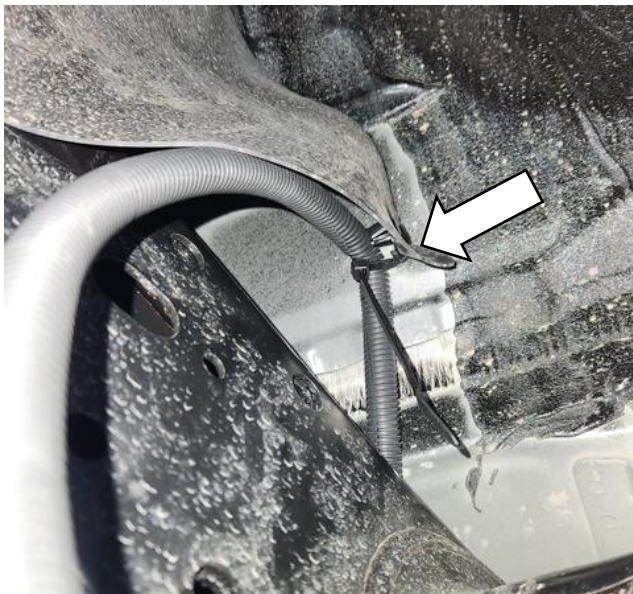
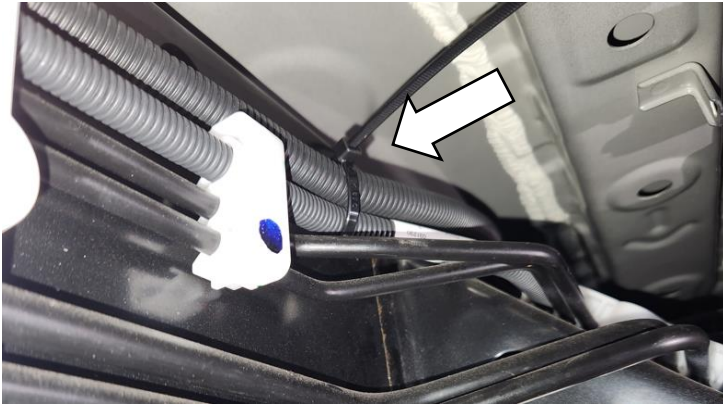
3.14) Connect the other connector to the tail lamp and refit the tail lamp.





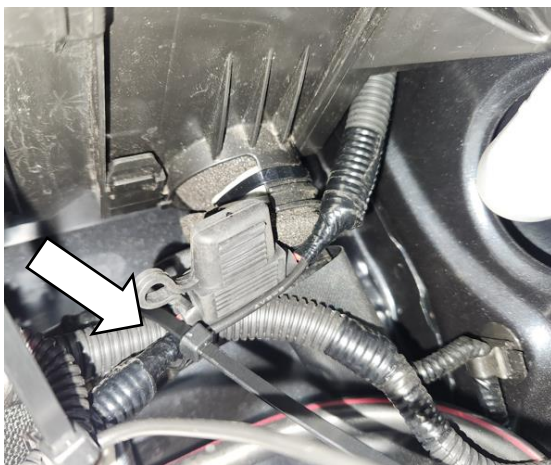
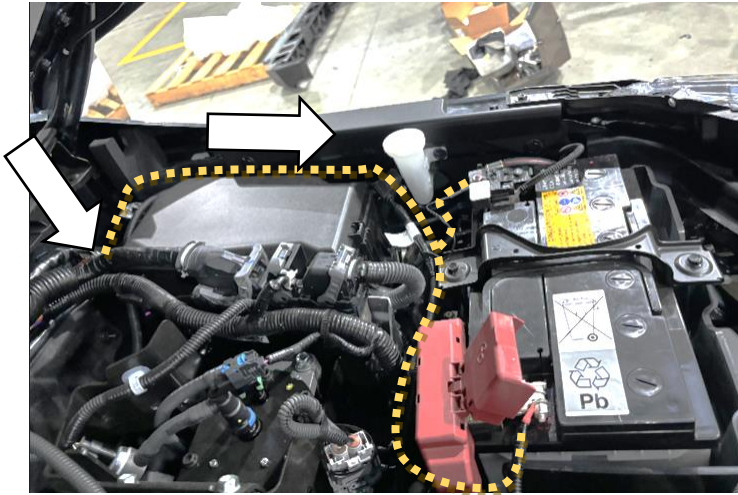
3.15) Back under the vehicle on a hoist, under the left hand floor pan at the canopy harness branch, run the end of the (669PJ034) wiring loom with the eye terminals forward along the chassis rail.

Cable tie the loom to the loom on the chassis rail every 200mm and avoid tying to brake lines, moving parts, sharp parts and away from hot exhaust systems.



3.16) At the front left hand wheel well, cable tie the loom to the mounting bracket for the trim clip retainer. Then feed the loom up into the engine bay.

Cable tie the loom to the loom on the chassis rail every 200mm and avoid tying to brake lines, moving parts, sharp parts and away from hot exhaust systems.



3.17) Open the bonnet and run the loom up against the firewall and around the back left-hand corner of the engine bay. Run the loom along under the area of the fuse box next to left hand fender towards the battery.

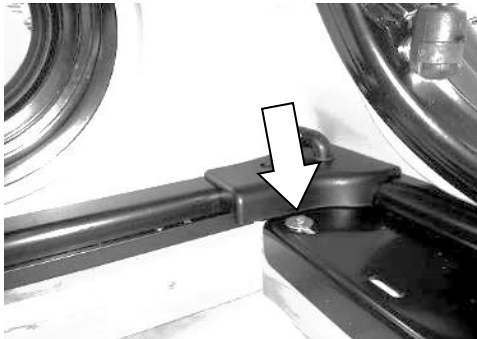
Cable tie the loom to the loom in the left hand rear corner of the engine bay **and avoid tying to brake lines, moving parts, sharp parts and away from hot exhaust systems.**

Route the harness around the back of the fuse box next to the left hand fender

Locate the positive battery terminal. Connect the eyelet on the red wire from the canopy loom to the terminal. Connect the eye terminal on the black wire to the battery negative terminal.

Cable tie the loom neatly in place around the engine bay and cable tie the fuse holder on the canopy loom down the vehicle's wiring behind the battery.

SECTION 4: FITTING THE CANOPY



- 4.0) Unscrew the canopy on the pallet by removing the 4 wood screws in each corner. Gain access to screws via opening the rear door and front lift up window
- 4.1) The front lift up window can be unlatched by reaching in underneath the canopy on the pallet and pushing forward on the glass in car position, to push the latch button upwards on both latches to unlock the window.



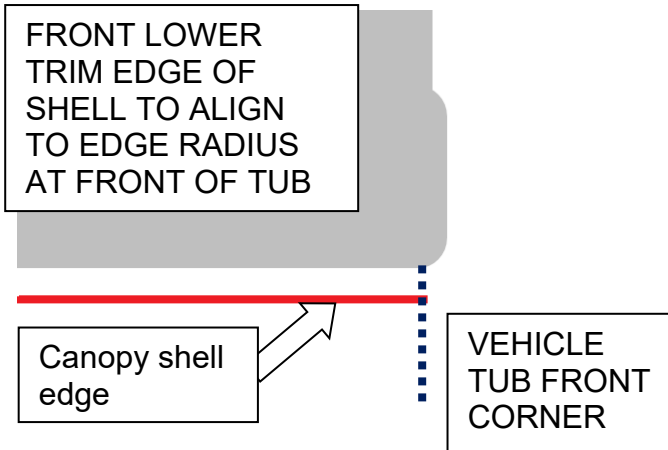
- 4.2) Clean the front window of the canopy on the outside.
- 4.3) Clean the rear window of the vehicle's cabin.
- 4.4) Close the vehicle's tailgate.



- 4.5) Cut the cable tie holding the wiring harness to the side window frame bracket inside the front corner of the canopy. Using masking tape, tape the harness up over the front left hand corner of the canopy.



TOP VIEW OF FRONT CORNER OF CANOPY ON VEHICLE



4.6) Close the canopy's rear door and **USING 4 PEOPLE**, lift the canopy from the pallet and place it carefully down onto the vehicle's tub

Be careful not to dislodge the foam tape around the inside edge of the canopy shell's lip perimeter.

Take care during this process to ensure the trim edge of the canopy shell is lowered down evenly and is not contacting the vehicle tub to avoid paint damage.

When re-positioning the canopy, lift the canopy up to avoid dislodging the weather seal underneath.

POSITIONING OF CANOPY ON TUB:

The canopy should be positioned so the lower door edge's sash seal is sealing well and evenly along it's length to the tailgate and even at the lower door glass edge on both sides.

Then review the front leading lower edge corners of the canopy are aligned just to the beginning of the edge radius at the front of the tub.

Check minimum gap from canopy front pillars and cabin is 30mm at the tightest location of the front pillar of the canopy to the vehicle's cabin.



4.7) Measure the trim edges of the canopy at the rear sides and at the front both sides, to the vehicle's tub.

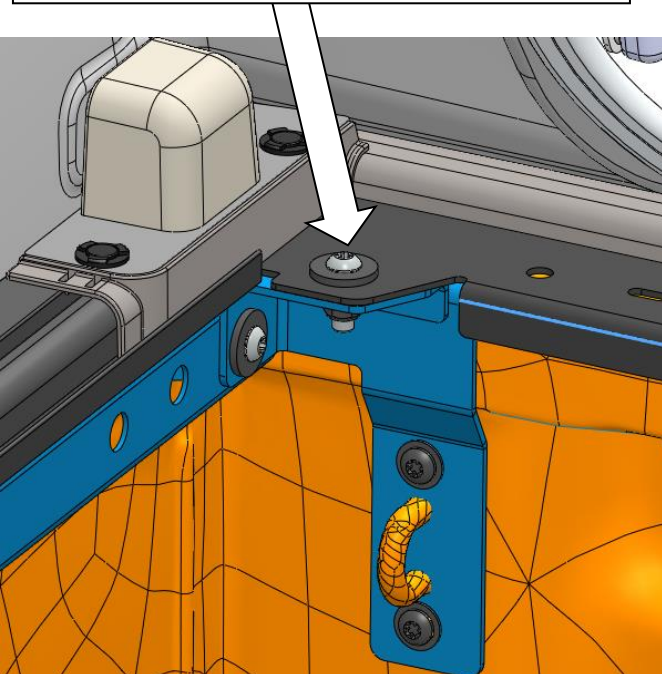
This measurement should be even on both sides of the canopy.



4.8) Stand back and walk around the canopy and check uniform balanced fit to the tub and cabin.

- The canopy is central on the Ute body.
- Alignment between cab and canopy is even both sides
- The rear door seals against the tailgate evenly both sides without excessive force on glass to close.
- The gap is even between the door and shell on both sides.

M8X25 TORX SCREW (6151625) WITH M8x25.4x3 28 WASHER (4581303) ABOVE AND M8x25.4x3MM WASHER (4581303) BELOW WITH M8 NYLOC NUT (6151212)

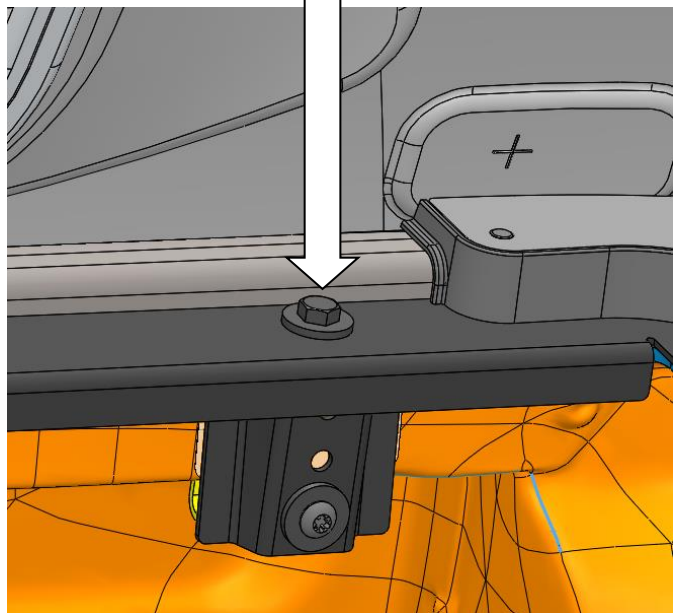


4.9) On the inner edge of the front corner of the base rail, assemble one M8x25mm Torx head screw (6151625) with one M8x25.4x3mm washer (4581303), and on the underside, one M8x25.4x3 flat washer (4581303) to the front tub mount bracket (667AQ002R) and M8 nyloc nut (6151212)

Tighten M8 screws to 20 Nm.

Do for both sides.

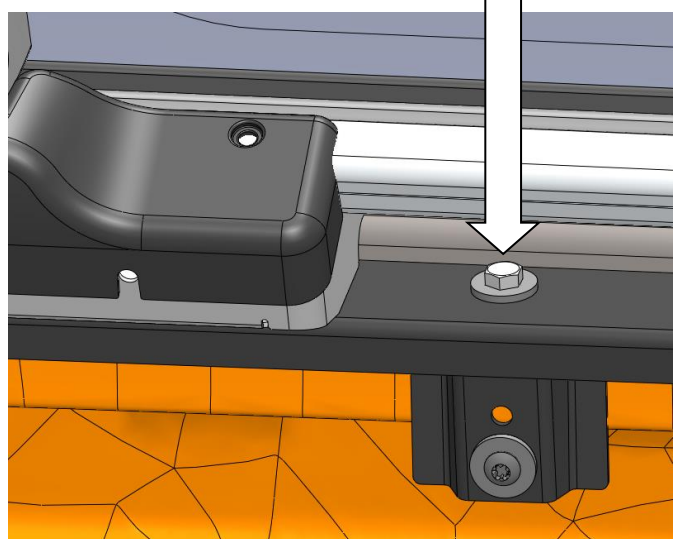
M8x16 HEX HEAD SCREW
(6152278) WITH 3MM
THICK WASHER



- 4.10) In rear corner on the inside of the canopy, assemble one M8x16mm hex head screw (6152278) with one M8x25.4x3mm thick washer (4581303) and fasten it down through the back corner of the canopy's base rail into the rear most canopy clamp

Tighten to 20 Nm on both sides.

M8x16 HEX HEAD SCREW
(6152278) WITH 3MM
THICK WASHER

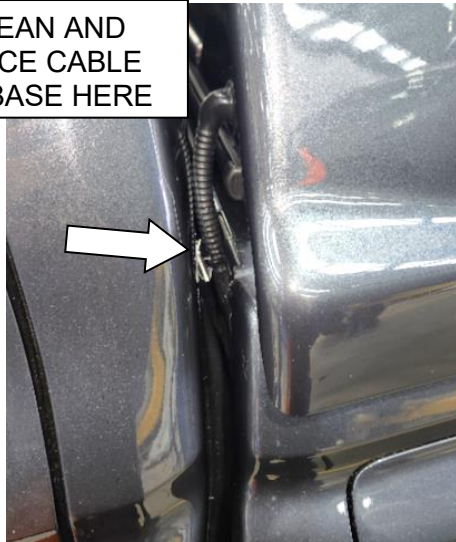


- 4.11) On the inside of the canopy under the rear end of the side window frame, assemble one M8x16mm hex head screw (6152278) with one M8x25.4x3mm thick washer (4581303) and fasten it down through the canopy's base rail into the canopy clamp

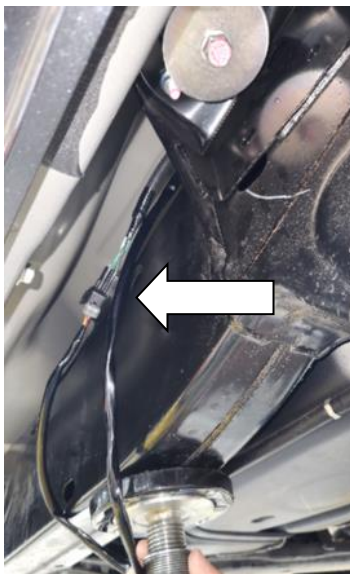
Tighten to 20 Nm on both sides.



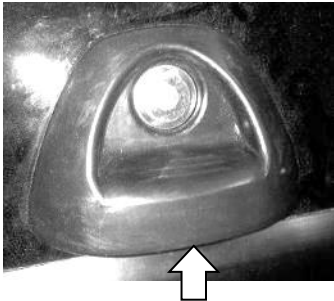
CLEAN AND
PLACE CABLE
TIE BASE HERE



- 4.12) Cable tie the (6821293) cable tie base to the canopy loom at the front LEFT HAND outer corner of the canopy, in the location shown (on the top end of the tube of the rubber grommet) tight enough to not allow it to fall down the loom and in the orientation shown.
- 4.13) Reaching between the tub and cabin on left hand side with an alcohol wipe (6602018), clean an area on the front of the tub level to where the cable tie base will be fitted.
- 4.14) Peel the protection film off the cable tie base (6821293) and drop the canopy loom down between the cabin and tub on the LEFT HAND side.
- 4.15) Reaching in between the cabin and the tub, press the cable tie base firmly onto the cabin while aligning the rubber grommet in the centre of the notch on the front headboard rail assembly that is fitted to the tub. Ensure it has adhered firmly by applying pressure.



- 4.16) Connect the canopy wiring connector to the end connector of the canopy wiring harness (668PJ034) fitted to the vehicle, in the plenum above the LEFT HAND chassis rail forward of the rear cabin body mount.
- 4.17) Cable tie the remaining harness up in the cavity and tie it off to the vehicle's main wiring loom. **Avoid stress on wiring at the back of connectors.**
- 4.18) **Press the key fob of the car to the UNLOCK POSITION TWICE.**
- 4.19) Go to the canopy's rear door and press the door push button pad. Check the door opens and the electric actuator functions to unlock the canopy door.
- 4.20) Turn the interior light to the "II" position that the interior light turns off when the door is closed.



Press the button underneath to check the door releases on the actuator and the pressure is not too high to stop it unlatching.

4.21) 2 people are required for this step. Check the gap on the rear door on the sides of the glass is even to the canopy shell. This can be made even by pushing in on the canopy shell rear pillars and on the inside loosening and doing up the screws.

4.22) It may be necessary now to adjust the canopy backwards to reduce the pressure on the lower door edge seal and therefore the door actuator mechanism. This will allow the door to open properly and evenly both sides.

2 people will be required to re-adjust the door glass gap at the sides if the canopy has to be moved, by either pulling or pushing on the rear pillars of the canopy and retightening mounts.



4.23) Check the gap of the canopy shell's trim edge corners to the tub. It should be even on both sides of the canopy.

!! IMPORTANT !! The gap between the rear pillar corner piece should be 7mm OR MORE and even both sides. Move the canopy rearward if required.

If there are issues with the rear door operation being uneven on each side, refer to Section and also undertake the above.

Tighten the Torx screws through the canopy's base rail at 3 positions each side inside the canopy to 20 Nm.



4.24) Apply masking tape to the vehicle's tailgate level with the lower edge of the door.

4.25) Open the canopy's door and clean the area above the masking tape across the tailgate with an alcohol wipe (6602018). Roll out the clear protection tape (665037). Starting overlapped about 10mm with one end of the tailgate, in the location as shown, and above the line of the masking tape which is to be used as a guide for edge location, start applying the clear protection tape by partially removing the tape backing liner.

4.26) During application of the clear tape, push out bubbles and wrinkles working from one end of the tape with a squeegee. Leave the overhang on the opposite side.

4.27) Trim the clear tape both ends level with the tailgate ends and smooth off.

Remove the masking tape.




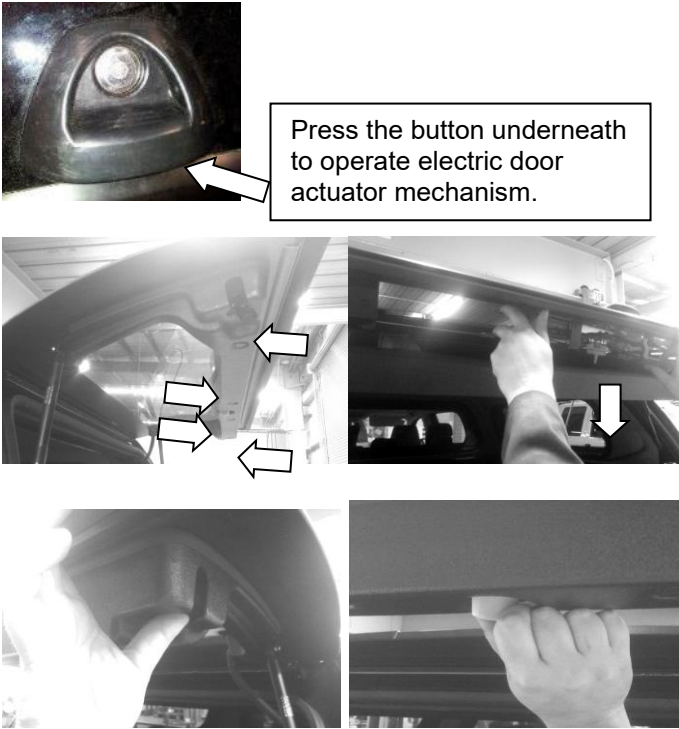


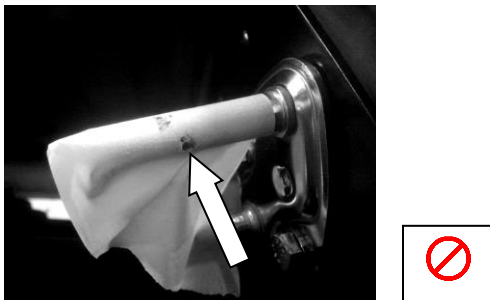
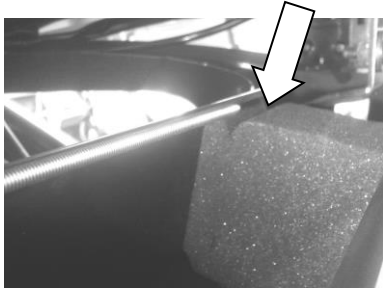
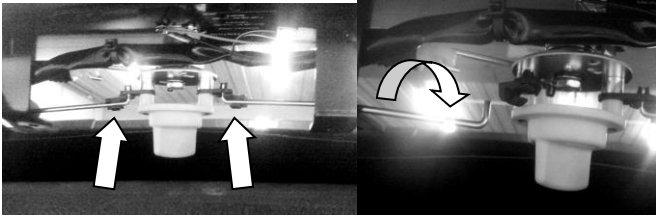
4.28) Water test the canopy around all windows and joins to the tub with high pressure hose and seal or report any leaks found.

4.29) **Ensure Section 5 and 6 are discussed with the customer and copies are given to the customer. The last page is to be retained by ARB or dealer fitting the canopy for records.**

SECTION 5: OPERATIONAL CHECKS AND ADJUSTMENT OF DOORS AND WINDOWS

Operational checks need to be undertaken as follows.

	<p>5.0) Move the interior light switch to the position II where it will turn off when the door is closed and turn on when the door is opened.</p>
	<p>5.1) Depress the vehicle's brake pedal and have a second person check that the brake light in the spoiler works.</p>
	<p>5.2) Remove the key from the rear door handle and combine this with the key taped inside the canopy. The 2 keys should then be added to the customer's key ring. <u>!! IMPORTANT !! Check BOTH keys work manually in the rear door lock.</u></p>
 <p>Press the button underneath to operate electric door actuator mechanism.</p>	<p>5.3) Operate the door push button switch to open and close the door. If one side opens before the other, the lock mechanism can be adjusted so that both sides of the door open simultaneously if the following is done:</p> <ul style="list-style-type: none"> • Open the door. Remove the 4 scrivenets retaining the lower section of the door interior cover using a flat blade screw driver under the head. Slightly pry the door cover down away from the glass. • Close both of the latch pawls on the sides of the door glass with your fingers. Slowly turn the interior door release handle and listen to hear if both latches click open at the same time with the door cover pushed back up to the glass whilst ensuring the latch rods are located into the foam blocks on the door cover.



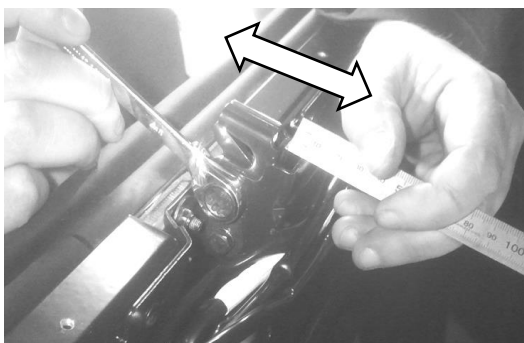
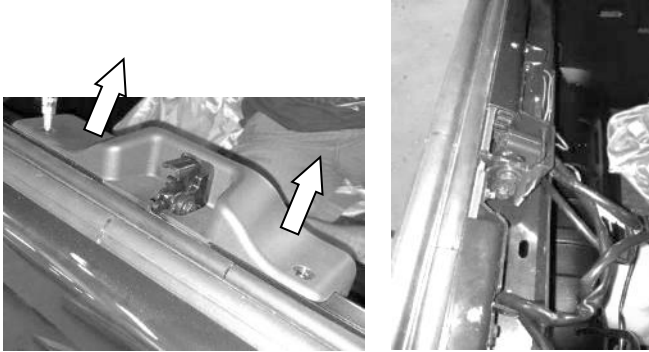
- If the latches do not operate simultaneously, locate the black plastic clips on each end of the pull rods to the latches, unclip a pull rod, lengthen or shorten it by winding it in/out and re-clip in. Close the latches with your fingers again and test operation via the interior rear door handle to operate simultaneously.

- Once satisfied, refit the door cover lower portion with the scrivenets, but ensure to guide the pull rods into slits in the foam blocks on the door cover at both ends.

If the latches can be seen to bind on the door frame strikers, it may be necessary to adjust the door frame strikers.

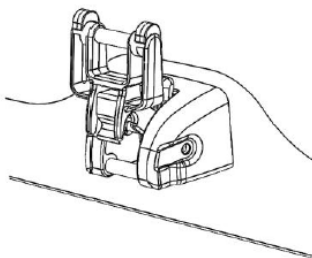
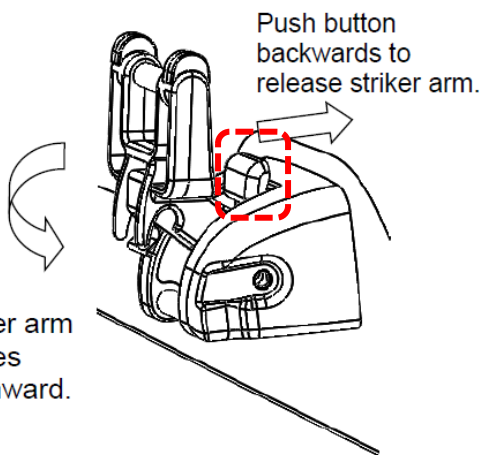
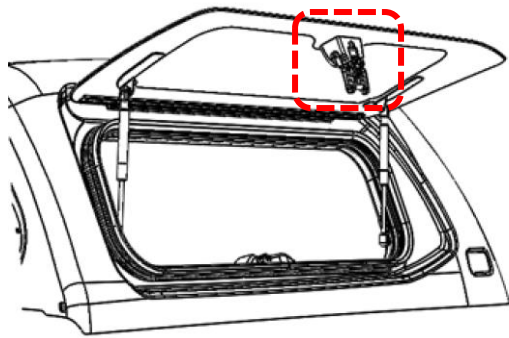
Do this by the following:

- Place one thickness of masking tape around the striker bar where the latches contact. Open and close the door. If the tape shown signs of wear through on the top side or underneath of the striker bar, it is necessary to adjust the striker away from the side on which the wear is shown. **The aim is only to have wear on the outward face of the striker bar.**
- Undo the M6 screws slightly on the strikers and adjust their position slightly. **Re-torque screws to 9Nm.**
- Test the door again and adjust via the above methods until satisfied.

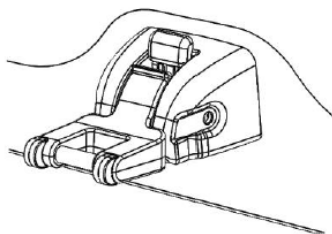


5.4) Operate the push button switch on side lift up windows. If the windows will not latch properly, and the solenoid can be heard working, the latch can be adjusted in the following steps.

- Remove the rotary latch plastic cover on the window frame.
- Operate the window with a person outside pushing the button and closing the window slowly. Look to see the striker bar on the glass does not scuff the leg on the rotary latch pawl as the window closes. The striker bar should close into the middle of pawl slot on the rotary latch on the frame. Place one thickness of masking tape around the striker bar where the latch contacts. Open and close the window. If the tape shows signs of wear through on the top or underside of the striker bar, it is necessary to adjust the striker away from the side on which the wear is shown. **The aim is only to have wear on the outward side of the striker bar not above or below in closed position.**
- Two M6 Torx screws can be undone with T30 bit and **re-tightened to 7Nm** on the glass mounted striker on either side to move the position of the striker up and down on the glass.
- The rotary latch on the window frame provides window in/out adjustment. Measure the distance between the back of the rotary latch and it's mounting bracket and take note of it (9mm). Loosen the bolts through the latch and move the latch out 1mm at a time and **re-tighten to 9Nm** and test the window until it opens and closes and seals satisfactorily.
- Refit the cover over the latch mechanism and ensure wiring inside is coiled up neatly and cannot interfere with the latch mechanism.



Striker in (up) window closed position.



Striker in (down) window open position. (Vented window)

5.5) The lift up side windows incorporate a catch design that allows two positions of operation.

With the striker arm up, the window will fully close to seal. With the striker arm down, the window may be locked in a partially open, air vented position, to allow air flow inside the canopy for pets.

To configure the striker into the partially open (window vented position), push the release button backwards on the catch, and rotate latch arm down until it locks into open position (vented window).

To fold the arm up and close the window, simply push latch arm upwards until arm "clicks" into the up position.

Do not close the window unless the striker latch arm is locked in either up or down positions.

If latch arm is not locked in position during closing of the window, it could cause damage to the striker and / or the rotary latch mechanism.



SECTION 6: OWNERS MANUAL SUPPLEMENT (Fill in and give to customer).

ARB - Ascent Canopy AC18C Mitsubishi Triton 2024+ or AC25C Nissan Navara 2026+

KEY CODE (Write it in boxes opposite)
(As is found on key bag or on canopy serial number label inside the canopy on the badge recess on the rear pillar)

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Warranty

- Refer to ARB Products “Warranty Against Defects” booklet contained within the hardware kit, to be delivered to the customer upon purchase.
- ARB provides a 3 year warranty with this product from date of purchase via the original purchaser.
- One year warranty is provided on gas struts.
- This warranty does not cover modifications / alterations, improper installation, use of non-genuine ARB accessories, abuse / misuse, accident, lack of maintenance, normal wear and tear and exposure to chemicals or solvents harmful to plastics.
- Loss of contents within the tub and canopy due to use, breakage during theft, leaving the canopy unlocked, lack of maintenance or mis-use of the product is the responsibility of the vehicle operator.
- Normal wear and tear from the vehicle’s operation with the canopy can occur and paint rub result on the canopy or the tub over time. It is recommended that the customer observes wear on tailgate protection tape and periodically replaces it.

Safety Warnings

- **The canopy will only unlock on the remote key fob when the unlock button is pressed twice if the program setting on the vehicle’s console is not set to “unlock all doors”.**
- Do not drive with windows or doors open, other than on the latch position for providing a vented side lift up window. All doors and lift up windows should remain closed and latched.
- Do not sit, rest or stand on the canopy roof, or rest heavy objects on the roof without these being loaded on ARB genuine roof bars or racks systems.
- Do not fit any roof bar or roof rack system other than ARB genuine accessories designed for this canopy.
- Do not use the vehicle’s tub with a canopy fitted as a passenger compartment.
- Do not transport or store volatile materials such as solvents, chemicals or liquids, as fumes may cause damage inside the canopy, or cause fire, due to reduced ventilation.
- Do not fill fuel containers inside the canopy as static electricity can build up causing a fire.
- Do not allow solvents, chemicals or oils to contact the canopy as damage can occur. Clean interior canopy surfaces with water and mild detergent.
- Do not depress lift up window or rear door push button switches for a period of time other than to function their operation. Do not operate them simultaneously, as damage may result. Overload switches on locking systems should reset after 30 seconds.

Maintenance Requirements

- At routine vehicle service schedules, screw torques as described in this fitting instruction should be checked. (Please ask the company that fitted your canopy for a copy of the fitting instructions).
- At routine vehicle service schedules, or as conditions dictate, lubricate the handle lock with Teflon spray e.g. SuperLube multipurpose Aerosol or 3-in-1 Professional Lock Lubricant or Isoflex Topas L32 grease. Latches and hinges may be serviced with Isoflex Topas L32 grease. Vaseline may be used sparingly on rotary latches. Molybond 122 on hinges. Do NOT use any other greases, oils or aerosols as failure may result voiding warranty.
- Ensure functional checks of the rear door lift up windows, interior light 3 way switch on door opening and brake light are carried out at vehicle service schedules.
- To clean, only use quality car care mild detergents, waxes and polishes. Do not use abrasive compounds on painted surfaces unless conducting repairs. If paint repairs are undertaken only bake at 60oC. Use only paint systems that are suitable for ABS plastic.
- Ensure gas struts are only ever connected with the cylinder end to the glass and the rod end to the canopy’s window frames. Failure to do so will cause premature failure of gas struts.
- Clean gas strut rods with a damp cloth only when regularly cleaning the vehicle. Seal failure of the strut can occur if cleaned with solvents or greased or left uncleaned.

**SECTION 7: ARB FITMENT CHECKLIST (TO BE FILLED IN - RETAIN THIS RECORD).**

To be completed by the installer and records kept at the dealer or fitter.

ARB - Ascent Canopy AC18C Mitsubishi Triton 2024+ or AC25C Nissan Navara 2026+			
Dealer Name and code:		Date:	
Vehicle registration:		Vehicle Vin No:	
Vehicle make:			
Number of Kms:		Order No:	
Canopy serial number: (left inside corner on canopy pillar on inside of ARB badge recess)			
Canopy Key Serial No (Printed on bag stating with letter L)	L _____	Canopy Colour:	
Vehicle damage / condition check (details):			(Tick)
Vehicle tub sealing is done as per Section 1&2 of these instructions.			
Check the gap between the front of the canopy and the cabin is 30mm or more at it's tightest point.			
Check the gap between the lower edge of the door glass is consistent left to right and there is not excessive pre-load of the door glass lower edge to the tailgate or door lower seal.			
All screw torques completed as detailed in the instructions – ! Important !			
Rear door gaps down the sides are aligned to canopy shell, and door latches both sides simultaneously on closing and releases simultaneously on opening. (See Section 4,5)			
Key fob once pressed, unlocks the canopy. If this only works when twice pressed- change program setting on the vehicle's console settings menu to "unlock all doors" to allow activation of the remote lock system to unlock on the key fob with only one press of the button.			
Door rear door push button switch functions to open the door both sides simultaneously.			
Door functions with both keys to turn to open as a manual electrical failsafe.			
3-way position interior light switch is set to come on with door open.			
Lift up windows operate via push button to unlatch to open and will close and latch manually.			
Lift up windows latch arm when opened on the striker will latch and unlatch from the window frame when the push buttons are operated to open and will close and latch manually, to lock in the partially ajar vented window position.			
The roof vent functions and water seals.			
Water test with high pressure hose (to simulate tropical rain fall) has been completed around all windows and join to canopy bed and at the roof vent with no leaks other than through unsealed tailgate sides.			
Spoiler rear brake light operates when brake pedal is pressed.			
Canopy keys added to customer's key ring.			
Serial number recorded on the owner's supplement pages and owner's manual supplement copy given to the customer and explained.			
Comments:			
Fitted by:			
Checked by:			