

## DUAL CAB CLASSIC CANOPY

### Classic Canopy CL/S79 – Ford Ranger Dual Cab 2022+ (2022 Vehicle Production Onwards. To suit XL,XLS,XLT, Wildtrack, Raptor)



FITTING KITS: TAILGATE AND HEAD BOARD KIT 6177780. TUB MOUNT KIT 6177933. SEAL KIT 6177811

**! 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.
- The majority of installation can be completed by one person (**however 2 people will be required to lift the canopy onto the vehicle**).



#### FITMENT:

- For Bed Liners and accessory Cargo Management Systems (with sliding tie down rail cleats), additional time for fitting is required including partial trimming of bed liners.
- All side tub rail plastic mouldings, Cabin Guards and Sports bars **must** be removed prior to canopy fitment. These components can be returned to the customer if required. The plastic cap on top of the tailgate is to remain assembled to the vehicle.
- **Specific to Ford Wildtrack models, fitting instruction 37801115 must be undertaken first to prepare the vehicle for canopy fitment.**

#### 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:

Protective eyewear 	Hearing protection 
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*NOTE: 'WARNING' notes in the fitting procedure relate to OHS situations, where 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"><li>• Torque Wrench 1.5-25Nm</li><li>• Sockets 7, 8, 10 &amp; 13mm sockets</li><li>• Socket extension bar and driver</li><li>• Spanners, ratchet type, 10 and 13mm.</li><li>• Tape measure</li><li>• T20, T27, T30, T40, Torx Drive Allen keys and bits for socket drives.</li><li>• Electric or pneumatic drill</li><li>• Pneumatic rivet gun.</li><li>• Drill bits: 5.2, 6, 16, 21mm</li><li>• Drill stop for 6mm drill bit</li><li>• Step drill to 21mm diameter</li><li>• 25mm hole saw</li><li>• Caramel wheel</li><li>• Rags and silicon remover or wax and grease remover</li></ul>	<ul style="list-style-type: none"><li>• Engineer's scribe</li><li>• Silicon Caulking Gun</li><li>• <u>Neutral cure</u> Clear Non-Acetic Silicon</li><li>• Spray trigger bottle with soapy water</li><li>• Phillips head screwdrivers</li><li>• Flat blade screwdrivers</li><li>• Side Cutters</li><li>• Cleaning cloths / rags</li><li>• Knife</li><li>• Sharp Scissors</li><li>• Prepsol/ Silicon remover.</li><li>• Deburring tool</li><li>• Rubber printing roller.</li><li>• Electrical cable crimping tool.</li></ul>
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### FITTING THE CANOPY IS UNDERTAKEN THE FOLLOWING STAGES:

1. Removing any sports bars, cabin guards, side bed rail plastic cap and roll top tonneau covers (For Wildtrack vehicles - please read and undertake fitting instruction part no 37801115 first).
2. Fitting the tailgate door sealing stop assembly.
3. Fitting the tub sealing blocks.
4. Fitting seals to the tub, front header rail and canopy spacer bracket system.
5. Fitting the bed seal before the canopy is mounted.
6. Fitting the canopy to the vehicle.
7. Fitting wiring.
8. Operational checks and adjustment options for doors and windows.
9. Recording of key code and owner's manual supplement.
10. Check list and sign off.

**NOTE: DURING THE INSTALLATION IT IS NECESSARY TO DRILL SOME HOLES THROUGH THE METAL MOUNTING BRACKETS. IT IS RECOMMENDED THAT THESE ARE DE-BURRED AND THE RUST INHIBITOR PROVIDED BE USED TO AVOID CORROSION. ANY SWARF LEFT OVER SHOULD BE CLEANED FROM TUB**

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

**REQUIRED SCREW TORQUES: M6=9Nm M8=20Nm**

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

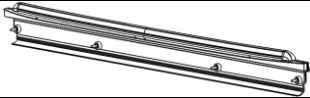






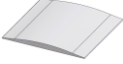







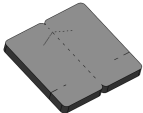
## THE FITTING KIT CONTAINS:




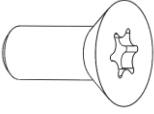











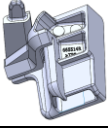
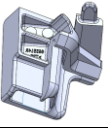


Packed under the canopy are 3 fitting kits:

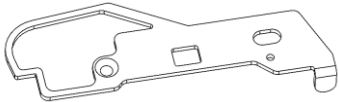
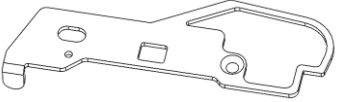
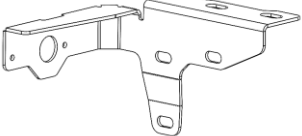
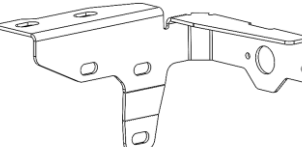
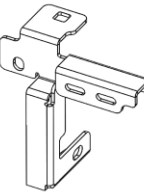
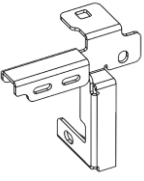
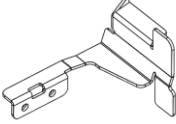
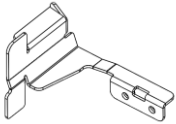

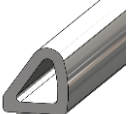
6177780 contains the tailgate door stop sealing kit and tub front head board mounting rail.

6177933 contains the main hardware for mounting the canopy.

6177811 contains the tub bed rail sealing extrusion.

Kit No	Part No	Picture	Qty	Description
1). 6177780 <b>TAILGATE AND HEAD BOARD KIT</b>	668AQ027		1	ASSEMBLY TAILGATE DOOR SEALING STOP
	668PD156		1	FRONT MOUNT RAIL FOR FRONT OF TUB
	668PB018		1	ROLL OF FOAM TAPE 26 x 2 x 1650mm
2). 6177933 <b>MAIN CANOPY HARDWARE KIT</b>	6152086		4	PLASTIC PUSH RIVET 6.5 DIAMETER X 14 mm STEM
	668PB033		1 PAIR	TUB FRONT CORNER SEALS - PAIR OF
	665037		2	CLEAR TAILGATE PROTECTION TAPE 30mm WIDE- ROLL
	668PB006		4 PAIR	DIE CUT BLACK STICKERS - PAIR
	668PM005		1	RUBBER SELF ADHESIVE TUB CORNER SEAL BRIDGES - PAIR
	665076		1	BUMPON STRIP OF 5 PIECES
	665044		2	PRIMER STICK
	665505		1	RUST INHIBITOR SACHET
	6602018		4	ALCOHOL WIPES
	666010		1	ELECTRICAL LOOM CANOPY HARNESS
	180302		23	CABLE TIES 200mm LONG
	6821135		2	TUBE CONVOLUTED 7mm x 250mm LONG
	665081		1 PAIR	DIE CUT TAILGATE SEALING PADS - PAIR

655082		1 PAIR	DIE CUT FRONT TUB TOP SEALS- PAIR
6152128		6	FIR TREE CLIP FOR 6MM HOLE
4584435		6	RUBBER FLAT WASHER OD19X6.5IDX0.8MM- BLACK
6151911		2	SCREW COUNTERSUNK M8x20- BLACK
6253421		2	SPACER 20 OD x 13.5mm THICK- BLACK
4581303		12	WASHER FLAT M8 x 25.4 x 3mm - BLACK
4581085		10	WASHER FLAT M8 x 19 x 1.2mm - BLACK
6152008		3	HEX FLANGE HEAD BOLT M6 x 25 - BLACK
6151213		4	HEX HEAD BOLT M6 x 1.0 x 20mm - BLACK
4581082		8	WASHER FLAT M6 x 20 x 1.2mm - BLACK
3195582		2	WASHER FLAT M8 x 34MM x 6MM- BLACK
6151223		2	NYLOC NUT M6 x 1.0mm - BLACK
6151548		1	FLANGE NUT SERRATED M8 x 1.25mm - BLACK
6151681		22	HEX HEAD BOLT M8 x 1.25 x 35mm – BLACK
6609087		4	RIVET POP 3/16" DIA GRIP 4.8-11.1mm
665514R		1	RIGHT HAND TUB RAIL REAR SEAL
665514L		1	LEFT HAND TUB RAIL REAR SEAL
3199779		1	GRINDING PLATE (DISPOSABLE)
6600044		2	BRACKET ASSEMBLY MID TUB MOUNT SPACER

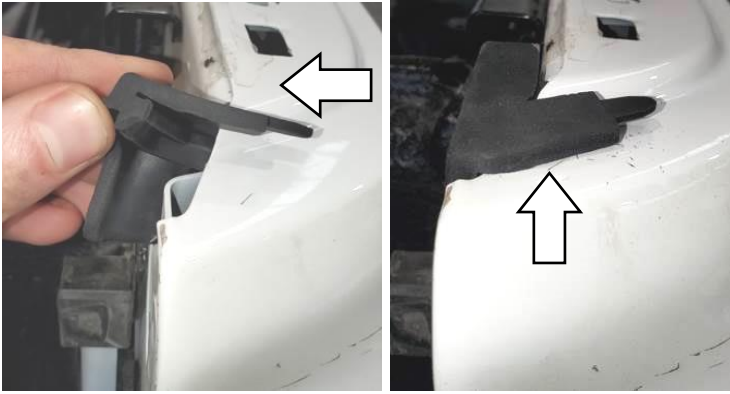
	3755060R		1	BRACKET- RIGHT HAND FRONT TUB SPACER PLATE
	3755060L		1	BRACKET- LEFT HAND FRONT TUB SPACER PLATE
	3755059R		1	RIGHT HAND FRONT TUB CORNER BRACKET
	3755059L		1	LEFT HAND FRONT TUB CORNER BRACKET
	3753253R		1	RIGHT HAND REAR TUB CORNER MOUNTING BRACKET
	3753253L		1	LEFT HAND REAR TUB CORNER MOUNTING BRACKET
	3753351R		1	RIGHT HAND REAR TUB CORNER SEALING BRACKET
	3753351L		1	LEFT HAND REAR TUB CORNER SEALING BRACKET
<b>3). 6177811 CANOPY SEAL KIT 5M SMALL</b>	6602018		4	ALCHOL WIPES
	9009443		5M	BEDRAIL SEAL

## **SECTION 1: PREPARING THE VEHICLE TUB – REMOVAL OF SPORTS BARS, BED RAIL PLASTIC CAPS, CABIN GUARDS AND ROLL TOP TONNEAU COVERS**

1. Remove any sports bars fitted. Remove plastic side mounted tub rail bed caps on the vehicle tub for XLT or XL ( **!! Important !!- squeeze the plastic clips under the lip of the tub with long nose pliers before unclipping them to avoid distorting the sheet metal**). If fitting a canopy to a Wildtrack level vehicle with roll top tonneau cover, first undertake fitting instruction part number: **37801115** for Wildtrack 2022 Tub Preparation for Canopy.
2. The sports bar or roll top tonneau cover will need to be removed if fitted and returned to the customer if requested to do so.
3. Cargo Management System (CMS) side rail track accessory hardware does not need to be removed, refer to steps in this fitting instruction as partial hardware removal is required.
4. Bed liners do not require removal based on OEM supplied products.

## **SECTION 2: FITTING THE TAILGATE DOOR STOP SEALING ASSEMBLY**

	<p>2.0) Place tailgate in down position.</p>
<div style="display: flex; flex-direction: column;"> <div style="display: flex; align-items: center;">  <div style="border: 1px solid black; padding: 5px; margin-left: 10px;"> <p>SPRAY 665514R WITH SOAPY WATER</p> </div> </div> <div style="display: flex; align-items: center; margin-top: 10px;">  <div style="border: 1px solid black; padding: 5px; margin-left: 10px;"> <p>SPRAY CAVITY WITH SOAPY WATER</p> </div> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;"> <p>ANGLE REAR RUBBER BLOCK INTO CAVITY HOLE</p> </div> </div>	<p>2.1) Take right-hand rear tub rail sealing block (665514R) and spray with soapy water.</p> <p>2.2) Spray the rear corner hole in the top tub rail at the back of the vehicle with soapy water.</p> <p><b>AVOID- do not undertake a “dry fit” damage to components can result in tearing.</b></p>



2.3) Angle back the corner of the rubber clipping lip feature of the rubber block into the hole in the tub and slide the recess over sheet metal edge.



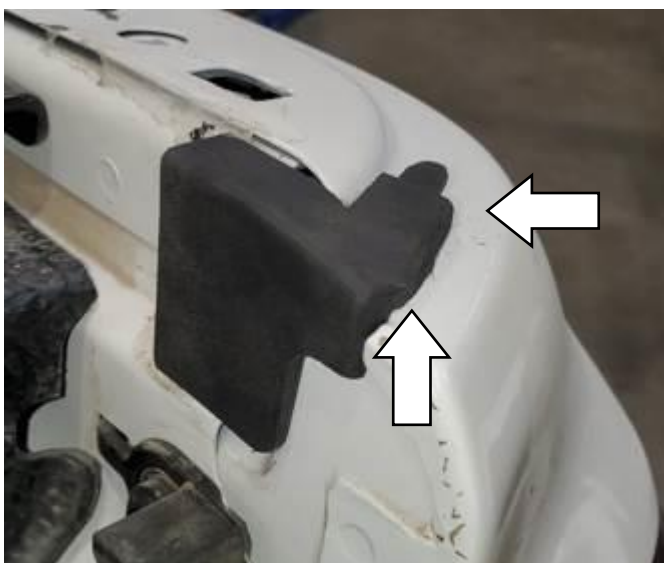
CHECK CLIPPING LIP IS UNDER TUB SHEET METAL

2.4) Work the clipping lip of rubber block under the tub sheet metal top skin, by pushing the block back and forwards and pushing it inwards.

2.5) Check the clipping lip is fully engaged in cavity by lifting the block up and checking.

2.6) Make sure rubber block is sitting neatly in cavity. The bottom face of block should be sitting flat on the vehicle's tub rail.

**Do both sides, using (665514L) for the left-hand side.**



CHECK BLOCK IS SITTING FLAT AND NEAT IN PLACE ON THE REAR TAILGATE END OF THE SIDE TUB RAILS



REMOVE 8  
SCREWS FROM  
THE TAILGATE  
LINER

2.7) If the tailgate plastic liner is present, remove the eight T20 Torx drive screws.

REMOVE TOP RUBBER  
EXTRUSION FROM  
THE TAILGATE



2.8) Remove the top rubber extrusion from the tailgate liner and discard it.

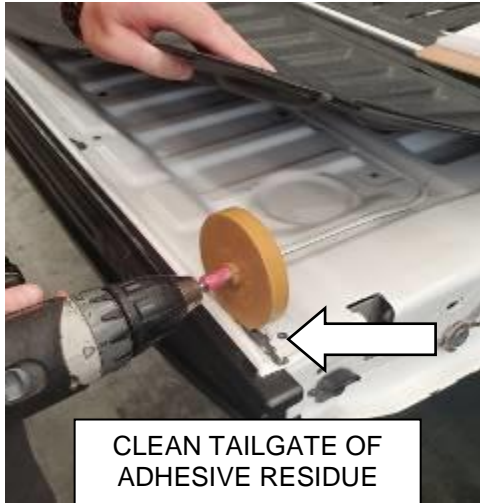
Leave the bottom rubber retaining extrusion in place.

Do not remove the tailgate liner from tailgate.



LEAVE THE LINER  
AND BOTTOM LINER  
RUBBER EXTRUSION  
IN PLACE





2.6) Remove any adhesive tape or adhesive residue from where the top rubber extrusion was fitted on the tailgate using a Caramel Wheel and wipe clean with Prepsol / wax and grease remover.



2.7) Use a 16mm drill bit and drill out the four holes along top of the tailgate liner by bending it clear of the sheet metal tailgate



2.8) Use a step drill or die grinder, to enlarge the top four holes in the tailgate liner to 21mm diameter. The hole needs to be large enough to fit through the spacers on the back side of the tailgate door stop assembly (668AQ027). This can be checked using spacer from the canopy hardware (6253421) temporarily.

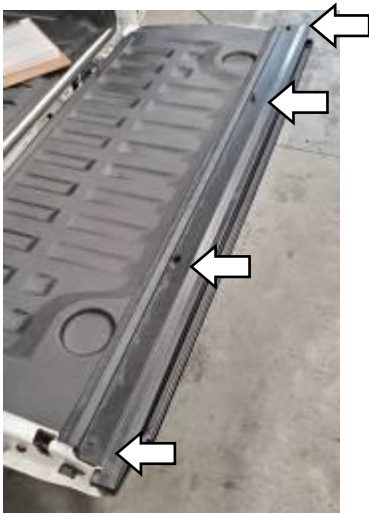




2.9) Reinstall 4 screws along the centre of liner.

**Tighten screws to 1.5 Nm.**

2.10) Discard the 4 screws along top of the tailgate liner.



2.11) Place the (668AQ027) door stop tailgate assembly on the tailgate and align the 4 screws to threaded holes on tailgate, **ensuring the spacers on the back of the assembly locate into the holes drilled in the tailgate liner.**

2.12) Finger tighten the four screws to start thread.

LOCATE x4 SCREW TO THREADED HOLES

FINGER TIGHTEN TO START THREAD

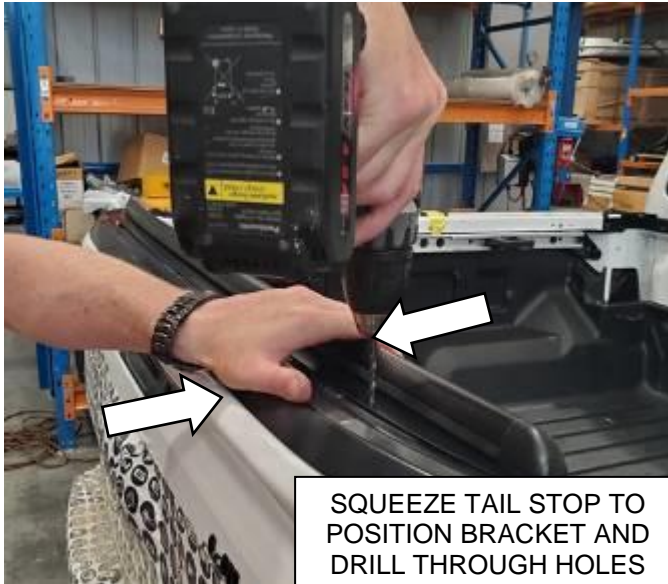


PUSH TAIL STOP DOWNWARDS WHILE TIGHTENING SCREWS

2.13) Push down on the tailgate door stop assembly in the direction of the arrow, to engage it with the top upper surface of the plastic OE tailgate cap while tightening screws.

**Tighten 4 screws to 1.5Nm with T20 Torx bit.**

**!! Be careful not to strip the screws !! If necessary, tighten by hand and use the torque wrench.**



2.14) Squeeze the tailgate door stop assembly up to the OE plastic tailgate cap to get good fit of the leading curved edge of the bracket on the door sealing stop assembly to the curved recess edge of the OE tailgate cap.

Using a 6mm drill bit set to a depth of 8mm, drill four holes through the existing holes in the tailgate door stop bracket through the plastic tailgate cap.



MAKE SURE FLANGE IS FLUSH WITH TOP SURFACE OF BRACKET (USE SOCKET TO PUSH IT DOWN)



PUSH CENTRE PIN DOWN TO SECURE FASTENER

2.15) Take four plastic scrivets (6152086) and insert them into drilled holes.

**Make sure the scrivet flanges are flush with top surface of bracket (use socket to push the flanges down) before pushing down the locking pins.**

**Tailgate door sealing stop fitting is now complete.**

### **SECTION 3: FITTING THE TUB SEALING BLOCKS**

Note: For clarity, the CMS side track rails has been removed from the tub.



3.1) Locate the open cavity under the upper front left-hand corner of the tub and clean with an alcohol wipe (6602018).



3.2) Take the left-hand foam block as per opposite from the pair of 668PB033.



3.3) With the grooved recess edge facing down, push the foam block up into cavity opening with recessed edge, with its short leg side to clip over the tub sheet metal edge on the front pillar cavity of the tub.



3.4) The foam sealing block is to be an interference fit with the underside of the side tub rail and fit firmly in place as shown. **Position the top edge of the foam block to avoid covering weld nuts in the tub.**



3.5) Use neutral cure non-acetic silicon to fill gaps and seal edges all around foam block and tub.



3.6) Silicon seal all around foam block as per picture.



3.7) On the right-hand side locate the electrical connector (**if fitted on Wildtrack models only for roll top tonneau covers**). Remove the clipping strap from the tub. Seal the open end of the connector by wrapping it in electrical tape and push the connector back through the open cavity hole and into the void of the front corner pillar.

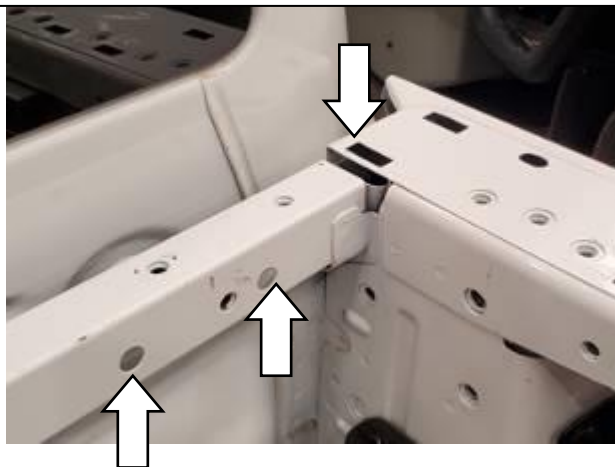
**Repeat steps 3.1 to 3.6 for sealing the tub using the right-hand tub corner sealing foam block.**

**SECTION 4: FITTING SEALS TO THE TUB, FRONT HEADER RAIL AND CANOPY SPACER SYSTEM.**

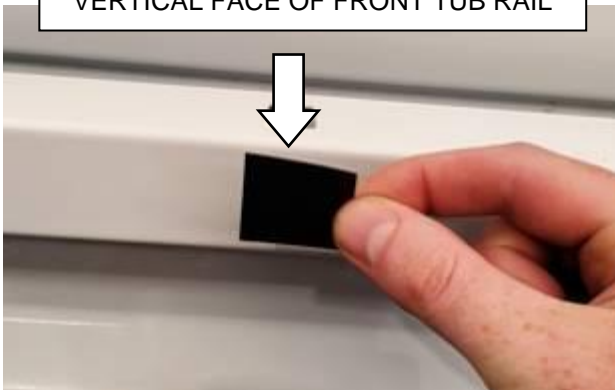


4.0) Use alcohol wipes (6602018) to clean the side top rails of the tub and front tub rail.

PLACE BLACK STICKERS OVER RECTANGULAR FRONT SIDE RAIL CORNER INNER HOLE AND TWO HOLES ON THE FRONT VERTICAL FACE OF TUB PER SIDE

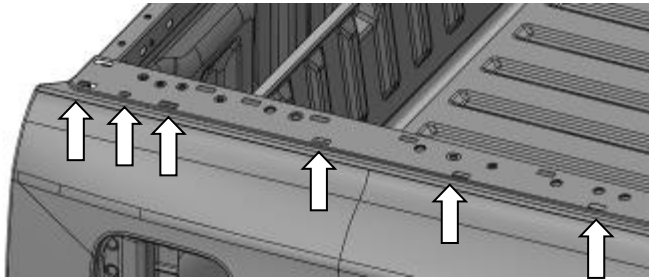


ONE STICKER OVER CENTRE HOLE IN VERTICAL FACE OF FRONT TUB RAIL



4.1) **Ensure the sheet metal work in the front corners of the tub and along the 6 holes on the outer edges of the tub are not distorted by previously removing side bed rail cap covers. Straighten this if required to get a flat level surface.**

Place 7 black sticker squares in total (668PB006) (which come as a pair of squares per backing sheet), over the holes in the front of the tub as shown on both sides of the vehicle's tub.



4.2) Use one roll of clear 30mm wide tape (665037) per side and cover the first 6 rectangular holes from the front along the outside edge of the side tub rails.

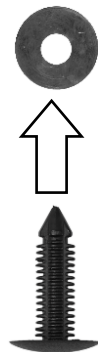
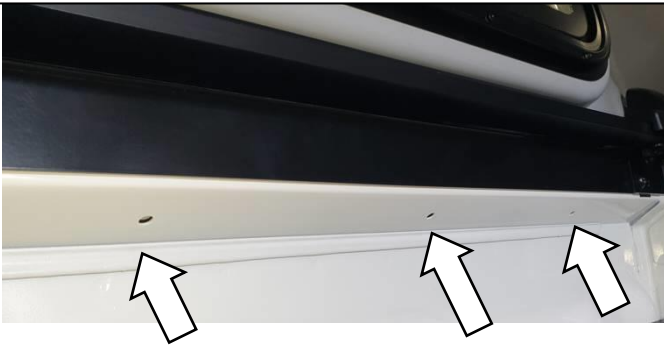
4.3) Cut the tape after sixth hole is covered and retain what is left on each roll for later use in step 4.5.

4.4) **Use firm pressure (or a roller) to apply the tape ensuring it seals to protect against water entry around each of the rectangular holes.**

**Do both sides of the top tub rails.**



6 HOLES UNDER THE FRONT TUB RAIL TO BE SEALED IF BEDLINER IS REMOVED



- 4.5) Under the front tub rail, the angled face of the vehicle's tub has six holes **if a bedliner is removed or is not present**. The 6 holes in the tub need to be sealed. Over 6 fir tree clips (6152128) assemble rubber washers (4584435) under the head of the fir tree clips. Then install them into the vehicle's front tub rail holes



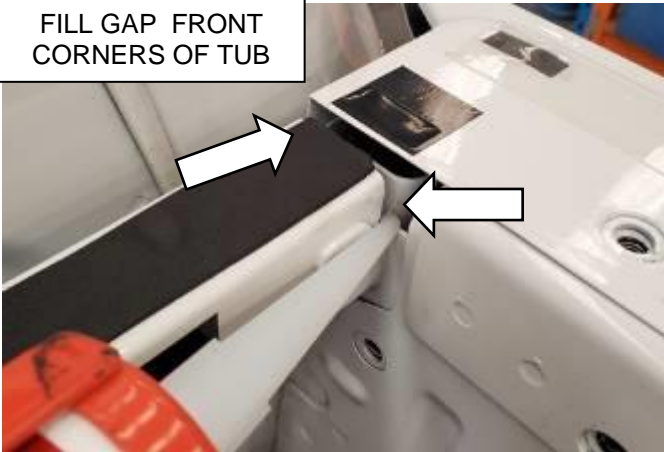
CUT ONE END TO LENGTH TO BUTT UP TO SIDE TUB

- 4.6) Assemble adhesive foam tape (668PB018) and mate the starting edge tightly against the side tub rail and run it along top face of the tub front rail, centrally. Ensure the holes in the upper surface of the front tub rail are covered and well-sealed by the foam tape. Cut the tape to length and mate the end up to the side tub rail on the opposite side.

FILL GAP UNDER  
FRONT TUB RAIL  
AND FRONT  
CORNER HOLES



FILL GAP FRONT  
CORNERS OF TUB



MAKE SILICON  
SMOOTH AND NEAT



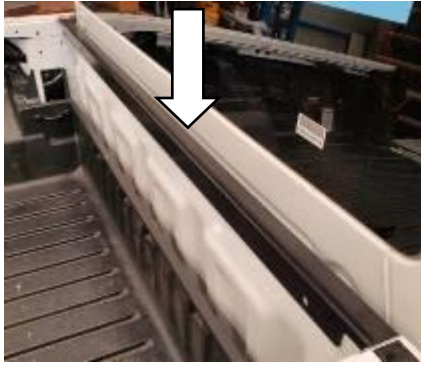
4.7) Spray the tub with a water film. Apply clear neutral cure silicon to fill the gap under the front corner of the front tub rail and front corner holes on both sides to obtain a water seal.

4.8) Use clear neutral cure silicon to fill the gap between the tubs' front rail and side tub rails.

Make smooth and neat, wipe off any excess and allow it 10mins to skin cure.

Do both sides of the tub.

**!! IMPORTANT !!**  
**The above steps are imperative to ensure the tub is water sealed in the front tub corners.**



- 4.9) Place the front mount rail bracket (668PD156) over the front tub rail. Align the bracket to center and align it with the with threaded holes in the front face of the tub on each side.

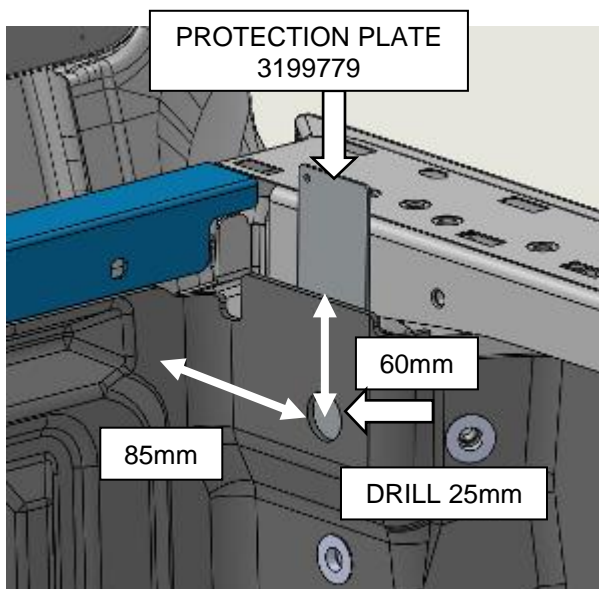
**Ensure there is an even gap between the ends of the bracket to the side rails of the tub.**



(6151681) M8x35 BOLT  
(4581085) M8x19x1.2mm  
WASHERS

- 4.10) Install two M8 x 30mm hex head bolts (6151681) and washers M8 x 19 x 1.2mm (4581085) each side of the front mount rail.

**Tighten by hand only. (These will be removed again later)**

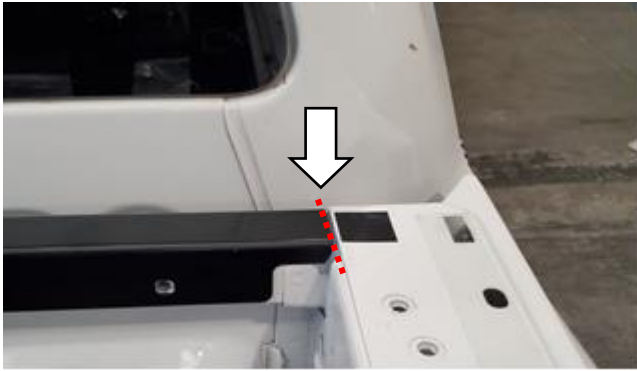


- 4.11) **If the tub is fitted with a XL or XLT bed liner**, a 25mm diameter hole will need to be drilled. Measure 60mm down from top edge of the bed liner and 85mm from front inner face of liner to mark the centre.

Place the steel protection plate (3199779) behind liner taped with masking tape to the sheet metal at the top to the protect tub from the drill.

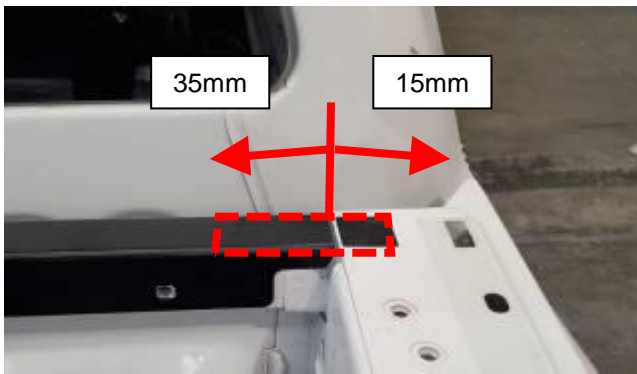
This hole will be used to gain access to the M8 threaded hole behind to allow fitting of the front corner bracket in the next step.

**Do both sides of the bed liner.**



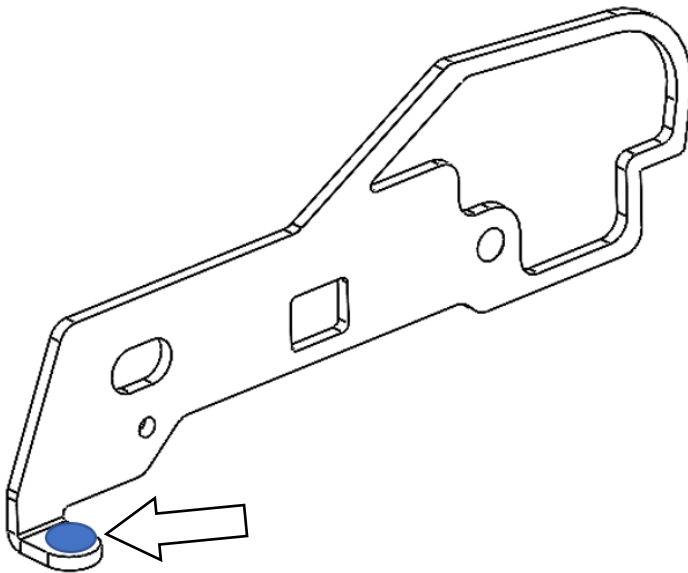
4.12) Apply neutral cure silicon to the ends of the front mount rail bracket both sides, to fill the gaps between the bracket and the side tub rails.

**!! IMPORTANT !! Clean surrounding surfaces well using an alcohol wipe (6602018) to remove silicon from surrounding surfaces at the join.**

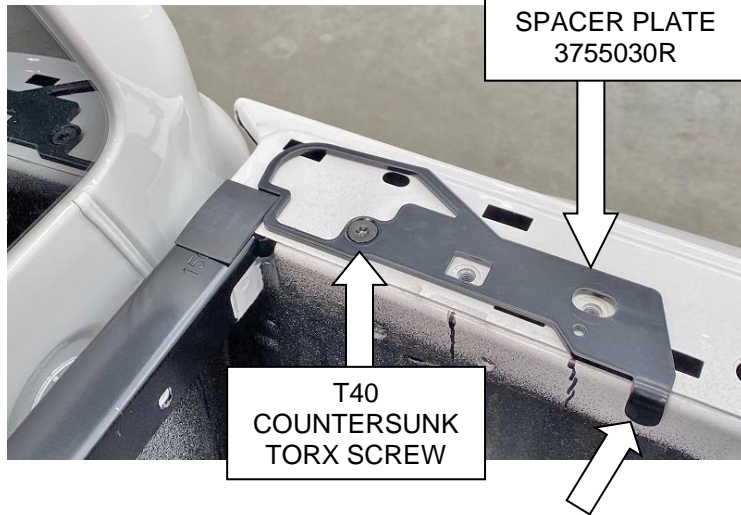


4.13) Follow the directions written on the primer stick (665044) prime the front mount rail and the tub over the black sticker, to the width of the front header rail bracket to 15mm onto the side of the tub and 35mm onto the front header rail bracket.

**Do this on both sides.**



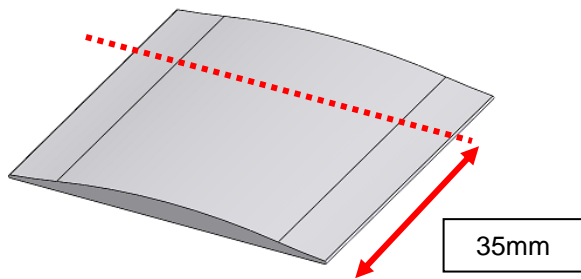
4.14) Take the front tub corner spacer plates (3755060R/L) and place one bumpon clear circular pad (665076) to the tag on the brackets as shown.



4.15) Install front tub corner spacer plates (3755060R/L) with the curved edges outwards to the front of tub with a T40 Torx M8 x20 screw, (6151911) and ensure the leg of the bracket with the bumpon is pushed hard up to the internal lip of the vehicle's tub.

**Tighten to 20 Nm.**

**Do both sides.**



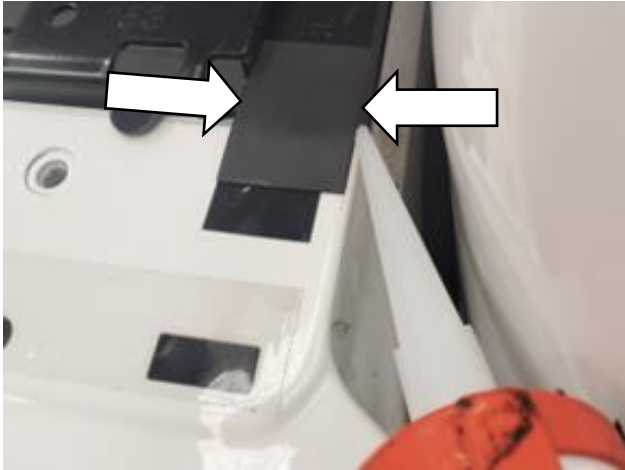
4.16) Cut a pair of rubber tub bridge seals (668PM005) down to 35mm width as shown.



4.17) Apply to either end on top of the front mount rail the cut down bridge seal (668PM005), by removing the backing paper off the adhesive side and sticking it down to align against the front inner corner edges of the (3755060R/L) front tub corner spacer plates. The ramp curved profile should go between the front header rail and the side of the tub as a "bridge".

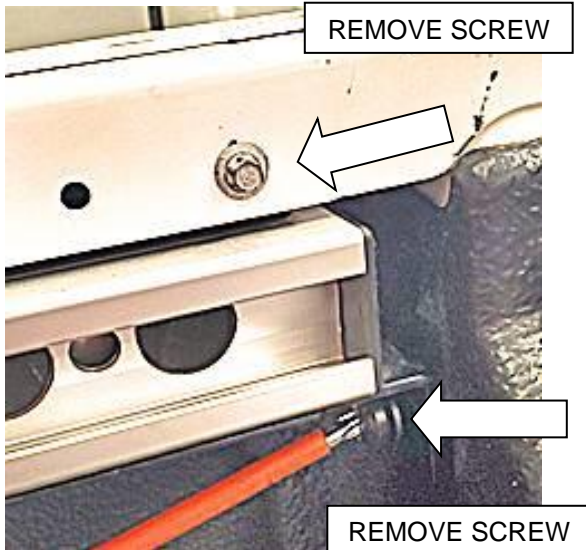
**!! IMPORTANT !!  
POSITION THE SEAL BRIDGE  
EXACTLY AS SHOWN OR FRONT  
CORNER WATER LEAKS COULD  
OCCUR**

APPLY SILICON TO EACH SIDE OF BRIDGE FRONT AND BACK



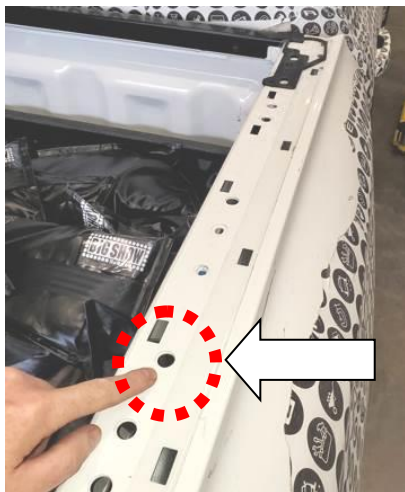
4.18) Apply clear neutral silicon to the edges of bridge seal as shown. Wipe clean and make neat.

REMOVE SCREW

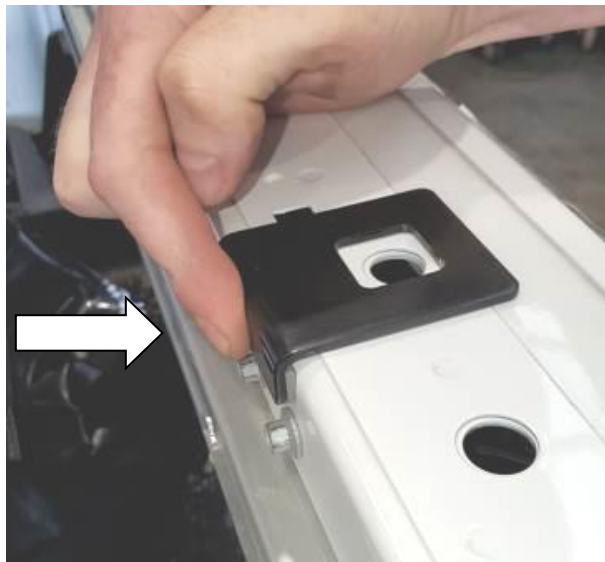
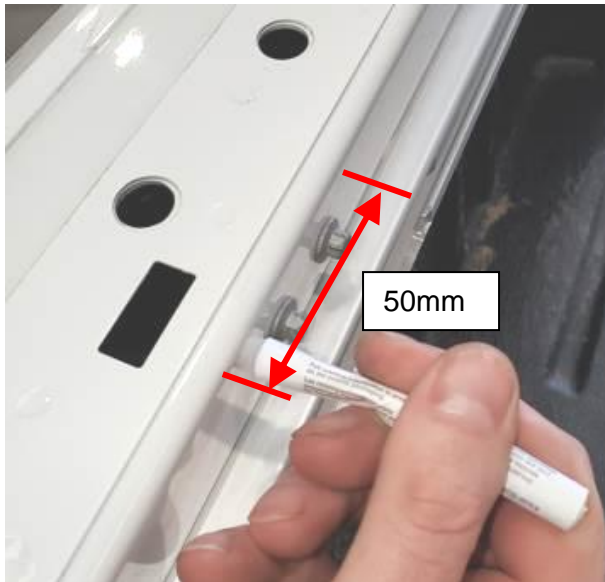


4.19) **If CMS cargo tie down rails are fitted**, on the right-hand rear corner of the inner tub lip, remove the top screw and discard it. Under the rear bracket of CMS rail use a T40 Torx drive to remove M8 screw and discard the lower screw.

**Repeat on opposite side of tub.**



4.20) Locate the round open hole in the centre top of the side tub rail.

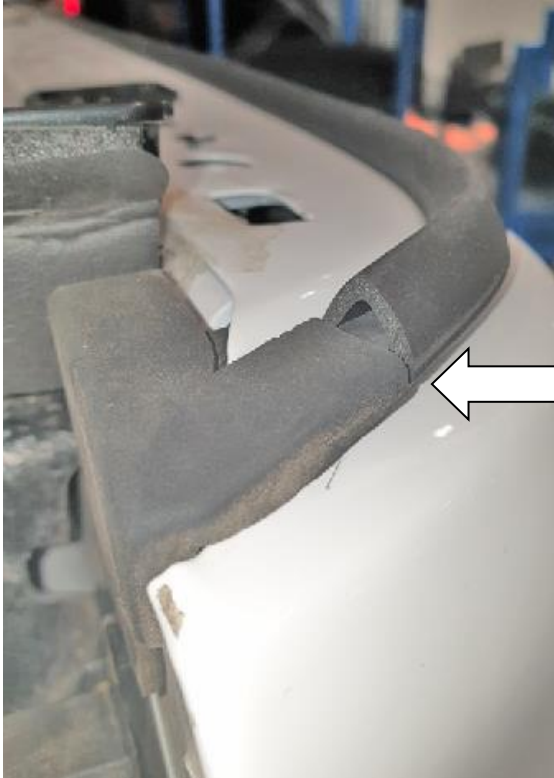


4.21) Apply primer to vertical surface of tub lip adjacent to the round hole. **Allow primer to dry.**

4.22) Remove the tape liner from adhesive strip on the mid tub spacer bracket (6600044) and fit to the tub over the round hole with the tape firmly pressed against the side of the tub lip

**Do both sides of the tub.**

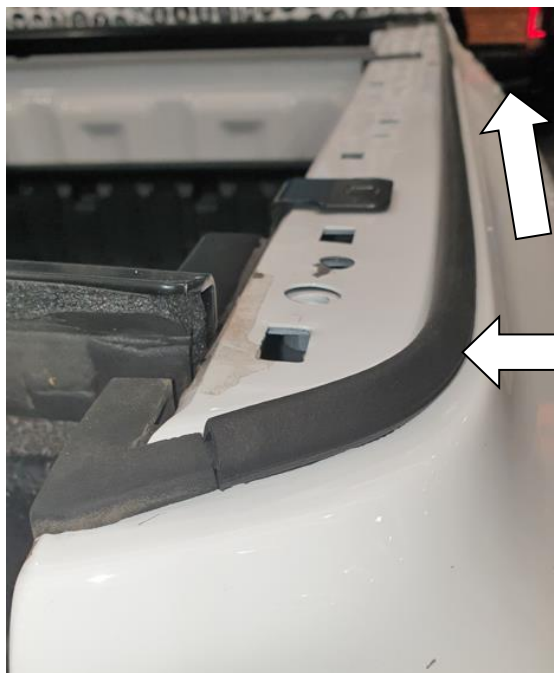
## SECTION 5: FITTING THE TUB BED SEALS BEFORE THE CANOPY IS FITTED



THIS SIDE TO THE  
OUTSIDE OF THE  
VEHICLE

5.0) From the seal kit (6177811), clean the top of the vehicle's side tub rails down using alcohol wipes (6602018) out of the seal kit and allow to dry. Starting on the right-hand side, apply the bed seal rubber extrusion (9009443) in the orientation as shown.

Ensure the seal is aligned to the inner edge of the recess of tub side corners and threaded firmly onto the tag coming out of the right-hand rear tub rail corner sealing block and seated to the back of the tag of (665514R) with no gap.



5.1) When applying the seal forward along the sides of the tub, ensure the seal inner edge is aligned with the rear of the stepped recess in the tub sheet metal and run up to where the right-hand front spacer plate (3755060R) is fitted in the front right-hand corner.

**Apply the seal with firm pressure evenly along the length using a printing roller, as the tape must "wet-out" and seal well to the tub surface.**





5.2) Over the rubber seal bridges (668PM005) on both front corners of the tub, apply the primer stick (665044). (Break the vial at the dots by squeezing and wet out the felt tip to apply the primer).

**Allow the primer to dry before applying the seal.**



5.3) When applying the seal around the right-hand front spacer plate (3755060R) align the inner edge of the seal against the curved profile of the bracket.

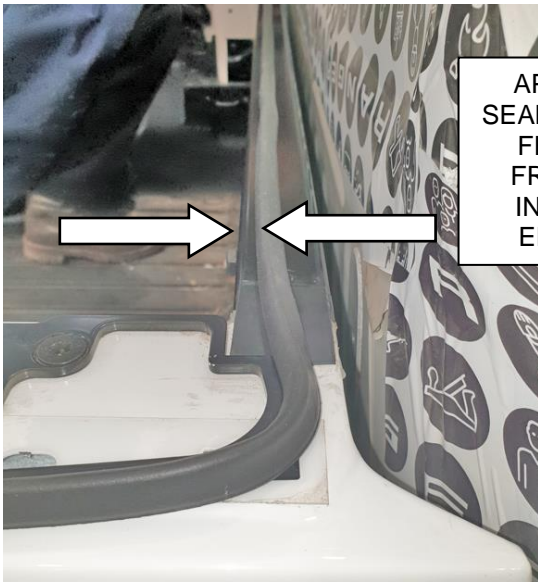
**Apply the seal with firm pressure evenly along the length, as the tape must “wet-out” and seal well to the tub surface.**



5.4) Curve the seal **without puckering** around the front corners and apply it over the rubber bridge seal.

**Ensure the double-sided tape on the seal goes up the ramp of the tub bridge and is not stepped up across the corner of the tub bridge, which could cause water leaks.**

**Apply firm pressure to the seal over the tub bridge rubber extrusion.**

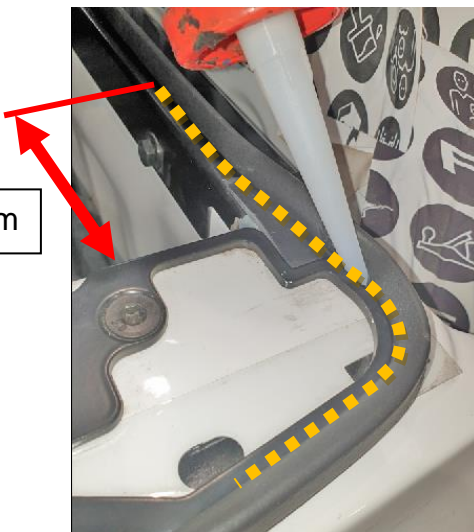


5.5) Apply the seal along the front head board bracket aligned at 10mm offset between the inner edge of the seal and the inner edge of the head board rail.

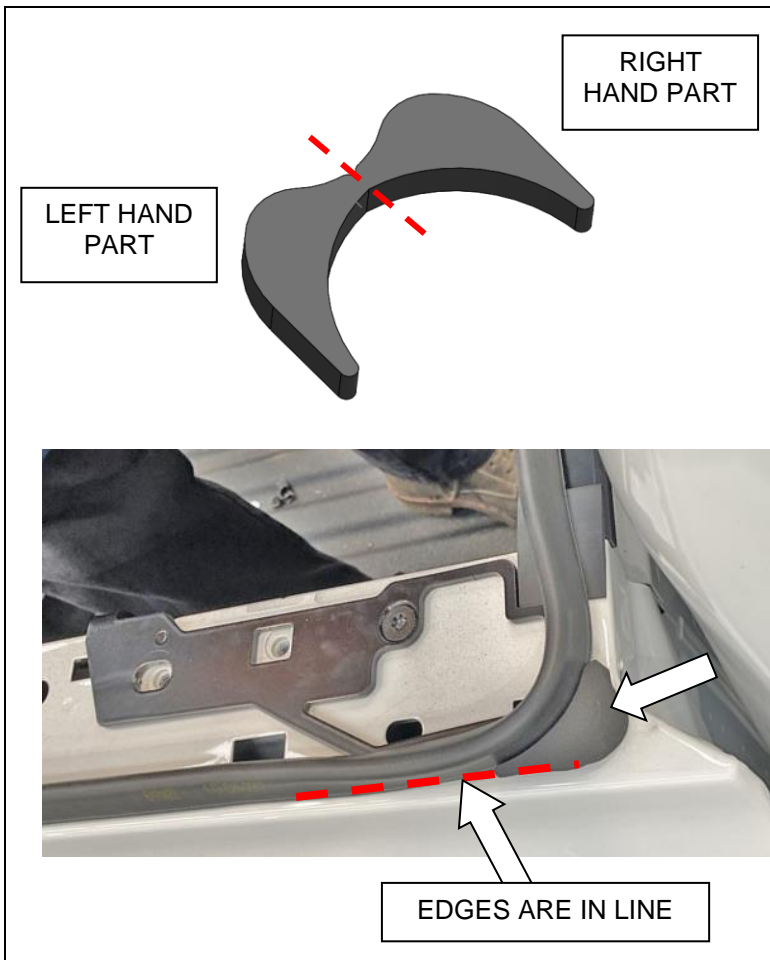
**Apply the seal with firm pressure to the front head rail using a printing roller.**



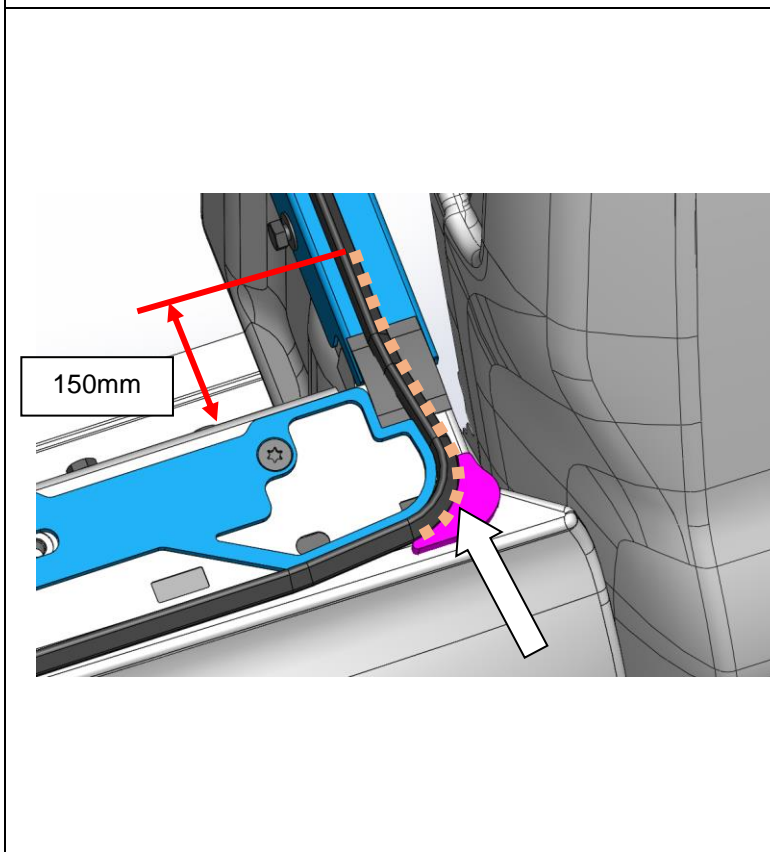
5.6) Finish applying the seal to the other side of the tub and trim the opposite end and slide it onto the tag of the left-hand rear tub rail sealing block (665514L). Ensure the seal is aligned to the inner edge of the recess of tub side corners and threaded firmly onto the tag coming out of the rear tub rail corner sealing block and seated to the back of the tag of (665514L) with no gap.



5.7) Apply clear neutral cure silicon to on the inner side of the seal in between and against the spacer plate brackets. Apply silicon on the inner side seal for 150mm in length across the head board rail bracket. Carefully, clean off excess with a rag applied sparingly with silicon remover or wax and grease remover.

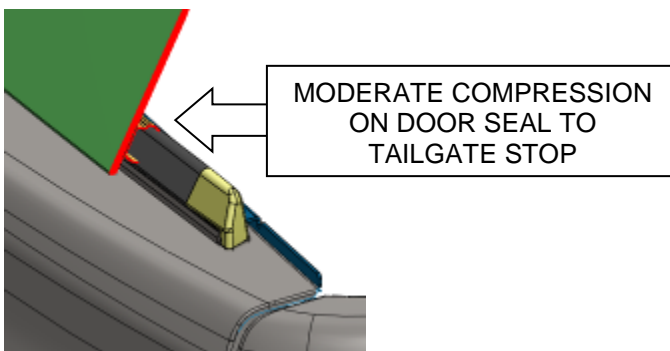
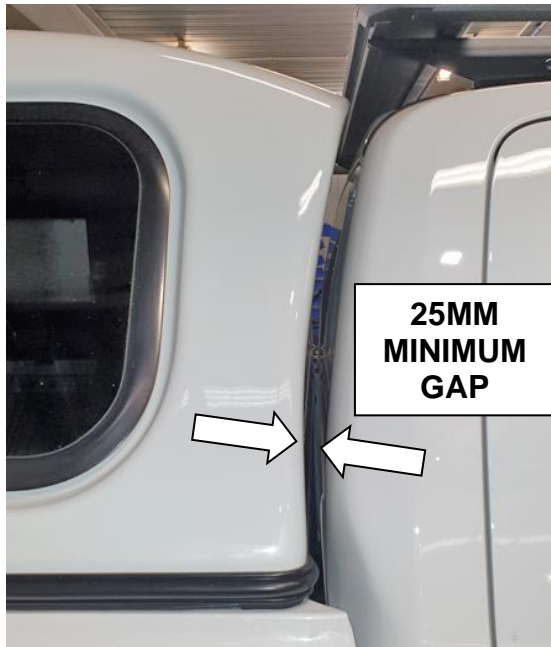


5.8) Split the pair for front corner foam seals (665082) and remove the backing paper and apply them to the front corners of the tub with the adhesive face down, so the outside edge of the foam pads are in line with the outside edge of the bulb seal (9009443) on each of the front corners of the tub.



5.9) Apply clear neutral cure silicon to the outside of the bulb seal between the front corner foam seals (665082) and the bulb seal and also 150mm across the front header rail on both sides of the tub. Carefully, clean off excess with a rag applied sparingly with silicon remover, or wax and grease remover.

## SECTION 6: FITTING THE CANOPY



- 6.0) Close the vehicle's tailgate. **Lift the canopy onto the vehicle with 2 people.** Avoid dragging the canopy on the seals mounted on the tub as this could dislodge them and disturb silicon sealing on the front corners of the tub. Lift and place the canopy down onto the vehicle's tub. **Ensure it is aligned across the width centrally to the vehicle at front and back.**

**Check minimum gap from canopy front pillars and cabin is 25mm.**

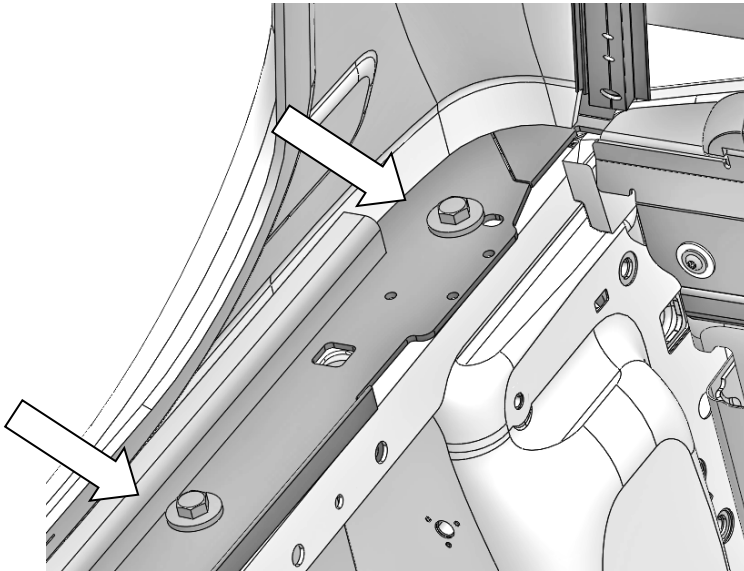
- 6.1) Open the canopy door and vehicle tailgate.

**Centre the canopy evenly left and right on both sides to the tub to by measuring the gap between the door frame to the plastic cap on the tailgate.**

Close the tailgate and door.

**Check the pressure on the lower glass door seal to the tailgate door stop assembly is moderately compressed, but not fully compressed to provide a seal on the lower edge of the door.**

Ensure the gap between the door glass and the door frame on the sides is even, and between 6 and 4mm.



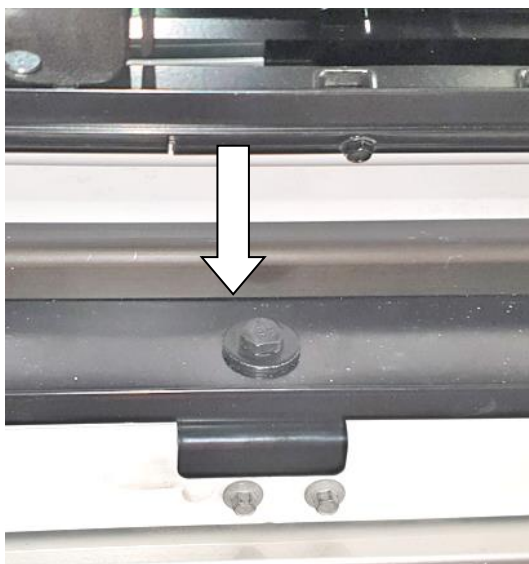
6.2) With the canopy centred and door gaps even to the glass, locate the three square holes in canopy base rails on the inside, right-hand side of the canopy. Loosely assemble two M8x35 Hex Bolts (6151681) with M8x25.4x3mm thick washers (4581303) down in through the canopy base rail, in the first and third square holes only.

**Repeat on opposite side of the canopy.**

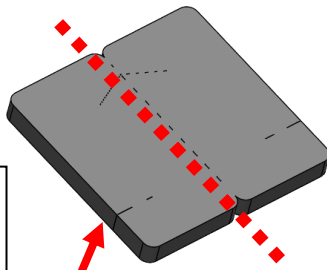
**Tighten all the M8 bolts to 20Nm.**



6.3) **!!IMPORTANT!!** Ensure the gap between the lower door glass edges to the top of the tailgate **is greater than 6mm and even left to right.** If it is not, the canopy will need to be packed up with washers at the bolting points in the above step. Avoid packing it up too high where the bed seal may not seal to the canopy's base rails.

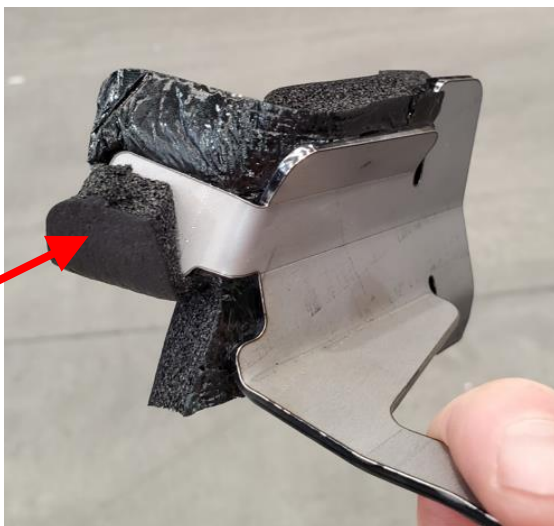
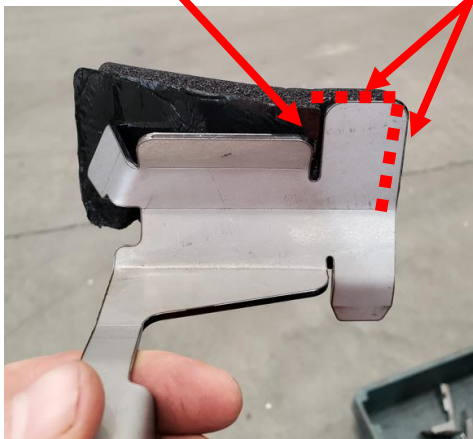


6.4) Locate the square holes in the middle of the canopy's base rails. Fit M8x35 Hex Bolts (6151681) with M8x25.4x3mm thick washers (4581303) down in through the canopy base rail and fit a M8 flange nuts (6151548) up from underneath using an extension bar and 13mm socket **and tighten to 20Nm both sides.**



STRAIGHT  
PARALELL  
SPLIT IN FOAM  
TO INNER  
EDGE TOP TAB  
ON BRACKET

ALIGN EDGES OF FOAM  
PAD TO BRACKET



6.5) Separate the tailgate sealing foam tape pad (665081) in half. Remove the backing paper on one side.

6.6) Adhere right-hand and left-hand foam pad to rear corner tailgate sealing bracket (3753351R/L) respectively. (Shown opposite is the right-hand bracket with the foam pad assembled)

6.7) Align the foam to the top tab edge and inner edge of bracket as shown. Push it firmly into all the folded corners of the bracket.

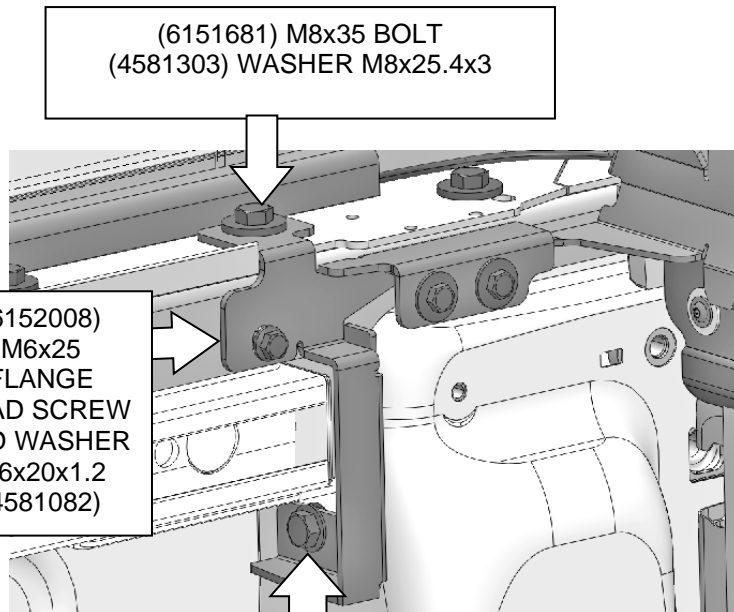
6.8) Wrap the foam pad (at the angular split in the foam) under the edge of the angular tab on the bracket and adhere it to the other back side of the tab.

**Assemble both hands of bracket in this manner.**



6.9) Preassemble the rear tub mount bracket (3753253R) over the top of the right-hand rear corner tailgate sealing bracket's arm with weld nuts (3753351R) using two M6 x 20 bolts (6151213) and M6 x 20 x 1.2mm washers (4581082). Do these up finger tight through the outside slots of the rear corner mount bracket (3753253R).

**Do the above for both sides using brackets 3753253L and 3753351L for the left-hand assembly.**



(6151681) M8x35 BOLT  
(4581303) WASHER M8x25.4x3

(6152008)  
M6x25  
FLANGE  
HEAD SCREW  
AND WASHER  
M6x20x1.2  
(4581082)

(6151681) M8x35 BOLT  
WITH (4581085) WASHER  
M8x19x1.2  
SCREW TO BOTTOM  
BRACKET

6.10) **If CMS cargo tie down rails are fitted**, locate the right-hand rear tub mount bracket (3753253R) over the top of the right-hand rear canopy base rail and position the lower end of the bracket to meet up to the face of the bracket supporting the CMS track at the bottom.

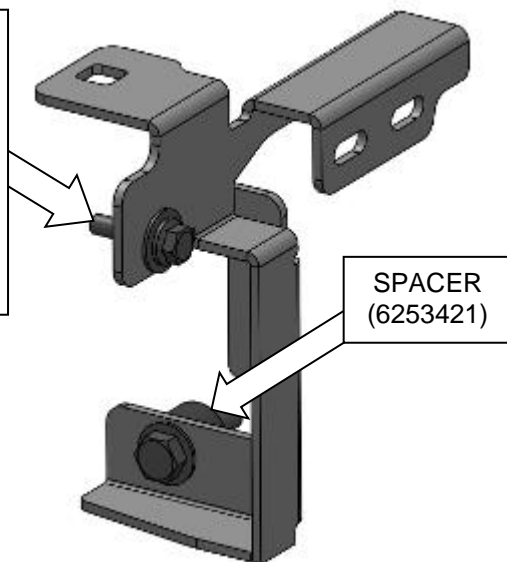
6.11) Use M8x35mm bolt (6151681) and washer M8x19x1.2mm (4581085) and install them to the bottom threaded hole.

6.12) On the top install M8x35mm bolt (6151681) with M8x25.4x3mm thick washer (4581303) and M8 flange nut (6151548) up from underneath using an extension bar and 13mm socket.

6.13) Use Hex flange head M6x25 screw (6152008) and washer M6x20x1.2mm (4581082) on top hole in the bracket  
**Tighten M8 bolts to 20Nm.  
Tighten M6 bolts to 9Nm.**

**Do all steps above on left side using bracket 3753253L.**

M6x25 HEX  
FLANGE HEAD  
SCREW  
(6152008) WITH  
WASHERS  
(4581082)  
M6x20x1.2 AND  
M6 NYLOC NUT  
(6151223)

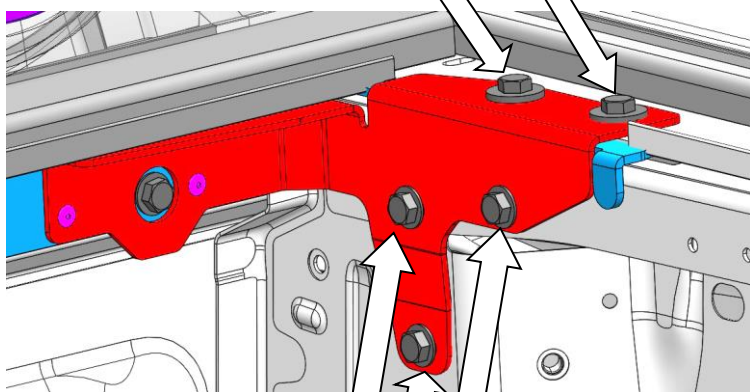


6.14) **However, If the CMS cargo tie down rails are NOT present** in the tub, use the 20mm x 13.5mm thick spacer (6253421) for bottom bracket fixing hole to the rear tub pillar. **Tighten to 20Nm, (referring to step 6.11 above). Include step 6.12.**

6.15) At the top of the bracket use Hex flange head M6x25 screw (6152008) and washer M6x20x1.2mm (4581082) on top hole in the bracket and on the inside of the tub lip fasten with washer M6x20x1.2mm (4581082) and M6 nyloc nut (6151223) **and tighten to 9Nm.**

**Do both sides.**

(6151681) M8x35 BOLT  
(4581303) WASHER  
M8x25.4x3



(6151681) M8x35 BOLT  
WITH (4581085) WASHER  
M8x19x1.2  
SCREW TO BOTTOM  
BRACKET

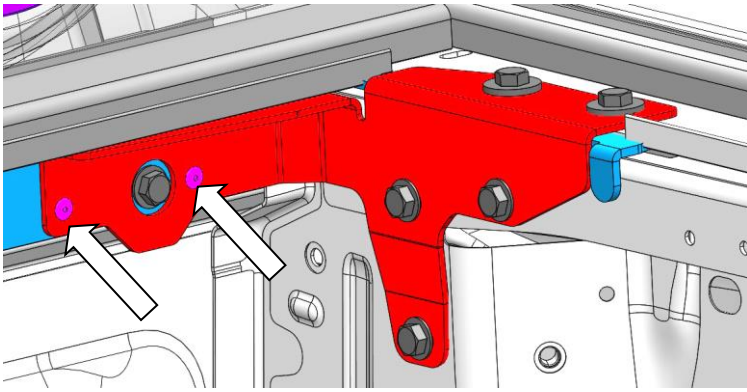
6.16) In the right-hand front corner of the tub locate the front tub mount bracket (3755059R) over the top of the canopy's side base rail. Push the front face of the bracket forward to meet the front mount rail (668PD156). Loosely fit two M8x35 Hex Bolts (6151681) with M8x25.4x3mm thick washers (4581303) down through the top of the bracket.

6.17) On the sides of the corner bracket fasten it to the tub using three M8x35mm bolts (6151681) and washers M8x19x1.2mm (4581085)

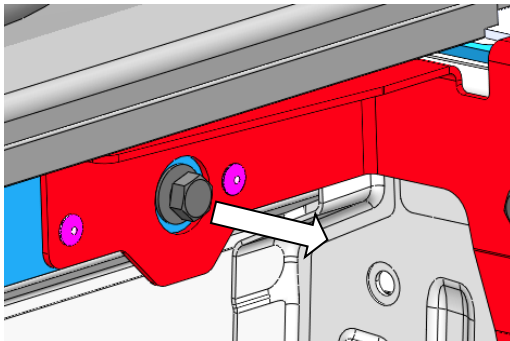
6.18) **Complete the left-hand side using the opposite bracket (3755059L).**

**Tighten all M8 bolts to 20Nm.**





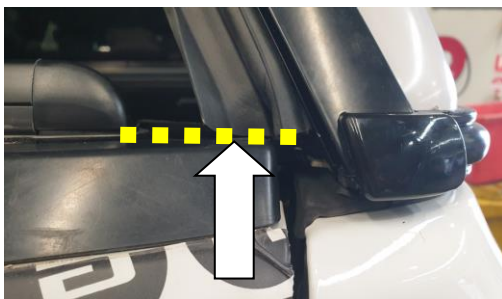
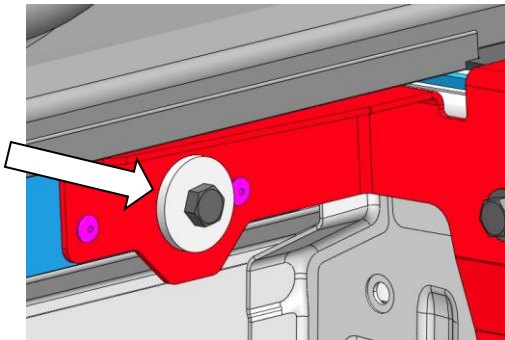
6.19) Using a 5.2mm drill bit, drill through the holes in the front corner brackets, through the front header rail bracket (668PD156). Apply rust inhibitor (665505) to the holes and assemble rivets (6609087) two per side.



6.20) Undo the bolt that holds the front mount rail in place through the hole in the front corner bracket, Discard the small washer M8x19x1.2mm (4581085). Reinstall the bolt with the M8 x 34 x 6mm large washer under its head (3195582).

**Torque to 20Nm**

**Repeat on the left-hand side.**

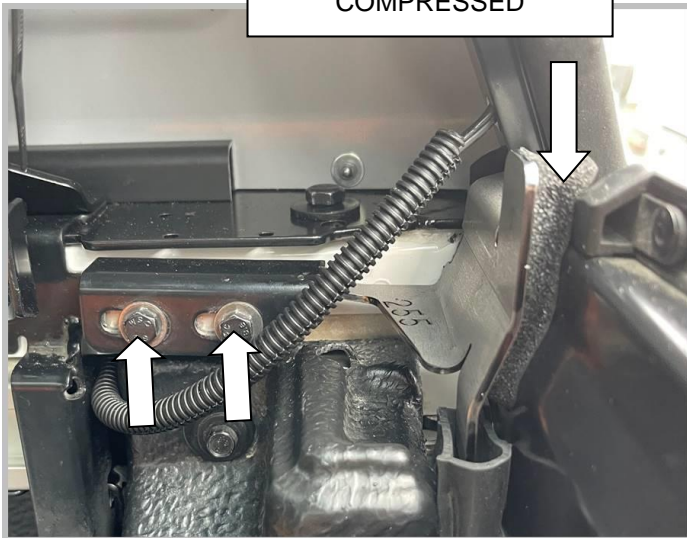


6.21) Cut the lower door frame seals in line with the top of the tailgate on both sides of the door so they just miss the top of the tailgate when opening so these do not foul on opening of the tailgate.





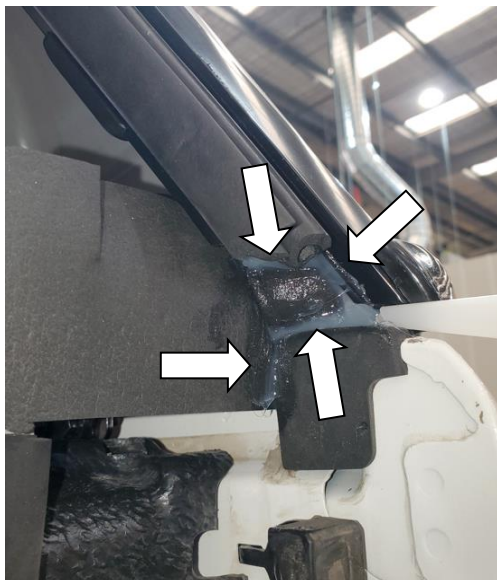
2/3 THE THICKNESS OF  
FOAM TO BE  
COMPRESSED



6.22) Close the vehicle tailgate and pull the rear tub corner sealing brackets against the tailgate door stop assembly until the sealing foam is compressed to three quarters of the expanded thickness.

**Tighten the M6 Bolts to 9NM.**

**Do both sides.**

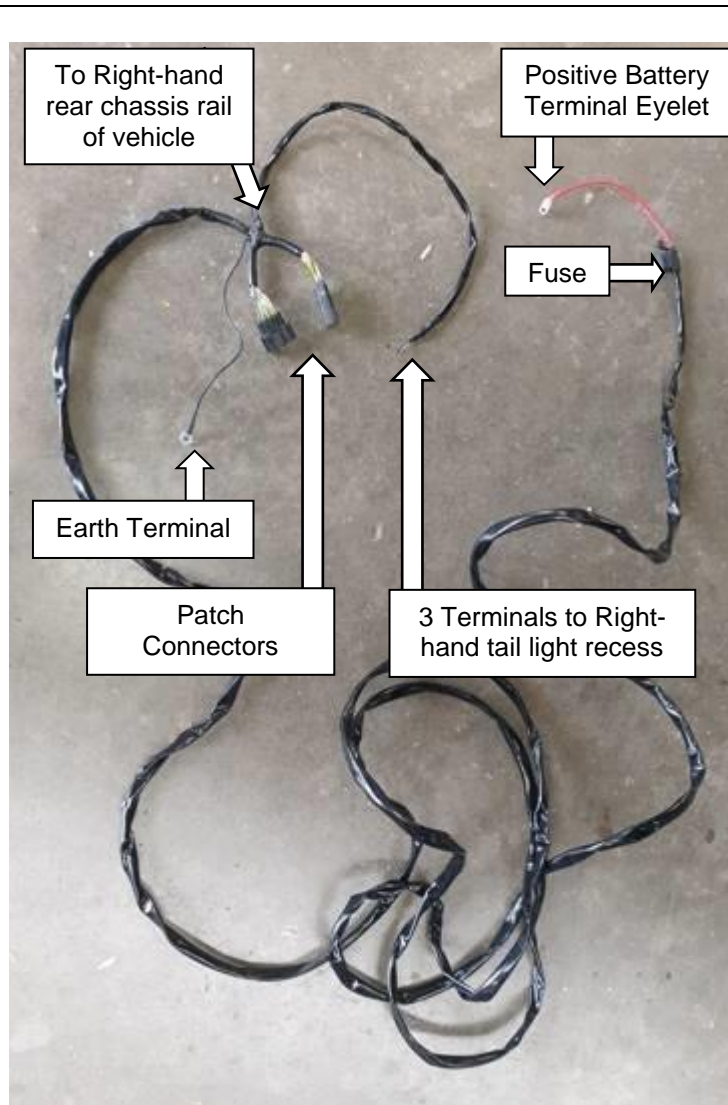


6.23) With the tailgate down and door open, apply neutral cure silicon up into the rear corner tailgate sealing bracket areas. Silicon seal between the door frame and canopy base rail and the sealing face of the tailgate sealing bracket foam pads to the rubber rear tub rail seals (665514R/L). Clean up excess and smooth the silicon down.



6.24) Silicon seal also the split in the foam as shown

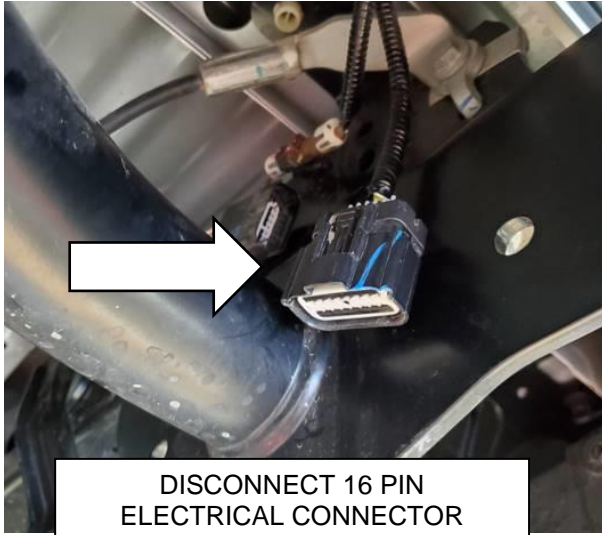
## SECTION 7: WIRING THE CANOPY



7.0) Unpack the canopy loom (666010) from fitting kit.



- 7.1) Put the car on hoist and start at the underside rear right-hand corner of the chassis rail.
- 7.2) Locate and disconnect the 16 pin OE connector that is located on the Right- Hand chassis rail.



DISCONNECT 16 PIN  
ELECTRICAL CONNECTOR



CONNECT LOOM TO VEHICLE'S  
CONNECTORS



ON XL,XLS,XLT, WILDTRACK

FASTEN EARTH TERMINAL TO M6 SCREW  
ON CHASSIS

7.3) Connect the (666010) canopy loom patch harness between the two vehicle's connectors. Position the connectors over towards the top of the chassis rail.

7.4) **ON XL, XLS, XLT, WILDTRACK ONLY**  
Locate the earth screw on right-hand chassis rail on the outside of the rail and undo it with an 8mm socket.  
  
Reinstall the M6 screw with earth eyelet attached from the (666010) canopy loom.

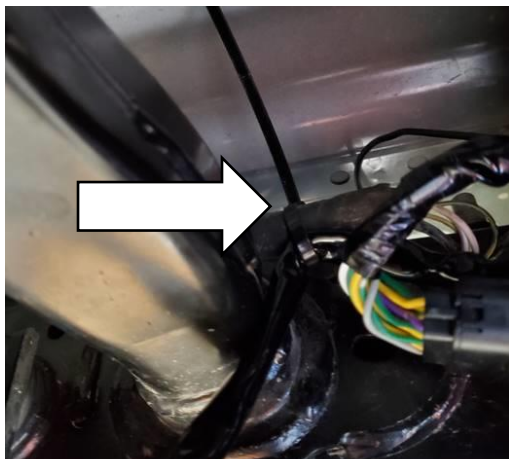
**ON RAPTOR**



FASTEN EARTH TERMINAL USING M6 SCREW FROM KIT ON CHASSIS RAIL TO INSIDE

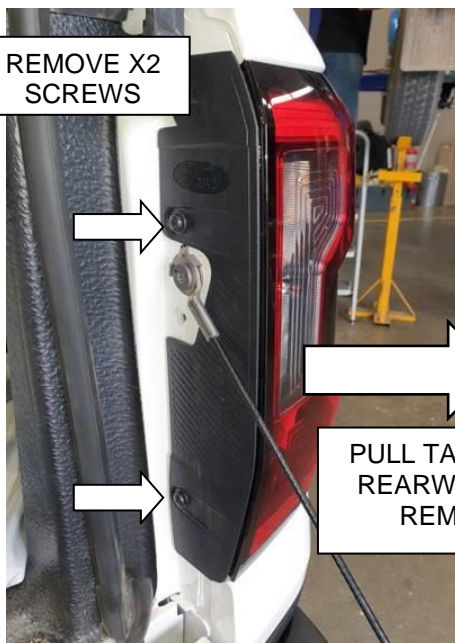
**7.5) ON RAPTOR ONLY**

Locate the M6 weld nut on the inside of the Right-Hand chassis rail next to the spare tyre. Install (6152008) Hex flange head M6x25 screw through the earth eyelet on the (666010) canopy loom and secure it to the chassis rail and torque to 9Nm.



CABLE TIE LOOM AT REAR CORNER ON TOP OF CHASSIS RAIL

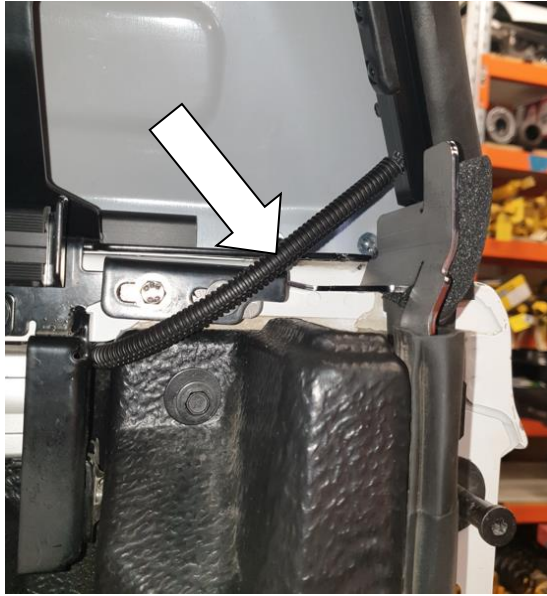
7.6) Use a cable tie (180302) and tie off the canopy loom to the vehicle's loom at the right-hand corner of chassis where the cross member goes across the vehicle.



REMOVE X2 SCREWS

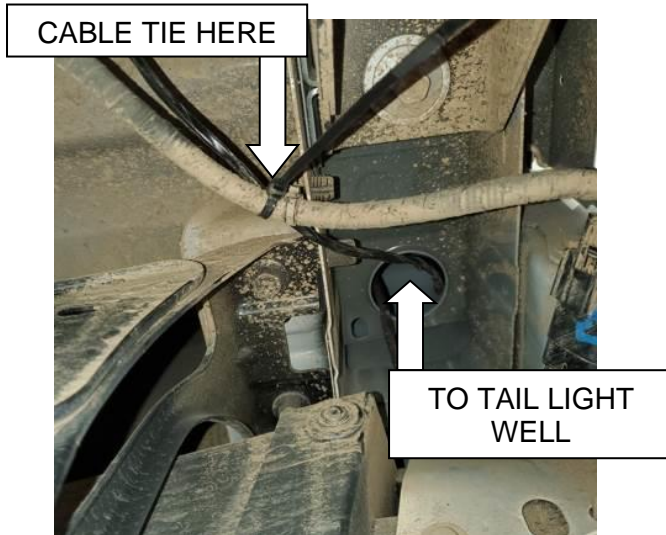
PULL TAIL LIGHT REARWARD TO REMOVE

7.7) Undo the two T30 Torx screws holding the right-hand rear tail lamp assembly to the rear of the tub. Pull the light assembly rearwards to remove it from the tub.

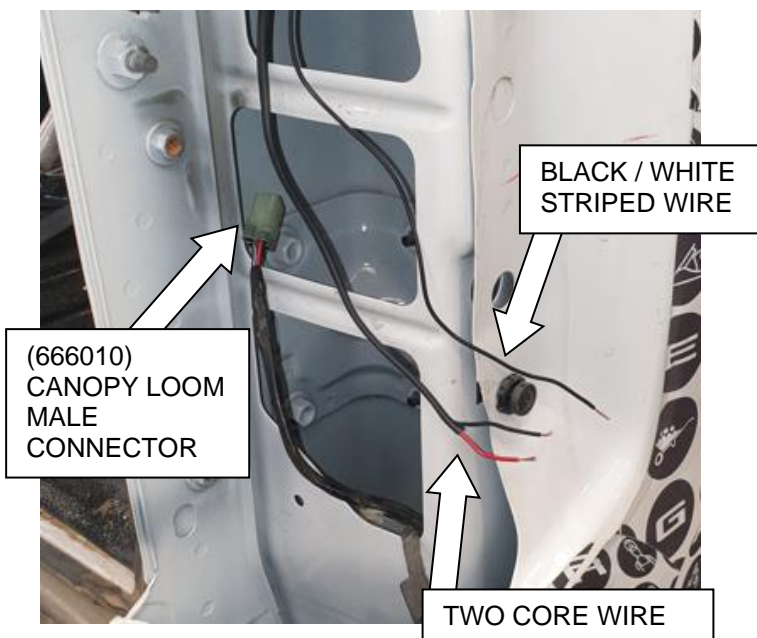


7.8) Run the two-core sheathed wire (RED Positive BLACK Negative) and Brake Light (BLACK / WHITE striped single-core positive wire) that exits from the right-hand side of the lower door frame, through a 250mm length of split convoluted 7mm diameter tube (6821135).

7.9) Feed the loom with convoluted tube behind the rear tub mount bracket up under the right-hand side tub rail and down into the tail light recess. Fit the other end of the convoluted tube to the canopy's door frame lower hole.



7.10) Cable tie the canopy loom to the vehicle loom adjacent to the right-hand hole beneath the tail light recess. Thread the male connector on canopy loom up into hole into the vehicle's right-hand tail light well.



7.11) Once the wires from the door are threaded through to the tail light recess, cut the two-core wire the same length as the BLACK / WHITE striped wire and ensure they able to reach the male connector on the 666010 loom.



7.12) Strip the ends of all three wires to 12mm and double the bare wire strands over and twist them together on each wire. Slide on the rubber seals from the loom kit with the shanked ends towards the bare end of the wires and crimp on the blade terminals.



7.13) Take the female connector from the patch loom kit (666010) and assemble the three wires into the back of the female connector. They should click into the lugs inside the connector **positioned in the female connector to match the wiring colour positions on the opposing male loom connector.**



7.14) The finished connection should look like this.

Cable tie up the connection in the tail lamp recess any excess loom length

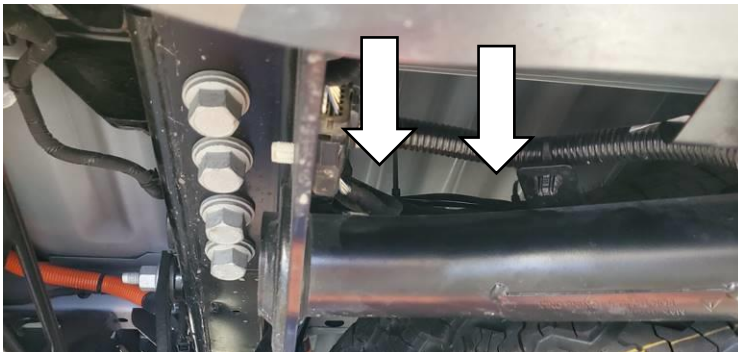
Refit the right-hand tail lamp.





CABLE TIE LOOM ACROSS THE REAR CHASSIS CROSS MEMBER

7.15) Back underneath the vehicle, follow the vehicle loom across the width of the vehicle's chassis to left-hand side behind the spare tyre and cable tie the canopy loom to it, before the spare tyre.



7.16) Cable tie off canopy loom to the vehicle's loom above the spare tyre and at the chassis junction of the cross member to the left-hand side chassis rail (two cable ties used).

CABLE TIE LOOM ACROSS LEFT HAND CHASSIS RAIL



7.17) On inner side of left-hand chassis rail, locate the vehicle's wiring loom and lead the canopy loom towards the front of the vehicle and cable tie in two places rearward of the left-hand rear wheel bump stop.

Do not tie cable ties to brake or fuel lines.



7.18) Cable tie off the canopy loom again at three places to the vehicle's wiring loom (near the fuel tank) before it reaches the location where the vehicle's loom crosses over the top of the left-hand chassis rail.



7.19) Pick up vehicle's loom on the outside of the left-hand chassis rail and secure the canopy loom to the vehicle's loom with a cable tie at the bend.



7.20) Cable tie off the canopy loom with three more cable ties to the vehicle's loom as it heads forwards towards the plastic cable track behind the front left-hand wheel near the body mounting.



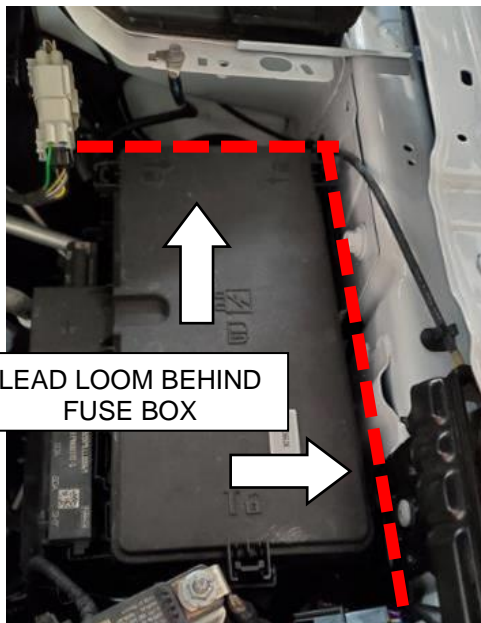
7.21) Pass the canopy loom between the chassis rail and the body floor (behind the body mount), ensuring all forward connectors and fuses are orientated to fit through the cavity.



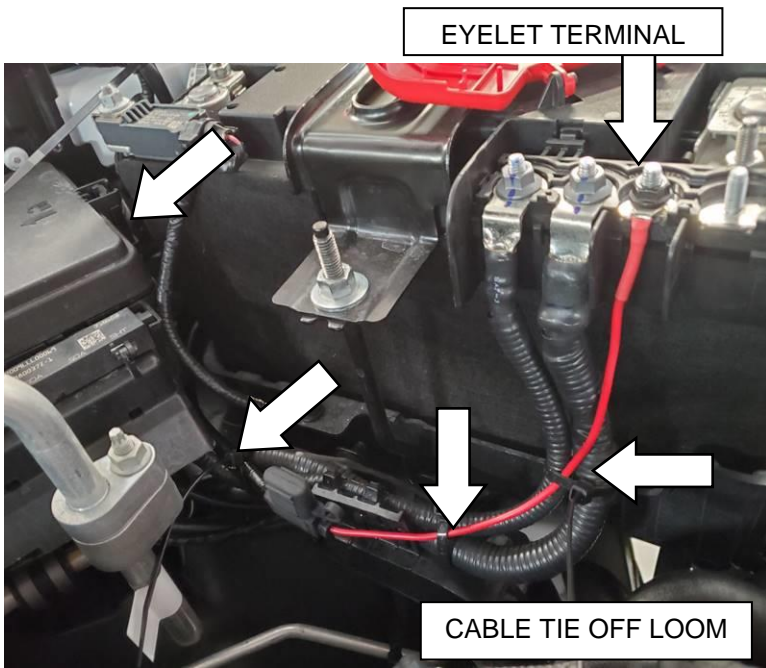
LEAD LOOM BEHIND LEFT-HAND FRONT WHEEL ARCH LINER

7.22) Lead the canopy loom through to the front left-hand front wheel arch liner and cable tie off to vehicle's main loom at the bottom

7.23) Open the bonnet and thread the canopy loom up through behind the left-hand wheel arch liner to the front corner of engine bay, behind the fuse box.

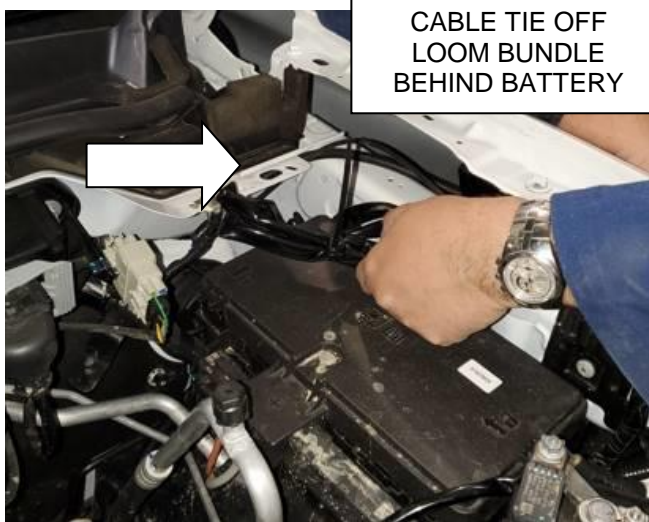


LEAD LOOM BEHIND FUSE BOX



7.24) Locate the positive battery terminal under the red plastic cover and connect the 6mm eyelet on the red wire of the canopy loom to the third battery terminal. Use the M6 flange nut (6151173) to secure the eyelet to the battery.

7.25) Cable tie off the loom to the vehicle's battery loom conduit with cable ties in four places to include near the front lower corner of the fuse box.



7.26) Loop excess loom length into bundle and cable tie off the excess cable length in the back left-hand rear corner of the engine bay behind the fuse box and secure it with a cable tie to the vehicle's sheet metal.

## SECTION 8: OPERATIONAL CHECKS

Canopy and wiring fitment are now complete.  
Operational checks need to be undertaken as follows.



7.0) Depress the vehicle's brake pedal and have a second person check that the brake light works in the door.



7.2) Check the interior light works when turned on.  
(There is no door ajar switch fitted for position II). It is manually turned on and off.



7.3) Remove the keys from the window struts and rear door struts. 2 keys should be added to the customer's key ring. Check the keys work manually in all locks. Give any further spare keys to the customer.



## **SECTION 9: OWNERS MANUAL SUPPLEMENT (Fill in and give to customer).**

### **ARB – CL\S79 Ford Ranger Dual Cab 2022+ Classic Canopy**

KEY CODE (Write it in boxes opposite)

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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 miss-use of the product is the responsibility of the vehicle operator.

#### **Safety Warnings**

- Do not drive with windows or doors open, other than sliding windows. 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.

#### **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 locks 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. Molybond 122 can be used 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, 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.

#### **Water Intrusion**

- Under rain and thunderstorms even during driving conditions, the canopy should only leak through unsealed tailgate areas at the sides of the tailgate.
- Under the presence of high pressure washing or automated laser car washes, water may leak into the vehicle’s tub over the top of the canopy’s rear tailgate sealing brackets and between the lower rear seal on the door and the door sealing stop assembly mounted on the tailgate.
- High pressure water washing at the top of the sliding glass panel of side sliding windows under the fixed pane will cause water to enter inside. Some water may also enter through the lower drain holes in side sliding windows frames.
- The canopy is designed to be weather proof in weather conditions.

**SECTION 10: ARB FITMENT CHECKLIST (TO BE FILLED IN - RETAIN THIS RECORD).**

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

ARB – CL\S79 Ford Ranger Dual Cab 2022+ Classic Canopy			
Dealer Name and code:		Date:	
Vehicle registration:		Vehicle Vin No:	
Number of Kms:		Order No:	
Vehicle type		Canopy window type (tick):	
Canopy serial number: (On top of door brake light or on inside of canopy in ARB badge recess area)		<b>Side window type:</b>	
		A - Double slider <input type="checkbox"/> B - Lift up LH / Slider RH <input type="checkbox"/> C - Lift up LH/ Lift up RH <input type="checkbox"/> D - Lift up RH / Slider LH <input type="checkbox"/> E - No side windows <input type="checkbox"/> CA- Aluminium lift up sides RH&LH <input type="checkbox"/>	
		<b>Front window:</b>	
		Front Lift up <input type="checkbox"/>	
		Front Slider <input type="checkbox"/>	
Canopy Key Serial No (See code printed on keys)	_____	Canopy Colour:	
Vehicle damage / condition check (details):			
			(Tick)
Canopy positioned on tub front to back and side to side evenly and there is adequate clearance to the vehicle's cabin.			
<b>The rear door glass has even gaps down both sides of the frame and there is adequate clearance for the door to close</b>			
<b>The lower edge of the rear door glass sits 6mm or more above the top of the tailgate and is even left to right.</b>			
<b>There is at minimum a 25mm gap between the front pillars of the canopy and the rear cabin pillars on the vehicle</b>			
All screw torques completed as detailed in the instructions – ! Important !			
<b>Door lower sash seal contacts the tailgate evenly without heavy force to close and seal</b>			
Door and lift up windows function with both keys to turn to lock and unlock			
<b>Water test with hose has been completed around all windows and join to canopy bed and at the roof vent / roof racks/ roof bars (if fitted) with no leaks other than through unsealed tailgate sides.</b>			
Rear brake light operates when brake pedal is pressed.			
Interior light works when turned on and off at the switch			
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:			