

DUAL CAB CENTRAL LOCKING CANOPY

Ascent Canopy AC54 - Ford Ranger PX (2011 Vehicle Production Onwards)



FITTING KIT: 6173597 Carton Kit and 668PD011 Front Mount Rail

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

IMPORTANT:

- Vehicle bodies and vehicle specific installation can vary, so 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 4 people will be required to lift the canopy onto the vehicle**).



FITMENT:

- For Bed liners additional time for fitting is required. Fitment can be undertaken with **Under rail** bed liners such as ARB bed liner P/N: KUL1408, ARB Sport Guard P/N: 10051688, or Ford OEM Genuine accessories Ford PXI and PXII P/N: UC9P-65-YA0F for the bed liner and UC9P-65-YV0A for the tailgate liner and for Ford PXIII released September of 2018 for P/N: KTAB39262606BA for the bed liner and GB3B2140726AB. The canopy fitment is **NOT** suitable for over rail bed liners.
- Cabin Guards and Sports bars **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, and to details referred to in the second last page of these fitting instructions.

HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT:

Protective eyewear		Hearing protection	
--------------------	---	--------------------	---

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">• Torque Wrench 0-25Nm• Sockets ¼”, 10 & 13mm, extension bar and driver• Spanners, ratchet type, 10 and 13mm.• 300mm ruler• 150mm ruler• T30, T40, Torx Drive screwdriver and bits for socket drives and screw drivers• Power or pneumatic drill• Drill bits, 6.5, 8, 10, 16, 21 mm• 12mm deep drill stops for 6.5mm bits• Die Grinder• Jig saw• Knife• Plastic de-burring tool or sander with disc• Sharp Scissors• File or sheet metal de-burring tool• Engineer’s scribe• Sheet metal vice grip clamp• Quicklock G clamp• Centre punch• Silicon Caulking Gun• <u>Neutral cure</u> Non Acetic Silicon• Phillips head screwdrivers• Flat blade screwdrivers• Side Cutters• Squeegee• Spray Bottle Water• Non-permanent marker• Electrical tape• Masking tape• Cleaning cloths / rags• Putty knife/ spatula• Plastic coated draw wire approx. 1.5M	<ul style="list-style-type: none">• Cable ties 4 x 600mm long• Cable ties 8 x 200mm long• 13mm Convoluted split electrical automotive conduit 1600 mm long• Plastic/soft mallet• Angle grinder with cut off wheel and cutting discs
---	---

FITTING THE CANOPY IS UNDERTAKEN IN 6 STAGES:

1. Removing any sports bars, cabin guards, bed liners and trimming the bed Liner.
2. Sealing the front corners of the vehicle's tub and obscuring the vehicle's cabin mounted stop lamp.
3. Fitting the tub mounting brackets.
4. Fitting vehicle wiring.
5. Fitting the canopy to the vehicle
6. Operational checks and adjustment options for doors and windows.
7. Recording of key code and owner's manual supplement.
8. Check list and sign off.

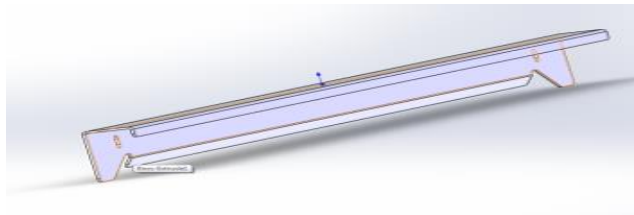
NOTE: DURING THE INSTALLATION IT IS NECESSARY TO DRILL SOME HOLES THROUGH THE VEHICLE'S TUB SHEET METAL. IT IS RECOMMENDED THAT THESE ARE DE-BURRED AND THE RUST INHIBITOR THAT IS PROVIDED BE USES TO AVOID RUST & ANY SWARF LEFT OVER SHOULD BE CLEANED FROM TUB.

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
























REQUIRED SCREW TORQUES: M6=9Nm M8=22Nm

Screw torques must be adhered to avoid warranty issues and should be checked at vehicle service intervals.

THE FITTING KIT CONTAINS:
Packed under the canopy are:



Qty 1 Front Mount Rail (Part no 668PD011),
and Qty 1 Carton containing hardware (Part no 6173597) which contains the following:

Part No	Picture	Qty	Description
1. SMALL PARTS BAG			
668PD008		2	BRACKET CENTRE TUB MOUNT
668AQ010		2	ASSY-BRACKET WELD NUT PLATE FRONT TUB MOUNT
665074		1	ROLL - SOFT FOAM 6.3MM THICK X 20MM WIDE
6151212		6	M8X1.25 BLACK NYLOC NUT
6151213		10	M6X20MM BLACK HEX HEAD SCREWS GD 8.8
4581287		2	M6 BLACK SPRING WASHERS
4584310		12	M6 X 25MM X 2.8MM THICK BLACK FLAT WASHERS
6151173		6	M6 WIZZLOCK FLANGE NUTS - BLACK
6151625		10	M8 X 25 TORX PAN HEAD SCREW - BLACK
4581303		10	M8 X 25.4MM X 3MM THICK BLACK FLAT WASHERS
4581085		6	M8 X 19MM X 1.2MM THICK BLACK FLAT WASHERS
665037		1	ROLL- CLEAR TAILGATE PROTECTION TAPE 30MM WIDE
668PB010		2	A PACK OF 2 TUB SEALING BLOCKS- FOAM
668PB006		2	PAIR OF DIE CUT BLACK STICKERS
665046		1	BRAKE LAMP BLACKOUT STICKER
668PM005		1	PAIR OF RUBBER SELF-ADHESIVE TUB CORNER SEAL BRIDGES
668PJ012		1	ELECTRICAL LOOM- VEHICLE FORD RANGER HARNESS
668PJ015		1	ELECTRICAL RELAY BOX
665505		1	RUST INHIBITOR SACHET
2. TUB MOUNT BRACKETS IN CARTON			
668AQ001R		1	RH- REAR TUB MOUNTING BRACKET
668AQ001L		1	LH- REAR TUB MOUNTING BRACKET
668PD027R		1	RH- FRONT CORNER TUB MOUNTING BRACKET
668PD027L		1	LH- FRONT CORNER TUB MOUNTING BRACKET

NOTE :- IF FITTING A CANOPY TO A FORD RANGER PXII XL & XLS OR PXIII MODEL TO INCLUDE RAPTOR, YOU MUST PURCHASE THE 4740020 STOP LIGHT COVER KIT SEPERATELY

SECTION 1A

1.1 REMOVING THE CENTRE HIGH MOUNTED STOP LIGHT ON FROD RANGER XL-XLS MODELS



1. Remove the CHMSL Cover by pulling the cover towards the rear of the vehicle.



2. Using a T15 torx key, unscrew the two retaining screws and remove the light housing (Retain the two screws as they will be required later for retaining the cover)

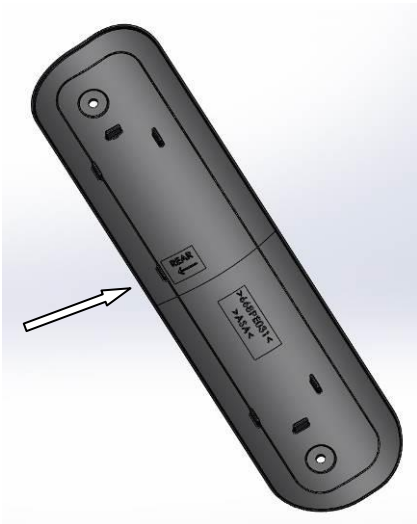


3. Unclip the light from the loom and remove, using masking tape securely tape the remaining wiring loom inside the cavity ensuring it cannot rattle

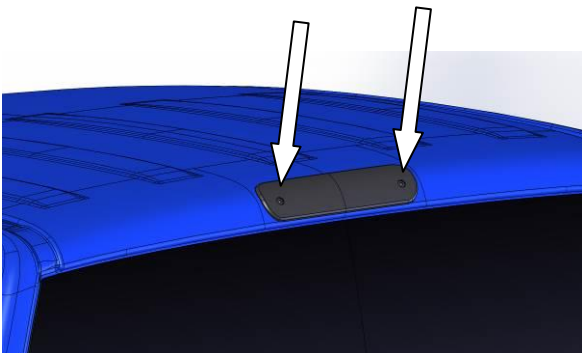


4. Ensure the foam tape seals are correctly fitted around the edge perimeter of the covers inside surface and the sealing disc pads are over the screw holes on the inside. Carefully pierce the foam sealing discs through the holes in the cover with a sharp point such as a nail

Rear Arrow &
Centre Tab



5. Before final fitting, ensure the arrow on the inside of the cover is pointing to the rear of the vehicle.
If incorrectly fitted, the centre tab should interfere with the roof sheet metal panel tab.



6. Place the cover over the cavity and align the mounting holes to the screw locations in the roof.
7. Press the cover onto the roof to compress the seals and using the holding screws retained from earlier, screw the cover down firmly, taking care not to over-tighten and strip the thread.

SECTION 1: PREPARING THE VEHICLE TUB AND BED LINERS AND SPORT GUARDS

- 1.1) Remove any sports bars or cabin guards fitted on the front bed rail of the vehicle's tub.
- 1.2) Some factory vehicles come with bed liners fitted. Remove the bed liner and retain hardware.
- 1.3) Steps 1.7 to 1.16 refer to the Ford Genuine OEM bed liner for PXI and PXII models
- 1.4) Steps 1.17 to 1.45 Refer to the ARB bed liner, which should be fitted from new.
- 1.5) Steps 1.46 to 1.59 Refer to the ARB Sport Guard.
- 1.6) Steps 1.60 to 1.68 Refer to Ford Ranger PXIII bed liner fitment (September 2018+)

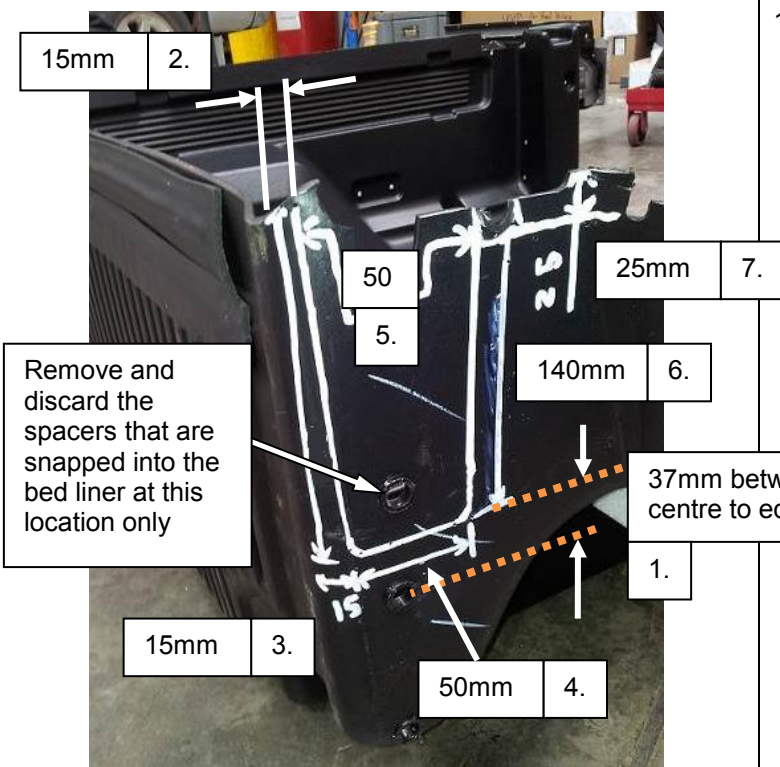
TRIM BED LINER BUT DO NOT FIT YET- OEM FORD BED LINER FOR PXI AND PXII ONLY



- 1.7) You will need to trim the bed liner to correctly fit the canopy, to provide clearance to canopy corner mounting brackets in the vehicle tub.
NOTE: Canopy fitment is suitable ONLY for under-rail bed liners.

The following steps are based on fitment to the Ford OEM Bed liner for PXI and Ford PXII.

(Ford OEM Genuine accessories Ford P/N: UC9P-65-YA0F for the bed liner and UC9P-65-YV0A for the tailgate liner).



- 1.8) Mark out the **front** LH side of the bed liner on the side that is against the vehicle tub as shown.
Use the number sequence in marking out.
Repeat this on the opposite corner in mirror image.



- 1.9) Drill the lower corners of the bed liner with 10mm drill bit to make neat corners as shown. **Repeat this on the opposite corner in mirror image.**

The cut out should look like this at this point.



- 1.10) Using a jig saw, cut the bed liner along the marked lines. **Repeat this on the opposite corner in mirror image.**

The cut out should look like this at this point:

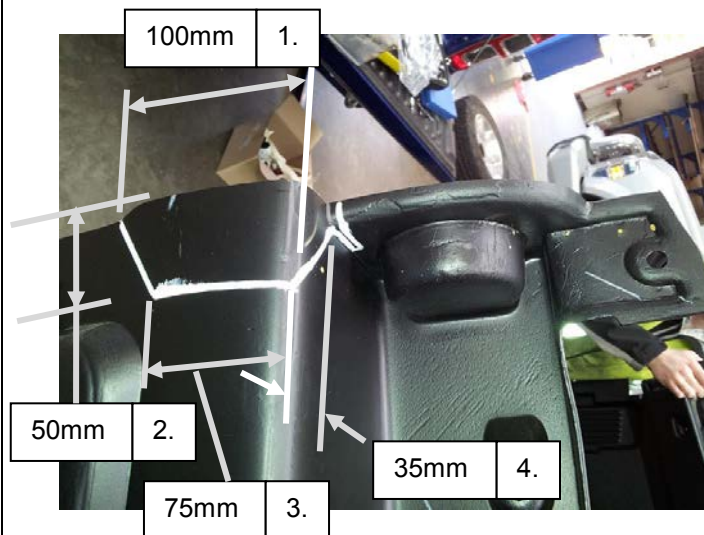


- 1.11) Trim the top edge as show using a jig saw, cut the bed liner along the remaining marked lines.

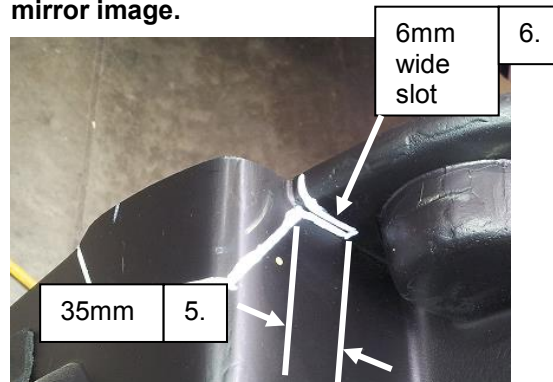
Repeat this on the opposite corner in mirror image.

The finished front corner cut out should look like this at this point:





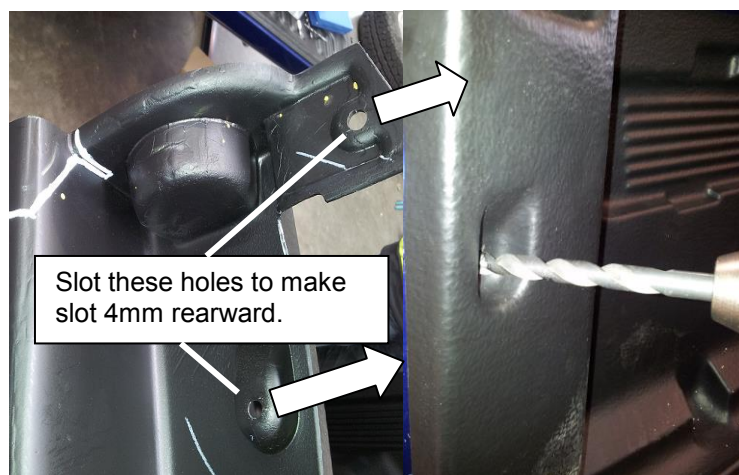
1.12) Mark out top area of the LH rear corner of the bed liner on the side that sits against the vehicle tub as shown in these images. Use the number sequence in marking out.
Repeat this on the opposite corner in mirror image.



1.13) The finished cut out should look like this in the picture opposite.
Repeat this on the opposite corner in mirror image.

To all trim cuts on the bed liner now de-burr and file to clean up edges.

Trimming of the bed liner is now complete.



1.14) In the rear of the bed liner are 2 moulded recesses. LH side is shown opposite. Using a 10mm drill open the hole up and slot the hole 4mm rearward in car position.
Repeat this on the opposite corner in mirror image.

Slot these holes to make slot 4mm wider to outside of bed liner laterally.



1.15) In the **rear LH lower corner** of the bed liner snap out the 2 metal spacers in the lower hole. Using a die grinder, grind the plastic holes out to move them laterally 4mm toward the outside of the bed liner. Refit the 2 metal spacers once fitting the bed liner again later. **Repeat this on the opposite corner in mirror image.**

Slot these holes to make slot 4mm wider to front of bed liner laterally.



1.16) In the **front LH lower corner** of the bed liner snap out the 2 metal spacers in the lower hole. Using a die grinder, grind the plastic holes out to move them laterally 4mm toward the front of the bed liner. Refit the 2 metal spacers once fitting the the bed liner again later. **Repeat this on the opposite corner in mirror image.**

DO NOT FIT THE BED LINER AT THIS POINT. RETAIN ALL BED LINER HARDWARE- GO TO SECTION 2.

TRIM BED LINER - ARB BED LINER:



Bedliner without front edge lip



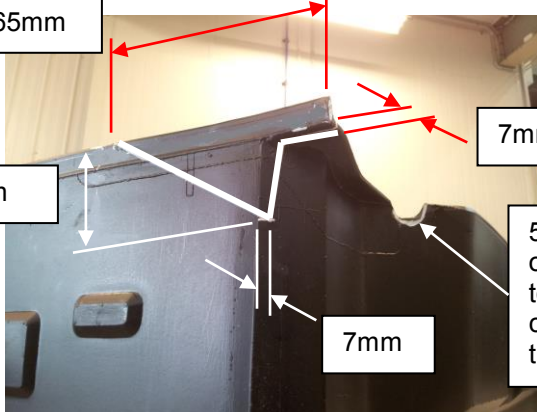
35mm

Bedliner with front edge lip.
Measure down 35mm across the entire front edge and trim off all the way across the bedliner to the other side.



1.17) You will need to trim the bed liner to provide clearance to canopy corner mounting brackets in the vehicle tub. **NOTE: Canopy fitment is suitable ONLY for under-rail bed liners** **The following steps are based on fitment to the ARB Bed liner. This is based on fitting a new bed liner.** (ARB bed liner P/N: KUL1408) **There are 2 trim variants of bed liner: One with a front edge lip and one without. For the one with the front edge lip, trim off 35mm down from the top edge of the bedliner all the way across the front of the bedliner.**

165mm



7mm

70mm

7mm

5mm offset to current trim.

1.18) Mark out the **front LH side** of the bed liner on the side that is against the front of vehicle's tub as shown. Cut the bedliner as shown.

Repeat this on the opposite corner in mirror image.

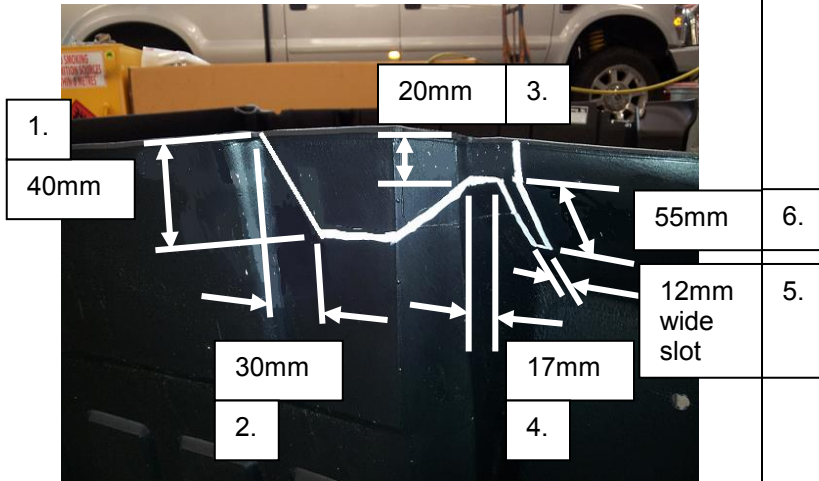


1.19) The finished cut should look like this on the inside of the bed liner, done on both sides.



1.20) Mark out top area of the LH **rear** corner of the bed liner on the side that sits against the vehicle tub as shown in these images. Use the number sequence in marking out.

Repeat this on the opposite corner in mirror image.



1.21) The finished cut out on the LH rear corner should look like this when viewed from the inside of the bed liner.

Repeat this on the opposite corner in mirror image.



1.22) Now locate the scribe marks moulded into the bed liner in the **LH front lower corner** of the bed liner on the side wall where the tie down hook holes are to be drilled.

1.23) Drill holes out to 16mm.

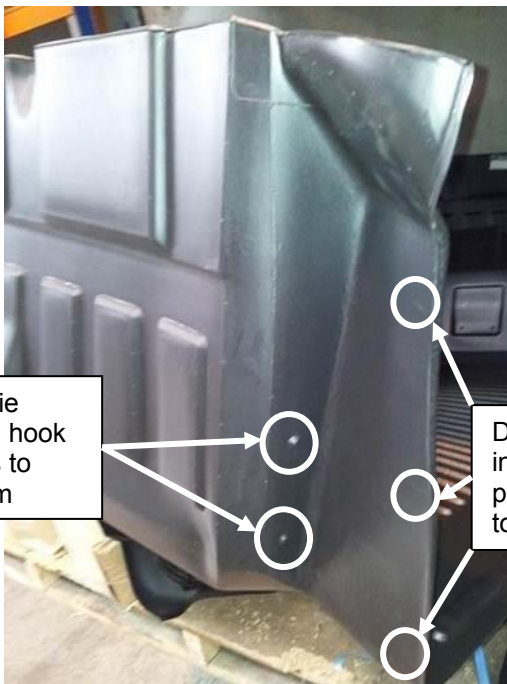
Repeat this on the opposite corner in mirror image.



1.24) Locate the tie down hook drill points for holes in the **middle of the side lower walls** of the bed liner.

1.25) Drill holes out to 16mm.

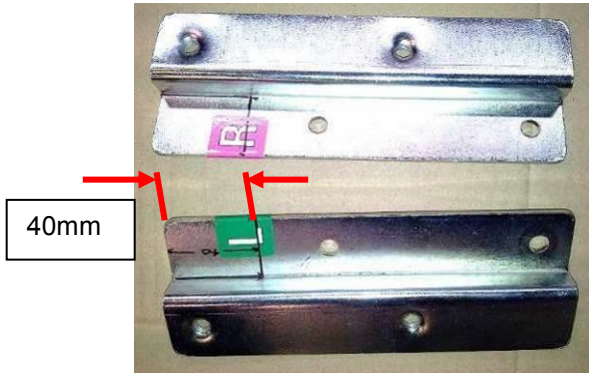
Repeat this on the opposite side in mirror image.



1.26) Locate the tie down hook drill points for holes in the **rear LH side lower walls** of the bed liner.

1.27) Drill holes out to 16mm for the tie down hook and to 10mm for the rear 3 holes.

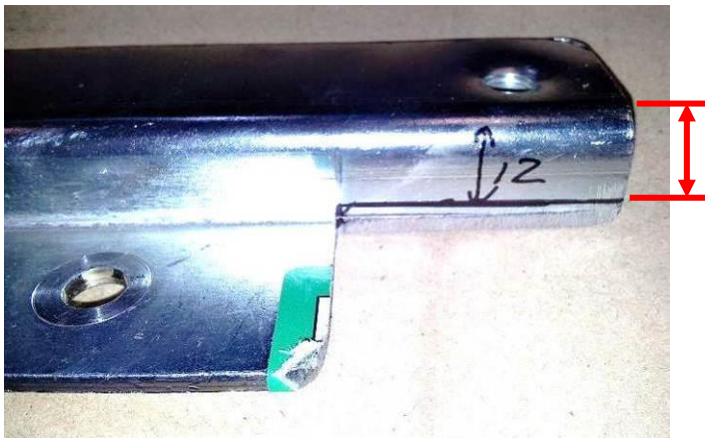
Repeat this on the opposite corner in mirror image.



1.28) From the bed liner hardware kit, locate the 2 front mounting brackets. Mark a line 40mm in from the edge of the brackets on the leg that has **holes without threads**.



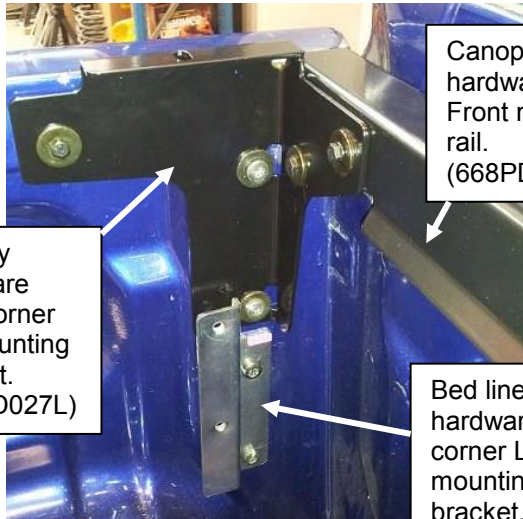
1.29) Cut the brackets with a metal saw or angle grinder out as shown.



1.30) Mark out on the internal web of both the brackets a line 12mm down **from the top face that has the threaded holes in it**.



1.31) Cut both brackets out, the result should look like the picture opposite.



Canopy hardware
Front mount
rail.
(668PD011).

Canopy
hardware
front corner
LH mounting
bracket.
(668PD027L)

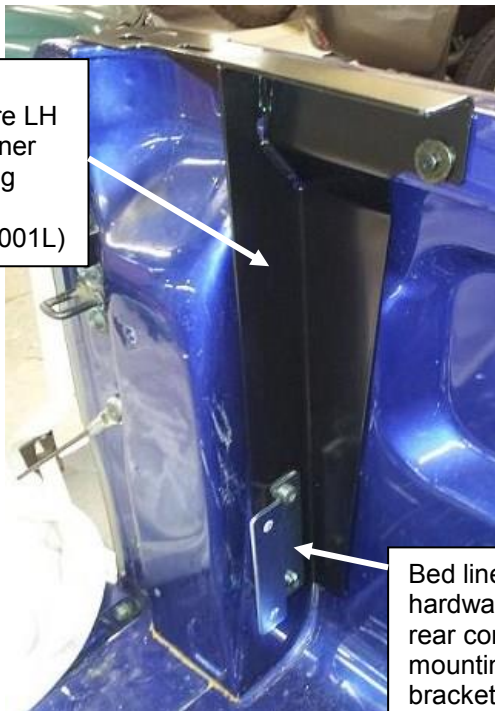
Bed liner
hardware front
corner LH
mounting
bracket.

- 1.32) **Remove all 6 tie down hooks for the vehicle's tub.**

!!!IMPORTANT!! COMPLETE SECTION 2 SEALING THE TUB BEFORE PROCEEDING FURTHER THEN GO TO NEXT STEP

- 1.33) Now fit the bed liner front mount brackets as per the bed liner fitting instructions using the 2 M8 screws retained from the tie down hooks.
Do not refit the tie down hooks.
Do screws up to 22Nm

- 1.34) Now fit the front corner mounting bracket from the Canopy hardware kit
(Refer to steps 3.0 to 3.9)
The finished result in the front left hand corner of the vehicle's tub should look like the picture opposite.
Repeat on opposite side of the vehicle.



Canopy
hardware LH
rear corner
mounting
bracket.
(668AQ001L)

Bed liner
hardware LH
rear corner
mounting
bracket.

- 1.35) Now fit the **rear LH** Canopy mounting bracket (668AQ001L) . The lower end of the bracket has 2 slots that align to the tie down hook mounting holes in the vehicle's tub.

- 1.36) Mount the **LH rear** bed liner mounting bracket over the rear canopy mounting bracket and do up the retained M8 screws from the tie down hooks.
Do not refit the tie down hooks.

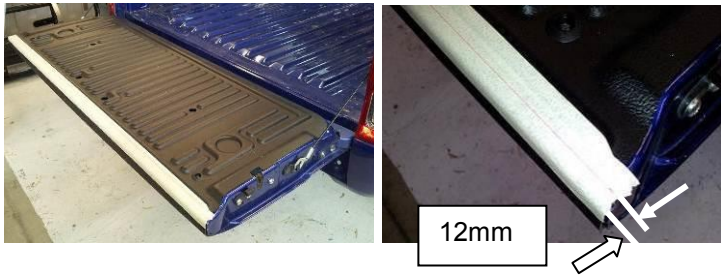
- 1.37) **Refer to steps 3.10 to 3.15 to complete fitment of rest of the rear canopy mounting bracket.**
Do screws up on the bed liner mounting bracket to 22Nm.

- 1.38) The finished result should look as in the picture opposite.
Repeat on opposite side of the vehicle

- 1.39) **Go to section 2 and complete steps before fitting the bed liner**



- 1.40) After completing section 2, Install the ARB bed liner as per the rest of the bed liner fitting instructions **to include installing the tie down hooks in 6 places to 22Nm torque.** Be sure to push the bed liner as far forward as possible, to get the rear corners of the bed liner into the vehicle's tub.
The finished results should look like those in the pictures opposite.



- 1.41) Apply masking tape to the inside top edge of the tailgate liner.
- 1.42) Mark a line across the width of the tailgate liner 12mm down.



- 1.43) Cut the top lip off the tailgate liner using a jig saw and sand the edge.
- 1.44) It may be also required to trim the side edge of the liner to make a neat appearance as shown at the arrow.
- 1.45) Then fit the tailgate liner as per the bed liner fitting instructions



TRIM BED LINER – ARB SPORT GUARD:



- 1.46) If a new Sport Guard kit is to be fitted OR is already fitted to tub, the RH, LH and front sections of the Sports Guard need to be trimmed for clearance to the canopy mounting brackets.

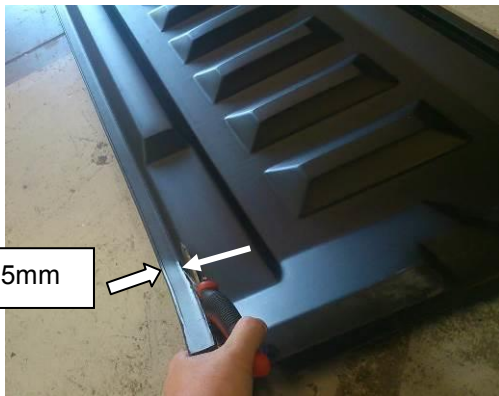
The following steps detail how to prepare cutting of the ARB Sport Guard to fit with Canopy mounting brackets.



(ARB Ford Ranger PX / Mazda BT50 2011+ Sport Guard P/N 10051688).



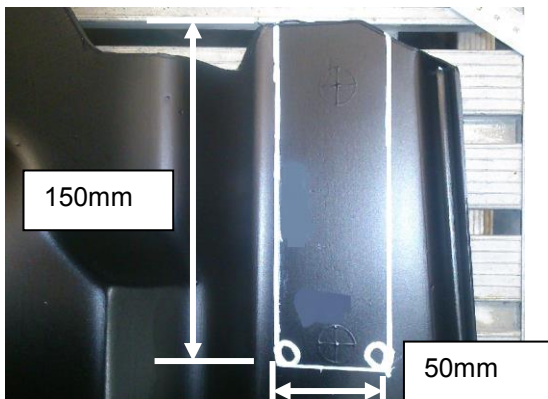
- 1.47) Remove all 6 tie down hooks on tub and retain screws, washers and hooks.
- 1.48) If Sport Guard is already fitted, remove the Front, RH and LH Sport Guard panels to prepare to fit the Canopy mounting brackets.
OR
If not fitted yet, fit the floor (if required) and tailgate sections of the as per "Sport Guard Installation Instructions".
- The tub is to have only floor (if required- not required for drawer systems) and tailgate section installed as shown, at this point.



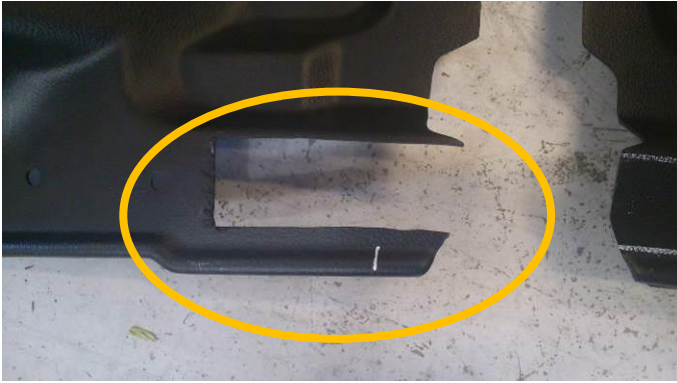
- 1.49) On the Front panel of the Sport Guard cut the 25mm strip off the top section.



- 1.50) Cut the strip completely off- this is needed for clearance for the canopy front mounting rail.



- 1.51) Cut the front sections out of the side panels of the Sport Guard as marked via the scribe lines as moulded into the back of the side panel. (RH shown).
The 2 lower corners in this area can be drilled out with 10mm drill bit to aid cutting.



1.52) Check shape is as shown. Repeat this on the same corner of the LH Sport Guard.



1.53) The rear upper corners of both the RH and LH sport guard need to be cut-out.

1.54) The cut-out around this corner is marked on the rear of the panel via the moulded in scribe lines.

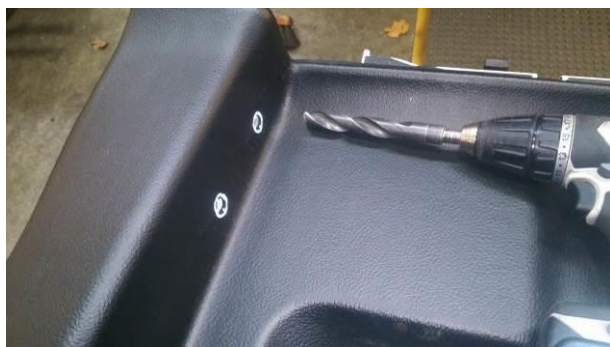


1.55) Cut this marked section out as shown. (LH shown).

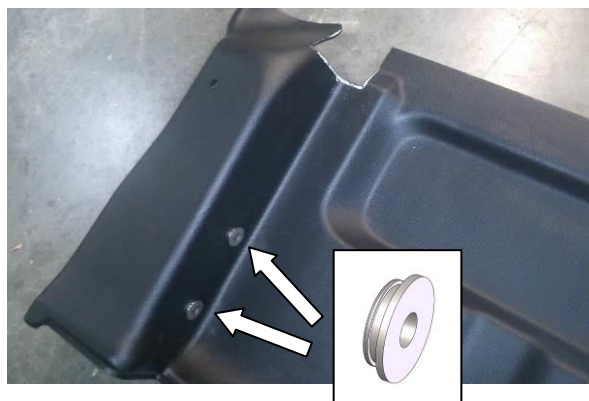


1.56) The LH panel cut out should look like this.

1.57) Repeat the same cut-out on the RH side.



1.58) Drill out the 2 holes in the rear section of the RH and LH panels to 21mm diameter.



1.59) Press the Sport Guard hardware kit spacers into these holes in the RH and LH panels. Use soft mallet if necessary.

Sports Guard front and side panels are now ready for installation. (Details of installation with tub mounting brackets begin in Section 3 of these instructions).

TRIM BED LINER BUT DO NOT FIT YET- OEM FORD BED LINER FOR PXIII ONLY (SEPTEMBER 2018+)



1.60) You will need to trim the bed liner to correctly fit the canopy, to provide clearance to canopy corner mounting brackets in the vehicle tub.

NOTE: Canopy fitment is suitable ONLY for under-rail bed liners.

The following steps are based on fitment to the Ford OEM Bed liner for PXIII only (September 2018+)

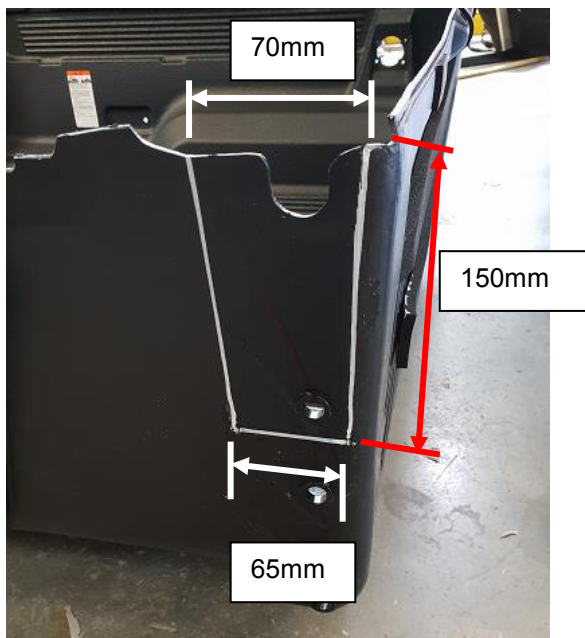
(Ford OEM Genuine accessories Ford P/N: KTAB39262606BA for the bed liner and GB3B21407261B for the tailgate liner).



1.61) Once the hardware plastic clips are removed from the front of the bed liner and the tie down points are all unbolted, retain all hardware. Remove the screws retaining the power socket and pull the plug out into the tub.



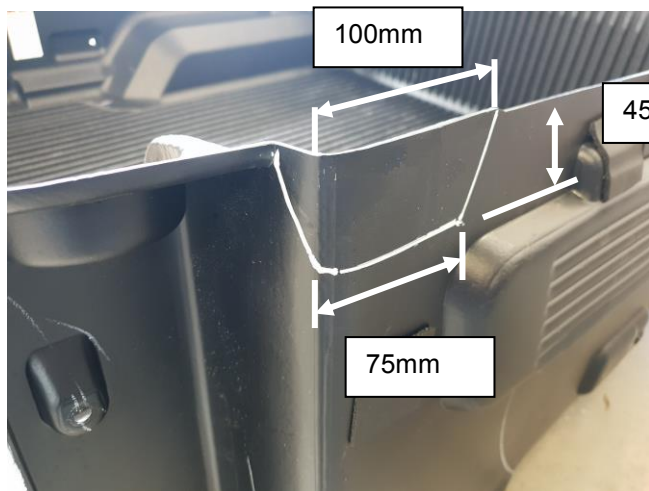
- 1.62) Unclip the white retainer on the back of the plug and pull it out.
- 1.63) Press down on the clip remaining on the back of the plug receptacle and disconnect the loom. The bed liner may now be removed from the tub



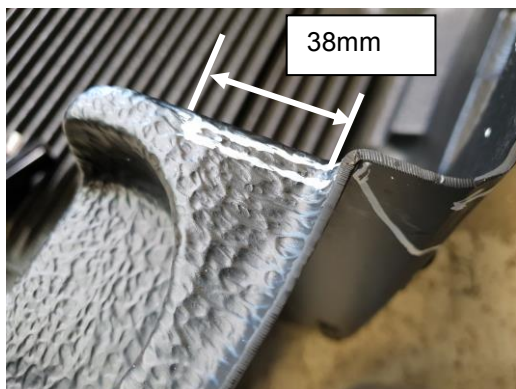
- 1.64) Mark out the front LH side of the bed liner on the side that is against the vehicle tub as shown.
Repeat this on the opposite corner in mirror image



1.65) Trim the bed line out along the marked lines and clean up swarf on the part.
The finished cut out should look like as is opposite at this point.
Repeat this on the opposite corner in mirror image



1.66) Mark out the top left corner of the bed liner as shown.
For the 38mm long slot in the cup holder region cut this to 6mm wide from the inside face of the bed liner.
Repeat this on the opposite corner in mirror image





1.67) Trim the bed line out along the marked lines and clean up swarf on the part.
The finished cut out should look like as is opposite at this point.
Repeat this on the opposite corner in mirror image

Do Not fit the bed liner at this point go to section 2. Complete section 2. Then refit the bed liner socket plug. Complete section 3.1 to 3.15. Then fit all remaining bed liner hardware.



1.68) Once fitted the rear and front brackets should look like that in the pictures opposite if fitted with this bed liner.



SECTION 2: OBSCURING THE VEHICLE'S STOP LAMP



On the back of the roof of the vehicle's cabin, pull back the black surround on the cover, by lifting and pulling it simultaneously.

Hint: Instructions on bezel removal are also given in the vehicle owner's manual



Clean the lens and carefully apply the tape, starting in the centre, smoothing out any bubbles.

Trim back corners and the sides as necessary, trying to keep as much of the lens covered as possible.
Refit the cover

SEALING THE VEHICLE'S TUB:

With the bed liner, sports bars and cabin guard removed, seal the front corner of the vehicle tub using the following steps.

Inside front corner of tub



Exterior front corner of tub

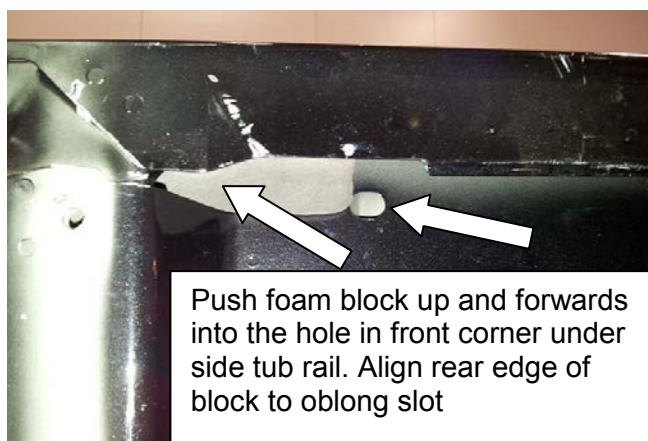


The vehicle's tub is shown with cabin guard removed (if fitted) it needs to be removed prior to fitting the canopy by unscrewing it. (The tub is shown for clarity removed from the vehicle)

The front corners of the tub where arrows are shown are not sealed ex-factory on both sides. It is necessary to seal these areas before a canopy is fitted.



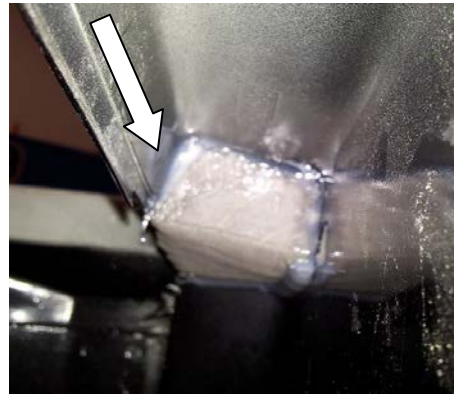
Hole in front corner under side tub rail



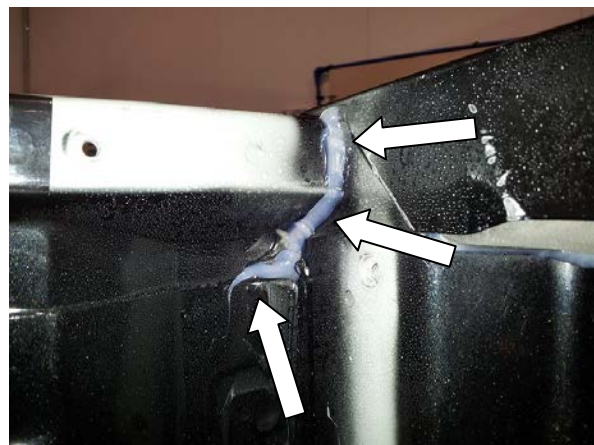
Push foam block up and forwards into the hole in front corner under side tub rail. Align rear edge of block to oblong slot

2.1) Inside of the vehicle's tub side rail at front corner, locate the hole in the side rail in the tub and push one of the foam blocks (668PD010) into it in the following orientation. The foam block is 50x30x75mm. With the block sitting

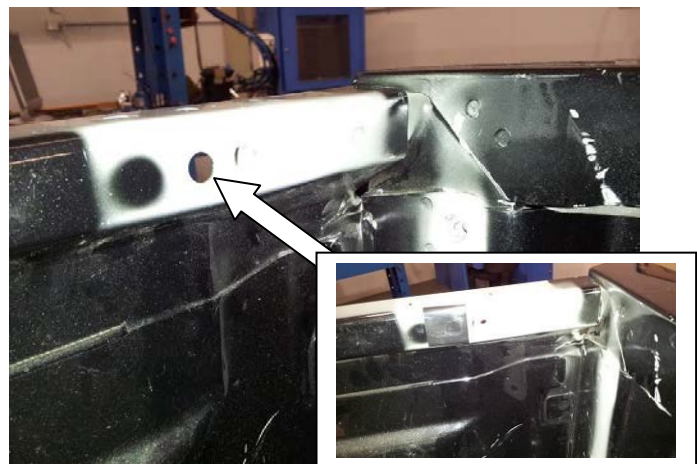
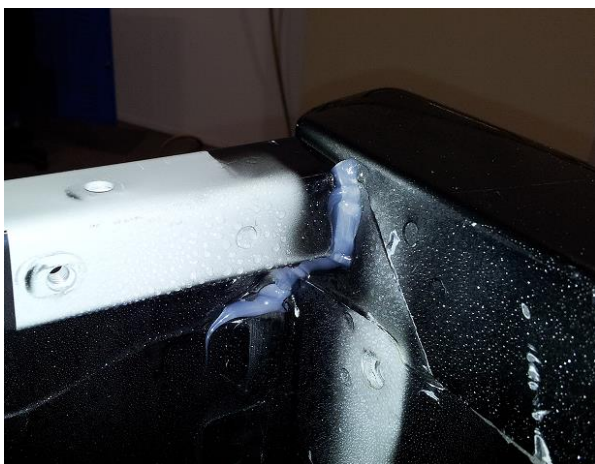
flat on its 50x75mm face, push it up under the side rail of the tub and push it forward. Locate the rear edge of the foam block level with the oblong slotted hole in the side tub sheet metal wall as shown above. **Repeat this on the opposite side.**



2.2) Spray water using a spray bottle around the foam block to aid in applying silicon cleanly. Then apply neutral cure silicon around all edges of the foam block where it contacts the tub sheet metal and clean up. **Repeat this on the opposite side.**



2.3) Spray water using a spray bottle, down the front internal corner junction of the tub, to aid in applying silicon cleanly. Then apply neutral cure silicon around all sheet metal panel gaps as shown above and clean up. **Repeat this on the opposite side.**



2.4) Apply black sticker (668PB006) over open hole next to the threaded hole in the front tub panel as shown above to provide a water seal. **DO NOT** cover the threaded hole.



2.5) (Tub shown removed from vehicle for clarity).

Between the cabin and the tub at the front corner apply neutral cure silicon to the gaps in the sheet metal panels as shown using silicon on a spatula or putty knife, to gain access.

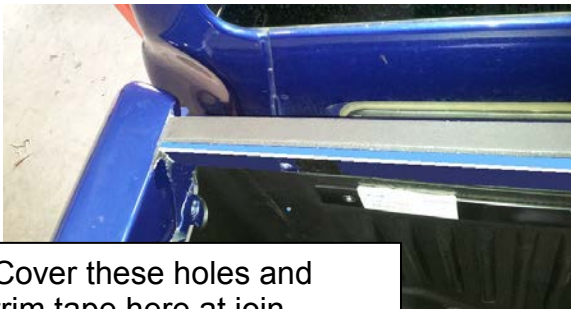
2.6) Repeat all tub sealing steps on the opposite side of the vehicle

SECTION 3: FITTING THE CANOPY TUB MOUNTING SYSTEM

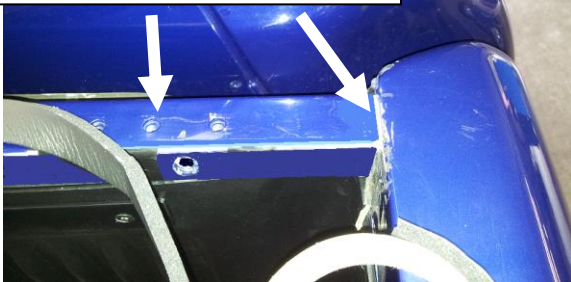
If OEM Ford bed liner is to be fitted, fit it back into the vehicle's tub. **DO NOT ASSEMBLE HARDWARE YET FOR THE BED LINER.**

If the vehicle is not fitted with a bed liner, remove the lower most tie down hooks in the front and rear tub corners. (In 4 places).

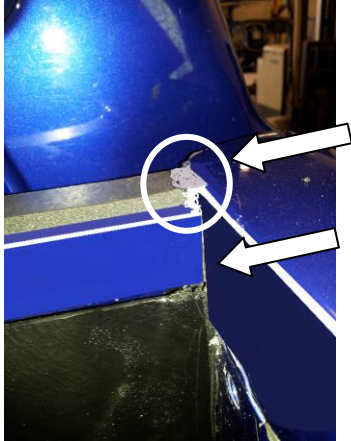
If the vehicle is to be fitted with a Sports Guard kit- follow instructions 3.0) and 3.1) then go to instruction 3.16)



Cover these holes and trim tape here at join between front rail and side rail of vehicle's tub. Tightly butt the tape to this join.



3.0) Clean the front tub rail at the back of the vehicle's cabin with Isopropyl Alcohol and a lint free rag. Starting from the inside edge of the side tub rails, apply soft foam tape (665074) seal along the top face of the front of the vehicle's tub, so that it covers the screw holes. Trim tape level to butt up to the inside of the side tub rail on the opposite side.



3.1) Apply neutral cure silicon to the ends of the foam tape on both sides of the tub, and spatula this down level to the top of the foam tape. It is important that the area between the tape and the sheet metal is also well sealed on the vertical end faces of the foam tape about the width of the tape, in front and behind the tape.

Spray water using a spray bottle, down the front internal corner junction of the tub, to aid in applying silicon cleanly. Then apply neutral cure silicon around all sheet metal panel gaps and clean up.

Repeat this on the opposite side.



3.2) Place 668PD011 **front tub mount rail** over the front of the tub, foam tape and top lip of the bed liner. The “C” section shape of the bracket is to point down and the small flange lip on the bracket is to be orientated to the inside of the tub to retain the top edge of the bed liner. Align the holes in the end of the bracket with the 2 holes in the vertical face of the tub and locate it centrally on the vehicle’s front tub rail.

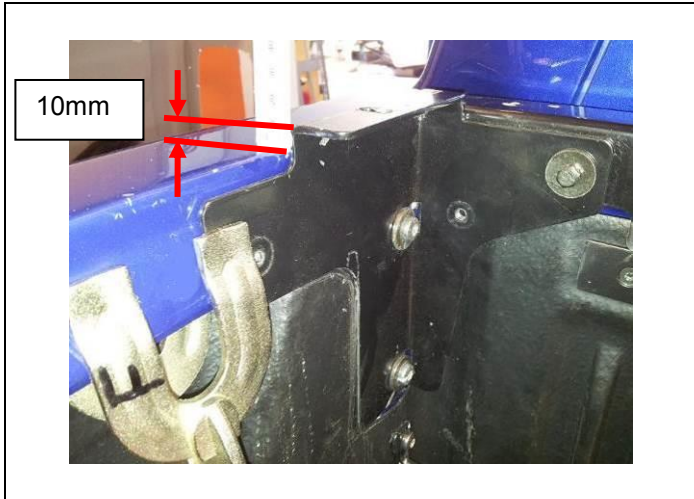


3.3) Place in the LH **front** corner of the tub the front tub mounting brackets (668PD027L) loosely fit screws as shown.

M6 x 20 Hex screw, M6 spring washer and M6 x 25mm flat washer. **Do this up first.**

Reuse from the bed liner hardware M8 x 25 Torx head screw (use T40 bit) and a **new** M8 x 25.4mm flat washer, in these 2 places.

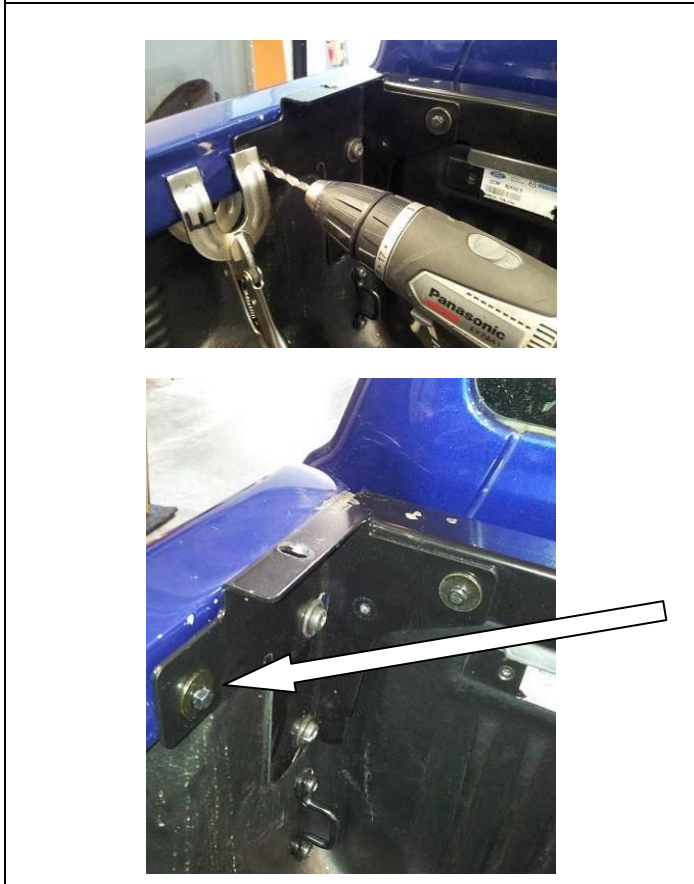
Repeat using front tub mount bracket (668PD027R) on the opposite RH side of the tub.



3.4) Clamp the front corner brackets in position as shown once the height of the bracket from the top of the tub to the top face of the bracket is to set at **10mm**. **Maximum 11mm, Minimum 9mm.**

Level the height of the front mount rail's top face (668PD011) to the height of the sides of the tub.
Tighten the M6 Hex screws to 9Nm first.
Then tighten the M8 Torx screws to 22Nm.

Repeat on the opposite RH side of the tub.



3.5) Using a drill fitted with a 12mm deep drill stop to prevent drilling into the outside tub sheet metal skin, drill with 6.5mm bit through the rear hole in the front corner bracket through the flange on the tub sheet metal.

Apply rust inhibitor around the hole and on the tub on the inside after drilling.

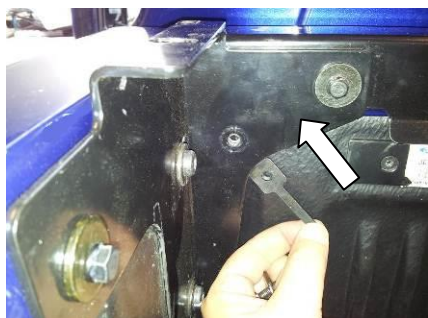
3.6) Insert into the hole an M6x20mm hex screw with M6 x 25mm flat washer with M6 flange nut on the back, inside the tub lip flange.
Do up to 9Nm.

Repeat on the opposite RH side of the tub.



3.7) Using a drill fitted with a 12mm deep drill stop to prevent drilling into the front tub sheet metal skin, drill with 6.5mm bit through the hole in the front corner bracket through into the front mount rail bracket (668PD011).

Apply rust inhibitor to prevent corrosion inside the hole after drilling.



3.8) Place in behind the hole, the weld nut plate (668AQ010) with the flat face of it to the flat face of the inside of the front mount rail.

3.9) Insert into the hole an M6x20mm hex screw with M6 x 25mm flat washer and do the screw up into weld nut plate **to 9Nm**.

Repeat on the opposite RH side of the tub. Ensure the leg on the weld nut plate is not seen and is up behind the brackets.



3.10) Slide rear mount bracket (668AQ001L) between the bed liner (if fitted) and the sheet metal tub as shown. (Ensure the lower tie down hook is removed).

3.11) The bottom end of the mount bracket has 2 slots that align to the location of the tie down hook holes. Align them and **re-using** the tie down hook and screws, loosely do them up (**with or without the bed liner being fitted**).

3.12) Clamp the rear mount bracket in position as shown. The height of the bracket from the top of the tub to the top face of the bracket is to set at **10mm. (Maximum 11, Minimum 9mm)**.



3.13) **Tighten the M8 Torx screws to 22Nm on the tie down hook.**

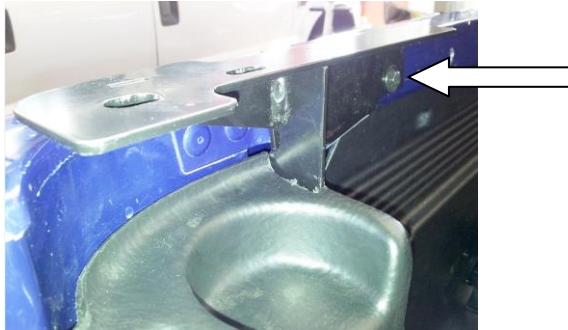




- 3.14) Using a 6.5mm drill fitted with a 12mm deep drill stop to prevent drilling into the side of the sheet metal skin, drill through the hole in the bracket and the vehicle's tub flange lip.

Apply rust inhibitor to the hole to prevent corrosion inside after drilling.

Repeat all steps on the opposite RH side of the tub using RH bracket (668AQ001R).



- 3.15) Insert into the hole an M6x20mm hex screw with M6 x 25mm flat washer with M6 flange nut on the back, inside the tub lip flange.
Do up to 9Nm.

Repeat on the opposite RH side of the tub.

For fitment of canopy mounting brackets with Sports Guard refer steps 3.16 to 3.49



- 3.16) Ensure all tie down brackets are removed and only the floor (Not required if vehicle is to be fitted with ARB Drawer systems) and tailgate panels of the Sport Guard panels are fitted.



- 3.17) Place trimmed front panel into position on the front of tub. Fit the front mount rail (668PD011) on top of tub to hold panel in place.



3.18) Hook both RH and LH side panels into position on both sides and align holes to the holes in the sheet metal tub.



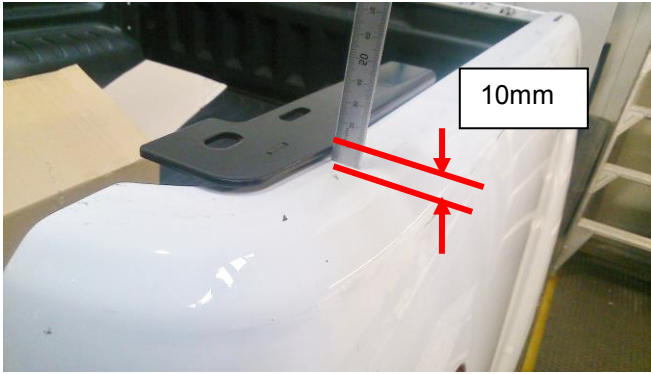
3.19) Slide rear mounting bracket (668AQ001R) between Sport Guard and tub and repeat for other side bracket (668AQ001L).



3.20) Use a screwdriver or other straight object to align spacer in Sport guard through holes in the canopy rear mounting bracket to weldnuts in vehicle's tub. Be careful not to damage the threads.



3.21) Put the retained tie down hooks over the side panel rear spacers and insert M8 Torx screws back through tie down hook spacers in Sport Guard, then through rear canopy mounting bracket and into the tub's weldnuts. Secure, but do not tighten screws yet. Repeat for other side bracket and tie down.



3.22) Set the rear tub mounting brackets at 10mm above tub surface of tub to the top surface of the brackets.



3.23) Clamp rear bracket to side of tub leaving access to hole in bracket.

3.24) Tighten M8 Torx screws on the lower bracket mounting points to **22Nm**.



3.25) Drill a 6.5mm hole using a 10mm drill stop through bracket and tub at the front pinning bolt hole.

Apply rust inhibitor to the hole to prevent corrosion after drilling.



3.26) Insert M6x20mm hex screw with M6 x 20mm flat washer with M6 flange nut on the back, inside the tub lip flange. **Do up to 9Nm.**

Repeat on the opposite RH side of the tub.



3.27) For the other 4 tie down brackets, fit the spacers and plastic spacer retainers from the Sport Guard hardware kit onto the M8 Torx screws.



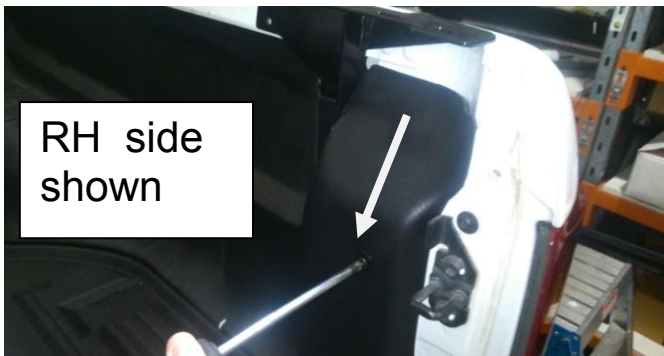
3.28) Align all Sport Guard holes with the vehicle's tub weldnuts in the centre and front corners of the Sport Guard and fit a tie down hook with the spacers and retainers with Torx screws.

Insert the tie down hooks and do up the screws loosely until the spacers on the hooks are within the holes in the Sport Guard's side plastic panels. Do not tighten yet.



RH side shown

3.29) Align all Sport Guard holes with tub's weldnuts on other side and fit the other 2 tie down hooks onto Sport Guard with, spacers, retainers and Torx screws.



RH side shown

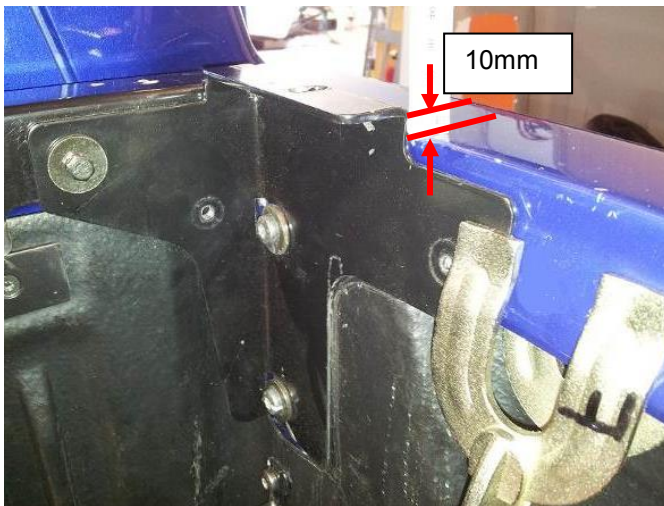
3.30) Fit an M6 screw and washer from Sport Guard kit into Sport Guard at the rear pillar. Do not tighten yet.



RH side shown

3.31) Put RH front bracket (668PD027R) into the front corner of the tub and hold in place with M8 x 25 Torx head screw and a new M8 x 25.4mm flat washers, from the canopy hardware kit in these 2 places.

3.32) Repeat for the other side using bracket (668PD027L).



3.33) Position bracket 10mm above tub height. Use a clamp to secure it in position.

3.34) Check the bracket sits horizontally and is flush with both surfaces of tub. The top surface of the bracket is to be a consistent 10mm height above tub.

3.35) Repeat for the LH side.



RH side shown

3.36) Check the cut-out in Sport Guard allows clearance so the bracket make contact with tub sheet metal all the way around. If plastic of Sport Guard is between bracket and tub preventing full contact, further trimming of the Sport Guard is required to ensure full metal to metal contact.

3.37) When the Sport Guard cut-out is neat around bracket and there is 10mm consistent height and bracket is flush with both the front and side surfaces of tub corner, secure the bracket position with clamp and **tighten Torx screws to 22Nm.**



RH side shown

3.38) Drill a 6.5mm hole through bracket into tub side wall.

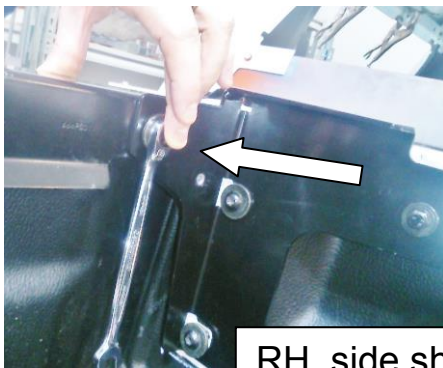
3.39) Repeat the above steps on LH side.

Apply rust inhibitor to the hole to prevent corrosion after drilling.



RH side shown

- 3.40) Insert into the hole an M6x20mm hex screw with M6 x 25mm flat washer with M6 flange nut on the back, inside the tub lip flange. **Do up to 9Nm.**
- 3.41) Repeat front bracket fitment on LH side.



RH side shown

- 3.42) Between the front tub corner mounting brackets and the front head board rail insert M6 x 20 Hex screw, M6 spring washer and M6 x 25mm flat washer. Repeat on other side. **Do these up to 9Nm**



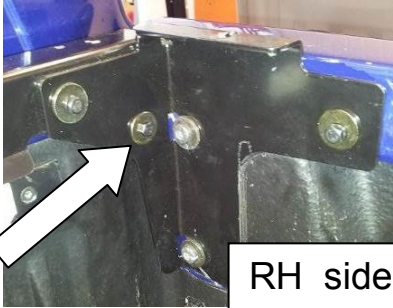


RH side shown

- 3.43) Using a drill fitted with a 12mm deep drill stop to prevent drilling into the front tub sheet metal skin, drill with 6.5mm bit through the hole in the front corner bracket through into the front mount rail bracket (668PD011).



Apply rust inhibitor to the hole to prevent corrosion after drilling.



- 3.44) Place in behind the hole, the weld nut plate (668AQ010) with the flat face of it to the flat face of the inside of the front mount rail.
- 3.45) Insert into the hole an M6x20mm hex screw with M6 x 25mm flat washer and **do the screw up into weld nut plate to 9Nm.**
- 3.46) Repeat on the opposite LH side of the tub. Ensure the leg on the weld nut plate is not seen and is up behind the brackets.

 <p>RH side shown</p>	
	<p>3.47) Tighten all remaining Torx head M8 screws on tie down brackets to 22Nm.</p> <p>3.48) Tighten rear the two M6 screws securing Sport Guard rear pillars in place to 9Nm.</p>
	<p>3.49) The sport guard fitting with canopy mounting brackets is now completed.</p>

SECTION 4: FITTING THE VEHICLE WIRING

	<p>4.1) Remove 9 scrivenets holding the LH wheel arch liner on the vehicle tub, and remove the wheel arch liner.</p>
	<p>4.2) Add a piece of 13mm diameter split convoluted tube cut 1600mm long (not supplied) to the battery eyelet end of the canopy wiring loom in the hardware kit (668PJ012).</p>



4.3) Up under the LH wheel arch locate the fuel filler door actuator motor. Turn the motor housing clockwise towards the outer skin of the vehicle's tub to unclip it.



4.4) Lower the fuel filler door actuator motor down onto the top of tyre. Disconnect it's connector.



4.5) Connect canopy vehicle harness (668PJ012) female connector to the fuel filler door actuator and connect the male connector to the vehicle's original connector. (The connectors to be connected are the 2nd lot in from the rear end of the canopy harness 668PJ012).



4.6) Reconnect the fuel filler door actuator motor back into its original position by turning it in ant-clockwise.



4.7) Using 200mm long cable ties, tie the connector back inside the wheel arch and the wiring loom back to the vehicles main wiring loom on top of the chassis rail.



4.8) Using the connectors at the rear end for the canopy harness, thread these in over the top of the vehicle's LH chassis rail and towards the back of the vehicle.



4.9) Ensure the small white connector stays forwards of this bracket on the vehicle in the wheel arch area.



4.10) It is now best to fit the wiring loom with a vehicle on a vehicle hoist lift. Bring the rear connectors of the canopy harness to the LH rear underside of the vehicle's tub.

4.11) Disconnect the vehicle's wiring harness connector as shown on the inside of the LH chassis rail at the rear of the chassis rail.



4.12) Connect the canopy loom's male connector into the removed vehicle loom's connector on the chassis rail and connect the female connector to the vehicle's wiring harness.



4.13) Cable tie off the canopy wiring loom here with a 200mm cable tie, to the vehicle's wiring loom.

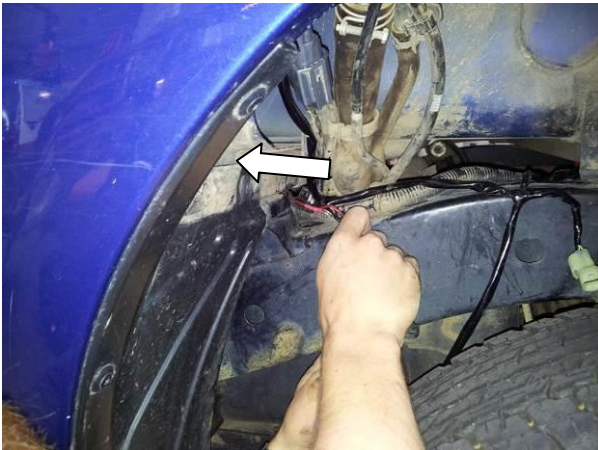


4.14) Forward of the spare wheel, cable tie the loom off on top of the chassis rail the vehicle's loom.

IMPORTANT. Ensure vehicle wiring is placed away from exhaust system and is not cable tied to brake lines, fuel lines or moving components or between flexible mounts.



4.15) Prepare the front battery terminal end of the canopy wiring harness as shown opposite, to tape the eyelet terminals down, this is to aid with threading through the canopy wiring harness to the front of the vehicle.



4.16) Thread the battery terminal end of the wiring harness, towards the front of the vehicle, along the top of the LH chassis rail via the LH wheel arch.



4.17) Pull the loom through above the fuel tank and along the top of the LH chassis rail.

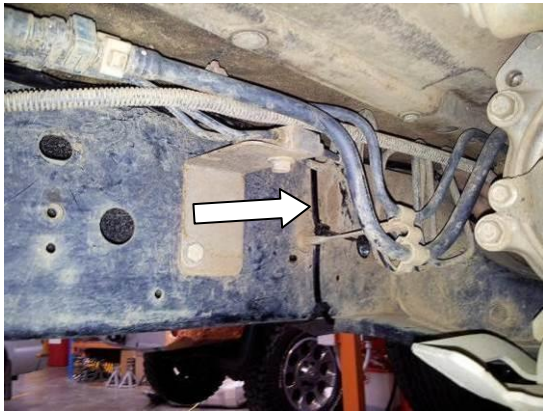


4.18) Using a 600m long cable tie, secure the loom to the top of the LH chassis mount rail just forward of the fuel tank.

IMPORTANT. Ensure vehicle wiring is placed away from exhaust system and is not cable tied to brake lines, fuel lines or moving components or between flexible mounts.



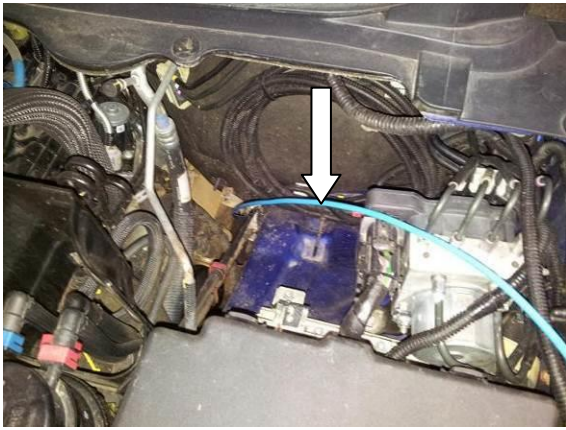
4.19) Using a 600m long cable tie, secure the loom to the top of the LH chassis mount rail at the mid-point.



4.20) Using a 600m long cable tie, adjacent to the transmission, tie off the canopy loom above the LH chassis rail.



4.21) Open the bonnet. Feed a plastic coated draw wire down inside next to the LH side fire wall.



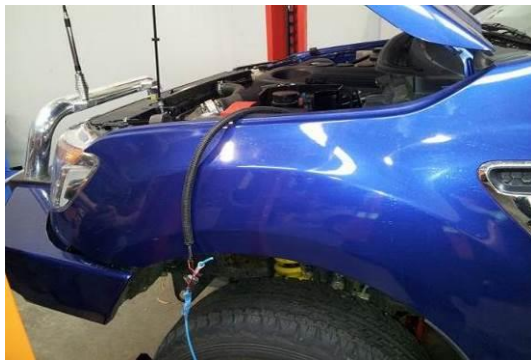
4.22) The position of the draw wire should be away from moving parts and underneath any fuel lines, brake lines, air conditioning pipes.



4.23) Underneath the vehicle, connect the battery terminal end of the canopy loom to the draw wire.



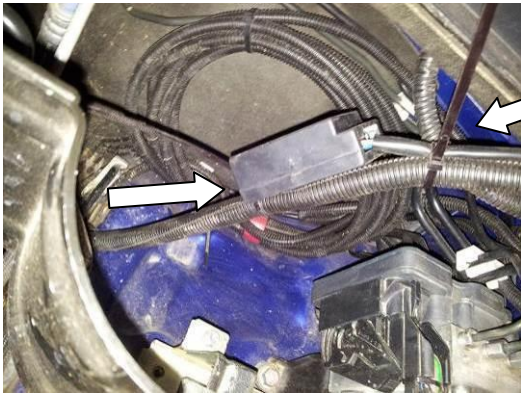
4.24) Forward of the chassis cross member add a 600mm cable tie to hold the loom in place on top of the chassis rail before the loom enters the engine bay.



4.25) Pull the canopy wiring loom up into the engine bay.



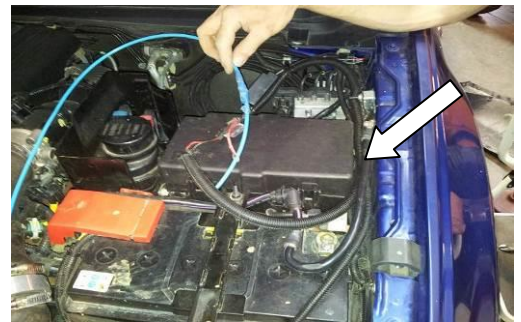
4.26) Connect the vehicle relay box (668PJ015) to the connector on the canopy wiring harness.



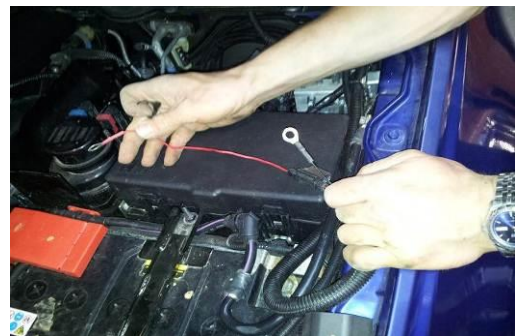
4.27) Cable tie with 200mm long cable ties the vehicle relay box to the canopy wiring harness, above and below the box, to secure it.



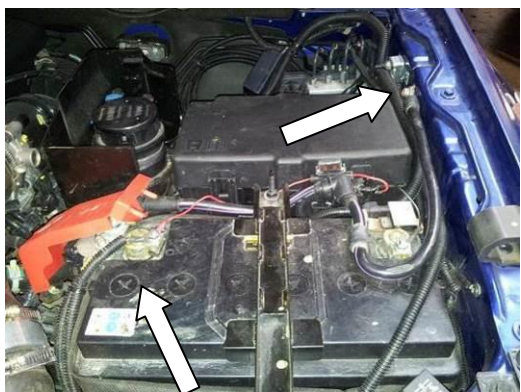
4.28) Cable tie with 200mm long cable tie the canopy harness and vehicle relay box to the canopy to the vehicle's wiring conduit on the LH inner fire wall below the windscreen wiper water deflector moulding.



4.29) Remove the draw wire from the canopy loom and tuck the canopy loom in next to the fuse box under the other cable conduits.



4.30) Unravel the previously taped up eyelet battery terminal end of the wiring harness.



4.31) Using a 10mm socket drive, connect the red wire to the positive terminal on the battery and the black wire to the negative terminal earthed to the car.

SECTION 5: FITTING THE CANOPY



- 5.0) 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.



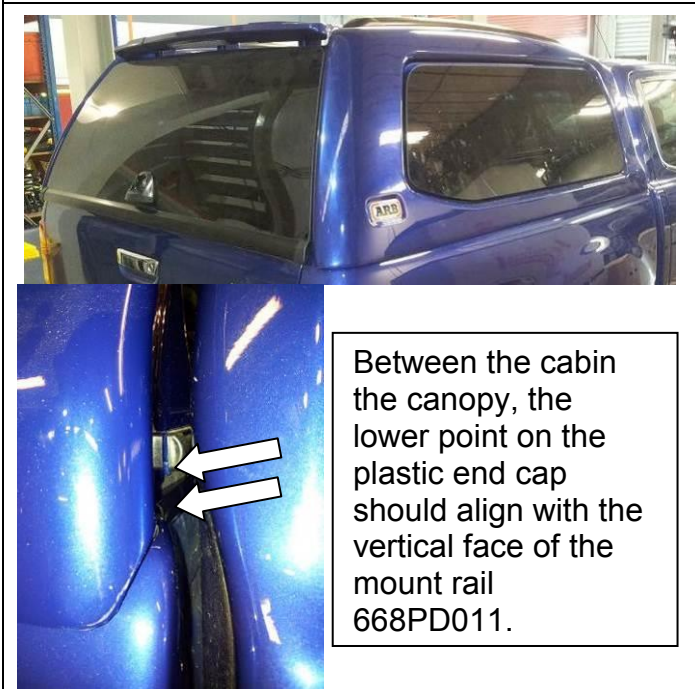
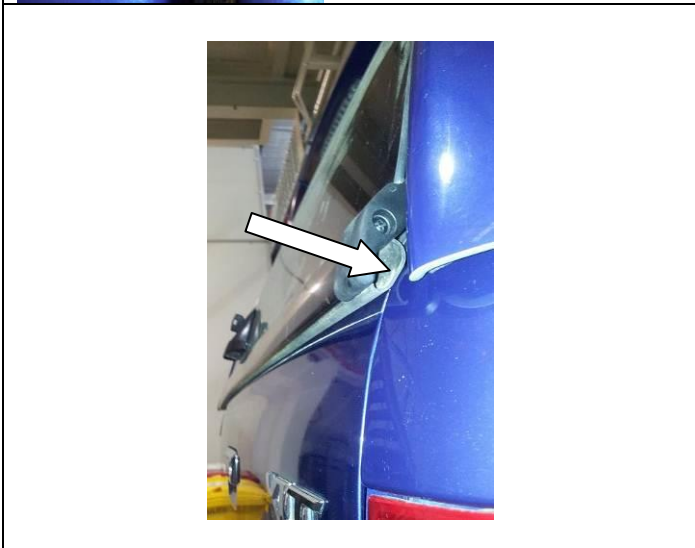


The front lift up window can be unlatched by reaching in underneath and pushing forward on the glass in car position to push the latch button upwards on both latches to unlock the window.



- 5.1) With the rear door of the canopy open, unscrew the M6 x 25 screw and nut retaining the plastic injection moulding on the **inside LH rear** corner of the canopy. **Retain the screw, flange nut and washers for re-use.**

Repeat on the RH side of the canopy.

	<p>5.2) Clean the front window of the canopy on the outside.</p> <p>5.3) Clean the rear window of the vehicle's cabin.</p> <p>5.4) Close the vehicle's tailgate.</p>
	<p>5.5) Cut the cable tie holding the wiring harness to the window frame bracket inside the front corner of the canopy. Using masking tape, tape the harness up over the front LH corner of the canopy.</p>
 <p>Between the cabin the canopy, the lower point on the plastic end cap should align with the vertical face of the mount rail 668PD011.</p>	<p>5.6) Close the canopy's rear door. Using 4 people, lift the canopy from the pallet and place it carefully down onto the vehicle's tub with the front rail moulding at the front of the canopy, level to the front rail on the vehicle's tub.</p> <p>Be careful not to dislodge the foam tape around the inside edge of the canopy shell's lip perimeter.</p> <p>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.</p> <p>When re-positioning the canopy lift the canopy, to avoid dislodging the weather seal underneath.</p>
	<p>5.7) Position the canopy rearward so the lower rear door sash seal JUST contacts the edges of the tub corners above the brake lights on the tub evenly. Measure with a ruler between the lower door sash to the tub to ensure this is even on both sides.</p>



- 5.8) Measure the trim edges of the canopy at the rear sides and at the front both sides, to the vehicle's tub **and make this measurement even on both sides of the canopy.**



Look in the interior and ensure the mounting holes in the steel mount rails on the canopy align to holes in front tub corner mounting brackets and the rear corner tub mounting brackets on both sides of the vehicle.



- 5.9) 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 just and evenly both sides without excessive force on glass to close.
 - The gap is even between the door and frame both sides.



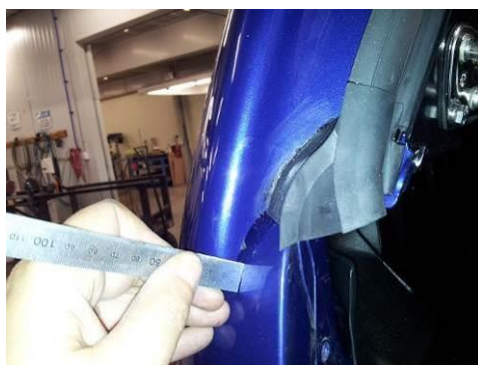
- 5.10) Drop the canopy harness loom down between the cabin and the tub on the LH side.



- 5.11) Connect the canopy wiring connector to the white connector of the canopy wiring harness 668PJ012, at the wheel arch area on top of the LH chassis rail.
- 5.12) Go to the door and press the door push button pad. Check the door opens and the actuator functions to unlock the canopy door
- 5.13) Turn the interior light to the position that the interior light turns off when the door is closed.
- 5.14) **Press the key fob of the car to the unlock position.**



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



5.15) 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 out on the canopy shell mount rail inside and doing up the screws.
Using M8x25 Torx pan head screw and M8x19mm (smaller) washer screw the canopy down at the rear, tightly through the canopy mount rail holes to the rear corner tub mounting brackets with an M8 nyloc nut and M8 x25mm (larger) washer on the underside.


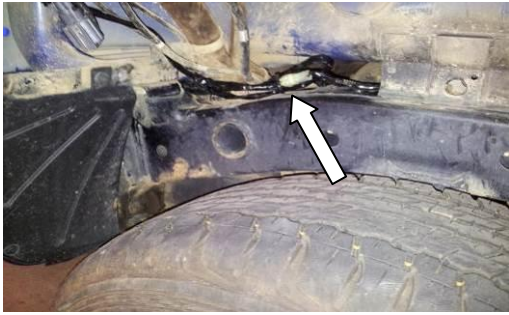



Repeat this on the opposite side.

5.16) **It may be necessary now to adjust the canopy aft to reduce the pressure on the actuator mechanism to allow the door to open properly and evenly both sides.** In doing so please ensure the best seal between the tailgate sash seal on the canopy's door and the vehicle tub at the sides is maintained. 2 people will be required for this to re-adjust the door glass gap at the sides if the canopy has to be moved.

5.17) Check the gap of the canopy shell to the tub in the rear corners near the tailgate above the brake lights the gap **must not be below 5mm**. It should be even on both sides of the canopy.

5.18) Once satisfied with door operation and the canopy is even, **do up the M8 Torx screws to 22Nm.**

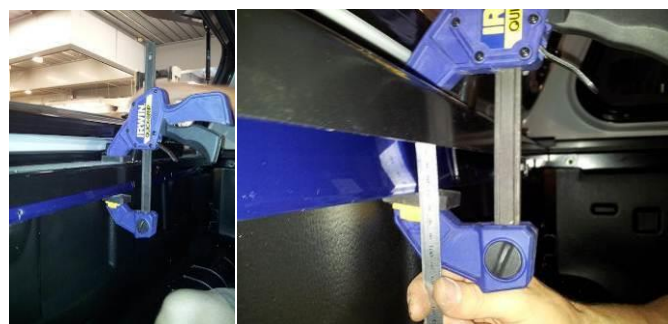
If there are issues with the rear door operation being uneven on each side, refer to Section 6.

	<p>5.19) Using the retained M6 x 25 screw, M6 washer, and M6 larger washer on the bottom and M6 flange nut, screw the corner wing on the injection moulded corner piece down through the rear corner tub mounting bracket on the inside and do up to 7Nm only.</p> <p>Repeat on the opposite side of the canopy.</p>
	<p>5.20) Roll the remaining harness up in the LH wheel arch and secure with a 200m cable tie behind the wheel arch liner.</p>
	<p>5.21) Refit the wheel arch liner with 9 scrivenets retained.</p> <p>Wiring is now complete.</p>
	<p>5.22) Using M8x25 Torx pan head screw and M8x19mm (smaller) washer screw the canopy down at the front tightly through the canopy mount rail holes to the front corner tub mounting brackets with an M8 nyloc nut and M8x25mm (larger) washer on the underside.</p> <p>Do up to 22Nm.</p> <p>Repeat on the opposite side.</p>
	<p>5.23) Locate the push button switch, (if a lift up window is fitted on the canopy), that is between the front of the canopy and the vehicle's tub. Open the window.</p> <p>Repeat on the opposite side if a double lift window canopy is optional.</p>



5.24) Remove the 2 screws in the cover over the latch mechanism using a Philips screw driver and remove the 2 scrivets with a flat blade screw driver. Retain all hardware. Lift the cover off. Uncoil the loom inside to gain access to the mounting hole slot.

Repeat this on the opposite side if a double lift window canopy is optioned.



5.25) Place a Quicklock clamp over the mount rail of the canopy and the sheet metal flange of the tub. **Measure down 60mm distance from the inside of the canopy's mount rail to the edge of the vehicle's tub lip flange to set clamping distance.**



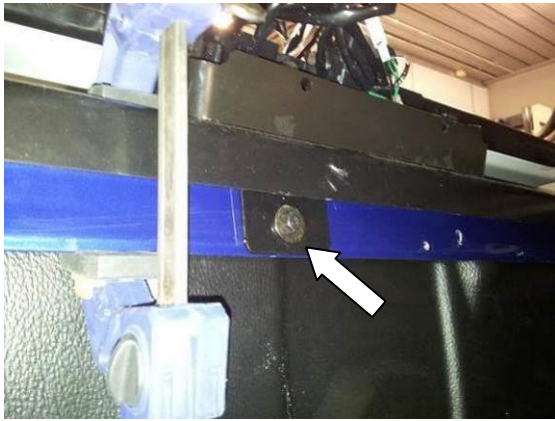
5.26) Place an M8x19mm (smaller) washer over a M8x25 Torx pan head screw and locate this into the slot in the canopy mount rail from the top . Hold this in place using a screw driver and T40 Torx bit.

5.27) Bring the centre mount rail bracket (668PD008) up onto the screw via the slotted hole in the bracket and secure in place with M8x25mm (larger) washer and M8 nyloc nut tightly pushing the bracket hard up to the tub flange.



5.28) Using a 6.5mm drill and fitted with a 12mm deep drill stop to prevent damage to the external skin of the vehicle's tub, drill through the tub lip flange via the hole in the bracket.

De-burr the hole and apply rust inhibitor.



5.29) Place into the hole M6 x 20mm screw, with M6 x 25mm flat washer under the head, and on the inside of the tub's return flange an M6 Flange nut and do up to **9Nm**.

5.30) Do up the M8 torx screw in the mount rail to **22Nm**. Release the G clamp.

5.31) Refit the lock mechanism cover, 2 self-drilling philips screws and 2 scriveners after re-coiling the loom inside the bracket on the window frame underneath the cover. Ensure the wiring is positioned where it cannot interfere with the operation of the locking mechanism.

Repeat on the opposite side if a double lift window canopy is optioned.

5.32) **If a Pop out window is optioned** on the canopy, locate the slots in the mid pint of the centre mount rail and **repeat steps 5.25 to 5.30**.



5.33) View the lower rear door sash and apply masking tape to the vehicle's tailgate level with the door sash.

5.34) Open the canopy's door. Starting overlapped about 10mm with one end of the tailgate, in the location as shown, and above the line of the masking tape to be used as a guide for location, roll out the clear protection tape (665037) and start partially by removing the tape backing liner. Leave the overhang on the opposite side.



- 5.35) Once in position push out bubbles and wrinkles working from one end of the tape with a squeegee. Trim the clear tape both ends level with the tailgate ends and smooth off.





Remove the masking tape.

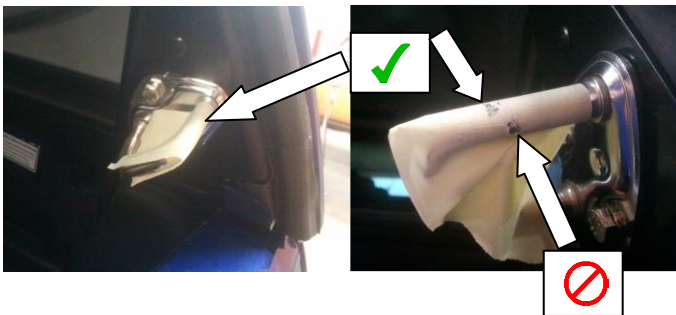
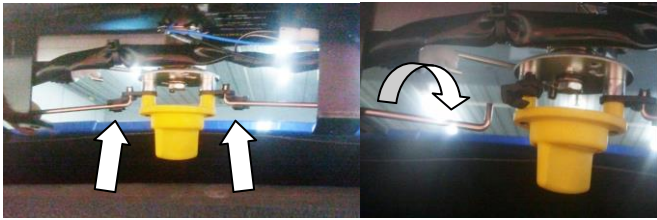


- 5.36) Open and close the tailgate. See if the corner seals on the lower frame get jammed in the tailgate. Trim these until satisfied with the clearance to the tailgate with sharp scissors.
- 5.37) Water test the canopy around all windows and joins to the tub, with high pressure hose.
- 5.38) **Ensure the last 2 pages of this instruction are discussed with the customer and are given to the customer.**

SECTION 6: OPERATIONAL CHECKS AND ADJUSTMENT OF DOORS AND WINDOWS

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

	<p>6.0) Move the interior light switch to the position where it will turn off when the door is closed and turn on when the door is opened.</p>
	<p>6.1) Depress the vehicle's brake pedal and have a second person check that the brake light works in the spoiler.</p>
	<p>6.2) Remove the key from the rear door handle and combine this with the key on taped inside the canopy on top of LH base rail. Then the 2 keys should be added to the customer's key ring.</p>
 <div data-bbox="384 1384 770 1503" style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Press the button underneath to operate electric door actuator mechanism.</p> </div>	<p>6.3) 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 the latch pawls on the sides of the door glass with your fingers on both sides. Slowly turn the interior door release handle and listen to hear if both latches click open at the same time.



- 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 and length 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:

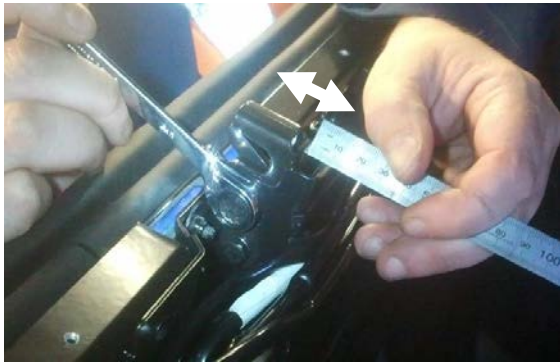
- Place one thickness of masking tape around the striker bar where the latches contact. Open and close the door. If the tape shown signs of wear through on the top side or underneath of the striker bar, it is necessary to adjust the striker away from the side on which the wear is shown. The aim is only 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.



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



- Remove the rotary latch cover (see step 5.24).



- 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 socket on the rotary latch on the frame. Place one thickness of masking tape around the striker bar where the latches contact. Open and close the window. 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 side of the striker bar not above or below in closed position.
- Two 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 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. Undo the screws and move the latch out a 1mm at a time and retighten to 9Nm and test the window until it opens and closes.
- Refit the cover over the latch mechanism and ensure wiring inside is coiled up neatly and cannot interfere with the latch mechanism.

IMPORTANT: CHECK ALL SCREWS TORQUES PERIODICALLY TO MAKE SURE THEY ARE TIGHT, AS SOME SETTLING MAY OCCUR



SECTION 7: OWNERS MANUAL SUPPLEMENT (Fill in and give to customer).

ARB - Ascent Canopy AC54 - Ford Ranger PX

KEY CODE (Write it in boxes opposite)

L				
---	--	--	--	--

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.
- 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

- Do not drive with windows or doors open, other than the pop out 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 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.
- The clear rear tailgate protection tape can be replaced periodically to minimise paint scuffing on the vehicle's tailgate.



SECTION 8: ARB FITMENT CHECKLIST (TO BE FILLED IN - RETAIN THIS RECORD).

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

ARB - Ascent Canopy AC54 - Ford Ranger PX			
Dealer Name and code:		Date:	
Vehicle registration:		Vehicle Vin No:	
Number of Kms:		Order No:	
Canopy serial number: (left inside corner on canopy pillar on inside of ARB badge recess)		Canopy window type (tick): AC54A Double pop out <input type="checkbox"/> AC54B Lift up /pop out <input type="checkbox"/> AC54C Double lift up <input type="checkbox"/>	
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 2			
Canopy positioned on tub front to back and side to side evenly and there is adequate clearance to the vehicle's cabin.			
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 6)			
Door rear door push button switch functions to open the door both side simultaneously.			
Door functions with both keys to turn to open.			
Door lower sash seal contacts the tailgate evenly.			
3 way position interior light switch is set to come on with door open.			
Tailgate clear protection tape is applied and free of bubbles.			
Lift up windows operate via push button to pop out open and close manually.			
Pop out window latch functions to lock in the open position and will lock in closed position.			
The roof vent functions.			
Water test with high pressure hose has been completed around all windows and join to canopy bed 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 owners supplement pages and owner's manual supplement (Section 7) copy given to the customer and explained.			
Comments:			
Fitted by:			
Checked by:			