

# **ARB** FITTING INSTRUCTIONS

## DUAL CAB CLASSIC CANOPY

### Isuzu DMax / GM Colorado 2012+ Dual Cab Canopy



**FITTING KIT: 6174921, SEAL KIT: 6171422, FRONT RAIL: 668PD046**

**! 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, at least 2 people will be required to lift the canopy onto the vehicle).**



#### FITMENT:

- For Bed Liners, additional time for fitting is required and trimming of bed liners is required. **Fitting with under rail bed liners is recommended ONLY (ARB part number KUL1359 or Sport guard part number 10051584).**  
In addition, it will suit Isuzu Genuine accessories under rail bed liner **94778436**.
- Cabin Guards and Sports Bars **must** be removed prior to canopy fitment. These components can be returned to the customer if required.
- When fitting the ARB canopy vent, fitment of the vent is easier prior to fitting the canopy to the vehicle and before internal frame installations. **The vent must be fitted to the front of the canopy if a roof rack is to be fitted.**

#### 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	
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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 0-25Nm</li><li>• Sockets ¼", 10 &amp; 13mm, socket extension bar and driver</li><li>• Spanners, ratchet type, 8, 10 and 13mm.</li><li>• T30 Torx Driver</li><li>• Tape measure</li><li>• 150mm ruler</li><li>• Power or pneumatic drill</li><li>• Drill bits 5mm, 6.5mm, 12mm, 14mm</li><li>• 12mm deep drill stops for 5mm and 6.5mm drill bits.</li><li>• Knife</li><li>• Sharp scissors</li><li>• File or sheet metal de-burring tool</li><li>• Metal primer touch up paint</li><li>• Engineer's scribe</li><li>• Sheet metal vice grip clamp</li></ul>	<ul style="list-style-type: none"><li>• Quicklock G clamp</li><li>• Centre punch</li><li>• Silicon Caulking Gun</li><li>• <u>Neutral cure</u> Non-Acetic Silicon</li><li>• Phillips head screwdrivers</li><li>• Flat blade screwdrivers</li><li>• Side Cutters</li><li>• Wire stripping tool</li><li>• Non-permanent marker</li><li>• Electrical tape</li><li>• Masking tape</li><li>• Plastic Squeegee</li><li>• Cleaning cloths / rags</li><li>• Angle grinder and cut off wheel</li><li>• Cable ties 6 off 450mm long (not supplied)</li><li>• Cable ties 8 off 200mm long (not supplied)</li></ul>
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**FITTING THE CANOPY IS UNDERTAKEN IN THE FOLLOWING STAGES:**

1. **Removing any sports bars & bed liners and sealing the tub**
2. **Fitting the tub mounting brackets. (Note details of fitting with bed liners refer to Section 7)**
3. **Fitting main seal before the canopy is fitted.**
4. **Fitting the canopy to the vehicle**
5. **Wiring of the canopy to the vehicle**
6. **Fitting the bed liners**
7. **Owner's manual supplement**
8. **Fitment check list**

**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 USED TO AVOID RUST & ANY SWARF LEFT OVER SHOULD BE CLEANED FROM THE TUB.**

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

**REQUIRED SCREW TORQUES:**

**M6=9Nm**

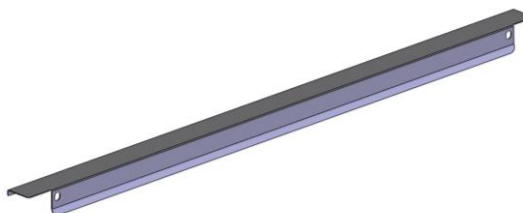
**M8=22Nm**

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


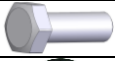











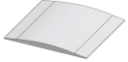

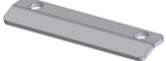
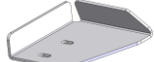
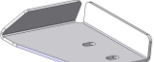
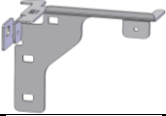

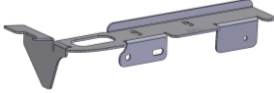
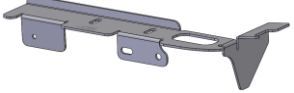


**THE FITTING KIT CONSISTS OF:**

Packed under the canopy are:

668PD046 Front Mount Rail




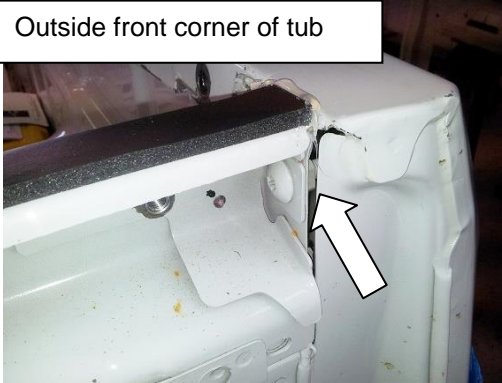


	Part No	Picture	Qty	Description
<b>1. 6174921 MAIN CANOPY HARDWARE KIT</b>	6821135		2	TUBE CONVOLUTED M7 BLK 250mm LONG
	668PB014		1	1650 x 26 x 6 FOAM TAPE
	665037		1	ROLL- CLEAR TAILGATE PROTECTION TAPE 30MM WIDE
	6821132		2	GROMMET 3/8 ID <b>(ONE FOR SHEET METAL SECOND ONE USE WHEN FITTING BEDLINER)</b>
	665076		3	BUMPON STRIP OF 5 PIECES
	665505		1	RUST INHIBITOR SACHET
	665044		1	PRIMER STICK
	180701		1	SCOTCH LOCK (14-18 AWG)
	6821134		1	FUSE HOLDER BLADE TYPE
	6821273		3M	WIRE 0.75MM RED CUT 3 METRE
	6821127		1	3 AMP BLADE FUSE
	CR07		0.5M	7MM CONVOLUTED TUBE BLACK (BULK)
	668PB010		1 Pair	TUB SEALING BLOCK - FOAM
	668PB023		1 PAIR	REAR SEALING PAD – FOAM TAPE
	6151625		12	M8 x 25 TORX PAN HEAD SCREW - BLACK

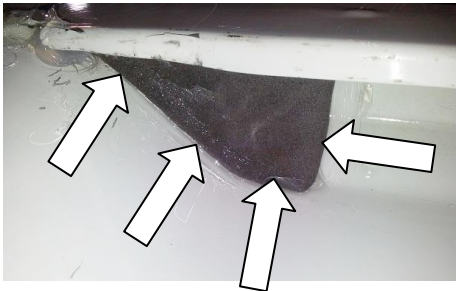
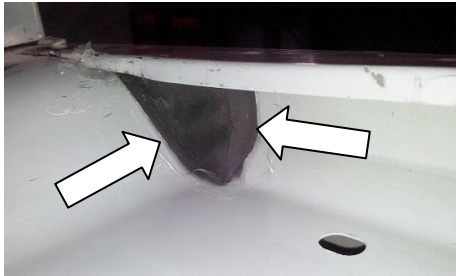
	4581303		12	M8 x 25.4 x 3mm WASHER - BLACK
	6151546		8	M8 x 25 BLACK HEX HEAD SCREWS
	4581307		16	M8 X 20 X 2mm FLAT WASHER - BLACK
	6151212		8	M8 X 1.25 BLACK NYLOC NUT
	6151213		14	M6 X 20mm BLACK HEX HEAD SCREWS GD 8.8
	4584310		8	M6 X 25 X 2.8mm FLAT WASHER BLACK
	4581082		6	M6 x 20 x 1.2mm FLAT WASHER - BLACK
	4581287		4	M6 x 2.5 x 1.6mm SPRING WASHER - BLACK
	6151173		10	M6 WIZZLOCK FLANGE NUTS - BLACK
	668AQ010		2	BRACKET – NUT PLATE
	6250026		2	18 OD x 6.5 ID x 6 SPACER - BLACK
	6250027		12	18 OD x 8.5 ID x 6 SPACER - BLACK
	6609087		2	RIVET POP 3/16" DIA GRIP 4.8-11.1
	668PM005		1 Pair	PAIR OF RUBBER SELF-ADHESIVE TUB CORNER SEAL BRIDGES
	3759852		2	CENTER TUB MOUNT BRACKET
	6582445		2	CANOPY CLAMP - FRONT
	3750205R		1	BRACKET REAR CORNER RH
	3750205L		1	BRACKET REAR CORNER LH
	3759968R		1	BRACKET RH FRONT TUB MOUNT D-MAX
	3759968L		1	BRACKET LH FRONT TUB MOUNT D-MAX
	3759969R		1	BRACKET RH REAR TUB MOUNT D-MAX
	3759969L		1	BRACKET LH REAR TUB MOUNT D-MAX
<b>2. 6171422 CANOPY SEAL KIT</b>	9009177		5 M	BEDRAIL SEAL
	6602018		2	ALCOHOL WIPES

**SECTION 1: PREPARING THE VEHICLE TUB – REMOVAL OF SPORTS BARS & BED LINERS AND SEALING THE TUB.**

- 1.1) Remove any sports bars fitted on the front bed rail of the vehicle's tub.
- 1.2) The sports bar will need to be removed if fitted and returned to the customer if requested to do so.
- 1.3) Remove and retain all bed liner components and tie down hook hardware.

**SEALING THE VEHICLE'S TUB**

<p>Inside front corner of tub</p>  <p>Outside front corner of tub</p> 	<p><b>NOTE:</b></p> <p>The front corners of the tub where the arrows are shown are not sealed ex-factory on both sides. It is necessary to seal these areas before the canopy is fitted.</p> <p>(Tub shown removed from vehicle for clarity)</p>
 <p>Push foam block up and forwards into the hole in front corner under side tub rail.</p>  <p>Align rear edge of the foam block so it snaps into the edge of the sheet metal up under the front tub</p>	<p>1.4) 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 so it snaps in place.</p> <p><b>Repeat this on the opposite side.</b></p>

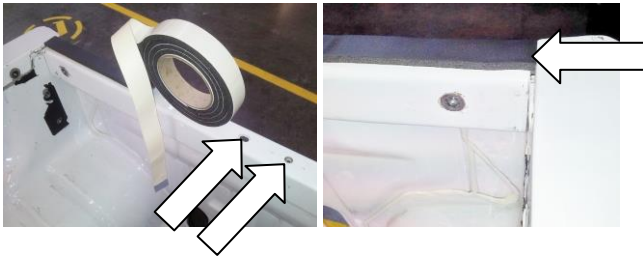


- 1.5) Spray water using a spray bottle around the foam block to aid in applying silicon cleanly. Then apply neutral cure silicon around all edges of the foam block where it contacts the tub sheet metal and clean up.

**Repeat this on the opposite side**

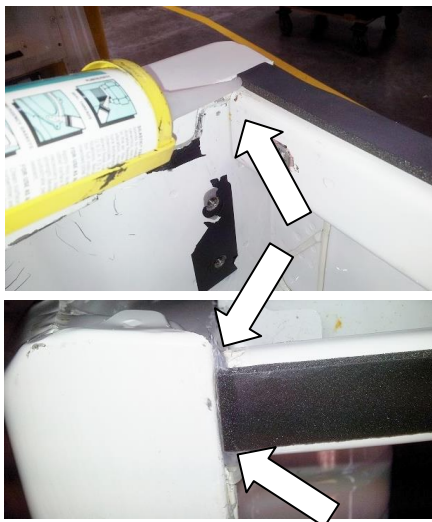
## **SECTION 2: FITTING THE CANOPY TUB MOUNTING BRACKET SYSTEM**

**IF BED LINERS ARE TO BE FITTED, REFER TO SECTION 7 PRIOR TO FITMENT**



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.**

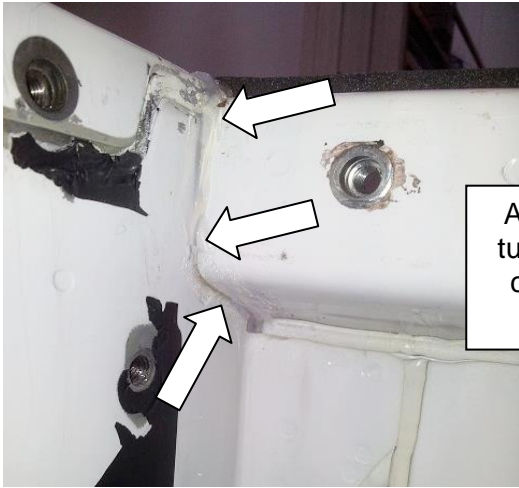
- 2.0) Clean the front tub rail at the back of the vehicle's cabin with Isopropyl Alcohol and a lint free rag. Starting from the inside edge of the side tub rails, apply soft foam tape (668PB014) seal along the top face of the front of the vehicle's tub, so that it covers the upwards facing holes. Trim tape level to butt up to the inside of the side tub rail on the opposite side.



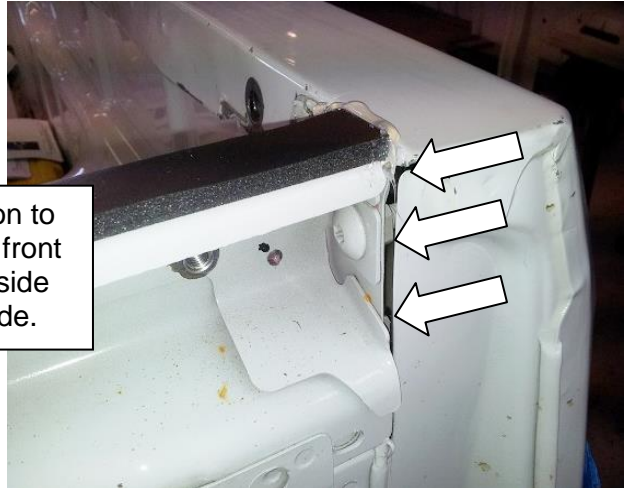
- 2.1) Apply neutral cure silicon to the ends of the foam tape on both sides of the tub, and spatula this down level to the top of the foam tape. It is important that the area between the tape and the sheet metal is also well sealed on the vertical end faces of the foam tape about the width of the tape, 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.  
See next page.**

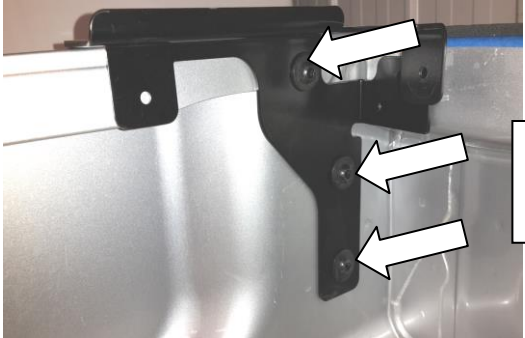


Apply silicon to tub joins in front corners inside and outside.



2.2) To a pair of front corner tub mounting brackets (3759968R&L), apply self-adhesive bumpers (665076) to the two tags on each bracket. These legs are to sit with the bumpers face down touching the top edge of the vehicle's tub once the bracket is fitted

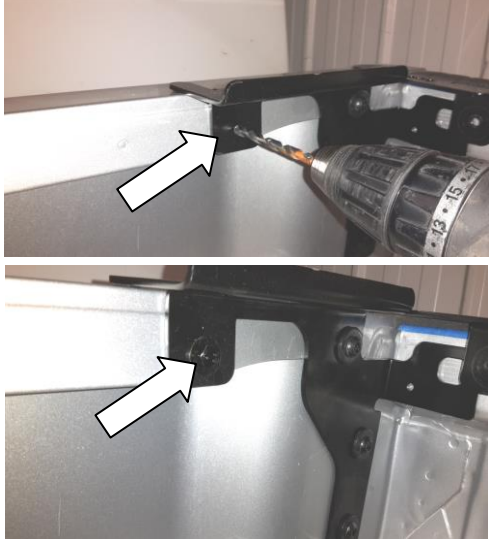
**IF FITTING BED LINER GO TO SECTION 6.0**



2.3) Place in the LH **front** corner of the tub the front tub mounting bracket (3759968L) fit screws to the three holes on the side of the tub and **Tighten to 22Nm**

Use from the kit M8 x 25 Torx head screw (6151625) (use T40 bit) and M8 x 25.4mm flat washers (4581303) in these 3 places.

**Repeat on the opposite side using the opposite hand tub mounting bracket**



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

**Apply rust inhibitor around the hole.**

2.5) Insert into the hole an M6 x 20mm (6151213) Hex Screw with M6 x 25mm Flat Washer (4584310) under the head and M6 Flange Nut (6151773) on the back, inside the tub lip flange.

**Tighten to 9Nm**

**Repeat on the opposite side using the opposite hand front tub mounting bracket**



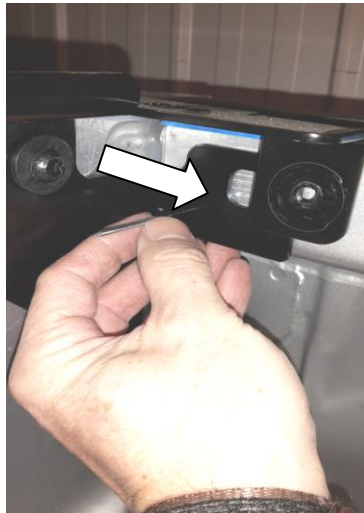
2.6) There are 2 alternatives to fixing the front tags of the front tub mounting brackets to the front wall of the tub:

**Option A:**

If a sports bar has been fitted, existing nutserts will be mounted in the front wall of the tub.

**For Option A:**

Fit M8 x 25 Torx head screws (6151625) (use T40 bit) and M8 x 25.4mm (4581303) flat washers. Do these screws up to **18Nm**



2.7) **Option B:**

If no nutsert exists, the front legs of the mounting brackets are to be riveted to the front tub wall.

**For Option B:** Drill a 5.2mm hole through the hole already provided in the brackets through the front tub sheet metal wall using a drill stop set to 10mm deep.

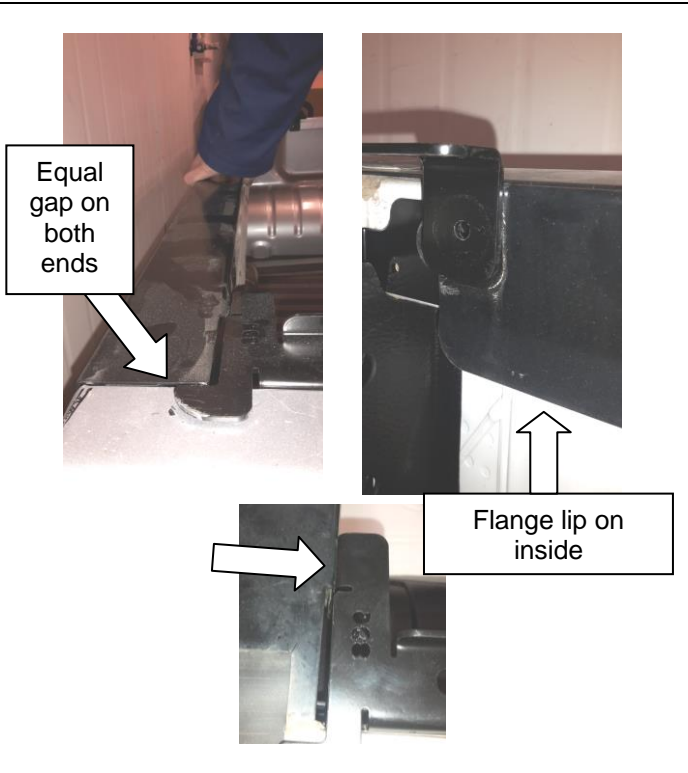
**Apply rust inhibitor to the holes.**

Fit a pop rivet (6609087) to the hole in each front tub bracket and secure them in place.

**Repeat for the opposite side**







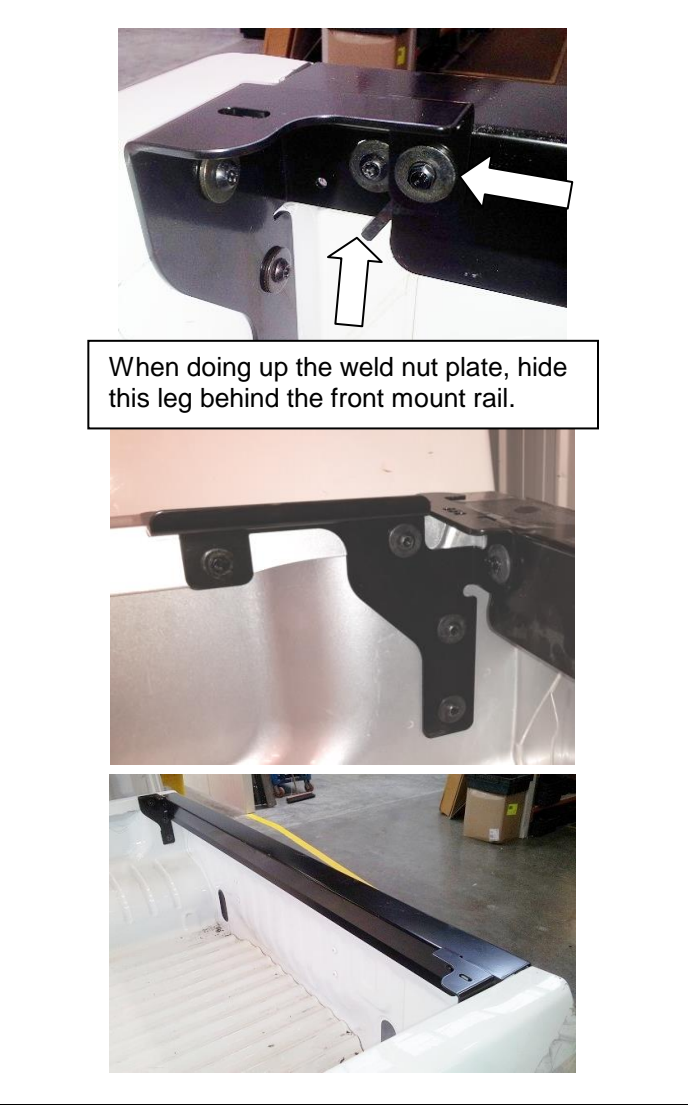
2.8) Place 668PD046 front tub mount rail over the front of the tub, foam tape and top lip of the bed liner (if fitted). The “C” section shape of the bracket is to point down and the small flange lip on the bracket is to be orientated to the inside of the tub to retain the top edge of any bed liner (if bed liner is fitted).

Align the front tub mount rail so the ends of it have equal gaps to the vehicle’s side tub walls and inner face is against the mating Front Mounting Brackets.

Then align the holes in the end of rails with the 2 holes in the in the tags of the front tub mounting brackets.

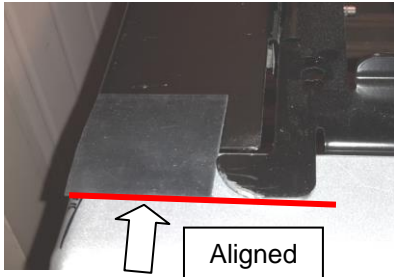
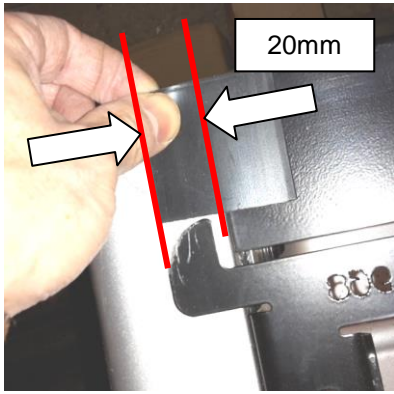
**!! IMPORTANT !!**

Push down on the front mount rail at the ends so that it is level to the top face of the vehicle’s side tub walls while doing the screws up. A clamp can be used to hold the front rail level with the top face of the side tub walls.



2.9) Insert into the holes in the front corner brackets on both sides an M6x20mm hex screw (6151213) with M6 spring washer (4581287) and M6 x 25mm flat washer (4584310) and do the screw up into **weld nut plate (668AQ010) on the inside of the front mount rail to 9Nm.**





**Align seal bridge front edge 5mm rearward from the front edge of front mount rail and 20mm over onto the side tub rail. Do this on both sides.**

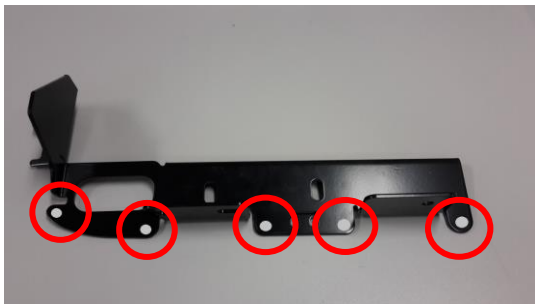
2.10) Apply to either end of the front mount rail a bridge seal (668PM005), by removing the backing paper off the adhesive side and sticking it down to the dimensions shown opposite. The ramp profile should go between the front header rail and the side of the tub as a bridge.

**!! IMPORTANT !!**

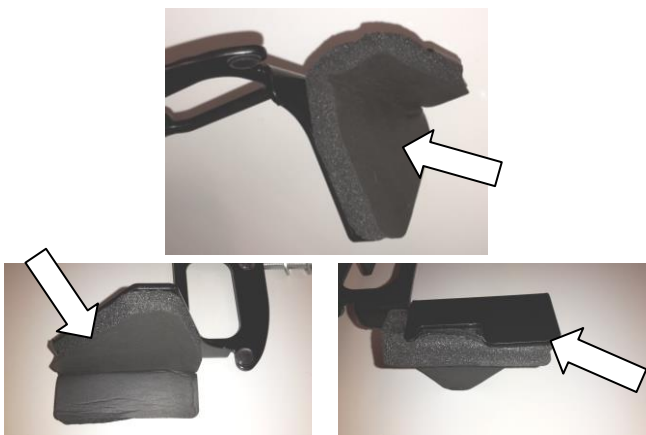
**POSITION THE SEAL BRIDGE EACTLY AS SHOWN OR FRONT CORNER WATER LEAKS COULD OCCUR**



2.11) Apply silicon to the join areas underneath the bridge seal to stop water leaks. The bridge seal provides a transition from the front tub mount rail to the top of the side tub walls to provide a sealing surface to the seal that is mounted on the underside of the canopy.

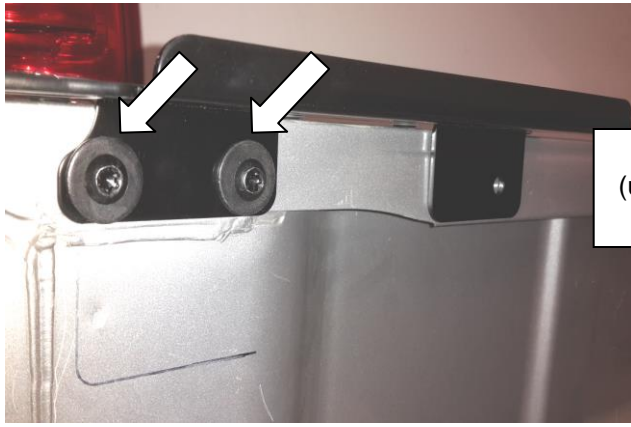


2.12) Prepare a pair of rear tub mounting bracket (3759969R&L) with self-adhesive bumpons (665076) applied in 5 places as shown. These legs are to sit with the bumpons face down touching the top edge of the vehicle's tub once the bracket is fitted



2.13) Apply Foam Pad 668PB023 to the rear of the Rear Mounting Brackets as shown opposite by aligning the foam pad with the edges of the bracket

**Repeat for the opposite hand**



2.14) Remove the existing screws from the rear top corners of the tub. Place LH rear tub mounting bracket (3759969L) over the holes.

Use from the kit M8 x 25 Torx head screw (6151625) (use T40 bit) and M8 x 25.4mm flat washers (4581303) in these 2 places and **tighten to 22Nm**.

**IF FITTING BED LINER GO TO SECTION 7**

**Repeat on the opposite side using the opposite hand tub mounting bracket**



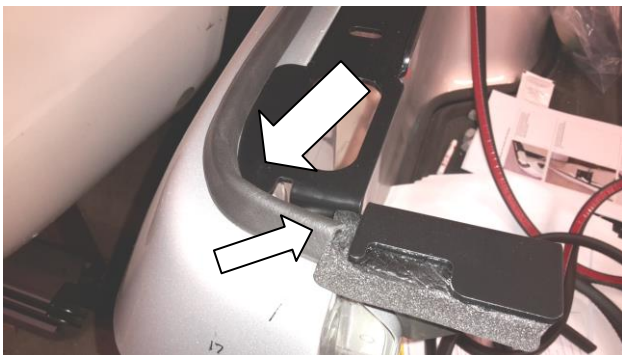
2.15) Drill the hole in the front of the bracket using a 6.5mm drill bit to a depth of 15mm using a drill stop. Apply rust inhibitor to the hole.

Insert into the hole an M6 x 20mm Hex Screw (6151213) with M6 x 25mm (4584310) Flat Washer under the head and M6 Flange Nut (6151173) on the back, inside the tub lip flange. **Tighten to 9Nm**

**If fitting a Bed Liner, place 6250026 behind the bracket prior to fitting.**

**Repeat on the opposite side using the opposite hand tub mounting bracket.**

**SECTION 3: FITTING THE SEALS**



3.0) From the seal kit (6171422), clean the top of the vehicle's side tub rails down using alcohol wipes. Apply the seal (9009177) in the orientation as shown,

**Starting at the rear and against the foam pad.**

This side to the outside of the vehicle





- 3.1) Align the seal along the sides of the tub. Ensure the seal inner edge is aligned to touch the tags on the rear corner brackets on the inner edge.

**Apply the seal with firm pressure to the tub.**

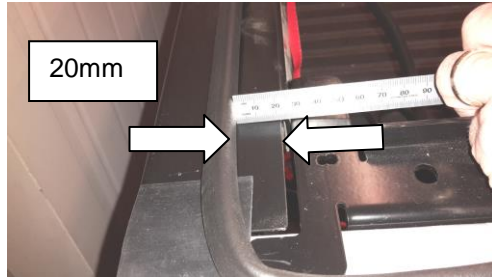


- 3.2) Around the front corners of the tub, apply the primer stick (665044) to the front rubber bridges. (Break the vial at the dots by squeezing and wet out the felt tip to apply the primer). Allow the primer to dry.



- 3.3) Apply the seal along to the front bracket at an even offset to the inside of the tub. Ensure the seal inner edge is aligned to touch the tags on the front corner brackets on the inner edge.

**Apply the seal with firm pressure to the tub.**

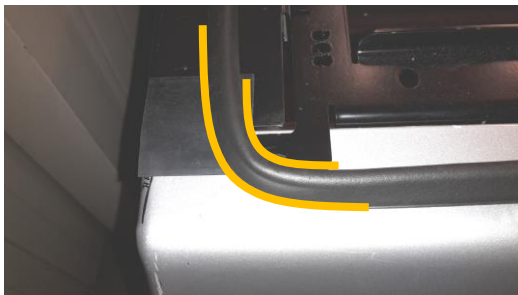


3.4) Curve the seal **without puckering around the front corners** and apply it **no further forwards than half the width of the rubber seal bridge**. **Ensure the double-sided tape on the seal goes up the ramp of the tub bridge and is not stepped up across the corner of the tub bridge which could cause water leaks.** Apply firm pressure to the seal over the tub bridge rubber extrusion.

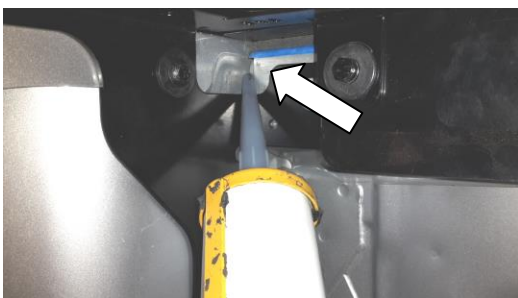
3.5) Apply the seal along the front head board bracket **aligned at 20mm offset between the inner edge of the seal and the inner edge of the head board rail.** Apply the seal with firm pressure to the tub.



3.6) Finish applying the seal to the other side of the tub.



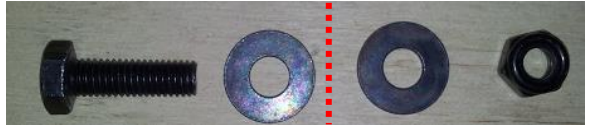
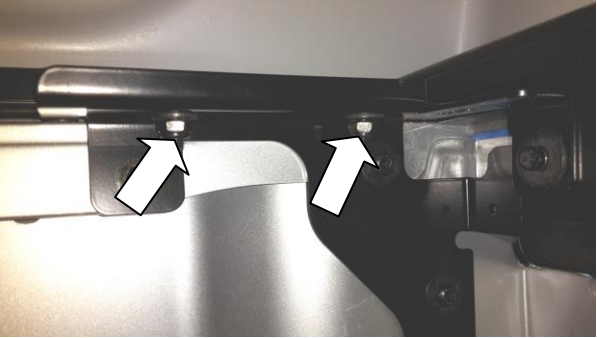
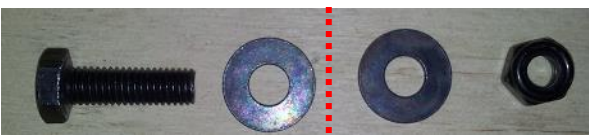


3.7) Apply neutral cure silicon to edge of the bed seal around the front corners both inside and outside of the seal. Clean off excess with a rag applied sparingly with silicon remover or wax and grease remover carefully.



3.8) Apply neutral cure silicon to inside of each end of the rail top corners. Clean off excess with a rag and silicon remover or wax and grease remover carefully.

**SECTION 4: FITTING THE CANOPY**

 <p>25mm Minimum Must not be less</p>	<p>4.0) Close the vehicle's tailgate. Lift the canopy onto the vehicle with 2 people. <b>Avoid dragging the canopy on the seals mounted on the tub as this could dislodge them.</b> Lift and place the canopy down onto the vehicle's tub. Open the door and tailgate. <b>The holes in the rear base rail corner inside, should align to the centres of the slots on the rear tub mounting brackets. <u>Ensure the canopy is evenly aligned on both sides to the tub and to the vehicle's cabin.</u></b> Ensure pressure from the door lower glass edge to the tailgate is not excessive</p> <p><b><u>There MUST BE 25mm or more clearance from the canopy front pillars to the vehicle's cabin rear pillars. This is easily measured by inserting a socket or round object with a 25mm outer diameter between the canopy and cabin.</u></b></p>
 <p>5-7mm</p>	<p>4.1) Align the holes in the base rail so the slots are centred to the rear tub mounting brackets.</p> <p><b><u>Ensure the gap between the door glass and the door frame is even, and between 5 and 7mm.</u></b> Through the holes in the rear corner brackets fit M8x25mm hex bolts (6151546) with M8x20mm washers (4581307) down through the holes in the top of the canopy's base rail. Apply M8x20 washer (4581307) and M8 nyloc nut (6151212) up from underneath and <b><u>tighten to 22Nm</u></b> to the rear tub mounting brackets.</p> 
	<p>4.2) Through the holes in the front corner brackets fit M8x25mm hex bolts with M8x20mm washers down through 6582445 Canopy Clamp making sure the clamp is bearing down on the canopy base rails. Apply M8x20 washer and nyloc nut up from underneath and <b><u>tighten to 22Nm.</u></b></p> 



- 4.3) Locate the hole in the centre of the base rail on the inside of the canopy. Clamp bracket (3759852) to the tub lip aligning the top hole in the base rail of the canopy. Apply an M6x20mm hex bolt (6151213) with M6x20mm (4581082) washer down through the hole in the top of the base rail. and **tighten to 9Nm.**

**Do this on both sides of the vehicle.**



- 4.4) Drill a 6.5mm through the uppermost hole location in the (3759852) brackets with a 12mm deep drill stop fitted. Remove any swarf.



- 4.5) Apply rust inhibitor to the holes. Fit M6 x 20 mm hex bolt (6151213), M6 x 25mm flat washer (4584310) through the bracket and on the inside secure with M6 wizzlock (6151773) flange nuts. **Tighten to 9Nm.**



- 4.6) Cut the lower door gutter seals in line with the top of the tailgate on both sides of the door so they just touch the top of the vehicle's tailgate





- 4.7) Cut the lower door sash seal attached to the glass on the door at both ends to match the corners of the glass.



- 4.8) Fit both 3750205R&L rear corner brackets to bed rails using M6 x 20 bolts, M6 x 20 washers and M6 flange nuts. Position in the corner close to but not touching the door frame.

**Do nuts up to 9Nm**



- 4.9) With the tailgate down and door open, apply neutral cure silicone up into the rear corner tailgate sealing bracket areas, between the tub and the door frame and canopy base rail and on the inside between the bracket, door frame and shell to fully seal. Clean up excess and smooth the silicone down on the inside of the canopy.





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



4.11) Starting at the edge of the tailgate, roll out the clear protection tape (665037) and start partially by removing the tape backing liner as small section at a time.



4.12) Push out bubbles and wrinkles as the tape is being laid down, working from one end of the tape with a squeegee.

Trim the clear tape at the end level with the end of the tailgate.

Remove the masking tape at completion.

## SECTION 5: WIRING THE CANOPY

### IMPORTANT

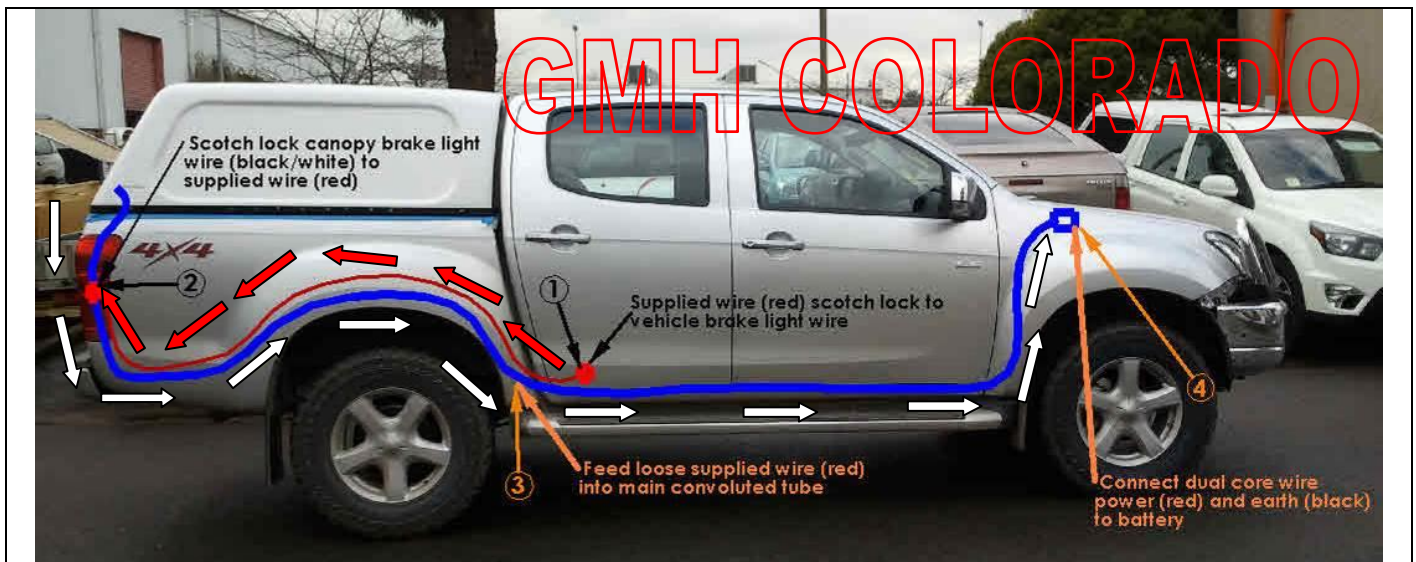
#### WIRING INSTALLATION IS DIFFERENT FOR GMH COLORADO AND ISUZU DMAX

Splicing into the rear taillights of a Colorado will cause the canopy brake light to run when the vehicles clearance lights are activated.

THE FOLLOWING INSTRUCTIONS ARE DIVIDED INTO TWO SECTIONS FOR COLORADO / ISUZU DMAX

IF FITTING THE CANOPY TO THE ISUZU DMAX; Go to page 21

### COLORADO WIRING ONLY



### GMH COLORADO



5.1) Go to the right-hand side rear door. Using panel removal tools, carefully remove the bottom kick panel and pinch weld seal. Using the removal tools pry the rear corner cover piece away, exposing the metal surfaces.

5.2) Locate the high mount stoplight power wire. This should be PURPLE/WHITE. **Double check all wires**, as to ensure the seat belt pre-tensioners or interior light are not picked up.

# GMH COLORADO



5.3) Scotch lock the loose 0.85mm red wire to the vehicle brake wire. Cut the PURPLE/WHITE wire on the brake side of the Scotch Lock to disconnect the high mount stop light. Tape the scotch lock to avoid rattles



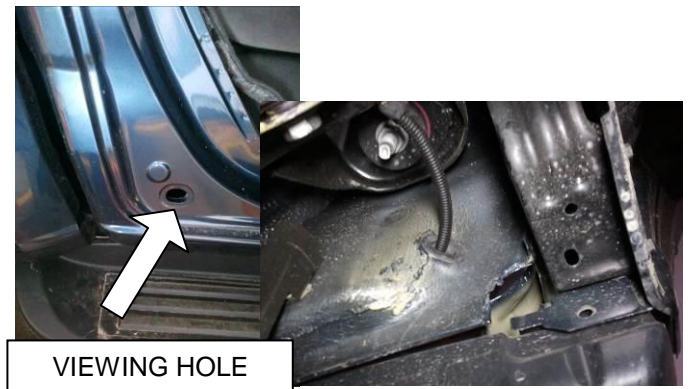
5.4) Drill a 12 mm hole into the sheet metal into the cavity in the lower rear corner as shown. Deburr the hole, thoroughly clean away any swarf. Paint any bare metal to prevent corrosion.



EXISTING SLOT UNDERNEATH VEHICLE IN THIS SECTION



Underneath the vehicle, locate and remove the slot shaped grommet which leads into the rear corner cavity where shown.



VIEWING HOLE

5.5) Using convoluted tube, and grommet. Feed the red wire from the cabin into the rear corner cavity.

Feed the wire and tube out of the cavity through the lower slot.

Cut the slot shaped grommet to fit over the convoluted tube. Reinstall the slot shaped grommet with convoluted tube.

**NOTE: A trace may aid installation through the cavity. It is possible to "view" inside the cavity, by removing the outer grommet shown in the picture above.**

# GMH COLORADO

5.6) Remove tail light assembly right hand side. Do this by first undoing the 2 screws in the tailgate opening. Then push the light backward



5.7) Drill 12mm hole through ute body / liner as shown. Deburr and paint any bare metal, clean away any swarf.

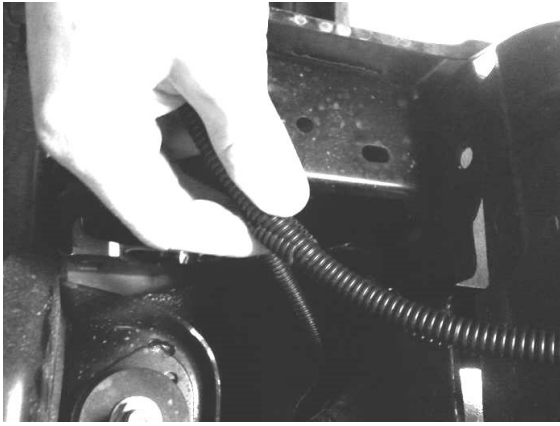


5.8) Run 2 Core Sheathed Wire (RED Positive BLACK Negative) and Stop Light (BLACK WHITE Positive) from the door frame through 250mm length of conduit in behind rear taillight. Fit grommet to hole in body. Fit the conduit to the doorframe and through the ute body / liner.



5.9) Continue feeding convoluted tube with dual core wire down the chassis rail to the red wire exiting the cabin, avoiding any sharp hot or moving objects. DO NOT CABLE TIE THE CONVOLUTED TUBE YET. Feed the loose red wire through the convoluted tube back up into the tail light cavity. Scotch lock the LOOSE RED wire to the canopy brake light wire (BLACK/WHITE). Test the brake light to ensure it works.

# GMH COLORADO



5.10) Splice the convoluted tube exiting the cabin to the main tube as shown in the diagram. Tape the splice to prevent dust entering.  
**GO BACK AND CABLE TIE THE CONVOLUTED TUBE EVERY 300mm.**  
Continue routing the convoluted tube with the dual core wire down to the front of the vehicle avoiding any sharp hot or moving objects. Cable tie every 300mm.



5.11) At the battery fit the Scotch Lock Blade Fuse Holder to positive (RED) wire and fit to the positive battery terminal. Fit the negative (BLACK) wire to the negative battery terminal.  
Fit the Blade Fuse and **TEST ALL LIGHTS.**

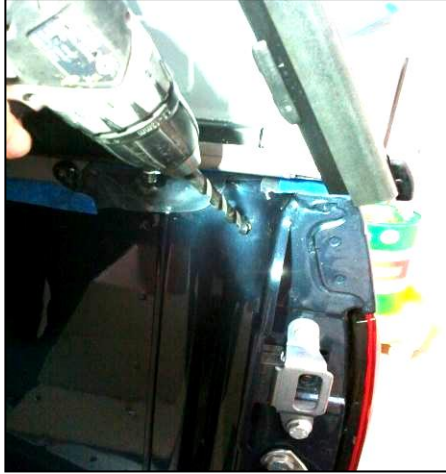
# ISUZU DMAX



5.12) Remove tail light assembly right hand side. Do this by first undoing the 2 screws in the tailgate opening. Then push the light to the side.

# ISUZU

# DMAX



5.13) Drill 12mm hole through Ute body / liner as shown. Deburr hole and apply rust inhibitor to bare metal, clean away any swarf.



5.14) Run 2 Core Sheathed Wire (RED Positive BLACK Negative) and Stop Light (BLACK WHITE Positive) from the door frame through 250mm length of conduit in behind rear taillight. Fit grommet to hole in body. Fit the conduit to the doorframe and through the ute body / liner.



5.15) Locate the RED wire running to the top black plug of the tail light. Fit the CANOPY BLACK/WHITE wire to the VEHICLE RED wire using the scotch lock.

# ISUZU DMAX



- 5.16) Remove the rear drivers scuff plate to expose the wiring loom
- 5.17) Locate the vehicle's High Mount Stop Lamp Wire (RED-SILVER RINGS). Cut the wire at least 30mm away from any connector and fold back. Tape over both ends of the exposed wiring.

Note:- On some models, the wire may be on the opposite side of the vehicle. Rear LHS scuff plate is to be removed and above step completed.



- 5.18) Continue routing the convoluted tube with the dual core wire down to the front of the vehicle avoiding any sharp hot or moving objects.

Cable tie off every 300mm.

At the battery fit the Scotch Lock Blade Fuse Holder to positive (RED) wire and fit to the positive battery terminal.

Fit the negative (BLACK) wire to the negative battery terminal.

Fit the Blade Fuse and TEST ALL LIGHTS.

## **SECTION 6: BED LINER FITTING WITH CANOPY TUB MOUNTING BRACKET SYSTEM**

If no bed liner is to be fitted, proceed to fit the canopy as per Section 2.

If an OEM bed liner is already fitted to the vehicle, remove the bed liner and retain hardware and re-fit as instructed Refer to steps 6.17 to 6.29

The canopy will suit fitment to ARB bed liner P/N: KUL1359. Refer to steps 6.1 to 6.9

For an ARB sport guard P/N: 10051584 Refer to steps 6.10 to 6.16.

Tailgate liners in all cases should be trimmed as per step 6.30 onwards.

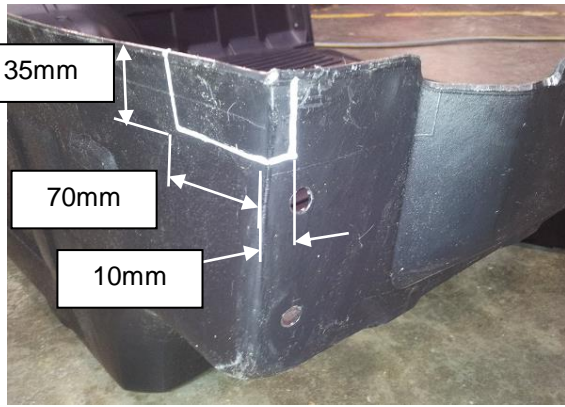
### **ARB BED LINER (P/N: KUL1359) – FRONT BRACKETS ONLY TO BE FITTED PRIOR TO LINER**



- 6.1) You will need to trim the bed liner to provide clearance to canopy corner mounting brackets in the vehicle tub.

**The following steps are based on fitment to the ARB under rail Bed Liner. This is based on fitting a new bed liner.**

(ARB bed liner P/N: KUL1359)



6.2) 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 bed liner using a jig saw and sand the cut edge.

6.3) Drill out existing holes in the front corners of the bed liner to 20mm diameter

**Repeat this on the opposite corner in mirror image.**

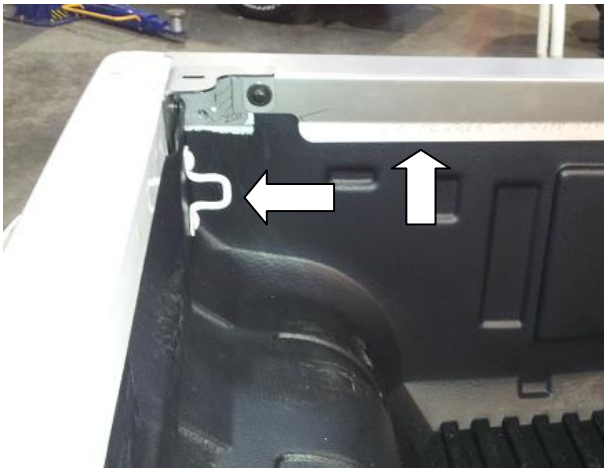


6.4) Shown opposite is the LH rear corner of the bed liner. Drill out the existing holes to 20mm diameter.

**Spacers from the canopy hardware kit to suit M8 bolts (6250027) and spacers for M6 Bolts (6250026)** are to be used in these holes to space out the rear mounting brackets from the liner.

**Repeat this on the opposite side.**

**Fit the bed liner and then install canopy tub mounting brackets from step 2.2 to 2.7**



6.5) Remove the 2 torx bolts previously fitted to the front tub mounting brackets.

6.6) Fit the bed liner under the canopy front mounting bracket tags at the front the vehicle's tub by lifting the rear of the bed liner up and hooking it under the bracket tags at the front.

6.7) Refit the 2 torx bolts including any tie down hooks and 8.5mm ID spacers (6250027) to the front tub corner canopy mounting brackets and tighten to **22Nm.**

6.8) Fit the front head board rail bracket (668PD046) **as per steps 2.8-2.11**

6.9) Fit the liner as per its fitting instructions prior to fitment of the rear mounting brackets **as per step 2.12 to 2.15 complete section 3,4,5 and section 6.30 onwards.**



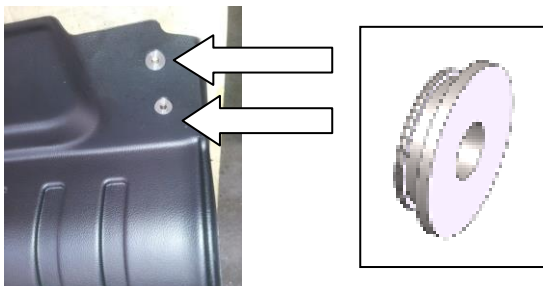
**ARB SPORT GUARD (P/N: 10051584) – FRONT BRACKETS ONLY TO BE FITTED PRIOR TO LINER**



6.10) **Complete all sections up to 2.1 first. Fit Front canopy mounting brackets top 2 bolts only as the lower 2 bolts must pass through the bed liner using spacer washers to support tie the standard down brackets.**

For the side panels of the Sport Guard (LH side shown), drill out the front two top holes to 20mm diameter. Deburr holes.

**Repeat for the RH side panel.**



6.11) **Snap in the large spacers from the Sport Guard hardware kit on the visual face side of the side panels. A screw driver will help to lever them to snap them in.**

**Repeat for the RH side panel.**



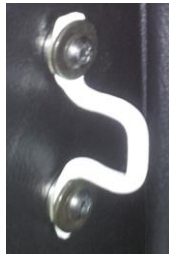
6.12) On the back of the Sport Guard side panels (LH shown) drill out the two holes to 20mm diameter.

**Spacers from the canopy hardware kit are to be used in these holes to space out the rear mounting brackets from the liner (6250027) for M8 bolts and (6250026) for M6 bolts.**

**Picture opposite shows drilled holes in position.**

**Repeat for the RH side panel.**

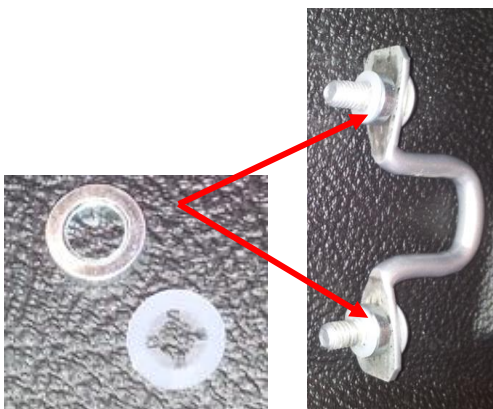
**Fit the Sport guard to the tub of the vehicle.**



6.13) Fit the canopy front tub corner mounting brackets (668PD044L&R) **as per steps 2.2 to 2.7 - but do not assemble the lower 2 bolts in the bracket yet.**

6.14) Fit the front head board rail bracket (668PD046) **as per steps 2.8 to 2.11**

6.15) Assemble two tie down hooks with the following parts: M8x25 Torx bolts (6151626) with M8x25x3mm thick black washers (4581303) under their heads through the hooks from the canopy hardware kit. Then insert the hooks through the 8.5mm ID metal spacers (6250027) and through Sport Guard into the weld nuts in the vehicle tub. **Tighten to 22Nm.**



6.16) Assemble the two rear tie down hooks re-using the retained torx bolts painted in vehicle body colour. On the other side of the hooks, assemble the steel spacers and plastic spacer retainers from the Sport Guard kit. Assemble these through the holes in the rear pillars of the side panels of the Sport Guard and **tighten to 22Nm.**

**Return to steps 2.12- 2.15 and continue fitting spacers on the bracket through the holes in the tub liner. Complete section 3,4,5 and section 6.30 onwards.**

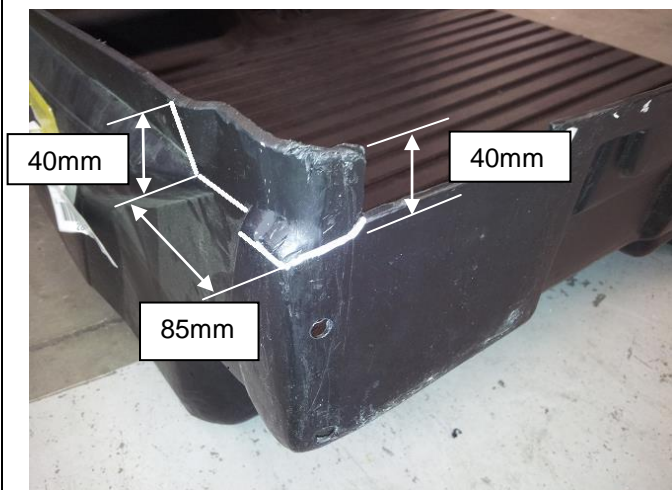
**OEM HOLDEN UNDER RAIL BED LINER (P/N: 94778436)**



6.17) 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: Complete all sections up to 2.1 first, Fit Front canopy mounting brackets top 2 bolts only as the lower 2 bolts must pass through the bed liner using spacer washers to support tie the standard down brackets.**

**The following steps are based on fitment to the Colorado OEM Under Rail Bed liner.**



6.18) Mark out the front LH side of the bed liner on the side that is against the vehicle tub as shown. Cut the bed liner using a jig saw and sand the cut edge.

Shown after cutting.

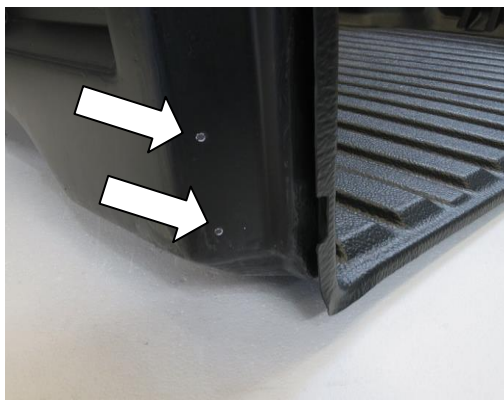


**Repeat this on the opposite corner in mirror image.**



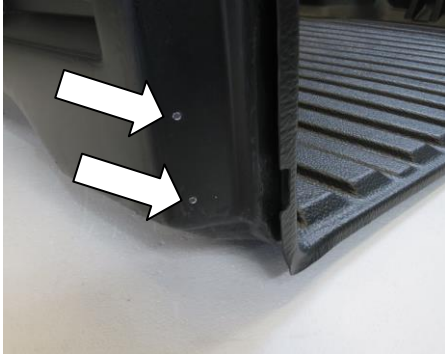
6.19) Mark FRONT tie down holes on both Left and Right hand sides of the liner.

6.20) These require spacers to be fitted later. Drill 5mm pilot holes



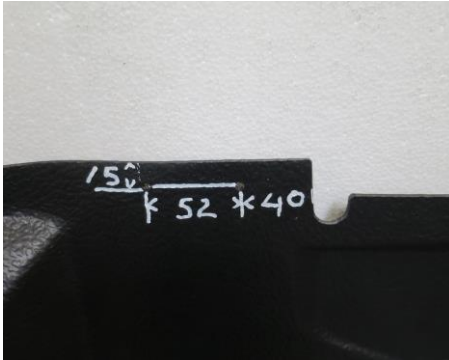
6.21) Mark REAR Lower tie down holes on both Left and Right hand sides of the liner. These are marked on part by dimples moulded in.

6.22) These require spacers to be fitted later. Drill 5mm pilot holes



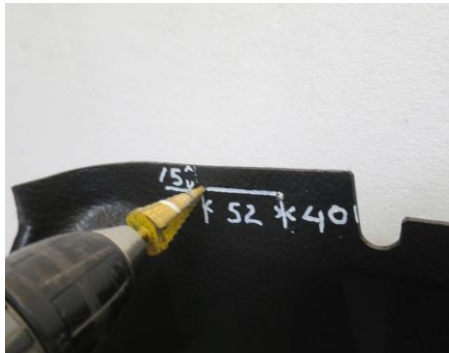
6.23) Mark REAR Lower tie down holes on both Left and Right hand sides of the liner. These are marked on part by dimples

6.24) These require spacers. Drill 5mm pilot holes

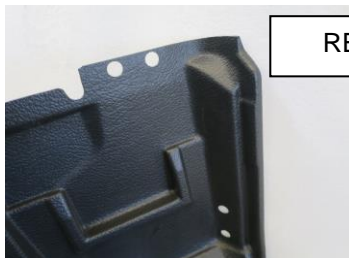


6.25) Mark REAR Mount Bracket holes on both Left and Right hand sides of liner.

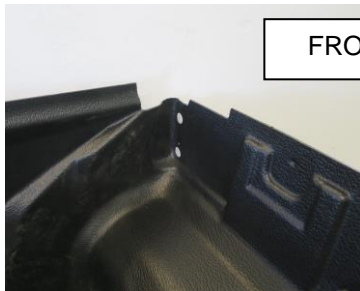
6.26) These require spacers to be fitted later. Drill 5mm pilot holes.



6.27) Use step drill and drill to 20mm diameter for all mount points which require spacers.



REAR Right



FRONT Right

6.28) The completed trim should look like that in the pictures opposite

**FRONT Mount Bracket**



6.29) Refit the bolts, tie down hooks and spacers (6250027) from the canopy's hardware kit to the front tub corner canopy mounting brackets, the rear tie down mounts and tighten to 22Nm.

**REAR Lower Tie Down Point**



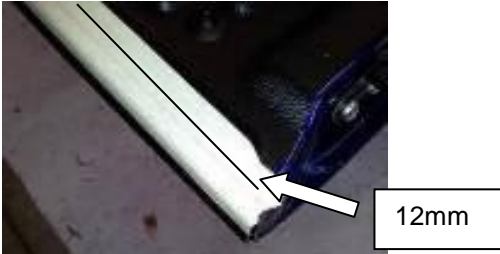
6.30) Refit the bolts, tie down hooks and spacers to the rear lower tie down mounts and **tighten to 22Nm.**



6.31) Refit the bolts and spacers (6250026 & 6250027) from the canopy's hardware kit to the rear tub corner canopy mounting brackets and tighten to 22Nm.

**Return to step 2.2 and complete fitting using the spacers as described when fitting the tub mounting brackets.**

## OVER-RAIL TAILGATE LINER – IF SUPPLIED



6.32) Apply masking tape to the inside top edge of the tailgate liner.

6.33) Mark a line across the width of the tailgate liner 12mm down from the top of the tailgate.



6.34) Cut the top lip off the tailgate liner using a jig saw and sand the edge.

6.35) It may be also required to trim the side edge of the liner to make a neat appearance as shown at the arrow.

6.36) Then fit the tailgate liner as per the bed liner fitting instructions.





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

**ARB – CL/P66/66/67 – Isuzu DMax / Holden Colorado**

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 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 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 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. 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.
- 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 – CL/P66/66/67 – Isuzu DMax / Holden Colorado			
Dealer Name and code:		Date:	
Vehicle registration:		Vehicle Vin No:	
Number of Kms:		Order No:	
Canopy serial number: (On top of door brake light)		Canopy window type (tick): <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 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>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:			