



FITMENT INSTRUCTIONS

TOYOTA HILUX REVO DC & XC Canopy Camper and ModCAP Camper

Installation Instructions

Preliminary information

Installation and fitment instructions includes the tools required, fasteners included in the kit, and the hardware included in the kit.

Please follow the instructions and check installation steps with the images in this document.

Alu-Cab recommends that all sealing work is allowed to cure for 24 hours, after which you may drive the vehicle on normal paved roads. Before driving off-road with your Alu-Cab product or operating your roof conversion, an additional cure period of 48 hours is required.

Failure to follow these instructions will void your warranty. Please ensure that you follow the sealant manufacturers curing time as per their technical data sheet.

These times may differ slightly from the times we have recommended.



Service Enquiries email
queries@alu-cab.com

DISCLAIMER

Safety Notice – Lifting and Handling of Product

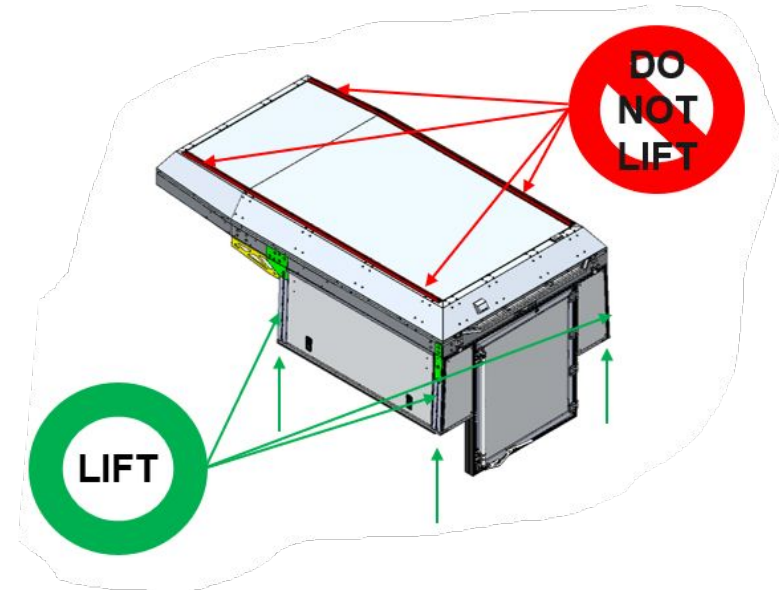
Do not attempt to lift, move, or suspend the canopy, canopy camper, or any related product using eyebolts, eye nuts, or any components attached to the cargo rails or roof accessory tracks.

These points are not engineered or rated for lifting loads and may result in serious injury, product damage, or failure if used.

For all lifting and handling operations, only use approved lifting methods such as:

- A forklift positioned securely beneath the base structure, or
- Outrigging poles attached to the designated lifting brackets supplied or approved by Alu-Cab.

Always ensure lifting equipment and methods comply with applicable safety standards. Improper lifting may void the warranty on this product.



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Installation Instructions

Canopy Camper Fitment – Tools, Fasteners & Hardware

1.1

Tools & Items Required

10mm Ring Spanner/Socket
13mm Ring Spanner/Socket
5mm Allen Key

1.2

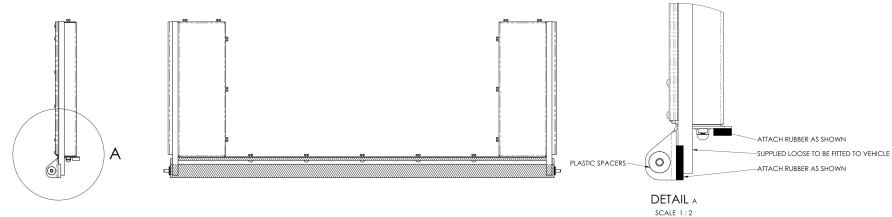
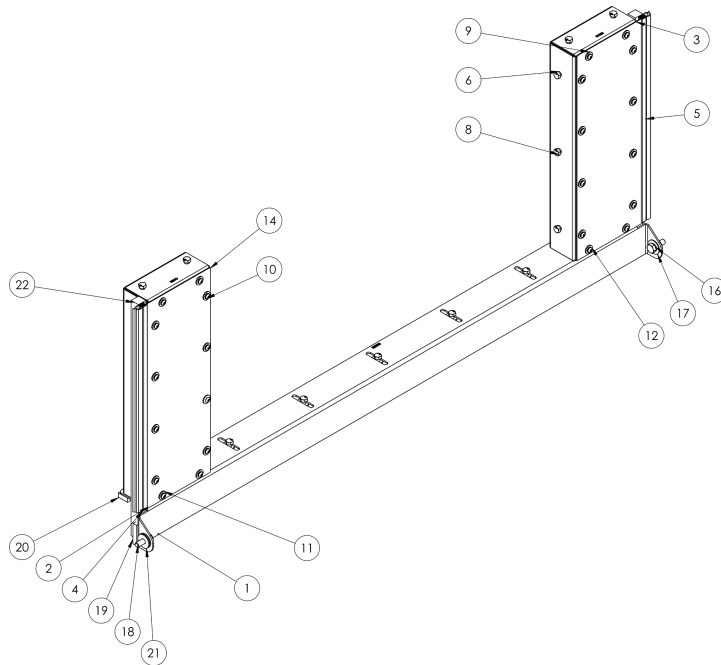
Items

Turpentine
Cloth
Black sealant, silicone or Sikaflex
Window Cleaner

Installation Instructions

2

Hardware supplied: Rear Filler Assembly



ITEM NO.	PART NUMBER	Revision	DESCRIPTION	QTY
1	162-REVO-BOT-SUPP-BRKT-01	05	BOTTOM SUPPORT BRACKET	1
2	162-REVO-INNER-BOX-LH-01	02	INNER BOX LH	1
3	162-REVO-INNER-BOX-RH-01	02	INNER BOX RH	1
4	162-REVO COV PLT-LH-01	02	COVER PLATE LH	1
5	162-REVO COV PLT-RH-01	02	COVER PLATE RH	1
6	FFW-M8		M8x20mm OVERSIZED WASHER S/S - DIN 9021	15
7	NY-M8		M8 NYLOC NUT S/S	15
8	HEX-M8x20		M8x20 HEX BOLT S/S	15
9	CAGE-M6		M6 CAGE NUT	26
10	BHD-M6x16		M6x16 B/HD BOLT S/S	26
11	FFW-M6		M6x18mm OVERSIZED WASHER S/S - DIN 9021	26
12	SW-M6		M6 SPRING WASHER S/S	26
13	NCAP-M8		NUT CAP-08mm	15
14	162-REVO-SPNG-RUB-325 - (1500mm)	00	SPONGE RUBBER - 3X25mm	2
15	RUB-BS - (0.5m)	00	Side Rubber Seal	2
16	SW-M10		M10 SPRING WASHER S/S	2
17	FFW-M10		M10x30mm OVERSIZED WASHER S/S - DIN 9021	2
18	HEX-M10x30		M10x30 HEX BOLT S/S	2
19	RUB-FM - (1400mm)	00	EPDM FOAM STRIP - 48x10	1
20	SPNG-RUB-1025-(1320mm)	01	SPONGE RUBBER (SBR) - 25x10	1
21	PW-M10X30	00	PLASTIC WASHER (NYLON) - (ID-10mm ; OD-30mm ; 2.5mm THICK)	4
22	SPNG-RUB-SBR-2020-(550)		SPONGE RUBBER - SBR 20X20	2

NOTE the supplied mounting kit works on both double cab and extra cab Toyota Hilux

Installation Instructions

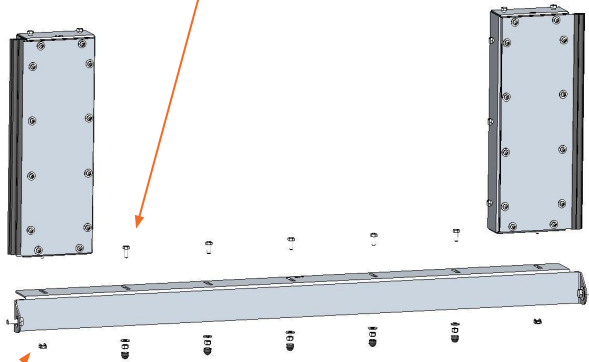
3

Filler Panel Assembly:

Fit lower door frame to filler panel assembly as shown. Assemble side filler panels and bottom support first and then attach it to the vehicle

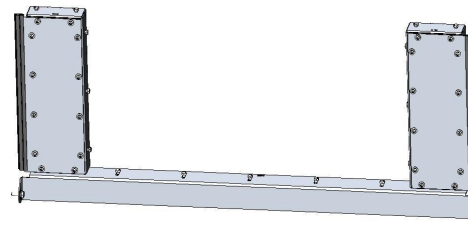
3.1

Place the hex bolts in the load bar track and then fasten the load bar down onto the bottom support with nuts underneath the bottom support



3.2

Attach the side fillers to the bottom support

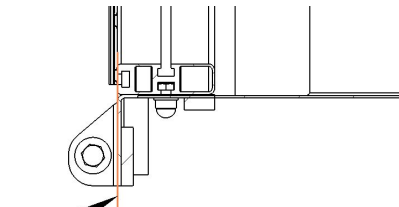
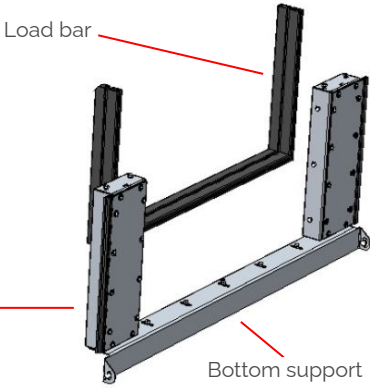


Example: Side fillers connected to bottom support

Load bar

Side filler

Bottom support



ALIGN BOTTOM CHANNEL
TO THE LOWER
DOOR FRAME

Installation Instructions

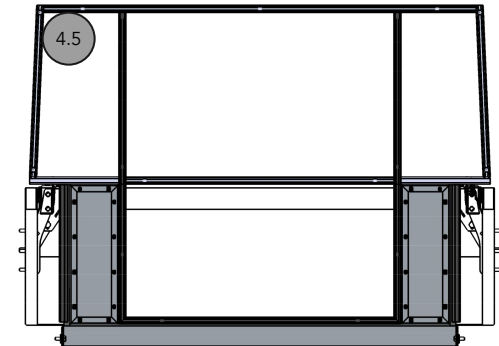
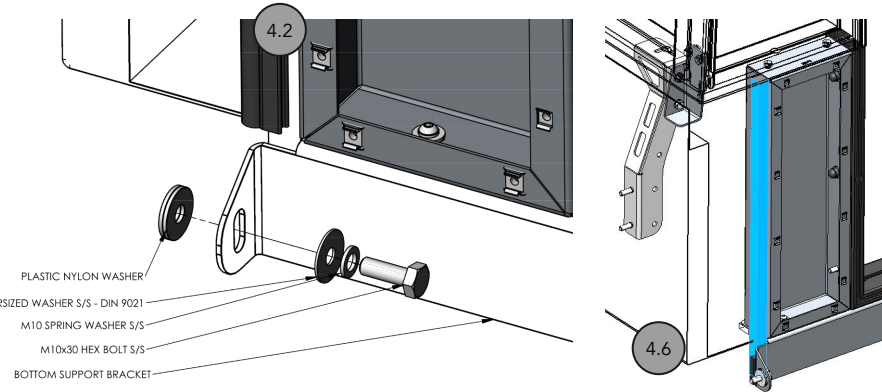
4

Mount filler panel assembly to load bin as shown:

Carefully remove the vehicle tailgate (1) and fit the rear filler panel assembly to the vehicle tailgate pivot mounting hole (2), using the supplied nylon washers (two on either side) and fasteners.

Then stick the 20x20mm foam to the vehicle next to the filler box on both sides (4.6)

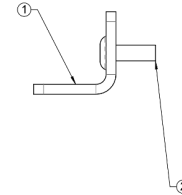
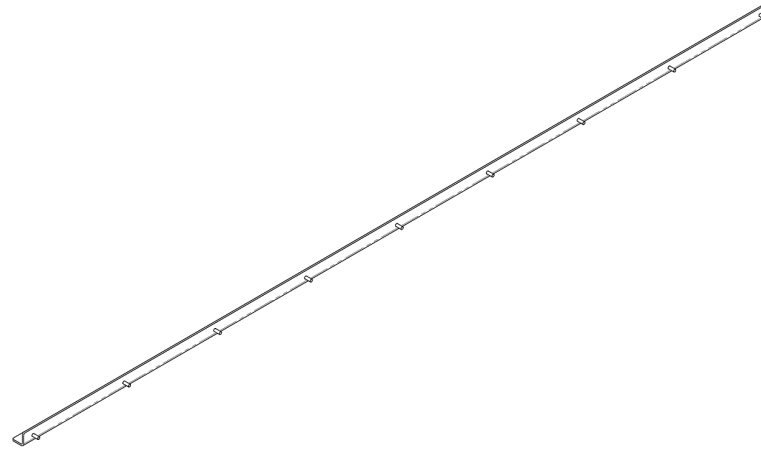
Completed assembly (3,4&5)



Installation Instructions

5

Hardware supplied: Front Filler



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	162-REVO-FNT-ANG-SEAL-01	FRONT ANGLE SEAL	1
2	RIV-4815ASS	SEALED BLIND RIVET	9

Installation Instructions

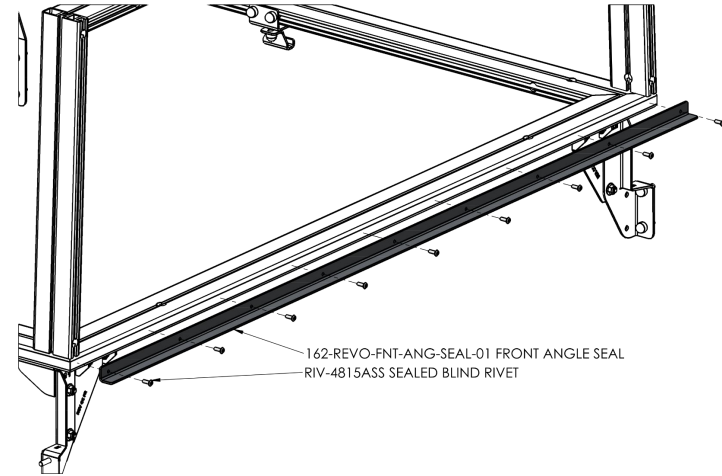
6

Front Angle Seal (Double Cab only):

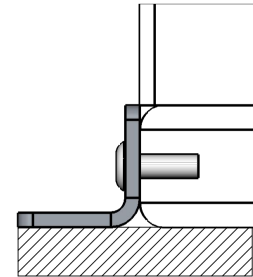
Fit the front seal to canopy camper, by positioning the angle with the front of the camper frame (2) then drilling the 5mm holes through the precut holes in the front angle seal into the lower camper frame.

Proceed by riveting the angle onto the frame using the supplied 4.8mm sealed rivets. (1)

Ensure that when you place the 48x10 foam seal around the camper that it extend up to the end of the front angle seal (2)



NOTE: The fitting of the front seal is applicable to double cab vehicles only and not extra cab



Installation Instructions

7

Fitting the Canopy Camper Mounting Brackets:

Place and align the Canopy Camper on the Vehicle load bin.:

Note: When placing the canopy, ensure that there is enough clearance between the canopy and the cab so that there is no contact when vehicle flexes or moves.



Double Cab Spacing



Extra Cab Spacing



Installation Instructions

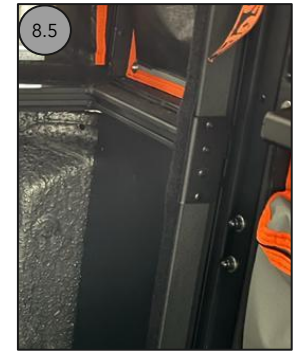
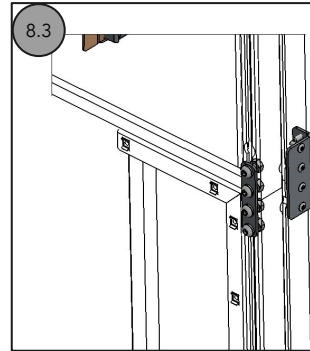
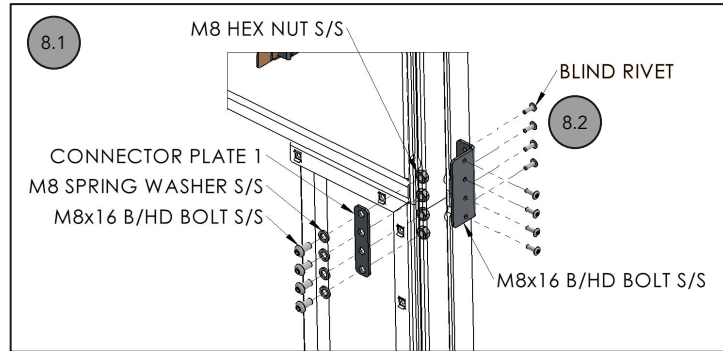
8

Door Frame Support Plates

Connect rear filler panel assembly and base unit as shown. Bolt connector plate 1 across camper joint into already inserted M8 nuts on both sides. (1)

Drill and rivet the connector angle bracket to the inside of the camper door frame equally spaced over the door frame joint (2)

Completed Assembly (3,4&5)



Installation Instructions

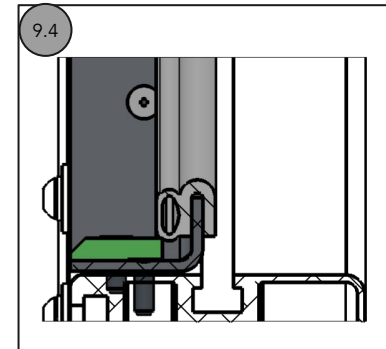
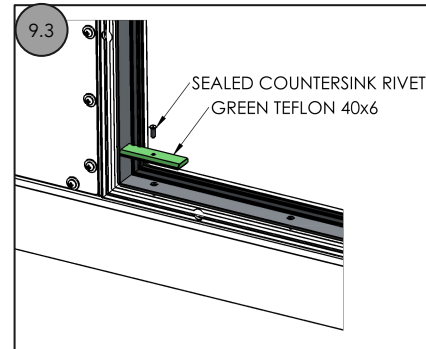
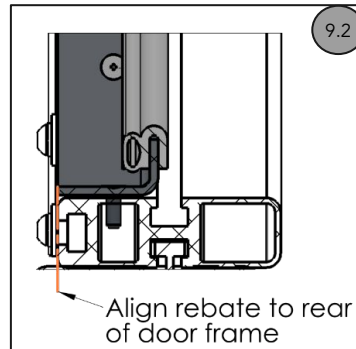
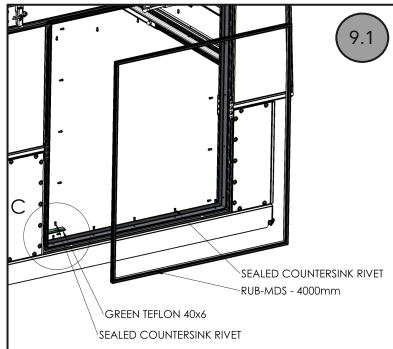
9.

Rear Door Rebate Assembly

Position the rear door rebate into the rear door frame aligning the front lip to the outer edge of the door frame (2). Carefully drill the rivet holes into the door frame through the existing holes in the rear door rebate and rivet in place using the provided countersunk rivets.

Position the green door guide (3&4), drill through the rebate and rivet in place. Attach the provided rubber onto the internal rebate flange (4)

Completed Assembly (4, 5&6)



Installation Instructions

9.5



9.6



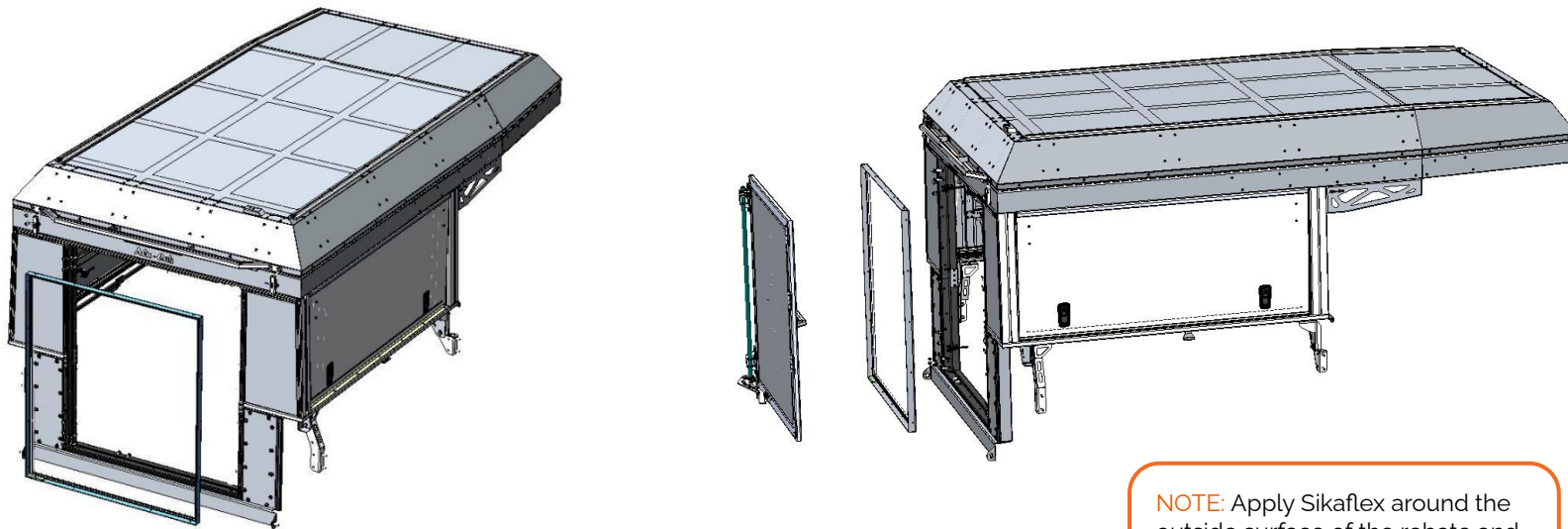
NOTE: Apply Sikaflex around the outside surface of the rebate and around the rivet holes to seal the rebate

Installation Instructions

10

Rebate and Door Assembly:

Fit rear door rebate with Ø4.8 x 15 sealed countersunk rivets as shown:



NOTE: Apply Sikaflex around the outside surface of the rebate and around the rivet holes to seal the rebate.

Installation Instructions

11.

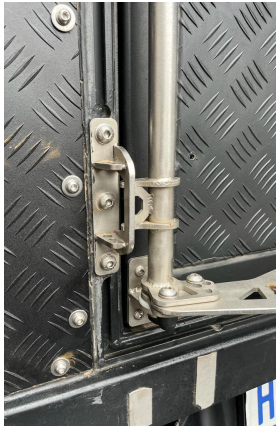
Rear Door Assembly:

Align the rear door center, top to bottom and fit rear door by mounting the four butt hinges to camper rear door frame by sliding the provided M8 nuts into the door frame nuts slot (6).

Align the lock brackets to the assembled door locking mechanism, follow the same procedure to mount the lock brackets (1,2&5).

Completed assembly (4)

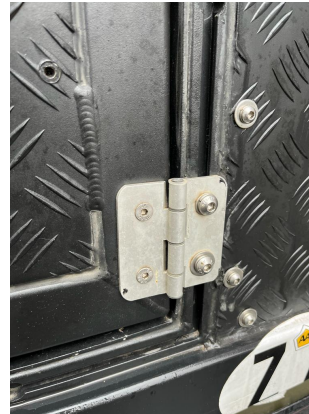
11.1



11.2



11.3

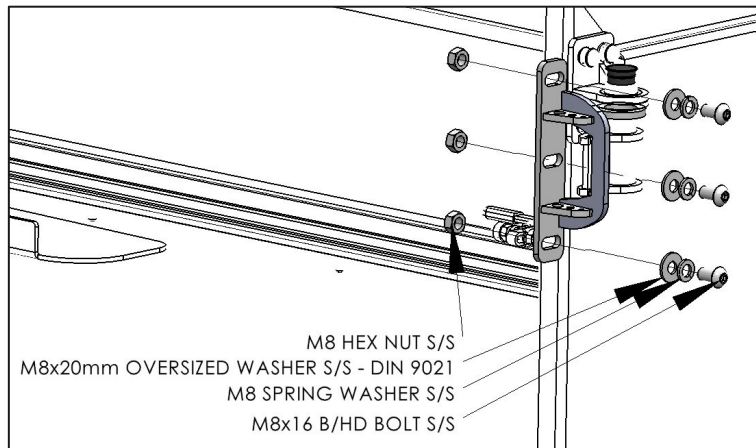


11.4

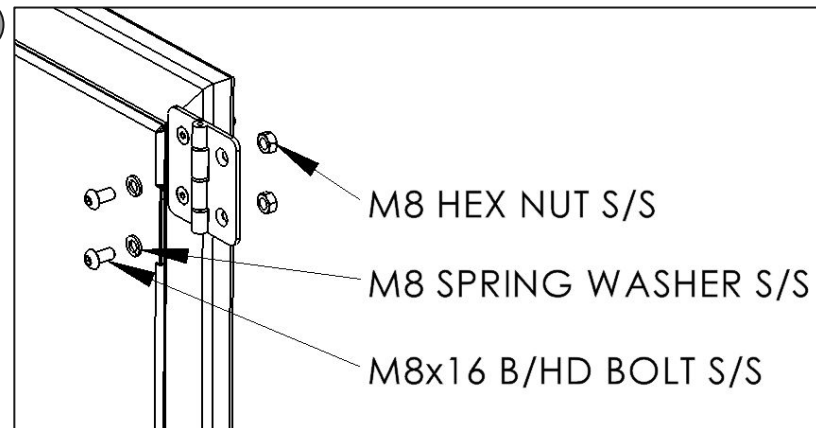


Installation Instructions

11.5



11.6

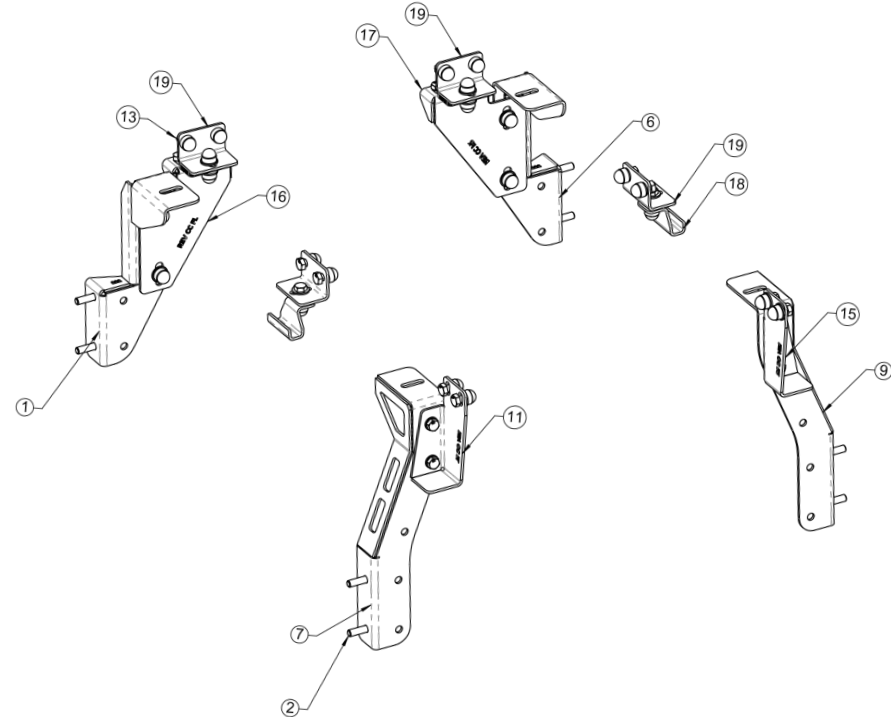


Installation Instructions

12.

Hardware supplied: Mounting Brackets

ITEM NO.	PART NUMBER	Revision	DESCRIPTION	QTY
1	REVO-FNT-RISER-LH-01	01	FRONT RISER PLATE LH	1
2	HEX-M8x30		M8x30 HEX BOLT S/S	8
3	FW-M8		M8x16mm FLAT WASHER S/S - DIN 125	24
4	SW-M8		M8 SPRING WASHER S/S	8
5	NCAP-M8		NUT CAP-08mm	26
6	REVO-FNT-RISER-RH-01	01	RIGHT FRONT MOUNT BRACKET	1
7	REVO-RER-RISER-PLT-LH-01	02	REAR RISER PLATE LH	1
8	REVO-RER-GUSS-LH-01	00	REAR GUSSET LH	1
9	REVO-RER-RISER-PLT-RH-01	03	REAR RISER PLATE RH	1
10	REVO-RER-GUSS-RH-01	00	REAR GUSSET RH	1
11	162-REVO-RER-LH-MNT-BRKT-01	03	REVO REAR LH MOUNT BRACKET	1
12	NY-M8		M8 NYLOC NUT S/S	22
13	HEX-M8x20		M8x20 HEX BOLT S/S	20
14	FFW-M8		M8x20mm OVERSIZED WASHER S/S - DIN 9021	16
15	162-REVO-RER-RH-MNT-BRKT-01	03	REAR RH MOUNT BRACKET	1
16	162-REVO-FNT-LH-MNT-BRKT-01	02	FRONT LH MOUNT BRACKET	1
17	162-REVO-FNT-RH-MNT-BRKT-01	02	FRONT MOUNT BRACKET RH	1
18	CMB-000-002	00	BOTTOM MOUNT BRACKET	2
19	162-REVO-CNT-MNT-ANG-01	00	CENTRE MOUNTING ANGLE	2
20	HEX-M8x25		M8x25 HEX BOLT S/S	2
21	NUT-M8		M8 HEX NUT S/S	2
22	BX-BB		BRACKET - BOX	1



NOTE the supplied mounting kit works on both double cab and extra cab Toyota Hilux

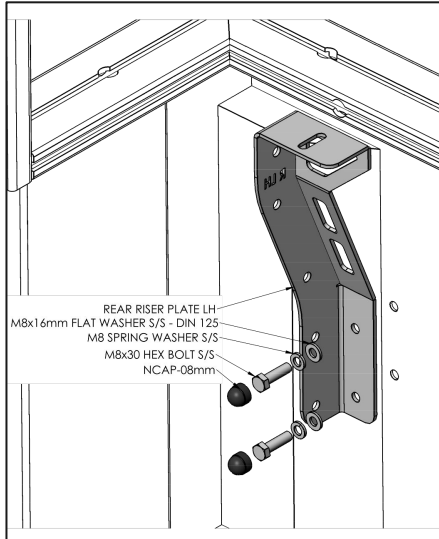
Installation Instructions

13.

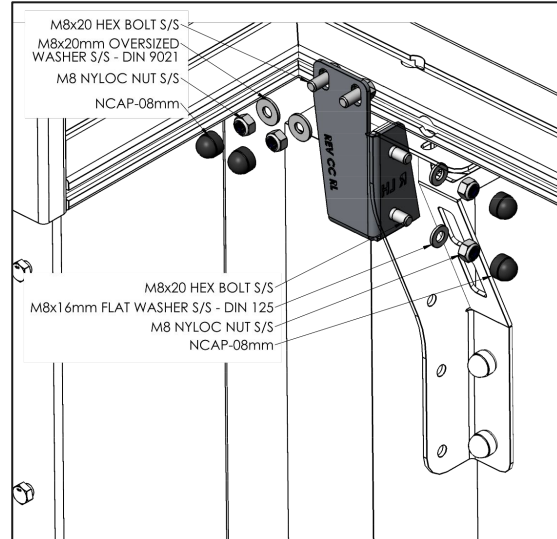
Rear mounting Brackets:

Mount the Revo Rear LH Riser Bracket Assembly to the existing holes in the Load bin, as shown in the images below.

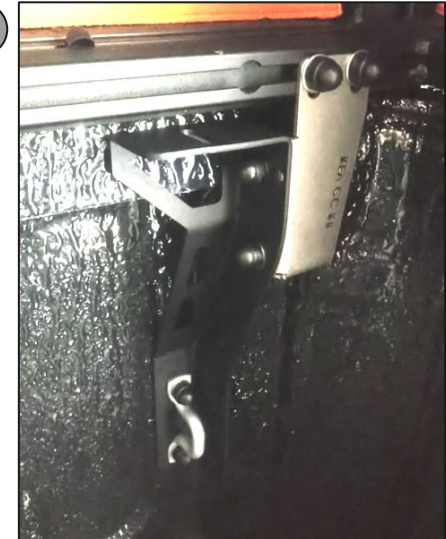
13.1



13.2



13.3



Position Rear Riser Bracket and fasten with M8x30 hex head bolts (1), washers, nyloc nuts and nut cap over existing holes. Spring Washers on top of the Flat Washer and finish off places the nut caps on the hex bolts

Top Rear Mount Bracket positioned with M8x20 hex head bolts, washers, nyloc nuts and nut caps.(2)

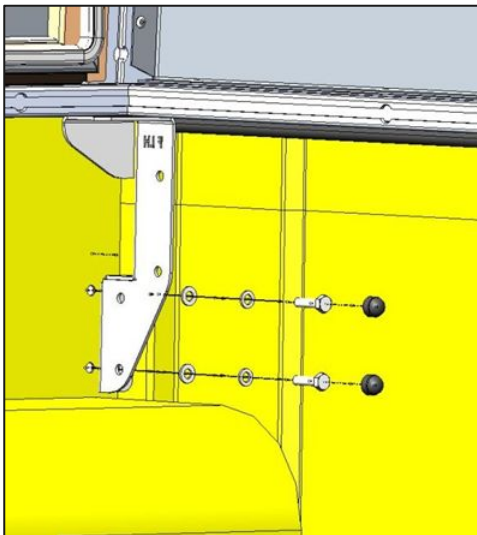
Installation Instructions

14.

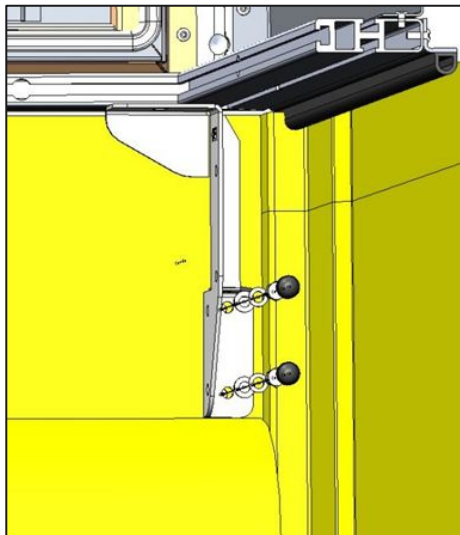
Front mounting Brackets: (NOTE - Double Cab specific)

Installing the Front Mounting Bracket to the Canopy Camper

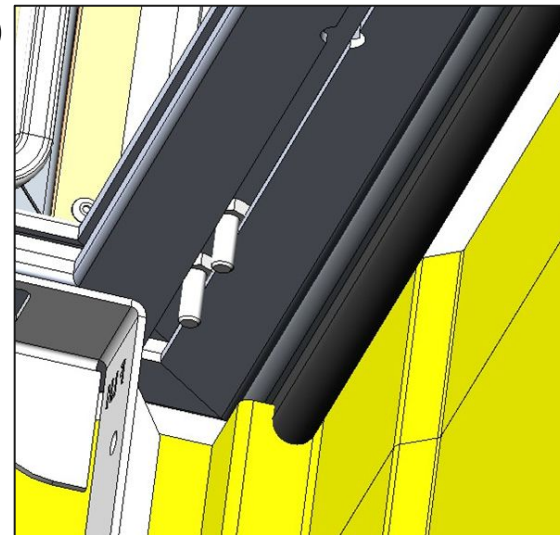
14.1



14.2



14.3



Position Front Riser Brackets over the mounting holes on the load bin and fasten with 2x M8x30 Hex bolts, washers, nyloc nuts and nut caps.(1&2)

Slide 2x M8x20 hex bolts into nut slot on the camper frame (3)

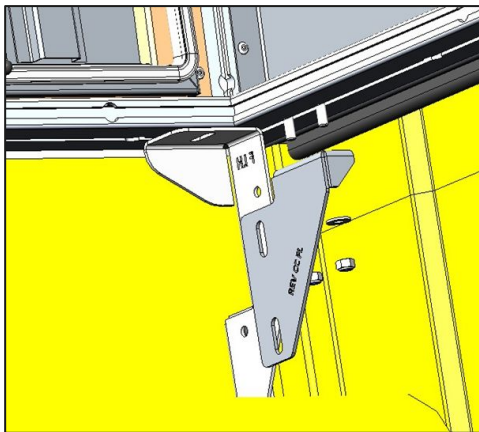
Installation Instructions

15.

Front mounting Brackets: (NOTE - Double Cab specific)

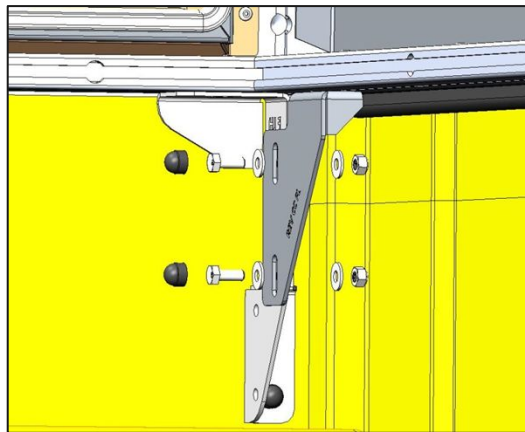
Installing the Rear Mounting Bracket to the Canopy Camper

15.1



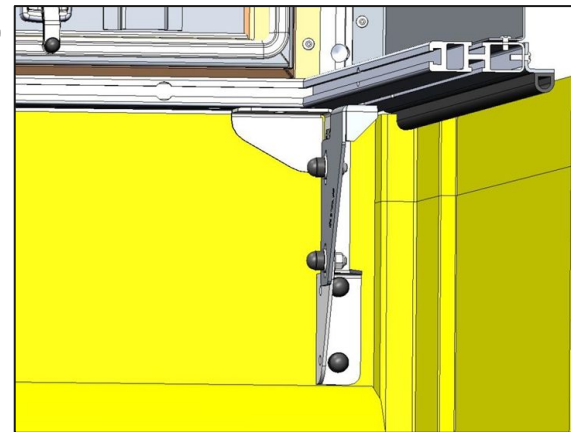
Position the Front Mounting Bracket over the inserted Hex Bolts and fasten with supplied washers and nuts(1)

15.2



Fasten the top brackets with M8x20 hex bolts, washers, nyloc nuts and nut caps (2)

15.3



End result (3)

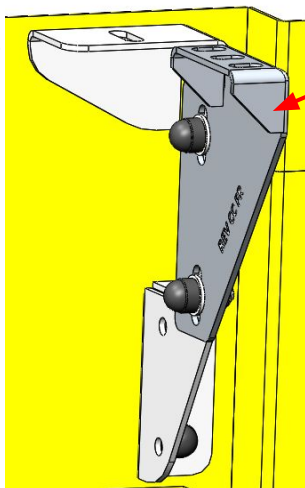
Installation Instructions

16.

Front mounting Brackets: (NOTE - Extra Cab specific)

Installing the Front Mounting Bracket to the Canopy Camper

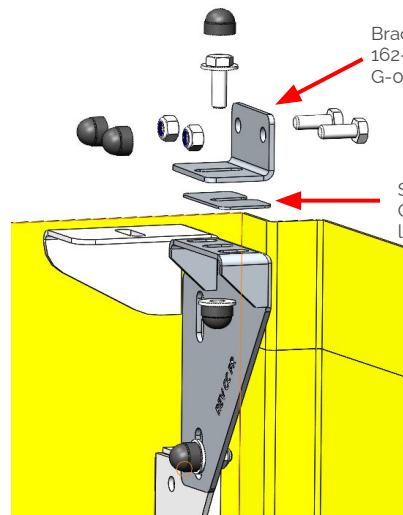
16.1



Bracket
162-REVO-FNT-RH-MNT-BRKT-01
Main mounting bracket

Reverse the main mounting brackets - Use the bracket labeled "Front Left" on the right side of the vehicle, and the bracket labeled "Front Right" on the left side of the vehicle" (1)

16.2



Bracket
162-REVO-CNT-MNT-AN
G-01 Adaptor bracket

Spacer used to make the
Canopy level with vehicle
load bed rim

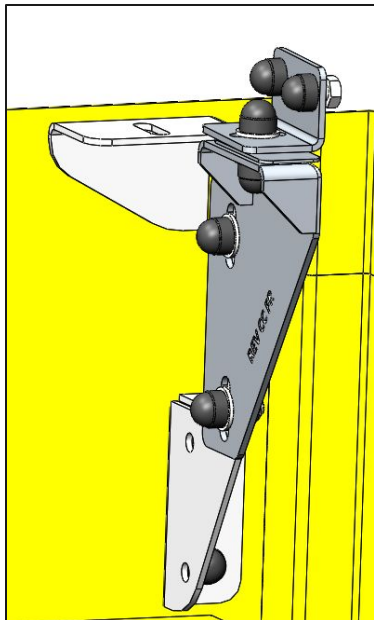
Feed two M8x20 hex bolts into the canopy nut rail. Mount adapter bracket to main bracket, add nuts to the nut rail bolts and then tighten when in place. (2)

Installation Instructions

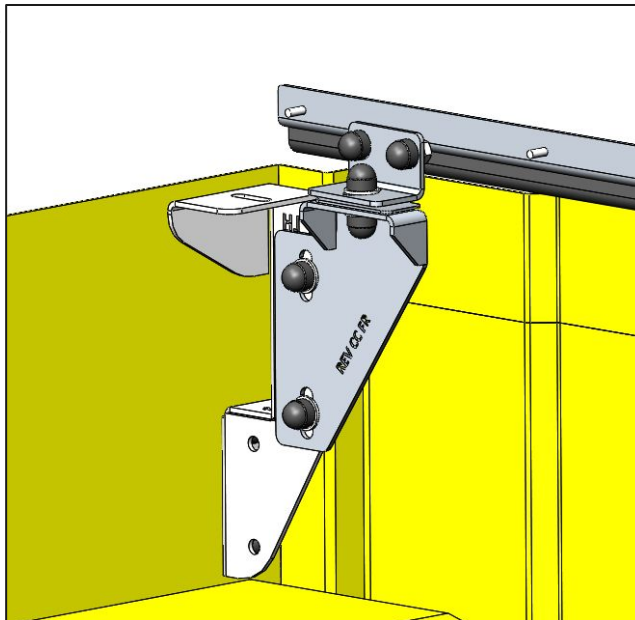
17.

Front mounting Brackets: (NOTE - Extra Cab specific)

17.1



17.2



17.3



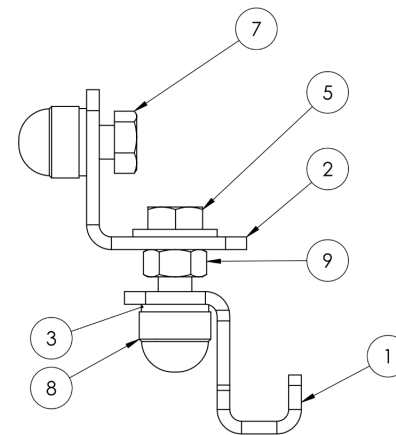
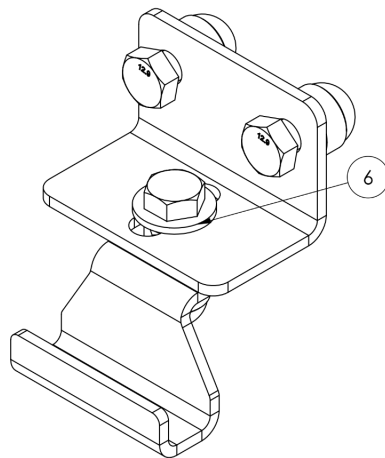
End result

Installation Instructions

18.

Centre Mounting Brackets:

Hardware supplied

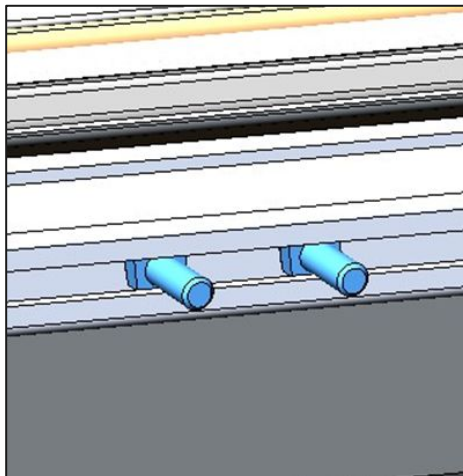


ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	CMB-000-002	BOTTOM MOUNT BRACKET	1
2	162-REVO-CNT-MNT-ANG-01	CENTRE MOUNTING ANGLE	1
3	FW-M8	M8x16mm FLAT WASHER S/S - DIN 125	3
4	NY-M8	M8 NYLOC NUT S/S	3
5	HEX-M8x25	M8x25 HEX BOLT S/S	1
6	FFW-M8	M8x20mm OVERSIZED WASHER S/S - DIN 9021	1
7	HEX-M8x20	M8x20 HEX BOLT S/S	2
8	NCAP-M8	NUT CAP-08mm	3
9	NUT-M8	M8 HEX NUT S/S	1

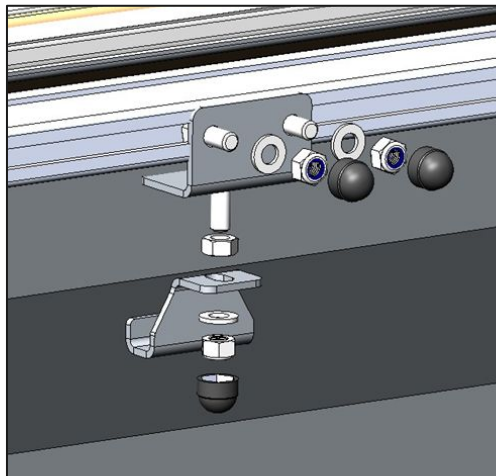
Installation Instructions

19.

Centre Mounting Brackets:



Slide 2x M8x20 hex head bolts into the nut slot frame on side of canopy (1)



Position the angle bracket over the bolts and fasten using the accommodating washers, nyloc nuts and nut caps. Attach the hook bracket to the underside of the load bin lip and fasten it to the angle bracket using a M8x25 hex head bolt, washers, nylock nut and nut cap. (2)



End result (3)

13

Repeat these steps for the other side of the Canopy Camper and Load Bin:

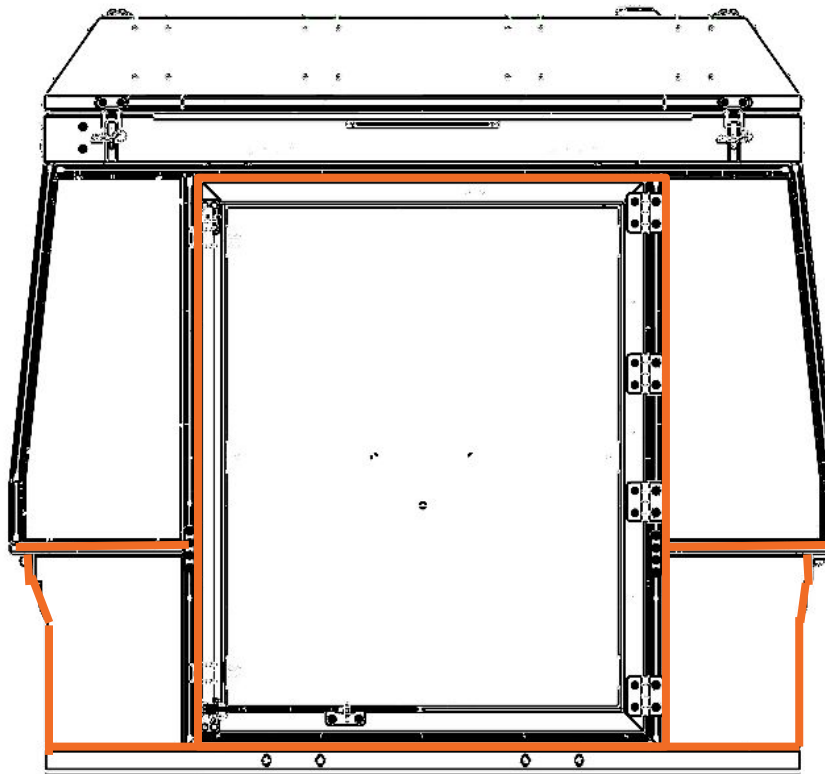
Installation Instructions

20.

Sealing canopy to base:

Use Sikaflex where there are shut / joining lines between parts that are not welded

Orange line indicate when
Sikaflex needs to be
applied to seal between
assembled parts

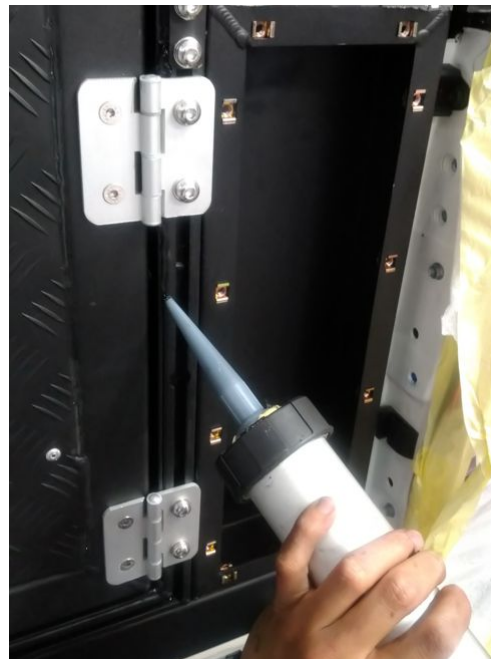


Installation Instructions

21.

Sealing canopy to base:

Use Sikaflex where there are shut / joining lines between parts that are not welded.



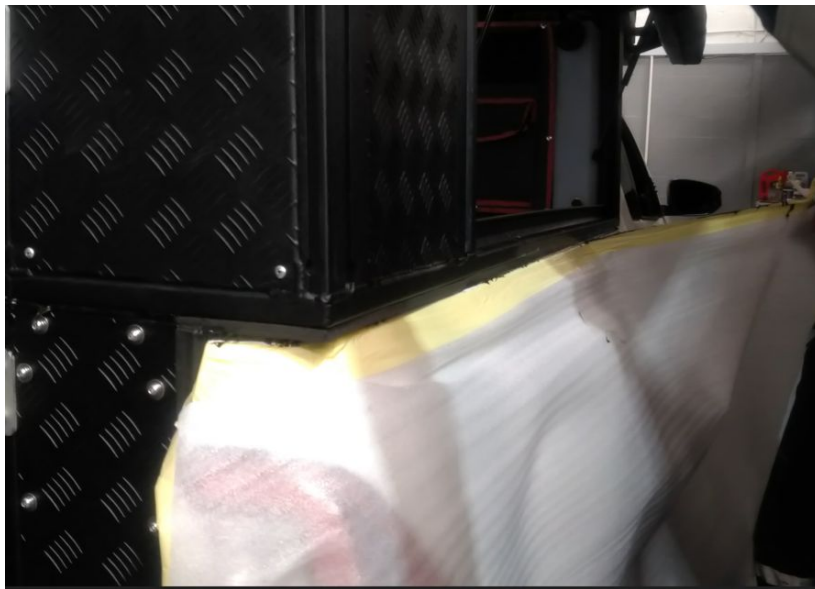
Dip one's finger into soapy water and smooth over the sealant by gently running a finger over the bead.

Installation Instructions

22.

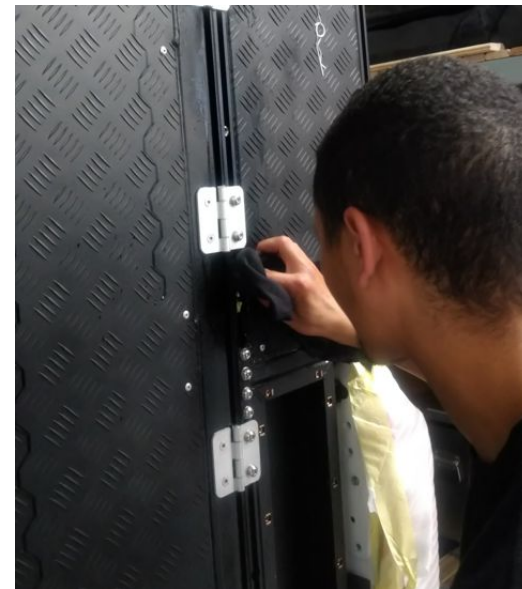
OPTIONAL Sealing canopy to vehicle body:

Use Sikaflex between the Canopy Camper and the vehicle body



Ensure that the rest of the vehicle is covered against any extra sealant or spillage when sealing the canopy camper to the vehicle's body.

NOTE: This step is only done at the customer's approval.



Use Turpentine and a cloth to clean away any extra sealant or mess

Disclaimer

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Review all instructions information carefully before installation.

Any damages, direct or incidental to the installer and/or property due to incorrect installation of any parts are the responsibility of the installer. Due to the various applications and fitment options available, the responsibility lies with the user to ensure all mounting points are secure and tight before every trip.

If unsure, consult with your Distributor regarding the operations of our products.

Users are advised to be mindful of the load they are carrying and drive in accordance with road conditions.

WARNING

Always wear appropriate PPE (Personal protection equipment) when fitting our products. Although the mounting kit is designed to be DIY, if you have any doubts or concerns, contact an accredited fitment centre to carry out the work. Alu-Cab will not be liable for any injury to persons, and/or damage to products and/or vehicles.

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