



FITMENT INSTRUCTIONS

DODGE RAM 1500 2007 - 2022 5,5FT & 6,5FT CANOPY 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

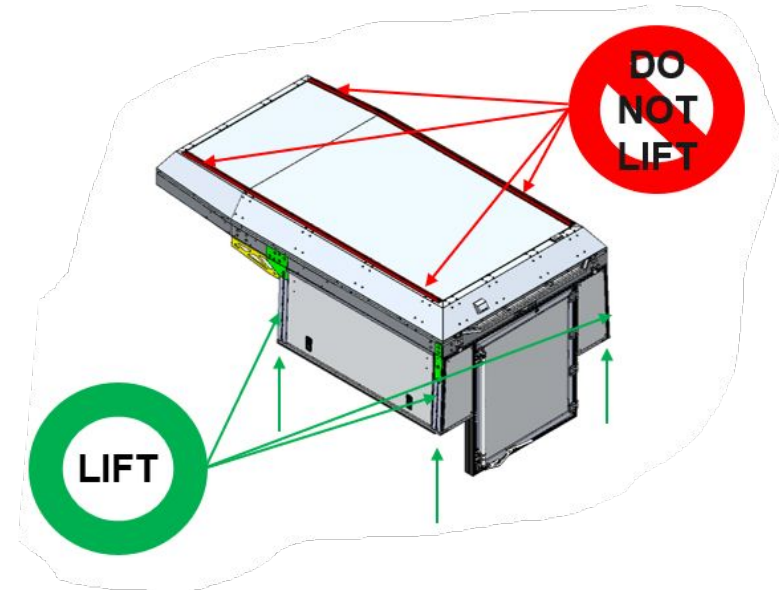
Do not attempt to lift, move, or suspend the canopy, canopy camper, or any related product using eyebolts, eye nuts, or any components attached to the cargo rails or roof accessory tracks.

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.



Service Enquiries email
queries@alu-cab.com

Installation Instructions

Canopy Fitment – Tools, Fasteners & Hardware

1.1

Tools & Items Required

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

1.3

Items

Turpentine
Cloth
Black sealant, silicone or Sikaflex
Window Cleaner

1.2

Fasteners Supplied (included with Side Boxes)

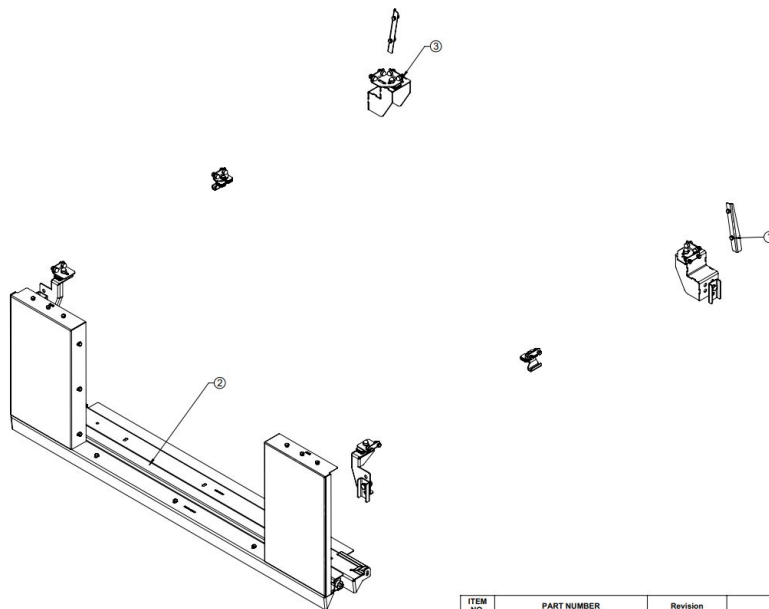
NYLON SPACER BUSH	2
M8x20mm OVERSIZED WASHER S/S - DIN 9021	33
M8x12mm FLAT WASHER	8
M8x16mm FLAT WASHER S/S - DIN 125	26
M12X30 HEX BOLT S/S	4
M8x16 HEX BOLT S/S	4
M8x20 HEX BOLT S/S	37
M8x30 HEX BOLT S/S	2
M8x35 HEX BOLT S/S	4
NUT CAP-12mm	4
NCAP-08mm	57
M12 NYLOC NUT S/S	4
M8 NYLOC NUT S/S	47

Installation Instructions

Canopy Fitment – Tools, Fasteners & Hardware

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Component Identification



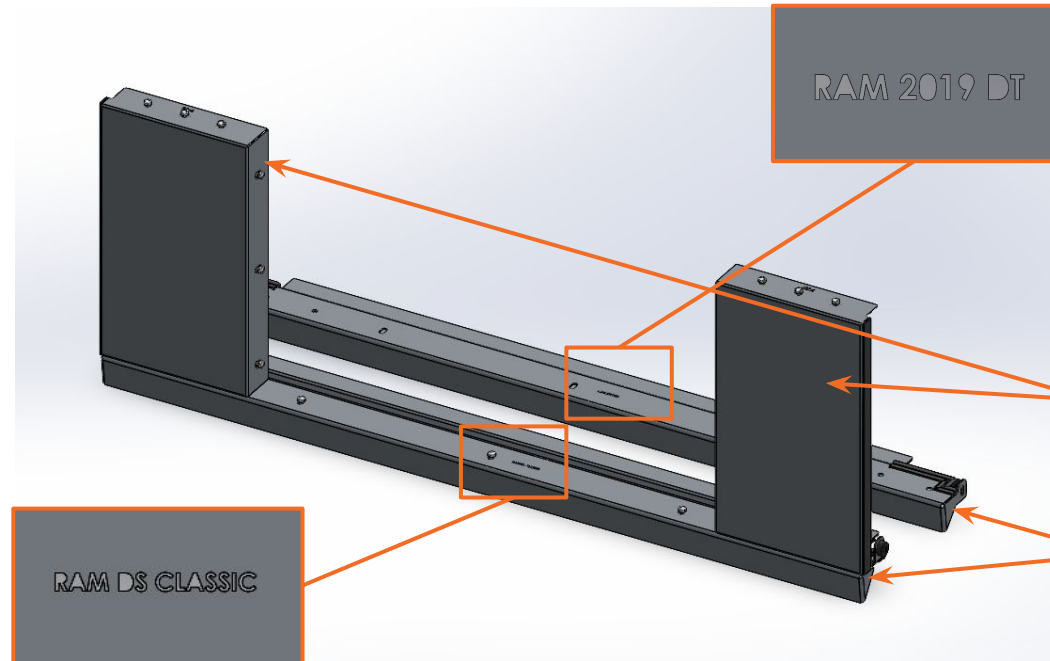
ITEM NO.	PART NUMBER	Revision	DESCRIPTION	QTY
1	16S-RAM-FIT-FILLER-KIT-01	01	FRONT FILLER KIT	1
2	16S-RAM-RER-FILLER-KIT-ASSY-01	03	RAM REAR FILLER KIT	1
3	16S-RAM-MNT-KIT-ASSY-01	05	MOUNTING ASSEMBLY	1
4	BX-CCFK		CANOPY CAMPER FILLER KIT BOX-720X160X1700	1

Installation Instructions

Canopy Fitment – Tools, Fasteners & Hardware

3

Rear Filler Kit Identification



The Rear Filler Assembly is made up of four main sheet metal parts, the inside boxes as well as two bottom support brackets. The one support bracket is suitable for the classic style RAM Beds (labelled as RAM DS CLASSIC) where as the newer style RAM beds will utilize the the other bracket (labelled as RAM 2019 DT). Ensure you choose the correct bottom support bracket for your vehicle, and fasten it to the side boxes before starting the installation.

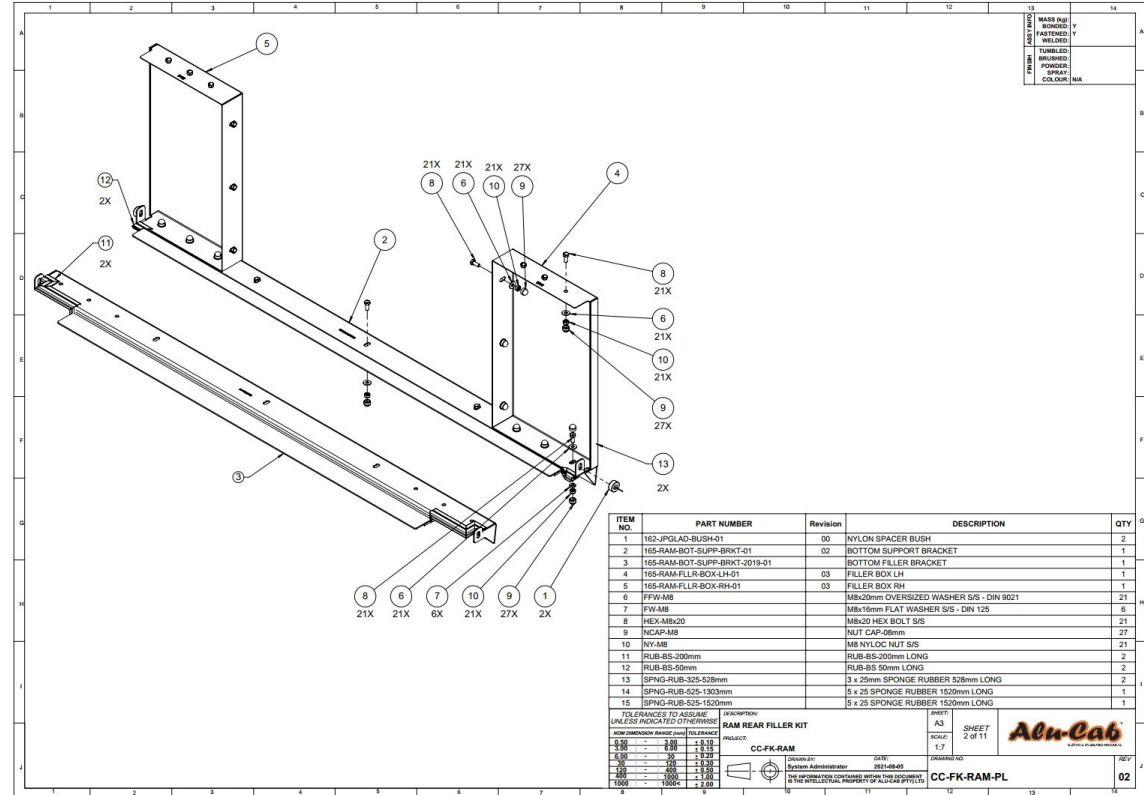
Side Boxes

Bottom Support Brackets

Installation Instructions

3.1

Rear Filler Panel Assembly:



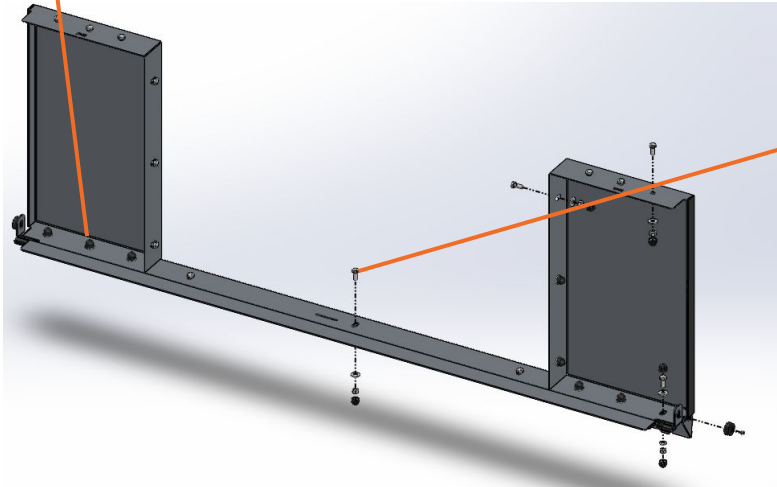
Installation Instructions

3.2 Rear Filler Panel Assembly:

Firstly attach the correct bottom support bracket to the side boxes using the supplied fasteners. Then fit lower door frame to filler panel assembly as shown.

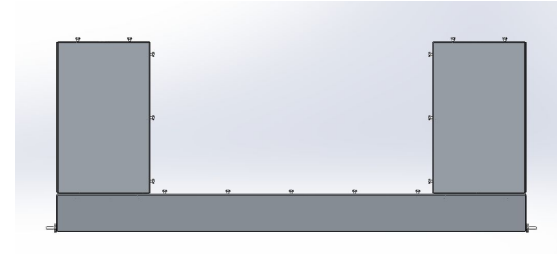
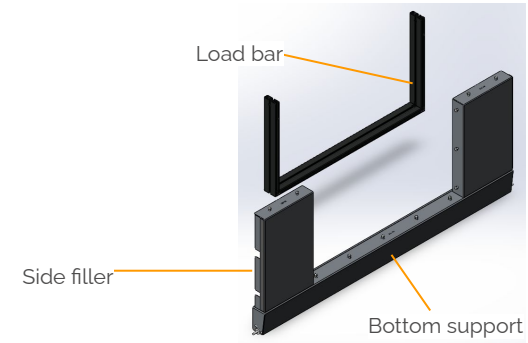
3.3

Attach the side fillers to the bottom support.



3.4

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.

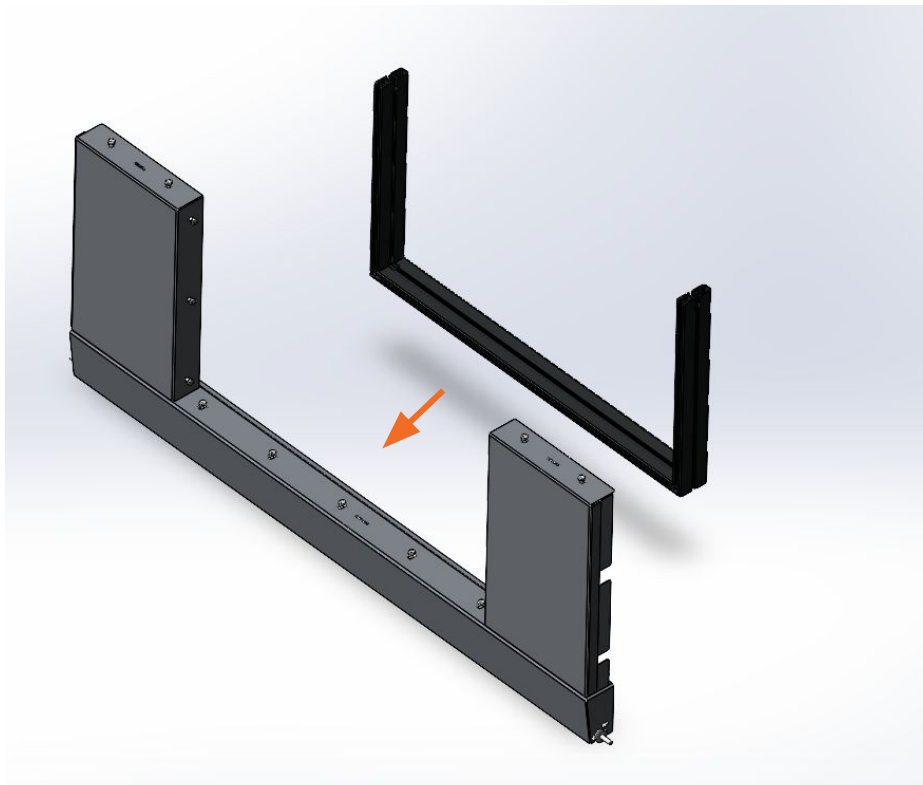


Example: Side fillers connected to bottom support

Installation Instructions

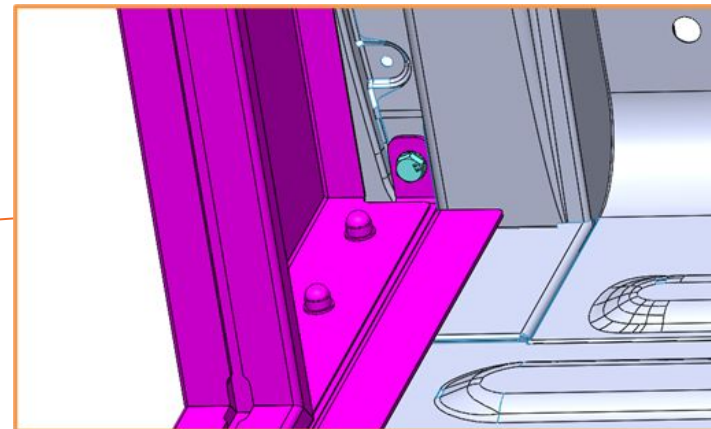
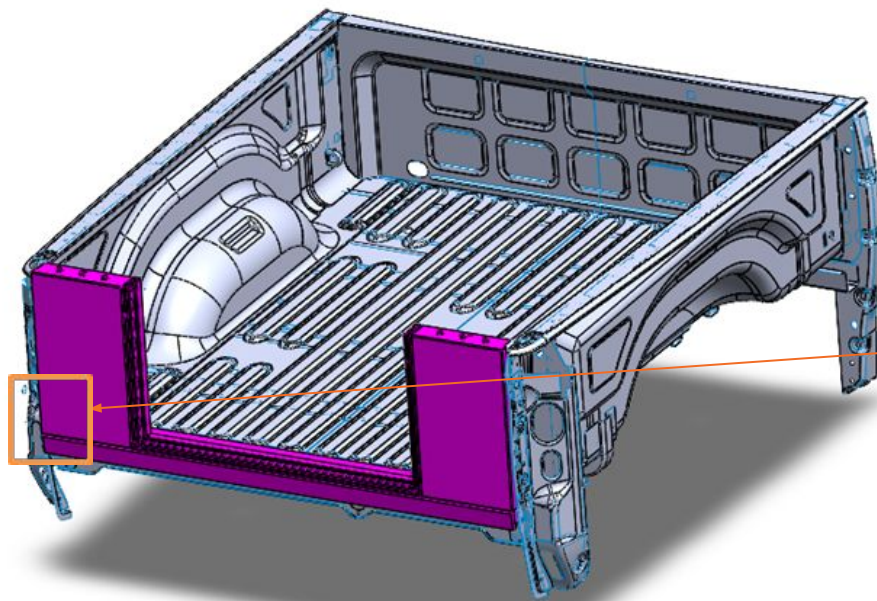
3.4

Fit lower door frame to filler panel assembly as shown:



Installation Instructions

3.5 Fit Rear Filler Assembly into the Load Bin :



Remove the tailgate from the vehicle and use the OEM bolts to secure the Rear Filler Assembly to the load bin.

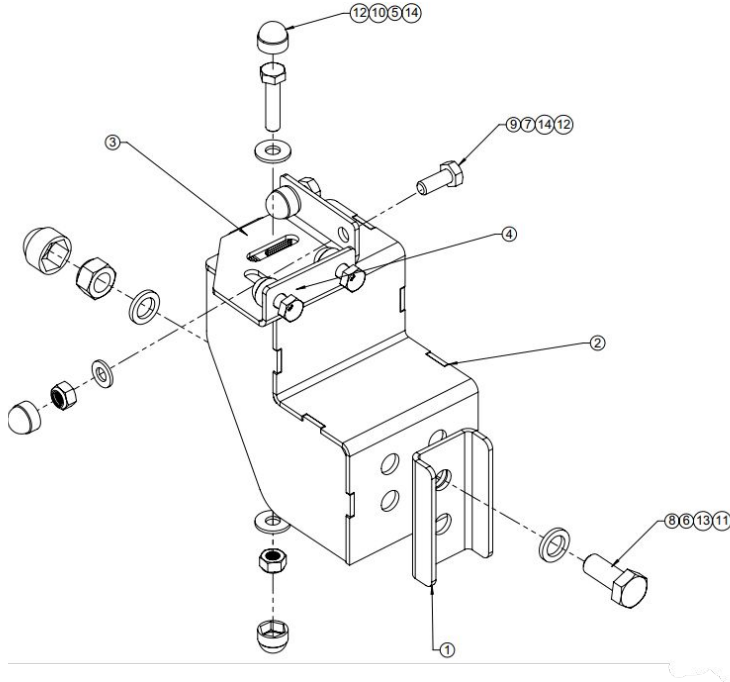
Installation Instructions

4

Front Mounting Brackets:

4.1

Hardware supplied to fit Mounting Brackets:



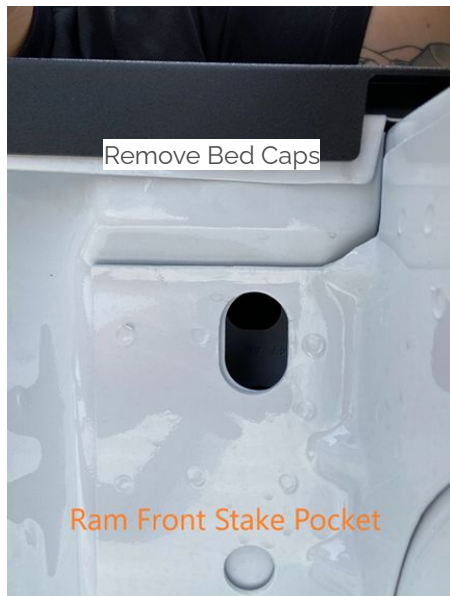
ITEM NO.	PART NUMBER	Revision	DESCRIPTION	QTY
1	165-RAM-BCK-PLT-BND-01	02	BACKING PLATE FOR MOUNTING	1
2	165-RAM-FNT-BRK-WLD-ASSY	03	FRONT BRACKET WELDED ASSEMBLY	1
3	165-RAM-MNT-FNT-TOP-BRKT-01	01	RAM TOP MOUNT BRACKET	1
4	165-RAM-SHIM-ASSY-01	00	RAM SHIM ASSEMBLY	1
5	FFW-M8		M8x20mm OVERSIZED WASHER S/S - DIN 9021	2
6	FW-M12		12mm FLAT WASHER (ID - 13; OD - 20; T 1.8 - 2.2) DIN - 433	2
7	FW-M8		M8x16mm FLAT WASHER S/S - DIN 125	4
8	HEX-M12X30		M12X30 HEX BOLT S/S	1
9	HEX-M8x20		M8x20 HEX BOLT S/S	4
10	HEX-M8x35		M8x35 HEX BOLT S/S	1
11	NCAP-M12		NUT CAP-012mm	1
12	NCAP-M8		NUT CAP-08mm	6
13	NY-M12		M12 NYLOC NUT S/S	1
14	NY-M8		M8 NYLOC NUT S/S	5

Installation Instructions

4.2

Installing Front Mounting Brackets:

Some models of the Dodge RAM come with protective Bed Caps. In some instances when the access hole to the stake pocket is blocked by the Bed Caps it is necessary to completely remove the bed cap before fitting the front mounting brackets.

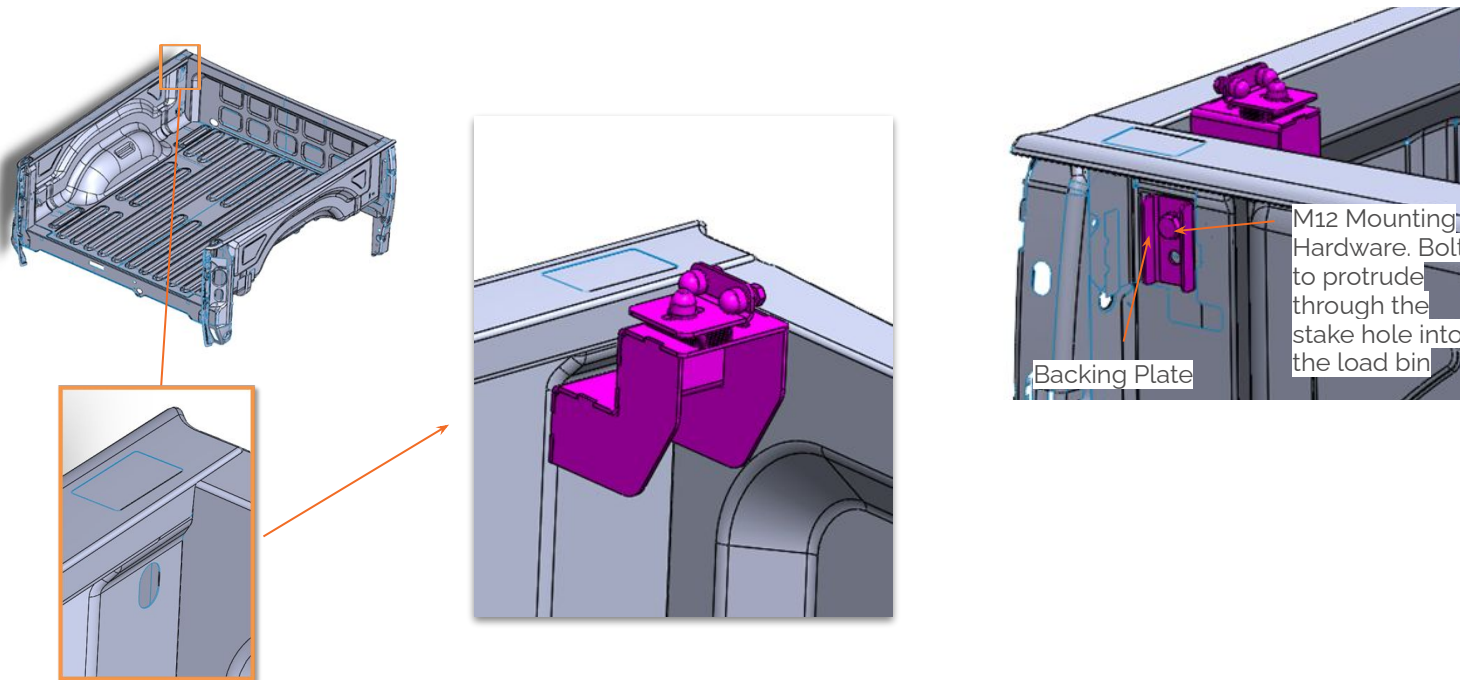


Installation Instructions

4.2

Installing Front Mounting Brackets:

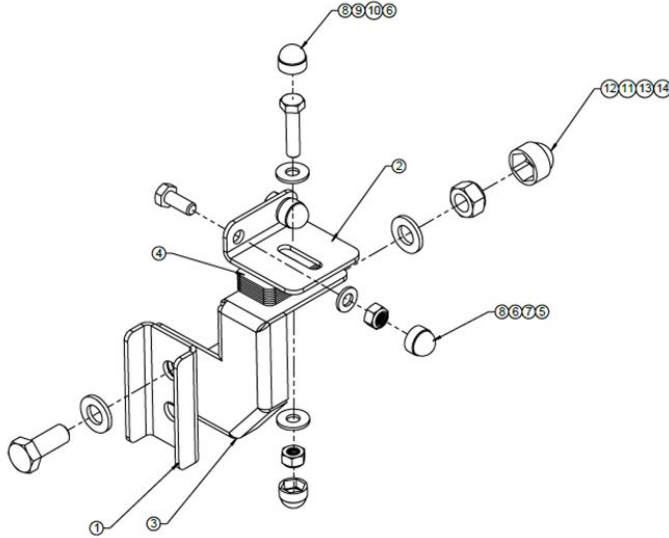
With the access to the stake hole place the backing plate in position and fit the Front Mounting Brackets with the M12 hardware



Installation Instructions

5

Rear Mounting Brackets:



5.1

Hardware supplied to fit Mounting Brackets:

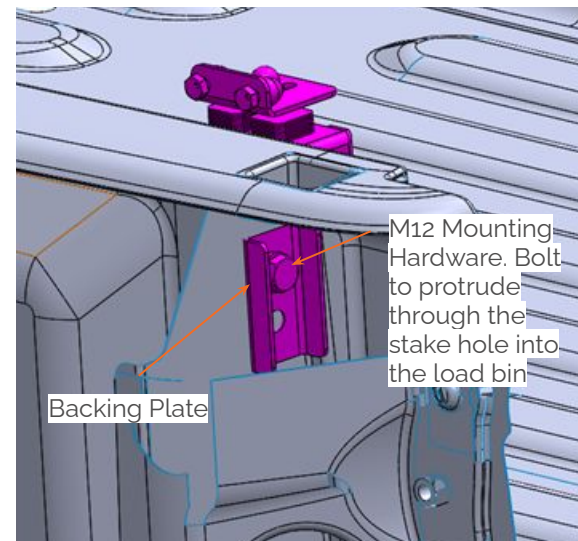
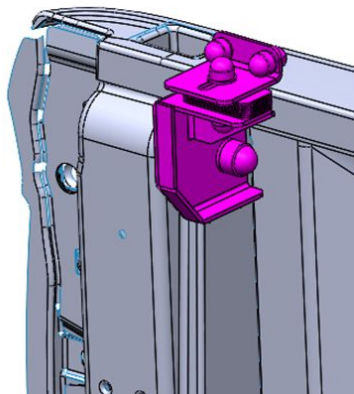
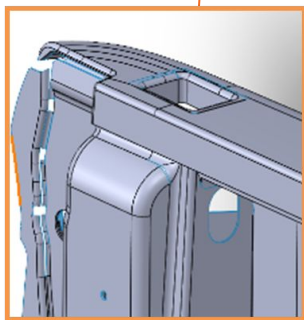
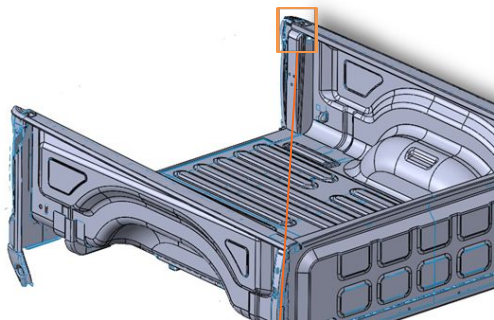
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	165-RAM-BCK-PLT-BND-01	BACKING PLATE FOR MOUNTING	1
2	165-RAM-MNT-LHS-RER-BRKT-01	REAR LEFT MOUNTING BRACKET	1
3	403-BOT-MNT-BRKT-01	BOTTOM MOUNTING BRACKET	1
4	AC001-STD-SHIM-02	SHIM PLATE 2	8
5	FFW-M8	M8x20mm OVERSIZED WASHER S/S - DIN 9021	2
6	FW-M12	12mm FLAT WASHER (ID - 13; OD - 20; T 1.8 - 2.2) DIN - 433	2
7	FW-M8	M8x16mm FLAT WASHER S/S - DIN 125	2
8	HEX-M12X30	M12X30 HEX BOLT S/S	1
9	HEX-M8x20	M8x20 HEX BOLT S/S	2
10	HEX-M8x35	M8x35 HEX BOLT S/S	1
11	NCAP-M12	NUT CAP-012mm	1
12	NCAP-M8	NUT CAP-08mm	4
13	NY-M12	M12 NYLOC NUT S/S	1
14	NY-M8	M8 NYLOC NUT S/S	3

Installation Instructions

5.2

Installing Rear Mounting Brackets:

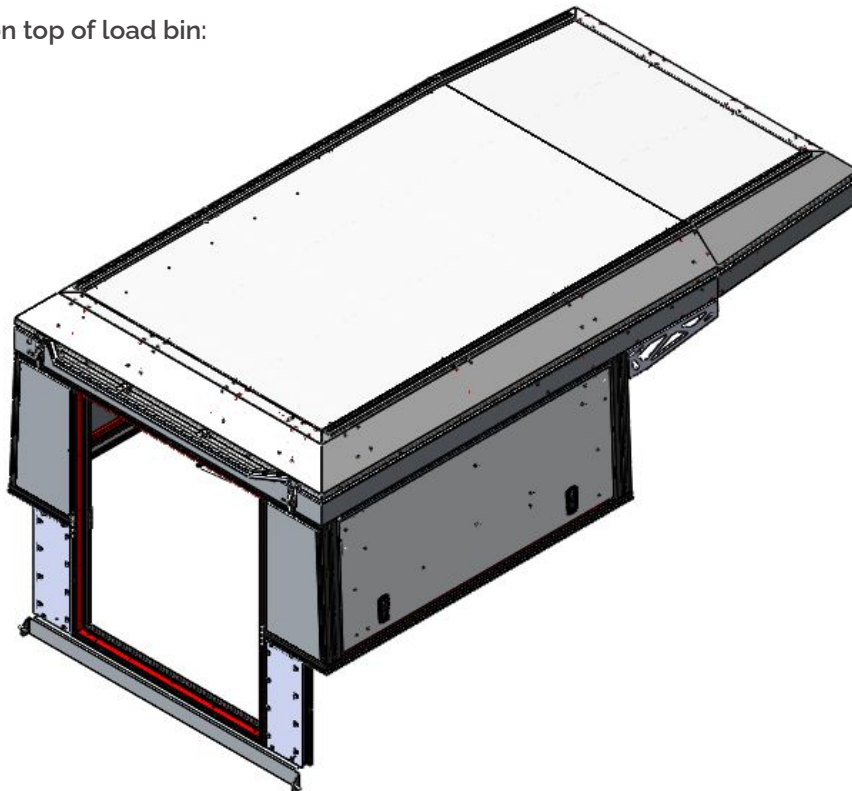
As with the front mount brackets it is important to place the backing plate in position and then fasten down the rear mounting bracket



Installation Instructions

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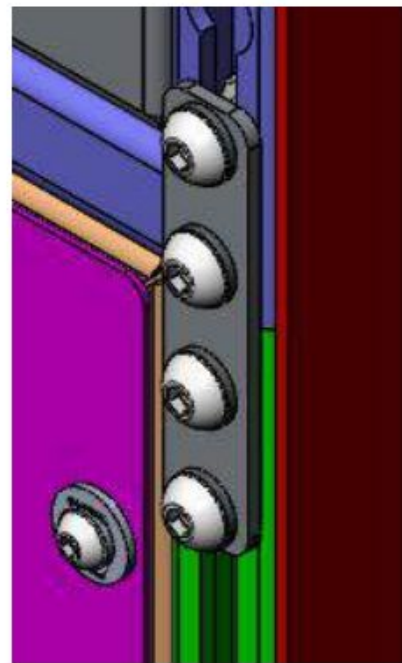
Mount canopy camper base unit on top of load bin:



Installation Instructions

6

Connect rear filler panel assembly and base unit as shown:

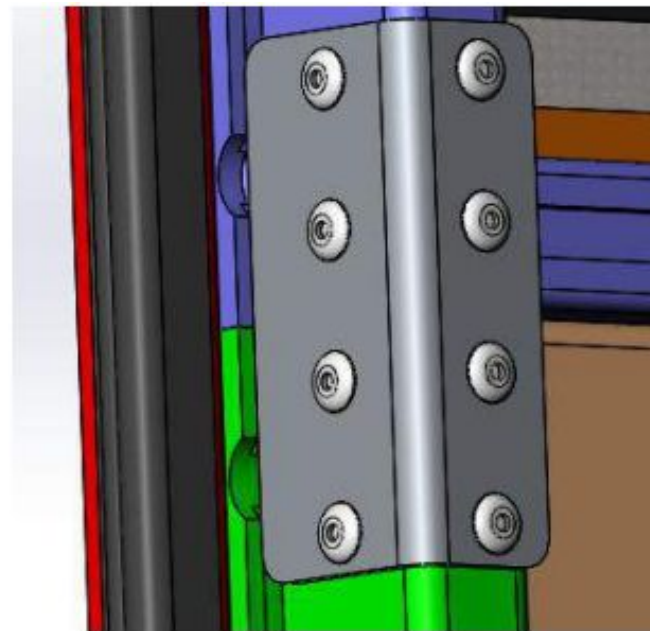
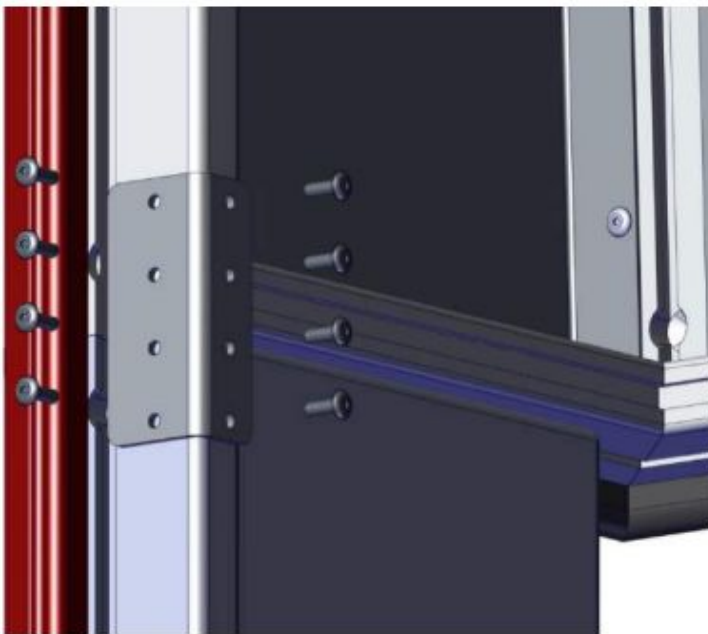


OUTER MOUNTING ON BOTH JOINTS

Installation Instructions

6.1

Connect rear filler panel assembly and base unit as shown:



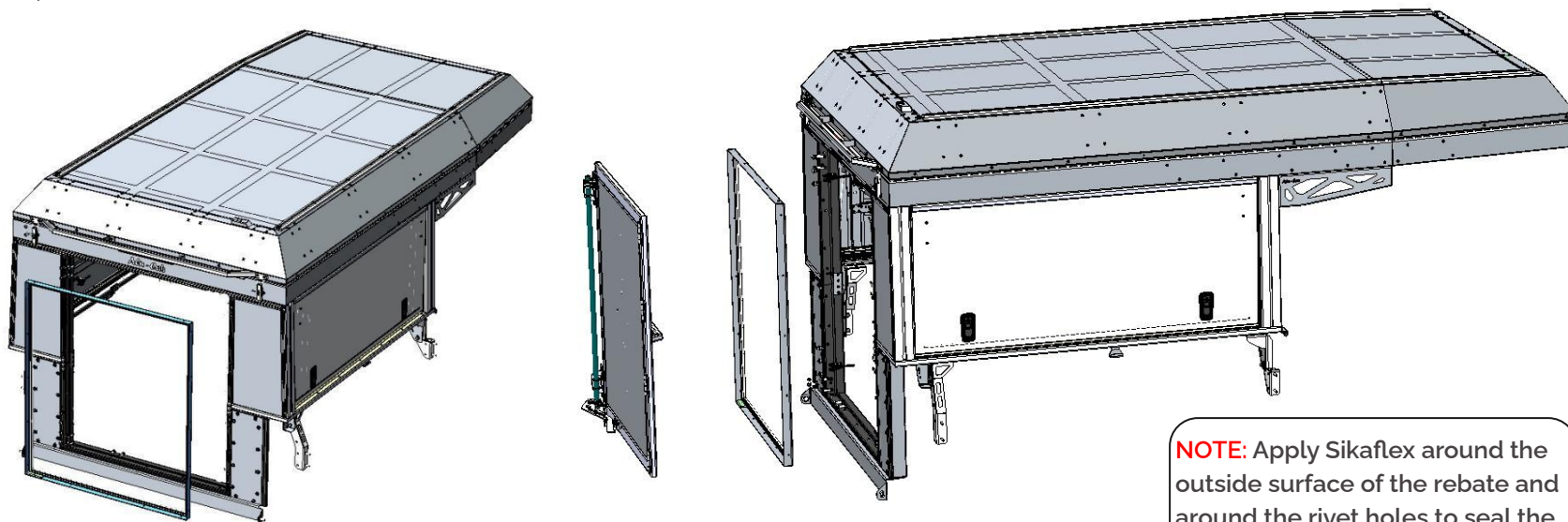
INNER MOUNTING ON BOTH JOINTS

Installation Instructions

7

Rebate and Door Assembly:

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

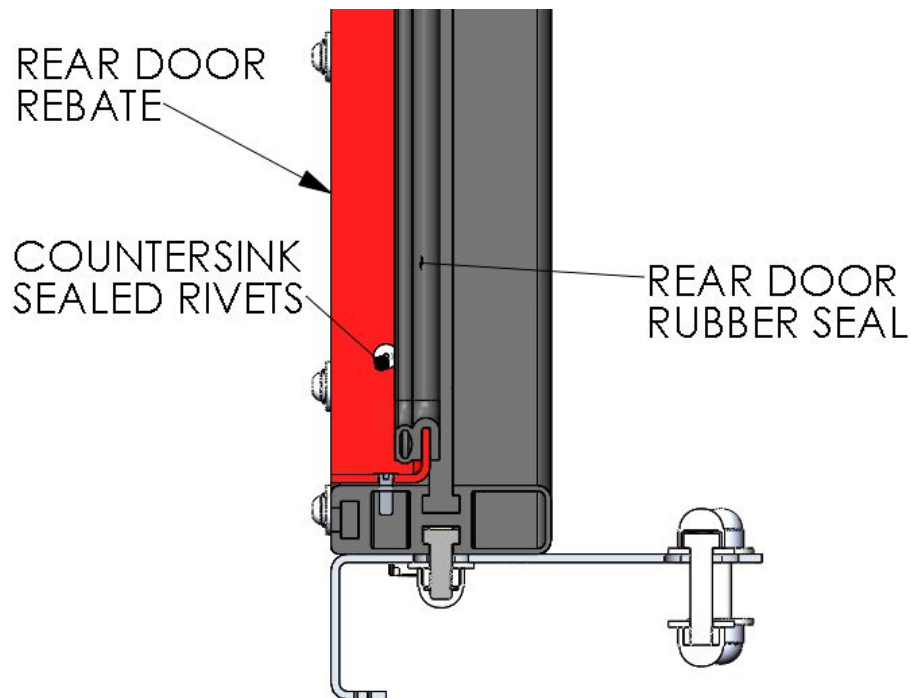


NOTE: Apply Sikaflex around the outside surface of the rebate and around the rivet holes to seal the rebate.

Installation Instructions

7.1

Rebate and Door Assembly:

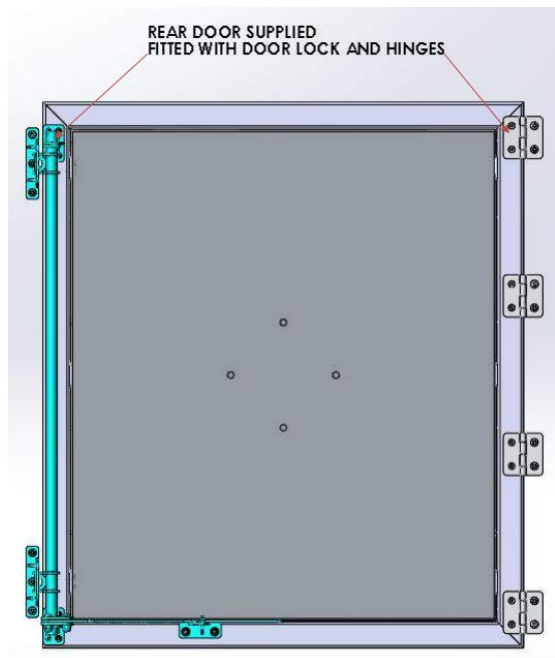


Installation Instructions

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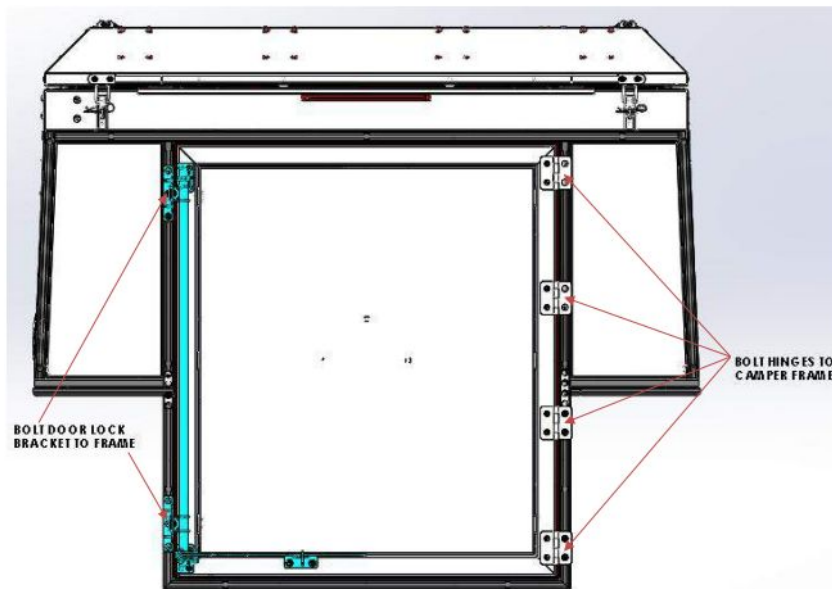
Rear door mounting:

Fit rear door by mounting 4 x Butt hinges to camper frame as shown. Centre rear door, top to bottom and the hinge centres left to right. Also mount the door lock to the camper frame.



8.1

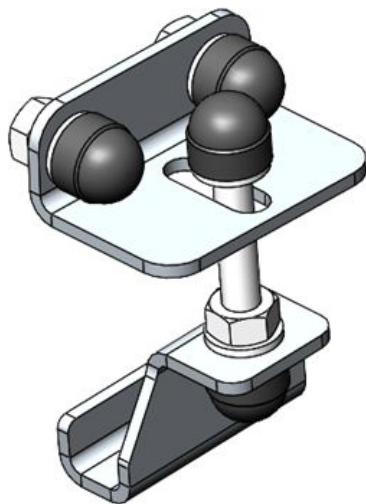
Attach hinges and lock to camper frame:



Installation Instructions

9

Centre Mounting Brackets:



9.1

Hardware supplied to fit Mounting Brackets:

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	CMB-000-001	CENTRE TOP MOUNT BRACKET	1
2	CMB-000-002	BOTTOM MOUNT BRACKET	1
3	HEX-M8x20	M8x20 HEX BOLT S/S	2
4	FW-M8	M8x16mm FLAT WASHER S/S - DIN 125	2
5	NY-M8	M8 NYLOC NUT S/S	3
6	NCAP-M8	NUT CAP-08mm	3
7	FFW-M8	M8x20mm OVERSIZED WASHER S/S - DIN 9021	2
8	HEX-M8x30	M8x30 HEX BOLT S/S	1
9	AC001-STD-SHIM-02	SHIM PLATE 2	8

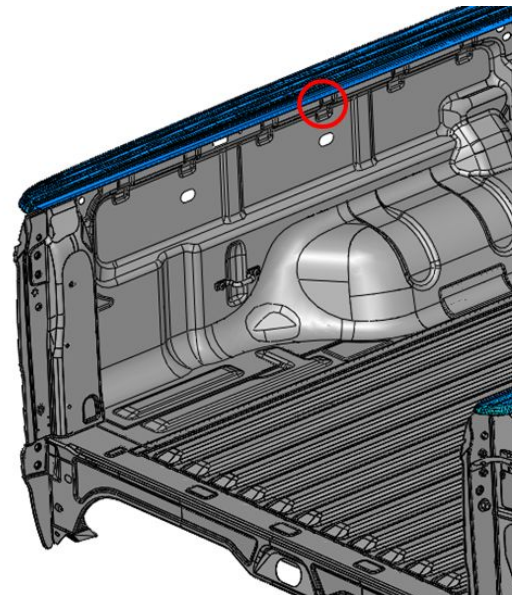
Installation Instructions

9.2

Centre Mounting Brackets:

The centre mounting brackets will only be used on the Long Bed installation, if needed. The main purpose of these brackets is to correct seating along the longer load bin length on the Long Bed installation.

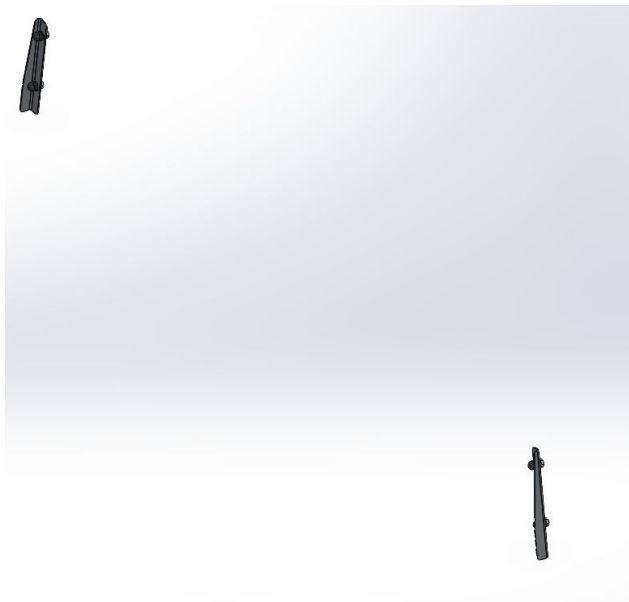
If the Canopy Camper seats and seals correctly, they can be left off. If the camper needs to be pulled downwards towards the load bin wall, these brackets can be installed at centre span between the front and rear mounting brackets, on either side:



Installation Instructions

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Front Filler Kit:



10.1

Hardware supplied to fit Front Filler Brackets:

ITEM NO.	PART NUMBER	Revision	DESCRIPTION	QTY
1	165-RAM-FNT-LHS-FIL-BRK-01	01	FRONT LHS FILLER BRACKET	1
2	165-RAM-FNT-RHS-FIL-BRK-01	01	FRONT RHS FILLER BRACKET	1
3	HEX-M8x16		M8x16 HEX BOLT S/S	4
4	FW-M8		M8x16mm FLAT WASHER S/S - DIN 125	4
5	NY-M8		M8 NYLOC NUT S/S	4
6	NCAP-M8		NUT CAP-08mm	4

Installation Instructions

10.2

Front Filler Kit Installation:

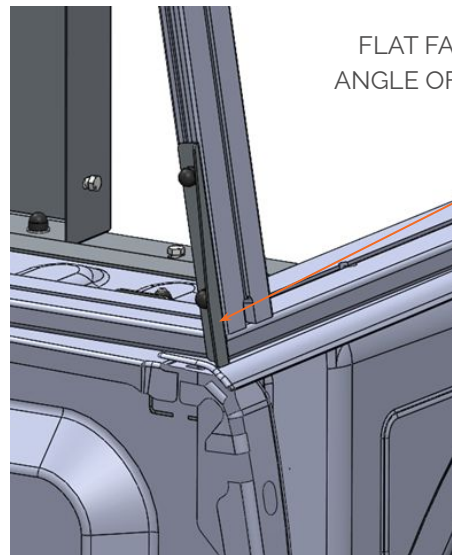
The front filler kit is made up of only two brackets that are optional extras for the long bed installation. The brackets assist with the aesthetic of the final install.

Short Bed Installation:

Not necessary

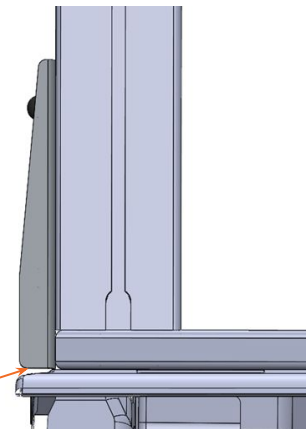
Long Bed Installation:

Slide two bolts into the front track on Canopy Camper. Position the brackets so that the flat side faces out, matching the side of the Canopy Camper. Fasten the bolts down and ensure the brackets are firmly in position.



FLAT FACE POINTS OUT, AND MATCHES THE ANGLE OF THE FRAME FOR THE Canopy Camper

POSITION BRACKETS AT THE BOTTOM OF THE FRAME AND FILL GAP WITH SEALANT



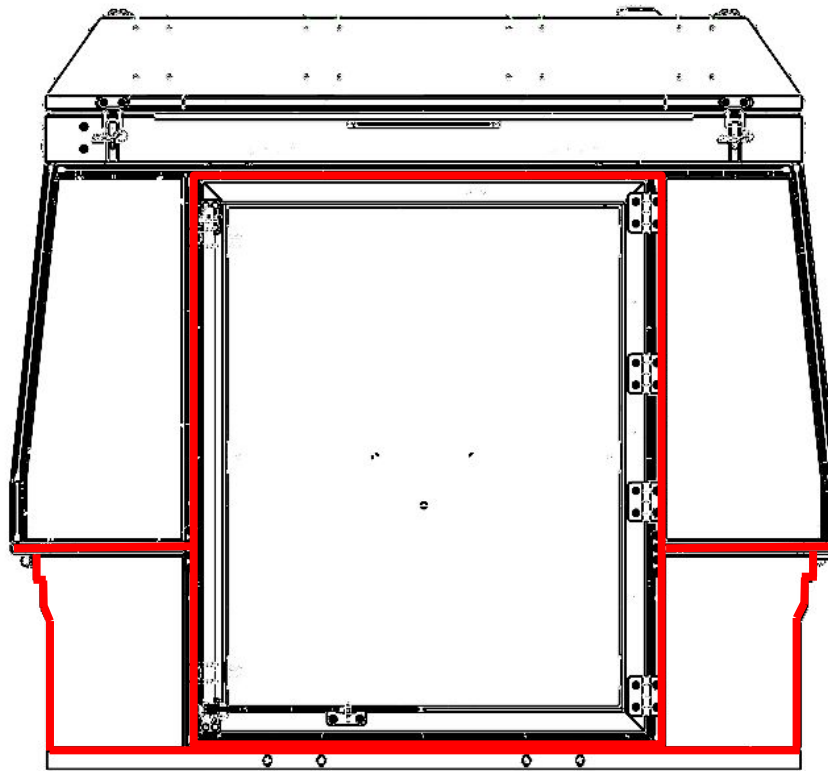
Installation Instructions

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Sealing canopy to base:

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

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

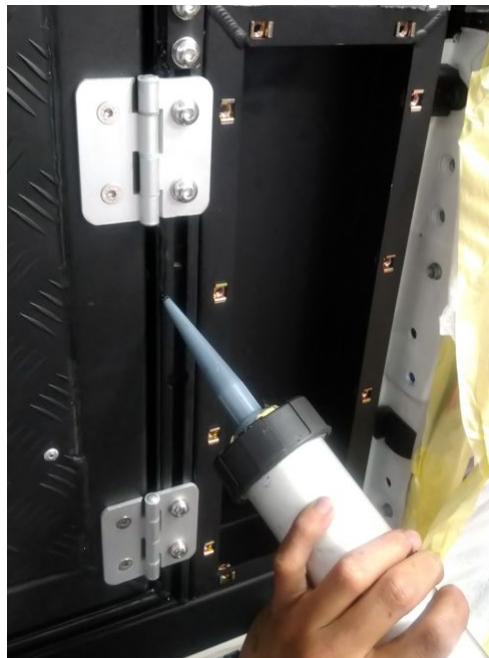


Installation Instructions

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Sealing canopy to base:

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



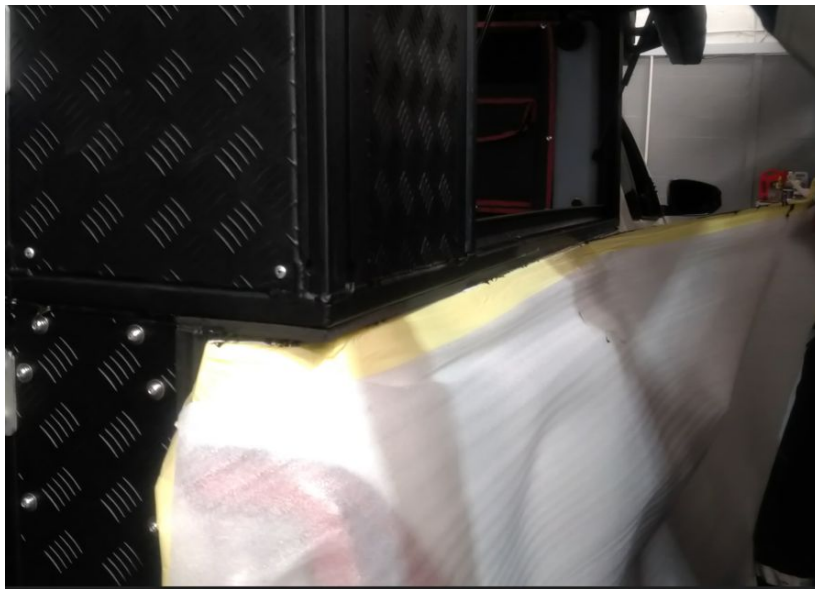
Dip one's finger into soapy water and smooth over the sealant by gently running a finger over the bead.

Installation Instructions

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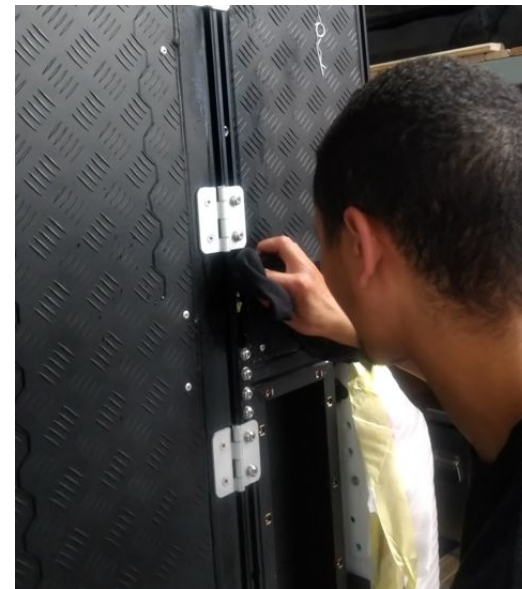
OPTIONAL Sealing canopy to vehicle body:

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

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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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