Alu-Cab™

ULTIMATE OVERLAND PRODUCTS

FITMENT INSTRUCTIONS

TOYOTA TACOMA 2016 EXPLORER & CONTOUR CANOPY

SHORT BED & LONG BED

Installation Instructions

Preliminary information

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

Please following the instructions and check installation actions 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

Installation Instructions

Canopy Fitment – Tools, Fasteners & Hardware

1.1

Tools & Items Required

Ratchet
Allen key
13mm Socket
13mm Ring Flat Spanner

1.3

Hardware Required

TT-TOP-MNT-BRKT-01-00	6
TT-VERT-MNT-BRKT-01-00	6
TT-NUT-PLT-01-00	6
TT-SPACER-PLT-01-00	6

1.2

Fasteners Supplied (included with Side Boxes)

M8x30mm Hex Bolt	6
M8x20mm Hex Bolts	6
M8x30mm Cup Square Bolt	12
M8 Flat Washer	30
M8 Nyloc Nut	24
M8 Plastic Nut Cap	30
Elastic Band No.14	6

1.4

Item	
Turpentine	
Cloth	
Black sealant, silicone or Sikaflex	
Window Cleaner	

Brackets included:

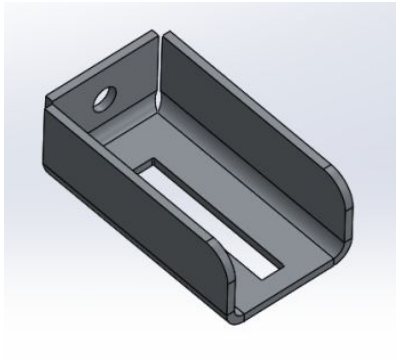


Fig 1: TT-TOP-MNT-BRKT-01-00

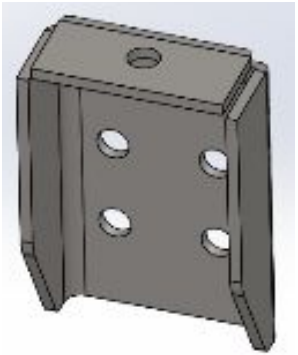


Fig 2: TT-VERT-MNT-BRKT-01-00

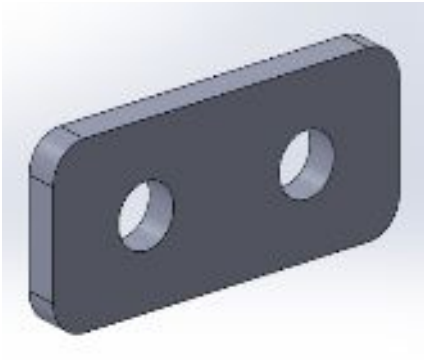


Fig 3: TT-SPACER-PLT-01-00

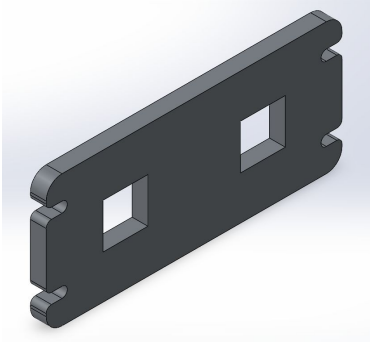


Fig 4: TT-NUT-PLT01-00

Mounting the canopy brackets to the load bin:

2

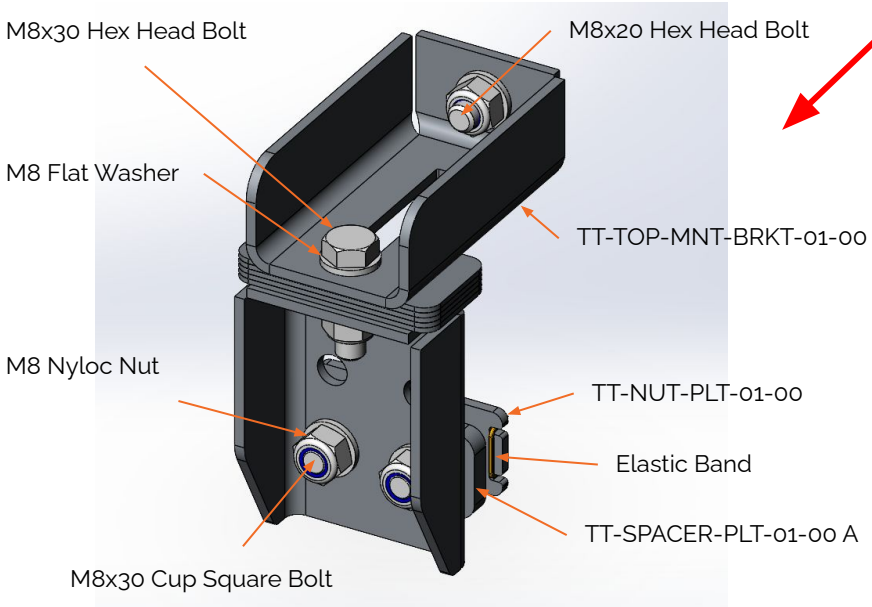


Fig 5: Isometric View of Tacome Bracket Kit Assembly

The Tacoma canopy has six bracket kits (3 per side) which are fitted to the load bin. Figure 5 , 6 & 7 below shows a bracket kit assembly.

Note fit the Cup Square Bolts into the Nut Plate as shown below.

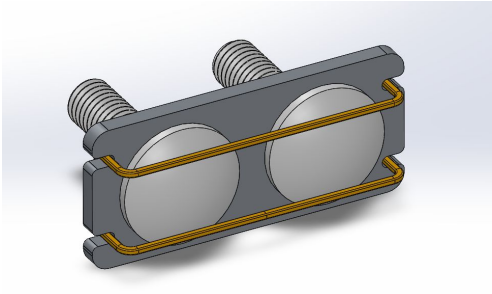


Fig 7: View of Tacoma Nut Plate Fitted with Cup Square Nuts and Elastic

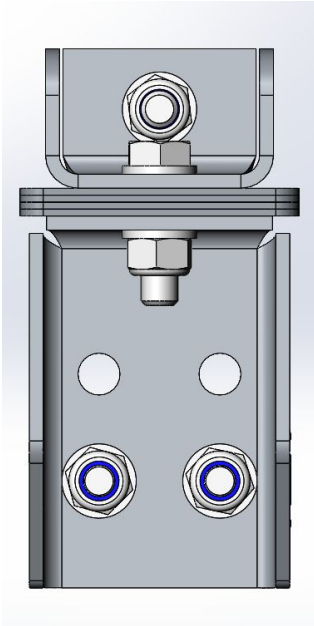


Fig 6: Tacoma Bracket kit Assembly Front View

Mounting the Support Brackets to the Load Bin:

2.1

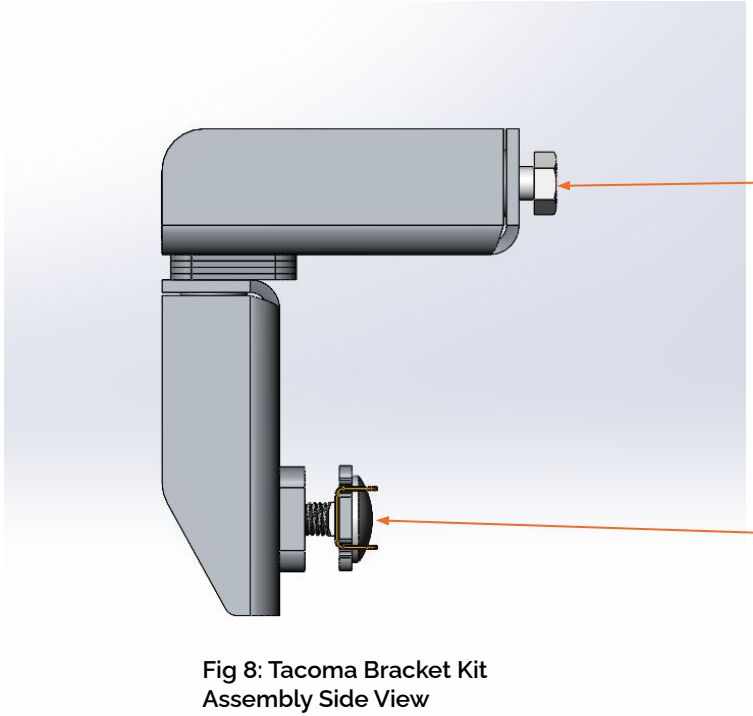


Fig 8: Tacoma Bracket Kit Assembly Side View

Positions of the bracket kits in the load bin:

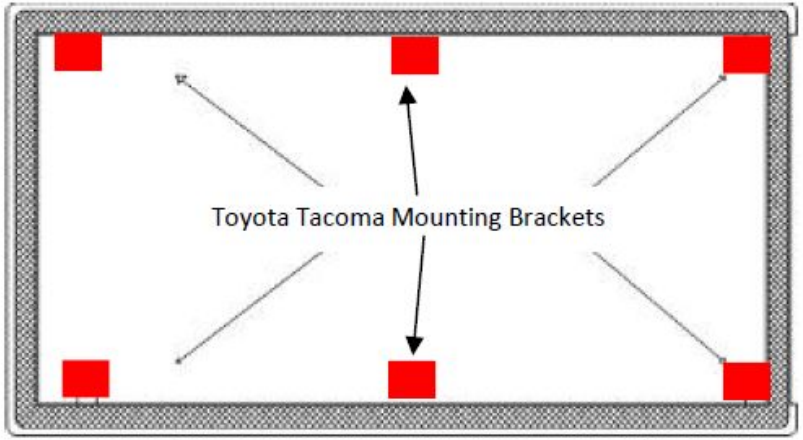


Fig 9: Top View of the Load Bin

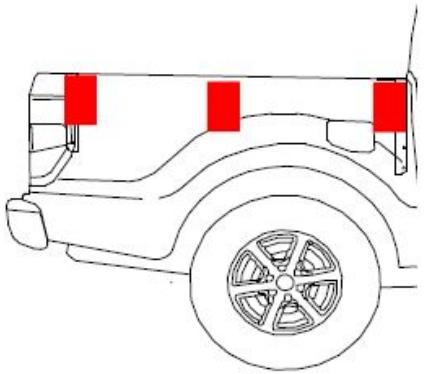


Fig 10: Side View of the Load Bin

Figures 9 and 10 show where the mounting brackets are fixed to the load bin.

Sealing the Front Bulkhead:

In the 2016 and later models of the Tacoma a front bulkhead spacer bracket is included as a stock item.

The bulkhead spacer bracket pictured in Figure 12 does not seal on to the load bin when it comes from the factory. To remedy this butyl tape (3M window weld) can be used. The butyl tape is applied to the gaps indicated above, apply it as a putty and ensure that a large amount is used to ensure the best seal possible.



Fig 12: Gaps in Factory Bulkhead Spacer

Bolting the brackets to the load bin:

For each bracket assembly, first slide the nut plate assembly into the Toyota Tacoma load bin rail. TT-SPACER-PLT-01-00 will be sandwiched between the mounting bracket and the load bin rail as a spacer if needed. Use a combination of the nyloc nut and flat washer to fasten the mounting bracket to the rail. Using the M8x20 bolt that has been slid into the canopy frame's nut slot bolt bracket TT-TOP-MNT-BRKT-01-00 to the nut slot in the canopy frame and to TT-VERT-MNT-BRKT-01-00 to secure the canopy in place using shims to ensure even spacing across the load bin.

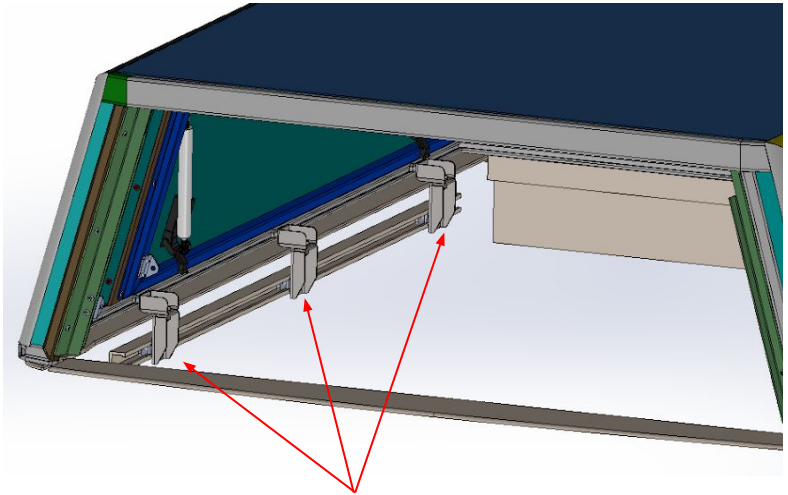


Fig 10: Tacoma Bracket kits.

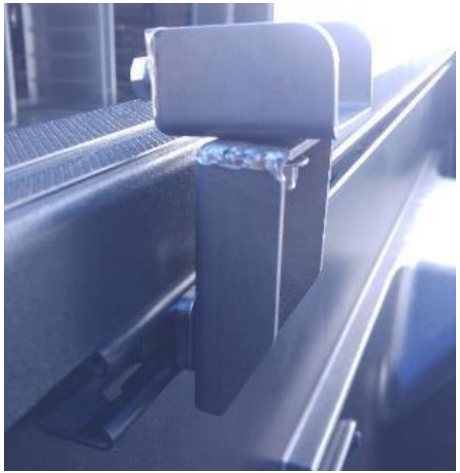
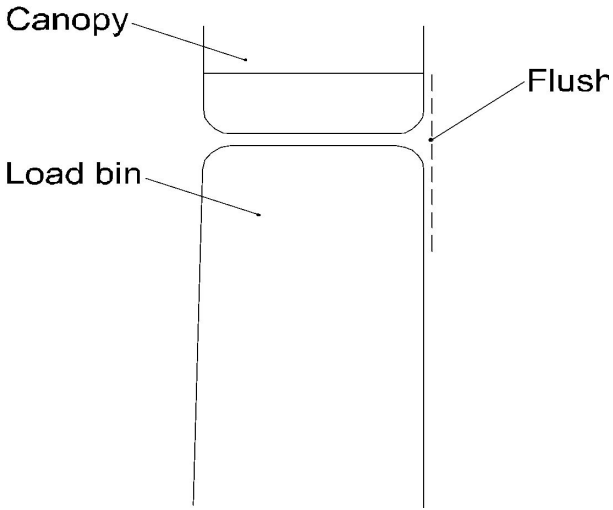


Fig 11: Photos of Bracket kit assembled in Tacoma Load Bin

3

Canopy Installation:

Keep all the doors of the canopy open besides the rear door when placing it onto the load bin. Check alignment before bolting down



Canopy Installation:

3

Keep all the doors of the canopy open besides the rear door when placing it onto the load bin. With the TT-TOP-MNT-BRKT-01-00 affixed to the canopy and the TT-VERT-MNTBRKT-01-00 affixed to the load bin place the canopy on to the load bin.
If there are any gaps between the TT-TOP-MNT-BRKT-01-00 and the TT-VERT-MNT-BRKT-01-00 fill the gap with shims. With the shims in place raise the rear of the canopy slightly, approximately 10mm, add another two or three shims to the rear mount brackets and drop the canopy into position again.
The mount brackets will now fully support the canopy weight. Check the distance between the rear door lip seal and the load bin, the distance should be approximately 5 mm to ensure the rubber does not tear but still seals.
Work forward from the rear brackets and shim up the mounting brackets where required to ensure and even compression of the D-rubber on the bottom of the canopy frame. With the rubber evenly compressed fasten the TT-TOP-MNT-BRKT-01-00 and the TT-VERT-MNTBRKT-01-00 to each other using a M8x20mm Hex Bolt, two M8 Flat Washer and a M8 Nylock Nut. The canopy is now secure

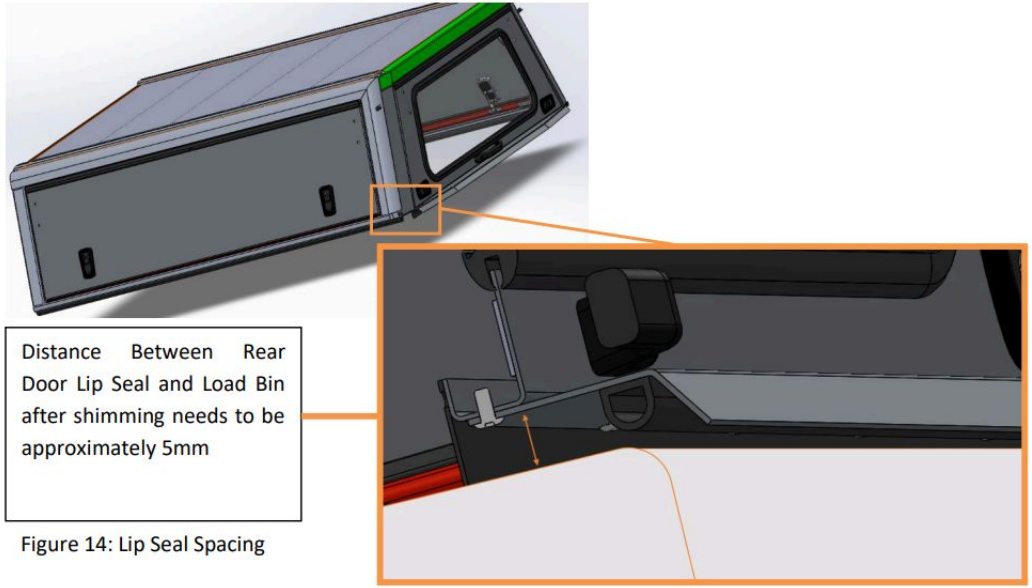


Figure 14: Lip Seal Spacing

Canopy Installation:

3

With the Canopy fitted reinspect the windoweld and ensure all gaps are properly closed.
The finished Canopy should look like figures below.





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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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