Alu-Cab™

ULTIMATE OVERLAND PRODUCTS

FITMENT INSTRUCTIONS

Toyota Tacoma 2024 (SB & LB) Canopy Fitment Instruction

Urgent Bulletin - Factory Errors and Remedial Action

It has recently come to our attention that the are some errors in the production process of our TT24 Contour Canopies. We sincerely apologize for any inconvenience this may have caused to your operations and assure you that we are committed to resolving this matter swiftly and effectively.

Issue Overview: During a recent quality assurance review, we identified errors in the assembly of the loadbin seal (D Rubber) on the TT24 Canopy. These issues may have affected all products to date.

Impact: The identified problems could result in errors in the fitment of the front seal and possible points of water ingress once the canopy has been fitted to the vehicle. While we have determined that there are no safety concerns, these discrepancies may not meet the high standards you and your customers expect from our products.

Remedial Actions: We have implemented the following measures to address the issue and prevent recurrence:

1. **Enhanced Quality Checks:**
    - Additional quality assurance protocols have been introduced at the factory to ensure similar errors do not occur in future production cycles.
2. **Communication Channels:**
    - Our dedicated support team is available to assist with any concerns or questions. You can reach us via:
        - Email: queries@alu-cab.co.za

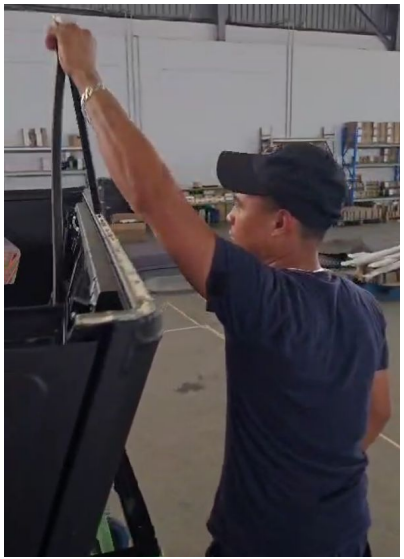
Next Steps: Please review your current inventory and identify any affected products. The next slide outline remedial action that you as distributors can take to remedy your existing stock. We kindly request your cooperation in completing this process.

We deeply regret any disruption this may have caused and appreciate your understanding and partnership as we work to resolve this matter. Your trust and satisfaction are of utmost importance to us, and we are taking every step necessary to ensure this issue is rectified promptly.

Thank you for your continued support.



Step1: Place Canopy on its Roof and start by drilling out the D-Rubber's securing rivets, using a Ø5mm drill bit. The rivets are located towards the rear canopy door



Step2: Remove the D Rubber by pulling it off the base of the canopy.



Step3: Use a dry cloth to remove loose pieces of glue, the glue acts as a primer for the frame, so it does not need to be completely removed. Continue with the preparation of the canopy as per the following slides

Preliminary Information

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Installation and fitment instructions, tools required, fasteners and the hardware required are included in kit.
Please follow the instructions and check installation actions with the images in this document.



Installation Instructions

1

Canopy Fitment – Tools, Fasteners & Materials The tables below show the equipment, i.e. , tools and fasteners required to start a Toyota Tacoma 2024 canopy fitment.

Tools & Items Required

1.1

TOOLS
Ratchet
13mm Socket
13mm Ring Flat Spanner
5mm Allen Key / Socket
4 mm Allen Key / Socket
Sika Gun (Optional)

ITEMS
Clean Rags
Isopropyl Alcohol
Sikaflex UV 521 (Optional)

Please be sure to lay out all parts provided on a table or flat surface in order to check that all required parts are accounted for and prevent potential frustration at a later stage.

Installation Instructions

Fitment of Front filler - Fasteners Supplied for Front Filler

2.1

ITEM	QTY	ITEM	QTY
M8x20mm Button Head Bolt	2	M8 Oversized Washer	4
M8x16mm Button Head Bolt	14	M8 Hex Nuts	14
M8 Plastic Nut Caps	2	M8 Nyloc Nuts	2
M8 Flat Washer	14	M8 Spring Washer	14

Please be sure to lay out all parts provided on a table or flat surface in order to check that all required parts are accounted for and prevent potential frustration at a later stage.

Installation Instructions

2.2

Fitment of Front filler - Hardware Supplied for Front Filler

ITEM	QTY
C2-SB-TT24-P019	1
C2-SB-TT24-P021	1
C2-SB-TT24-P023	1

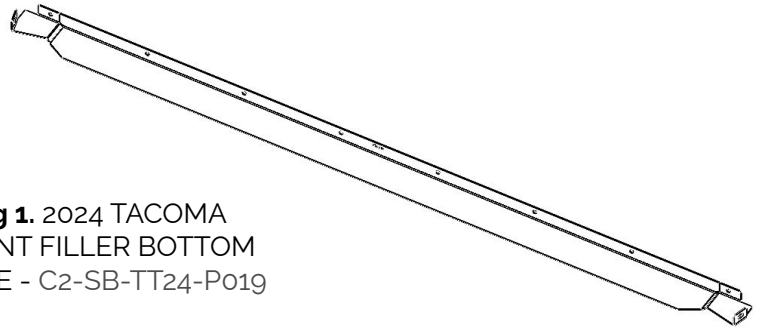


Fig 1. 2024 TACOMA FRONT FILLER BOTTOM PLATE - C2-SB-TT24-P019



Fig 2. 2024 TACOMA FRONT FILLER LHS - C2-SB-TT24-P023

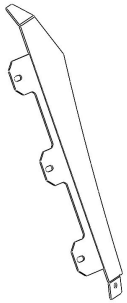


Fig 2. 2024 TACOMA FRONT FILLER RHS - C2-SB-TT24-P021

Please be sure to lay out all parts provided on a table or flat surface to check that all required parts are accounted for and prevent potential frustration at a later stage.

Installation Instructions

Fitment of Front filler - Fitting Hardware to the Canopy

2.3

1. Start by Unboxing the canopy and placing it on the roof.
2. Slide Supplied Hex nuts into the front nutslot of the canopy (8 OFF)



Fig 4. 2024 TACOMA CANOPY – AS UNBOXED, ON ITS ROOF

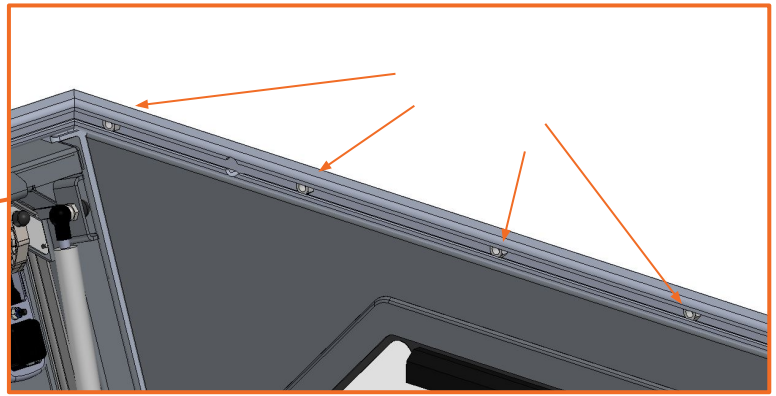


Fig 5. FRONT NUT SLOT WITH HEX NUTS

Installation Instructions

Fitment of Front filler - Fitting Hardware to the Canopy

2.3

3. Align hex nuts in nut slot with the holes in the front filler bottom plate
4. Clamp bottom plate down, compressing the rubber and install the supplied M8x16 Button head bolts, Spring washers and Flat washer (8 off)

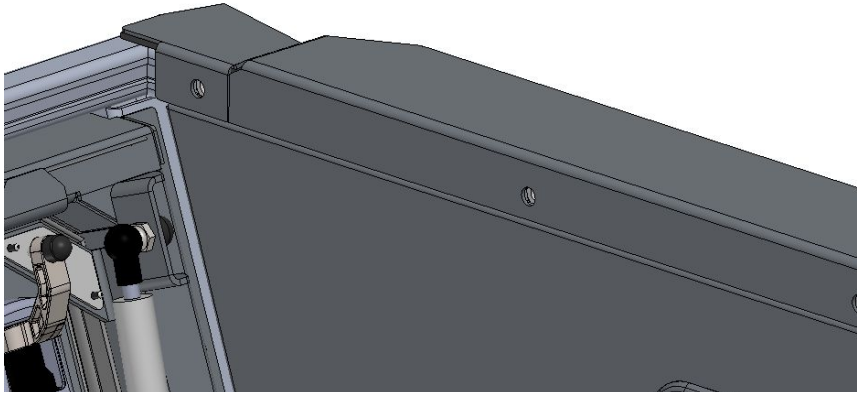


Fig 6. BOTTOM SUPPORT PLATE ALIGNING WITH HEX NUTS

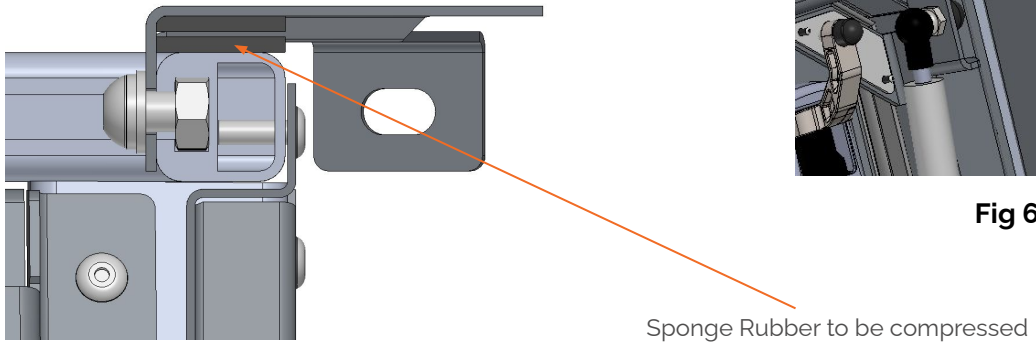


Fig 7. COMPRESSION OF RUBBER AND INSTALLATION OF BUTTON HEAD AND SPRING WASHERS

Installation Instructions

Fitment of Front filler - Fitting Hardware to the Canopy

2.3

5. Fit Hex nuts into the Front 50x25 nut slot
6. Fit Side Fillers and Secure to bottom Filler

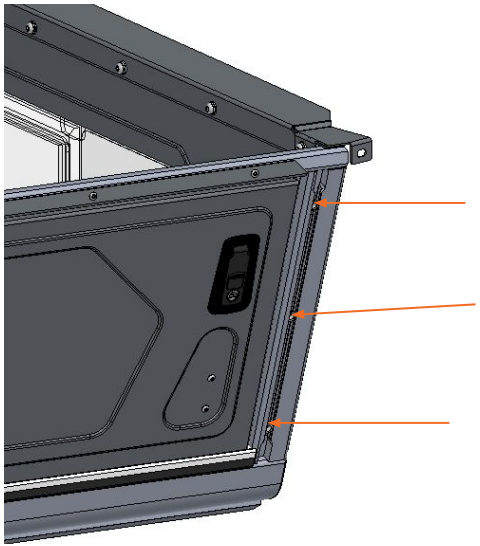


Fig 8. FIT HEX NUTS IN FRONT 50X25 NUT SLOT

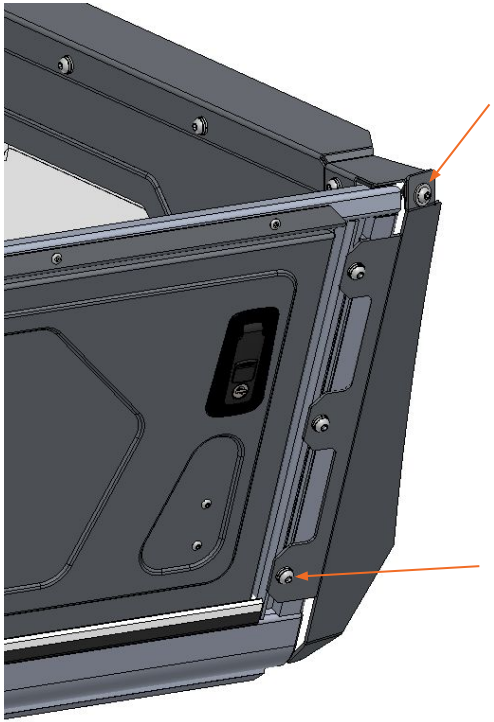


Fig 9. FIT SIDE FILLER PLATE

Installation Instructions

Installation of Rear Door Tail Seal

To prevent any possible damage occurring during shipment the rear door tail seal is shipped loose. It can be quickly installed by following the below steps:

1. Identify all the correct fasteners.

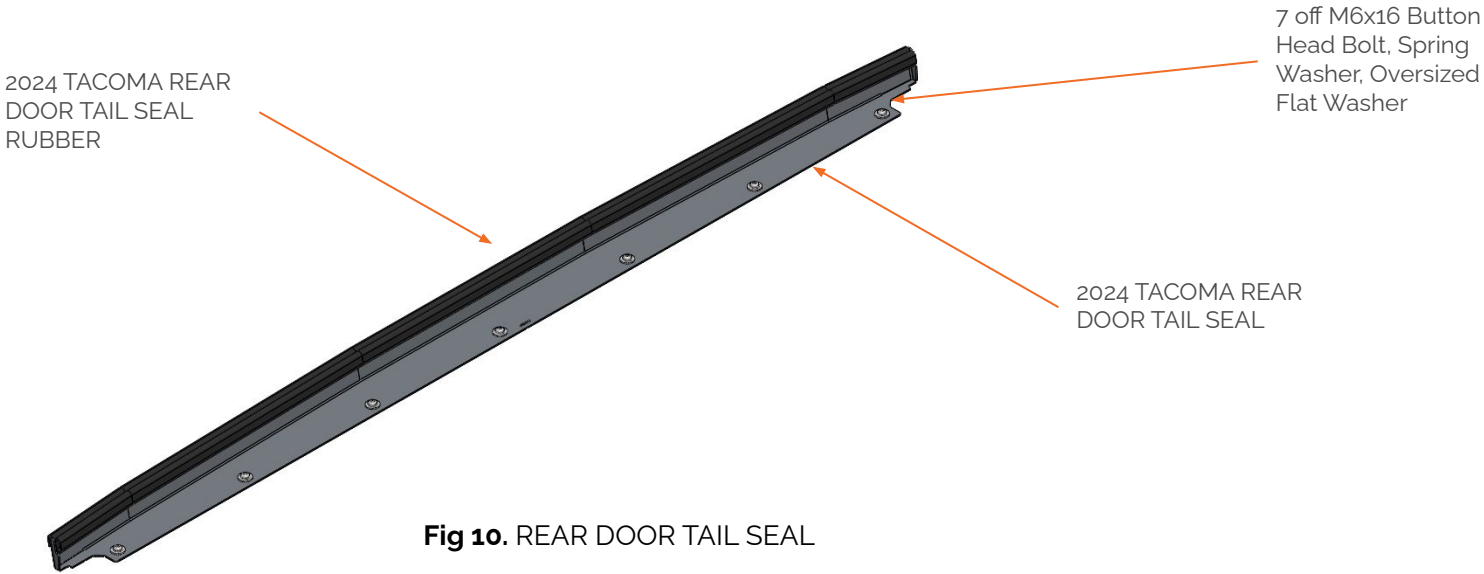


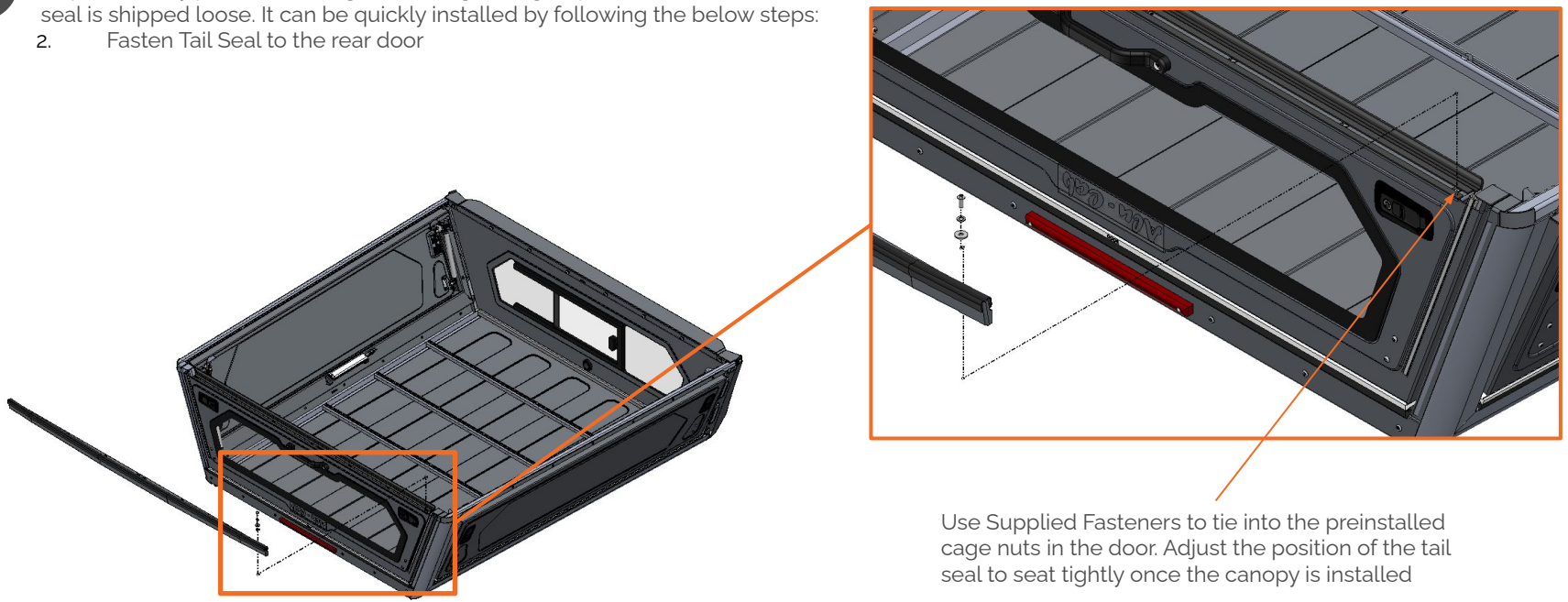
Fig 10. REAR DOOR TAIL SEAL

Installation Instructions

Installation of Rear Door Tail Seal

To prevent any possible damage occurring during shipment the rear door tail seal is shipped loose. It can be quickly installed by following the below steps:

2. Fasten Tail Seal to the rear door



Use Supplied Fasteners to tie into the preinstalled cage nuts in the door. Adjust the position of the tail seal to seat tightly once the canopy is installed

Fig 11. INSTALL REAR DOOR TAIL SEAL TO REAR DOOR

Installation Instructions

Installation of Canopy Self-Adhesive D Rubber

The Canopy is shipped with a loose roll of self adhesive D rubber. This can be installed by following the below steps:

1. Clean the adhesion surface of the canopy



Fig 12. PREPARING CANOPY FOR D RUBBER INSTALLATION

Use a clean rag soaked in isopropyl alcohol to clean the bottom surface of the canopy.

Note:

Do not use Lacquer Thinners or Turpentine (Gum Spirits) as these will negatively affect the powder coat finish of the canopy and will also create problems with the adhesive properties of the D Rubber.

Note:

It is not necessary to clean the Rear Door tailgate seal as D-Rubber will not be applied in this area.

Note:

Ensure that you clean the entire bottom surface area, with special attention being paid to the front filler.

Installation Instructions

Installation of Canopy Self-Adhesive D Rubber

4

The Canopy is shipped with a loose roll of self adhesive D rubber. This can be installed by following the below steps:

2. Install D-Rubber along the outer perimeter of the canopy

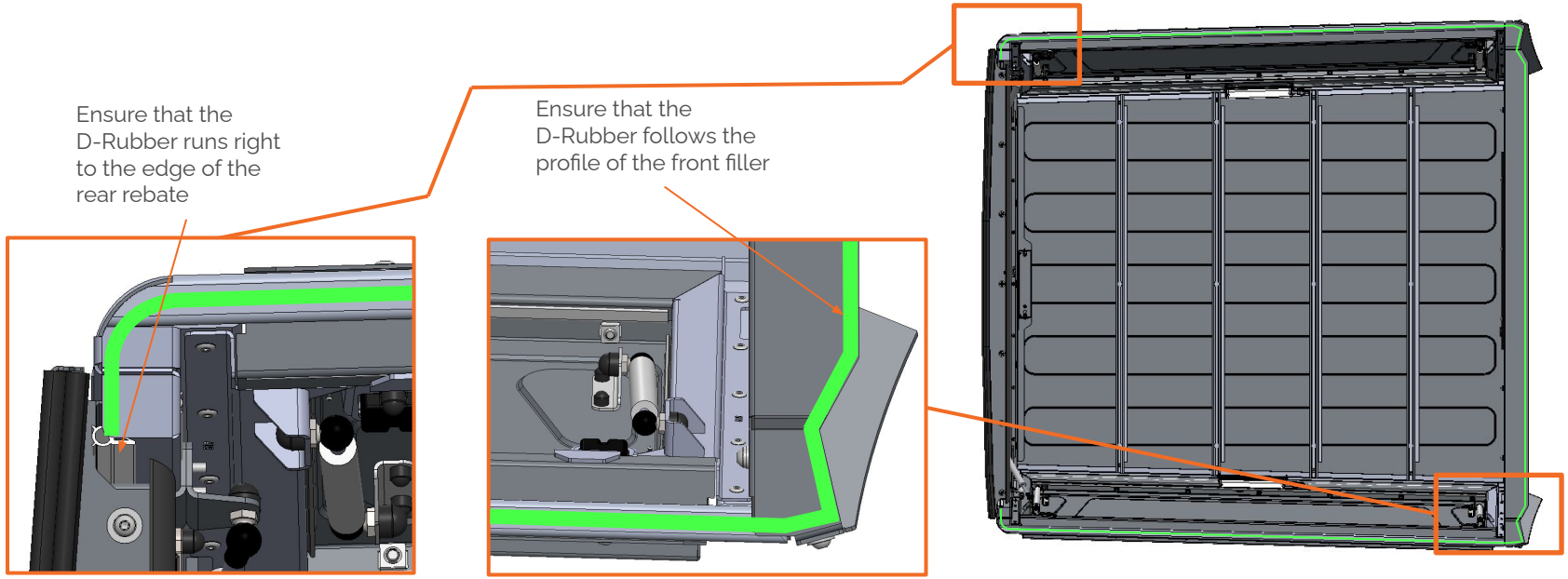


Fig 14. D RUBBER REAR REBATE APPLICATION

Fig 15. D RUBBER FRONT FILLER APPLICATION

Fig 13. D RUBBER INSTALLATION

Installation Instructions

5.1.

Canopy Mounting Brackets Identification

Figures below illustrate the canopy mounting brackets, spacer plates and nut plates for the Tacoma 2024 Canopy

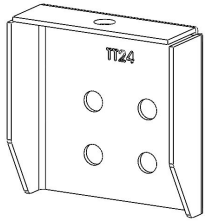


Fig 16. Bottom Mounting Bracket

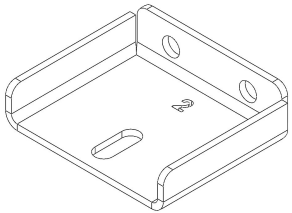


Fig 17. Top Mounting Bracket (2)

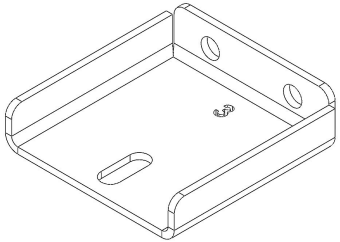


Fig 18. Top Mounting Bracket (3)

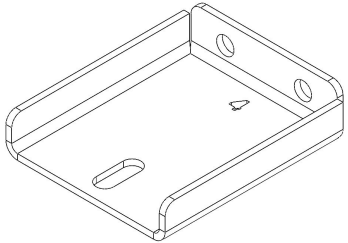


Fig 19. Top Mounting Bracket (4)

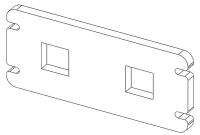


Fig 20. TT-NUT Plate

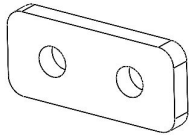


Fig 21. TT SPACER PLATE

Installation Instructions

5.2

Canopy Mounting Brackets Fastener Identification

Figure 22 below illustrates the canopy mounting brackets with the fasteners needed.
Please refer to the table to identify everything correctly.

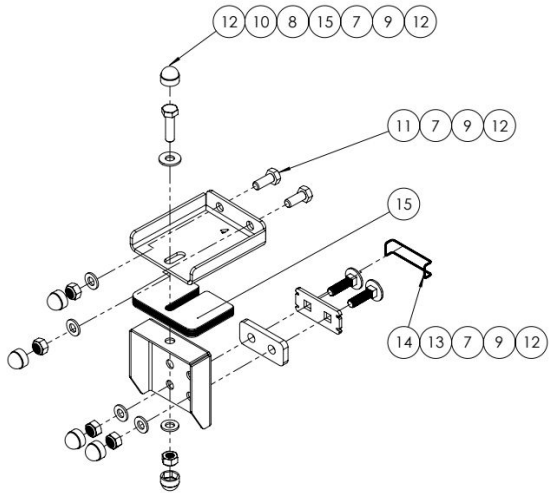


Fig 22. Assembled Mounting Bracket

ITEM NO.	PART NUMBER	Revision	DESCRIPTION	QTY
1	C2-FSU-MNT-P006	00	C2 FS MOUNTING TOP BRACKET 03	2
2	C2-TT24-M-BKT-P001	00	TOYOTA TACOMA 2024 VERTICAL MOUNTING BRACKET	6
3	TT-NUT-PLT-01	02	NUT PLATE	6
4	TT-SPACER-PLT-01	00	SPACER PLATE	6
5	C2-FSU-MNT-P002	01	C2 FS MOUNTING TOP BRACKET 04	2
6	C2-FSU-MNT-P001	01	C2 FS MOUNTING TOP BRACKET 02	2
7	FW-M8		M8x16mm FLAT WASHER S/S - DIN 125	30
8	FFW-M8		M8x20mm OVERSIZED WASHER S/S - DIN 9021	6
9	NY-M8		M8 NYLOC NUT S/S	30
10	HEX-M8x30		M8x30 HEX BOLT S/S	6
11	HEX-M8x20		M8x20 HEX BOLT S/S	12
12	NCAP-M8		NUT CAP-08mm	36
13	SQN-M8x30		M8x30 CUP SQ BOLT S/S	12
14	ELAS-BAND-14		ELASTIC BAND NO.6	6
15	AC001-STD-SHIM-01	00	STANDARD SHIM 01	36

Installation Instructions

Canopy Installation

6.1

Before the canopy is installed, the supplied butyl must be used to seal the gaps between panels in the OEM load bin. Refer to Figure 23, it shows the panel gap in the front of the load bin. Separate the butyl into 2 equal pieces and build it up internally to bridge this gap.

Lift the canopy and place it onto the load bin. Ensure that the canopy is centred on the load bin by checking that the spacing is the same on the left and right.

Move the canopy forward or backwards until the gap between the front filler and the cab is between 15 – 25mm.
Test the rear door of the canopy to ensure that the wiper seal clears the horn on the tailgate. The seal will pass over the horn and then seat snugly when the door is closed.
When the door is opened there will be a little resistance however this will be overcome once the door has moved beyond a 5-degree angle.
Reposition the canopy along the length of the load bin if the rear door does not open and close smoothly. The tail seal fitted in Step 3 must also be adjusted so that the sealing rubber seats tightly onto the tailgate.

With the canopy in the correct position, the mounting brackets can be fitted, and the canopy can be secured.



Fig 23. Panel Gap – Front Bulkhead and Side Panel

Installation Instructions

Installing the Mounting Brackets.

6.2

1. Assemble six nut plate assemblies

2. Slide the nut plate assemblies into the rail on the Tacoma Load bin. 3 off in the right-hand side rail and 3 off in the left-hand side rail. Ensure to space the nut plates out so that there is one on either side of the rail and one in the middle of the rail.

1

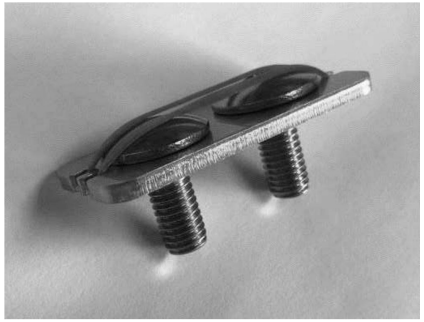


Fig 24. Nut plate assembly with elastic and cup squares

2



Fig 25. Rails on Tacoma Load Bin

Installation Instructions

6.2

3. Fit the bottom mounting brackets over the cup square bolts and fasten them down using the supplied M8 Nylock nuts and M8 Washers.

4. Slide 12 off M8x20 bolts into the bottom nut slot frame of the canopy (6 off in the right side, 6 off in the left side) and have them roughly align with the bottom mounting brackets.

5. Take note of the location and numbers of the top mount brackets in relation to the load bin.

3

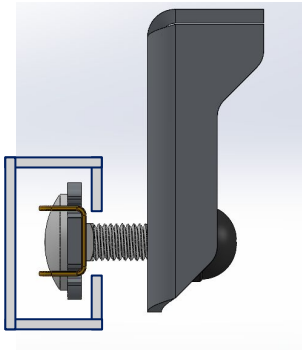


Fig 26. Fit bottom brackets over nut plate assemblies in Tacoma rails

4

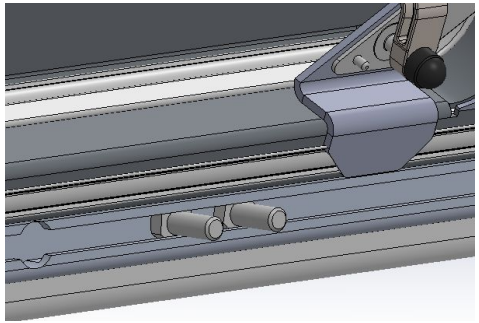


Fig 27. M8x20 Bolts in the Canopy's Bottom Nut Slot Rails

5

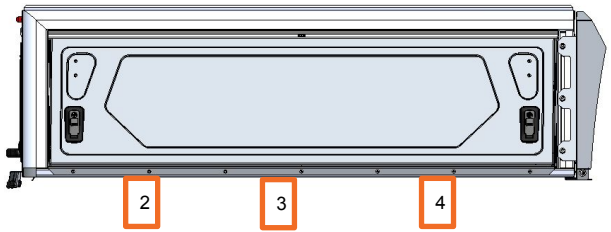


Fig 28. Approximate Bottom Bracket Positions and the Number of their Corresponding Top Brackets

Installation Instructions

3.2

6. Fit the top mounting bracket to the M8x20 bolts and use the supplied M8x30 bolt as a guide to ensure the top and bottom bracket line-up. Fasten the bracket to the canopy frame using the supplied M8 Nylock Nuts and M8 washers.

7. Fit enough shims in between the top and bottom brackets and then squeeze and extra shim in by lifting the canopy. This will allow the canopy to rest solely on the mounting brackets.

8. Use the M8x30 bolt to secure the top mount bracket to the bottom mount bracket and your fitment is complete.

Canopy Frame with Hex bolts fitted

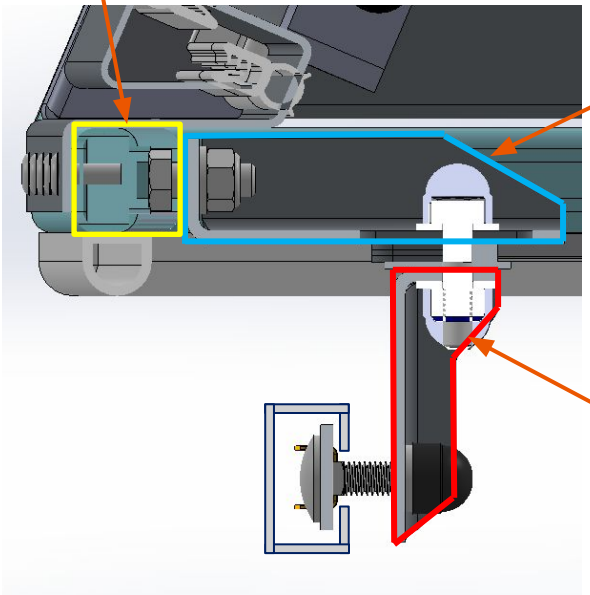


Fig 29. Fully Assembled Mounting Bracket Fastened to Canopy Frame

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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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