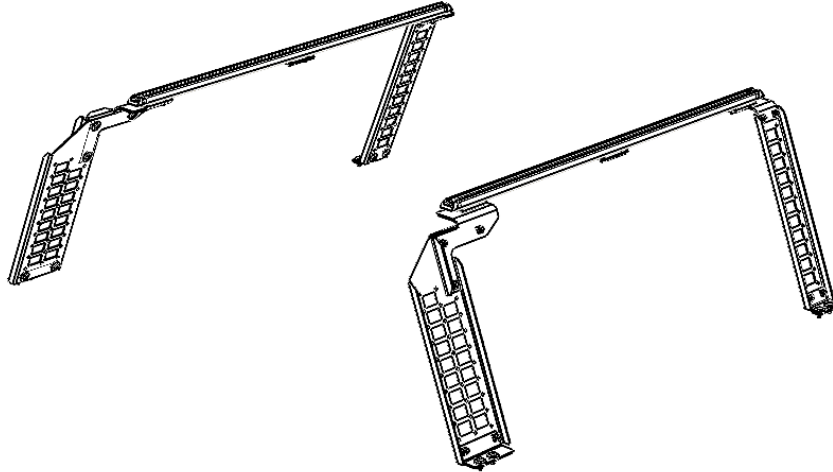




FITTING INSTRUCTIONS

4114225 ROOF RAIL AND INTERNAL FRAME KIT TO SUIT ASCENT AND CLASSIC CANOPIES FOR TOYOTA HILUX DUAL CAB 2025+



! PLEASE PROVIDE A COPY OF THESE INSTRUCTIONS TO THE CUSTOMER!

IMPORTANT:

- These internal frame brackets are designed for fitment to the vehicle tub with an ARB Hilux Ascent or Classic canopy already fitted to the tub.
- It is advisable to have the roof rails and internal frame brackets fitted by an authorised dealer.
- Fitment can be undertaken with one person.

SAFETY:

ARB Canopy Racks, and ARB Canopy Roof bars (sold separately) must never be fitted to another product. These products **MUST** all be fitted with this internal frame support kits as stated above

CARE OF YOUR CANOPY:

Please refer to the "Owner's Manual Supplement" on the second last page of this instruction, **to be given to the purchaser on installation.**

OWNERS MANUAL SUPPLEMENTS:

Please fill out the "Owner's Manual Supplement" on the second last page of this instruction prior to giving this to the customer.

RECORDS OF FITMENT:

Please complete the last page of these instructions for the "Fitment Check List" and retain these records at the dealer.

TOOL LIST FOR FITMENT:

- Torque Wrench 0-25Nm
- Ratchet
- Ratchet Extension
- T40, Torx Drive
- 10mm Socket

!! IMPORTANT!! OTHER THEN SPECIFICALLY SPECIFIED IN THIS INSTRUCTION

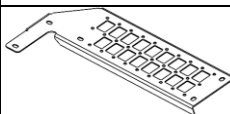
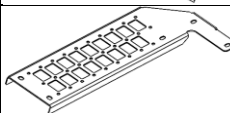
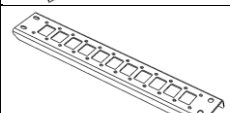
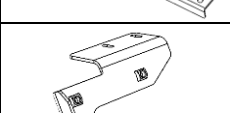
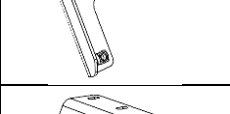
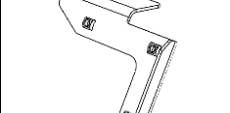
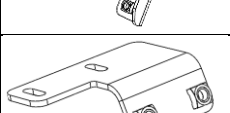
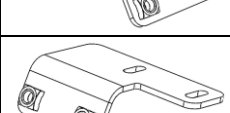
REQUIRED SCREW TORQUES:

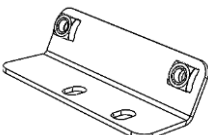
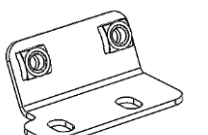
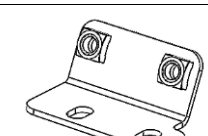
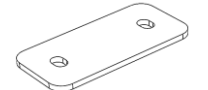
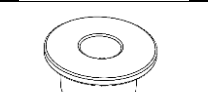
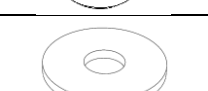
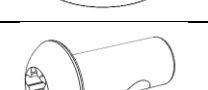
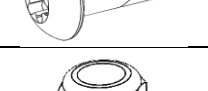
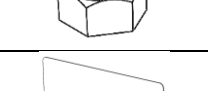
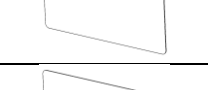
M8=20Nm

M6=9Mm

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

THE BOX FITTING KIT CONTAINS:

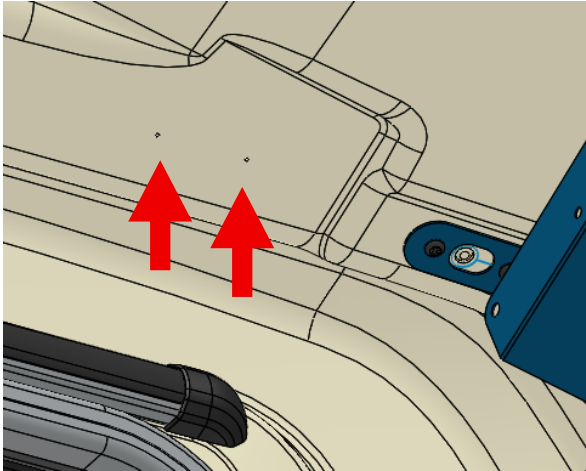
MOUNT KIT: 4114225	PART NO.	IMAGE	Qty	DESCRIPTION
	667PD061R		1	BRACKET REAR STRUT RH
	667PD061L		1	BRACKET REAR STRUT LH
	667PD048		2	BRACKET FRONT STRUT
	667AQ028R		1	BRACKET REAR ROOF RH
	667AQ028L		1	BRACKET REAR ROOF LH
	667AQ027R		1	BRACKET FRONT ROOF RH
	667AQ027L		1	BRACKET FRONT ROOF LH
	667AQ023R		1	BRACKET REAR MOUNT RH

	667AQ023L		1	BRACKET REAR MOUNT LH
	667AQ026R		1	BRACKET FRONT MOUNT RH
	667AQ026L		1	BRACKET FRONT MOUNT LH
	667AM001		2	ROOF RAIL ASSEMBLY
FITTING KIT: 6178656	667PD057		2	M6 PLATE - ROOF RAILS
	667PB004		6	ADHESIVE PAD
	6253462		12	SPACER ROOF RAIL
	4581082		12	WASHER FLAT M6x20 ZNB480
	4581303		18	WASHER FLAT M8x25.4x3 ZNB480
	6151924		18	SCREW BHD M8x1.25x20
	6151625		8	SCREW BHD M8x25
	6151223		12	NUT HEX NYLOC M6x1.0
	667PY001		1	TIE ACROSS WARNING LABEL
	2125823		1	LOAD RATING 150KG LABEL

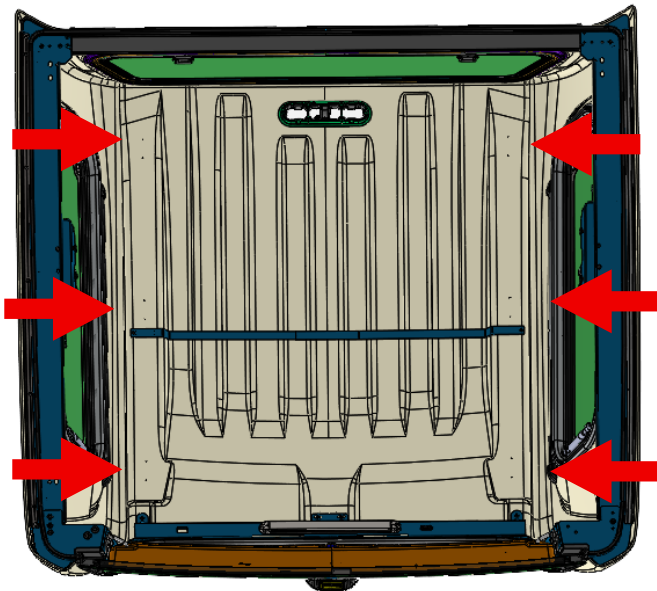
BEFORE STARTING

**READ THROUGH THE INSTRUCTIONS CAREFULLY
AND CHECK ALL PARTS**

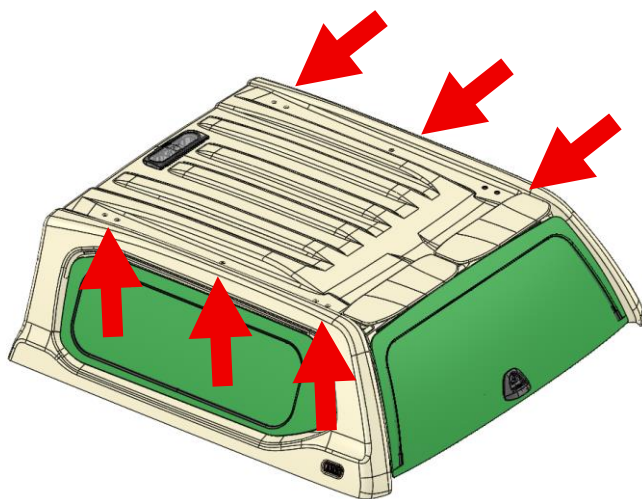
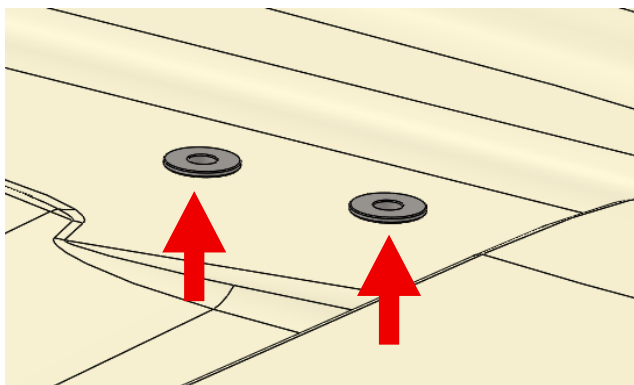
ARB CANOPY IS TO BE FITTED TO TUB BEFORE THESE RAILS AND INTERNAL FRAMES



1. Locate X12, drill points to ceiling of canopy shell. 6 drill points each side.
2. Use 3mm drill bit to drill pilot hole through each drill point.
3. Use 15mm drill bit to drill out X12, pilot holes.

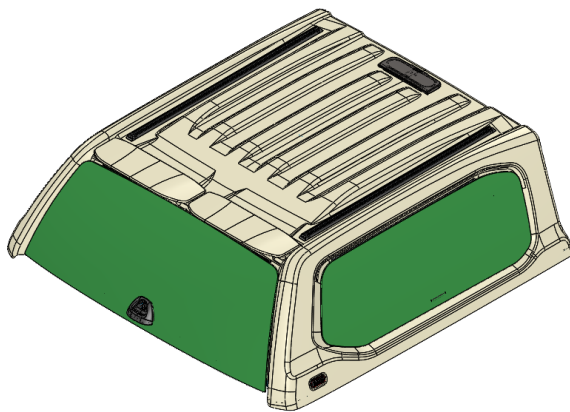
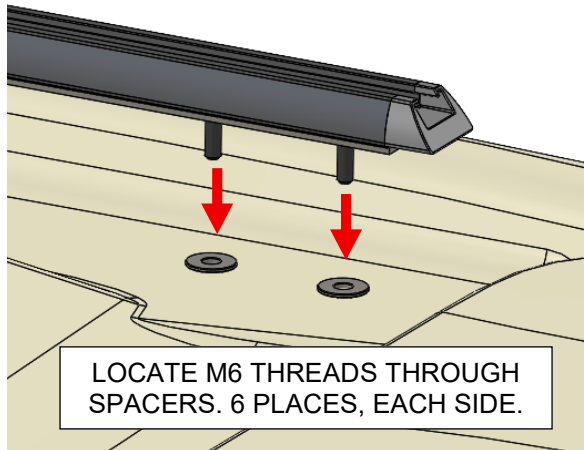
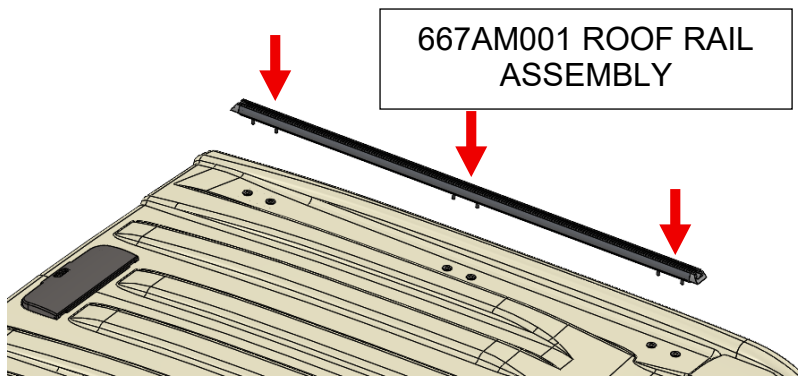


**DRILL 15MM HOLES
THROUGH SHELL. 12 PLACES**



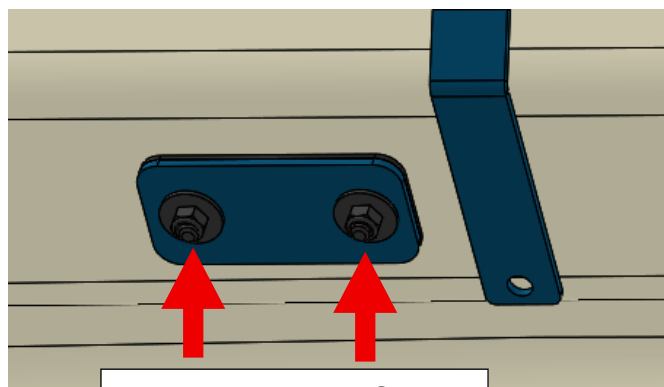
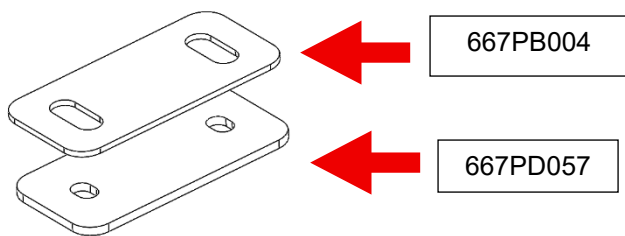
6253462 roof spacers
in 12 places.

4. Place 6253462 roof rail spacer to each hole, in 12 places.



5. Locate and align the M6 threads of the 667AM001 roof rail assembly thru the installed spacers.

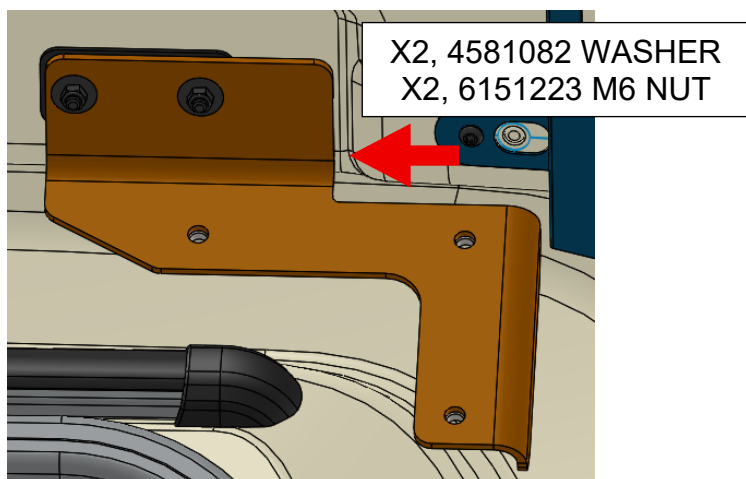
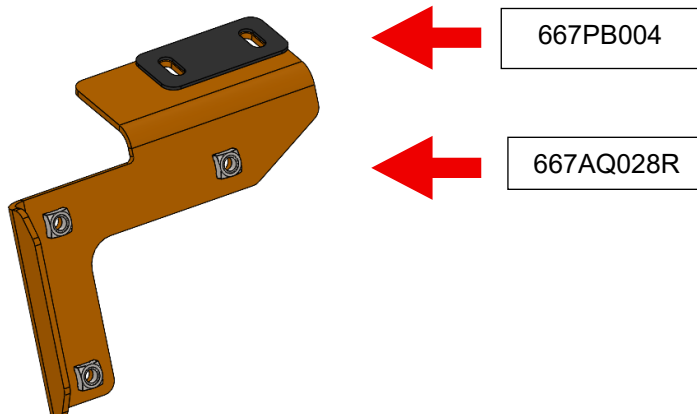
Install both sides.



X2, 4581082 WASHER
X2, 6151223 M6 NUT

6. Adhere 667PB004 foam pad to 667PD057 screw plate.
7. Locate plate over x2, M6 threads to centre of roof rail.
8. Fasten 4581082 washers and 6151223 M6 nyloc nut to threads and loosely fasten allowing minimal movement.

Do left hand side.

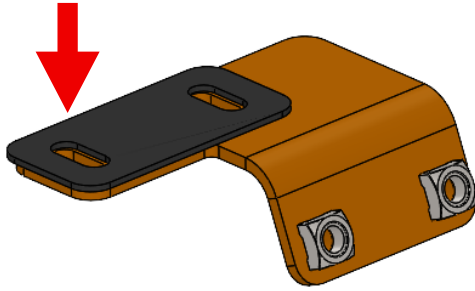


X2, 4581082 WASHER
X2, 6151223 M6 NUT

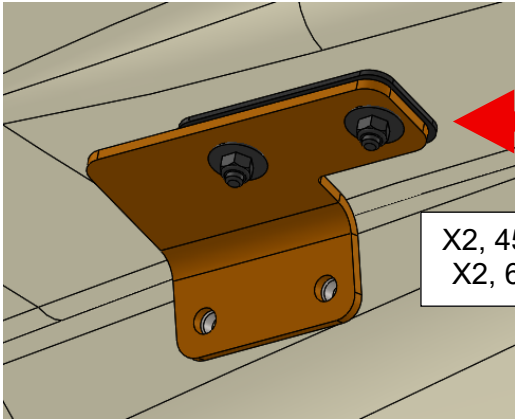
9. Adhere 667PB004 foam pad to 667AQ028R rear right hand roof bracket.
10. Locate to 667AQ028R over rear right hand M6 threads.
11. Fasten 4581082 washers and 6151223 M6 nyloc nut to threads and loosely fasten allowing minimal movement.

12. Do left hand side.

667PB004

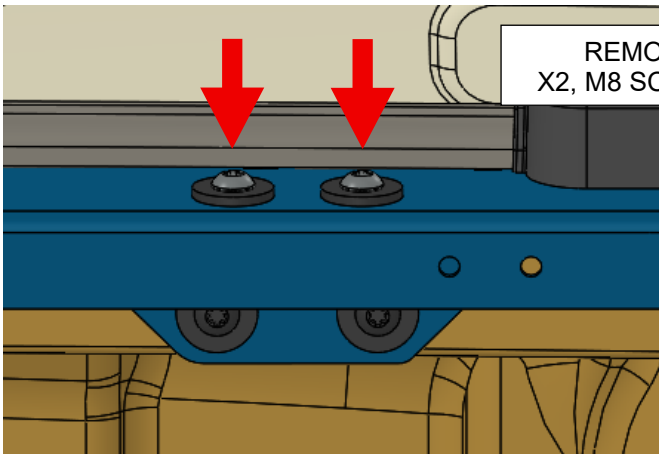


667AQ027R

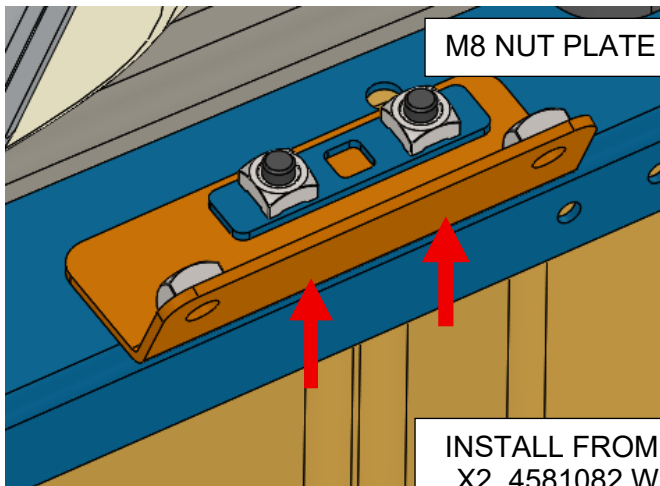


X2, 4581082 WASHER
X2, 6151223 M6 NUT

13. Adhere 667PB004 foam pad to 667AQ027R front right hand roof bracket.
14. Locate to 667AQ027R over rear right hand M6 threads.
15. Fasten 4581082 washers and 6151223 M6 nyloc nut to threads and loosely fasten allowing minimal movement.
16. Do left hand side.



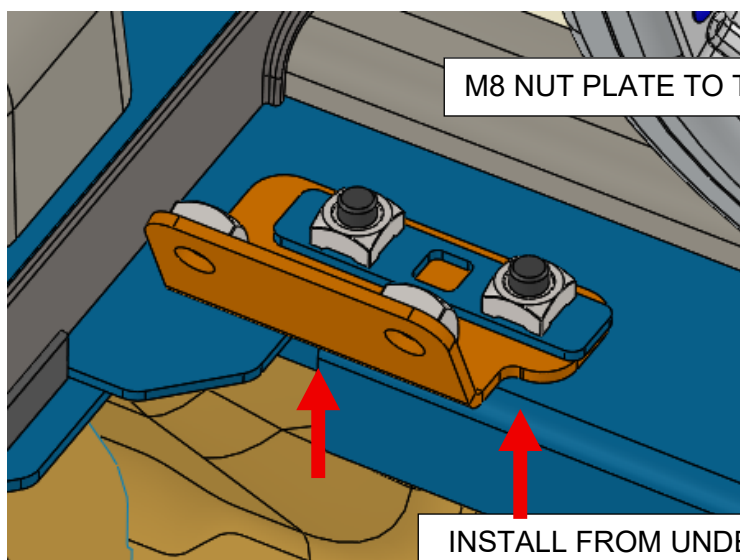
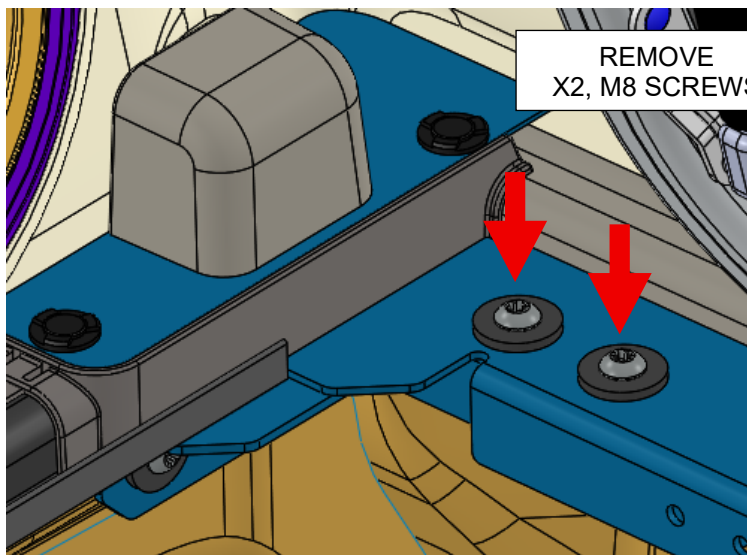
REMOVE
X2, M8 SCREWS



M8 NUT PLATE TO TOP

INSTALL FROM UNDER
X2, 4581082 WASHER
X2, 6151625 M8 SCREW

17. Go to rear right hand tub mount bracket. Remove X2, M8 screws and discard. Keep X2, M8 washers and M8 nut plate under.
18. Locate to 667AQ023R over rear right mount holes.
19. Flip M8 nut plate to top of bracket and fasten from under baserail with M8 washers and 6151625 M8x25 Torx screws. Loosely fasten allowing minimal movement.
20. Do left hand side.



INSTALL FROM UNDER
X2, 4581082 WASHER
X2, 6151625 M8 SCREW

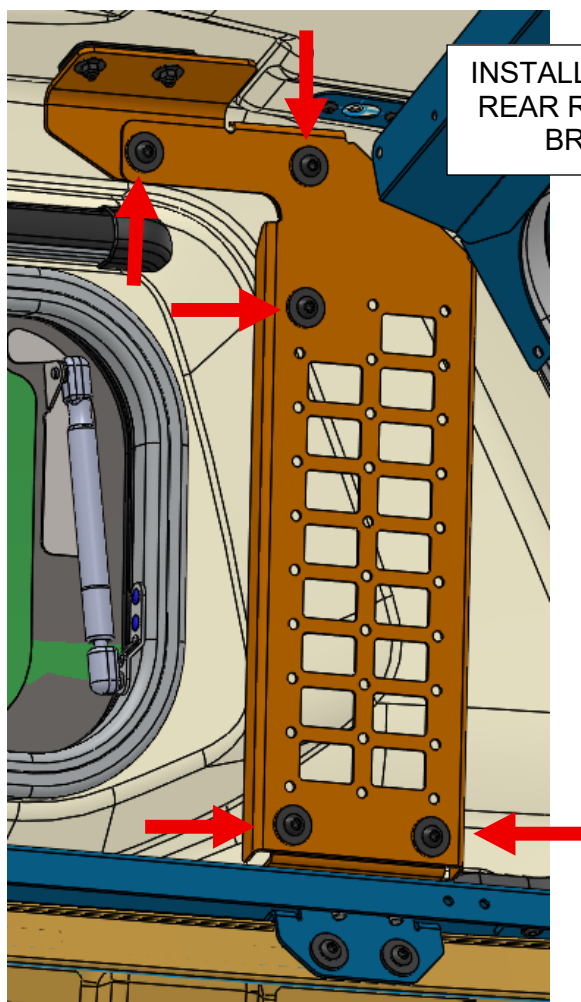
21. Go to front right hand tub mount bracket. Remove X2, M8 screws and discard.

Keep X2, M8 washers and M8 nut plate under.

22. Locate to 667AQ026R over rear right mount holes.

23. Flip M8 nut plate to top of bracket and fasten from under baserail with M8 washers and 6151625 M8x25 Torx screws. Loosely fasten allowing minimal movement.

24. Do left hand side.

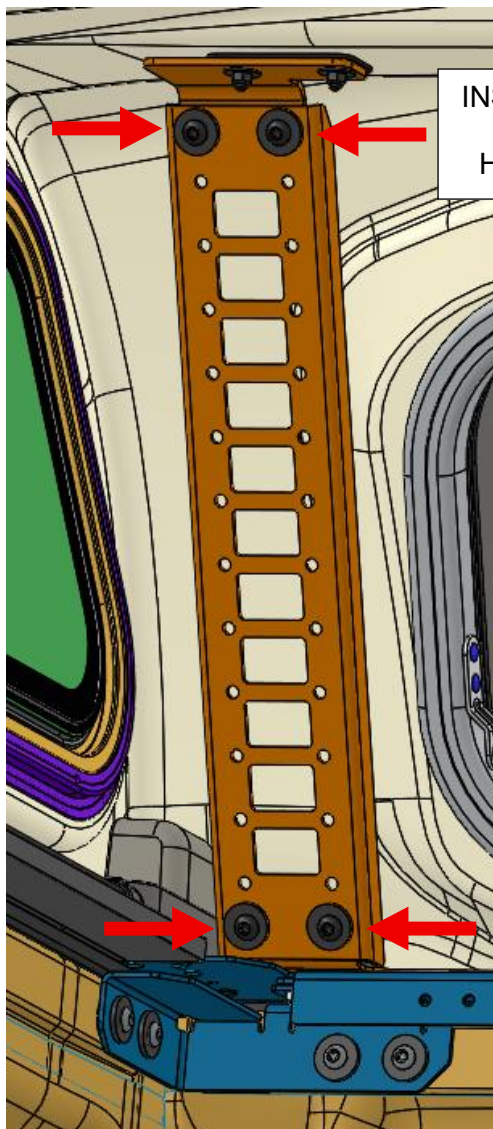


INSTALL 667PD061R
REAR RIGHT HAND
BRACKET

25. Go to rear right hand internal frame brackets top and bottom. Locate and align 667PD061R right hand rear frame bracket over X5, M8 threaded holes.

26. Fasten 4581082, washers and 6151924, M8x20 screws to threaded holes and loosely tighten fasten allowing minimal movement.

27. Do left hand side.

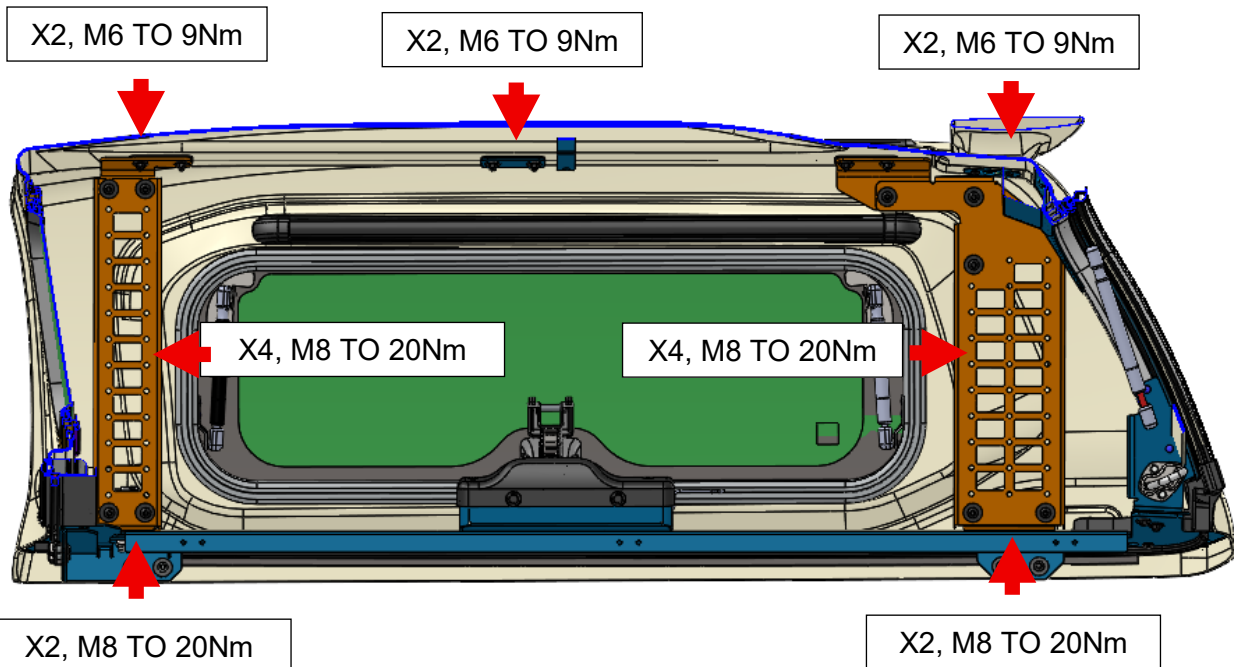


INSTALL 667PD048
FRONT RIGHT
HAND BRACKET

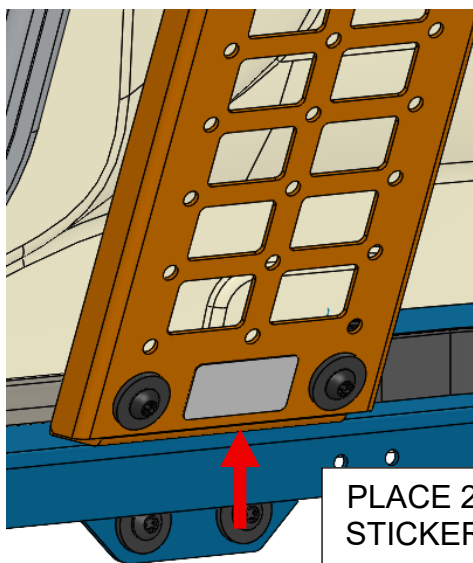
28. Go to front right hand internal frame mount brackets top and bottom. Locate 667PD048, front rear frame bracket over X4, M8 threaded holes.

29. Fasten 4581082, washers and 6151924, M8x20 screws to threaded holes and loosely tighten fasten allowing minimal movement.

30. Do left hand side.

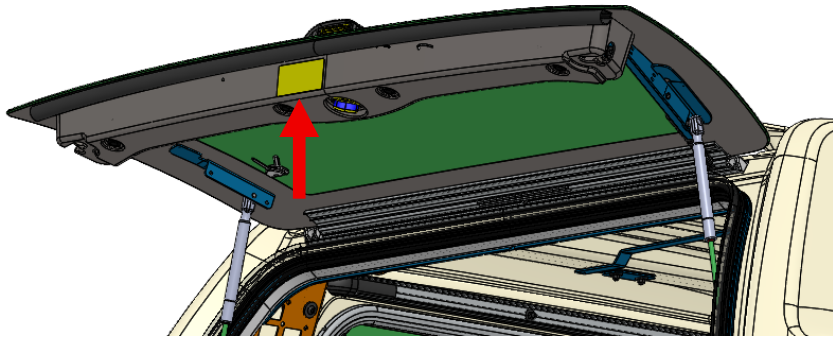


31. When all brackets, frame struts and fasteners are in place go to right hand side roof rail and tighten X6, M6 nyloc nuts in ceiling brackets to 9Nm.
32. Go to X4, 6151625, M8x25 Torx screws in base rail mount and tighten to 20Nm.
33. Go to 667PD048, front frame bracket and tighten X4, M8 Torx screws to 20Nm.
34. Go to 667PD061R right hand rear frame bracket tighten X5, M8 Torx screws to 20Nm.
35. Do left hand side.



PLACE 2125823, 150Kg
STICKER TO BRACKET

36. Place 2125823, 150Kg rating adhesive sticker between screw fixing on rear right hand internal frame bracket.



PLACE 667PY001, WARNING
LABEL STICKER TO DOOR COVER

37. Place 667PY001, warning
to underside of door cover.



SECTION 3: OWNERS MANUAL SUPPLEMENT (Give to the customer).

ARB - Ascent Canopy Tub support & Internal Frames

Canopy kit part number

4	1	1	4	2	2	5
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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.
- This warranty does not cover modifications / alterations, improper installation, abuse / misuse, accident, lack of maintenance, normal wear and tear and exposure to harsh chemicals or solvents.

!! Safety Warnings !!

- Always load roof racks and roof bars in accordance with their provided specifications.
- This product is only to be used on ARB Ascent Canopies.
- This product is **rated to a net payload as is stated on the load rating sticker as applied to this product**, when fitted with an ARB roof rack or ARB supplied Thule or Rhino Vortex roof bars.
- **Roof payload must be evenly distributed over the loading area, with the centre of gravity kept as low as possible. Narrow and heavy load should be kept close to the mounting feet.**
- Always observe local safety laws for long/overhanging loads.
- **Always tie down loads with quality straps. Check and retighten loads during the journey. Elastic straps are not suitable for securing loads**
- **Large objects such as surfboards should preferably stacked, instead of laid side by side. This reduces the aerodynamic lifting force. They should be strapped both front and rear.**
- **For carrying special items such as bicycles, skis and kayaks, specially designed carriers are recommended to be used.**
- **Loaded roof rack systems will affect the vehicles cross wind sensitivity, cornering and braking characteristics. Driving techniques should be altered to suit by reducing corner speed and increasing braking distance.**
- **Do not make any modifications to interior the brackets such as drilling or bending.**
- ARB recommends only fitting ARB approved accessories, designed for your canopy and frame system
- **Do not use internal frame bracket systems as hanging points or tie down points for loads**
- Do not allow solvents, chemicals or oils to contact the canopy or internal frames, as damage can occur. Clean interior canopy surfaces with water and mild detergent.

Maintenance Requirements

- **After the first 500km and 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) or contact ARB.**
- To clean, only use quality car care mild detergents, waxes and polishes. Do not use abrasive compounds on painted surfaces unless conducting repairs.
- **Interior support and internal frame brackets and roof carrier systems are highly structural, routinely check for signs of corrosion and movement. Consult you ARB dealer immediately if you have concerns**



SECTION 4: ARB INTERNAL FRAME FITMENT CHECKLIST

To be completed by the installer and records kept at the dealer.

ARB - Ascent Canopy Tub support & Internal Frames			
Vehicle make and model:			
Dealer Name and code:		Date:	
Vehicle registration:		Vehicle Vin No:	
Number of Kms:		Order No:	
Canopy serial number: (left inside corner on canopy pillar on inside of ARB badge recess)			
Roof top accessories (tick):	Aluminium Rack: ☐ Steel Rack: ☐ Base Rack ☐ Thule Roof bars: ☐	Rooftop tent: ☐ Awning: ☐	Other: (specify)
Vehicle pre-existing damage / condition check (details):			
(Tick)			
All screw torques completed as detailed in the instructions –! Important!			
Lift up windows operate via push button to open and close manually, without latches binding.			
Door operates via push button to pop open and close manually, without latches binding.			
Water test with high pressure hose has been completed around all mounting point holes in the roof of the canopy.			
The owner's manual supplement page, a copy of the fitting instructions and the ARB warranty booklet has been given to the customer and explained. (By law).			
Comments:			
Fitted by:			
Checked by:			