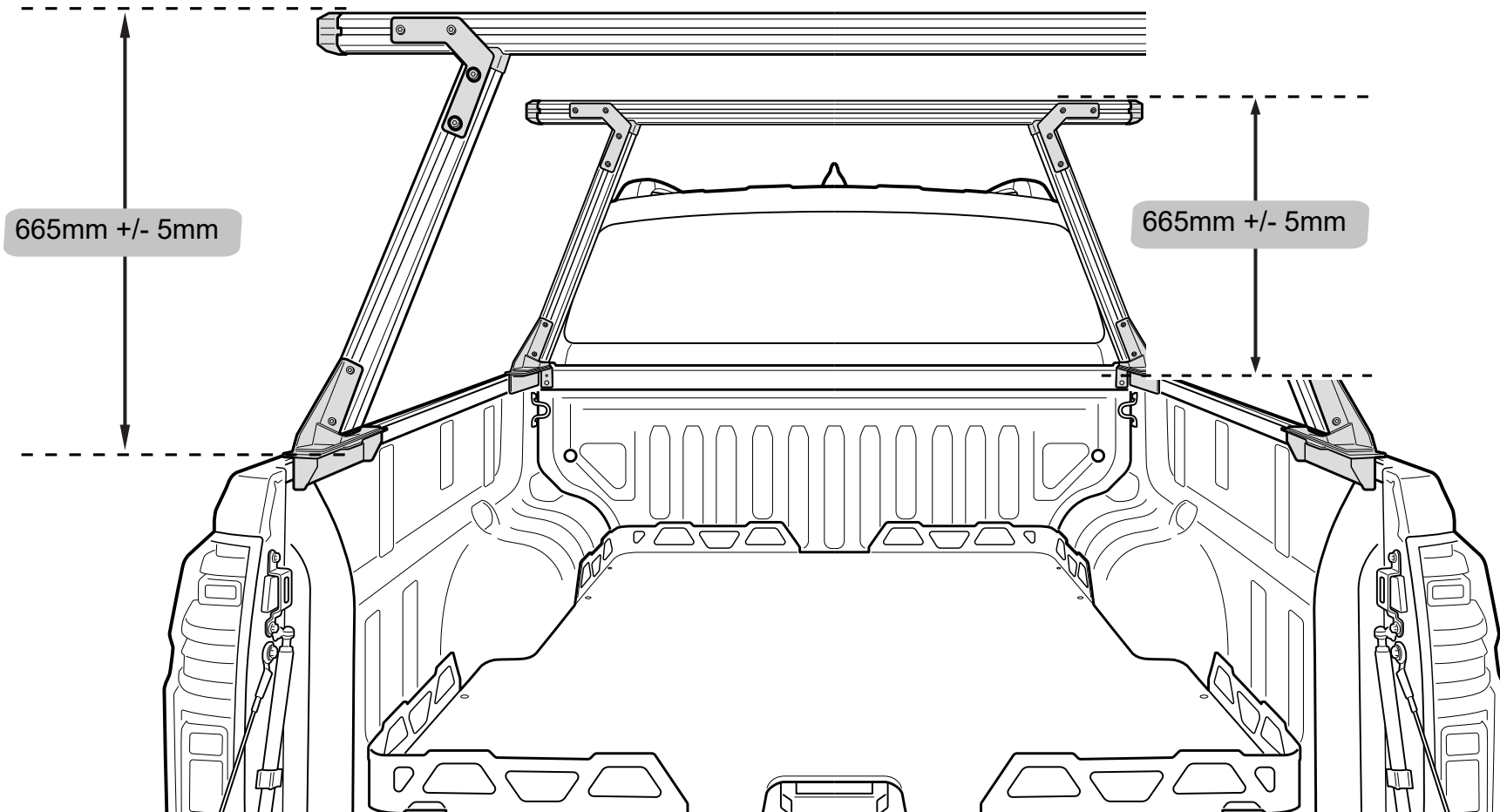




Once assembled on the tub, the load rack will be positioned at a height of 665mm +/- 5mm. If desired, you can adjust the height of your load rack before installation by following the instructions provided in the upcoming pages.





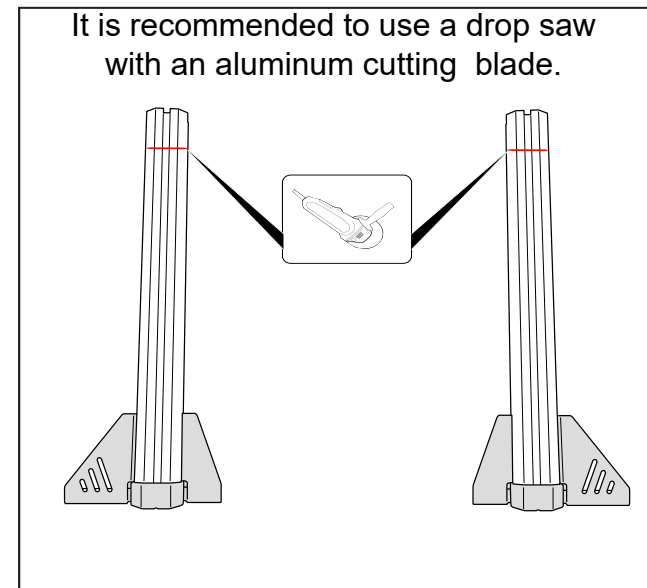
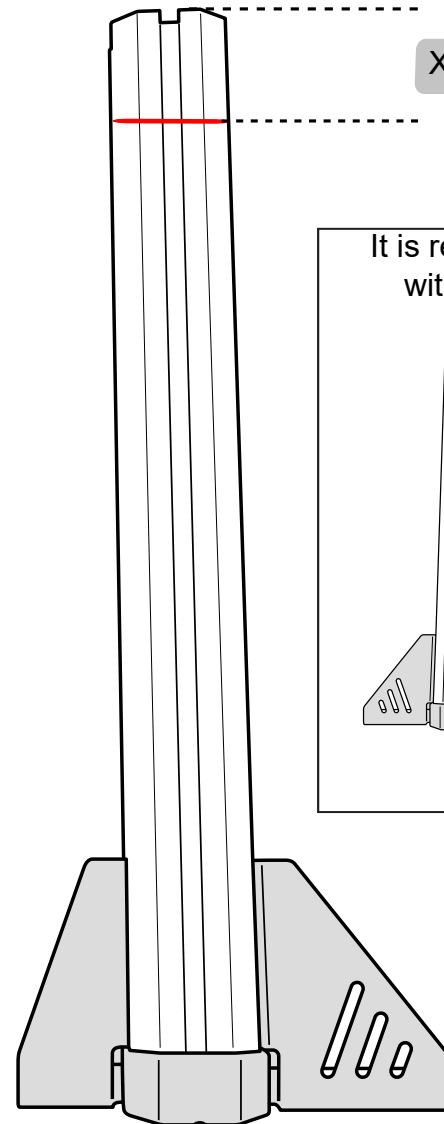
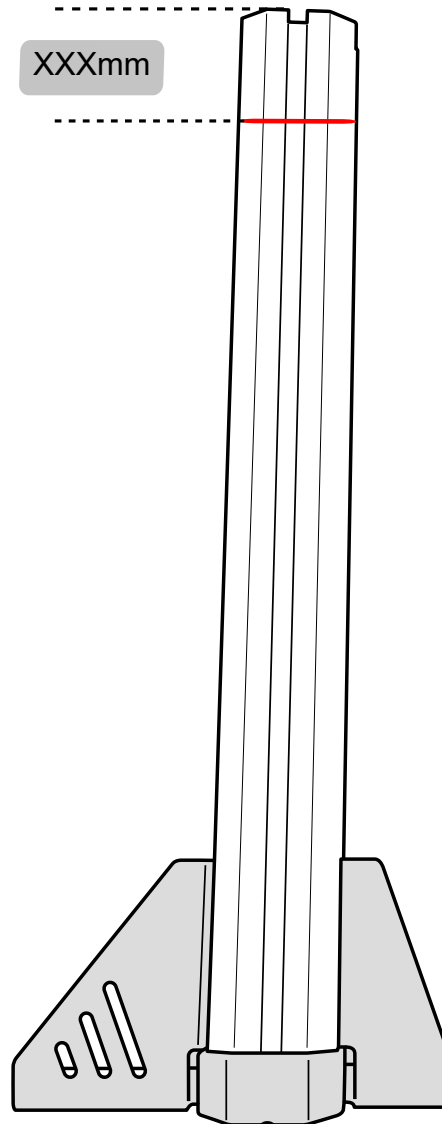
Please refer to the table below for guidance.
The left column indicates the desired height you can choose, while the right column provides a guide on how much to cut in order to achieve the desired height.



Mark the suggested deductions and proceed to cut the extrusion accordingly.

Load Rack - Cutting Dimension Chart

Load Rack Desired Height (mm)	Suggested Deduction Length (mm)
665 (As Per Kit) +/- 5	0
660	5
655	11
650	16
645	21
640	27
635	32
630	37
625	43
620	48
615	53
610	59
605	64
600	69
595	74
590	80
585	85
580	90
575	96
570	101
565	106
560	112
555	117
550	122
545	128
540	133
535	138
530	144
525	149
520	154
515	160
510	165
505	170
500	176





INSTALLATION INSTRUCTIONS

LOAD Rack (FRONT OF UTE TUB)



Application list:

Ford Ranger PX (2011-2022), Mazda BT50 (2011-2020), Haval GWM Cannon ute, LDV T60, Isuzu Dmax 2021+, Mazda BT50 2021+, Nissan Navara 2020+, Toyota Hilux A & J Deck 2016+.

INSTALLATION TIME:90minutes (Approximately)

<p>IMPORTANT</p>	<ul style="list-style-type: none"> • Do not exceed load limit indicated by manufacture. • If contact with volatile chemicals occur, clean bars with mild detergent and water solution
<p>Care Instructions</p>	<ul style="list-style-type: none"> • Read Instructions fully before commencing installation. • Clean with a mild detergent and water solution • Do not use abrasive cleaners or solvents • Refer to manufactures instructions applicable to power drill. • Protect surface against scratches during installation process.
<p>Maintenance</p>	<p>Refer to Maintenance instructions.</p>
<p>Tools Required</p>	<ul style="list-style-type: none"> • Pen / Marker • Soapy water solution • Allen Key set • Screw driver • Trim Removal Tool • Scissors & Knife • Spanner & Socket • Tape measure

PERSONAL PROTECTIVE EQUIPMENT:



Rubber Gloves



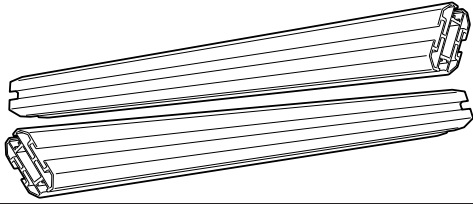
Goggles



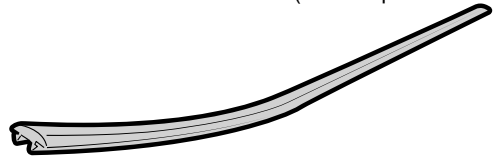
Hearing Protection

BOX CONTENTS

PART NO. LR-AE001-629mm (LOAD RACK LEG) Qty - 2



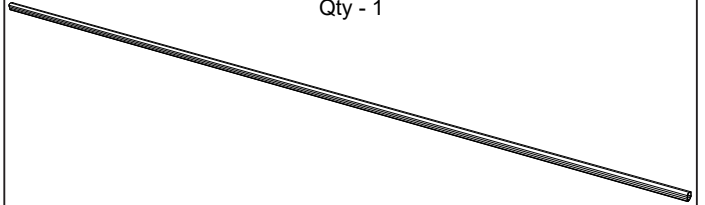
PART NO. S2.5-DC-RE-007-1550mm (Cross top Bar Rubber) Qty - 1



PART NO. LR-AE001-1466mm (LOAD RACK CROSS BAR) Qty - 1



PART NO. LR-RE-001 8100mm (LADDER RACK channel insert seal) Qty - 1



LR-SF-009RH



TUB FRH
BRACKET
Qty - 1

LR-SF-009LH



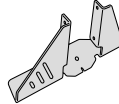
TUB FLH
BRACKET
Qty - 1

LR-SF-004



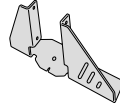
BASE FOOT
PACKER
Qty - 2

LR-SF-002RH



FRH LEG BASE
BRACKET
Qty - 1

LR-SF-002LH



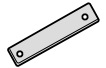
FLH LEG BASE
BRACKET
Qty - 1

LR-SF-005



CROSS BRACE
BRACKET
Qty - 4

LR-SM-001



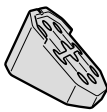
CHANNEL NUT
Qty - 14

LR-PI-001



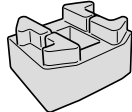
END CAP
Qty - 2

LR-RC-001



FOOT CAP
Qty - 2

LR-RC-002



UPRIGHT TOP
CAP
Qty - 2

LR-SF-002RH



M6 SPRING
WASHER
Qty - 34

LR-SF-002LH



M6x16mm
SOCKET
HEAD BOLT
Qty - 24

LR-SF-005



M6x20mm
SOCKET
HEAD BOLT
Qty - 8

LR-SM-001



S5 ALLEN KEY
Qty - 1



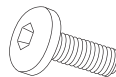
M6x20mm
SECURITY
BOLT
Qty - 2



SELF
DRILLING
SCREWS
Qty - 10



Hex
Security
Allen Key Bit



M8x30mm
ALLEN
HEAD BOLT
Qty - 4



M8 FLAT
WASHER
Qty - 4



M8SPRING
WASHER
Qty - 4



LR-SF-002
Stand alone
Foam
Qty - 2

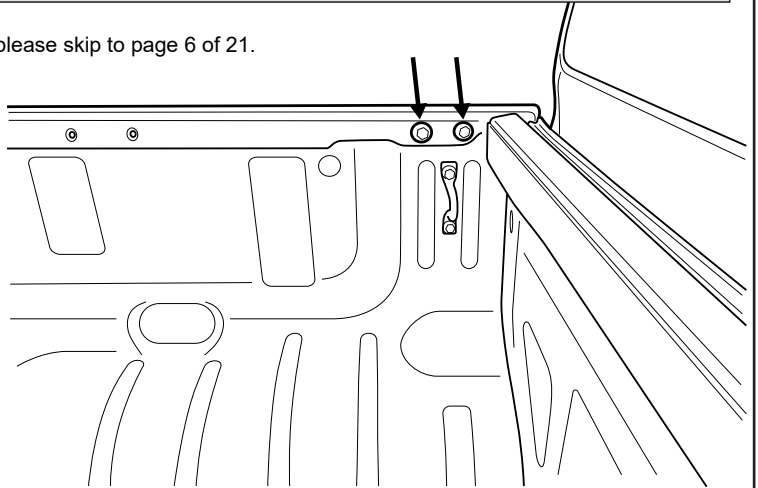
Tub preparation



If your ute bed is equipped with factory bolts to the locations indicated, please skip to page 6 of 21.

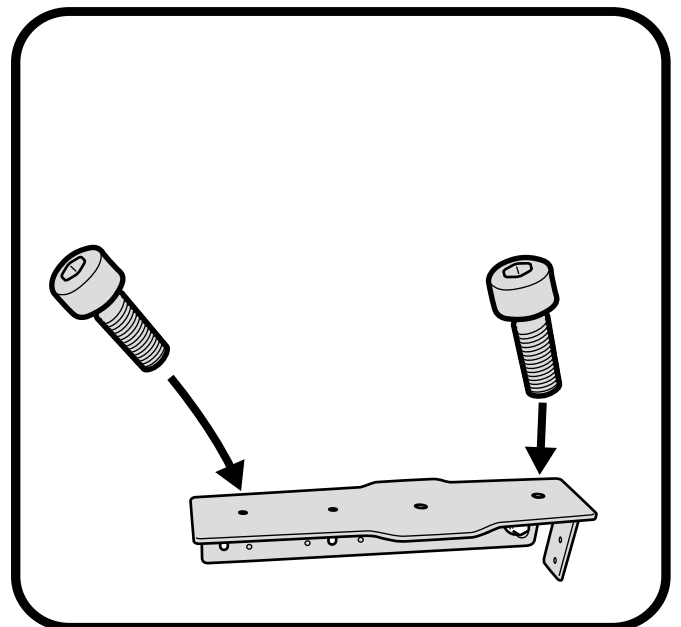
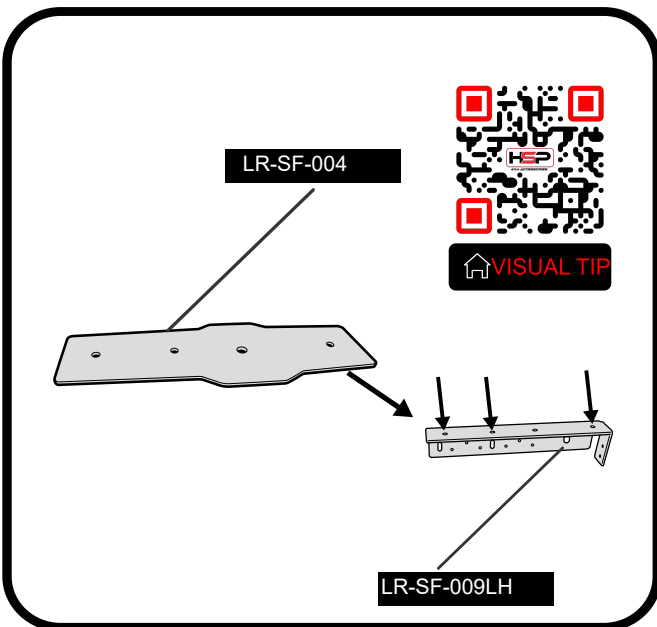


If your ute bed is equipped with factory bolts to the locations indicated, please skip to page 6 of 21.

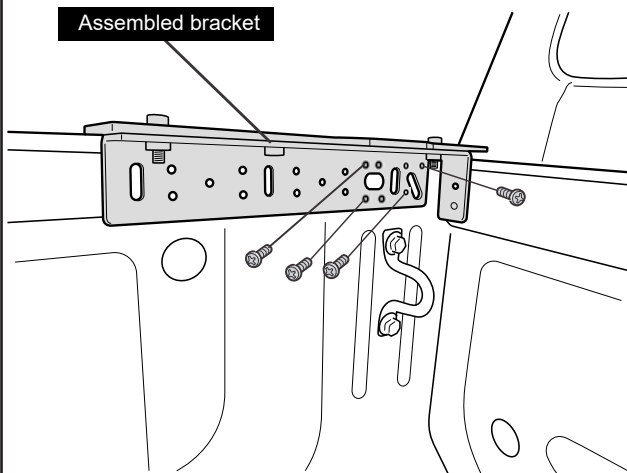
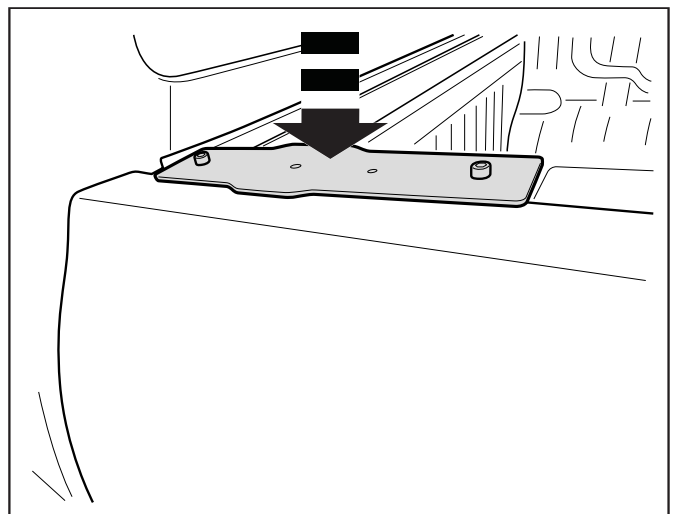


Position bracket LR-SF-004 so that its holes are aligned with the indicated threads of bracket LR-SF-009LH.

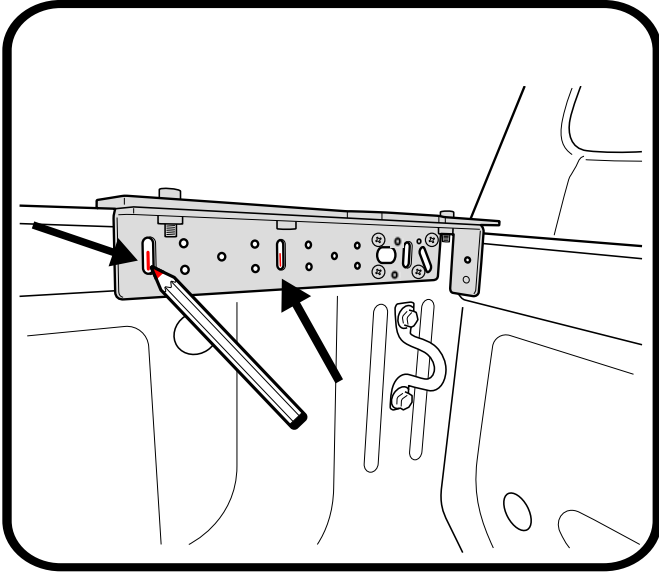
Using the supplied M6x20mm socket head bolt, securely attach bracket LR-SF-004 to bracket LR-SF-009LH.



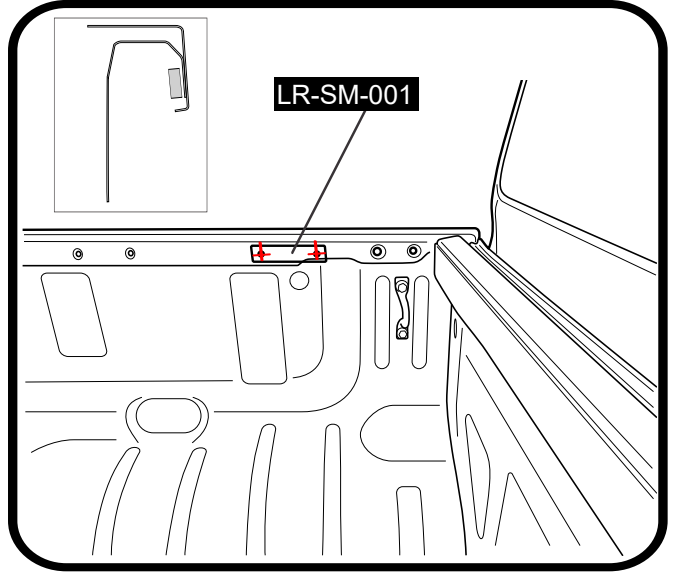
Position the LR-SF-004 & LR-SF-009LH bracket assembly on both the headboard and the top of the side panel of the tub. Apply firm downward pressure on the bracket and secure it by using the provided self-drilling screw at the preferred locations indicated. If there is intrusion chose any of the other holes to drill through into the ute tub inner bed rail.



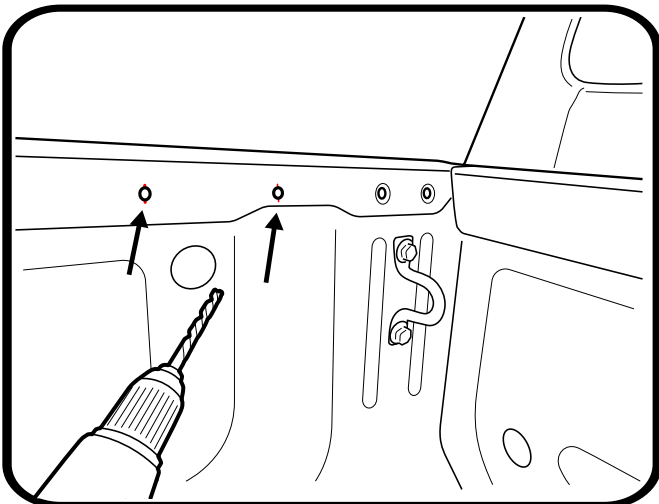
1. Mark the tubs inner lip through the indicated elongated holes.
2. Now remove the bracket assembly by unfastening all self drilling screws.



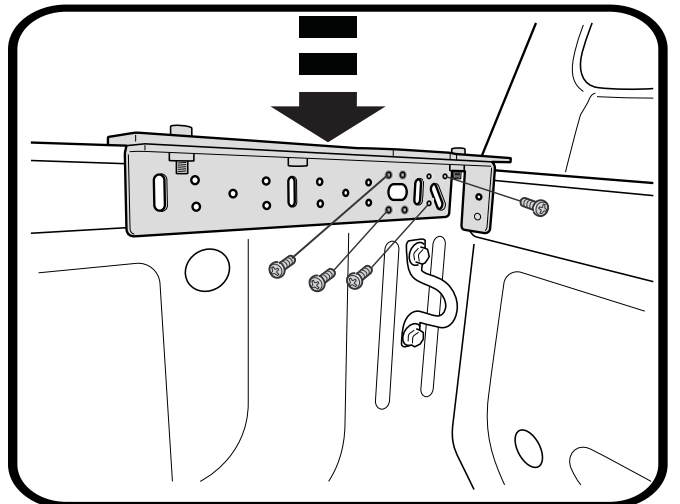
Align the threads of the LR-SM-001 channel nut with the inside lip of the top rail of the ute tub, and push it upwards as far as possible until it reaches the structural fold. Then, use the threads on the channel nut as a reference to identify and mark the drilling points.



At the marked points, use an 8mm drill bit to bore through the top inner rail of the tub.

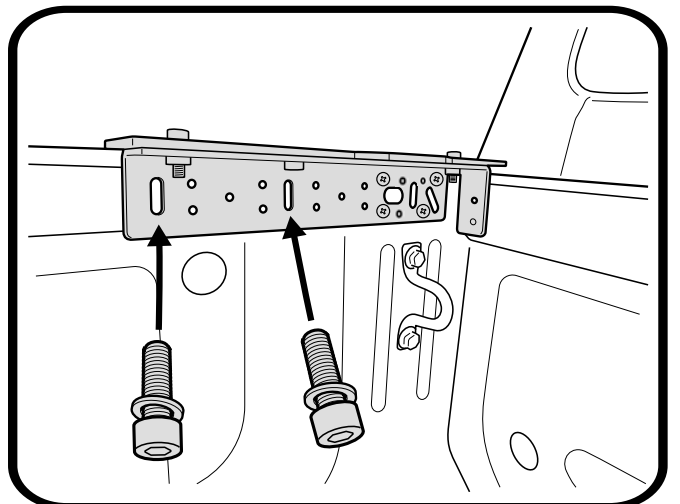
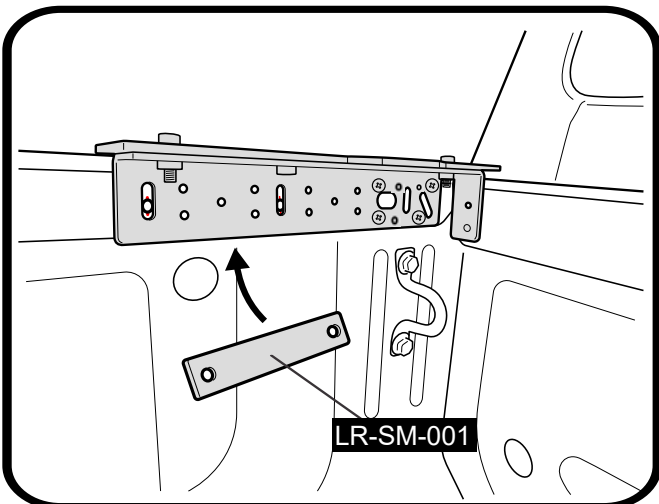


Align the LR-SF-004 & LR-SF-009LH bracket assembly with the holes previously drilled by the self-drilling screws. Apply firm downward pressure to firmly secure the bracket, and then fasten it in place using the provided self-drilling screws.

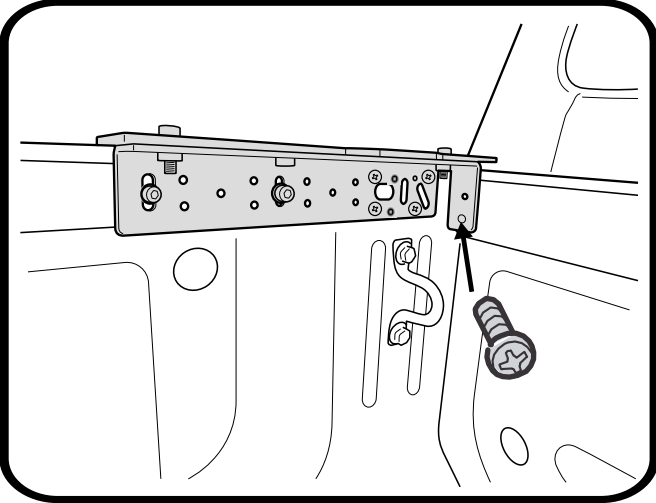


Position the LR-SM-001 channel nut onto the inner lip of the top rail of the tub, then align its threads with the holes that were previously drilled.

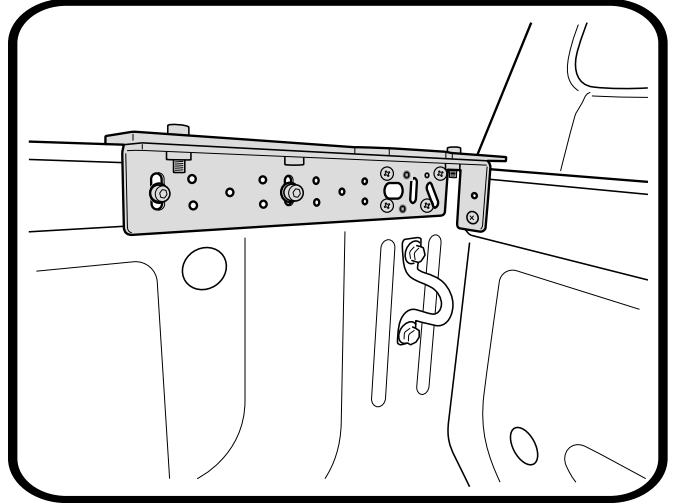
Fasten into position using M6x20mm socket head bolt followed by M6 spring washer.



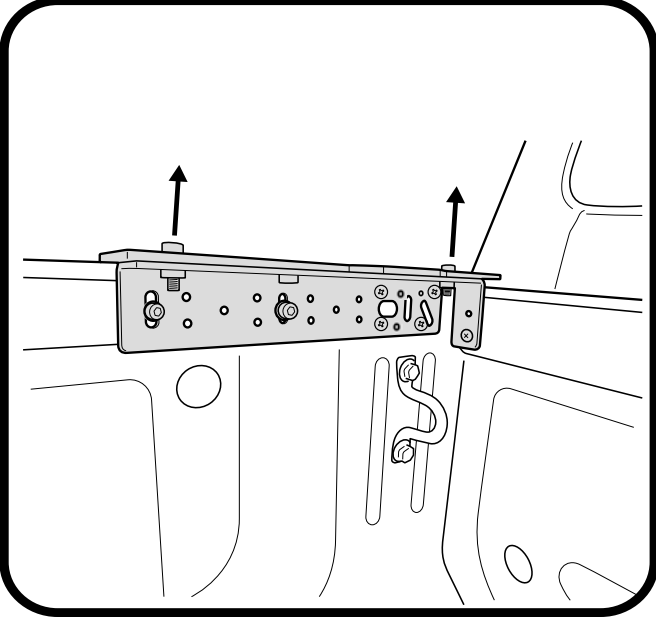
Fasten bracket LR-SF-009LH front indicated lip to the head board using supplied self drilling screw.



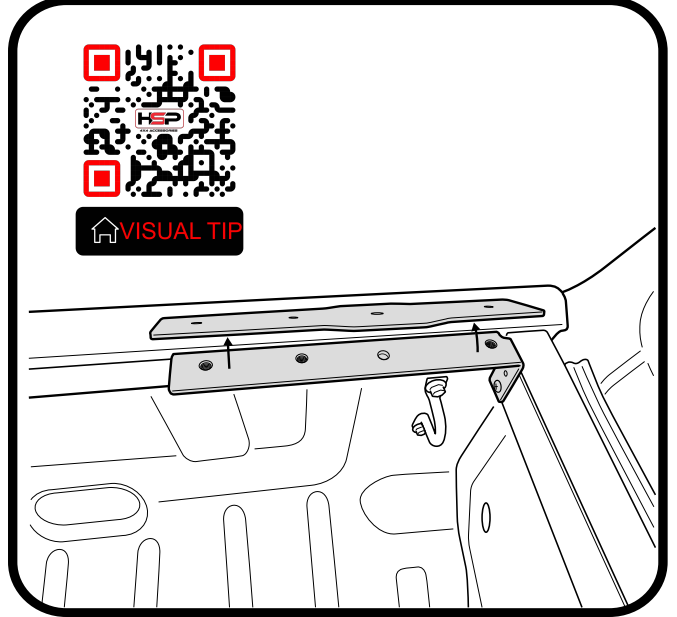
Completed view.



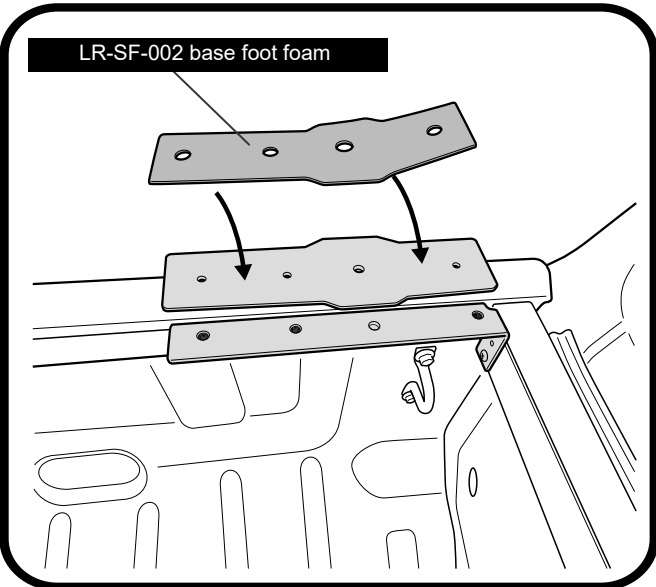
Now remove indicated bolts.



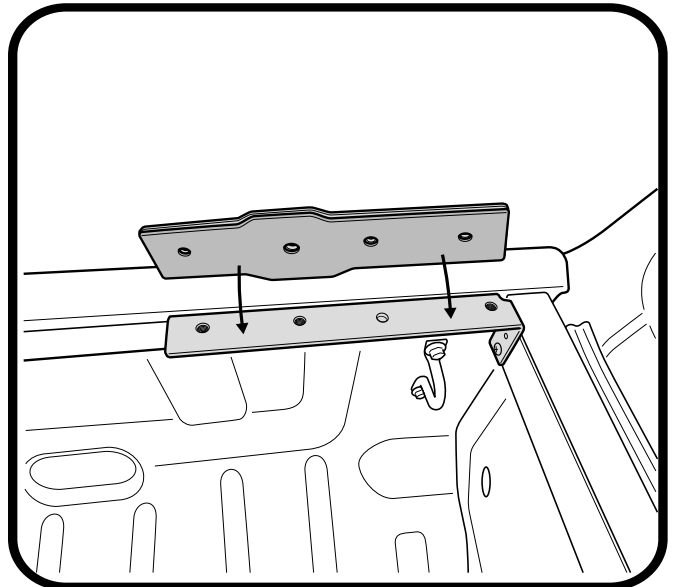
Flip bracket LR-SF-004 over.



Apply foam pad to bracket LR-SF-004.



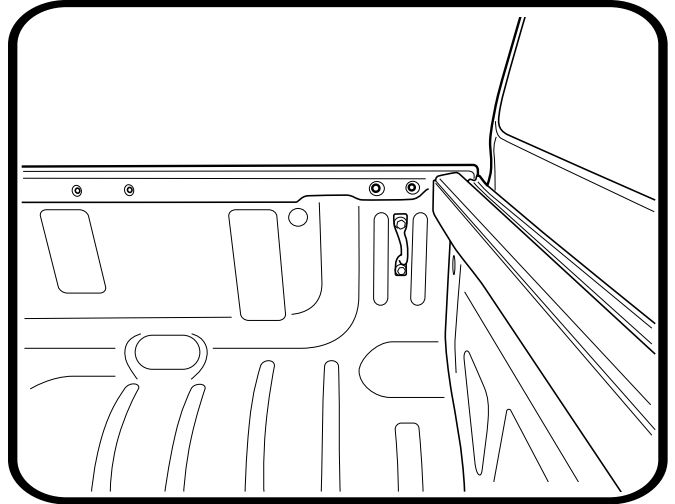
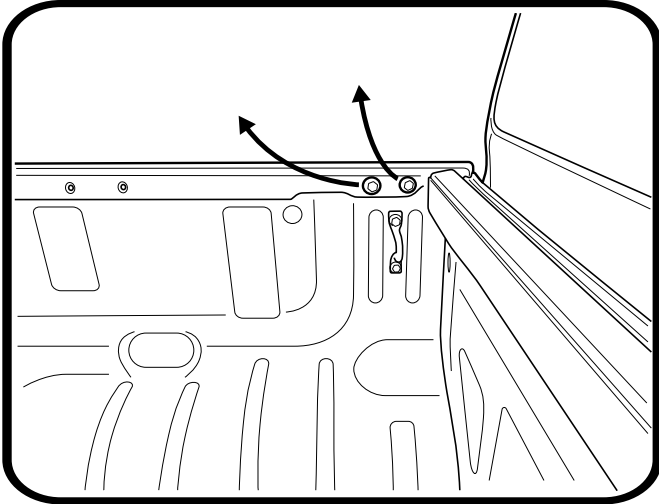
Flip bracket LR-SF-004 back over.



⚠ Please proceed to page 9 of 21. ⚠

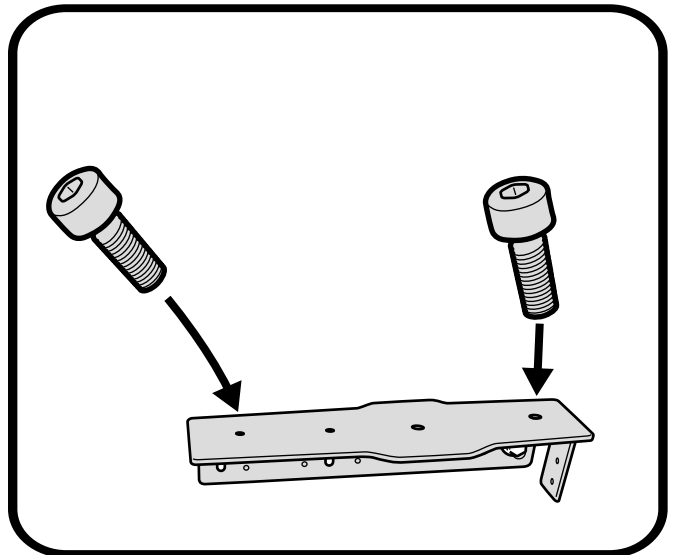
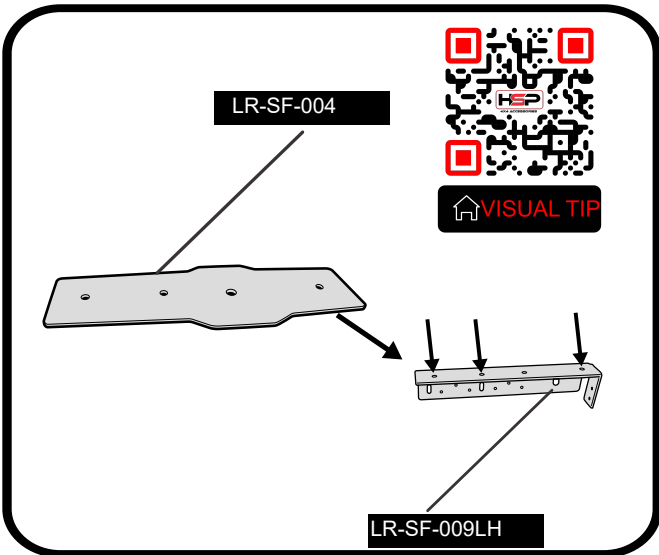
Tub preparation

Remove indicated bolts or in-case of Nissan there will be only one bolt and discard.

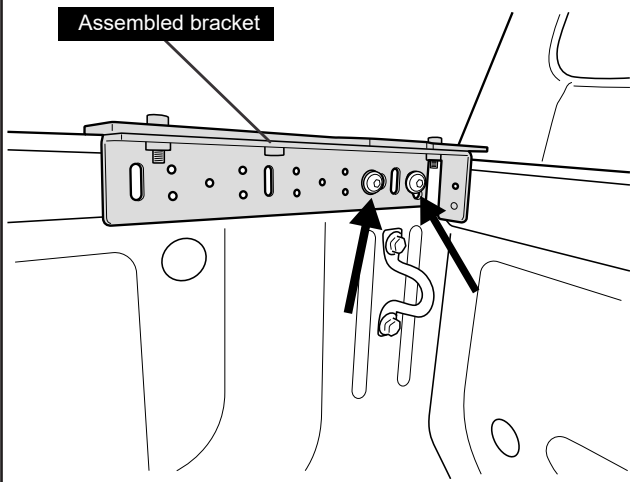
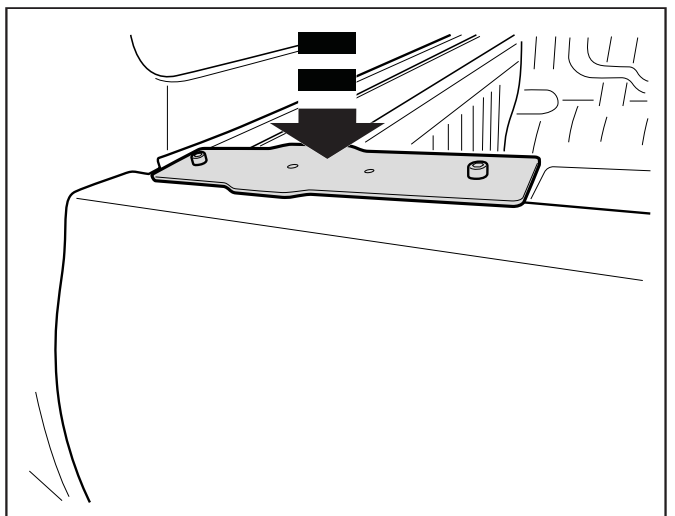


Position bracket LR-SF-004 so that its holes are aligned with the indicated threads of bracket LR-SF-009LH.

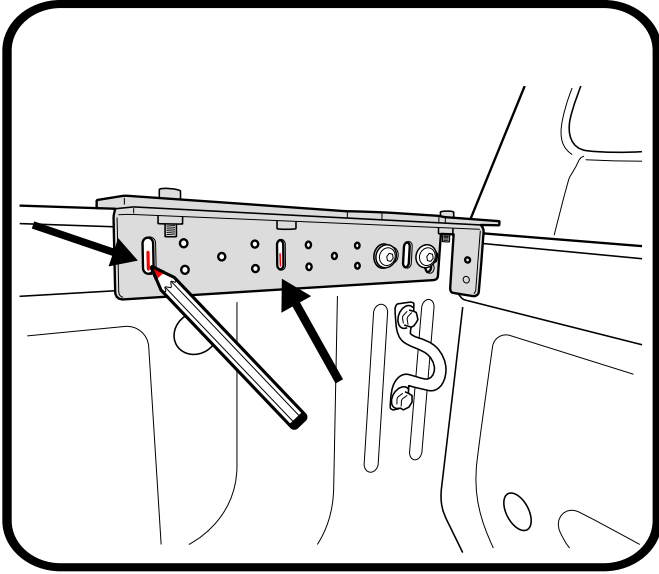
Using the supplied M6x20mm socket head bolt, securely attach bracket LR-SF-004 to bracket LR-SF-009LH.



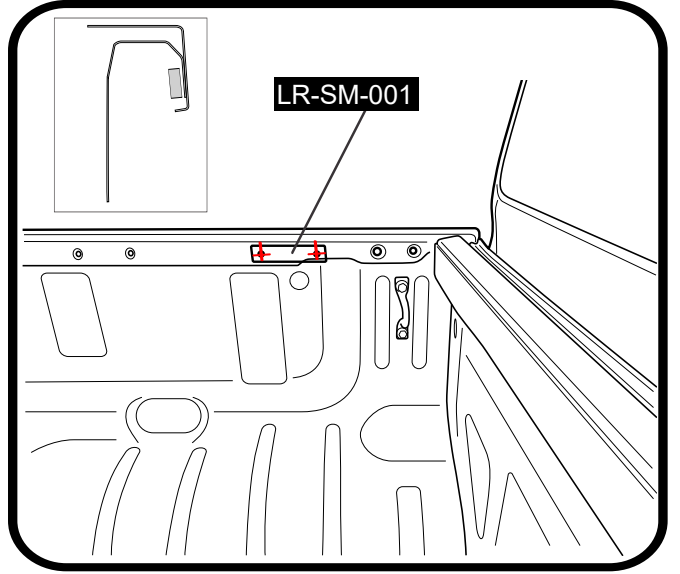
Place assembled bracket LR-SF-004 & LR-SF-009LH to the top of the headboard and the top of the side panel of the tub. Making sure the elongated holes to the front of the bracket line up with the thread of the tub.
Push down firmly on the assembled bracket and fasten using provided M8x30mm Allen head bolt.



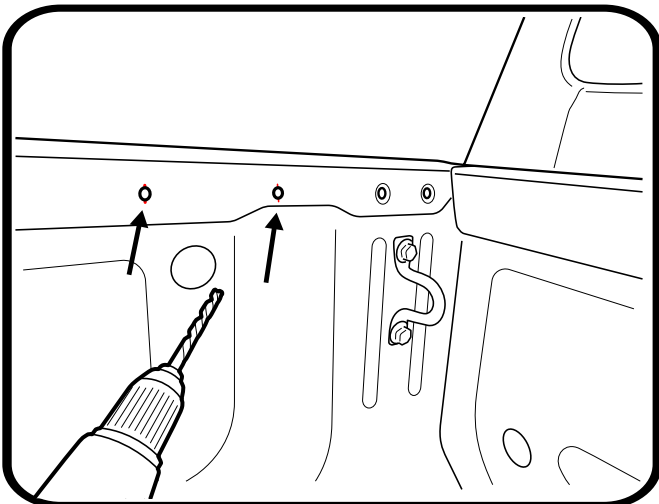
1. Mark the tubs inner lip through the indicated elongated holes.
2. Now remove the bracket assembly by unfastening the M8 bolts.



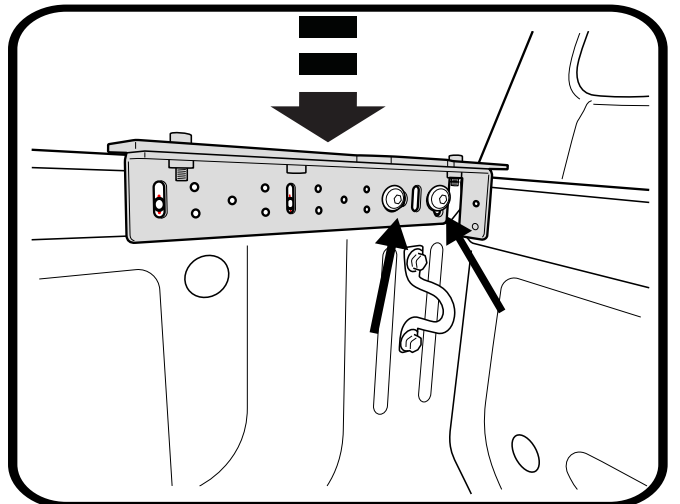
Align the threads of the LR-SM-001 channel nut with the inside lip of the top rail of the ute tub, and push it upwards as far as possible until it reaches the structural fold. Then, use the threads on the channel nut as a reference to identify and mark the drilling points.



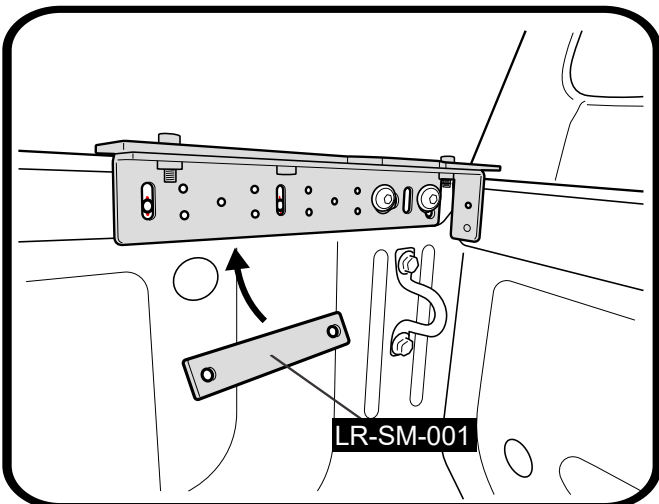
At the marked points, use an 8mm drill bit to bore through the top inner rail of the tub.



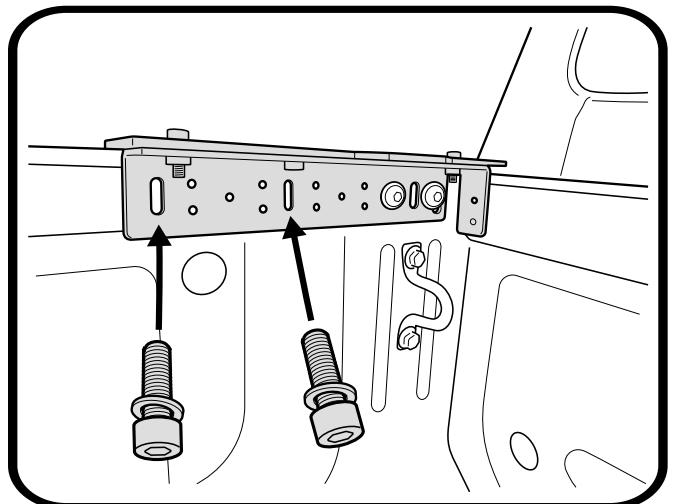
Realign the elongated holes at the front of the LR-SF-004 & LR-SF-009LH bracket assembly with the thread of the tub. Apply firm downward pressure to secure the bracket, then fasten it in place using the provided M8x30mm Allen head bolt, followed by the M8 spring washer and M8 flat washer.



Position the LR-SM-001 channel nut onto the inner lip of the top rail of the tub, then align its threads with the holes that were previously drilled.

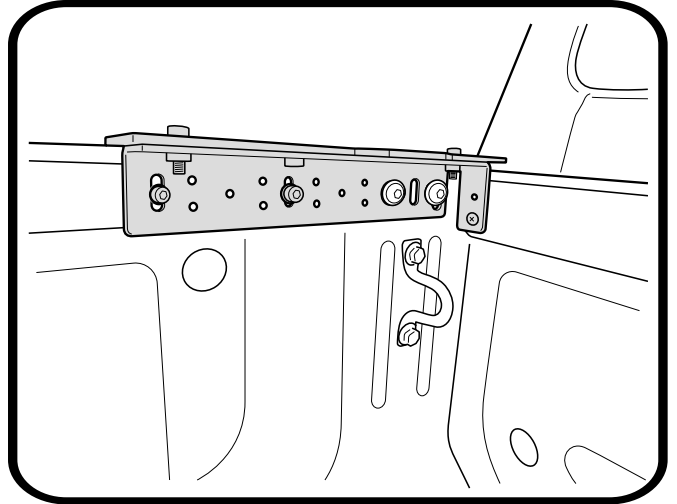
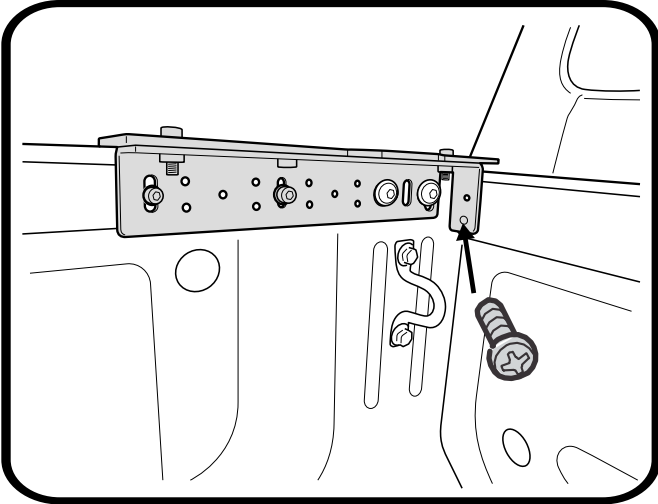


Fasten into position using M6x20mm socket head bolt followed by M6 spring washer.



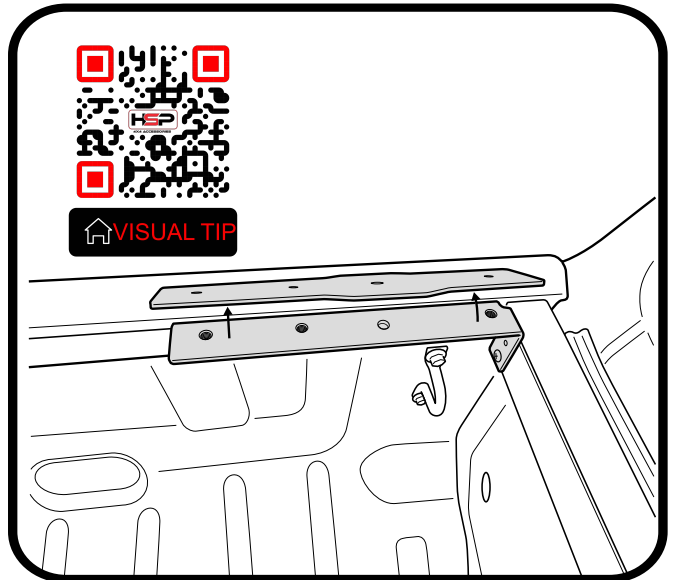
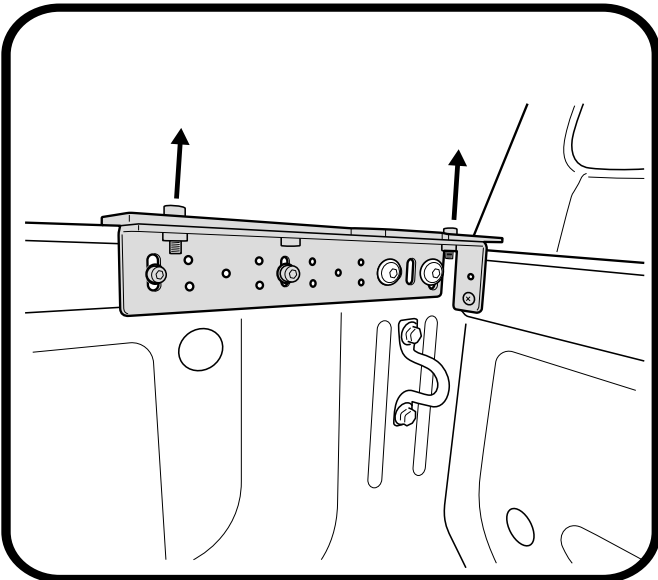
Fasten bracket LR-SF-009LH front indicated lip to the head board using supplied self drilling screw.

Completed view.



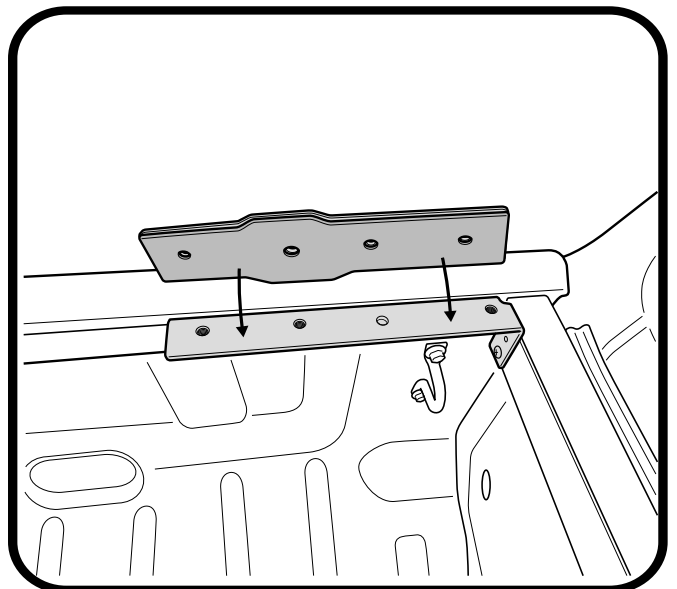
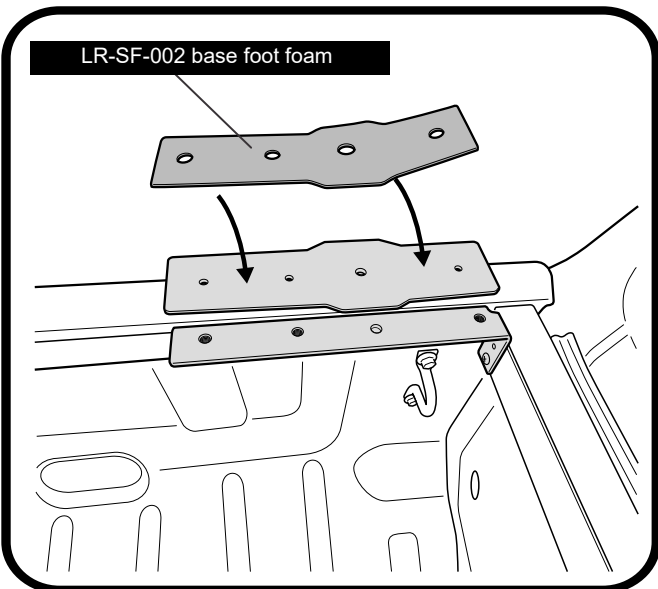
Now remove indicated bolts.

Flip bracket LR-SF-004 over.

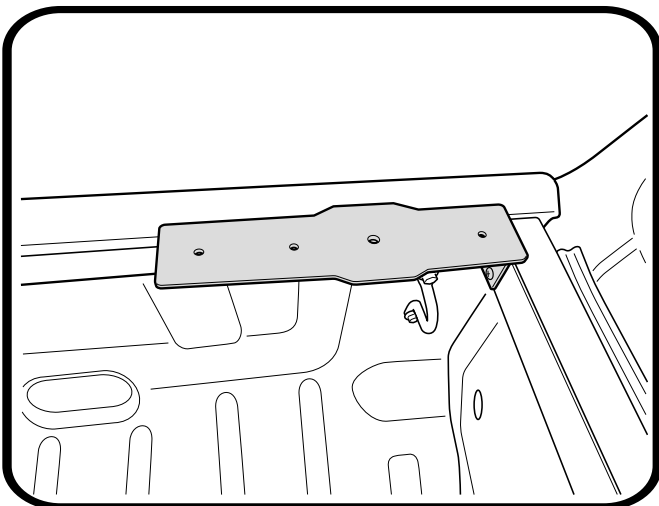


Apply foam pad to bracket LR-SF-004.

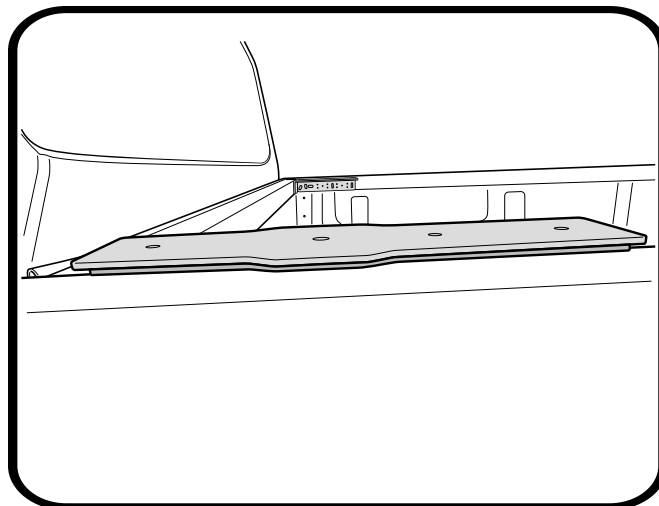
Flip bracket LR-SF-004 back over.



Line up bracket LR-SF-004 holes with the threads of bracket LR-SF-009LH.



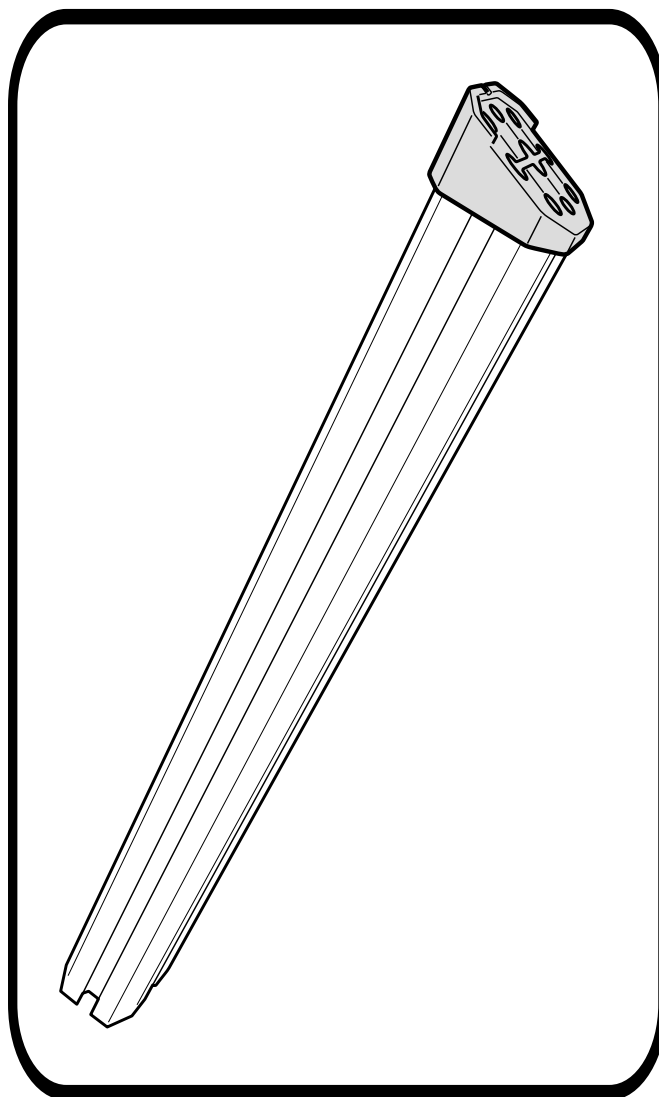
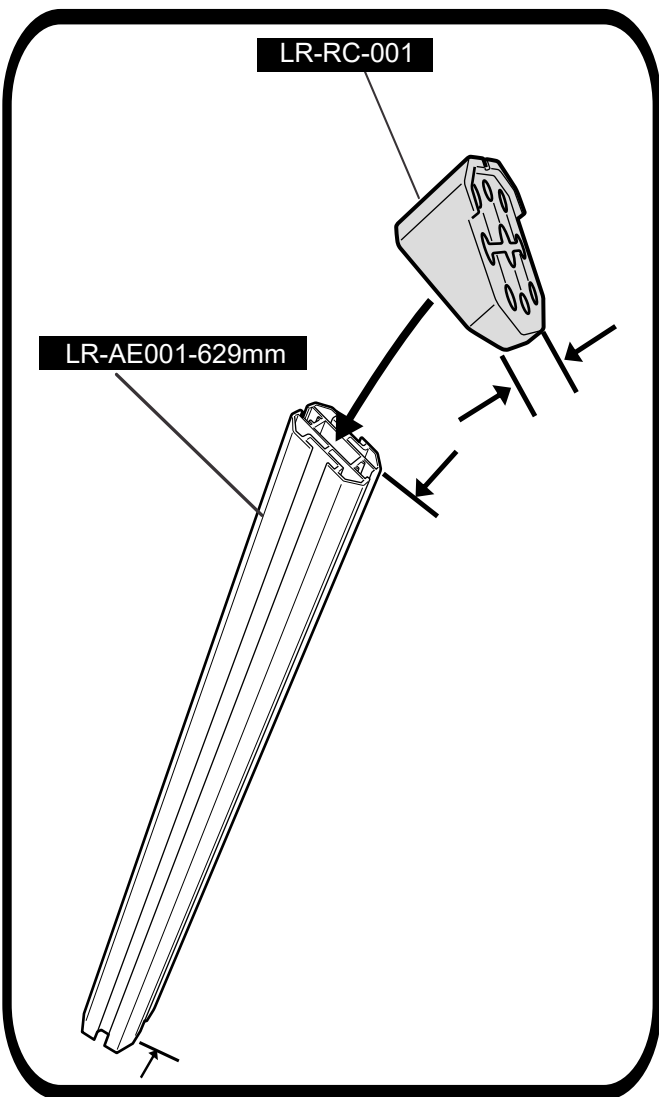
Completed view.
Now repeat all steps above to the other side.



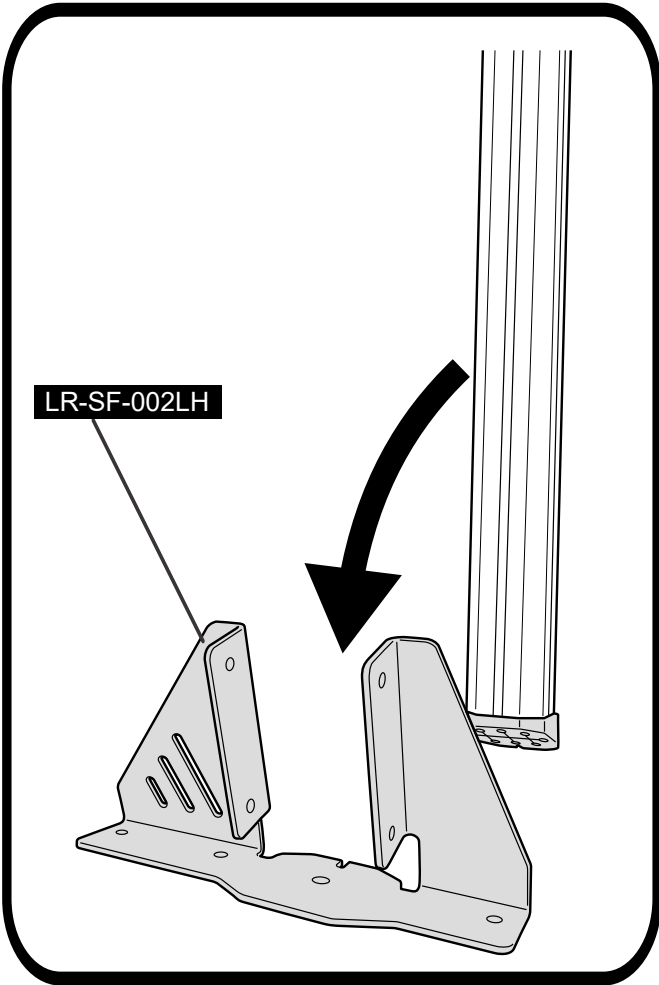
Ladder rack preparation.

The LR-AE001-629mm extrusion features a straight cut on one end and a 20 degree cut on the other end. To assemble, place the LR-RC-001 over the end of the extrusion with the 20 degree cut, following the specified orientation.

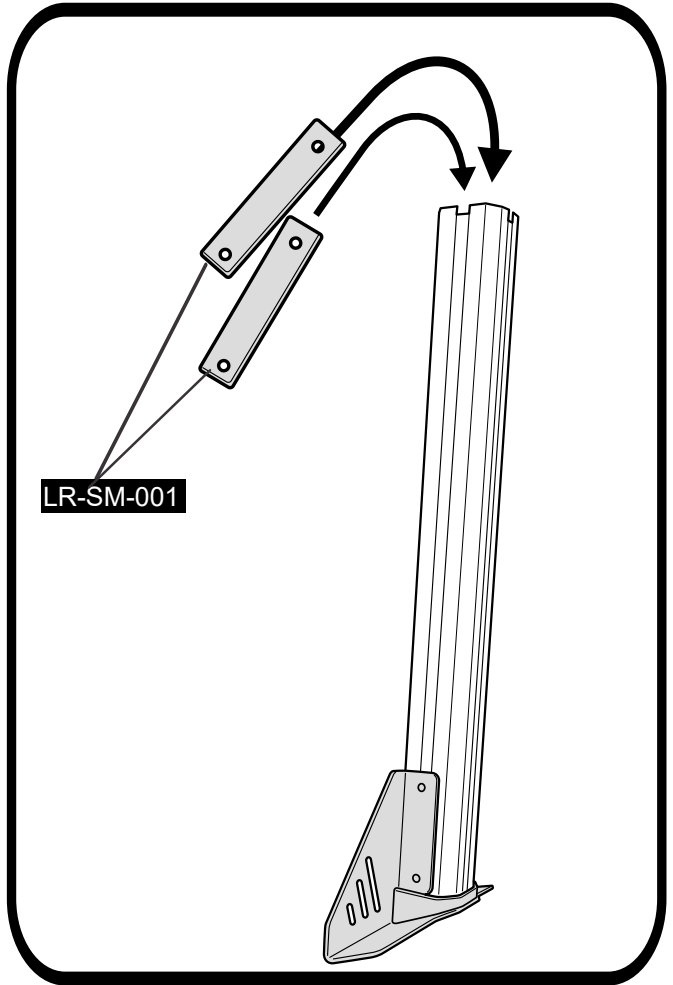
Assembled view.



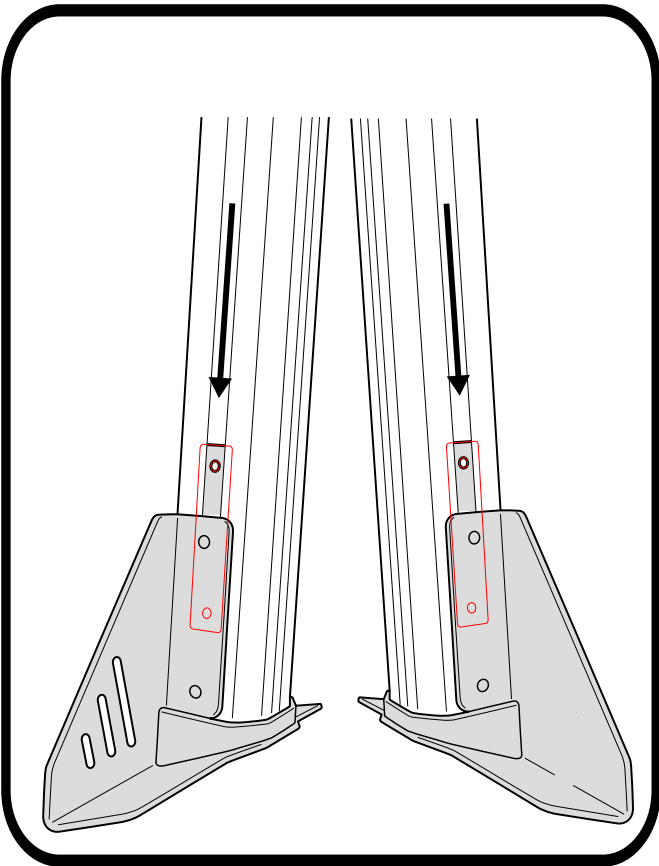
Position the previously assembled extrusion and align it with the specified orientation onto bracket LR-SF-002LH.



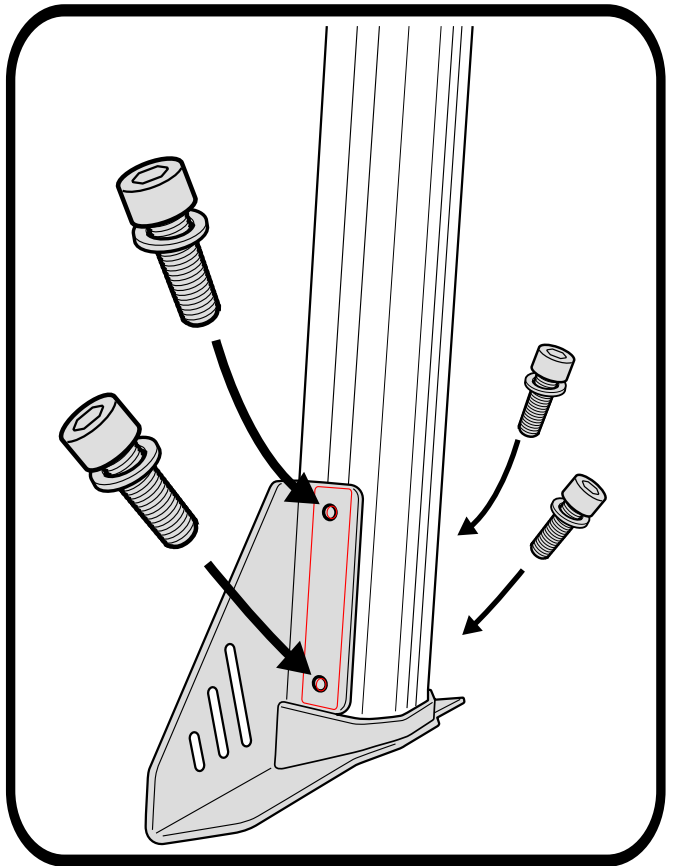
Slide channel nut LR-SM-001 into the indicated channels of the extrusion.



Adjust the thread of the channel nuts to align with the pre-drilled holes in the brackets.

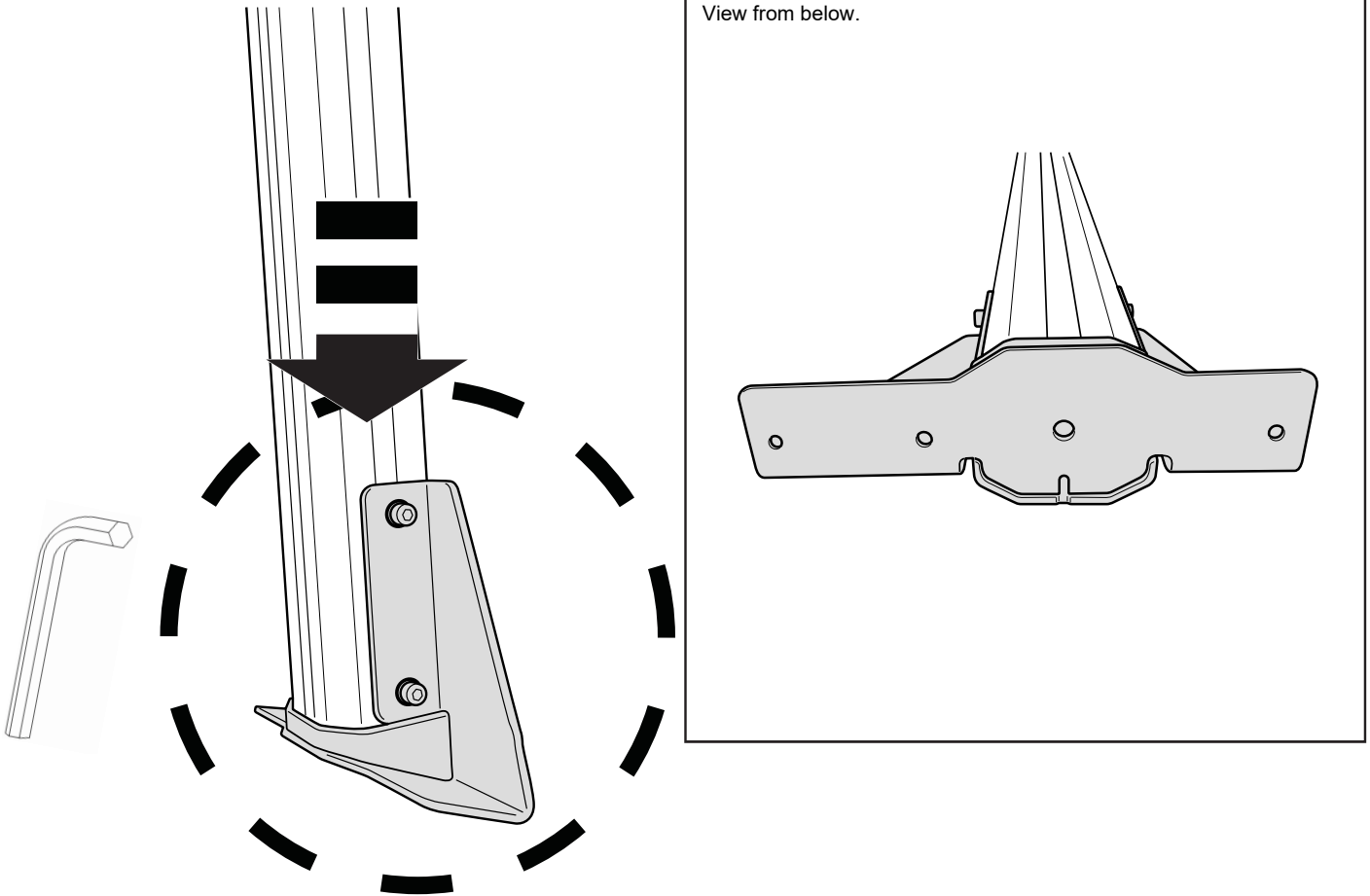


Loosely secure into position using the provided M6x16mm socket head bolt and M6 spring washer.

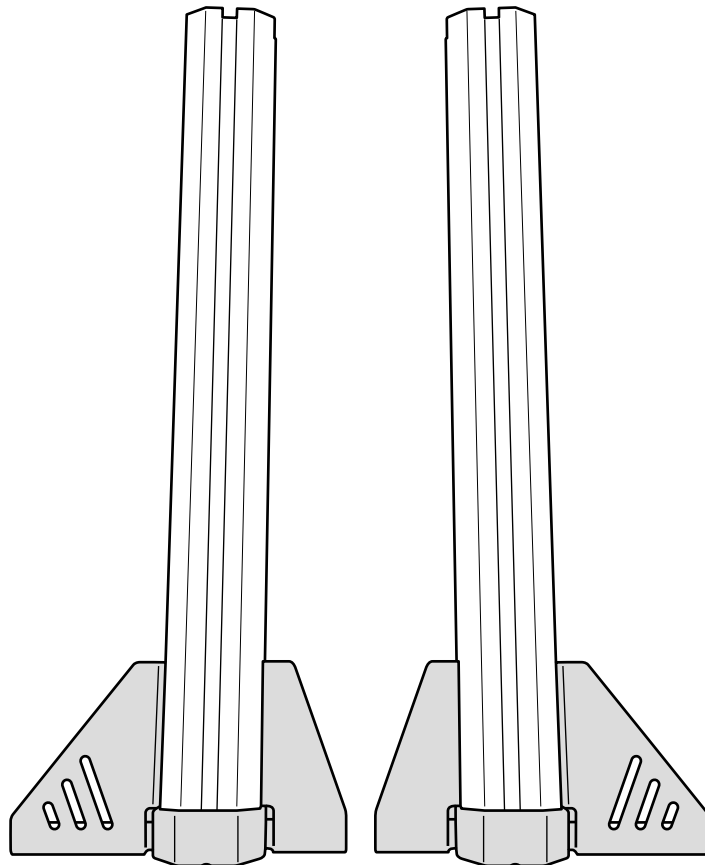


Press the extrusion firmly against the bracket and securely fasten all M6 socket head bolts.

View from below.

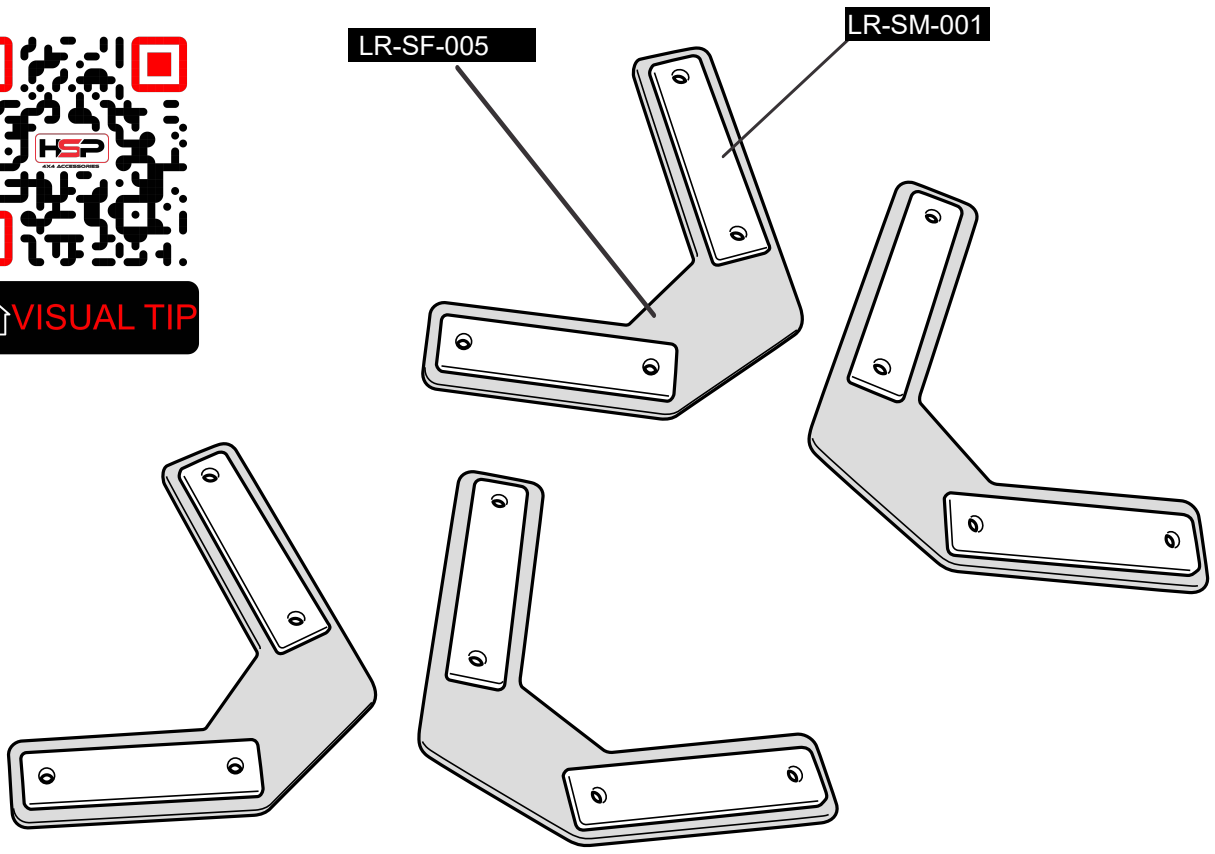
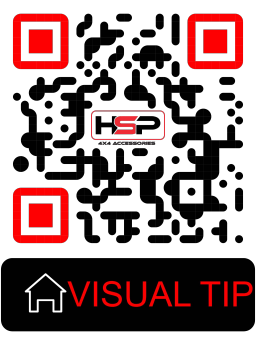


Follow the steps mentioned above to assemble the other ladder rack leg. It's important to note that the base bracket of the second leg must face in the opposite direction compared to the first assembled ladder rack leg.

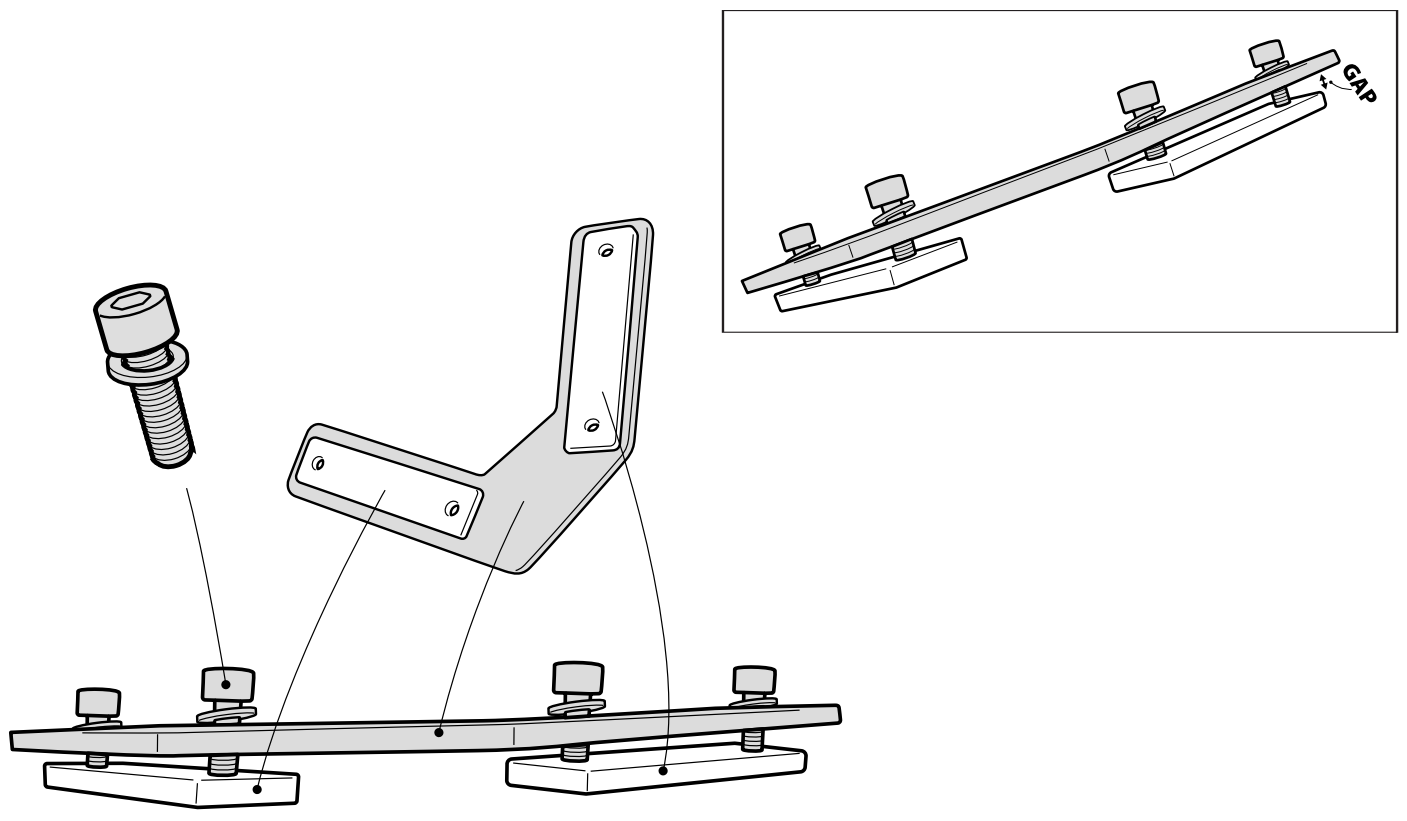


Ladder rack cross bar assembly.

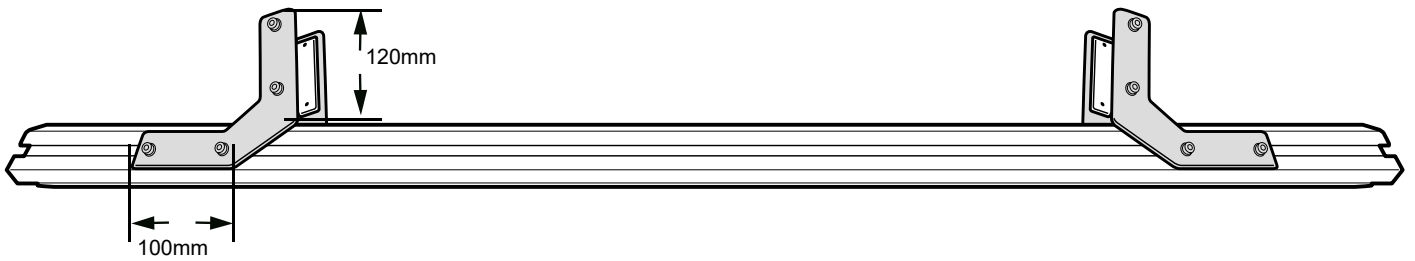
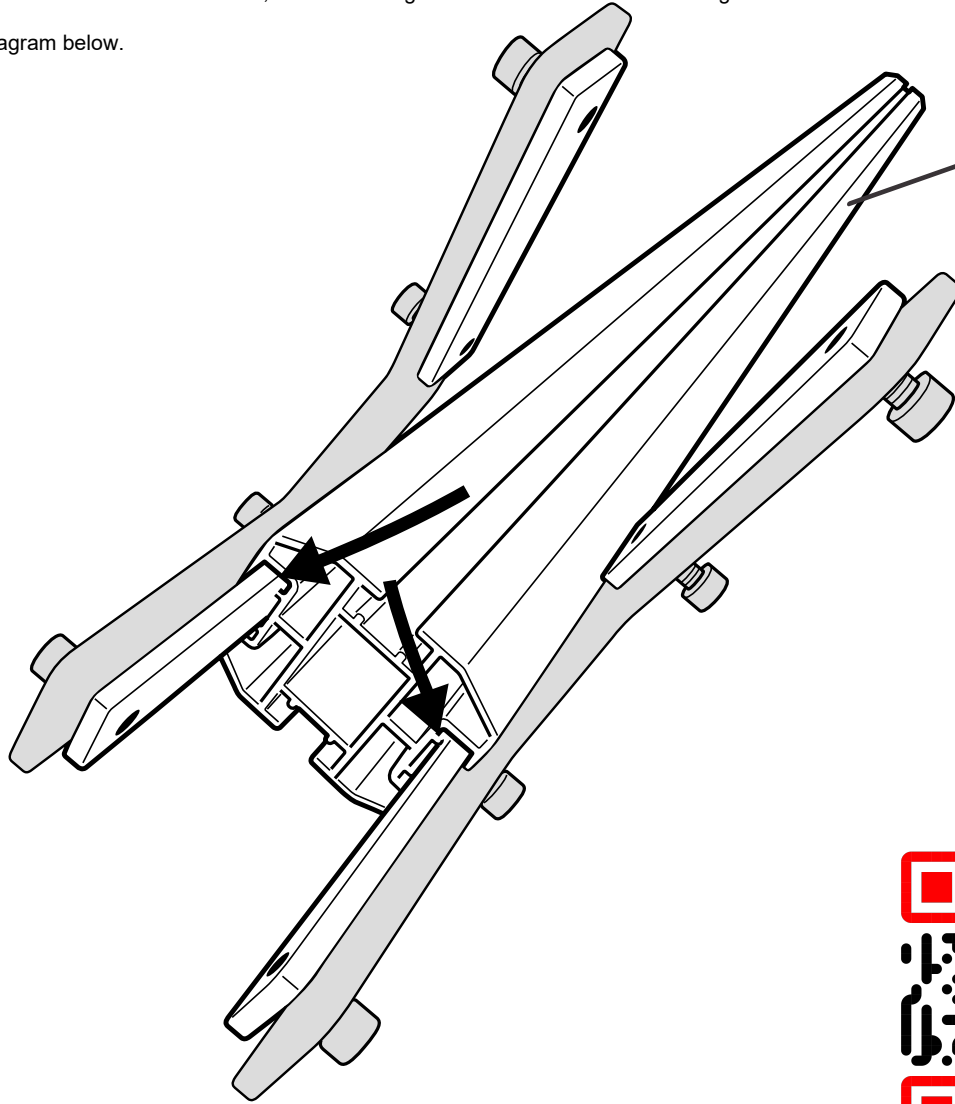
To assemble the cross brace bracket LR-SF-005, you will need to assemble two left-hand and two right-hand versions, along with channel nut LR-SM-001. Arrange both components according to the orientation indicated below.



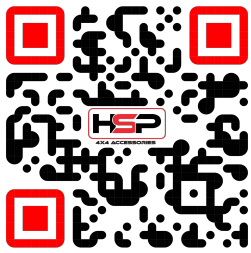
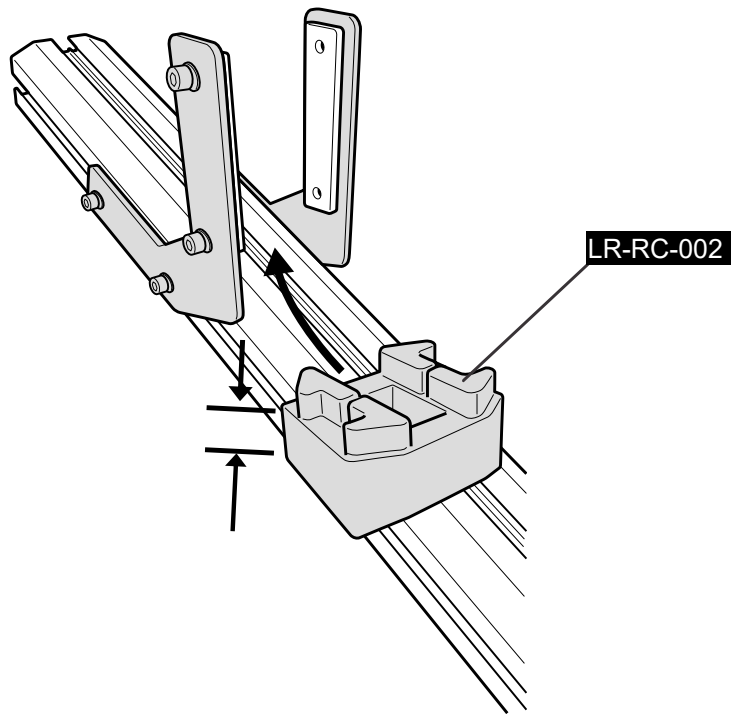
Use the provided M6x16mm socket head bolt and M6 spring washer to loosely secure into position. Repeat the process for the remaining three brackets, keeping them in the same orientation as the previous step.



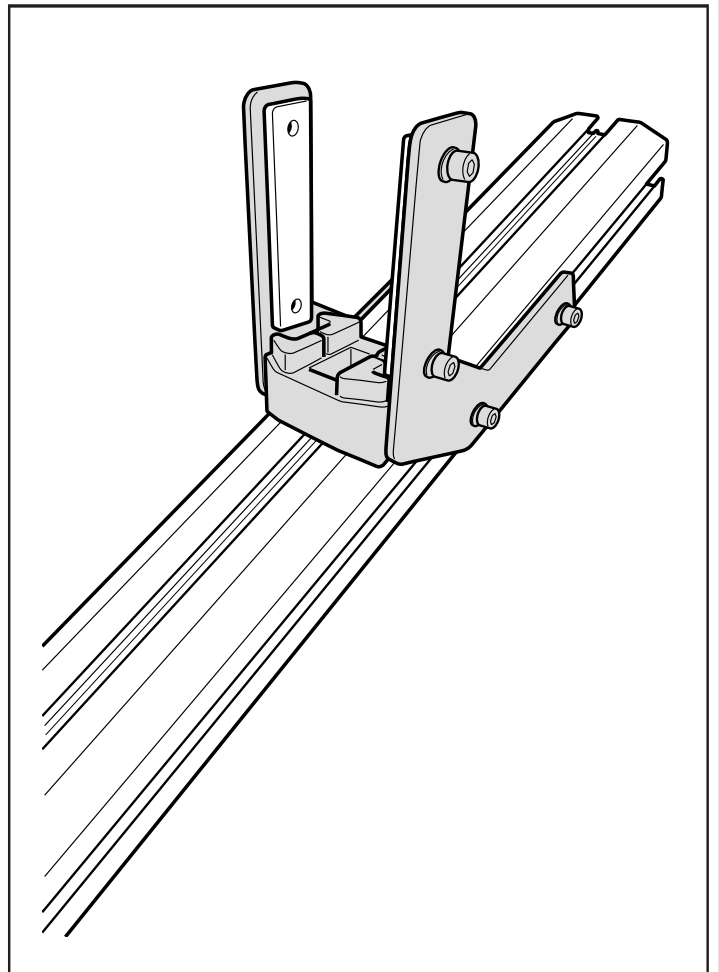
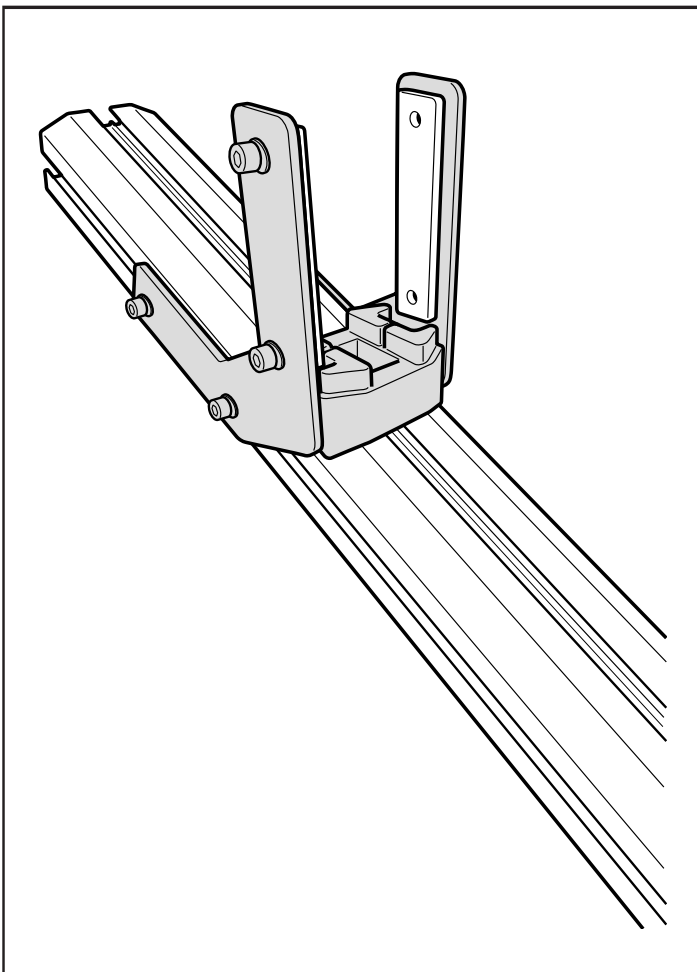
Insert the channel nut of the assembled cross brace brackets into the channels of the designated cross bars.
Note: The brace bracket has two faces, one measuring 100mm and the other measuring 120mm. Insert the face measuring 100mm into the indicated channels.
Refer to diagram below.



Position LR-RC-002 between the brace brackets, following the indicated orientation. Note that the thinner side of LR-RC-002 should face the end of the extrusion.



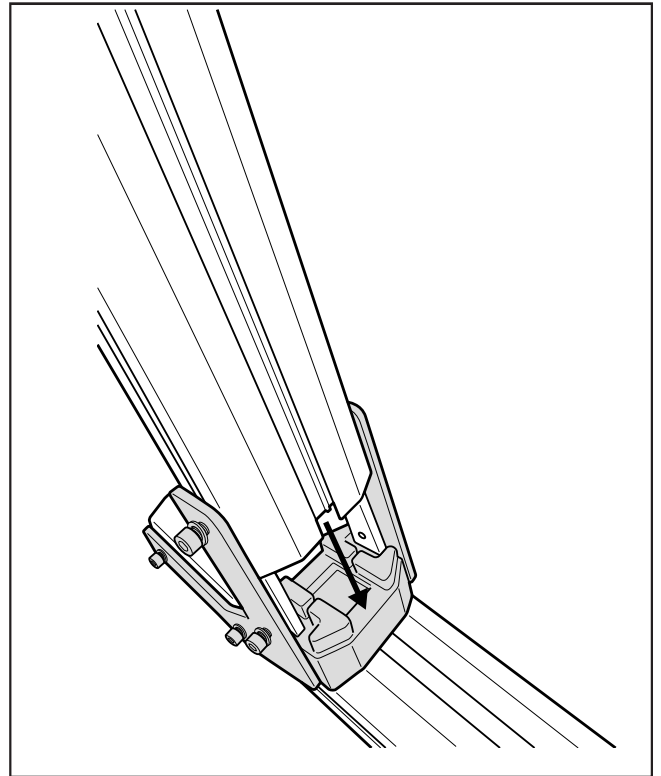
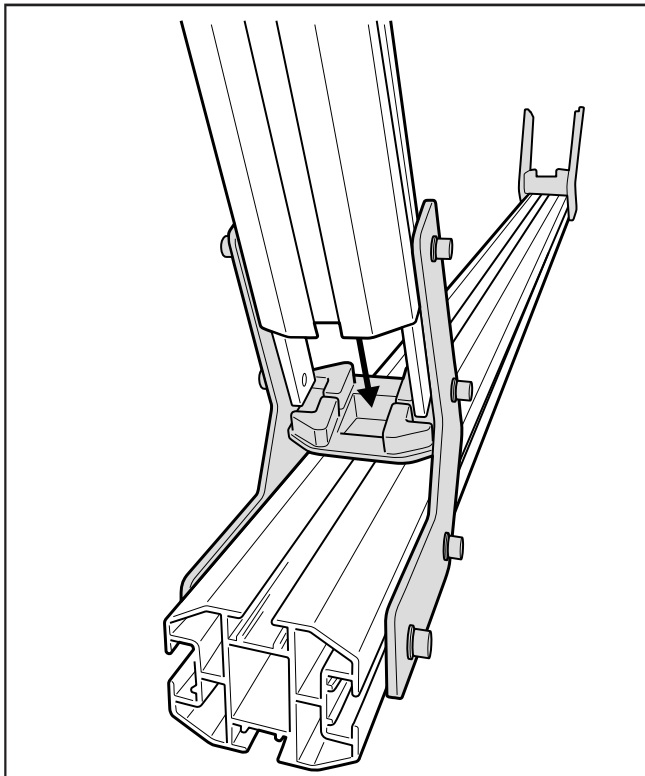
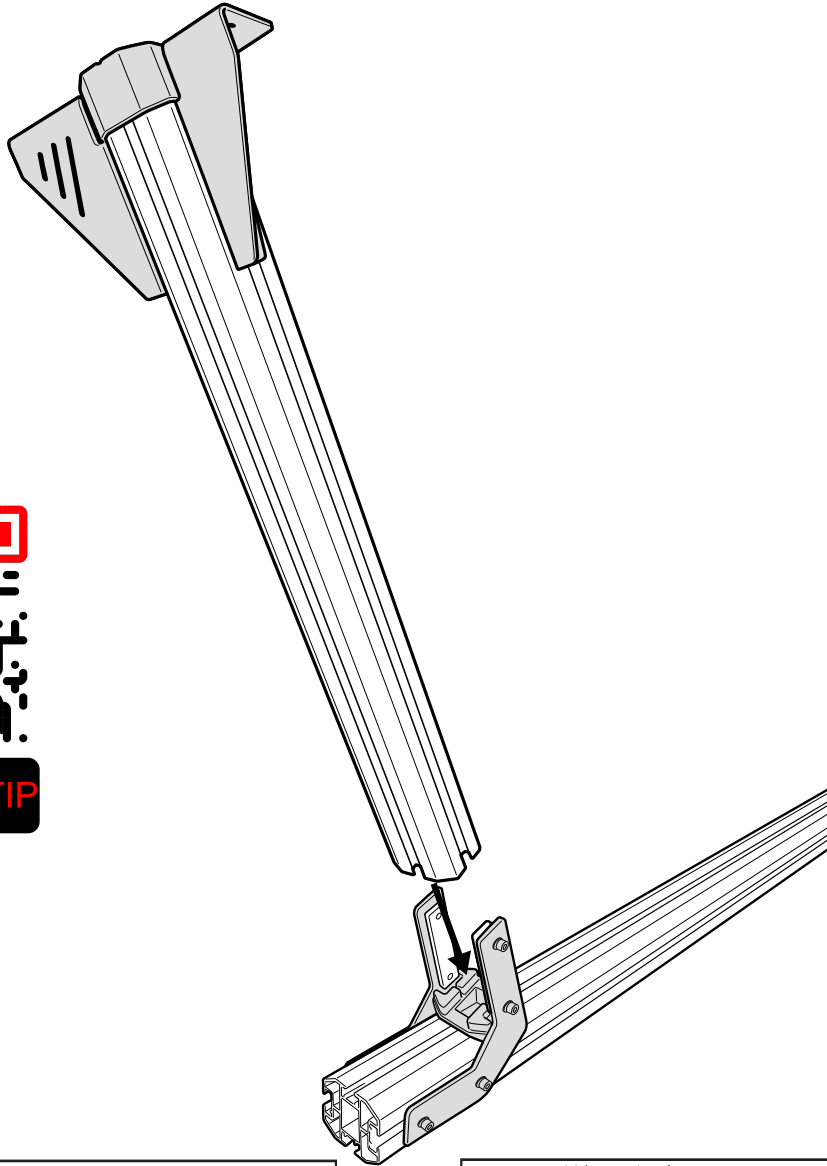
 VISUAL TIP



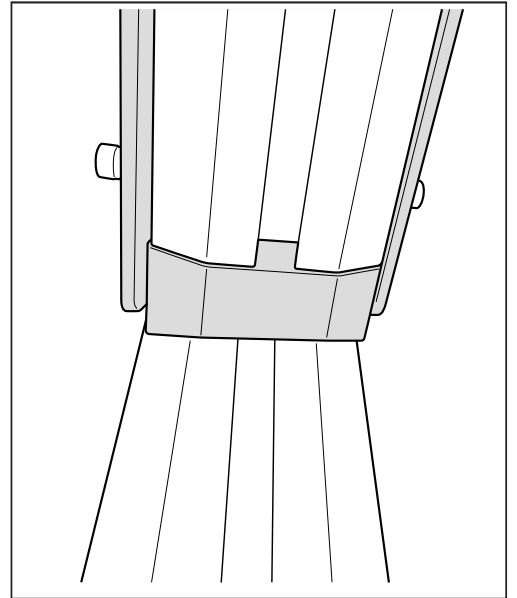
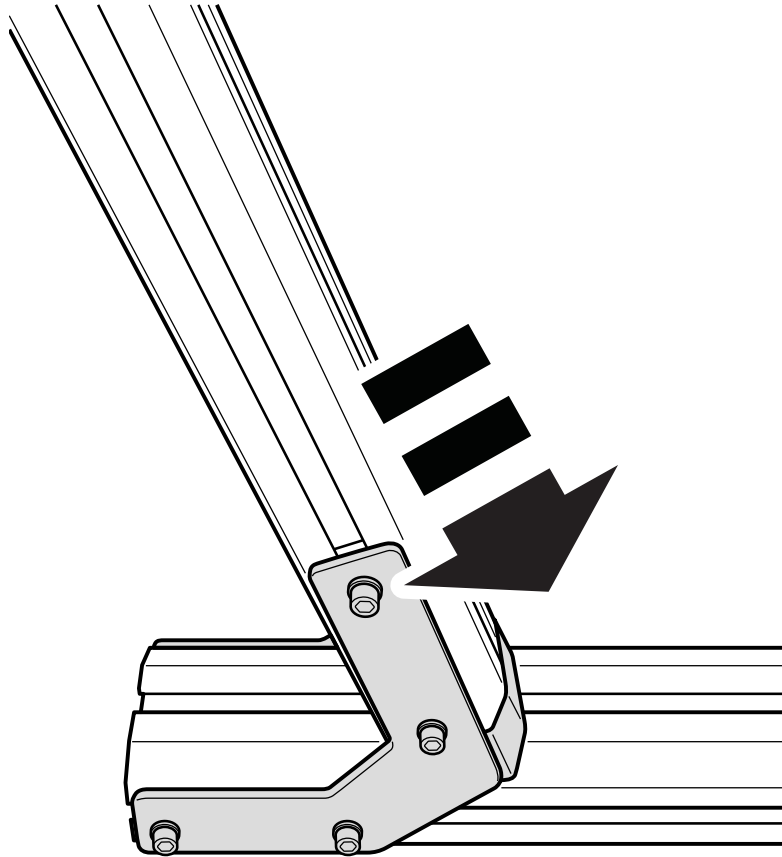
Insert the assembled cross bar legs into the channel nuts of the brace brackets, following the indicated orientation.



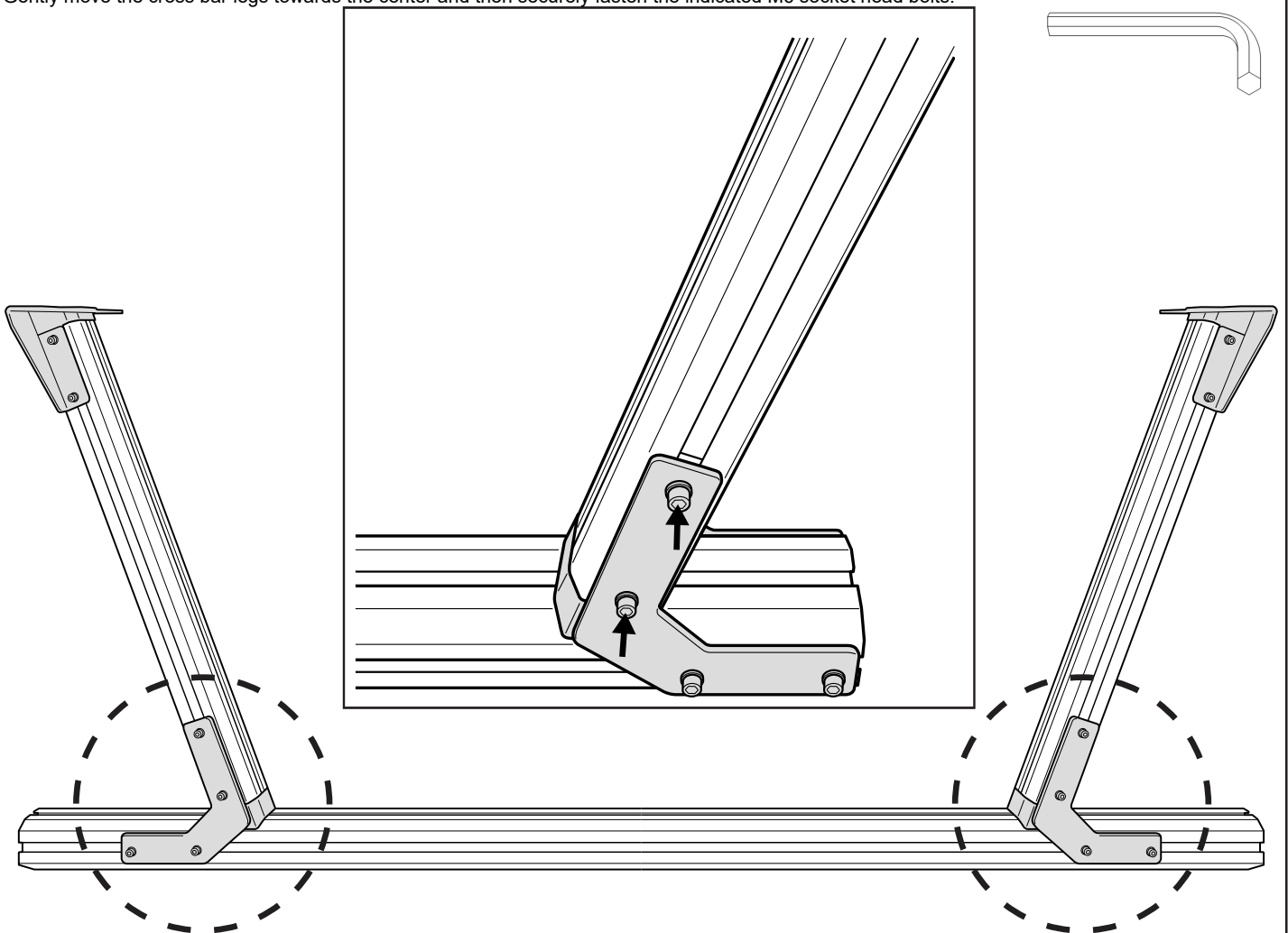
 **VISUAL TIP**



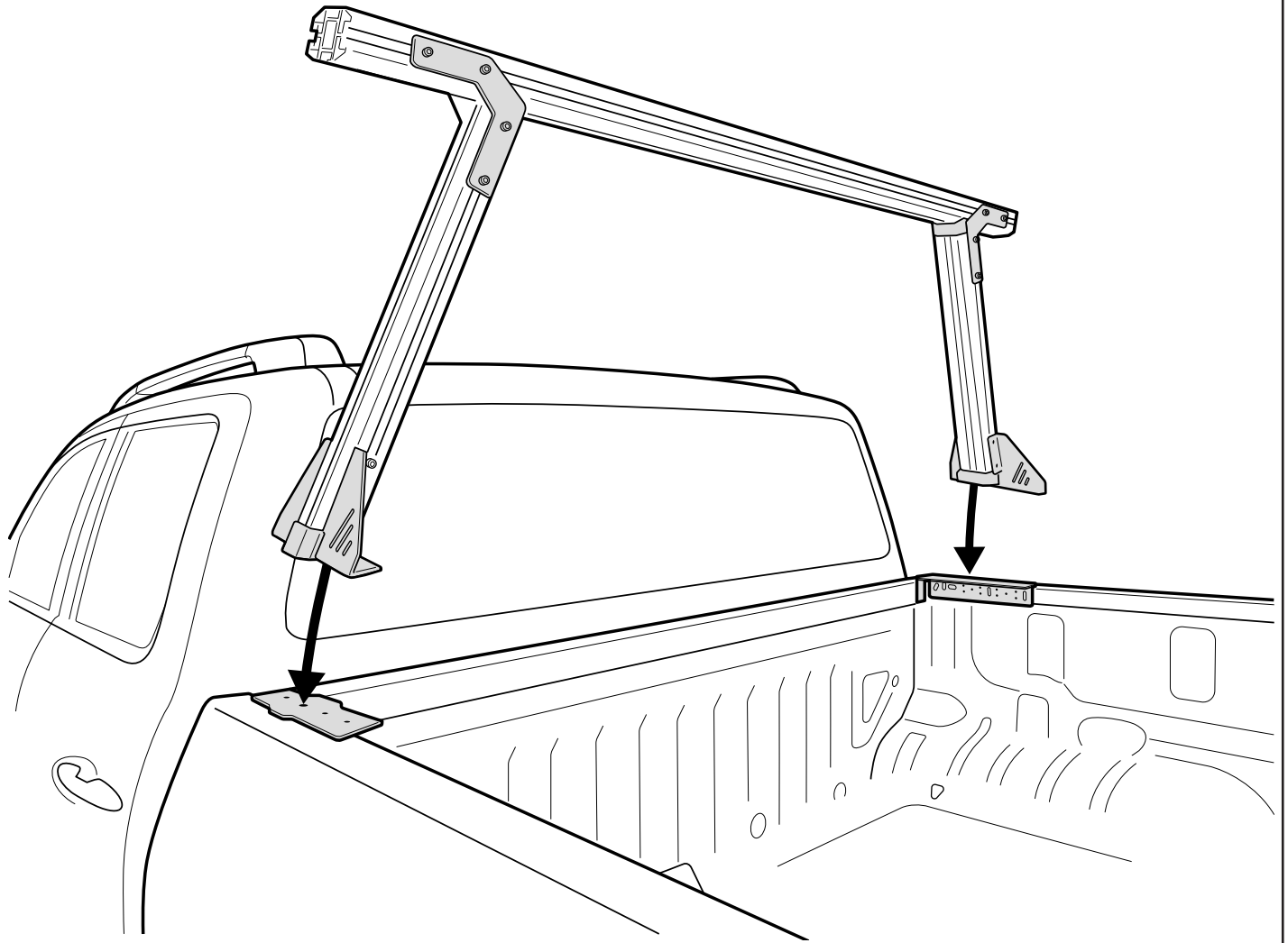
Apply firm pressure to the cross bar leg to ensure it is correctly seated and compresses LR-RC-002 against the crossbar.



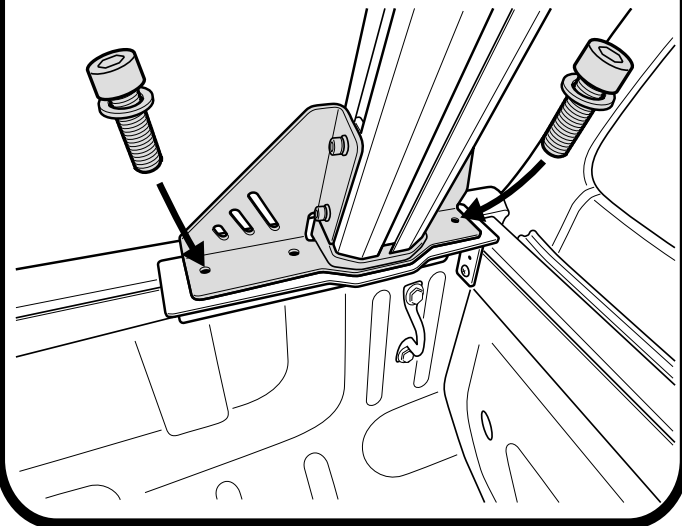
Gently move the cross bar legs towards the center and then securely fasten the indicated M6 socket head bolts.



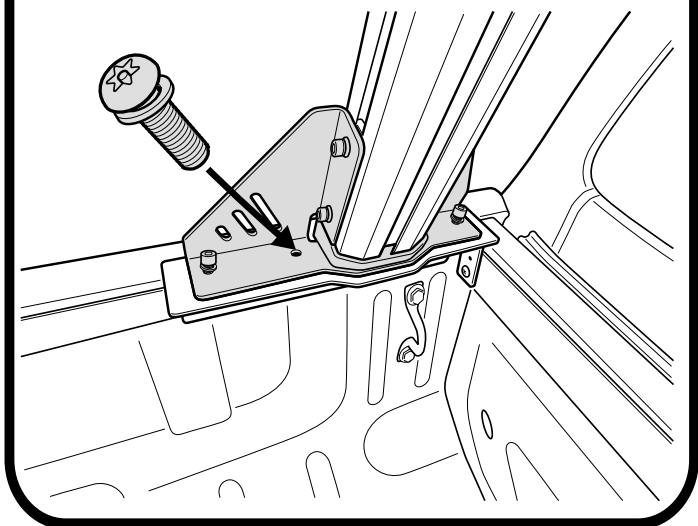
Position the assembled ladder rack onto the base brackets that were previously installed to the ute tub. It's important to note that the cross bar legs should be able to move in and out to accommodate the correct alignment to the base bracket.



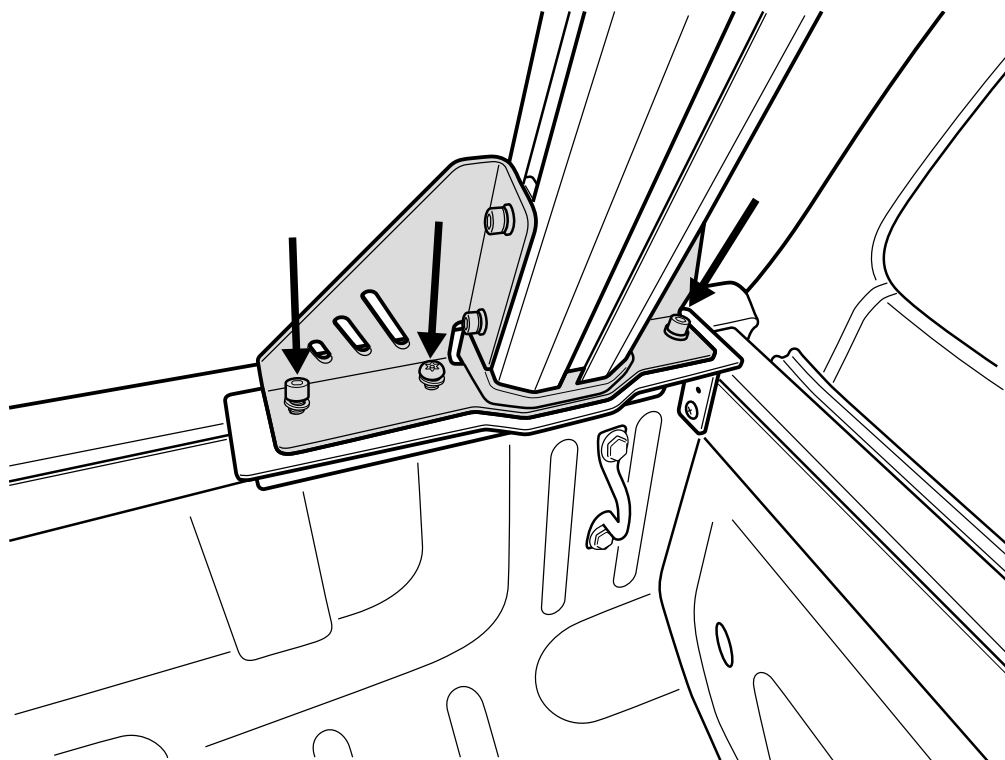
Loosely secure to the indicated locations using M6x20mm socket head bolts and M6 spring washer. Repeat to the other side.



Loosely secure to the indicated location using M6x20mm security head bolt and M6 spring washer. Repeat to the other side.



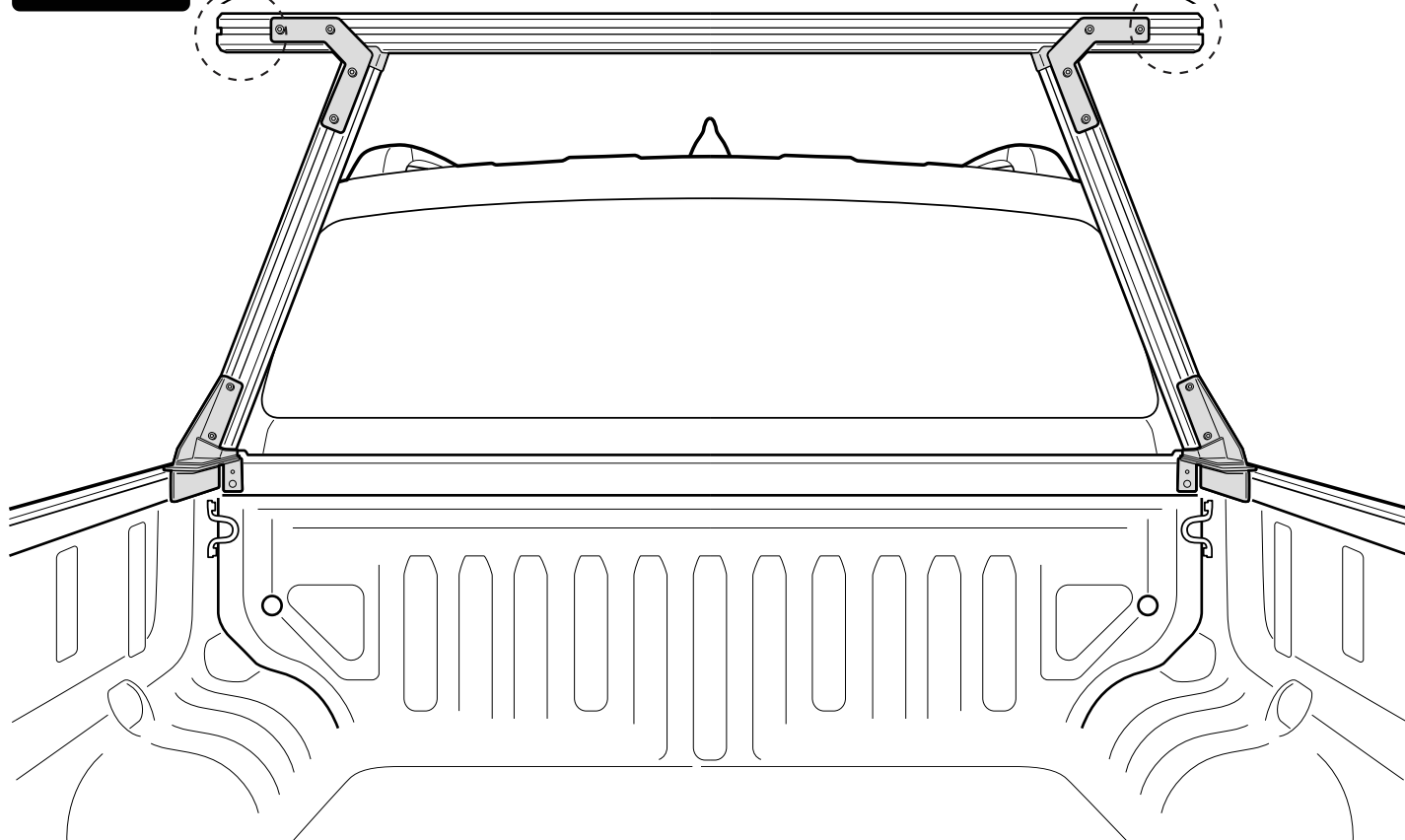
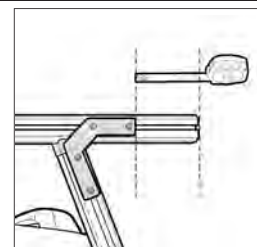
Securely tighten all indicated bolts.
Repeat to the other side.



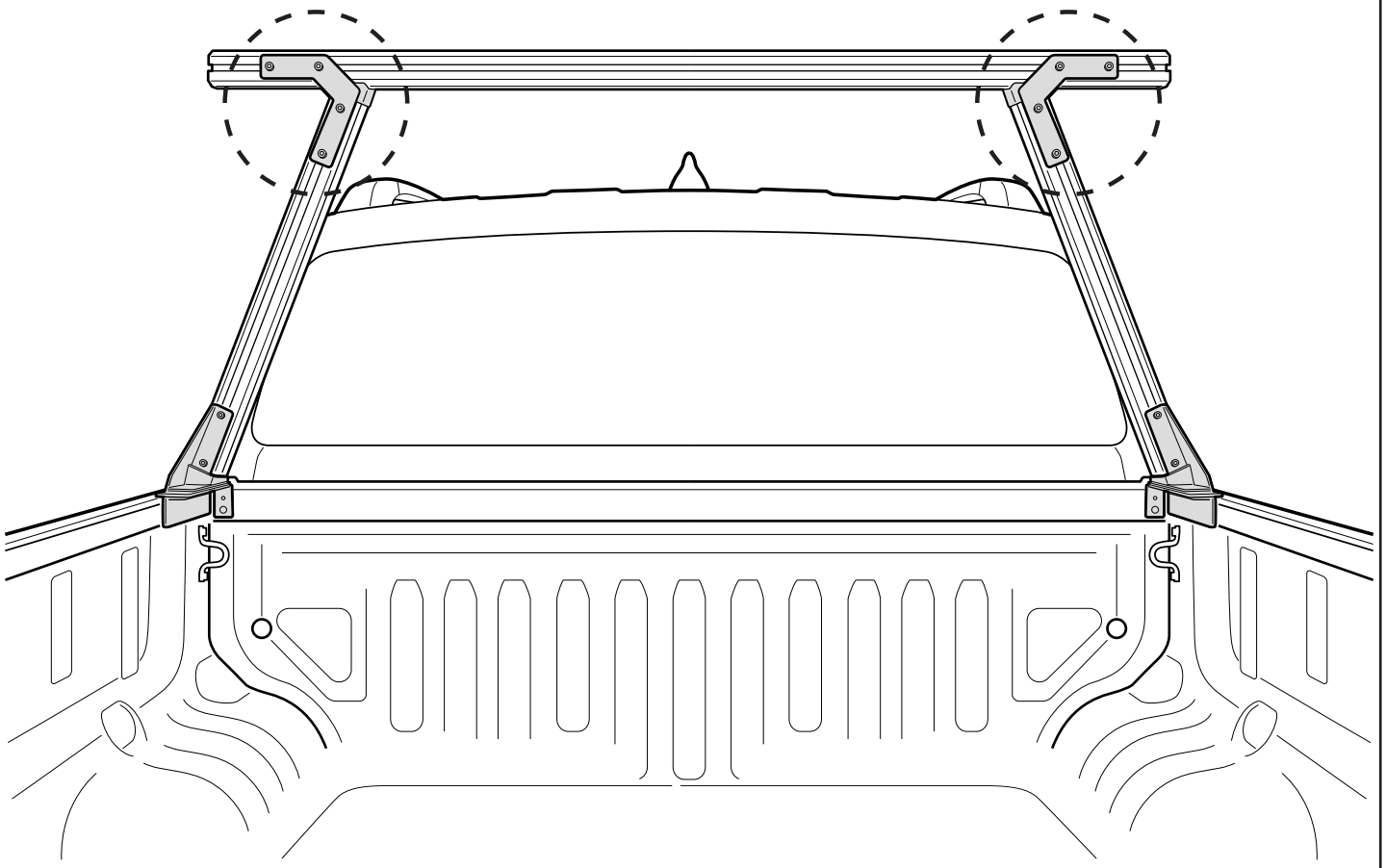
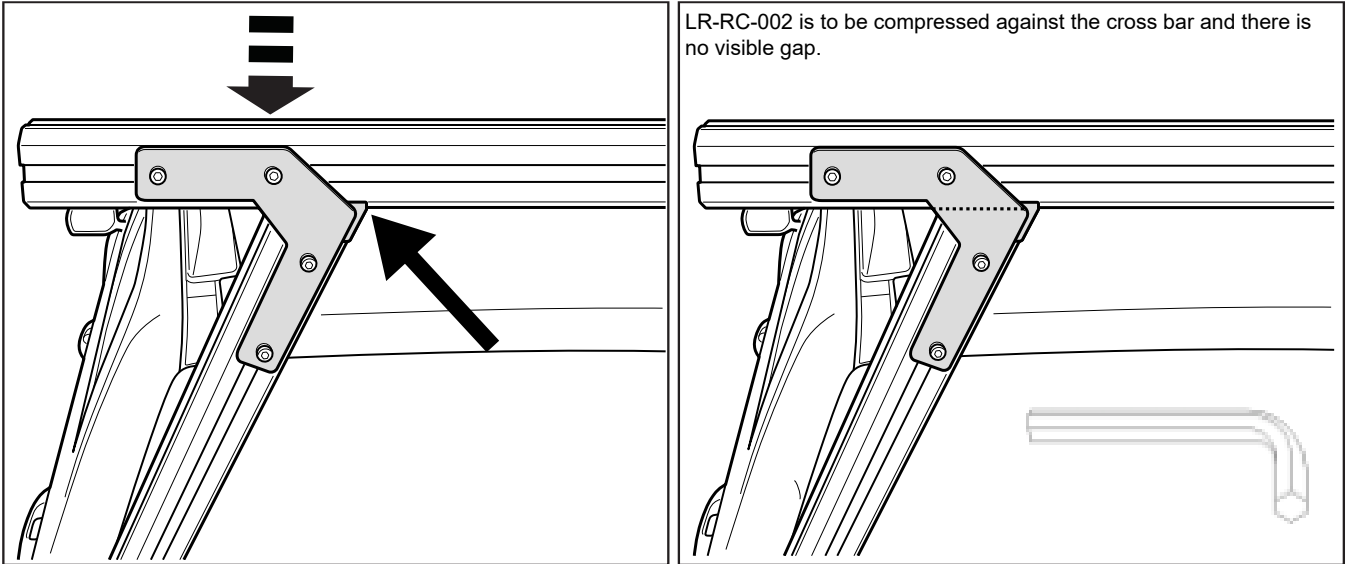
Measure and center cross bar.



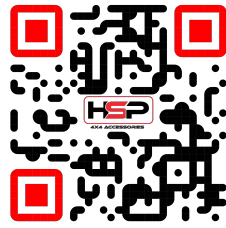
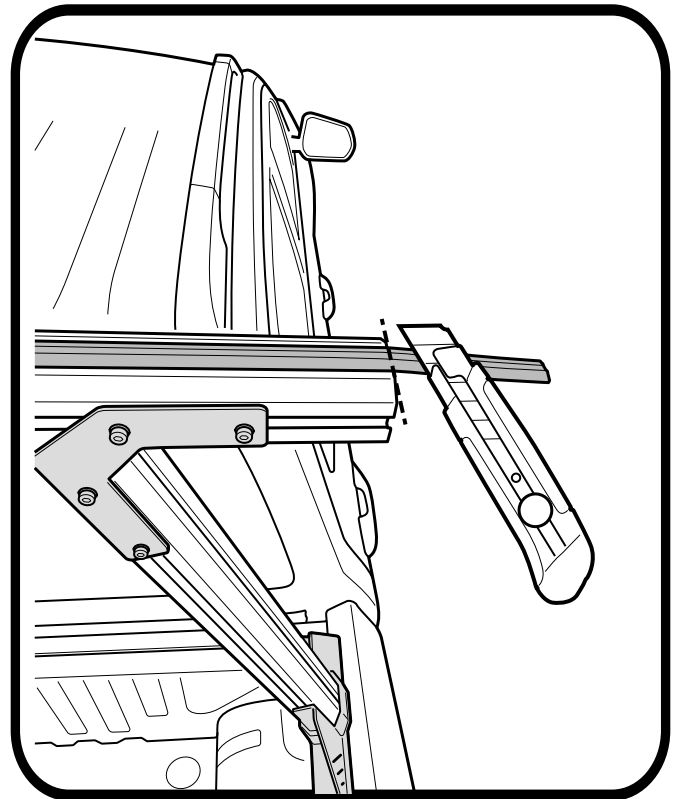
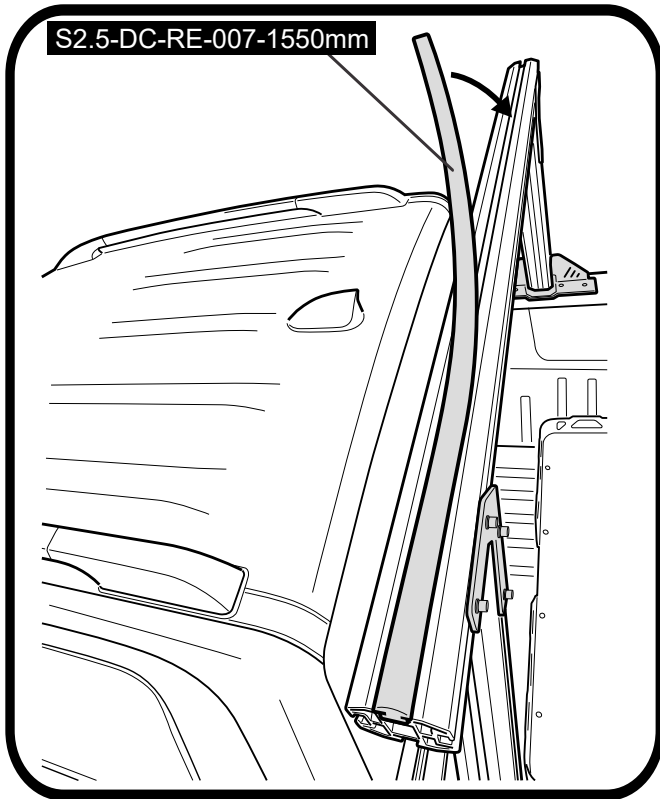
 **VISUAL TIP**



1. Apply firm pressure to the indicated location, ensuring that LR-RC-002 is compressed against the cross bar and there is no visible gap.
2. Securely tighten all M6x16mm socket head bolts.

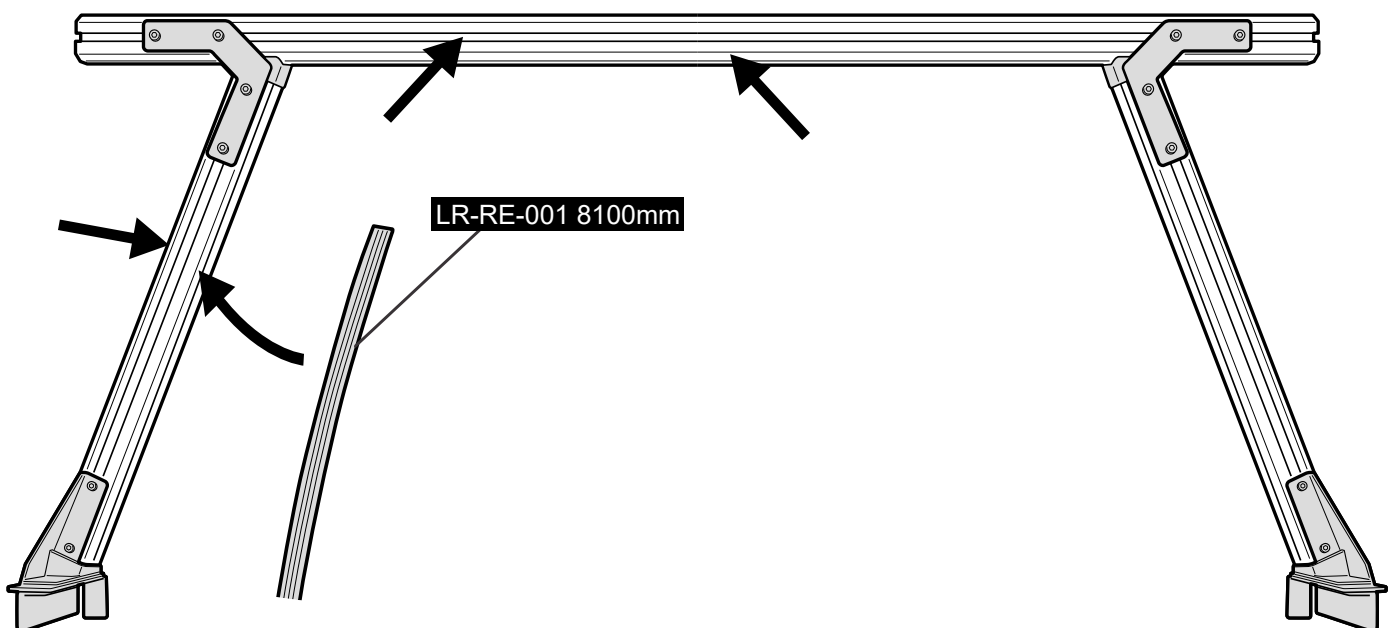


Place the rubber molding into the top channel of the cross bars and make sure that it is flush with each end. Avoid stretching the rubber molding. Trim any excess rubber and dispose of it properly.

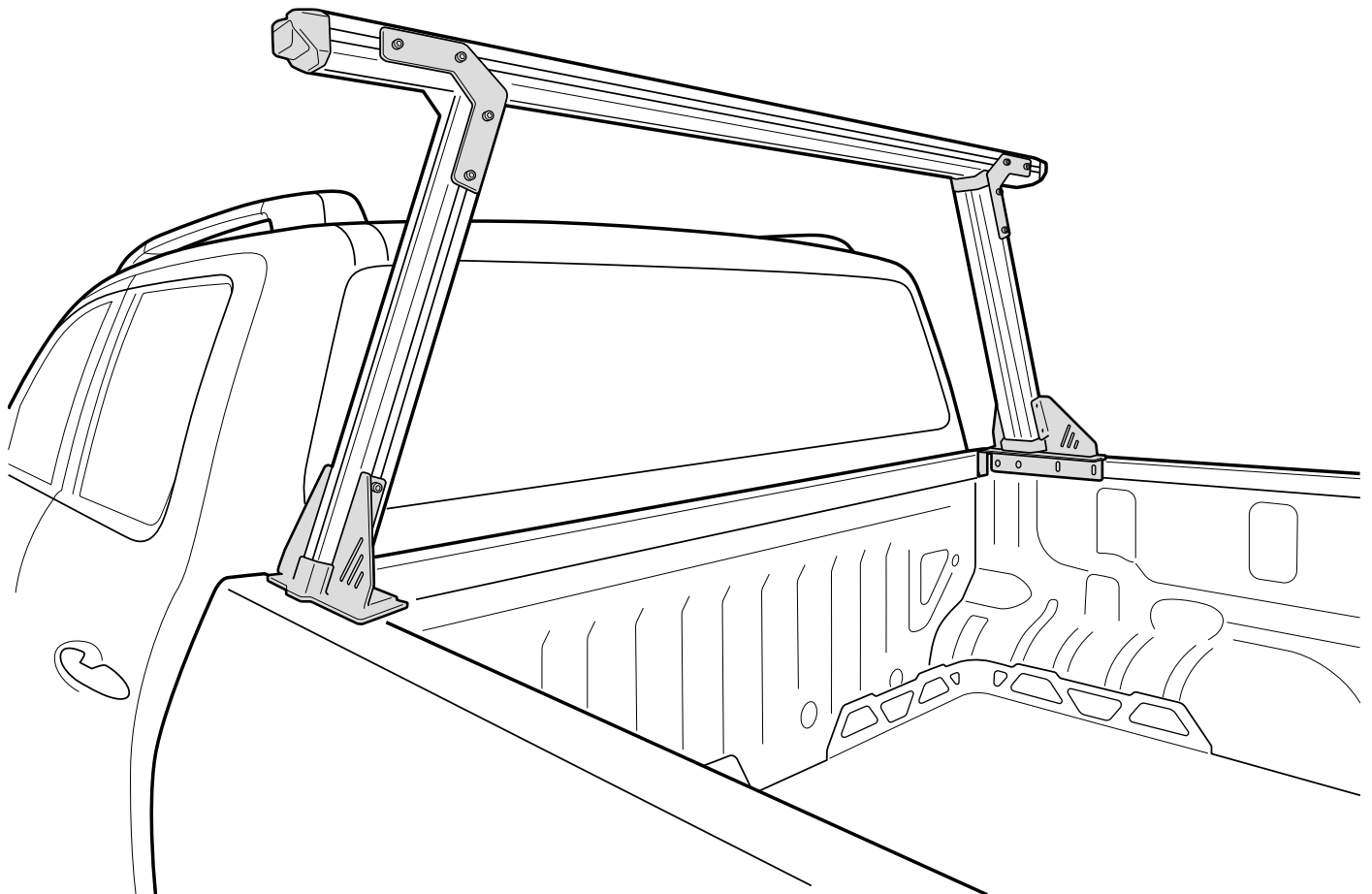
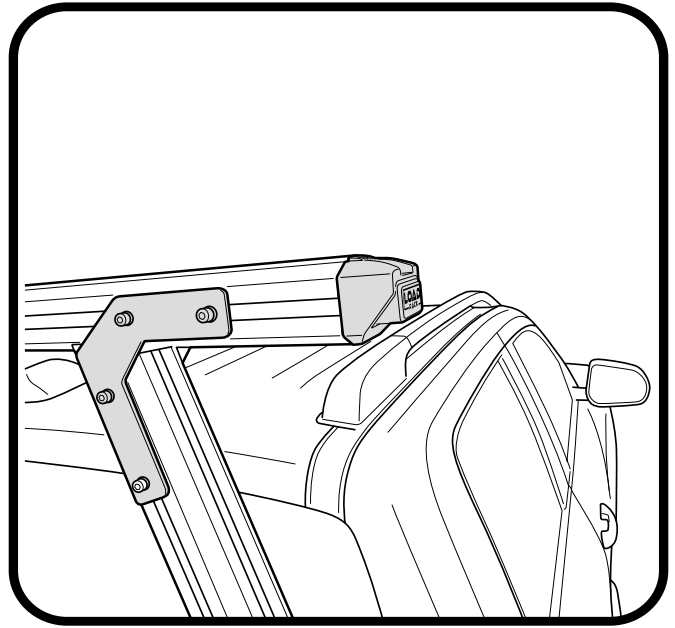
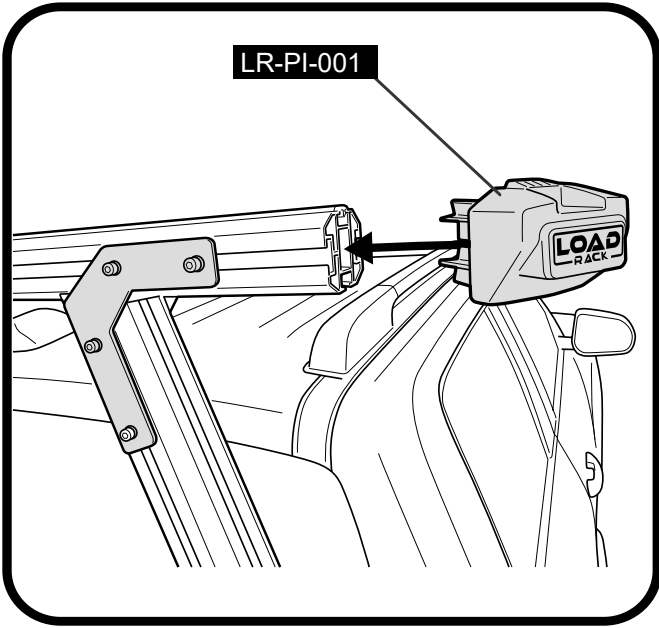


 **VISUAL TIP**

Insert the rubber molding into all the exposed channels of the cross bars and the cross bar legs. Ensure that the rubber molding is cut 5mm longer on each end and tucked behind brackets. Avoid stretching the rubber molding during installation.



Install LR-PI-001 end caps onto the ends of the cross bars in the indicated orientation. Apply slight force if necessary to fit them firmly. Repeat to the other side.



**NOTE: The Load rack is rated to carry 60kg combined.
Exceeding the manufacturers recommended limit may cause issues and
result to canceling of your warranty.**



Please read the following disclaimer carefully before using our ladder racks. By using our ladder racks, you acknowledge and agree to the terms and conditions stated below.

Load Rack Ratings:

Our load rack system consists of a front rack and a rear rack, each with a maximum load capacity of 60kg. When the front and rear racks are coupled with the joiner, the combined load capacity is rated up to 150kg. These weight ratings apply solely to the racks themselves.

Vehicle Manufacturer's Guidelines:

It is essential to consult your vehicle manufacturer's guidelines to determine the permissible carrying capacity once our ladder racks are installed. The load-carrying capacity of your vehicle may vary, and it is crucial to adhere to the specific guidelines provided by the manufacturer. Please note that these guidelines may override the load capacity ratings of our ladder racks.

Consumer Guarantees:

Under the Australian Consumer Law, our ladder racks come with guarantees that cannot be excluded, including guarantees as to acceptable quality and fitness for purpose. You may be entitled to a replacement, repair, or refund if our ladder racks do not meet these guarantees. These consumer guarantees apply in addition to any other warranties or disclaimers stated in this disclaimer.

Limitation of Liability:

To the extent permitted by law, HSP (hereinafter referred to as "we," "our," or "us") will not be held liable for any damages or losses incurred to your vehicle or any third-party property as a result of using our ladder racks. It is the responsibility of the user to ensure that the load being carried is within the prescribed weight limits, securely fastened, and properly distributed.

Proper Installation and Usage:

We strongly recommend that you carefully follow the installation instructions provided with our ladder racks. Improper installation or usage may lead to instability, damage to your vehicle, or accidents. It is your responsibility to ensure that the ladder racks are correctly installed and used in accordance with the provided instructions.

Regular Inspections and Maintenance:

We advise conducting regular inspections of the ladder racks to check for any signs of wear, damage, or loose components. If any issues are detected, discontinue use immediately and seek professional assistance. Regular maintenance is essential to ensure the continued safe and proper functioning of the ladder racks.

Assumption of Risk:

By using our ladder racks, you acknowledge and accept the inherent risks associated with carrying loads on your vehicle. You assume all responsibility for any damages, injuries, or losses that may arise from the use of our ladder racks, whether directly or indirectly.

Tub Strengthening Requirements:

Please be aware that your vehicle manufacturer may require additional strengthening of the tub in certain cases. This responsibility falls on the user/purchaser, and it is crucial to comply with such requirements as specified by your vehicle manufacturer.

Please note that this disclaimer does not exclude, limit, or modify any rights or remedies available to you under the Australian Consumer Law or any other applicable legislation. If you have any questions or concerns regarding our ladder racks or your consumer rights, please contact us or seek independent legal advice.

If you do not agree with any part of this disclaimer or if any provision of this disclaimer is held to be invalid or unenforceable, the remaining provisions will continue in full force and effect.

If you have any questions or concerns regarding our ladder racks or this disclaimer, please contact us for further clarification.