



Installation Manual:

Ford Transit Surf Pole

SKU: 1003-MK100-00 REV 0

Date: 9/29/2025

Revision: 0



Disclaimer and Notes

Disclaimer: Unaka Gear Co. is committed to providing high-quality products, but it is important to note that we are not liable for any damage, failure, or loss resulting from incorrect installation or safety precautions taken during installation or use of our gear. Proper installation is crucial to ensure safety and functionality. We strongly recommend that all installation be performed by a qualified professional or according to the detailed instructions provided with the product. By using our gear, you acknowledge and accept that Unaka Gear Co. is not responsible for any issues arising from improper installation. For any questions or concerns, please contact our customer service team.

Terms of Service & Warranty: To see our complete terms, conditions, as well as warranty information use the link below or head over to our website. <https://unakagearco.com/policies/terms-of-service>

Preventative Maintenance: In order to ensure proper performance of your gear you must do an initial torque check after 4 to 7 days, follow up checks after 1 month, routine checks every 3 to 4 months, and after moderate driving on bumpy or gravel roads.



Connect Upper and Lower Rungs



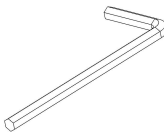
Ladder



Box Wrenches– 1/2"



1/2" Socket & Wrench



3/16" Hex Key



Torque Wrench (11 ft-lb capacity or higher)
And socket and Allen head adapters



Drill



1/8" Drill Bit



3/8" Drill Bit



Loctite C5-A Anti-Seize

Customer may desire to apply a dab of anti-seize to the side of each bolt that will be paired with a nylock nut. Nylock nuts have a small plastic insert to make them vibration resistant. (not included in kit)

Post Drilling Paint Prep and Finish Items



File or Deburr Tool



Sandpaper

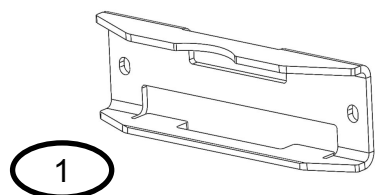


Paint Cleaning/Prep Materials



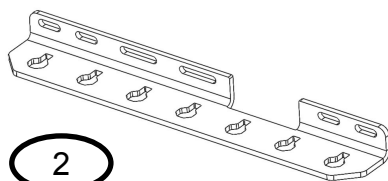
Paint

Components



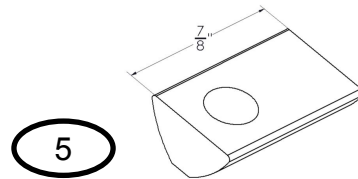
1

UPPER ALIGNMENT PLATE
[ITEM 1] {QTY. 1}



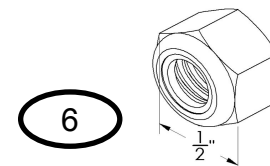
2

LOWER FRAME BRACKET
[ITEM 2] {QTY. 1}



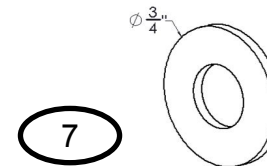
5

5/16-18 ROLL IN T-NUT
[ITEM 5] {QTY. 2}



6

5/16-18 LOCKNUT
[ITEM 6] {QTY. 2}



7

5/16" WASHER
[ITEM 7] {QTY. 8}



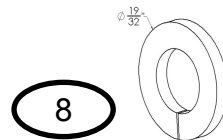
3

SURFBOARD POLE UPPER HALF
[ITEM 3] {QTY. 1}



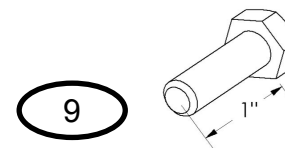
4

SURFBOARD POLE LOWER HALF
[ITEM 4] {QTY. 1}



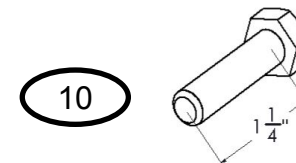
8

5/16" LOCK WASHER
[ITEM 8] {QTY. 6}



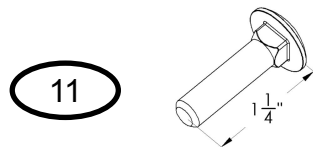
9

5/16-18 X 1" HEX SCREW
[ITEM 9] {QTY. 2}



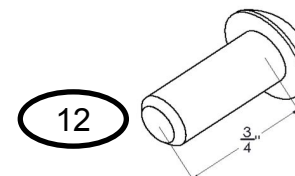
10

5/16-18 X 1.25" HEX SCREW
[ITEM 10] {QTY. 2}



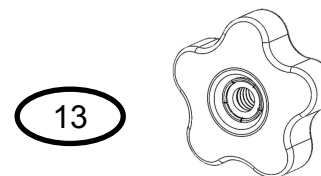
11

5/16"-18 X 1-1/4" CARRIAGE BOLT
[ITEM 11] {QTY. 2}



12

5/16-18 X 3/4" NON-FLANGED SCREW
[ITEM 12] {QTY. 2}



13

KNOB 5/16-18 THREAD INSERT
[ITEM 13] {QTY. 2}

Connect Upper and Lower Pieces

1 x 

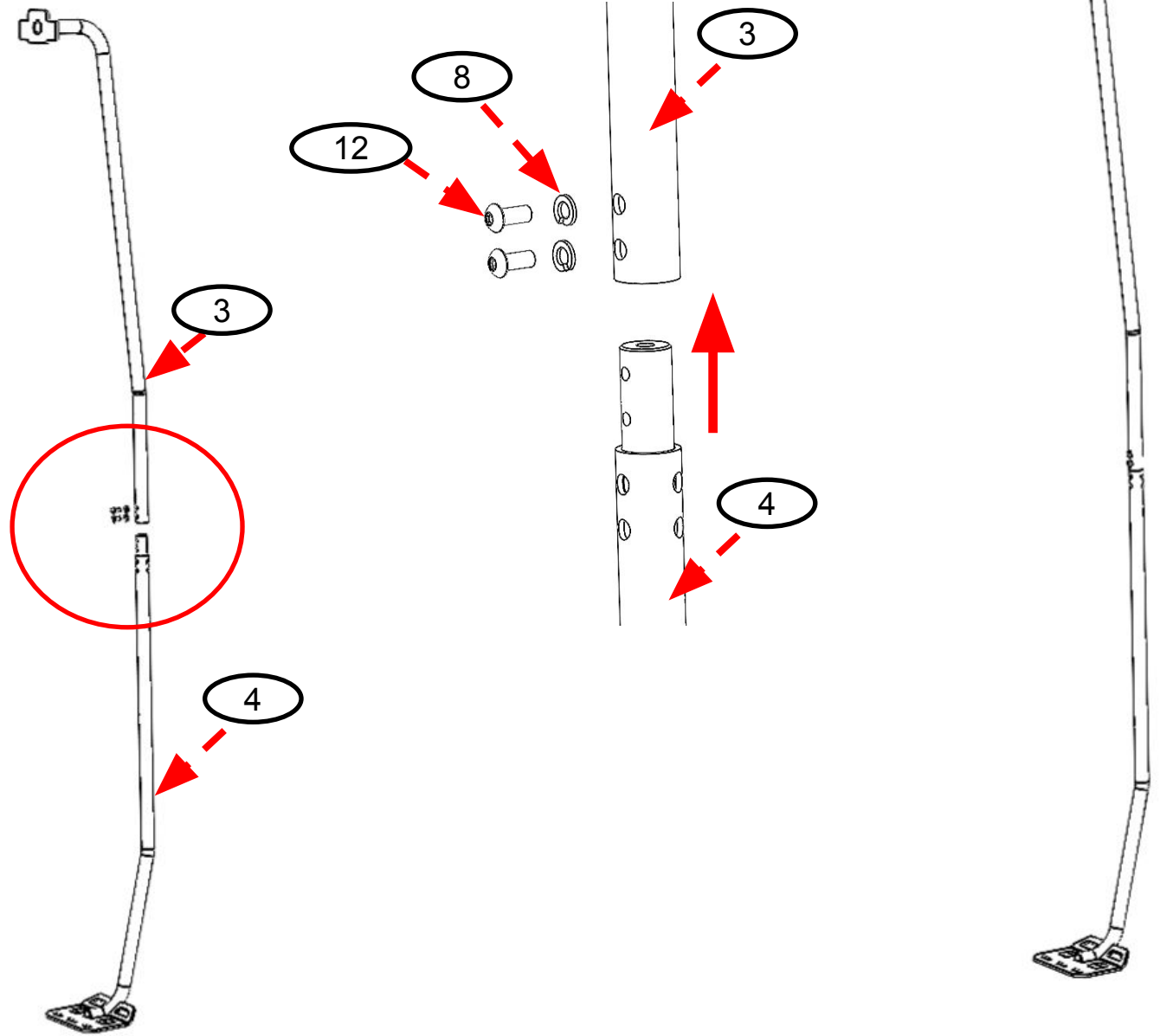


• 3/16 Allen



11 ft-lbs

- Align the two halves and connect together
- Use the provided hardware
- Tighten to ensure the two halves are properly secured



Install lower hardware

1 x 



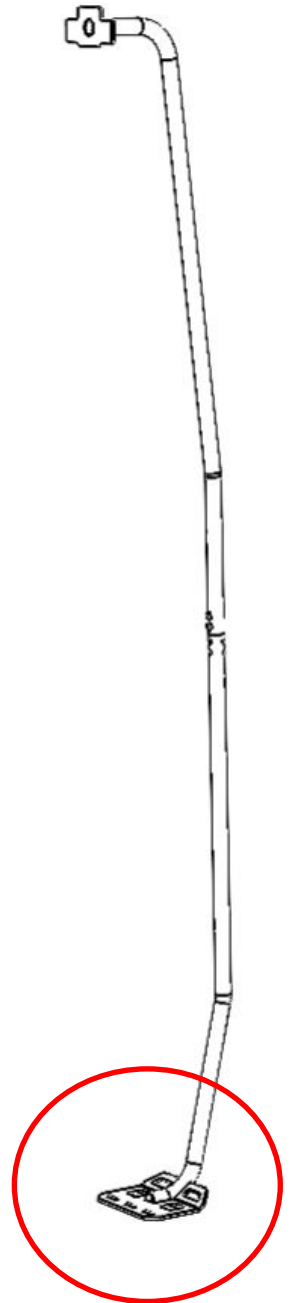
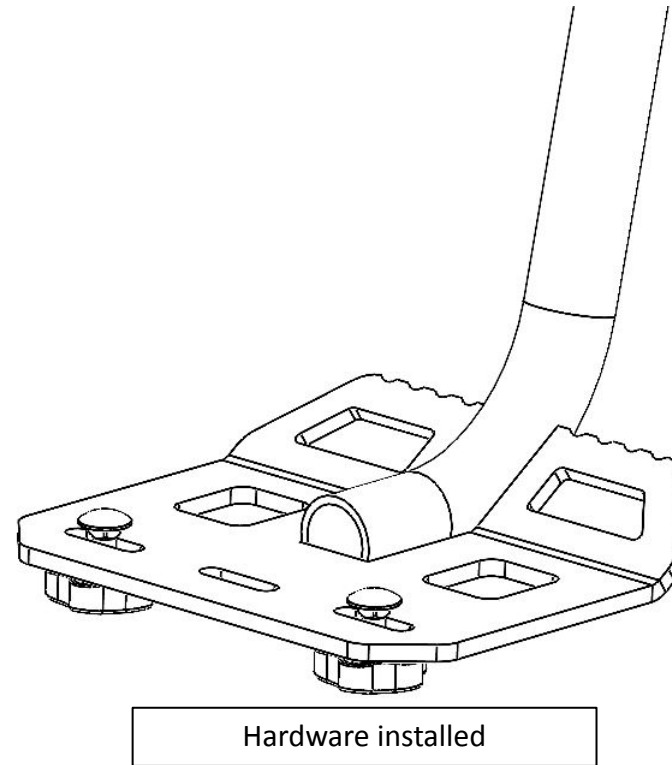
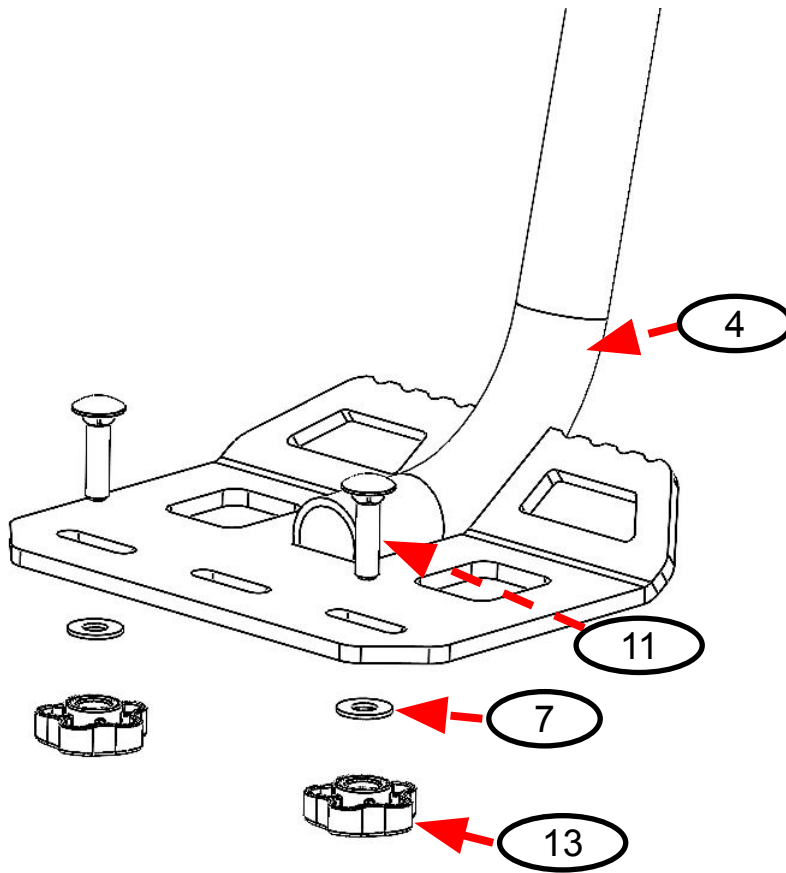
•

None



NA

- Insert the carriage bolt through the top of the lower plate
- Place a washer over the bolt, then thread on the knob
- Leave the hardware loose



Surf Pole Location



1 x

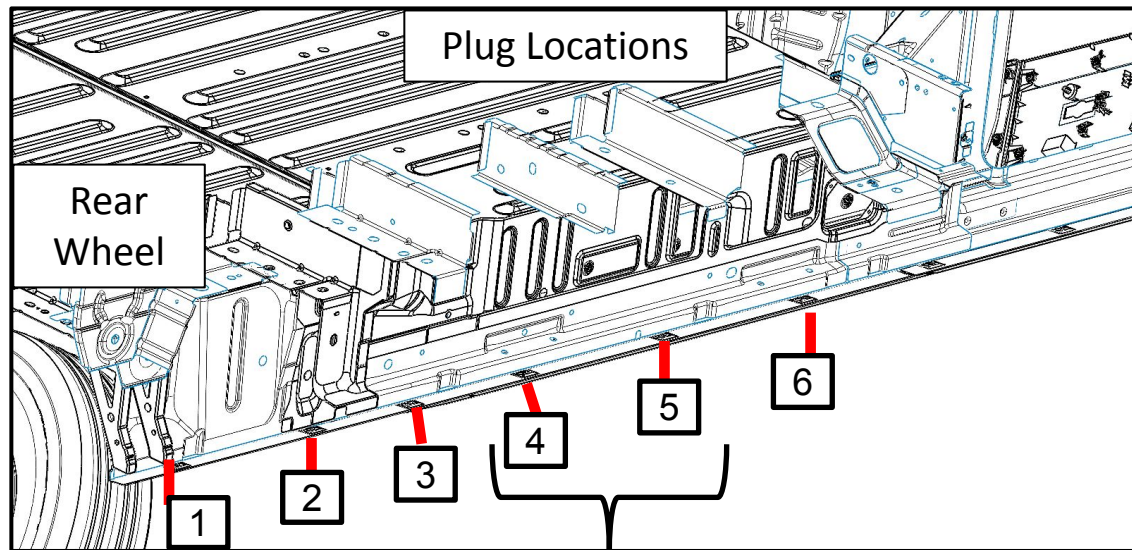
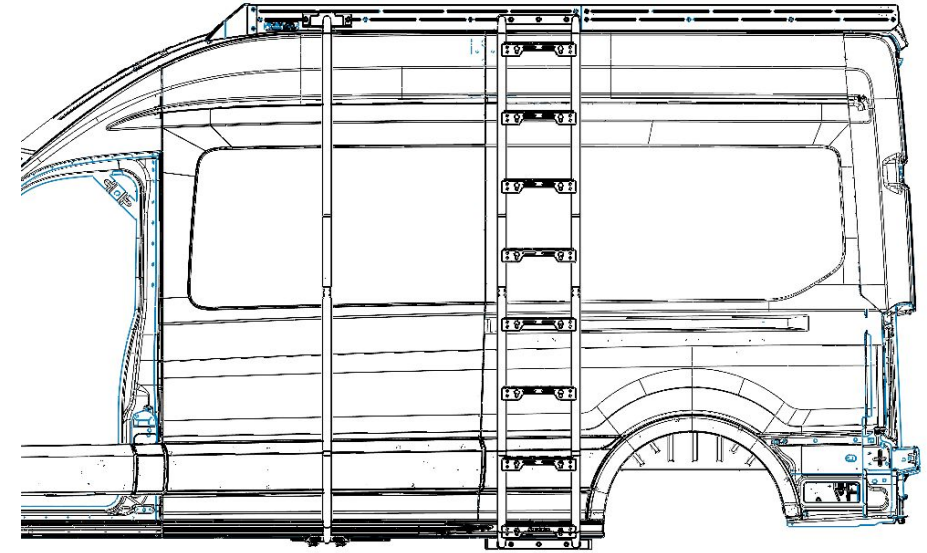


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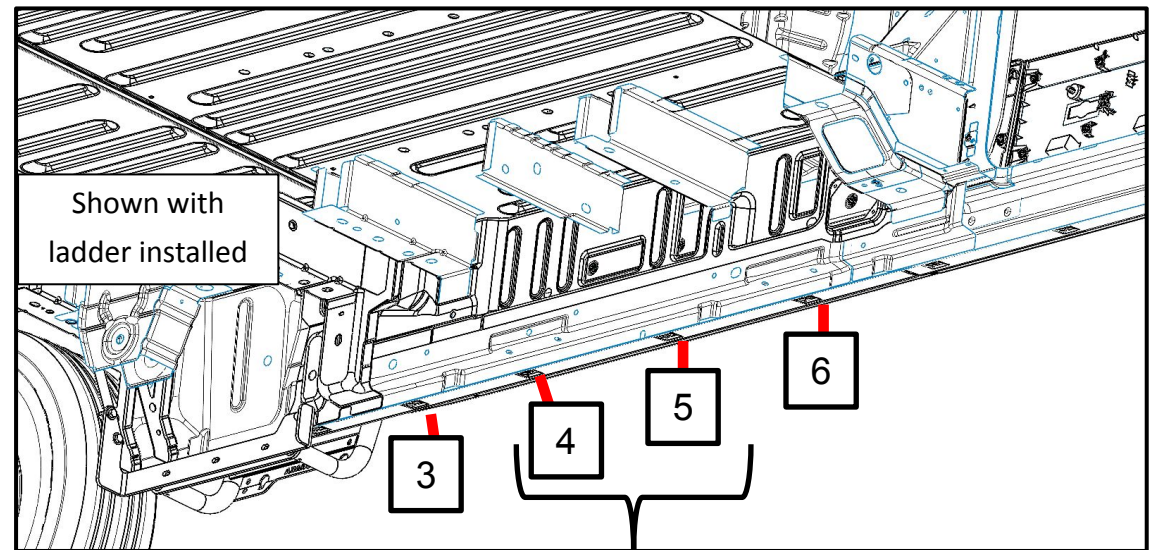


NA

- Our Transit surf pole gives the customer flexibility over where it is installed.
- Our lower bracket utilizes the transit frame panel plug locations so you do not have to remove the exterior trim panel
- This install manual covers installing the surf pole using panel plug locations 4 & 5.
- Using other panel plug locations may require more adjustments or possible modifications to the bracket or your installation process



Location covered
in this manual



Location covered
in this manual

Surf Pole Location

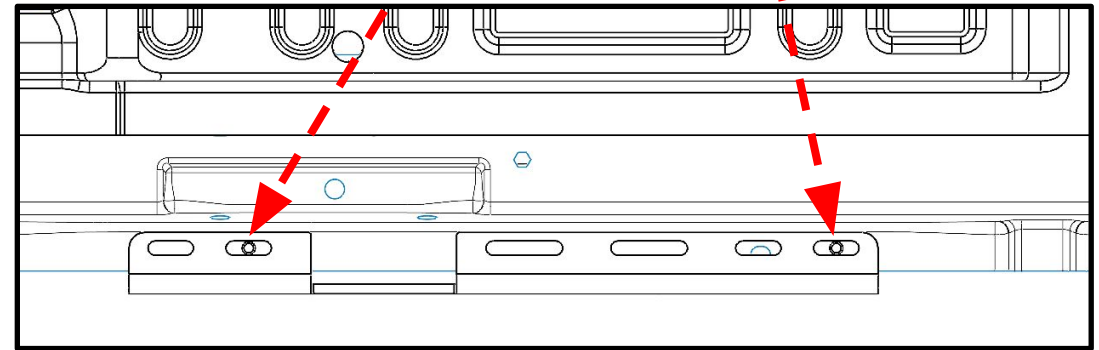
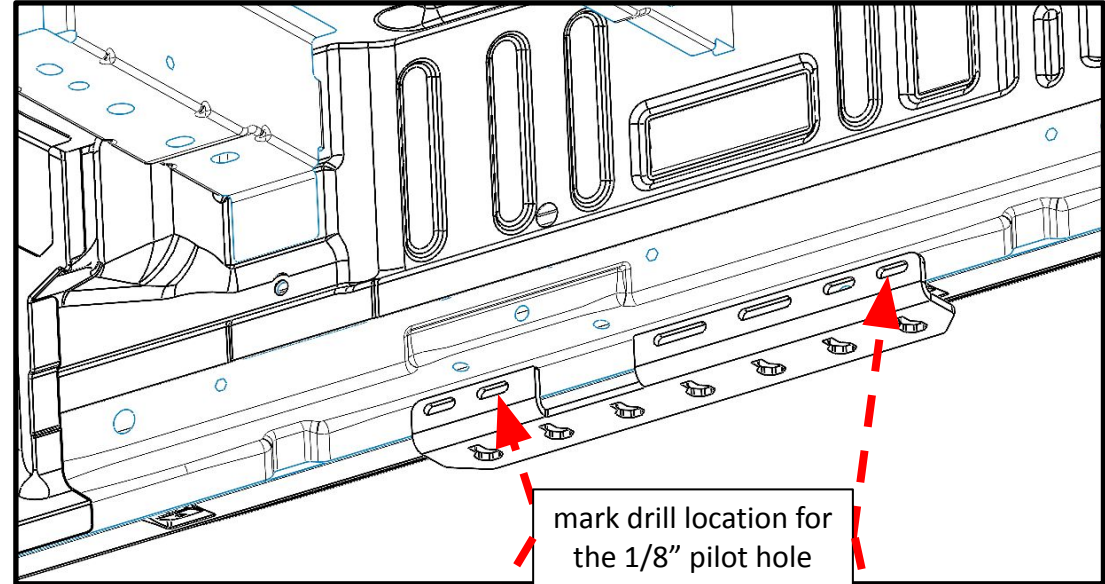
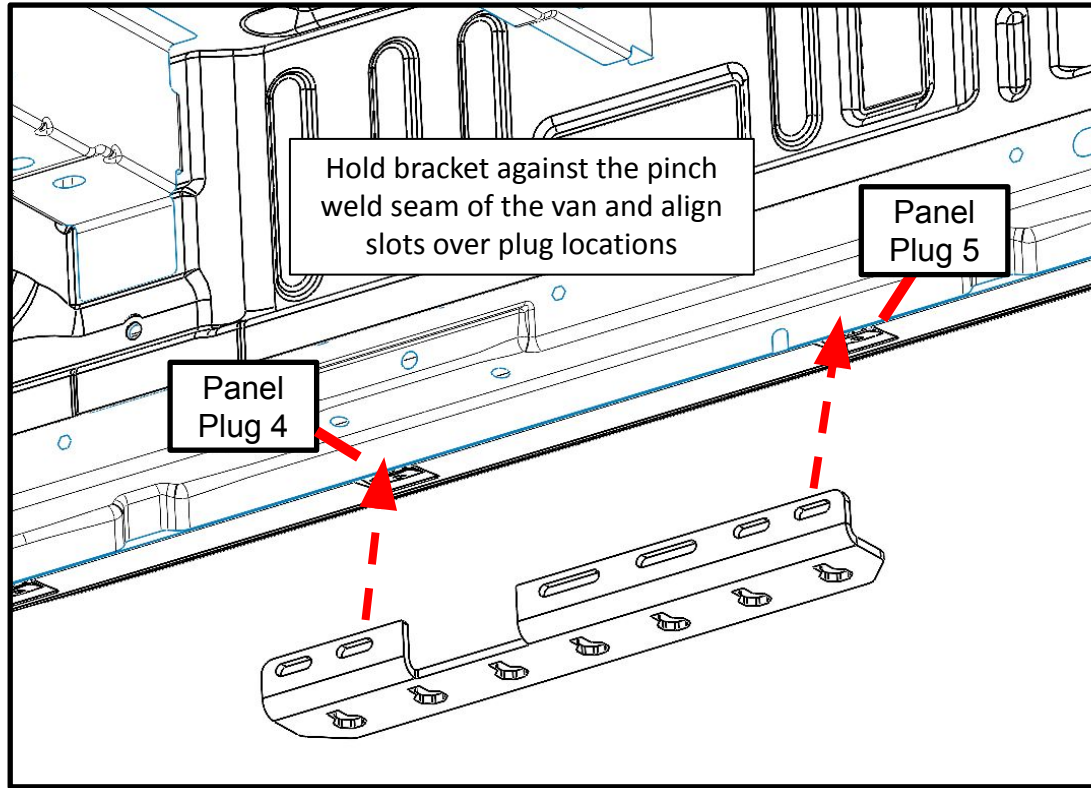
1 x 



- File / Sandpaper
- Cleaner
- Paint

 NA

- Identify desired installation location
- Remove plastic panel plugs
- Hold the bracket up and mark the hole locations
- Use a center punch and hammer to set the center of the drill location
- Use an 1/8" drill bit to create a pilot hole, then open up the hole with a 3/8" bit
- Deburr, clean, and paint any exposed bare metal in the drill locations



Install lower bracket

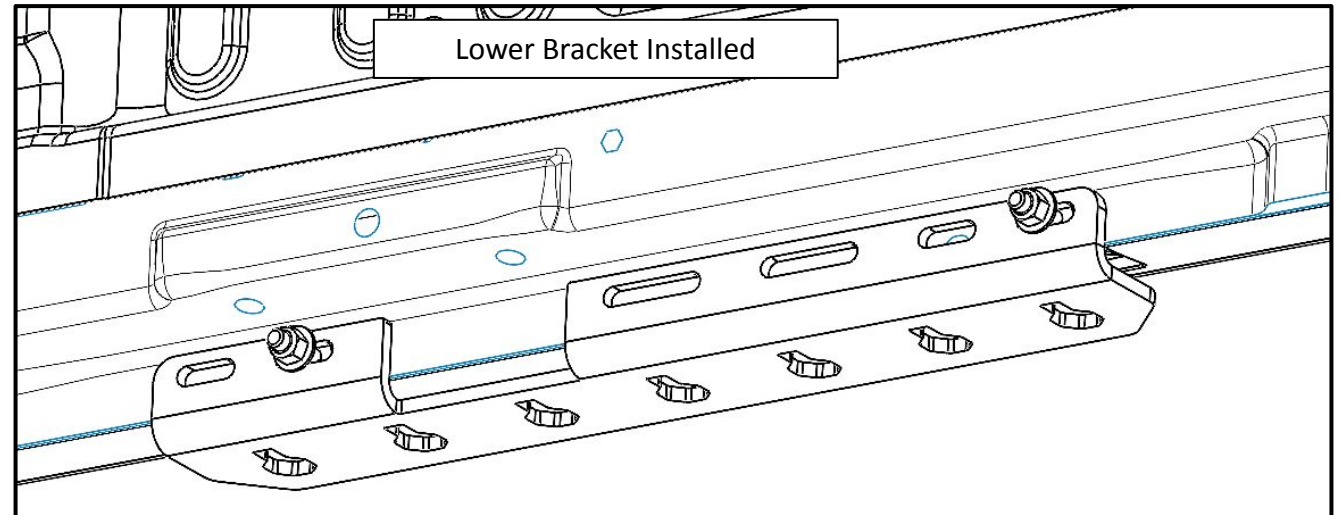
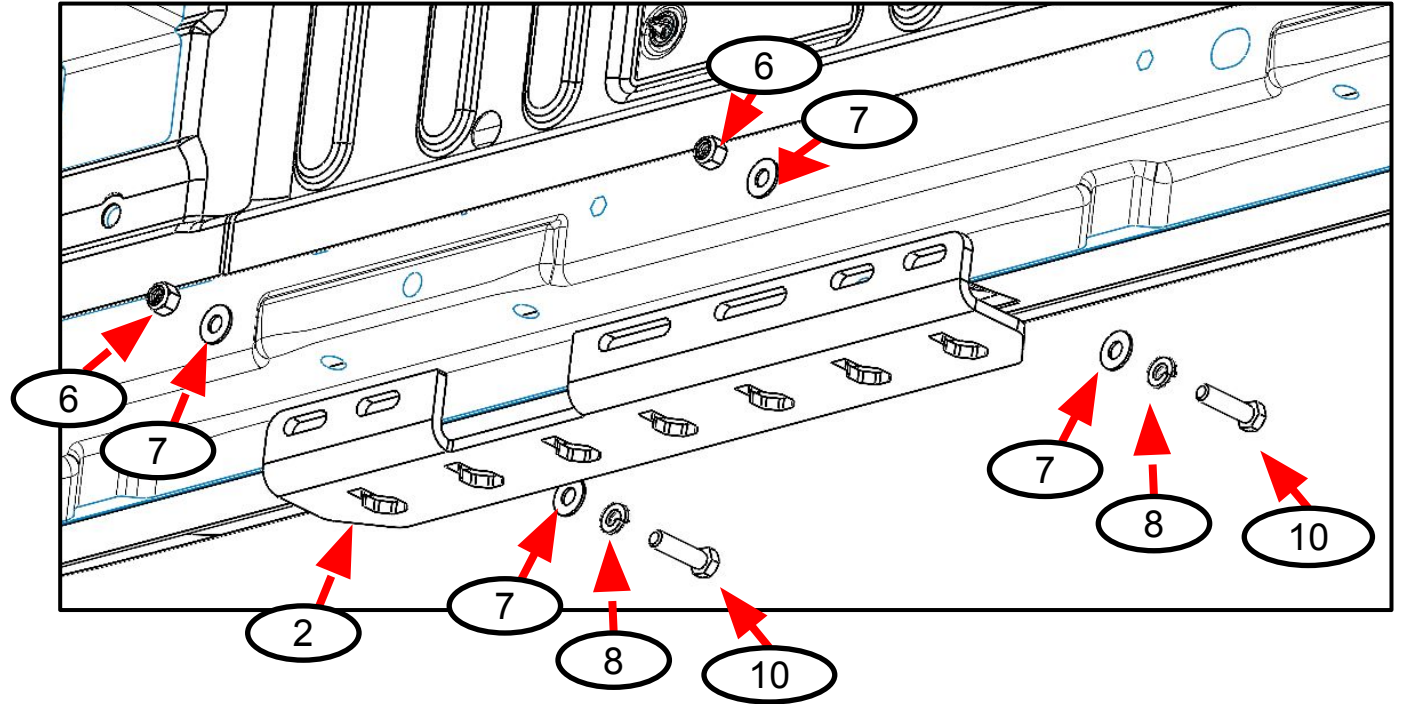
1 x 



- ½" Socket
- ½" Wrench

 Snug

- Place a lock washer, then washer onto the 1.25" long hex screw
- Insert bolt plus washers through the panel plug location
- Locate the bracket over the bolts, then place a washer and nut onto each bolt
- Snug up hardware, but do not fully tighten yet



Locate upper bracket

1 x 

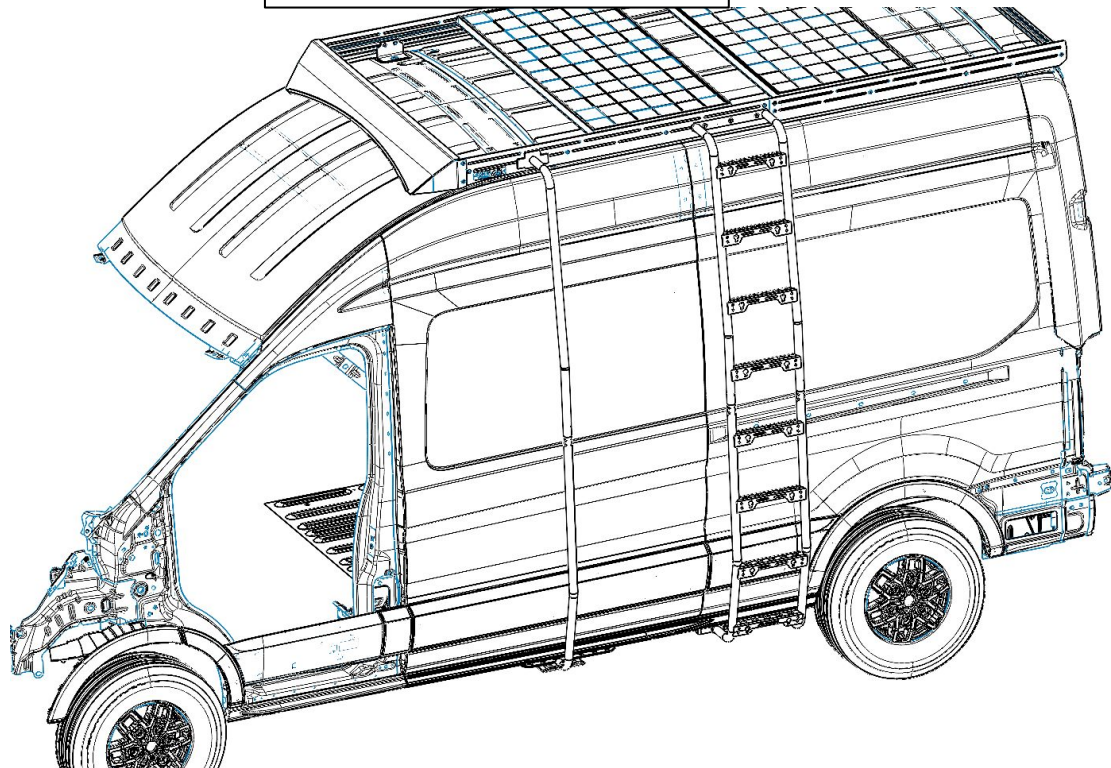


- ½" Socket
- ½" Wrench

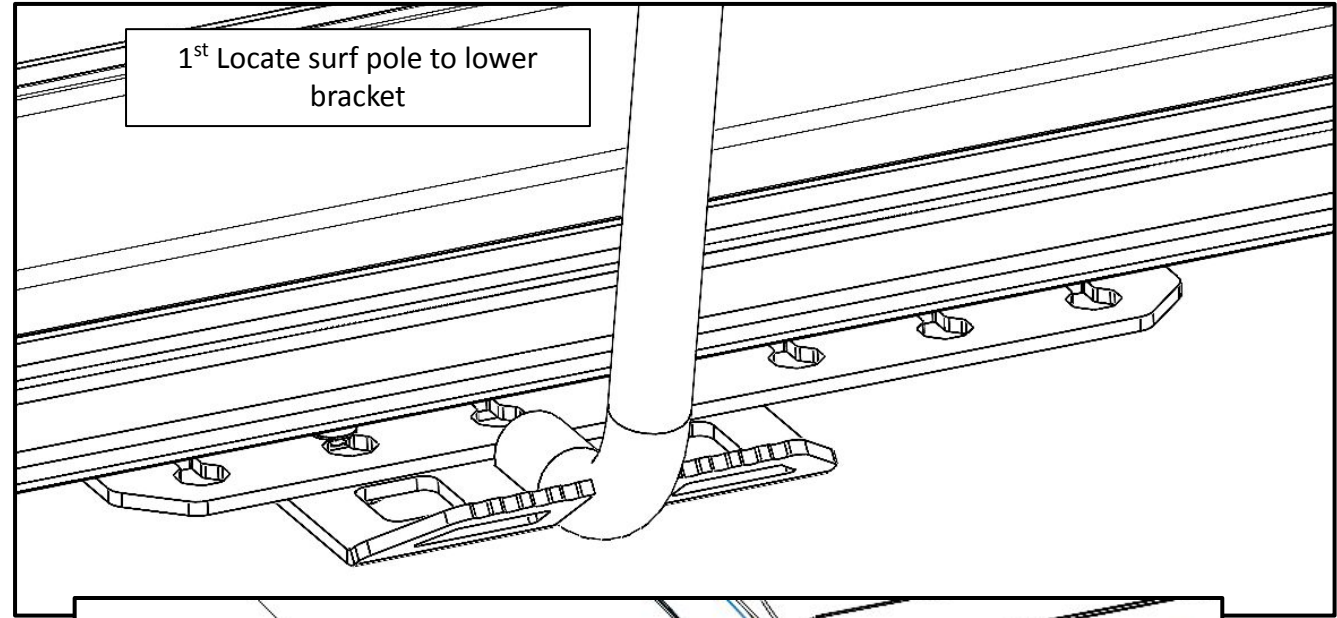
 Snug

- Locate / align surf pole into respective slots in lower bracket
- Position top of surf pole to visually determine where the top bracket will be located. If needed place a reference mark or some tape on the rack
- Remove surf pole from lower bracket

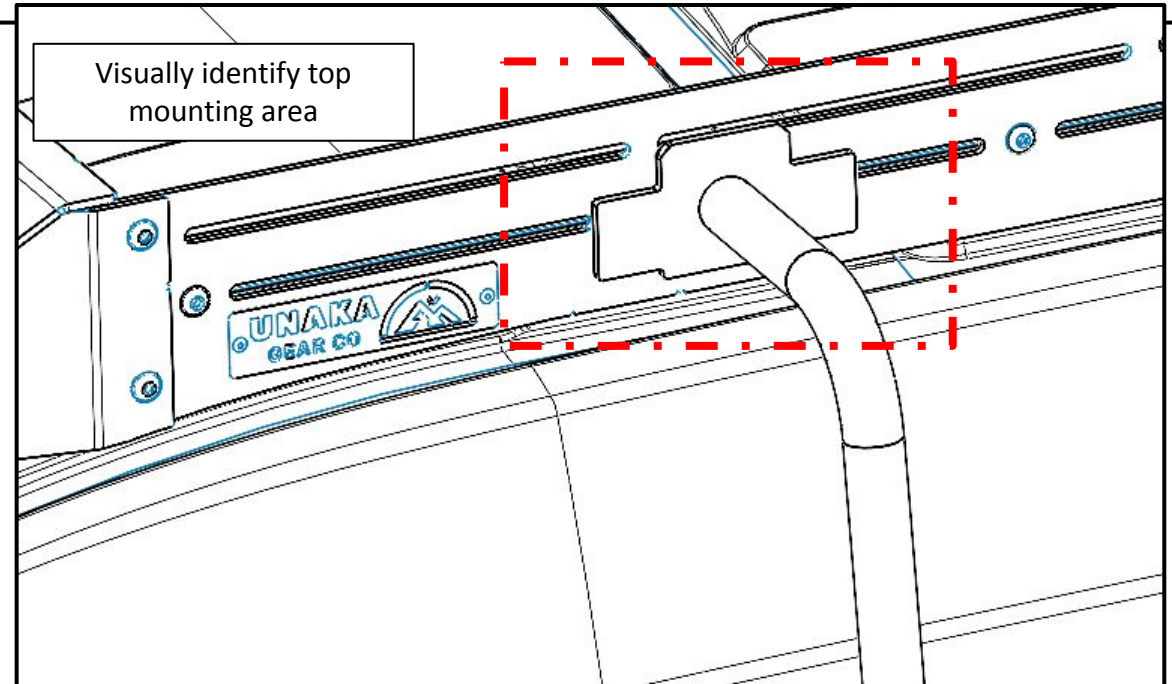
Lower Bracket Installed



1st Locate surf pole to lower bracket



Visually identify top mounting area



Install upper bracket

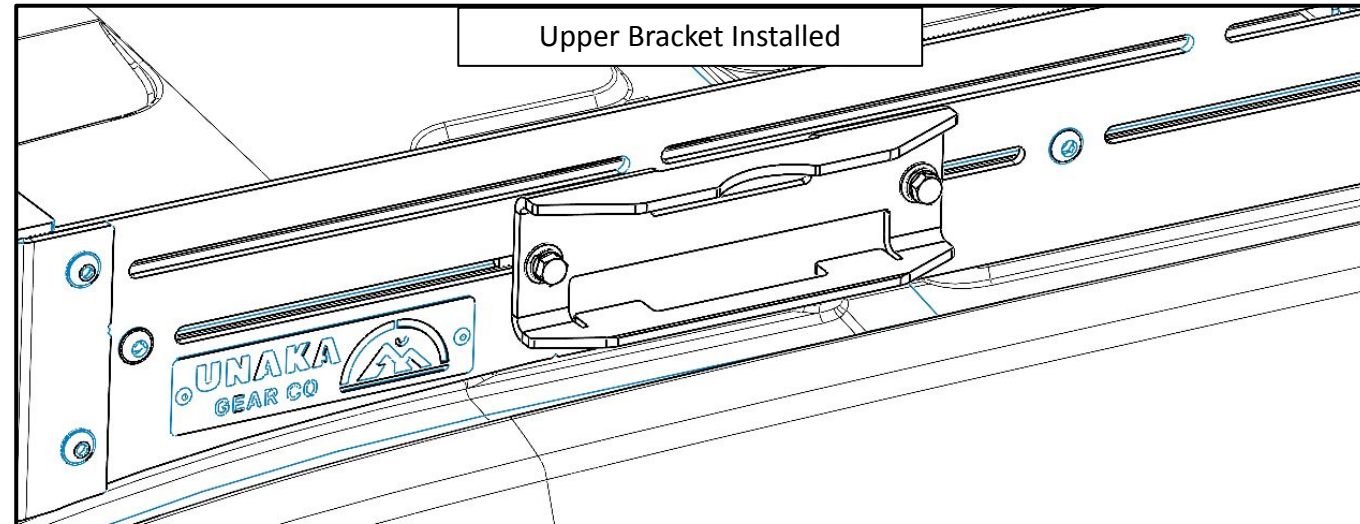
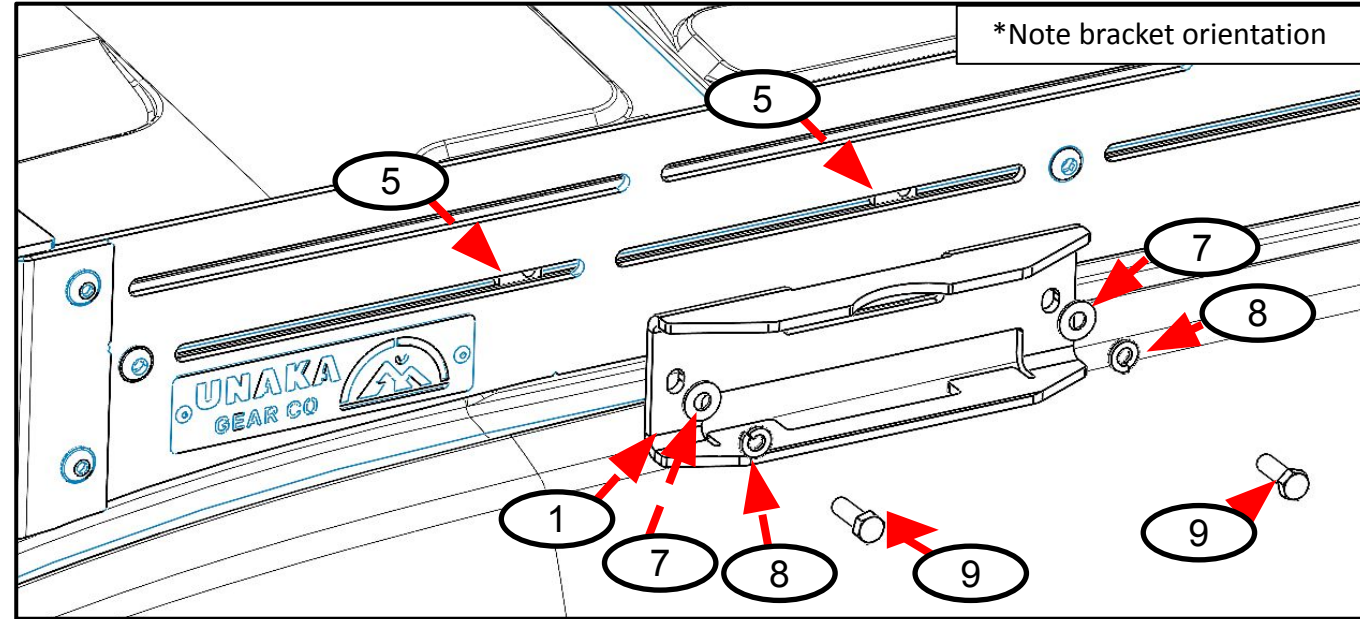
1 x 



- ½" Socket
- ½" Wrench

 wait

- Insert the roll in t-nuts through the side plates and into the 8020 at desired position (remove any side plate hardware that may be in the bracket location that could cause interference)
- Use the bolt, lock washer, and washer to attach the upper bracket to the roof rack. Note the wide slot with tabs faces down
- Snug up the hardware but leave it loose so you can adjust the position of the bracket if needed



Install surf pole

1 x 

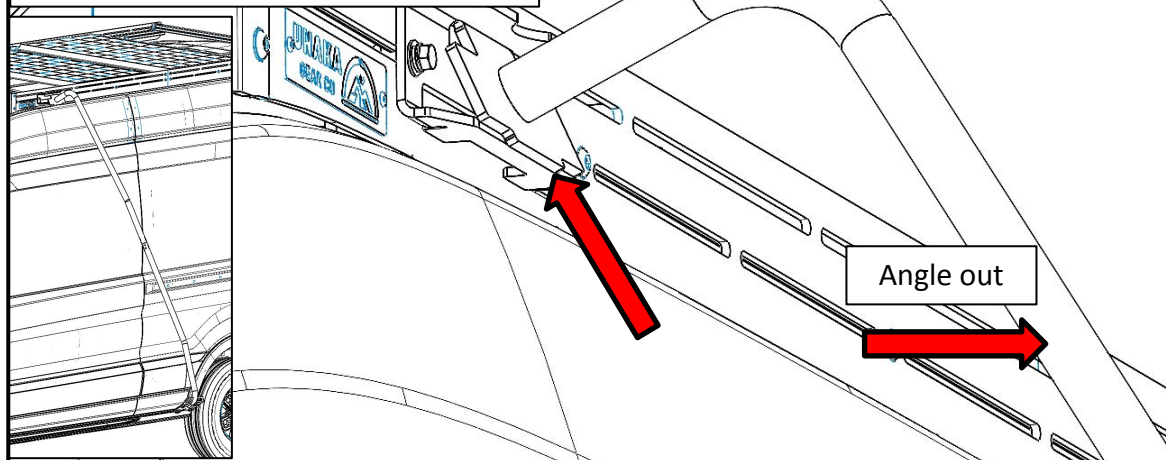


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None

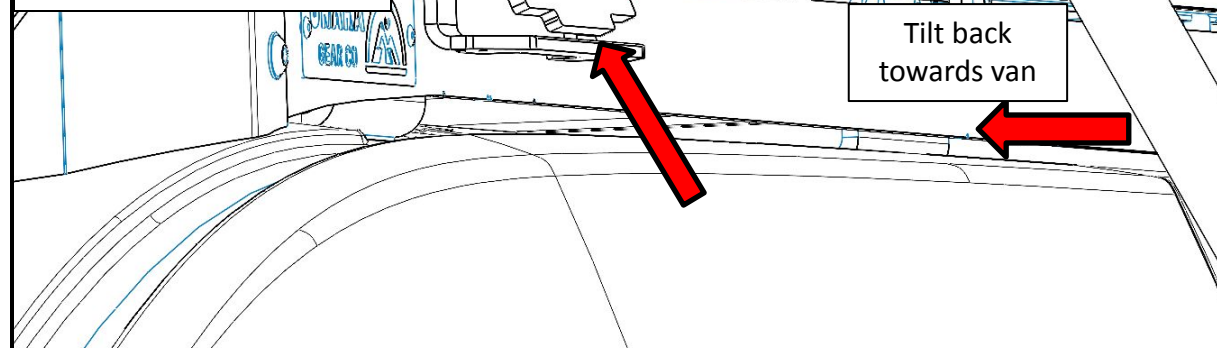
Step 1

Tilt pole out and insert top flange into the top slot of the upper bracket



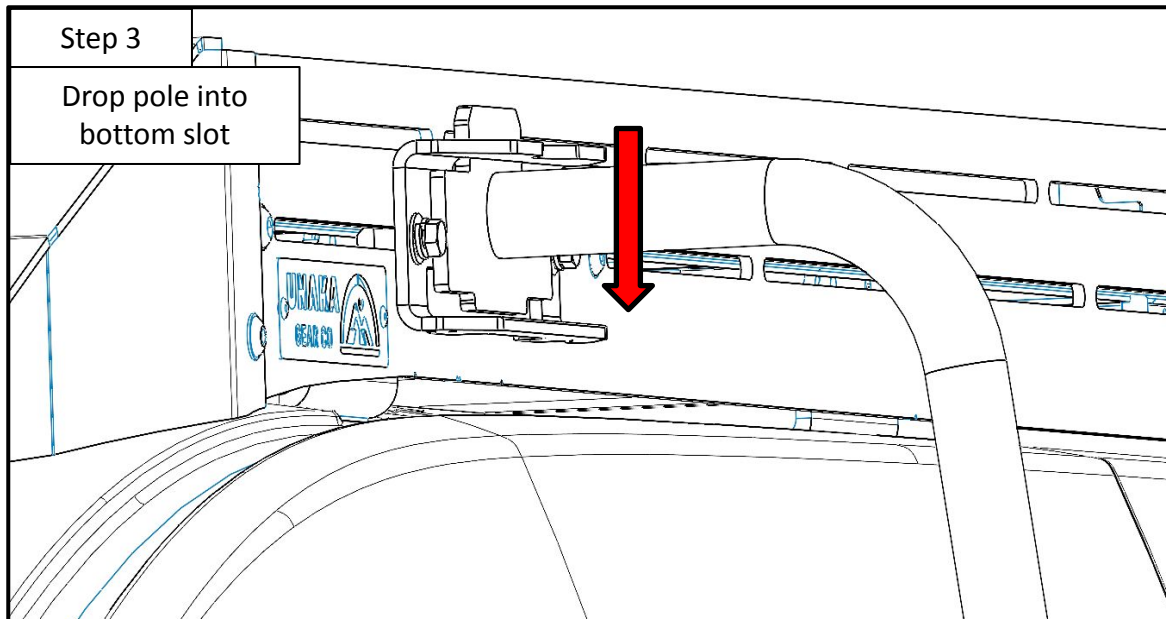
Step 2

Slide the pole up into the top plate, once clear of the bottom flange, tilt the pole back towards the van



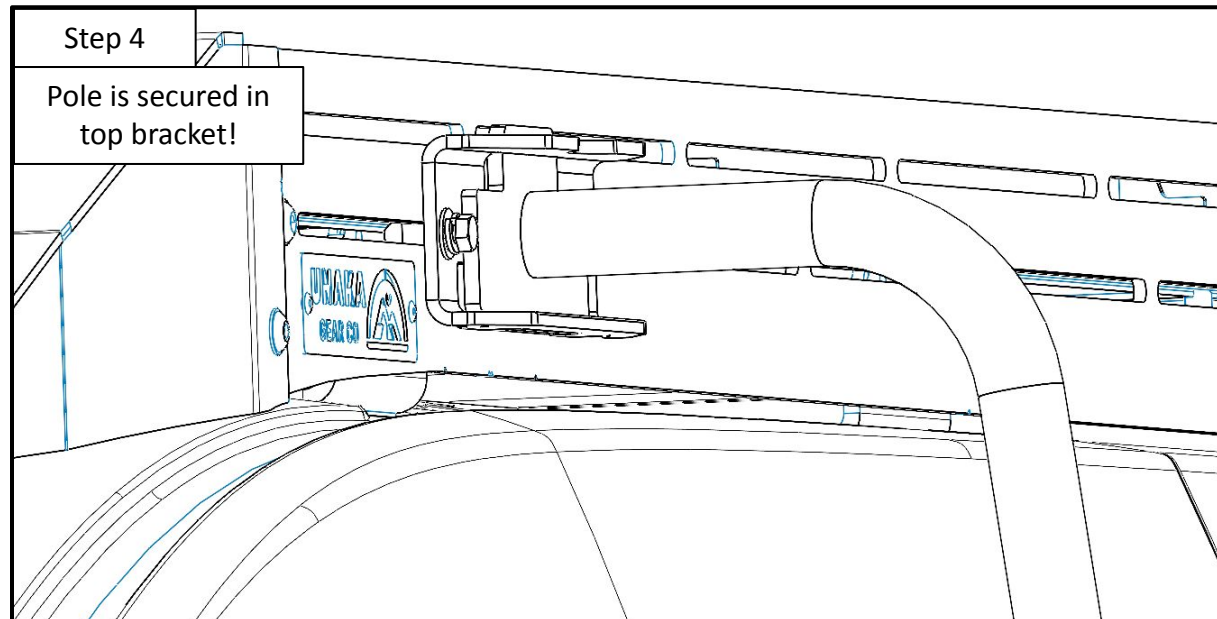
Step 3

Drop pole into bottom slot



Step 4

Pole is secured in top bracket!



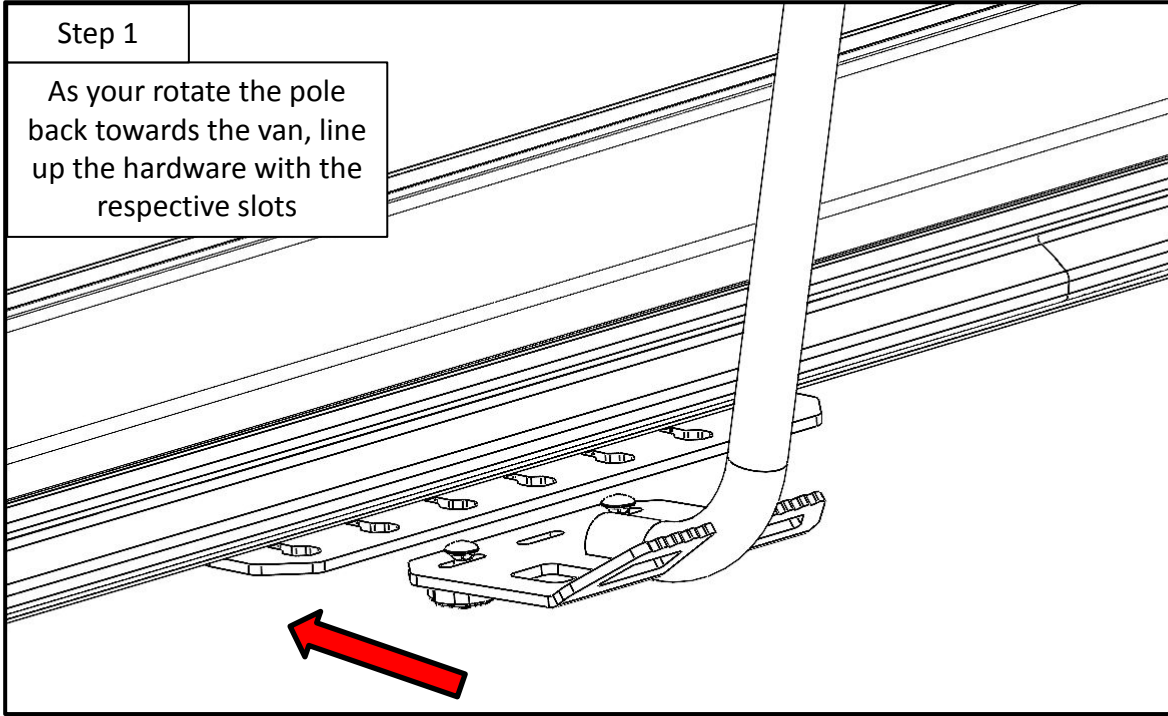
Secure surf pole base

1 x   • None

 Snug

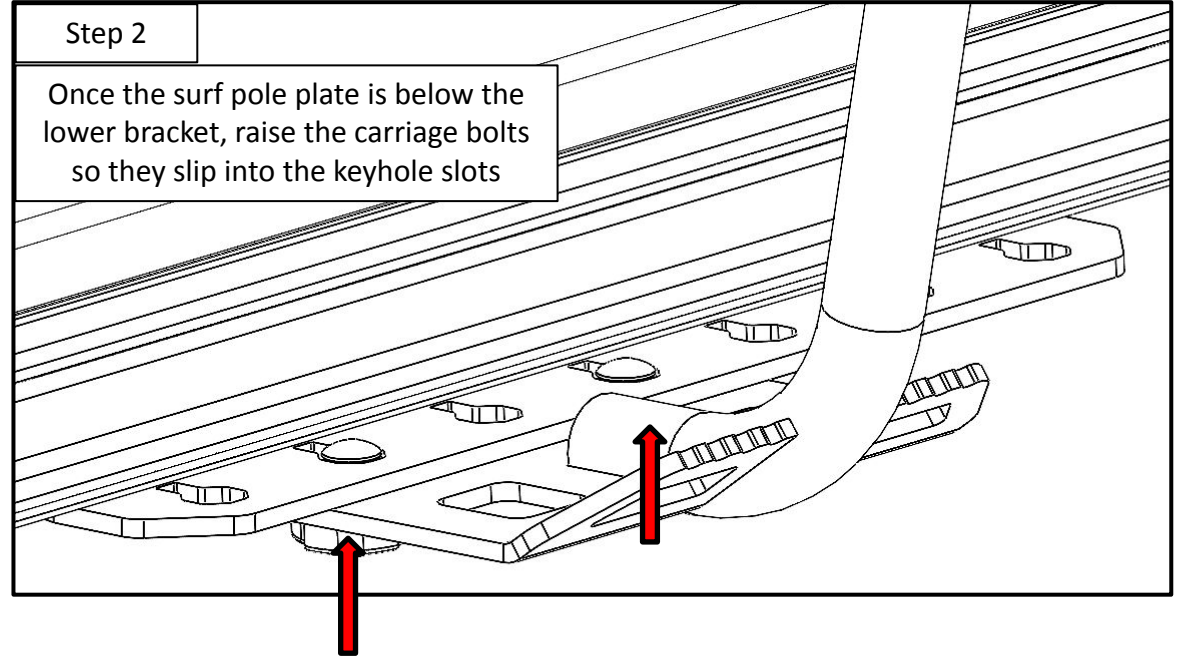
Step 1

As you rotate the pole back towards the van, line up the hardware with the respective slots



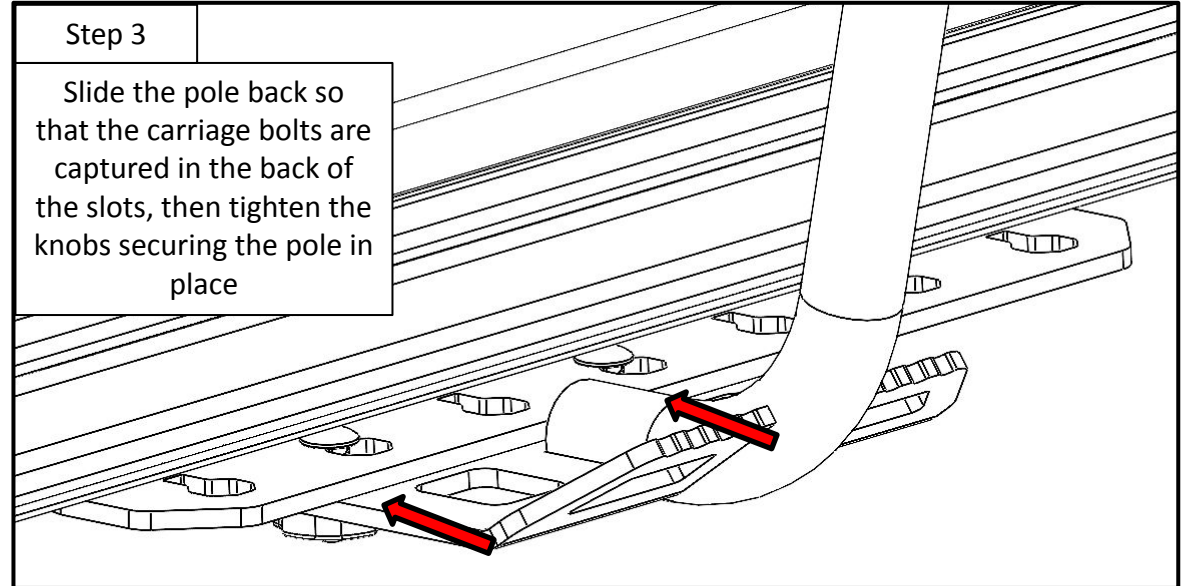
Step 2

Once the surf pole plate is below the lower bracket, raise the carriage bolts so they slip into the keyhole slots



Step 3

Slide the pole back so that the carriage bolts are captured in the back of the slots, then tighten the knobs securing the pole in place



Final position surf pole & brackets



1 x



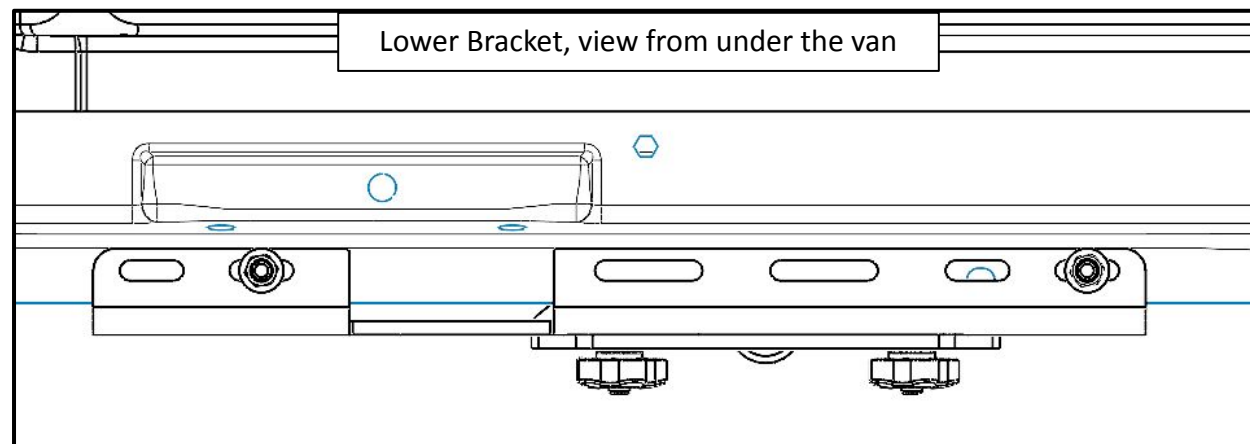
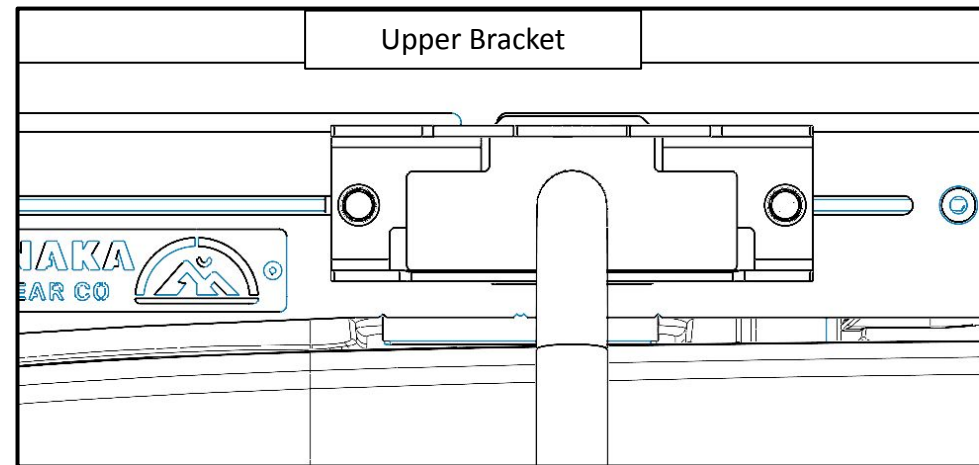
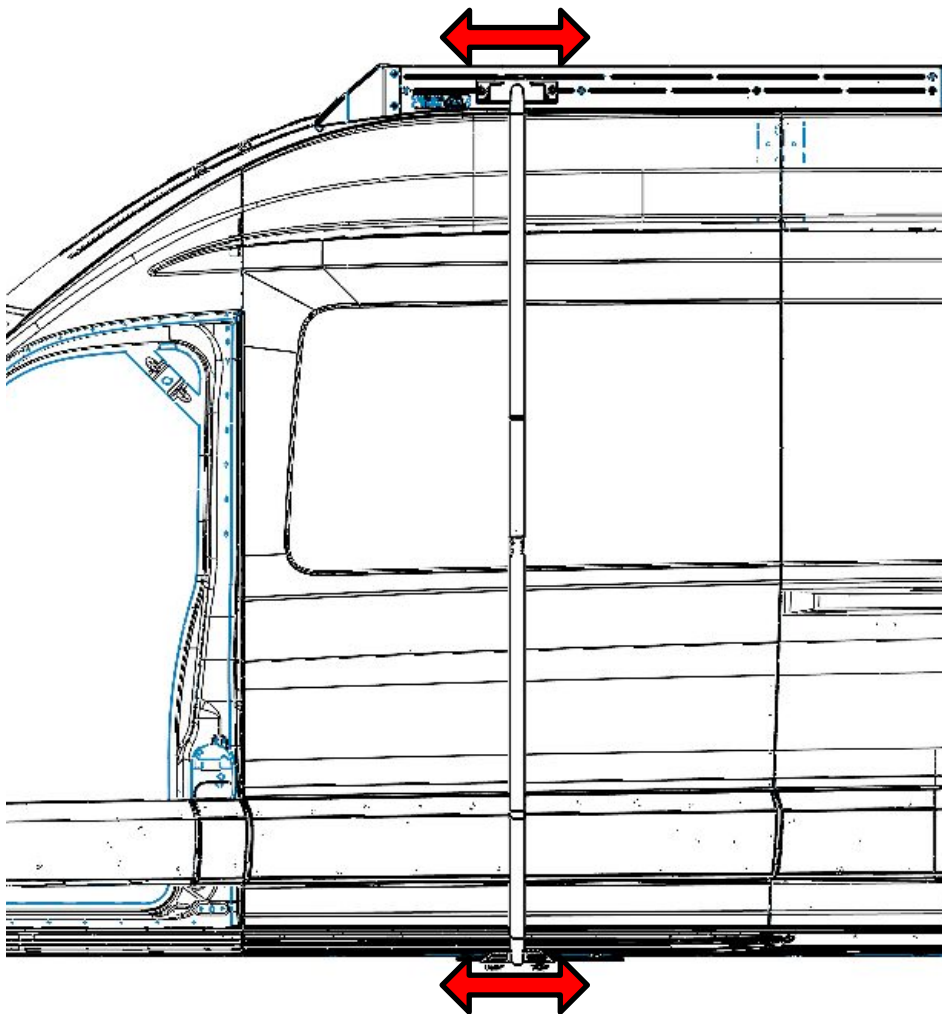
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½" Socket & Wrench



11 ft-lbs

- Using the slotted holes and 8020 channel, set final position of the upper and lower bracket as required to make sure the surf pole is plumb
- Tighten/torque the hardware for the upper and lower brackets
- Practice makes perfect! Try installing and removing the surf pole - covered in steps



Removing the surf pole

1 x 



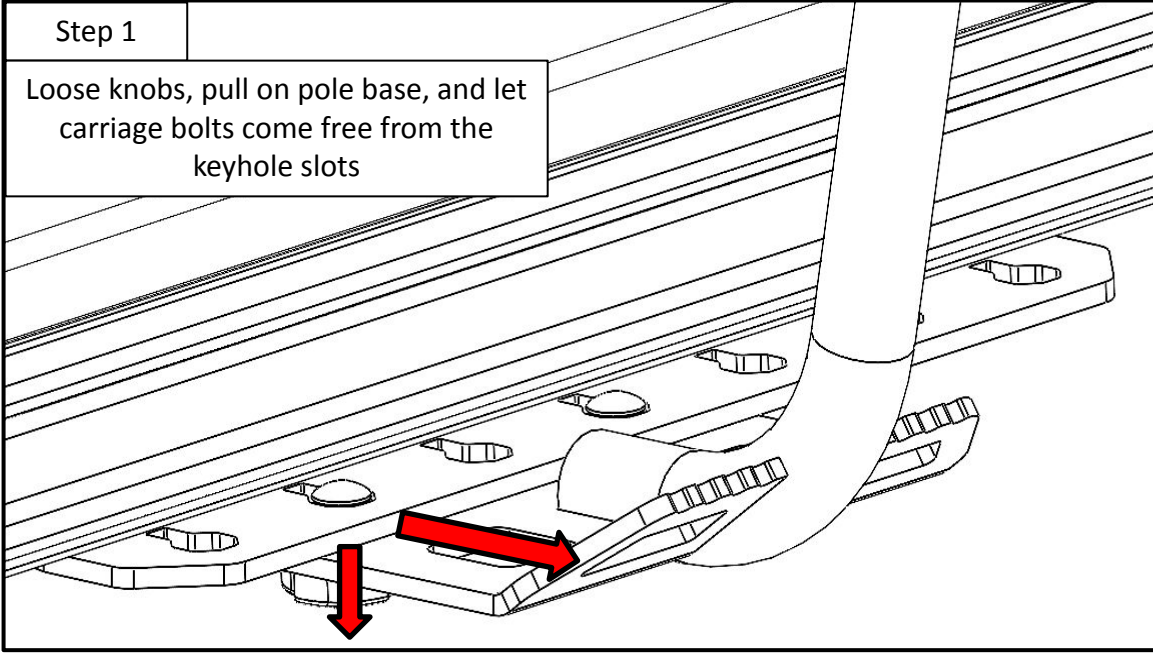
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None

 None

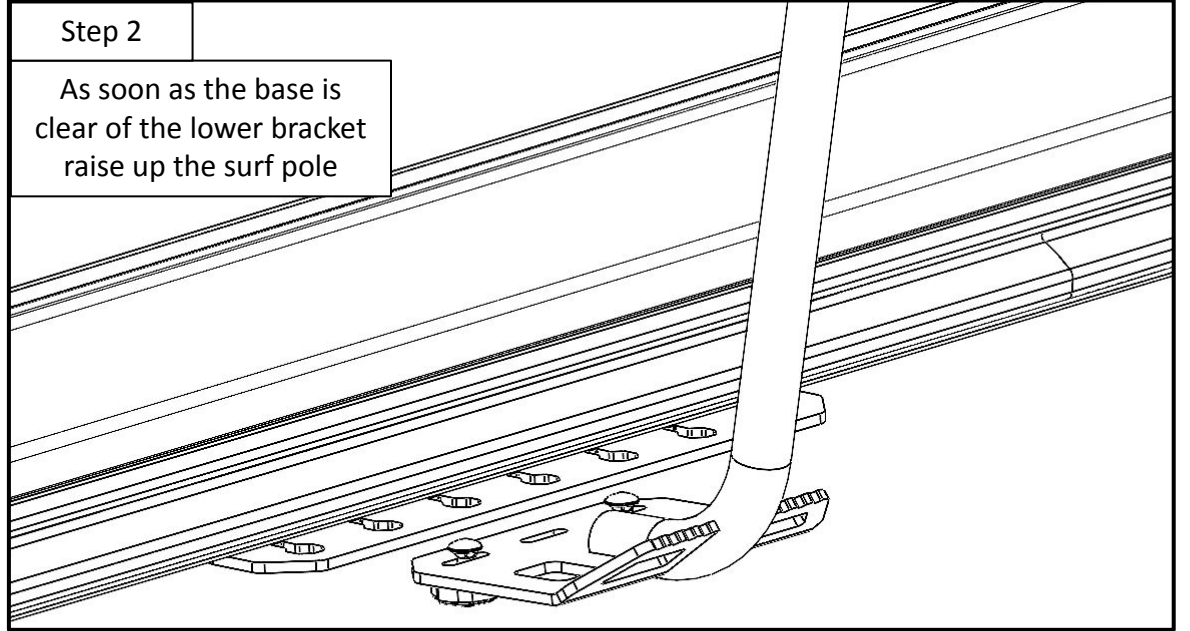
Step 1

Loose knobs, pull on pole base, and let carriage bolts come free from the keyhole slots



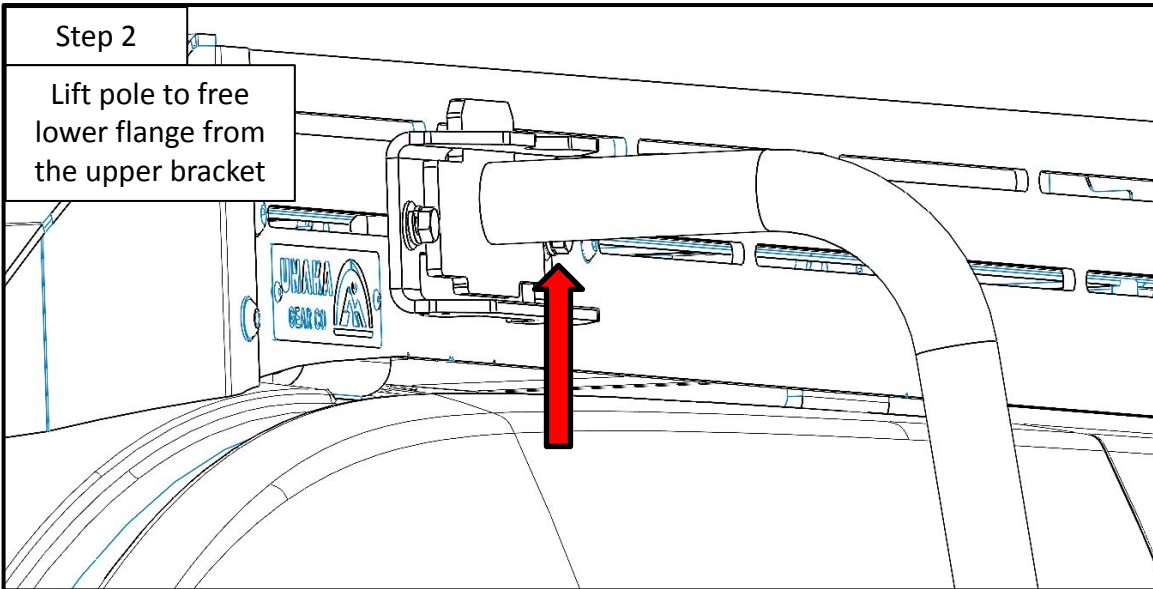
Step 2

As soon as the base is clear of the lower bracket raise up the surf pole



Step 2

Lift pole to free lower flange from the upper bracket



Step 3

Tilt pole out and remove top flange from top slot of upper bracket

