Jeep Gladiator (JT) Load Bearing Enclosure, *LBE for short.*

Visit our YouTube channel for more detail on this installation

This installation requires the use of the JT Bed Rail Attachment System (p/n JT-1515X) and must be installed first.

This installation will require the assistance of a second person.

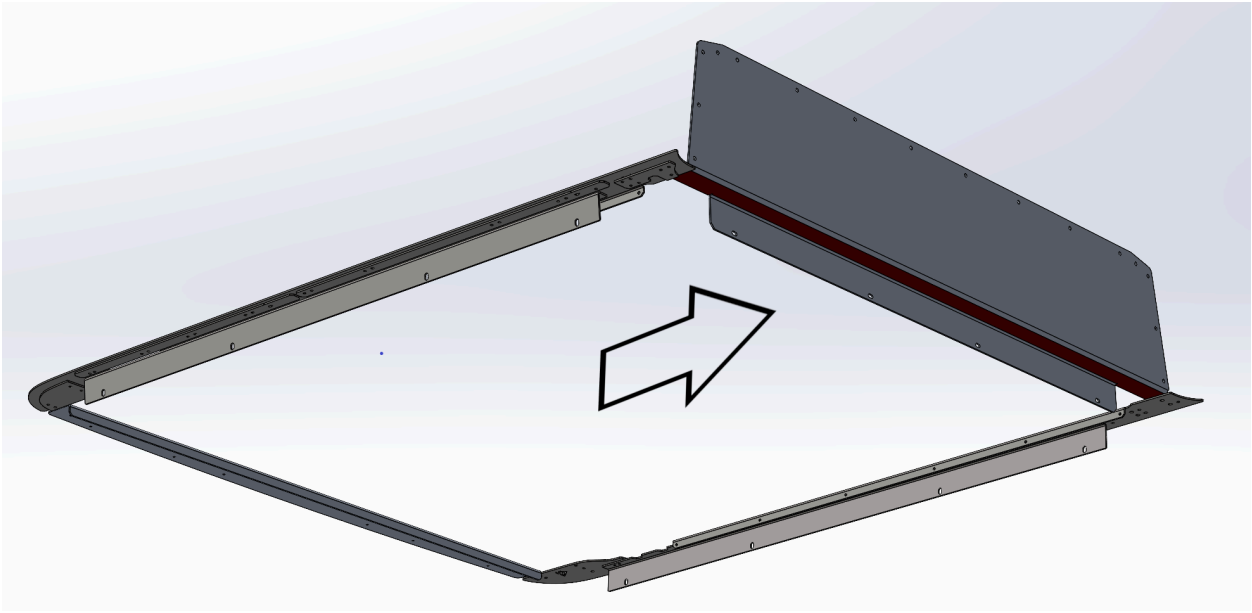
This installation requires a sizable amount of hardware. We recommend that the following tools be used for this installation.

- **Impact driver**
- **H4 allen driver bit**
- **10mm open/box end wrench**
- **13mm open/box end wrench**

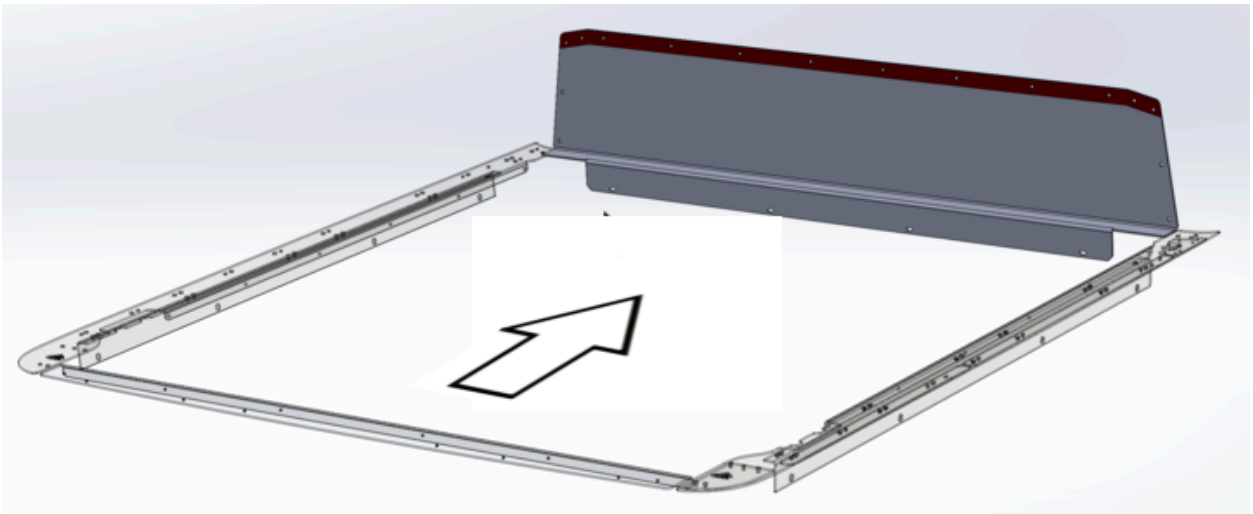
Included Hardware - *ALL HARDWARE WILL GO FROM THE OUTSIDE IN*

M6x20mm Button Head Flange bolt	270 pcs
M6x14mm Button Head Flange bolt (For Hinge)	24 pcs
M6 Nylon Locking Nut	195 pcs
M6x14mm Countersunk Flat Head screw	8 pcs
M8 Nylon Locking Nut	4 pcs
50mm x 3mm weather strip 64”	2 pcs
50mm x 3mm weather strip 54”	2 pcs
50mm x 3mm weather strip 3”	4 pcs
50mm x 3mm weather strip10”	2 pcs
25mm x 3mm weather strip 64”	2 pcs
25mm x 3mm weather strip 57”	1 pc
25mm x 3mm weather strip 54”	1 pc
25mm x 3mm weather strip 48”	1 pc
25mm x 3mm weather strip 9.5”	2 pcs
15mm x 12mm “D” shaped gasket 54”	1 pc
Latch, spring loaded	2 ea
Gas lift strut	2 ea

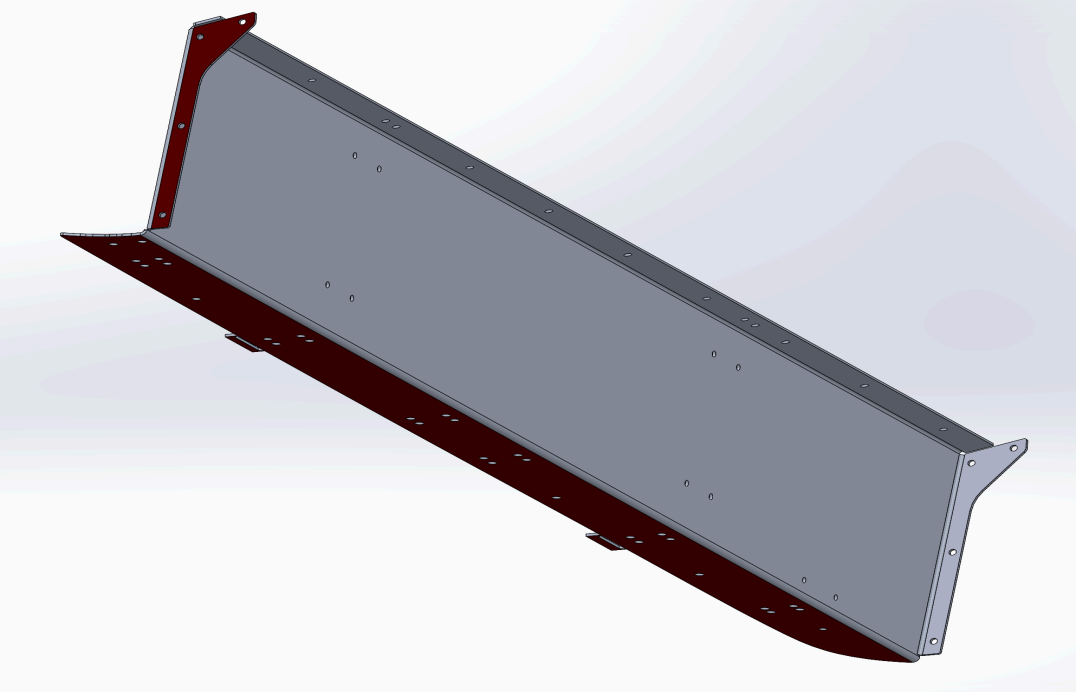
Starting with the front wall of the enclosure, take the 57” piece of the 25mm x 3mm weather strip and apply it as shown by the highlighted area. Trim as needed. Note: arrows are pointing forward, toward the cab. **Bed rail system shown for reference only.** The front panel mounts directly to the front wall of the bed.



Next take the 54” piece of 25mm x 3mm weather strip and apply it as shown to the top inside face of the front wall. This should extend the full width of the front wall.
Next, place the forward wall into position and attach with 4, M6x20mm button head flange bolts along the lower edge. DO NOT TIGHTEN. Snug and then back off a turn or two to allow some movement.

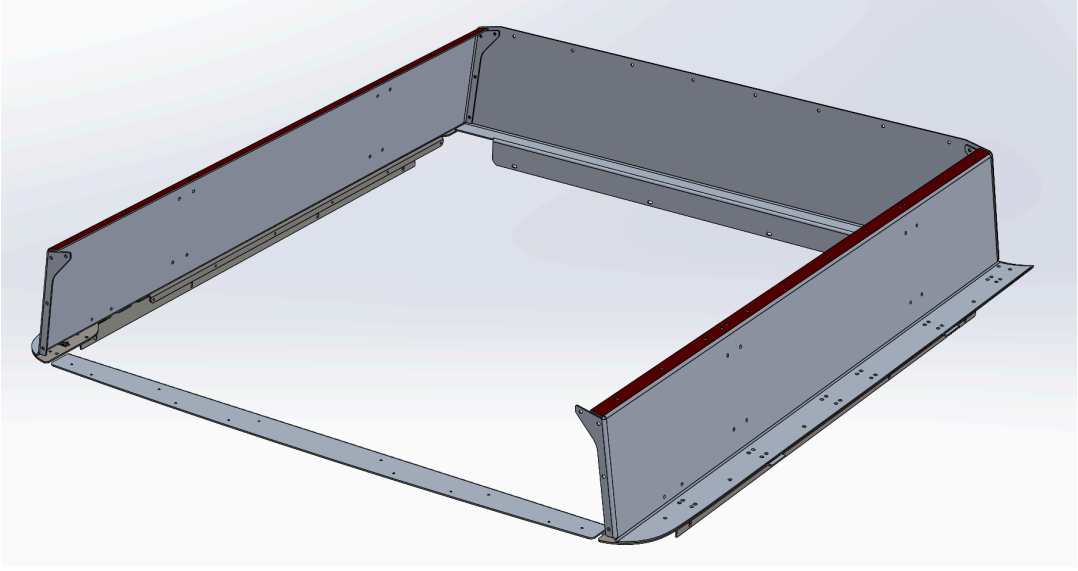


Take the driver & passenger side walls of the enclosure and the two 64” pieces of the 50mmx3mm weather strip and attach it to the underside of the enclosure wall as shown by the highlighted area. Take the 9.5” pieces of the 25mmx3mm weather strip and attach it to the front edge of the side wall where it will contact the front wall. Trim as needed.



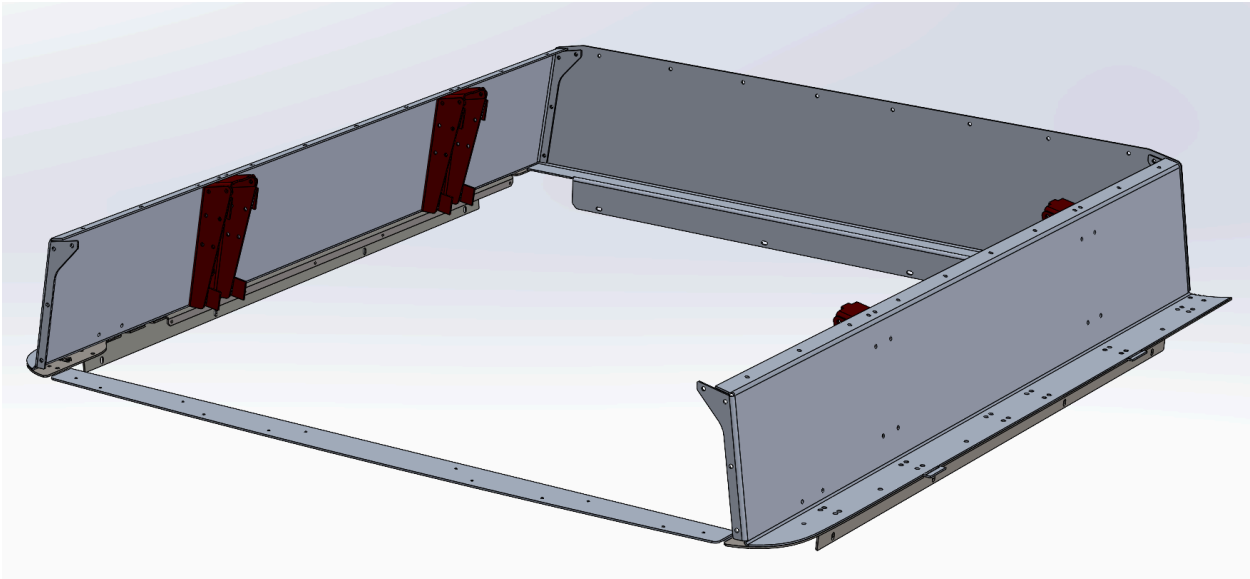
Take the driver's side wall and lay it into position and install 25 of the M6x20mm Button Head screws through the wall’s base flange and into the bed rail attachment system. Install the 4, M6x20mm button head flange bolts through the face of the front wall and install 4, M6 nylon locking nuts. Leave loose. Do the same for the passenger side.

Take the two, 64” pieces of 25mm x 3mm weather strip and attach them to the top of the driver and passenger walls where the roof panels will lay.

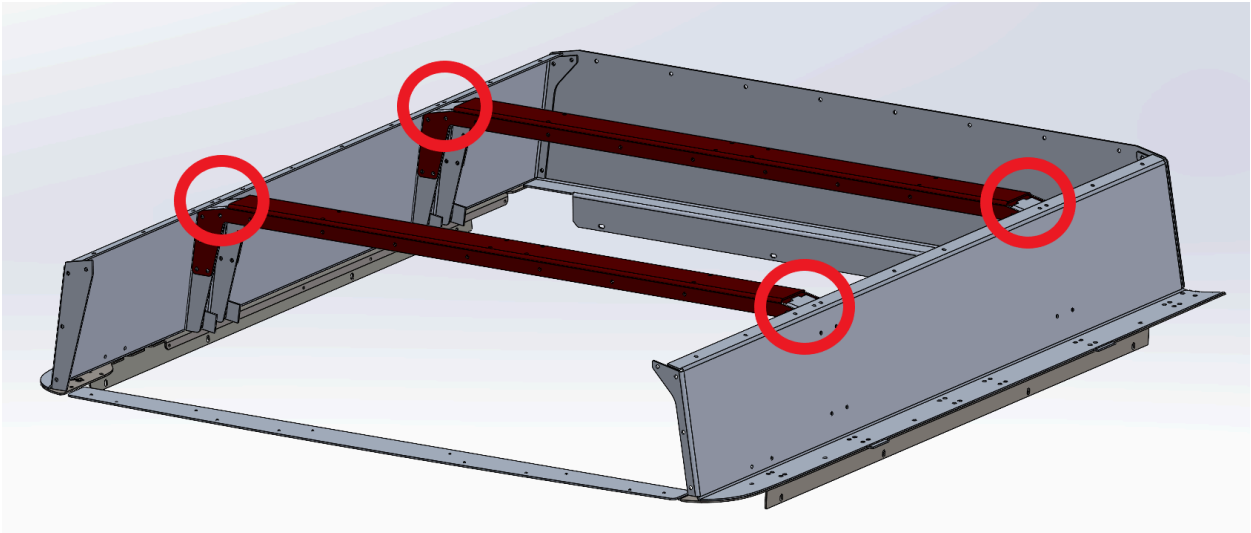


Time to build the inner supports

Take the four inner uprights, two C channel cross bars and the front and rear support braces and assemble as shown using the supplied hardware. The hardware will pass through the outer wall into the braces. Again leave this hardware loose enough to allow for some movement. We will tighten everything at the end.



Place the supports between the walls and loosely attach them to the side walls with the supplied hardware.

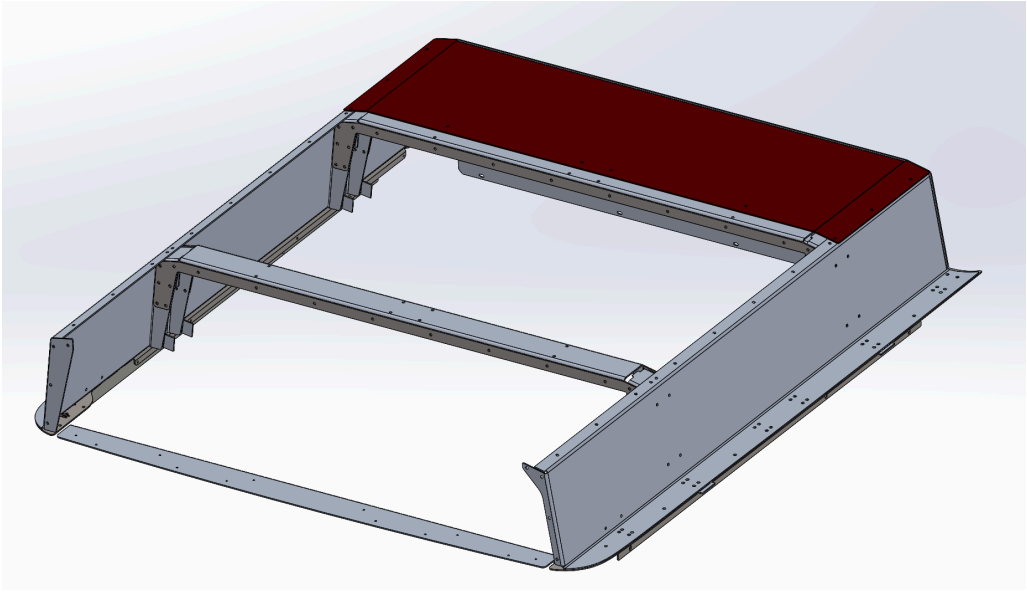


In the area that is circled (4 in total) take the four 3”pieces of 50mm x 3mm weather strip and place them on the angled portion of the brace. Now take the two 54” pieces of the 50mm x 3mm weatherstrip and place it on top of each of the C channels centered between the mounting holes in the top of the channel. Each end will overlay the 3” piece.

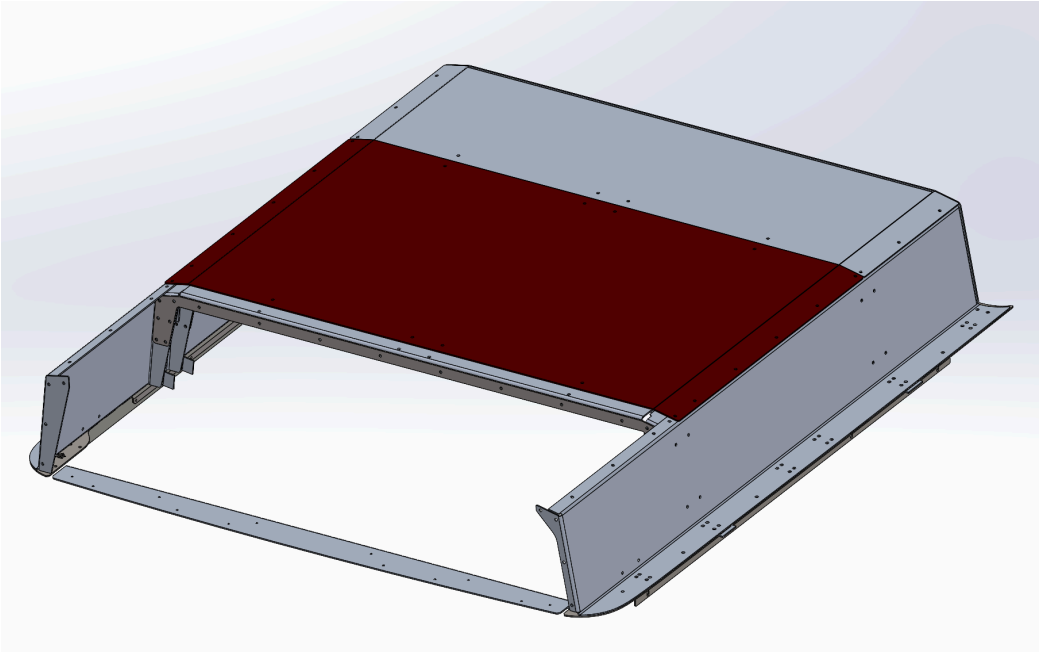
Roof Panels

If you are installing the outer rail system, let's install those parts now. Let's jump down to Page 10

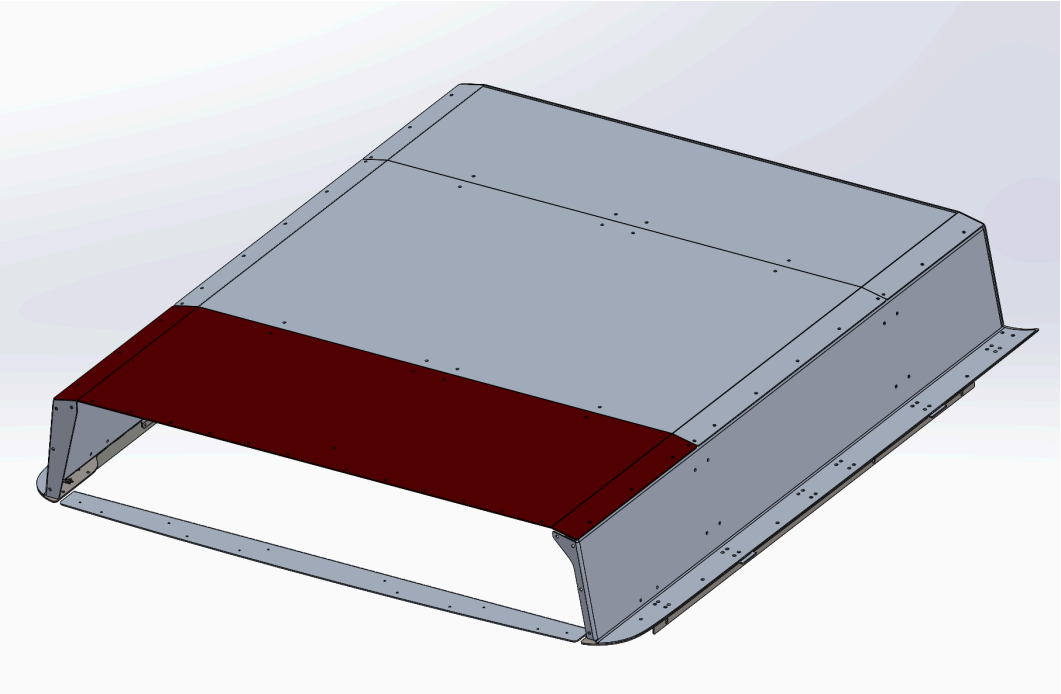
Now we can lay the roof panels down, starting at the front, install eight of the M6x20mm button head flange bolts and M6 nylon locking washers in the front and the ten bolts and nuts on the top. DO NOT FULLY TIGHTEN.



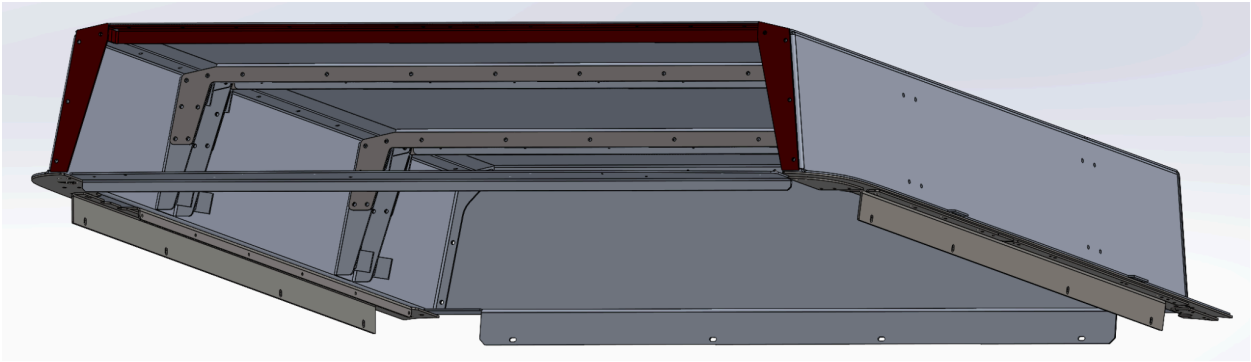
Lay the mid panel on and do the same.



Lay the rear panel on and do the same.



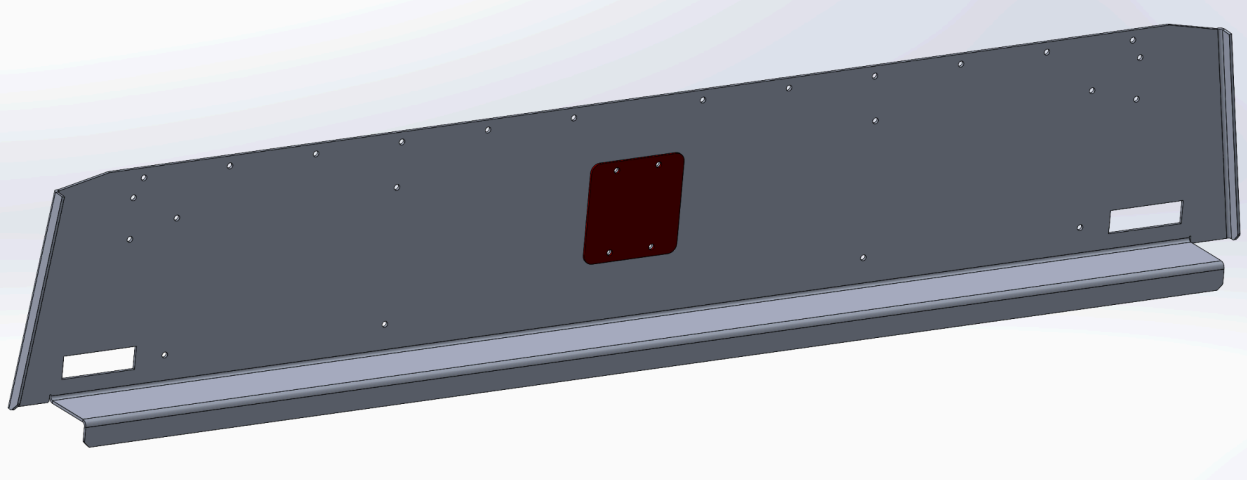
On the back of the rear roof panel and side panels, install the angled corner pieces and hinge support as shown. The angled corner piece will utilize the M6x14mm Countersunk Flat Head screw and M6 nylon locking nut. Leave loose and install the hinge to the hinge support and ultimately the back of the rear roof panel with the twelve, M6x14mm button head flange bolt and M6 nylon locking nut.



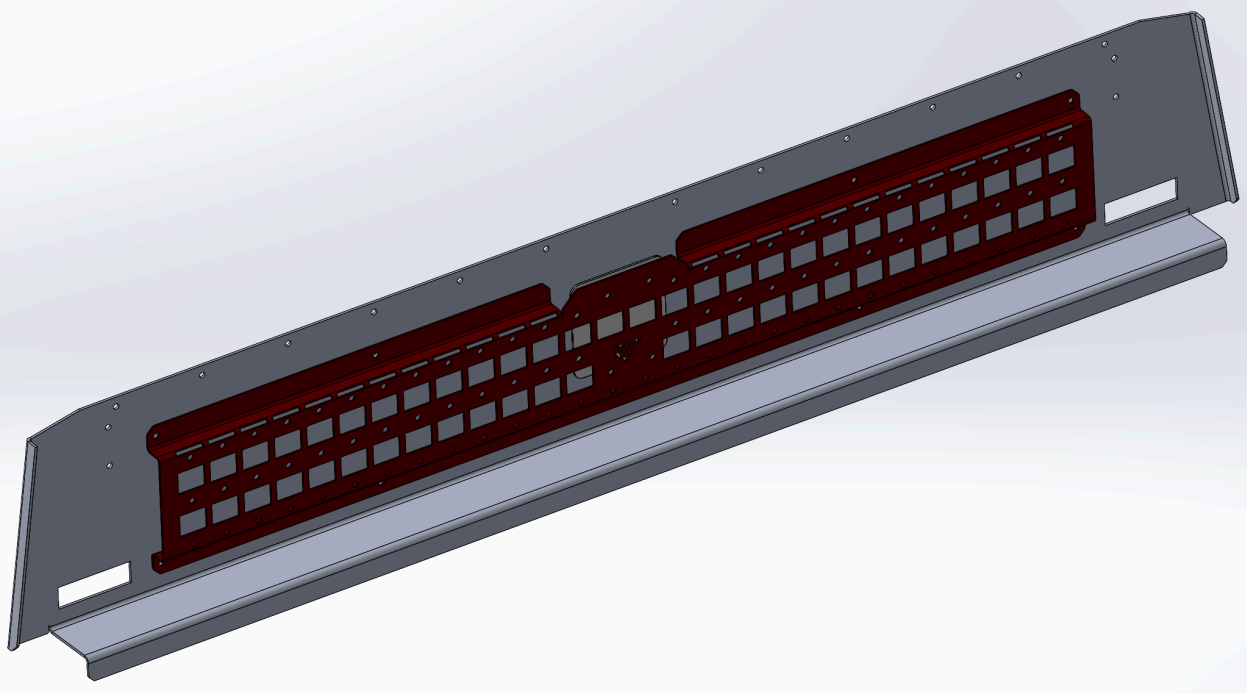
OK, let's tighten everything. There’s a lot of hardware so start at the front and work your way back towards the rear.

Almost there...

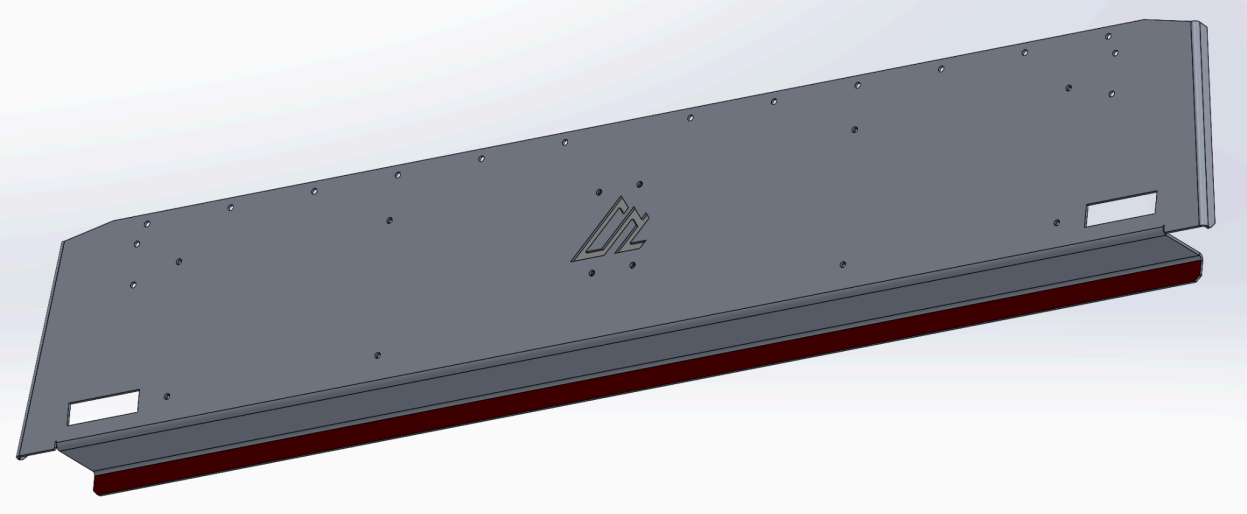
Assemble your logo backplate to hatch using the four supplied M6x20mm button head flange bolt and M6 nylon locking nut.



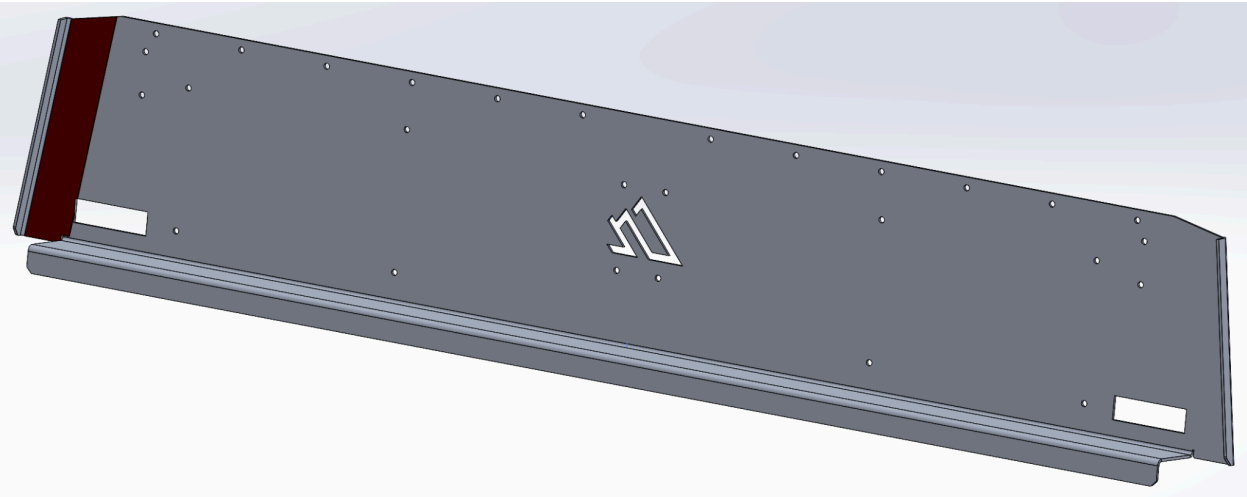
Assemble the Molle panel to the inside of the hatch so that when the hatch is open the logo is rightside up. Do this with the eight supplied M6x20mm bolts and nylon locking nuts



Affix the 54” D shaped gasket to the hatch as shown.

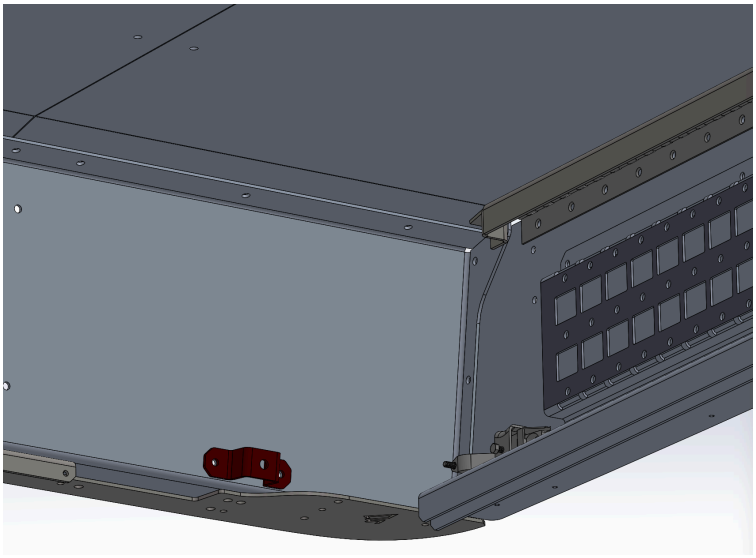


Affix the 2 10” long pieces of the 50mm x 3mm weather strip to the inside of the hatch where it contacts the 2 triangular braces left and right of the hatch opening as shown. Trim as needed.



Let’s assemble the brackets to the struts. The aluminum bracket will mount to the body end of the strut and the shaft end will mount to the “L” shaped bracket. Do this for both with the supplied M8 nylon locking nut. The “L” bracket will mount to the hatch.

The aluminum bracket mounts as shown.



Assemble the hinge to the enclosure using another M6x14mm button head flange bolts, the hatch to the hinge and the struts to the hatch and enclosure and tighten.

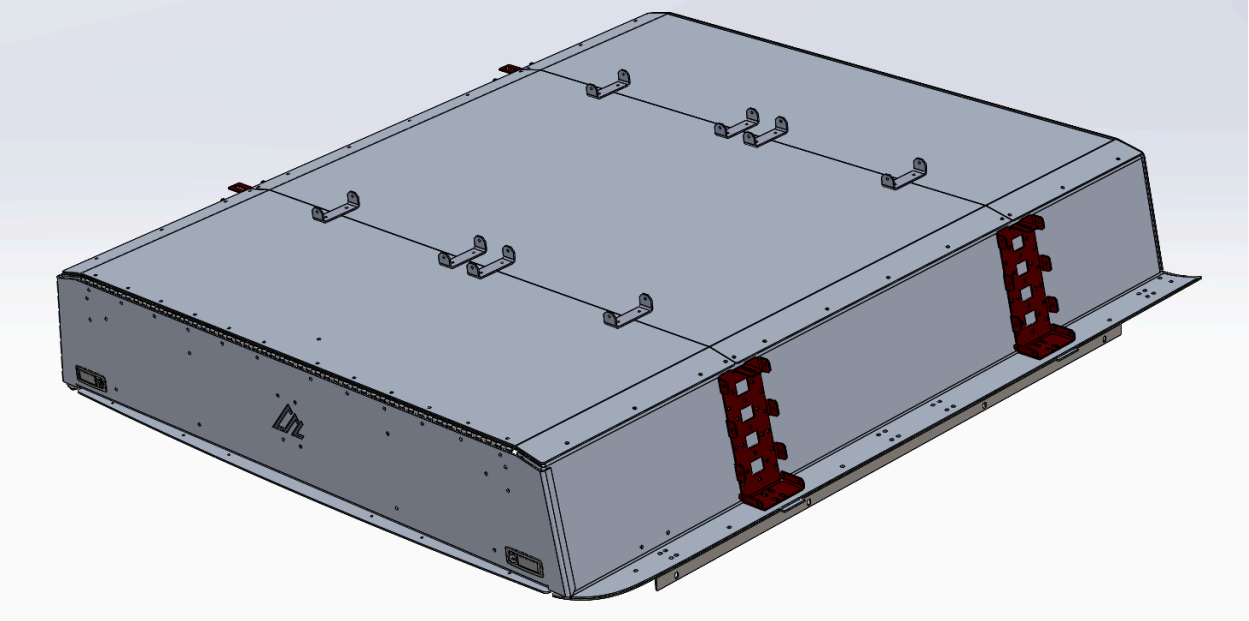
Assemble the latches so that the strikers are pointed outward. These will need to be adjusted so that the hatch is snug when closed. To do this loosen the locking nut on the adjuster bolt and move it in or out depending on the desired tightness. Once set, tighten the lock nut.

Congratulations, you are all done! (or are you...)

Optional Bed Rail Installation – Now the options are endless!

We are going to install the roof as described, however instead of the hardware going down through the top they will go up and into the threaded “U” brackets that will hold the outer rails.

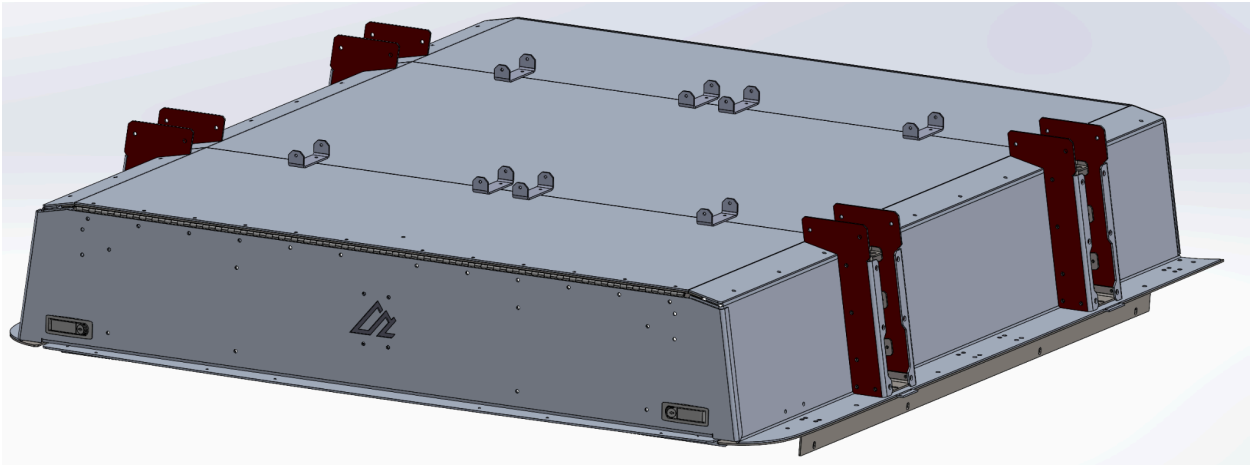
First let’s install the outer uprights. This is where the second person comes in handy to help start, hold and tighten hardware. These will mount on the opposite side of the wall from the four inner uprights previously installed. They will remain, simply remove the hardware from the flange on the top of the bed rail and the inner uprights, place the outer uprights on the outer wall and re-insert the hardware. Both uprights will sandwich the wall. Re-install the bolts through the upright and into the bed rail. Do this for all four.



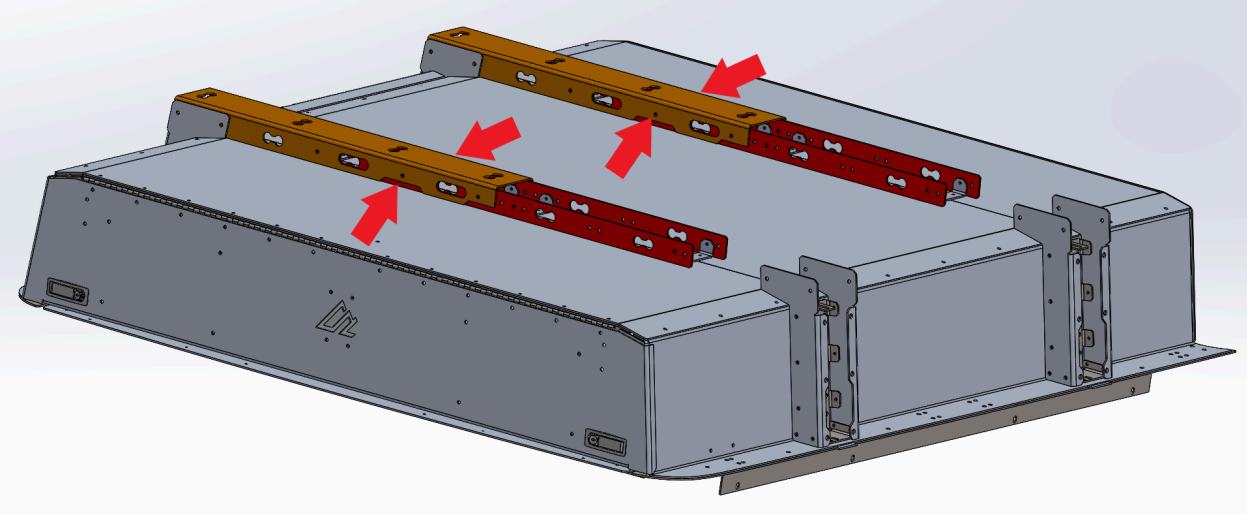
Lay each of the roof panels on starting with the forward panel and install all of the perimeter bolts and nuts once all three are in place and loosely bolted we will go back and install your Outer rail connection kit (p/n JT-xxx-x). This will consist of 8 U brackets as shown.

Those bolts will go up through the inner C channel through the panel and into the threaded U bracket. We will also leave this loose.

Now install the side braces to the outer uprights as shown.



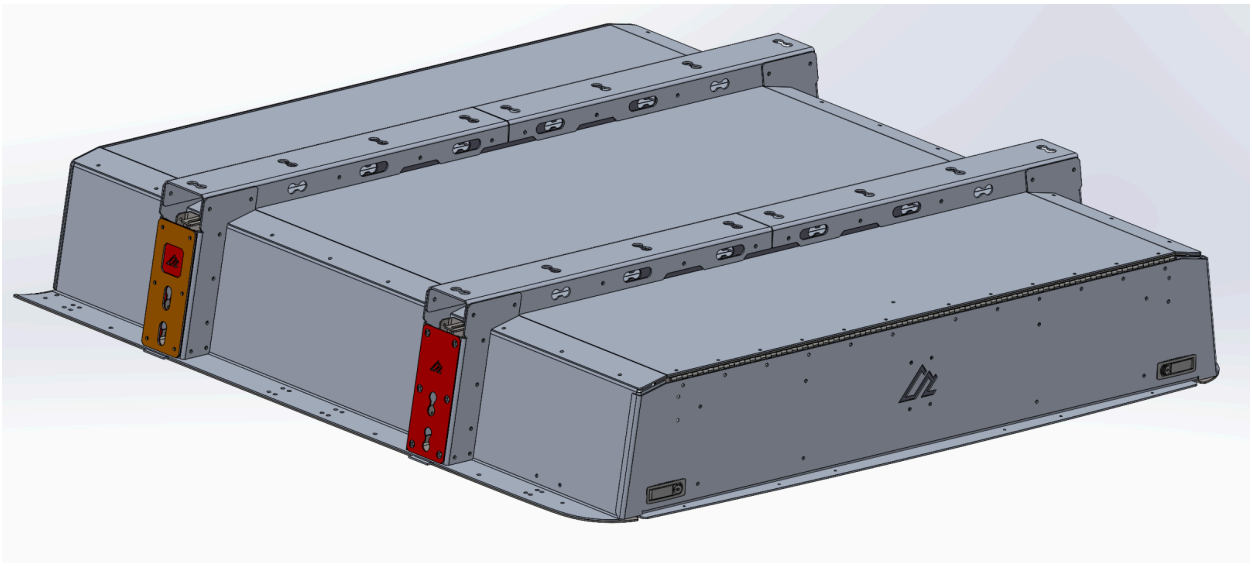
Next, take the four outer U channels and four stiffening braces and assemble with the supplied hardware in the holes indicated by the arrows. Do this for the opposite U channels as well and tighten.



Lay the completed U channel over the U brackets previously installed on the roof and between the side braces previously installed and insert the supplied hardware and tighten.

This completes the outer rail install and can move back up to the bottom of **Page 6** and the installation of the hinge mount.

Once everything is tight you can go back and install your logo plates and covers.



It is finished!

For now