



Instructions

FORD RANGER BED MOLLE PANELS

Thank you for purchasing your Bed MOLLE Panels from AAL! We greatly appreciate your trust in our company. We take that purchase and your commitment to us very seriously. If you have any questions along the way, please don't hesitate to give us a call at 385.202.4188.

****Please read these instructions thoroughly before starting this project.****

****These instructions will cover the installation of the front, driver's, and passenger's side bed MOLLE Panels. If you only purchased one or two of the three, scroll to the instructions for your specific panel(s).****

Tools/Components Required:

There is more than one tool for every job, but below is the list of tools we use for this teardown/installation.

- 4mm Allen Wrench/Socket
- 5mm Allen Wrench/Socket
- 10mm Wrench
- TP40 Socket

What's Included

Front Bed MOLLE Parts:

| | | | |
|-----------------------------|---|------------------------|---|
| Main Panel - Driver | 1 | Side Mount - Driver | 1 |
| Main Panel - Passenger | 1 | Side Mount - Passenger | 1 |
| Main Panel Connector (Logo) | 1 | Lower Connector Brace | 1 |

Driver's Side Bed MOLLE Parts:

| | | | |
|---|---|--------------------------------------|---|
| Main Panel - Driver Front | 1 | Main Panel Connector - Driver (Logo) | 1 |
| Main Panel - Driver Rear (Solid or Power Panel) | 1 | Upper Connector Brace | 1 |

Passenger Side Bed MOLLE Parts:

| | | | |
|------------------------------|---|---|---|
| Main Panel - Passenger Front | 1 | Main Panel Connector - Passenger (Logo) | 1 |
| Main Panel - Passenger Rear | 1 | Upper Connector Brace | 1 |

Front Bed MOLLE Hardware:

| | | | |
|---------------------------|----|----------------------------------|---|
| M6x14mm Button Head Bolts | 18 | M8x20mm Button Head Flange Bolts | 2 |
| M6 Nylon Insert Nuts | 18 | M8 Flat washers | 2 |

Side Bed MOLLE Hardware (Per Side):

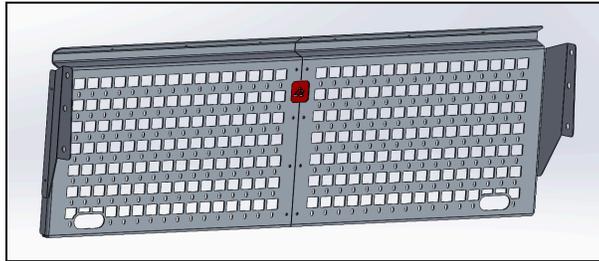
| | | | |
|----------------------------------|----|---------------------------|----|
| M6x14mm Button Head Bolts | 10 | M8x20mm Button Head Bolts | 2 |
| M6x14mm Button Head Flange Bolts | 4 | M8 Flat Washers | 2 |
| M6 Rivet Nuts | 4 | M6 Nylon Insert Nuts | 10 |

Part Overview and Prep

First lets review images of all the necessary parts to ensure we have everything we need for the installation.



Front Bed MOLLE Parts:



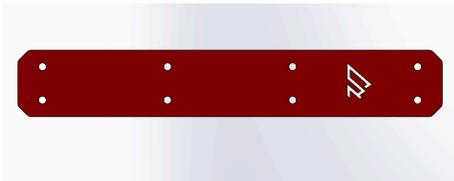
Driver Front Panel (1):



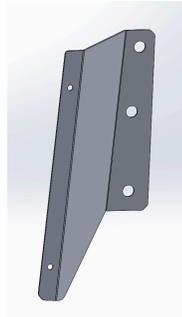
Lower Connector Brace (1):



Vertical Connector (1):



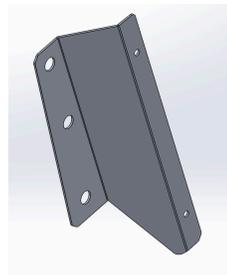
Passenger Bottom Brace (1):



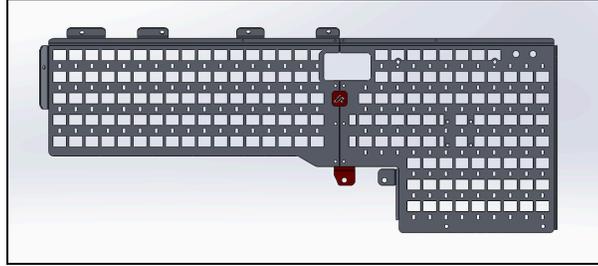
Passenger Front Panel (1):



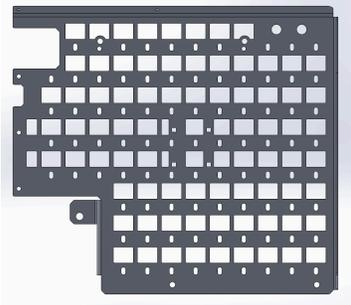
Driver Bottom Brace (1):



Passenger Side Bed MOLLE Parts:



Rear Passenger Side Panel (1):



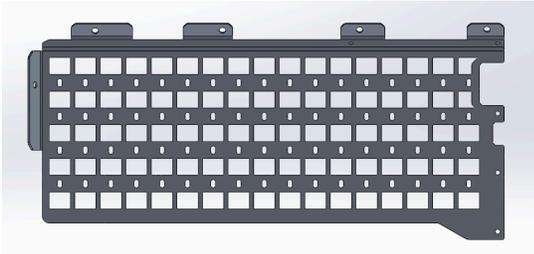
Main Panel Connector (1):



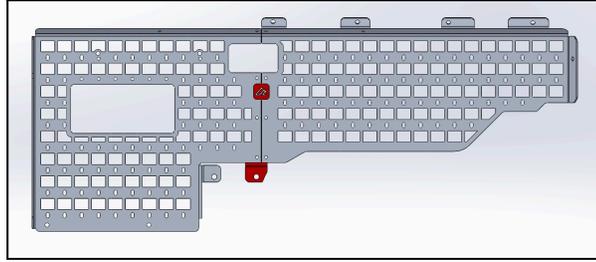
Upper Connector Brace (1):



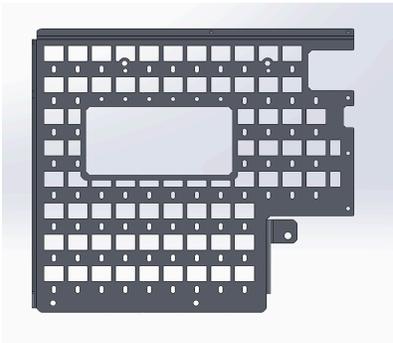
Front Passenger Side Panel (1):



Driver Side Bed MOLLE Parts:



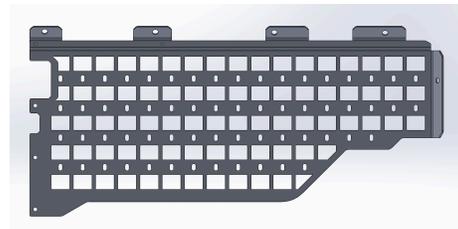
Rear Driver Side Panel Power Configuration (1):



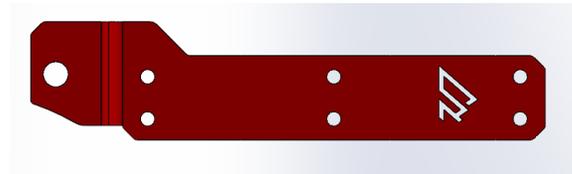
Rear Driver Side Panel Default configuration (1):



Front Driver Side Panel (1):



Main Panel Connector (1):



Upper Connector Brace (1):



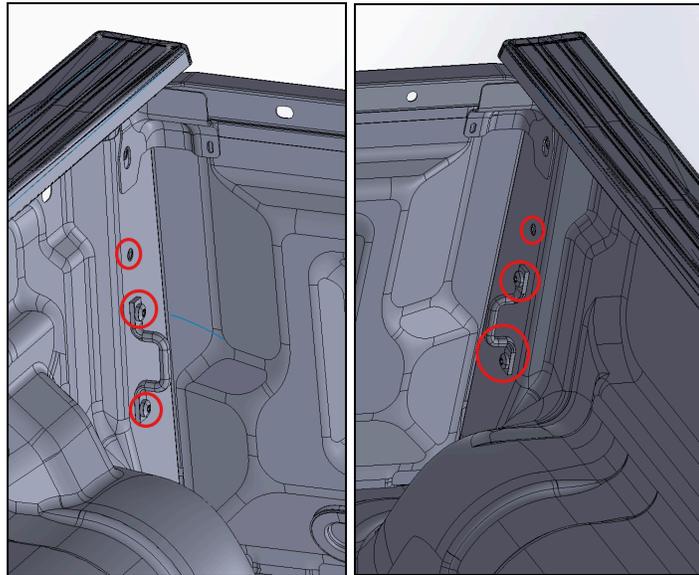
Teardown

Front Molle Panels:

Remove the OEM tie downs using a TP40 socket and any bolts on the front of the bed on the passenger and driver side where shown below. Save OEM hardware. *If your Ranger has a spray-in bed liner, it makes it easier to remove these bolts if you cut the liner away from the bolt heads with a razor knife.*

Driver's Side

Passenger's Side

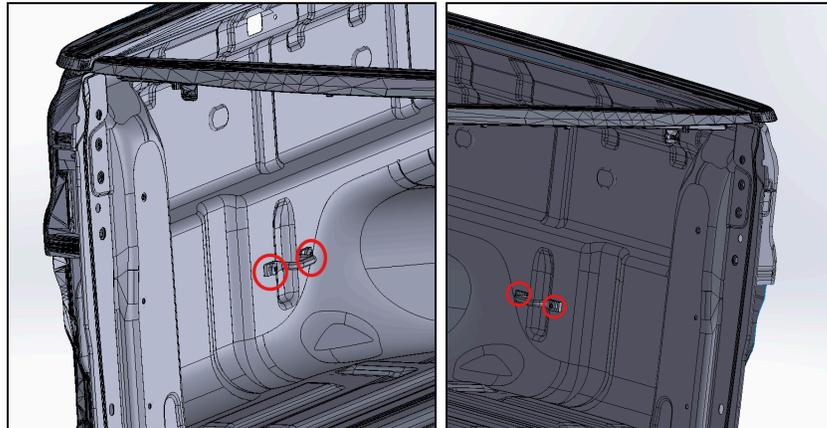


Side Molle Panels:

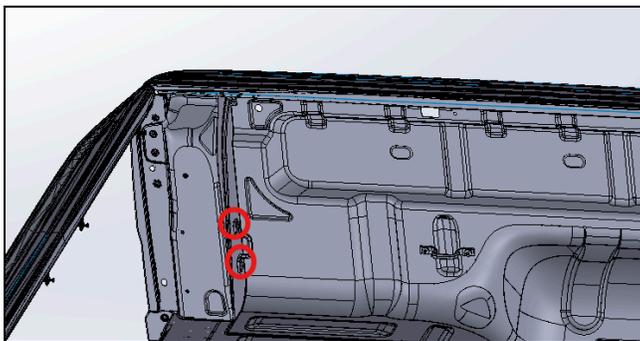
Remove the OEM tie downs using a TP40 socket where shown below. Save OEM hardware. *If your Ranger has a spray-in bed liner, it makes it easier to remove these bolts if you cut the liner away from the bolt heads with a razor knife.*

Driver's Side

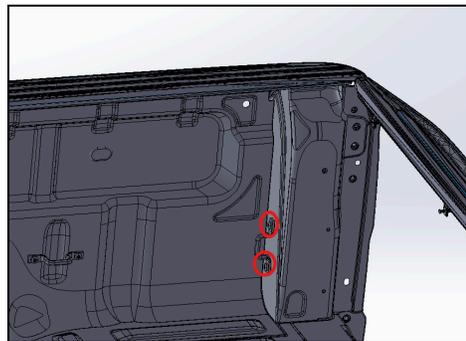
Passenger's Side



Driver's Side



Passenger's Side

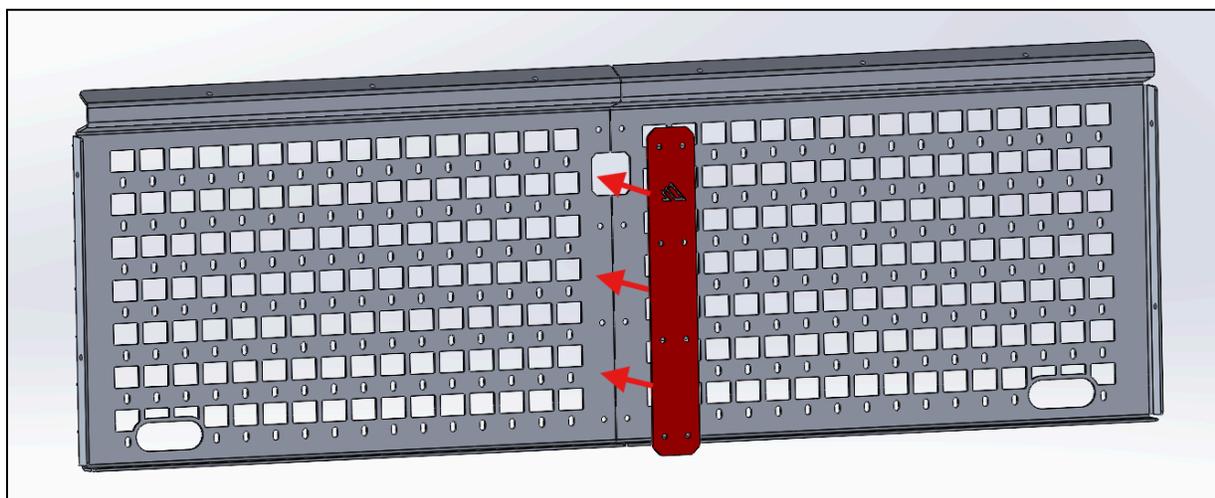


FRONT PANEL ASSEMBLY

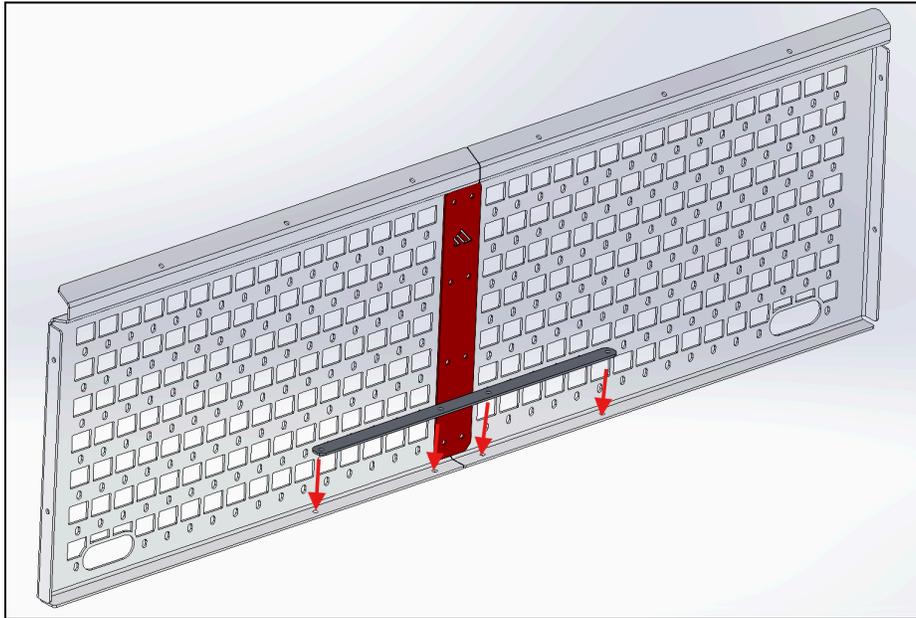
****If you didn't purchase the Front Bed MOLLE Panels, skip ahead to the Driver and Passenger Side Assemblies.****

Step 1 - Assemble the Front MOLLE Panels

Assemble the Front Passenger and Front Driver Panels using the Vertical Connector Bracket and (8)M6x14 button head bolts and nuts. Tighten. *Note the orientation of the AAL logo. The image below shows the back side of the panel, so the logo is shown backward. The bolts will be installed from the show side of the molle panels (Opposite side shown below.)*



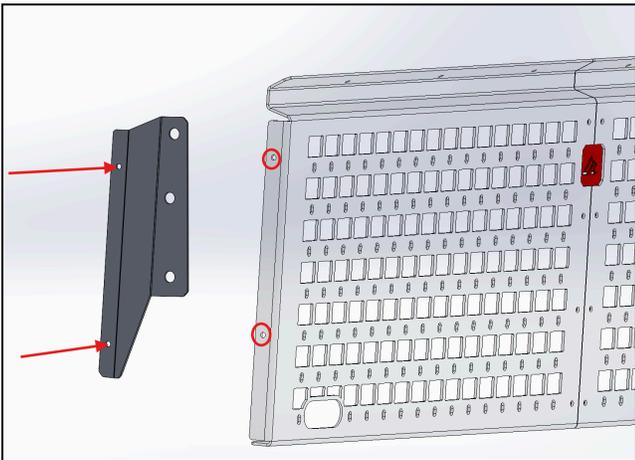
Next bolt the lower connector brace to the two panels using (4)M6x14mm Button Head Bolts and nuts. *The bolts should be inserted from the bottom.*



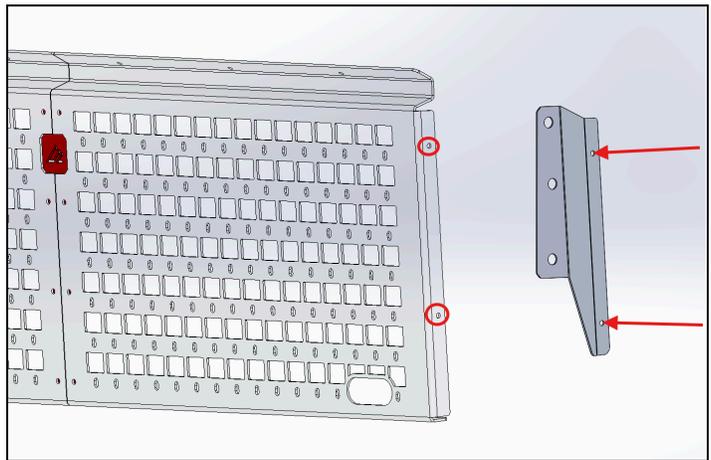
Step 2 - Attach the Mounting Brackets

Align the driver side brace with the two holes on the driver side flange of the front panel and bolt together using (2) M6x14mm Button Head Bolts and nuts. *The braces should be oriented where they extend away from the main panels and upward from the floor of the vehicle as shown below.*

Driver's Side

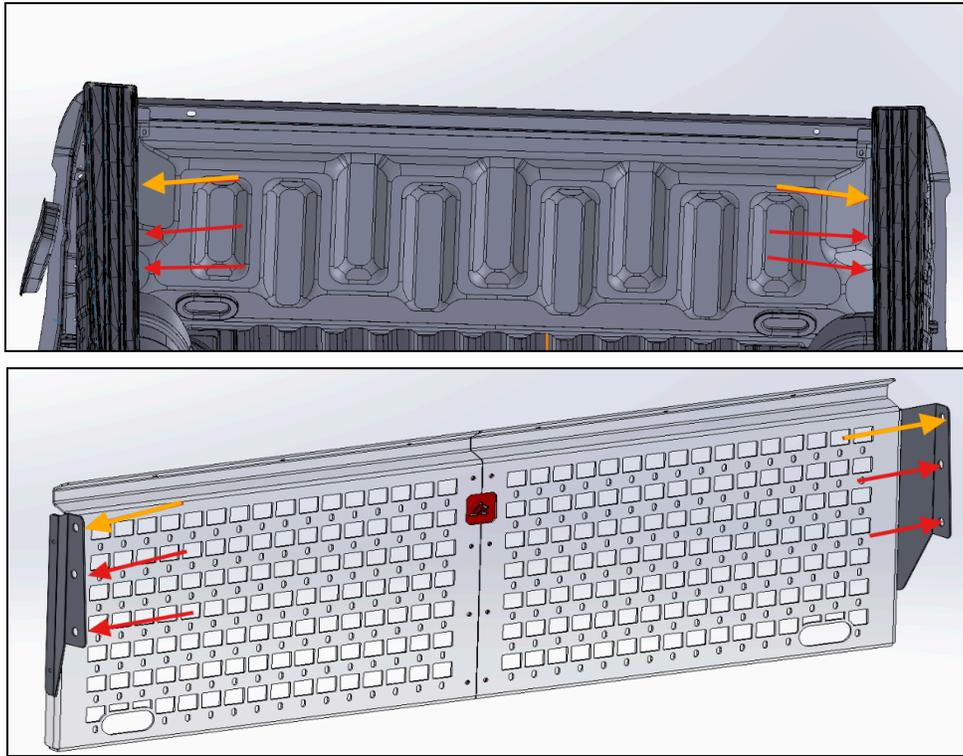


Passenger's Side

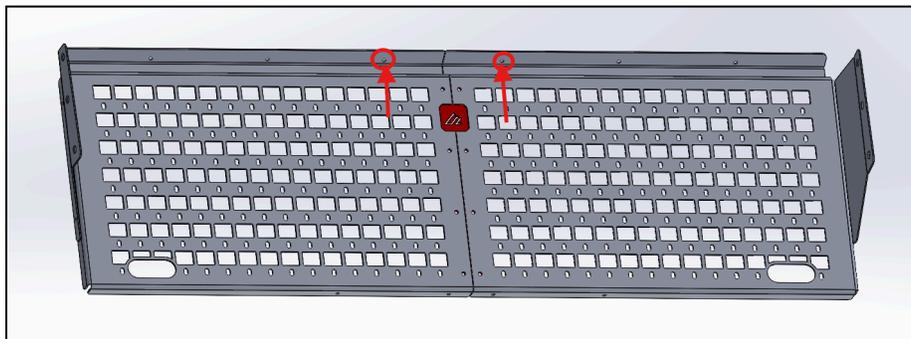


Step 3 - Install Front Molle Panel Assembly

Bring the Front Molle Panel assembly into the bed of the truck and slide it to the front of the bed. Align the 3 holes outlined earlier with the mounting brackets on both sides and fasten using the (2)OEM tie down bolts in the two lowest holes, and an (1)M8x20mm Button Head Bolt (orange) on the top hole. *Note: The factory tie downs CAN be reused if you'd like to reinstall them. Note: Leave all mounting hardware loose until every bolt is started.*



Finally use (2)M6x14mm Button Head Bolts and nuts to fasten the top edge flange of the front panels to the truck bed through the holes shown below. *Note: Leave all mounting hardware loose until every bolt is started.*



Once all bolts are started, you can now go around and tighten them all. *We recommend using a medium strength thread locker on all hardware without nuts.*

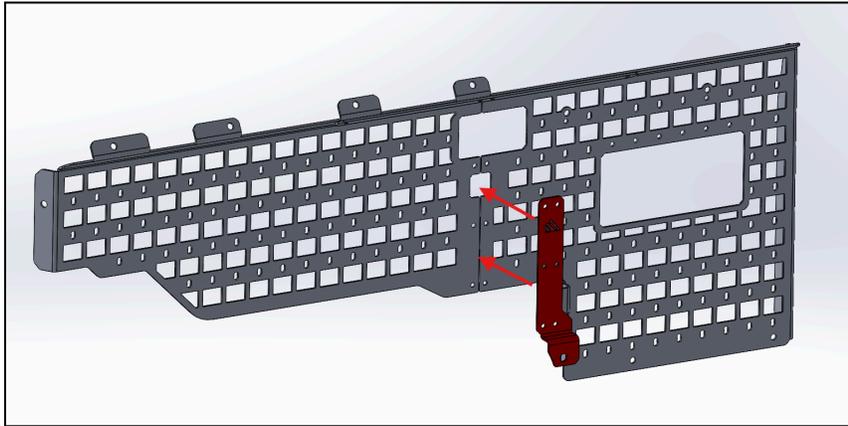
This completes the installation!

SIDE BED MOLLE ASSEMBLY

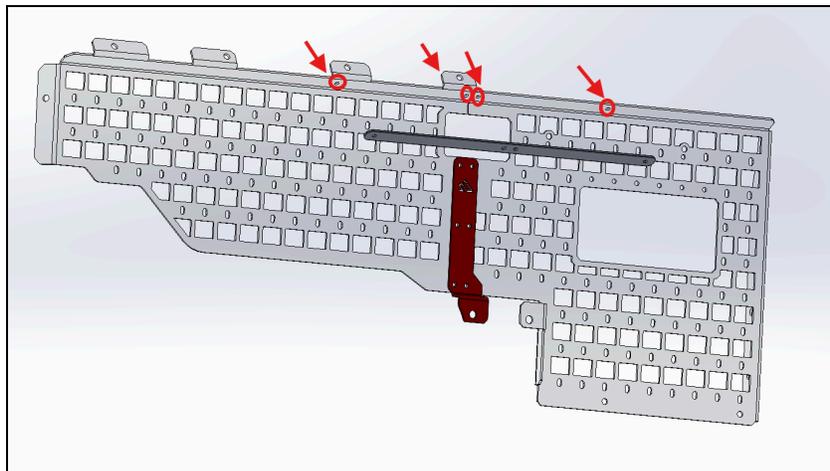
****If you didn't purchase the Side Bed MOLLE Panels, skip this section. Note that the assembly process is identical for both the driver and passenger side. We'll use the driver side as an example.****

Step 1 - Assemble the Side MOLLE Panels

Assemble the Front and Rear Side Panels using the Main Panel Connector and (6)M6x14 button head bolts and nuts. Note the connector bracket orientation. Driver's side Power panel configuration shown below, but assembly will be the same for either configuration. *The image below shows the back side of the panel, so the logo is shown backward. The bolts will be installed from the show side of the molle panels (Opposite side shown below.)* Note: Leave all mounting hardware loose until every bolt is started.

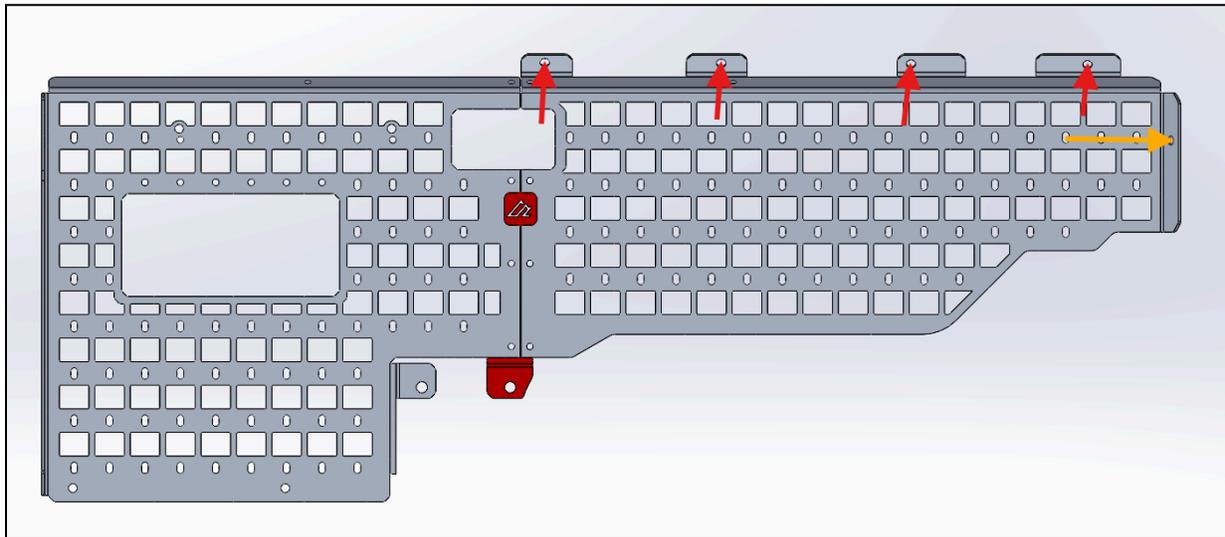


Finally, using (4)M6x14mm button head bolts and nuts, bolt the upper connector to the back of the panel through the front face as shown below.

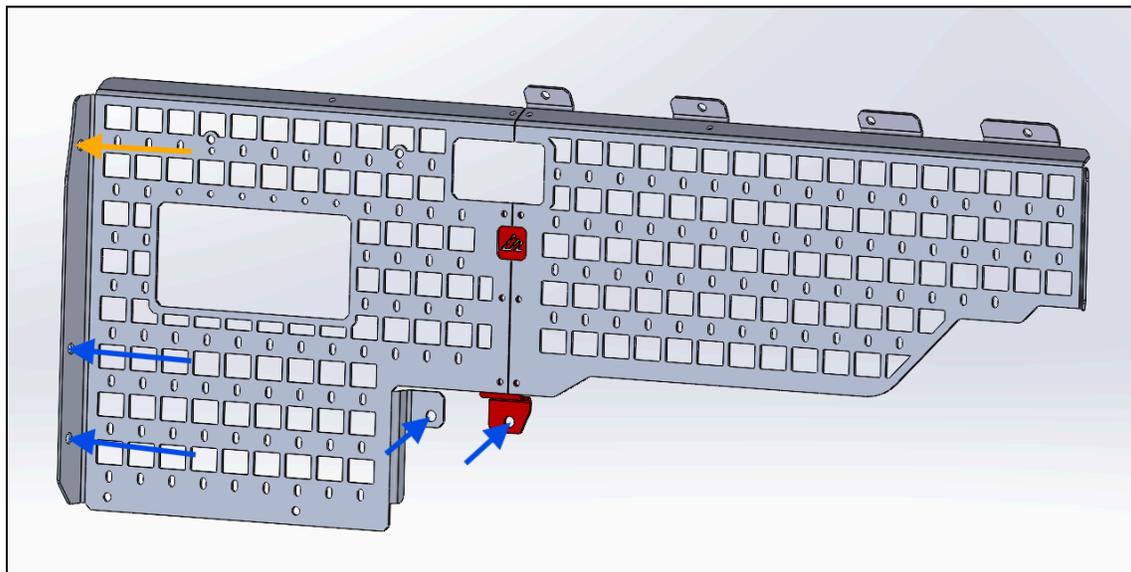


Step 2 - Install Main Side Panels

Move the assembly into the applicable side of the bed. Align the (4) upper tabs with the OEM threaded holes just under the bed rail as well as the (4) OEM tie down mounting locations and fasten using (4) M6x14mm Button Head Flange Bolts (red arrows) and (1) M8x20mm Button Head Bolt and (1) M8 washer (orange arrows). *Note: Leave all mounting hardware loose until every bolt is started.*



Next install the (4) OEM tiedown bolts (blue arrows), and (1) M8x20mm Button Head Bolt and washer (orange arrows). *See image below.*

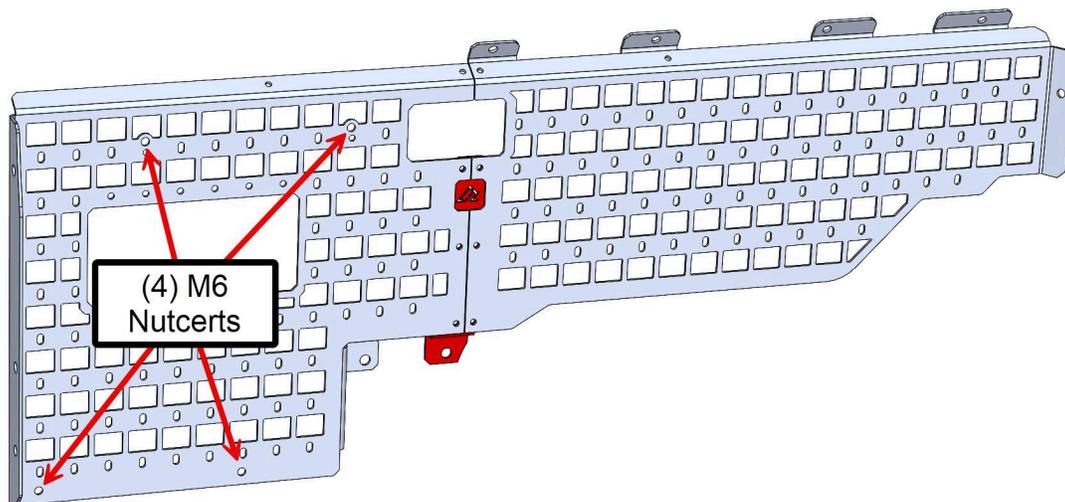


Once all bolts are started, you can now go around and tighten them all. This completes the installation! *We recommend using a medium strength thread locker on all hardware without nuts.*

This completes the installation!

Milwaukee Packout Plate (Optional)

Your Side Molle Panel hardware pack(s) came with (4) M6 Nutcerts. If you purchased the optional Milwaukee Packout Plate, you'll first need to install those (4) nutcerts in the locations shown below then install your Packout Plate with its supplied hardware. *We recommend using a medium strength thread locker on all hardware without nuts.*



Repeat the exact same process to attach the passenger side!

Share Your Photos!

We take great pride in building our products and we hope that pride extends to you after installing your Bed MOLLE Panels. If you are able to share your photos online (Facebook and Instagram), please tag **@AmericanAdventureLab**. We would love to see how it turned out and give you some reciprocal attention in return!

Congrats! You're all done!

Thank you!

At American Adventure Lab, we strive to improve anywhere we can. If you experience any issues with this product or have any suggestions, please let us know.

If you have any questions or concerns, please don't hesitate to reach out to us at 385.202.4188 or via email at Support@erp.adventurelab.com.

