



INSTRUCTIONS: (TY-M2005S/L)

- Inspect product for shipping damage or manufacturing defects. If product is damaged, please contact us immediately at contact@valhallaoffroad.com. Do not discard packaging.

REQUIRED FOR INSTALL:

- 7/32" Hex Key
- 5/32" Hex Key
- 1/2" Wrench
- T30 Torx Driver

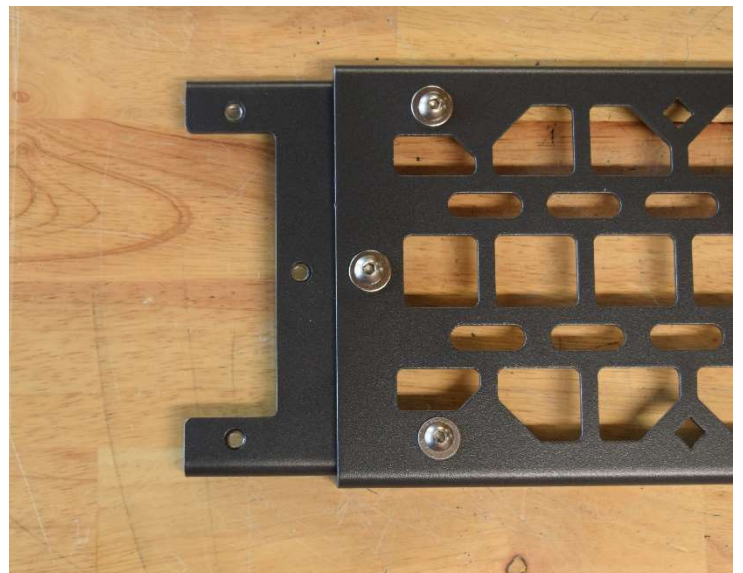
IN THE BOX:

- 1x M.A.P.S. Base Panel
- 1x M.A.P.S. Extension
- 1x Joining Plate
- 2x Mounting Brackets
- 1x Support Bracket
- 3x 3/8-16 Bolts
- 3x 3/8" Washers
- 3x 3/8-16 T-Nuts
- 10x 1/4-20 Bolts
- 10x 1/4" Washers
- 1 x 5/16-18 Carriage Bolt
- 1 x 5/16-18 Lock Nut

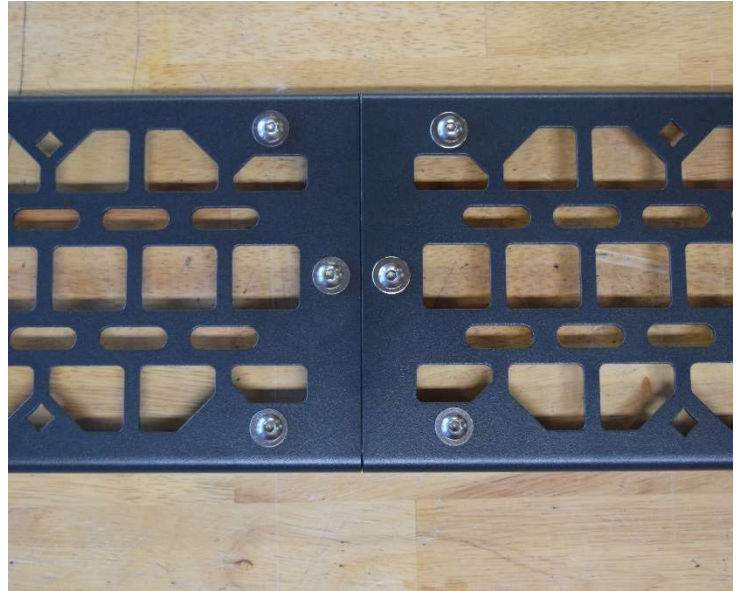


INSTALLATION:

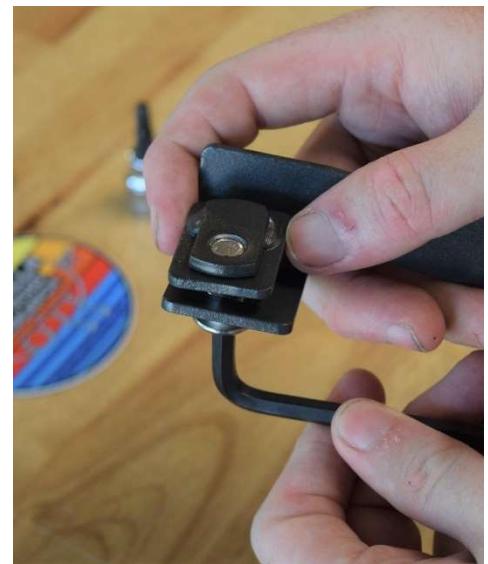
1. Attach Joining plate to base panel using 1/4-20 Screws and washers. Leave screws loose.



2. Join base panel and extension together using ¼-20 screws and washers. Align panels together so sides are flush and there is no gap between panels. Firmly tighten all six screws.



3. Thread T-Nuts to back of brackets using 3/8-16" bolts and washers. Orient T-Nuts as shown in picture.



4. Prepare Truck for Installation:
 - a. Remove top 3 screws from storage box frame using T30 Torx Driver.
 - b. Remove caps from end of cargo rail.



5. Attach mounting hardware to cargo rail.

- a. Slide remaining T-Nut into middle of rail. Flat side of T-Nut should face outward. This will be used later.
- b. Slide bracket assemblies from step 3 into front and rear ends of rail. Loosely Tighten bolts so brackets can still move freely.



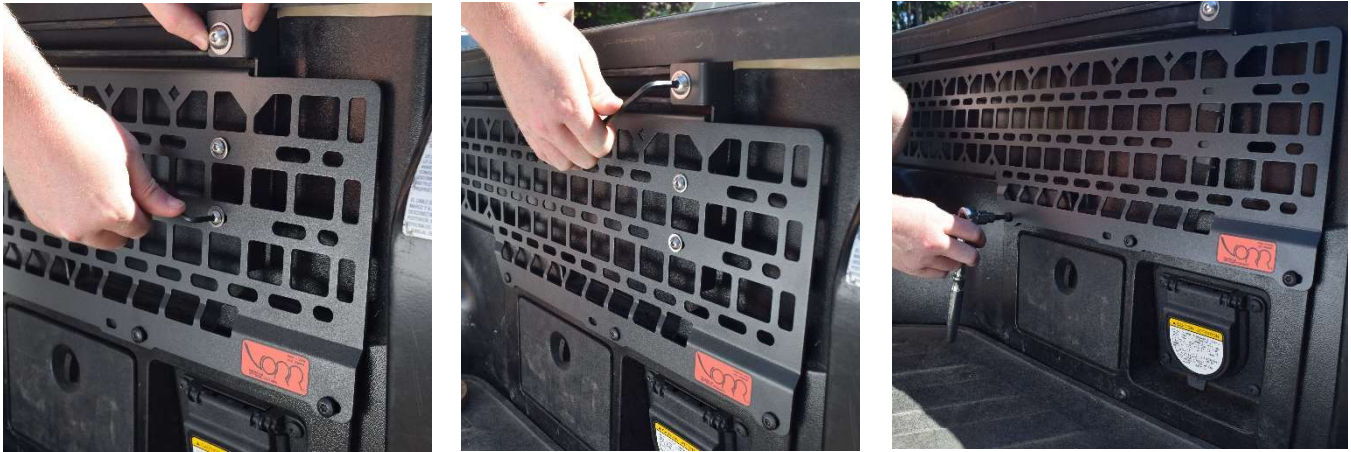
6. Place Panel in Truck. Panel should sit flush to brackets. Align holes in bottom of panel to holes in storage box frame. Once aligned, thread Torx bolts through panel and into storage box frame. Leave bolts loose.



7. Bolt MAPS Panel to brackets front and rear using 1/4-20 screws and washers. Tighten bolts to remove play, but still allow easy adjustment.



8. Align panel so storage box bolts are centered in slots and adjust brackets so they are vertical and completely engaged into cargo rail. Once aligned, firmly tighten all bolts.



9. Install center support bracket. Bracket should be forward of seam between base panel and extension.
- a. Thread bracket onto loose T-Nut in cargo rail using 3/8-16 bolt and washer.
 - b. Align square hole in bracket with first square hole forward of panel joint.
 - c. Bolt bracket to panel using 5/16-18 carriage bolt and lock nut.
- NOTE: Bracket can be mounted in any of the 3 square holes forward of the joint to avoid interference with other accessories mounted to rail.



10. Check all bolts are tight. Installation is complete.

