

INSTALLATION GUIDE

Mule Ultra Rack



CONTENTS

Tundra Mule Ultra Rack 3

Included Hardware:

- (64) 1/4" Button Head Bolts
- (64) 1/4" Nuts
- (38) 5/16" Button Head Bolts
- (38) 5/16" Nuts
- (6) Load Bars
- (12) End Caps
- (6) Sleeves
- (6) 5/16" Button Head Long
- (6) 5/16" Nuts
- (8) Riv Nuts
- (8) Rectangle Spacers
- (8) Round Spacers
- (8) 5/16" Bolts
- (8) 5/16" Washers
- (8) 5/16" Clip Nuts

Tools:

- 1/2" Open Box Wrench
- 3/16" Open Box Wrench
- 5/32" Allen Wrench
- 3/16" Allen Wrench



Skill Level:

3/5 stars (Some drilling required)

Disclaimer

Expedition One is not responsible for any damages to vehicle.
We always recommend professional assistance when installing our vehicle products.

ATTENTION: When assembling the Mule Ultra Rack, remember to hand-tighten all bolts relatively loose until the very end of the install. This allows everything to fit into place before everything is tightened down.

Rack Assembly Installation:

Lay out front and side support braces as shown with provided 5/16" bolts and nuts. (see photo below)

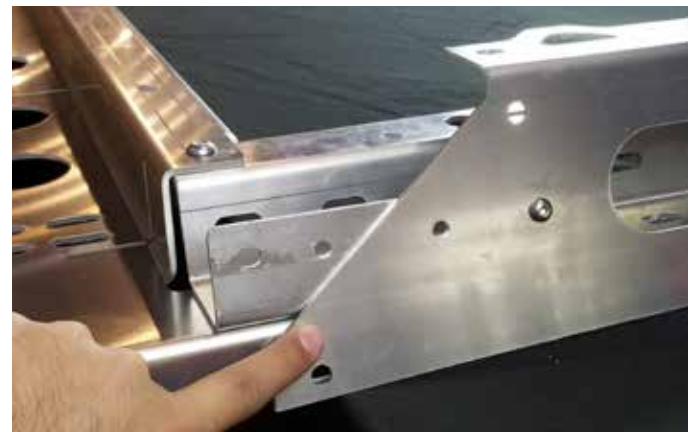


Attach rear reinforcement brace as shown with 5/16" bolts. Repeat on both sides and keep bolts loose.

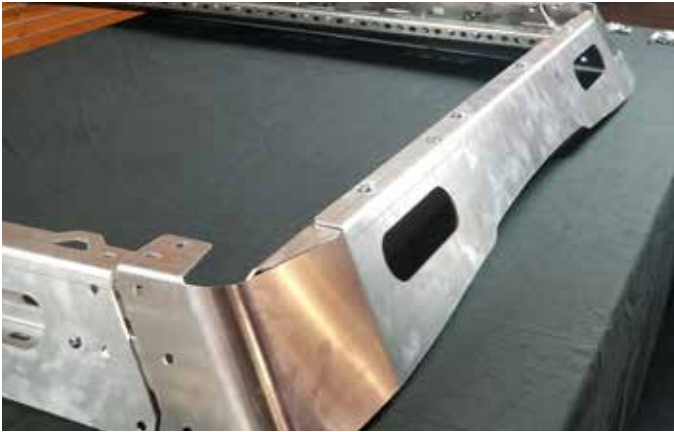


Lay out side fascia pieces and attach with 1/4" bolts (remember to hand tighten but keep loose).

Shallow angle faces towards front end of roof rack as shown in bottom right photo!



Attach rear fascia as shown with 5/16" bolts and nuts.



Next attach rear corner connectors with 5/16" bolts shown in photo below. (remember to hand tighten but keep fairly loose!)



Make sure not to put any bolts in the holes pointed at below!



Attach front fascia piece shown bottom left photo along with a single spacer piece for each hole.

NOTE: If you bought fascia with light bar cutout, we recommend installing light bar prior to installing front fascia to make things easier.



Attach front corner connectors as shown with 5/16" bolts and nuts, remembering not to place any bolts in the holes pointed at in image below. (hand tighten bolts but keep relatively loose)



Next, attach reinforcement spacers as shown on all 6 hole locations with provided bolts & nuts. There are three mounting hole locations on each side.



Next, assemble load bars with provided end mounts using nuts and bolts. Keep hand tight but loose.



Flip roof rack on its back and attach load bars into desired locations as shown in photo. Using provided nuts and bolts, you may begin tightening down each load bar with two bolts/nuts for each side of load bars as shown.



Flip over roof rack after all load bars are tightened down with tools and begin tightening all other rack bolts to prepare to mount onto vehicle.

Mount Intallation

Attach clips onto support brackets as shown below in figure 1. Sample of both brackets in Fig 2.



Fig 1



Fig 2

With a phillips or other flathead tool, remove the roof trim on each side as shown n Fig 3. Towards the back of the trim ,you'll need to remove it from the separate trim piece that runs along the back end of the vehicle. (Fig 4)



Fig 3



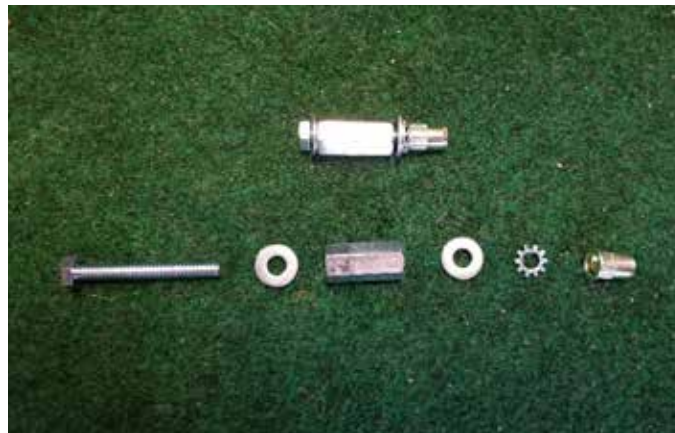
Fig 4

With a measuring tape or stick, place it at the edge of the rubber trim that's at the rear end of roof and measure out to 1" and 9". In between these two marks is your "safe area" for drilling. We placed the roof mount bracket in this region and marked the holes with a sharpie. With a step bit, drill into each marked hole roughly 3/8" in size.

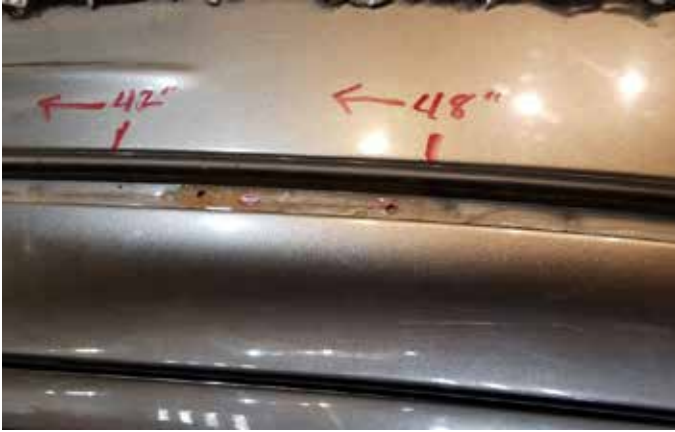


Next, add some caulk sealant to riv nut as shown. (this will help seal the nut into the roof from the elements). with two wrenches, begin twisting your riv nut down into the roof until you feel it 'sit' snug. Then go ahead and hold the bottom wrench in place and twist off the long bolt. Your riv nut should remain firmly in place.

Continue this with the other drilled hole and then repeat these steps for the other rear side of vehicle.



With a tape measure, place the beginning of tape measure to the rear end of vehicle against the rubber trim and measure out to 42" and 48" towards the front of vehicle. This is your "safe zone" to place your front mounting brackets on and mark holes with a sharpie. Once marked, begin drilling out 3/8" holes as shown on prior page.



Once your riv nuts are all in place and secure, place your mount brackets into position and secure with provided washer and nuts.



Once all brackets are secure, place the rubber trim strips back into position. You will need to mark off the areas around the mount brackets with a sharpie. With a box cutter or sharp blade, slice downwards as shown below half way down and then cut horizontally.



If your cut measurements are correct, your rubber trim should lay across nicely around the mount brackets..



Once everything is secured, place roof rack onto vehicle with help of a friend and align with each bracket. Use provided 5/16" bolts and washers for each mount hole location and tighten down roof rack.

Your done!



