



THANK YOU FOR CHOOSING RAGO FABRICATION OUR TEAM THANKS YOU FOR YOUR SUPPORT!

FABRICATION EVERY PRODUCT WE DESIGN IS MADE IN THE USA AND SUPPORTS A VETERAN OWNED BUSINESS

Please read through all of these instructions and tips before installing your products. We do our best to provide an easy install but professional installation by an authorized dealer is always recommended. There are helpful install videos on www.ragofabrication.com that guides the installer through the installation process. To find the video go to More at the top of the page / Install Help / and choose the correct video that applies.

Customer service and satisfaction is our top priority (it actually is second to making kick ass products). With that being said, we will do everything we can to make sure the install process goes as smoothly as possible with the least amount of hiccups.

A couple key points to remember when installing your products:

- Get a friend to help with the installation process. An extra hand is very helpful.
- Make sure you watch the install video for your product from *start* to *finish*.
- Please be patient. When you rush, mistakes happen.
- Call with any questions!

LET'S GET STARTED!

Tools Required

- Rivnut Tool
- Drill
- Step Bit - Steps up to at Least 3/4"
- 1/8" Pilot Bit
- 25/64" Drill Bit

Included

- 2 - Short Spacers (Top) with hardware
- 2 - Long Spacers (Bottom) with hardware
- 2 - Modular Storage Panels
- 2 - Slim Hanger Brackets
- 10 - Stainless Steel Bolts
- 10 - Nylon Locking Nuts
- 20 - Washers
- Stainless Steel Bottle Opener (Please be careful of sharp edges.)



INSTALL INSTRUCTIONS – WRITTEN BY CUSTOMER AND GROUP BUY GURU - RAMON ORTIZ

I was able to obtain a 3rd Gen 4Runner Rago Fabrication Modular panel for my rear side windows. These panels will require drilling trim and removing the back cargo panels for proper installation.

I highly recommend:

- Beer.
- A friend to help you - This is not a solo job.
- Time - This is not a job you want to start after work, during the week. You will need at least half a day to install both panels.

You will need a rivnut tool, a drill, a step bit that steps up to at least 3/4" diameter, and 1/8" pilot bit, and a 25/64" drill bit.

The 25/64" drill bit is important since the holes for the rivnuts must be EXACT. I recommend making sure the rivnuts in the packaging are all the same diameter and the drill bit is sized accordingly.

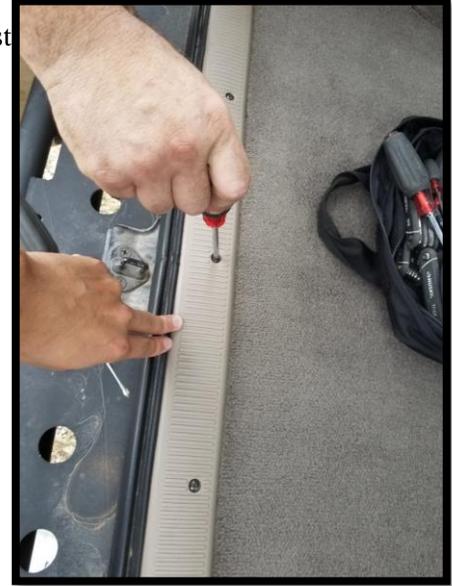
Sometimes there are variations between bolt batches and there cannot be room for error here.



Make sure you have a helper. Even if it is your feline.



First order of business is to remove the rear cargo panels. The first thing to be removed is the hatch floor trim



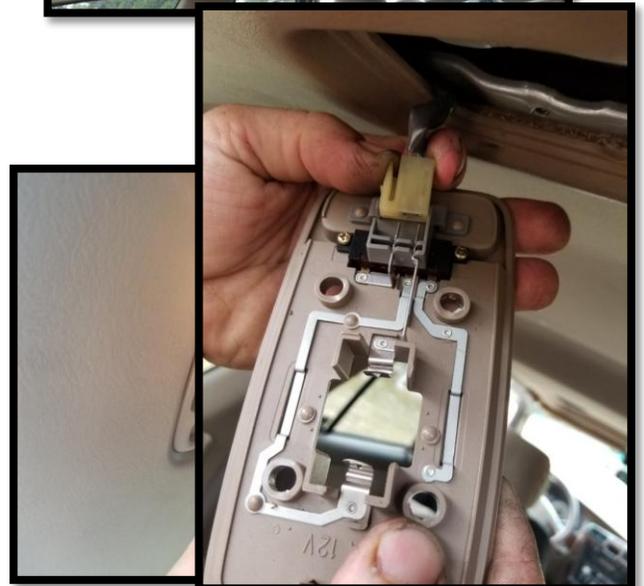
Next, remove the top panel where the hatch light is at. This is the light



done by removing cover:



Removing the four screws and the bulb:



Pry the lighting bracket away from the roof trim carefully and pull out the power plug:

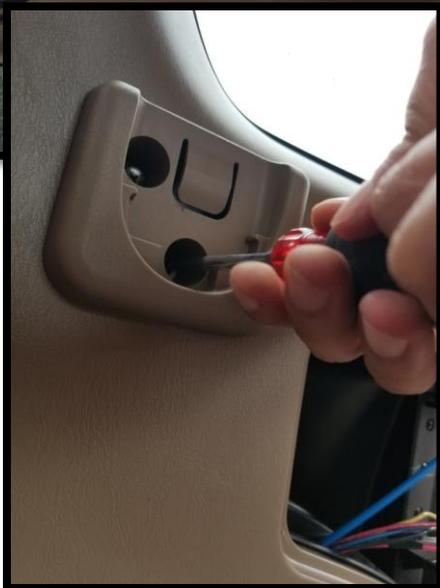
At the ends of the roof trim there will be two small brass screws, remove these as well:



Now the top trim can be removed by pulling



firmly:



Next

we



remove cargo cover brackets, removing the

visible bolts will release them

The shoulder panel must now be removed (picture was taken before I removed the cargo cover bracket):



To remove the shoulder panel, the door floor trim must be removed, locate two screws and remove the door floor trim by firmly pulling away.



The shoulder trim can now be removed by pulling firmly. No screws are located on the shoulder trim.



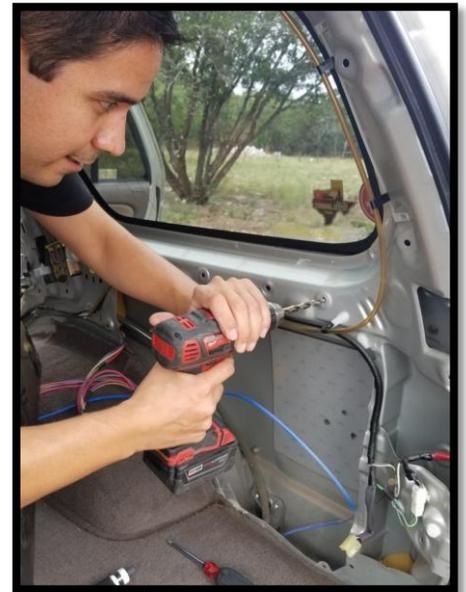
The main cargo panel can now be removed. In this case, the passenger side:



We will now locate the TWO outer holes where the trim fasteners push into. In the picture below, you will see four holes below the window. It is the two outer holes.



Pointing at the left and right hole respectively:



Once they have been located - drill out the hole to the size of the rivnut:

Use the step bit to de-burr the holes. We want nice clean holes to set the rivnut:



Test fit and set rivnut:



BREAK TIME - DRINK BEER. PET CAT.

Next:

A pilot hole will be drilled from the BACK end of the trim panel.

Remember where the rivnuts are?

The trim fasteners that were in this location are now obsolete. Remove them from their seats on the back of the panel. Use the center of the fastener seat to create your pilot hole.



Grab the step bit and drill out to 3/4" hole, stopping periodically to check the fitment of the aluminum spacer. You want a nice snug fit. Don't over drill. Be patient.



You can barely see the rim of the fastener seat thru the hole. Use it to make sure you are centered.



Test the spacer for a nice, snug fit.



This is what the back end will look like:

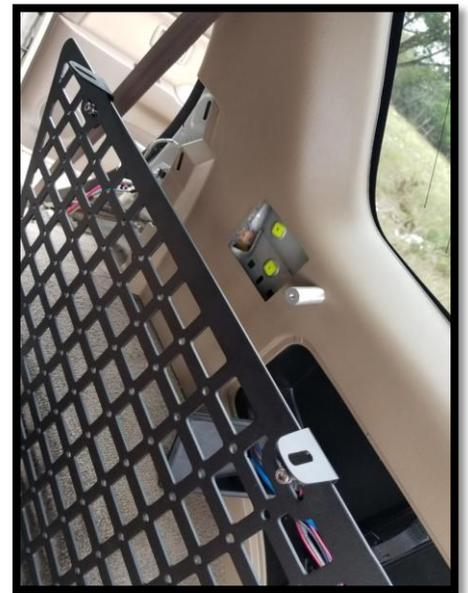
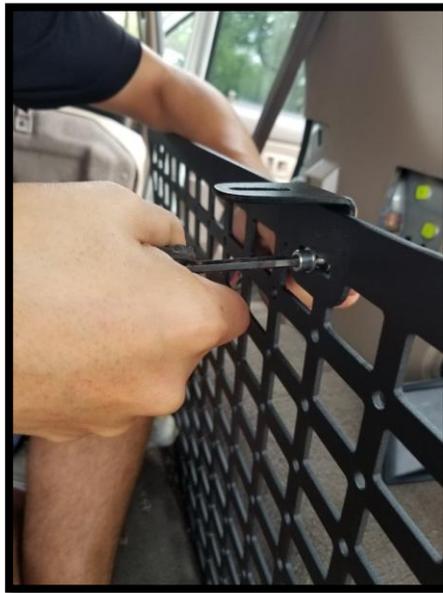
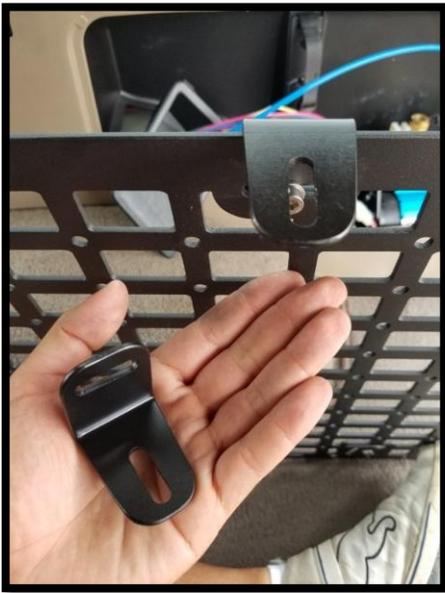


Once the hole in the trim is complete - it will be centered against the rivnuts:



Drill your second hole and install the panel, yes. **INSTALL** it. Make sure all the fasteners clip in place. Make sure it doesn't wobble. Make sure it is set to **STAY**. You will see why. This is important.

Install the top brackets on the modular panel:



Install modular panel (top brackets not shown here):



Side view for clarity:



Next make sure your friend is holding the panel to where the brackets are away from the window - I have it about a 1/4" clearance.

Use the slotted holes in the bracket to center the pilot bit, drill thru the trim and mark a location in the metal beyond the trim. This will locate where the rivnut goes.

Next, drill out the trim hole with the step bit in the same manner as mentioned before, drill your hole for the rivnut and set rivnut.

The finished spacer install should look like this:



Once the second location has been drilled and set, the panel can now be installed:



Same installation procedure for the passenger side:



**INSTALL
GOODS
AND**

ENJOY!

Please exercise judgment when adding weight and items to the rack. Rago Fabrication has not crash or weight tested the rack.

Disclaimer Rago Fabrication is an aftermarket product manufacture and WILL NOT make claims without extensive testing

in a controlled testing environment. The installer as well as the purchaser of our products is advised to use our products at their own discretion and analyze the risks involved for their own situation.

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By purchasing or installing this/these product(s), you agree to be bound by the following terms and conditions: Rago Fabrication products are intended for off-road use only. Rago Fabrication cannot be held liable for damage to the vehicle or injuries sustained as a result of installation or use of Rago Fabrication products. The purchaser accepts full liability for any and all property damage and any and all injuries that may occur during installation or use of Rago Fabrication products. All products sold by Rago Fabrication are for off road use only and are not intended nor designed for use on the street. Any modification of your vehicle with Rago Fabrication products can result in hazardous situations which may result in property damage or bodily harm. The purchaser of this product assumes all risks, including but not limited to personal injury, property damage, and legal consequences arising from installation or use of Rago Fabrication products. All order sales are conducted and transacted by Rago Fabrication which has no presence outside the State of Texas. You agree that any and all legal action or proceeding between Rago Fabrication you shall be brought exclusively in a federal or state court of competent jurisdiction sitting in Bexar, Texas.