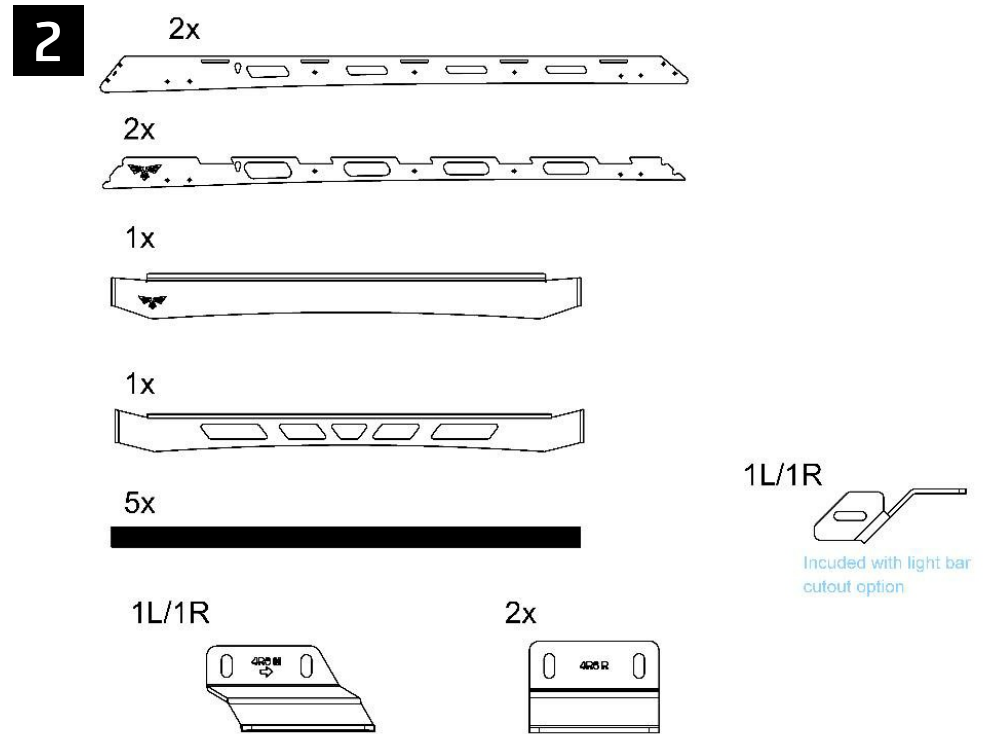


Included Parts (Full Rack)



Included Parts (Short Rack)



## Install Doc - 6th Gen 4Runner Roof Rack

Feedback?



**3**

Necessary Hardware (Full Rack): (52x) 1/4"-20 x 3/4" Button Head | (52x) 1/4" Washer | (30x) 1/4"-20 Serr. Flange Nut | (10x) 1/4"-20 x 1" Black Button Head | (10x) Black 1/4" Washer | (8x) 25mm M8 Button Head | (8x) M8 Washer | (4x) Rubber Bumper

**4**

Necessary Hardware (Short Rack): (36x) 1/4"-20 x 3/4" Button Head | (36x) 1/4" Washer | (22x) 1/4"-20 Serr. Flange Nut | (6x) 1/4"-20 x 1" Black Button Head | (6x) Black 1/4" Washer | (8x) 25mm M8 Button Head | (8x) M8 Washer



## Install Doc - 6th Gen 4Runner Roof Rack

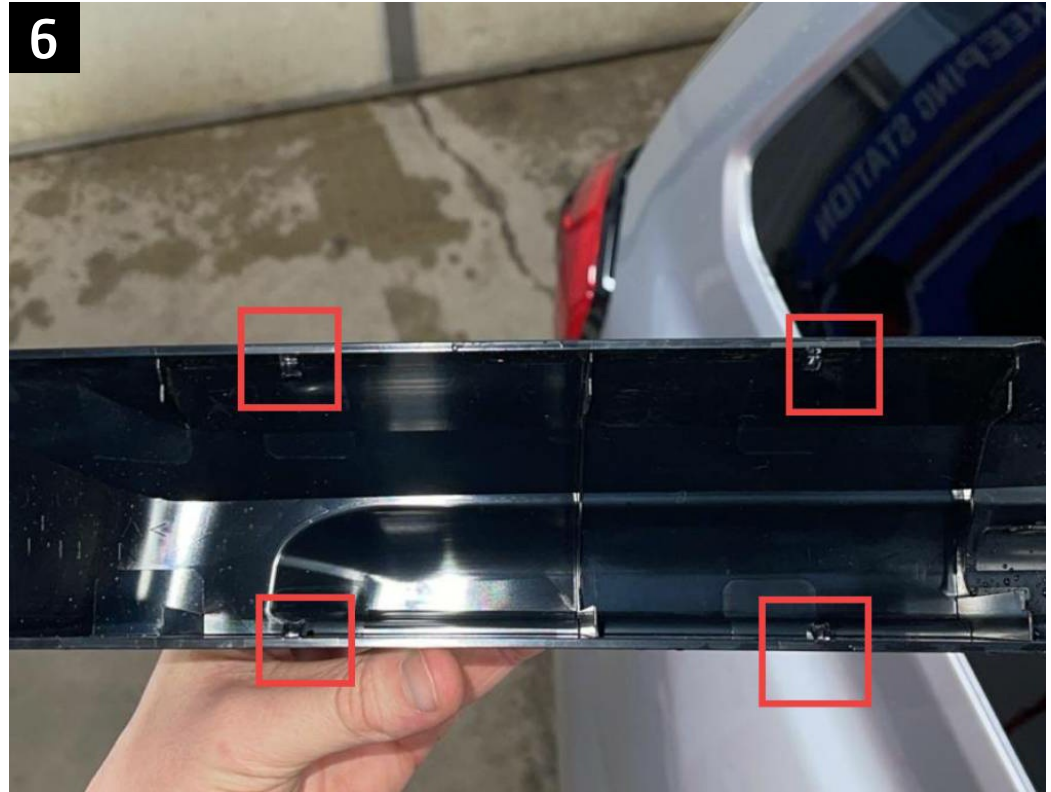
Feedback?



5

Notice: This document shows the process for installing the full rack. The steps are the same for installing the short rack with the exception of not needing the information about the front mounts or cutting the trim. The unneeded steps will be marked with red text.

6



To begin, the plastic caps will need to be removed from the factory rack. The clips holding them on are boxed in red. For the best results, attempt to pry as close to them as possible.

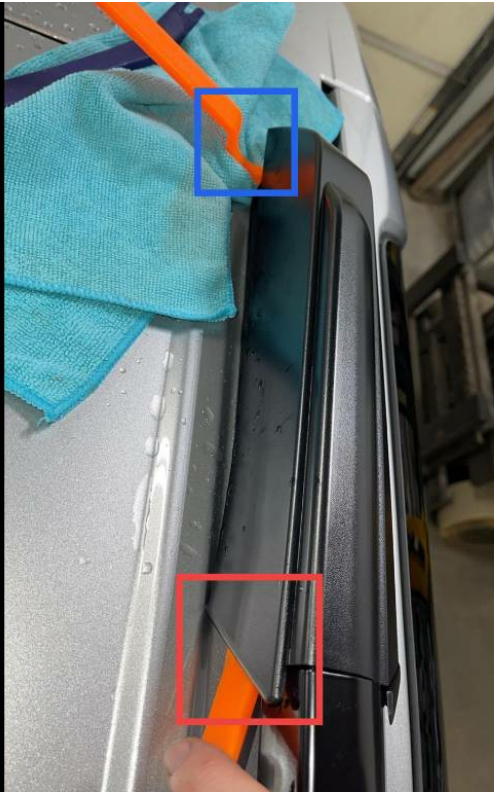


## Install Doc - 6th Gen 4Runner Roof Rack

Feedback?



7



Start by inserting a tool into the area boxed in red in the image. Pry towards the center of the vehicle until there is a pop of the clip coming undone. Leave a tool there to prevent the clip from reattaching and insert another tool under the bottom edge boxed in blue. Again, pry until the clip comes undone.

8



The cap can then be gently pulled away from the center of the vehicle to undo the two clips on the other side. There are also plastic fingers sticking into the area boxed in red, so the cap will need to be pulled out from there.

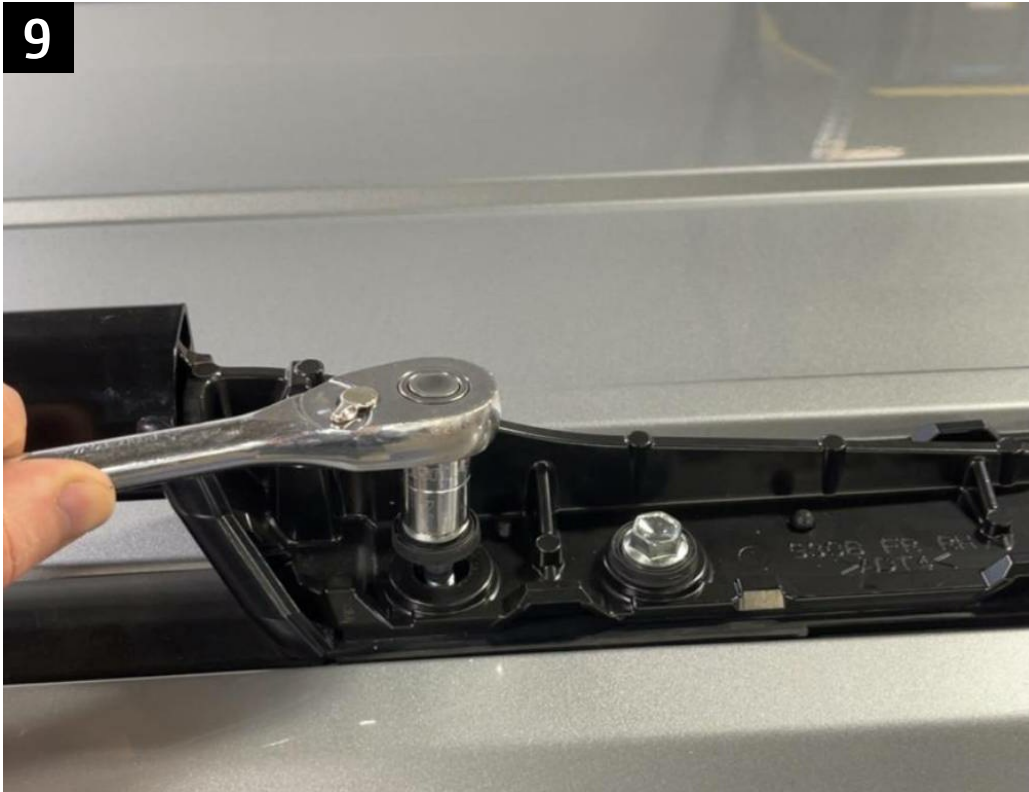


## Install Doc - 6th Gen 4Runner Roof Rack

Feedback?



9



With the hardware exposed, use a 12mm socket to remove all bolts. The factory rack rails can then be removed as well.

10



Pull the forwardmost piece of rubber trim out of the gutter. The front end is clipped into a small metal bracket. Pry up to remove the trim from the clip. **This step is not needed if installing the short rack.**



## Install Doc - 6th Gen 4Runner Roof Rack

Feedback?



11



This image shows the clipping mechanism of the rubber trim.

12



To begin the rack assembly, first mount the accent plate to the side rails using the black 1/4"-20 bolts, nuts and black 1/4" washers. This hardware should be used in each of the 5 single holes located under the center of the cross bar slots on each side rail.

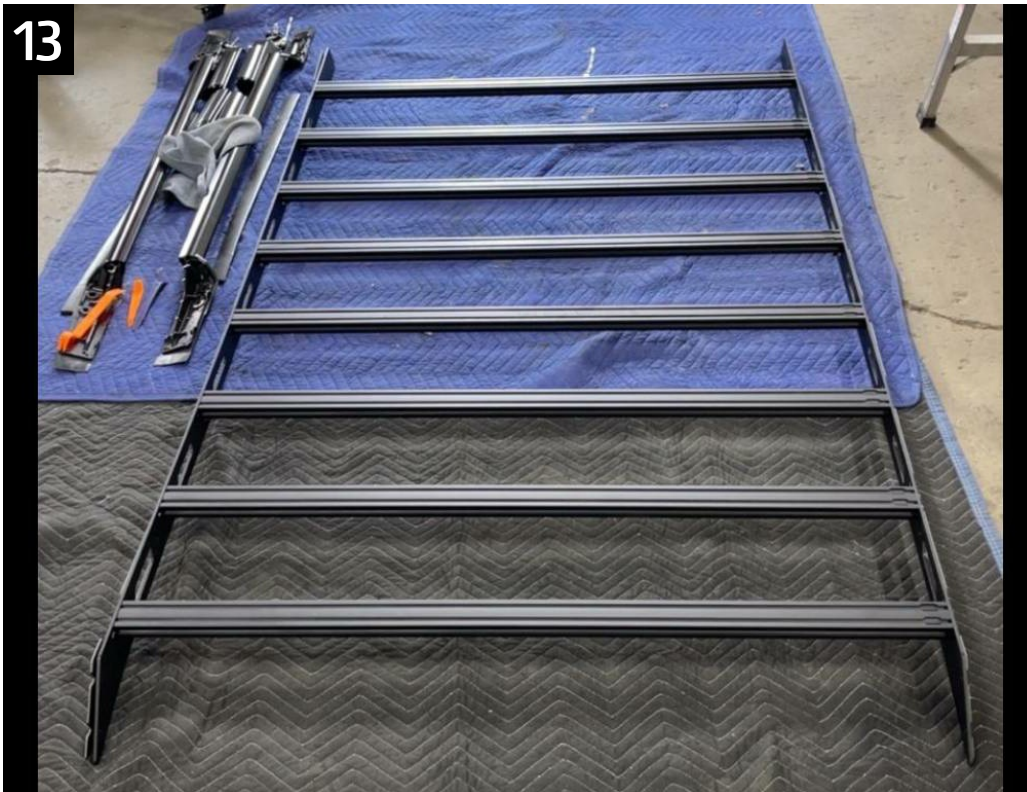


## Install Doc - 6th Gen 4Runner Roof Rack

Feedback?



13



Install the crossbars between the side rails using the silver 1/4"-20 bolts and 1/4" washers. It is recommended that the cross bars are oriented so that the milled slots are all on the same side and are facing up.

14



Mount the strip of trim to the bottom edge of the front fairing. Start just to the outside of the peak of the bottom edge and continue until it reaches the equivalent point on the other side of the fairing. Cut off any extra.



## Install Doc - 6th Gen 4Runner Roof Rack

Feedback?



15



Cut the extra trim as needed and mount it onto the bottom edge of the rear fairing wherever it contacts the roof of the vehicle. It may be necessary to cut it into 2 pieces put one on each peak of the fairing.

16



Next, mount the front and rear fairings. To do this, use the 1/4"-20 X 3/4" button head bolts, 1/4" washers, and 1/4"-20 serrated flange nuts. The front fairing will need 3 of each per side and the rear fairing will need 2 of each per side. When mounting the front fairing, adjust it all the way up to avoid contact with the roof and tighten for now. Repeat this step for the rear fairing.



## Install Doc - 6th Gen 4Runner Roof Rack

Feedback?



17



Pop the rubber bumpers into the bottom of the front mount. It is easiest to get part of the edge in through the hole and then push and twist to fully seat it. **This step is not needed if installing the short rack.**

18



Install the front mounts onto the rack using the 1/4" hardware. Push it all the way down and tighten it for now. **This step is not needed if installing the short rack.**



## Install Doc - 6th Gen 4Runner Roof Rack

Feedback?



19



Next, mount the mid and rear mounts to the vehicle. Begin by putting a bead of RTV around the mounting holes in the roof and then set the mount into place. Put a bit more RTV over the holes themselves so that the bolts have to pass through it. Then, loosely install the M8 bolts and washers into the roof of the vehicle.

20



Set the rack up into place and loosely mount attach it to each of the mounts using the 1/4" hardware. Once this is achieved, the mid and rear mounts can be tightened fully to the roof. Be sure to do this before the RTV hardens.



## Install Doc - 6th Gen 4Runner Roof Rack

Feedback?



**21**

Next, adjust the rack until the gap between the bottom edge and the top of the vehicle is satisfactory. When the rack is positioned as desired, tighten the rear mounts and mid mounts to the rack. Then, pull up on the front of the rack while pushing the front mount down tight to the roof and tighten it into place. This ensures that the front mount stays tight to the roof and prevents movement.

**22**

We recommend applying clear paint protection film to the roof of the vehicle anywhere the edge trim/fairings make contact with the roof. This will protect the paint from dirt/debris over time. If you are unable to get the front fairing down tight to the roof, you may need to adjust the overall height of the rack at the mid and/or rear mounts. In some cases, you may need to pivot the whole rack down toward the front to get the front fairing to make contact.



## Install Doc - 6th Gen 4Runner Roof Rack

Feedback?



23



To apply the paint protection film, begin by pushing the front fairing tight to the roof and apply tape 1/8" - 1/4" from the edge, anywhere it contacts the roof.

24



Remove the bottom bolt and flip the fairing up and out of the way. Then, apply paint protection film edge to edge with the tape line previously laid out.



## Install Doc - 6th Gen 4Runner Roof Rack

Feedback?

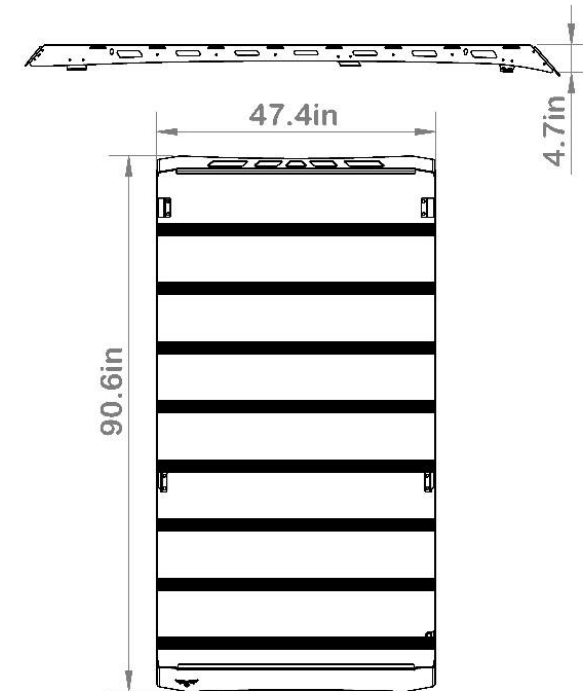


25



Flip the fairing back down and push it tight to the roof again before tightening it into place. Repeat these steps for the rear fairing as well.

26



Dimensions (Full Rack)

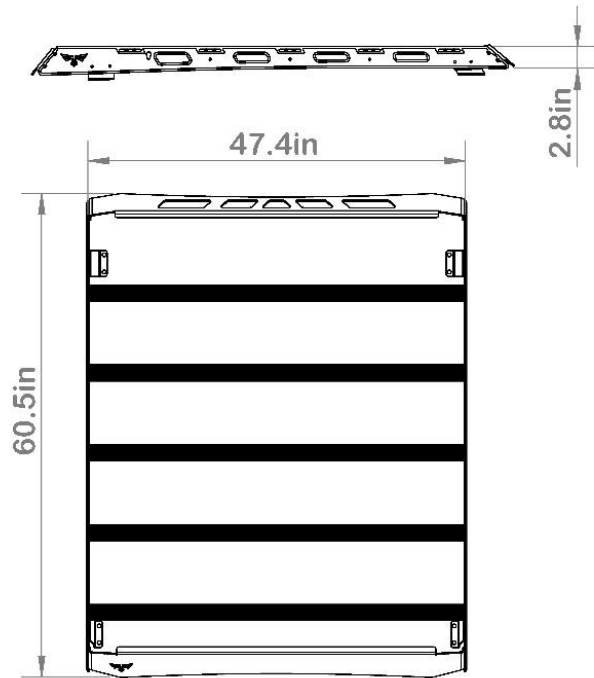


## Install Doc - 6th Gen 4Runner Roof Rack

Feedback?



27



Dimensions (Short Rack)

28

**Thank you for supporting  
American-made. We hope you  
enjoy your new product!**

If you have any questions or concerns  
please reach out to us.

[info@jcroffroad.com](mailto:info@jcroffroad.com)  
[info@victory4x4.com](mailto:info@victory4x4.com)  
[info@squatch-proof.com](mailto:info@squatch-proof.com)  
[info@fatamericanmfg.com](mailto:info@fatamericanmfg.com)

269-353-1184



**SQUATCH  
PROOF**

**FAT  
AMERICAN MFG.**