Step 1 Roof Rack Install - 100 Series Land Cruiser







Step by step on how to install the 100 Series Roof Rack!

Installation Video: https://www.youtube.com/watch?v=AF0SjXUcj2M

*Note: Rack now includes gray accent side panels and is now a 2 piece siderail design.

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Step 2 Stock Roof Rail Removal





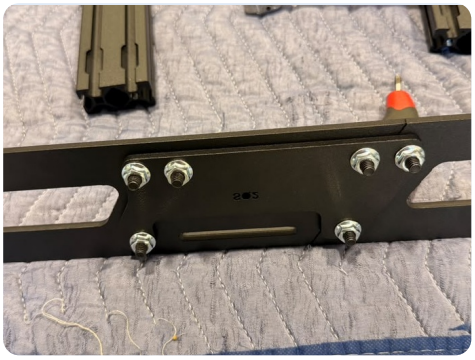


- Using a flathead screwdriver pop off the little plastic panels on the rails for all 6.
- Using a 12mm socket remove the stock bolts. 6 on each side.
- After the bolts have been removed, lift each rail off carefully by pulling up.

Step 3 Assemble the Side Rails







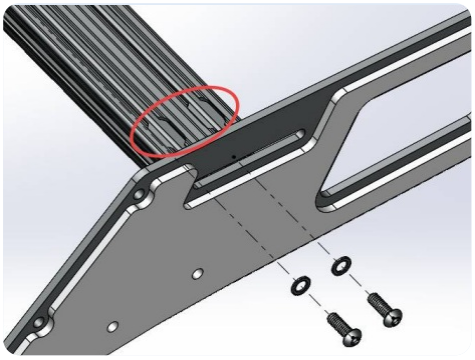
- Assemble a mirrored left and right side rail assembly using (6) of the black 1/4"-20 x 1" button heads, washers, and flange nuts as shown in the photo above. The left side rail is pictured in this example.

- Using the black 1/4"-20 x 3/4" button heads, washers, and flange nuts, fasten the side rails together in the locations shown above with the **red circles**. Leave the holes in the yellow circles **empty** for a later step.

Step 4 Assemble the Rack







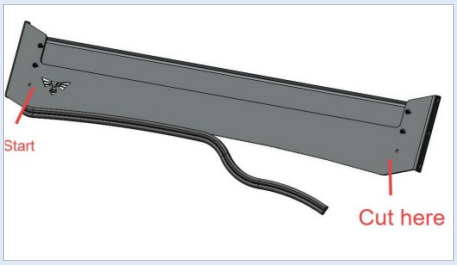
- Fasten the cross bars between the side rail assemblies using the 1/4"-20 x 3/4" button heads and washers. NOTE: Make sure the milled slots (circled above) in the cross bars are facing up, and oriented on the side of the vehicle that you prefer.

NOTE: At the cross bar running thru the side rail joint you assembled in step 2, use the (2) of the longer 1/4"-20 x 1" button heads.

Step 5 Assemble Front Fairing







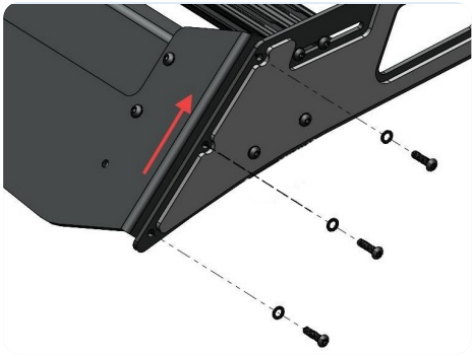
- Using four of the black 1/4"-20 x 3/4" button heads, washers, and flange nuts, assemble the front fairing in your desired configuration. (image 1)

*If you are running a light bar, you will want to fasten in its lower position with the flange pointing up and back.

- Push the supplied edge trim on the bottom edge of the front fairing as shown. You want this trim to go just past the points on both sides of the front fairing. Cut off the excess to use on the rear fairing (you should have about 8" remaining). (image 3)

Step 6 Install Front Fairing

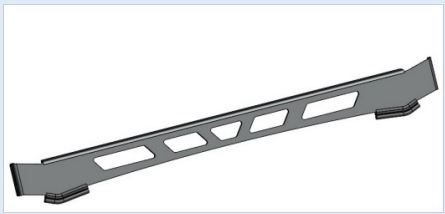




- Using six of the 1/4"-20 x 3/4" button heads, washers, and flange nuts, fasten the front fairing to the rack with it adjusted all the way up. Snug by hand in this position so it holds for now.

Step 7 Install Rear Fairing







- Take your remaining edge trim from step 6 and cut it directly in half. With two identical (~4") pieces, position them on the rear fairing as shown. Starting at 1" outside of the points and pointing inwards.

- Using four of the 1/4"-20 x 3/4" button heads, washers, and flange nuts, fasten the rear fairing to the rack with it adjusted all the way up (image 3). Snug by hand in this position so it holds for now.

Step 8 Rear Mounts Install



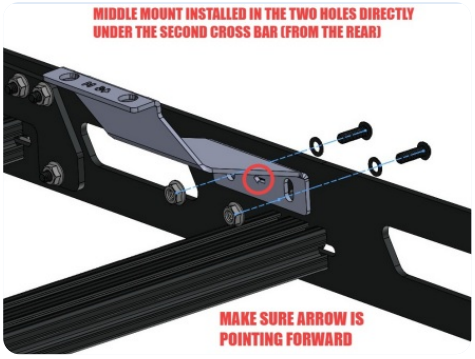


- Flip the rack over so the bottom is facing up. Using two of the black 1/4"- 20 x 1" button heads, washers, and flange nuts, fasten the rear mount in the **upmost** position. Snug the bolts by hand for now so they hold.

NOTE: Be sure that the arrow is pointed to the **front** of the roof rack.

Step 9 Middle Mounts Install





- Using two of the black 1/4"-20 x 1" button heads, washers, and flange nuts, fasten the middle mount in the upmost position. Snug the bolts by hand for now so they hold.

NOTE: Be sure that the arrow is pointed to the **front** of the roof rack

Step 10 Rear Mounts Install

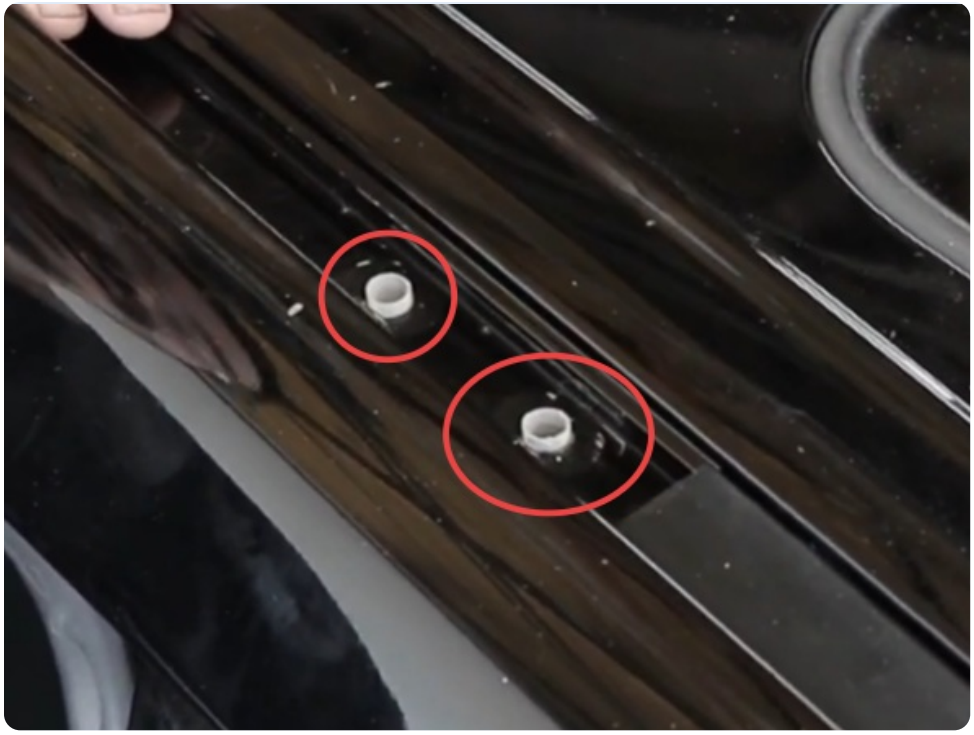




- Using two of the black 1/4"-20 x 1" button heads, washers, and flange nuts, fasten the front mount in the upmost position. Snug the bolts by hand for now so they hold.

NOTE: Be sure that the arrow is pointed to the **front** of the roof rack.

Step 11 Weather Proofing Mounting Holes

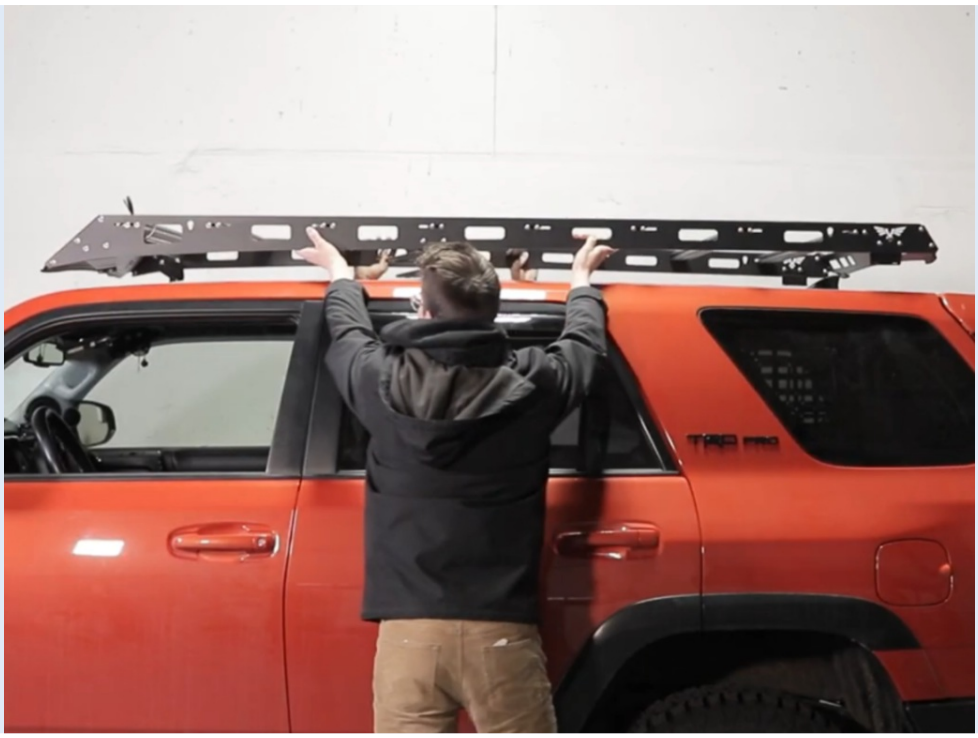




- With the factory parts removed from the roof, use silicone RTV to surround and fill each of the (8) mounting holes. Be liberal with the RTV, you cant use too much. We recommend surrounding each hole with 2-3 passes of sealant, and then "filling" the threaded holes as well. Threading the fasteners thru the sealant ensures it is totally water tight.

NOTE: 100 Series Land Cruisers have several mounting locations in the drip rail, not all of them will be used, and some may even be hidden under painted vinyl or tape. Ensure that you have all the necessary mounting holes exposed and prepped for the rack installation.

Step 12 Placing on the Roof Rack



- With the help of a friend (or two), place the rack on top of the vehicle. Take extra care to set the rack directly over the mounting holes, you want to avoid the need to move the rack laterally once it is sitting in the sealant.

Step 13 Mounting the Rack





- Using the supplied M8x1.25mmx25mm button heads and washers, attach the rack to the roof by threading the bolts through the RTV and into the factory 8mm holes. Be sure to get all 8 bolts started before tightening any of them. When all the bolts are started, tighten each of them firmly by hand. This should be done when the RTV is still wet.

Step 14 Positioning the Rack





- With the front, mid, and rear mounts bolted firmly to the roof, adjust the position of the rack by loosening the mounting bolts on the side rail until there is and equal gap between the bottom of the side rails and the roof down the length of the vehicle. Then re-tighten the mounts into place.

- Adjust the front fairing down to the roof until it is touching the roof.

Step 15 Paint Protection Film Front



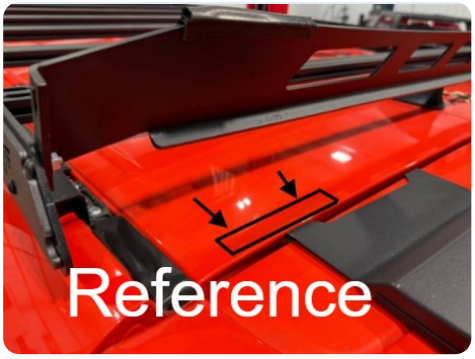


This step is optional but highly recommended: Paint protection film is not included, but can be used along with the included weather stripping. If not using paint protection film, skip to step 17.

- Adjust the front fairing down to the roof until it is touching the roof. Mark with masking tape where the edge trim is making contact with the roof. Temporarily remove the bottom two bolts on both sides and apply 3M Paint Protection Film along the locations that trim contacts the roof.
- Reinstall the four bolts into the front fairing and adjust to desired location.

Step 16 Paint Protection Film Rear





This step is optional but highly recommended: Paint protection film is not included, but can be used along with the included weather stripping. If not using paint protection film, skip to step 17.

- Adjust the rear fairing down to the roof until it is touching the roof. Mark with masking tape where the edge trim is making contact with the roof. Temporarily remove the rear fairing bottom bolt on both sides and apply 3M Paint Protection Film along the locations that trim contacts the roof.
- Reinstall the two bolts into the rear fairing and adjust to desired location.

Step 17 Final Check



- Confirm all hardware is tightened.

- **Congrats! Your installation, is now complete. Enjoy!**