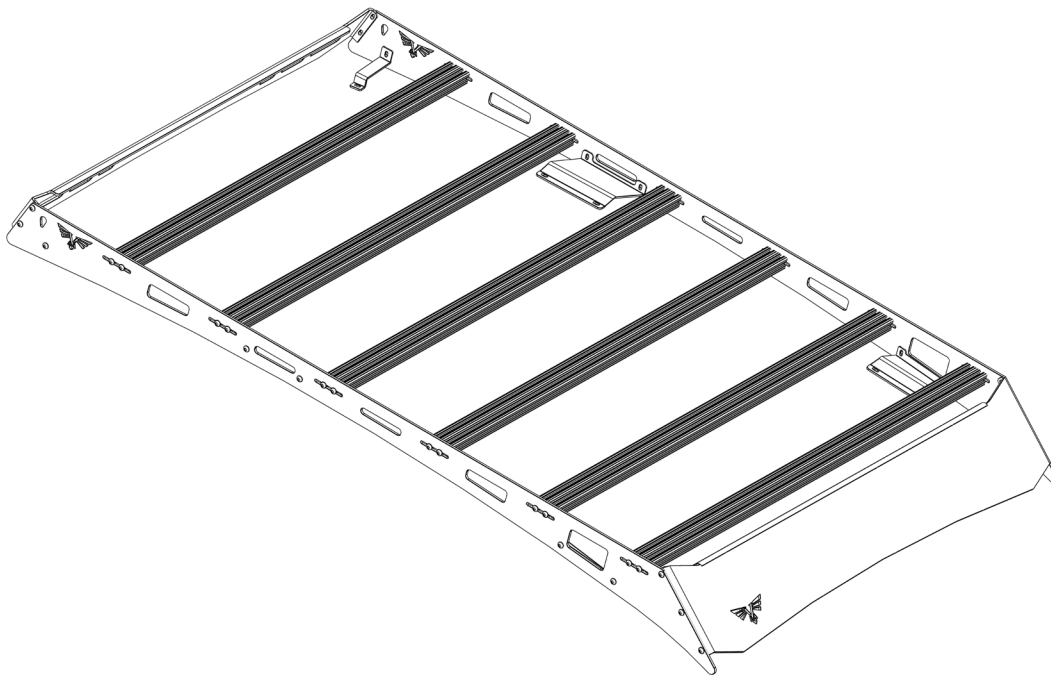# VICTORY4X4

5TH GEN RAV4 ROOF RACK
INSTALL INSTRUCTIONS
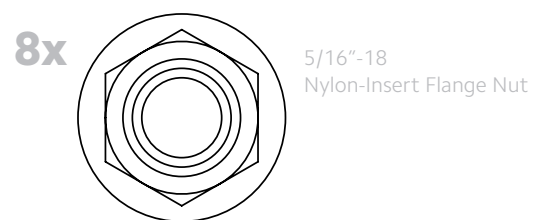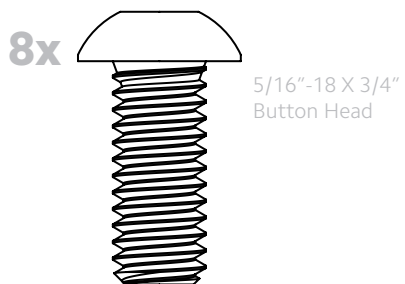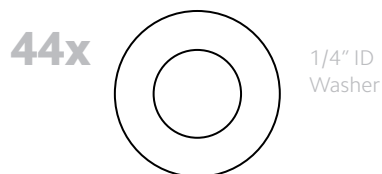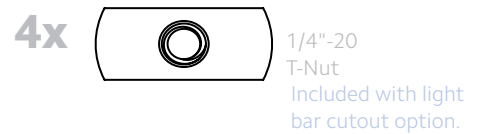

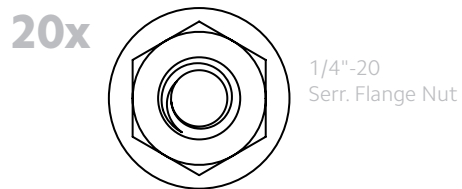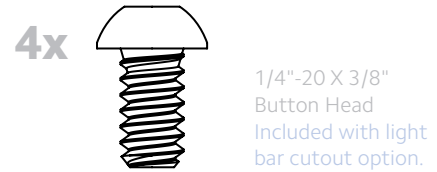**Please read the mounting instructions below carefully before attempting to install.**

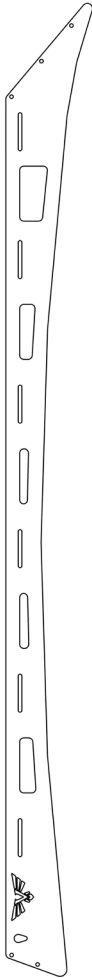**Check out the install video on the product page for factory rack disassembly.**

Thank you for purchasing from Victory 4x4! Checkout our website, victory4x4.com for other great off-road products. Be sure to rate and review our product online. If you have any questions or are missing parts, please don't hesitate to call us at 269-459-8447!

INCLUDED HARDWARE

46x 1/4"-20 X 3/4"
Button Head

4x 1/4"-20 X 3/8"
Button Head
Included with light
bar cutout option.

20x 1/4"-20
Serr. Flange Nut

4x 1/4"-20
T-Nut
Included with light
bar cutout option.

44x 1/4" ID
Washer

2x 1/4"-20
Nylon-Insert Flange Nut

8x 5/16"-18 X 3/4"
Button Head

8x 5/16"-18
Nylon-Insert Flange Nut

8x 1/4" ID
Polyethylene Panel Plug

INCLUDED PARTS

2x

6x

1x

1x

1x
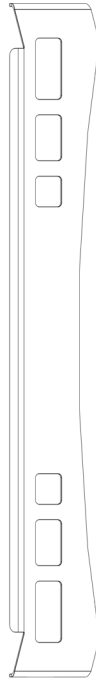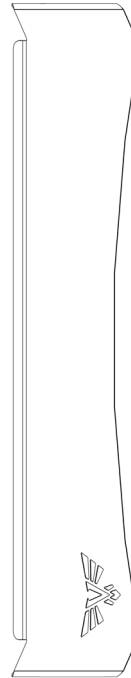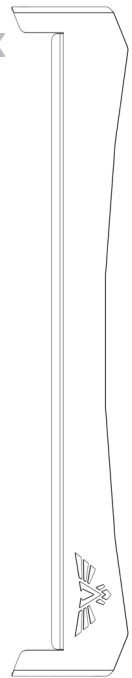
Or
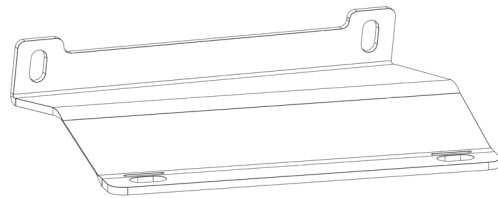
1L/1R
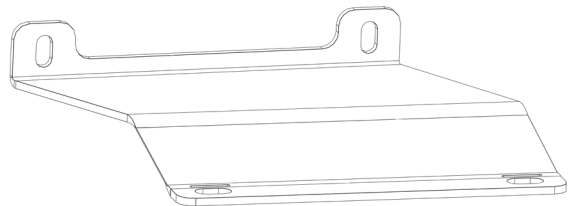
1L/1R

Included with light bar cutout option.

1L/1R

1L/1R

ASSEMBLY

1 Assemble the rack on the ground. Start by mounting the crossbars between the two side rails. For this, use the1/4"-20 X 3/4" button head bolts and th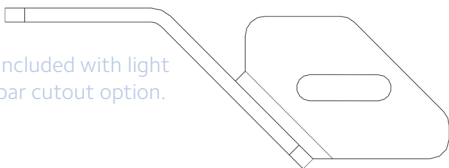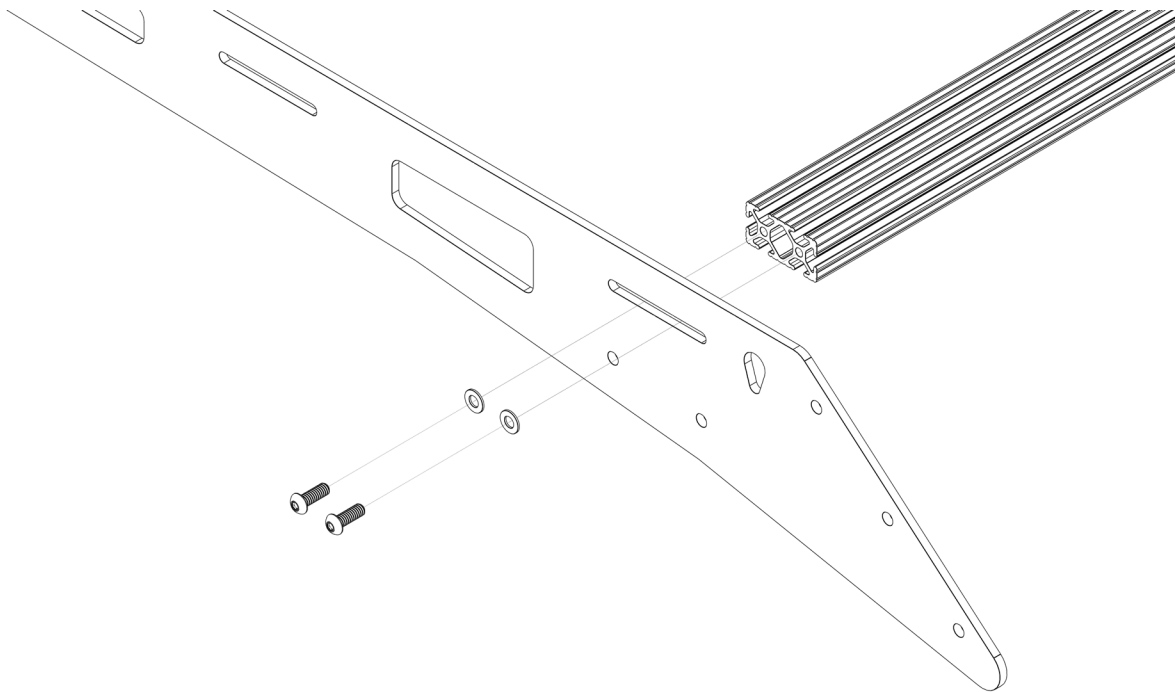e 1/4" ID washers (two per bar per side). Make sure the machined slot in the rail of the crossbar is facing up, so that you can easily add t-nuts to mount your gear.

ASSEMBLY

2 Next, 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. Then, cut the extra in half and mount the two pieces onto the bottom edge of the rear fairing wherever it contacts the roof of the vehicle.
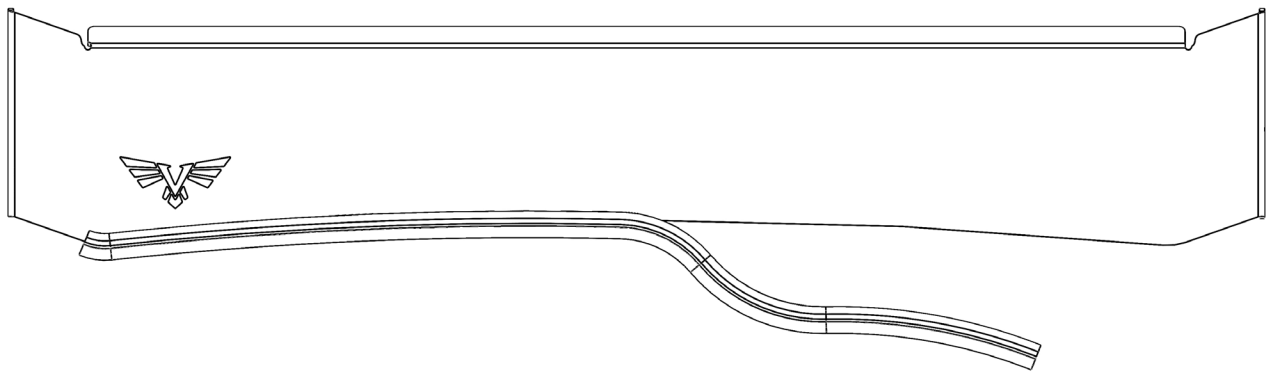
ASSEMBLY

3 Mount the front and rear fairings. To do this, use the 1/4"-20 X 3/4" button head bolts, 1/4" ID washers, and 1/4"-20 serrated flange nuts. The front fairing will need three of each per side and the rear fairing will need two of each per side. When mounting the fairings, adjust them all the way up and tighten to avoid contact with the roof when setting it in place.
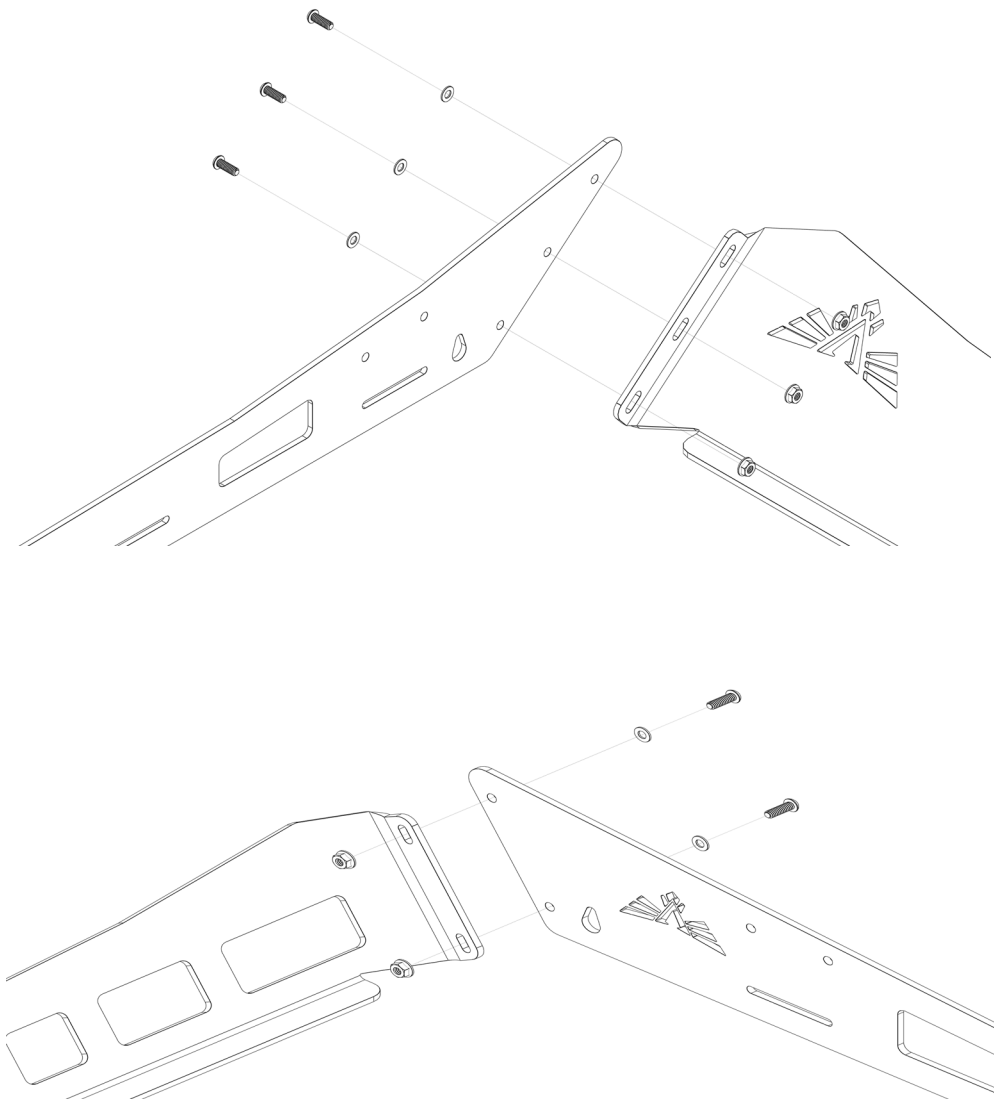
ASSEMBLY

**4** Next, attach the mounts to the roof of the vehicle. Start by putting RTV around each mounting hole on the roof. Then, place the mount in position and apply more RTV over the holes in the mount so the bolts will have to pass through it when tightening. This will make a water-tight seal. Attach the front and mid mounts to the roof using the 5/16"-18 X 3/4" button head bolts on the top side of the mounts, and the 5/16"-18 nylon-insert flange nuts on the underside of the roof on the interior of the vehicle. Then, do the same for the rear mounts, except use the 1/4"-20 X 3/4" button head bolts on the top side of the mounts, and the 1/4"-20 nylon-insert flange nuts on the underside of the roof on the interior of the vehicle. Tighten to the point that the mounts are secure but still able to slide around slightly. After the mounts are in place, there will be some left over holes. Cover them in RTV and pop in the rubber plugs in order to weather proof the roof.
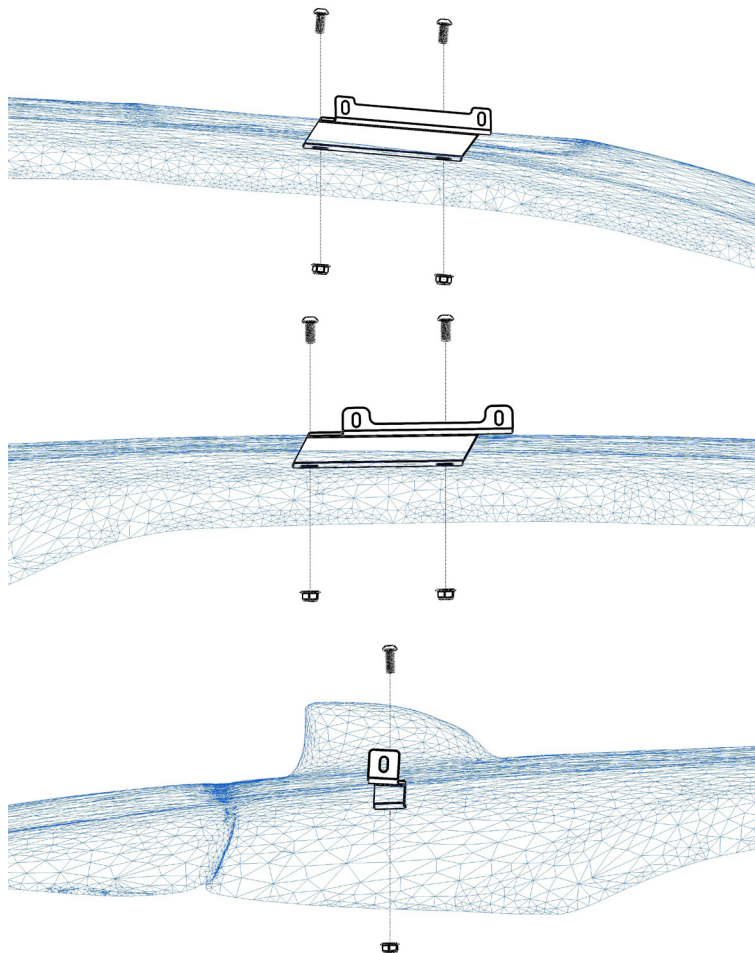
ASSEMBLY

5 Next, put the assembled rack onto your roof and attach it to the mounts using the 1/4"-20 X 3/4" button head bolts, 1/4" washers and 1/4" serrated flange nuts. Once they are loosely attached to the rack, tighten the mounts fully to the roof . Then, make whatever adjustments to the rack that are necessary to get an even gap between the bottom edge of the side rails and the roof down the length of the vehicle and tighten the mounts fully to the side rails.
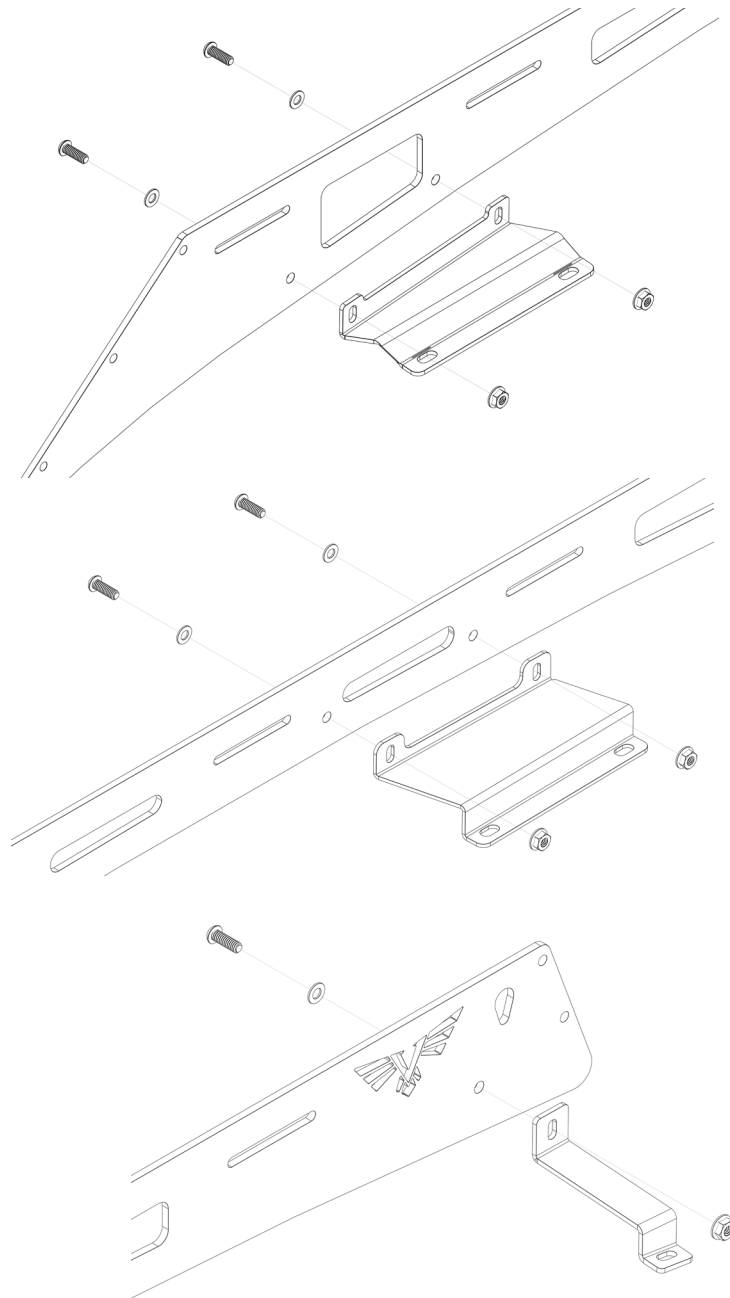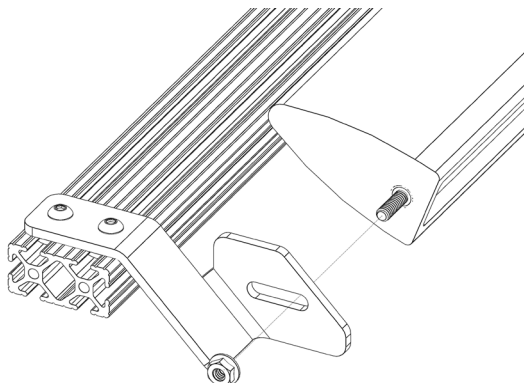
ASSEMBLY

6 Finally, push the front and rear fairings down tight to the roof of the vehicle and tighten everything fully into place. We recommend applying clear 3M 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.

40" LIGHT BAR ASSEMBLY

1 Slide 2 t-nuts into each of the channels on the top side of the front-most crossbar using the slots. Then, place each light bar mount over one pair of t-nuts and loosely bolt it in place using the 1/4"-20 X 3/8" button heads.
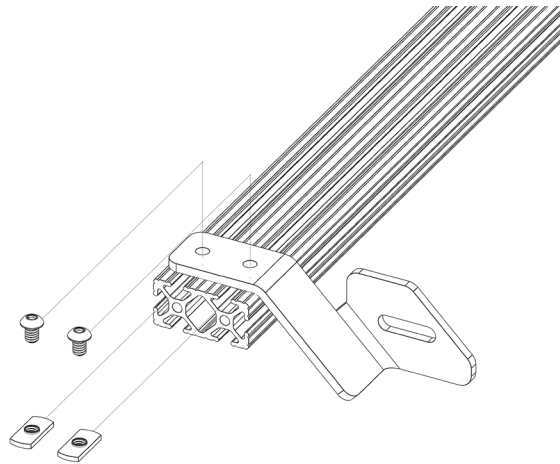
2 Next, place your light bar between the mounts and mount it in the slots using the hardware provided with the light bar. After that is firmly in position, make any adjustments to the positioning necessary to center the light bar on the rack. Depending on the rack and light bar, you may need to adjust the position of the cross bar in its slot as well.

DIMENSIONS

47.4in

6.5in

71.2in