

Cali Raised LED Roof Rack Install Guide

1. Remove all the parts from the box, DO NOT OPEN HARDWARE BAGS. They are packed in a specific order to work through each stage of the install.
2. The first stage of installing the rack is building the front fairing.

Premium

- A. First you need to get the 2ea front mounts, pictured below. Lay them out as show. Then lay the light cover in between. Open your hardware kit and take out the 3/8" bolt and washer. Put the washer on the bolt and put the bolt through the light cover hole.
- B. Now you need to prep the light cover. In your hardware bag there will be 2ea 1/2" diameter aluminum spacers (not to be confused with the 4ea 5/8" spacers). Put the spacer over the threaded insert on each side.
- C. Next go back to your front mount, put on a bronze bushing over the 3/8" bolt (looks like a washer), then the light cover (ensure that the studs on the light cover go into the oval cutouts on the front mount), next another bronze bushing, then the 3/8" lock nut. Do this for both sides. DO NOT TIGHTEN THE NUT AND BOLT, leave this hand tight.
- D. Next you need to put on the front valance and valance support. Lay the valance support in place over the front mounts, with the bent edge pointing down to the floor. Then lay the front valance on top of that. From your hardware bag gather 4ea of the 1/4x20 bolts that are 5/8" long, and 4ea black washers. The front mount has threaded inserts, so all you have to do is thread the bolts into the inserts. Each bolt gets a washer, then the bolt goes through the front valance, then through the valance support and into the front mount. Do the for both sides.
- E. Now get 3ea more of the same 5/8" length bolts and black washers and put them in the remaining 3 holes that go across the front of the valance. Tighten these down, then tighten the outside bolts down.
- F. Next reach into your hardware bag and get 2ea 1/4x20 bolts that are 3/4" long, 4 black washers and two 1/4 lock nuts. Put the washers on the bolts, then on the top corners put in the bolt through the valance and front mount, then put on a washer and the lock nut. Tighten these down.
- G. Now get your included weather stripping. This pushes over the front fairing and snaps into place. The bubble goes down. We cut the strips a little long so you have enough. You may need to trim the strip down a little bit with a set of tin snips or cutting pliers.
- H. Lastly, flip your assembly over. Using 9/16 wrenches tighten the 3/8" nut and bolt. DO NOIT OVER TIGHTEN. These need to be snug, but still allow the front light cover to pivot.

Economy

- A. First you need to get the 2ea front mounts, pictured below. Lay them out as show. Then lay the valance support between them to get the proper spacing.
- B. Next you need to put on the front valance and valance support. With the valance support in place over the front mounts, lay the front valance on top of that. From your hardware bag gather 4ea of the 1/4x20 bolts that are 5/8" long, and 4ea black washers. The front mount has threaded inserts, so all you will have to do is thread the bolts into the inserts. Each bolt gets a washer, then should go through the front valance, then through the valance support and into the front mount. Do the for both sides.

- C. Now get 3ea more of the same 5/8" length bolts and black washers and put them in the remaining 3 holes that go across the front of the valance. Tighten these down, then tighten the outside bolts down.
 - D. Next get your included weather stripping. This pushes over the front fairing and snaps into place. The bubble goes down. We cut the strips a little long, so you have enough. You may need to trim the strip down a little bit with a set of tin snips or cutting pliers.
 - E. Lastly, reach into your hardware bag and get 2ea 1/4x20 bolts that are 3/4" long, 4ea black washers and 2ea 1/4 lock nuts. Put the washers on the bolts, then on the top corners put in the bolt through the valance and front mount, then put on a washer and the lock nut. Tighten all the bolts down.
3. Now we can install the front valance to the truck, but before we can do that we need to remove the factory weather stripping. This is held on by a soft clip in the front, and double-sided tape in the back. Using a soft tool like a plastic pry bar, on the front of the stripping, wedge the tool under the stripping and move it up away from the truck. The front clip will let the rubber go and then simply lift up, peeling it away from the truck as you move to the rear. Take just the long main strip off, do not remove the rear one.
 4. **OPTIONAL – Cutting the weather stripping.** The weather stripping can be cut or holes punched in order to allow it to be reinstalled. This is both difficult and optional. The stripping does not keep water out of your truck, but it does keep debris out of the groove in the roof. Unlike other racks on the market, this weather stripping can be left off for later use if you do not want to permanently modify it (this groove is not visible when the rack is installed). If you do wish to re-install it, there are many guides and methods you can find on you-tube or forums that can show you how this can be accomplished.
 5. With the stripping handled, we can now install the front valance. First you need to remove the factory tape that is covering the factory roof mounting holes. Use a screw driver or other tool to remove these. They are very sticky and usually painted over. There are 3 on each side covering 5 holes on each side. Once the tape is removed, set 4ea of the larger spacers (5/8" diameter) over these holes. Then with the help of a friend, set the front valance in place and on top of the spacers.
 6. Next take the 2ea long M6 bolts and two M6 washers and install them through the front mount, through the spacers and into the factory roof threads. DO NOT TIGHTEN, leave loose for adjustment.
 7. Now it is time to set up the middle and rear mounts. Use the below photos for reference as to which way they need to be installed. Open the hardware bag for the middle and rear mounts. Grab 1ea extrusion and slide in 2ea t-nuts on each side, one in each of the grooves. Then place your middle or rear mount on the extrusion. Then take a 1/4x20 1/2" long bolt with a black washer and thread it into the t-slot, do this for all 4 locations. Next do the same with your other mounts. You will need one extrusion with the rear mounts and one with the middle mounts.
 8. Next grab the 6ea remaining large spacers (5/8" diameter) and place them over the threaded holes on the roof. Starting with the middle assembly, place the mount on the spacers and insert the long M6 bolt with a washer, do on both sides. Then grab the rear assembly and place it in the rear position and use the same M6 bolt and washer. DO NOT TIGHTEN THE BOLTS, leave them hand tight.
 9. Now we can install the side panels. There is a driver and passenger side panel. To identify them, you place the threaded insert towards the center of the truck, the side panel should be flat on the outside. Open your side panel hardware kit. Place a washer on the bolts and with the help of a friend, hold the side panel up to the extrusions on the truck. Now insert the bolts through the holes in the top of the rack and thread them into the end of the extrusion. Use the front valance as a reference to which holes the middle and rear extrusions line up with. Because the front, middle and rear mounts are all slotted, use the adjustment to line them up and insert the bolts. For the front, the front mount has threaded inserts installed already, so just insert the bolts the same way as the extrusions. Do this for both sides. DO NOT TIGHTEN, leave the bolts hand tight.

10. Next is the very front extrusion. If you ordered one of our combo deals or LED mounts separately, you will need to continue on. If you have an economy rack with no LED mounts for the front, just use the same bolt and washer setup and install the front extrusion bar. If you did get one of our LED combos or mounts, you will want to install the mounts loosely before installing the LED. To do this, hold the supplied mount up to the extrusion. Seeing where the t-slots need to go (different mounts use different locations), insert the t-slots that came with your LED hardware kit. Then use the bolts and washers also supplied to bolt the mounts to the extrusion. Center your LED and tighten all the bolts to the mounts and LED. Then put the extrusion in place on the rack with the mounts pointing the right direction and install it to the rack.

ECONOMY RACKS – To finish your rack install, place the remaining extrusions in position as you did with the front extrusion. Next tighten down all the bolts on the side panel. Next we need to center your rack. Get in the bed of the truck with a tape measure. Measure from the side panel to a reference point on the roof (the channel that the weather strip is in works great). Measure from both sides and adjust left to right until the rack is centered. Then tighten the bolts going into the extrusions. Next tighten the middle mounts where they go into the extrusions. Then pull or push the rack forward or backwards until the front weather seal is setting nicely against your roof. After the rack is positioned where desired, tighten all the M6 bolts to the roof. After that, you are all set!

PREMIUM RACKS BOTH STANDARD AND 360 – Follow the last few steps and options depending on the rack you purchased.

11. We will now put on the rear extrusion and fairing. To start open the rear fairing hardware kit. Take a black extrusion and side in 4ea t-nuts into the small side with one slot. Then grab 4ea 1/4x20 bolts that are 5/8" long and install the extrusion to the side panels, with the t-nuts facing rearward towards the back of the truck. Once the extrusion is up and in place, you will need to grab the 2ea included small "L" brackets. Using another 5/8" long bolt and washer, attach these to the side panels. These go into the side of the "L" bracket with the threaded insert. DO NOT TIGHTEN, leave these hand tight.
12. Next you need to put up the rear valance. Before installing, hold the rear fairing in place. Using a screw driver slide the t-slots left or right so they will line up with the holes in the fairing. Grab 4ea of the 1/4x20 bolts that are 1/2" long, and 4ea black washers. Install the bolts through the fairing and into the t-nuts. DO NOT TIGHTEN, leave these hand tight.

Premium racks with Standard sides – Using the bolts and hardware included with the rear valance, put a washer on the bolt, insert it through the valance and "L" bracket, then put on another washer and the lock nut. Do this for both sides. Once everything is in place, tighten all the hardware.

Premium racks with 360 lighting – If you purchased the 360 lighting rack, but not the pods, please follow the standard instructions above. If you purchased pods for the rear of your rack, you will need to put the pods in the rear valance. They have threaded inserts on one side of the cutout. Using a 5/8" long bolt, put the bolt through the LED and into the rear valance and threaded insert. This will hold the pod in place. Now, insert a 1/2x20 bolt, 3/4" long, through the LED pod, then valance and "L" bracket, then put on a washer and the lock nut. Do this for both sides. Once everything is in place, tighten all the hardware.

13. Now we are almost done, we just have two more extrusions to install.

Premium racks with Standard sides – Using the bolts and hardware included with the side panel hardware bag, put the remaining two extrusions in place. Put in the bolts with a black washer in all locations. Once all the extrusions are in place, you can tighten down all the bolts for the side panel. You are now done and can enjoy your new roof rack!

Premium racks with 360 lighting – If you purchased the 360 lighting rack, but not our LED pod and mounting kit, please move up and follow the standard side instructions. If you did buy the pod and mount kit, open your hardware bag for the pod mounts. Hold the pod mounts onto the side of the extrusion to see how they set in place. Then slide in two t-sots on each side of the extrusion for the pod mounts. Then using the bolts and washers loosely attach the pod mounts to the extrusions. **DO NOT TIGHTEN**, leave these hand tight. Now as you have done in previous steps, use the hardware from the side panel bag and put the extrusions in place on the rack. Once those are both up, take your pod and the included long bolt and nut and attach you pod to the mount. Side the mount left and right to achieve the pod position you desire, then tighten the bracket to the extrusions, and the pod to the bracket. Once all four pods are tight and in place, it is time to tighten the side panel down. Tighten all the bolts down along both side panels. Lastly, grab the two knobs and thread them onto the studs that are sticking out of the slots on the side panel. Now you are done with the rack installation and ready to enjoy your new roof rack!



