



Protecting Your Adventure Lifestyle

SUBJECT: INSTALLATION INSTRUCTIONS: 3850 FJ Cruiser Folding Pre-Runner Light Bar

1. Begin by removing the 2 torx bolts on the front most mount point of the factory roof rack. Do this on both sides of the vehicle.
2. Locate the left and right mounting brackets and the hourglass bushings. Press bushings into the mount brackets carefully. This is done easily with a bench vise or C clamp. WD-40 can make pressing them in easier as well.
3. Remove the 4 small plastic plugs from the tube on the front of the rack to expose 4 octagonal holes in the tubing. Using a drill and a sharp 5/8" drill bit, drill the octagonal holes out. Be careful to hold the drill straight and only drill through the first layer.
4. Push the 4 supplied rubber well nuts into the 5/8" holes you've drilled. They should fit snug in with the shoulder on the nut being on top of the tube.
5. Identify your left and right brackets by setting them onto the rack. They should only fit one way. This photo displays the bracket installed on the passenger side. Do not bolt them up as you must first assemble the bar.
6. The light bar itself has dimpled holes across on one side. This is the front of the bar. With the brackets identified, slide the brackets onto each side of the light bar. To slide the bushings over the studs, it may be helpful to again use WD-40 to get them installed.
7. It is your choice, but it may be easier to assemble your lights onto the bar before placing the bar onto the roof. If you prefer to install them before, do so now.
8. With the brackets installed onto the light bar, you can now set the light bar into place on the rubber well nuts on your roof rack. To do this you will need to spread open the two legs on the roof rack to gain the space needed to slide the light bar into place. Once you have the light bar into place, use the 5/16" allen head bolts and 5/16" flat washers supplied to bolt the light bar down. You can now bolt your roof rack back into place as well.
9. Locate the two 9" struts with threads on each end and the four ball joint assemblies. Also locate the included 3/8" fine thread nuts (non-locking). Thread a nut onto each end of the two struts. Thread a ball joint onto each end of the two struts. Thread the ball joints on all the way, and then adjust them so they are pointing opposite directions on each end. The end on that will attach to your strut brackets will point to the outside of the vehicle and the end that will attach to your light bar will point to the inside of the vehicle. Tighten the nuts against the ball joint to lock them in place.
10. Locate your clam shell brackets, four 5/16" small flat washers, and three lobed knobs. Assemble these onto the bar of your roof rack on each side so that the knobs are on top, and the clamshell with the extra ear is pointing downward and is on the inside edge of the rack. As shown in the photo, you will want to have two washers between the lobed knob and the clam shell.





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11. Use the 3/8" washers and top lock nuts supplied to bolt the struts to the light bar and to the clam shell brackets. The photo here is a good reference for steps 9 thru 11.
 12. Slide a 3/8" USS (larger) flat washer and locking nut over the studs that mate the light bar to the mount brackets and tighten.
 13. At this point you should have everything assembled. Adjust your light bar angle and tighten clam shells to secure it into place. Once wired you can adjust aim of the light bar more so to perfect the angle. You can mark the clam shell location on the bar with tape or a marker for quick reference when folding and unfolding so that you do not need to re-aim each time.
 14. To fold the light bar down, loosen both clam shells and slide them backward as you guide the light bar down. It does need to have some upward angle to it in order for it to properly lock into place. Once folded back to a comfortable spot, tighten clamshells to lock into place.
 15. Complete your installation by running your wiring. Warrior does not provide wiring instructions for your light bar. You will need to choose a good location to get wires into the vehicle, most likely through a hole you will create in the roof. To ease the wiring, Warrior recommends the use of the sPod power distribution system.

Learn more about off-road lights we have.