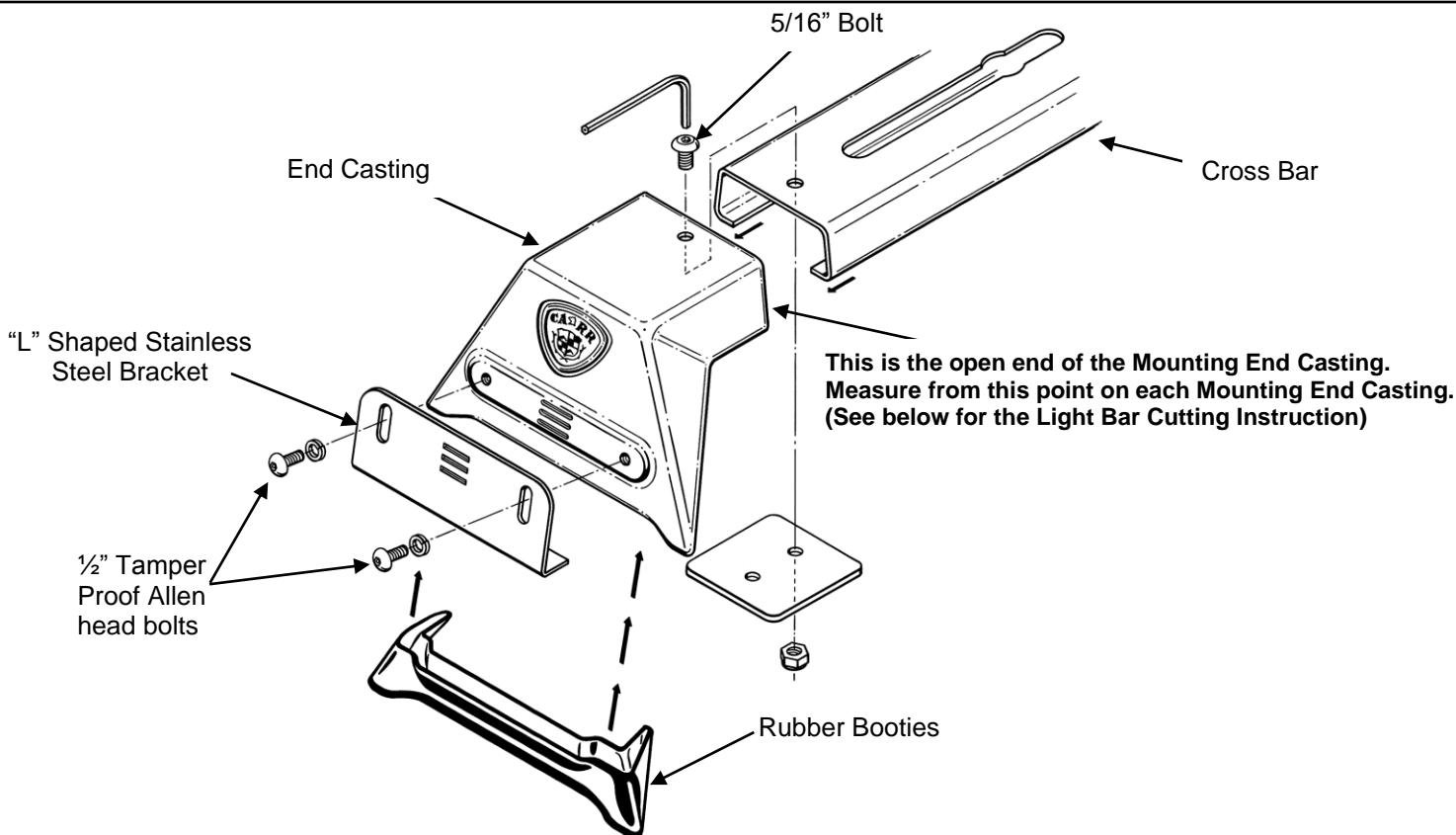


# LOW PROFILE LIGHT BAR MOUNTING INSTRUCTIONS

Part No: 210501

To view video installation, go to – <https://youtu.be/LnQj5CXu-5o>



## LIGHT BAR CUTTING INSTRUCTIONS

1. Two people will be needed to complete this task.
2. **Place ONLY THE MOUNTING END CASTING** into the rain-gutters of your vehicle.
3. Level each Mounting End Casting so that the top flat area is parallel to the horizon.
4. Take a tape measure and measure the distance between each open end of each Mounting End Casting.
5. Add 4 inches to that dimension.
6. Subtract that total from the total length of the bar, which is 56".
7. Take the difference and divide it by two.
8. The amount divided by two is the amount you will cut off each end of your bar.

**MATERIALS NEEDED:** Vice, hacksaw, pencil, drill motor and 5/16" drill bit may be needed. Tape Measure, 1/2" wrench, flat-blade screwdriver..

**MATERIALS FURNISHED:** One hardware pack, two end castings, cross bar, instruction page.

## SPECIAL NOTE: VEHICLES NOT HAVING RAIN GUTTERS WILL REQUIRE RAIN GUTTER KITS:

- |          |   |
|----------|---|
| #220041- | '05-'07 Toyota Prerunner /Crew Cab, '07-'14 Toyota Tundra, '05-'07 Toyota 4 Runner,   |
| #220051- | '04-'18 Chevy Colorado/GMC Canyon, '97-'04 Dodge Dakota, '05-22 Jeep Grand Cherokee, '06-'10 Jeep Commander, '83-'93 Mazda B-Series P/U, 98-'01 Nissan Frontier Reg .Cab, '00-'06 Toyota Tundra, '96-'04 Toyota Tacoma/Prerunner/Crew Cab/4-Runner, '01-'07 Toyota Sequoia      |
| #221501- | '94-01 Dodge Ram 1500 PU All Cabs   |
| #220061- | '02-21 Nissan Frontier Crew Cab, '00-'16 Nissan Xterra-w/o Opt. Roof Rack, 15-22 Chevy Colorado/GMC Canyon, 19-22 Chevy/GMC Sierra/Silverado C/K '19-22 Ram1500 New Body Style All Cabs, 19-22 Ford Ranger  |
| #220541- | '00-'13 Chevy/GMC Sierra/Silverado C/K P/U/FS, '01-'10 HD, '02-'09 Chevy TrailBlazer/Envoy '02-13 Avalanche 02-20 GMC/Denali Truck, '02-'08 Dodge FS 1500 P/U & Quad, '03-'14 Dodge 2500/3500 P/U & Quad, '06-'08 Dodge Mega Cab 1500, '06-'13 Dodge Mega Cab 2500/3500 Ram P/U |
| #223411- | '88-99 Sierra/Silverado C & K PU / Fullsize   |
| #220081- | '14-18 Chevy/GMC Sierra/Silverado C/K P/U/FS, 19-22 Ram 2500-5500 All Cabs '19-21 Ram1500 Classic   |
| #223411- | '88-'99 Sierra Silverado C&K P/U/FS   |



## **Quality and Style that Endures**

Follow the diagram and the written directions carefully for a proper, safe installation.

Should you encounter an unusual, unforeseen problem, contact our Technical Help Line  
7:00 AM – 3:00 PM Pacific Time  
(951) 719-1068

Visit our web-site at  
[www.CARR.com](http://www.CARR.com)  
Warranty Information  
on our website

Carr Pattern Co., Inc.

## **WARNING!**

**THIS CARR LIGHT BAR IS DESIGNED TO HANDLE A TOTAL WEIGHT OF (20) LBS. ANY ADDITIONAL WEIGHT BEYOND THIS CAPACITY, MAY RESULT IN SERIOUS DAMAGE TO YOUR VEHICLE AND/OR ANOTHER VEHICLE.**

# LOW PROFILE LIGHT BAR MOUNTING INSTRUCTIONS

Part No: 210501

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## WARNINGS!

- ✓ Do not over tighten the nuts and bolts or damage to the castings and or stripping of the threads could result.
- ✓ FOR SAFE AND PROPER USAGE OF THIS PRODUCT, THE MOUNTING INSTRUCTIONS MUST BE FOLLOWED CAREFULLY AND COMPLETELY.
- ✓ The manufacturer and distributor of this product are in no way responsible for the consumer's failure to adhere to the warnings and directions of these instructions in the event of damage to the consumer's vehicle, other properties and or personal injury.
- ✓ DO NOT REMOVE the PVC tape from the light bar until cutting is completed. When cutting black bar leave plastic bag on and wrap a rag around bar before putting into a vise so no scratching of paint will result. Remove the PVC tape from the brackets (does not apply to black brackets). The light bar will not tighten properly unless the bar is straight across the cab.

1. Please read the Light Bar Cutting Instructions on the other side carefully.
2. Measure and mark a line using the information from the Light Bar Cutting Instruction on both ends of the steel bar.
3. Clamp the end of a bar into a vise. (Be careful not to scar the finish of the light bar).
4. Using a hacksaw, cut carefully along the marked lines. If a vise is not available, put the bar on a table, secure tightly and cut.
5. Place the black plastic booties on the feet of each casting.
6. With the holes in the bar, in the up position, take the casting and by squeezing the end of the bar, place the casting on the bar, until the inside top wall of the casting is flat against the inside of the bar.
7. Take a 5/16" Allen head screw and put it through the hole in the casting, and the slot in the bar, with the head of the screw in the up position. (If there is no slot in the bar after cutting the bar to the length, place both castings on the bar, position the entire bar on the truck in its final position so that each casting sets completely in the rain gutters. Use the top holes in the castings as a guide and mark the holes on both ends of the bar. Take the castings off the bar and drill out the marked holes with 5/16" drill bit).
8. Take the larger washer and put it inside the bar, with the 5/16" Allen head screw, going through the washer.  
**IMPORTANT: Be sure that the large washer is completely underneath the casting.**
9. With the larger washer in position, take a nylon lock nut and Allen wrench provided, and lightly tighten the bar to casting.
10. Follow the same procedure in steps 5 - 9 to attach other casting to the bar.
11. With both of the castings lightly tightened to the bar, take the entire bar and place the bar, with the castings, into the rain gutter of your vehicle. Note: If your vehicle does not have rain gutters, please refer to the SPECIAL NOTE on the other side of this page.
12. Loosen, **DO NOT REMOVE** hardware on bar and casting.
13. Slide castings in or out on the bar, so that each casting sets completely in rain gutters. **IMPORTANT: Make sure that the bar is centered and that the bar is evenly divided into each casting and that each casting is directly across from each other.**
14. Once again, take the Allen wrench and tighten securely the bar to each casting.
15. Position the foot of the "L" shaped steel brackets underneath the rain gutter and line up the vertical slot of the bracket with tapped hole in the casting. Insert two 1/2" tamper proof Allen head bolts with lock washers through the "L" bracket securing the bracket to support casting. **DO NOT TIGHTEN!**
16. Place a flat-blade screwdriver through the desired horizontal slot in the steel bracket, at the same time put the screwdriver into one of three slots provided in the casting. (Proper selection of the slots in the bracket and the slots in the casting will result in a tighter fit on the vehicle.)
17. Push the screwdriver against the casting and pry up against each bracket, one at a time, until both the casting and brackets are tightly secured in place. Tighten the two Allen head bolts. **CAUTION: Prying up excessively could result in bending of the bracket or stripping the slots in the castings.**
18. Follow the same procedure in steps 15, 16, and 17 to secure other casting to rain gutter.
19. The bar and casting should now be tightly secured to the vehicle.
20. Your light bar hardware may settle in. After 2 or 3 weeks of use, go back and re-tighten all hardware. A periodic check on all hardware is recommended.
21. Do not lose your Allen wrench.

## Carr Pattern Co., Inc. Warranty Policy

**Finishes:** Limited Lifetime

**Structural Warranty:** Limited Lifetime

### Warranty Conditions:

- a. All warranties start from consumer's date of purchase.
- b. A new product will be sent out immediately to replace a warranty claim.
- c. The above guidelines apply only to the Original Purchaser.
- d. Original proof of purchase must be submitted for all warranty and returns issues.

### Warranty Limitations:

- a. Warranty coverage extends ONLY to repair or replacement of the CARR product. This warranty does not cover the cost of labor, transportation, installation or removal of the product.
- b. Warranty coverage does not extend to damage caused by: collision, fire, theft, freezing, vandalism, riot, explosion or object striking the product, or misuse of the product and/or the vehicle on which the product is being installed.
- c. Warranty coverage does not extend to damage caused by: airborne fallout (chemicals, tree sap, etc.), stones, hail, earthquake, water or flood, windstorm, lightning, the application of chemicals or sealants subsequent to manufacture.
- d. Warranty coverage does not extend to damages caused by: normal wear and tear, abuse, modification or improper installation of the product.
- e. Warranty coverage does not extend to any economic loss or extra expense including (without limitation), payment for the loss of time or pay, inconvenience, storage, loss of vehicle use, vehicle rental expense, equipment rental expense, lodging, meals, or other travel costs.

### Other Terms:

This warranty gives you specific legal rights and you may also have other rights that vary from state to state. CARR does not authorize any person to create for it any other obligation or liability in connection with its products. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLICABLE TO THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WRITTEN WARRANTY. PERFORMANCE OF REPAIRS AND NEEDED ADJUSTMENTS IS THE EXCLUSIVE REMEDY UNDER THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY. CARR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM BREACH OF THIS WRITTEN WARRANTY.\*

\*Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages, so that above limitations or exclusions may not apply to you.

**Guarantee:** Every attempt has been made to manufacture and distribute the finest quality products available. Our manufactured products are guaranteed to be free of defects due to workmanship or materials. Distributed products are subject to manufacturer's warranty only.