



# ZROADZ

DYNAMIC LED MOUNTING SOLUTIONS



**PROFESSIONAL INSTALL RECOMMENDED**

**2005-2021 TOYOTA TACOMA**

PART#: Z339101

**FRONT ROOF LED LIGHT MOUNTS**

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## PARTS INCLUDED

- (1) - Driver Side Roof Mount Upright
- (1) - Passenger Side Roof Mount Upright
- (1) - Driver Side Straight Coupler
- (1) - Passenger Side Straight Coupler
- (1) - Hardware Pack



\* Simulated Rendering, Not actual parts.

## LED LIGHTS INCLUDED

**Z339101** - No LED Lights Included

## HARDWARE INCLUDED

### Z339101

- (1) - Weather Proof Rubber Boot
- (1) - 3/16 DIA. Wire Clip Mount
- (2) - 1/2 x 20 Hex Nut
- (2) - 1/2 Split Lock Washer
- (8) - 10-32 x .562 Button Head Allen Cap  
Stainless Steel Screws
- (8) - 10/32 Nylock Stainless Steel Nuts
- (1) - Driver Side Bottom Plate Gasket
- (1) - Passenger Side Bottom Plate Gasket

## TOOLS REQUIRED

- Tapered 1/2" drill bit or car reamer
- Drill
- Air Hose & Nozzle
- Alcohol Cleaning Solution
- Cleaning Rag
- Socket Set & Ratchet Tool
- Ratchet Extensions
- Various Wrenches
- Dikes or Snips
- Torq Bit Set
- Heat Gun

**MATERIALS NEEDED** - Clear RTV Silicone  
- 1/2" x 1/4" DIA Shrink Tube

## INSTALLATION GUIDE

### START HERE

PLEASE READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE INSTALLATION. Auto makers offer varied models to each vehicle and occasionally manufacture more than one body style of the same model.

\* APPLICATION MODELS VARY. WE RECOMMEND TO VERIFY FITMENT BEFORE BEGINNING INSTALLATION PROCESS.  
\* IMAGES FEATURED IN THE INSTRUCTION DOCUMENTS MAY NOT ALWAYS EXACTLY MATCH YOUR MODEL OR PART.

### BEFORE YOU BEGIN

START HERE: Turn off engine, chalk tires with stop block, open the hood and disconnect the battery.

### LED LIGHT BRACKET INSTALLATION

- STEP 1** 1) Drop OEM headliner down to allow access to the inside of vehicle roof moulding, per industry "R&R" method..



FIG 1

### STEP 2

2) From above, remove or push to the side roof seam moulding. (The Black Rubber Strip near both top edges of vehicle cab.)

### SEE FIGURE 2



FIG 2



## LED LIGHT BRACKET INSTALLATION - CONTINUED

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FIG 3

### STEP 3

3) Identify the weather strip roof seam molding mounting cleats and note that ZROADZ Bracket Uprights will be mounted directly butted up against this feature.



FIG 4

### STEP 4

SEE FIGURE 4

4) Obtain the supplied roof mount base gaskets to use as a template to locate the drill hole location. Lay the gasket in the roof channel.

DO NOT REMOVE THE GASKETS ADHESIVE LINER.



FIG 5

SEE FIGURE 5

Make sure to gasket is centered transversely (from right to left) in the channel. The front to back location of the gasket should be up against the molding mount / post.

## DRILLING VEHICLE ROOF



FIG 6

### PRO TIP

DO NOT ATTEMPT INSTALL UNLESS YOU HAVE A CAR REAMER OR TAPERED 1/2" METAL DRILL BIT!

### STEP 5

SEE FIGURES 6-7-8-9

5) Using the gasket hole as a locator, center punch the pilot hole location.

With the interior roof free and clear, drill a 1/4" hole in the roof gutter to pilot the mounting hole. Use a car reamer (as seen in Figure #7) or tapered 1/2" metal drill bit to open the hole to a final diameter of 1/2".

With the holes drilled through, clean off all drilling debris and flash INSIDE AND OUTSIDE OF THE DRILL HOLE LOCATIONS. This is a very important to create a flush sealing surface and you do not want to leave any chance of rust occurring.

Perform this step for both sides of the roof.



FIG 7

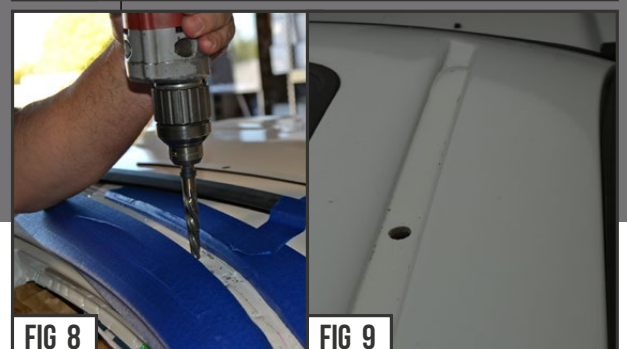


FIG 8

FIG 9

## LED LIGHT ROOF MOUNT INSTALLATION - CONTINUED



## LED LIGHT BRACKET INSTALLATION - CONTINUED

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FIG 10



FIG 11

### STEP 6

SEE FIGURES 9 - 12

6) Clean the base of the supplied roof brackets with alcohol. Once dry remove the liner of the base gaskets from step #4 and apply the gasket to the base of each bracket.

### STEP 7

SEE FIGURE 13

7) Before you install the bracket to the roof, check that the threads on the post after coming through the roof are clean.



FIG 12

## INSTALL ROOF MOUNT TO ROOF



FIG 13

### STEP 8

SEE FIGURE 14

8) Use a thin layer of clear RTV Silicone around outside of each drilled hole to help with weather proofing and sealing.



FIG 14

### STEP 9

SEE FIGURE 15

9) With the roof and channel area debris free and wiped down clean with alcohol cleaning solution, align the ZROADZ LED Mounting bracket to the roof and insert the through bolt threads down into the drilled hole.

Make sure the outside of the upright is coated black and says ZROADZ while the inside of upright presents the aluminum skin. Inspect your work to make sure you are happy with the position and then repeat for other side.



FIG 15

## LED LIGHT ROOF MOUNT INSTALLATION - CONTINUED



## LED LIGHT BRACKET INSTALLATION - CONTINUED

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FIG 16



FIG 17



FIG 18

### STEP 10

SEE FIGURES 16 - 18

10) With the two brackets installed, check that the threads on the post after coming through the roof are clean. Install the split lock washer and the hex nut and tighten securely.

### STEP 11

11) Check to make sure the upright is secured and firmly attached to top side of roof.



FIG 19

## LED LIGHT INSTALL

### STEP 12

SEE FIGURE 19 - 21

12) Obtain the supplied security torx, lock washer and tool bit from the hardware pack. With a friend's help, install the 40" light to the brackets with the wire on the drivers side. Tighten hardware by giving the torx bit some extra leverage.



FIG 20

### STEPS 13

SEE FIGURE 22

13) Secure the wire to the driver bracket with supplied wire clip and nut. Leave slack in the wire from LED to the wire clip for some movement & available adjustment.



FIG 21



FIG 22

## LED LIGHT ROOF MOUNT INSTALLATION - CONTINUED



## LED LIGHT BRACKET INSTALLATION - CONTINUED

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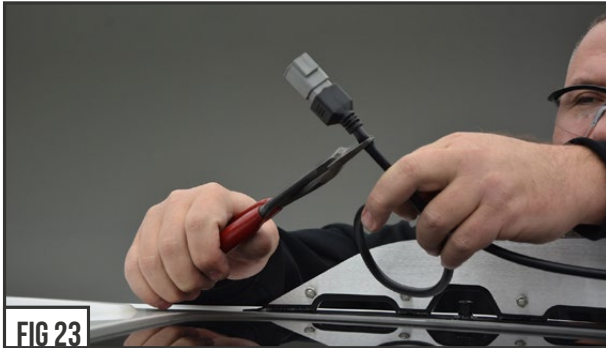


FIG 23



FIG 24

### STEPS 14

SEE FIGURE 23

14) Cut the LED light wires. Leave enough room for the insulation to be removed and the red and black wires to pass through the roof via the "Through Bolt Down Tube".

### STEP 15

SEE FIGURE 24

15) Trim back a large amount of the insulation sheath off the LED Wires so that you can slip them through the rubber weather proofing boot.

To expose the wires, a sharp razor could easily splice open the insulation sheath.

## WIRING PLUMBING



FIG 25



FIG 26

### STEPS 16

SEE FIGURES 25 & 26

16) Install 1/4" heat shrink insulation over wires as shown in Figure #25. Shrink insulation with heat gun or similar.



FIG 27

### STEPS 17

SEE FIGURES 27

17) Use a 50/50 mix of dish soap and water solution to install supplied boot over wire as shown on page #2 Fig. 6.

Pass the wire through the tube. Use a liberal amount of solution on the bracket around the area where the boot installs to aid in slipping the boot over the post.

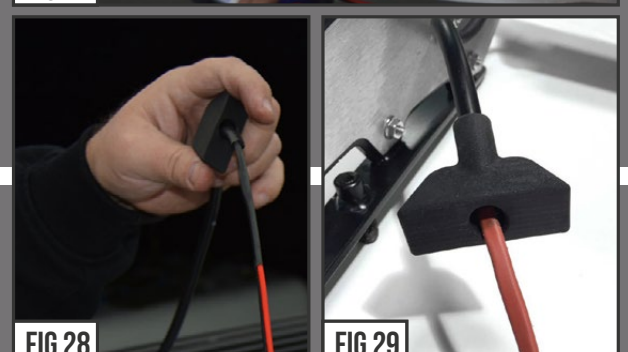


FIG 28



FIG 29



FIG 30

## LED LIGHT BRACKET INSTALLATION - CONTINUED



## LED LIGHT BRACKET INSTALLATION - CONTINUED

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FIG 31



FIG 32

### STEPS 18

SEE FIGURE 31

18) Stuff the boot into the bracket opening and over the down tube upright.

### STEP 19

SEE FIGURE 33 - 34

19) With the rubber boot fully seated (as seen in Figures #33 & 34) you are now ready to finish wiring up the LED Light bar to a wiring harness.

After wiring is complete, re-install vehicle's interior in the reverse order it was removed according to industry "R&R" method.

## FINAL INSTALLATION



FIG 33



FIG 34



FIG 35

### STEP 20

20) Wire LED Light with a ZROADZ optional wiring harness kit (part# Z390020S-A) or by utilizing a compatible custom wiring harness. ZROADZ recommends LED Lights be wired with ZROADZ harness kit (part# Z390020S-A).

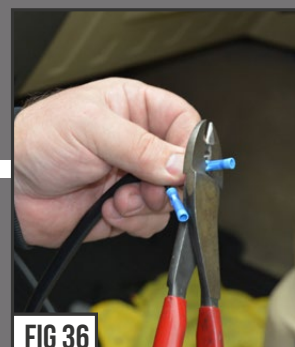


FIG 36

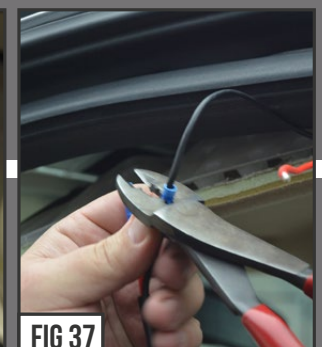


FIG 37

### STEPS 21

ADJUSTMENT TIPS

21) To adjust the angle of your Light Bar, rotate the LED(s) to adjust the angles till your desired light pattern is reached. There will be minimal adjustment due to curved light bar orientation. You may than tighten the hardware and secure everything into place. Be careful not to over tighten the mounting hardware.

It is best to adjust the angle with the vehicle on level ground with lights facing a wall, garage door or other solid barrier. We recommend checking from a distance of 25'. Your installation is now completed.

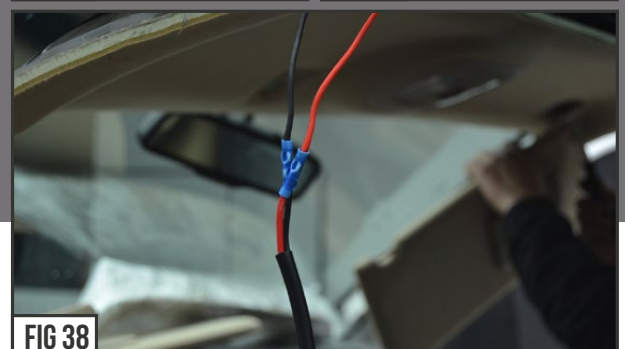


FIG 38

## LED LIGHT ROOF MOUNT INSTALLATION - COMPLETE



## WEATHER STRIP RE-INSTALLATION

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FIG 39



FIG 40

### STEPS 22

### SEE FIGURE 39

22) It is now time to trim the weather strip roof seam molding. Measure from the windshield to the front of the mount, and perhaps a bit over. You will also measure where the ZROADZ Bracket ends on the roof seam.

### STEP 23

### SEE FIGURES 40 - 41

23) With the weather strip roof seam molding removed, use those same measurements taken from step #22 and mark the molding piece where you will trim material.



FIG 41

### STEP 24

24) You will minus the length of the upright from the molding piece. A bans saw, cut off wheel, tin snips, or something of the sort will make a decent cut. File down any loose or rough material and re-install the trim molding on your vehicle.

### STEPS 25

### CHECK YOUR WORK

25) Carefully inspect your work. Check all hardware for tightness. Look over mounting area to check for gaps, possible leaks, and proper fitment. Once satisfied with your look over, take your ride for a spin.

## FINAL INSTALLATION



FIG 42



FIG 43



FIG 44

## LED LIGHT ROOF MOUNT INSTALLATION - COMPLETE