

Road Shower Support Brackets Installation Instructions



Introduction

Thank you for purchasing the Rocky Mountain Westy **Road Shower Support Bracket Kit**. We pride ourselves in the products we develop and would not bring an item to market that we did not fully believe in.

The **Road Shower Support Bracket Kit** allows you to mount your Road Shower on the rain gutter of your van instead of mounting it to your roof top cross bars. Having it mounted on the rain gutter keeps the road shower down low regardless if the top is popped or not. This makes refilling, pressurizing and even showering a much easier task. The spray nozzle will be much easier to access with its new lower position giving you more slack in the hose when showering and/or rinsing off your gear.

Van owners that want to purchase a Road Shower don't have to purchase a roof rack system as well in order to have the Road Shower installed. This **Road Shower Support Bracket Kit** eliminates the need for the roof rack system and the ability to accommodate a pair of Yakima/Thule Locking Knobs will help make your investment secure from theft!

Before You Get Started

It is recommended that you read through these instructions fully before beginning the installation process. This step will help you understand the entire process beforehand which will make the installation go smoothly. The Vanagon depicted in this installation is a 1985 Vanagon Westfalia.

Tools Required:

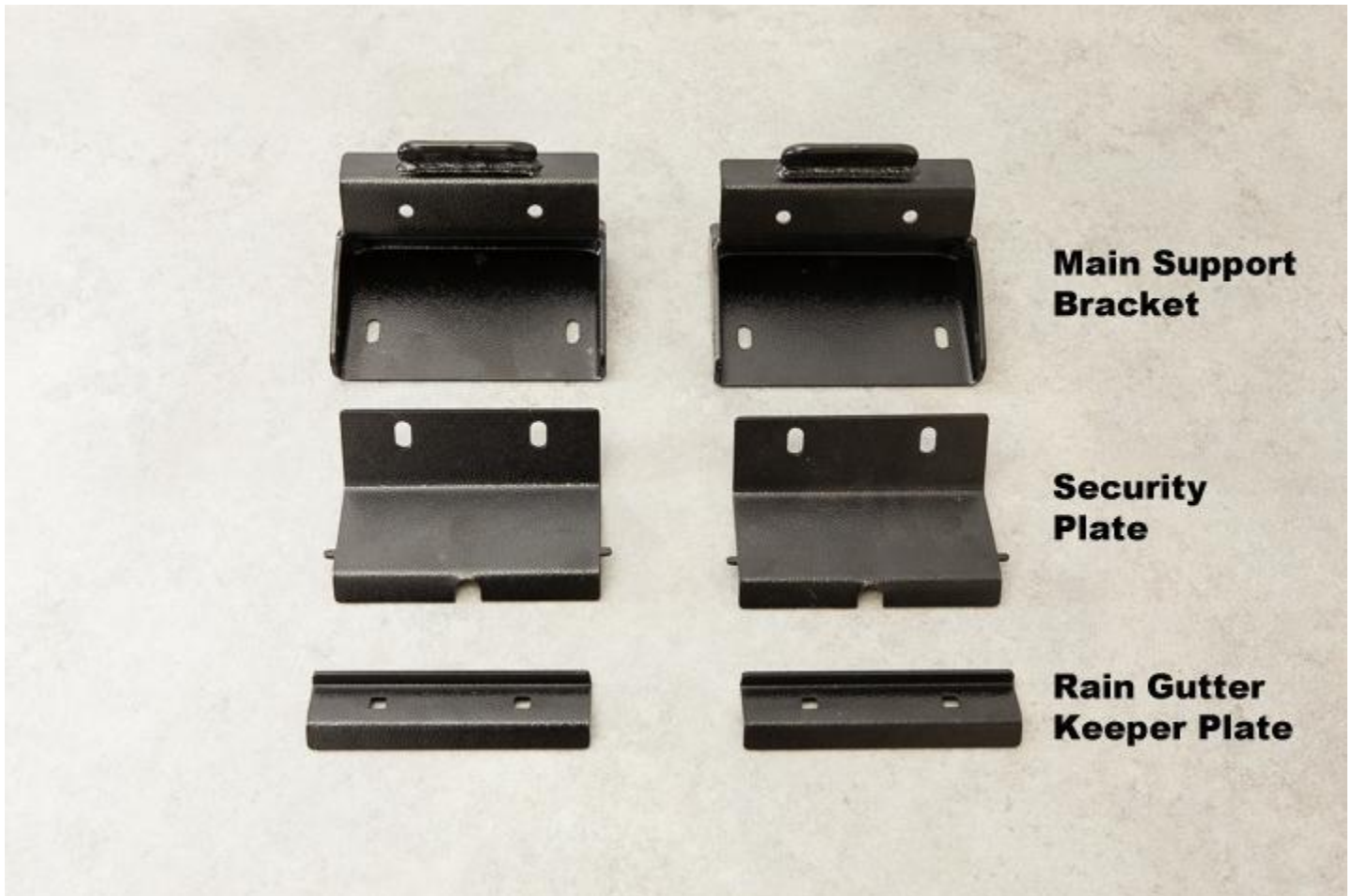
- ½" Socket
- 11mm Wrench
- 10mm Socket
- 5mm Hex Bit Socket
- Ratchet
- 6" Socket Extension
- Drill
- 3/8 Drill Bit
- Center Punch
- Hammer
- Masking Tape
- Sharpie
- X-Acto Knife

Parts Included:

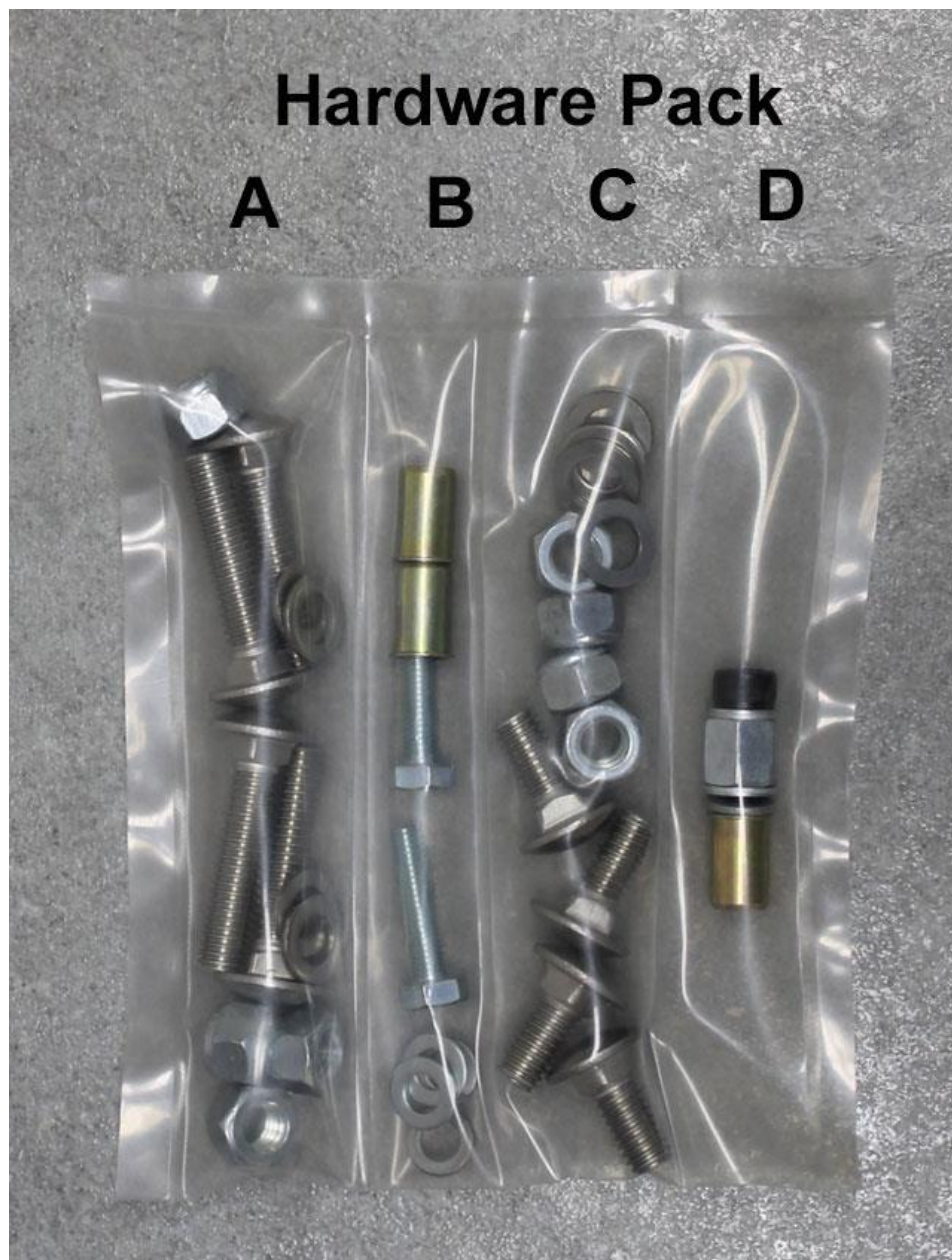
- Main Support Bracket (x 2)
- Security Plate (x 2)
- Rain Gutter Keeper Plate (x 2)
- Carriage Bolt (5/16x1.5 x 4 - Pack A)
- Flat Washer (5/16 x 4 - Pack A)
- Nylock Nut (5/16 x 4 - Pack A)
- Hex Head Bolt (6mm x 2 - Pack B)
- Flat Washer (6mm x 2 - Pack B)
- Lock Washer (6mm x 2 - Pack B)
- Rivet Nut (x 2 - Pack B)
- Carriage Bolt (5/16x.75 x 4 - Pack C)
- Nylock (5/16 x 4)
- Washer (5/16 x 4)
- Rivet Nut Tool
- Spare Rivet Nut (x 1 - Pack D)

Supplied Parts & Hardware

The **Road Shower Support Bracket Kit** is made up of six pieces which make up to the two bracket system. The **Main Support Bracket**, the **Security Plate** and the **Rain Gutter Keeper Plate**.



Also included in the kit is a **Hardware Package**. This **Hardware Package** is broken up into four sections. Each section will be referenced throughout the course of the installation. The separation of hardware will help you with the installation.



Prepping Your Bracket Kit

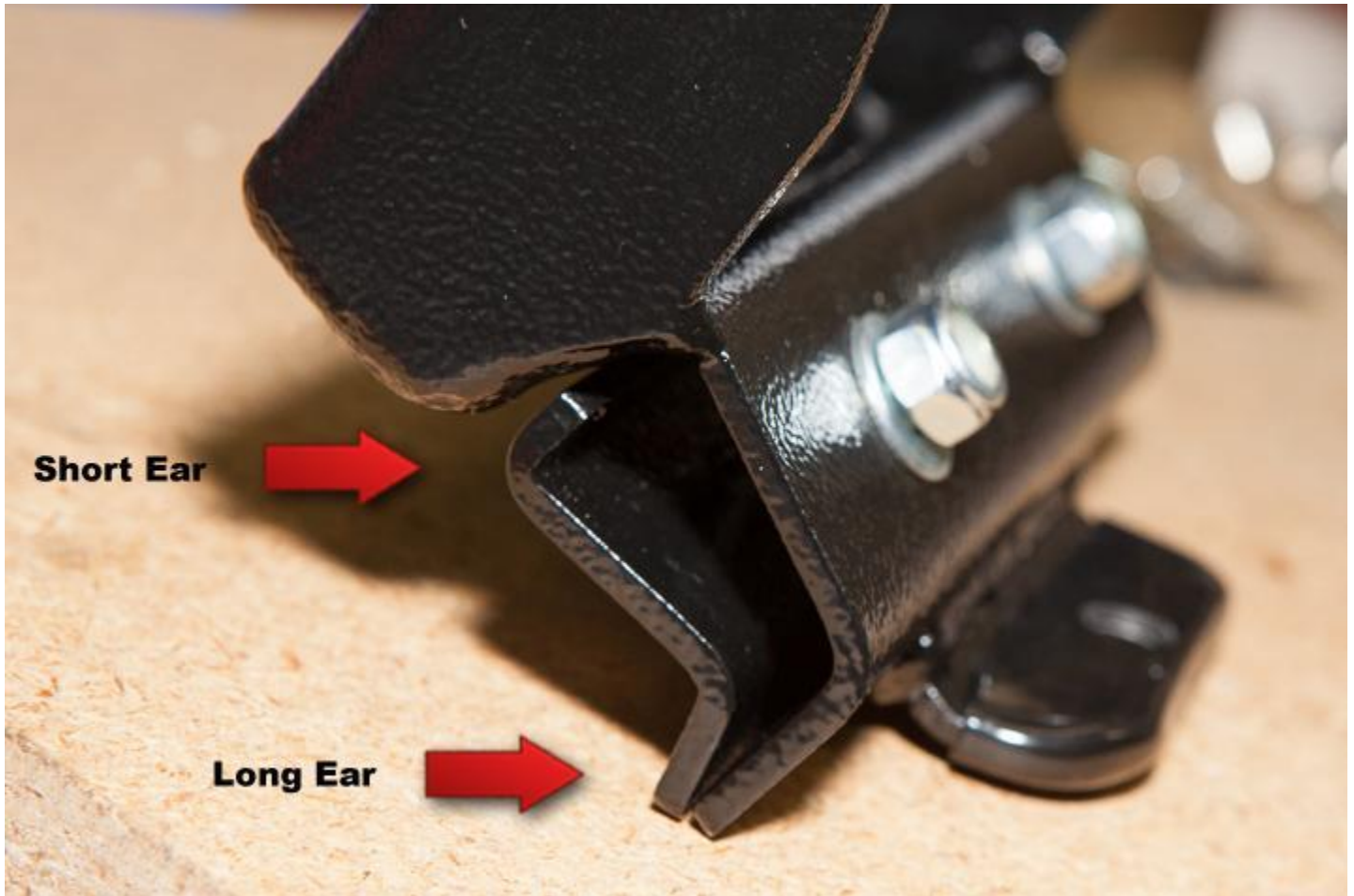
Each **Main Support Bracket** has a rubber covered foot which is there to help protect the paint of your van once installed. You will need to take an **X-Acto Knife** and cut the rubber cover exposing the hole in the plate within. The hole is located in the middle of the foot, push the tip of the **X-Acto Knife** through the rubber and simply let the blade of the knife follow the edge of the hole opening. Do this on from both sides of the foot on each of the **Main Support Brackets**.



The finished product should look like this. The rubber cover was cut from both sides exposing the mounting hole in the **Main Support Bracket** foot. This will allow a mounting bolt to be used without the interference of the rubber cover.



Take the **Rain Gutter Keeper Plate** and orientate it with the **Main Support Bracket** as shown. It is key that the short ear of the **Rain Gutter Keeper Plate** is towards the flat platform of the **Main Support Bracket** and the long ear is towards the foot with the rubber cover.



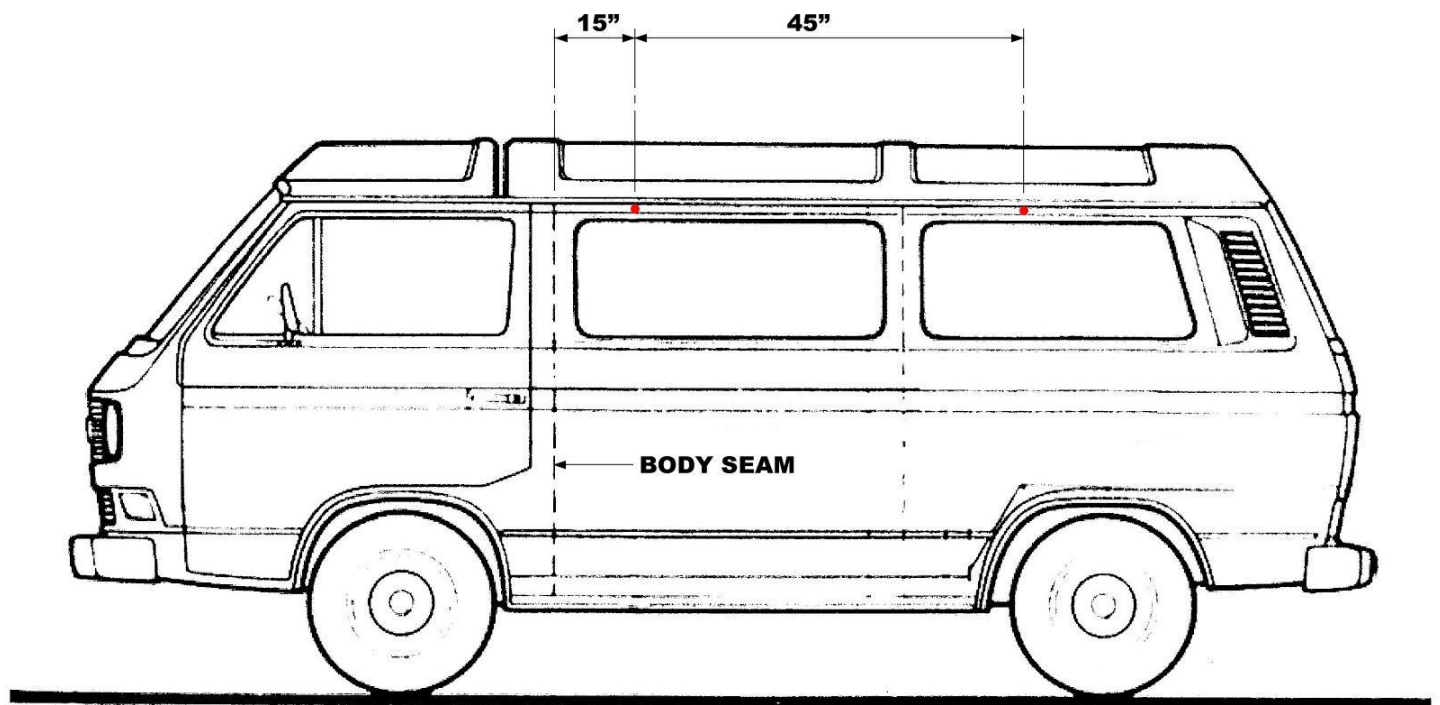
Use the contents of **Hardware Package A** in order to loosely bolt up the **Rain Gutter Keeper Plate** to the **Main Support Bracket**. The **Rain Gutter Keeper Plate** has two square holes in it which allow for the included **Carriage Bolts** to mount through in order to keep them from turning as you tighten the **Nylock Nuts** later in this installation. Loosely bolt up both sets of brackets.



Installing The Brackets

For this installation, we're installing the Road Shower on the driver's side of the van. The graphic below is where we located the center of the **Road Shower Support Brackets**. We measured off of the vertical body seam that's just behind the driver's side door.

Place an 8" long strip of **Masking Tape** horizontally at these two locations in order to help protect the paint when drilling into the van.



We'll install the bracket closest to the front of the van first. Slip the loosely assembled **Main Support Bracket** and **Rain Gutter Keeper Plate** onto the rain gutter of the van. Locate the center of the hole in the foot of the **Main Support Bracket** 15" from the vertical body seam that's right behind the driver's front door like the previous graphic shows.



Use a $\frac{1}{2}$ " **Socket**, **6" Socket Extension** and **Ratchet** in order to tighten down the **Nylock Nuts** with **Flat Washers**. This will help snug the bracket up to the rain gutter.



Now that the **Main Support Bracket** and **Rain Gutter Keeper Plate** are firmly in place we can locate the center point of the hole that we need to drill into the side of the van. Use a **Sharpie** to mark the center of the hole in the **Main Support Bracket Foot**.



The reason we mark the hole **AFTER** tightening down the bracket assembly is to be certain that the **Rivet Nut** that we're about to install lines up correctly with the hole in the lower bracket once the bracket is tightly secured.



Use a ½” **Socket**, **6” Socket Extension** and **Ratchet** in order to loosen the **Nylock Nuts**. Once the **Nylock Nuts** are loosened slide the assembly down the rain gutter exposing the mark on the **Masking Tape** you just made.



Using a **Hammer** and a **Center Punch**, indent the body of the van right where the mark is that you made with the **Sharpie**. This indentation will help your drill bit stay on course and not “walk” away from where the hole needs to be.



Use a **Drill** with a **3/8 Drill Bit** in order to drill into the van where indentation was made by the **Center Punch**. Be very careful during this step so that you don't scratch the side of your van. Slow and steady is key.



Take one of the **Rivet Nuts** from **Hardware Package B** in slide it into the hole you just drilled. The shoulder of the Rivet Nut should be facing outwards.



In **Hardware Package D** there are the pieces required in order to properly seat the **Rivet Nut**. The photo below shows the correct orientation of the **Allen Bolt**, **Flat Washer**, **Hex Sleeve** and **Lock Washer** in relationship to the **Rivet Nut** that you just placed into the hole drilled in your van.



Thread the **Allen Bolt** into the **Rivet Nut** and use a **Ratchet** and **5mm Hex Bit Socket** to tighten the **Allen Bolt** while using a **11mm Wrench** to hold the **Hex Sleeve** in place. As you tighten the **Allen Head Bolt**, a portion of the **Rivet Nut** inside of the van will collapse on itself making the **Rivet Nut** lock in place. Continue to tighten the **Rivet Nut** until you feel it collapse and lock on itself.

We've supplied a spare **Rivet Nut** in **Hardware Package D** in case you'd like to test the process on a spare piece of sheet metal in order to get a feel for when the **Rivet Nut** collapses and locks in place.



Once the **Rivet Nut** is set, remove the hardware you've used to set it in place. Your **Rivet Nut** should be nice and secure into the body of the van. This additional mounting location will help secure the **Road Shower Support Brackets** in place and help carry the load of a filled Road Shower.



SIDE NOTE: You can also use a Rivet Nut Tool like this one from Marson. They are much easier to use and help take all of the guesswork out of installing **Rivet Nuts**. These tools can be had for about \$60 on Amazon.



Slide the **Road Shower Support Bracket** back into place. Use a $\frac{1}{2}$ " **Socket**, **6" Socket Extension** and **Ratchet** in order to tighten the **Nylock Nuts** back down.



Use a **10mm Socket**, **6" Socket Extension** and **Ratchet** in order to tighten the **Bolt**, **Lock Washer** and **Flat Washer** found in **Hardware Package B** into the **Rivet Nut**.



Complete this entire Install process for the second **Road Shower Support Bracket**.

Installing The Road Shower

Place the Road Shower onto the two **Road Shower Support Brackets** you've installed. For this installation, the nozzle that the water hose connects to is located towards the front of the van.

There is a slot on the bottom of the Road Shower that runs the length of the cylinder. This is where you will slide all 4 **Carriage Bolts** included in **Hardware Package C**. **Please note: Because of variation of the end welds, it may be necessary to tap these into the track.**



The square shoulders of the **Carriage Bolts** will drop right into the slot on the bottom keeping the **Carriage Bolts** from rotating as you tighten them down.



Lift one end of the Road Shower up and slide **two 5/16x.75" Carriage Bolts** down so that they feed through the mounting holes on the top base plate of the **Road Shower Support Bracket**. Do this at both bracket locations so that all four **Carriage Bolts** feed through the **Road Shower Support Brackets**.



Find the four 5/16 Flat Washers and Nylock Nuts that were included in **Package C**

Center the Road Shower cylinder onto the two **Road Shower Support Brackets**. Once confident with the location, use a **1/2" Socket, 6" Socket Extension** and **Ratchet** in order to tighten the nylock nuts/flat washers found in your original Road Shower Kit.



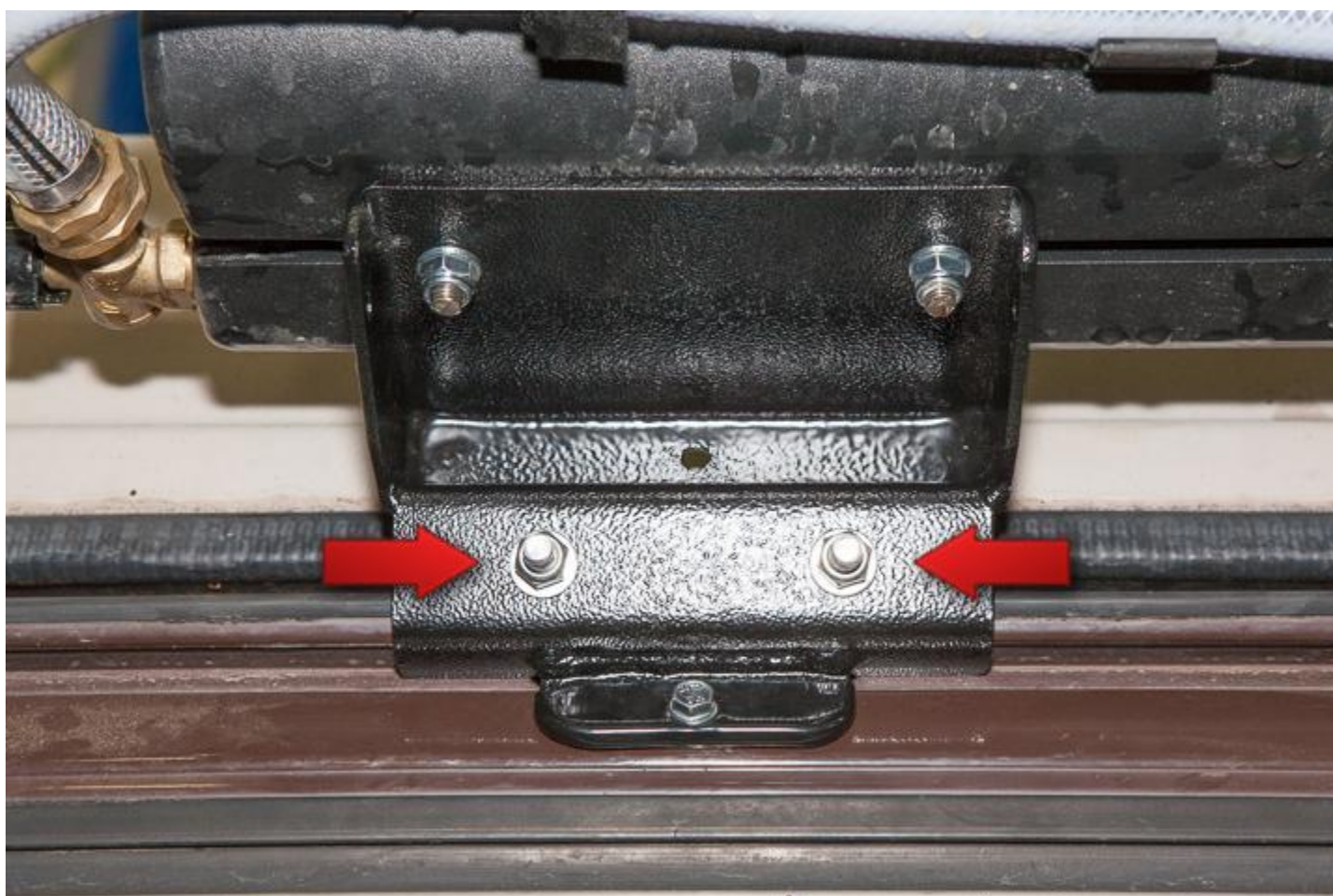
The product at this point should look like this.



Complete this entire install process for the second **Road Shower Support Bracket**.

Installing The Security Plate

Use a **1/2" Socket**, **6" Socket Extension** and **Ratchet** in order to remove the **Nylock Nuts** and **Flat Washers** pointed out below.



Place the **Security Plate** in place making sure the tabs on the **Security Plate** are inserted into the holes on the **Main Support Bracket**.



Use a $\frac{1}{2}$ " **Socket**, **6" Socket Extension** and **Ratchet** in order to reinstall the **Nylock Nut** and **Flat Washer** on one of the exposed **Carriage Bolts**.



We recommend installing a 5/16" Locking Knob onto the other exposed **Carriage Bolt** making your installation completely secure. This locking knob will keep thieves from being able to access any of the mounting hardware which makes your investment completely safe from theft.



Complete this entire install process for the second **Road Shower Support Bracket**.

If you do not have a 5/16" Locking Knob you can simply install the supplied **Nylock Nut** and **Flat Washer** as shown. Your Road Shower will be mounted but it will not be secure from theft until you can mount a set of Locking Knobs to your installation.



Installation Complete

You have now finished the Rocky Mountain Westy **Road Shower Support Bracket Kit** installation.



Now you can easily fill, pressurize and/or use your Road Shower easily even with the Top Popped in camping mode. The lower mounting configuration makes the Road Shower more usable in our opinion as well as it helps keep the 45lb setup off of the roof which means lifting the Pop Top is easier.



We are confident that you'll love this new mounting configuration.



The Rocky Mountain Westy **Road Shower Support Bracket Kit** as seen from the front of the van. There's plenty of clearance from your Pop Top as well as from your existing Yakima/Thule roof rack supports if you have them.



Thank you for your continued support of Rocky Mountain Westy products....