

# Ricochet UTV & ATV Armor Kit Installation Tips

Thank for your purchase of this Ricochet Off-Road Armor Kit. All of our kits are custom designed to fit each model and should install hassle free with no additional modifications required. Please carefully read through all included instruction sheets before beginning your install.

The tips described on this sheet are general mounting tips that may or may not apply to your particular model, refer to the attached model specific instructions for a step by step mounting procedure.

If you do encounter a problem during installation please check the FAQ on our website or feel free to contact us by phone or email using the contact info at the bottom of this page.

## **Required Tools:**

(refer to your hardware placement guide for bolt sizes)

## **Button Head TORX Bolts:** (socket bit is highly recommended)

8mm bolts use a T-40 TORX bit

6mm bolts use a T-30 Torx bit

## **Hex Bolts & Nuts:**

10mm bolts uses 17mm

8mm bolts uses 13mm

6mm bolts uses 10mm

1/4"-20 bolts uses 7/16"

## **Drill Bits:**

While we try to avoid drilling whenever possible some models require one or two mounting points to be match drilled. When instructions call for a drilled mounting point use an **11/32"** bit to match drill through the mounting point on the skid plate only after the plate has been fully secured to your machine using the other hardware listed on your hardware guide.

## **Locking Nuts:**

Most sets will include two types of locking nuts. Loose nuts are Nylock, and any nuts welded onto other hardware are pinch-style Stover lock nuts. It is highly recommended that you use a bit of Anti-seize or a drop of oil on the threads of the welded-on pinch style nuts, this will make the bolts go on and come off much easier.

## **Other helpful tips:**

- Before you begin the installation organize all the included hardware according to the hardware placement sheet so you can quickly find the correct bolts and brackets when you need them.
- Install all bolts finger-tight at first until all hardware has been installed, this will give you maximum adjustability.
- When using the cupped washers to secure the plates to factory mounting points do not over torque the bolts because the threads can strip easily. If you do strip one out the simplest way to repair the thread is to use a 1/4"-20 x 5/8" self tapping bolt.
- You may find it easier to remove the rear tires when installing the rear a-arm guards, it's typically very tight and hard to see when the tires are left on.

**Contact us at 1-866-273-1197 or [dh\\_gibbs@comcast.net](mailto:dh_gibbs@comcast.net) with any questions or concerns.**

## Installation instructions for part# 767U Ranger 1000

Step One: Start by removing the factory plastic skid plate from the machine.

Step Two: Using the supplied M6 Tap, cut threads in any of the dimpled holes in the frame that don't have threads. You can do this after you have hung the plates, but I find it easier to do this first.

Step Three: Take your 767M1U Plate, and attach it to the frame using your 833 Cup washers and 6x16 flange bolts. Just start two of the front mounts for now, and leave these loose.

Step Three: Now you can hang the 839Clamps around the frame rails. You can use the access hole in the skid plate or you can reach through behind the plate and install them that way. Take your bolts, with the heavy duty washers and the spacers, line up the clamp with the slot in the plate and start these two bolts. Leave everything loose for now. Now you can start the rest of your cup washers and 6x16 flange bolts. Leave the 4 rear mounts out for now, as they will be used to secure the next plate down as well.

Step four: Take your 767M3U plate, and slide it under the rear of the 767M1 plate. The M1U plate will overlap the M3U plate. Line up the plate, and start the two rear 833 Cup Washers with the flange bolts first, as it will be easier to align the two plates, without having to hold the M3 plate up. After the rear two cup washer mounts are installed, line up the plates where they overlap, and install the 833 cup washers and the silver 6x25 Hex bolts.

Step Five: Now you can start the two rear 8x25 bolts. They will have the heavy duty washer and spacer, the same as the bolts used on the clamps on the first plate. Run the bolts through the skid plate, and the existing holes in the frame. Place an M8 washer over the bolt, followed by the M8 nylock nuts. Leave everything loose for now.

Step Six: Now you can get the 767RU plate into position. It will slide under the plate in front of it, just like the other plates. Take your 3 remaining 833 Cup washers and 6x25 hex bolts, line up the slots and start these bolts.

Step Seven: Now you can take two of your 700-06 nut plates, with the 8x25 hex bolts, heavy duty washer and spacer, and run those through the middle side mounts of the skid plate, and through the frame. Take your 700-06 nut plate and thread the bolt into it.

Step Eight: Now take your two remaining 700-06 Nut plates. And they will drop into a frame channel just behind the rear differential. Start the two remaining bolts with the heavy duty washers and spacers.

Step Nine: Now you can square up all of your plates for the best fit, make sure the cup washers are all seated down in their counter bores. Once you are happy with the fitment you can tighten all of the bolts. We suggest tightening all of these by hand, as an air tool can damage the threads in the frame.

Step Ten: Now you can install the very front plate Part # 767T Take the pate and put it into position. Start your bolts through the skid plate with the HD washer and spacer. Take the regular washer and slide it over the bolts followed by the nuts. Square up the plate for the best fit, and tighten all of the bolts. This completes your installation. We also have a video on our youtube channel showing the installation process. Thank you for your purchase!

#### Hardware List For 767U Ranger 1000/900

##### 767TU

- 6) 8x25 Hex Bolts
- 6) M8 HD Washers
- 6) M8 Washers
- 6) 700-124 Spacers
- 6) M8 Nylock Nuts

##### 767M3U

- 6) 833 Cup Washers
- 4) 6x25 Hex Bolts
- 2) 6x16 Flange Bolts
- 2) 8x25 Hex Bolts
- 2) M8 HD Washers
- 2) 700-124 Spacers
- 2) M8 Washers
- 2) M8 Nylock Nuts

##### 767M1U

- 6) 833 cup Washers
- 6) 6x16 Flange Bolts
- 2) 839 Clamps
- 2) 8x25 Hex Bolts
- 2) 700-124 Spacers
- 2) M8 HD Washers

##### 767RU

- 3) 833 Cup Washers
- 3) 6x25 Hex Bolts
- 4) 8x25 Hex Bolts
- 4) M8 HD Washers
- 4) 700-124 Spacers
- 4) 700-06 Nut Plates
- 1) M6 tap and handle

767U Hardware Placement Guide  
Ranger 1000 and 900

