

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 with any questions or concerns.

We Also have a Youtube video showing the installation procedure for this kit.

Part# 780U

Installation Instructions and Hardware Guide For the Ranger Crew 900/1000

Step One: Start your installation by removing all of the factory plastic skid plates.

Step Two: Before you start mounting your Ricochet skid plates, you need to tap out the existing dimpled holes in the frame. You do not need to drill any holes. Polaris provides the holes, but they are not threaded from the factory. We are supplying you an M6x1 tap, and tap handle to cut the threads. It's a good idea to put some oil on the tap prior to cutting the thread. After tapping out the threads you can start your installation. If you miss a thread, you can still cut it with the plate in place.

Step Three: Get your 780M1U plate into position, and attach it to the frame using the 6x16 Flange bolts, and the 833 Cup Washers. The two rear mounts are also picked up by the next plate, so leave those bolts out for now, and leave the rest of the bolts loose.

Step Four: Before mounting your 780M2U plate, hang the 838 clamps around the side frame rails. Now mount your 780M2U plate using the 6x16 Flange bolts and cup washers. Leave all of these loose for now. Now you can mount the front two mounts that are the common mount to the 780M1U plate. These will use the 6x25 Hex bolts and cup washers. Now you can start the two bolts for the clamps you hung on the side frame rails. Take your 8x25 Hex bolts, and with the heavy duty washer and spacer, slide the clamp into position to line up with the hole in the skid plate and start both of these clamps. Use anti seize on both of these bolts.

Step Five: Take your 767M3U plate and get it into position. The front four mounts will be common mounts with the rear of the 780M2U plate. Start all of the cup washer bolts. It will be the 6x25 bolts for the front common mounts, and the 6x16 flange bolts for the rear side mounts. Leave all of these loose for now. Now you can take your 8x25 Hex bolts, heavy duty washers and the spacer and insert those into the slots at the rear of the plate, and through the hole in the frame, place a washer over the bolt followed by the nylock nut. Leave these loose for now.

Step Six: Now you can set your 767RU plate into position. Start the front bolts that are a common mount. These will use the 6x25 hex bolts and 833 cup washers. Now you can start the middle side mounts. Take you 8x25 hex bolt, HD washer and spacers, and slide them through the slot in the plate, and the hole in the frame. Take your 700-06 nut plate, and start the bolt. Use anti seize on these bolts. The rear mounts use the same hardware that you just used on the side mounts. On the rear you need to set the nut plate down into the frame just behind the rear differential. It's easiest to do this from the rear of the machine. The nut plates should sit down flush in the frame channel. Now you can start both of the bolts on the rear mounts. Use anti seize on these threads.

Step Seven: Now you are ready to align all of the plates for the best fit, and can start tightening your hardware. Make sure all of the cup washers are seated in their counter bores. Once you are satisfied with the alignment of the plates, you can start tightening all of your hardware, starting from the front of the machine, working your way to the rear of the machine.

Step Eight: You can now mount the very front skid plate. Take your 767TU plate and put it into position. This plate will mount with 6) 8x25 bolts, with the heavy duty washer, spacer, standard washer, and a nylock nut. Take your bolt, HD washer and spacer and slide it through the skid plate and the holes in the frame. Place a standard washer over the bolt, followed by the nylock nut. Start all six of these bolts. Align the plate for the best fit, and you can now tighten all six bolts. This completes your belly skid installation for your machine. If you run into any issues, please refer to the installation video on our youtube channel, or feel free to give us a call at the number listed above.

Hardware List For Part # 780U

780M1U

- 12) 833 Cup Washers
- 10) 6x16 Flange Bolts
- 2) 6x25 Hex Bolts

780M2U

- 10) 833 Cup Washers
- 6) 6x16 Flange Bolts
- 4) 6x25 Hex Bolts
- 2) 838 Clamps
- 2) 8x25 Hex Bolts
- 2) M8 HD Washers
- 2) 700-124 Spacers

767M3U

- 2) 833 Cup Washers
- 2) 6x16 Flange Bolts
- 2) 8x25 hex Bolts
- 2) M8 HD Washers
- 2) 700-124 Spacers
- 2) M8 Washers
- 2) M8 Nylock nuts

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) M6x1.0 Tap and Tap Handle

767TU

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



