

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.

Thread Locking Compound And Anti-seize Compound

A low strength locking compound is a good thing. We highly recommend using it on the 6mm bolts that thread directly into the frame. On these be careful not to over torque them as they are easy to strip out. On the chance you have some stripped locations they usually can be fixed by using a self-threading ½"-20 X ¾" bolt available at your local hardware store.

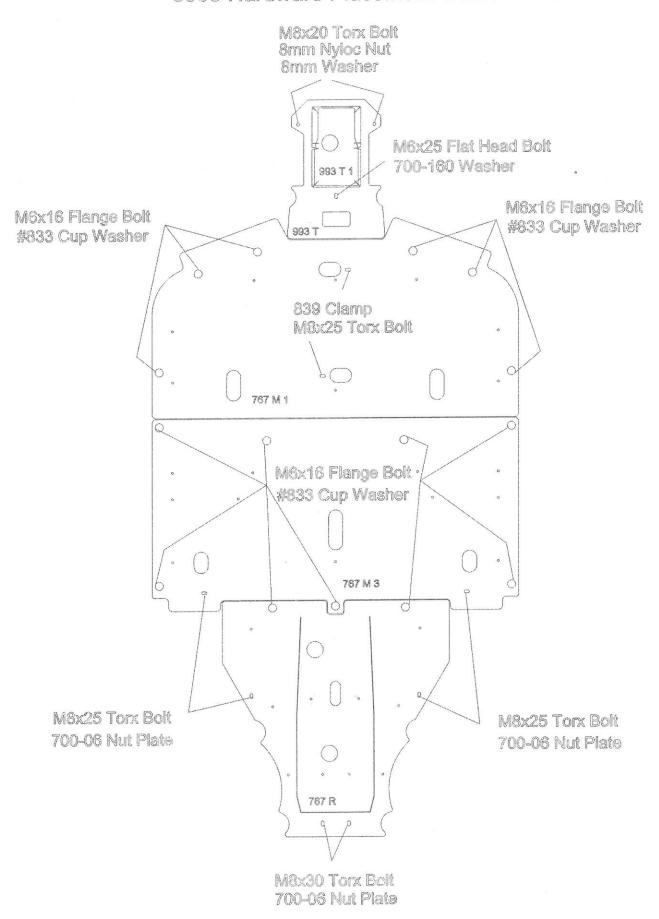
On the clamps, the thread locking compound is not quite as important but if you choose to do so make sure it's a low strength, high strength compound may make removal a little more difficult. We personally like to use antiseize compound on the clamps and mounting brackets for it will keep them from rusting especially in damp conditions. It's also recommended if you go this route to retighten these bolts after a few rides since some settling in may occur.

Other helpful tips:

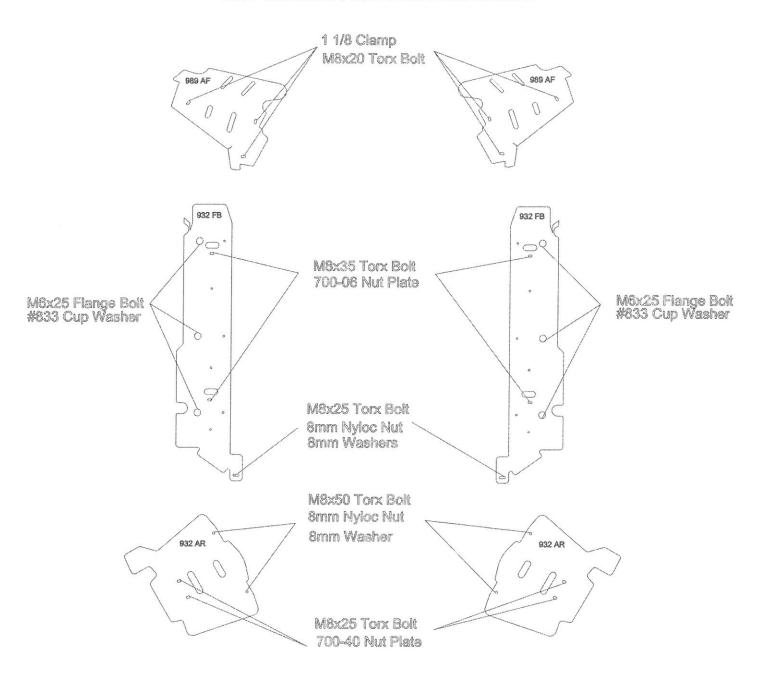
- -Before you begin the installation organize all the included hardware according to the hardware placement sheet so you can quickly find the correct bolts and brackets when you need them.
- -Install all bolts finger-tight at first until all hardware has been installed, this will give you maximum adjustability.
- -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.

9993 Hardware Placement Guide Sheet 1



9993 Hardware Placement Guide Sheet 2



9993 Packing List

993 T

- 2) M8x20 Torx Bolt
- 2) 8mm Nyloc Nut
- 2) 8mm Washer
- 1) M6x25 Flat Head Bolt
- 1) 700-160 Washer

767 M1

- 6) M6x16 Flange Bolts
- 6) #833 Cup Washer
- 2) 839 Clamp
- 2) M8x25 Torx Bolt

767 M3

- 7) M6x16 Flange Bolt
- 7) #833 Cup Washer
- 2) M8x25 Torx Bolt
- 2) 700-06 Nut Plate

767 R

- 2) M8x25 Torx Bolt
- 2) M8x30 Torx Bolt
- 4) 700-06 Nut Plate
- 2) M6x16 Flange Bolt
- 2) #833 Cup Washer

989 AF

- 6) 1 1/8 Clamp
- 6) M8x20 Torx Bolt

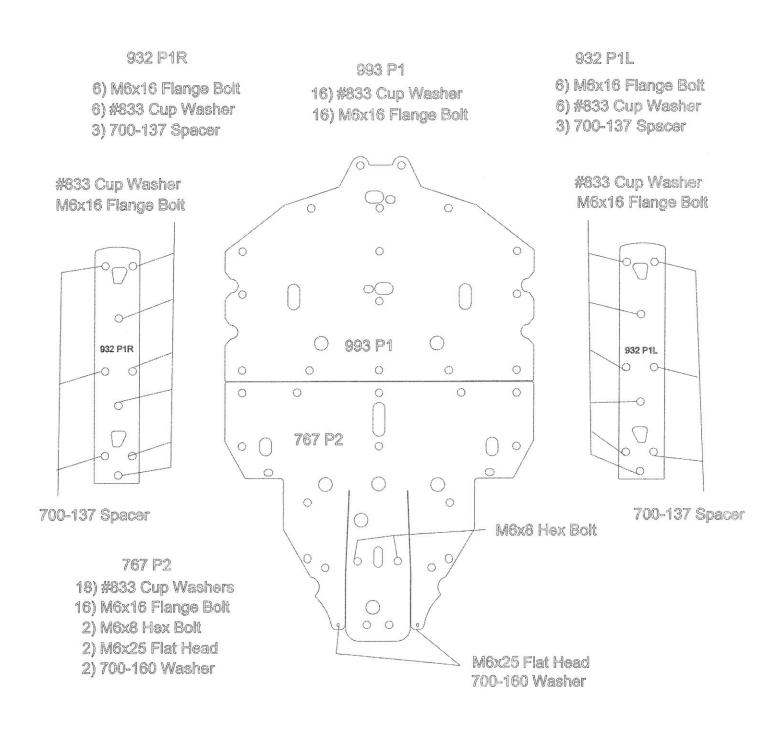
932 FB

- 6) M6x25 Flange Bolt
- 6) #833 Cup Washer
- 4) M8x35 Torx Bolt
- 4) 700-06 Nut Plate
- 2) M8x25 Torx Bolt
- 2) 8mm Nyloc Nut
- 2) 8mm Washer

932 AR

- 4) M8x50 Torx Bolt
- 4) 8mm Nyloc Nut
- 4) 3mm Washer
- 4) M8x25 Torx Bolt
- 2) 700-40 Nut Plate

9993 UHMW Hardware Placement Guide



Installation Instructions for Polaris Ranger 1000 skid plates 2021-2022 993/9993F

Step One: Remove all of the factory plastic skid plates. Not all of the holes in the frame are threaded. We have supplied an M6 Tap with handle so you can thread out the blank holes. Use a little bit of oil or WD40 on the tap to ensure a good, clean thread can be achieved.

Step Two: Starting with the 767M1 skid plate refer to the hardware placement guide. Start the plate using the cupped washers and flange (Hex) bolts. Leave the loose for now so there is some adjustability. The two "C" clamps will hang over the frame. You can access those locations with the large slot holes to place them into position. One they are in position you can thread the 8mm torx bolt into the nut welded on the clamp. Leave these loose as well.

Step Three: Mount the next plate back: 767M3. Use the cupped washers and hex bolts leaving them loose. Next, take the 8x30 Torx bolts and thread them into the Nut plates on the back side of the frame leaving these loose.

Step Four: Now you can mount the 767R plate. Mount the two cup washers first, then mount the middle two positions on either side using the nut plates and 8x25 Torx bolts. Take your remaining nut plates and insert them into the frame so that the hole in the frame lines up with the nut. Thread the mx35 bolts through the skid plate and into the nut that is lined up with the frame. You may need to use a floor jack to get these bolts started by supporting the rear of the skid plate with the jack.

Step Five: align all the plates into position and tighten down all of the mounting locations. Double check to ensure all of the bolts are tightened down completely and all of the mounting slots are being utilized.

Step Six: Now you can mount the front plate 993T. Start with the rear mount, Take the 6x25 flathead bolt and thread it into the countersunk washer. The flat washer and nut go on the back side for the screw to thread into. Get the plate into position and tighten that mount all the way down so the plate is sitting flush against the machine. You will need to match drill the front two mounts using an 11/32" drill bit. Drill slowly and firmly at first until the hole is started. You can finish off the front two mounts with the Torx bolts using a washer and nut on the back side.

Installation instructions for 932FB Ranger 1000 Floor Board Skids

Step One: Remove the three button head Torx bolts underneath the rocker panel on the machine. Save these bolts, they will be reused.

Step Two: If you are installing our skids with the factory Polaris skid plate, you will need to cut the factory Polaris skid plate down the side, where it meets with the edge of the main frame. You can use your floorboard to see where you need to cut the factory plastic. A Dremel will make easy work of this.

Step Three: Take your two 700-06 Nut plates, and set them in the channel of the frame that is welded to the main frame and out to the edge. Line the hole in the nut plate up with the hole in the frame.

Step Four: Now you can get your floorboard skid into position, using the stock bolts you removed and the cup washers provided, mount the floor board skid to the machine. Leave these bolts loose for now.

Step Five: Take your 8x35 Torx bolts, and thread them into the nut plates you installed in the frame channel. There is a slot in the skid plate, that you can put your finger through to hold the nut plates down, while you are catching the thread. Leave these bolts loose for now.

Step Six: Take your 8x25 bolt, and insert it through the hole in the rear of the skid plate, and through the hole in the frame. Slide a washer over the bolt, followed by your M8 nylock nut.

Step Seven: Get the plate adjusted to the machine for the best fit, and tighten the two Torx bolts going into the nut plates. Tighten the bolt with the nut at the rear of the plate. And finally tighten down the three stock bolts with the cup washers. Use extreme caution when tightening the stock bolts, as the frame threads can be easily damaged. If you do damage the frame threads, you can use a ½-20 Self tapping bolt, to secure the plate.

Step Eight: If you are also installing the ¼" overlay UHMW on the floorboard skids, leave the three stock bolts out for now, as they are also a common mount for the overlay UHMW. Secure the overlay plate to the floorboards using the 6x16 Flange bolts and cup washers. Now you can install the three stock bolts with the aluminum spacers in the last three remaining mounts. Use extreme care when tightening the stock bolts. It is the same procedure for the left and the right side of the machine. This completes your floorboard skid installation, and we thank you for your purchase!