

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.

Installation Instructions for 9644 Polaris Turbo S 4 Seater

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

Step Two: take your 964M1 plate, and mount it with the cup washer and the 6x16 flange bolt. Leave this loose for now. Next you can get the front two clamps into position and start the bolts. Once the front clamps are in position you can start the rest of the clamps and bolts for that plate. Leave everything loose for now, and use anti seize on all of the bolts.

Step Three: Mount your 964M2 plate using the two cup washers and bolts. Leave these loose for now. Referencing your hardware placement guide, get all of the clamps and bolts into position. Leave all of these loose for now.

Step Four: Before you are ready to mount your 775M2 plate, you need to drill out two existing holes in the frame to 1/4". You'll see four holes in the crossmember, the two center holes are the ones that need to be drilled out. After drilling, take your 700-123 bracket, peel off the double sided tape and stick it to the frame so the nut inserts line up with the holes you drilled out. Make sure the frame is clean so the tape can stick. The tape just serves to hold the bracket in place while starting the bolts since you can't get your hand in there.

Step Five: Before mounting the 775M2 plate, hang the rear B clamps around the frame tube in their approximate location. Now you can mount the 775M2 plate using the cup washers and bolts. Install the rest of the clamps and hardware, leave everything loose for now. The center B clamp can be hung around the frame after the plate is mounted. Just reach through the side of the machine on the driver side to hang this clamp.

Step Six: Before mounting the 937R plate, hang the front B clamps around the frame. These will mount around the frame by the engine mounts. Now you can mount the plate using the cup washers. Leave these loose for now. Start the rest of the clamps and bolts.

Step Seven: Now you can square all of the plates up for the best fit. Make sure all of the cup washers will fully seat down. Once they do you can tighten all of the cup washer bolts. After the cup washers are tight you can tighten the rest of the clamps and hardware.

Step Eight: To mount your 938T plate start the bar clamp and bolt on the rear of the plate. You can reach through the side of the machine to start the bar clamp on the bolt. Line up the skid plate for the best fit. Now take one of your cup washers and a paint pen or sharpie and mark the center of the front mounting holes on the plate. Transfer punch your mark so your drill doesn't wander, and drill out two 1/4" holes through the frame in the center of the front mounts. Make sure you don't drill the hole too low, or you won't be able to get the nut on the bolt. After you have drilled out the holes take you cup washers and bolts, run them through the holes you drilled, and start the nut on the back side. Square the plate up and tighten the plate down.

Step Nine: To mount your 786FB plates first remove the three bolts running down the side of the machine that is holding the plastic on. Now take your 700-75 brackets (there are lefts and rights) and bolt those to the machine using the stock bolts that you just removed. Now you can take the 786FB plate and start the three side mounts in the brackets you have just mounted. Now you can take your 700-76 nut plates slide them through the opening in the skid, and the frame. Line them up with the mounting holes and start the bolts. Line the plate up for the best fit and tighten all of the bolts. Next you need to match drill through the plastic on the bottom front and rear of the plate. Use a

5/16 to an 11/32 drill bit. Drill through the plastic using the mounting hole in the skid plate as a guide. Now you can run the bolts through and secure the nuts. It is the same procedure for both sides.

Step Nine: To mount the trailing arm skids (938AR) take the skid and set it into position. The cutouts in the side of the skid should match the same cut outs in the trailing arm pretty closely. Double check this to get the skid in the correct position. Take the 700-143 spacer and set it in between the front mounts with the slot facing down to clear the brake line. Now take your bolt run it through both mounts and start the nut. Now take the 700-144 spacer and do the same thing to the rear. Once everything is in position you can tighten down the nuts and bolts. It is the same procedure for both sides.

Step Ten: To mount the front a arm skids (964AF) first remove the factory plastic guard on the front of the a arm. Now get your skid into position and start all of the clamps and bolts. Leave these loose for now. With the front wheels of the machine off of the ground (suspension at full droop) turn the steering wheel from full lock to full lock, and double check that you have clearance with the brake caliper etc. Once you have established you do have clearance you can tighten the plate down. This is the same procedure for both sides. This completes your installation of your Ricochet skid plates. If you have any questions or problems, please refer to our youtube video or feel free to contact us, and we thank you for your purchase.

9644 Hardware List

938T

- 2) 833 Cup Washers
- 2) 6x20 Hex Bolts
- 2) M6 Nylock Nuts
- 1) 700-59 Nut Plate
- 1) 8x40 Torx Bolt
- 1) M8 Washer

964M1

- 1) 833 Cup Washer
- 6) 1 1/4 Clamps
- 6) 8x20 Torx Bolts
- 6) M8 Washers
- 1) 6x16 Flange Bolt

964M2

- 2) 833 Cup Washers
- 2) 6x16 Flange Bolts
- 2) B Clamps
- 4) 1 1/4 Clamps
- 4) A Clamps
- 10) 8x20 Torx Bolts
- 10) M8 Washers

775M2

- 5) 833 cup Washers
- 5) 6x16 Flange Bolts
- 1) 700-123 Bracket
- 2) 700-37 Nut Plates
- 2) 8x40 Torx Bolts
- 3) B Clamps
- 3) 8x20 Torx Bolts
- 5) M8 Washers

937R

- 5) 833 cup Washers
- 5) 6x16 Flange Bolts
- 4) B Clamps
- 2) 8x35 Torx Bolts
- 2) 8x20 torx Bolts
- 4) M8 Washers

938AR

- 2) 700-143 Spacers
- 2) 700-144 Spacers
- 4) 8x65 Hex Bolts
- 8) M8 Washers
- 4) M8 Nylock Nuts

786FB

- 3) 700-75L Brackets
- 3) 700-75R Brackets
- 4) 700-76 nut Plates
- 14) 8x25 Torx Bolts
- 18) M8 Washers
- 4) M8 Nylock Nuts

964AF

- 6) 1 3/8 Clamps
- 6) 8x20 Torx Bolts
- 6) M8 Washers

9644 Polaris Turbo S 4 Seater Hardware Guide



