

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 Part # 9366 Can-Am X3 XRS

Step One: Before you begin the installation of your Ricochet skid plates, you first need to remove the factory skid plate. The factory skid plates are held on by rivets. You need to drill all of the rivets out to remove the factory skid plates. If a rivet starts to spin, try to wedge a flat blade screwdriver under the rivet head to keep it from spinning. Once all of the rivets are drilled out, you need to either knock the rest of the rivet into the frame, or you can grind them flush.

Step Two: It doesn't matter if where you start the installation, but I have found it easier to start from the rear of the machine. Take your 936R plate and set it into position. Hang the 1 1/4 clamp in the middle of the plate around the frame tube and start the bolt. Use anti seize on all of the clamp bolts. Leave this loose for now. Now you can hang all of the 1 3/4 clamps and start those bolts. Get the plate as centered and square to the frame as you can. The hole for the rear diff oil drain should line up with the drain plug. Leave everything loose for now. Before mounting the next plate take your 845 bracket and hang it over the pinched (flattened) frame tube. You can get this bracket in place either by going through the long access slot or by simply going over the tube in front of the plate. Leave these two bolts loose for now.

Step Three: Now you can get your 936M2 plate into position. Take the plate and slide it underneath the floorboard plastic, so the plate is up against the frame tubes. Do not install this plate over the floorboard plastic. Once you get the plate into position you can start your cup washers and flange bolts to the common mount on the 936R plate. You can also hang the front clamps and line them up with the mounting holes in the plate. Don't install these bolts yet, as they are a common mount with the 936M1 plate. You can also hang the clamps on the side, but leave the bolts out on those as well, they will be a common mount with the 936FB floorboard skids. The side clamps can be hung from above inside the cab of the machine.

Step Four: Now you are ready to mount you 936M1 plate. Before mounting the 936M1 plate, you first need to remove the bolts that hold the plastic body work on that are close to the front wheel wells. This will make it much easier to get that plate under the floorboard plastic. You also need to hang the front middle B clamps. The passenger side can be hung with the plate on, but on the driver side, the foot well plastic is a bit tight to get the clamp on. You may have to take a screwdriver and pry up on the foot well plastic in order to get the clamp around the frame. Now take the plate and hold it into position, don't worry about getting it under the floorboard plastic, you are just verifying the clamp lines up with the mounting hole. The way the clamp is pinched by the footwell plastic it's almost impossible to line it up with the plate on. Once you verify it lines up with the mounting hole you can get the plate into position under the floorboard plastic. Slide the plate under the plastic on one side and push the plate as far to the edge of the machine as it will go. Now on the other side start pulling the floorboard plastic out from the rear of the plate moving to the front until you get the plate under the plastic. Now you

can install the bolts for your front middle clamps, and the rear clamps that are the common mount with 936M2 plate. Leave these all loose for now.

Step Five: Now you are ready to install your floorboard skids, first off, you need to hang the four clamps on the side of the machine. The two rear clamps can be hung around the frame from either inside the cab, or by going through the access hole in the skids. For the front clamps you have to go through the access holes in the skid plates. Now you can take your floorboard skid and get it into position. It may help to have a friend help hold the plate in position while you get the hardware started. The factory body work is going to push the plate away, and it can be a bit cumbersome to get it lined up and the hardware started by yourself. After getting all four bolts through the clamps started, you can begin to tighten the bolts. (If you also purchased the hybrid UHMW set, you will have four aluminum spacers that need slide over the bolt and cup washer before you start the bolts) Tighten them progressively and pay attention to the very front upper mounting hole by the wheel well. Once that hole lines up with the mounting hole in the body work, you can install your 6x30 bolt. Now you can fully tighten all of the bolts for the floorboard skid. The very rear mount needs to have the factory plastic drilled out. Simply match drill the plastic through the mounting hole in the skid, and then secure that mount with the bolt, washers and the nut. It is the same procedure for both sides. Once both skids are on you can fully tighten all of the hardware for the entire set.

Step Six: Now you are ready to install the front bash plate. The first thing you need to do is to take a drill bit size 5/16 (.312) to 11/32 (.344) and drill the existing hole in the center frame tube. Drill through both walls, as the factory hole only goes through one wall. Next you can take the drill bit we are supplying, and you need to drill the four rivets that line up with the four mounting holes in the plate. Drill these holes as straight as possible. Now you can take the tap we are supplying and you can cut the thread in the four holes you just drilled. Use some oil on the tap and keep it as straight as possible when cutting the thread. Next you can remove the two factory bolts towards the top of the plate and set the plate into position. Take your 6x25 flange bolts and start these loosely. Next you can take your 8x50 flat head bolt and run it through the frame where you drilled through the center frame tube, followed by a washer and the nylock nut. Now you can align the plate with the four holes you drilled and tapped. Start these four bolts but leave them loose for now. Fully tighten the rear bolt and nut, and then fully tighten the top two upper bolts. Now you can fully tighten the remaining four bolts. Take care not to over tighten these four bolts, as there is a risk of stripping out the threads.

Step Seven: If you are also installing the hybrid UHMW set these parts will install with the cup washers and flange bolts into the inserts that are pre installed into the skid plates. The second mounts to the very rear are a common mount with the aluminum, so you will place the 833-8 cup washers in that location, along with the M8 bolts that secure the aluminum. All other mounting points are the 833 cup washer and 6x16 flange bolts. The floorboard UHMW is also held on by common mounts, along with the spacers, as mentioned earlier in the floorboard instructions.

Hardware list for part # 9366

936T

- 2) 6x25 Flange Bolts
- 4) 6x16 Flange Bolts
- 1) 8x50 Flat Head Bolt
- 1) M8 Washer
- 1) M8 Nylock Nut
- 1) M6 Tap
- 1) Drill for M6 Tap

936R

- 1) 1 ¼ Clamp
- 6) B Clamps
- 1) 845 Bracket
- 9) 8x20 Torx Bolts
- 9) M8 Washers
- 2) 833 Cup Washers
- 2) 6x16 Flange Bolts
- 2) M6 Nut Inserts (pre installed)

936M1

- 4) B Clamps
- 2) 8x20 Torx Bolts
- 2) 8x30 Torx bolts
- 4) M8 Washers

936M2

No Hardware: All Hardware for this plate are common mounts with other pieces.

936FB

- 8) 833-8 Cup Washers
- 8) 8x30 Torx Bolts
- 8) B Clamps
- 2) 8x25 Torx Bolts
- 4) M8 Washers
- 2) M8 Nylock Nuts
- 2) 6x30 Hex Bolts
- 2) M6 HD Washers
- 2) M6 Lock Washers

9366P Hybrid Hardware List

936P1

23) 833 Cup Washers

23) 6x16 Flange Bolts

936P2

8) 833 Cup Washers

6) 6x16 Flange Bolts

2) 6x8 Hex Bolts

2) 833-8 Cup Washers

936P3

4) 700-827 Spacers

1) 833-8 Cup Washer

936P4

4) 827 Spacers

1) 833 Cup Washer



