

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.

Mounting Instructions And Hardware Guide For CF MOTO Z Force 800 Trail Part# 9300F

Step One: Remove all of the factory plastic guards, including the front and rear A arms. There is also a stamped metal piece bolted to the frame below the engine. This piece is to be removed as well. It is held on by four bolts. You also need to remove the two bolts that secure the hitch, these bolts come from the bottom of the machine, and the nuts are on top of the hitch. The hitch does not need to be removed. These holes will be used to mount your rear skid.

Step Two: It's easiest to install the plates from the rear to the front, due to the overlap of the belly skids. Take your 930R skid and set it into place. Secure it using the supplied bolts and cup washers to the mounts in the frame. Leave these loose for now.

Step Three: Take your 8x60 bolts and with a HD washer run those through the very rear mounts on the skid. Place an M8 washer over the threads and start the supplied nylock nut. Leave these loose for now.

Step Four: Take your Bar Clamp and set it into position to line up with the mounting holes in the 930R skid that are second closest to the rear. Use anti seize on these bolts. Start the bolts, and leave them loose for now.

Step Five: Make sure the slots in the front of the 930R plate line up with the mounting holes in the frame. Adjust the plate if necessary. Now you can take your 930M plate and get it into position. Start all of the cup washers and bolts. Make sure all of the cup washers will fully seat. Adjust the plate if necessary. Once your plates are in the proper position you can tighten all of the bolts you have installed so far.

Step Six: To mount your top plate take your bar clamp and place it in the frame. Put your 930T plate into position, line up the bar clamp with the mounting holes and start the two rear bolts. Use anti seize on these and leave loose for now. Now you can mount the two 1" clamps on the horizontal bar on the frame near the top of the front skid. Use anti seize on these bolts, and get both front bolts started. Now make sure the plate is all the way back and against the frame, and tighten the two front mounts first. After these are tight tighten the rear mounts.

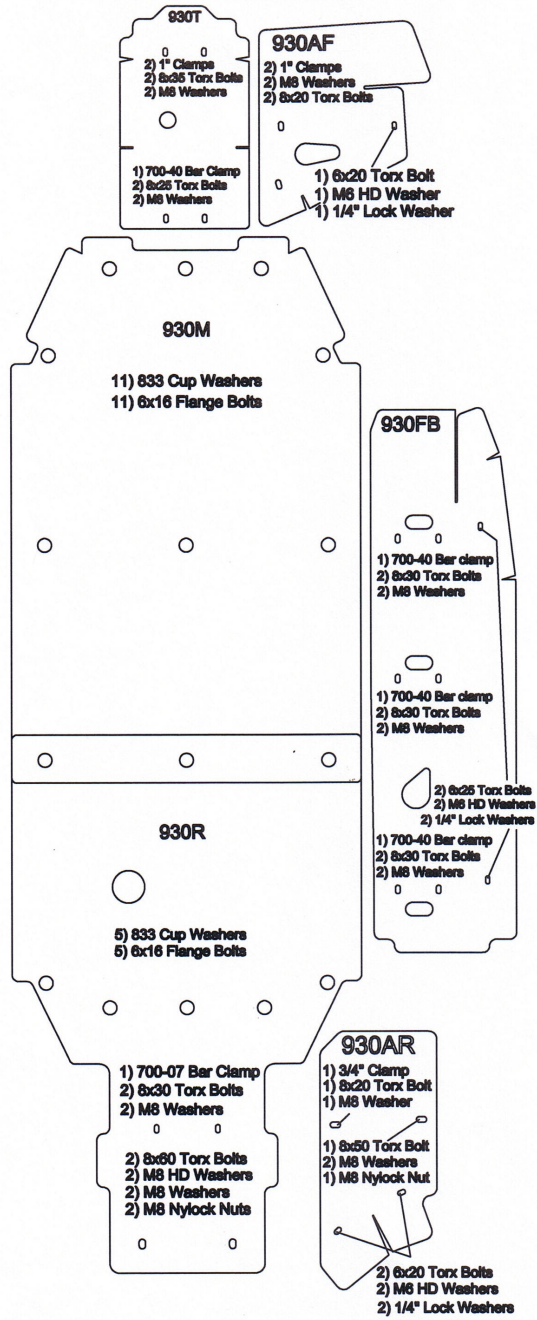
Step Seven: To mount the floor board skids remove the three bolts that secure the plastic to the frame from under the machine. Now you can set all three of your bar clamps into the channels on the frame. Now you can get your 930FB plate into position and start the bolts. There is an access hole in the plate in front of all three bar clamp locations. Use this hole to get your finger in there to align the clamp to the mounting holes. Use anti seize on all of these bolts. Leave these bolts loose for now. Now you can take your 6x25 bolts and washers and start those bolts in the spots you removed the factory bolts from. You may have to push on the plastic in order to clear the hole to get the bolts started. Adjust the plate for the best fit, and tighten all of the hardware. It is the same for both sides.

Step Eight: To mount your front A arm skid take your 930AF plate and get it into position.

Take your 6x20 bolt and washers and start this bolt into the thread that is already on the a arm. Leave this loose for now. Now hang your two clamps , line them up with the mounting holes and start your bolts. Use anti seize on these bolts. Now you need to check for clearance all the way around the a arm skid. With the wheels off of the ground, and the suspension completely unloaded turn the steering wheel to full lock, and check the clearance all around you're a arm skid. Turn the wheel in the other direction to full lock, and re check the clearance. Adjust the plate if necessary, and then tighten all of the bolts. It is the same procedure for both sides.

Step Nine: Take your rear A arm skid and set it into place and start your two 6x20 bolts with washers into the threaded mounts in the a arm. Next take your 8x50 bolt, and run it through the outboard slot in the plate and through the a arm. There is already a hole in the a arm to run the bolt through. Place a washer over the bolt, and then start the nylock nut. Next hang the clamp on the tube, line it up with the last slot, and start that bolt. Use anti seize on that bolt. Check for clearance around the skid. After you have checked the clearance you can tighten all of the bolts. It is the same procedure for both sides. If you are installing the hybrid set, you will simply get the plates into position and mount them by using the supplied cup washers and bolts, and secure the plastic plates to the aluminum plates by the riv nuts that are pre installed. This will complete your installation. We also have a video on our you tube channel demonstrating the installation procedure.

9300F Hardware Placement Guide



Hardware list for CF Moto Z Force 800 Trail Part# 9300F

930T

- 2) 1" Clamps
- 2) 8x35 Torx Bolts
- 1) 700-40 Bar Clamp
- 2) 8x25 Torx Bolts
- 4) M8 Washers

930M

- 11) 833 Cup Washers
- 11) 6x16 Flange Bolts

930R

- 5) 833 Cup Washers
- 5) 6x16 Flange Bolts
- 1) 700-07 Bar Clamp
- 2) 8x30 Torx Bolts
- 2) 8x60 Torx Bolts
- 2) M8 HD Washers
- 2) M8 Nylock Nuts
- 4) M8 Washers

930FB

- 6) 700-40 Bar Clamps
- 12) 8x30 Torx Bolts
- 12) M8 Washers
- 4) 6x25 Torx Bolts
- 4) M6 HD Washers
- 4) 1/4" Lock Washers

930AF

- 4) 1" Clamps
- 4) M8 Washers
- 4) 8x20 Torx Bolts
- 2) 6x20 Torx Bolts
- 2) M6 HD Washers
- 2) 1/4" Lock Washers

930AR

- 2) 3/4 Clamps
- 2) 8x20 Torx Bolts
- 6) M8 Washers
- 2) 8x50 Torx Bolts
- 2) M8 Nylock Nuts
- 4) 6x20 Torx Bolts
- 4) M6 HD Washers
- 4) 1/4" Lock Washers

930P1

- 11) 833 Cup Washers
- 11) 6x16 Flange Bolts

930P2

- 13) 833 Cup Washers
- 13) 6x16 Flange Bolts