

# 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](mailto:dh_gibbs@comcast.net) with any questions or concerns.**

We also have a video on our Youtube channel showing the installation procedure.

## Installation Instructions for Can Am Maverick Trail Part# 9655

Step One: Remove all of the factory skid plates. To do this you need to drill out all of the rivets securing the plastic to the machine. Use a ¼ to a 5/16 drill to remove the rivets. There are also bolts at the rear of the rocker panels that need to be removed as well. You also need to open up the first and third holes from the front in the plastic on the rocker panel so the bolts for the 965FB plates can pass through. Use a 1/2 inch drill bit for these holes. This is demonstrated in the Youtube video.

Step Two: Now you need to cut the rivets flush with the frame, or you can drive them into the frame. The Youtube video demonstrates this.

Step Three: Start your installation with the 965M4 Plate. There are two clamps you need to hang around the frame tubes before installing the plate. They are the two 838 clamps that are the center mounts of the plate. The clamps will go around the frame tube in the opening just in front of the carrier bearing. Once those clamps are in place you can get the plate into position and start the two bolts for those clamps. Hang the rest of the clamps around the frame by using the access holes in the skid plate. Start all of the bolts and leave them loose for now.

Step Four: Now you can install the 965M3 plate. Get the plate into position and tuck the plate under the factory plastic on the rocker panels. Hang the clamps around the frame tubes through the access holes, start all of the bolts but leave them loose for now. Now you need to make sure that you can clearly see the threaded nut inserts through the holes in the plastic that you opened up with the 1/2 inch drill bit. These threaded inserts will be used to mount the 965FB plates so you need to make sure that they line up with the plastic.

Step Five: Installing the 965M2 plate is the same as the other side, but you will have two additional M6 bolts at the rear of the plate. Make sure that the threaded inserts line up with the holes in the rocker panels that you opened up. Leave everything loose for now.

Step Five: Before mounting the 965R plate, take two of your 700-06 nut plates and place them in the frame channel just in front of the engine. Line up the nut plates with the outer two holes. Now you can set the plate into position and start the bolts for the front nut plates. Moving to the rear of the machine, the rear mounts should line up with the drainage holes in the frame. Run you 8x30 bolts through the plate and the frame and start the nut plates on the bolts. Now you can hang the clamps and start all of the bolts, leave everything loose for now.

Step Six: Before mounting your 965M1 plate, you need to hang the square 838 clamps around the frame. You may also want to hang the B clamps around the frame as well. You can get the B clamps around the frame with the plate on, but it is a little tight. Now you can bring the 965M1 plate into position, the front of the plate will tuck under the lip on the frame. You can now start the bolts, leaving everything loose for now.

Step Seven: Now you can align the plates for the best fit and can tighten all of the hardware. Make sure the threaded inserts on the M2 and M3 plates line up with the holes in the rocker panel plastic.

Step Eight: To mount the 965FB place the plate into position and loosely start the cup washers with the 6x16 Flange bolts. Next you can start the two rear 6x30 hex bolts. The two rear bolts are picking up factory threads, the 6x16 bolts are picking up threaded inserts in the plates. Once all of the hardware is

started you can align the plate for the best fit and tighten all of the bolts. This is the same procedure for both sides.

Step Nine: Now you can install the front plate 965T. Set the plate into position and run the bolts through the plate and the holes in the frame, followed by the 700-06 nut plates. Align the plate for the best fit, and tighten all of the bolts.

Step Ten: To install the front a arm skids first remove the factory plastic guards. Now with the front wheels off of the ground, and the suspension at full droop, set the a arm skid into position and secure it using the clamps and bolts. Leave the bolts loose for now. Now you need to turn the wheels to full lock in both directions and verify that you have clearance to the brake caliper. Adjust the plate position for clearance if needed. Once you have clearance you can tighten the plate down. It is the same procedure for both sides.

Step Eleven: To install the rear a arm skids is pretty much like installing the front a arm skids. Get the plate into position and loosely install the clamps and bolts. Since the rear wheels don't steer, check for clearance, and if it's good you can tighten the plate down. It is the same procedure for both sides.

This completes your installation of your Ricochet aluminum skid plates.

If you are installing our Hybrid kit, mount your UHMW plates with the 833 cup washers and 6x16 Flange bolts. In the common mounts use the 833-8 cup washers and the 8x30 Torx bolts. You can mount all of the UHMW plastic first, and then do the common mounts last.

## 9655 Hardware Packing List

### 965 AF

- 6) 1" Clamps
- 6) M8x20 Button Head

### 965 AR

- 6) 1 1/4 Clamps
- 6) M8x20 Button Head

### 965 M1

- 2) B Clamps
- 2) #8 Clamps
- 4) M8x25 Button Head

### 965 M2

- 3) 1 1/4 Clamps
- 2) #8 Clamps
- 5) M8x25 Button Head
- 2) M6x25 Hex Bolt
- 2) 6mm HD Washer

### 965 M3

- 3) 1 1/4 Clamps
- 2) #8 Clamps
- 5) M8x25 Button Head

### 965 M4

- 2) 1 1/4 Clamps
- 4) #8 Clamps
- 6) M8x25 Button Head

### 965 T

- 6) 700-6 Nut Plate
- 6) M8x25 Hex Bolt

### 965 R

- 3) 826 Clamps
- 1) #8 Clamp
- 4) 700-6 Nut Plate
- 6) M8x25 Button Head
- 2) M8x30 Button Head

### 965 FB

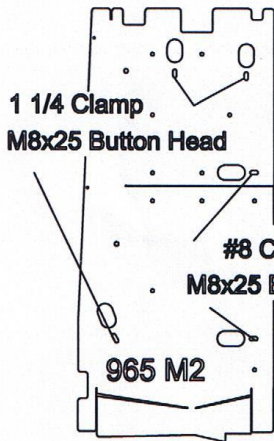
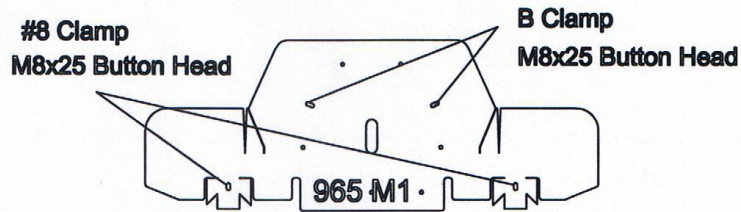
- 12) 833 Cupped Washer
- 8) M6x16 Flange Bolt
- 4) M6x30 Hex Bolt

### NOTE !

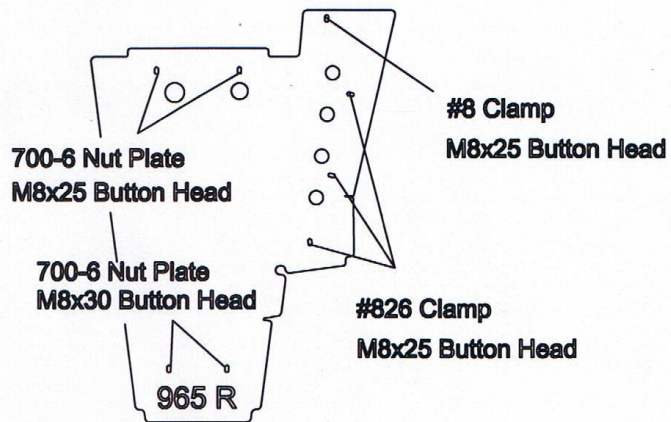
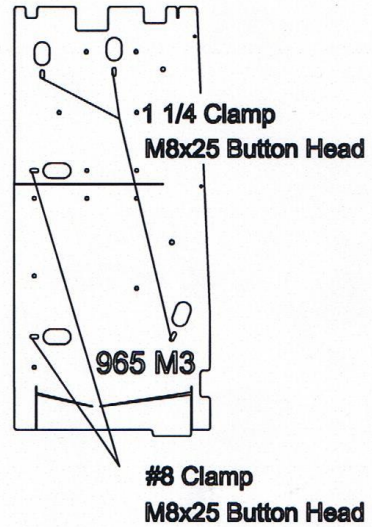
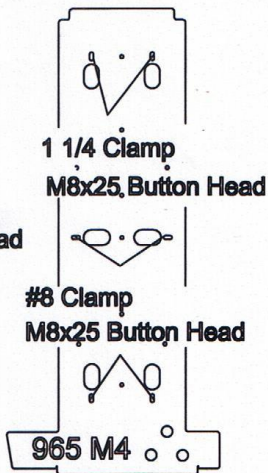
#### M2 and M3

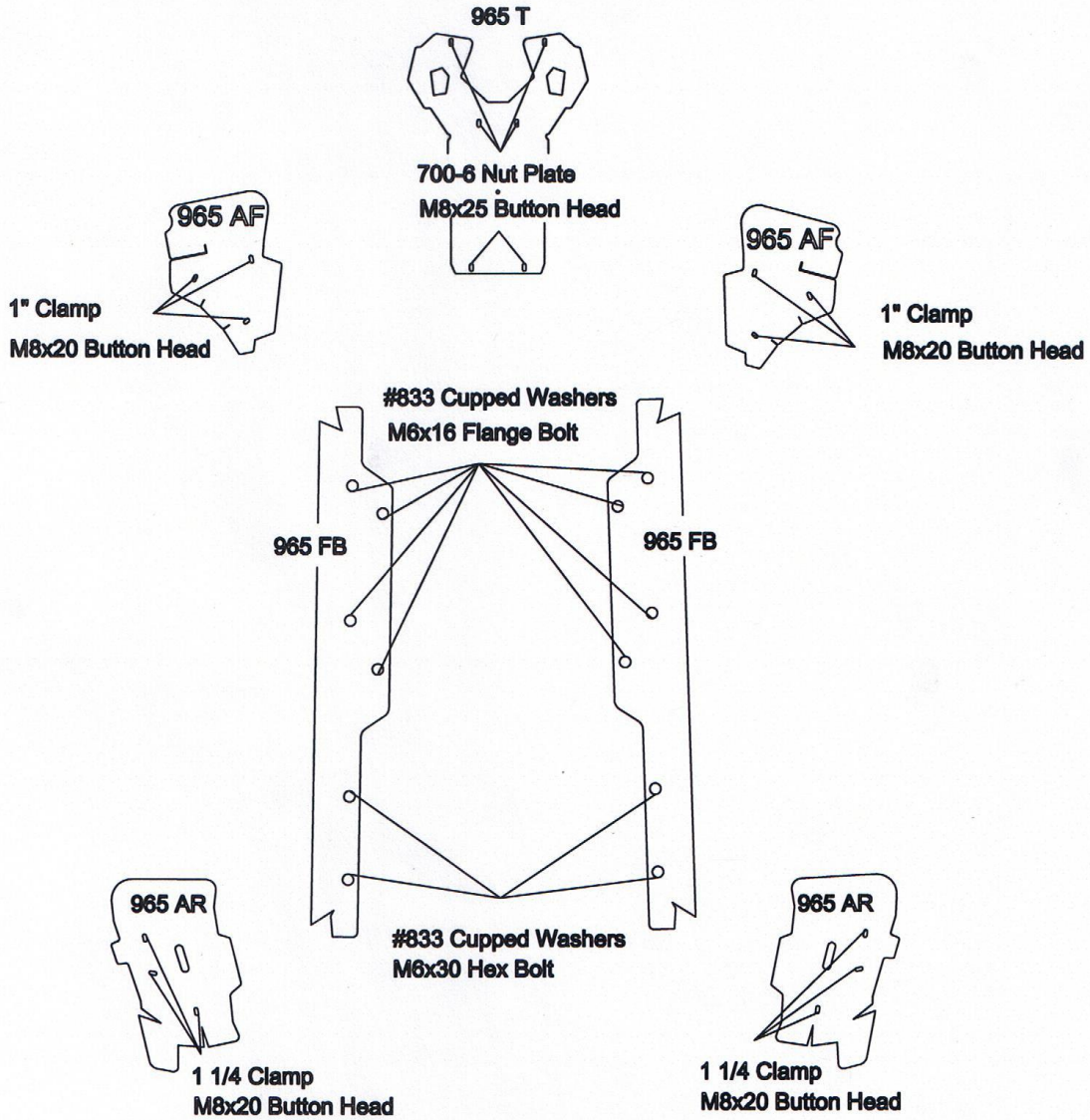
- 2) M6 Nut Inserts ( pre installed)
- 2) M6 Nut Inserts Low Profile ( pre installed)

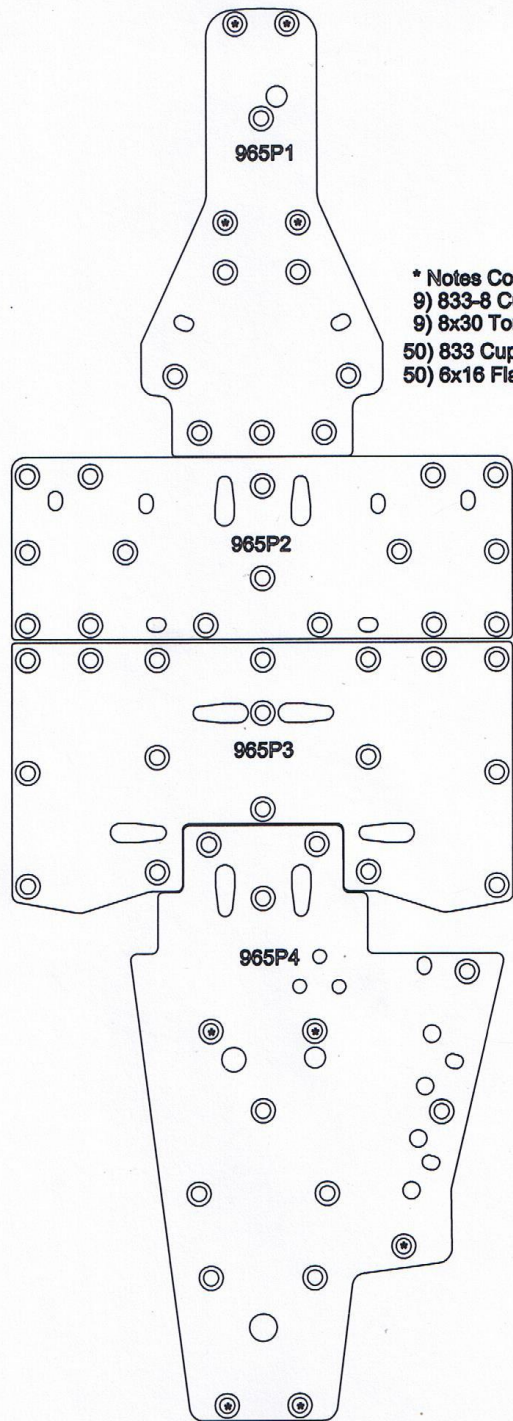
9655 Hardware Placement Guide Sheet #1



M6x25 Hex Bolt  
6mm HD Washer







- \* Notes Common Mount
- 9) 833-8 Cup Washers
- 9) 8x30 Torx Bolts
- 50) 833 Cup Washers
- 50) 6x16 Flange Bolts