

Adjustable Windshield Mount

Can-Am Ryker

Please read this entire manual before proceeding with installation.

What is in the box:

- (1) Set of preassembled MadStad adjustable windshield brackets
- (2) Aluminum wedge blocks

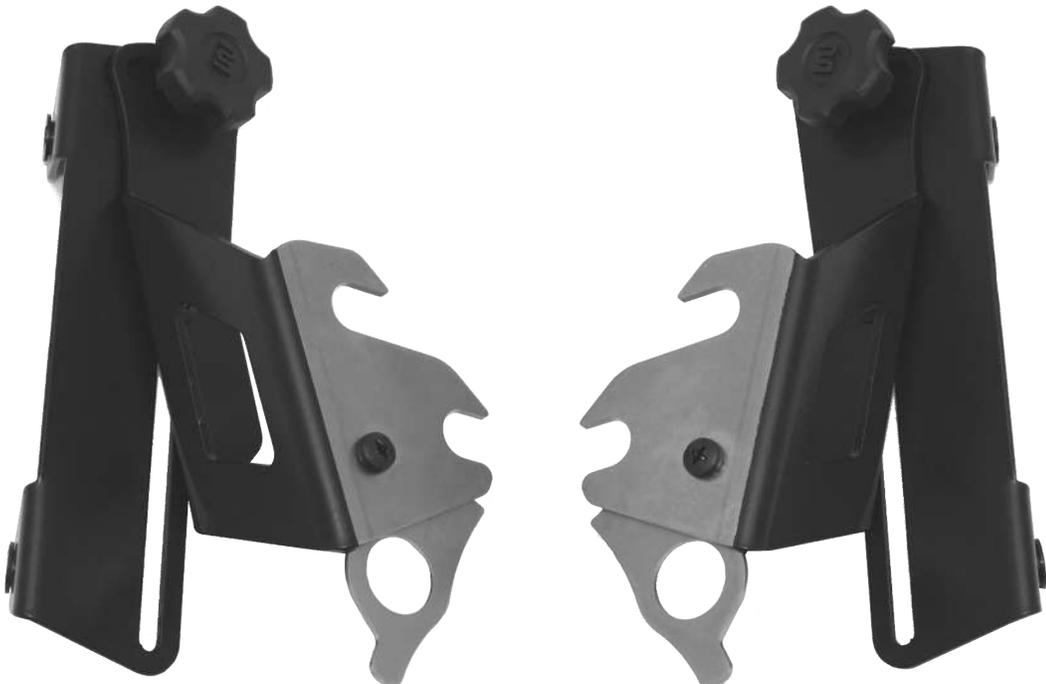
Pre-assembled quick-release posts:

- (4) M6 button screws
- (4) Aluminum spool tops
- (4) Aluminum spool bottoms
- (8) Small o-rings



Windshield Hardware:

- (4) M5 x 25 Phillips screws
- (4) M5 (#10) plastic flat washers
- (4) M5 soft rubber washers



Tools Needed:

- 4 mm Allen wrench (hex key), ball-end if possible
- #2 Phillips screwdriver

Step 1:

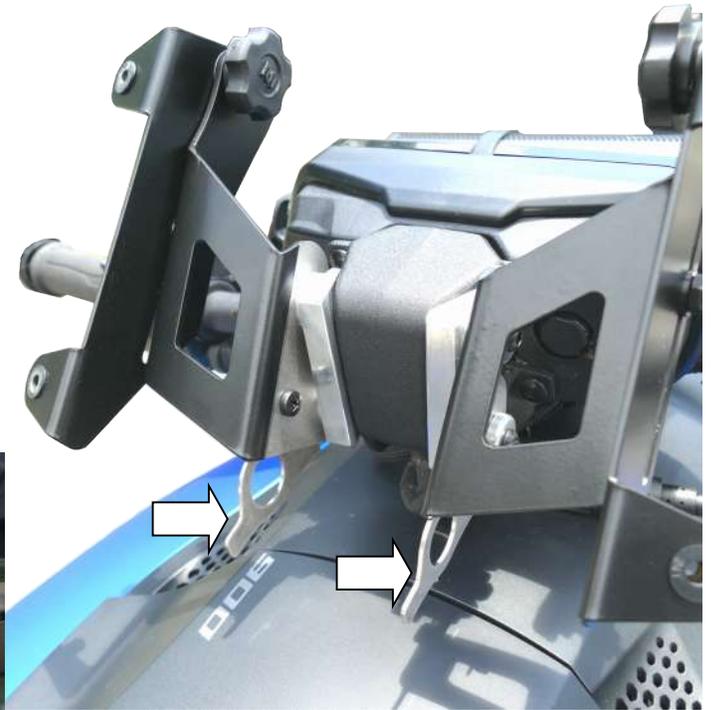
The MadStad system attaches to the screw holes in the front of your instrument cluster as seen here. You will be attaching the aluminum wedges and pre-assembled spools as shown below, using a 4mm

Allen wrench, preferably a ball-end wrench. Do not tighten the screws fully until the brackets have been attached and seated (this will be in Step 2).



Step 2:

The adjustable brackets get attached to the quick-release posts as shown in the photo at right. Each bracket has a spring-loaded locking key. Make sure that the locking keys are rotated all the way to the front of the bike as seen here.



Once the brackets are fully seated onto the posts, lift and rotate the locking key so that the round hole fits over the bottom post, and the short curved edge snaps down under the upper post. See photo below.

You might have to shift the bracket and posts slightly to get the locking keys to seat completely. **MAKE SURE** that the keys are fully seated over the bottom posts and down flat against the brackets.



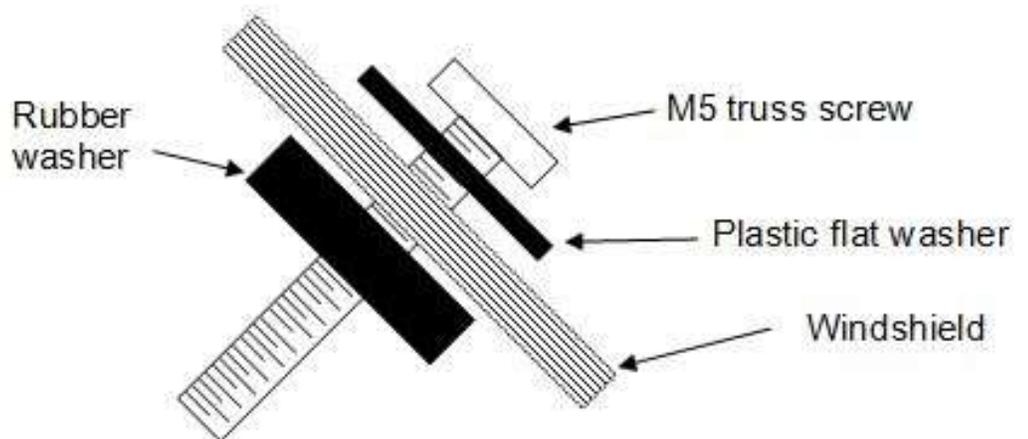
Step 3:

Tighten the post screws down with an M4 Allen wrench (see photo at right). Repeat on the other side, and then bracket installation is complete. To remove the brackets from the posts, lift up on the back side of the locking key as seen here and rotate down and all the way forward. The brackets can now slide up and off of the posts, however leave them attached for the final step of attaching the windshield.



Windshield Installation

Once bracket adjustment is complete, the windshield attaches to the brackets with Phillips screws and rubber washers as shown below. Pre-install each screw with a flat washer and rubber washer into the four windshield holes as shown below before attempting to attach the windshield onto the MadStad brackets. You will also want to make sure the brackets are both set in the same position (fully down and tilted back for example). Set the shield on the brackets putting the screws into the rubber well nuts. Tighten by hand until about 1/4" of the screw tip is sticking out the back side of the well nut. At that point the well nut should have swelled up and the shield should be held snugly.



Adjusting the MadStad Brackets

The knob screws release the brackets allowing the windshield to slide and tilt. These knob screws must always be tightened securely before riding. **DO NOT** attempt to adjust the brackets while riding! You must come to a complete stop before making adjustments. Also make sure that you do not set the windshield in such a way that causes your handlebars or hand guards (if installed) to hit the windshield when turning, or before reaching full lock.

To make adjustments, loosen the knobs 1 turn for height adjustment and 3-4 turns for angle adjustment. Set the windshield so the top edge is at about your chin level as you look straight ahead while seated on the bike. Set the angle at approximately 60 degrees. (Use the angle guide on the back page of this manual as a guide.) Tighten the knobs and go for a ride to see if you now have smooth airflow over and around your helmet. Do this on a calm day if at all possible; windy days make it hard to judge the airflow. Don't ever try to adjust the mount while in motion!

NOTE: The knobs have a tapered shoulder that must seat itself into the angle adjustment slots when you tighten them. You may have to wiggle the brackets slightly to get the knob to seat in there but once you do that is what locks the shield into position.

To try a different windshield position, bring the motorcycle to a complete stop and out of traffic. Loosen the two knob screws and tilt the windshield forward or back one or two notches, and/or adjust it up or down if necessary. Re-tighten the knobs and go for another ride. Continue experimenting with different positions you find a combination of height and angle that eliminates buffeting and gives a smoother ride.

NOTE: To open your front storage compartment fully you do **NOT** need to remove the windshield system. Simply loosen the knobs adjustment knobs 3-4 turns then lift the windshield all the way up and tilt it all the way back. This will give you just enough clearance to open that compartment door.

Pivot Screws

The MadStad mount has a pivot screw on each set of brackets, located near the center of the bottom bracket. If you wish to adjust the tightness of this pivot screw or move it to an alternate pivot position, use a 4mm Allen wrench and a 10mm socket or wrench to make the adjustment. If you tighten the lock nut completely you will not be able to slide the brackets.

Quick Release

Once the windshield is installed you can remove it along with both brackets as one unit, and re-install it that way. Simply lift and rotate both locking keys down and fully forward, then grab the shield by the bottom or sides and slide (wiggle) the brackets up and slightly forward off of their posts. Installing them back onto the posts will take a little extra care to align the bracket slots with the posts, and a little extra wiggling to make sure they are fully seated. Rotate the locking keys back onto position and if they aren't quite aligned, either snap them down with a little extra pressure or wiggle the brackets down some more until the keys snap fully down. **DO NOT** drive the vehicle if both locking keys are not fully seated over the bottom posts.

Notes on Windshield Angle

Most windshields work best when set at a 55-60 degree angle. We have provided an angle guide **on the back page of this manual** so that you can check and see if your shield is set somewhere in this range.

To check your shield angle, your bike should be in an upright position either on a center stand or held up by a helper. Set the spine (folded edge) of the manual against the front of the shield. If the large arrow marked 60° is pointing straight up, then your shield is at a 60 degree angle. (See diagram on Page 5.) A little farther back and your angle would somewhere between 55 and 60 degrees. Anywhere in this range is fine for your initial test ride. On some bikes a more vertical angle works better, so don't be afraid to experiment later if tilting the shield back doesn't seem to be ideal.

Disclaimer

Neither MadStad Engineering nor its owners shall be liable for any damages, consequential or inconsequential, resulting from the use of our products. Installation of any of our products constitutes acceptance of these terms.

It is the responsibility of the user to make sure all fasteners are tightened securely, the windshield is mounted properly and the adjustment knobs are tightened snugly before putting the motorcycle in motion. MadStad systems ARE NOT intended to be adjusted while the vehicle is in motion; you must pull over out of the way of traffic and come to a complete stop before making any changes. The user must never place the windshield in such a position as to interfere with the safe and complete movement of the handlebars and controls.

Returns and Warranty

If you are not satisfied with your new windshield system you have 30 days to return it. Full details are available on our web site at www.madstad.com. If purchased from a dealer then please contact the dealer for their return policy.

MadStad adjustable brackets carry a lifetime warranty against manufacturing defects. This does not include cosmetic issues nor any parts that inherently wear out or degrade over time such as rubber and plastic parts. Windshields, deflectors and other similar plastic parts are warranted for 1 year against manufacturing defects, not against cosmetic issues or issues related to normal wear and tear.

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Thank you for your support, and ride safely!

