

MADSTAD

E N G I N E E R I N G

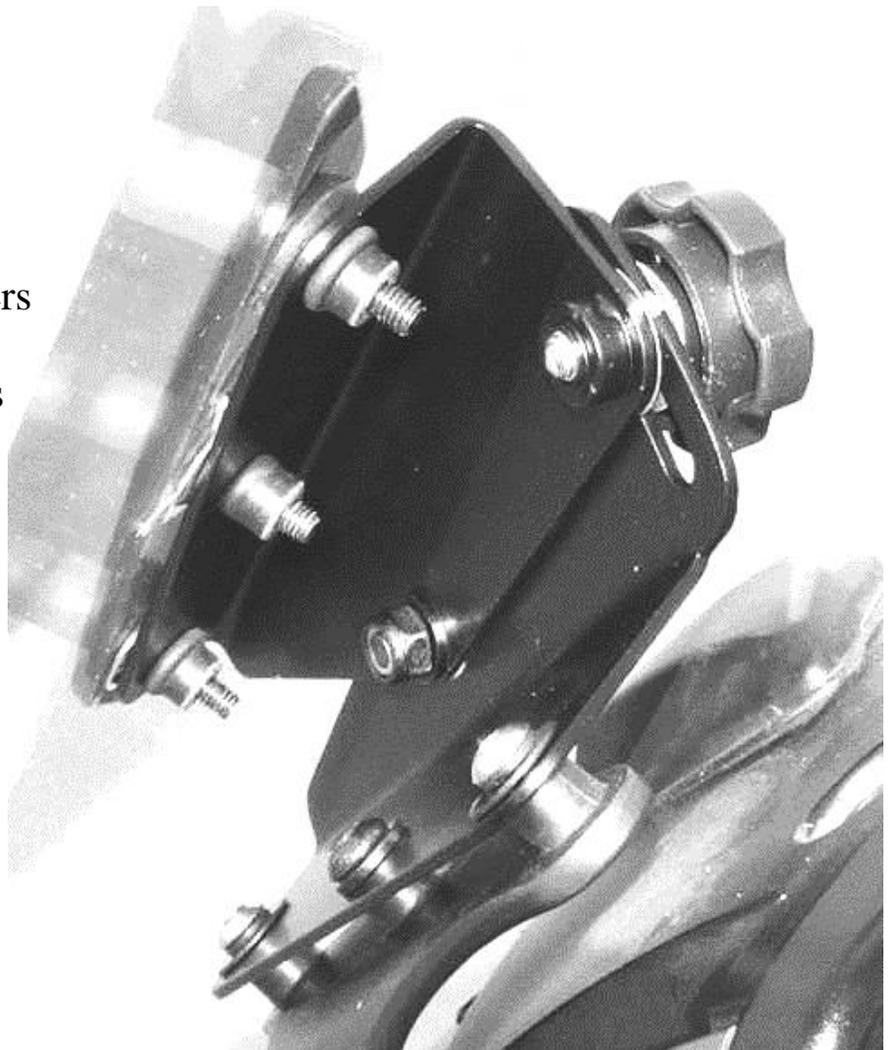
Adjustable Windshield Brackets

Kawasaki Concours 1400GTR / ZG1400

Please read this entire manual before proceeding with installation.

What is in the box:

- (1) Concours 1400 Brackets Kit
- (2) M6 x 16 screws
- (2) M6 flat washers
- (2) M6 lock washers
- (4) M5 x16 screws
- (4) M5 metal flat washers
- (4) M5 lock washers
- (2) Black plastic shoulder washers
- (6) M5 Truss screws
- (6) M5 black plastic flat washers
- (6) M5 soft rubber washers

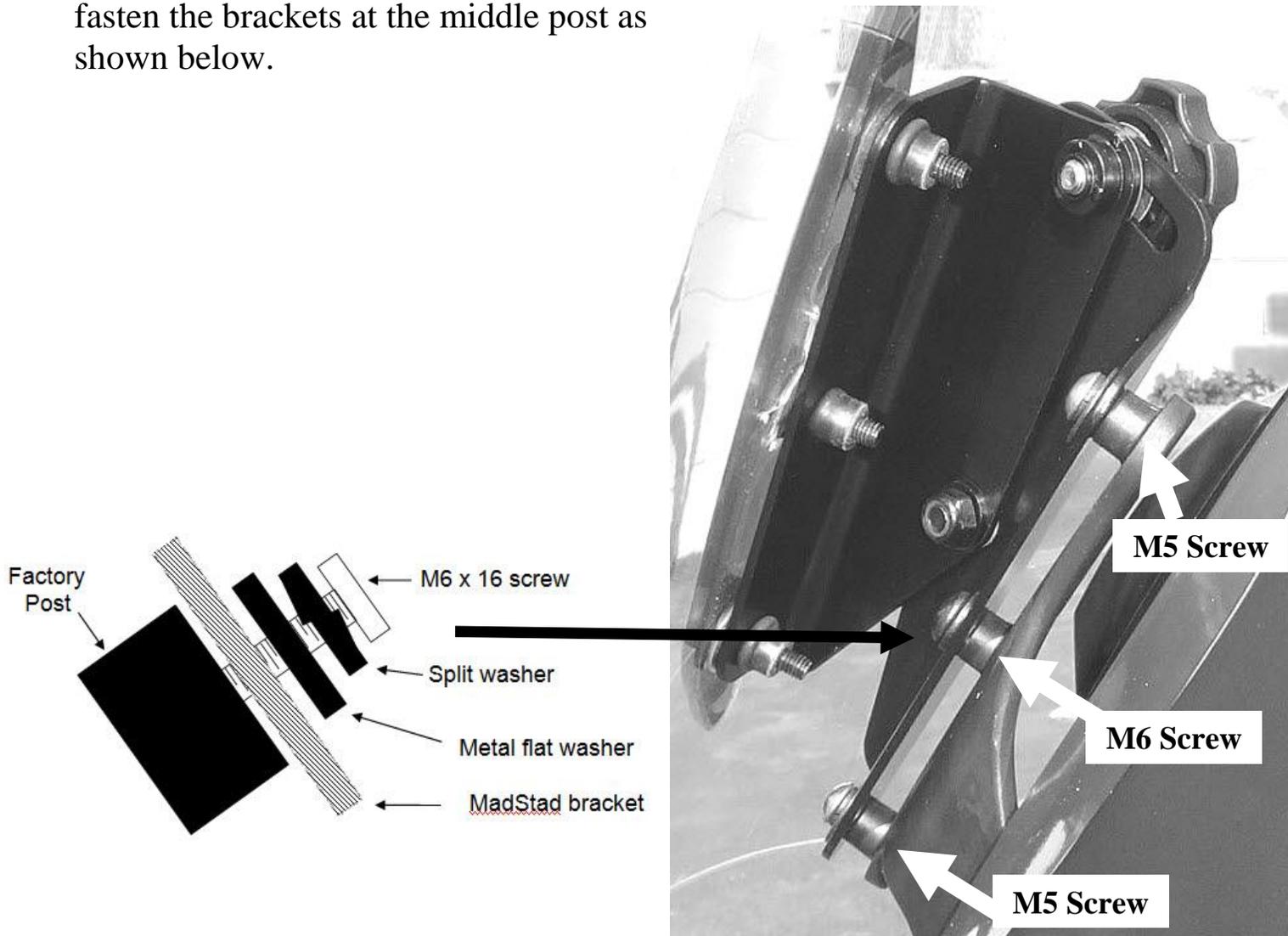


MadStad Robo Knob brackets are designed to bolt to the factory windshield mounts, with the windshield being moved to the front of the MadStad brackets. Loosening the two adjustment knobs allow you to modify the windshield angle **ONLY** regardless of the height set by the factory electric motor.

Bracket Installation:

STEP 1: Remove your factory windshield and all hardware.

STEP 2: Attach the MadStad brackets to the factory mounting brackets for the windshield. You will see three raised posts on the factory windshield mounts and the MadStad brackets sit on top of those posts (see white arrows below). The black adjustment knobs are up and facing inward toward the center of the bike. Use the provided M5 screws, flat washers and lock washers to fasten the brackets at the top and bottom posts, and the M6 screw, flat washer and lock washer to fasten the brackets at the middle post as shown below.

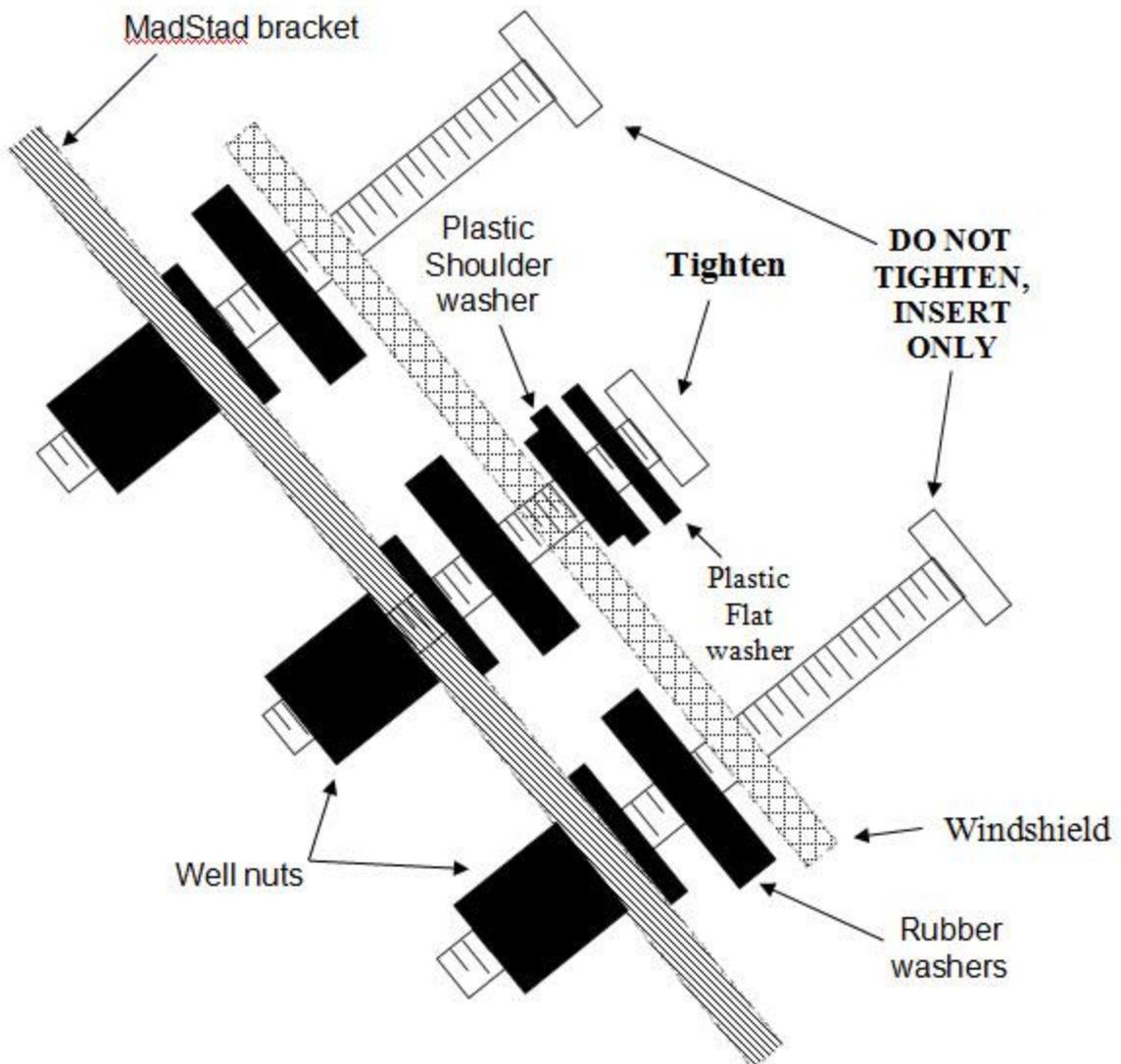


ATTACHING THE WINDSHIELD

Before attempting to install the windshield, make sure both MadStad brackets are set at the same angle. This is a two-step process because you first have to fasten a hidden screw below the trim piece and align the rubber washers between the shield and brackets. Read through this entire process before installation.

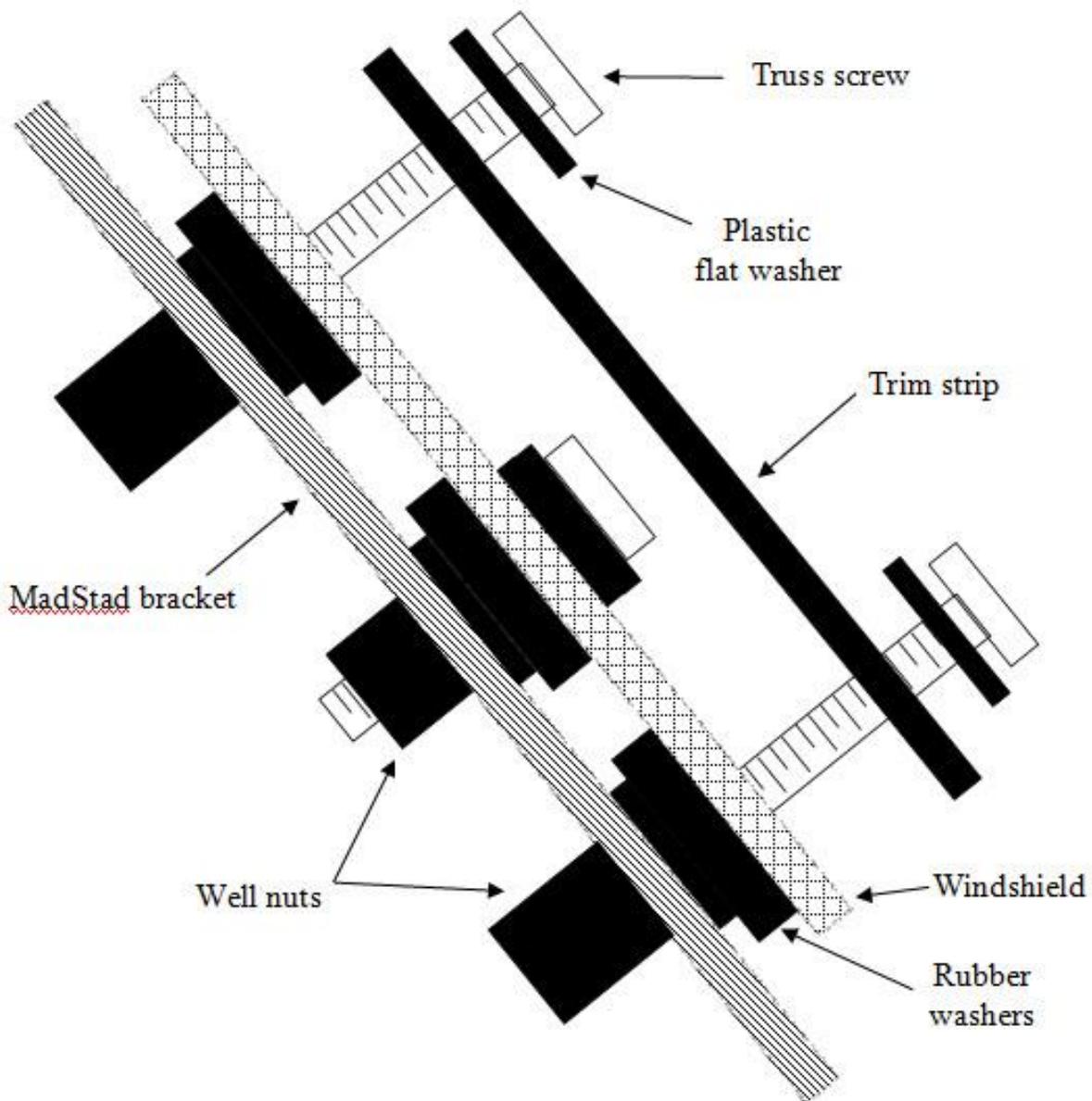
STEP 3, Part 1: *Refer the diagram below.* You are going to attach the center screw and washers first, however you also need to set the top and bottom rubber washers in place behind the windshield. Take an M5 truss screw (Phillips head), slide on a plastic flat washer, then a shoulder washer (larger side up toward the head), run this through the center windshield hole then slide a rubber washer on the back side. Repeat on the other side of the shield.

Now take another truss screw and put it through one of the other windshield holes and slide a rubber washer onto the back side, but only 1/2 way up the screw. Repeat this for the other three remaining windshield holes. All 6 windshield holes should now have screws through them. (Continued on next page.)



Set the windshield onto the brackets and insert all 6 screws into all 6 well nuts on the brackets. Then tighten down **ONLY** the center screw on each side using a #2 Phillips screwdriver (no power tools). Do not overtighten, just make sure the screw is snug and the shield is down all the way. This will compress the shield against the brackets and will trap all of the rubber washers between the shield and the brackets. Once these center screws are snug and the shield is pressed down, gently remove the other four screws leaving their rubber washers behind.

STEP 3, Part 2: Refer to the diagram below. Slide a plastic flat washer onto two of the truss screws, insert them through the factory trim piece and insert these screws back into the windshield and through the trapped rubber washers. Gently set them into the well nuts then tighten until snug. Repeat on the other side.



Adjusting the MadStad Brackets

The knob screws release the brackets allowing the windshield to 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 1-2 turns and set the angle at approximately 60 degrees. (Use the angle guide on the back page of this manual as a guide.) The top edge of the windshield should be at about your chin or mouth level as you look straight ahead. 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: As you change the factory electric height setting, the factory angle is going to change as well. The typical sweet spot for airflow is between 57 and 63 degrees so if your shield angle is good when fully down, chances are it will be too vertical if you go full up. Normally there is no reason to do that because once you find your sweet spot with the shield at about mouth level, you should be comfortable for all riding situations, even in the rain.

Continue experimenting with different positions at different speeds until you find a combination of height and rake angle that eliminates buffeting and gives a smoother ride. You may have more than one favorite position, for example shield tilted forward on cooler days, and shield tilted back for hot days to let more air to your body.

PIVOT SCREWS

The MadStad mount has a pivot screw on each set of brackets, located near the center of the bottom bracket. A nylon lock nut keeps the screw snugly in place, yet allows the brackets to slide back and forth. It is adjusted at the factory to have a minimum of play. You can adjust these if necessary but do not tighten them down hard.

Notes on Windshield Angle

Most windshields work best when set at a 57-63 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 be 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 warrantied 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!

