

## Adjustable Windshield System

Kawasaki Versys 1000 (2012-up) 650 (2015-up)

What is in the box:

- (1) Set of preassembled MadStad adjustable windshield brackets
- (2) Track brackets
- (4) 1/4 Split ring lock washers
- (4) M6 x 20mm
- (4) M5 Truss screws
- (4) M5 black plastic flat washers
- (4) soft rubber washers



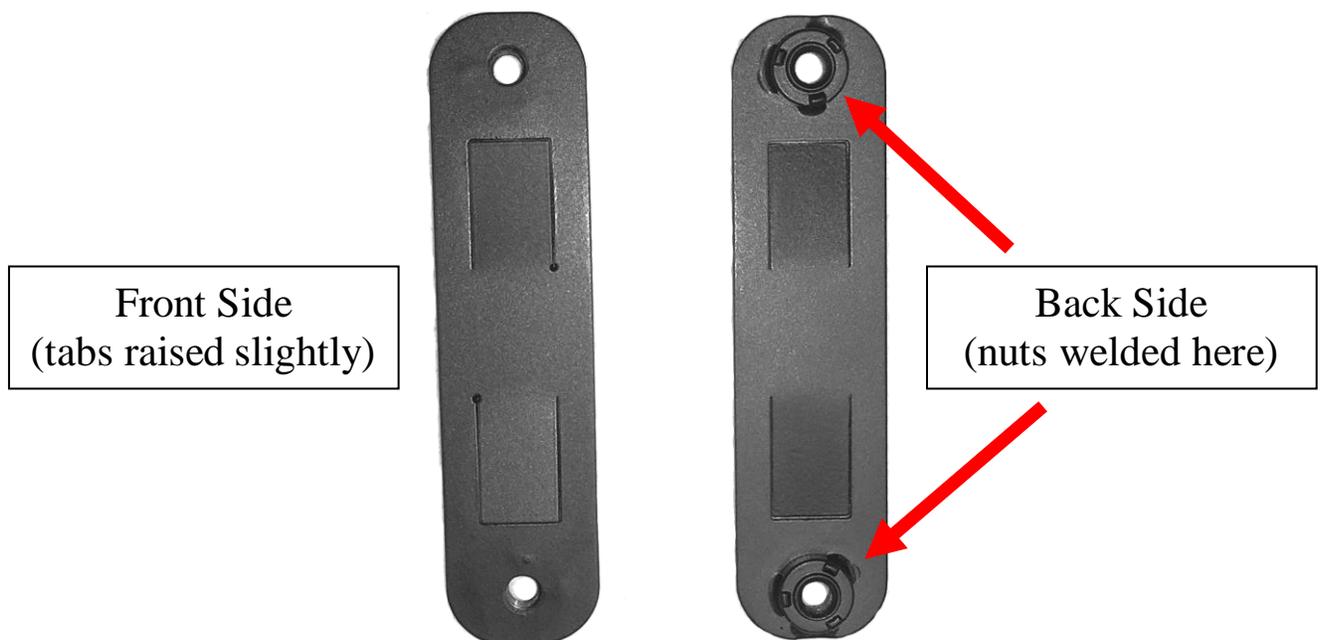
MadStad adjustable windshield brackets are designed to bolt to the same factory slotted brackets that the factory shield slides up and down on. However our brackets have their own height adjustment *and* angle adjustment so they will be bolted down into place. You will then be able to change the windshield height and angle without getting off of the bike, and without any tools. The factory windshield is not adaptable for use with these brackets.

### **STEP 1: Remove the factory windshield and hardware**

You will need to remove the factory windshield and the sliding brackets which hold it on. Typically this is done by first prying off the small plastic cap in the center of each windshield knob, then with a 4mm Allen wrench unscrew the socket-head bolts that are down inside the knobs. This allows the knobs to come off. After that you remove the four windshield screws and remove the shield and the rest of the hardware.

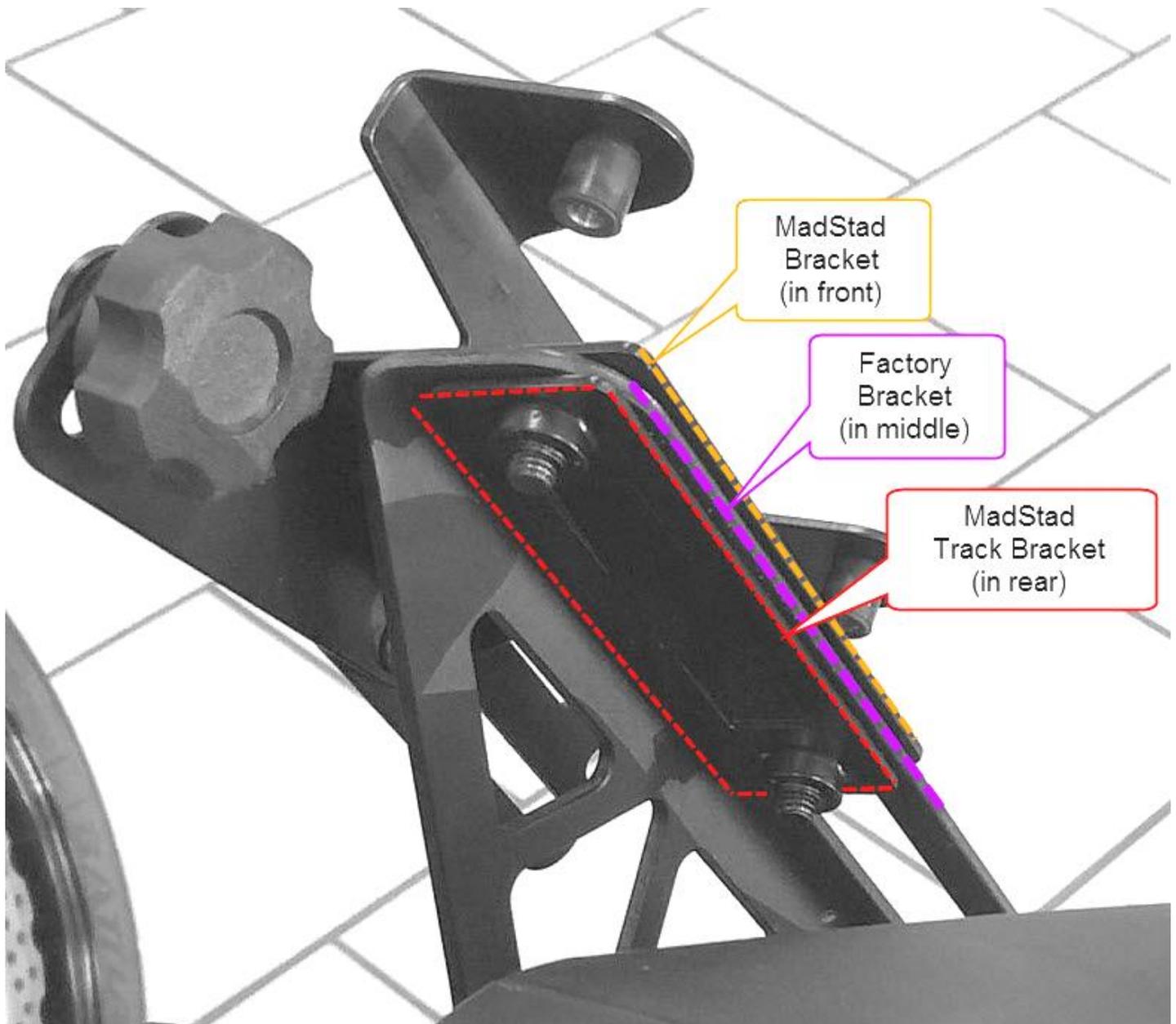
### **STEP 2: Install the MadStad brackets**

The MadStad brackets attach to the front of the slotted factory mounts and are held in the back by our “track bracket” which is a rectangular metal plate with round nuts welded to the back of it. It rides in the rectangular track (slot) in the factory mounts. This is what the track brackets look like:



The knobs on the brackets go to the insides (facing each other) and up at the top (as seen below). When both brackets are installed they should look like the image on Page 1. You will want to have the four M6 x 20mm screws ready with a split-ring lock washer on each, as well as an M4 Allen wrench. You may need to loosen the bracket knob a turn or two so you can slide the bracket open to a position where the screw holes are easily accessible.

Set the track bracket into the rear of the factory bracket, and all the way up at the top of the slot. The slightly raised tabs should sit completely in the slot, and the round nuts should be facing the driver. Then place the MadStad bracket on the front of the factory mount and fasten it to the track bracket with the M6 screws and lock washers. Here's how that should look (clutch side shown, looking down from the driver's seat):

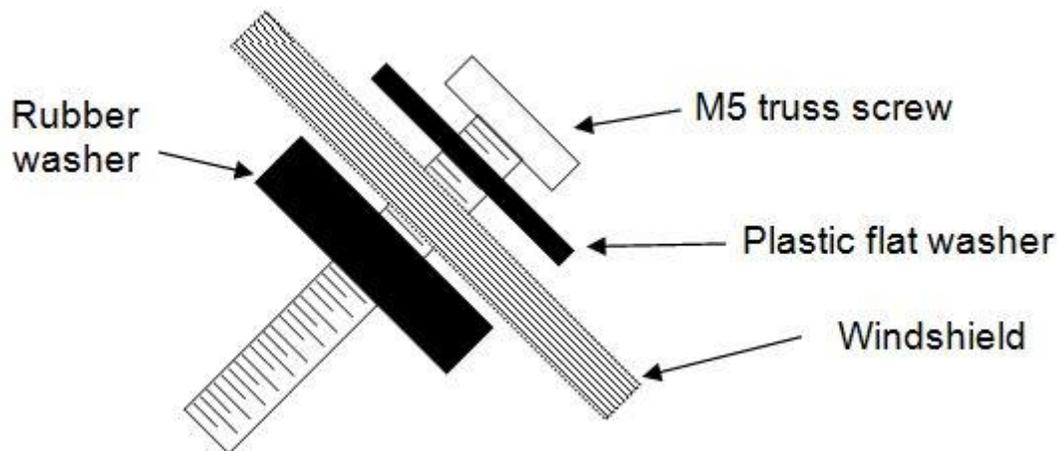


Repeat this for the other side, making sure both MadStad brackets are up at the top of the factory bracket slots. If your installation looks like the image on Page 1, you got it right!

## Windshield Installation

Once bracket installation is complete, make sure both brackets are sat at the same height and angle (fully down and back is easiest) with both knobs tightened, and have a #2 Phillips screwdriver handy. Prep the windshield first by inserting a truss screw with a plastic washers into each hole through the front, and slide a rubber washer on the back (see diagram below). This will hold the screws in place so you can more easily set them into the rubber well nuts on our brackets.

Hold the windshield over the brackets and insert each screw into each of the four rubber well nuts on the brackets. The well nuts are flexible and shield holes are oversized so you can nudge the shield around to align the screws with the holes. Once all the truss screws are in, use the Phillips screwdriver to tighten the screws.



**DO NOT OVERTIGHTEN THE TRUSS SCREWS!** The rubber well nuts cannot be pulled up out of the brackets, even when loose, so tighten only until the well nuts begin to swell up and the shield is snug against the brackets. Overtightening can damage the rubber well nuts.

## **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 1-2 turns and 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!

**WARNING:** If you tilt the shield fully backward, it may make contact with the top edge of the brackets. This could scratch the back of your shield, so please check to make sure there is no contact.

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 2-3 degrees or so, and/or adjust it up or down if necessary. Re-tighten the knobs and go for another ride.

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 each bracket assembly. 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 yet still allow the brackets to move.

If for some reason you wish to adjust the tightness of this pivot screw, use a 4mm Allen wrench along with a 10mm socket or crescent wrench to make the adjustment. **NOTE:** If you tighten the lock nut completely you will not be able to slide the brackets!

## 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 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](http://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!*

