MADSTAD
ENGINEERING

Adjustable Windshield Mount

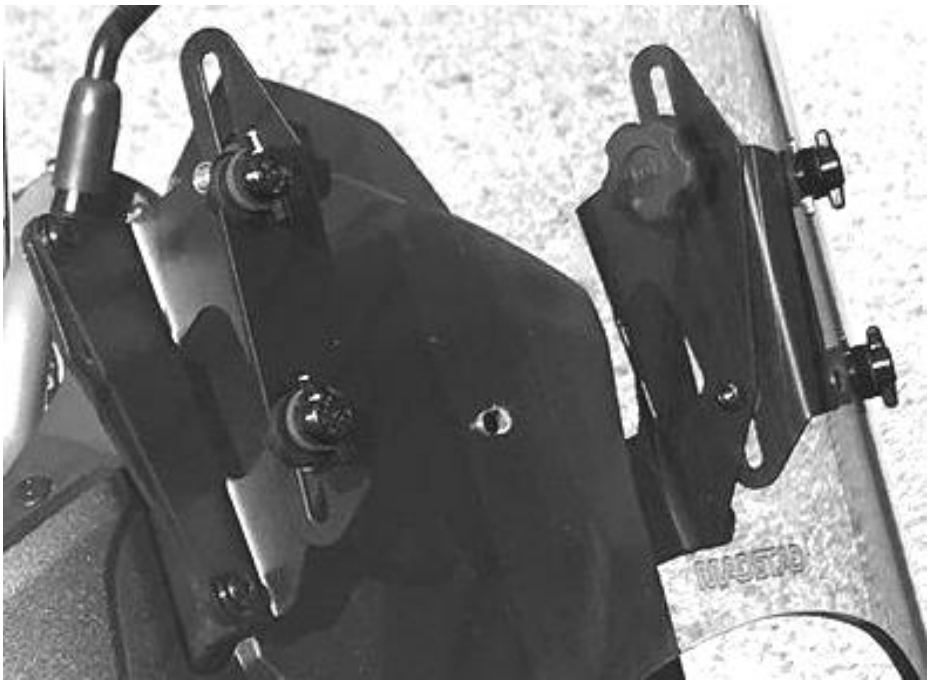
2017 Suzuki V-Strom

Please read this entire manual before proceeding with installation.

What is in the box:

(1) MadStad Brackets set
(4) M6 x 12 Screws
(4) M6 Lock Washers

(1) Windshield
(4) M5 T-Screws
(4) hard rubber washers
(4) soft rubber washers



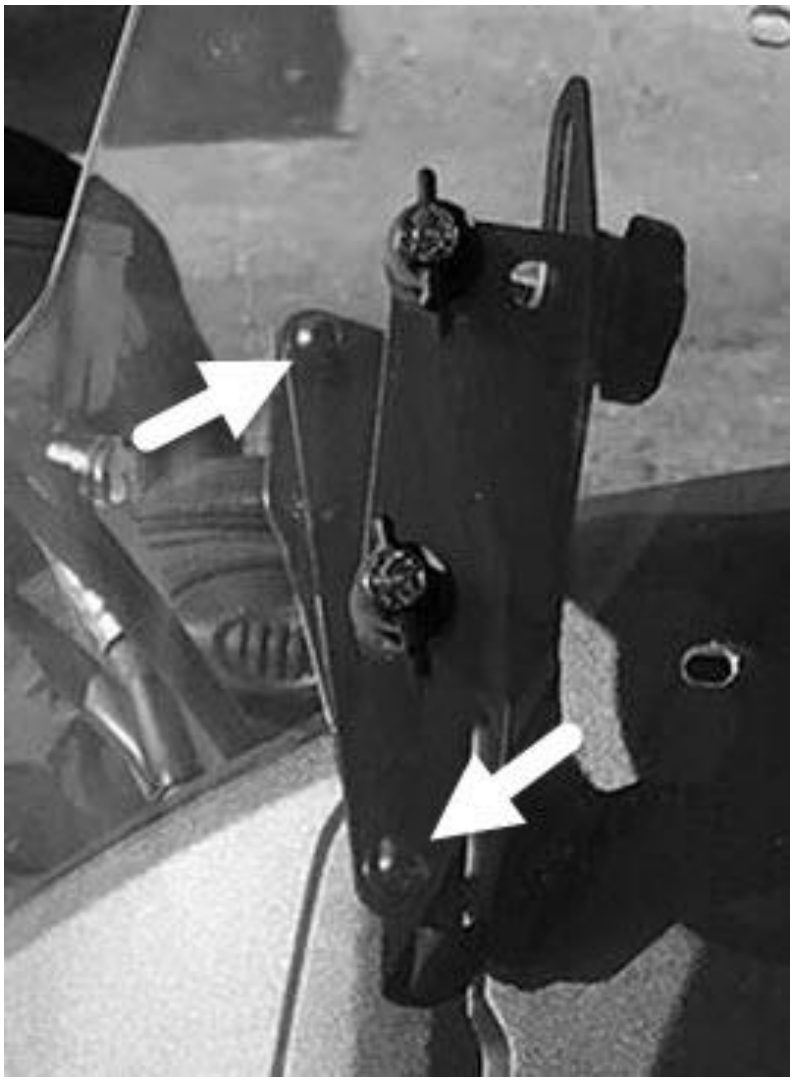
The MadStad adjustable windshield brackets are designed to bolt to the factory windshield brackets (metal plates). The MadStad windshield then attaches to the front of the brackets with quick-removal T-screws. Loosening two adjustment knobs on the brackets allows you to change the windshield height and tilt without getting off of the bike and without any tools.

You WILL NOT be able to use your stock windshield with the MadStad brackets.

INSTALLATION OVERVIEW

The MadStad brackets attach to the stock windshield mounting holes. Remove the stock windshield to expose the metal factory mounting arms.

BRACKETS – Attach the MadStad brackets to the factory mounting arms using the M6 x 12 screws, lock washers and flat washers that came with the kit. First slide a lock washer onto each M6 screw, and run that through our bracket mounting holes and into the outermost factory threaded holes. The adjustment knobs (see image below) should be facing inward and up toward the driver.



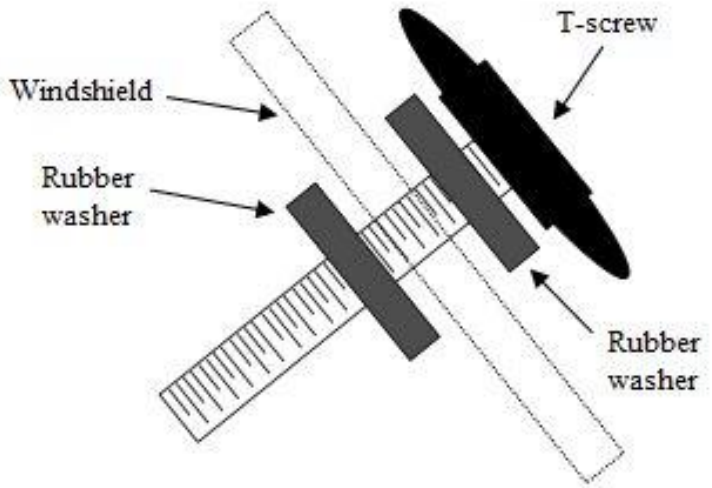
Windshield Installation

The windshield attaches to the front of the brackets with T-screws and rubber washers. Make sure the adjustable brackets are both set at the same position.

Prepare the shield first by inserting a T-screw with a hard rubber washer into a windshield hole, the slide the other rubber washer onto the back (as shown below). Repeat this for all four screws before attempting to attach the windshield. Then lay the shield over the brackets and insert the protruding screws into the rubber well nuts on the brackets. (The stock shield and MadStad shields use a different pair of well nuts which is why there are three per side.) It's probably easiest to start with the two holes on one side (left or right) then do the other two. The rubber well nuts are flexible and shield holes are oversized so you can nudge the shield around to align the screws with the holes properly.

Before you tighten the T-screws, make sure you gently press inward on the windshield so that it is pressed against the brackets. You want to make sure that the well nuts are seated fully into the bracket holes as possible so that when the screws are tightened, they swell up behind the brackets.

Once the screws are seated into the well nuts, tighten them all up until they are just snug with roughly 1/4" of screw sticking out behind each well nut.



<u>DO NOT OVERTIGHTEN THE T-SCREWS!</u> The rubber well nuts cannot be pulled up out of the brackets, even if they are not tight, so tighten only until the well nuts begin to swell up and the shield is snug against the brackets. Over-tightening 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!

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.

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.

This model V-Strom has three of its own angle positions controlled by the movable mounting arms. It doesn't really matter which of the three factory positions you use, just keep in mind that once you find your perfect setting with the MadStad brackets, moving the factory mounting arms will most likely change your airflow results. We recommend you pick the middle of the three factory settings and leave it there, then use the MadStad brackets for your angle adjustments.

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.

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 yet still allow the brackets to move.

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

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!