



Adjustable Windshield System

**Suzuki V-Strom
DL1000 (2004-2013), DL650 (2004-2011)**

Please read this entire manual before proceeding with installation.

What Is In The Box:

- (1) Set of Pre-Assembled MadStad Adjustable Windshield Mounts with (4) rubber bumpers and (6) rubber well nuts installed
- (1) Instruction Sheet (this document)
- (1) Hardware Packet, contents as follows:

Mounting Screws

- (4) M6 x 20 Screws
- (4) M6 Lock Washers
- (4) M6 Flat Washers

Plastic Trim Screws

- (2) M5 x 25 Screws
- (2) M5 Fender Washers

- (4) M5 x 20 truss screws
- (4) M5 soft rubber washers
- (4) 1 M5 Black plastic flat washers
- (4) Adhesive rubber bumpers

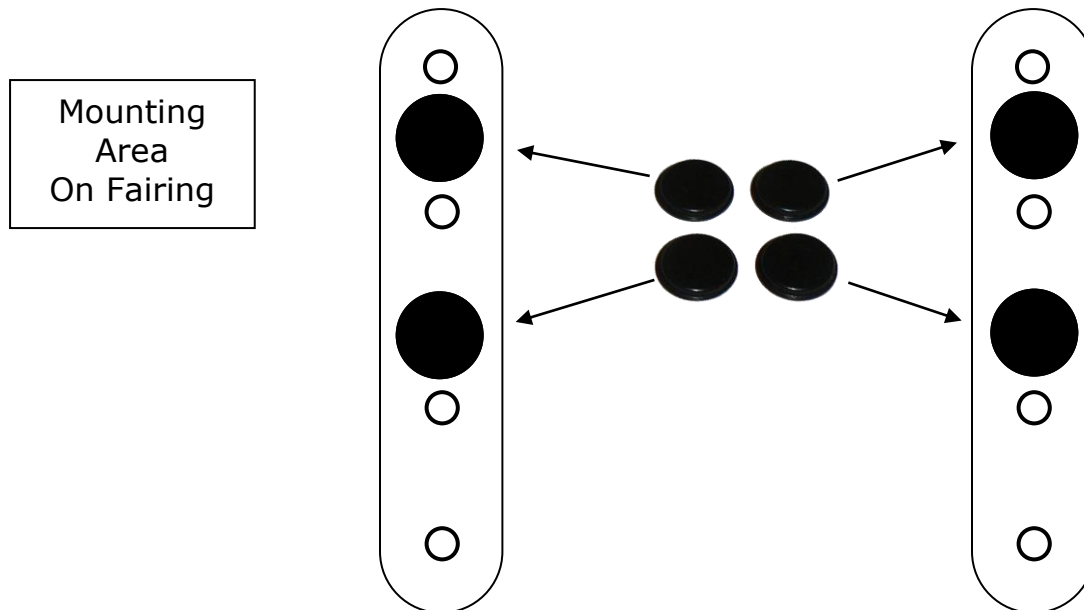
On your current V-Strom setup:

REMOVE THE WINDSHIELD

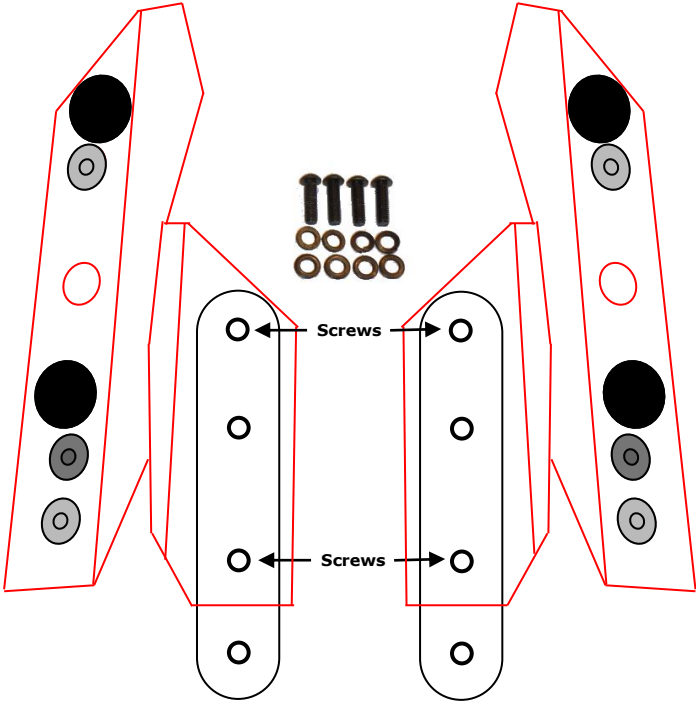
1. Remove the plastic covers over the windshield mounting holes. You **will not need** the two screws that were used, but save them anyway.
2. Remove the four (4) Suzuki screws with plastic shoulder washers that hold down the windshield. **All four screws and washers will be used on your new MadStad mount.**
3. Remove the four (4) screws holding the Suzuki plastic mounting bracket to the dash and remove the bracket (it is shaped like an “H”). You will not need these screws or the bracket, but save them anyway.

BEFORE INSTALLING YOUR NEW MADSTAD MOUNT

Clean the metal mounting area on the fairing using the alcohol swab. When the alcohol dries completely, stick the four (4) rubber bumpers onto the metal between the mounting holes as shown below:

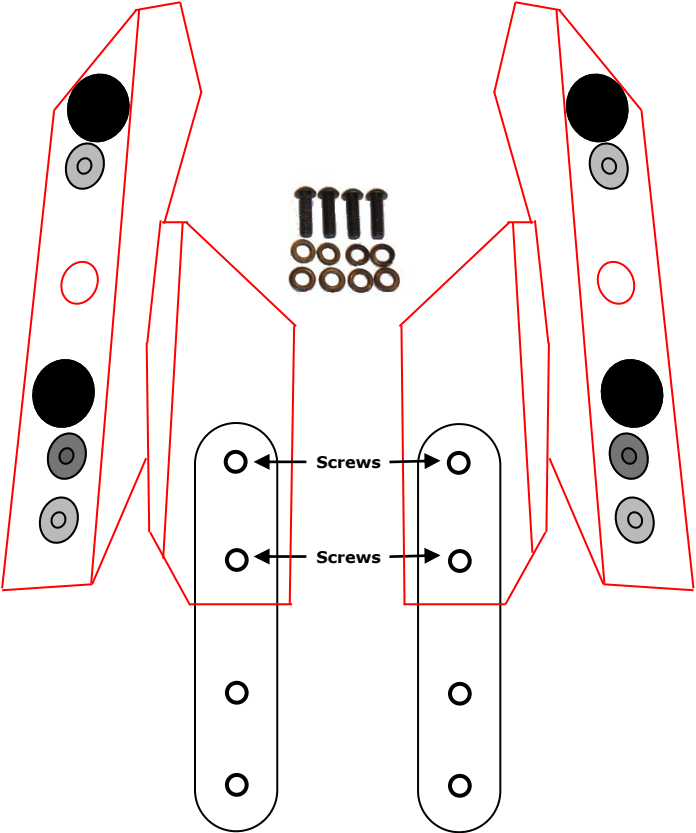


Bracket Mounting Positions



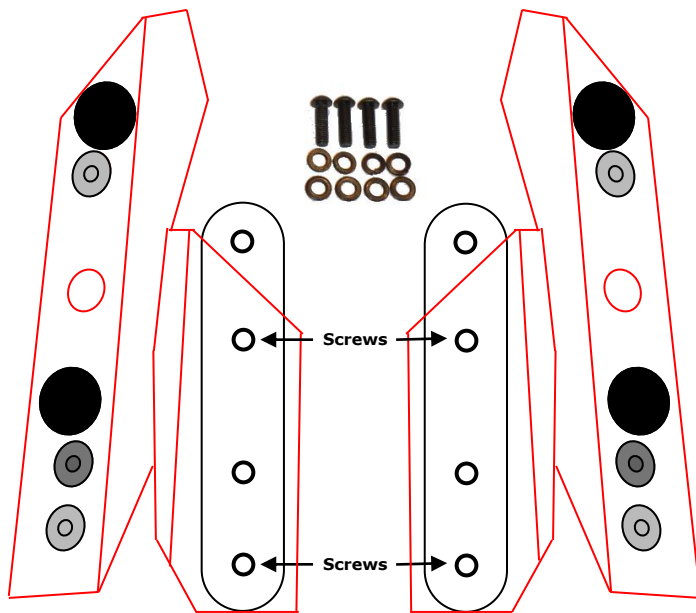
MIDDLE
(Default)

For stock Suzuki and most aftermarket shields.



HIGH

Rarely used, only for stock Suzuki or **SHORT** aftermarket shields.



LOW

For TALL aftermarket
shields. *May* require
moving Pivot Screw.
(see page 5)

MOUNTING THE BRACKETS

Position the brackets over the fairing mounting holes as shown in the previous diagrams. The **MIDDLE** mounting position is the recommended default most windshields 19 in. or smaller (<48 cm). For taller shields 20 in. (51 cm) or more, start out in the **LOW** position. Rarely, if ever, would you want to use the **HIGH** mounting position.

Slide a lock washer then flat washer onto each M6 x 20 mounting screw then secure each side to the fairing as shown. Use an Allen wrench to tighten snugly, but do not over-tighten.

INSTALLING THE WINDSHIELD

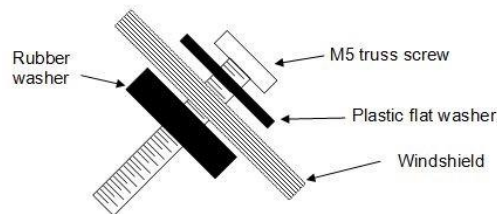
1. Move the upper brackets all the way forward and all the way down. This places both brackets in the same position for easy windshield installation.
2. **Position the windshield over the brackets**, aligning the outer four windshield holes with the well nuts. For the stock screen you can use the stock screws with their plastic shoulder washers, or with our screens use the T-screws with rubber washers provided in the kit. Tighten until each screw begins to protrude through the bottom of the nut 1/8" – 1/4" or so. The well nut will have begun to swell up, and at this point they are snug enough. **DO NOT OVERTIGHTEN!** There is no need to crank the screws down hard.

INSTALLING THE WINDSHIELD (Continued)

NOTE: Do not press the screws hard into the well nuts when screwing them in. If you accidentally push a well nut out you must insert it back up through the bottom by squeezing the top together and pushing it up through the hole. The well nuts *cannot* be inserted down through the top of the brackets.

2. **Replace the two plastic trim covers** using the M5 x 25 Phillips screws through the fender washers then through the covers and windshield into the remaining well nuts. Tighten the screws just enough to secure the plastic covers; if you over-tighten the screws you may crack the trim pieces.

NOTE: If you purchased a MadStad windshield with your brackets, the factory trim pieces will not be used. Most aftermarket windshields do not allow the trim pieces to be reinstalled. Use the M5 x 20 screws with plastic (front) and rubber (back) washers that came with the MadStad windshield to attach your windshield to the MadStad brackets. (see below)



PIVOT SCREWS

The MadStad mount has a pivot screw on each set of brackets, located near the 'M' logo on the bottom bracket. A nylon lock nut keeps the screw 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.

The upper pivot hole gives maximum rearward tilt, and the lower pivot hole moves the tilt range 5 degrees forward. If for some reason you wish to adjust the tightness of this pivot screw or move it to an alternate pivot position, use the 4mm Allen wrench provided, along with 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.

ADJUSTMENT KNOBS

At each black adjustment knob there is a thin rubber washer inserted between the brackets. When adjusting you must loosen the knobs 1-2 to make sure that the thin rubber washer is free enough to allow the brackets to slide back and forth. Once you have the brackets adjusted, you do not need to tighten the knobs down hard, just snug enough so that the thin rubber washer grips the two brackets and prevents them from moving out of adjustment.

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.**

For the stock windshield, initially slide the brackets about 1/2 way up the sliding range and tilted about 2/3 back. 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. If necessary, raise or lower the entire mount to the next set of cowling mounting holes and re-test. 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. **Please make sure that you do not set the windshield in such a way as to cause your handlebars or hand guards (if installed) to hit the windshield when turning.**

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

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. Please visit our website for further details.

MadStad Engineering, Inc.

1451 E. Jefferson Street
Brooksville, FL 34601 U.S.A.

Phone: 352-848-3646

Web Site: <http://www.madstad.com>

Email: support@madstad.com

Thank you for your support, and ride safely!

