

## Adjustable Windshield System

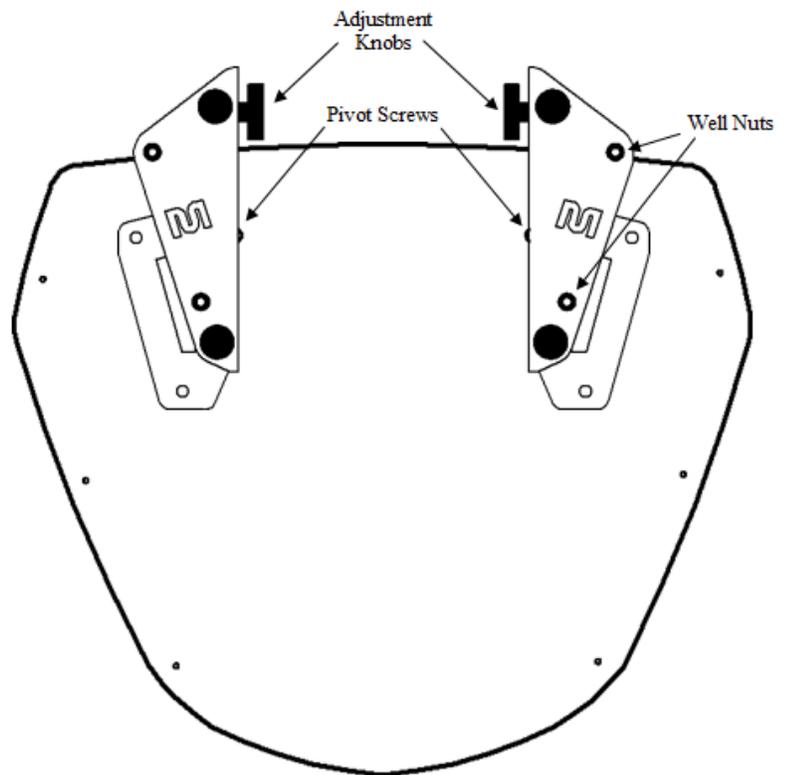
Buell Ulysses

### Installation Instructions

*Please read this entire manual before proceeding with installation.*

#### What Is In The Box:

- (1) Acrylic Flyscreen
- (1) Set of Pre-Assembled MadStadAdjustable Windshield Brackets
- (1) Instruction Sheet (this document)
- (1) Windshield (optional)
- (1) Hardware Packet with:
  - (4) T-screws
  - (8) rubber washers
  - (4) M6 x 12mm button socket screws
  - (4) M6 flat washers
  - (4) M6 nylock nuts



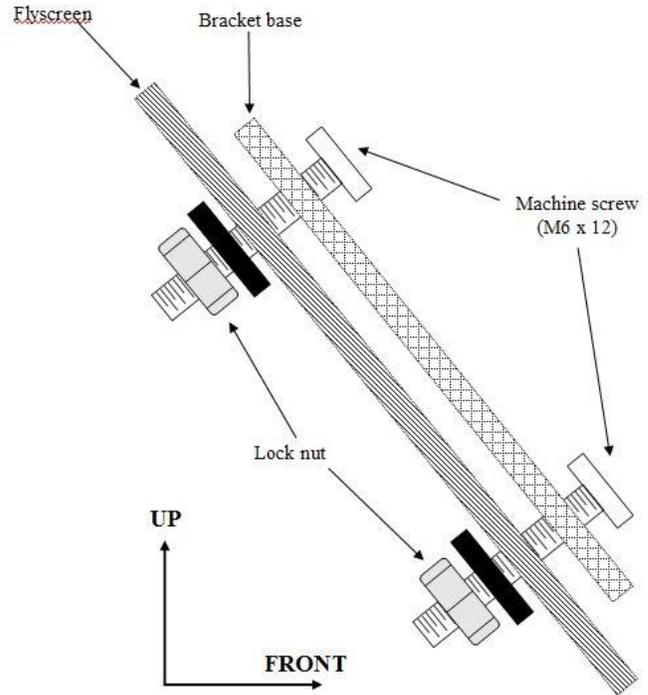
#### ON YOUR CURRENT ULYSSES SETUP:

- 1) Remove the six (6) screws that hold the plastic flyscreen onto the instrument housing using a 1/8" Allen wrench. These screws have thin plastic washers underneath them so be sure to hold onto those. Set the flyscreen and windshield aside for the moment.
- 2) Loosen the nut holding your horn in place and rotate the horn bracket clockwise to about 10 o'clock. This moves the horn out of the way as it may be touching the back of the MadStad flyscreen when in its normal down position. Tighten the nut back down to secure the horn. If still touching the back of the flyscreen, the horn bracket can be gently bent backward for clearance.

## ATTACHING THE BRACKETS TO THE FLYSCREEN

Unwrap the pair of adjustable brackets, and from the hardware packet get the (4) M6 x 12mm button socket screws, the flat washers and the nylock nuts. Install as shown in the image on Page 1 (well nuts facing outward) and using the hardware as shown in the diagram at right. Use a 4mm Allen wrench along with a 10mm socket, crescent or adjustable wrench.

*Please note that the flat washers are on top of the bracket base. This is intentional; they prevent the tips of the upper screws from touching the instrument housing below.*



## INSTALLING THE FLYSCREEN

**IMPORTANT:** We have taken care to match the holes on our flyscreen with the holes on the instrument housing as closely as possible, but some “tweaking” may be necessary. The holes have a bit of “wiggle room” to allow for minor alignment differences, and you may have to start with different screw patterns (not necessarily starting with the top screw holes) to get the easiest hole alignment and fit all around.

1. Place the MadStad flyscreen against the instrument housing and install one of the two top screws just finger tight (left or right, it doesn't matter). Install the other top screw but don't fully tighten it.

**NOTE:** It may be necessary to apply pressure on the middle of the flyscreen, pressing it down so that it will flex outward for the other top hole to line up with the threads in the instrument housing.

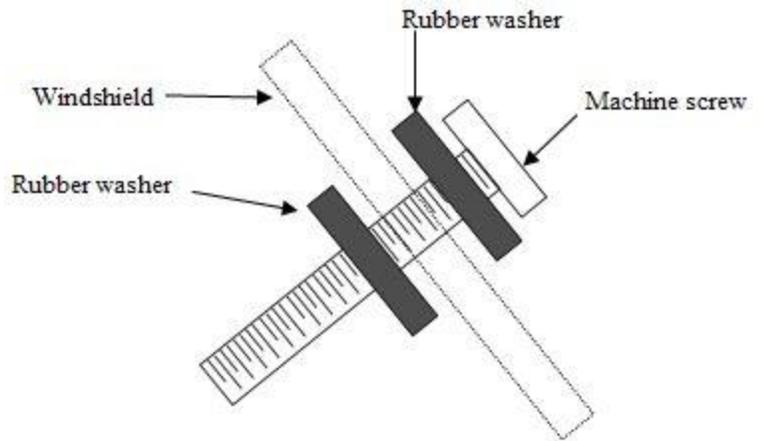
2. Install the next two screws down (the middle-position holes). You may need to push on or flex the flyscreen a bit to get the screws started. Do not tighten these screws completely yet.
3. Install the bottom two screws, again pushing the flyscreen by hand a bit if necessary. As mentioned before, if all the holes have not lined up properly you may need to start over with the middle or bottom screws first, or one top and one bottom screw first, etc.
4. Once all the screws are in properly, tighten them down.

## PREPARING YOUR STOCK OR AFTERMARKET WINDSHIELD

The MadStad mount uses machine screws and well nuts to bolt to fasten the shield to the well nuts in our brackets. If you are going to use your stock or aftermarket windshield you must push or pry out the plastic stems that are inserted into the shield. An easy method is to push up on the post enough to insert a flat screwdriver all the way under the head of the insert, then gently pry upward to pop the insert out. Fold a piece of electrical tape over the tip of the screwdriver to prevent it from scratching the windshield.

## INSTALLING YOUR WINDSHIELD

The four machine screws used to attach the windshield to the brackets must have a rubber washer above the windshield, and a rubber washer below the windshield. Here is a diagram:

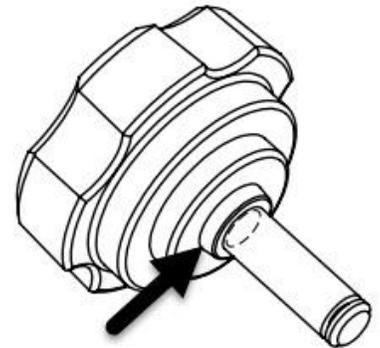


1. Install the screws and rubber washers as shown in the above diagram.
2. Make sure that the brackets are both in the same position, and that the adjustment knobs are snug (to prevent the brackets from shifting as you install the windshield).
3. Place the windshield over the brackets and set the screw tips into the rubber well nuts in the brackets. Tighten each screw until the well nut swells up and holds the windshield snugly. You may need to reach underneath and press upward on the bottom of each well nut to help the threads engage with the screw. **DO NOT OVERTIGHTEN**, you could damage the well nuts! It isn't necessary to crank the well nuts down hard, just until they swell up a bit underneath.

## Adjusting the MadStad Brackets

The knobs on the adjustable brackets are used to loosen the mechanism allowing the windshield to slide up and down, and tilt forward and back. 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.

To make adjustments, loosen the knobs 1-2 turns to release height adjustment, and 3-4 turns to release angle adjustment. **IMPORTANT:** The knobs have a special conical ring at the base of each knob (see image at right) and this ring is designed to seat into the scallops in the curved bracket slot. That's why you have to unscrew them a bit extra for angle adjustment. It is also important that this ring seats back into the bracket slot fully when you tighten it up, otherwise your height adjustment may slip out of place. Jiggle the knobs slightly when you are tightening them back down, and also do a visual check to make sure they are seating fully into the bracket slot.



For your first ride 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 (at about the middle of the bracket angle adjustment range). Tighten the knobs as described above 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 position, bring the motorcycle to a complete stop and out of traffic. Loosen the two knob screws and tilt the windshield forward or back 3 degrees (1 click/position along the curved angle adjustment slot) and/or adjust it up or down if necessary. Re-tighten the knobs and go for another ride. Most windshields work best when set between 57 and 63 degrees, and every rider is different so you may have to experiment a bit to find the height and angle that works best for you.

### **Pivot Screws**

The MadStad mount has a pivot screw on each set of brackets. It is fastened with a nylon lock nut which 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 slide. If for some reason you wish to adjust the tightness of the pivot screws, use the 4mm Allen wrench (hex key) along with a 10mm socket 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](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.

### **MadStad Engineering**

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*Thank you for your business, and ride safely!*