Adjustable Windshield System

Triumph Tiger 1200

Please read this entire manual before proceeding with installation.

What is in the box:

(1) MadStad windshield
(1) Adjustable brackets set
(1) Acrylic rear deflector
(3) M5 x 25 Phillips screws
(3) M5 plastic flat washers
(1) soft rubber washers
(1) 1/4" thick black plastic spacer
(2) M5 x 16 truss screws
(2) M5 split lock washers
(4) M5 T-Screws
(4) 3/8L rubber washers
(4) soft rubber washers

Tools Needed:

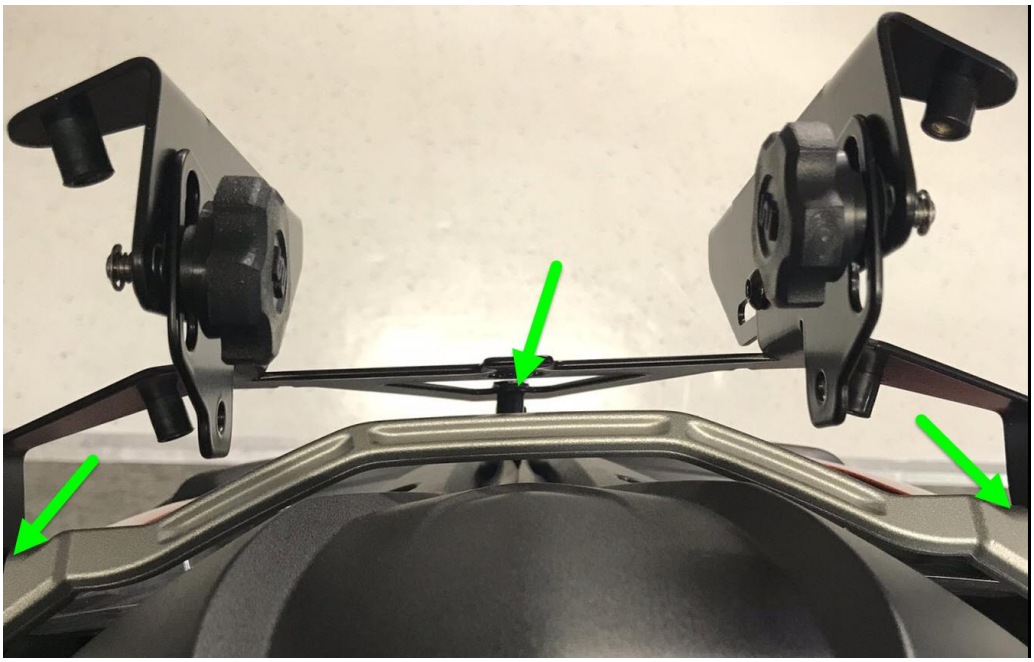
- M4 Allen wrench

STEP 1: Remove the factory shield and plastic bracket

Remove the factory windshield, it will not be used and will not fit the MadStad adjustable brackets. Also remove the plastic bracket that the windshield was attached to. Three screws hold this on: two at the sides screwed in horizontally into the metal pivoting arch, and one at the bottom center. Remove these screws using the M4 Allen wrench. Hold onto the bottom center screw, it will be used in the next step.

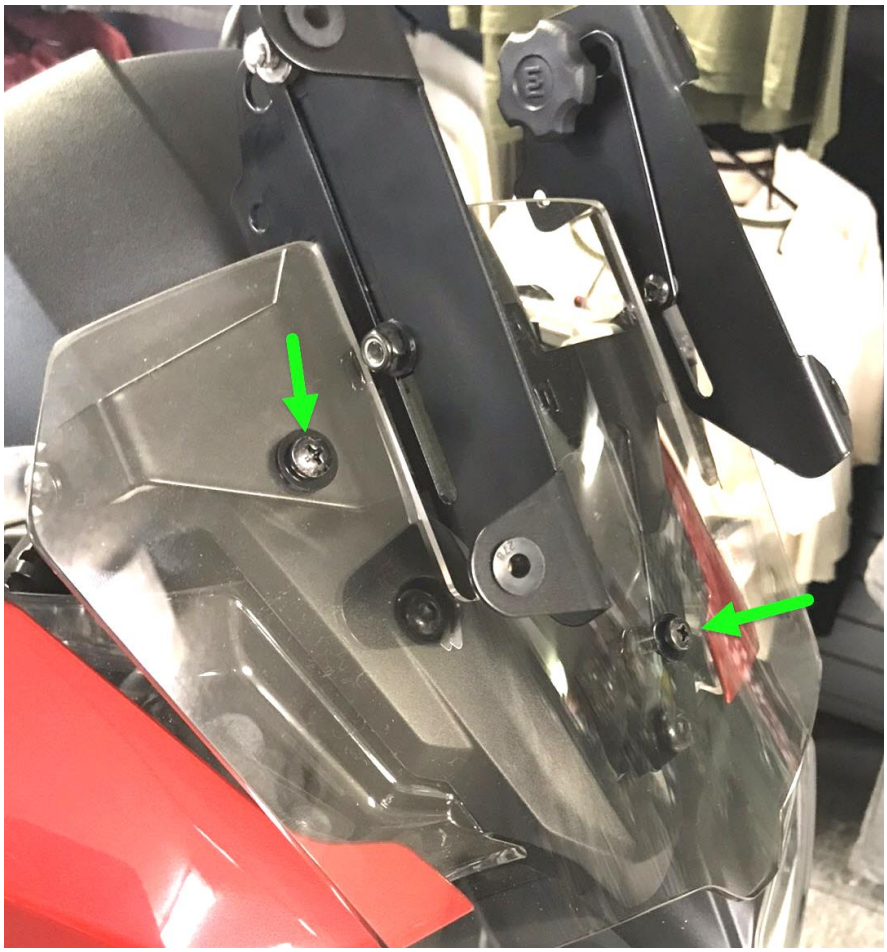
STEP 2: **Attach the MadStad brackets to the bike.**

Fasten our bracket assembly to the bike where the factory plastic bracket just came off. Use the two M5 x 16 Phillips head screws with split lock washers to fasten our two bent tabs at the upper to the sides of the cast metal arch. There should already be plastic sleeves set into those tab holes to allow the new base bracket to rotate should you decide to raise it up with the motor. The bottom center screw goes through our bracket bottom center hole right back into the factory threaded hole. See photo below.



STEP 3: **Attach the rear deflector**

Once the brackets are installed then the short acrylic deflector slides onto the brackets via the slots. There are three rubber well nuts in the bracket plate for attaching this deflector. Before sliding it on you will take one of the M5 x 25 Phillips screws with a flat plastic washer under the head and run it through the bottom-center deflector hole, then put the 1/4" thick black plastic spacer and a soft rubber washer on the screw on the back side. Then slide this deflector onto the brackets (below the hex nuts at the middle of the brackets) and set the bottom-center screw into bottom-center rubber well nut. Get it started but don't fully tighten yet. Then fasten down on the left and right with the other M5 x 25 Phillips screws (with flat plastic washers under the head) into the rubber well nuts in our brackett plate, then screw down the nose screw.



STEP 4:

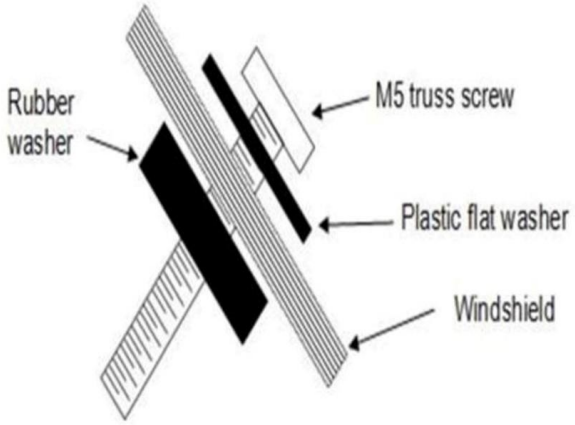
Windshield Installation

1. Pre-install the Truss screws & washers into the windshield holes as shown in the image below.

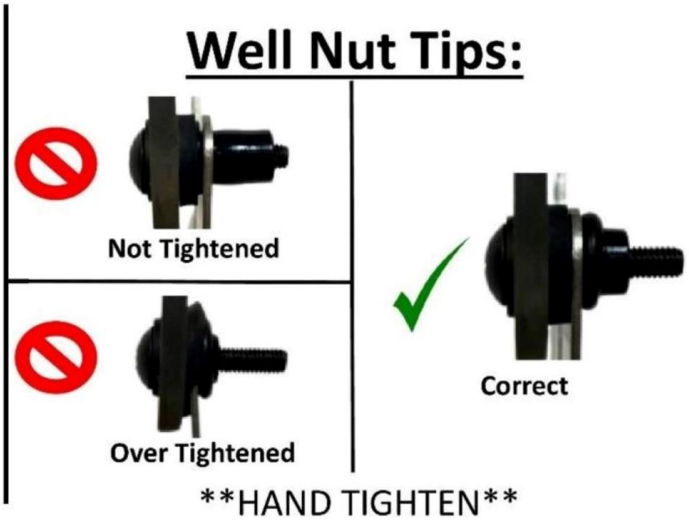
2. Once all four of the screws are in place, gently guide the screws into the Well Nuts in the brackets until all four are set.

3. Hand tighten the Truss screws until they swell up behind the bracket and are firmly holding the windshield.

Windshield Layout:



Well Nut Tips:



The final installation should look like the photo above. The electric up/down system still works but you probably won’t need it. Set the shield height and angle as explained in the next section, with the electric system fully down.

Adjusting the Windshield Brackets

Although our system will move up and down with the factory bracket, you can control height and angle with the MadStad brackets. The black plastic knobs release the windshield allowing it to slide and tilt. These knobs 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. You only need to loosen the knobs 1 turn to free up the mechanism for height adjustment, however it will take 2-3 turns to loosen them for angle adjustment. This is because the knob seats itself into the scalloped angle adjustment slot and it needs to come out far enough to unseat for angle adjustment.

Initially 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, or eyeball from the side so the shield angle is about the same as the fork angle.) Tighten the knobs and go for a ride to see how the airflow feels and where it is going. 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!

Continue experimenting with different positions at different speeds until you find a combination of height and angle that eliminates buffeting and gives a smoother ride.

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.

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Thank you for your support, and ride safely!