

Adjustable Windshield System Triumph Street Triple 2012-2016

Please read this entire manual before proceeding with installation.

What is in the box:

- (1) Gauge cluster bracket
- (3) M6 x 16 button socket screws
- (3) Split ring lock washers
- (1) Nose bracket
- (1) M8 x 60 button socket screw
- (2) 1/2" x 5/16" x 1/2" tall spacers
- (1) M8 flat washer
- (1) Base Plate w/3 spools installed
- (3) M6 nylock nuts
- (3) M6 x 16 button socket screws
- (3) M6 flat washers
- (1) Adjustable bracket assembly

(1) Fly screen bracket assembly

- (8) M5 truss screws
- (8) plastic flat washers
- (8) soft rubber washers
- (1) zip tie









Tools Needed:

- 6 mm Allen wrench
- 5 mm Allen wrench
- 4 mm Allen wrench
- 10 mm open-end or box-end wrench
- T-15 Torx screwdriver
- #2 Phillips screwdriver

This MadStad quick-release adjustable windshield bracket system was created to bolt to the cast metal frame which holds the headlights and instrument cluster to the forks. Once our base plate assembly is attached it stays on the bike and both the fly screen and adjustable touring screen simply snap on and off. The completed base assembly is shown below. Note that the plastic cover behind the instrument panel will not be used, however the MadStad fly screen and windshield will provide coverage for that area.



INSTALLATION

STEP 1: – Remove the plastic cap from the back side of the instrument cluster. It simply separates and pulls off.



STEP 2 – Pull back the rubber boot from the wiring harness at the back of the instrument cluster, push in on the small tab on the plug to release it and pull it out. Move the wiring harness to the clutch side out of the way for now.



STEP 3 – Between and below the two headlights there is a clamp which holds the headlight assembly in place. Use an M6 Allen wrench to get up under that

clamp and loosen the front bolt just enough so that you can rotate the headlights down a bit for better access to the small Torx screw that is helping to hold the instrument panel in place (see image below). You may need to slightly loosed the rear clamp bolt also before the headlights will rotate. Remove that Torx screw and then the entire instrument panel will come off just by pulling it back toward the driver. What is left behind will look like the second photo below. We've marked the three open



threaded holes because you will be using them for the next step.



STEP 4 – The gauge cluster bracket mounts to the driver's side of the instrument mounting plate. Use the four M6 x 16mm button socket screws with split lock washers under the heads, then screw down the plate as shown here.



STEP 5 – Push your instrument panel back in, secure the Torx screw at the back and re-attach the electrical cable. Use the included zip tie to secure the cable to the center post as shown here.



STEP 6A – Pre-assemble the nose support as shown below using the M8 x 60 mm bolt, flat washer, then bracket then the two spacers. This bolt will replace the factory clamp bolt that you loosened earlier beneath the headlights.



STEP 6B – Remove the front clamp bolt that you loosened earlier and install our nose support assembly instead. Snug up the bolt however don't fully tighten it until the headlights are rotated back up to their normal forward position, and the nose support bracket is centered between them.



STEP 8 – The front of your bike should now look like the photo at right:

Take the base plate and attach it to these three bracket tabs using the M6 x 16 mm screws through the plate and the tabs, then a flat washer and M6 lock nut on the back side (see photo below). Make sure all fasteners are snug including the headlight clamp.





Windshield Installation

Both the touring windshield and the fly screen attach to their respective quick-release plates with the Philips truss screws, plastic flat washer and rubber washers on the back side of the shields as shown at right. Pre-



mount these screws before laying them over the brackets and screwing them into the rubber well nuts. **DO NOT OVERTIGHTEN THE WINDSHIELD SCREWS!** 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.

Quick-Release System

The three spools on the base plate have slots in them as seen in the photo at right. The three holes in the quick release plate (white rings below) slip over these spools, slide fully down into the slots and the locking key snaps down over the top two spools. <u>Do not hold the locking key when</u> <u>attaching;</u> it will spring up and out of the way on its own. Simply apply a little pressure as you push the plate onto the spools and slide down to seat it in.

Locking Key

The key lifts up off of the plate via spring action as seen in the photo below. Use the tab in the center to maneuver the key, and to lift it up for removal. If the locking key does not line up and snap down onto the two upper spools properly during installation you must shift it until it does snap over and is fully seated down over the spools. **DO NOT DRIVE THE BIKE** if the key is not locked down fully into place!

To remove the fly screen or windshield from the quick-release base, you must hold the key open (as shown below) and up off of the spools. With the key lifted clear then pull up on the screen and it will slide up off of the spools, at which point you can release the key and tilt the screen forward slightly to complete removal.



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 fist 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. (Use the angle guide on the back page of this manual as a guide, setting the spine against the front surface of the shield.) 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.

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 <u>www.madstad.com</u>. 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!



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