

MADSTAD

ENGINEERING

Adjustable Windshield Triumph Fork-Mount System

Please read this entire manual before proceeding with installation.

SPOOL TOPS ARE NOW BLACK

Bracket Installation:

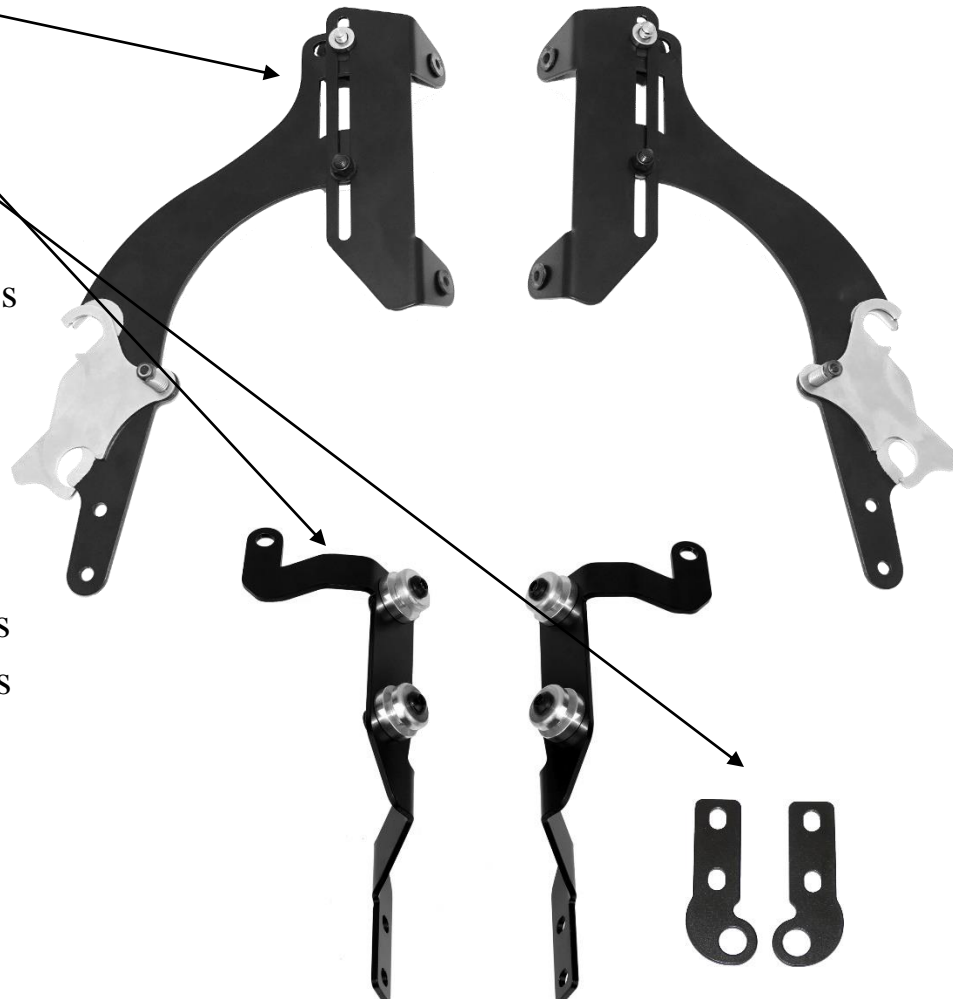
- (2) Adjustable shield brackets
- (2) Fork-mount brackets
- (2) Fork-mount bottom tabs
- (2) M8 x 40 socket head screws
- (2) 1/2" aluminum M8 spacers
- (4) M6 x 16 button socket screws
- (4) M6 metal flat washers
- (4) M6 nylock nuts
- (4) Adhesive bumpers

Windshield Installation:

- (4) M5 x 25 Phillips truss screws
- (4) #10 black plastic flat washers
- (4) soft rubber washers

Optional Lower Deflectors:

- (2) Lower deflector brackets
- (2) Lower deflectors
- (4) M6 x 16 button socket screws
- (4) M6 plastic flat washers
- (4) M6 metal flat washers
- (4) M6 nylock nuts



Overview of first steps:

The Fork-mount brackets attach to the motorcycle's top fork clamps. The small tabs attach to the bottom fork clamps. They are joined together to make one attachment Fork-mount bracket per side.

DO NOT loosen both fork clamp bolts at the same time. The fork tube could slip out of position.



Step 1: Attach Fork-mount bottom tabs:

a. Remove the stock lower fork clamp bolt. **b.** Attach the Fork-mount bottom tab using the stock bolt. *Orient the tab so that it sits vertical, parallel to the fork (see photo).* **c.** Tighten fork clamp securely. **Repeat steps on the other side.**

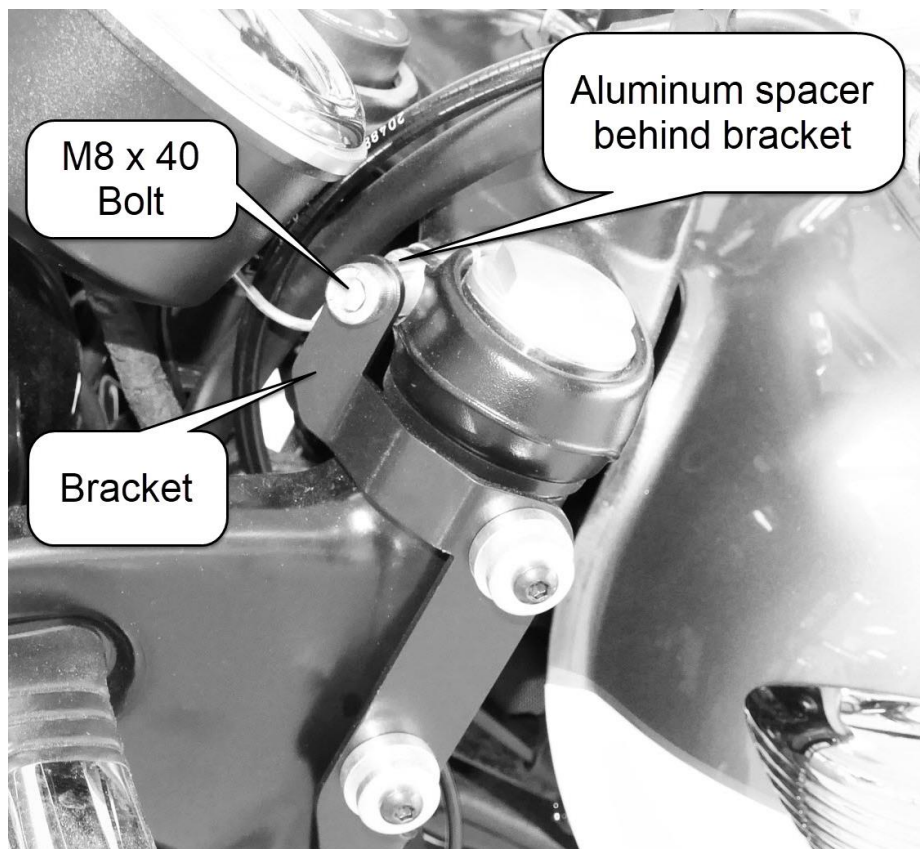


Step 2: Attach Fork-mount bracket:

a. Rubber bumpers should be stuck onto the back of the two screws. This is to protect the fork tube. Extra adhesive bumpers have been provided if necessary.



b. Remove the stock top fork clamp bolt (not used again). c. Position the Fork-mount bracket as shown below. Insert the provided *M8 x 40 socket head screws (bolts)* through the bracket. d. run spacer up screw **BEHIND** the bracket – screw into the clamp hole, **but not fully tight yet.** – see next step



d. Tighten fork clamp securely. As you do this, check the alignment of the bracket with the tab installed in step #1. They should overlap. e. Run the M6x16 screws into the overlapping holes to keep aligned as you go to tighten the top fork bolt.



Step 3: Secure Fork-mount tab. a.

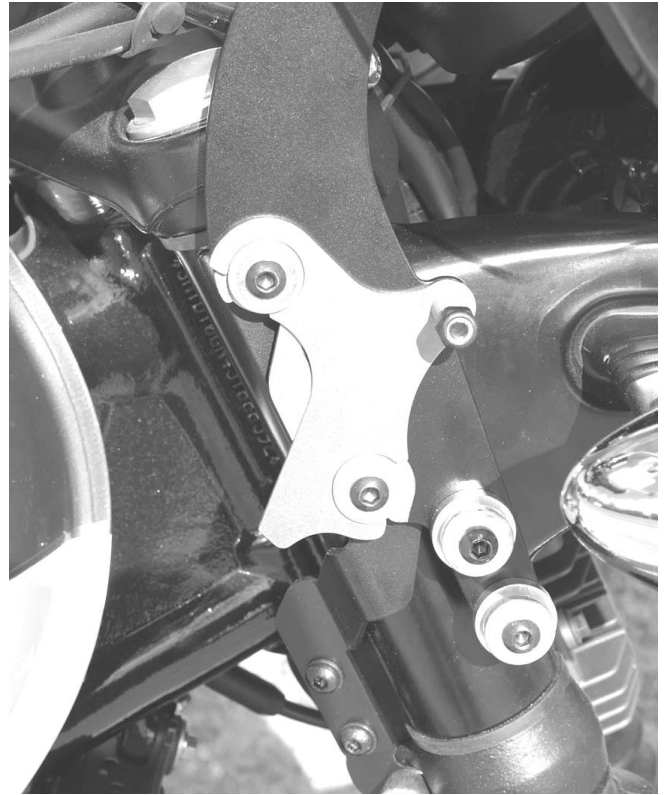
Tighten fork clamp securely. As you do this, check the alignment of the bracket with the tab installed in step #1. They should overlap. **e.** Run the M6x16 screws into the overlapping holes to keep aligned as you go to tighten the top fork bolt. The M6 flat metal washer is between the screw and longer bracket. The M6 locking nut is behind the locking tab.



The quick-release windshield brackets will snap onto the aluminum spools on these brackets, and you will do that first before attaching the shield to the brackets.

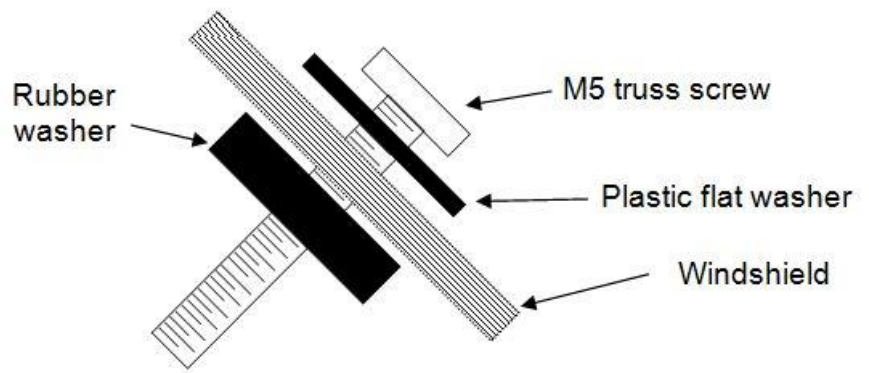
Using the Quick-Release System

The adjustable shield brackets have U-shaped slots that slide onto the aluminum spools. Make sure the spring-loaded keys are set out of the way (first photo below). Slide the brackets fully down onto the spools, then pry up the spring-loaded key tab and rotate it over the top of the spools to lock the brackets in place (second photo below). To release the brackets, simply pull up on the key tab and rotate the key back up and over out of the way. Pull the brackets up and out of the spools (you may have to wiggle them a little as you lift).



Attach Windshield:

a. Once the adjustable brackets are both attached to the bike, you can set the shield over them. The windshield attaches to the brackets with *M5 x 25 Phillips truss screws, M5 plastic washers and M5 rubber washers* as shown in the diagram.



b. Set up all four screws in the four windshield holes. **c.** Bring the shield over the brackets and set the screws into the rubber well nuts. Screw them in until the rubber of the well nut swells and makes a secure connection. Do this for all four screws until the windshield is secured to the brackets.

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.

Once the windshield is attached to the Adjustable fork-mount brackets the system is now capable of being removed and reattached using the quick-release feature. That functionality is covered a little later in this guide.

Optional Lower Deflectors kit:

There will be another set of aluminum spools at the bottom of the windshield brackets. This is where the lowers clip on, the same way that the windshield clips onto the fork brackets. See the next page for details.

Lower Deflectors: (optional equipment, available separately)

The lower deflectors attach to their brackets with the M6 button screws, flat washers and lock nuts. There is an oval hole in each deflector which gets set over the spring post on each bracket.

Attaching the lowers to the bike is simply a matter of sliding the U-shaped slots onto the aluminum spools, then rotating the small key down in between the two spools. (See photo below.) Make sure the key is set all the way down to lock them in.



Adjusting the Windshield Brackets

The knob screws release the brackets allowing the windshield to slide and tilt. These knob screws must always be tightened securely before riding.

The basic starting position of the windshield should be to angle it about the same angle as your forks (maybe back slightly more), and set the top edge of the shield to be at about your chin level as you look straight ahead. Tighten the knobs and go for a ride to see if the air flows smoothly over 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.

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.

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Thank you for your support, and ride safely!

