

MADSTAD

E N G I N E E R I N G

Adjustable Windshield System

Harley-Davidson Road Glide (2015+)

Please read this entire manual before proceeding with installation.

What is in the box:

- (1) Set of preassembled Robo Knob brackets
- (1) Black acrylic adapter plate
- (4) M6 x 16mm mounting screws
- (4) M6 flat washers
- (4) M6 lock nuts
- (4) M5 x 25 Phillips truss screws
- (4) M5 black plastic washers
- (4) 1/8" thick rubber washers

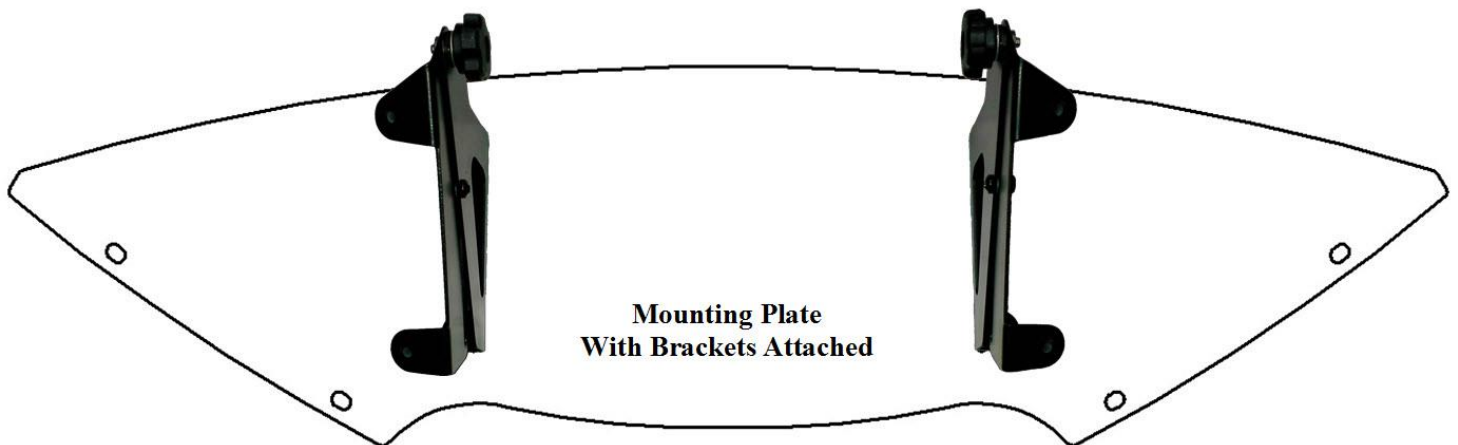
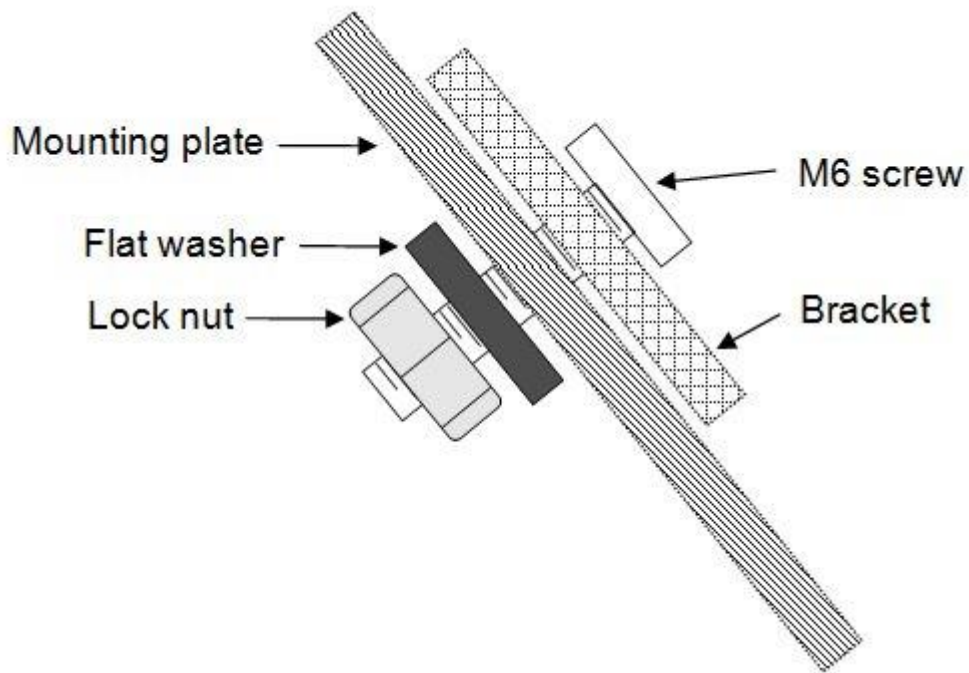


You will need to remove your factory windshield; it is not adaptable for use with these brackets. However you will be using the factory windshield screws and the trim strips to bolt our system onto your bike.

Using a 1/8" Allen wrench, remove the four screws and chrome trim strips that are holding your windshield on. Gently pull the stock shield off of the rubber gasket that it is sitting on. Do not remove the rubber gasket; it will be used with the MadStad system.

STEP 1: Install the brackets onto the base shield.

Your Robo Knob brackets attach to the black acrylic adapter plate (base windshield), and you will need to bolt them on before installing the plate to the bike. Use the four M6 x 16 screws with flat washers and lock nuts as shown in the diagram below. **DO NOT OVERTIGHTEN!**



STEP 2: Base Shield Installation

The glossy black MadStad base shield attaches to your Road Glide fairing just like the stock shield. Set the MadStad shield up against the black rubber gasket, set the stock chrome trim strips (if applies) over the mounting holes and run the factory mounting screws into the fairing. **DO NOT USE A POWER DRILL** to install these screws; you could very easily damage the threaded brass inserts that are molded into the fairing. Use a hand Allen wrench or driver and be careful not to cross-thread.

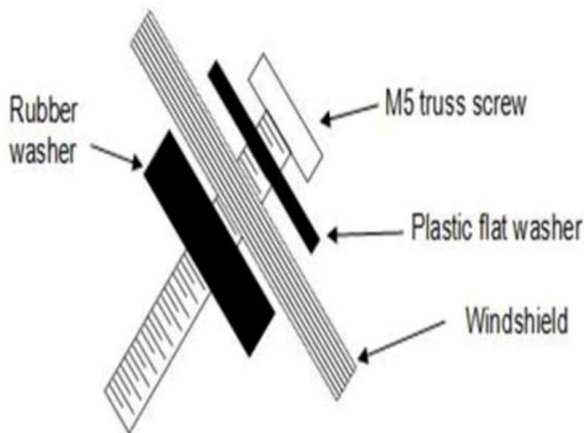


STEP 3:

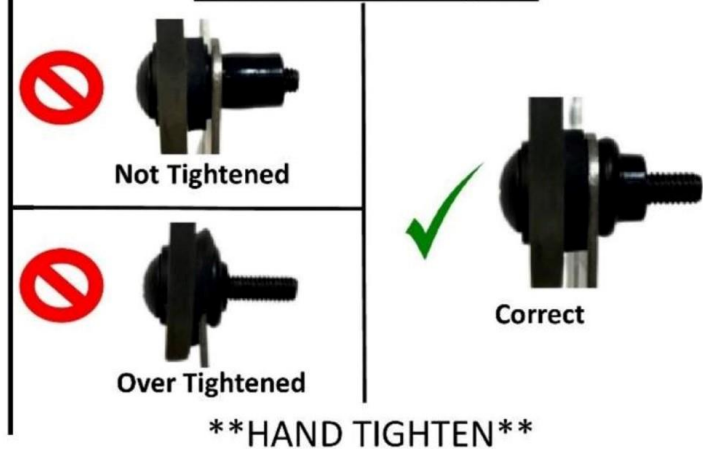
Windshield Installation

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:



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. **DO NOT** attempt to adjust the brackets while riding! You must come to a complete stop before making adjustments. Also make sure that you do not set the windshield in such a way that causes your handlebars or hand guards (if installed) to hit the windshield when turning, or before reaching full lock.

To make adjustments, loosen the knobs 1-2 turns and 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.) 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.

PIVOT SCREWS

The MadStad mount has a pivot screw on each set of brackets, located near the center of the bottom bracket. A nylon lock nut keeps the screw snugly 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. Over time it may loosen up a bit so adjust the tension slightly if necessary.

Notes on Windshield Angle

Most windshields work best when set at a 55-60 degree angle. You may find better results angling the shield parallel to the base shield which is at 50 degrees. We have provided an angle guide **on the back page of this manual** so that you can check and see if your shield is set somewhere in this range.

To check your shield angle, your bike should be in an upright position either on a center stand or held up by a helper. Set the spine (folded edge) of the manual against the front of the shield. If the large arrow marked 60° is pointing straight up, then your shield is at a 60 degree angle. (See diagram on Page 5.) Anywhere close to this setting is fine for your initial test ride. You may set the shield back more when riding solo, or push it to a more vertical with a passenger (to bump the air up a little higher).

There are free smartphone apps that turn your phone into an angle finder (inclinometer) or you can purchase mechanical angle finders at your local hardware store, but these things are not a requirement. Most riders can find their sweet spot through simple trial and error.

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 warranted 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!

