MADSTAD
ENGINEERING

Adjustable Windshield Mount

Honda CTX700D

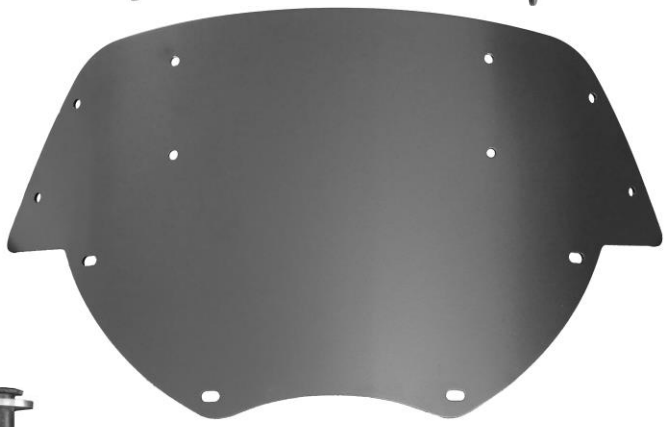
Please read this entire manual before proceeding with installation.

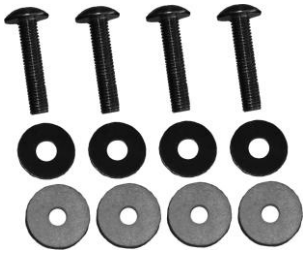
<u>What is in the box</u>:

(1) Set of MadStad adjustable brackets
(1) Black aluminum base plate
(4) M6 x 12 mounting screws
(4) M6 flat washers
(4) M6 lock nuts
(4) M5 Rubber well nuts with washers

(2) Plastic side deflectors
(4) M5 x 16 truss screws
(4) M5 nylock nuts
(4) #10 plastic flat washers
(4) #10 plastic shoulder washers

<u>Windshield mounting:</u>
(4) M5 Phillips screws
(4) M5 plastic washers
(4) soft rubber washers

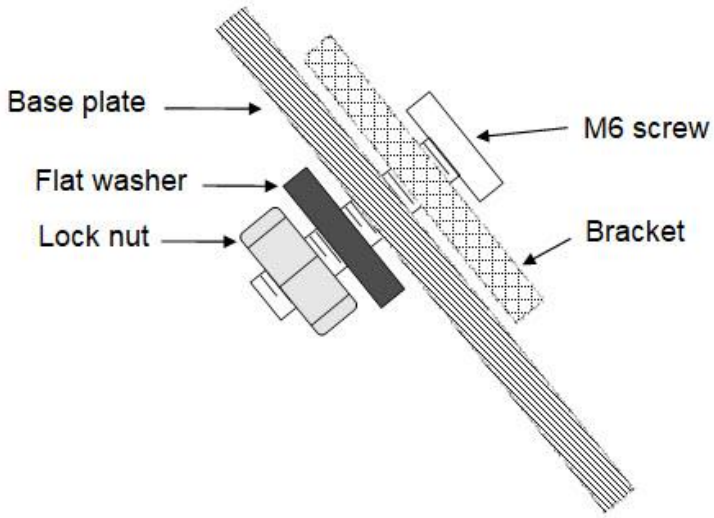


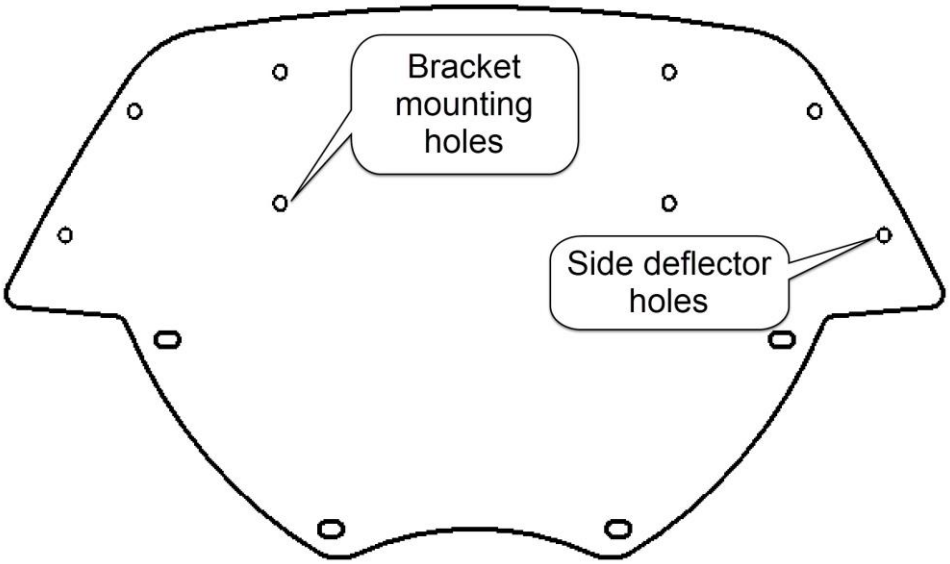


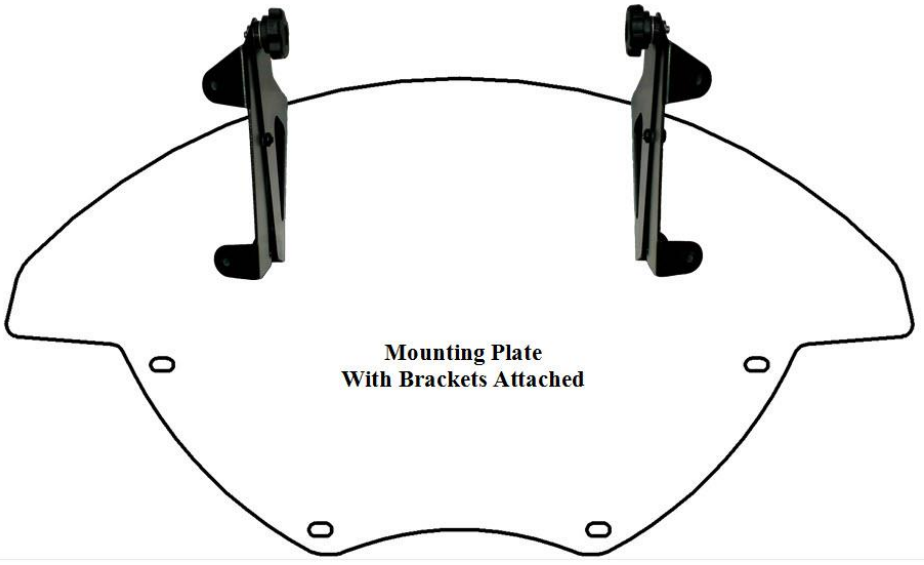
You will need to remove your factory windshield; it is not adaptable for use with these brackets. Please see the separate two-page instructions for removal of the stock shield.

Base Plate Setup:

Before installing the base plate onto the bike, you need to install the brackets and the side deflectors onto the plate. The adjustable brackets bolt to the MadStad base plate as shown below. Use the four M6 x 12 screws with washers and lock nuts as shown in the diagram at right. The knobs on the brackets go to the insides (facing each other) with the knob sides up. When both brackets are installed it should look like the diagram below.

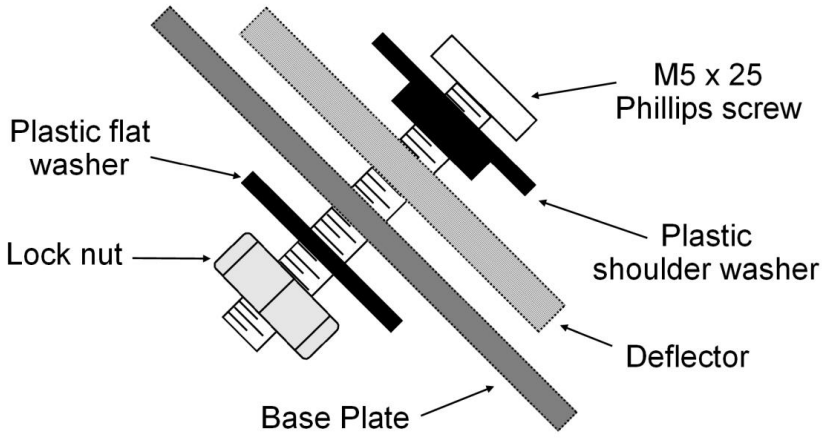






Side Deflector Setup:

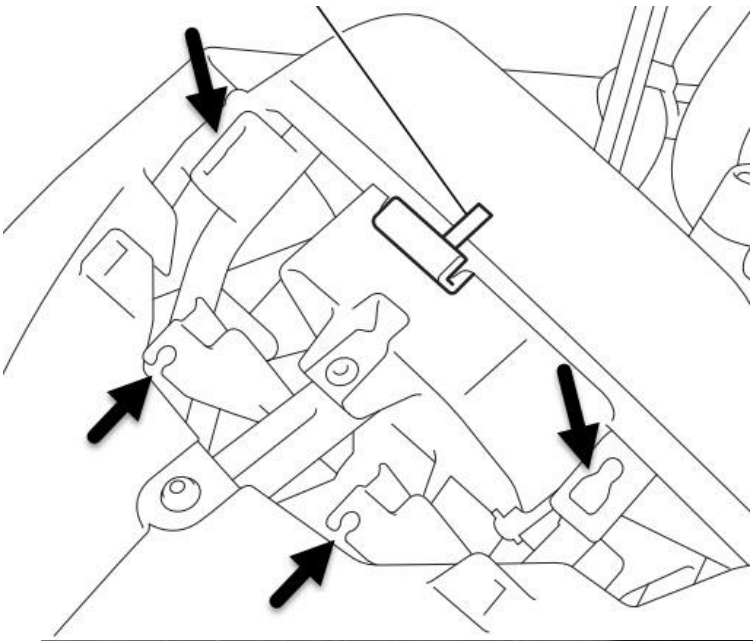
The side deflectors are installed loosely and will be adjusted after the base plate goes onto the bike. It is easier to install them now because of the tight clearances behind the plate.



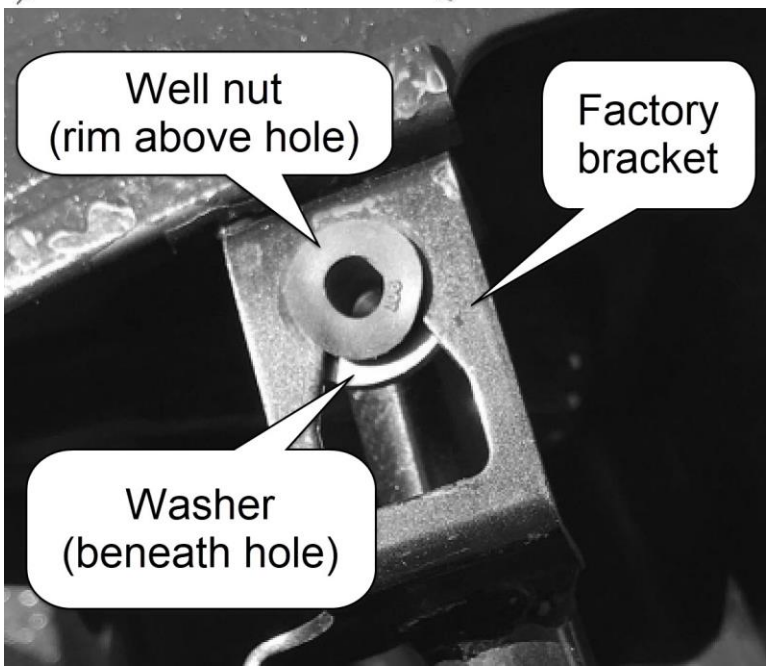
Each side deflector is attached with an M5 screw and shoulder washer (the 2-level washer) in the front and the plastic flat washer and lock nut on the back as shown in the diagram above. Tighten each screw and nut together enough to hold the deflectors on but have room for movement.

Fasteners Setup:

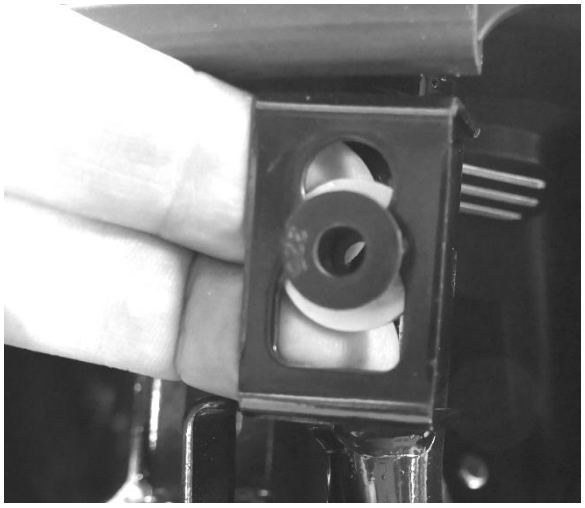
Before you can attach the base plate to the bike you have to replace the factory rubber mounting nuts (well nuts) which are in the metal brackets inside the fairing (see image at right). Remove and discard the old rubber fasteners.



Instead you will insert the pre-assembled M5 rubber well nuts which have metal washers on them. These well nuts slide into the factory slots with the rubber rim of the well nut above the hole, and the metal washer below it as seen at right.



For the upper holes, tilt our well nut assembly into the hole so the washer goes through diagonally. Then slide the well nut upward through the gap to snap it into the round part of the hole.



For the lower holes simply push the rubber nuts up through the open gap to snap them in, making sure the rubber rim is on top and the metal washer underneath. *Try and keep the flat washers tight up against the back of the factory hole*.

Base Plate Attachment:

Place the MadStad base plate over the four well nuts then take the factory screws and tighten them by hand. DO NOT OVERTIGHTEN, you could damage the well nuts. Once they swell up they will hold the plate securely.

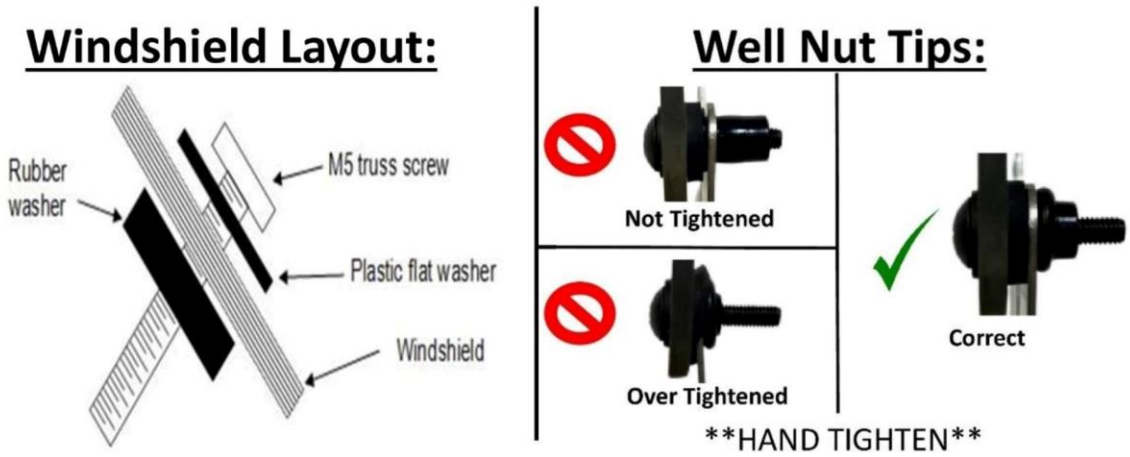
Then replace the front panel and trim pieces back onto the bike in the reverse order they were removed. Then go back and adjust the side deflectors so they match up to the line of the fairing and tighten their screws the rest of the way.

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.



Adjusting the Brackets

The knob screws release the brackets allowing the windshield 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. 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!

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.

Continue experimenting with different positions at different speeds until you find a combination of height and rake angle that eliminates buffeting and gives a smoother ride. You may have more than one favorite position, for example shield tilted forward on cooler days, and shield tilted back for hot days to let more air to your body.

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.

If for some reason you wish to adjust the tightness of this pivot screw or move it to an alternate pivot position, use a 4mm Allen wrench along with a 10mm socket or crescent wrench to make the adjustment. **NOTE**: If you tighten the lock nut completely you will not be able to slide the brackets!

Notes on Windshield Angle

Most windshields work best when set at a 55-60 degree angle. **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.) A little farther back and your angle would somewhere between 55 and 60 degrees. Anywhere in this range is fine for your initial test ride. On some bikes a more vertical angle works better, so don't be afraid to experiment later if tilting the shield back doesn't seem to be ideal.

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.

MadStad Engineering, Inc.

1451 East Jefferson St.
Brooksville, Florida 34601 USA
Phone: 352-848-3646
Web Site: http://www.madstad.com
Email: support@madstad.com

Thank you for your support, and ride safely!