

# MADSTAD

## MadStad Adjustable Windshield Mount

Honda NM4

*Please read this entire manual before proceeding with installation.*

### What is in the box:

(1) Set of MadStad adjustable windshield brackets

(2) Extension plates

(1) Aluminum crossbar (147mm)

(6) M6 x 16 Screws

(2) 1/4" split lock washers

(4) M6 x 16 mounting screws

(4) M6 flat washers

(4) M6 lock nuts

(4) M5 truss screws

(4) M5 plastic washers

(4) soft rubber washers



### **Tools Needed:**

- 4 mm Allen wrench (hex key)
- 10 mm wrench (open-end, box, or small adjustable crescent)
- #2 Phillips screwdriver

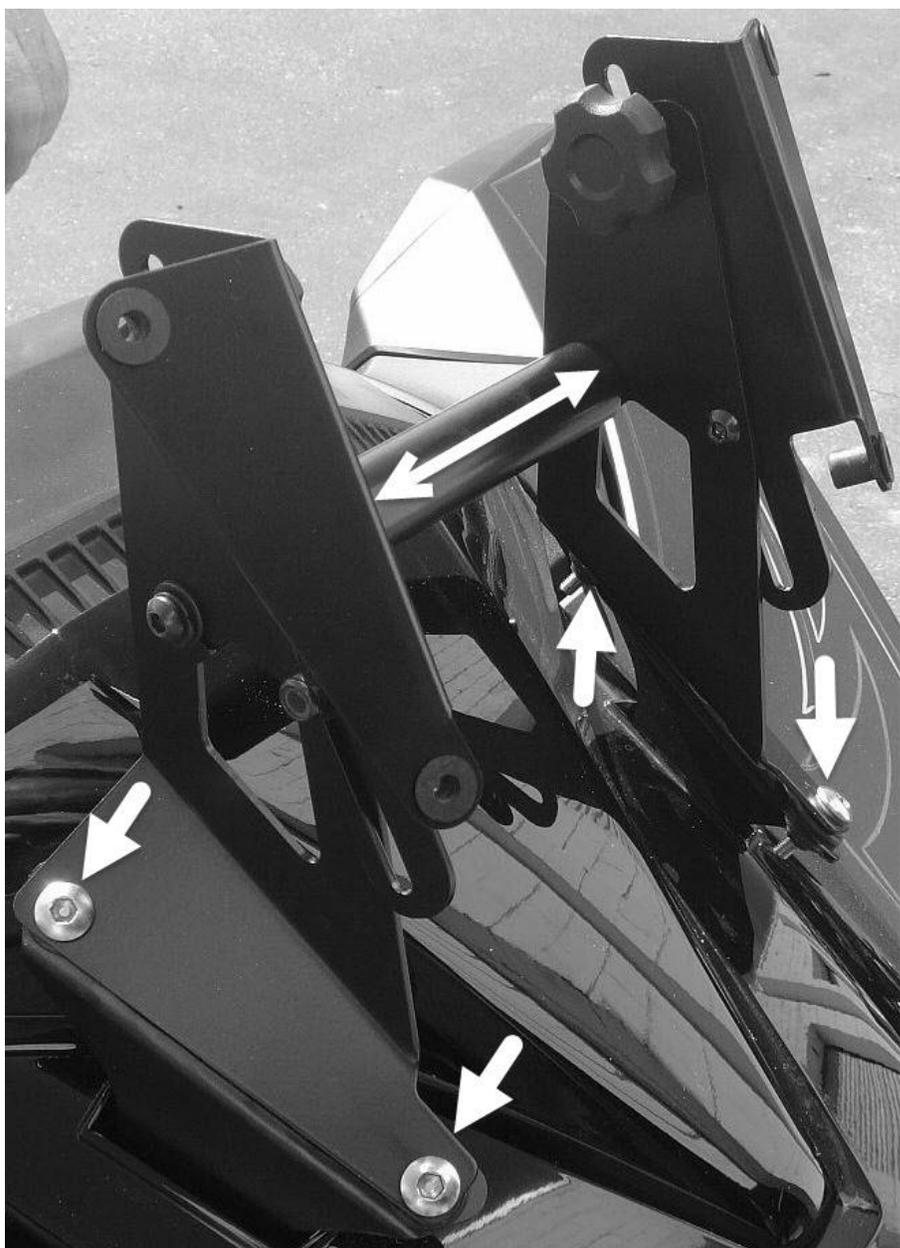
MadStad adjustable brackets are designed to attach directly to the factory windshield mounting brackets. The MadStad windshield then attaches to the front of the brackets with Phillips screws. Loosening the two adjustment knobs allows you to change the windshield height and angle without getting off of the bike, and without any tools.

You will need to remove your factory windshield before attaching our brackets.

## Installation Overview

Your MadStad brackets attach to the factory mounting brackets in one of two ways. As shown below, and you will use the factory windshield screws to attach them directly to the factory brackets. The aluminum crossbar will attach between the brackets as seen at right.

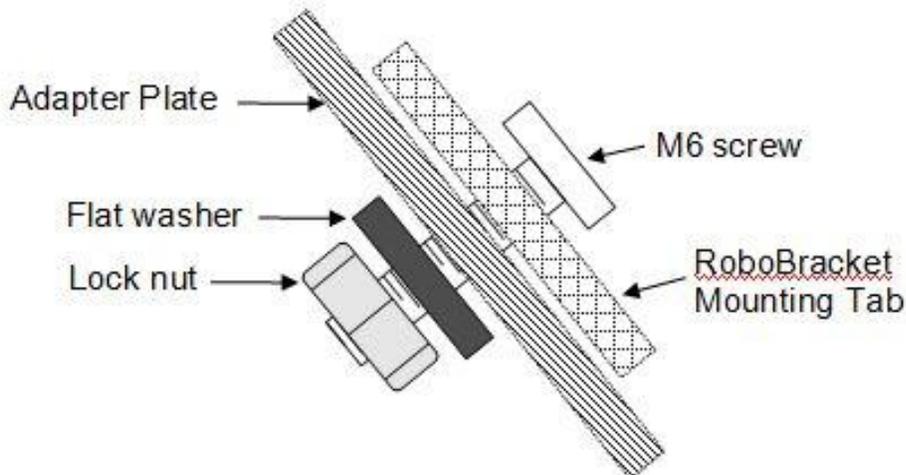
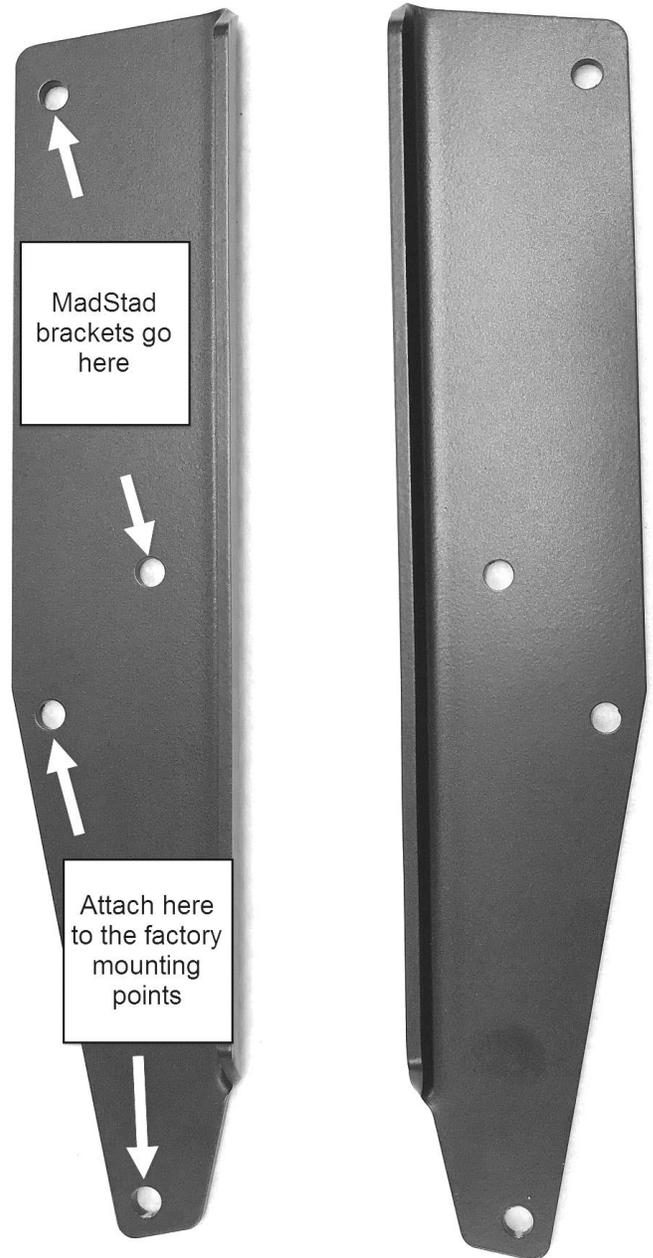
The second mounting option is to use the two extension plates to bring the brackets up and back closer to you. In that case you would first mount our brackets to the extension plates, then attach the extension plates to the factory brackets shown at right.



## Extension Plates

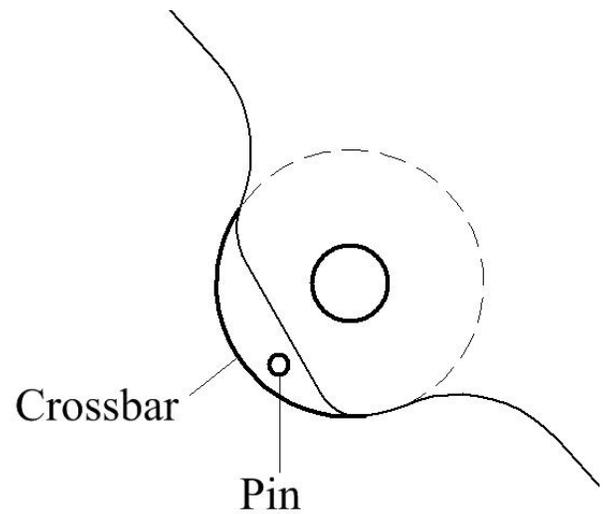
If you are extending our brackets closer to you then you will be using the extension plates seen at right. You will need to flip these brackets over so that the thin bent ridge you see in the photo is facing down, and the ridges should face to the inside, NOT the outside. In other words, they will look just like this on the bike but the bent edges will be on the underside.

Attach the MadStad brackets to the top side of these plates using the upper holes as shown at right. The black adjustment knob on the brackets needs to be on the **INSIDE** as seen in the photo on Page 2. Use the M6 screws through our brackets and the plate, then put a flat washer with M6 lock nut on the underside (see diagram below). Repeat for the other plate then attach the plates to the factory windshield brackets as seen on Page 2.



## Crossbar

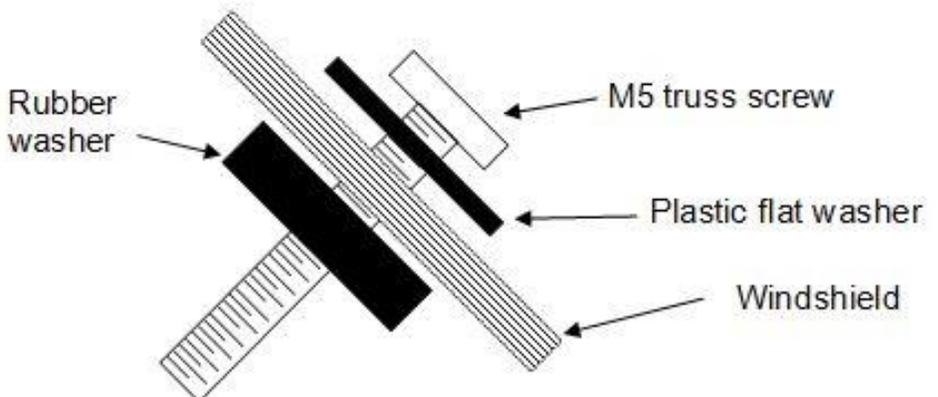
The crossbar you see in the photo on Page 2 gets installed between the two brackets through holes which have a flat edge (see diagram at right). There is a pin on one side of the crossbar that must be placed outside of the brackets and that flat edge to keep it from rotating. It does not matter which side the pin is on; both left and right brackets have the same configuration.



Set the crossbar between the brackets with pin as shown, then use the M6 x 12 screws with split lock washers on them to fasten the bar in on each side.

## Windshield Installation

Once bracket installation is complete, the windshield attaches to the brackets with Phillips screws and rubber washers. Pre-install all four screws and washers into the four windshield holes as shown below before attempting to attach the windshield onto the MadStad brackets. Then lay the shield over the brackets and push in both screws on one side, then push in the screws on the other side. The rubber well nuts are flexible and shield holes are oversized so you can nudge the shield around to align the screws with the holes properly. Tighten all four screws until the shield is snug against the brackets, but do not over tighten. Over tightening can damage the rubber well nuts.



## **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 by setting the spine of the manual against the front of the windshield and set it so the 60 degree arrow is pointing straight up. 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.

## **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. If you tighten the lock nut completely you will not be able to slide the brackets.

## **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 [www.madstad.com](http://www.madstad.com). 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 warranted 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!*

