

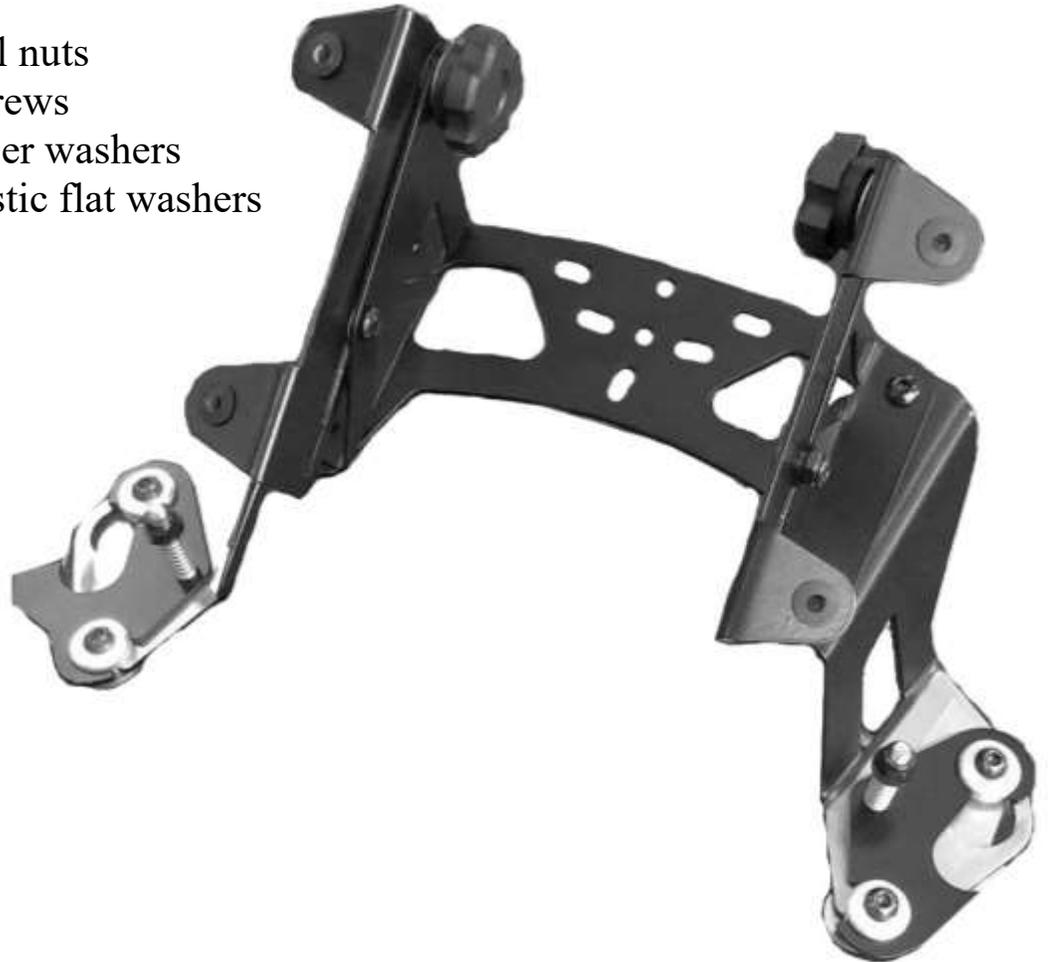
Adjustable Windshield System

Kawasaki Ninja ZX-14R

Please read this entire manual before proceeding with installation.

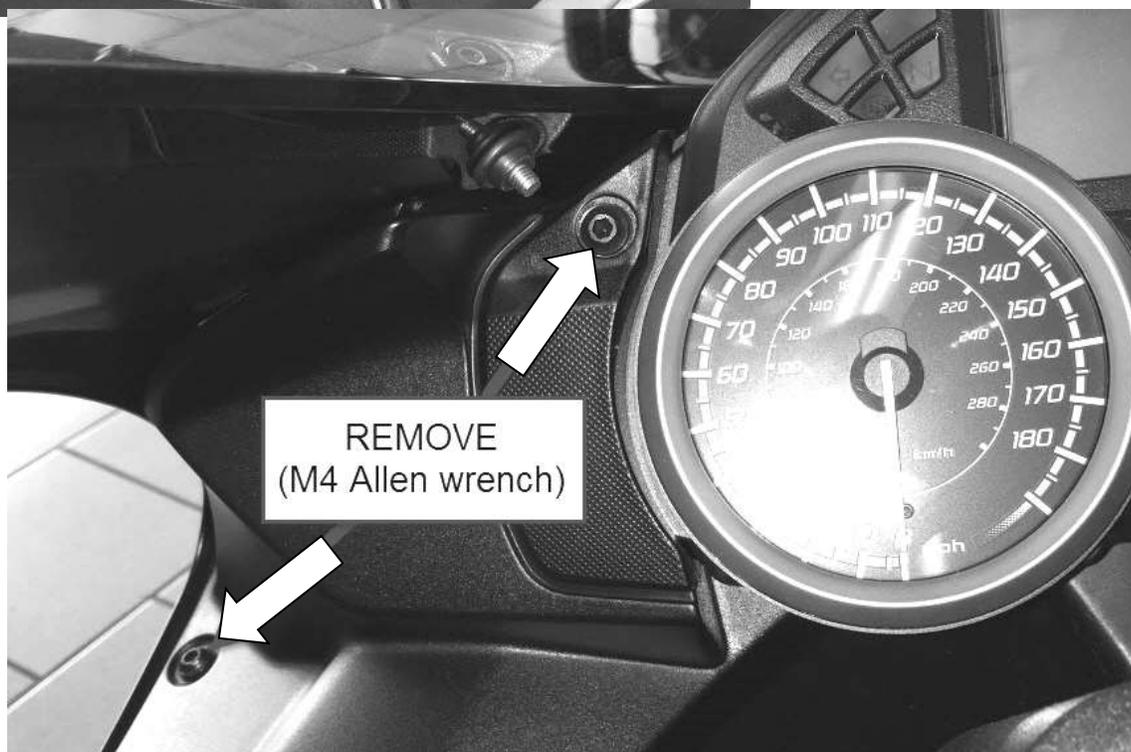
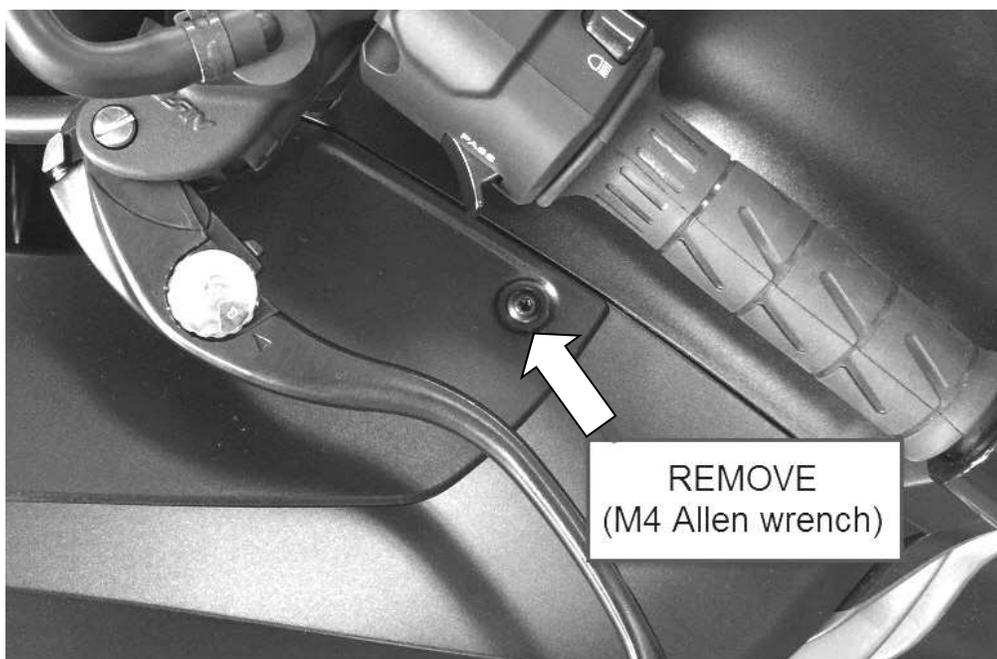
What is in the box:

- (1) Set of preassembled adjustable windshield brackets
- (1) Quick-release base plate
- (2) Mirror-stem brackets with aluminum spools
- (4) M6 x 12 mounting screws
- (4) M6 flat washers
- (4) M6 lock nuts
- (6) M5 rubber well nuts
- (4) M5 Phillips screws
- (4) 1/8" thick rubber washers
- (4) Thin black plastic flat washers



This MadStad adjustable windshield system is designed to give you touring comfort, but has a quick-release system so you can switch back to just the stock windshield anytime. You can leave your factory windshield in place, it will not get in the way of this MadStad system.

STEP 1 - Remove the plastic panels behind your mirrors so that you can get to the mirror mount nuts. Three screws hold each one on, remove as shown below. Each panel has hidden tabs along the outside edge, so pull up gently on the inside edge and wiggle the panel out of its position.



STEP 2 – Remove the two acorn nuts which hold each mirror stem on. (See image at right.) Then pull out the mirror stem, slide the MadStad quick-release tab bracket under the mirror stem and re-attach. See image below for proper tab orientation. Do the same for the mirror stem on the other side.

NOTE: The aluminum spools on the tabs are supposed to be loose. Do not tighten them yet, they will be adjusted in Step 5.

STEP 3 – Re-attach the plastic panels you removed in Step 1.



STEP 4 – Attach the adjustable brackets to the quick-release base plate. Use the four M6 x 12 screws through the brackets and base plate, then fasten with washers and lock nuts on the back side. Knobs should be inward facing each other as seen in the image below.

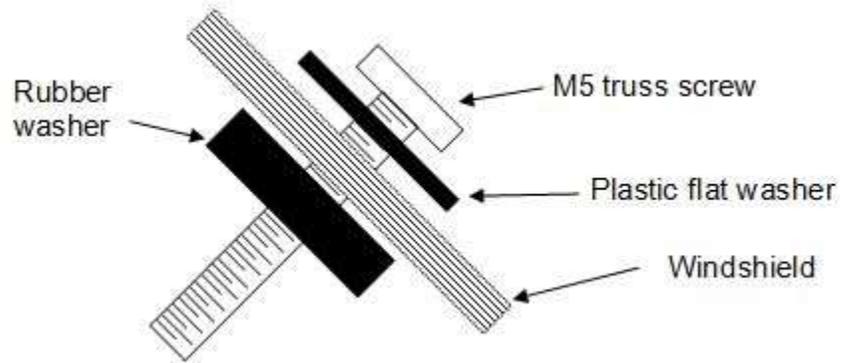


STEP 5 – Fit base to the mirror-stem tabs. This is accomplished by setting the base onto the spools on those tabs, but first you must open up the locking keys as shown at right. Once you have set both sides of the base over the upper spools then slid them down *under* the spools, lift the end of each key and rotate it onto the spools to lock them in (see image above). The spools have now aligned themselves to the keys and slots, so now tighten down the screws and nuts on all four spools. Lift the keys and test the removal/installation of the base plate to make sure it locks in tightly and smoothly.



Windshield Installation

Once the quick-release base adjustment is complete you can attach the windshield to the brackets with Phillips screws and washers as shown at right. Insert all four screws with plastic washers in through the front of the windshield, then slide all four rubber washers onto the back



side of the shield. Align the screws with the rubber well nuts on the brackets and get them all started with a few turns, then go around and tighten them all until snug. **DO NOT OVERTIGHTEN THE TRUSS SCREWS!** The rubber well nuts cannot be pulled up out of the brackets, even if they are not tight, so 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.

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. To make adjustments, loosen the knobs 1 turn to change height, and 2-3 turns to change angle (the knobs need extra room to pop out of the angle adjustment slots). 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. Pull over and make changes as necessary then test again until you find your best airflow position.

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.

The upper pivot hole gives maximum rearward tilt, and the lower pivot hole moves the tilt range 5 degrees forward. The lower pivot hole also brings the shield a bit closer to the bike. If for some reason you wish to adjust the tightness of this pivot screw or move it to an alternate pivot position, use the 4mm Allen wrench provided, along with a 10mm socket or wrench to make the adjustment. 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 be 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 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. 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.

MadStad Engineering, Inc.

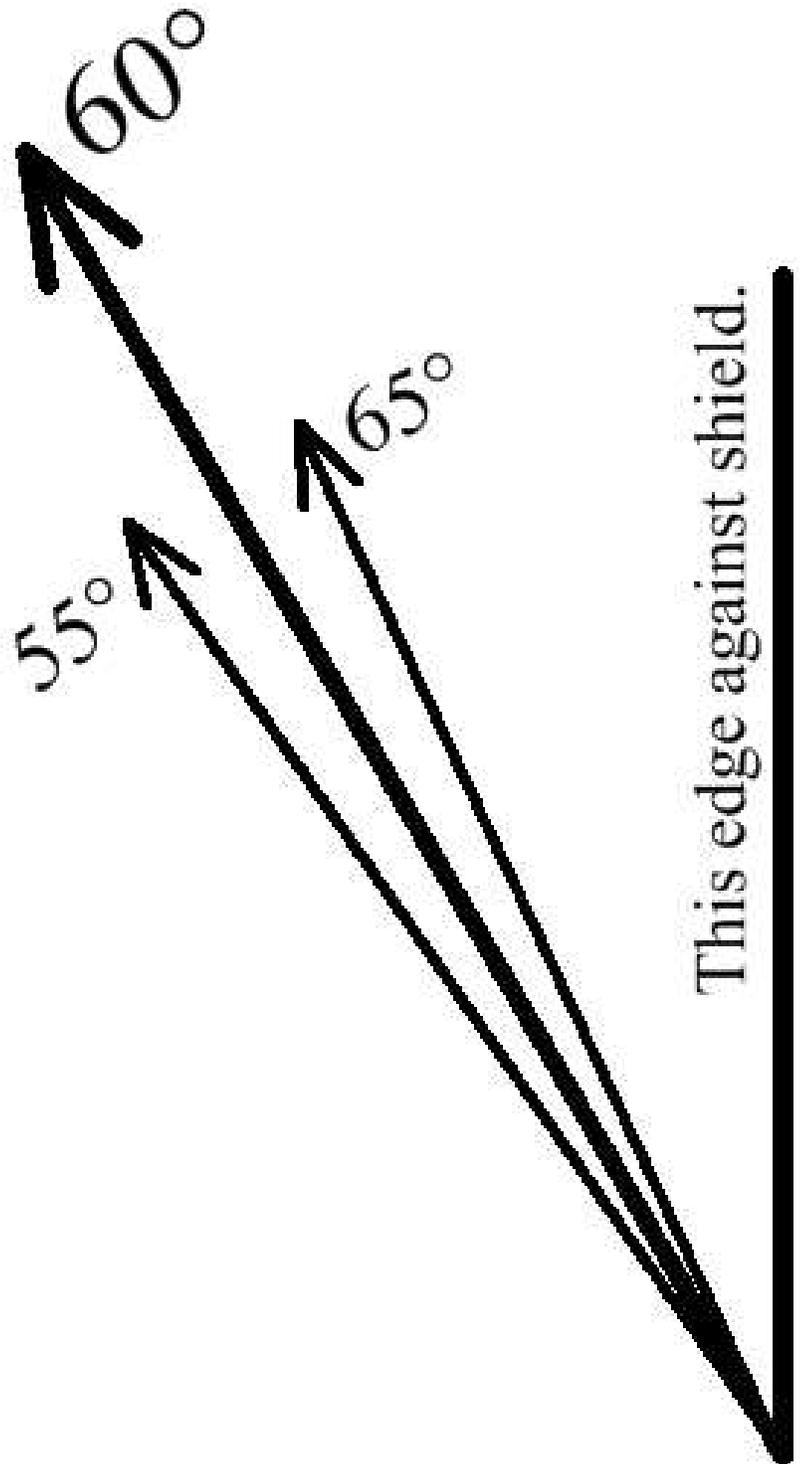
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Thank you for your support, and ride safely!



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