

MADSTAD

BMW R18 (2021-Up)

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

HARDWARE:

- (2) M6 x 12 button screws
- (6) M6 Lock Nuts
- (4) M6 metal flat washers
- (4) M5 x 20 truss screws
- (4) M5 plastic washers
- (4) M5 soft rubber washers

BRACKETS:

- (1) U-shaped support bracket
- (2) Small angle tabs
- (2) Adjustable quick-release bracket assemblies

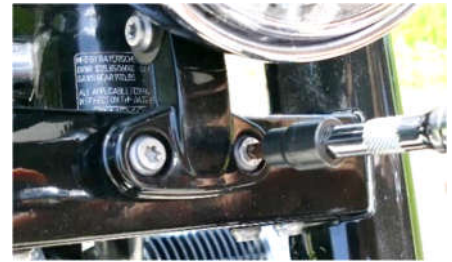
TOOLS NEEDED:

- T40 Torx (star) driver (in a socket if possible)
- T30 Torx (star) driver (screwdriver style)
- M4 Allen wrench
- 10mm open-end wrench
- #2 Phillips screwdriver



1. Headlight removal

A. There are two bolts right below the front of the , use the T40 socket driver to remove them. They may be a bit stiff because the factory put blue thread locker on those bolts. When you remove them, the headlight will likely stay in place because there are two metal sleeves that are also in the screw sockets. To pull the headlight straight out you may need to wiggle it back and forth to slide it off of the sleeves. If a sleeve sticks in the headlight bracket or the fork bracket that's OK, you don't need to remove them.



B. Once you wiggle the headlight housing off, there is a plastic electrical plug on the back side that needs to be pulled out. Press down on the small tab on top of the connector to release the plug. If that tab is hard to depress, use a flat-blade screwdriver to press it down and twist the screwdriver to pop it out, then pull the plug out the rest of the way.



2. Support brace installation

A. Under the instrument pod are two mounting blocks which hold the brake and throttle cables in position (see image below left). Remove the T30 screws that holds them in place.



B. The center of the u-shaped Support Bracket slides under the instrument pod right under the two screws you just removed. The two arms of this bracket will come up on either side of the instrument pod. Install the two T30 factory screws up through the support bracket and back through the factory mounting blocks. It will be easier to first put one screw in only half-way, then put the other screw in and make sure the blocks go back into place like they should and the bracket sits evenly underneath them.

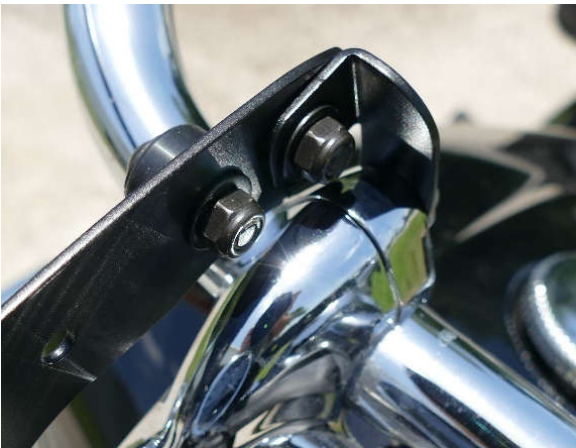


NOTE: Be careful to put the screws back in straight, this will take careful use of the Torx driver. If they don't want to thread in easily then you don't have them in straight. Don't try to force the screws because that could strip or cross-thread the mounting holes. This part is a bit tricky so patience is required to get them in properly.

Once the blocks, screws and support brace are in and seated properly, tighten the Torx screws in place.

2. Handlebar Tab Attachment

A. The two small "L" shaped tabs (brackets) connect the u-shaped support bracket to the handlebar clamp. Remove **ONLY ONE** of the bolts from your handlebar clamp using the T40 socket driver. Slide the L-shaped bracket onto the screw with the smaller tab hole facing down and out, and screw the handlebar clamp bolt back in but leave it slightly loose. The small L-bracket needs to line up with the top hole on the u-shaped bracket. Insert the M6 x 12 button head screw in through the outside of the support bracket, through the tab, then put a flat washer and M6 lock nut on the inside. Tighten those until they are just lightly snug, then finish tightening down the handlebar clamp bolt to factory specifications. Once that is tightened, finish tightening the M6 button screw and nut. Refer to the photos below.



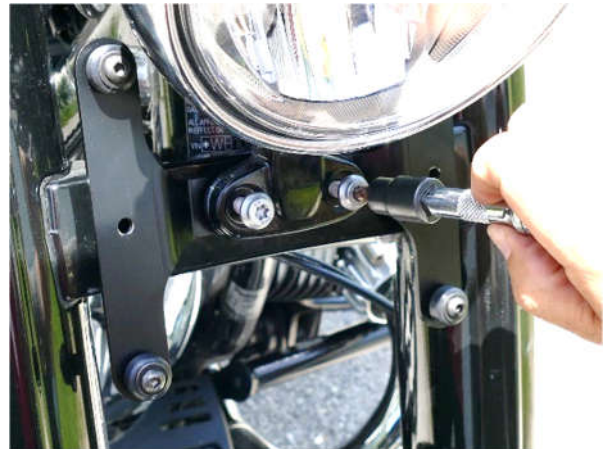
B. Repeat this process with the other handlebar clamp to complete the support brace installation. The finished installation should look like the image at right.



3. Headlight replacement

If you are installing the lowers kit then you will first want to get the lower deflector mounting bracket. It slides attaches behind the headlight, up against the fork behind the headlight bracket.

- A. Grab the headlight and plug the wiring harness back in.
- B. If you are installing the lowers bracket, place that over the headlight mounting holes.
- C. Slide the headlight back over the mounting holes, install the mounting screws and tighten.

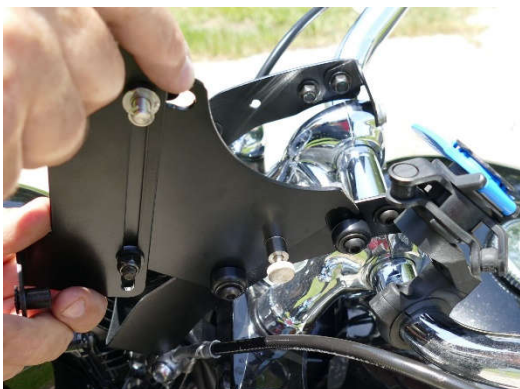


4. Windshield bracket attachment

The adjustable brackets slide onto the plastic side posts on the u-shaped support. They lock in with a spring-loaded plunger so that plunger must be retracted before you can slide the brackets on. Pull the pin all the way out until it stops, then rotate it counter-clockwise and it will lock the pin in the outward position. If it doesn't stay back at first, try it again, sometimes it takes a two or three tries. Do that on both of these brackets.



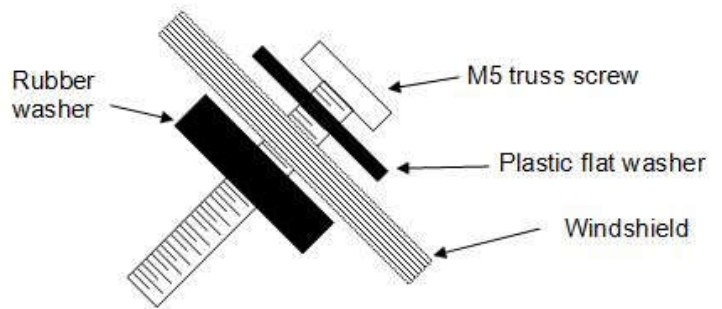
The brackets have two notches on them and those notches slide onto the posts on the support bracket. Slide each one on and make sure both notches are fully seated. You can then release the latch pin by rotating it clockwise until it snaps into the hole on the support bracket. Make sure that the pin is all the way through the fly screen bracket hole because this is what keeps the brackets locked in place. See photos below.



NOTE: If the brackets slide onto the posts but seem a bit loose as they go on, tighten the post mounting screws down a little harder. The plastic spool will compress slightly to provide a more snug fit.

5. Windshield attachment

Once the adjustable brackets are locked in and set evenly, the windshield attaches to them just like the fly screen did, with Phillips screws and plastic flat washers through the front, and rubber washers on the back as shown at right. Pre-install all four screws then attach the windshield onto the MadStad brackets. Use a #2 Phillips hand screwdriver, NOT a power driver which can overtighten and damage the well nuts. Once the screw tip is sticking out the back side of the well nut and the nut has swelled up behind the bracket, the shield should be held snugly.



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.

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 or set the shield at the middle of the bracket angle range.) 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 brackets 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 one or two notches, and/or adjust it up or down if necessary. Re-tighten the knobs and go for another ride. Continue experimenting with different positions you find a combination of height and angle that eliminates buffeting and gives a smoother ride.

NOTE: To open your front storage compartment fully you do NOT need to remove the windshield system. Simply loosen the knobs adjustment knobs 3-4 turns then lift the windshield all the way up and tilt it all the way back. This will give you just enough clearance to open that compartment door.

Quick Release

The windshield comes off with both brackets as one unit and is re-installed the same way. Pull each plunger pin out and rotate it counter-clockwise to lock it in the outward position, then grab the shield by the sides and slide it up and off of the posts. Installing the brackets and windshield back onto the posts will take a little extra care to align the bracket slots with the posts on both sides. Rotate the latch pins clockwise to release them and make sure they have popped through their locking hole in the flyscreen brackets. You can give them a little push if necessary. DO NOT drive the bike if both latches are not fully seated through their holes.

If you have the lower deflectors they slide over their posts in a similar way with keyhole slots in the deflector brackets. Set the large holes of the keyhole slots over the posts, press in towards the fork and slide the bracket down onto the posts. As with the windshield brackets, make sure that the plunger pin locks into its hole in the mounting bracket.

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 website 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 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!