



M14/M1A CASM® “MRD” Installation Instructions

Removing the M14/M1A REAR APERTURE SIGHT

Tools Required A thick [but not too wide] flat blade screw driver.

1. Turn the elevation knob on the left side of the rear sight clockwise to raise the aperture all the way up.
2. On the right side of the rear sight, loosen the split screw in the center of the windage knob by turning counter clockwise. The small windage knob split screw will loosen, but it will stay connected to the body of the windage knob.
3. Unscrew the windage knob from the internal threads holding it to the elevation knob through screw.
4. Remove the elevation knob through-screw.
5. Push up and forward **FIRMLY** on the aperture to free the aperture spring cover from the slot in the rear of the rear sight pocket, and remove the remaining rear sight components
6. Clean the rear sight pocket of any dirt or hardened grease. Automotive brake cleaner and a tooth brush work well for cleaning the rear sight pocket.

M14/M1A CASM® Installation

Tools Required 5/16” Allen Wrench, 6mm Allen Wrench

Note 1: The mount is shipped with the **vertical** tensioning screws installed but not protruding from the mount base. These two tensioning screws cannot be removed from the top of the mount: they are removed from the bottom only). The smaller hood screws are also installed, but not tightened.

Note 2: While some vertical adjustment is designed into the mount, these vertical tensioning screws are not to be used against each other for major elevation adjustments at the mount. If you want to raise the front of the mount to significantly adjust vertical zero, then ensure that you loosen the rear elevation screw first, creating sufficient clearance for rotation.

Note 3: Do not turn the front vertical adjustment screw in any tighter than 1/4 turn after initial contact. These massive screws have tremendous power so use caution.

Note 4: Blue Loctite® is provided for extreme/heavy duty use, for the ultimate in security and for semi permanent installations,. Screws installed with blue Loctite® are still removable with normal hand tools: no heat is required.

Installation:

After carefully cleaning any grease or dirt from the M14 receiver rear sight pocket, try the “MRD” mount base for fit inside the rear sight ears of your M1A/M14 rifle. The mount is CNC machined to close tolerances to fit all Chinese and genuine USGI M14 receivers, however, some commercially manufactured M14/M1A receivers may have variations.

1.] Remove the MRD Hood from the MRD Base and set the Hood aside. The MRD Base should fit easily between the rear sight ears, with a few thousandth of an inch as clearance. In the unlikely event that the mount is too wide to fit easily between your receiver rear sight ears, carefully remove a small amount of material from the right side of the mount only. Apply blue Loctite® to the **left** side mounting screw and install through the **left** rear sight ear and into the MRD Base. Torque the left side mounting screw as tight as you can get it comfortably with a hand held allen wrench . The fit of the left side of the scope mount to the inside of the rear sight pocket is critical to proper horizontal alignment of the mount with the bore. The side mounting screws are tapered, and sized to be self centering and self aligning within the rear sight ear holes. To prevent loosening under recoil and to lock this screw for maximum security, and a semi-permanent installation, we provide a locking set screw (add a small amount of blue Loctite® to it and tighten).

2.] Apply blue Loctite® to the **right** side mounting screw and install through the **right** rear sight ear and into the MRD Base. Torque this as tight as you can get it comfortably with a hand held allen wrench . The right sight ear will compress inwards slightly to fit snugly against the right side of the mount. To prevent loosening under recoil and to lock this screw for maximum security, and a semi-permanent installation, we provide a locking set screw (add a small amount of blue Loctite® to it and fasten).

3.] Apply blue Loctite® and tighten the **rear** vertical adjustment screw until you contact the receiver, then apply 1/8 of a turn with a hand held allen wrench. The **rear** elevation screw will raise the rear of the mount slightly.

4.] Apply blue Loctite® and tighten the front vertical adjustment screw until you contact the receiver, then apply 1/8 of a turn with a hand held allen wrench.

5.] Install the MRD Hood on the MRD Base. Apply blue Loctite® to the four vertical screws and tighten. The MRD Hood and Base are now ready for the JPOINT.

6.] Apply blue Loctite® to two vertical screws and tighten your JPOINT red dot to the MRD Hood and Base. You will be able to make adjustments to the JPOINT via the side hole and from the top of the JPOINT.