

Mounting of GDI G1-Optical Sight Mount(OSM) w/ACOG to the M14/M1A

Note: Remove the stripper clip guide from the receiver prior to installing the G1-OSM. This is accomplished by removing the receiver from the stock, and gently tapping out the spring pin from inside the receiver. Do not push pin into receiver due to possible burrs. To avoid damaging the receiver, care should be taken to not use excessive force when removing spring pin and stripper clip guide.

1. Clean the dovetail slot area and side index groove of the receiver to prevent interference with proper G1 alignment.
2. Ensure the underside of the Pressure Hex is recessed into the bottom of the G1 (Factory position). If not -
 - a) Loosen Pressure Hex Locking Set Screw. Do not remove.
 - b) Turn the Pressure Hex counterclockwise until the underside is slightly recessed into the G1 body.
3. Loosen the Dove Claw Locking Screws to allow the Dove Claw to hang freely from the G1. Do Not Remove.

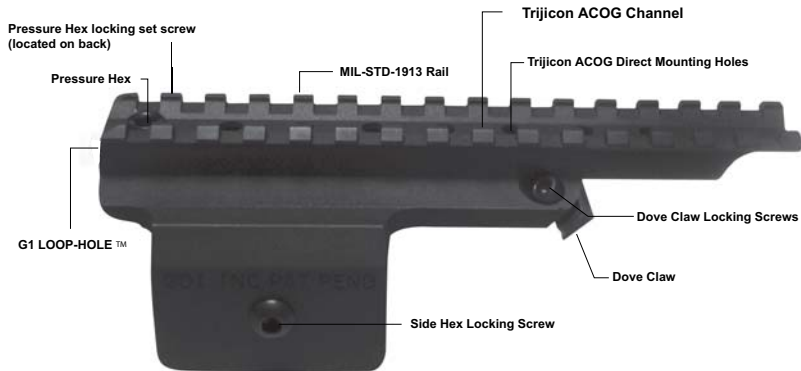
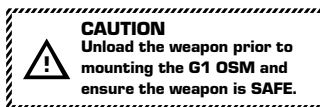
4. Mount the Trijicon ACOG to the G1 using the original ACOG mounting screws. For proper eye relief, align the ACOG with the rearward most ACOG Direct Mounting Hole. Insert ACOG mounting screws into the ACOG through the counter-sunk holes located on the bottom side of the G1. Secure both screws as tight as possible without stripping the hex interface or threads. Note: Use Loctite Thread Locker #242 (blue).

5. From the left side of the receiver, align the Dove Claw within the Dove Tail Slot on the receiver and slide the G1 into the receiver body - thus allowing the Dove Claw to mate within the Dove Tail Slot. Note: Dove Claw locking screws remain loose at this point.

6. Align the Side Hex Locking Screw of the G1, with the side mounting hole of the receiver, and manually thread it into the receiver hand tight. Do not tighten beyond this point. Note: Ensure that the threaded hole in the receiver is clean and undamaged. After cleaning w/solvent and brush, utilize a special 12-32 UNEF (Extra Fine) tap to chase threads if needed.

7. While applying pressure to the G1 against the side of the receiver, ensure that the horizontal index key on the inside surface of the G1, beds itself into the receiver groove.

8. Slide mount rearward (away from barrel) until the G1 mount contacts the angled face of the dovetail slot of the receiver. While ensuring that the index key remains inside the receiver groove, and rearward pressure is applied to maintain contact between the G1 and the angled face of the receiver, tighten the Side Hex Locking Screw 1/16th turn past hand tight w/supplied Allen tool - Do not tighten past this point.



*** Note: To maximize sight-in zero retention if removed, re-install the mount consistently.**

Note: Use Loctite Thread Locker #242 (blue).

9. Begin to tighten the Dove Claw Locking Screws. Once slight resistance is met with the first screw, stop and begin to tighten the opposite screw until slight resistance is met. Alternate back and forth until both screws attain moderate resistance and have reached torque specs - Note: This is an important part of the installation sequence to ensure a solid interfacing between the mount and the angled face of the receiver. Note: Use Loctite Thread Locker #242 (blue).

10. Tighten the Side Hex Locking Screw to torque specs.

11. Utilizing the supplied alignment pin, insert tool approx. 1" into front LOOP-HOLE opening of the G1. If unable to insert pin, turn Pressure Hex one 1/2 turn w/ Allen tool to allow for pin entry. Hold alignment pin centered, and tighten the Pressure Hex until light contact resistance is met w/receiver body. STOP - Do not tighten beyond this point.

12. Tighten Pressure Hex Locking Set Screw until light resistance is met. Note: Use Loctite Thread Locker #242 (blue).
***Installation is now complete.**

Note: Re-torque Side Hex Locking Screw and Dove Claw Screws after initial 5 rounds of ammunition have been fired. This compensates for any adjustments and settling of the mount and optics.

Note: To maximize sight-in zero retention if removed, re-install the mount consistently.

Manufactures Specs:

Material - 17-4PH Stainless Steel
Finish - Mil-Spec/+ Matte Black

Torque Specs:

Dove Claw locking screw · 45 inlbs.
Side Hex locking screw · 55 inlbs.
Pressure Hex · Light resistance
Pressure Hex locking set screw · Light resistance

Tools:

9/64" - 8/32 Dove Claw
3/16" - 3/8-24 Pressure Hex
9/64" - 12-32 Side Hex
3/32" - 10-32 Set Screw
3/16" - LOOP-HOLE™ Alignment Pin



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(PATENT PENDING)