

Apex MRAT Instructions – Clamp Style

Tools Needed:

- Safety Glasses or other suitable eye protection (Not included)
- IP10 Driver (Included with MRAT)
- ¼" Magnetic Driver handle suitable for driving a standard ¼" hex driver bit.

MRAT Installation:

1. Unload the pistol and remove all ammunition from the work area.
2. Wear Safety Glasses or some form of eye protection.
3. Prep the MRAT by starting the pair of 5-40 screws into the holes on the top of the MRAT. Screw them in clockwise until the head of the screw makes contact with the flat in the bottom of the screw recess, then back the screws off 1 turn.
 - a. There are 2 holes, one on either side of the MRAT that the screws thread in to.
4. Field strip the pistol following the manufacturer's guidelines.
5. Remove the Factory recoil assembly and set it aside.
 - a. The Apex provided Guide Rod Assembly will be installed at the end.
6. With the barrel in the slide, lower the chamber end of the barrel and slide it forward so the muzzle end of the barrel sticks out the end of the slide further than when it's installed onto the frame.
7. Thread the MRAT onto the barrel all the way until it stops, do not over tighten.
 - a. The MRAT will likely be misaligned with the slide at this point, and that is expected.
 - b. **DO NOT USE THREAD LOCKING COMPOUND ON THE MRAT OR THE SCREWS.**
8. Back the MRAT off until the top flat of the MRAT lines up with the top of the slide.
9. Grab the chamber or locking lug section of the barrel and bring it rearward so the barrel hood makes contact with the breech face and presses up into the "In Battery" position.
 - a. The MRAT is likely to come in contact with the slide before the barrel hood makes contact with the breech face.
 - b. If the barrel goes into the "In Battery" position, Skip step 10 and move on to step 11.

10. Press the barrel forward, unscrew the MRAT 1 full turn so the MRAT top aligns with the top of the slide and repeat step 9.
 - a. Repeat this step until the barrel hood contacts the breech face and is able to be pressed up into the “In Battery” position.
11. Using the provided IP10 driver, gently tighten the two (2) clamping screws on top of the MRAT until the MRAT resists rotating on the barrel.
 - a. Do not clamp it down at this point, you’re adding tension to the threads to slow rotation and make the MRAT stay in place temporarily.
12. Turn the slide over and check the alignment of the slide Spring Box with the MRAT Spring Box on the bottom. You may need to rotate the MRAT a bit so the spring boxes line up.
 - a. The MRAT Spring box is designed to be smaller than the spring box on the slide, this is to allow for frame clearance.
13. With the barrel in the “In Battery” position, visually check that the MRAT ***IS NOT*** contacting the slide.
 - a. If the MRAT is contacting the slide at any point, return to step 10 and continue.
 - b. The goal is to prevent the slide from ever contacting the MRAT. If the barrel and MRAT come in contact under live fire, the barrel is likely to fracture.
14. Once alignment has been confirmed, gradually torque the top clamping screws a little at a time each, until 25 in-lb is reached on both screws.
 - a. We recommend a Dedicated 25 in-lb Fix-It-Stick for torque limiting.
15. Once the screws have been torqued to spec, make sure the barrel is in the “In Battery” position and do a visual re-inspection to ensure that the MRAT does not contact the slide in any position.
16. Install the Apex provided Guide Rod Assembly and reassemble the pistol

MRAT Removal:

The Clamp Style MRATs are designed to be easily removed and reinstalled for cleaning and/or suppressor use. To remove your MRAT, follow these steps.

1. Unload the pistol and remove all ammunition from the work area.
2. Wear Safety Glasses or some form of eye protection.
3. Using the included IP10 driver, loosen the two (2) clamping screws on the MRAT by approximately ½ turn.
4. Unscrew the MRAT from the barrel
5. Reinstall using the install instructions listed in the “MRAT Installation”