MIKE-15/102 Gen 2 Picatinny Rail Adapter Installation Instructions

HOW-TO VIDEO AVAILABLE AT WWW.FM-PRODUCTS.COM

The MIKE-15/102 Gen 2 upper receiver's captured recoil system requires the use of one of our stock or picatinny rail adapters, which features an integrated recoil buffer as part of the threaded adapter.

Use of the MIKE-15/102 Gen 2 Upper receiver without one of our threaded buffer adapters will damage the upper receiver, bolt carrier assembly, & lower receiver, and may void the warranty.

Please contact us at info@FM-Products.com with any questions or concerns.
FM Products answers customer service emails 7 days a week.

WARNING: Always wear eye protection when working with firearms. Components under spring pressure could potentially cause eye injury.

WARNING: Always ensure the magazine is removed from your firearm and confirm your firearm is unloaded before beginning.

WARNING: As a firearm owner, it is your job to know and comply with the local, state and federal laws regarding firearms ownership. Please check with your local authorities for current laws and regulations in your locality.

INCLUDED COMPONENTS:	REQUIRED TOOLS:
Picatinny Rail Adapter	3/8" Drive Ratchet Handle with Extension
Threaded Buffer Adapter	
#6-32 Set Screw	SUGGESTED TOOLS:
1/16" Hex Key	Magwell Vise Block
Plastic Shim	Bench Vise
Rubber Band	All Purpose Grease
Mil-Spec Buffer Retainer	
Buffer Retainer Spring	

FULLY READ THESE INSTRUCTIONS BEFORE BEGINNING SO YOU UNDERSTAND HOW ALL OF THE PARTS WORK TOGETHER.

INSTALLATION STEPS:

1. We suggest securing your lower receiver in a bench vise using a magwell vise block.
2. Begin with the takedown pin* and takedown pin detent* installed in the lower receiver. We suggest greasing these parts before installation. Set the takedown pin detent spring* aside. (*parts not included)
3. If the #6-32 set screw is in the picatinny rail adapter then remove it using the 1/16" hex key and set it aside.

THERE ARE BOTH RIGHT HANDED THREADS (BIG END) AND LEFT HANDED THREADS (SMALL END) ON THE THREADED BUFFER ADAPTER.

BE CAREFUL NOT TO CROSS THREAD THE PLASTIC THREADS WHEN STARTING IT INTO THE LOWER RECEIVER (RIGHT HANDED) OR PICATINNY RAIL ADAPTER (LEFT HANDED).

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ALWAYS START BY HAND AND DO NOT FORCE IT. THE ADAPTER SHOULD ROTATE FREELY.

DO NOT USE THREAD LOCKER ON THE THREADED BUFFER ADAPTER. IT IS MECHANICALLY LOCKED INTO PLACE BY THE BUFFER RETAINER.

4. Begin threading in the threaded buffer adapter into the lower receiver with the smaller threads facing rearward and the sprocket shape facing forward. Stop when only one complete revolution of the larger threads remains sticking out past the rear face of the lower receiver.
5. Install the buffer retainer and spring into the lower receiver. Use the plastic shim under the sprocket shape of the threaded buffer adapter to hold down the buffer retainer. Secure the shim in place using the rubber band around the pistol grip.
6. Install an extension onto the 3/8" drive ratchet handle. Set the ratchet to spin counter clockwise (lefty loosey), and insert the end of the extension into the square opening on the front of the threaded buffer adapter.
7. Use a counter clockwise motion (lefty loosey) to start the picatinny rail adapter onto the smaller threads of the threaded buffer adapter. You only need one complete revolution, just get it started and stop. Remember, the threaded hole in the picatinny rail adapter and the small end of the threaded buffer are both **LEFT HAND THREADS.**
8. Use your free hand to hold the picatinny rail adapter in alignment with the lower receiver, and begin spinning the ratchet handle counter clockwise. This should draw these two parts together. Ensure that the buffer retainer is being held down and out of the way by the plastic shim. Continue tightening the threaded buffer adapter until the picatinny rail adapter is snug against the back of the lower receiver. **DO NOT OVERTIGHTEN.**
9. If the threaded buffer adapter bottoms out inside of the picatinny rail adapter, leaving a gap between the picatinny rail adapter and the back of the lower receiver, you will need to reverse the direction of the ratchet to clockwise (righty tighty), and separate the two pieces just far enough to be able to spin the picatinny rail adapter on the threaded buffer adapter by one revolution counter clockwise, which will back it off from the lower receiver. Repeat from step 8, ensuring that no gap remains between the picatinny rail adapter and the rear of the lower receiver.
10. The sprocket shape of the threaded buffer adapter should protrude past the forward face of the upper receiver, **THIS IS NORMAL AND NECESSARY**, it allows the MIKE-15 Gen 2 carrier to come to a stop without damaging your lower receiver. **NEVER MODIFY THE THREADED BUFFER ADAPTER TO WORK WITH OTHER UPPER RECEIVERS.**
11. With the picatinny rail adapter snug against the rear of the lower receiver, pull the plastic shim out, allowing the buffer retainer to come up and engage with the sprocket shape of the threaded buffer adapter.
12. If the buffer detent does not align with one of the grooves in the sprocket shape then use the ratchet handle to carefully tighten the threaded buffer adapter counter clockwise (lefty loosey) until the next groove lines up and the buffer retainer snaps into place, mechanically locking it in.
13. If the sprocket shape is too far rearward to lock in with the mil-spec buffer retainer then you will need to reinsert the plastic shim, reverse the direction of the ratchet to spin clockwise (righty tighty), and separate the two pieces just far enough to be able to spin the picatinny rail adapter on the threaded buffer adapter by one revolution clockwise, which will bring it towards the lower receiver. Repeat from step 8, ensuring that the buffer retainer engages with the sprocket groove.
14. Insert the takedown pin detent spring into the lower receiver through the hole at the rear of the picatinny rail adapter. Thread in the #6-32 set screw and tighten until it’s snug against the rear of the lower receiver.
15. Rotate your takedown pin to confirm the detent is engaged in the slot BEFORE function testing.
16. If you ever have to remove your picatinny rail adapter you will need to depress the buffer retainer with a pick or small screwdriver and hold it down with the plastic shim, before attempting to unthread the threaded buffer adapter with the ratchet and extension.