



## MODEL 4/15

# M-LOK™ SUPER SLIM FREE FLOAT RAIL SYSTEM

- Proudly Designed and Made in **USA**
- M-LOK™ Super Slim Free Floating Handguard with Proprietary Barrel Nut Design
- Super Lightweight with Picatinny Top Rail, Flush Fitting, and Continuous with Flat Top AR15 Upper Receiver Providing Ample Real Estate for Optics and Other Accessories
- Features M-LOK™ Slot Tracks for Mounting Rails and Direct Accessories, Easily Tailoring the Rifle to the User's Specific Requirements
- Includes 2 M-LOK™ Accessories, an 8-Slot Picatinny Rail Section for Accessory Mounting and a QD Sling Swivel Adaptor for Sling Swivel Attachment, Ready for Use Right Out of the Box
- Features Integral Anti-rotation Tabs for Accurate Alignment with the Upper Receiver while Completely Preventing the Handguard From Rotating Under Heavy Use
- Ergonomic Octagonal Profile with Grooved Surface for a Solid, yet Comfortable, Grip for Fast and Seamless Firearm Handling
- Scaloped Top Picatinny Rail Edges for Easy and Snag Free Accessory Mounting
- Precision Machined from 6061-T6 Aircraft Grade Aluminum with Matte Black Hard Coat Anodize
- Simple and User Friendly Installation with Included Easy to Follow Instructions, Barrel Nut Wrench, and Additional Installation Tools and Accessories
- Designed to Fit with Standard Gas Tube and Barrel Diameter Not Exceeding 1"; Not Compatible with Piston System, Redesigned, or Oversized Upper Receivers



MODEL 4/15

M-LOK™ SUPER SLIM FREE FLOAT RAIL SYSTEM

**Item No.:**

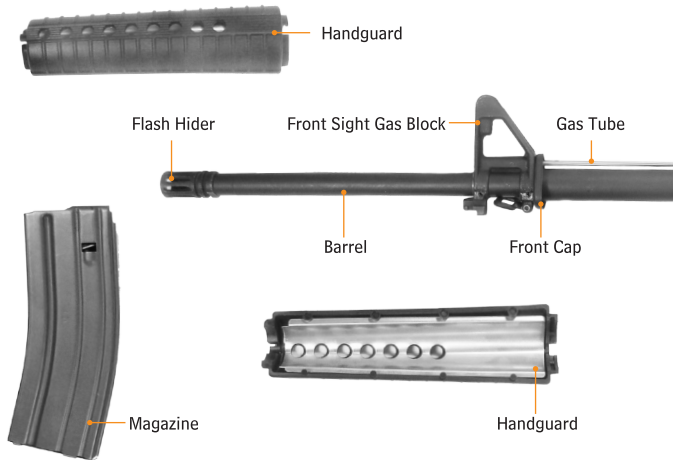
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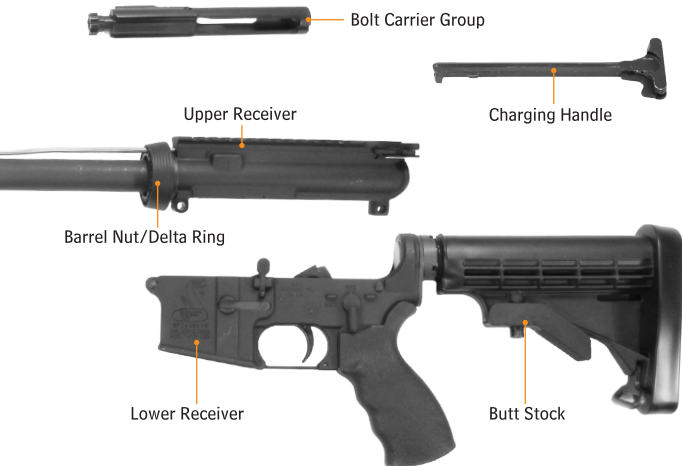
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& All Color Variants

# MODEL 4/15 RIFLE



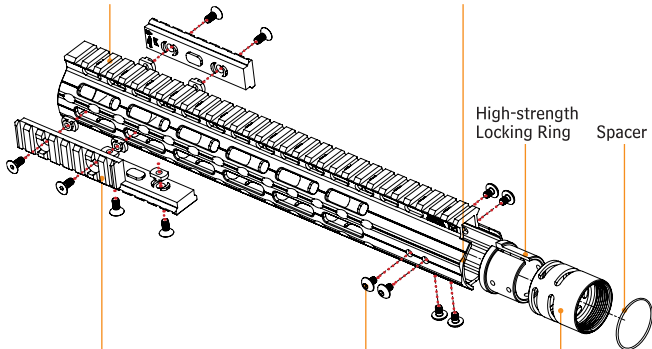
## COMPONENT REFERENCE



## UTG PRO INNOVATIVE FREE FLOATING DESIGN (US PAT. 8806792)

M-LOK™ Super Slim  
Free Floating Handguard

Integral Anti-rotation Tabs for Accurate  
Alignment with Upper Receiver



High-strength  
Locking Ring

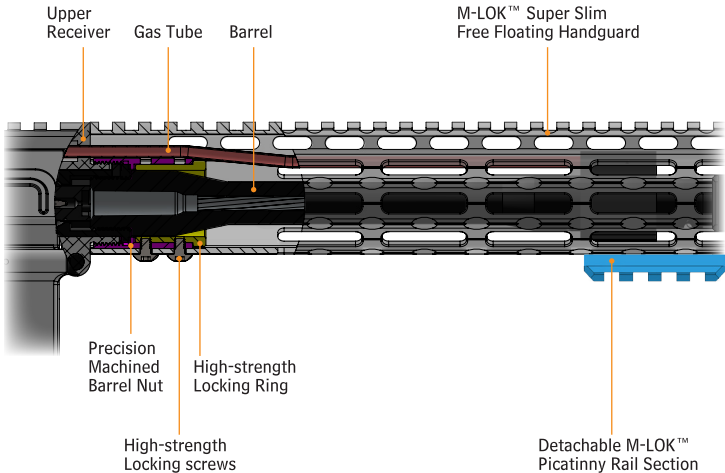
Spacer

Detachable M-LOK™  
Picatinny Rail Section

High-strength  
Locking Screws

Precision Machined  
Barrel Nut

## AFTER INSTALLATION



## MODEL 4/15 RIFLE LENGTH APPLICATION

- 42 M-LOK™ Slots with 31-Slot Top Picatinny Rail, Complete with One 8-Slot M-LOK™ Detachable Picatinny Rail Section with Continuous Rail Edge Design and One QD Sling Swivel Adaptor for Sling Swivel Attachment
- Accommodates Low Profile Gas Block

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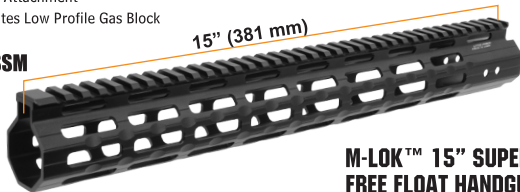


**M-LOK™ 13" SUPER SLIM  
FREE FLOAT HANDGUARD**

## MODEL 4/15 EXTENDED RIFLE LENGTH APPLICATION

- 56 M-LOK™ Slots with 37-Slot Top Picatinny Rail, Complete with One 8-Slot M-LOK™ Detachable Picatinny Rail Section with Continuous Rail Edge Design and One QD Sling Swivel Adaptor for Sling Swivel Attachment
- Accommodates Low Profile Gas Block

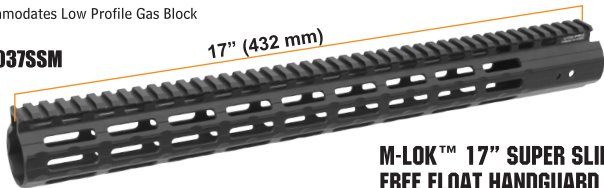
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**M-LOK™ 15" SUPER SLIM  
FREE FLOAT HANDGUARD**

- 63 M-LOK™ Slots with 43-Slot Top Picatinny Rail, Complete with One 8-Slot M-LOK™ Detachable Picatinny Rail Section with Continuous Rail Edge Design and One QD Sling Swivel Adaptor for Sling Swivel Attachment
- Accommodates Low Profile Gas Block

**MTU037SSM**



**M-LOK™ 17" SUPER SLIM  
FREE FLOAT HANDGUARD**



## MODEL 4/15 SUPER SLIM FREE FLOAT RAIL SYSTEM INSTALLATION GUIDE



1. M-LOK™ Super Slim Free Float Handguard
2. Barrel Nut
3. Locking Ring
4. Barrel Nut Wrench
5. 3mm Allen Wrench
6. 3/32" Allen Wrench
7. Spacer-4pcs
8. M-LOK™ Sling Swivel Adaptor
9. 8-Slot Picatinny Rail Section (.37" Saddle Height)
10. Barrel Nut Locking Screw-7pcs



Set up a comfortable working environment. Lay out the rifle, Handguard, and all the included parts and tools. For proper installation of this product, you also need to prepare the following necessary tools: AR15 combo wrench, AR15 handguard removal tool, hammer, punch, AR15 upper receiver vise block, and a vise.

**Caution:** Make sure firearm is not loaded. Remove magazine and examine chamber. Use safe handling procedures at all times.



Remove the original plastic handguard using the handguard removal tool.



Remove the lower receiver, bolt carrier group, and charging handle (3.1).

**Note:** Barrel Direction: ←Barrel (Pointing Left) or Barrel→ (Pointing Right)



4 Remove the flash hider by turning it counterclockwise with an AR15 combo wrench.



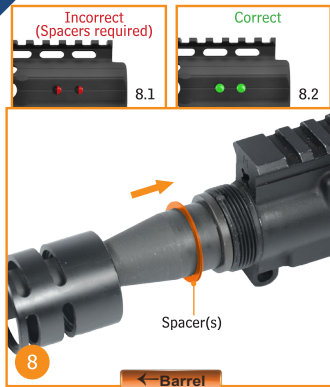
5 Securely place the barrel on a well padded flat surface. Using a hammer and punch, tap out the two pins at the bottom of the front sight/gas block. Remove the front sight/gas block, the gas tube, and front handguard cap (5.1).



Clamp the upper receiver on a vise with an AR15 upper receiver vise block. Loosen the barrel nut by turning it counterclockwise with an AR15 barrel nut wrench. Remove the original barrel nut and delta ring assembly.

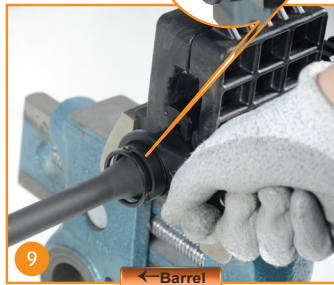


Carefully read the yellow warning sticker on the Barrel Nut regarding which correct slot to use for installation before removing the sticker. Thread the free floating Barrel Nut on the upper receiver and hand tighten. To test alignment, slide the handguard over the barrel and Barrel Nut. Ensure the threaded holes on the handguard align with the slots on the Barrel Nut (8.1-8.2). If the alignment is correct then move to step 9.



If you cannot achieve the proper alignment (8.1), use included Spacer(s) to achieve the proper alignment of the threaded holes on the handguard with the slots on the Barrel Nut (8.2).

**Note:** This step is very rarely needed.

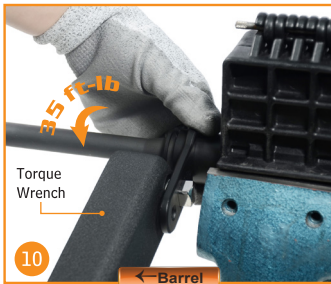


Place the Barrel Nut Wrench in the second slot (9.1) on the Barrel Nut (closest to the receiver).

**Note:** Never use the first slot to tighten.

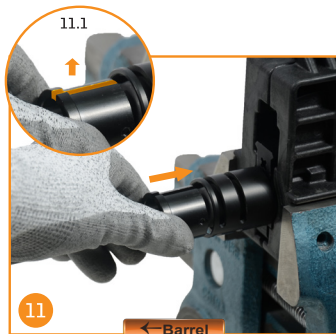
**Warning:** Step 9-10 need to be done gently. DO NOT tighten aggressively. Apply a smooth, steady pressure to fully secure the Barrel Nut. The teeth of the wrench must be FULLY SEATED into the 2nd slot on the Barrel Nut each time you release and apply pressure again.

**Warning:** Max. torque value for installing Barrel Nut should not exceed 60 ft-lb.



Use the Barrel Nut Wrench to securely tighten the Barrel Nut with enough tension (35 ft-lb).

**Note:** We recommend using a torque wrench to achieve proper tension.



Slide the Locking Ring into the Barrel Nut, making sure the alignment slot on the Locking Ring (11.1) is vertical and facing upward.

Incorrect



Correct



**Caution:** Installation of a low profile gas block must occur before locking the Handguard to the Barrel Nut.



Make sure none of the 6 threaded screw holes on the Locking Ring are blocked by the Barrel Nut.

**Note:** If necessary, refer to step 8 to install a spacer or tighten the barrel nut a little further to allow access to the 6 screw holes.

Make sure not to exceed 60 ft-lb of torque.



Carefully slide the handguard over the Barrel Nut/Locking Ring assembly. Make sure there is a positive connection between the top rail of the handguard and the top rail of the receiver (there should be NO gap here). If you lose the alignment of the Locking Ring, use your Allen wrench to realign the threaded holes (13.1).

**Caution:** Always make sure your muzzle device clears the end of the handguard closest to the muzzle.



Once you achieve the proper alignment of the threaded holes on the Locking Ring to those on the handguard rail, use the 3mm Allen Wrench and 6 of the Locking Screws to securely lock the handguard to the Barrel Nut/Locking Ring assembly.

- Apply (25 in-lb) torque to secure screws
- 6 Screws: 2-left, 2-right, 2-bottom

**Note:** If desired, apply a small amount of locking compound to the screws prior to tightening.

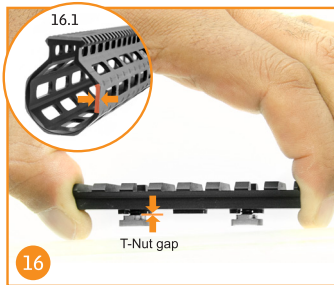
Previously removed components, such as muzzle devices, can now be reinstalled.

**Note:** A standard AR style front sight post may no longer be applicable. It is highly recommended to use a low profile gas block with any free float rail installation. Installation of a low profile gas block must occur before step 13.

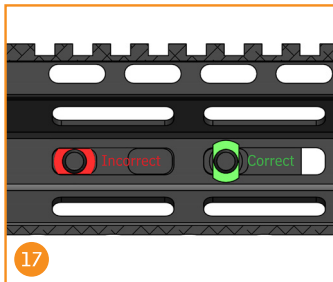


## ATTACHING M-LOK™ PICATINNY RAIL SECTION

To install your detachable M-LOK™ Picatinny rail section or other M-LOK™ accessories, please refer to the following steps.

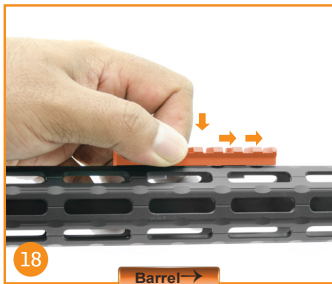


In order to properly secure a rail section or other M-LOK™ accessory on your rail system, the T-Nut gap (16) must be slightly larger than the rail thickness (16.1). Either measure the rail thickness or use the edge of the rail as a gauge.



If the T-Nuts are spaced with too much gap they will rotate freely when trying to tighten. Alternately, if the T-Nuts are not spaced with enough gap they will not rotate at all. Observe the T-Nut during the installation process to be certain that they have rotated to their correct position as shown.

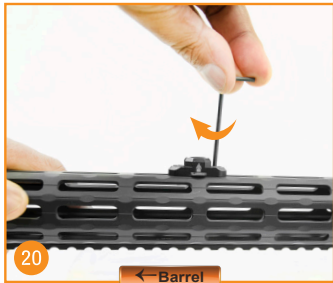
**Caution:** Other accessories (e.g. polymer product) may require different torque values for installation. Refer to manufacturer's operator manual for correct specification.



Make sure the rail section/accessory is fully seated and flush on the rail system. "Bias" the rail section by applying pressure downward and towards the muzzle.



Insert the supplied Hex Key into the rail section screws and rotate them clockwise. Apply a maximum of 30 in-lb.



Follow the instructions in step 16-19 for the rail section to install the M-LOK™ Sling Swivel Adaptor.



Reinstall the bolt carrier group and charging handle back into the upper receiver. Reassemble the upper and lower receiver and proceed to function check the firearm.

## OPTIONAL



Users may purchase additional UTG PRO detachable M-LOK™ Picatinny rail sections for customized accessory attachment.



Attach high quality UTG accessories, such as: foregrips, bipods, flashlights, lasers, etc.

## ADDITIONAL ACCESSORIES SOLD SEPARATELY

0.37" Saddle Height M-LOK™ Picatinny Rail Sections and Sling Swivel Adaptor

4-Slot MTURS09S



8-Slot MTURS09M



TLUSW001

