

Wilson Combat AR-15 M-LOK Rail Installation Instructions

1. Install barrel into a stripped upper receiver (no bolt or charging handle) with the upper held securely by an upper vise block or assembly rod type tool to keep the receiver stable during barrel nut installation. **NOTE-Failure to use an upper vise block or assembly rod may result in permanent receiver damage.**
2. Slide the barrel nut over the barrel and thread onto the upper receiver. Ensure that the barrel nut will thread on smoothly, without galling. Apply a quality gun grease to the receiver threads to allow for future disassembly.
3. When installing a barrel nut on the upper receiver you want to time your nut out by evenly splitting the screw holes and the gas tube hole on the upper at approximately 35-50lbs. If unable to time the nut properly remove the barrel nut and switch to the other side of the nut. You may need to use the appropriate barrel nut shims to assist proper timing of the barrel nut. It is recommended to use a crowfoot torque wrench.
4. If the barrel nut doesn't time properly within the 35-50 ft lbs. torque range, remove the barrel nut and thread on the receiver using the opposite end threads and repeat the installation. If the barrel nut still will not properly time within the 35-50 ft lbs. torque range, remove the barrel nut and install with the supplied barrel nut shim. Take care not to deform or bend the shim during installation.
5. With the barrel nut now timed, it is now time to do a test install of the M-LOK rail. Clamp the rail and receiver with a scope mount bridging the rail and the receiver to ensure both rails are perfectly aligned. If the rail and receiver are properly aligned, the M-LOK rail attachment screws should install easily. At this point if the barrel nut is properly timed, remove the rail and install the gas block/gas tube assembly and muzzle device (if applicable). You may find it easier to install your M-LOK accessories at this time with the rail removed from the receiver.
6. Once the gas assembly and muzzle device are installed, slide the M-LOK rail onto the barrel nut with the top rail aligned with the upper receiver rail. You can use a scope mount bridging the rail and receiver as a clamp during this stage to hold the rail in place.
7. Using the supplied 7" Allen wrench, install the flush mount rail attachment screws with a dab of grease on the cone area of the screw head to prevent galling against the aluminum rail. Tighten screws to "Hand tight" using the supplied wrench as overtightening may gall the flush screw heads into the softer aluminum rail and strip the screw heads. For semi-permanent installations, you can use blue thread locker on the threaded portion on the screws.

Wilson Combat AR-10 M-LOK Rail Installation Instructions

1. Install barrel into a stripped upper receiver (no bolt or charging handle) with the upper held securely by an upper vise block or assembly rod type tool to keep the receiver stable during barrel nut installation. **NOTE-Failure to use an upper vise block or assembly rod may result in permanent receiver damage.**
2. Slide the barrel nut over the barrel and thread onto the upper receiver. Ensure that the barrel nut will thread on smoothly, without galling. Apply a quality gun grease to the receiver threads to allow for future disassembly.
3. Using a crowfoot style wrench adaptor (AR-10 1 3/8") on an adjustable torque wrench handle, torque the barrel nut to approximately 35-50 ft-lbs. while timing the rail assembly holes in the proper position. Note-you can gauge screw timing by screwing in one rail screw at the 12 o'clock position. When the screw is centered in the receiver gas tube entry hole (looking from the front of the receiver) your barrel nut is properly timed.
4. If the barrel nut doesn't time properly within the 35-50 ft lbs. torque range, remove the barrel nut and thread on the receiver using the opposite end threads and repeat the installation. If the barrel nut still will not properly time within the 35-50 ft lbs. torque range, remove the barrel nut and install with the supplied barrel nut shim. Take care not to deform or bend the shim during installation.
5. With the barrel nut now timed, it is now time to do a test install of the M-LOK rail. Clamp the rail and receiver with a scope mount bridging the rail and the receiver to ensure both rails are perfectly aligned. If the rail and receiver are properly aligned, the M-LOK rail attachment screws should install easily. At this point if the barrel nut is properly timed, remove the rail and install the gas block/gas tube assembly and muzzle device (if applicable). You may find it easier to install your M-LOK accessories at this time with the rail removed from the receiver.
6. Once the gas assembly and muzzle device are installed, slide the M-LOK rail onto the barrel nut with the top rail aligned with the upper receiver rail. You can use a scope mount bridging the rail and receiver as a clamp during this stage to hold the rail in place.
7. Using the supplied 7" Allen wrench, install the flush mount rail attachment screws with a dab of grease on the cone area of the screw head to prevent galling against the aluminum rail. Tighten screws to "Hand tight" using the supplied wrench as overtightening may gall the flush screw heads into the softer aluminum rail and strip the screw heads. For semi-permanent installations, you can use blue thread locker on the threaded portion on the screws.