



This tool allows for straight line application of torque compounding the torque settings and allows the use of a barrel nut or free float nut tool and vise without danger of scuffing or scaring the exterior of the upper receiver.

Use of this tool requires a suitable barrel nut wrench (armorer wrench) or the appropriate free float tube wrench, a sturdy vise and a torque wrench with 1/2" square drive.



### WARNING



Never attempt to disassemble or reassemble a firearm unless you are absolutely certain that it is empty and unloaded. Visually inspect the chamber, the magazine and firing mechanism to be absolutely certain that no ammunition remains in the firearm. Disassembly and reassembly should follow the manufacturer's instructions. If such instructions are not immediately available, contact the manufacturer to see if they are available. If they are not available at all, then you should consult other reference sources such as reference books or persons with sufficient knowledge. If such alternative sources are not available and you have a need to disassemble or reassemble the firearm, you should proceed basing your procedures on common sense and experience with similarly constructed firearms.

With regard to the use of these tools, the advice of Brownells Incorporated is general. If there is any question as to a specific application it would be best to seek out specific advice from other sources and not solely rely on the general advice and warnings given.

### HOW TO USE

Lock the armorer wrench (barrel nut wrench or free float tube wrench) in a vise firmly to prevent it from slipping. Allow enough room for the receiver to turn without touching the vise or vise jaw at either side of the vise. Insert the barrel into the upper receiver with the locator pin in the cut at the front of the receiver and turn the barrel nut onto the receiver threads until hand tight. Set your torque wrench at 30 ft. lbs. to begin. Slide the barrel through the armorer wrench (barrel nut wrench) and hold it, the barrel nut against the armorer wrench (barrel nut wrench) to keep the engagement and insert the tool into the rear of the upper receiver. Use the torque wrench on the Brownells AR-15/M16 Barrel Extension Torque Tool to apply pressure until the indicator of the wrench shows 30 lbs. Check for alignment of the gas tube ports and align them before installing the gas tube from the rear or from the front. Add additional torque to further install the barrel wrench until the gas tube can be installed properly. **DO NOT EXCEED 80 FT. LBS OF TORQUE TO INSTALL THE BARREL NUT.** If using anti-seize compound reduce torque to avoid over torque of the receiver/barrel nut.

Insert the bolt/bolt carrier assembly to make sure the gas tube and key align without binding or stopping before the bolt is in battery.

Complete the assembly of the rifle as required for your application and equipment.

Reassemble the firearm according to the manufacturer's instructions. Check for proper functioning using **ACTION PROVING DUMMIES**. Make sure **ALL SAFETY MECHANISMS** are fully functional as designed and approved by the manufacturer. If these tests prove satisfactory, test-fire the firearm with live ammunition in a **SAFE** and **APPROPRIATE** manner. **IMPORTANT!** Start the live ammunition tests by first loading an **ACTION PROVING DUMMY**, then a live round, into the magazine. Only after several tests have been conducted in this manner should additional rounds be placed in the magazine and fired.

# BROWNELLS®

## AR-15/M16

# BARREL

# EXTENSION

# TORQUE TOOL

#080-000-637



READ & FOLLOW THESE  
**INSTRUCTIONS**

## BROWNELLS®

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