



The AR-15/M16 Combination Wrench helps the armorer or gunsmith repair AR-15/M16 rifles and their clones. This tool, is designed for use with current production AR-15/M16 rifles.



### 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

- 1) This radiused opening on the right side of the Wrench is used to tighten or loosen the Barrel Nut which secures the Barrel to the Upper Receiver. The three (3) pins that project from the surface of the Wrench are designed to fit notches cut into the circumference of the Barrel Nut. Before use, ALWAYS check these pins to make sure they are not bent or loose. When installing a barrel, the Combination Wrench is used with a 1/2" Square Drive Torque Wrench. EXACTLY 30 ft. pounds of pressure should be used to tighten the Barrel Nut. DO NOT apply pressure in excess of 30 ft. pounds as either the Barrel Nut or the Barrel may be damaged.
- 2) This approximately .630" wide slot provides a means of installing or removing the Lower Receiver Extension. A 1/2" Square Drive Torque Wrench is again used with the Combination Wrench to apply 35 to 39 ft. pounds to the Receiver Extension when fitting it to the Lower Receiver. DO NOT apply pressure in excess of 39 ft. pounds as either the Receiver Extension or the Lower Receiver may be damaged.
- 3) This .500" wide slot is included on the Combination Wrench to fit older, "narrow design" Receiver Extensions as used on the AR-15/M16 A1 models.
- 4) This approximately .760" wide slot is for removing and installing the Flash Suppressor. The Combination Wrench is used with a 1/2" Square Drive Torque Wrench when installing the Flash Suppressor. The recommended torque is 25 to 30 ft. pounds.
- 5) This 1/2" square hole in the body of the Combination Wrench is the attaching point for the 1/2" Square Drive Torque Wrench. In addition, this hole is used to attach a 1/2" Square Drive, 12" Handle that is used to give

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## AR-15/M16

# COMBINATION WRENCH

#080-216-015



READ & FOLLOW THESE  
INSTRUCTIONS

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added leverage when removing the Receiver Extension, Barrel Nut, or Flash Suppressor. Please note that **ONLY** the 12" Handle should be used for disassembly; **DO NOT USE A TORQUE WRENCH FOR DISASSEMBLY OF THESE COMPONENTS. THE 12" HANDLE SHOULD NOT BE USED FOR ASSEMBLY PURPOSES.** Proper torque during assembly is of critical importance for proper functioning and to prevent damage to components. When installing any threaded part such as the Barrel Nut or Flash Suppressor, carefully inspect the threads for burrs, rust, grit, or other material that might interfere with proper fit. It is also advisable to apply a small amount of a high grade lubricant such as Brownells Barrel Assembly Paste (#083-050-100) to the threads to prevent galling.

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.