



Various components of the AR-15/M16 rifle are assembled with specific amounts of pressure or torque. Less torque than is recommended by the manufacturer could result in a loose or insecure component; excessive torque might damage the parts. The 1/2" and 3/8" Square Drive Torque Wrenches are included in the Armorer's Kit to ensure that the correct amount of torque can be applied precisely and easily.

The adjustable design of the torque wrenches permits rapid settings for the exact amount of torque required in a particular situation. In addition, the self-limiting feature helps to ensure that the user will not apply excessive torque or force.



#### 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

Extensive, detailed instructions are furnished by the manufacturer for the torque wrenches covering both the use and care of these precision instruments.

Actual use of these torque wrenches on the AR-15/M16 begins with a careful and thorough check of the rifle to be absolutely sure that it is **UNLOADED**. Remove the magazine, lock the bolt to the rear and inspect the chamber to make sure that it is clear of ammunition. Depending upon the particular operation to be performed, the rifle should be disassembled as required following the manufacturer's instructions.

The 1/2" Square Drive Torque Wrench is used with the AR-15/M16 Combination Wrench to install the Flash Suppressor, the Barrel Nut and the Lower Receiver Extension. When installing the Flash Suppressor, 25 or 30 foot pounds of torque should be applied. When fitting the Barrel Nut to the Upper Receiver, a force of 30 foot pounds is applied to secure the barrel. The Lower Receiver Extension is fitted to the Lower Receiver and between 35 and 40 foot pounds should be applied to these screws.

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.

# 1/2" and 3/8" SQUARE DRIVE TORQUE WRENCH

READ & FOLLOW THESE  
INSTRUCTIONS

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