



The M16 and many commercial clones of the AR-15 use a Pivot Pin secured in the Lower Receiver by a spring-loaded detent to join the Upper and Lower Receiver assemblies. Brownells M16 Pivot Pin Detent Installation Tool is designed to make installation of the Pivot Pin, the Pivot Pin Detent and Detent Spring quick and easy.



### 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

These instructions assume that the rifle has been disassembled according to the manufacturer's instructions and any needed repairs and/or maintenance work has been performed. It is further assumed that the rifle has been reassembled, following the manufacturer's instructions, to the point where the next step is installation of the Pivot Pin Detent.

Secure the Lower Receiver in a padded vise in a vertical position so the opening at the end of the Pivot Pin Detent hole is pointing "up". The *LONG* arm of the Installation Tool, which has a small through-hole near its end, is inserted from the *LEFT* side of the receiver into the holes for the Pivot Pin. Carefully position the Installation Tool so the through-hole is positioned directly over, and in line with, the Detent Spring hole in the right side of the receiver.

Pass the Detent Spring through the Installation Tool into its seating hole. Next, place the small metal Detent on top of the Detent Spring. Approximately half of the Detent will project out of the hole in the Installation Tool. A  $\frac{3}{32}$ " diameter or smaller pouch should be used to press the Detent down into the Detent Spring hole far enough to permit 90° rotation of the "short" arm of the Installation Tool. Rotating the Installation Tool will hold the Detent securely in place.

Position the small end of the Pivot Pin against, and in perfect alignment with, the end of the "long" arm of the Installation Tool. Using both hands and being **EXTREMELY CAREFUL**, push the Pivot Pin into its hole in the Lower Receiver. At the **SAME TIME**, you will push the Installation Tool to the left and out of the Lower Receiver. This **MUST** be done smoothly and quickly to

# BROWNELLS<sup>®</sup> M16 PIVOT PIN DETENT INSTALLATION TOOL

#080-216-011



READ & FOLLOW THESE  
INSTRUCTIONS

## BROWNELLS<sup>®</sup>

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prevent loss of the spring-loaded Pivot Pin Detent. When the Pivot Pin is pushed approximately halfway into the Lower Receiver, it may be necessary to rotate it so the Detent seats into the milled slot in the side of the Pin. The Pivot Pin can now be fully pressed into place in the Lower Receiver. Further reassembly can proceed as required.

**IMPORTANT NOTE:** ALWAYS wear safety glasses or other appropriate eye protection when working with spring-loaded parts to prevent injury to your eyes.

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.