



This tool is to be used to perfectly align the flat top of the receiver on an AR type rifle with the top rail on a free floating handguard. The handguard must be of a three piece design (separate barrel nut, and tube lock collar), the rail on the handguard must be on the same height plane as the receiver, and must be "1913 Picatinny" specifications. NOTE: The Picatinny rails must be free of burrs or bends, or this precision tool may not fit.



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) Secure the barrel to the upper receiver with the Barrel Nut that is to be used with the float tube, torque to spec. Check the gas tube hole.
- 2) Separate the two halves of the tool by removing the 5/16"-18 bolt with a 1/4" hex wrench. Slide the larger, receiver alignment half of the tool on to the upper receiver with the bolt hole toward the muzzle. Position the tool flush with the front of the receiver and secure it with the two 10-32 screws (5/32" hex wrench).
- 3) Thread the lock collar on to the Barrel Nut to the point that it is flush with the back end. Screw the float tube on, get it as close to the lock collar as possible with the appropriate rail situated at top dead center. If you plan to use thread locker you will need to degrease these parts (and tube) prior to this step (#3).
- 4) Remove the two steel rail clamps from the small tube alignment half of the tool. Insert the tenon of the small half into the mortise of the larger half on the receiver. Loosely install the 5/16"-18 bolt. Rotate the float tube until it appears square in relation to the bottom of the alignment tool. Push the tube clamp down on to the top of the rail, the mortise and tenon arrangement will keep it from rotating.
- 5) Carefully attach and tighten the steel clamps to the sides of the tool.
- 6) Finally tighten the large 5/16"-18 bolt on the alignment tool. The float tube rail should now be aligned with the upper receiver rail. The tube lock collar may now be secured.

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

HANDGUARD

ALIGNMENT

TOOL

#080-000-368



READ & FOLLOW THESE
INSTRUCTIONS

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