



Operations Guide

For Models

TAC II
&
TAC III

Patents Pending Worldwide

WARNING: Read all warnings before attempting to install, use or service the Tilted Picatinny Rail system.

CONSUMER INFORMATION 2

Please read **LEGAL WARNING** before use. Read and understand all instructions.

To Our Valued Customer,

We are very pleased to welcome you to the Accuracy Solutions family of products with your purchase of *BIPODEXT™*.

Special care is required when working on or shooting a rifle. We encourage proper training and licensing before modifying or operating a firearm.

Proper mounting and safe use of your *BIPODEXT™* is our desire, but your responsibility.

Thank you very much for your purchase and please enjoy this product safely.

Sincerely,

Accuracy Solutions LLC



PLEASE PAY ATTENTION TO ALL WARNINGS AND CAUTION STATEMENTS



WARNING statements are designed to alert you to the possibility of personal injury, loss of life, damage to the *BIPODEXT™* and/or personal property if the instructions are not followed.



CAUTION statements are designed to alert you to the possibility of damage to *BIPODEXT™* or personal property if the instructions given are not followed.

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LEGAL WARNING

It is the consumer's responsibility to know, understand, and comply with all state, federal, and local laws and regulations. Certain configurations of firearms may be regulated within your state. Ensure that the use and installation of the *BIPODEXT™* is lawful prior to purchase and use.



WARNING Before working on your firearm make sure that it is not loaded with ammunition. Never aim a firearm in the direction of a person or anything of value, even if the firearm is not loaded.

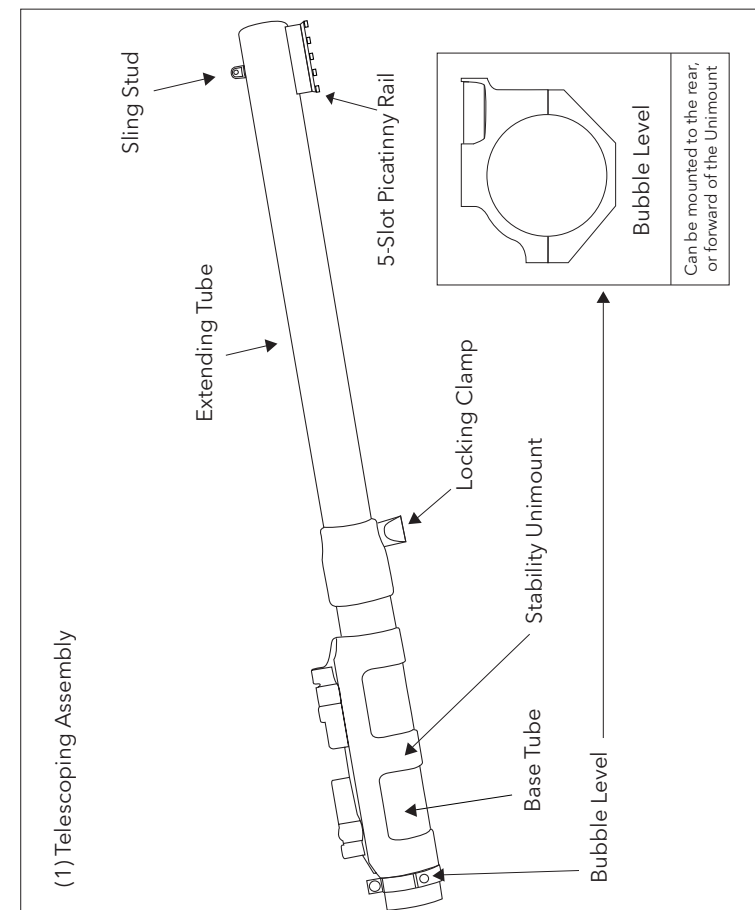


CAUTION Illustrations in the Assembly & Operations Guide may differ from actual product.

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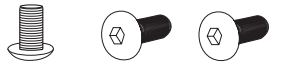


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(4) Assorted Bolts for Tilted Rail Installation*

- (1) #10-32 x 3/4"
- (1) #10-32 x 1"
- (1) #10-32 x 1.1/4"
- (1) #10-32 x 1.1/2"

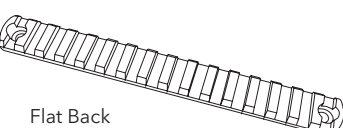


- (3) #10 Hex Nuts
- (3) #10 Lock Washers
- (3) #10 Flat Washers

Bolts, Nuts & Washers are made of rust-resistant Wax Coated, Black Oxide Stainless Steel.

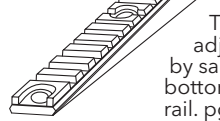
*NOTE: only (3) Bolts are needed to install the Tilted Picatinny Rail, but we have included an assortment of eight (4) bolts with varying lengths to allow the user to adapt to as many rifle forearms as possible.

(1) 16 Slot Picatinny Rail



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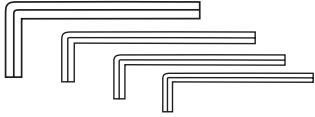
(1) 13 Slot Tilted Picatinny Rail



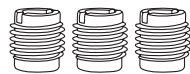
Tilt is adjustable by sanding the bottom of the rail. pg. 15

Tilt: 4.33° (260 MOA)

(4) Allen Wrenches

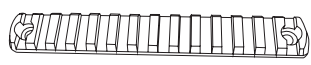


(3) Threaded Inserts



29/64" Outside Diameter

(2) 13 Slot Picatinny Rails



KeyMod



M-LOK



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BIPODEXT™ is made to fit two types of rifles. 1.) Tactical Rifles (rifles already equipped with, or that can easily receive, a Picatinny Rail) and 2.) Sporting Rifles (rifles without a Picatinny Rail).

If your rifle does not come equipped with a Picatinny Rail installed on the bottom of the forearm you will need to install one (provided) in order to fasten *BIPODEXT™* to your rifle. We have also included a Tilted Picatinny Rail to account for the steep taper of angled forearms on most sporting rifles. This allows the *BIPODEXT™* to be mounted parallel to the axis of the bore, however, a slight deviation of axial alignment will not interfere with the performance of *BIPODEXT™*.



CAUTION Fitting of the Tilted Rail may be required. If you do not possess the necessary skills and tools, please have this installation performed by a trained gunsmith.

BIPODEXT™ is made to receive two different types of bipods, the ones that attach to a Sling Stud and the ones that attach to a Picatinny Rail. The design of the Telescoping Assembly allows for both types of Bipods to be attached simultaneously.



CAUTION We do not recommend attaching your bipod until *BIPODEXT™* is fully assembled. Please refer to your bipod user manual for attachment instructions

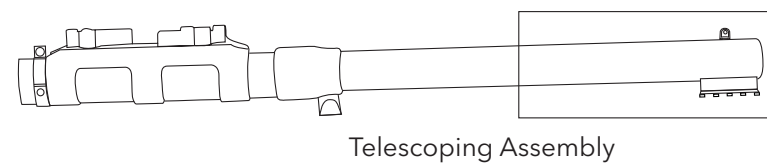
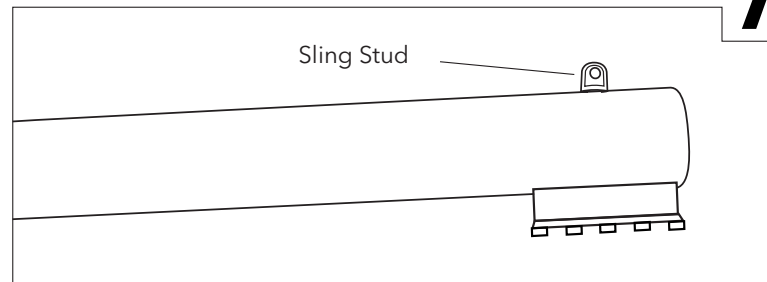


WARNING Failure to install the Bipod correctly per the manufacturers specifications could yield unwanted results possibly causing damage, injury or death.

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Bipods that attach to a Sling Stud (Harris Type) 7



Bipods that attach to a Picatinny Rail (U.S. Mil-STD-1913)

The 5-Slot Picatinny Rail comes pre-installed to the Telescoping Assembly. To install the bipod please refer to the instructions provided by your bipod's manufacturer.



WARNING Failure to install the Bipod correctly per the manufacturers specifications could yield unwanted results, possibly causing damage, injury or death. If you are operating two bipods simultaneously make sure neither bipod comes into contact with the barrel of the rifle. Disruption of barrel harmonics could yield unwanted results, possibly causing damage, injury or death.

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Installing Tilted Picatinny Rail on a Sporting Rifle 8



WARNING DO NOT ATTEMPT to install the Tilted Picatinny Rail if you do not possess the necessary workmanship skills and required tools. The following are simplistic images meant ONLY as a general guide to the required installation. These are NOT detailed instructions. If you are not completely comfortable in performing the work you should instead take the installation job to a professional gunsmith. Typically a qualified gunsmith is able to perform this installation in approx. one hour.

There are two methods of installation: 1.) Drilling holes through the forearm, 2.) Installing Threaded Inserts. For wooden rifles both methods work. For most synthetic rifles' stocks method 1 is recommended. Refer to pg. 15 if altering the angle of the Tilted Rail is required



WARNING Failure to correctly disassemble and re-assemble a rifle or to correctly install the Tilted Picatinny Rail could result in damage to your rifle and/or affect the performance of *BIPODEXT™* causing serious injury or death.

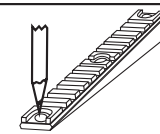
Please consult your rifle manufacturer's instructions guide (owners manual) or consult a trained professional on how to properly separate the barreled action from the rifle stock.

Method 1.) Drilling Holes Through Forearm



CAUTION Before working on your stock we recommend practicing on scrap wood.

Use the Tilted Picatinny Rail to mark holes where you will drill into the forearm of the rifle stock. We suggest you install the Tilted Picatinny Rail as far back



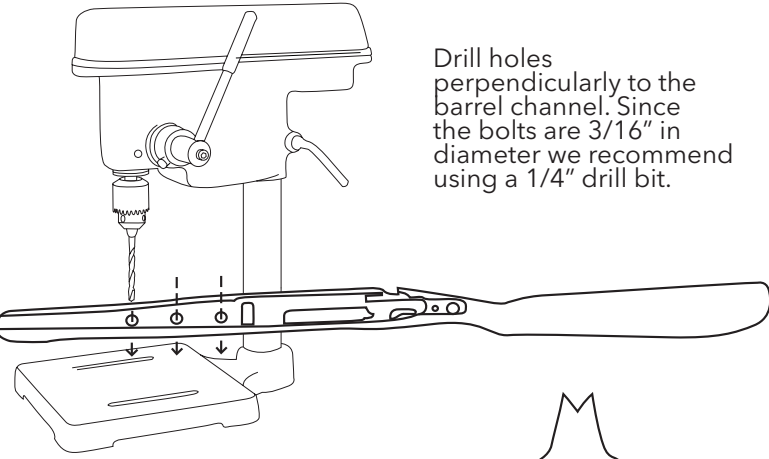
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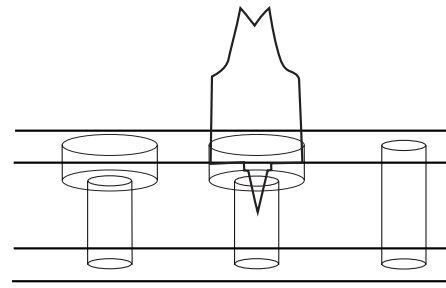
and close to the recoil lug as possible, while making sure that the installation will not interfere with the proper functioning of the rifle.

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Drill holes perpendicularly to the barrel channel. Since the bolts are 3/16" in diameter we recommend using a 1/4" drill bit.



Counter-Bore each hole in the barrel channel of the rifle forearm to make room for the Washers and Nuts. The bore depth needs to be at least 5/16" deep and 5/8" in width.



Installing one bolt at a time should make the installation job easier to accomplish.

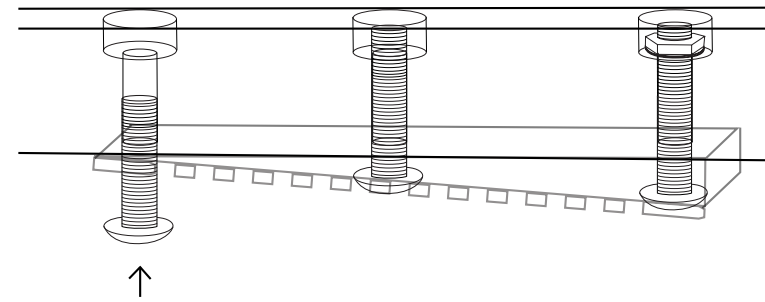
Insert a Bolt up through the center hole of the Tilted Picatinny Rail. Present the Rail assembly to the rifle stock and run the one Bolt through the newly drilled center hole. In the barrel channel of the forearm, place first the Flat Washer over the Bolt, next the Lock Washer, last run a Hex Nut over the Bolt just a few turns (leave it loose for the mean time).

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Repeat the above procedure for the remaining two Bolts, Flat Washers, Lock Washers and Hex Nuts,

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while paying attention to the selected bolts' length(s). Ensure that neither the Bolts nor the Hex Nuts raise above the Counter-Bore hole as they should never touch the rifle's barrel. Tighten, to a minimum of 20 lbs/in of pressure but do not exceed 30 lbs/in of pressure. Confirm the shallow end of the Tilted Rail is pointed towards the butt stock of the rifle and the serrated area of the Rail is pointed away from the barrel.



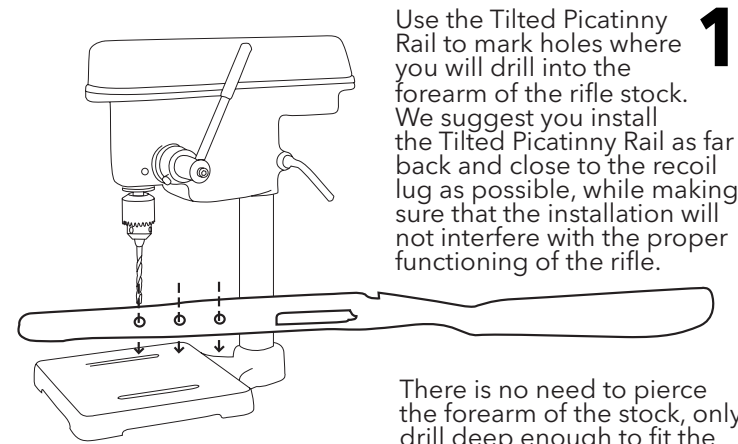
WARNING The Tilted Picatinny Rail needs to be securely fastened. Failure to do so could affect the performance of BIPODEXT™ and/or your bipod causing damage, injury or death.

Method 2.) Installing Threaded Inserts

An alternative to drilling through and through holes in the forearm of the rifle (Method 1) is to install Threaded Inserts (included). This method provides for a more efficient attachment/detachment of the Tilted Picatinny Rail to and from the rifle's forend.

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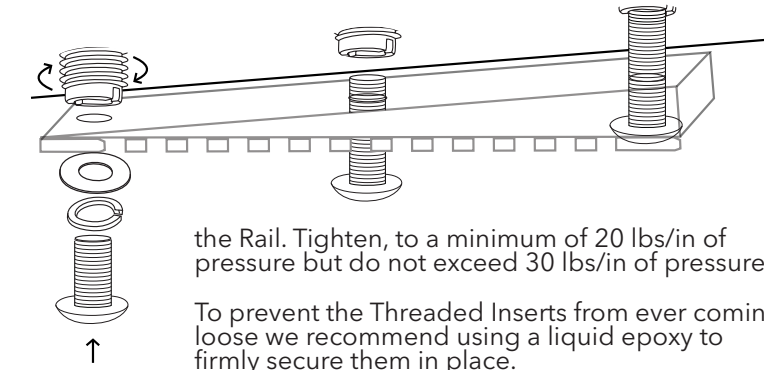
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Use the Tilted Picatinny Rail to mark holes where you will drill into the forearm of the rifle stock. We suggest you install the Tilted Picatinny Rail as far back and close to the recoil lug as possible, while making sure that the installation will not interfere with the proper functioning of the rifle.

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There is no need to pierce the forearm of the stock, only drill deep enough to fit the provided Threaded Inserts into place. We recommend a depth of 5/8" with a 23/64" drill bit. Once the forearm is drilled, screw in Threaded Inserts with a flat head screw driver until they are flush with the forearm. Place the Tilted Picatinny Rail over the Threaded Inserts. First insert the Bolt through Lock Washer, Flat Washer and then through



the Rail. Tighten, to a minimum of 20 lbs/in of pressure but do not exceed 30 lbs/in of pressure.

To prevent the Threaded Inserts from ever coming loose we recommend using a liquid epoxy to firmly secure them in place.

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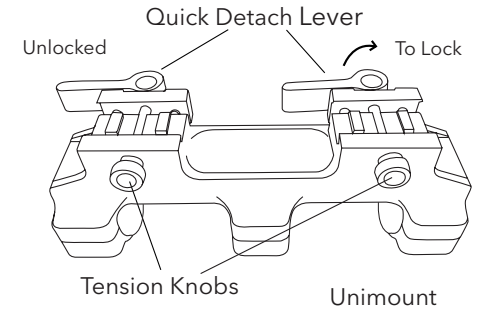
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Attaching BIPODEXT™ to a Rifle

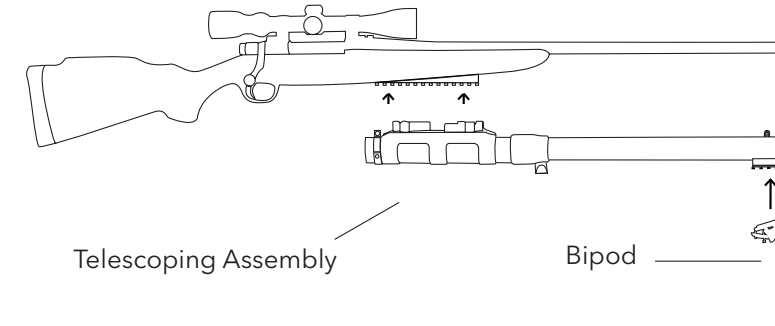
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Once your rifle is equipped with an appropriate Picatinny Rail mounted at the bottom of its forend you may attach BIPODEXT™ to it.

To attach BIPODEXT™ first unlock both Quick Detach Levers. This will widen the Unimount's clamps so you can place the clamps over the Picatinny Rail.



Lock by pushing down on the levers to fit securely so there is no movement. Adjust the Tension Knobs of the levers' counter bolt as needed. Do this for both levers.



WARNING Failure to securely mount the BipodeXt™ and clamp it tightly to your rifle will interfere with the performance of your Bipod.

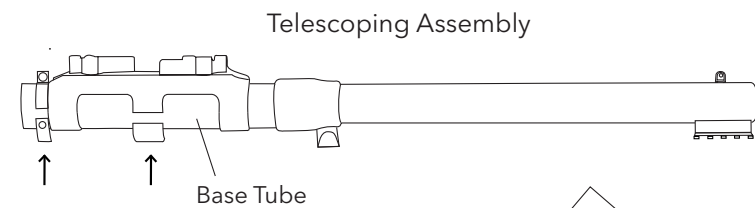
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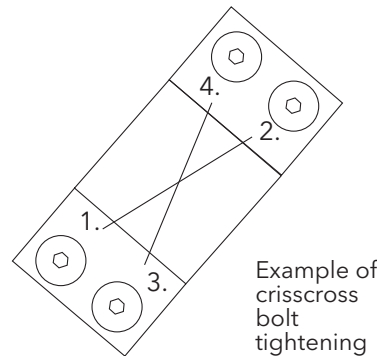
Customizing BIPODEXT™ to the Operator

The components of BIPODEXT™ can be re-arranged in a variety of ways to fit different rifles/bipods configuration as well as the user's personal preferences. For example, the Unimount is ambidextrous by nature. The QD levers can be employed from either side of the base tube simply by detaching the Unimount from the base tube and turning it around.

The Bubble Level can be employed to the rear of or forward of the Unimount. Ideally, the user should place the bubble level where it is easiest to be seen from a prone position, behind the rifle. The Bubble level can also be employed on the right or left hand side of the base tube.



Once the Unimount and Bubble Level placement is determined all bolts need to be tightened. Always tighten the Unimount bolts in a crisscross pattern and no more than one half turn at a time. Tighten all mounting rings' bolts to a minimum of 10 lbs/in not to exceed 15 lbs/in.



Example of crisscross bolt tightening

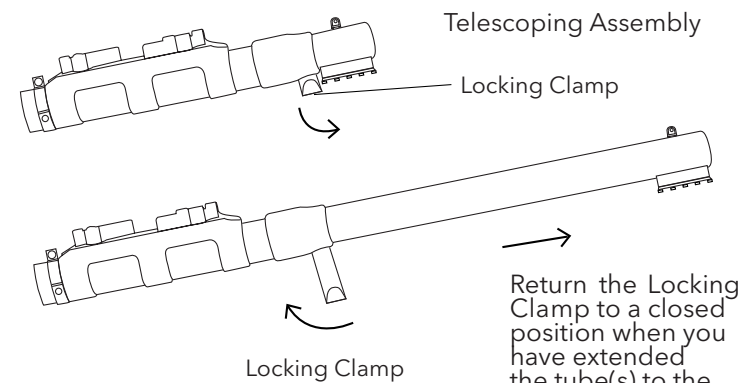
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Extending BIPODEXT™

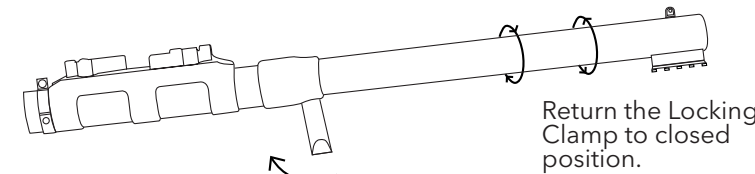
To adjust the length of BIPODEXT™ first pull the Locking Clamp to an open position. This will release the telescopic feature of the product and allow you to customize the Bipod's resting point. Space permitting, for best results always extend BIPODEXT™ out as far as possible.



Return the Locking Clamp to a closed position when you have extended the tube(s) to the desired length.

Extreme Canting Correction

With the Locking Clamp in a open position BIPODEXT™ can rotate 360 degrees to achieve EXTREME CANTING CORRECTION. Use Bubble Level to make sure the rifle system is leveled.



Return the Locking Clamp to closed position.

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Adjusting Tilted Picatinny Rail

The Tilted Rail is designed to work with stocks that have an angled forend of 4.33°. This can be adjusted.

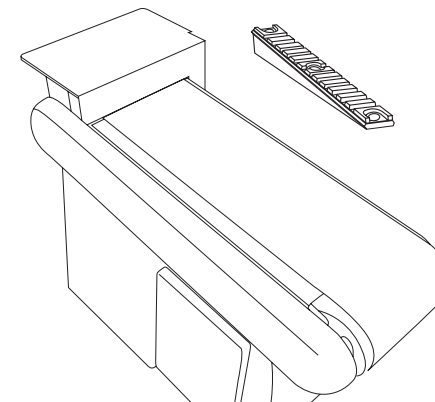


WARNING If you are not comfortable with altering components or do not possess the skills and tools necessary to perform the work, we recommend that this fitting technique be performed by an accredited gunsmith or machinist. Excess removal of composite material due to improper fitting technique will void the warranty accompanied the Tilted Picatinny Rail and purchase of a replacement may be required.

To adjust the Tilted Rail you will first need to identify the angle of your rifle's forend. Use a square (or desired measuring device), at the installation point, to identify the angle. The purpose of the Tilted Rail is to create a parallel plane with the barrel.

Next, mark the area, coinciding with the angle you found to be on a parallel plane with the axis of the bore, on the Tilted Rail. Ensure the rail is marked on both sides and that it is symmetrical.

We recommend using a belt sander to remove the material from the Tilted Rail. This procedure is best performed by gradual and slow movement so that a minimum amount of composite material is removed to meet the angular requirements of your rifle stock forend.



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For more information, product warranty, return policy, or general inquiries please visit us at:

ACCURACYSOLUTIONS.COM

Returns are honored for 30 days from date of purchase