



ACCESSORY RAIL ARMORER'S KIT

The **LIGHTLINK** Tactical Forearm Rail Kit is enclosed. The Tactical Forearm Rail is specifically designed to permit easy use of any Picatinny rail mounted accessory. In addition to rails, all necessary screws, well-nuts, bushings, wrenches, washers, and drill bits are enclosed. The **LIGHTLINK** Tactical Forearm Rail can be mounted either on the top or bottom of a forearm, or can be mounted at any angle on the sides of the forearm, and all necessary hardware for both installations is enclosed.

IMPORTANT:
READ THESE MATERIALS
BEFORE
YOU USE THIS PRODUCT!

WWW.LIGHTLINK.BIZ



Tactical Forearm Rail

Your **LIGHTLINK** Forearm Rail is pre-configured for your weapon. If you need unique adjustments, ask your dealer to ship your firearm to Mounting Solutions Plus for adjustment. Otherwise, **never** attempt to modify your rail. Improper modification can damage your **LIGHTLINK** rail, accessory, or firearm.

LIGHTLINK products should **only** be installed by a competent gunsmith or armorer. Improper installation may result in damage to your weapon, accessory, or mount.

Any disassembly, alteration, re-adjustment, improper installation, or misuse of any **LIGHTLINK** product voids all warranties.

Never attempt to attach or detach any accessory to your weapon with a cartridge in the chamber. **Always** unload your weapon first.

Never use any weapon mounted light as a flashlight. Weapon mounted lights are strictly tactical lights, and are to be used only when lethal force is authorized and unavoidable. **Never** point a loaded firearm at anything you are not authorized and willing to shoot.

Always avoid lethal situations whenever possible. **LIGHTLINK** products are intended to provide additional useful capabilities to persons in unavoidable potentially lethal situations, but no product can fully protect the user from injury or death in a firefight. The knowing use of **LIGHTLINK** products, when a potentially lethal situation could be avoided, will constitute an assumption of the known risks of engaging in a lethal situation.

Never violate these rules. Firearms are lethal and destructive devices. Violation of these warnings or misuse of any **LIGHTLINK** product may result in injury or death to the user or to others.

IN OTHER WORDS:
USE SOME COMMON SENSE!!!
**MOUNTING SOLUTIONS PLUS IS NOT
RESPONSIBLE FOR YOUR MIS-USE OF
LIGHTLINK PRODUCTS.
INSTALLATION INSTRUCTIONS**



1. Select the forearm upon which the rail is to be mounted, and remove it from the weapon.



2. Gently remove the heat shield & set it aside.

For

**Installation Instructions
On Mounting The Forearm Rail
On The Side Of Any Forearm
Turn To Paragraph 30 On Page 12.**

**For Installation Instructions
On Mounting The Forearm Rail
On The Bottom Or Top Of Any Forearm
Turn To Paragraph 3 On Page 4.**

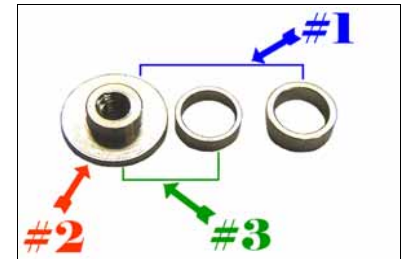
BOTTOM OR TOP RAIL INSTALLATION INSTRUCTIONS

Vent hole sizes vary with different forearms. Measure your vent holes to determine the correct size, and so determine which pattern will be applied -- #1, #2, or #3. Follow the instructions for your pattern when installing the forearm rail. **Shoulder washers & bushings are supplied in black, but are shown in silver here for better definition.**

Patterns:

- #1** - Uses .420" vent holes. Generally found in A2 style forearms.
- #2** - Uses .325" vent holes. Generally found in carbine forearms.
- #3** - Uses .395" vent holes. Generally found in M4 style forearms.

3. Locate the shoulder washers and bushings.



4. **Pattern #1** forearms use the shoulder washer with the **large** bushings installed.



5. **Pattern #2** forearms use the shoulder washers without bushings.



6. **Pattern #3** forearms use the shoulder washer with the **small** bushings installed.

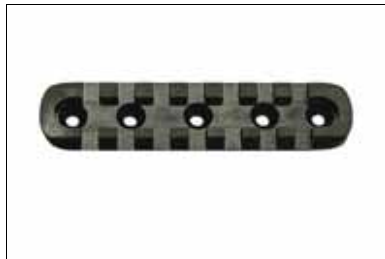


Just as with vent hole size, there are differences in vent hole spacing. There are generally two (2) different patterns of vent hole spacing, and these effect which screw holes will be used. Your rail will use three (3) of the five (5) screw holes available. All use the center rail screw hole. Match up the hole pattern with your forearm to ensure you will install shoulder washers in the correct vent holes.

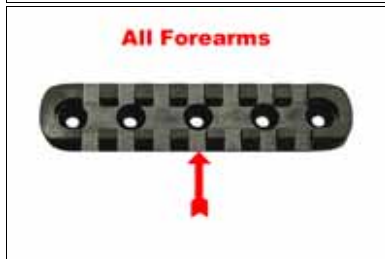
Patterns:

- #1-Uses the 1st, 3rd & 5th holes. Generally found in A2 style forearms.
- #2-Uses the 2nd, 3rd & 4th holes. Generally found in carbine forearms.
- #3-Uses the 1st, 3rd & 5th holes. Generally found in M4 style forearms.

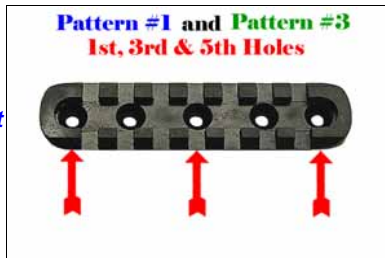
7. When the bushings are assembled, inspect the forearm rail.



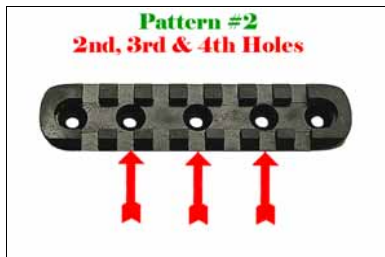
8. All forearms will utilize the **center** hole in the rail.



9. **Pattern #1** and **Pattern #3** forearms use the **first**, **third**, & **last** holes in the rail, and do **not** use the **second** or **fourth** holes.



10. **Pattern #2** forearms use the **second**, **third**, and **fourth** holes in the rail, and do **not** use the **first** or **last** holes.



Finally, you must determine where to place the forearm rail. These instructions are for mounting the rail as far forward as possible. Install the rail further to the rear if you desire. Simply match the hole pattern.

Patterns:

- #1-Align **first** rail screw hole with **third** vent hole. Generally found in A2 style forearms.
- #2-Align **second** rail screw hole with **second** vent hole. Generally found in carbine style forearms.
- #3-Align **first** rail screw hole with **first** vent hole. Generally found in M4 style forearms.

Align the rail according to pattern, and check to make sure the vent holes and screw holes which will be used are in correct alignment.

Remember, there are manufacturer variations between forearms. Select the combination of bushings, hole spacing, and installation location which works for your forearm. The instructions here only demonstrate the three most common patterns.

11. **Pattern #1** - Align the **first** hole in the rail with the **third** hole back from the front of the forearm.



12. **Pattern #2** Align the **second** rail hole with the **second** hole in the forearm.



13. **Pattern #3** Align the **first** rail hole with the **first** hole in the forearm.



Pattern #1



14. Align the **first** hole in the rail with the **third** hole back from the front of the forearm.

Pattern #1



15. Holding the rail in place, turn the rail over and place a shoulder washer, with the **large** bushing installed, in the **third** forearm hole (from the front of the forearm).

Pattern #1



16. Hold the rail & shoulder washer in place. Secure rail to forearm using an 8-32 flat head screw in the **first** rail hole. **Do NOT use Lock-Tite yet.**

Pattern #1



17. Place shoulder washers (**large** bushings installed) in the **fifth** and **seventh** forearm holes.

Pattern #1



18. Secure the shoulder washers with the remaining 8-32 flat head screws in the **third** and **fifth** rail holes.

Do NOT use Lock-Tite yet. GO TO STEP 29.

Pattern #2



19. Align the **second** rail hole with the **second** hole in the forearm.

Pattern #2



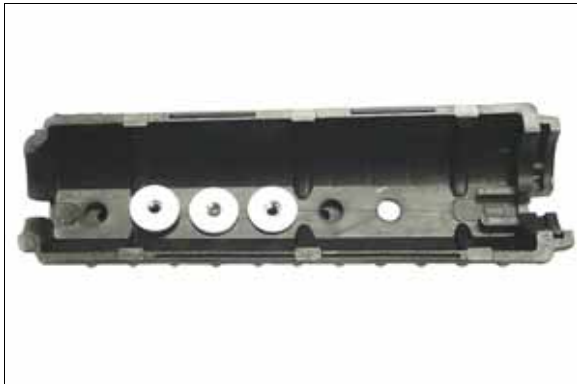
20. Turn the forearm over and install a shoulder washer in the **second** forearm hole, and align the **second** rail hole. **Do NOT use bushings.**

Pattern #2



21. Holding rail & shoulder washer in place, secure rail to forearm using an 8-32 flathead screw in the **second** hole. **Do NOT use Lock-Tite yet.**

Pattern #2



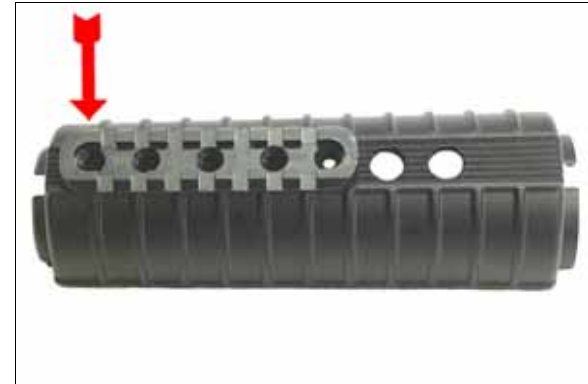
22. Place shoulder washers (no bushings installed) in the **third** and **fourth** forearm holes.

Pattern #2



23. Secure the shoulder washers with the remaining 8-32 flat head screws in the **third & fourth** rail holes. **Do NOT use Lock-Tite Yet. GO TO STEP 29.**

Pattern #3



24. Align the **first** rail hole with the **first** hole in the forearm.

Pattern #3



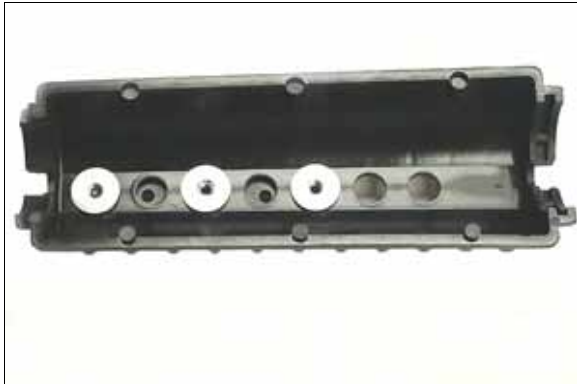
25. Turn the forearm over and install a shoulder washer in the **first** forearm hole, and align the **first** rail hole. Use **small** bushings.

Pattern #3



26. Hold the rail & shoulder washer in place & secure the rail to the forearm using an 8-32 flat head screw in the **first** hole. **Do NOT use Lock-Tite yet.**

Pattern #3



27. Place shoulder washers (with **small** bushings) in the **third** and **fifth** forearm holes.

Pattern #3



28. Secure the shoulder washers with the remaining 8-32 flat head screws in the **third** & **fifth** rail holes. **Do NOT use Lock-Tite yet.**

ALL



29. **For All Forearms** – When the rail is secured with all three flathead screws, one at a time, in turn, remove each screw, place a shall amount of **Blue** Lock-Tite on the screw, and snugly re-secure.

**To Complete The Installation Process
Turn to Paragraph 43 On Page 17
And Follow The Remaining Instructions**

SIDE RAIL INSTALLATION INSTRUCTIONS



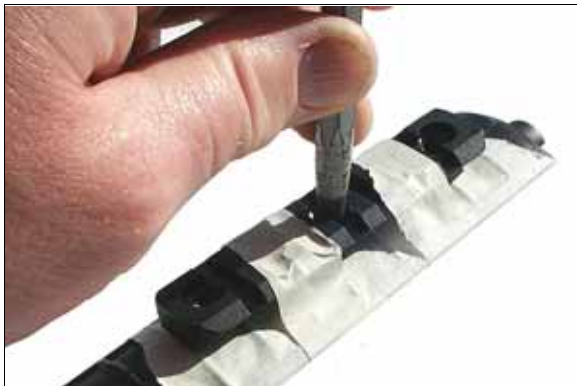
30. Examine the bottom of the rail. Note the bottom is radiused and grooved to match the contours of the forearm.



31. Place tape on the forearm covering the position in which the rail will be placed.



32. Tape the rail in place to retain the correct position on the forearm.



33. Use a sharp #8 transfer punch (roughly .156" O.D.) to mark the center of the holes selected to secure the rail. Repeat for at least 3 holes, preferably as far apart as is practical. **Do Not strike the punch so hard that it breaks the forearm.**



34. Remove the rail and check to ensure all three marks are clearly located. Repeat Steps 32-33 if needed to clearly mark all selected holes .



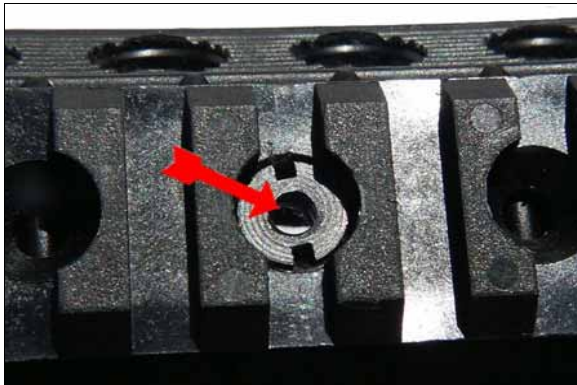
35. Use a starter bit to drill starter holes in each punch mark to ensure the drill does not walk off during drilling.



36. Use a #8 clearance drill (5/32" or .156") to finish drilling the starter holes.



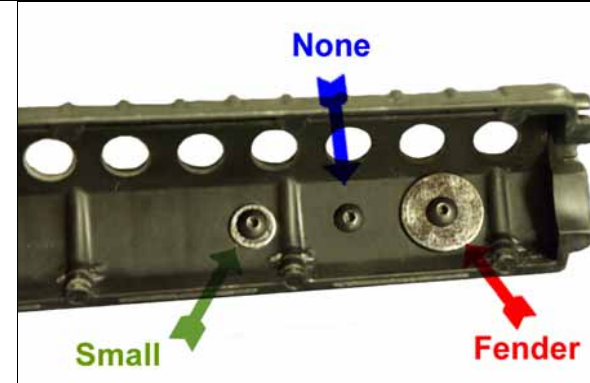
37. Remove the tape and ensure the holes are clear and free of debris.



38. Place a screw-nut in the top-center counter-sunk rail hole. Hold the rail and screw nut in place, and re-position the rail on the forearm.



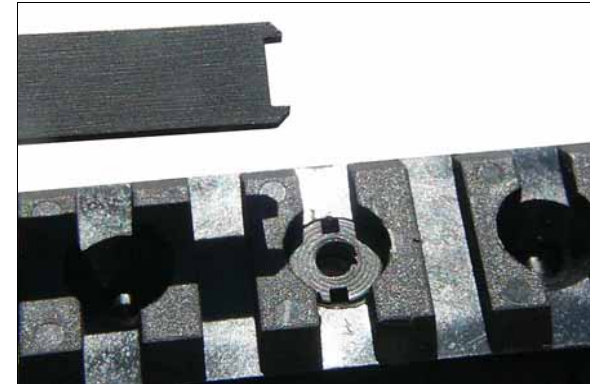
39. Thread an 8-32 pan-head screw through the forearm into the rail screw-nut. Use the center hole in both the forearm and rail. **Use the correct washer if needed. Do Not Use Lock-tite Yet!!**



40. In turn, place a screw-nut in the other counter-sunk rail holes & thread an 8-32 pan-head screw through the matching holes inside the forearm. **Use the correct washers if needed.**



41. One at a time, remove & place **blue** Lock-tite on each screw, then re-secure the screw to the nut.



42. Use the supplied spanner wrench in the top notches to hold each screw-nut in place while snugging each pan-head screw **firmly**.

COMPLETION OF ALL INSTALLATIONS



43. Gently re-install the heat shield.



44. Re-install the forearm.

EXAMPLES OF ACCESSORY MOUNTS



Vertical Fore-Grips Are Popular. . . .



. . . . And So Are Bi-Pods.



On Side Mounts, Lasers Are Popular. . . .



. . . . And So Are Infrared Illuminators.

The **LIGHTLINK** Tactical Forearm Rail permits you to mount almost any accessory that utilizes a Picatinny rail mounting system. Vertical fore-grips, bi-pods, or other accessories will be instantly adaptable to the forearm. The **LIGHTLINK** Forearm Rail also works perfectly in conjunction with the patented recoil-protected **LIGHTLINK** Accessory Mounts, with recoil protection built right into the mount.

WARNINGS

NEVER use a non-recoil protected mount for a recoil sensitive accessory on a weapon larger than .223 Remington. Recoil sensitive accessories on heavier recoiling weapons **require** use of a recoil protected mount.

NEVER mount any tactical light on a heavy recoiling weapon (larger than a .223 Remington) without **first** replacing the factory locking bar with a metal **LIGHTLINK** locking bar. Factory plastic locking bars will **not** withstand heavy recoil forces and **will** eventually break.

Violation of these warnings voids all warranties.

Other **LIGHTLINK** Mounts Include:



Rifle I-Mount On Colt



Shotgun I-Mount On Remington



Helmet Mount



Headband Mount



Detachable ARMS 17 Mount



Forearm Mount

WARRANTY & DISCLAIMER

THERE IS NO WARRANTY, REPRESENTATION OR CONDITION OF ANY KIND FOR **LIGHTLINK** PRODUCTS; AND ANY WARRANTY, EXPRESS OR IMPLIED, IS SPECIFICALLY EXCLUDED AND DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE.

Some states do not allow limitations on implied warranties, so the above limitation may not apply to you.

IT IS AGREED THAT THE LIABILITY OF MOUNTING SOLUTIONS PLUS, AND THE PURCHASER'S SOLE REMEDY, WHETHER IN CONTRACT, UNDER ANY WARRANTY ALLOWED BY STATE LAW, IN TORT (INCLUDING NEGLIGENCE), IN STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE RETURN OF THE AMOUNT OF THE PURCHASE PRICE PAID BY PURCHASER, OR ALTERNATIVELY REPAIR OR REPLACEMENT OF THE **LIGHTLINK** PRODUCT; AND UNDER NO CIRCUMSTANCES SHALL MOUNTING SOLUTIONS PLUS BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, DEATH, PROPERTY DAMAGE, DAMAGE TO EQUIPMENT, LOST PROFITS OR REVENUES, COST OF OBTAINING REPLACEMENTS, OR OTHER ADDITIONAL EXPENSES, EVEN IF MOUNTING SOLUTIONS PLUS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE LIMITATIONS ON THE PRICE PAID FOR THE PURCHASE OF THIS **LIGHTLINK** PRODUCT IS A CONSIDERATION IN LIMITING THE LIABILITY OF MOUNTING SOLUTIONS PLUS AND THE PURCHASER'S REMEDIES.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation or exclusion may not apply to you.

MOUNTING SOLUTIONS PLUS WILL NOT BE LIABLE FOR ANY DAMAGES, LOSSES OR EXPENSES AS A RESULT OF PURCHASER'S NEGLIGENCE, WHETHER DEEMED ACTIVE OR PASSIVE AND WHETHER OR NOT ANY SUCH NEGLIGENCE IS THE SOLE CAUSE OF ANY DAMAGE, LOSS OR EXPENSE. MOUNTING SOLUTIONS PLUS WILL NOT BE LIABLE FOR THE USER'S VOLUNTARY AND KNOWING ASSUMPTION OF THE KNOWN RISKS ATTENDANT TO ANY POTENTIALLY LETHAL SITUATION.

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(305) 232-1247

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