



## **GUNSMITH INSTALLATION INSTRUCTIONS**

Your *TRI-LINK* Fiber-Optic Shotgun Front Sight installation pack is enclosed.

*TRI-LINK* products provide you with the capability of installing for your customers the **only** shotgun front sight that links the proven light transmitting qualities of fiber-optic rod, with instant user replaceability in the field or during a match. Install as many or as few beads as your customer wants, in any color.

***IMPORTANT:***  
***READ THESE MATERIALS***  
***BEFORE***  
***YOU INSTALL THIS PRODUCT!***



### ***Notify Your Customers Of The Following Warnings:***

***Never*** disassemble any *TRI-LINK* product. Disassembly of *TRI-LINK* products will void all warranties. If repairs are required, return your *TRI-LINK* to Mounting Solutions Plus or a competent gunsmith.

*TRI-LINK* sight comes pre-sized. If faced with unique size problems, ship the firearm to Mounting Solutions Plus for adjustment. Otherwise, ***never*** attempt to modify your sight. Improper modification can damage your *TRI-LINK* sight or your firearm. Modification of *TRI-LINK* beads by anyone other than Mounting Solutions Plus will void all warranties.

*TRI-LINK* products should ***only*** be installed by a competent gunsmith or armorer. Improper installation may result in damage to the sight or weapon, and will void all warranties.

Any alteration or misuse of any *TRI-LINK* product will void any applicable warranties.

***Never*** attempt to install *TRI-LINK* on a weapon, or change a fiber-optic rod, with a cartridge in the chamber. ***Always*** unload the weapon first.

***Never*** point a loaded firearm at anything the customer is not authorized & willing to shoot.

***Always*** carry spare fiber-optic rods. The rods are fragile, and may break during use.

***Always*** avoid potentially lethal situations. *TRI-LINK* products are intended strictly for competition, sporting, and other applications where there is no danger to the user. *TRI-LINK* products are not intended for military, law enforcement, self defense, hunting of dangerous game, or any other application where the user may be placed in harm's way. Use of *TRI-LINK* products in potentially dangerous situations will void all warranties, and will constitute an assumption of the known risks of engaging in such conduct.

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

***IN OTHER WORDS:***  
***USE SOME COMMON SENSE!!!***  
***NEITHER ANY GUNSMITH NOR***  
***MOUNTING SOLUTIONS PLUS***  
***IS RESPONSIBLE FOR***  
***MIS-USE OF THIS PRODUCT.***

## **INSTALLATION INSTRUCTIONS**

*TRI-LINK is a "Gunsmith Only" product.*

*Do not attempt to install this product unless you are qualified to do so.*



1. Detach the barrel & remove the front bead.



2. Clamp the barrel in the mill vise with minimum pressure to prevent crush. Pad & shim the barrel.



3. Level the barrel laterally.

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4. Then level the barrel longitudinally.



5. Measure the width of the rib and divide in half to locate the distance to center.



6. Locate the edge of the rib & move half the rib width (factor in the indicator width) to locate center.

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7. Locate the longitudinal starting point at the center of the existing bead hole. Zero the mill indicators.



8. Drill starter holes at .375" intervals (center to center) forward of the first hole, one hole for each bead the customer wants installed.



9. Lubricate & drill out all starter holes using a #31 bit. Re-drill the original hole if smaller than 6-48. ***Do not drill too deep and drill into the barrel.***



10. Lubricate & use a 6-48 starter tap to hand start all holes, use the mill to ensure the taps are vertical. ***Avoid tapping too deep & denting the barrel.***



11. Finish hand-tapping with a 6-48 bottom tap. ***Avoid tapping too deep & denting the barrel.***



12. Thread in all beads in by hand until each bottoms out. Visually confirm each is at the same height.



13. Back out each bead less than a half turn so all beads are all in alignment with the rib.



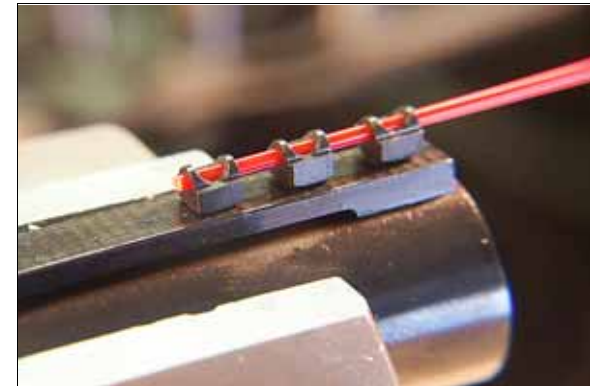
14. Use a length of 1/16th inch drill rod to confirm that all the beads line up correctly. If the bead holes are too tight, carefully run a 1/16th inch drill bit through the hole to de-burr an obstructions.



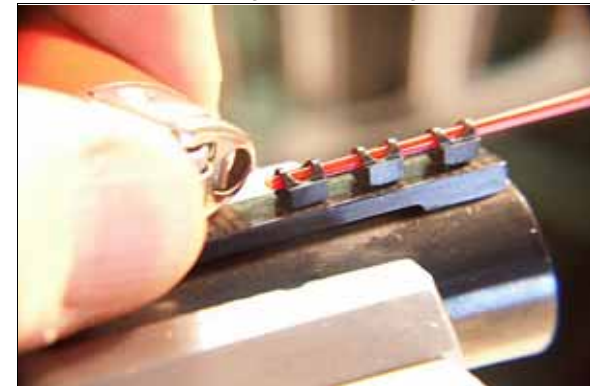
15. In turn, remove each bead, put a small drop of **blue** Lock-tite on the threads, and re-install the bead.



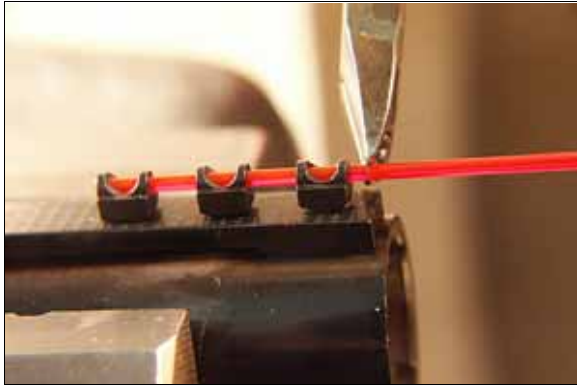
16. Again back off all beads less than a half turn from bottom and re-align all three beads with drill rod. Wait for the Lock-tite to set.



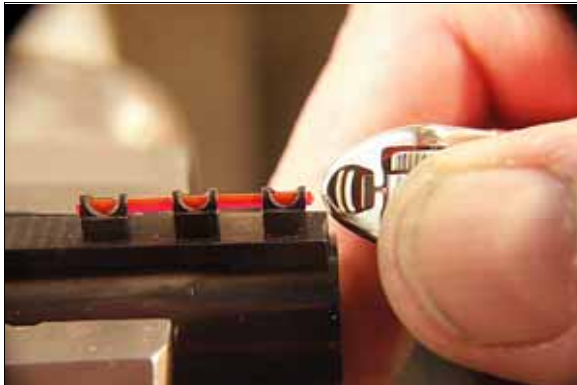
17. Insert the fiber-optic rod choice so that roughly 1/16th inch protrudes past the front bead. The longer the protrusion, the larger the resulting bulb.



18. Briefly touch a lighter to the fiber-optic rod forming the front sight bulb.



19. Use side cutters to trim the fiber-optic rod roughly 1/16th inch past the end of the rear bead.



20. Briefly touch a lighter to the rear of the fiber-optic rod, forming the rear bulb and locking the rod in place between the front and rear beads.



21. ***Installation Is Complete !!!***



To quickly change sight color, cut the rod between the beads, remove the old rod, & repeat steps 17-21 to install a new rod color. Rod change takes about two minutes & requires only a cutter and lighter.



*TRI-LINK* also comes with **green** rod, preferred by some shooters.



*TRI-LINK* also comes with **amber** rod, often preferred on cloudy days.

## WARRANTY AND DISCLAIMER

THERE IS NO WARRANTY, REPRESENTATION OR CONDITION OF ANY KIND FOR *TRI-LINK* 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.*

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*This warranty and disclaimer describes specific legal rights, and you may have other rights which vary from state to state.*

**MOUNTING SOLUTIONS PLUS**



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