

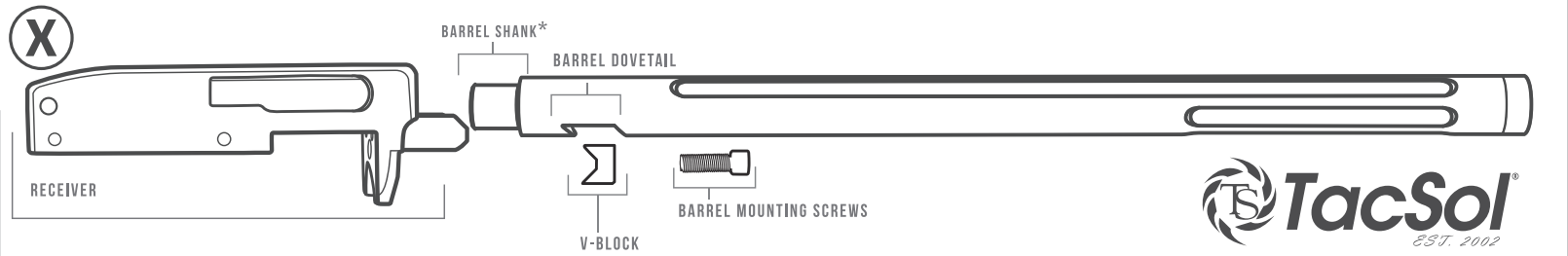
## INSTALLATION INSTRUCTIONS

Thank you for purchasing your new Tactical Solutions barrel. Please follow these instructions for proper installation.

THESE INSTRUCTIONS IN NO WAY SUPERSEDE INFORMATION OR INSTRUCTIONS FROM YOUR GUN MANUFACTURER.

YOUR NEW TACTICAL SOLUTIONS RIFLE BARREL WILL REQUIRE A STOCK THAT IS DESIGNED TO FIT A 0.920" DIAMETER BARREL CHANNEL.

MAKE SURE THAT YOUR GUN IS UNLOADED BEFORE ANY WORK IS STARTED.



**STEP 1) READ THE INSTRUCTIONS AND WARNINGS BEFORE USING THIS PRODUCT** This manual in no way replaces or supersedes information or instructions from your gun manufacturer. In the event of a difference or conflict between your manufacturer's information and information contained herein, the official manufacturer's instructions shall always take precedence. **LOADED WEAPON WARNING** Always make sure your firearm is unloaded before any work is started. Never clean, lubricate, disassemble, reassemble or work on any firearm while it is loaded. Keep all ammunition away from the work area. Eye protection is required when working on any firearm. Keep the muzzle pointed in a safe direction at all times while working on your firearm! When shooting your firearm always wear shooting glasses and hearing protection! **MAKE SURE THAT YOUR GUN IS UNLOADED BEFORE ANY WORK IS STARTED.** After removing your factory 10/22® barrel, please first verify that your new TacSol Performance HD barrel will fit into your receiver. Your new barrel should slide into your Ruger® 10/22® receiver with very little effort. You should NOT have to force your barrel and receiver together [proceed to step 2]. If it does not, you will need to remove some of the material around the barrel shank\* [the shank portion of the barrel has direct surface contact with your receiver, illustrated above], in which case sandpaper will be required for a proper fit.

**FOR OPTIMUM ACCURACY YOUR BARREL AND RECEIVER SHOULD FIT TOGETHER FIRMLY, WITH NO PLAY OR MOVEMENT, AND SHOULD NOT REQUIRE FORCE.** We recommend using a finer grit sandpaper, somewhere in the 200-320 range, using a twisting motion around the barrel shank – similar to sharpening a pencil. You are only trying to remove enough material [i.e. stainless steel from the shank] for the barrel to be inserted fully. Make certain that as you are removing surface material, you are also wiping the shank clean with each test fit. Additionally, light lubricating oil on the barrel shank will help ease the shank into the receiver.

Due to inconsistent tolerance ranges from other receiver manufacturers, some shooters may find their receiver is slightly over-sized from the factory, resulting in a slight amount of play between the barrel and receiver. For the majority of shooters, this will not result in a noticeable loss of accuracy on the range, but in these situations, we strongly recommend using our Performance Barrel Block. The Tac Sol Performance Barrel block is designed to greatly reduce "barrel droop" and provide a firmer clamping force on the barrel's v-notch. This will also help compensate for the over-sized shank hole found on some receivers.

**STEP 2)** With your new barrel inserted into your receiver, replace the Ruger® factory barrel block and screws. We have found that applying a small amount of grease to both the screw threads as well as the mating surface between the top of the barrel block and flat of the barrel will allow for a more uniform tightening and smoother assembly. Be sure to tighten each screw in small increments and one at a time, until you have a secure and tight fit – roughly 18 – 24 inch pounds using a standard hex key, or hand-tight.

**STEP 3)** Insert your reassembled and upgraded barreled action back into your stock [And get to the range!].



### UPGRADES FOR YOUR 10/22® RIFLE



**EMR** X-RING E.M.R.  
EXTENDED MAGAZINE RELEASE\*\*



**X-RING** COMPENSATOR  
1/2" X 28 COMPENSATOR\*\*



**X-RING** .22 LR RECEIVER  
MILLED 6016 ALUMINIUM



**TriMag BY ALANGATOR™**  
TRIPLE MAGAZINE COUPLER



**SCOPE BASE FOR THE 10/22®**  
STANDARD & 15 MOA

For Further Information:  
[TACTICALSOL.COM](http://TACTICALSOL.COM)



- \* COMPATIBLE WITH BOTH THE TACTICAL SOLUTIONS TRIGGER GROUP AND RUGER® 10/22®
- \*\* COMPATIBLE WITH ANY 1/2" X 28 THREADS

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PERFECTING THE FIREARM EXPERIENCE