

**ROTH CONCEPT INNOVATIONS**  
**XRAIL SYSTEM**  
**INSTRUCTIONS & USER MANUAL**



**1103 MODELS**

# **ATTENTION RCI XRAIL USER**

- **READ AND FOLLOW YOUR INSTALLATION INSTRUCTIONS!!!**
- **ALWAYS PRACTICE SAFE FIREARM HANDLING!!! DO NOT POINT GUN AT YOURSELF OR ANYONE ELSE, EVEN WHEN LOADING! KEEP HANDS CLEAR OF BARREL!**
  - **Roth Concept Innovations LLC is not responsible for any accidents/injuries that could occur while mishandling/misusing any of our products or any other unsafe actions performed by user, including but not limited to: unsafe firearm handling.**
- **WHEN LOADING GUN, HAVE SAFETY ON! DO NOT LOAD AMMUNITION IN CHAMBER UNTIL YOU ARE READY TO FIRE.**
  - **IN CASE OF MECHANICAL ISSUES WITH YOUR GUN or RCI Products, REMEMBER TO ALWAYS MAKE YOUR GUN IS SAFE BEFORE ADDRESSING ANY ISSUES (i.e. EMPTY CHAMBER)**
- **DO NOT PULL THE INDEX PIN OR ROTATE CYLINDERS UNLESS THE MAIN TUBE IS FULLY LOADED**
  - **Doing so could damage your XRAIL System main tube spring!**
  - **The pin ONLY needs to be pulled when main tube is full and you want to rotate to first auxiliary tube to continue loading more ammunition; you will rotate to the second and third auxiliary tubes without pulling the pin.**
- **DO NOT OVER-TIGHTEN YOUR XRAIL SYSTEM TO THE BARREL**
  - **Recommended tightness is 16 inch pounds.**
- **All Roth Concept Innovations (“RCI”) products have a 1 year limited warranty. The warranty applies towards defects in materials or workmanship. Any repairs or modifications not done by RCI voids any warranty.**

# ROTH CONCEPT INNOVATION'S XRAIL SYSTEM

*XRAIL System's parts list - Main tube spring not shown*

*Full tubes shown, compact tubes shorter*



*Connecting System*



*Main Tube Follower*



*Main Tube Cap*

*XRAIL System for FNH also include a replacement magazine tube (not shown)*

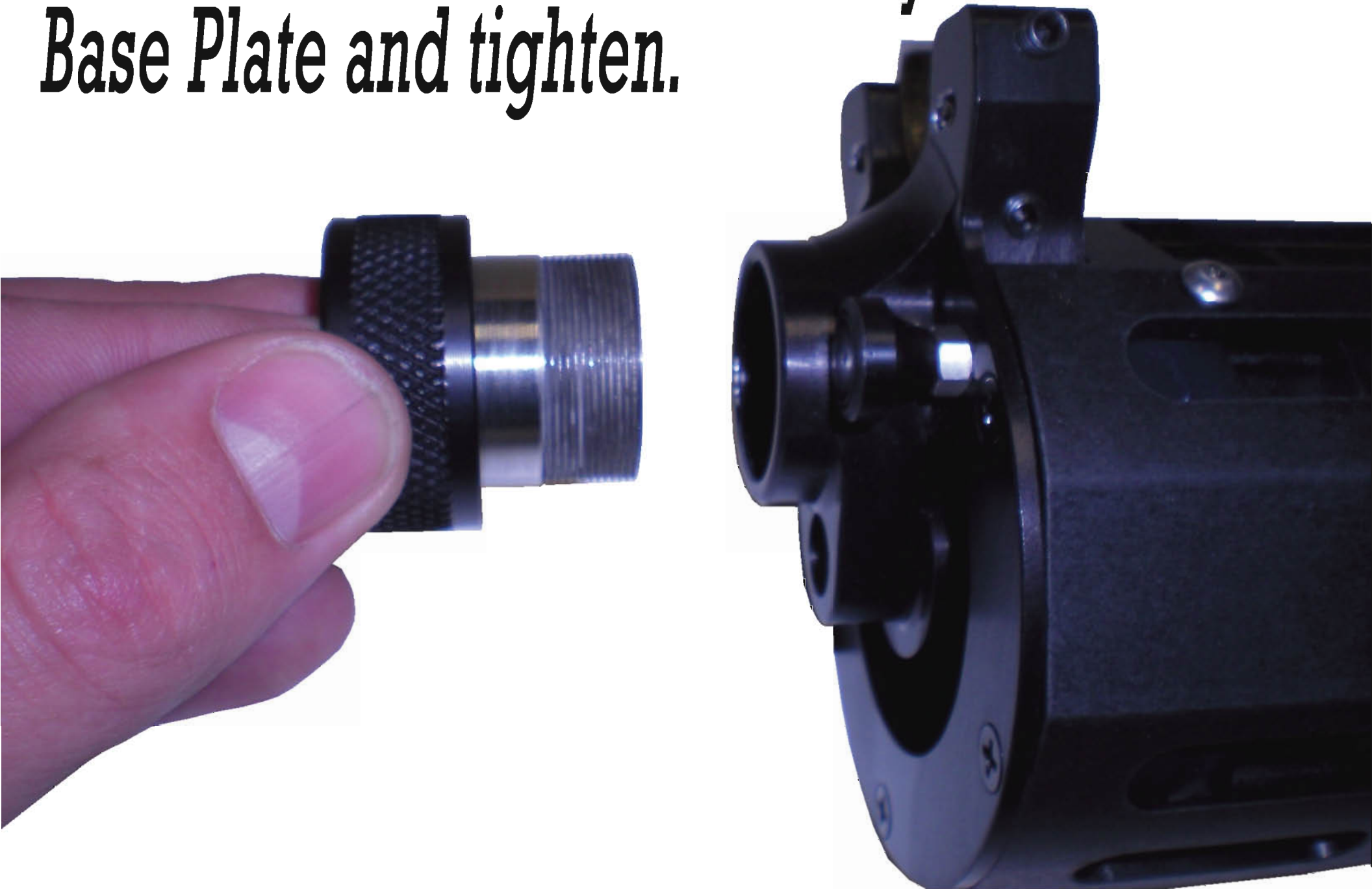
# To install the XRAIL System, start by separating the Barrel Nut from the Connector.

*(NOTE: For the XRAIL System for FNH, need to replace the factory supplied magazine tube on the gun with the RCI supplied magazine tube before proceeding. See Appendix C for instructions.)*



***Thread connector into XRAIL System  
Base Plate and tighten.***

**3**



# Install Barrel Nut on gun and tighten.

**WARNING:** Before doing *ANY* work on any gun, be sure gun is in a safe condition. Check that there is no ammunition either in chamber or in magazine tube. Check to make sure safety is on.



**Be sure to remove gun's original follower, spring, spring plug and spring plug tabs (on some models).**

**Spring plug tabs are metal indents in the gun's magazine tube that hold the spring plug in the tube. Either drill them out and smooth the inside of the tube or use a swage tool.**



*Turn gun upside down, straddle jaw clamps over barrel.*



***Slide XRAIL System towards the Barrel Nut and connect the Connecting System to the Barrel Nut. Tighten.***





***Using 3/32 allen tool,  
tighten top set screws  
so barrel is centered  
in system (tighten to  
to recommended 16  
pound inches).***

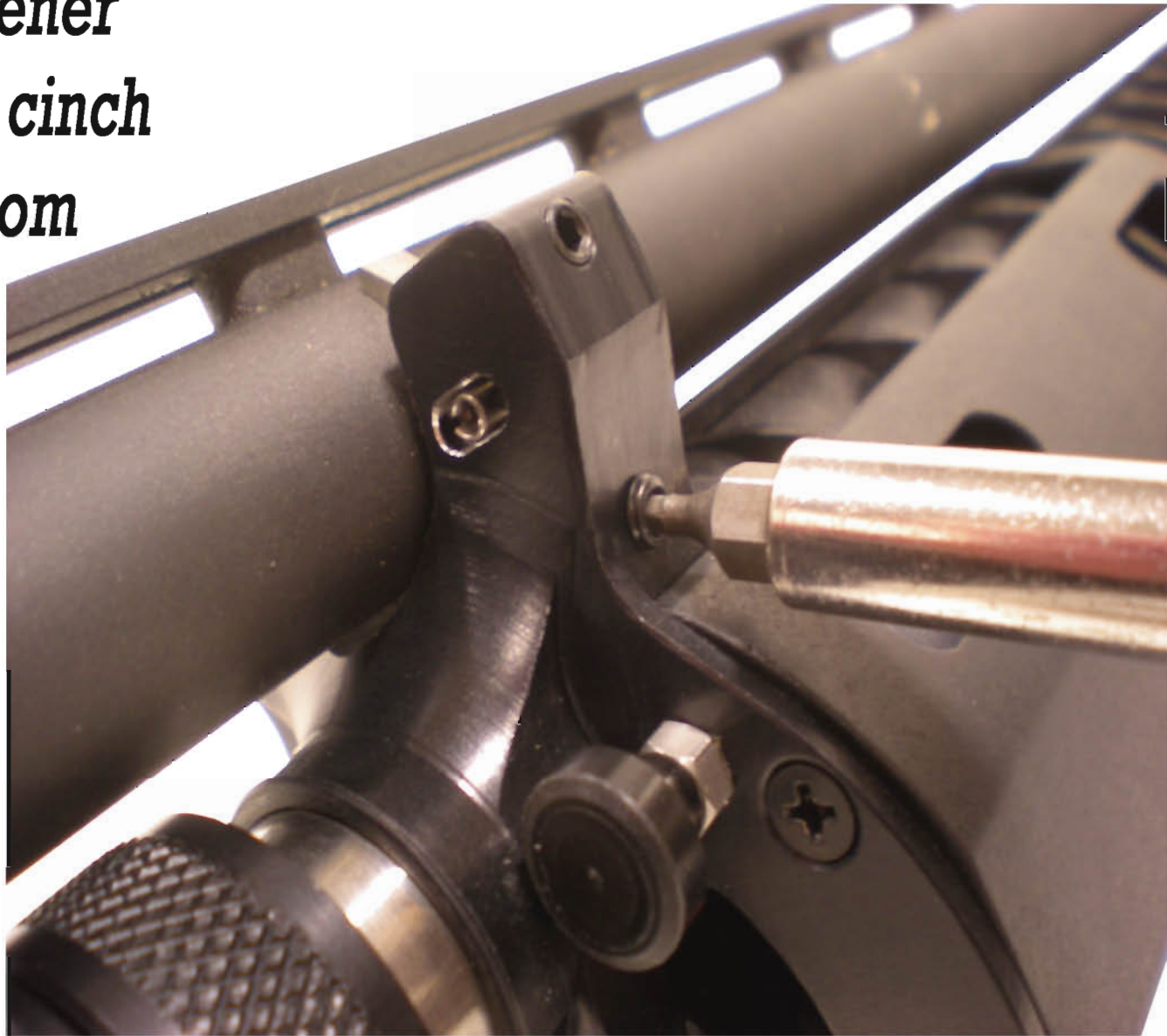
***Too much pressure  
could affect the  
system's performance.***

***As with any fastener,  
applying thread  
tightener is recommended.***



***Apply blue thread tightener to lower set screws and cinch set until set screws bottom out on lower portion of jaw clamps.***

***This step ensures the natural gap between the barrel and the XRAIL System will stay parallel.***



***Insert XRAIL System's Main Tube Follower and Main Tube Spring. Screw on Main Tube Cap.***

***Installation is complete.***



# APPENDIX A

# CHANGING INNER TUBE HOUSINGS





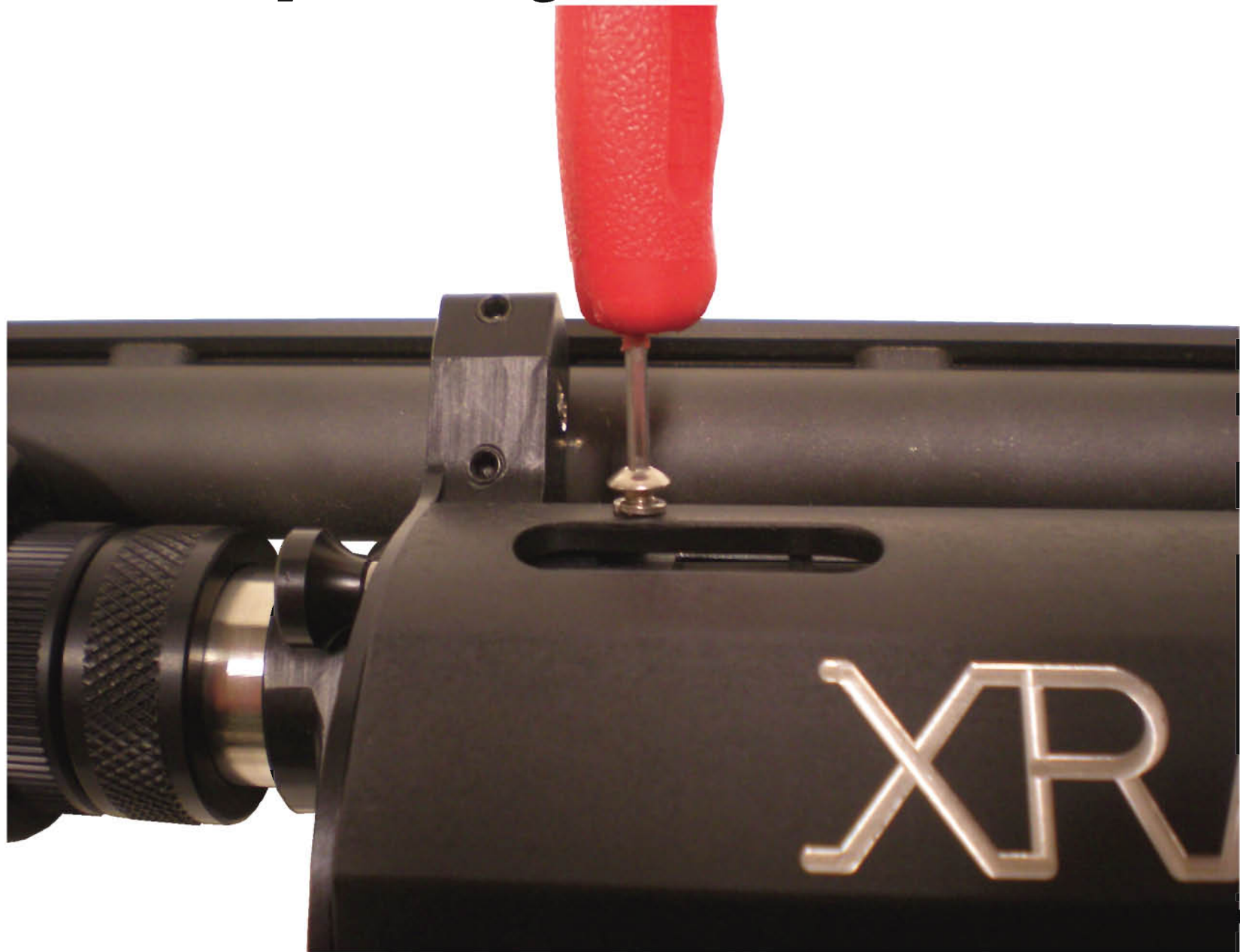
# CHANGING INNER TUBE HOUSINGS



***WARNING: Before doing ANY work on any gun, be sure gun is in a safe condition. Check that there is no ammunition either in chamber or in magazine tube. Check to make sure safety is on.***

***Start by removing Main Tube Cap and Main Tube Spring. **A1*****

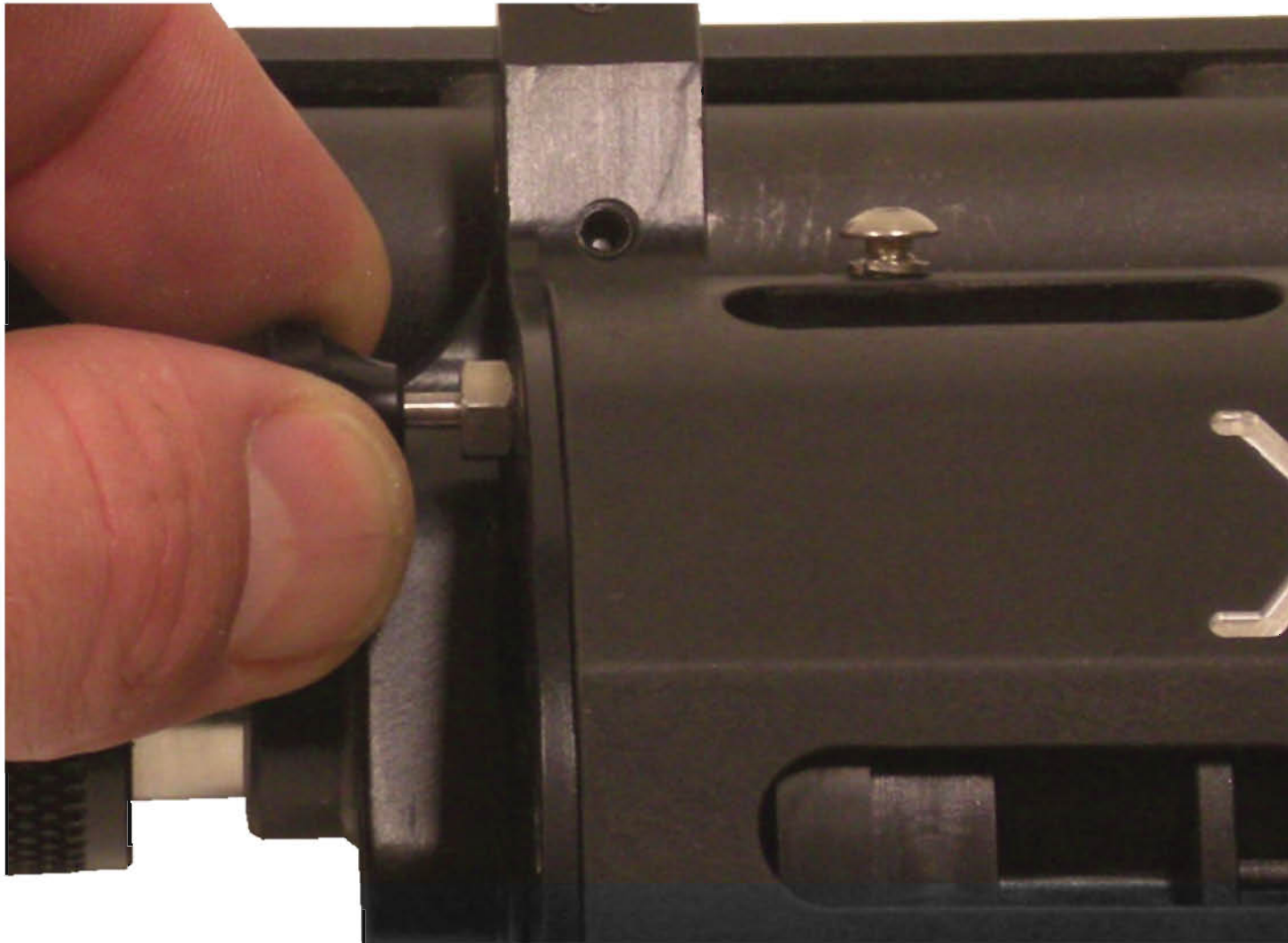
*Loosen tube housing lock screw  
half way using a 5/64 allen tool.*



**A2**



*Pull indexing pin to release preset inner tube housing tension.*



**A3**

***With preset tension relieved, main tube should be in about 3-5 o'clock position when looking at the end of the XRAIL System.***

***Note - the main tube is shown with the cap removed below.***



**A4**

***Remove anchor  
screw at the base  
of XRAIL System.***



***A5***

*Give inner tube housing a firm tug and  
remove it from the outer housing.*



**A6**



*Insert chosen inner tube housing with main tube between the 3-5 o'clock position until the tube's square anchor peg mates with the square female hole of the outer tube housing base plate.*



**A7**

***Re-install anchor  
screw at the base of  
the XRAIL System  
and tighten.***



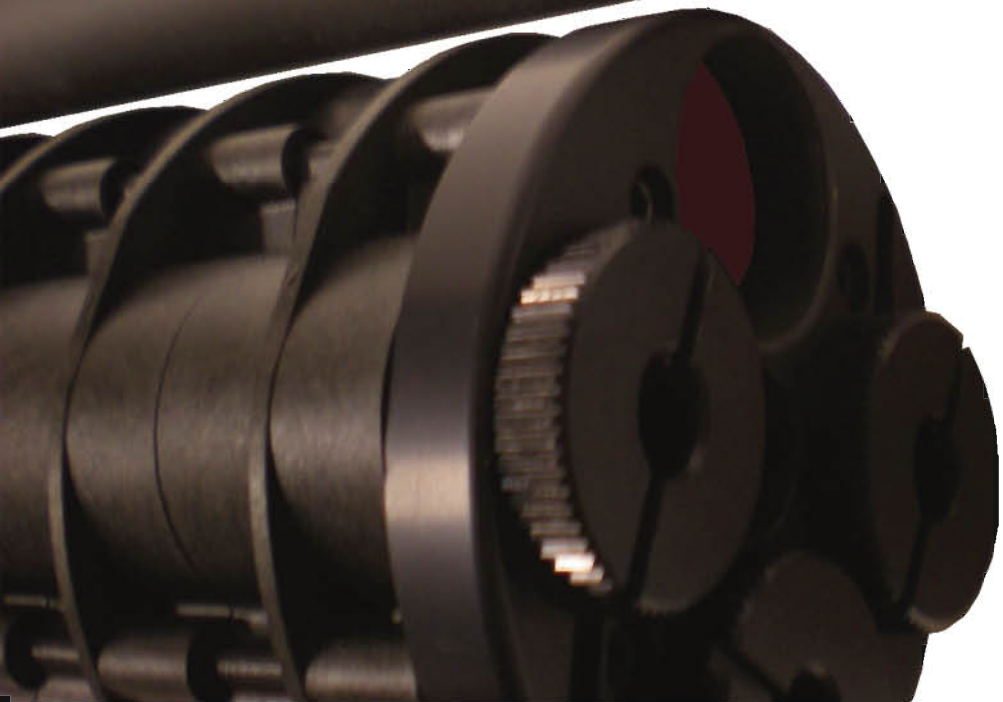
**A8**



*While holding the indexing pin out,*



*rotate tube housing  
clockwise to the  
12 o'clock position.  
Then release pin.*



**A9**

*Re-tighten tube housing lock screw  
using a 5/64 allen tool.*



**A10**

***Insert XRAIL System's Main Tube Follower and Main Tube Spring for selected set of tubes (compact main tube spring is shorter).***

***Then screw on Main Tube Cap.***

***Installation is complete.***



***All***

# APPENDIX B

# LOADING INSTRUCTIONS





# LOADING INSTRUCTIONS

**WARNING: Do NOT load ammunition in the chamber until you are ready to shoot! Make sure gun is safe before starting (safety is on and there is NO ammunition in the chamber).**

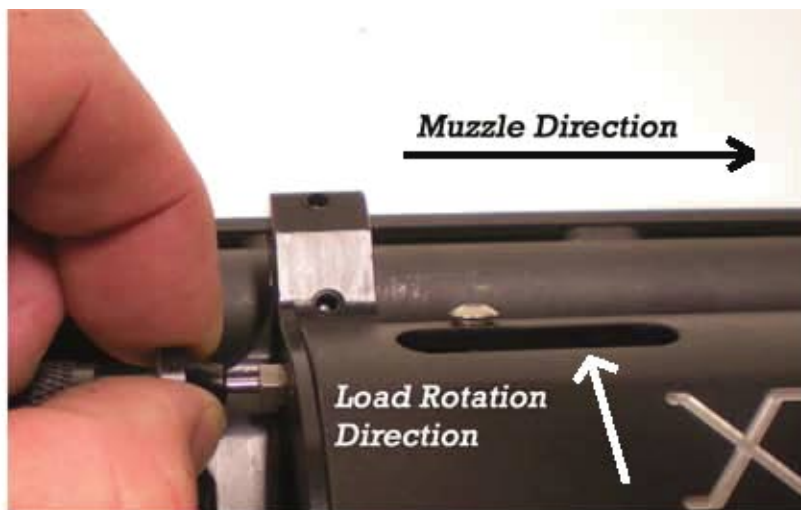
**Start by loading the gun's magazine tube as described in gun's instruction manual until the main magazine tube is full.**

**NOTE: Only 2 3/4" 12 gauge slug, buckshot, or shot load will work if using auxiliary tubes because shells need to split in correct spot to rotate tubes. If only using main tube, any size shells the gun uses will work. RCI recommends using a quality factory load...testing is done with Federal, Remington and Winchester brands.**

Check to see where the split between shells in the main tube is by looking through the port on the base plate of the XRAIL System. If split is too high or too low, XRAIL System will not rotate. Try a different brand of shells.



**B1**



***Pull the indexing pin and rotate tube housing 90 degrees counter clockwise (looking down the barrel). There will be some tension as the shells slide up the indexing ramp of the base plate. **DO NOT** put hand in front of barrel while rotating!***

Load more shells until the first auxiliary tube is full. Then rotate XRAIL tube housing another 90 degrees (no need to pull indexing pin anymore... this is only a safety to prevent a person from rotating the tubes before the main tube is loaded. If rotation is done before main tube is full, there is a risk of ruining the main tube spring and jamming the unit.). Repeat load sequence until auxiliary tubes 2 and 3 are loaded.

**Load is complete. Load ammunition in the chamber only when ready to shoot.**

To unload, whether shooting or cycling the action, auxiliary tubes will rotate automatically until system is empty.

**NOTE: First shell loaded is the last shell fired.**

***B2***



# APPENDIX C

# FNH MAGAZINE TUBE REPLACEMENT



# **FNH MAGAZINE REPLACEMENT**

***WARNING: Before doing ANY work on any gun, be sure gun is in a safe condition. Check that there is no ammunition either in chamber or in magazine tube. Check to make sure safety is on.***

***To take off the factory installed magazine tube on the FNH gun, the first step is to loosen the thread tightener holding the magazine tube to the receiver. Use a generous amount of “liquid wrench” and let soak for at least 1 hour (or overnight). Put receiver in a padded vice and using a quality pipe strap wrench, apply pressure to turn off the FNH magazine tube. If magazine tube does not release, try more liquid wrench as they are usually “glued” in really well. Once magazine tube releases, unscrew from receiver.***

***Next take the gas brass ring off the factory tube and place on new RCI Replacement tube. Then screw in RCI replacement magazine tube. Apply some thread tightener to keep secured.***

***Continue with instructions on step 3.***

***C1***



# CUSTOMER SERVICE AND INFORMATION

**“Roth Concept Innovations thanks you for your business. We hope our products exceed your expectations.”**

## ***Customer Service or Technical Help***

[www.XRAILbyRCI.com](http://www.XRAILbyRCI.com)

[Help@XRAILbyRCI.com](mailto:Help@XRAILbyRCI.com)

920.585.6534

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## **“Remember Always, Think Safety First!”**

# RCI XRAIL WARRANTY

All Roth Concept Innovations ("RCI") products have a 1 year limited warranty. The warranty applies towards defects in materials or workmanship. Any repairs or modifications not done by RCI voids any warranty.

## NOTES:

Date Purchased: \_\_\_\_\_

Purchased From: \_\_\_\_\_

Order Number: \_\_\_\_\_

Product SKU/ Model: \_\_\_\_\_