

PAC-LITE IV TSS

PAC-LITE IV TSS™



INTEGRALLY SUPPRESSED BARREL UPGRADE FOR THE RUGER® MARK IV™ AND MARK IV™ 22/45™ PISTOLS

MANDATORY USE OF FACTORY MANUAL. WARNING: READ ALL 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 GUN IS UNLOADED BEFORE ANY WORK IS STARTED. - NEVER CLEAN, LUBRICATE, DISASSEMBLE, REASSEMBLE OR WORK ON ANY FIREARM WHILE IT IS LOADED. KEEP ALL AMUNITION AWAY FROM THE WORK AREA.

MUZZLE SAFETY WARNING: KEEP THE PISTOL MUZZLE POINTED IN A SAFE DIRECTION AT ALL TIMES WHILE WORKING ON YOUR PISTOL.

Removal of your factory barrel/receiver

Make sure the pistol is pointed in a safe direction and that your finger is off of the trigger. Remove the magazine from the pistol. Grasp the bolt ears, and with the thumb and index finger, pull the bolt fully rearward. Visually verify that there is not a cartridge in the chamber. Release the bolt ears and let the bolt go forward. Press the safety into the "on" position. The safety is in the "on" position when the white dot is completely visible.

Hold the barrel with one hand and the grip frame in the other hand. Use your thumb on the hand that is holding the grip frame to depress the takedown button on the back of the grip frame located just below the bolt ears. Once the button is pressed the barrel can be tilted downward to clear the bolt stop pin so that the barrel/receiver can be removed from the frame. The bolt can now be removed from the barrel / receiver.



Installation of the PAC-LITE IV TSS

Make sure that a magazine is not inserted into the grip frame and that your finger is off of the trigger. Visually confirm that no cartridges have been inserted in the Pac-Lite IV TSS.

Press the safety on the grip frame into the "on" position. The safety is in the "on" position when the white dot is completely visible.

Insert the bolt into the Pac-Lite IV TSS. The recoil spring in the bolt needs to face toward the top of the Pac-Lite IV TSS.

Place the Pac-Lite IV TSS onto the top of the grip frame so the notch in the Pac-Lite IV TSS aligns with the pivot pin in the grip frame.

Rotate the Pac-Lite IV TSS down on the grip frame so that the bolt-stop pin goes through the hole in the Pac-Lite IV TSS.

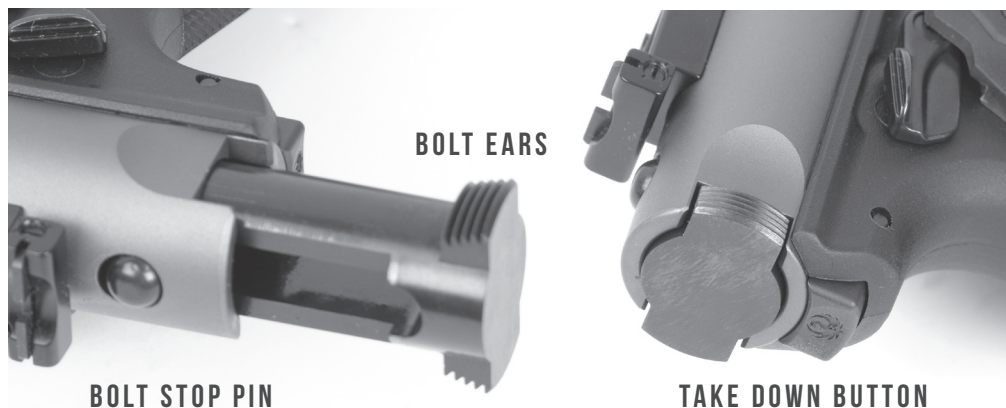
Continue to press down on the Pac-Lite IV TSS until a click is heard. The Pac-Lite IV TSS should now be locked onto the grip frame.

Ensure that the Pac-Lite IV TSS and grip frame cannot be pulled apart and that the Pac-Lite IV TSS is secure.

Insert an empty magazine into the pistol; point the pistol towards a safe direction, press down on the safety so that it is in the "off" position.

The red dot is visible when the safety is in the "off" position. Pull the trigger to uncock the pistol.

Do not store the pistol with it cocked or with it loaded.



USE OF PAC-LITE IV TSS:

The PAC-LITE IV TSS is designed to perform best with .22LR subsonic ammunition and to be used "dry" without any fluids added to the suppressor / baffle assembly. The addition of any fluids to the baffle system prior to firing may damage the baffle components.

DISASSEMBLY OF SUPPRESSOR / BAFFLE ASSEMBLY

Unload firearm; visually and physically check that the chamber is empty and magazine is removed.

- Slide the suppressor wrench over the end cap, aligning the notches on the wrench with the grooves in the end cap. **Disassembly Figure 1** While holding the barrel firmly in one hand, turn the suppressor wrench counter clockwise to unscrew the end cap.
 - Once the end cap is unscrewed and free of the threads, the suppressor assembly can be removed from the PAC-LITE IV TSS body. The complete assembly can now be removed by pulling the end cap away from the barrel body. **Disassembly Figure 2**
- Note: If an excess of carbon has built up within the suppressor / baffle assembly, it will not easily slide out of the barrel body.**

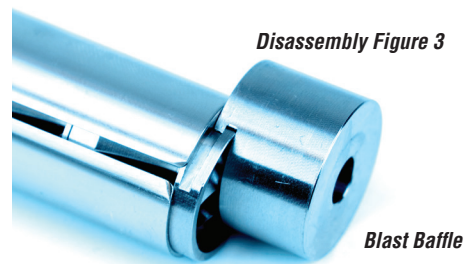
Disassembly Figure 2



- The blast baffle will need to be removed first to begin cleaning. The baffles are fitted together in a dovetail like engagement. Slide the blast baffle away from the assembly in a perpendicular direction to free it from the assembly. **Disassembly Figure 3**
- Next, grasp the sleeve firmly, and with your other hand, pull the end cap and connected baffles out of the split tube until they are free. **Disassembly Figure 4**

The baffles can now be separated for cleaning.

Disassembly Figure 4



CLEANING OF BAFFLE ASSEMBLY

Tactical Solutions recommends frequent cleaning of your baffle assembly. We recommend cleaning your baffle components every 250 rounds for best performance and ease of disassembly. The baffle assembly and its components are machined to very tight tolerances, so it is extremely important to clean any lead fouling and carbon build up on a regular basis.

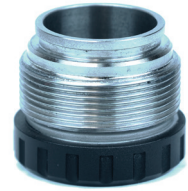
Caution: Use protective eyewear and solvent resistant gloves when cleaning your suppressor. Only use cleaning solvents in well ventilated areas and avoid breathing vapors. Dispose of all chemicals in an environmentally safe manner.

We recommend using mineral spirits to soak all suppressor components [blast baffle, baffles, and split tube] for 12-24 hours at a time. Once the disassembled suppressor components have soaked, we then recommend scrubbing the parts with a nylon brush to remove any remaining carbon. Use a cloth to wipe any residual mineral spirits or debris from the baffle components before assembly. Make sure to clean any residue off of the barrel body, muzzle threads, and end cap threads before inserting the baffle assembly back into the barrel body.

REASSEMBLY STEP 1

- After cleaning the baffle system and its components, start first by placing the end cap face down [with threads facing upward] on your work surface. *Shown at right Reassembly Figure 1*

Reassembly Figure 1



REASSEMBLY STEP 2

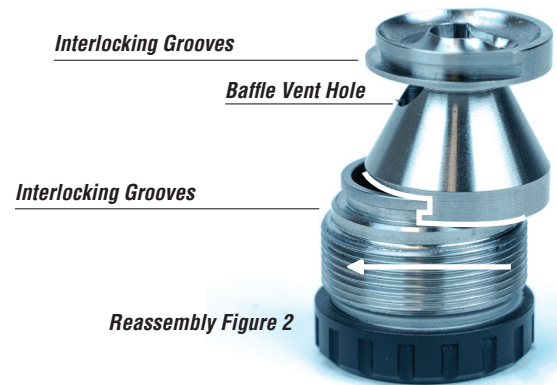
- Next, slide the first baffle onto the end cap, aligning the grooves that interlock the two pieces. *Shown at right Reassembly Figure 2* Note: The location of the baffle vents will alternate from left to right for each additional baffle.

Interlocking Grooves

Baffle Vent Hole

Interlocking Grooves

Reassembly Figure 2



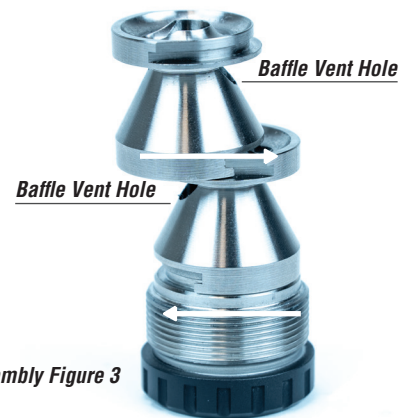
REASSEMBLY STEP 3

- With the next baffle in hand, slide it into the grooves in the first baffle, in the same manner. Note the location of the baffle vents and the direction of the groove alignment. *Shown at right Reassembly Figure 3*
- Repeat this process of aligning and stacking baffles until all 6 baffles are interlocked.

Baffle Vent Hole

Baffle Vent Hole

Reassembly Figure 3



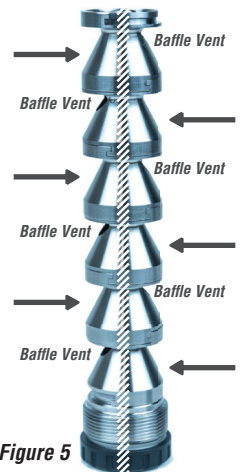
REASSEMBLY STEP 4

- At the right are the assembled baffles stacked prior to the addition of the split tube. *Reassembly Figure 4*
- Next, you will need to align the *split* in the split tube in a perpendicular orientation to that of the baffle vent hole alignment. Note the hash-marked line along the center of *Reassembly Figure 5*, the “split” in the split tube will need to be located there, which will expose a small portion of the baffle stack. DO NOT align the split tube in a way that exposes the baffle vent holes. Slide the split tube down the baffle stack, being careful not to separate baffles.

Reassembly Figure 4



Reassembly Figure 5



REASSEMBLY STEP 5

- When the split tube is properly aligned and fitted, the last baffle will be slightly visible, with its interlocking groove exposed. **Reassembly Figure 6**
- Finally, align and attach the blast baffle to complete the assembly of the suppressor baffle system. Reinsert the baffle / suppressor assembly into the PAC-LITE IV TSS upper and carefully thread the baffle system and upper together until securely tightened. *The endcap threads should be clean of any residue, solvents, etc., prior to tightening.*



Reassembly Figure 6



Reassembly Figure 7

STATE BY STATE FIREARM WARNINGS - IT IS THE USER'S RESPONSIBILITY TO KNOW AND ABIDE BY THEIR STATE'S FIREARM WARNINGS

CALIFORNIA: "Children are attracted to and can operate firearms that can cause severe injuries or death. Prevent child access by always keeping guns locked away and unloaded when not in use. If you keep a loaded firearm where a child obtains and improperly uses it, you can be fined and sent to prison!" **ADVERTENCIA** "A los niños los atraen las armas de fuego y las pueden hacer funcionar. Ellos pueden causarse lesiones graves y la muerte. Evite que los niños tengan acceso a las armas de fuego guardándolas siempre con no las esté utilizando. Si usted tiene un arma de fuego cargada en un lugar en que un niño tiene acceso a ella y la usa indebidamente, le pueden dar una multa o enviarlo a la cárcel." **CONNECTICUT:** "Unlawful storage of a loaded firearm may result in imprisonment or fine." **FLORIDA:** It is unlawful, and punishable by imprisonment and fine, for any adult to store or leave a firearm in any place within the reach or easy access of a minor under 18 years of age or to knowingly sell or otherwise transfer ownership or possession of a firearm to a minor or a person of unsound mind." **MAINE:** Endangering the welfare of a child is a crime. If you leave a firearm and ammunition within easy access of a child, you may be subject to a fine, imprisonment or both. Keep firearms and ammunition separate. Keep firearms and ammunition locked up. Use trigger locks! **MARYLAND:** "WARNING: Children can operate firearms which can cause death or serious injury. It is a CRIME to store or leave a loaded firearm in any location where an individual knew or should have known that an unsupervised minor would gain access to the firearm. Store your firearms responsibly!" **MASSACHUSETTS:** "WARNING FROM THE MASSACHUSETTS ATTORNEY GENERAL: This Handgun is not equipped with a device that fully blocks use by unauthorized users. More than 200,000 firearms like this one are stolen from their owners every year in the United States. In addition, there are more than a thousand suicides each year by younger children and teenagers who get access to firearms. Hundreds more die from accidental discharge. It is likely that many more children sustain serious wounds, or inflict such wounds accidentally on others. In order to limit the chance of such misuse, it is imperative that you keep this weapon locked in a secure place and take other steps necessary to limit the possibility of theft or accident. Failure to take reasonable preventive steps may result in innocent lives being lost, and in some circumstances may result in your liability for these deaths." "It is unlawful to store or keep a firearm, rifle, shotgun or machine gun in any place unless that weapon is equipped with a tamper-resistant safety device or is stored or kept in a securely locked container!" **NEW JERSEY:** "It is a criminal offense to leave a loaded firearm within easy access of a minor." **NORTH CAROLINA:** "It is unlawful to store or leave a firearm that can be discharged in a manner that a reasonable person should know is accessible to a minor." **TEXAS:** "It is unlawful to store, transport, or abandon an unsecured firearm in a place where children are likely to be and can obtain access to the firearm." **WISCONSIN:** "If you leave a loaded firearm within the reach or easy access of a child you may be fined or imprisoned or both if the child improperly discharges, possesses, or exhibits the firearm." Please check with your licensed retailer or state police for additional warnings which may be required by local law or regulation. Such regulations change constantly, and local authorities are in the best position to advise you on such legal matters



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