

OWNER'S MANUAL: PST SUPPRESSOR

Table of Contents

WELCOME TO POF-USA	2
OVERVIEW.....	2
LIABILITY, LAWFUL USE, AND POSSESSION	3
FIREARM SAFETY RULES	4
INSTALLATION & REMOVAL.....	5
Direct Thread Mounting.....	5
Quick Detach HUB Mounting.....	7
Attaching a PST-QD Muzzle Device To A Barrel.....	8
Changing PST HUB Mounts.....	10
Changing PST End Caps.....	11
DISASSEMBLY AND CLEANING.....	12
WARRANTY POLICIES.....	13

Read this manual in its entirety before attempting to operate your POF-USA Suppressor.



OWNER'S MANUAL: PST SUPPRESSOR

WELCOME TO POF-USA

Patriot Ordnance Factory, Inc. (POF-USA) is an American owned and operated small business with facilities headquartered in Phoenix, Arizona. All POF-USA suppressors and firearms are American made and are engineered and tested to assure they meet the highest standards of durability and performance. We have invested in America because we believe in America.

Thank you for your purchase and furthering our American dream.

OVERVIEW

The POF-USA PST lineup is a series of monolithic, titanium suppressors with a focus on reducing the back pressure on gas-operated weapons. With a three chamber, forward venting design, the PST suppressor reduces excess gas pressure, managing the cyclic rate of the host weapon system. Centerfire editions of the PST lineup feature a HUB mounting system with 1.375-24 threads, allowing for the use of direct thread or quick detach adapters. All PST suppressors feature removable end caps, allowing for easy cleaning and maintenance of the internals.



LIABILITY, LAWFUL USE, AND POSSESSION

This product is classified as an NFA item and is not legal to own or possess in certain jurisdictions. POF-USA does not offer any express or implied promises or affirmations concerning the use, possession, or use of your suppressor. As the responsible owner, it is your responsibility to be aware of any local, state, or federal laws governing the lawful ownership of NFA items. Please check with your local retailer, state police, and local law enforcement for current regulations in your area.

Always maintain a copy of the applicable BATF documents to your NFA item with the item itself. Failure to do so could result in prosecution or confiscation of your NFA items. Visit the NRA website (www.nra.org) or the BATFE website (www.atf.gov) for further information.

This product is sold by POF-USA with the specific understanding that POF-USA shall not be responsible in any manner for malfunctioning of the firearm, physical injury, death, or property damage resulting in whole or in part from:

- Criminal or negligent discharge
- Improper, careless, or abusive handling
- Unauthorized modifications or parts replacement
- Defective, improper, hand-loaded, or reloaded ammunition
- Corrosion
- Neglect
- Other influences beyond our direct and immediate control

This limitation applies regardless of whether liability is asserted on the basis of contract, negligence, or strict liability (including any failure to warn). Under no circumstance shall POF-USA be liable for incidental or consequential damages such as loss of use of property, commercial loss, and loss of earnings or profits.



This product can expose you to chemicals including Cumene which is known to the state of California to cause cancer, and Trichloroethylene which is known to the state of California to cause birth defects and/or other reproductive harm. For more information go to www.P65Warnings.co.gov



Este producto puede exponer a sustancias químicas que incluyen al Cumeno, que el estado de California conoce como causante de cáncer, y el Tricloroetileno, que el estado de California conoce como causante de defectos de nacimiento u otros daños reproductivos. Para obtener más Información, vaya a www.P65Warnings.ca.gov



DISCHARGING FIREARMS IN POORLY VENTILATED AREAS, CLEANING FIREARMS, OR HANDLING AMMUNITION MAY RESULT IN EXPOSURE TO LEAD AND OTHER SUBSTANCES KNOWN TO CAUSE BIRTH DEFECTS, REPRODUCTIVE HARM, AND OTHER SERIOUS PHYSICAL INJURY. MAINTAIN ADEQUATE VENTILATION AT ALL TIMES. WASH HANDS THOROUGHLY AFTER EXPOSURE. SHOOTING OR CLEANING FIREARMS MAY EXPOSE YOU TO LEAD.

FIREARM SAFETY RULES

1. **Treat all firearms as if they are loaded.** Always assume that a firearm is loaded even if you think it is unloaded. Every time a firearm is handled, for any reason, check that it is unloaded. If you are unable to check a firearm to see if it is unloaded, leave it alone and seek help from someone more knowledgeable about firearms.
2. **Keep the firearm pointed in the safest possible direction.** Always be aware of where a firearm is pointing. A "safe direction" is one where an accidental discharge of the firearm will not cause injury or damage. Only point a firearm at an object you intend to shoot. Never point a firearm toward yourself or another person.
3. **Keep your finger off the trigger until you are ready to shoot.** Always keep your finger off the trigger and outside the trigger guard until you are ready to shoot. Even though it may be comfortable to rest your finger on the trigger, it is also unsafe. If you are moving around with your finger on the trigger and stumble or fall, you may inadvertently pull the trigger. Sudden loud noises or movements can result in an accidental discharge because there is a natural tendency to tighten the muscles when startled.
4. **Know your target, its surroundings and beyond.** Check that the areas in front of and behind your target are safe before shooting. Be aware that if the bullet misses or completely passes through the target, it may strike a person or object. Identify the target and make sure it is what you intend to shoot. If you are in doubt, DON'T SHOOT! Never fire at a target that is only a movement, color, sound, or unidentifiable shape. Be aware of all the people around you before you shoot.
5. **Know how to properly operate your firearm.** It is important to become thoroughly familiar with your firearm. You should know its mechanical characteristics including how to properly load, unload and clear a malfunction from your firearm. Obviously, not all firearms are mechanically the same. Never assume that what applies to one make or model is applicable to another. You should direct questions regarding the operation of your firearm to your firearms dealer, or contact the manufacturer directly.
6. **Store your firearm safely and securely to prevent unauthorized use.** Firearms and ammunition should be stored separately. When the firearm is not in your hands, you must still consider safety. Use a safety device on the firearm, such as a trigger lock or cable lock, so it cannot be fired. Store it unloaded in a locked container, such as a lock box or a firearm safe. Store your firearm in a different location than the ammunition. For maximum safety, you should use both a locking device and a storage container.
7. **Never use Alcohol, Over the Counter, Prescription, or other drugs before or while handling a firearm.** These substances are likely to impair normal mental or physical bodily functions and must not be used before or while handling or shooting firearms.



INSTALLATION & REMOVAL

WARNING: FOLLOW ALL FIREARM SAFETY RULES AND ENSURE THE FIREARM IS SAFE AND CLEAR OF ANY AMMUNITION BEFORE HANDLING. CONSULT THE OWNER'S MANUAL OF YOUR FIREARM PRIOR TO INSTALLING THE SUPPRESSOR.

The POF-USA PST suppressor is equipped with a 1-3/8 X 24 TPI threads for varying HUB mounts. Depending on the variant purchased, your PST will be equipped with either a direct thread adapter, or a HUB compatible with a PST Quick Detach (PST-QD) muzzle device. The following chapters will entail the variances in mounting a PST suppressor with either of these devices.

When mounting a suppressor, it is important to ensure the concentricity of the suppressor's bore axis to that of the weapon's barrel. Confirm concentricity with the appropriate suppressor alignment rod prior to use. Be sure to clean all components regularly, as debris or carbon build-up on mating surfaces may cause misalignment of the suppressor.

Direct Thread Mounting

Direct thread mounts will use threads compatible with industry standard muzzle threads. Confirm thread compatibility between the selected firearm and suppressor by consulting the packaging of the suppressor and owner's manual of the firearm. Standard threads include (but are not limited to):

5/8 X 24 – commonly used for .30 caliber, 7mm, 6.5mm, and 6mm caliber weapons.

1/2 X 28 – commonly used for .22 caliber and 9mm caliber weapons

.578 X 28 – commonly used for .45 caliber handguns.

Always confirm thread compatibility between the suppressor and its host.

To attach a direct thread suppressor, simply thread the suppressor directly onto muzzle threads, seating the end of the suppressor against the shoulder with moderate force by hand. DO NOT use any wrench or lever bar to tighten the suppressor against the barrel. Do not use any crush washers or locknuts that would impede the suppressor from banking against the shoulder of the barrel.

To remove, rotate the suppressor in the opposite direction and unthread it from the muzzle threads. Due to thermal expansion and carbon build-up, removal of the suppressor may require more force. If necessary, a 3/4" wrench can be used on the rear of the suppressor to break it free.



OWNER'S MANUAL: PST SUPPRESSOR



Fitment of the threads should be smooth and uninterrupted. If any significant resistance is felt when threading on the suppressor, stop and inspect the threaded surfaces. Excess dirt, gunpowder, or carbon build-up can interfere with the threaded surfaces. Clean both internal and external threads regularly to promote the longevity of the suppressor.

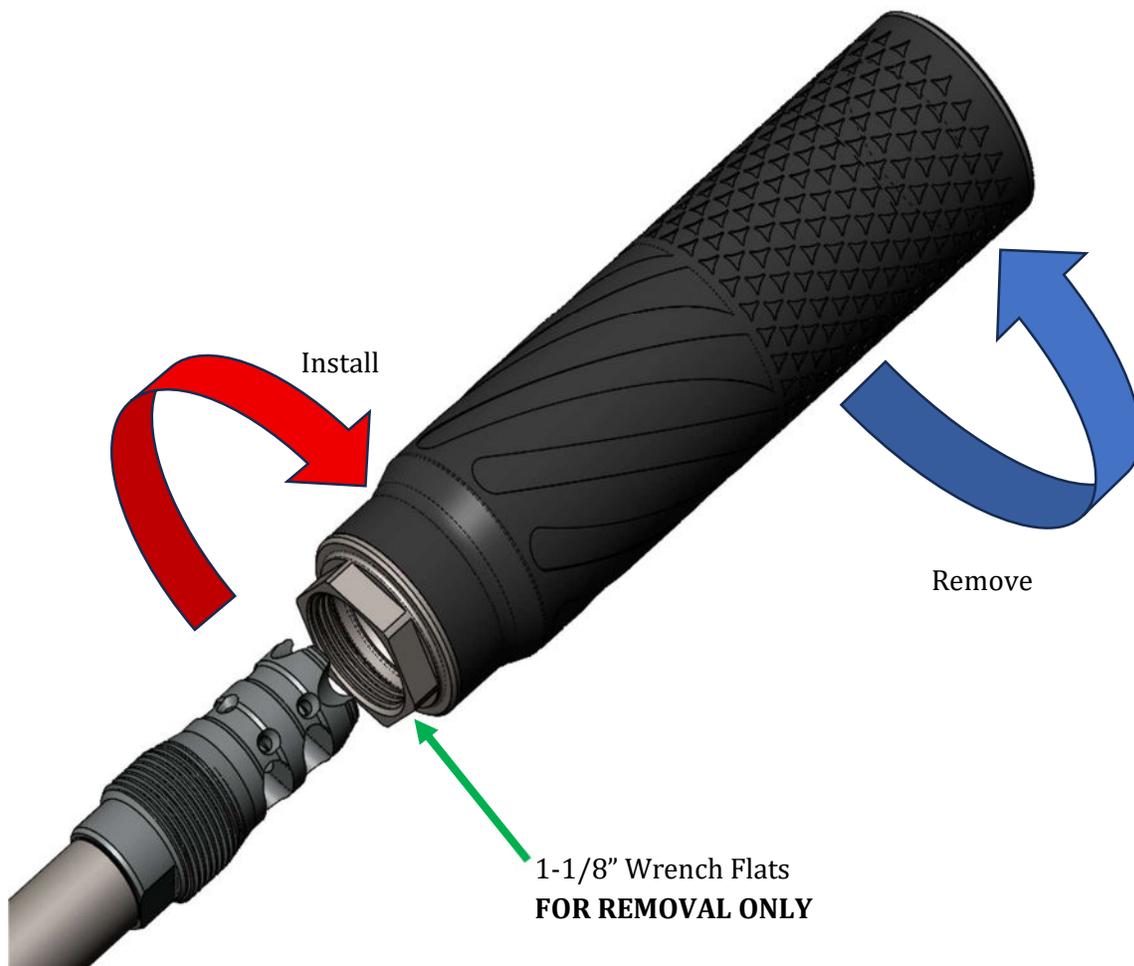
IF THE SUPPRESSOR WILL NOT THREAD SMOOTHLY ONTO A BARREL, STOP AND INSPECT THE SUPPRESSOR AND BARREL. IF A CAUSE OF MALFUNCTION CAN NOT BE DETERMINED, BRING THE PRODUCTS TO YOUR LOCAL POF-USA APPROVED GUNSMITH OR CONTACT OUR SUPPORT TEAM AT (623) 561-9572 OR TECHNICAL@POF-USA.COM. DIRT, DEBRIS, OR CROSS THREADING CAN MISALIGN THE SUPPRESSOR AND CAUSE A BAFFLE STRIKE.

ALWAYS CONFIRM BORE CONCENTRICITY BEFORE USING THE SUPPRESSOR.

Quick Detach HUB Mounting

Quick detach mounts use left-handed threads to maintain tightness between the weapon's barrel, muzzle device, and suppressor. To attach the suppressor with the quick-detach HUB, thread the suppressor onto the muzzle device, rotating counterclockwise (If looking down the bore from the muzzle end) until it seats against the tapered surface on the muzzle device. Only use moderate hand force, DO NOT use any wrench or lever bar to tighten the suppressor against the muzzle device. Apply a thin film of lube or high-temperature grease to the threads and taper of the muzzle device before mounting to assist in the removal of the suppressor after shooting.

To remove, rotate the suppressor in the opposite direction and unthread it from the muzzle threads. Due to thermal expansion and carbon build-up, removal of the suppressor may require more force. If necessary, a 1-1/8" wrench can be used on the rear of the suppressor to break it free.



OWNER'S MANUAL: PST SUPPRESSOR

Fitment of the threads should be smooth and uninterrupted. If any significant resistance is felt when threading on the suppressor, stop and inspect the threaded surfaces. Excess dirt, gunpowder, or carbon build-up can interfere with the threaded surfaces. Clean both internal and external threads regularly to promote the longevity of the suppressor.

IF THE SUPPRESSOR WILL NOT THREAD SMOOTHLY ONTO A MUZZLE DEVICE, STOP AND INSPECT THE SUPPRESSOR AND MUZZLE DEVICE. IF A CAUSE OF MALFUNCTION CAN NOT BE DETERMINED, BRING THE PRODUCTS TO YOUR LOCAL POF-USA APPROVED GUNSMITH OR CONTACT OUR SUPPORT TEAM AT (623) 561-9572 OR TECHNICAL@POF-USA.COM. DIRT, DEBRIS, OR CROSS THREADING CAN MISALIGN THE SUPPRESSOR AND CAUSE A BAFFLE STRIKE.

ALWAYS CONFIRM BORE CONCENTRICITY BEFORE USING THE SUPPRESSOR.

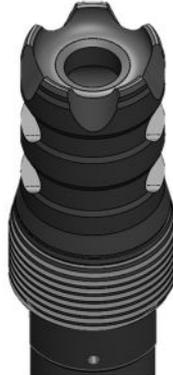
Attaching a PST-QD Muzzle Device To A Barrel

WARNING: Ensure the firearm is safe and clear of any ammunition before attempting to install a PST-QD muzzle device. PST-QD muzzle devices interface with industry standard 90° muzzle thread shoulders and will not interface with tapered shoulders (i.e. select Sig Sauer & Q barrels).

- 1.) Remove any current muzzle device, lock washers, or crush washers from muzzle threads. Ensure the muzzle threads are clean, degreased, and are not deformed.
- 2.) Thread the muzzle device onto the threads by hand until it hits the shoulder of the barrel. Note the alignment of the muzzle device. For proper torque at final installation, the pin & weld hole should be at approximately the 4 O'clock position when tightened by hand. The final, torqued position of the muzzle device should have the pin & weld hole at the 6 O'clock position on the barrel. If the alignment of the hand-tightened muzzle device is correct, proceed to step 5.



Muzzle device with proper pre-torque alignment.



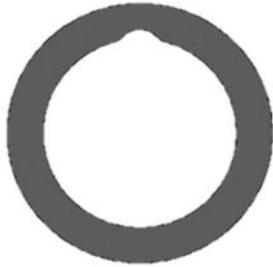
Muzzle device with proper post-torque alignment.



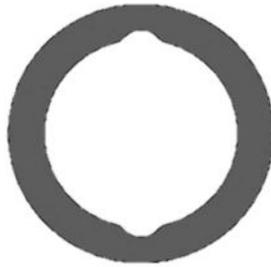
Muzzle device with improper pre-torque alignment. Will require shims.

OWNER'S MANUAL: PST SUPPRESSOR

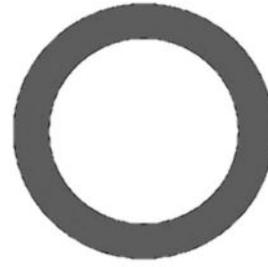
- 3.) If the muzzle device is not close to preliminary alignment, remove the muzzle device and use the included shim kit to drive the muzzle device further away from the shoulder. There are three varying thicknesses of shims included: 4 thin shims (.004" thickness), 5 medium shims (.006" thickness), and one thick shim (.060" thickness). The shims can be identified via the notches on the internal diameter.



Thin Shim, One
Notch (.004") QTY: 4



Medium Shim, Two
Notches (.006") QTY: 5



Thick Shim, No Notches
(.060") QTY: 1

- 4.) Using as few shims as possible, adjust the timing of the muzzle device by adding the shims between the muzzle device and barrel shoulder, checking alignment by threading the muzzle device on by hand.
- 5.) Once the pin & weld hole of the muzzle device aligns at the 4 O'clock position at hand tightness, use a $\frac{3}{4}$ " wrench to torque the muzzle device to the final, 6 O'clock position.

For extreme use, POF-USA recommends the use of Rocksett on the threads prior to final torquing. Loctite should not be used due to its low temperature resistance.

OWNER'S MANUAL: PST SUPPRESSOR

Changing PST HUB Mounts

With the suppressor removed from the weapon, use a $\frac{3}{4}$ " wrench to remove the direct thread HUB mount, or a 1-1/8" wrench to remove the Quick Detach HUB mount. HUB mounts are standard threaded and will be removed by rotating counterclockwise. Do not attempt to change PST HUB mounts with the suppressor mounted to a weapon.

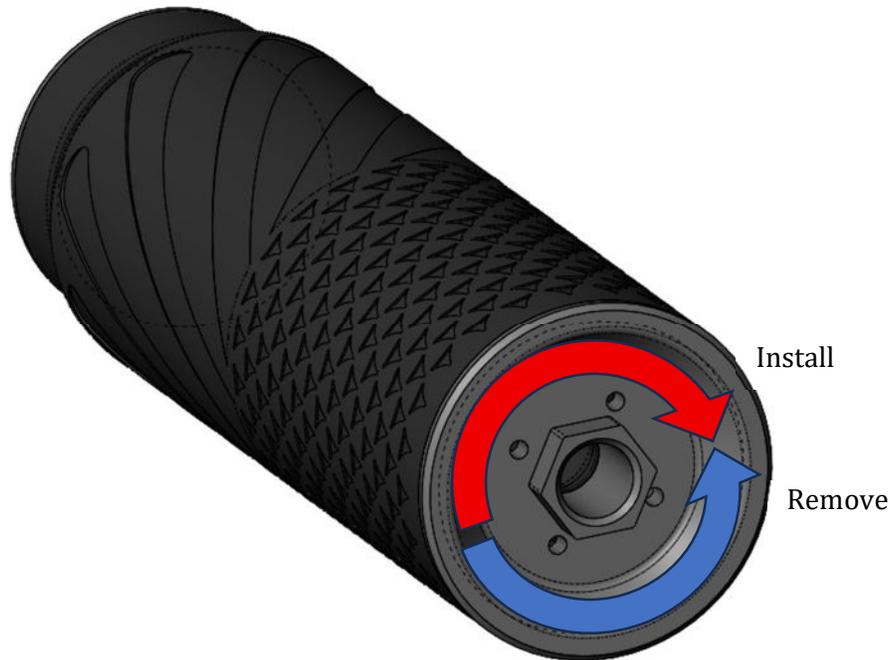
To install a HUB mount, ensure the threaded surfaces on the HUB mount and the suppressor are clean and degreased. Use a $\frac{3}{4}$ " wrench on a direct thread HUB mount, or a 1-1/8" wrench on a quick detach HUB mount, and rotate it clockwise into the suppressor. Torque the HUB mount to 22-27 FT-LBS.



IF THE HUB MOUNT WILL NOT THREAD SMOOTHLY INTO THE SUPPRESSOR, STOP AND INSPECT BOTH THREADED SURFACES. IF A CAUSE OF MALFUNCTION CAN NOT BE DETERMINED, BRING THE PRODUCTS TO YOUR LOCAL POF-USA APPROVED GUNSMITH OR CONTACT OUR SUPPORT TEAM AT (623) 561-9572 OR TECHNICAL@POF-USA.COM. DIRT, DEBRIS, OR CROSS THREADING CAN MISALIGN THE SUPPRESSOR AND CAUSE A BAFFLE STRIKE.

Changing PST End Caps

To change the end cap of a PST suppressor, use a ½" wrench and rotate counterclockwise to remove the existing end cap. Clean and degrease the threads of both the suppressor and the new end cap. Thread the new end cap into the suppressor, and torque to 15-20 FT-LBS. Do not attempt to change PST end caps with the suppressor mounted to a weapon.



IF THE END CAP WILL NOT THREAD SMOOTHLY INTO THE SUPPRESSOR, STOP AND INSPECT BOTH THREADED SURFACES. IF A CAUSE OF MALFUNCTION CAN NOT BE DETERMINED, BRING THE PRODUCTS TO YOUR LOCAL POF-USA APPROVED GUNSMITH OR CONTACT OUR SUPPORT TEAM AT (623) 561-9572 OR TECHNICAL@POF-USA.COM. DIRT, DEBRIS, OR CROSS THREADING CAN MISALIGN THE SUPPRESSOR AND CAUSE A BAFFLE STRIKE.

DISASSEMBLY AND CLEANING

After every 1000 rounds or whenever your suppressor has been exposed to extreme conditions, disassemble and clean the suppressor and accessories using the techniques shown in the video that can be viewed here: <http://pof-usa.com/technical-support/>

Before starting disassembly, remove the suppressor from its host weapon. DO NOT attempt to disassemble the suppressor while it is attached to a weapon.

- 1.) Remove the end cap with an appropriately sized wrench, rotating counterclockwise.
- 2.) Remove the HUB mount with either a ¾" or 1-1/8" wrench, rotating it counterclockwise.
- 3.) Remove all carbon build up with cleaning solvent and brushes. Especially difficult residue may require the use of a brass scraping tool. Do not use steel tools, as this may damage the surfaces of the suppressor.
- 4.) Once cleaned to a satisfactory level, stand the suppressor up on end, HUB threads down, to allow excess solvent to drain from internal cavity of the suppressor.
- 5.) Once drained, reassemble the HUB mount and end cap to the suppressor, taking care to degrease the threaded surfaces. Torque the HUB mount to 22-27 FT-LBS, and the end cap to 15-20 FT-LBS.

The use of an ultrasonic cleaner is highly recommended for cleaning a PST suppressor.

- Use only cleaning products specifically designed for use on suppressors.
- Follow all manufacturers' instructions and cautions when using cleaning products.
- Carbon buildup must be removed from all mating surfaces to prevent misalignment of the suppressor.

WARRANTY POLICIES

All POF-USA products are manufactured using the finest quality materials and have a limited lifetime warranty. All POF-USA firearms and suppressors are warranted to be free from defective materials and workmanship. POF-USA will repair or replace only those parts as determined to be defective by the factory. This warranty is limited and does not extend to careless handling, abuse and misuse, unauthorized adjustments or modifications, use of improper ammunition, excessive or unreasonable use, rust or corrosion, or barrel obstruction.

Altering or modifying parts is dangerous and will void the warranty. Your POF-USA suppressor was manufactured to perform properly with the original parts as designed. It is your responsibility to make sure any parts you install are made for this firearm, installed correctly, and that neither the originals nor the replacement parts are altered or changed. Putting your firearm or suppressor together improperly or with incorrect or modified parts can result in a damaged product, serious personal injury, or death to you and/or others through malfunction. Always have a qualified armorer or gunsmith work on your POF-USA firearms and suppressors.

Shipping to and from POF-USA facilities, government fees, damages caused by failure to perform normal maintenance, sales outside the United States, damages due to high velocity, high pressure, reloaded, remanufactured, or other non-standard ammunition, consequential or incidental damages and /or expenses, any unauthorized repair, modification, misuse, abuse, or alteration of the product is not covered by this warranty.

It is the responsibility of the owner to ensure that the suppressor is properly maintained.

To help us assist you better, please register your suppressor through our Warranty Registration online form below. Warranty is established by registering online at:

<https://www.pof-usa.com/warranty-registration/>

For further technical assistance or to obtain warranty information on your POF-USA suppressor, email technical support at technical@pof-usa.com.

Customers pay shipping when returning a product to POF-USA. POF-USA will pay return shipping charges for warranty repaired products to customers.

