

## 8.2 ARMORER LEVEL CLEANING PROCEDURES

**Note:** Extensive cleaning of the SureFire SOCOM50-SPS suppressor is optional and not required.

1. Place suppressor, muzzle down, in a container that will hold liquid.
2. Fill container with CLR® cleaner while making sure to stop just before the suppressor locking ring comes into contact with the cleaner.

### **⚠ WARNING**

Be sure the locking ring is not submerged in the CLR cleaner to avoid discoloration of the ionbond coating on the lock ring.

3. Let the suppressor soak in CLR cleaner undisturbed for 24 hours.
4. Remove the suppressor from the CLR cleaner and rinse.
5. Brush the attachment areas of the suppressor with water to remove any carbon buildup.
6. Rinse the suppressor in clean water after brushing.
7. Fire 5-10 rounds of live ammunition through the suppressor to expel loosened carbon in the sealed section of the suppressor.
8. Process can be repeated annually or every 1,000 rounds if desired.

## 8.3 LUBRICATION

SureFire suppressors are manufactured with a permanent dry lubricant on the lock ring and require no additional lubrication. Any weapons-grade oil may be used in addition to the dry lubricant to facilitate smooth rotation of the lock ring.

## 9. DEMIL PROCEDURES

Silencers/suppressors/mufflers are deemed code "D" items. The preferred method of DEMIL for items assigned code "D" is smelting. Silencers/suppressors/mufflers shall be demilitarized by smelting, breaking, shearing, crushing, deep water dumping, or cutting utilizing a cutting tip that minimally displaces 1/2 inch of metal, or crushed to the extent necessary to preclude restoration to a usable condition. At least three cuts shall be made with at least one cut through the back section/lock ring area. The back section/lock ring area cut shall be at least one wall thickness of the outer tube and shall cut through the entire length of the back section. Cuts shall be made completely through the tube forward of the back section/lock ring area. Shearing, crushing, deep water dumping, or smelting may be utilized when such methods of DEMIL are deemed cost effective or practicable and when authorized by the appropriate authority or the DoD DEMIL Program Manager (DDPM).

## 10. WARRANTY

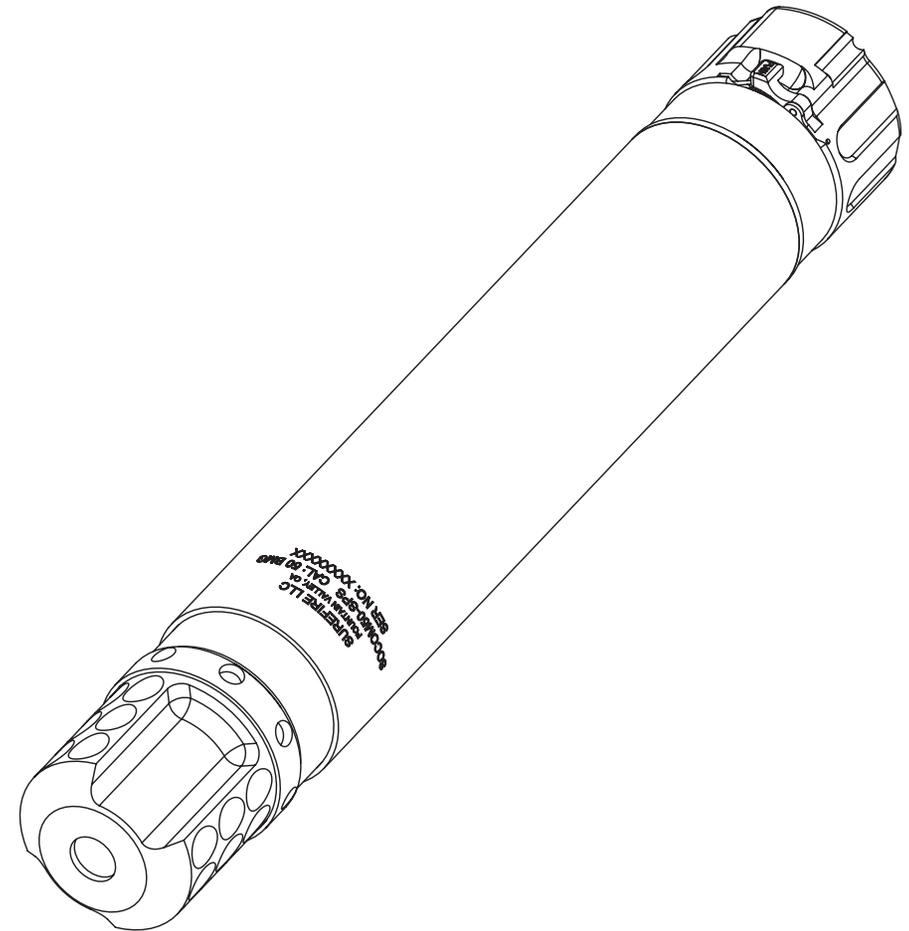
SureFire warrants our suppressors and suppressor-related products to be free from defects in workmanship and materials for the lifetime of the original owner. We will repair, replace or refund your original purchase price of a product if it is determined by SureFire to be defective. This warranty does not cover normal wear and tear, damage to the suppressor resulting in whole or in part from unauthorized repairs, unstable or non-SAAMI/NATO specification ammunition, abuse, misuse or neglect. Unwarranted repairs to the suppressor, including but not limited to core rebuilds, made necessary by any of these factors will be invoiced to the owner who will be given the right to approve such work before it commences. BSDs and BFAs are designed to be used with blank ammunition only. Any damage due to live fired rounds is not covered by this warranty and cannot be repaired. SureFire assumes no responsibility whatsoever and will honor no claims for damages, regardless of nature, for physical injury or property damage resulting from careless and/or irresponsible handling, adjustments to the suppressor and/or suppressor related products, neglect or abuse.

### DISCLAIMER

The above warranties are exclusive, and to the extent permitted by applicable laws, shall be in lieu of all other warranties, expressed or implied, including, without limitation, any warranty of merchantability or fitness for a particular use or purpose. SureFire disclaims any and all liability for product malfunctions, physical injuries, or property damage that result in whole, or in part, from the criminal, negligent, or improper use of the product: and/or from modifications or alterations thereto. In no event shall SureFire be liable for any incidental, special, or consequential damages relating to the purchase, use, or performance of any SureFire product.

### WARRANTY CLAIMS

For repair or replacement email Technical Support at [technicalsupport@surefire.com](mailto:technicalsupport@surefire.com) or contact Customer Service at 800-828-8809 (toll free) or 714-545-9444 and obtain a Return Merchandise Authorization number (RMA#). An initial request for RMA can also be submitted through the link on [www.surefire.com](http://www.surefire.com). You may be supplied with additional shipping instructions specific to the product being returned. Package the unit carefully and in accordance with all instructions then return to the mailing address provided (no CODs please). SureFire will pay any reasonable shipping costs to return the unit to you. ©2019 SureFire, LLC. All rights reserved.



## SOCOM50-SPS FAST-ATTACH® SOUND SUPPRESSOR SYSTEM

Revision C 7-2020

71-01-1088

SOCOM50-SPS

DOPSR REF# 20-S-1556



18300 MT. BALDY CIRCLE  
FOUNTAIN VALLEY, CA 92708-6122  
[WWW.SUREFIRE.COM](http://WWW.SUREFIRE.COM)

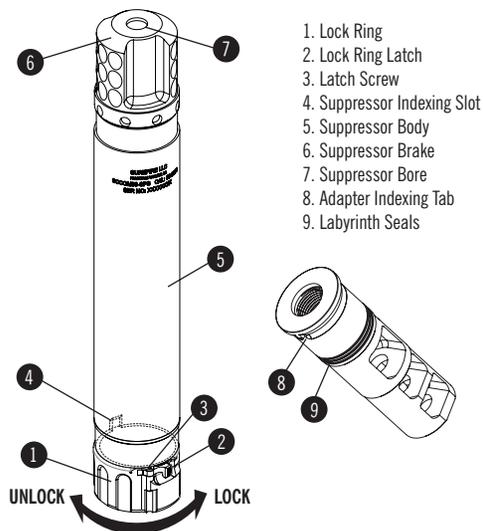
USER MANUAL

## 1. SUREFIRE SOUND SUPPRESSOR SYSTEMS

Using SureFire's expertise in weapon systems, aerospace materials, product testing, and precision manufacturing, our design team built a best-in-class suppressor that incorporates all the key features suppressor users have long sought.

- Accuracy:** Patented Fast-Attach® feature ensures minimal, consistent point-of-impact shift.
- Suppression:** Provide consistent sound, flash and dust signature reduction. Each suppressor is tested to SureFire's exacting standards.
- Durability:** High-temp aerospace alloys and precision manufacturing tolerances provide increased durability.
- Safety:** Constructed using fail-safe baffles that are designed to allow an unbalanced or defective projectile to pass through the baffles so it continues down range.

## 2. PARTS DIAGRAM



## 3. FAST-ATTACH® QUICK REFERENCE

- OPEN:** Depress latch and rotate 1/2 turn counterclockwise to unlock lock ring.
- ATTACH:** Slide suppressor over suppressor adapter.
- SPIN:** Rotate the suppressor counterclockwise until it lines up with the slot and seats onto adapter indexing tab. Rotating the suppressor counterclockwise keeps the lock ring in the open position.
- LOCK:** Tighten lock ring until rotation stops.
- VERIFY:** Attempt to rotate suppressor; only slight rotational movement under tension should be felt. Attempt to remove suppressor by aggressively pulling/twisting suppressor forward. When attached correctly, the suppressor will have no forward movement and minimal rotational movement under tension. Installation of SureFire Fast-Attach sound suppressor is now complete.

### ⚠ WARNING

Failure to fully install the suppressor and properly secure it with the lock ring may cause serious bodily injury or death if fired

## 4. INCLUDED COMPONENTS

- Suppressor
- Suppressor Holster
- User Manual

## 5. SUPPRESSOR ADAPTER INSTALLATION PROCEDURES

### ⚠ WARNING

Confirm that weapon is unloaded and on SAFE (Refer to the user manual provided with the weapon for proper weapon safety features and handling instructions)

1. Remove live ammunition from work area.
2. Ensure firearm is not loaded before performing any work procedures.
3. Practice safe handling of firearms at all times.
4. Refer to your weapon's manual for weapon safety features and handling instructions.

### 5.1 REMOVAL OF FACTORY MUZZLE BRAKE

1. Properly secure host weapon in a vice/fixture.
2. Remove flash hider from barrel of host weapon.
3. Remove and discard any shims/washers present.

**⚠ CAUTION:** Only use spacers and shims supplied by SureFire! Installing any components not supplied by SureFire (crush washer/shim) compromises the suppressor adapter alignment to the host weapon bore. Misalignment of the suppressor adapter may lead to damage or catastrophic failure of the suppressor system.

### 5.2 CLEANING PROCEDURES

1. Use a stiff bristle brush to remove debris from the barrel threads.
2. Wipe remaining residue/debris from the barrel threads with a clean cloth rag and a degreasing solution.
3. Use a clean cotton swab and a degreasing solution (acetone or alcohol is recommended) to remove residue/debris from the flash hider adapter threads.

### 5.3 ADAPTER TIMING

1. Using the appropriate shims as depicted in the timing wheel section in the adapter user manual, ensure that the brake is in the optimal position to torque.
2. Use torque wrench set at 20-30 lb.-ft. to tighten suppressor onto host weapon. Do not torque suppressor adapter beyond 30 lb.-ft. to prevent bore constriction of host weapon.
3. Verify adapter index tab is positioned bottom dead center for optimal installation.
4. Remove adapter for next step.

**Note:** Reference the Timing Wheel Selection Chart (in adapter user manual) for assistance with proper shim selection and installation.

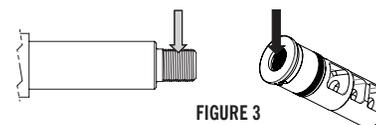


FIGURE 3

### 5.4 PREPARATORY PROCEDURES

1. Apply a thin layer of Rocksett to the barrel threads (gray arrow, FIGURE 3).
2. Apply a thin layer of Rocksett to the flash hider adapter threads with a clean cotton swab (black arrow, FIGURE 3).
3. Repeat steps 1-3 in section 5.3.

**Note:** Do not allow Rocksett to enter bore of host weapon.

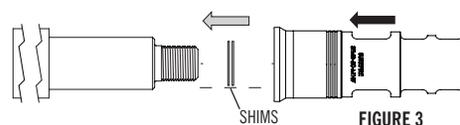


FIGURE 3

## 6. SUPPRESSOR ATTACHMENT PROCEDURES

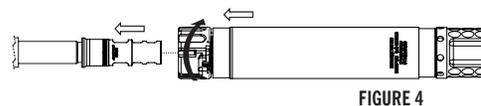


FIGURE 4

1. Depress lock ring latch and hold in the unlocked position.
2. While holding lock ring latch in the unlocked position rotate lock ring to the unlocked position (black arrow above, FIGURE 4).
3. Slide suppressor over (white arrow above) suppressor adapter (FIGURE 4) and rotate counterclockwise until suppressor indexing slot (black arrow below, FIGURE 5) lines up with and seats onto adapter indexing tab (gray arrow below, FIGURE 5).

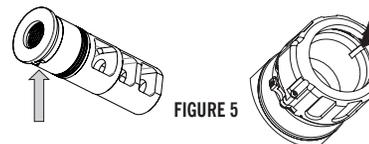


FIGURE 5



FIGURE 6

4. Ensure that suppressor is fully seated onto suppressor adapter.
5. Rotate lock ring to the locked position in the direction indicated by black arrow (FIGURE 6) until it can no longer be rotated.

**Note:** If lock ring does not rotate approximately 180°, verify that suppressor is properly seated on the adapter, then repeat the procedure. Audible clicks should be heard during the attachment process.

6. Firmly grasp suppressor body and pull the suppressor away from the host weapon to ensure that the lock ring is fully engaged.

**Note:** To see a video overview of this attachment process, visit [www.YouTube.com/SureFireHowTo](http://www.YouTube.com/SureFireHowTo)

## 7. SUPPRESSOR REMOVAL PROCEDURES

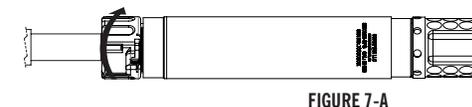


FIGURE 7-A

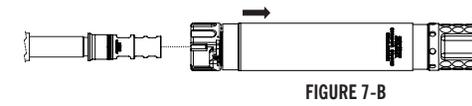


FIGURE 7-B

**⚠ CAUTION:** Do not handle suppressor immediately after it has been used in live-fire operations. Allow suppressor to cool off sufficiently before handling. Surface of the suppressor and host weapon can reach temperatures that will inflict severe burns if handled immediately after live-fire operations!

1. Depress lock ring latch and hold in the unlocked position.
2. While holding lock ring latch in the unlocked position rotate lock ring to the unlocked position (FIGURE 7-A).
3. Firmly grasp suppressor body and pull suppressor away from host weapon (FIGURE 7-B).

## 8. MAINTENANCE

While SureFire suppressors require minimal maintenance, it is recommended that the adapter and suppressor be cleaned in conjunction with regular weapon maintenance. Cleaning should be conducted as often as necessary.

### 8.1 FIELD CLEANING PROCEDURES

1. Remove suppressor from host weapon.
2. Brush and/or scrape carbon and copper residue from internal suppressor mounting surface (FIGURE 8).
3. Brush and/or scrape carbon and copper residue from suppressor adapter.

**Note:** Gun cleaner may be used to remove carbon/copper fouling from both the adapter and the corresponding internal mounting surfaces of the suppressor.

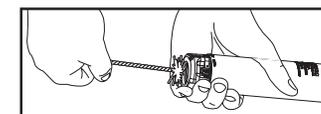


FIGURE 8

**Note:** Each SOCOM50-SPS suppressor has a Suppressor Brake permanently affixed. Do not attempt to remove this under any circumstances. Contact SureFire for assistance.

