

Thank you for trusting Elite Iron for your firearm suppression needs. For over 21 years Elite Iron has mastered the art of firearm sound suppression. Through proprietary technology, we have developed professional grade suppressors that are designed to provide enhanced accuracy and superior sound reduction for calibers ranging from .17HMR through .50BMG. This manual includes information on how to maintain, install, and troubleshoot your suppressor.

We're always happy to answer your questions, take your comments and suggestions, or assist you in any way possible.

INFO@ELITEIRON.COM | 406-244-0234

Elite Iron Suppressor Guarantee / Defective Products Limited lifetime warranty:

Elite Iron has in place a very rigid manufacturing and assembly process in building the highest quality sound suppressors for you, our customer. Our guarantee is that our suppressors are free from defects both in materials and workmanship during the normal use lifetime of the suppressor. If the need arises to have the suppressor inspected or serviced at any time, when determined that the product is at fault, we will repair the product free of charge. Elite Iron will also cover those occasional first "oops" at our discretion where the customer caused damage to the internals of the suppressor by mistake and that the registered tube was not damaged beyond repair.

This warranty does not cover damage to either the sound suppressor or host weapon resulting in whole or in part from: use in a criminal act, negligence or abuse, any type of modifications, careless handling, use of improperly loaded ammunition, or the use of surplus ammunition. Elite Iron assumes no liability for damages or bodily injury caused by the above-mentioned conditions. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Titanium center fire model suppressors limited warranty:

Due to the nature of the titanium material when introduced to the corrosion factor of burning propellants, all center fire models are limited to our material and workmanship guarantee only.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

IMPORTANT INSTRUCTIONS FOR ALL ELITE IRON SUPPRESSORS

All models have 100% repeatability. Any POI shift existing while suppressor is in use will be identical every time the suppressor is used on that same firearm.

DO NOT use any type of crush/peel washer or shims when installing suppressor onto firearm. Ensure suppressor is on TIGHT. This should be checked periodically while shooting.

We recommend using a nickel based anti-seize or other similar product on all threaded areas such as thread adapters, encapsulators, castle nuts, and muzzle brakes.

Ensure your suppressor is on **TIGHT**, checking periodically while shooting.

If the suppressor does not fully shoulder onto the firearm **DO NOT SHOOT!** Always check for clearances before swapping suppressor from firearm to firearm. When shooting multiple weapons with the same suppressor, first look thru the rifle bore and attached suppressor to ensure that you see a perfect round hole all the way thru. This check is only needed once per weapon.

Installing your suppressor should not require the use of tools. If the suppressor does not thread on smoothly, **DO NOT ATTEMPT TO FORCE IT.** You risk damaging the suppressor threads, barrel threads or both. Unscrew, clean and check threads, then try again. If you still encounter resistance, please call for assistance.

Elite Iron does not recommend storing the weapon with a hot suppressor attached especially with the muzzle pointed up.

Additional note on our .50cal Alpha Suppressors: Both the shooter and observer will be pleased with the sound reduction. However, the sound you will be hearing is still above the safe hearing threshold. It is highly recommended that some type of hearing protection is still used when firing the weapon. Use quality factory loaded ammunition that is appropriate for your weapon. Verification of bullet stability is necessary to prevent suppressor damage. Hand loaded ammo should be test fired for performance and stability **PRIOR** to shooting through the suppressor.

DO NOT use sabot type ammunition.

Eye protection is always recommended when discharging a firearm. We are dedicated in producing the highest quality suppressors for our customers. But at any time if the user notices a significant POI shift while shooting, stop and check suppressor for secure fit, check for bullet strikes at the exit port or for bulges in the sleeve. Other possibilities are loose scope rings or mounting screws which will change your point of impact.

SUPPRESSOR PRETREATMENT

Stainless and Titanium Models: There are several aftermarket products that can be applied to your new suppressor that will reduce the carbon buildup. We recommend using a pretreatment oil into the back of the suppressor and disperse with air. Adding additional pretreatment oil to suppressor for storage will aid in carbon removal during next use. Disperse with air.

Elite Iron recommends the two products below:
Sentinels Pride has a product called Boogalube it is also an excellent pretreatment and suppressor cleaner, and it too is available at www.boogalubegunoil.com.

RECOMMENDED CLEANING OPTIONS

Aftermarket Cleaners - There are a multitude of cleaners that the user may try.

We recommend BreakThrough Technologies for carbon removal. Soak the suppressor in cleaner for at least 1 hour. For suppressors with heavy build-up, soak 8 – 24 hrs for best results. For serviceable suppressors, disassemble, then soak. After soaking, wipe/brush down the suppressor and/or suppressor parts to remove excess cleaner and fouling, then shoot several rounds (supersonic is recommended) through the suppressor to eject any remaining loosened fouling.

IMPORTANT - TITANIUM SUPPRESSORS: Please note that you should **NOT** use any type of cleaner that contains Ammonia or Chlorine on Titanium Suppressors.

INSTALLATION OF DIRECT THREAD & 3-PIECE SUPPRESSORS

Always check suppressor threaded ends and exit ports for any obstructions prior to installation. Also check threads on both firearm and suppressor for contaminants. Muzzle brakes for the Bravo 1 series and CQC 1 series suppressors need to be installed with a wrench. Failure to tighten the muzzle brake properly could result in suppressor and / or firearm damage.

When threading the suppressor onto the firearm or muzzle brake on the last half turn before the suppressor seats use both hands to quickly spin the suppressor and seat the suppressor to the shoulder. This method will help reduce the chances of the suppressor loosening on the threads. Check suppressor tightness periodically while shooting.

SIERRA .375 MODEL NOTES

MODEL SIERRA .375 with a 5/8-24 thread is NOT SUITABLE FOR MAGNUM CLASS CARTRIDGES using more than 60gr. of powder. The 5/8-24 thread only leaves a wall thickness of .102 thousandths. If the end user tries using this model/caliber combination on a heavy magnum class cartridge, the threads on the barrel will eventually fail.

ARMALITE AR50 & STEYR HS50 TIMING PROCEDURE

Using your existing brake nut, take a ruler and measure out 1 ½ inches from brake nut to muzzle. Attach suppressor, timing it with the Elite Iron name at top dead center position and lock down brake nut.

Make sure you have no more than 1 inch of threads inside of the suppressor.
Please call if you have any questions on this procedure.

REPAIR SERVICES

Before sending a suppressor to Elite iron for repair, please call us at 406-244-0234 to first discuss the reason and/or concern for the possible service. Once we have determined that the item needs to be serviced by the company, we will schedule the work order for your repair. A copy of the front of the approved Form 4 must accompany the suppressor; or for dealer warranties a copy of the Form 3. Please include all contact information, return address, and a brief note describing the issue or circumstances, including the type of weapon and ammunition that was being used.

In the event that the suppressor is damaged beyond repair, the customer may purchase a replacement suppressor of the same model at 50% of MSRP.

Once your return is processed and is verified to meet the basic criteria above and to be defective, your refund will be issued, or your replacement order will be sent. Replacement products due to return will be shipped within 10 business days of receipt. Please include a description of the defect or problem with the product, including your phone number/email address.

Defective items should be returned to:

Elite Iron

1345 Thunders Trail, Bldg D

Potomac, Montana 59823 USA