

# NOSLER<sup>®</sup>

# NOSLER HUB SUPPRESSORS



Serial #

# HANDBOOK

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This Manual Applies To The Nosler SR-22TiH, SR-22KtiH, SR-22ALtiH, SR-30TiH, SR-30ALtiH, SR-30KH, SR-30KtiH SUPPRESSORS

**We** appreciate your business and congratulate you on your new purchase of a Nosler suppressor. We take great pride in engineering and manufacturing all our suppressors in-house. Each of our suppressors have multiple patents, and have one of the most unique, lightweight, durable, and effective designs on the market today.

## **This manual applies to the following Nosler Suppressor Models**

**SR-22TiH**  
**SR-22KTiH**

**SR-22ALTiH**

**SR-30ALTiH**  
**SR-30KH**

**SR-30KTiH**  
**SR-30TiH**

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## WARNINGS

Failure to follow the installation, use and maintenance instructions detailed in this manual may result in serious personal injury and damage to the suppressor and/or firearm. Do not attempt to use this product unless you have specific training and experience in the use of firearms. Before installing the suppressor on the host firearm, be sure that the firearm is unloaded and the action is open so that the firearm is visibly clear of any ammunition. If you are unsure as to the proper procedures to ensure that your firearm is unloaded, please consult your firearm user's manual/instructions and/or contact the manufacturer of your firearm.

Check the fit between barrel and suppressor before firing! The thread mount must be fully shouldered on the barrel. There should be no visible gap between the barrel shoulder and the face of the suppressor thread mount. If there is any gap DO NOT fire the host with the suppressor attached. To ensure your suppressor remains secure while firing, it is of the utmost importance that you frequently verify the suppressor is securely tightened onto the barrel. Poor accuracy and product damage may result if the suppressor is not fully shouldered.

Suppressors must be free of obstructions such as mud, dirt, etc. DO NOT attempt to shoot through an obstructed suppressor.

Nosler suppressors are designed to be used dry. Do not add any type of liquid to the interior of the suppressor prior to firing. Doing so will damage the suppressor and void the warranty. After cleaning,

allow the suppressor sufficient time to dry before resuming firing.

Before removing the suppressor from the host firearm, be sure that the firearm is unloaded and the action is opened so that it is visibly clear of any ammunition. When removing the suppressor, use extreme caution as it may be hot to the touch after firing. Use gloves to avoid burns or other injuries. Once the suppressor is removed from the host firearm, Nosler recommends using a thread protector or other muzzle device to protect the muzzle threads and crown of the firearm, during storage or transport.

Use caution when carrying a firearm with a suppressor installed in the field. Verify that the suppressor is aligned before firing if the firearm is dropped, struck, or subject to undue forces while the suppressor is installed.

Suppressors significantly reduce the decibel level of sound generated by discharging a firearm. However, depending on the ammunition used, they may or may not reduce the noise to a level that is hearing safe and are not a substitute for hearing protection. Always use adequate hearing protection when discharging firearms, even when using a suppressor.

Do not under any circumstances attempt to install a suppressor on a firearm with a bore diameter (caliber) larger than the bore diameter of the suppressor.

**The SR-22TiH, SR-22KTiH, and SR-22ALTiH** were designed for use on all .224 caliber and smaller centerfire rifles. They are not designed for use on 22 Rimfire firearms. Do not mount any of these suppressors on a firearm chambered for a cartridge larger than 22 (.224") caliber.

**The SR-30TiH, SR-30ALTiH, SR-30KH, and SR-30KTiH** were designed for use on 30 (.308") caliber and smaller centerfire firearms. They are not designed for use on 22 Rimfire firearms. Do not mount any of these suppressors on a firearm chambered for a cartridge larger than 30 (.308") caliber.

## Heat and ALTi Suppressors

**The Nosler ALTi series of suppressors** are constructed from aluminum and titanium for both durability and light weight. Because of the aluminum construction, they are not designed for full-auto use, or long shots strings of sustained fire that generate excess heat. Heating the suppressor excessively over long strings of sustained fire will negatively impact the life of the suppressor. Nosler recommends limiting shots to the maximum rates of fire shown below, and allowing the suppressor to cool to ambient temperature before resuming firing.

**SR-22 ALTiH** – no more than 30 rounds at 1 round/second before cooling to ambient temperature.

**SR-30 ALTiH** – no more than 20 rounds at 1 round/second before cooling to ambient temperature.

With proper use and care the ALTi series will provide a lifetime of service.

**The Nosler SR-30KH suppressor** is designed to provide a compromise between size, decibel reduction, and weight. As such, the SR-30KH is not designed for full-auto, rapid, or sustained fire. When using the SR-30KH, firing multiple shots in rapid succession should be limited to prevent rapid heat build-up and allow time for the suppressor to cool between shot strings. Many variables including cartridge size, barrel length, rate of fire, and ambient temperature will affect how quickly a suppressor heats up on your firearm. As with all firearm components, heat is the enemy, and excessive heat from firing will cause wear to accelerate rapidly. In extreme circumstances, allowing the suppressor to be subjected to temperatures beyond its operating range can result in catastrophic failure. To maximize the longevity of the SR-30KH suppressor, limit the overall temperature of the suppressor by limiting the rate of fire, and allowing time for the suppressor to cool between shot strings.

**The Nosler Ti series of suppressors** are constructed fully from titanium, making them more robust and heat tolerant than the ALTi series. The Ti series is full-auto rated, and able to withstand higher heat, higher pressure, and longer round counts between cooling. However, just as in your rifle's barrel, heat is the enemy, and subjecting any suppressor to unnecessarily high heat will accelerate wear on the suppressor and in extreme cases will destroy the suppressor.

## What sets Nosler suppressors apart?

1. The Nosler proprietary baffle system is completely revolutionary and unlike any other in the market. Our baffle stack is replaceable if ever worn or damaged resulting in a suppressor that lasts a lifetime not determined by round count. Nosler suppressors have NO welded joints. This suppressor system is completely threaded which reduces the potential for induced failure points from the welding process. The baffle system has been designed to be held together from either end of the baffle tube in compression, resulting in a significantly more robust suppressor when compared to others on the market today.
2. Nosler suppressors offer an unparalleled decibel reduction to weight ratio.

### Nosler Suppressor Anatomy



## Mounting

Whether you prefer the simple, shorter nature of a direct thread setup with the thread adapter or the features of the Nosler Brake, you should take care to ensure that the Suppressor is mounted securely to your firearm before firing. Nosler offers mounts in all of the popular barrel thread patterns (See page 10 or Nosler.com for a list of available adapters). Users must ensure they are using the proper mounts that match their barrel threads and that there is an adequate shoulder for the mount to seat against. These instructions will help to prevent the problems and dangers that can arise from improper installation.

Your Nosler suppressor utilizes the HUB mounting system. This allows for the use of your Nosler suppressor with other HUB-compatible mounts and adapters. When using other manufacturer's Hub-compatible mounts, Nosler recommends verifying bore alignment prior to firing. Your suppressor was shipped with a direct thread adapter already installed. 30 caliber suppressors ship standard with a 5/8-24 thread adapter installed. 22 caliber suppressors ship with a 1/2-28 thread adapter installed. If your firearm has the corresponding muzzle threads, installation is as simple as screwing the suppressor onto your barrel.

Should you want to install your Nosler suppressor over a Nosler Brake, or if the threads on your firearm differ from those on the included adapter, you will need to order an additional thread adapter. Additional thread adapters can be ordered from [Nosler.com](http://Nosler.com) or by calling 800-285-3701.

Part# 97207



Part# 97209



Part# 97205



Part# 97203



### HUB-compatible thread adapters available from Nosler:

**Part #:**

**Application:**

- |                                   |  |
|-----------------------------------|--|
| 97203 - HUB Adapter/ Nosler Brake | Use this adapter to mount over the Nosler Muzzle Brake               |
| 97205 - HUB Adapter/ 5/8-24       | Use this adapter to mount a Nosler HUB suppressor on 5/8-24 threads  |
| 97207 - HUB Adapter/ 1/2-28       | Use this adapter to mount a Nosler HUB suppressor on 1/2-28 threads  |
| 97209 - HUB Adapter/ 9/16-24      | Use this adapter to mount a Nosler HUB suppressor on 9/16-24 threads |

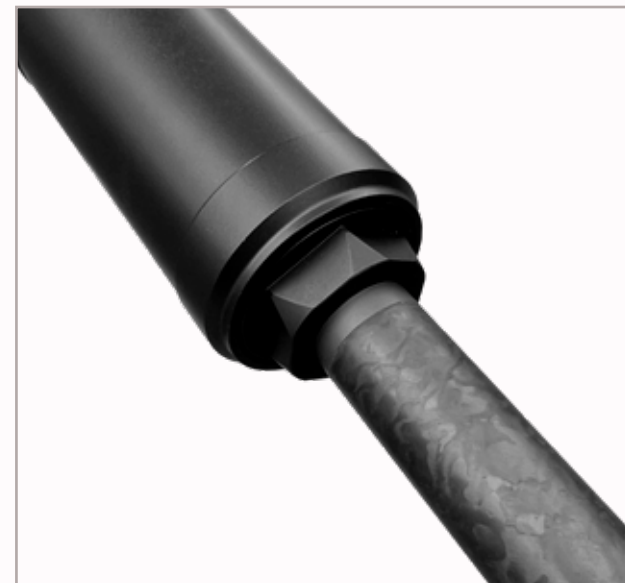
## Mounting the suppressor using the included thread adapter:

1. Ensure that the firearm is unloaded and the chamber is clear.
2. Remove any existing thread protector or muzzle device from the firearm.
3. Clean the threads of the firearm.
4. Verify that the thread pitch on the adapter matches those of the firearm.
5. Check to be sure that the thread adapter is seated firmly in the rear of the suppressor.

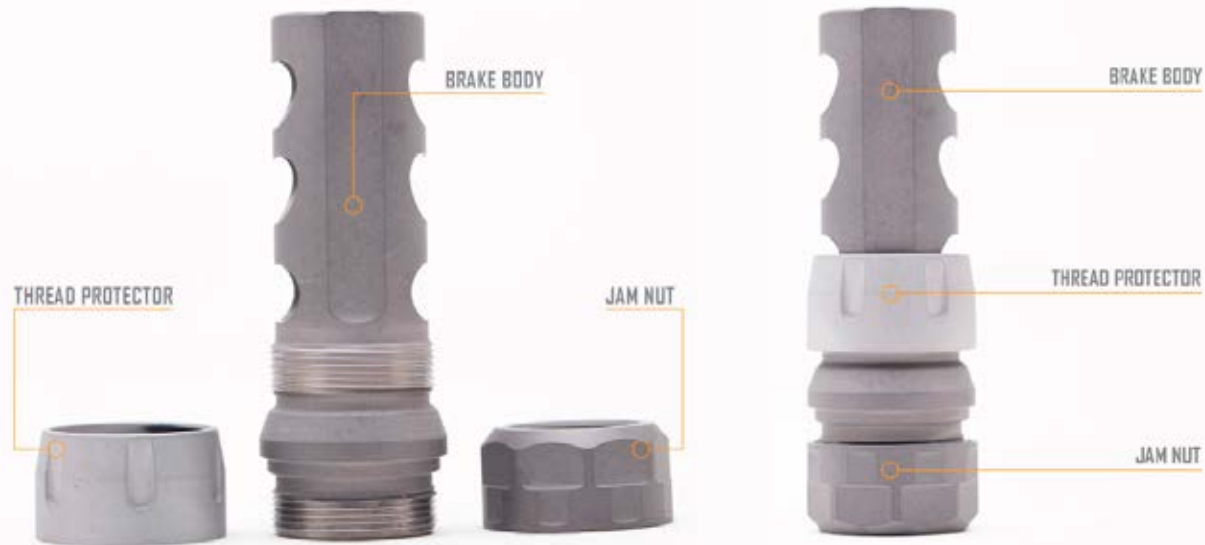


**6.** Thread the suppressor onto the muzzle of the firearm until seated firmly against the shoulder.

**7.** Your suppressor is now installed and ready for use. Periodically verify that the suppressor is snug during firing.



## Mounting the Suppressor over the Nosler Muzzle Brake



- 1.** Ensure that the firearm is unloaded and the chamber is clear.
- 2.** Remove any existing thread protector or muzzle device from the firearm.
- 3.** Clean the threads of the firearm.
- 4.** Verify that the jam nut on the rear of the brake is snug against the brake body.
- 5.** Install the Nosler Brake onto the firearm by threading onto the muzzle threads until seated snug against the barrel shoulder.





**6.** Align or “clock” the brake so that the ports are perpendicular to the vertical axis of the bore. (The flats should be on the top and bottom of the brake) You will likely have to loosen the brake up to a half turn to achieve proper alignment.



**7.** Maintain the alignment while securely attaching the brake by holding the brake body in place with a wrench while snugging the jam nut against the shoulder of the barrel with a second wrench.



**8.** Now that the brake is securely attached, remove the thread protector from the brake body.



**9.** To install a Nosler suppressor over a Nosler brake:

Remove the HUB thread adapter from the suppressor by unscrewing counter-clockwise (traditional right-hand threads).

A wrench may be used on the adapter if necessary.

Next, ensure that the threads on both the suppressor and the adapter are clean and free from debris.

Install the new Brake to HUB adapter into the rear of the suppressor by screwing in clockwise. Be sure to install until the adapter is completely seated in the rear of the blast chamber and snug. Do not over-tighten.

**10.** Install the suppressor over the brake on your firearm using the reverse (left-handed threads) rotating counter clockwise to install.



## MAINTENANCE AND CLEANING

It is not advised nor necessary to disassemble the suppressor to clean or maintain.

Always remove the suppressor from the firearm before cleaning either the firearm or the suppressor. Do not attempt to clean the suppressor or your firearm while the suppressor is installed.

While the Nosler SR series typically requires limited maintenance, the suppressor should periodically be cleaned with any standard gun cleaning solvent and a brush to remove any carbon or fouling. If the finish becomes discolored, wipe the suppressor with any high quality gun oil; this should restore the finish to the factory condition. If necessary, run a cleaning brush through the bore to remove any light fouling. Do not run cleaning patches through the bore as the patches might become lodged in the suppressor and cause damage upon firing.

**CAUTION:** Always read the warning label on any cleaner or solvent, and remember that virtually all solvents are inherently dangerous and potentially toxic. Always use adequate ventilation and both skin and eye protection when using solvents.

## TRANSFERRABLE LIFETIME WARRANTY

Nosler warrants our suppressor products to be free from defects in craftsmanship and materials. Nosler will repair, replace, or refund the original purchase price of the suppressor if Nosler determines that the product was defective. This warranty does not cover normal wear and tear, or damage caused by improper use, abuse, and/or modification. This warranty will be rendered void if the suppressor is found to have been altered or modified in any way.

This transferrable lifetime warranty is exclusive and no other express or implied warranty is otherwise provided.

## DISCLAIMER

Nosler assumes no responsibility, and this warranty does not cover injuries to: person(s), property, firearm or suppressor due to illegal use, negligence, misuse, careless or improper handling and/or operation, abuse, unauthorized adjustments or modifications, improper mounting or installation, ordinary wear and tear, the failure to follow manufacturer's instructions or the use of inappropriate, corroded, or defective ammunition by the original purchaser, any owner, or any person. Ensure suppressor is drained of water if using in a wet environment prior to firing. Do not add oil, grease (other than a thinfilm on the threads) or foreign substances to the internal portion of suppressor.

## CUSTOMER SERVICE

### **DO NOT SEND YOUR SUPPRESSOR TO NOSLER WITHOUT PRIOR AUTHORIZATION.**

If you have any problem with your new Nosler suppressor, please contact our Customer Satisfaction Department at 800-285-3701. Our representative can help with information that will make the use of your new Nosler suppressor more enjoyable, or assist you with the best way to return the suppressor for service. Our Customer Satisfaction Department is available 8:00 AM until 4:30 PM (Pacific Time), Monday through Friday. Customer Satisfaction is usually closed on all legal holidays.

**Notes**

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