

DANIEL™
SOUNDGUARD™
———— POWERED BY KGM™

OPERATION & SAFETY MANUAL

**DANIEL
DEFENSE®**

NOTICE

Review the entire user manual before removing the suppressor from its package. Your safety, and the safety of others, hinges on following the instructions contained in this manual on the proper handling and functioning of this Daniel SoundGuard Suppressor.

⚠️ WARNING

DO NOT ATTEMPT TO OPERATE THE HOST FIREARM IF DIRT, MUD, SNOW OR OTHER SUBSTANCE OBSTRUCTS THE BORE OR SUPPRESSOR. AN OBSTRUCTION IS A DANGEROUS CONDITION AND MAY CAUSE DAMAGE TO THE FIREARM OR INJURY TO YOURSELF OR OTHERS. IF THE SUPPRESSOR HAS BEEN SUBMERGED IN WATER, SUFFICIENT TIME MUST BE ALLOWED FOR THE LIQUID TO COMPLETELY DRAIN.

⚠️ WARNING

USE EXTREME CAUTION WHEN COMING IN CONTACT WITH THE SUPPRESSOR AFTER USE. IT MAY BE DANGEROUSLY HOT AND, IF TOUCHED, COULD CAUSE SEVERE BURNS TO THE SKIN OR IGNITE FLAMMABLE MATERIALS. IF SUPPRESSOR MUST BE REMOVED WHILE HOT, USE HEAT-RESISTANT GLOVES OR OTHER PROTECTION TO PROTECT AGAINST HARM. KEEP SUPPRESSOR AWAY FROM FLAMMABLE MATERIALS.

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1.0 DANIEL™ SOUNDGUARD™ SUPPRESSOR SYSTEMS



DANIEL™ SOUNDGUARD™ SG-556™



DANIEL™ SOUNDGUARD™ SG-30™



DANIEL™ SOUNDGUARD™ SG-30Ti™ (Titanium)

ACCURACY

SoundGuard Suppressors are designed with accuracy in mind. The patented gas-flow pathing enhances the round's stability as it passes through the suppressor. This results in reduced point-of-impact shift and improves precision of the host firearm.

FLASH REDUCTION

SoundGuard Suppressors include a design feature that ensures the flash is contained within the suppressor. When fired, little to no flash is present at the muzzle. Each suppressor utilizes a technology mixture of patented baffle stack and proprietary material coating of all internal parts to allow for the lowest possible flash signature.

RECOIL REDUCTION

Select Daniel SoundGuard Suppressors feature an adjustable port end cap (*page 9*), an innovative feature allowing for maximum recoil reduction regardless of the firearm's caliber or configuration.

GAS OPTIMIZATION

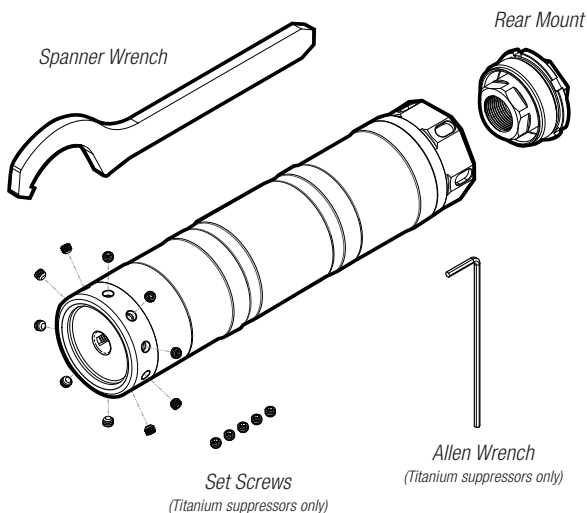
Daniel SoundGuard Suppressors gas-flow design eliminates over-gassing and decreases toxic gases to the shooter.

SOUND REDUCTION

Daniel SoundGuard Suppressors significantly reduce impulse noise levels, allowing end-users to perform at the highest level, while reducing the threat of damage that can lead to hearing loss.

2.0 INCLUDED COMPONENTS

- 1 x Spanner Wrench
- 1 x Rear Mount
- 10 x #8-32 Set Screws (*Titanium suppressors only*)
- 1 x Allen Wrench (5-64") (*Titanium suppressors only*)



3.0 INSTALLATION

⚠️ WARNING

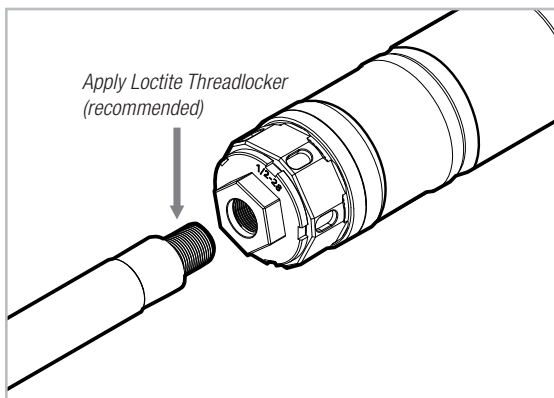
PRIOR TO MOUNTING OR UNMOUNTING THE DANIEL SOUNDGUARD SUPPRESSOR, ENSURE THAT THE FIREARM IS UNLOADED AND ON SAFE, THERE IS NO AMMUNITION IN THE CHAMBER OR MAGAZINE, AND KEEP THE FIREARM POINTED IN A SAFE DIRECTION! IMPROPER HANDLING COULD LEAD TO UNINTENTIONAL DISCHARGE, WHICH MAY RESULT IN OR CAUSE INJURY, DEATH, AND/OR DAMAGE TO PROPERTY.

DIRECT-THREAD SUPPRESSOR ATTACHMENT

1. Remove existing muzzle device (*if applicable*) from the host firearm as well as any crush washer or shims present.
2. Use a stiff-bristle brush to remove debris from the barrel threads.
3. Wipe remaining residue/debris from the barrel threads with a clean cloth.
4. Use a clean cotton swab and a degreasing solution (acetone or alcohol is recommended) to remove residue/debris from the barrel threads.

5. Attach suppressor by rotating clockwise until the suppressor comes to a stop and hand-tighten using the spanner wrench. Be careful not to over-tighten, as this could affect the barrel's alignment (AR10/AR15-style firearms).

NOTE: For a more secure attachment, apply a very small amount of Loctite Threadlocker 242 (or equivalent) to the threads. (Ensure Loctite does not drop on or into the bore.)

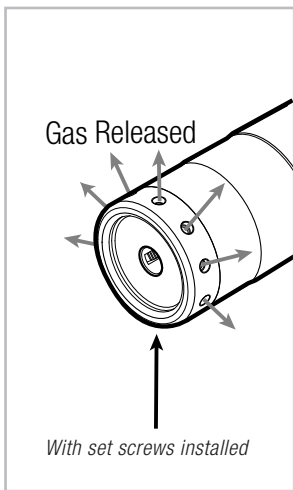
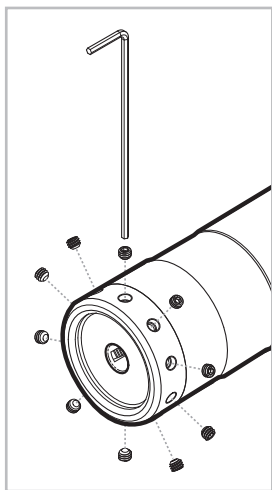


The Daniel SoundGuard Suppressor features the industry standard 1.375-24UNS thread pitch, which allows for the use of multiple attachment options. If using another manufacturer's mounting system, refer to their user manual for installation instructions.

4.0 ADJUSTABLE PORT END CAP*

*Available on Titanium Suppressors only

Select Daniel SoundGuard Suppressors feature the Adjustable Port End Cap. This allows for maximum recoil reduction regardless of system's caliber or configuration. Providing the option to close any of the ports allows for tuning the recoil impulse generated from the directional dispersion of pressure as it leaves the suppressor. Additionally, the adjustable port end cap allows for lower-system backpressure, which helps the firearm to run better and smoother for longer.



5.0 FIRING SCHEDULE

⚠ WARNING

LIMIT FULL-AUTO FIRING TO REDUCE HEAT BUILDUP AND EXTEND SUPPRESSOR LIFE. AVOID FIRING MORE THAN 90 ROUNDS OF SUSTAINED FIRE. IF THIS LIMIT IS REACHED, ALLOW THE UNIT TO COOL BEFORE RESUMING FIRE.

6.0 MAINTENANCE

⚠️ WARNING

PRIOR TO MOUNTING OR UNMOUNTING THE SOUNDGUARD SUPPRESSOR, ENSURE THAT THE FIREARM IS UNLOADED AND ON SAFE, THERE IS NO AMMUNITION IN THE CHAMBER OR MAGAZINE, AND KEEP THE FIREARM POINTED IN A SAFE DIRECTION! IMPROPER HANDLING COULD LEAD TO UNINTENTIONAL DISCHARGE, WHICH MAY RESULT IN OR CAUSE INJURY, DEATH, AND/OR DAMAGE TO PROPERTY.

⚠️ WARNING

DO NOT PASS A CLEANING PATCH THROUGH THE SOUNDGUARD SUPPRESSOR. DOING SO COULD LEAD TO AN OBSTRUCTION, WHICH COULD RESULT IN DAMAGE TO THE SUPPRESSOR AND/OR CAUSE HARM TO THE SHOOTER OR OTHERS.

Daniel SoundGuard Suppressors are sealed suppressors, limiting the ability for users to service. Daniel Defense recommends keeping the mounting adapter threads clean and, if using a compatible muzzle device, keep the interface clean and free of carbon buildup.

7.0 BAFFLE STRIKE

Baffle strikes occur when a projectile strikes the inside of the suppressor. A baffle strike can be the result of incorrect installation or of faulty ammunition. While a baffle strike may not affect the performance, it's important to evaluate the cause to ensure the suppressor is safe to use.

If you suspect you've had a baffle strike and are concerned that the product may be unsafe for use, contact Daniel Defense. See the **SUPPRESSOR SERVICE & REPAIR section on page 18.**

8.0 DEMIL PROCEDURE

Silencers/suppressors/mufflers are deemed code “D” items. The preferred method of DEMIL for assigned code “D” is smelting. Silencers/suppressors/mufflers shall be demilitarized by smelting, breaking, shearing, crushing, deep water dumping, cutting utilizing a cutting tip that minimally displaces ½ 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 of the DoD DEMIL Program Manager (DDPM).

9.0 SPECIFICATIONS

SG-556™

Weight:	22.0 oz (w/mount)
Length:	7"
Tube Diameter:	1.75"
Compatible Calibers:	.223 / 5.56mm
Material Construction:	Stainless Steel Baffle Stack, Stainless Steel Tube
Mounting:	1/2 x 28" TPI

SG-30™

Weight:	22.5 oz (w/mount)
Length:	7"
Tube Diameter:	1.75"
Compatible Calibers:	.223 Rem – 300 PRC
Material Construction:	Stainless Steel Baffle Stack, Stainless Steel Tube
Mounting:	5/8 x 24" TPI

SG-30Ti™

Weight:	15.0 oz (w/mount)
Length:	7.75"
Tube Diameter:	1.75"
Compatible Calibers:	.223 Rem – 300 PRC
Material Construction:	Titanium Baffle Stack, Titanium Tube
Mounting:	5/8 x 24" TPI

SOUND REDUCTION

Daniel SoundGuard Suppressors significantly reduce impulse noise levels, allowing end-users to perform at the highest level, while reducing the threat of damage that can lead to hearing loss.

10.0 DANIEL DEFENSE® INFORMATION



SATISFACTION GUARANTEE

All Daniel Defense products carry a 100% satisfaction guarantee against defects in original materials and workmanship. If your Daniel Defense product shows evidence of such defects, Daniel Defense will make every accommodation to fix, repair, or replace your product in the most expeditious manner possible. Daniel Defense does not warranty products or damage caused to our products by the correct or incorrect installation of other manufacturers' products. Be sure to retain your sales slip as proof of purchase date when making a claim.

REQUIREMENTS

1. Please contact our warranty department to create an RMA prior to shipping items back to Daniel Defense to ensure they are processed in a timely fashion.
2. Merchandise must be in new condition with original packaging.
3. Merchandise must be return-shipped in a protective box.
4. Full refund, including shipping, will be granted if the return resulted from our error. Otherwise, we will deduct the shipping costs from your refund.
5. Refunds for items purchased directly from Daniel Defense will be returned via the original purchase method.
6. Refunds for items purchased through our Financing Partner, Expert Voice, or other special programs will be credited to those partners; they will then refund customers directly (*processing times may vary*).
7. Any other refunds will be issued via check, delivered by USPS.
8. Please provide a copy of the receipt or sales order number to expedite the process.
9. The customer will receive a refund within 10 business days of receipt of their return.

SUPPRESSOR SERVICE & REPAIR

1. Prior to sending a suppressor to Daniel Defense, obtain an RMA (Return Merchandise Authorization) by contacting a Warranty Administrator at: DanielDefense.com/contacts or by calling 1-866-554-GUNS (4867).
2. Do not send ammunition, accessories, or presentation boxes.
3. Daniel Defense's address for receiving packages is:

**DD CUSTOMER SUPPORT
1334 ORACAL PARKWAY
BLACK CREEK, GA 31308**

NOTICE

Do not indicate the contents or include "DANIEL DEFENSE" in the address on the package so that an inquisitive thief is not attracted to it by such information.

SUPPRESSOR RECORD

Daniel Defense Product: _____

Suppressor Serial #: _____

Purchased From: _____

Date Purchased: _____

Purchase Price: _____



»® FREEDOM. PASSION. PRECISION.®



DANIEL DEFENSE® | 101 WARFIGHTER WAY | BLACK CREEK, GA 31308

DANIELDEFENSE.COM

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