



SUOMI M-31 SA (Semi Automatic)

One Great Company— Another Superb Product



"The first time you pick it up you will feel like you just pulled it off the armorer's rack in 1939." S.C. Huntsville, Alabama



**FIREARMS ARE DANGEROUS WEAPONS
READ THE INSTRUCTIONS AND WARNINGS
IN THIS MANUAL THOROUGHLY AND
CAREFULLY BEFORE USING.**

Be sure to read these instructions carefully! Or I'll tell everyone you cry at chick flicks and you'll have to say "Hello" to my little Finn!

Finland was at war with the Soviet Union from November 30, 1939 to March 13, 1940 (The Winter War) and then again from June 25, 1941 to September 4, 1944 (The Continuation War).

A very, very brief history-

The Winter War was mainly an outcome of the major political events taking place in Europe during the 1930s. Germany was loaded for bear and Hitler made it clear that Russia was in for an attitude adjustment. Until 1917 Finland and the Baltic States had been part of Russia for several generations and regardless of what the people thought, when Mother Russia said jump the people of Finland were expected to say "how high?". Being naturally strong willed and physically imposing the warriors of Finland prepared for a fight. A fight on their soil, in their homes.

War breaks out-

Faced with the Finnish intractability the Soviet Union finally decided to take by force what it could not get through negotiations. On November 30 1939 Russian troops entered Finland.

The Suomi M31 is about to become the great equalizer...

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Special Thanks to Marshall Kregel of the KevOs4 website for use of WWII historical pictures and information.



* Please read the following warnings, cautions and notes.



Safety – It's Your Responsibility

SAFETY MUST BE THE FIRST AND CONSTANT CONSIDERATION OF EVERY PERSON WHO HANDLES FIREARMS AND AMMUNITION. (The terms His, Him, Her, Hers, or She are interchangeable with regards to this informational manual.)

This information manual is designed to assist you in learning how to use and care for this system properly. Only when you are certain you fully understand the manual and can properly carry out its instructions should you practice loading, unloading, etc. with live ammunition. This manual will not teach you how to shoot, nor will it teach you safe handling practices, it only offers suggestions as to how you can safely handle this product until you can take an approved safety course.

If you have doubts about your ability to handle or use this particular system safely, then you should seek supervised instruction. Such personalized instruction is often available from gun dealers, gun clubs or police departments. If none of these sources can help you contact the National Rifle Association.

The person with a gun in his possession has a full-time job. He cannot guess; he cannot forget. He must know how to use his firearm safely. Do not use any firearm without having a complete understanding of its particular characteristics and safe use. Remember: There is NO such thing as a foolproof gun.



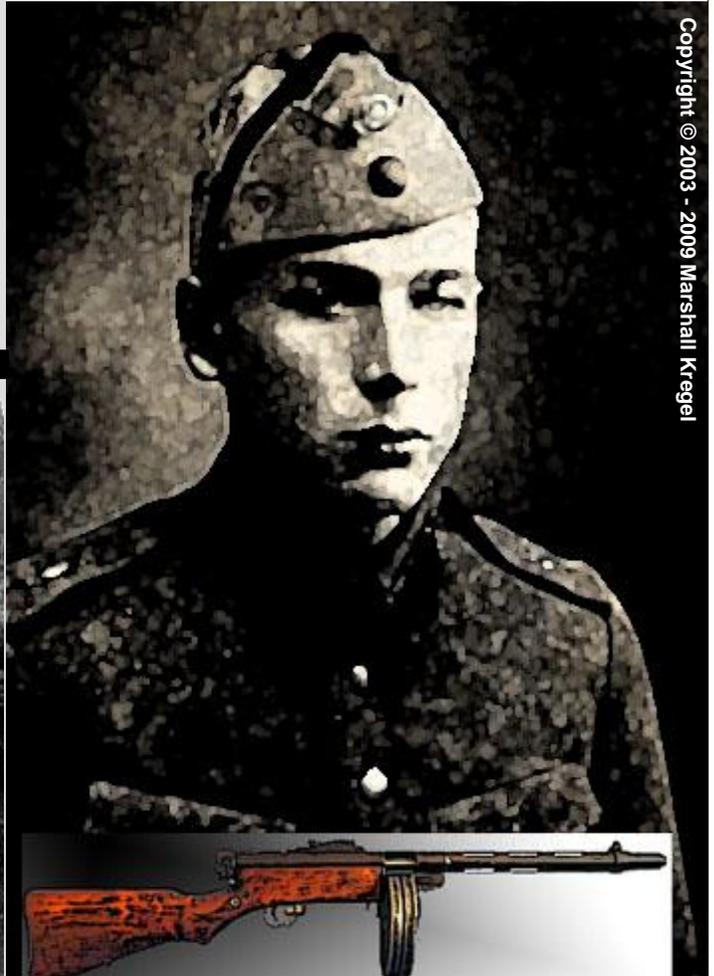
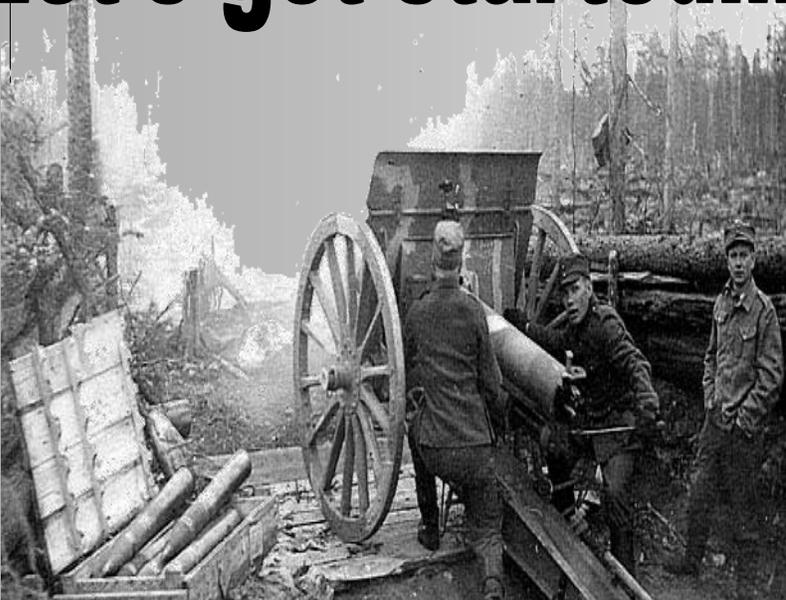
This Information Manual is Designed for Color Printing and Viewing Please Contact Us If You Have Special Needs and Require an Adjusted Black and White Copy.



Basic Safety List

- A loaded firearm has the potential to kill. Intelligently handled it is safe.
- An accident is always the result of basic safety rules neglect.
- Accident prevention is user responsibility.
- Never point a firearm at anything you don't want to shoot.
- Before handling a firearm be sure to use correct and undamaged ammunition.
- Be sure your firearm is clean – before loading inspect the barrel to ensure it is perfectly clean and free of debris and any obstructions. Shooting with an obstruction in the barrel such as dirt, mud, grease, lodged bullet or jacket residues, etc, can cause barrel bulging and/or rupture.
- Never assume that the chamber is empty, visually inspect it every time you handle the gun.
- Avoid alcoholic beverages or drugs before and during shooting.
- Always wear ANSI approved Safety Glasses or Goggles.
- Store firearms and ammunition separately, beyond the reach of children.
- Be sure cartridge chamber is empty.

Let's get started...



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WARNING! READ THIS SPECIAL NOTE BEFORE YOU BEGIN

Step 1

The SUOMI M31 has a **two** position safety– Forward (toward the barrel) is the “**FIRE**” position Rearward (toward the trigger) is the “**SAFE**” position. The firearm is **not** designed to allow cocking of the gun while in the safe position. (See Picture 1A below)

Attempting to cock the gun with the safety in the safe position will cause the gun to jam. If there is a round chambered un-jamming will cause the hammer to fall forward possibly firing the chambered round. Always point the firearm in a safe direction before attempting to fix the problem.

To un-jam the gun, unscrew the trigger assembly and lift it slightly out of its housing. The bolt can then be positioned forward.

Safety Selector in “**SAFE**” Position

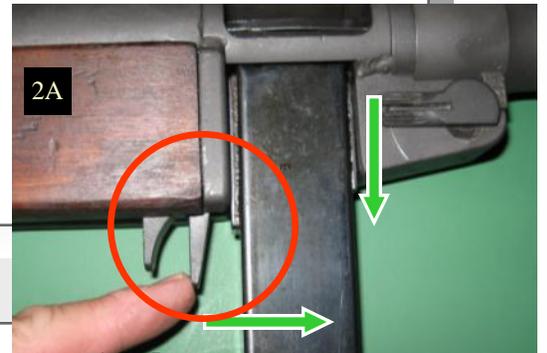


Safety Selector in “**FIRE**” Position

Step 2

Remove any magazine from the firearm by pushing forward (towards the barrel) on the magazine release lever and pulling down on your magazine. (see photo 2A)

Pull the bolt to the rear and visually inspect the chamber area for ammunition. If ammunition is present, take the firearm to a safe location and remove the ammunition from the firearm before proceeding.



Step 3

Warning! Wear ANSI approved eye protection to prevent injury.
CAUTION! The end cap is under spring pressure.

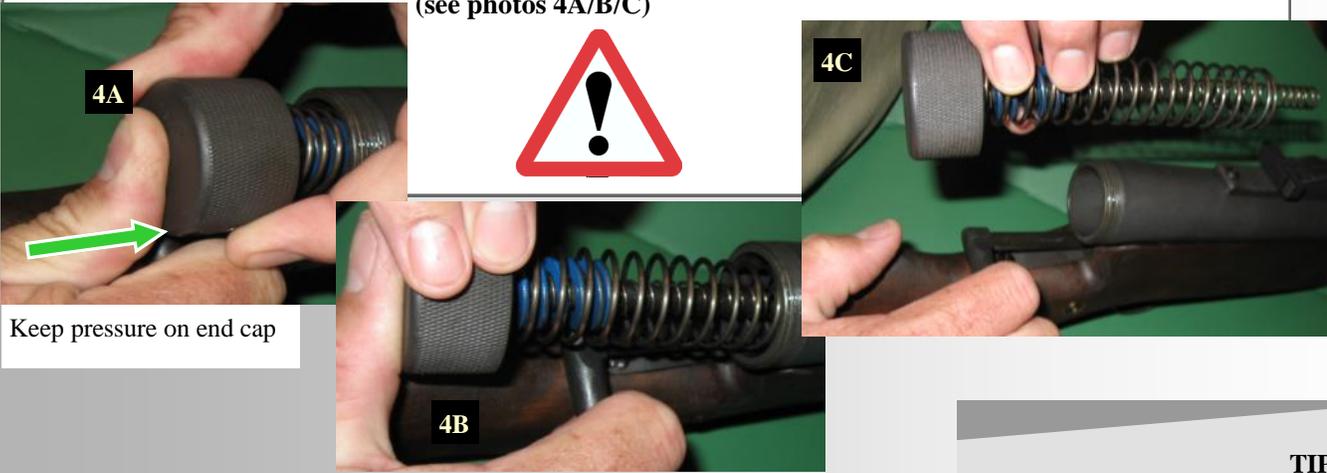
While removing the end cap keep it pointed in a safe direction to prevent injury to you or others if the cap is inadvertently released. Once the firearm is safely unloaded and all ammunition has been removed from the workspace the next step in the process is to remove the upper receiver end cap. To do this place one hand on the cocking handle and the thumb of the same hand on the face of the cap. Using your thumb as leverage pull back on the cocking handle approximately 1.5 inches. This will allow the extruded portion of the handle that locks the end cap in place to clear the channel in the end cap. Once clear, while holding the cocking handle to the rear, unscrew the end cap. (see photo 3A)



Alternate View



Step 4 While still holding pressure on the end cap, turn it counter-clockwise approximately 7-8 turns. Once the cap is free of the upper receiver pull out the cap and springs. Set aside. (see photos 4A/B/C)



Keep pressure on end cap

TIPS

Step 5 Carefully tilt the barrel up until the bolt group slides into your hand. The group is two pieces (see photo 5A/B)

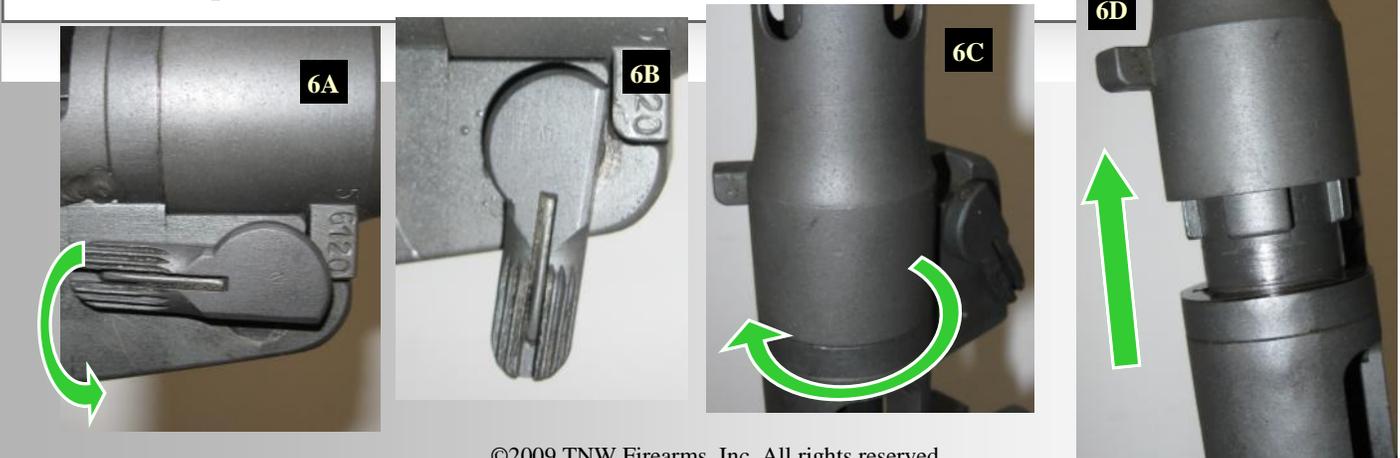


- Placing your smaller parts in a container will prevent a few headaches and choice words later.

- Keep several dry rags around for cleaning, gripping and protection from dents and scratches.

Step 6

Remove the barrel shroud and barrel. Lay the firearm on a stable surface with the right side facing up. Rotate the shroud locking lever counterclockwise just enough so the shroud can be rotated clockwise. While rotating the shroud pull it away from the upper receiver. Once the keys line up the shroud and barrel will separate from the upper receiver. Separate the barrel and shroud. (see photos 6A/B/C/D)



Step 7 Removing the trigger housing. If you find that you need to remove the trigger housing caution should be taken to prevent losing parts. Ensure the firearm is unloaded and pull the trigger to the striker to disengage. Remove the screw behind the trigger guard **7A** and lift out the trigger housing.

This manual will not instruct you on how to disassemble the trigger housing after removal- but we will provide the detailed pictures below as a reference to what a complete housing should look like. (see photos 7A/B/C/D)



TIPS

- Remember! If you are having to force a piece or part back together it's time to step back and take a breather. Then tackle the project again.
- Some of the modern super bore cleaners and blasters will ruin a finish and also do a number on your jewelry or eye-glasses.

WARNING!

The Suomi M31 SA is a striker fired firearm. Removing the trigger group while the firearm is loaded will cause the striker to engage and possibly cause death or injury.



To reassemble your Suomi M31SA just reverse the order. From Step 7 down to Step 1. See next page.

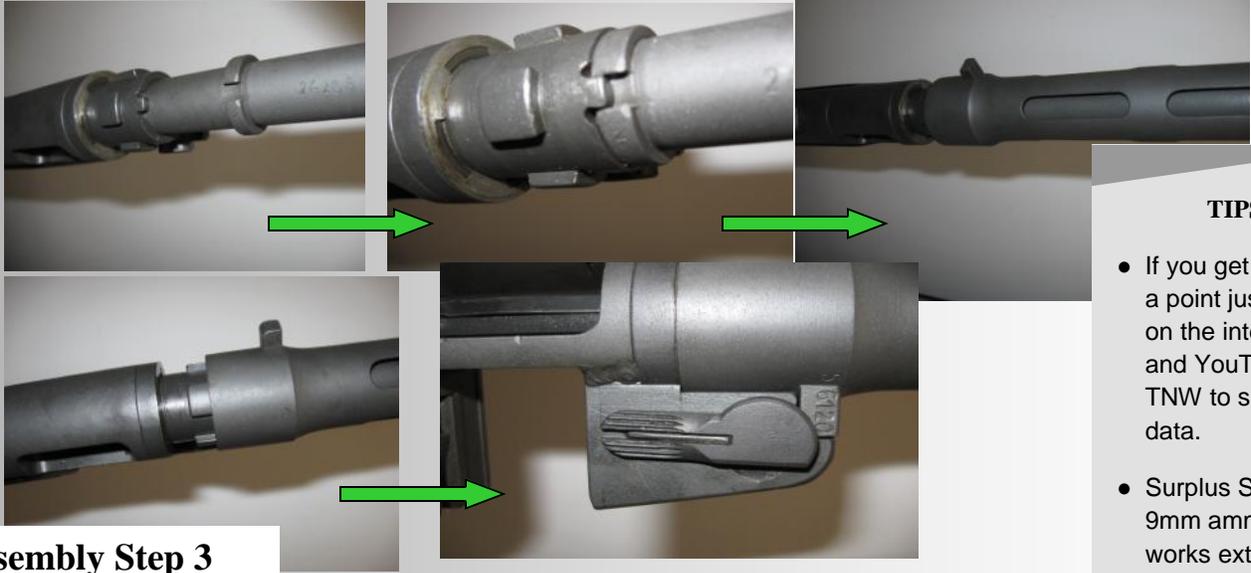
Replace the trigger group and secure with screw

Reassembly Step 1



Reassembly Step 2

Insert barrel into receiver, then slip barrel shroud onto locking lugs and rotate counter clockwise to lock into place.. Slide the shroud lock into place.



TIPS

- If you get stuck at a point just jump on the internet and YouTube TNW to see more data.
- Surplus SMG 9mm ammunition works extremely well in this fire-arm.
- Always wear hearing protection.

Reassembly Step 3

Reassemble the two pieces of the bolt group as pictured below. Reassemble the receiver end cap and springs as depicted in photos. Then insert into the receiver. Pull back the charging handle, align the slot in the cap with the extruded portion of the charging handle. Keeping the end cap pointed safety away from your body, push in with your thumb, align the cap with the receiver threads and screw the cap down. Once you get to the end of the threads you will need to back off until the slot aligns with the end cap slot. Release the charging handle. Place the safety in the **“SAFE”** (rearward) position and check operability. Then place the selector in the **“FIRE”** (forward towards barrel) position. Pull the trigger to dry fire, You should hear an audible click. You have now reassembled your Suomi M31SA.



LOADING YOUR SUOMI M31 SA 9MM DRUM MAGAZINE IS THE SAME AS THE TNW PPSH-41SA

Helpful Hints Regarding Your Suomi M31SA Drum Magazine

Loading the drum magazine is not difficult. With a few hints and tips you should be able to enjoy a day at the range without the frustration of picking up spilled ammunition. Let's get started-



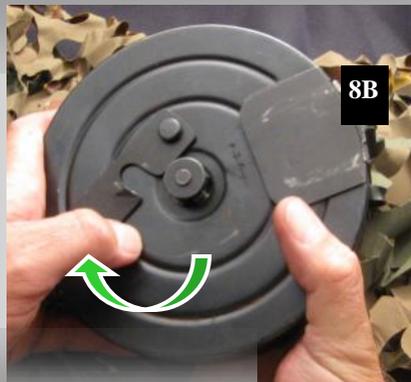
8A

8A

Depress button located on back side of Suomi M31SA drum and hold.

8B

While depressing the latch knob from the back of the drum- slide lock down and away.



8B

Visit our website at TNWFIREARMS.com

8C

Remove Cover Plate



8C

8D Inspect Spring Tension Follower to insure proper installation. (See Photo)



8D

8E



Wind the spring counter-clockwise until it reaches the end. Use caution ! The spring is strong and if it disengages while your body parts are in the mechanism you may suffer injury. You should notice seven to eight audible "clicks" as it passes certain stages.



8E



8F

8F
Break out your best 9mm ammunition.



8G
One of the best ways to load the drum is to tilt the bottom portion towards you and load two rows at a time before slowly rotating the drum to add the additional ammunition.



8G

8H
Once you've got the ammunition situated, replace the cover—being careful not to allow any ammunition to fall over in the drum.



8H1



9H2



8I
After replacing the front cover hold it securely and depress the magazine latch knob on the back of the magazine and HOLD IT! You should hear the spring engage and feel a slight movement in the drum. Keeping the cover held down and the button fully engaged on the back of the drum, slide the lock upwards and secure the magazine latch knob.



8I

The staff and engineers at TNW Firearms wish to take this opportunity to thank you for your purchase and reassure you that we are committed to customer service and presenting a quality product to our customers. We welcome your comments and photos of you and the newest addition to your collection to add to our shop walls. There's no better inspiration than the smiling faces of our customers with their TNW products.

Good Shooting!

The Staff at TNW



A few of our other products...

Visit our demo of the system on the internet at:

http://www.youtube.com/watch?v=JdxH_pS4XWY



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