

SUOMI M31 MANUAL



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).



The Winter War was a result of the major political events taking place in Europe during the 1930s. Until 1917, Finland and the Baltic States had been part of Russia for several generations. Being naturally strong willed and physically imposing, the warriors of Finland prepared for a fight, one which would take place on their soil and in their homes.

Faced with the Finnish intractability, the Soviet Union finally decided to take by force what it could not get through negotiations.

The Suomi M31 became the great equalizer.

Safety

It's your responsibility.

Safety must be the first and constant consideration of every person who handles firearms and ammunition.

The information in this 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 instruction should you practice 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 firearm until you can take an approved safety course.

Personalized instruction is often available from gun dealers, gun clubs or police departments or by contacting the National Rifle Association.



Basic Firearm Safety

- A loaded firearm has the potential to kill. Intelligently handled, it is safe.
- An accident is always the result of neglecting basic safety rules.
- Accident prevention is the responsibility of the user.
- Never point a firearm at anything you don't intend 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 clean and free of debris or obstructions, which can cause barrel bulging or rupture.
- Never assume that the chamber is empty. Visually inspect it every time you handle the gun.
- Never use a firearm while impaired by alcohol or drugs.
- Always wear safety glasses or goggles and hearing protection.
- Store firearms and ammunition separately and beyond the reach of children.

Some Tips Before You Get Started

- Place small parts in a container to prevent their loss.
- Keep several dry rags around for cleaning, gripping and protecting the firearm and its parts from dents and scratches.
- If you are having to force a part into place, step back and take a breather, then tackle the project again.
- Some of the modern super bore cleaners and blasters can ruin a finish and also damage jewelry or eye glasses.

SUOMI M31 Parts

Barrel Shroud with Brake



Barrel



Stock



Bolt



Bolt Handle and Spring



Receiver End Cap



Recoil Spring

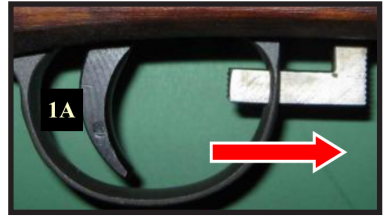


Trigger and Safety Assembly



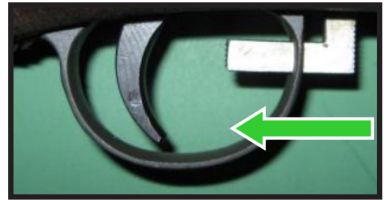
Disassembly Instructions

1) The Suomi M31 has a two position safety. Forward (towards the barrel) indicates the gun is in the FIRE position. Rearward (towards the trigger) indicates the SAFE position.



FIRE

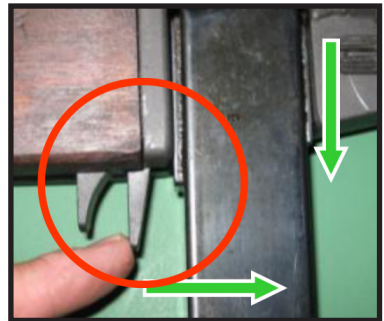
Attempting to cock the gun with the safety in the SAFE position will cause the gun to jam. If there is a round chambered, un-jamming will cause the hammer to fall forward which could possibly fire the chambered round. Always point the firearm in a safe direction before attempting to fix a jam.



SAFE

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

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



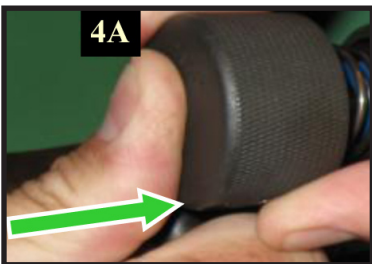
Pull the bolt to the rear and visually inspect the chamber area for ammunition. If ammunition is present, take the firearm to a safe location and remove the ammunition from the firearm before proceeding.



3) 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. CAUTION: The end cap is under spring pressure, so keep it pointed in a safe direction to prevent injury if it is inadvertently released.



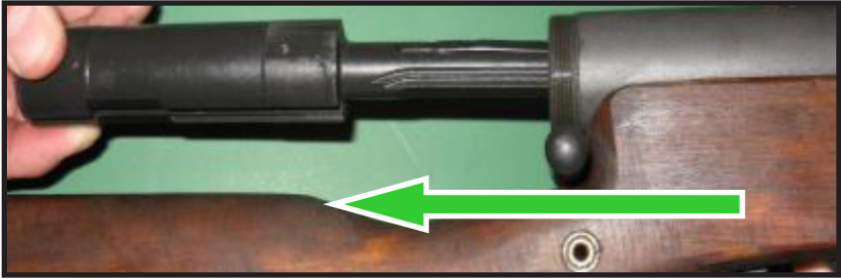
Place one hand on the cocking handle and the thumb of the same hand on the face of the cap. Using your thumb as leverage, pull back on the cocking handle approximately 1.5 inches. This will allow the extruded portion of the handle that locks the end cap in place to clear the channel



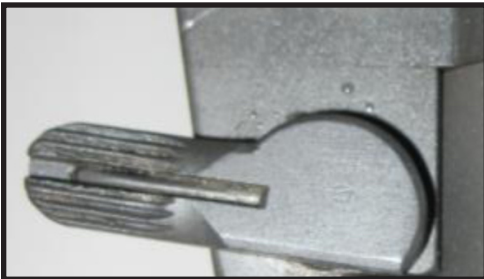
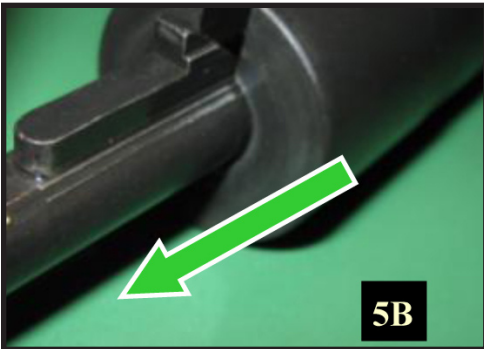
4) While still holding pressure on the end cap, turn it counter-clockwise approximately 7-8 turns. Once the cap is free of the upper receiver, pull out the cap and springs and set them aside.



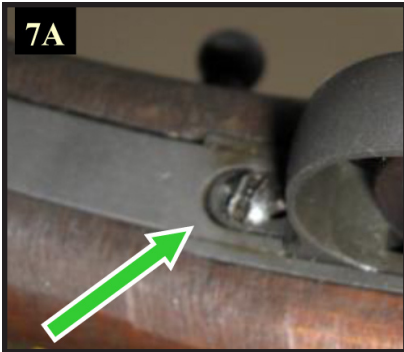
5) Carefully tilt the barrel up until the bolt group slides into your hand. The group will be in two pieces.



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 counter-clockwise 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.



7) Remove the trigger housing. Particular caution should be taken with this step 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 and lift out the trigger housing. This manual will not instruct you on how to disassemble the trigger housing after removal, but you may reference the pictures as to what a complete housing should look like.



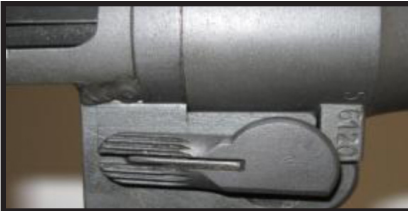
CAUTION: The Suomi M31 is a striker fired firearm. Removing the trigger group while the firearm is loaded will cause the striker to engage and could possibly cause death or injury.

Reassembly Instructions

1) Replace the trigger group and secure with screw.



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



3) Reassemble the two pieces of the bolt group. Reassemble the receiver end cap and springs. Then insert them into the receiver. Pull back the charging handle and align the slot in the cap with the extruded portion of the charging handle. Keeping the end cap pointed safely 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 it in the FIRE (forward) position and pull the trigger to dry fire. You should hear an audible click. Reassembly is complete.



Loading the Drum Magazine

1) Depress the button located on the back side of the Suomi M31 drum and hold.



2) While depressing the latch knob from the back of the drum, slide the lock down and away.



3) Remove the cover plate.

4) Inspect the spring tension follower to ensure proper installation.



5) Wind the spring counter-clockwise until it reaches the end, noticing seven to eight audible clicks as it passes certain stages.

CAUTION: The spring is strong and you may suffer injury if it disengages while your hands are in the mechanism.



6) Tilt the bottom portion of the drum towards you and load two rows at a time before slowly rotating the drum to add the additional ammunition.



7) Once the ammunition is situated, replace the cover being careful not to allow any ammunition to fall over.



8) 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.

