



BLACK MAMBA

Instruction Manual
22 LR Semi-Automatic Pistol



EXCELLENCE IS ESSENTIAL

Warning: Read entire manual before using firearm.
©2022 Volquartsen Firearms. All rights reserved.

WELCOME!

Congratulations on your purchase of one of the finest firearms available — the Volquartsen Black Mamba. Volquartsen Firearms takes great pride in each and every firearm that we produce. Each pistol is meticulously machined using the latest machining technology to ensure that you are completely satisfied with each and every pistol that we manufacture.

If you have any questions or encounter a problem, please be sure to contact us by either phone or email, and we will take care of it immediately. Your Volquartsen Black Mamba comes with a limited lifetime warranty.

712-792-4238

info@volquartsen.com

This instruction manual is designed to assist you in learning the proper use and care for your Volquartsen Black Mamba. However, in no way should this manual be a substitute for proper firearm training. Any alterations or unauthorized repairs to this pistol will void this warranty.



For warranty details visit
Volquartsen.com/warranty

BLACK MAMBA

TABLE OF CONTENTS

Warnings	4
Basic Rules of Firearm Safety	5
General Information	6
Loading	7
Unloading	8
Disassembly	8
Removing the Ambidextrous Safety	9
Reassembly	10
Firing	11
Clearing a Malfunction	11
Barrel Cleaning	13
Ammunition	13
Additional Information	14

WARNINGS

Read the instructions and warnings in the manual before operating this firearm.

This instruction manual contains operating, care, and maintenance instructions. Failure to follow the instructions and warnings in this manual can void the warranty. Failure to follow the instructions and warnings can also lead to accidents resulting in injury or death.

This instruction manual should be kept with this firearm at all times. This instruction manual should be transferred with it upon change of ownership.

There is no such thing as a foolproof firearm!

**FIREARM SAFETY
IS YOUR
RESPONSIBILITY!**

BLACK MAMBA

BASIC RULES OF FIREARM SAFETY

1. Before using any firearm, learn the mechanical and handling characteristics of your firearm.
2. Never point the muzzle in an unsafe direction.
3. Be sure to unload the firearm when not in use.
4. Check the barrel before shooting. Take care to make sure there are no obstructions.
5. Check your target thoroughly before shooting. Take note of anything or anyone close by.
6. Wear protective shooting glasses and hearing protection when shooting.
7. Never climb a tree, fence, or other structure with a loaded firearm.
8. Never shoot at any hard surface or at water.
9. Never transport a loaded firearm.
10. Never use any firearm when under the influence of alcohol or drugs.

GENERAL INFORMATION

Before disassembling or working with your Volquartsen Black Mamba, be sure it is unloaded.

Alterations

Your Volquartsen Black Mamba is designed to operate and function properly when it left the factory. Any alterations can cause the firearm to become unsafe. **DO NOT** substitute any part or accessory that is not produced by Volquartsen Firearms. If a repair becomes necessary for any reason, please contact us so we can repair your firearm properly. Any alterations of this pistol by anyone other than Volquartsen Firearms will void the warranty and any subsequent work needed will be charged at our full shop rate.

Trigger Mechanism

WARNING! MAGAZINE DISCONNECT HAS BEEN REMOVED IN THIS PISTOL. PISTOL WILL FIRE WITHOUT THE MAGAZINE INSTALLED. Your Volquartsen Black Mamba features a target trigger that has been preset for trigger pull weight and optimal performance. It features internal parts made to exacting tolerances. Any modifications to this unit or its parts can cause the firearm to malfunction and/or become unsafe. Any alterations to the trigger mechanism by anyone other than Volquartsen Firearms

BLACK MAMBA

will void the warranty and any subsequent work needed will be charged at our full rate.

Manual Safety

The safety locks the sear when it is in the “S” position. You can only engage the safety after your Volquartsen Black Mamba Pistol is cocked. The safety should always be in the safe “S” position unless the firearm is being fired. Never rely on a safety mechanism to justify careless handling or allowing the gun to be pointed in an unsafe direction. The only way to ensure safety is when the bolt is open, the chamber is empty, and there is no magazine in the firearm.

Handling

The firearm may fire if it is mishandled, dropped, or struck with the safety in the “fire” position. Always make sure the chamber is empty and the magazine is removed when the firearm is not being used.

LOADING

First, insert the loaded magazine into the pistol. Then load a cartridge into the chamber by pulling the bolt back. Activate the bolt release and release the bolt to let it go forward. The pistol is now fully loaded and the safety should be set to the “S” position until you are ready to fire the weapon.

UNLOADING

Your Volquartsen Black Mamba can also be fired as a single shot pistol. The pistol should NOT be considered unloaded if the magazine is not in the pistol. To properly unload your firearm, first, make sure the safety is in the “safe” position, remove the magazine, pull the bolt to the rear, and eject the chambered cartridge.

Your final step is to visually inspect the chamber.

DISASSEMBLY

- 1 Ensure that the firearm is clear; no magazine inserted and the chamber is clear.
- 2 Engage the safety so that the pistol is on safe. (Fig 1)
- 3 While holding the upper with one hand and the frame in the other, press the take-down button that is located below the rear of the bolt. (Fig 2)



BLACK MAMBA



4 With the take-down button pressed in, rotate the upper downwards so that it clears the bolt stop pin. (Fig 3)

5 The upper can now be lifted straight off the frame. (Fig 4)



6 To remove the bolt from the upper, simply pull the bolt straight back on the bolt handle. (Fig 5)

7 The Hogue® Grip can be removed by using a $\frac{3}{32}$ " hex wrench. (Fig 6)



REMOVING THE AMBIDEXTROUS SAFETY

1 To remove the ambidextrous safety you will have to remove the grip from the frame.



2 Once grips are removed, using a $\frac{1}{16}$ " hex wrench remove the right side safety lever. (Fig 7)

3 Install the supplied spacer in place of the safety lever using a $\frac{1}{16}$ " hex wrench. (Fig 8)

4 Install Hogue® grip with original screws with a $\frac{3}{32}$ " hex wrench. (Fig 9)



REASSEMBLY

1 Make sure the safety is in the safe position. (Fig 10)



2 Insert the bolt fully into the upper receiver. (Fig 11)



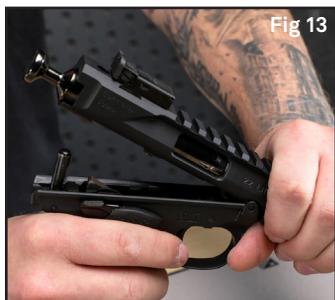
3 Place the upper receiver on top of the frame so the notch in the upper aligns with the pivot pin in the frame. (Fig 12)

4 Rotate the upper receiver down on to the bolt stop pin. (Fig 13)

5 Gently squeeze the upper receiver and the frame together until the upper receiver locks into place. (Fig 14)

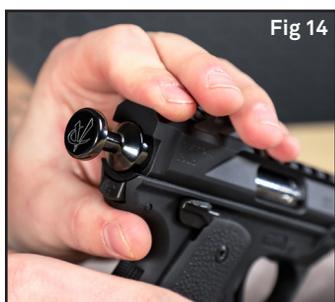


BLACK MAMBA



- 6 Check to make sure that the upper receiver and frame are firmly together and can't be pulled apart.

FIRING



Once the safety is switched to the fire position (**Fig 15**), your Volquartsen Black Mamba Pistol will fire with each pull of the trigger. Firing will automatically reload the pistol. Switch the safety back to the safe “S” position if you do not intend to immediately continue firing. Be sure to keep your face and hands away from the ejection port.



The bolt will remain open after the magazine is empty. (**Fig 16**)

CLEARING A MALFUNCTION



Any firearm may malfunction or jam. One of the easiest ways to prevent this is to keep the chamber clean. If a cartridge jams, **DO NOT FORCE IT**. A hard impact on the rim can

ignite the ammunition. If a jam or malfunction should occur, follow these steps in order to clear the malfunction:

- 1** Point the muzzle in a safe direction.
- 2** If possible, remove the magazine before proceeding to the next step.
- 3** Pull the bolt handle rearward and lock the bolt open with the bolt hold open latch before attempting to clear the jam or malfunction. The jammed cartridge may clear itself when you retract the bolt, so keep your face away from the ejection port during this operation.
- 4** If the cartridge did not eject on its own when you retracted the bolt, be sure to use only wood tools to remove the jam. This will help prevent a live cartridge from being ignited. A wooden dowel with a pointed end is recommended. The use of metal tools or objects may damage the chamber as you attempt to clear the jam.
- 5** Before resuming firing, visually check and make sure the firearm is cleared of any cartridge(s) that were involved in the malfunction incident.

BLACK MAMBA

6 If there are ANY questions or problems regarding a malfunction, be sure to contact us at Volquartsen Firearms.

BARREL CLEANING

The barrel should be cleaned only from breech to muzzle using a pull-through cleaning system. Lock the bolt open using the bolt hold open feature. Any use of a cleaning rod from the muzzle end will void the warranty and greatly affect accuracy. Volquartsen Firearms recommends that the barrel be thoroughly cleaned approximately every 500-600 rounds. It may be necessary to clean the chamber on a more frequent basis using only a cotton swab.

AMMUNITION

Always wear protective shooting glasses and hearing protection when firing your Volquartsen Black Mamba.

This firearm is designed to function with 22 Long Rifle (22 LR) ammunition. CCI® Stinger ammo is **NOT RECOMMENDED** in this pistol due to the oversized cartridge. Use of CCI® Stinger ammo can cause a bore obstruction and will void the warranty. Due to the tight bore tolerances, certain ammo may not be able to be manually extracted. Volquartsen will rechamber your barrel for manual extraction if needed.

ADDITIONAL INFORMATION



To learn more about cleaning and operating your Volquartsen Black Mamba, visit our videos page at: volquartsen.com/videos

If you have any problems or questions concerning your Volquartsen Black Mamba, please do not hesitate to contact us at:

Volquartsen Firearms

PO Box 397

24276 240th Street

Carroll, IA 51401

712-792-4238

Volquartsen.com



GREAT ACCESSORIES

FOR YOUR

BLACK MAMBA

VOLQUARTSEN.COM



HOLSTER FOR BLACK MAMBA

The search is over! This holster by LAG Tactical is the perfect match for your Black Mamba. Whether it's competition day, range day, or just walking around; this holster will keep your pistol safe and secure.

Holsters are available for all Black Mamba models.

BREAKTHROUGH® BATTLE ROPE™

The perfect on-the-go cleaning option for those needing a quick and efficient clean on the range. The integrated bronze brush scrubs away stubborn carbon, while the extra-thick rope wipes up residue.

BREAKTHROUGH® ALL-IN-ONE CLP

This biosynthetic CLP is expertly crafted using the finest base oils, additives, and most effective solvents that modern chemistry has to offer. Providing superior 2-in-1 cleaning and lubrication; it removes carbon fouling, oil, and grime. While penetrating deep to provide protection from rust and corrosion, all while minimizing friction and wear from metal-to-metal contact.

CLEANING MAT

The soft polyester top will ensure your gun doesn't get scratched while the neoprene rubber backing on the mat will keep everything in place and prevent your work surface from sliding around.



@volquartsen_firearms



@volquartsen



@volquartsencustom



@volquartsenguns