

SABRE[®]

SL7 Semi-Automatic 0.68 Caliber Projectile Launcher

Owner's Manual



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CONGRATULATIONS on your purchase of a SABRE SL7 Launcher. Your SL7 will provide many years of dependable service if cared for properly. Please take time to read this manual thoroughly and become familiar with your SABRE SL7 parts, operation, and safety precautions before you attempt to load or deploy this SL7. This manual should be used as a reference when performing routine maintenance.

If you need assistance, please contact SABRE Customer Service at 636-343-0200 or toll free at 800-325-9568 for fast, friendly service.

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WARNING

THIS SL7 PROJECTILE LAUNCHER IS NOT A TOY, AND IS INTENDED FOR PERSONAL AND HOME DEFENSE (WHERE LEGALLY PERMITTED), MILITARY, LAW ENFORCEMENT, CORRECTIONAL OFFICERS, PRIVATE SECURITY GUARDS, BAIL ENFORCEMENT AGENTS, AND OTHER AUTHORIZED PERSONNEL. MISUSE MAY CAUSE SERIOUS INJURY OR DEATH. READ THIS OWNER'S MANUAL BEFORE USING THIS PRODUCT. THIS LAUNCHER DISCHARGES PROJECTILES FROM THE BARREL.

SAFETY IS YOUR RESPONSIBILITY!

READ AND FAMILIARIZE YOURSELF AND ANY OTHER USER OF THIS LAUNCHER WITH THE SAFETY INSTRUCTIONS IN THIS MANUAL. FOLLOW THESE INSTRUCTIONS WHEN USING, MAINTAINING, TRANSPORTING, OR STORING THIS LAUNCHER. EXCEPT WHEN USING THE SL7, ALWAYS MAKE SURE THAT THE TRIGGER SAFETY (ARROW) IS IN THE SAFE POSITION.



NEVER USE INDOORS UNLESS PROTECTING YOURSELF OR YOUR FAMILY AGAINST AN INTRUDER. ALL TRAINING AND PRACTICE MUST TAKE PLACE OUTDOORS AND AGAINST A STRUCTURE SUCH AS A CONCRETE OR BRICK WALL. PROJECTILES CAN TRAVEL OVER 200 FEET (61 METERS). TO PREVENT INJURIES OR PROPERTY DAMAGE, NEVER DEPLOY AT PEOPLE OR OBJECTS DURING TRAINING. ONLY DEPLOY AT THE PRACTICE TARGET THAT HAS BEEN SECURED TO A CONCRETE OR BRICK WALL. NEVER DEPLOY A LIVE ROUND DURING TRAINING.

SAFETY INSTRUCTIONS ARE ON PAGE 5.

Limitations and Usage

There are some state and local limitations on purchase, possession and use of the SL7. Verify local legal requirements in your state and city to ensure possession and use are proper. The user assumes the liability from unsafe or improper use or any action which constitutes a violation of any applicable law or regulation.

The SL7 Launcher may be prohibited from certain premises, including government buildings, airports, courthouses, schools, or other public spaces. Possessing a SL7 in a prohibited area may subject user to criminal liability.

Warning/Liability Statement

If misused, this SL7 Launcher can cause serious injury or death. The Launcher is surrendered by Security Equipment Corporation (“SABRE”) with the understanding that the purchaser assumes all liability resulting from unsafe handling or any action that constitutes a violation of any applicable laws or regulations. SABRE shall not be liable for personal injury, loss of property or loss of life resulting from the use of this weapon under any circumstances, including intentional, reckless, negligent or accidental discharges.

All information contained in this manual is subject to change without notice. SABRE reserves the right to make changes and improvements to products without incurring any obligation to incorporate such improvements into products previously sold.

If you as a user do not accept liability, SABRE requests you do not use a SABRE Launcher. By using this projectile Launcher, you release SABRE of any and all liability associated with its use.

SAFETY IS YOUR RESPONSIBILITY!

WARNING

Except when your Launcher is in use, always make sure that the trigger safety is in Safe mode.

To turn ON the Trigger Safety (Safe mode), push in the safety (see arrow) as shown.



To turn OFF the Trigger Safety (Fire mode), push in the safety from the opposite side of the receiver.

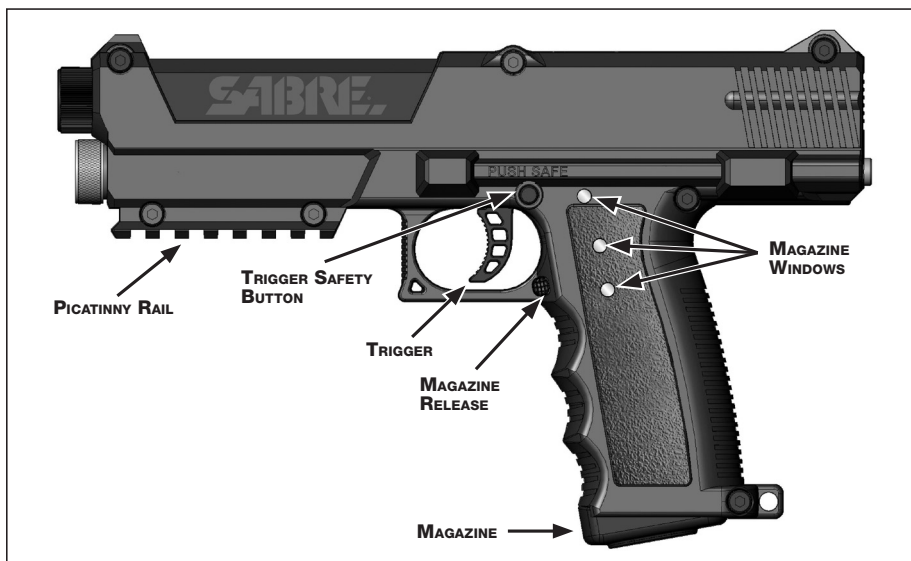
By purchasing this Launcher, you assume total responsibility for its safe and lawful use. You must observe the same precautions as you would with any firearm to assure the safety of yourself and everyone around you. The operator should use caution at all times when using, maintaining, or otherwise handling the Launcher.

This Launcher cannot be sold to minors, convicted felons, those convicted of a misdemeanor crime of domestic abuse or chemically dependent. MUST be 18 and have no legal disabilities to order.

- Do not load or deploy this Launcher until you have completely read this manual and are familiar with its safety features, mechanical operation, and handling characteristics.
- Handle the Launcher as if it were loaded at all times.
- Keep your finger off the trigger until ready to shoot.
- Do not look down the barrel of the Launcher. Accidental discharge into the eyes may cause permanent injury or death.
- Keep the Launcher in Safe mode until ready to use (see Warning message above).
- Never point or discharge the Launcher at anything you do not intend to shoot.
- Always keep the muzzle pointed down or in a safe direction, even if you stumble or fall.
- Never launch at the head, face, eyes, ears, throat, or spine.
- We recommend loading the Launcher only when it will be immediately used.
- Do not disassemble this Launcher while it is pressurized with air supply.
- Do not pressurize this Launcher while it is disassembled.
- Keep exposed skin away from escaping gas when installing or removing the air cylinder, or if the Launcher or air supply is leaking.
- Use only SABRE projectiles in this Launcher - never load or shoot foreign objects. The use of any other projectile in the Launcher may result in product malfunction or failure, and voids all warranties. SABRE accepts no responsibility for product performance or results should the Launcher be used with any projectile(s) other than SABRE projectiles.

Getting Started

- Do not pressurize a partially assembled Launcher.
- Read each step completely before performing the step.
- Review the image below to familiarize yourself with the location of SL7 features.
- For more information and instructional videos on how to use and maintain your SABRE SL7 Launcher, visit www.sabrered.com/launcher-warranty.



WARNING

Keep exposed skin away from gas escape points (arrows) when installing or removing a CO2 cartridge, or if the Launcher is leaking. CO2 gas is very cold, and can cause frostbite under certain conditions.



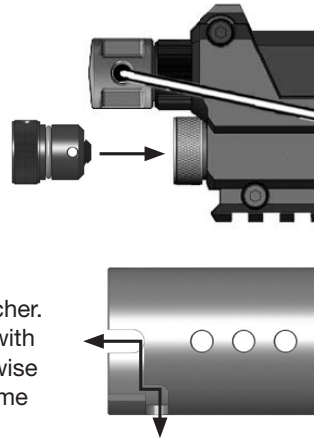
WARNING: 12 Gram CO2 Cartridge

Contents under pressure. The 12 gram CO2 cartridge is not a toy. Once punctured, shoot until all cartridge gas is used. Once punctured, the cartridge will leak air until it is completely empty within a 24-hour period. Do not transport pressurized CO2 cartridges by air. Do not refill this cartridge. Do not alter or modify this cartridge in any way. Do not manipulate or incinerate. Do not expose to heat or store above 120°F (49°C). Improper use, storage, or disposal of this CO2 cartridge may result in personal injury, property damage, and/or death. Keep CO2 cartridges away from children. Not for human consumption. One time use only.

1. CO2 Cartridge Installation

Do not pressurize a partially assembled Launcher.

- Put the Trigger Safety in Safe mode (see page 5).
- Remove the CO2 Cap. This CO2 Cap has a safety feature. You must push in while turning the CO2 Cap counterclockwise until it stops. Next, pull the CO2 Cap outward and turn counterclockwise again until it stops. The CO2 Cap can now be removed from the Launcher.
- Insert the small end of the cartridge into the Launcher.
- Replace the CO2 Cap. Align the CO2 Cap's tabs with the slots, push in on the CO2 Cap and turn clockwise until it stops. Push in on the CO2 Cap a second time while turning the CO2 Cap clockwise.



NOTE: The CO2 cartridge is not punctured during installation. Once you move the Trigger Safety to Fire mode, the first pull of the Trigger punctures the CO2 cartridge. You can hear the CO2 cartridge pressurize the Launcher. Your Launcher is now ready to deploy on the next Trigger pull. Each 12 g cartridge will deploy at least 14 shots before losing full power. Do not store your Launcher with a punctured CO2 cartridge. Once punctured, a CO2 cartridge will leak air until it is completely empty within a 24-hour period. If you wish to store your Launcher ready to deploy, you can keep an unpunctured cartridge in the Launcher. **When you need to use the Launcher, remember that the first trigger pull punctures the cartridge and the next trigger pull deploys a round.**

IMPORTANT: If your Launcher begins to leak gas, keep exposed skin away from the escaping gas (the arrows in the WARNING illustration on page 6 show gas escape points) and follow *CO2 Cartridge Removal* instructions on page 9 and then go to *Troubleshooting* on page 11.

NOTE: If your Launcher does not shoot after you have loaded and punctured your CO2 cartridge, put the Trigger Safety back into Safe mode (see page 5) and go to *Troubleshooting* on page 11.

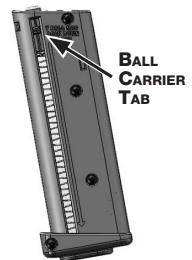
2. Removing the Magazine and Loading

The Trigger Safety must be in Safe mode (see white arrow at right and also see page 5).

- To remove the Magazine, push in the Magazine Release button and the Magazine ejects out the bottom of the grip.
- The Ball Carrier inside the Magazine has two tabs, one on each side of the Magazine. To load the Magazine, push down on the Ball Carrier tabs until the Ball Carrier locks in place near the bottom of the Magazine. (It automatically releases when inserted into the Launcher.)
- Keep the Magazine vertical as shown and insert one round at a time into the top of the Magazine. The Magazine holds seven rounds. Rounds in the Magazine are not under spring pressure until the Magazine is inserted into the Launcher.

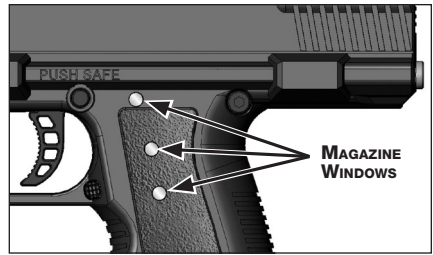


MAGAZINE RELEASE



BALL CARRIER TAB

- d. To insert a loaded Magazine into the Launcher, slide the Magazine into the grip until you hear it lock into place. Change the Trigger Safety to Fire mode only when you are ready to shoot. The Magazine Windows allow you to see when you are low on rounds in the Magazine.



3. Deploying/Shooting the SL7

Point the Launcher in a safe direction. Move the Trigger Safety from Safe mode to Fire mode. If the CO2 cartridge has not been punctured, the first trigger pull will puncture the cartridge. Pull the Trigger to deploy the Launcher. Each pull of the Trigger fires one round.

4. Unloading the Magazine

- a. Push the Magazine Release button to release the Magazine from the SL7 grip. When removing the Magazine, two loose rounds might drop from inside the grip.
- b. Inspect the breech chamber for a round. NEVER look down the barrel of the Launcher. The Breech Window (black arrow at right) on top of the receiver provides a way to check for a round in the breech chamber. Point the Launcher in a safe direction and pull the trigger (dry fire) to clear the Launcher of any remaining rounds. Put the Trigger Safety in Safe mode (see page 5).



! WARNING

Not seeing a round in the Breech Window does not indicate that the Launcher is unloaded or safe.

- c. Push the Magazine's Ball Carrier down until it locks into place (see step 2.b.) to take pressure off any remaining rounds in the Magazine. You can then reload any loose rounds back into the Magazine.
- d. To remove all rounds from the Magazine, press down on the top of the Carrier Release Armature with a flat object, and any remaining rounds are pushed out the top of the Magazine.



Velocity Adjustment

SABRE does not recommend making any changes to the velocity, and the user accepts all liability for any adjustments made to the SL7.

NOTE: This Launcher has a self-adjusting Regulator Pressure Relief Valve that vents excessive CO2 pressure that could damage your Launcher and is factory set at 350 psi. It vents excessive gas pressure out the access point.

CO2 Cartridge Removal

WARNING

Keep exposed skin away from gas escape points (arrows) when installing or removing a CO2 cartridge, or if the Launcher is leaking. CO2 gas is very cold, and can cause frostbite under certain conditions. Eye protection must be worn by the user.



Do not store the SL7 with a punctured CO2 cartridge installed. You may store the SL7 with an unpunctured CO2 cartridge installed.

Do not disassemble the Launcher with the CO2 cartridge (punctured or unpunctured) installed. We never recommend disassembling the Launcher.

Read each step completely before performing the step.

Removing an Unused CO2 Cartridge (Non-Punctured)

1. Put the Trigger Safety in the Safe mode (see page 5).
2. Press the Magazine Release button and the Magazine ejects out of the grip.

NOTE: When removing a loaded Magazine from the Launcher, two loose rounds might drop from the grip. Pull the Magazine's Ball Carrier down until it locks to take spring pressure off the rounds, and reload any loose rounds back into the Magazine.

3. Keep the Launcher pointed in a safe direction, and remove the CO2 Cap.
 - a. Push in and turn the CO2 Cap counterclockwise until it stops. Then pull out until it stops to partially unscrew the cap. **NOTE:** The cap should be easy to turn; if you are unable to turn it, or if it is difficult to turn, the cartridge has been punctured and you must follow the instructions *Removing a Used CO2 Cartridge (Punctured)*.
 - b. Turn the CO2 Cap a second turn counterclockwise until it stops and pull it out. The CO2 cartridge will then slide out.
4. Replace the CO2 Cap. Align the cap pins with the pin guides. Push the cap in and turn clockwise. Push the cap in a second time and turn clockwise.

Removing a Used CO2 Cartridge (Punctured)

NOTE: A punctured CO2 cartridge must be emptied before it is removed.

1. Put the Trigger Safety in Safe mode (see page 5).
2. Press the Magazine release button and the Magazine ejects out of the grip.

NOTE: When removing a loaded Magazine from the Launcher, two loose rounds might drop from the grip. Push the Magazine's Ball Carrier down until it locks to take spring pressure off the rounds, and reload any loose rounds into the Magazine.

3. Go to a safe firing area.
4. Point the Launcher in a safe direction, move the Trigger Safety to Fire mode, and fire until there is no CO2 left in the cartridge. **NOTE:** If you have a punctured cartridge in your Launcher and the Launcher will not deploy, follow the instructions below, *Release Pressure From a SL7 That Will Not Deploy*.
5. Put the Trigger Safety in Safe mode (see page 5).
6. Visually inspect the chamber for rounds through the Magazine opening at the bottom of the grip.
7. Keep the Launcher pointed in a safe direction during CO2 Cap removal.
 - a. Keep exposed skin away from escaping CO2 - the arrows in the WARNING illustration on page 9 show CO2 escape points. Push in and turn the CO2 Cap slowly counterclockwise until it stops, and pull until it stops to partially unscrew the cap, then wait as any remaining CO2 in the cartridge escapes before performing step (b).
 - b. Turn the CO2 Cap a second turn counterclockwise until it stops and pull it out. The empty cartridge then slides out.
8. Replace the CO2 Cap by aligning the CO2 Cap pins with the pin guides and pushing the Cap in while turning clockwise. Push the Cap in a second time, turn clockwise, and release.

Release Pressure from a SL7 that Will Not Deploy

Only use this procedure if Launcher will not deploy and the CO2 cartridge has been punctured. Put the Trigger Safety in Safe mode (page 5). Remove the Magazine as outlined in *Removing a Used CO2 Cartridge (Punctured)* (see above).

Keep Launcher pointed in a safe direction during CO2 Cap removal. Keep exposed skin away from escaping gas as it rushes out at the gas release points (see arrows in Warning on previous page).

Use a 3/16" Hex key (see right) to remove the Locking Set Screw, and then slowly loosen the Adjusting Set Screw to empty CO2 from the cartridge. Remove and dispose of the CO2 cartridge.



Troubleshooting

PROBLEM: You have successfully loaded and punctured a new CO2 cartridge and put the Trigger Safety in Fire mode. Your Launcher will not fire and you can't get the CO2 cartridge out of the Launcher.

SOLUTION: Put the Trigger Safety in Safe mode (see page 5). Remove the Magazine as outlined in *Unloading the Magazine* (see page 8). Follow the instructions *Release Pressure from a SL7 that Will Not Deploy* on page 10.

PROBLEM: Magazine will not feed rounds correctly.

SOLUTION: Clean the Magazine with a damp towel to wipe off grease and debris. Dry springs immediately, if necessary, to help prevent formation of rust.

NOTE: If a problem still exists, contact SABRE Customer Service at 636-343-0200 or toll free at 800-325-9568.

Cleaning & Maintenance

Always wear eye protection (like safety glasses) when cleaning or performing maintenance on your SL7. To reduce the chance of an accidental discharge, follow *CO2 Cartridge Removal* instructions on page 9. SABRE never recommends disassembling your Launcher and never disassemble a Launcher that is under pressure. Clean and lubricate your Launcher with marker grease after approximately 5,000 shots.

- Familiarize yourself with instructions and follow warnings on CO2 cartridge packaging for use, handling, storage and disposal. Contact the CO2 cartridge manufacturer with any questions.
- Petroleum based products and aerosol products can damage O-Rings. Do not use any petroleum based cleaning solvents. Do not use any cleaning solvents that come in aerosol cans.
- Clean your Launcher using a damp towel to wipe off paint, grease, and debris. To clean inside the barrel, turn the barrel counterclockwise and remove. Push the cable of the squeegee through the barrel, then pull the squeegee through to remove debris.
- To clean the breech and barrel with the Magazine removed, push the cable of the squeegee up into the grip and out the barrel, then pull the squeegee through to remove debris.
- Clean the Magazine with a damp towel to wipe off grease and debris. Dry springs immediately to help prevent rusting.

Storage

Before storage, follow the Unloading the Magazine instructions on page 8 and CO2 Cartridge Removal instructions on page 9.

Put the Trigger Safety in Safe mode (see page 5). You should store your Launcher in a dry area. Before storing your Launcher, make sure that the Launcher is cleaned and lubricated (see Cleaning & Maintenance on page 11).

When removing your Launcher out of storage, make sure that the Trigger Safety is in Safe mode (see page 5).

Specifications

Model	SABRE SL7
Caliber	0.68
Action	Semi-Automatic (Open Bolt Blow Forward)
Power/Propellant.....	12 gram CO2
Shots per 12 gram CO2 cartridge	at least 14
Feed	Magazine (spring feed)
Magazine Capacity.....	7 rounds
Cycle Rate	1 trigger pull = 1 shot (6 per second)
Standard Barrel Length	6.25" / 15.875 cm
Overall Length (with standard barrel)	10.8" / 27.43 cm
Weight (without 12 gram CO2 cartridge or rounds)	1.81 lbs. / .821 kg
Effective Range66 ft. / 20 m*
Velocity	Pre-set to 330 feet per second
	(based upon a 3 g 0.68 caliber round)

* The SL7 is accurate up to 66 ft/20m, but projectile will break on contact to objects up to 175 ft. / 53 m away.

Warranty and Repair Information

Security Equipment Corporation (“SABRE”) is dedicated to quality products and outstanding service. In the unlikely event of a problem with this SABRE Launcher (“Launcher”) and/or accessories (“Accessories”), customer service personnel are available to assist you. For customer service and/or other information, please contact:

Security Equipment Corporation
747 Sun Park Drive
Fenton, MO 63026
customersupport@sabred.com
Phone: 636-343-0200
Toll Free: 800-325-9568

Limited Warranty

SABRE warrants to the original purchaser that it will make any repairs or replacements necessary to correct defects in material or workmanship, at no charge to you, for the Launcher for a period of two (2) years from the date of original retail sale. Further, SABRE warrants to the original purchaser that it will make any repairs or replacements necessary to correct defects in material or workmanship, at no charge to you, for SABRE Accessories for a period of ninety (90) days from the date of original retail sale.

To activate your 2-year limited warranty, register your SL7 Launcher online at sabred.com/launcher-warranty. Keep your proof of purchase in a safe place, you will need to provide it in the event of a warranty claim.

All SABRE asks is that you properly maintain and care for the Launcher and Accessories (collectively, the “Product”) and that you have warranty repairs performed by our Certified Tech Center.

This Limited Warranty is non-transferable, and it does not cover damage or defects to the Product caused by (a) improper maintenance; (b) alteration or modification; (c) unauthorized repair; (d) accident; (e) abuse or misuse; (f) neglect or negligence; and/or (g) normal wear and tear.

SABRE does not authorize any person or representative to assume or grant any other warranty obligation with the sale of this Product.

THIS IS THE ONLY EXPRESS WARRANTY GIVEN WITH THE PURCHASE OF THIS PRODUCT; ANY AND ALL OTHER EXPRESS WARRANTIES ARE DISCLAIMED. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE APPLICABLE LIMITED WARRANTY PERIOD SET FORTH HEREIN, AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, SHALL APPLY AFTER EXPIRATION OF SUCH PERIOD.

Some states and nations do not allow limitations on the duration of implied warranties, so the above limitation may not apply to you.

The sole and exclusive liability of SABRE and/or its authorized dealers under this Limited Warranty shall be for the repair or replacement of any part or assembly determined to be defective in material or workmanship.

SABRE SHALL NOT BE LIABLE FOR, AND YOU EXPRESSLY DISCLAIM, ANY DIRECT, INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES (COLLECTIVELY, "DAMAGES") ARISING OUT OF THE SALE OR USE OF, OR YOUR INABILITY TO USE, THE PRODUCT. NO PAYMENT OR OTHER COMPENSATION WILL BE MADE FOR DAMAGES, INCLUDING INJURY TO PERSON OR PROPERTY OR LOSS OF REVENUE WHICH MIGHT BE PAID, INCURRED OR SUSTAINED BY REASON OF THE FAILURE OF ANY PART OR ASSEMBLY OF THE PRODUCT.

Some states and nations do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that may vary from state to state or nation to nation.

Warranty and Non-Warranty Repairs

When shipping the Product to SABRE for warranty or non-warranty repair:

1. In order to return an item or send for repairs, you must have a Return Authorization number prior to sending. Any item returned to SABRE or sent for repairs without prior consent will not be processed.
2. To obtain a Return Authorization number, contact SABRE Customer Service at 636-343-0200 or toll free at 800-325-9568 or email customersupport@sabrered.com
3. If you have aftermarket parts on your Launcher, please test the Launcher with original stock parts before returning the Launcher for service or repair. Before sending your SL7 for repairs, remove any aftermarket parts so only original parts are attached.
4. Always unload (page 8) and remove the CO2 cartridge from the Launcher (page 9). Do not ship the CO2 cartridge.
5. Ship the Product to:

SABRE
Service Department
2955 Adams Center Road
Fort Wayne, IN 46803

6. You must pre-pay postage and delivery charges.
7. Provide the date of purchase for the Product.
8. Briefly describe the repair requested.
9. Include your name, return address, and a telephone number where you can be reached during normal business hours, if possible.

SABRE makes every effort to complete its repair work as quickly as possible. SABRE will return the Product to you via regular ground UPS. If you wish to have it returned using a faster service, you can contact your SABRE representative.

NOTES

Security Equipment Corporation

747 Sun Park Drive

Fenton Missouri 63026 USA

Phone: 636-343-0200

Toll Free: 800-325-9568

www.sabred.com