WARNING

THIS LAUNCHER IS NOT A TOY AND IS INTENDED FOR USE BY MILITARY, LAW ENFORCEMENT, CORRECTIONAL OFFICERS, PRIVATE SECURITY GUARDS, BAIL ENFORCEMENT AGENTS AND OTHER AUTHORIZED PERSONNEL. THIS PRODUCT LAUNCHES PROJECTILES FROM THE BARREL. MISUSE MAY CAUSE SERIOUS INJURY OR DEATH. ALWAYS MAKE SURE THAT THE TRIGGER SAFETY IS IN THE “SAFE MODE”, EXCEPT WHEN THE LAUNCHER IS IN USE. SEE ADDITIONAL SAFETY GUIDELINES AND USER INSTRUCTIONS IN THIS MANUAL. KEEP OUT OF REACH OF CHILDREN.
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Thank you for your purchase of this PepperBall® launcher.

This launcher has been designed by United Tactical Systems, LLC. (UTS) for reliability, accuracy and durability. When properly handled, this launcher will give many years of dependable service. Please take the time to read through this manual and become familiar with the safety precautions, parts, operation and maintenance before you attempt to load or fire this launcher. This manual is a supplement to the recommended training. It should be used when training for proper use, required certification or performance of recommended maintenance.

By acceptance of this launcher, you and the user assume total responsibility for its safe and lawful use. The user must observe the same safety precautions as they would with any firearm and should use caution at all times when using, maintaining or otherwise handling this launcher.

Please read this entire user manual before attempting to operate this launcher.
WARNING/LIABILITY STATEMENT

WARNING: This PepperBall® launcher is a dangerous weapon.

The user assumes all liability from unsafe handling or any action that constitutes a violation of any applicable laws or regulations. United Tactical Systems, LLC. (UTS) 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 any intentional, reckless, negligent or accidental discharges. By using this PepperBall® launcher, you release UTS of any and all liability associated with its use.

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

IF YOU DO NOT ACCEPT LIABILITY, DO NOT USE THIS OR ANY PEPPERBALL® LAUNCHER.

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WARNING

TRIGGER SAFETY ACTIVATION

- Except when your launcher is in use. ALWAYS
  MAKE SURE THAT THE TRIGGER SAFETY IS IN SAFE
  MODE, which disables the trigger.
- TO ENGAGE THE SAFETY (SAFE MODE): Push the
  safety in as shown in Fig. 1.
- TO DISENGAGE (FIRE MODE): Push the same button
  on the opposite side of the receiver.

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WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
SAFETY

SAFETY IS YOUR RESPONSIBILITY!
The safety information below contains important warnings related to the proper use of the launcher, projectiles and CO2 canisters. Do not load, discharge or otherwise use this launcher until you have completely read this manual and are familiar with its safety features, mechanical operation and handling characteristics.

• **DANGER**: Never aim at the face, eyes, ears, throat or spine.
• **DANGER**: Never look down the barrel of the launcher. Accidental discharge into the eyes may cause permanent injury or death.
• Eye, face and ear protection should be worn by the user.
• Handle this launcher as if it were loaded at all times.
• Keep your finger off of the trigger until ready to fire.
• Keep this launcher on safe mode until ready to fire.
• Always keep the barrel pointed down or in a safe direction.
• Never point or discharge your launcher at anything you do not intend to shoot.
• Never discharge your launcher at the personal property of others.
• Do not disassemble this launcher while it is pressurized or attempt to pressurize while it is disassembled.
• Keep exposed skin away from any escaping gas when in use and when installing or removing air supply.
• Use only PepperBall® authorized projectiles in this launcher. The use of any unauthorized projectiles in this launcher will void all warranties.
• The use of any unauthorized accessories or alterations to this launcher, including the use of aftermarket products, will void all warranties.
• If any laser is equipped with this launcher, never point laser directly at eyes and observe all safety warnings associated with the equipped laser.
• Always verify launcher is in safe mode and stored in a safe and secure location when not in use.
SAFETY

PROJECTILES

Recommended Pressures for Optimum Operating Performance of the Equipment

This PepperBall® launcher may have the ability to launch both Round PepperBall® projectiles and Shaped PepperBall® projectiles.

When launching Round PepperBall® projectiles the recommended output velocity range is 280-315 FPS. Exceeding velocities over 315 FPS may have an adverse effect on accuracy.

When launching Shaped PepperBall® projectiles the recommended output velocity range is 280-385 FPS. Exceeding velocities over 385 FPS may increase projectile breakage in the launcher.

Before Use: It is recommended that prior to each use or anytime that a change is made to the type of projectile launching from this PepperBall® launcher, or an adjustment to the velocity setting, the launcher is first verified with a chronograph to assure that the velocities are within the recommended output velocity range.

CO2 CANISTERS OR HIGH PRESSURE SYSTEMS

This PepperBall® launcher does not include a CO2 Canister or High Pressure Air System that is under pressure.

When using this PepperBall® launcher with either a CO2 Canister or High Pressure Air System that is under pressure, then the following WARNING, along with any additional warning listed on the Canister or High Pressure Air System is to be followed.

WARNING - CONTENTS UNDER PRESSURE

Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120°F. Keep out of the reach of children.
NOTE: EVERY FTC COMES STANDARD WITH A TANK ADAPTER TO CONVERT FROM FORWARD FACING HPA BOTTLE TO REAR FACING.
PepperBall® recommends that all operators receive training in the proper use of this or any PepperBall® launcher system prior to its deployment. For a list of upcoming PepperBall® training courses, please visit www.PepperBall.com or call 1-877-887-3773.

GETTING STARTED

WARNING: DO NOT PRESSURIZE A PARTIALLY ASSEMBLED LAUNCHER

1. The High Pressure Air System (HPA) and the On/Off valve are already assembled on your FTC.

2. Put trigger in safe mode (see instructions on safety activation).

3. Cock launcher by sliding the Hammer Cocking Pin all the way back until it locks into place.
   - When launcher is not being used, always keep launcher in the un-cocked position when air supply is attached to the launcher. This will prevent accidental discharge.

4. Place On/Off valve to the OFF position.

5. Pressurize the HPA system bottle to 3000 PSI Max.
   - Always have the HPA system filled with compressed air by a qualified air smith.

6. Place E-loader firmly on hopper elbow and secure.
   - Follow separately supplied E-loader instructions for proper installation.

7. Place On/Off valve to the ON position.

8. Load E-loader with PepperBall® Projectiles.

9. Turn on E-loader as indicated in the E-loader instructions.

10. The launcher is ready to launch projectiles once you switch from SAFE MODE to FIRE MODE located on trigger frame.

**ALWAYS point launcher down and away from unintended targets when not in operation. ONLY point launcher at intended target.**
INSTALLING / USING THE PEPPERBALL® E-LOADER

READ THE SEPARATELY SUPPLIED MANUAL INCLUDED WITH THE PEPPERBALL® E-LOADER PRIOR TO USE

1. Make sure that the feed elbow and hopper are clean and free from any sharp edges to keep your PepperBall® Projectiles feeding smoothly.

2. Tighten the elbow screw located on the Feed Elbow to firmly secure the E-Loader.
   
   **WARNING:** DO NOT over tighten the hopper screw to avoid breaking the hopper neck.

3. Put Trigger in safe mode.

4. When in safe mode, you are now ready to load your E-Loader with PepperBall® Projectiles.

5. Fill the E-Loader with PepperBall® Projectiles.

6. Follow the separate instructions to turn on and operate the E-Loader.

   The PepperBall® FTC system is ready to launcher projectiles

PEPPERBALL® SINGLE POINT SLING

The FTC system comes with a PepperBall® single point sling.

To install; simply clip the sling onto the sling attachment located at the rear of your PepperBall® FTC system, then adjust the sling by sliding the adjustment slides to fit for your comfort.
INSTALLING REAR TANK MOUNTING AIR SOURCE ADAPTER (ASA)

WARNING: READ ALL STEPS PRIOR TO STARTING DISASSEMBLY/ASSEMBLY PROCESS.

1. Place FTC in safe mode.

2. Remove all projectiles from the loader and then remove loader from FTC.

3. Slide On/Off valve to OFF position.

4. Remove Air System and On/Off valve from forward Air Source Adapter (ASA).

5. Remove two screws from bottom of forward ASA.
   * Put aside to reuse screws during reinstalling process

6. Use wrench to remove forward ASA from 90° hose adapter.

7. Use wrench to remove 90° hose adapter from stainless steel hose.

8. Use wrench to install rear mounting ASA to the stainless steel hose.

9. Install Rear Tank Mounting ASA with two screws removed in step #5.

10. Reinstall On/Off valve with Air System to Rear Tank Mounting ASA.

11. Test to insure unit has no air leaks from installation.

WARNING: NEVER PUT YOUR EAR CLOSE TO ANY AREA OF THE LAUNCHER OR AIR SOURCE TO LISTEN FOR AIR LEAKS AT ANY TIME. DOING THIS CAN CAUSE SERIOUS PERMANENT INJURY & HEARING LOSS.
FILLING/TESTING HIGH PRESSURE AIR (HPA) BOTTLE

1. Fill HPA System with 1,000 PSI of compressed air.

2. Listen for any air leaking from the 90° hose adapter.

3. Spray a soap and water solution on the valve area to see if any air bubbles are visible.

4. If not, then fill HPA System with 3,000 PSI and respray with soap and water solution.

5. If not air bubbles are visible then your installation is complete.

The PepperBall® FTC system is ready to use.

HPA LEAK TROUBLESHOOTING

In the event that you experience air leaks after installation, then:
If from 90° hose adapter:
1. Uninstall On/Off valve with Air System from Rear Tank Mounting ASA.
2. Uninstall Rear Tank Mounting ASA by removing two screws.
3. Use wrench to uninstall Rear Tank Mounting ASA from the stainless steel hose.
4. Use liquid thread sealant or thread sealant tape on stainless steel hose threads.
5. Repeat steps 7 through 10 above.
6. Repeat test for air leaks steps 1 through 5.
If unit still exhibits air leaking, then call UTS Service Department for assistance.

If air leak is from On/Off valve or HPA system valve:
The most common cause for leaks are from the bottle valve O-ring being damaged. Both the On/Off valve and/or the HPA System have a urethane O-ring installed at the tip of the valve threads.
AIR LEAK TROUBLESHOOTING - CONTINUED

Spare urethane O-rings are included with the FTC spare parts kits; to replace damaged O-ring(s):

1. Uninstall On/Off valve with HPA System from Rear Tank Mounting ASA.
2. Remove damaged O-ring from tip of the On/Off valve threads.
   - If HPA System was unassembled from the On/Off valve, then the O-ring on the HPA System should be replaced at this time.
3. Carefully place new O-ring over valve thread tip.
4. Inspect to assure O-ring has completely seated in O-ring groove.
5. Reinstall tank system to On/Off valve.
6. Reinstall On/Off valve with HPA System to Rear Tank Mounting ASA.

Follow the Filling/Testing Instructions on page 11.

If no air bubbles are visible then your installation is complete and your PepperBall® FTC system is ready to use.

If this process has not resolved the air leak, DO NOT attempt further repair and contact the UTS Service Department for guidance.

Additional urethane O-rings may be purchased from UTS.

SPARE PARTS

Your PepperBall® FTC system includes a spare parts kit for your convenience.

Spare Parts List:

- Hammer Bumper O-ring 117-N70
- Barrel Thread Adapter O-ring 019-N70
- Bolt O-ring 015-N70
- Buttstock 460-01-0002
- Hex Key 3/32
- Hex Key 1/8
- Ball Detent
- Short ASA Screw
- Urethane O-rings
# Parts Breakdown

<table>
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<th>DESCRIPTION</th>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
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**FTC Manual**

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WARRANTY, DISCLAIMER OF WARRANTY AND LIMITATION OF REMEDIES

United Tactical Systems, LLC (UTS) warrants, solely to the end user, law enforcement agencies, private security firms, or private or public corrections agencies, that the product is delivered free from defects in materials and workmanship for a period of one (1) year from the original date of purchase.

Within the one-year warranty period, UTS’s liability and the buyer’s sole and exclusive remedy hereunder for all claims shall be limited to a refund or credit to buyer of the purchase price, or replacement of this product, at UTS’s option, provided that the non-conforming product is (1) returned during the warranty period and (2) properly packaged and shipped to UTS’s designated facility in accordance with UTS’s Return Merchandise Authorization (RMA) Policy.

THE REMEDY SET FORTH ABOVE SHALL BE THE SOLE AND EXCLUSIVE REMEDY FOR BREACH OF THE FOREGOING WARRANTY.

Products which have been improperly handled, stored or shipped, or which have been subject to abuse, misuse, alteration and/or neglect are not covered by the warranty. Aftermarket products and the use of non-authorized projectiles are strictly prohibited by UTS and any indication of their installation or use shall void all warranties.

DISCLAIMER OF WARRANTY: Except for the express limited warranty set forth above, UTS makes no warranties or representations of any kind, whether express or implied, with respect to the product, including any (a) warranty of merchantability; or (b) warranty of fitness for a particular purpose; or (c) warranty against infringement of intellectual property rights of a third-party, whether express or implied by law, course of dealing, course of performance, usage of trade or otherwise. There are no warranties which extend beyond the description of the face hereof. Buyer shall make no warranty or representation regarding the products that is inconsistent with the warranty set forth above. UTS shall not be liable for any injury, loss, or damage, direct or consequential, arising out of the use or the inability to use this product.

Before Use: the user shall determine the suitability of the product and be fully trained for its intended use, and user assumes all risks and liability whatsoever in connection therein. In no event shall UTS be liable or obligated to buyer or to any third party in any manner for any (a) special, non-compensatory, consequential, indirect, incidental, statutory, or punitive damages of any kind, including, without limitation, lost profits and/or lost revenue, regardless of the form of action, whether in contract, tort, negligence, strict product liability, or otherwise, even if informed of or aware of the possibility of any such damages in advance, (b) in an amount greater than the amounts paid to UTS by buyer for the products, or (c) damage or injury caused by the products, unless due to the gross negligence or willful misconduct of UTS. The limitations set forth above shall be deemed to apply to the maximum extent permitted by applicable law and notwithstanding the failure of the essential purpose of any limited remedies. The parties acknowledge and agree that they have fully considered the foregoing allocation of risk and find it reasonable, and that the foregoing limitations are an essential basis of the bargain between the parties.
UTS RETURN MERCHANDISE AUTHORIZATION (RMA) POLICY

For warranty and non-warranty repair:

• Call UTS at 1-260-478-2500
• UTS will issue a Return Authorization (RA) Number
• UTS will provide the shipment address
• Please make sure that the RA Number is clearly marked on the outside of the package
• Include a brief statement regarding the requested repair, your name, your return address, email address and a telephone number where you can be reached during normal business hours with the shipment.

• **CAUTION:** ALWAYS UNLOAD AND REMOVE AIR SOURCE AND PROJECTILES BEFORE SHIPPING A LAUNCHER

• **CAUTION:** THE AIR SOURCE MUST BE DISCHARGED

• Postage and delivery charges must be pre-paid. Collect delivery charges will not be accepted
• Products within the one year warranty period are returned via ground shipping at no charge
• Out of warranty returns require a pre-payment of shipping charges prior to return shipment by UTS
• You may request expedited shipping at your expense with charges paid prior to return shipment

UTS strives to complete the necessary repair work within a reasonable amount time and return the launcher with standard ground shipping.

WARRANTY REGISTRATION

To ensure that your launcher is properly registered with UTS, please fill out the warranty registration card provided with your launcher.

Please send to the address indicated on the registration card.