The PCS™ US★5® is a paintball marker designed to shoot .68 caliber paintballs for use in the sport of paintball. Paintball is a recreational and competitive sport played worldwide. Special equipment used in paintball includes paintball markers, which are airguns; and paintballs, which are liquid-filled gelatin capsules that mark with a bright color. The object of the game is to capture the opposing team’s flag; while on that quest, players try to mark their opponents to eliminate them from the game.

**WARNING**

Protective goggles and headgear specifically designed for paintball must be worn by all persons within range when a paintball marker is in use. Paintball safety rules must be followed at all times.

**WARNING**

The PCS™ US★5® paintball marker is not a toy. Misuse may cause serious injury or death. Eye protection designed for paintball use must be worn by the user and any person within range. Read this operator’s manual completely before loading, pressurizing or operating the PCS™ US★5® paintball marker.

**STATEMENT OF LIABILITY**

This PCS™ US★5® semi-automatic paintball marker is surrendered by Pursuit Marketing, Inc. (PMI), with the express understanding that the purchaser assumes all liability arising out of any unsafe handling of this marker or any action that violates any applicable laws or regulations. PMI assumes no liability for, and shall not be responsible for, any personal injury or loss of property or life resulting from the use of this paintball marker under any circumstances, including but not limited to those resulting from intentional, reckless, negligent or accidental discharges.

**READ THIS OPERATOR’S MANUAL COMPLETELY BEFORE LOADING, PRESSURIZING, OR OPERATING THE PCS™ US★5® PAINTBALL MARKER.**

PCS™ US★5® is a registered trademark of Pursuit Marketing, Inc.

Pursuit Marketing, Inc. (PMI), founded in 1982 and manufacturer of the PCS™ US★5® line of semi-automatic paintball markers, is an industry-leading manufacturer and wholesale distributor with warehouses in key locations throughout the U.S.A. Headquarters: PMI, 55 Howard Ave, Des Plaines, Illinois 60018 USA; phone 1.800.579.1633; www.pcs-paintball.com.

Pursuit Marketing, Inc. (PMI, Inc.), reserves the right to modify or change its markers without incurring any obligation to incorporate such modifications or changes in any of its products that were sold prior to the modification. The information in this operator’s manual may be updated or changed without notice.
This paintball marker is intended for sale to adults 18 years of age or older only, for use in compliance with all applicable laws and regulations. Adult supervision is recommended at all times whenever a minor is handling this paintball marker. Protective goggles and headgear specifically designed for paintball must be worn by all persons within range when a paintball marker is in use. Paintball safety rules must be followed at all times.

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This operator's manual is intended to remain with the paintball marker upon any subsequent transfer of the marker, whether through sale, resale, or furnishing in any manner. An updated or replacement operator's manual may be obtained from: Pursuit Marketing, Inc., 55 Howard Ave, Des Plaines, IL 60018 USA; phone 1.800.579.1633; www.pcs-paintball.com. Questions about the operation of the PCS™ US★5® paintball marker may be directed to Pursuit Marketing Inc., or visit www.pcs-paintball.com for updates regarding your US★5® purchase.
TOP 5 QUESTIONS ANSWERED

1. Why is my US★5® not shooting hard enough?
   1. Check that air source is adequately filled.
   2. Adjust velocity by turning the velocity adjusting screw counterclockwise. See Page 10.
   3. Oil Marker. See Page 18.
   4. Never chrono the marker over 300fps.

2. Why does my US★5® only shoot once?
   1. Fill tank.
   2. Check velocity. See Page 10.
   3. Oil Marker. See Page 18.

3. How do I maintain my US★5®?
   See page 16-20.

4. Why is my US★5® leaking down the barrel?
   Make sure marker is cocked before attaching air. Check cup seal for wear or grooves. Replace if leak continues. See page 24 for more information.

5. Why is my US★5® not working right out of the box?
   1. Is the tank filled? All tanks ship empty.
   2. Is the marker cocked? Always cock marker before airing it up. See page 6.
   5. Call us at 1.800.579.1633. M-F 9am-5pm CST.
PAINTBALL BASIC SAFETY RULES

SAFETY FIRST!

**WARNING**

The PCS™ US★5® paintball marker is not a toy. Misuse may cause serious injury or death. Eye protection designed for paintball use must be worn by the user and any person within range. Read this operator’s manual completely before loading, pressurizing or operating the PCS™ US★5® paintball marker.

Always wear protective goggles and headgear specifically designed for paintball when shooting this or any paintball marker.

Every person within range of a paintball marker is in use must wear protective goggles and headgear specifically designed for paintball.

Operate a paintball marker only in areas where it is safe and lawful to do so.

Misuse of this paintball marker can result in criminal penalties, including jail time.

This marker is intended for sale to adults 18 years of age or older only. Adult supervision is recommended at all times whenever a minor is handling this marker in any manner.

During game play, follow referee’s instructions and all field safety rules. Avoid shooting at a player’s head, neck, or groin area.

Play paintball only where the rules of safe paintball play are followed.

All paintball markers must be chronographed regularly. Adjust marker to shoot paintballs at a velocity less than 300 feet per second (fps) and that does not exceed the velocity limit set by the paintball park where the marker is in use. Chronograph the marker at regular intervals during the day, as well as any time the air source is refilled or changed, any time the barrel is changed, and upon request of any player or game official.

There is always a chance that a paintball is lodged in the barrel of the marker even when it is not visible in the chamber. To check if the marker is unloaded: remove air system and shoot marker in a safe direction. Remove hopper, visually inspect chamber for a paintball, remove and inspect barrel for the presence of a paintball. Never look down the barrel of any paintball marker once the barrel is screwed into the marker.

Markers with regulators hold pressure even after tank is removed. Shoot marker in a safe direction after tank is removed to de-gas it completely.
PAINTBALL BASIC SAFETY RULES

This paintball marker operates using compressed gas or air at specified pressure ranges. Follow safety procedures when handling compressed gas or air. All filling of compressed gas or air cylinders must be done by qualified persons.

Always cock marker before attaching air or gas source to it. Failure to always cock marker before attaching air to it may cause accidental firing or discharge of paintballs.

Follow the rules of safe marker handling: Keep finger off trigger until ready to shoot. Keep muzzle pointed in a safe direction. In addition, firmly insert a barrel plug or barrel bag into the muzzle and push the electronic or mechanical safety “on” when the marker is not in use and when in any non-shooting area.

Paintball markers with electronic frames have extremely sensitive triggers. Take extra safety precautions anytime handling or shooting an electronic paintball marker. To avoid accidentally firing the marker, keep the marker off until you are ready to fire.

Never shoot at domestic animals or wildlife.

Never mark objects outside the confines of the game or authorized shooting areas.

Never look down the barrel of the marker.

Never aim or shoot a paintball marker (loaded or unloaded) toward any person who is not wearing protective goggles and headgear specifically designed for paintball.

Before disassembly, storage, or transport of the marker, remove all paintballs from the marker, barrel, and loader; remove air source; and remove all gas or air from the marker. Insert barrel plug and put mechanical safety in “no shoot” position.

Carry marker in case or sturdy bag when in public.

Safely and securely store marker to prevent access to it by unauthorized persons.

Safety standards information is available from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959; phone 1.610.832.9500; www.astm.org. “Standard Practice for Paintball Field Operation” is publication F1777-97, and “Standard Specification for Eye Protective Devices for Paintball Sports” is publication F1776-97; inquire about additional publications which may be available at the time your request is made.
1. Attach threaded barrel firmly to marker.

2. At this time, do not attach air source or loader and do not load paintballs into marker.

3. Insert barrel plug firmly into barrel.

4. Pull the cocking knob straight back from the left side of the marker until the cocking mechanism locks back in the cocked position. See Figure 1. Always cock marker before airing it up. During cocking the cocking rod will recoil or spring back forward once released and will only move slightly during marker operation. See Figure 2.

5. Push safety “off” (see page 12), and turn the marker “on” (see page 13) if it is an electronic trigger frame.

6. Squeeze the trigger with an even pressure and listen as the marker un-cocks. The PCS™ US★5® needs air to recock. Electronic markers must be charged before operation. See page 15.

7. Cock the marker again.

**WARNING**

Every person within range of an area where a paintball marker is in use must wear protective goggles and headgear specifically designed for paintball.

**WARNING**

Always cock marker before attaching air source. Marker can discharge if air source is attached before marker is cocked.

**WARNING**

The marker contains compressed gas or air when pressurized. Never disassemble marker until removing all gas or air from the system. Rules for safe handling of compressed gas or air must be followed at all times.
8. Before attaching air source, read and understand the section in this manual on “Compressed Gas/Air” (Found on page 8 & 9). Follow safety rules for handling compressed gas/air. If any leak occurs in the marker, refer to troubleshooting guide or to a qualified airsmith. Use only cylinders for compressed gas or air that comply with all applicable laws and regulations, including but not limited to those of the U.S. Department of Transportation, OSHA, Compressed Gas Association, and/or American Society for Testing and Materials.

9. **Bottom line:** First check the tank O-ring for rips or tears, then attach the air source by screwing the threads of the tank or air source adapter into the threaded bottom line ASA at the base of the grip. Make sure marker is cocked before attaching air. If leaks occur, recheck tank O-ring. If damaged, replace.

> **WARNING**
> When cocking the pressurized marker do not release the cocking knob until after the cocking mechanism has locked back into the cocked position; releasing the cocking knob during cocking can cause the marker to shoot.

10. With goggles on, test for function after attaching air source. Squeeze the trigger. The marker should shoot. Repeat several times.

> **WARNING**
> The PCS™ US★5® semi-automatic marker shoots one paintball for each squeeze of the trigger, and recocks itself after each shot. See page 13 if you have a US★5® with an Advanced Electronic Clip (AEC) for the different modes of fire.

11. Turn the marker off (AEC version) and push the safety in (both versions). Paintballs may then be loaded.

> **WARNING**
> Before disassembly, storage or transport of the marker, remove air source first, then remove all paintballs from the marker, barrel, and loader. Remove all gas or air from the marker. Insert barrel plug and push the safety in so it is engaged.
The PCS™ US® paintball marker may be powered by CO₂, regulated compressed air, or regulated nitrogen.

The safety rules for handling compressed gas or air must be followed at all times.

OPERATING PRESSURE AND INPUT PRESSURE

- Operating pressure range: 600 to 1000 p.s.i.
- Recommended maximum input pressure is 1000 p.s.i.
- Do not exceed recommended pressures.

Do not leave cylinder or pressurized marker in direct sunlight or exposed to heat source. Increased temperature will increase the pressure of compressed gas or air to dangerous levels.

WARNING

Do not exceed recommended input or operating pressure.

VALVE-CYLINDER CONNECTION

The valve on a cylinder is to remain screwed into the cylinder; Figures 3 and 4. Should it loosen, the cylinder may detach from the valve with extremely dangerous force. Call manufacturer or take to qualified personnel for inspection.

Every time a cylinder is filled, the connection between the valve and cylinder must be inspected. If any looseness or leak is detected between the valve and the cylinder, do not fill. Drain cylinder and call manufacturer or take to qualified personnel for inspection.

During filling, if any looseness or leak is detected between the valve and the cylinder, filling must stop immediately. Drain cylinder and call manufacturer or take to qualified personnel for inspection.
A compressed gas or air cylinder is a pressure vessel. Follow rules for safe handling of compressed gas or air. All filling of compressed gas or air cylinders, and all repairs to a marker or its components must be performed by qualified personnel.

**FILLING COMPRESSED GAS/AIR**

An overfill of any compressed gas or air cylinder can cause the safety burst disk (Figure 5) on the cylinder to burst, or the cylinder itself to rupture. A cylinder may rupture with extremely dangerous force. Use a properly rated disk only. Inspect the burst disc for a vent hole. If no hole is present contact a local store or PMI immediately. DO NOT FILL!

A scale must be used for all CO$_2$ fills to prevent an overfill. A pressure gauge must be used for all compressed gas or air fills to prevent an overfill.

Fills must be performed by qualified personnel. A cylinder must not be filled beyond the cylinder’s capacity per the U.S. Department of Transportation. A cylinder’s rated capacity appears on the cylinder itself.

**HYDROSTATIC TESTING DATE**

Many cylinders are required by the U.S. Department of Transportation to be hydro-tested at periodic intervals, with the interval varying according to cylinder type. The date of the cylinder’s initial or later testing appears on the cylinder. A cylinder that is out of date for hydrostatic testing must not be filled or used.
All paintball markers must be chronographed regularly. Adjust marker to shoot paintballs at a velocity that is less than 300 feet per second (fps) and that does not exceed the velocity limit set by the paintball park where the marker is in use.

Chronograph the marker at regular intervals during the day, as well as any time the air source is refilled or changed, any time the barrel or any part in the marker is changed, and upon request of any player or game official.

1. Chronograph the marker using standard chronograph procedures and following safety rules. Shooting velocity will vary based upon many factors, such as paint, weather, and air system.

2. Adjust velocity by using a \( \frac{1}{8}'' \) allen wrench (provided) to turn the velocity adjuster on the right side of marker. See Figure 6. Turn adjuster clockwise to lower velocity. Turn adjuster counter-clockwise to raise velocity. See Figure 7. Turning the velocity adjuster changes the amount of air flowing through the valve.

3. Chronograph the marker after every velocity adjustment.

4. Chronograph the marker at regular intervals during the day, as well as any time the air source is refilled or changed, any time the barrel or any part in the marker is changed, and upon request of any player or game official.
### PCS™ US® SPECIFICATIONS

<table>
<thead>
<tr>
<th>Action:</th>
<th>Tournament grade semi-automatic powered by either N₂ or CO₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length:</td>
<td>19 1/2 inches overall (with 9 in. barrel and without attachments)</td>
</tr>
<tr>
<td>Barrel:</td>
<td>Threaded aluminum; Piranha/Spyder threads</td>
</tr>
<tr>
<td>Height:</td>
<td>8 1/2 inches</td>
</tr>
<tr>
<td>Weight:</td>
<td>3.25 lbs.</td>
</tr>
<tr>
<td>Barrel Length:</td>
<td>9 inches</td>
</tr>
<tr>
<td>Safety:</td>
<td>Mechanical push button/barrel plug</td>
</tr>
<tr>
<td>Paintballs:</td>
<td>For use only with standard “.68 caliber” (.68-inch diameter) paintballs. RPS paintballs recommended</td>
</tr>
<tr>
<td>Air Source:</td>
<td>Accepts standard connections for CO₂, regulated N₂, or regulated compressed air</td>
</tr>
<tr>
<td>Operating Pressure:</td>
<td>Recommended 600 psi to 1000 psi</td>
</tr>
<tr>
<td>Input Pressure:</td>
<td>Not to exceed 1000 psi</td>
</tr>
<tr>
<td>Air Source Input:</td>
<td>Bottom line ASA accepts standard paintball threading</td>
</tr>
</tbody>
</table>

![Diagram of the PCS™ US®](image-url)
SAFETY SWITCH

Push on left hand side of safety to activate. See Figure 1. Push on right hand side of safety to disengage which allows the marker to fire. Red O-Ring should be showing. See Figure 2. Always put marker in safe when not in use.

SWITCHING FROM MECHANICAL TO ELECTRONIC

Unscrew the 2 clip bolts with a 5/32 allen key, or remove the 2 fieldstrip clip pins. See Figure 3. Remove Mechanical Clip and replace with Advanced Electronic Clip (AEC). See Figure 4. Re-install either the 2 clip bolts or clip field strip pins.
US★5 ADVANCED ELECTRONIC CLIP

INSTRUCTIONS FOR USING YOUR AEC FRAME

All US★5® markers come with a mechanical frame. An AEC can be purchased with the marker or as an aftermarket accessory.

ON/OFF BUTTON

The on/off is located on the back of the marker. Push it once to turn your AEC on. Push it again and the frame will turn off. The frame should be left off when not using the marker or you will drain the battery.

BURST BUTTON

Press the Burst Button once to turn the marker on 3 Shot Burst. Press the Burst Button again to turn the frame to Full Auto. Press the Burst Button again to turn it back to semi-auto.

ADVANCED ELECTRONIC CLIP (AEC) BATTERY

The AEC frame comes with a 9 volt rechargeable battery. You must charge it for a full 22 hours before initial use since it does not come fully charged. For best long term battery life, repeat this process every time it is drained. You can also use a regular 9 volt battery with this frame if your rechargeable battery is dead or if you want to play with the frame right away. You will need to remove the AEC when you need to replace or charge the battery. A blinking on/off indicator light means your AEC frame needs to be charged right away.

*Adjustable modes of fire and rechargeable frames are not currently available in all countries.
WARRANTY REGISTRATION

Des Plaines, IL 60018 USA
55 Howard Ave
Pursuit Marketing Inc.

Detach and Mail

Stamp Here

First Class

Tape Here
# PCS™ US★5® WARRANTY REGISTRATION

Please fill out this PCS™ US★5® Warranty Registration form entirely, including the checklist and mail it to: PMI, Inc., 55 Howard Ave, Des Plaines, IL 60018 USA, or register online at www.pcs-paintball.com. Save your original sales purchase receipt or packing slip. A copy must accompany the marker when warranty repairs are sought. Consult page 25 & 26 of the operator’s manual for warranty information and instructions on obtaining repair service.

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<table>
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<tr>
<th>Serial number:</th>
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(Serial number is located on the left hand side towards rear of marker)

<table>
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<table>
<thead>
<tr>
<th>Purchase price:</th>
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</table>
Pursuit Combat Systems, Inc., thanks you for purchasing this high quality PCS™ US ★5® paintball marker. Please read each of the following items and initial that you have read and understood it before operating the PCS™ US ★5® paintball marker:

1. This paintball marker is intended for sale to adults only, for use in compliance with all applicable laws and regulations. Adult supervision is recommended at all times whenever a minor is handling this paintball marker in any manner. Please initial: ______

2. Always wear protective goggles and headgear specifically designed for paintball when shooting this marker. Please initial: ______

3. Every person within range of an area where a paintball marker is in use must wear protective goggles and headgear specifically designed for paintball. Please initial: ______

4. Operate a paintball marker only in areas where it is safe and lawful to do so. Please initial: ______

5. Misuse of this paintball marker can result in criminal penalties including jail time. Please initial: ______

6. Read this operator’s manual completely before loading, pressurizing, or operating the PCS™ US ★5® paintball marker. Please initial: ______

7. Never aim or shoot a paintball marker toward any person who is not wearing protective goggles and headgear specifically designed for paintball. Please initial: ______

8. During game play, follow referee’s instructions and all field safety rules. Avoid shooting at a player’s head, neck, or groin area. Please initial: ______

9. Play paintball only where the rules of safe paintball play are followed. Please initial: ______

10. All paintball markers must be chronographed regularly. Adjust marker to shoot paintballs at a velocity that is less than 300 feet per second (fps) and that does not exceed the velocity limit set by the paintball park where the marker is in use. Chronograph the marker at regular intervals during the day, as well as any time the air source is refilled or changed, any time the barrel or any part in the marker is changed, and upon request of any player or game official. Please initial: ______

11. This paintball marker operates using compressed gas or air at specified input pressure ranges. Follow safety procedures when handling compressed gas or air. All filling of compressed gas or air cylinders must be done by qualified persons. Please initial: ______

12. Follow the rules of safe marker handling: Keep finger off trigger until ready to shoot. Keep muzzle pointed in a safe direction. In addition, firmly insert a barrel plug into the muzzle and push the mechanical safety “on” when the marker is not in use and when in any non-shooting area. Please initial: ______

13. Paintball markers with electronic frames have extremely sensitive triggers. Take extra safety precautions anytime handling or shooting an electronic paintball marker. To avoid accidentally firing the marker, keep your finger away from the trigger until you are ready to fire. Please initial: ______

14. Never shoot at domestic animals or wildlife. Please initial: ______

15. Never mark objects outside the confines of the game or authorized shooting areas. Please initial: ______

16. Never look down the barrel of the marker. Please initial: ______

17. Before disassembly, storage, or transport of the marker, remove all paintballs from the marker, barrel, and loader. Remove air source and all gas or air from the marker. Insert barrel plug and put mechanical safety in “no shoot” position. Please initial: ______

18. Carry marker in case or sturdy bag when in public. Please initial: ______

19. Safely and securely store marker to prevent unauthorized access. Please initial: ______

---

**WARNING**

THE PCS™ US ★5® PAINTBALL MARKER IS NOT A TOY. MISUSE MAY CAUSE SERIOUS INJURY OR DEATH. EYE PROTECTION DESIGNED FOR PAINTBALL USE MUST BE WORN BY THE USER AND ANY PERSON WITHIN RANGE. READ THIS OPERATOR’S MANUAL COMPLETELY BEFORE LOADING, PRESSURIZING, OR OPERATING THE PCS™ US ★5® PAINTBALL MARKER. Please initial: ______
US 5
COMBAT PAINTBALL MARKER

PCS
PURSUIT COMBAT SYSTEMS

DETACH AND MAIL
WWW.PCS-PAINTBALL.COM
TOURNAMENT LOCK SWITCH

The Tournament Lock Switch enables you to play in a tournament or at a field that does not allow full auto and burst modes by restricting the marker to semi-automatic only. All AEC frames come with the Tournament Lock off so you can immediately put the marker in full auto or burst mode.

Unscrew the 2 clip bolts with a 5/32 allen key, or remove the 2 fieldstrip clip pins to release AEC frame.

To access the Tournament Lock, you have to take the AEC frame off the receiver.

Turn on Tournament Lock by pushing the button up and turn it off by pushing the button down.

Flip the switch upwards to engage the tournament lock restricting the PCS™ US★5® into semi-auto mode only. Flipping the Switch downward disengages the tournament lock allowing the PCS™ US★5™’s firing modes to be switched between semi-auto, 3 round burst, and full auto. Re-install either the 2 clip bolts or clip field strip pins before firing marker.

*Mechanical frames do not need a tournament lock switch. They are already tournament ready.
CHARGING THE AEC

CHARGING BATTERY
1. Unscrew the 2 clip bolts with a 5/32 allen key, or remove the 2 fieldstrip clip pins. See Figure 1.

2. Remove the Advanced Electronic Clip (AEC). See Figure 2.

3. Flip up the battery latch and slide the battery out the bottom of the AEC. See Figure 3. Be careful not to damage the battery wires or connectors.

4. Insert the rechargeable battery into the wall charger and allow to charge for 22 hours. See figure 4. Do not leave plugged in for more than 22 hours.

WARNING
PMI recommends the included 9V rechargeable battery for optimal performance. Do not use the battery charger when using any non-rechargeable battery.
MAINTENANCE & ADJUSTMENTS

INSTALLING HOPPER
Using a 3/16 allen key, turn the allen key to the right to constrict the feed tube after the hopper is in place. Turn the allen key to the left to loosen up the feed tube. See Figure 1.

![Figure 1.](image1.png)

Figure 1.

ADJUSTING FOREGRIP
Rotate the bottom foregrip nut counter clockwise (Figure 2) to loosen up the foregrip allowing you to slide the foregrip forward or back (Figure 3) to better suit your playing style. Rotate the foregrip nut clockwise to lock the foregrip back into place.

![Figure 2.](image2.png)

Figure 2.

![Figure 3.](image3.png)

Figure 3.
CLEANING FEED TUBE

1. Locate feed tube latch. See Figure 1.

2. Push down on the rear of the feed tube latch. See Figure 2.

3. Rotate feed tube away from body. See Figure 3. This allows for easy cleaning on or off the field.

4. If feed tube latch is too difficult to push down, loosen the feed tube latch screw by turning counter clockwise. See Figure 4. If the latch is too easy to open, tighten the screw by hand.
LUBRICATION

BASIC LUBRICATION

Put 3-4 drops of US★5® oil into the ASA. See Figure 1. Remove barrel and install tank. Cycle marker 15-20 times. This will cycle the oil through the marker and should be done after 4 times of normal use or after each heavy use. **DO NOT USE WD40, ANY PETROLEUM BASED LUBRICANT OR REAL FIREARM OIL. THIS WILL HARM THE MARKER AND WILL VOID WARRANTY.**

Use US★5® Oil ONLY!
Included in package.

ADVANCED LUBRICATION

1. See Page 20, Figures 1-9, for disassembly instructions.

2. Place 2 drops of US★5® oil onto the hammer o-ring and wipe around with your finger. See Figure 2.

3. Remove the bolt hammer linkage arm. Remove the bolt and powertube placing one drop of oil on the front of the powertube. See Figure 3.

4. Place one drop of oil on the bolt o-ring. See Figure 4.

5. Re-install bolt onto power tube and place back into the right hand body shell. Insert front of linkage pin into the hole on the top rear of the bolt and the rear end into the upper front of the hammer.

6. See Page 19, steps 5 & 6, for re-assembly instructions.
DISASSEMBLY

Before performing any repairs or maintenance, make sure to take off tank and remove all paint and air.
Tools needed for disassembly: 1/8 allen key, 5/32 allen key and retaining ring pliers.
See page 21 for part numbers in parenthesis.

1. Unscrew the 2 clip bolts (#17 & 18) with a 5/32 allen key, or remove the 2 field strip clip pins. See Figure 1.
2. Remove either the AEC (#10) or mechanical clip. See Figure 2.
3. Remove the 6 body bolts (#35A, B & C) with a 5/32 allen key. See Figure 3.
4. Remove the 2 bottomline screws (#35) on the underside of the grip frame with a 5/32 allen key. See Figure 4.
5. Remove the 2 lower grip frame bolts (#41) with a 1/8th allen key. See Figure 5.
7. Remove the rear block (#9). See Figure 7.
8. Lift the left hand side of the body shell (#2) off of the right hand side of the body (#1). See Figure 8.
9. Remove the powertube assembly (#28). See Figure 9.
10. Remove the vertical adapter (#4) from the powertube assembly (#28). See Figure 10.
11. Remove the valve assembly (#53) by holding the powertube in your hand and lightly striking the rear of it against your palm. See Figure 11.
12. The valve body (#53) will slide out. See Figure 12.
13. Remove the c-clip (#59) with retaining ring pliers. See Figure 13.
14. Slide out the valve spring retainer (#55), valve spring (#57), and cupseal (#56). See Figure 14.

RE-ASSEMBLY

1. Re-install cupseal (#56), valve spring (#57), valve spring retainer (#55) and c-clip (#59).
2. Slide the valve body (#53) back into the powertube (#28) with the cupseal shaft facing the rear of the powertube. Make sure the hole in the valve body and the powertube line up.
3. Install the vertical adapter (#4) back into the powertube.
4. Place the powertube assembly back into the righthand side of the body.
5. Re-install the 6 body bolts, rear block, 2 rear block pins, 2 lower grip frame bolts, and 2 bottomline screws.
6. Re-install the AEC or mechanical clip, and replace the 2 clip bolts or field strip clip pins.
US-5® PARTS DIAGRAM

1 Body Right 72150 44 Vertical Adapter O-ring 010/90U 10138
2 Body Left 72155 45 Male ASA Port Reducer O-ring 015/90U 41010
3 Trigger Guard 72175 46 Velocity Adjuster 4x1.5mm Buna x 2 72252
4 Vertical Adapter 72210 47 Bolt O-ring 015/70U 57738
5 Trigger Assembly 72100 48 10-32 Bolt 72235
6 Ball Detent 72211 49 Hammer 72236
7 Front Sight 72212 50 Hammer O-ring 019/90U 72253
8 Bolt 72213 51 Bolt Hammer Link Pin 72237
9 Rear Block Assembly 72180 52 Valve Body O-ring 019/90U 72253
10 Electronic Clip 72190 53 Valve Body 72238
11 Barrel Adapter 72214 54 Seal O-ring 012/90U 40919
12 Cocking Rod Spring 72215 55 Valve Spring Retainer 72131
13 Cocking Rod 72216 56 Cup seal 72132
14 Rearblock Fieldstrip Pin 72217 57 Valve Spring 72133
15 Foregrip 72160 58 Valve Seal 72134
16 Safety 72218 59 C-Clip 72135
17 Lower Grip Fieldstrip Pin 7219 60 Left Plate 72101
18 Upper Grip Fieldstrip Pin 72220 61 Right Plate 72102
19 Rear Sight 72221 62 Trigger Spring 72103
20 Mechanical Clip 72200 63 Sear 72104
21 PCS Badge 72223 64 Sear Spring 72105
22 Warning Badge 72224 65 Plate Pin 72106
23 Foregrip Retainer 72165 66 Trigger 72107
24 Cocking Rod Washer 72225 67 Plate Pin 72108
25 Velocity Adjuster 72226 68 Trigger Pal Spring 72109
26 Feedtube Assembly 72120 69 Trigger Pal 72110
27 Powertube 72130 70 Feedtube Latch Plate 72128
28 Powertube 72130 71 Feedtube Latch Screw 72121
30 Foregrip Bolt 72227 72 Feedtube Latch 72122
31 Bottom Line Nut 72228 73 Feedtube Retainer Bolt 72123
32 Bottom Line Screws 42016 74 Feedtube Latch Spring 72124
35A 10x32 Bolt Short 72229 75 Feedtube Clamping Nut 72125
35B 10x32 Bolt Medium 72230 76 Feedtube Clamping Bolt 72126
35C 10x32 Bolt Long 72231 77 Feedtube 72127
36 US-5 SI Barrel 72170 78 Spring Guide 72239
37 Bottom Line 72232 79 Hammer Spring 72240
39 Male ASA Port Reducer 72233 80 Spring Retainer O-ring 012/90U 40919
40 7” SS Hose 47015 81 Rearblock O-ring 26x2.5mm Buna 72254
41 Lower Grip Bolt 72234 82 Trigger Plate Screw 72241
42 Barrel O-ring .795x.05 Buna 72250 83 Safety O-ring 6x2mm Buna 72255
43 Barrel Adapter O-ring 20x2.5mm Buna 72251 84 Safety Red O-ring 6x2mm Buna 72256
# Troubleshooting

## Trigger and Shooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trigger pulls back, marker will not shoot</td>
<td>Check that the marker is cocked, air source is correctly attached and air source is properly filled. If the frame is electronic, make sure battery is properly charged and turned on.</td>
</tr>
<tr>
<td>Marker runs on (partially cycles more than once when trigger is squeezed)</td>
<td>Check that air source is correctly attached to marker. Check that air source is adequately filled. Oil Marker. Lower velocity.</td>
</tr>
</tbody>
</table>

## Velocity (Do Not Exceed 300 Feet Per Second)

<table>
<thead>
<tr>
<th>Velocity</th>
<th>Adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
<td>Check that air source is adequately filled</td>
</tr>
<tr>
<td>Low</td>
<td>Adjust velocity adjuster counter clockwise</td>
</tr>
<tr>
<td>Low</td>
<td>Oil marker</td>
</tr>
<tr>
<td>High</td>
<td>Adjust velocity adjuster clockwise</td>
</tr>
</tbody>
</table>

## Paintballs

Always check for poor quality paintballs prior to playing. Any time paint gets too cold or too warm, there’s always the chance it is ruined.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not flying straight</td>
<td>Check for broken paint or oil in barrel, loader, feed tube and chamber. The bolt assembly area must also be free of broken paint. Check that marker is not shooting over 300 fps. Disassemble and clean.</td>
</tr>
<tr>
<td>Break in Barrel</td>
<td>Check ball detent and replace if necessary. Check that velocity does not exceed 300 fps.</td>
</tr>
<tr>
<td>Does not drop into feed tube</td>
<td>Shake loader. Check loader and feed tube for broken paint.</td>
</tr>
<tr>
<td>Two paintballs shoot at a time</td>
<td>Check ball detent (#6) and replace if necessary.</td>
</tr>
</tbody>
</table>

Shoot only quality RPS paintballs. PCS™ Combat .68, PMI Premium, EL TIGRE™, All Star® and Marballizer® paintballs are recommended for use in the PCS™ US★5®.
# Troubleshooting

## Barrel

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barrel comes loose</td>
<td>Check barrel O-ring and firmly tighten barrel. Do not oil barrel O-ring. Make sure the front 2 body bolts are tight.</td>
</tr>
<tr>
<td>Aftermarket barrel does not tighten</td>
<td>If it is difficult to tighten the threads onto the receiver, check to see that the threads on the barrel match. If threading is mismatched, barrel is not designed for use with the PCS™ US★5®. The barrel threading on the PCS™ US★5® is only Piranha/Spyder compatible.</td>
</tr>
</tbody>
</table>

## Air Leak

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leak in pressure source between tank valve and cylinder</td>
<td>Do not fill cylinder. Immediately take to qualified personnel for inspection. Cylinder must be drained.</td>
</tr>
<tr>
<td>Leaks at connection between braided air hose and fitting</td>
<td>Connection must be unscrewed and teflon taped. Contact factory or factory authorized repair center.</td>
</tr>
<tr>
<td>Leaks at connection between ASA and tank</td>
<td>Check tank O-ring at connection or on remote hose connector.</td>
</tr>
<tr>
<td>Fixing barrel leak</td>
<td>See page 19 for disassembly. Inspect the cupseal for dirt and/or nicks and scratches (see page 19, Figure 15). Clean and test for leaks. Also inspect inside the valve body for nicks and scratches. If no dirt, nicks or scratches are found inside the valve body, a new cupseal may need to be purchased.</td>
</tr>
</tbody>
</table>

## Warning

Do not attempt to perform maintenance procedures unless qualified to do so.

Contact PMI for repair assistance and information regarding authorized PCS™ US★5® repair facilities.

Phone: 1.800.579.1633  Web: www.pcs-paintball.com

Before disassembly of the marker, remove air source; remove all paintballs from the marker, barrel, and loader.

To check if the marker is unloaded: remove air system and shoot marker in a safe direction.

Remove hopper, visually inspect chamber for a paintball, remove and inspect barrel for the presence of a paintball. Never look down the barrel of any paintball marker once the barrel is screwed into the marker.

The paintball marker air system must be repaired or replaced with the correct pressure rated components.
TECHNICAL SUPPORT
PMI takes pride in manufacturing high quality paintball products that will provide you with many years of trouble free enjoyment. Should you experience any difficulty in operating or maintaining this PCS™ US★5® paintball marker, please re-read the operator's manual carefully. If further assistance is needed, contact our Tech Support office: Phone - 1.847.233.2545  Toll Free - 1.800.579.1633  Email - info@pcs-paintball.com

ORIGINAL SALES PURCHASE RECEIPT OR PACKING SLIP
Save your original sales purchase receipt or packing slip. That receipt will be needed to show the date of purchase for any warranty repairs.

WARRANTY REGISTRATION FORM
Please fill out entirely the enclosed PCS™ US★5® Warranty Registration form and mail it to: Pursuit Marketing, Inc., 55 Howard Ave, Des Plaines, Illinois 60018 USA.

WARRANTY DETAILS
Pursuit Marketing, Inc. (PMI), extends a warranty to the original purchaser of the PCS™ US★5® paintball marker that the product is free from defects in materials and workmanship for a period of one year from the date of purchase. PMI's obligation under this warranty shall be limited to repairing or replacing any part of the product which is defective.

REPAIR RETURN PROCEDURE
In some extreme cases, your marker may need to be returned to PMI for repair. Please call PMI at 1.800.579.1633 to obtain a Return Authorization (RA) repair number before shipping any product to PMI. All returned products must be accompanied by a RA repair number on the outside of the box. Any product returned to PMI without a RA number on the outside of the box may be returned to sender with no work performed. All warranty returns must be accompanied by the owner’s name, address, and telephone number. Include owner's e-mail if possible. Owner must remove all paintballs before shipping, and must pack product securely to avoid damage during shipping. Include a brief description of what does not appear to work correctly. Please make sure to ship your marker through a shipping company that allows you to track and insure your package. PMI is not responsible for markers that never reach us. Ship to: PMI, 55 Howard Ave, Des Plaines, Illinois 60018 USA.

Service for warranty repairs will be done free of charge upon delivery of the product to Pursuit Marketing, Inc. Please include a copy of your sales purchase receipt with all warranty repairs.
OUT OF WARRANTY REPAIRS
Please note that there will be a minimum labor charge of $20 and there may be additional charges for parts to repair a product that is not covered by warranty. An estimate of repair cost will be provided to the customer and authorization to complete the repairs will be obtained prior to additional repairs being done.

WARRANTY EXCLUSIONS AND LIMITATIONS
This warranty does not apply in the event of misuse or abuse of the product, use of any parts other than original factory parts, or unauthorized repairs, modifications, or alterations, and does not apply to any parts that are made defective by modification, misuse, abuse, or accident. This warranty does not apply to O-rings, cup seals, or springs, or to normal fading of anodized finish, scratches, or other cosmetic wear, or to any items or parts not manufactured by PMI.

Other than as expressly stated herein, PMI does not make any warranties, express or implied, including but not limited to implied warranties of merchantability or fitness, for any purpose other than that for which the PCS™ US★5® was designed. This warranty gives you specific legal rights. You may have other rights which may vary from state to state. PMI is not liable for any consequential damages or incidental damages which may arise from the use or operation of the PCS™ US★5® or from any breach of the warranty herein set forth.

The PCS™ US★5® is a registered trademark. Design rights & all rights reserved. All patterns, drawings, photographs, instructions or manuals remain the intellectual property of the manufacturer. Patents pending. All rights will be strictly enforced.
The PCS™ US★5® paintball marker is not a toy. Misuse may cause serious injury or death. Eye protection designed for paintball use must be worn by the user and any person within range. Read this operator’s manual completely before loading, pressurizing or operating the PCS™ US★5® paintball marker.

PCS™ US★5® Paintball Markers
Manufactured by:

Pursuit Marketing, Inc.
55 Howard Ave
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www.pcs-paintball.com