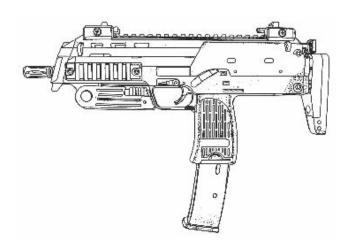


# **OPERATOR'S MANUAL**





## **TABLE OF CONTENTS**

Use of this Manual	.2
Safety Guidelines	.2
Warranty and Service4-	.5
Specifications	6
Contents	7
Functions and Features	.7
Charging Gas	8
BB Loading	9
Loading Magazine1	0
Cocking1	0
Selector1	1
Safety1	1
Retractable Stock1	2
Shooting1	2
Open Bolt1	3
After Shooting1	3
Hop-Up System1	4
Adjustment Point1	5
Disassembly1	6
Assembly1	7
Troubleshooting1	8
General Maintenance1	9
Operating Under Unusual Conditions2	20
Diagrams and Parts Lists21-3	34



### **USE OF THIS MANUAL**

Before operating the Airsoft gun, read this manual in its entirety. Important safety topics and tips are discussed throughout all chapters. It is important that the operator know the principals of gun handling safety and operation prior to firing the Airsoft gun.

### SAFETY GUIDELINES



WARNING! Failure to follow safety guidelines may result in serious injury.

### **Safety Distance**

The effective shooting range is approximately 75 feet. BBs fired from this Airsoft gun may travel further than intended. Make certain that you have an adequate backstop.

### **Eye Protection**

Eye protection should be worn at all times when both shooting and maintaining your Airsoft gun. Protect your eyes from silicone spray and uncaptured BBs under spring pressure while performing maintenance on your Airsoft gun.

### **Assume Every Gun is Always Loaded**

Until you are personally convinced otherwise, treat every gun as if it were loaded. Do not assume the chamber is empty based on your memory or someone else's words. Always visually check to confirm chamber is empty. Remove the magazine to look for an empty chamber.

#### **Beware of Barrel Obstructions**

Ensure the Airsoft gun barrel is free of obstructions before you fire the gun. Even the smallest obstruction such as a stuck cleaning patch or even lubrication can cause a misfire or malfunction.

#### Muzzle Control

Always keep the muzzle pointed in a safe direction. Never point the muzzle at a person or object that you do not intend to shoot.

### Keep Your Safety On

Keep your safety on until your sights are aligned on your target and you are ready to fire.

### **Keep Your Finger Off The Trigger**

Keep your finger off the trigger and out of the trigger guard until your sights are aligned on your target and you are ready to fire.



WARNING! Airsoft BBs can be a choking hazard. Keep them away from children.

### SAFETY GUIDELINES

### **Identify Your Target and Backstop**

Before you pull the trigger, make certain of your target and what is beyond it. The Airsoft gun should never be fired at surfaces where BBs are likely to ricochet in unpredictable directions such as rocks, glass, water, or other hard surfaces.



WARNING! Adult supervision is required for any person under the age of 18.

#### **Failure To Fire**

If the Airsoft gun fails to fire, misfires, or malfunctions, do not look into the barrel. BBs can become lodged into the chamber, and serious eye injury may occur.

### **Maintain Your Gun Properly**

Performing proper maintenance, as outlined in this manual, ensures that your Airsoft gun will be safe to shoot and will perform to design specification for many years. Alterations, modifications or adjustments may damage your Airsoft gun, make it unsafe to shoot, and will void warranty claims.

### Store Your Gun Safely

Always store the Airsoft gun in a safe place, and out of reach of children. Always transport the Airsoft gun in a carrying case; Never display the Airsoft gun in a public place. Keep the safety engaged, remove the magazine before storing the Airsoft gun. Remember: it is your responsibility to take every reasonable precaution to secure your Airsoft gun.

### **Orange Tip**

The orange tip on Airsoft guns helps law enforcement distinguish between the replica guns from their real firearm counterparts. Altering the coloration or markings required by state or Federal law or regulations so as to make the product look more like a firearm is dangerous and may be a crime. Operator assumes all risks and responsibility when doing so.

### Hazards of Being Mistaken for a Real Firearm

Airsoft guns have been mistaken by Police and Law Enforcement for real firearms and can result in serious injury or even death. It is strongly advised to operate the Airsoft gun at a safe and legal location. In the event that you are approached by Law Enforcement personnel, you must comply with their instructions to avoid any incident.

### Alcohol, Medications and Drugs

Do not handle or operate your Airsoft gun while under the influence of alcohol, medication or drugs.

### Your Responsibility

Your Airsoft gun is well-engineered and manufactured to the highest standards. It was carefully inspected before it was packaged and shipped from our factory. Its safe use depends on you alone. You are the ultimate safety device. Like many other devices, your Airsoft gun is safe unless handled in an irresponsible or uneducated manner.



#### WARRANTY AND SERVICE

KWA Performance Industries, Inc. is committed to serve our customers with the finest quality products, the highest level of service, and customer satisfaction. Because of this, we offer a 45-day warranty on all KWA products we import and distribute.

#### What is Covered

Except as specified below, this warranty covers all defects in material and workmanship in KWA products occurring during the above warranty periods. The following are not covered by the warranty: (1) Any product which is not imported and distributed in the U.S.A. by KWA PERFORMANCE INDUSTRIES, INC. (2) Any products not purchased in the U.S.A. from an KWA AUTHORIZED RESELLER (Note: KWA AUTHORIZED RESELLER can be identified by KWA AUTHORIZED RESELLER sticker displayed in the store. If you are uncertain as to whether a dealer is a KWA AUTHORIZED RESELLER, please contact KWA PERFORMANCE INDUSTRIES, INC. as listed above). (3) Damaged deterioration or malfunction resulting from: a) Accident, act of nature, abuse, misuse, neglect, unauthorized product repair, opening of or modification or failure to follow instructions supplied with the product. b) Repair or attempted repair by anyone not authorized by KWA PERFORMANCE INDUSTRIES, INC. c) Removal of the orange safety tip. (4) Use of the product outside the U.S.A. (5) Damaged batteries or improper use of bullets (BBs), or non approved propellants (ie. Propane, Red Gas, 134a...etc.) (6) Use in industrial, commercial, and/or professional applications.

### What KWA Will Pay For

If during the applicable warranty period from the date of the original purchase your KWA product is found to be defective by KWA Performance Industries, Inc., KWA Performance Industries, Inc. will repair, or at its option, replace with new, used, or equivalent model, the defective product without charge for parts or labor.

### **How To Obtain Warranty Service**

If your product needs service, it may be taken or shipped to KWA Performance Industries, Inc. The following procedures apply whenever your unit must be transported for warranty service:

- You must call us to obtain an RMA number. THE RMA NUMBER MUST BE CLEARLY MARKED ON THE OUTSIDE OF THE PACKAGE. PACKAGES WITHOUT AN RMA NUMBER CLEARLY MARKED WILL BE REFUSED AND RETURNED TO THE SENDER.
- You are responsible for transporting your unit or arranging for its transportation.
- If shipment of your unit is required; you must pay the initial shipping fee, but we will
  pay the return shipping charge if the repairs are covered by the warranty.
- WHEN RETURNING YOUR UNIT FOR WARRANTY SERVICE, A COPY OF THE ORIGINAL SALES RECEIPT MUST BE ATTACHED.
- You must include the following: RMA number, your name, address, daytime telephone number, model and serial number (if applicable) of the product and a description of the problem.

**NOTE:** THE RMA NUMBER MUST BE CLEARLY MARKED ON THE OUTSIDE OF THE PACKAGE. PACKAGES WITHOUT AN RMA NUMBER CLEARLY MARKED WILL BE REFUSED AND RETURNED TO SENDER. NO EXCEPTIONS.

### This Warranty is Only Valid in the United States

If your product does not require service, but you have questions regarding its operation, please contact our Technical Services Department as listed below.

THIS WARRANTY IS EXPRESSLY MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

OUR LIABILITY IS LIMITED TO THE REPAIR OR REPLACEMENT, AT OUR OPTION, OF ANY DEFECTIVE PRODUCT AND SHALL IN NO EVENT INCLUDE INCIDENTAL OR CONSEQUENTIAL COMMERCIAL OR PROPERTY DAMAGES OF ANY KIND. WE ARE NOT RESPONSIBLE FOR PRODUCTS LOST, STOLEN AND/OR DAMAGED DURING SHIPPING.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AND IMPLIED WARRANTY LASTS AND/OR DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, but you may also have other rights which vary from state to state. This Warranty may not be altered other than in writing signed by an officer of KWA Performance Industries, Inc.

KWA Performance Industries, Inc. 18571 E. Gale Ave. City of Industry, CA 91748-1339

626-581-1777 www.kwausa.com



#### **SPECIFICATIONS**

- Overal Length [Retracted] = 38 cm (14.96")
- Overall Length [Extened] = 60 cm (23.62")
- Overall Height: 26 cm (10.24")
- Inner Barrel Length = 160mm
- Inner Barrel Diameter: 6.05 mm
- Weight: 2.13 kg (4.7 lbs)
- Caliber = 6mm Airsoft BBs
- Magazine Capacity = (20) 48 rounds
- Gas System = FV
- Velocity = 110-116 MPS (360-380 FPS)
- Rate of Fire = 20+ RPS\*
- Energy Output with 0.20g BB: 1.2 Joules

#### **Special Features:**

- Official Heckler & Koch licensed product
- Fiber reinforced polymer body
- Functional cocking handle with realistic bolt movements
- Metal Picatinny accessory rails
- Retractable shoulder stock
- Flip up adjustable front and rear sight
- · Semi and Full Auto selective fire
- Folding front grip
- Trigger safety

\*Individual test results may vary depending on brand of BBs, type of gas, and chronograph used.

#### CONTENTS

### **Product Package Contents**

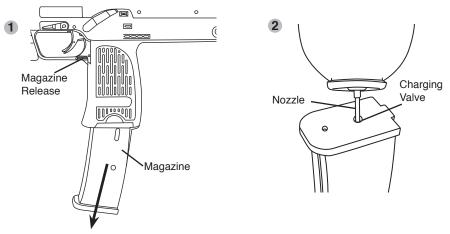
- 1 Umarex H&K MP7 Airsoft gun
- 1 Bottle of Silicone Oil
- 1 Hi-Cap Magazine
- 1 Sample bag of Airsoft BBs
- 1 Hop-Up Adjustment Tool
- 1 Operator's manual

### CHARGING GAS

- 1. Release magazine by pressing the magazine catch.
- 2. Push the gas canister nozzle into the charging valve. Make sure the canister is in a vertical position when charging.
- 3. Charge magazine until gas overflows from charging valve.



WARNING: Avoid allowing magazine to drop freely onto hard surfaces; it may damage the magazine.



**Note:** It is normal that you may experience minor leaking from charging valve during charging due to high pressure built up inside magazine. It is recommended to keep gas release valve slightly oiled. Ideal temperature for shooting is room temperature.

You may experience a delay action if surrounding temperature drops below 68° F. Remember, do not expose magazine directly under the sun or incinerate the magazine, it may cause bursting. It is strongly recommended to empty gas from magazine after shooting. Be sure to avoid direct gas contact with eyes or skin when gas is being released, it will cause cold burns.

### Green Gas safety tips:

- Check the canister for any cracks or leaks before using
- Do not expose the canister to temperature over 104° F
- Do not leave the canister directly over fire
- Do not heat the canister
- · Keep the canister away from direct sunlight
- Do not leave the canisters in vehicles

### DISCHARGING GAS

Hold the magazine at the bottom. Press the valve. Residual gas may now be discharged.





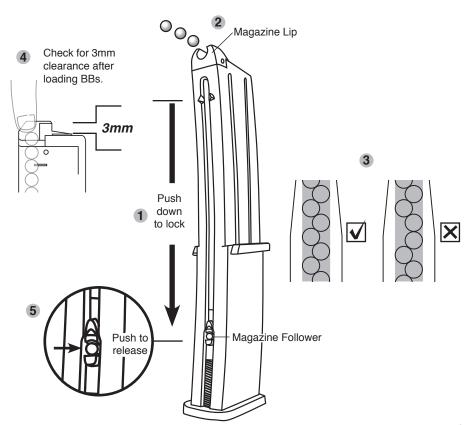
### **LOADING BBs**

- 1. Pull magazine follower down until it locks.
- 2. Insert BBs into magazine lip.
- 3. BBs should stack staggered for maximum round capacity: 48 rounds.
- 4. Make sure to have a 3mm clearance between BBs and top lip of magazine.
- 5. Push magazine follower lock to release.

**Note:** Always use KWA Perfect BBs 0.2 or 0.25G. Using only KWA Perfect BBs can give your air sports gun its best performance. Using improper and low grade BBs may damage the gun.

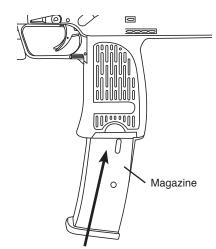


WARNING: Do not release magazine follower when the magazine is empty. Doing so will damage the magazine and magazine follower.



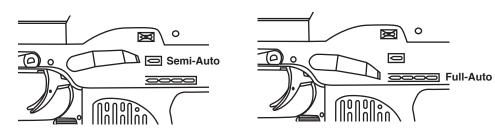
### LOADING MAGAZINE

- 1. Place magazine back into magazine well.
- Push up magazine until it clicks into locked position.
- 3. Pull magazine down to assure that it has been locked in place.



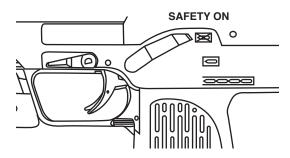
### SELECTOR

Selector is located behind the trigger. Select icon with one bullet shape to fire semiautomatic (single shot) and select icon with multiple bullets to fire full automatic (continuous shots).



### SAFETY

Safety is located behind the trigger. Safety is engaged when you push the selector up toward the "no firing" icon. Safety is disengaged when you push selector away from "no firing" icon toward "automatic" or "semi-automatic firing" icons.





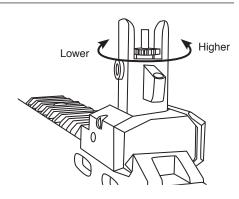
WARNING: Make sure to have safety on at all times when not in a shooting position.



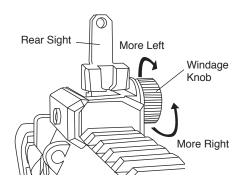
### FRONT SIGHT ADJUSTMENT



WARNING! If turned too far, the front sight will come off.



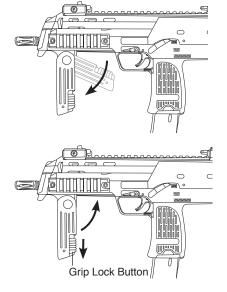
### **REAR SIGHT ADJUSTMENT**



### **HAND GRIP**

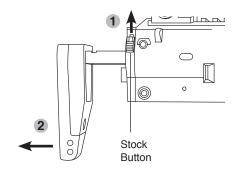
To use hand grip, pull hand grip downward untill it locks.

To put away hand grip, push down on grip lock button then push hand grip upward toward gun.



### RETRACTABLE STOCK

- 1. Push stock button upward.
- Pull retractable stock outward until it lock into place.



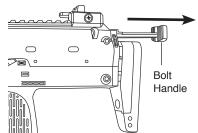
### COCKING

Before firing, the bolt must be in full cock position. To put bolt in full cock position, pull the cocking lever toward the rear of the gun.

NOTE: For absolute assurance against accidental discharge due to inadvertent trigger pull, keep the manual safety engaged during loading or unloading.

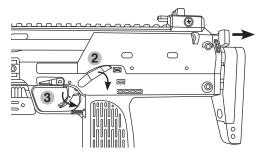


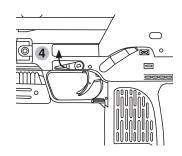
WARNING: Always keep finger off the trigger until ready to fire. Make sure the muzzle is pointing in a safe direction.



#### SHOOTING

- 1. Put the bolt in full cock position.
- 2. Choose shooting mode. Select semi-auto or full-automatic.
- Pull the trigger to fire.
- 4. After the last BB has been fired, the slide will remain in its rearmost position. Press the slide catch to bring it back to the closed position.







WARNING: It is recommended to wear eye protection at all times. BBs may bounce off hard surfaces (ricochet). Always point gun in a safe direction.



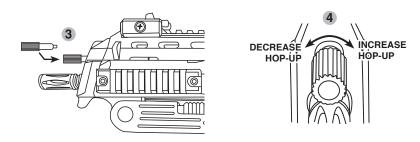
#### **HOP-UP SYSTEM**

The Hop Up device is one of the KWA standard features. Hop gives Airsoft BBs greater stability, further travel and increased accuracy. Being light-weight, Airsoft BBs can be affected by wind when fired. With the Hop up system, the trajectory of the Airsoft BBs can be adjusted according to the surroundings (or environment) you are in.

### **HOP UP ADJUSTMENT**

Make sure you have sufficient gas pressure inside magazine, chamber is slightly oiled and you have at least 65 feet clearance for test fire before making any adjustments.

- 1. Test fire gun for 10 ~ 20 rounds and observe the BB travelling pattern.
- 2. Remove magazine.
- 3. Insert Hop-Up Adjustment Tool into the ??.
- Turn ring counter clockwise if BBs go downward. Turn ring clockwise if BBs go upward.
- Adjust -> Test Fire -> Adjust: Repeat the procedures until you find the proper trajectory



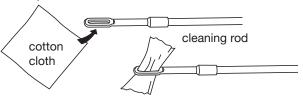
### **ADJUSTMENT POINT**

HOP UP EFFECTIVENESS	BB TRAJECTORY PATTERN		ADJU	STMENTS
NOT EFFECTIVE	<b>/</b> *	BB DROPS FREELY		TURN KNOB TO LEFT
SLIGHTLY	<b>₹</b>	BB TRAVELS AT SHORT TRAJECTORY PATH	t (	TURN KNOB SLIGHTLY TO LEFT
PROPERLY	<b>~</b>	BB TRAVELS DISTANCE AT FLAT TRAJECTORY PATH		NO ADJUSTMENT MADE
OVERLY		BB TRAVELS FLAT IN SHORT DISTANCE, THEN GOES UP IN CURVE AND DROPS FREELY	① 1	TURN KNOB SLIGHTLY TO RIGHT
EXTREMELY EFFECTIVE		BB TRAVELS AT UNSTABLE SPEED AND IRREGULAR PATH	(C)	TURN KNOB TO RIGHT

#### **CLEANING PROCEDURE**

The Airsoft gun barrel should be cleaned and lubricated after each shooting session. Regular cleaning prevents the effects of BB residue buildup, and ensures all parts are lubricated properly.

- 1. Ensure that the safety is engaged
- 2. Disable Hop-Up by dialing to the normal position
- 3. Remove the magazine and clear the chamber of loaded BBs
- 4. Disassemble the receiver (see Disassembly section)
- 5. Steps to use cleaning rod:
  - a. Cut a piece of clean cotton cloth to 1 inch by 0.5 inch size. Insert one end
    of the cloth into the hole in the cleaning rod (adjust the length of cloth for
    smooth entry into the barrel)
  - b. Wind the cloth around the cleaning rod
  - Insert the cleaning rod into the inner barrel, turning the rod as you insert it into the barrel
  - Remove the cleaning rod and check the cotton cloth for dirt. Repeat steps a through d when necessary



6. Clean the remainder of the Airsoft gun with cotton-tipped swabs, or general purpose cleaning cloths.

### GENERAL MAINTENANCE FOR KWA GAS BLOW BACK

Use only 100% Silicone oil recommended by, and available at, the Airsoft dealer where you purchased your KWA products. Any other type of lubricant may damage the products.

Lightly lubricate frame rails, recoil spring and moving parts. With few drops of oil and parts movement to insure oil penetration, particularly lubricate the chrome piston unit, slide rail, frame rail, barrel lock-up block and recoil spring.

Lubricating seals and the o-ring are essential. Unload BBs from magazine and make sure the magazine is free of gas before you lubricate charging valve and release valve of the magazine.

Green gas is liquid propellant which tends to dry out the seals and o-rings. With lubricating silicone oil, it will extend the life of the seal and o-ring and prevent gas leak.



BASIC TROUBLESHOOTING GUIDE		
SYMPTOMS	POSSIBLE CAUSE	SOLUTIONS
Slide jams / Will not complete cycle	Dry internal	Add silicone to cylinder / main seal/ rails
Double feeds BB's into chamber / BB's roll out of barrel	Hop-up adjustment too tight	Release hop-up or replace bucking
BB's will not release from magazine / bent mag lip/ check bb condition	Bended magazine lip	Replace magazine lip
Leaking release valve & charging valve	Dry O-ring	Add silicone oil to valves
Safety lever not working	Loose screw on lever	Tighten lever allen screw
Slide will not disassemble	Broken locking block	Send in for repair service
Slide stop engages while shooting BB's	Weak slide stop spring	Adjust tension
Magazine base plate will not lock	Broken base plate lock	Replace base plate lock
Magazine base leaking air	Worn out base seal	Replace magazine base seal
Cylinder will not load BB's into chamber	Broken Cylinder tap	Replace cylinder
Trigger will not reset	Worn out trigger spring / trigger bar spring	Replace trigger spring / trigger bar spring

### **OPERATING UNDER UNUSUAL CONDITIONS**

Unusual conditions are defined as any condition requiring special maintenance. Perform maintenance outlined for the climate similar to your operational area.

#### Extreme Cold:

Operating an Airsoft gas gun in extremely cold temperatures is not recommended. Cold temperature will cause the Hop-up Bucking to harden, reducing its effectiveness. Gas also do not expand as well in cold temperatures, so cycling rate and power will both be dramatically reduced.

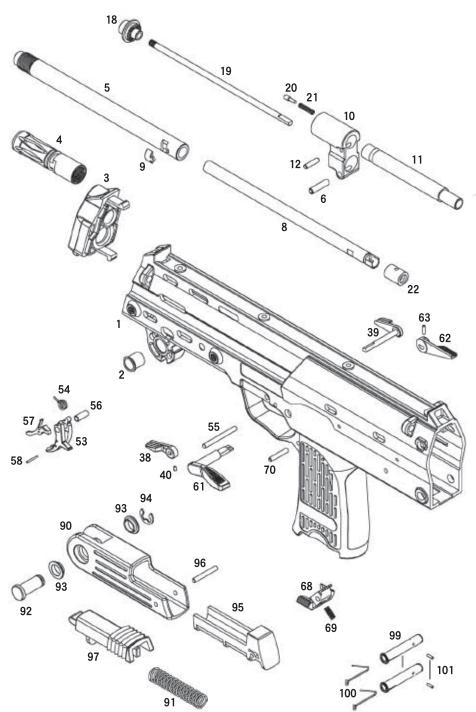
#### **Extreme Heat:**

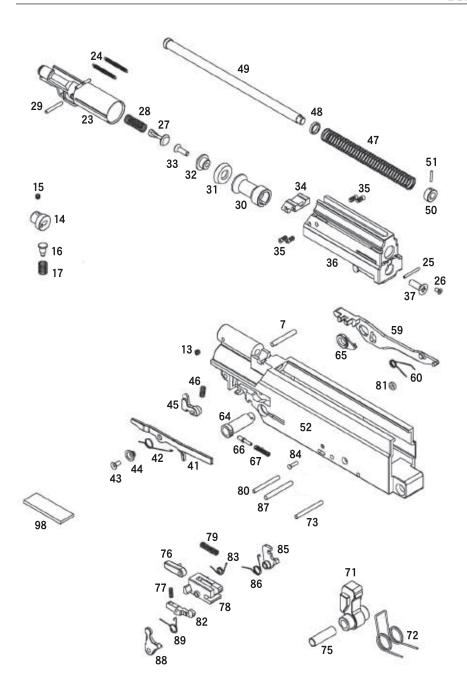
Operating an Airsoft gas gun in extremely hot temperatures is not recommended. Leaving the gun in direct sun light for long periods of time or operating in extremely hot areas will cause the gas to expand, damaging the internal workings of the gun. The increase in internal pressure from the expanding gas can also damage the seals and cause leaks in the magazine.

#### **Dust or Sand:**

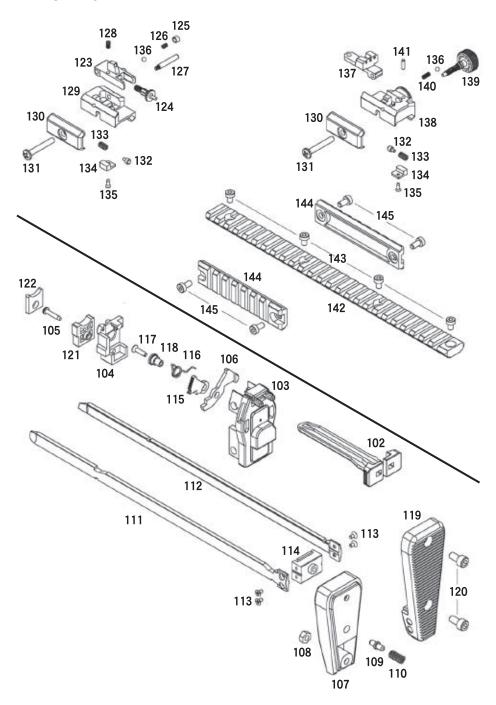
Dust or sand can get into a gas gun and cause malfunctions and/or excessive wear. Keep the gun covered whenever possible. Use lubricant sparingly, as lube naturally attracts dirt and other particles. After use in a dusty area, always field strip the gun (refer to Disassembly Section) and clean any areas you can reach with a soft, lint-free cloth.

## **PARTS DIAGRAM**





### **PARTS DIAGRAM**





## **PARTS LIST**

Parts #	Description
199-0111-1	Frame
199-0111-2	Front Grip Bushing
199-0111-3	Front Receiver Cover
199-0111-4	Flash Hider
199-0111-5	Outer Barrel
199-0111-6	Outer Barrel Roll Pin
199-0111-7	Inner Frame Pin
199-0111-8	Inner Barrel
199-0111-9	Inner Barrel Lock
199-0111-10	Gas Tube Support Base
199-0111-11	Gas Tube
199-0111-12	Gas Tube Roll Pin
199-0111-13	Gas Tube Allen Screw
199-0111-14	Hop-Up Wheel
199-0111-15	Hop-Up Wheel Allen Screw
199-0111-16	Hop-Up Plunger
199-0111-17	Hop-Up Plunger Spring
199-0111-18	Hop-Up Adjustment Dial
199-0111-19	Hop-Up Adjustment Shaft
199-0111-20	Hop-Up Adjustment Dial Plunger
199-0111-21	Adjustment Dial Plunger Spring
199-0111-22	Hop-Up Bucking
199-0111-23	Cylinder
199-0111-24	Cylinder Return Springs x 2
199-0111-25	Cylinder Return Spring Retainer Pin
199-0111-26	Retainer Pin Sleeve
199-0111-27	Jet Nozzle Plunger
199-0111-28	Jet Nozzle Spring
199-0111-29	Jet Nozzle Pin
199-0111-30	Main Seal Base
199-0111-31	Main Seal
199-0111-32	Main Seal Cap
199-0111-33	Main Seal Cap Screw
199-0111-34	Bolt Cover " Front "
199-0111-35	Bolt Cover Allen Screws x 4
199-0111-36	Bolt / Breach

199-0111-37         Main Seal Base Screw           199-0111-38         Bolt Catch Release Lever "Left"           199-0111-39         Bolt Catch Release Lever "Right"           199-0111-40         Release Lever Allen Screw           199-0111-41         Bolt Catch Lever           199-0111-42         Bolt Catch Lever Spring           199-0111-43         Lever Retainer Screw           199-0111-44         Spring Retainer           199-0111-45         Bolt Catch Lever Reset           199-0111-46         Reset Spring           199-0111-47         Recoil Spring           199-0111-48         "Front"           199-0111-50         Recoil Spring Retainer "Front"           199-0111-51         Recoil Spring Retainer Rear"           199-0111-52         Inner Frame Pin           199-0111-53         Trigger           199-0111-54         Trigger Return Spring           199-0111-55         Trigger Pin	Parts #	Description
199-0111-38	199-0111-37	Main Seal Base Screw
199-0111-39 "Right"  199-0111-40 Release Lever Allen Screw  199-0111-41 Bolt Catch Lever  199-0111-42 Bolt Catch Lever Spring  199-0111-43 Lever Retainer Screw  199-0111-44 Spring Retainer  199-0111-45 Bolt Catch Lever Reset  199-0111-47 Recoil Spring  199-0111-48 Recoil Spring Retainer "Front"  199-0111-50 Recoil Spring Retainer "Rear"  199-0111-51 Recoil Spring Retainer Recoil Spring Retainer Recoil Spring Retainer "Front"  199-0111-50 Recoil Spring Retainer Rear"  199-0111-51 Recoil Spring Retainer Roll Pin  199-0111-52 Inner Frame Pin  199-0111-53 Trigger  199-0111-54 Trigger Return Spring	199-0111-38	
199-0111-41         Bolt Catch Lever           199-0111-42         Bolt Catch Lever Spring           199-0111-43         Lever Retainer Screw           199-0111-44         Spring Retainer           199-0111-45         Bolt Catch Lever Reset           199-0111-46         Reset Spring           199-0111-47         Recoil Spring Retainer           "Front"         199-0111-48           199-0111-49         Recoil Spring Retainer           "Rear"         Recoil Spring Retainer           199-0111-50         Recoil Spring Retainer           Relief Pin         199-0111-51           199-0111-52         Inner Frame Pin           199-0111-53         Trigger           199-0111-54         Trigger Return Spring	199-0111-39	
199-0111-42         Bolt Catch Lever Spring           199-0111-43         Lever Retainer Screw           199-0111-44         Spring Retainer           199-0111-45         Bolt Catch Lever Reset           199-0111-46         Reset Spring           199-0111-47         Recoil Spring Retainer           199-0111-48         Recoil Spring Retainer           "Front"         Recoil Spring Retainer           199-0111-50         Recoil Spring Retainer           "Rear"         Recoil Spring Retainer           199-0111-51         Recoil Spring Retainer           199-0111-52         Inner Frame Pin           199-0111-53         Trigger           199-0111-54         Trigger Return Spring	199-0111-40	Release Lever Allen Screw
199-0111-43 Lever Retainer Screw 199-0111-44 Spring Retainer 199-0111-45 Bolt Catch Lever Reset 199-0111-46 Reset Spring 199-0111-47 Recoil Spring Retainer "Front" 199-0111-49 Recoil Spring Guide Rod 199-0111-50 Recoil Spring Retainer "Rear" 199-0111-51 Recoil Spring Retainer Roll Pin 199-0111-52 Inner Frame Pin 199-0111-53 Trigger 199-0111-54 Trigger Return Spring	199-0111-41	Bolt Catch Lever
199-0111-44 Spring Retainer 199-0111-45 Bolt Catch Lever Reset 199-0111-46 Reset Spring 199-0111-47 Recoil Spring Retainer "Front" 199-0111-49 Recoil Spring Guide Rod 199-0111-50 "Recoil Spring Retainer "Rear" 199-0111-51 Recoil Spring Retainer Roll Pin 199-0111-52 Inner Frame Pin 199-0111-53 Trigger 199-0111-54 Trigger Return Spring	199-0111-42	Bolt Catch Lever Spring
199-0111-45 Bolt Catch Lever Reset 199-0111-46 Reset Spring 199-0111-47 Recoil Spring 199-0111-48 Recoil Spring Retainer "Front" 199-0111-50 Recoil Spring Guide Rod 199-0111-51 Recoil Spring Retainer "Rear" 199-0111-51 Inner Frame Pin 199-0111-52 Trigger 199-0111-54 Trigger Return Spring	199-0111-43	Lever Retainer Screw
199-0111-46 Reset Spring 199-0111-47 Recoil Spring 199-0111-48 "Front" 199-0111-49 Recoil Spring Retainer "Front" 199-0111-50 "Recoil Spring Retainer "Rear" 199-0111-51 Recoil Spring Retainer Recoil Spring Retainer Recoil Spring Retainer Recoil Spring Retainer Roll Pin 199-0111-52 Inner Frame Pin 199-0111-53 Trigger 199-0111-54 Trigger Return Spring	199-0111-44	Spring Retainer
199-0111-47 Recoil Spring 199-0111-48 "Front" 199-0111-49 Recoil Spring Retainer "Front" 199-0111-50 "Recoil Spring Retainer "Rear" 199-0111-51 Recoil Spring Retainer Roll Pin 199-0111-52 Inner Frame Pin 199-0111-53 Trigger 199-0111-54 Trigger Return Spring	199-0111-45	Bolt Catch Lever Reset
199-0111-48	199-0111-46	Reset Spring
199-0111-49 "Front"  199-0111-49 Recoil Spring Guide Rod  199-0111-50 "Recoil Spring Retainer "Rear"  199-0111-51 Recoil Spring Retainer Roll Pin  199-0111-52 Inner Frame Pin  199-0111-53 Trigger  199-0111-54 Trigger Return Spring	199-0111-47	Recoil Spring
199-0111-50	199-0111-48	
199-0111-50 "Rear"  199-0111-51 Recoil Spring Retainer Roll Pin  199-0111-52 Inner Frame Pin  199-0111-53 Trigger  199-0111-54 Trigger Return Spring	199-0111-49	Recoil Spring Guide Rod
199-0111-51 Roll Pin  199-0111-52 Inner Frame Pin  199-0111-53 Trigger  199-0111-54 Trigger Return Spring	199-0111-50	
199-0111-53         Trigger           199-0111-54         Trigger Return Spring	199-0111-51	
199-0111-54 Trigger Return Spring	199-0111-52	Inner Frame Pin
33 1 3	199-0111-53	Trigger
199-0111-55 Trigger Pin	199-0111-54	Trigger Return Spring
	199-0111-55	Trigger Pin
199-0111-56 Trigger Pin Sleeve	199-0111-56	Trigger Pin Sleeve
199-0111-57 Trigger Safety	199-0111-57	Trigger Safety
199-0111-58 Trigger Safety Pin	199-0111-58	Trigger Safety Pin
199-0111-59 Trigger Transfer Bar	199-0111-59	Trigger Transfer Bar
199-0111-60 Trigger Transfer Bar Spring	199-0111-60	Trigger Transfer Bar Spring
199-0111-61 Selector Lever "Left"	199-0111-61	Selector Lever "Left"
199-0111-62 Selector Lever "Right"	199-0111-62	Selector Lever "Right"
199-0111-63 Selector Lever Allen Screw "Right"	199-0111-63	
199-0111-64 Selector Leveer Sleeve	199-0111-64	Selector Leveer Sleeve
199-0111-65 Transfer Bar Elevator	199-0111-65	Transfer Bar Elevator
199-0111-66 Selector Lever Sleeve Plunger	199-0111-66	
199-0111-67 Plunger Spring	199-0111-67	
199-0111-68 Magazine Catch	199-0111-68	Magazine Catch
199-0111-69 Magazine Catch Spring	199-0111-69	Magazine Catch Spring
199-0111-70 Magazine Catch Roll Pin	199-0111-70	Magazine Catch Roll Pin

Parts #	Description
199-0111-71	Hammer
199-0111-72	Hammer Spring
199-0111-73	Hammer Spring Retainer Pin
199-0111-74	Hammer Pin
199-0111-75	Hammer Pin
199-0111-76	Impact Block
199-0111-77	Impact Block Base Reset Lever Spring
199-0111-78	Impact Block Base
199-0111-79	Impact Block Base Pin
199-0111-80	Impact Block Pin
199-0111-82	Impact Block Base Reset Lever
199-0111-83	Impact Block Spring
199-0111-84	Impact Block Base Reset Lever Pin
199-0111-85	Right Sear
199-0111-86	Right Sear Spring
199-0111-87	Sear Pin
199-0111-88	Left Sear
199-0111-89	Left Sear Spring
199-0111-90	Pistol Grip
199-0111-91	Grip Spring
199-0111-92	Grip Pin
199-0111-93	Grip Pin Ring x 2
199-0111-94	Grip Pin Retainer E-Clip
199-0111-95	Grip Insert
199-0111-96	Grip Insert Pin
199-0111-97	Grip Release Plate
199-0111-98	Serial Number Plate
199-0111-99	Receiver Pins x 2
199-0111-100	Receiver Pin Springs x 2
199-0111-101	Receiver Pin Spring Roll Pin x 2
199-0111-102	Bolt Charging Handle
199-0111-103	Rear Receiver Cover
199-0111-104	Stock Release Lever Cover
199-0111-105	Bolt Buffer Pad Base Torx Screw
199-0111-106	Stock Release Lever "Right"

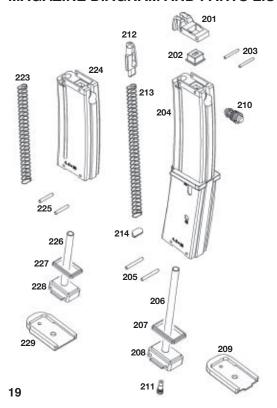
# **PARTS LIST**

Parts #	Description
199-0111-107	Stock Butt Pad Base
199-0111-108	Butt Pad Allen Screw
199-0111-109	Butt Pad Base Plunger
199-0111-110	Butt Pad Base Plunger Spring
199-0111-111	Stock Rail "Left"
199-0111-112	Stock Rail "Right"
199-0111-113	Stock Rail Screws x 4
199-0111-114	Stock Rail Spacer
199-0111-115	Stock Release Lever "Left"
199-0111-116	Stock Release Lever Spring
199-0111-117	Retainer Screw
199-0111-118	Release Lever Spring Retainer
199-0111-119	Stock Butt Pad Base

Parts #	Description
199-0111-120	Stock Butt Pad Allen Screw x 2
199-0111-121	Bolt Buffer Pad Base
199-0111-122	Bolt Buffer Pad
199-0111-123	Front Sight Blade
199-0111-124	Front Sight Post
199-0111-125	Front Sight Post Spring Cover
199-0111-126	Front Sight Post Ball Bearing Spring
199-0111-127	Front Sight Blade Pin
199-0111-128	Front Sight Blade Elevation Adjustment Torx Screw
199-0111-129	Front Sight Base
199-0111-130	Sight Locking Plate
199-0111-131	Sight Locking Plate Screw
199-0111-132	Sight Blade Plunber

Parts #	Description
199-0111-133	Sight Blade Plunger Spring
199-0111-134	Sight Blade Plunger Cover
199-0111-135	Sight Blade Plunger Screw
199-0111-136	Sight Windage Knob Ball Bearing
199-0111-137	Rear Sight Blade
199-0111-138	Rear Sight Base
199-0111-139	Rear Sight Windage Knob
199-0111-140	Rear Sight Windage Knob Spring
199-0111-141	Rear Sight Windage Knob Roll Pin
199-0111-142	Top Rail
199-0111-143	Top Rail Allen Screws x 4
199-0111-144	Side Rails x 2
199-0111-145	Side Rail Allen Screw x 4

# **MAGAZINE DIAGRAM AND PARTS LIST**



Parts #	Description
199-0111-201	Magazine Lip
199-0111-202	Magazine Lip Nozzle Seal
199-0111-203	Magazine Lip Pins x 2
199-0111-204	Magazine Body " Hi Cap"
199-0111-205	Magazine Base Pins x 2 "Hi Cap"
199-0111-206	Magazine Gas Expansion Tube "Hi Cap"
199-0111-207	Magazine Base Seal "Hi Cap"
199-0111-208	Magazine Base "Hi Cap"
199-0111-209	Magazine Base Plate "Hi Cap"
199-0111-210	Magazine Release Valve
199-0111-211	Magazine Charging Valve
199-0111-212	Magazine Follower
199-0111-213	Magazine Follower Spring "Hi Cap"
199-0111-214	Magazine Base Plate
199-0111-223	Magazine Follower Spring "Mid Cap"
199-0111-224	Magazine Body "Mid Cap"
199-0111-225	Magazine Base Pins x 2 "Mid Cap"
199-0111-226	Magazine Gas Expansion Tube "Mid Cap"
199-0111-227	Magazine Base Seal "Mid Cap"
199-0111-228	Magazine Base "Mid Cap"
199-0111-229	Magazine Base Plate "Mid Cap"

## KWA Performance Industries, Inc.

18571 E. Gale Ave City of Industry, CA 91748 T: 626.581.1777 • F: 626.581.0777 www.kwausa.com