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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 go to the Help Desk at www.kwaua.com/support 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.

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 Help Desk at www.kwaua.com/support.

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 AN 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.

THANK YOU FOR PURCHASING A KWA PERFORMANCE INDUSTRIES, INC. PRODUCT. KWA Performance Industries, Inc. is committed to serving our customers with the finest quality products, the highest level of service, and the best customer satisfaction. Because of this, we offer a 90-day warranty on all KWA products we import and distribute.

Warranty Coverage
Except as specified below, this warranty covers all defects in material and workmanship in KWA products that occur during the above warranty period. 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 a KWA AUTHORIZED RESELLER. If you are uncertain as to whether a reseller is a KWA AUTHORIZED RESELLER, please contact KWA PERFORMANCE INDUSTRIES, INC. as listed above or visit our website www.kwaua.com/where-to-buy (3) Damages, deterioration, or malfunction resulting from: a) An accident, act of nature, abuse, misuse, neglect, 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 (i.e. Propane, Red Gas, 134a...etc.) (6) Use in industrial, commercial, and/or professional applications.

What KWA Will Pay For
If your KWA product is found to be defective by KWA Performance Industries, Inc. during the applicable warranty period from the date of original purchase, 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.
USE OF THIS MANUAL

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

SAFETY GUIDELINES

Safety Distance
The effective shooting range is approximately 50 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 BBs under pressure while performing maintenance on your Airsoft gun.

Assume Every Gun is Always Loaded
Until you are certain the chamber is empty, 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 remove the magazine and visually check to confirm the chamber is empty.

Beware of Barrel Obstructions
Ensure the Airsoft gun barrel is free of obstructions before you fire the gun. Even the smallest obstruction such as dirt, dust, or a stuck cleaning patch can cause a jam, misfire, or malfunction.

Muzzle Control
Always keep the muzzle of the gun 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 the gun’s 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.

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 such as rocks, glass, water, or other hard surfaces where BBs are likely to ricochet in unpredictable directions.

WARNING:
- Airsoft BBs can be a choking hazard. Keep them away from children.
- Failure to follow safety guidelines may result in serious injury.

SAFETY GUIDELINES (CONTINUED)

Failure To Fire
If the Airsoft gun fails to fire, misfires, or malfunctions, do not look into the gun 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 its designed specifications for many years. Alterations, modifications or adjustments may damage your Airsoft gun, make it unsafe to shoot, and will void all 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, and remove the magazine before storing the Airsoft gun.

NOTE: IT IS YOUR RESPONSIBILITY TO TAKE EVERY REASONABLE PRECAUTION TO ENSURE THE SAFE STORAGE AND TRANSPORTATION OF 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 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 as real firearms. A confrontation with law enforcement while carrying an Airsoft gun 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 immediately to avoid an 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.

WARNING:
- Adult supervision is required for any person under the age of 18.
SPECIFICATIONS

- Overall Length [Retracted] = 901.7 mm (35.6")
- Overall Length [Extended] = 984.26 mm (38.75")
- Inner Barrel Length = 439.74 mm (17.313")
- Inner Barrel Diameter = 6.05 mm
- Weight (without magazine) = 3.71 kg (8.19 lbs)
- Barrel thread = -14 mm
- Caliber = 8 mm
- Magazine Capacity = 40 rounds
- Rate of Fire = 144 RPS
- Velocity = 118–125 MPS (399–410 FPS)"
- Energy Output with 0.20g BB = 1.49 Joules
- Gas System = Force Velocity
- Propellant = Green Gas

*Individual test results may vary depending on brand of BBs, ambient temperature, and chronograh used.

Special Features:
- Gas operated recil blow back
- Repeating construction & field stripping
- Full metal alloy receiver
- Air side rail
- Collapsible stock
- Blank fire mode
- Semi and full auto select fire
- Adjustable hop-up
- Pistol grip storage compartment

PACKAGE CONTENTS

1 AKG-KCR Airsoft Gun
1 Sight Adjustment Tool
1 BB Loading Tool
1 Owners Manual
1 Cleaning Rod

CHARGING GAS

1. Release the magazine by pressing the magazine catch lever towards the magazine.
2. Push the gas canister nozzle into the charging valve. Make sure the canister is in a vertical position when charging.
3. Charge the magazine for approximately 30-40 seconds.

Note: it is normal to have minor leaking from the charging valve during charging due to high pressure built up inside the magazine. It is recommended to keep the gas release valve slightly oiled. Room temperature is the ideal temperature for shooting. You may experience a delayed action if the surrounding temperature drops below 68° F.

Note: Do not expose the magazine to direct sunlight or incinerate the magazine, as this may cause the magazine to burst. It is strongly recommended to empty the gas from the magazine after shooting. Be certain that the gas does not make contact with eyes or skin while being released, as any contact 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 canister in any type of vehicle.

WARNING:

- Avoid dropping the magazine. Sudden impact with a hard surface may cause damage to the magazine.
LOADING BBS

1. Release the magazine from the Airsoft gun by pressing the magazine catch lever.
2. Fit the standard BB loader over the magazine feed lip.
3. Load the BBs into the BB loader.
4. Insert the plunger into the BB loader and push down to load BBs into the magazine.

WARNING:
- Always use high quality 6mm BBs, weighing 0.2g or heavier. For best results use 0.25g KWA Perfect BBs. Never use recycled or low grade BBs to prevent damage to your gun.

BLANK FIRE FEATURE

One of the standard features of the KWA AKG Series is the Integrated Blank Fire Device implemented in every AKG magazine. This allows for the AKGs to be fired continuously without BB's for training use.

1. Push down and hold the Base Plate Stop to release the Magazine Base Plate.
2. Slide the Base Plate backwards to reveal the Blank Fire Key.
3. Insert the key into the Indicator Wheel.
4. Turn the Indicator Wheel to the desired position as shown.

WARNING:
- Any loaded rounds can still fire with the Blank Fire Device activated. Always make sure the gun is unloaded by inspecting BOTH the chamber and magazine. Failure to do so may result in serious injury.
FIRE SELECTOR SWITCH

1. Safe
Safe mode is the highest setting as indicated in the diagram below. In this mode the gun will not fire. For safety reasons, you should keep the switch in Safe mode at all times when you are not ready to fire.

2. Full Auto
Full Auto mode is the second setting. In this mode the gun will fire continuously as long as the trigger is engaged.

3. Semi-Auto
Semi-Auto mode is the lowest setting. In this mode the gun will fire one shot for each time you squeeze the trigger.

FRONT SIGHT ADJUSTMENT

1. The front sight can be moved up and down to zero the sights.
2. Turn counter clockwise to raise the post.
3. Turn clockwise to lower the post.

WARNIMG:
- Do not squeeze the trigger when switching the fire selector.
- If turned too far, the front sight will come off.

DISASSEMBLY

1. Remove magazine.
2. Charge the bolt to reset the hammer.
   Note: Check and clear the chamber of BB’s.
3. Set the selector to semi-automatic.
4. Depress the spring guide to lift the cover.
5. Push the spring guide forward then up to remove the spring guide.
6. Pull the bolt carrier to the rearmost position. The bolt may need to be physically pushed to the cutout position to clear the hammer.
7. Lift the bolt carrier out of the lower receiver.

WARNING:
- Always place the safety cap on the barrel tip when servicing your gun.
ASSEMBLY

1. Re-install the bolt carrier onto receiver and push bolt to full forward position.
2. Re-install the recoil guide into opening of bolt carrier. Compress recoil guide and insert into recoil guide cutout on receiver.
3. Align front end of dust cover with receiver and push down until it locks.
4. Cycle bolt to ensure proper re-assembly.

CLEANING

The Airsoft gun inner barrel should be cleaned after each shooting session. Regular cleaning prevents the effects of BB residue buildup that can hinder performance.

1. Ensure that the safety is engaged
2. Remove the magazine and clear the chamber of loaded BBs
3. Disassemble the receiver (see Disassembly section pg. 12)

CLEANING (CONTINUED)

4. 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
   c. Insert the cleaning rod into the inner barrel, and push the rod through.
   d. Remove the cleaning rod and check the cotton cloth for dirt. Repeat steps a, through c, when necessary.
5. Oil the piston seal and hammer.

NOTE: Lubricating dry seals and o-rings are essential. Unload BBs from the magazine. Make sure the magazine is free of gas before lubricating the magazine's charging valve and release valve.

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

WARNING:
- Unload and clear the Airsoft gun before cleaning.
- DO NOT use spray silicone oil as a cleaning solution for the inner barrel.
HOP-UP SYSTEM

The Hop-Up device is one of KWA's standard features, giving Airsoft BBs greater stability, further travel, and increased accuracy. Airsoft BBs are light-weight and can be affected by wind when fired. With the Hop-Up system, the trajectory of the Airsoft BBs can be adjusted according to the shooting environment or surroundings.

HOP-UP ADJUSTMENT

1. Test fire the gun to determine the amount of hopup needed.
2. Remove the Magazine.
3. Pull the bolt back to access the Hop-Up Dial.
4. Turn the Hop-Up Dial to adjust hop.
5. Left for more hop, right for less hop.
6. Test fire and adjust as needed.

![Hop-Up System Diagram]

BASIC TROUBLESHOOTING GUIDE FOR RIFLES

<table>
<thead>
<tr>
<th>SYMPTOMS</th>
<th>POSSIBLE CAUSE</th>
<th>SOLUTIONS</th>
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<tbody>
<tr>
<td>Slide jams / Will not complete cycle</td>
<td>Dry internals</td>
<td>Add silicone to cylinder / main seal</td>
</tr>
<tr>
<td>Double feeds BBs into chamber / BB's roll out of barrel</td>
<td>Hop-up adjustment too tight</td>
<td>Release hop-up or replace bucking</td>
</tr>
<tr>
<td>BBs will not release from magazine / bent mag lip / check BB condition</td>
<td>Bent magazine lip</td>
<td>Replace magazine lip</td>
</tr>
<tr>
<td>Leaking rubber &amp; charging valve</td>
<td>Dry O-ring</td>
<td>Add silicone oil to valves / Replace valve</td>
</tr>
<tr>
<td>Slide stop engages while shooting BBs</td>
<td>Weak slide stop spring</td>
<td>Adjust tension</td>
</tr>
<tr>
<td>Magazine base plate will not lock</td>
<td>Broken base plate lock</td>
<td>Replace base plate lock</td>
</tr>
<tr>
<td>Magazine base leaking air</td>
<td>Worn out base seal</td>
<td>Replace magazine base seal</td>
</tr>
<tr>
<td>Cylinder will not load BBs into chamber</td>
<td>Broken cylinder tab</td>
<td>Replace cylinder</td>
</tr>
<tr>
<td>Trigger will not reset</td>
<td>Worn out trigger spring / trigger bow spring</td>
<td>Replace trigger spring / trigger bow spring</td>
</tr>
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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 temperatures will cause the Hop-Up Bucking to harden, reducing its effectiveness. Gas will not expand properly in cold temperatures, so both the cycling rate and power will be dramatically reduced.

Extreme Heat:
Operating an Airsoft gas gun in extremely hot temperatures is also not recommended. Leaving the gun in direct sunlight for long periods of time, or operating in extremely hot areas will cause the gas to over-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 flex strip the gun (refer to Disassembly section) and clean any areas you can reach with a soft, lint-free cloth.