

## Troubleshooting Guide

Status	Cause	Action
No operation at all	Fire selector is set to Safe	Set the fires selector to Semi or Full Auto
	Battery is not charged	Fully charge the battery
	Battery connector is disconnected or reversed	Connect the connector correctly
	Fuse is fall off or blown down	Replace the fuse
	Poor Motor electrical connection	Check and repair the motor
	Expired Motor Life	Replace a new motor
Although the motor is running, but no BB fire out	Magazine is not full seated into the receiver	Load the magazine into receiver and turn the gear wheel. If still doesn't work, contact your service technician or ask us for assistance
	Bullets are clogged in Hop up system or barrel	Using the cleaning rod to remove clogged bullets
	Faulty gear	Please contact your service technician or ask us for assistance
	Tappet plate is broken	
Full auto not functioning	Insufficient battery power	Charge the battery
	Fault bullets feed from magazine	Using the cleaning rod to remove clogged bullets
Semi auto not functioning	Deviation in gear timing	Fire 5-6 rounds in full auto then switch back to semi auto again
	Insufficient battery power	Charge the battery
	Fault bullets feed from magazine	Using the cleaning rod to remove clogged bullets
BB roll out from barrel	Hop up or barrel damaged	Please contact your service technician or ask us for assistance
	Faulty or poor quality of BB	Use higher quality BB
Shooting distance greatly reduced	Hop up or barrel damaged	Please contact your service technician or ask us for assistance
	Piston or O-ring damaged	
	Deteriorated piston spring	
	Gear problem caused by excessive dry firing	
	Faulty BB Bullets	
Loud operation noise	Damaged gear	Please contact your service technician or ask us for assistance
	Problem caused by engagement between the motor and gears	Don't tune the engagement between the motor and bevel gear yourself, contact your service technician or ask us for assistance
Gun has been immersed by water	Stop Operation immediately and disconnect the battery. Wipe off any excess water from inside the body and from the battery. When AEG is completely dry, test fire. If no operation or signs of malfunction is suspected, please contact your service technician or ask us for assistance	

# INSTRUCTION

## AUTOMATIC AIRSOFT GUN SERIES CARBINE

### CAUTIOUS & ADMINISTRATIVE MANUAL

Users Restricted to 18 Years of age or older



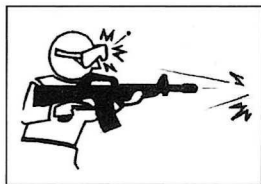
**HOP UP**



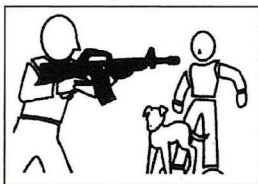
This Airgun is not intended for unsupervised use by any persons under the age of 18 years. Always read the instructions carefully before operation

**E&C**<sup>®</sup>  
East Crane

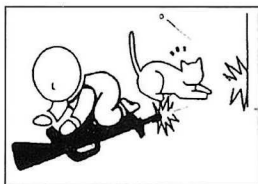
## Warning (Restricted to user under age of 18 years)



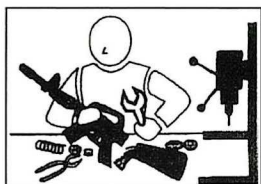
Always wear goggles or eye protective gear to protect your eyes when shooting



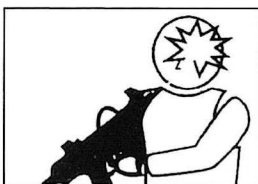
Never point the muzzle at people or animals



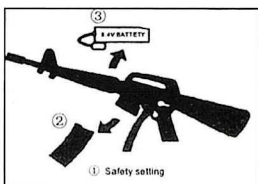
Always keep the airgun out of children reach



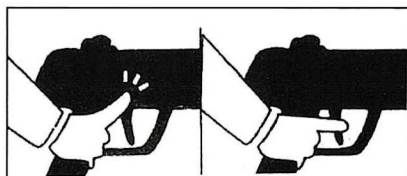
Disassembling or modifying the gun may affect the gun's performance and void manufacturer's warranty



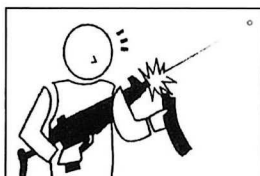
Don't look at the muzzle directly. It is extremely dangerous



Remove magazine and battery during storage. Set the fire selector to safe when unused



Never put your finger onto the trigger unless you are ready to fire



Be careful that BB bullets maybe fire out even if the magazine is removed.

**!** This sport gun is developed for enjoying sport shooting only. As the airgun has the potential risk of serious injury such as blindness and damage to the property, please read the Instruction manual before use.

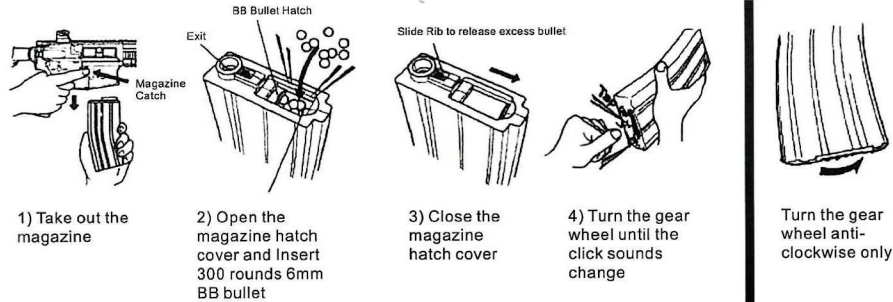
- This airgun is capable of shooting 6mm diameter BB. Operate the airgun with caution and pay attention to safety.
- During a game, always put your goggles on. Fail to wear eye protective gear in the worst case will cause blindness.
- Also pay attention to the people who not participate in the game but locate within the estimated dangerous firing zone.
- Never shoot any items that subject to break. (glass, lamp, car, gas bomb...etc )
- Never insert other items bigger than BB into the magazine or gun barrel.
- The gun must not be operated after drinking to avoid possible danger.
- Avoid storing the gun at place subject to drop or fall. Always store at place out of children reach.
- Malfunction of motor or battery will occur if the gun was immersed by water. Stop operating the gun, remove the battery and consult our service department immediately.
- You maybe punished if you are shooting for a practical joke. Positive playing manner & enjoy healthy sport shooting is essential.
- Select a safe place for operating the airgun, avoid places where people and cars pass across or third persons are around.
- Always put the gun in a case or bag when you are carrying it. Avoid giving rise to public panic.
- BB bullets maybe fire out even the magazine is removed. Direct the muzzle towards a safe area. Pull the trigger to confirm no bullets remain in the gun. Then attach the protective plug to the muzzle when unused.
- Remove the magazine and battery from the gun when unused.

## Component Names

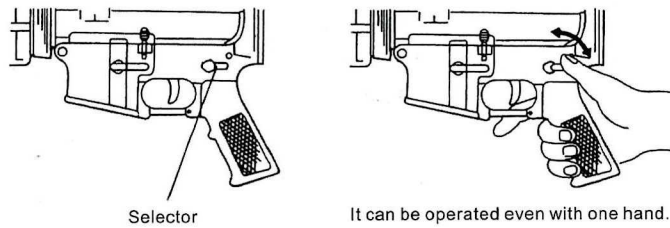


No.	Name	No.	Name
①	Front Sight (Up~Down)	⑫	Rear Swivel
②	Tactical Side Sling Adapter (Detachable)	⑬	Stock Release Lever
③	Handguards	⑭	Forward Assist Knob(Movable)
④	68 round Magazine	⑮	Windage Dial(Left~Right)
⑤	Bolt Catch	⑯	Grip (With Eg1000 High Torque Motor)
⑥	Trigger	⑰	Trigger Guard(Movable)
⑦	Selector Lever (Switch)	⑱	Magazine Catch Button
⑧	Rear Sight (Far~Near)	⑲	Compensator
⑨	Elevation Dial(Up~Down)	⑳	Fixing Ring
⑩	Charging Handle (Movable)	㉑	Port Cover (Can be open)
⑪	Enhanced Butt Stock (Movable)		

## Filling the Magazine



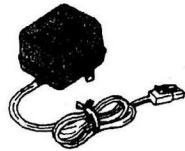
## Install Battery



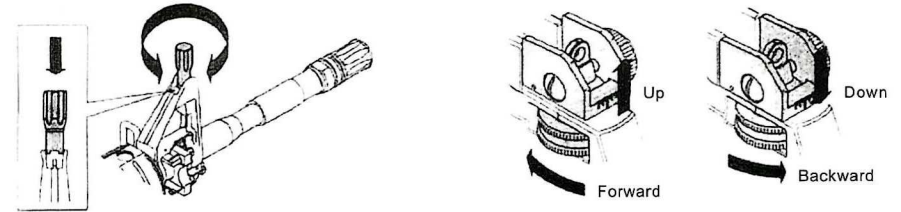
9.6V SD TYPE Mini Battery Pack



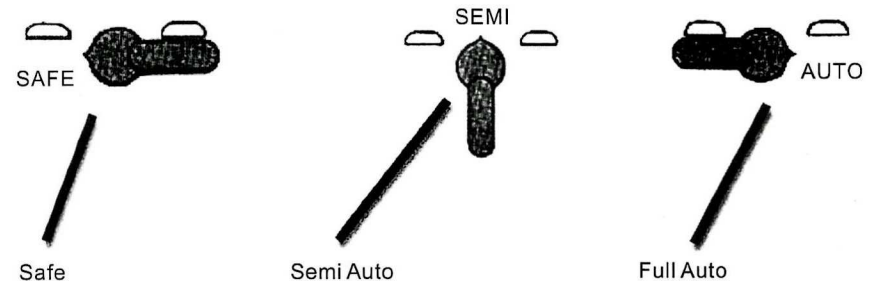
Exclusive Charger for Mini Battery



## Sight Adjustment



## Firing Operation



To Fire the pellet

- 1) Switch the selector switch to Semi or Full Auto
- 2) Pull the trigger

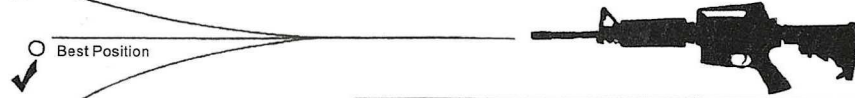
### ⚠ Caution

- Confirm your firing area is safe before firing.
- There are possibilities that no BB comes out after pulling the trigger. This may happen when new magazine is inserted. Switch to Full Auto and fire 5-10 shots will solve this problem.
- Charge the battery if the firing cycle become slow.
- Give the airgun a rest of 5-10 minutes after firing 220 rounds in order to ensure long service lives of the motor and battery.
- If bullets are clogged, stop firing and remove the clogged bullets immediately.
- Service the airgun with silicon oil as daily maintenance.
- Hop up may be unstable for first 200-300 rounds after silicon oil is used, this is normal operation of the gun.



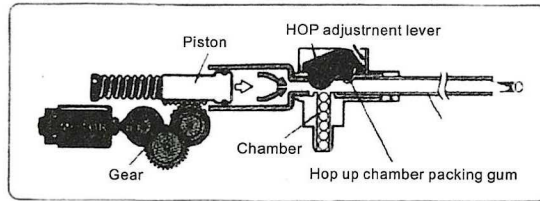
## Hop Up Adjustment (Suitable for ALL ASR Mode)

Too Much Hop Up (Retrun lever towards NORMAL)



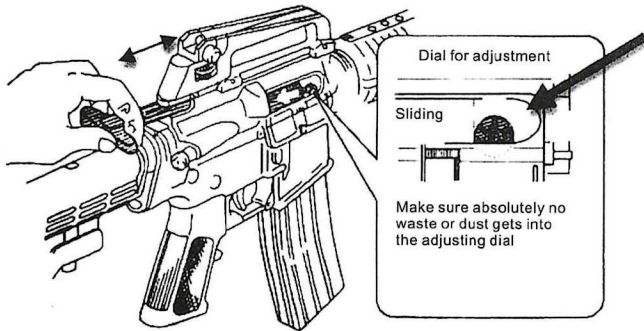
Best Position

Not Enough Hop Up  
(Move lever towards HOP)



### Variable Hop Up System

By producing backspin on the BB bullets, this system allows BB to fly straighter and longer



Dial for adjustment

Sliding

Make sure absolutely no waste or dust gets into the adjusting dial

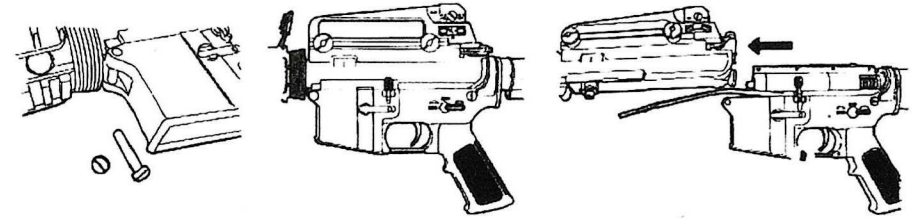
Pull the charging handle and open the ejection cover. Then you can see a hop up wheel inside as photo

Turn the wheel anti-clockwise for NORMAL or clockwise for STRONG Hop Up

### Caution

- The best position is where the bullets fly horizontally and the longest flying distance is obtained.
- Turning excessively adversely affects the trajectory. Therefore stop turning the dial when bullets fly horizontally.
- Moving the lever too much towards HOP will cause bullets clogged. Firing the gun with clogged bullets will damage the piston and gear.
- If the hop up is adjusted excessively and cause clogging of bullets, stop operating the gun immediately. Return the lever to NORMAL and remove the clogged bullet.
- We will not be held responsible for any damages or accidents causing by wrongful operation, disassemble and modification of the airgun.

## Disassembling the gun

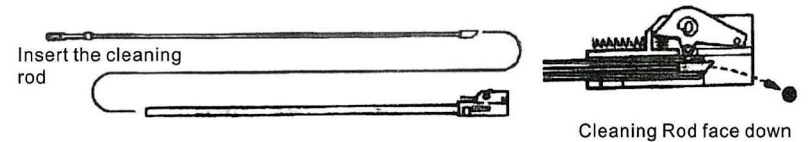


Remove the frame lock pin by using a screw driver

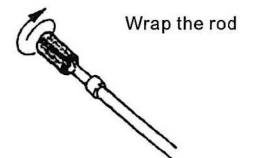
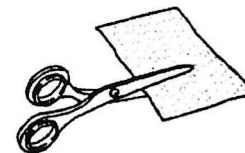
Move the upper receiver forward

Separate the upper and lower receiver (beware of the wire)

## Maintenance (Remove Clogged Bullets & Barrel Cleaning)



1. Make sure to insert the cleaning rod AFTER returning the hop up lever to NORMAL position. (HOP OFF)
2. Insert the cleaning rod from the head edge of the barrel
3. Be careful so that the angled part of the cleaning rod face down and remove clogged bullets



Maintenance is needed when bullet speed becomes slow. Wrap a cotton cloth on the rod. Hold the leading end of the rod and insert rod into the barrel while turning the rod to clean the barrel inside