



ACCURACY PNEUMATICS SHOOTING

APS AIRGUN LTD - GUN SPECIALIST SINCE 1993

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MANUFACTURER BY QIAN WEI PAINTBALL SUPPORT CO. LTD

MADE IN CHINA



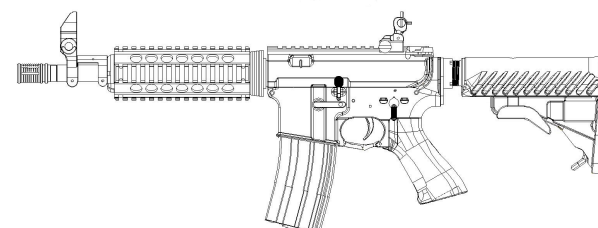
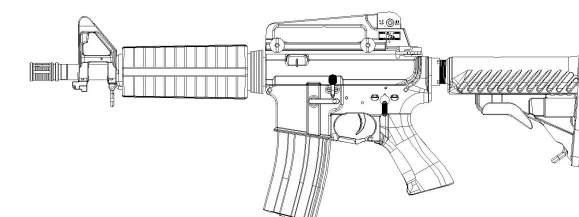
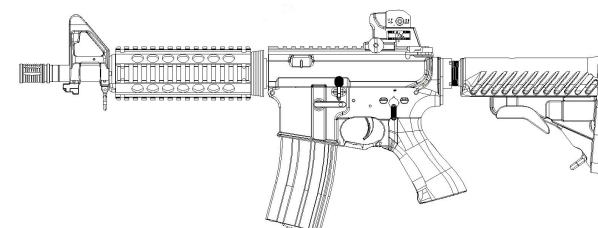
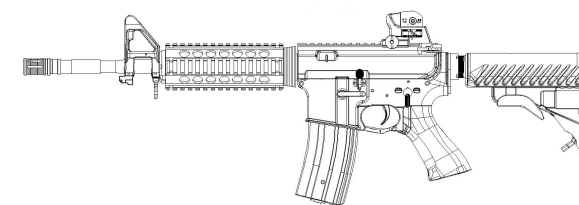
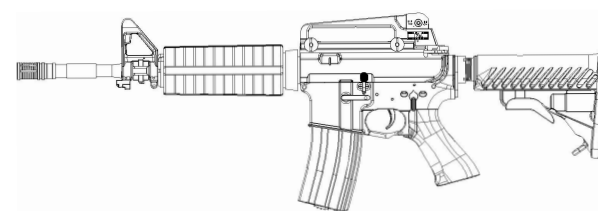
Please contact your dealer or APS for overhaul
maintenance and technical guidance

HANDLING & INSTRUCTION MANUAL

(For All ASR Model Use)

ASR SERIES

ELECTRIC BLOW BACK GUN

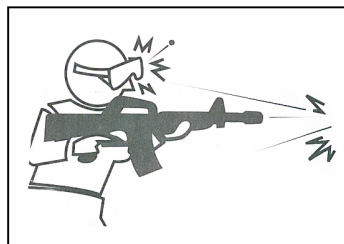


WARNING

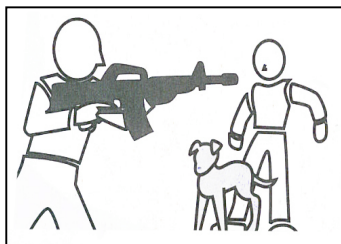
This Airgun is not intended for
unsupervised use by any persons under
the age of 18 years. Always read the
instructions carefully before operation

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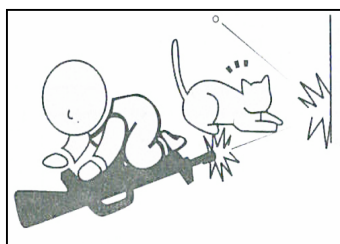
Hop Up System



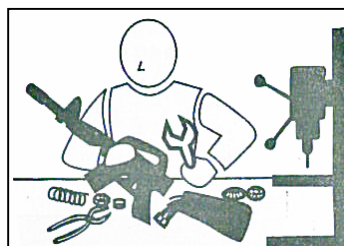
Always wear goggles or eye protective gear to protect your eyes when shooting



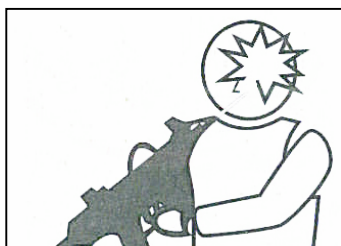
Never point the muzzle at people or animals



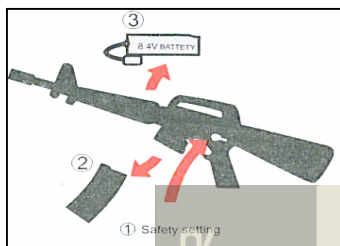
Always keep the airgun out of children reach



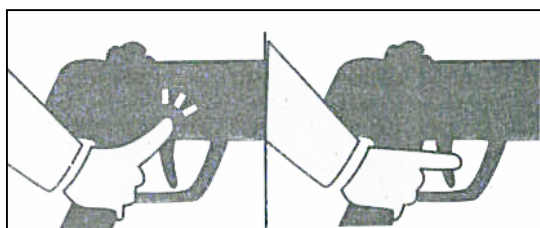
Disassembling or modifying the gun may affect the gun's performance and void manufacturer's warranty



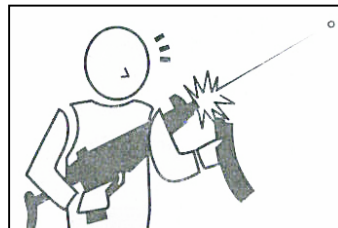
Don't look at the muzzle directly. It is extremely dangerous



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

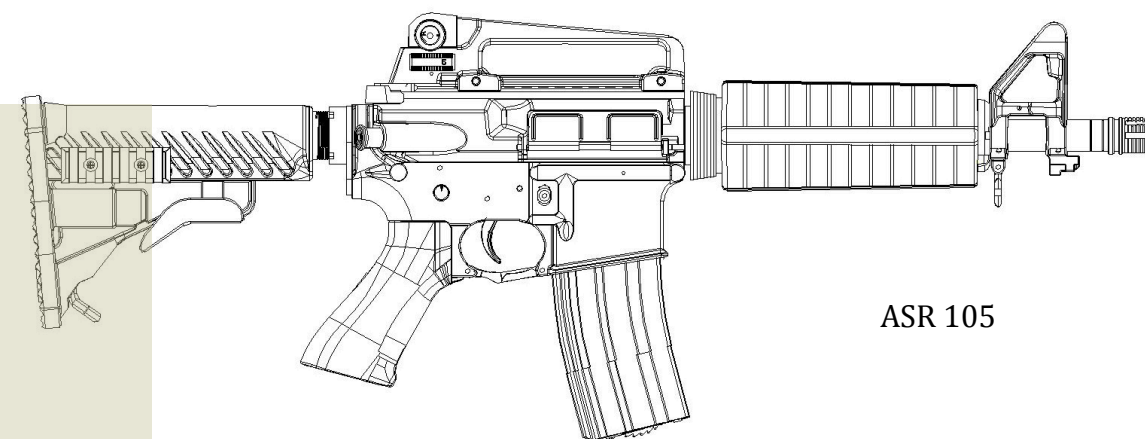
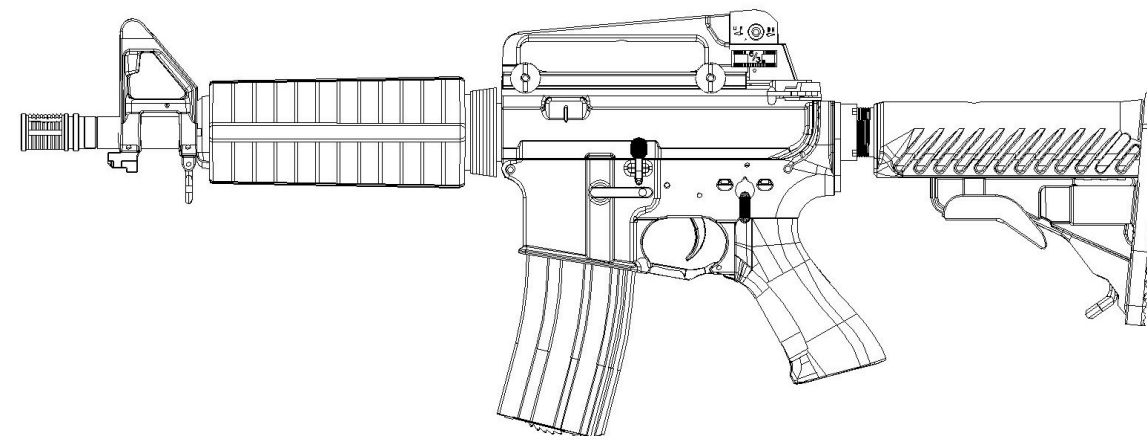


Never put your finger onto the trigger unless you are ready to fire



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

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ASR 105

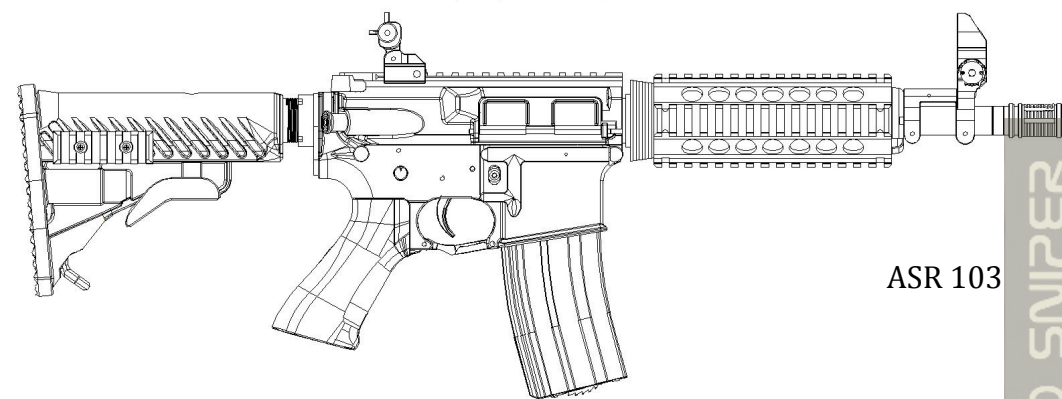
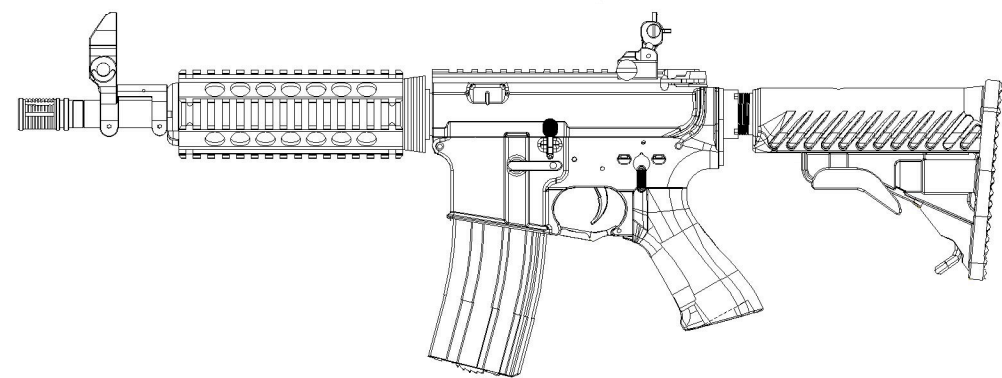


This sport gun is developed for enjoying sport shooting only. As the airgun has the potential risk of serious injury such as blindness and damage to the property, please read the Handling & Instruction manual before use.

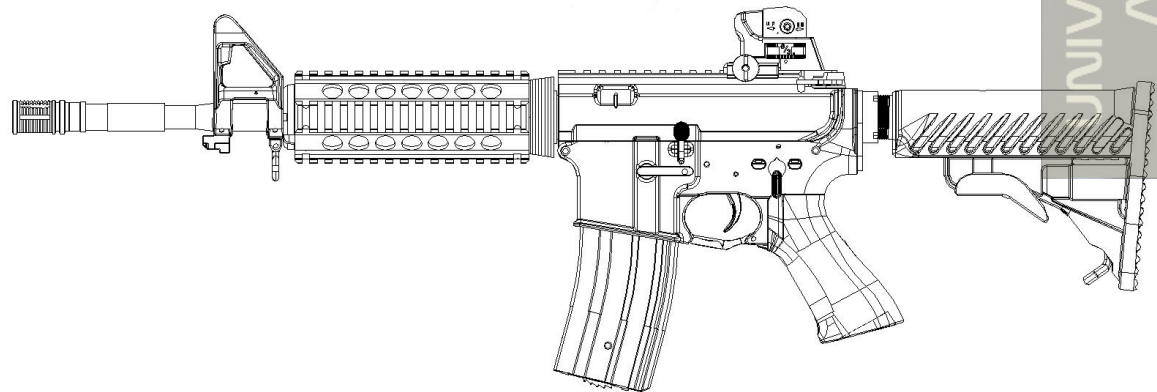
- This airgun is capable of shooting 6mm diameter BB, Operate the airgun with caution and pay attention to safety.
- During a game, always put your goggles on. Fail to wear eye protective gear in the worst case will cause blindness.
- Also pay attention to the people who is not participate in the game but located within the estimated dangerous firing zone.
- Never shoot any items that subject to break. (glass, lamp, car, gas bomb...etc)
- Never insert other items rather 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.

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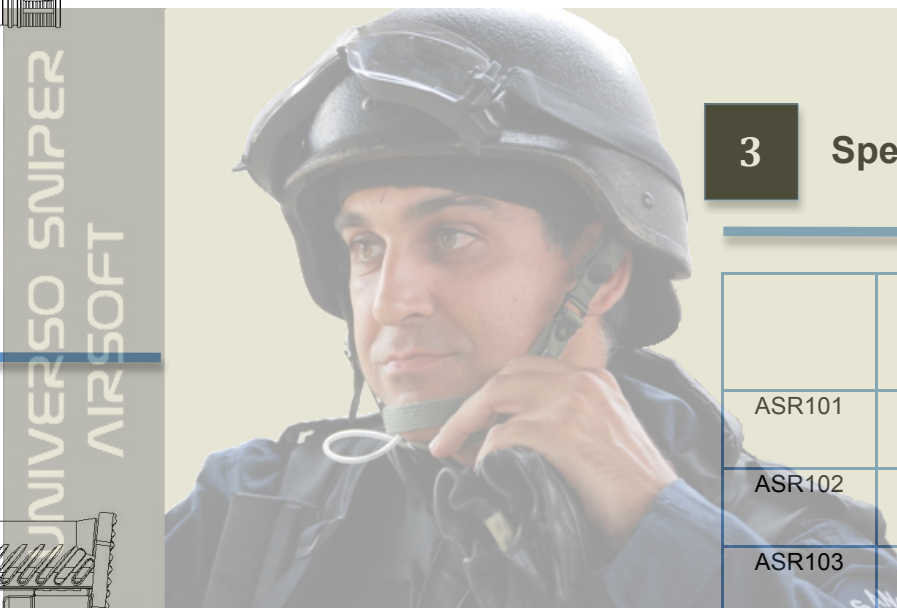
ASR Model



ASR 103



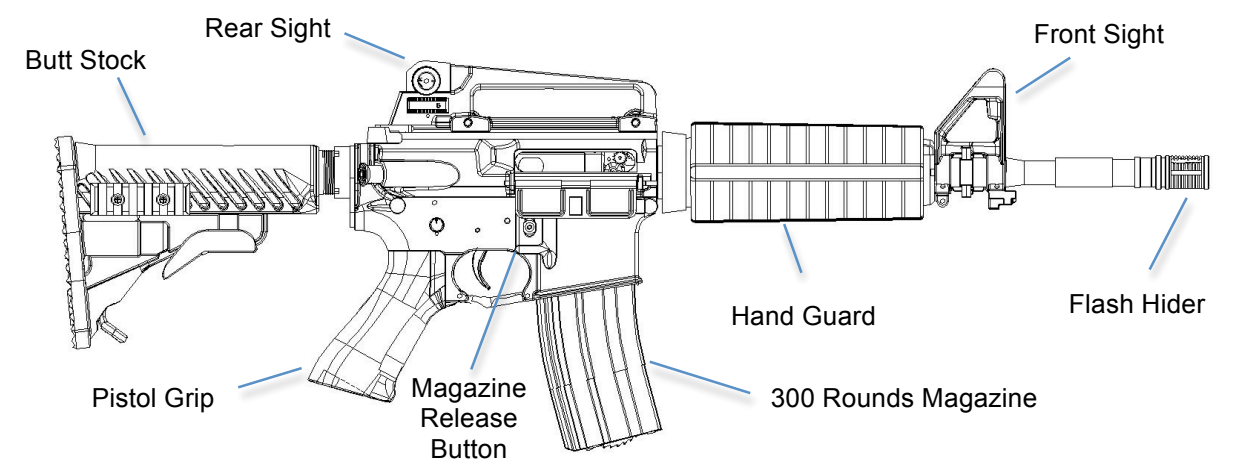
ASR 104



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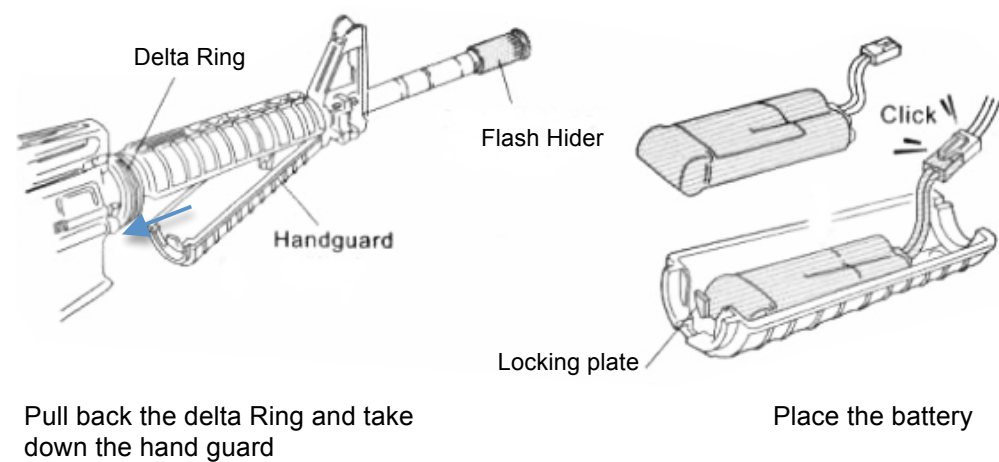
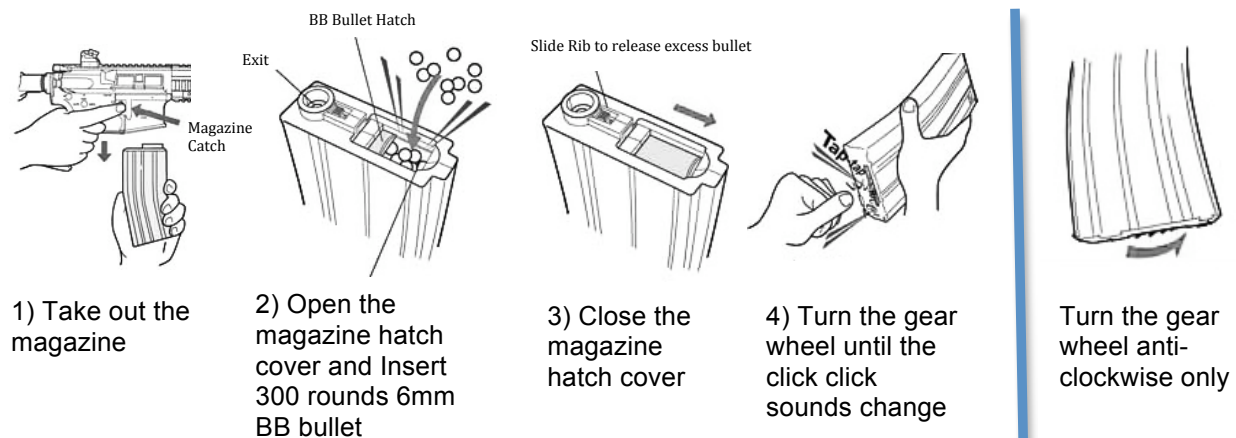
Layout Structure



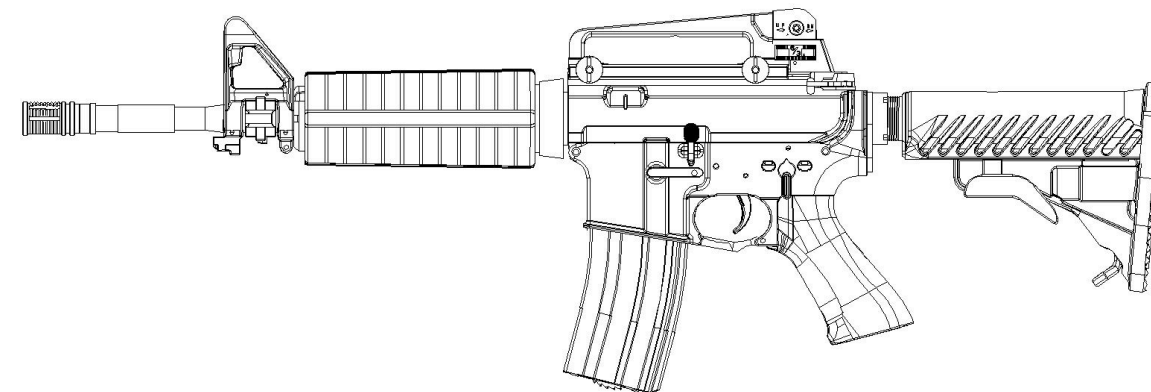
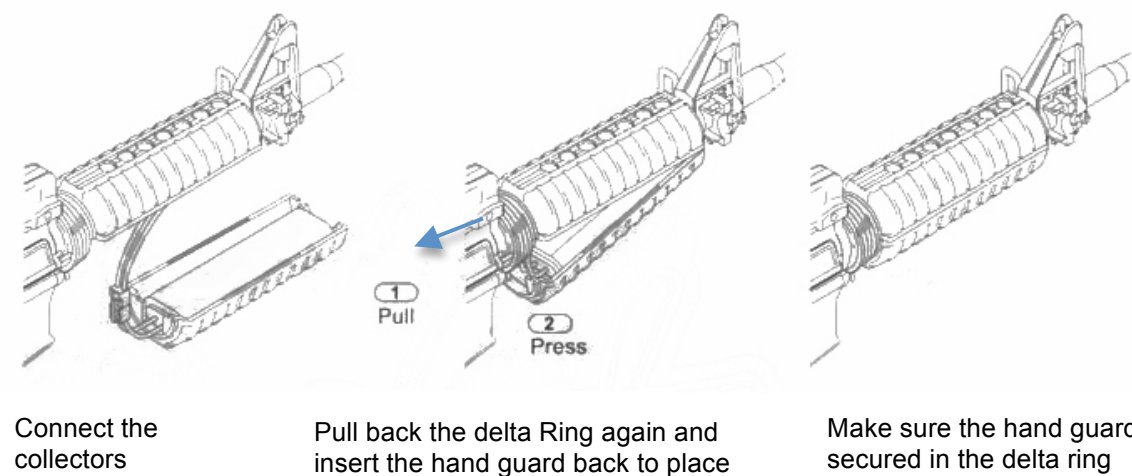
3

Specification

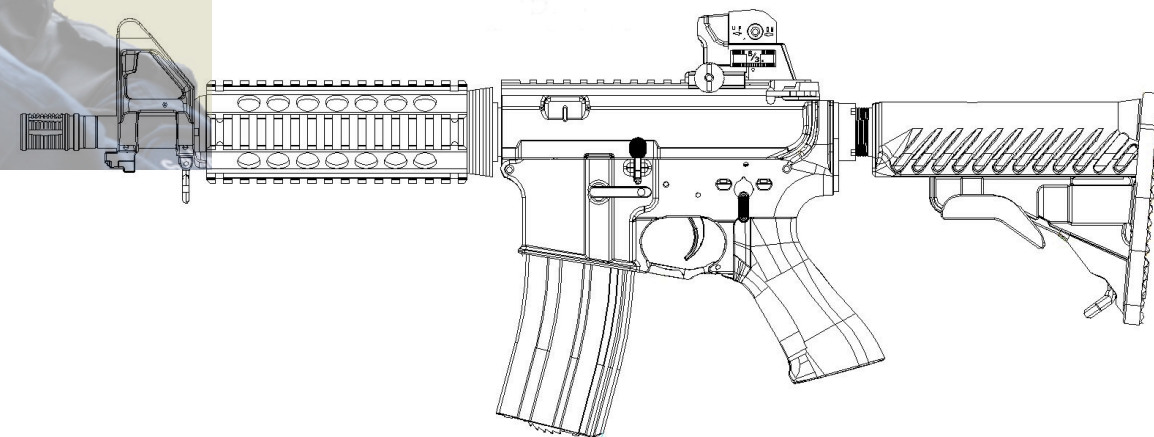
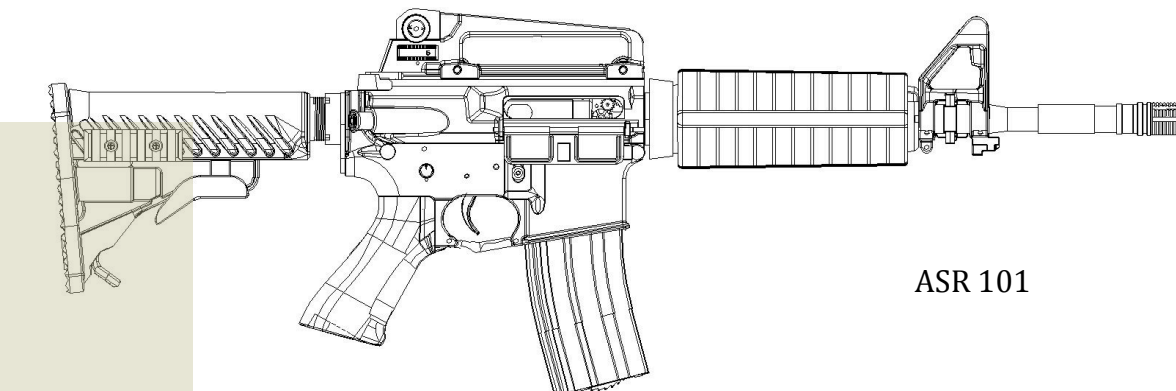
	Weight	Barrel Length	Barrel Caliber	Pellet Capacity	Pellet	Initial Pellet Speed
ASR101	2.99kg	370mm	6.08mm	300	6mm BB	105 ~ 130m/s
ASR102	2.8kg	300mm	6.08mm	300	6mm BB	
ASR103	2.83kg	300mm	6.08mm	300	6mm BB	
ASR104	3.1kg	370mm	6.08mm	300	6mm BB	
ASR105	2.88kg	300mm	6.08mm	300	6mm BB	
ASR106	2.5kg	270mm	6.08mm	300	6mm BB	



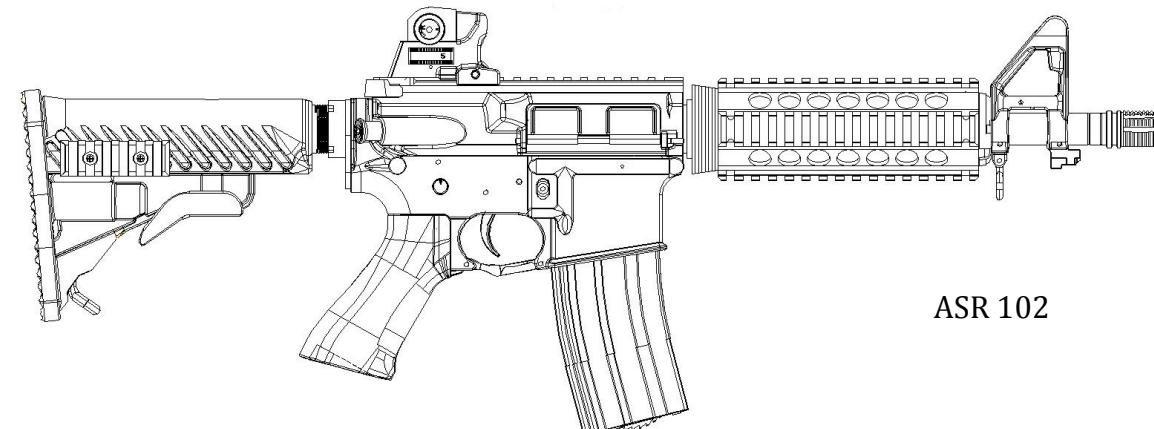
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ASR 101



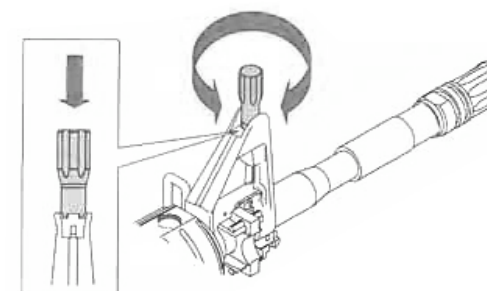
ASR 102



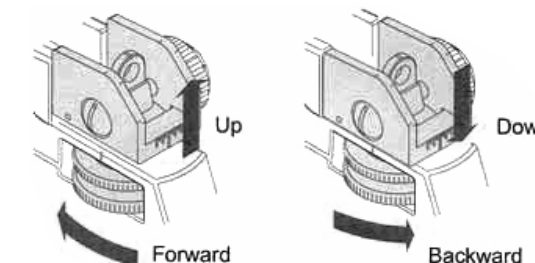
11 Troubleshooting Guide

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 dear	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	

6 Sight Adjustment



Use Calibrating tools to adjust the sight. Turning anti-clockwise to lowers the bullet hitting point or clockwise to higher the bullet hitting points

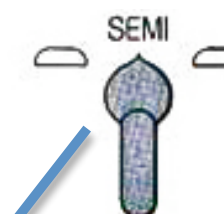


Adjust the rear sight by turning the dial up wheel forward will make the sight go up. Turning the dial up wheel backward will make the sight go down

7 Firing Operation



Safe



Semi Auto



Full Auto

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.

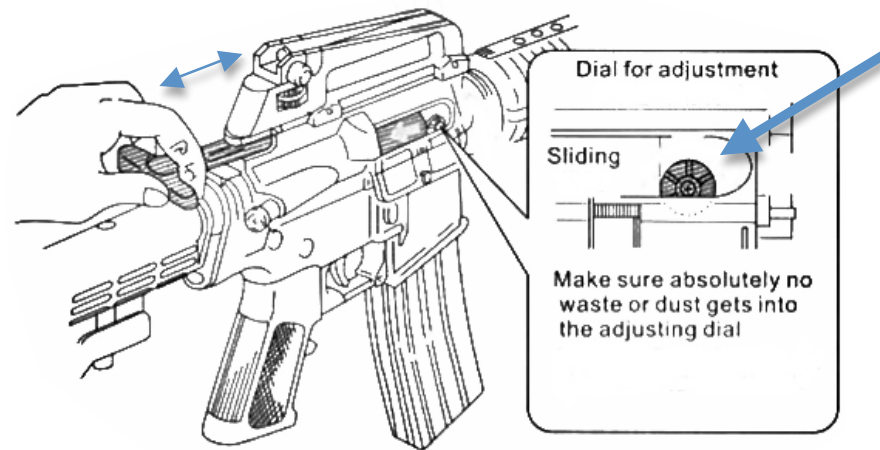
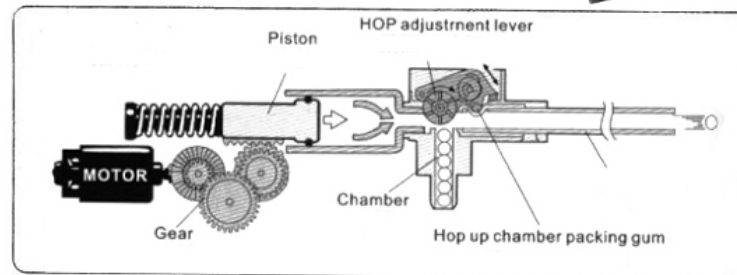
X Too Much Hop Up (Return lever towards NORMAL)

✓ Best Position

X Not Enough Hop Up
(Move lever towards HOP)

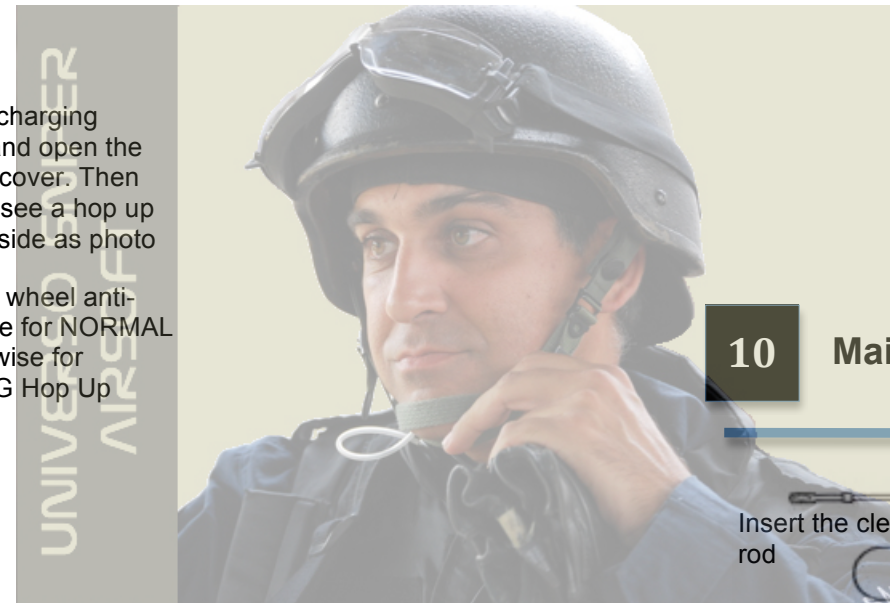
Variable Hop Up System

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



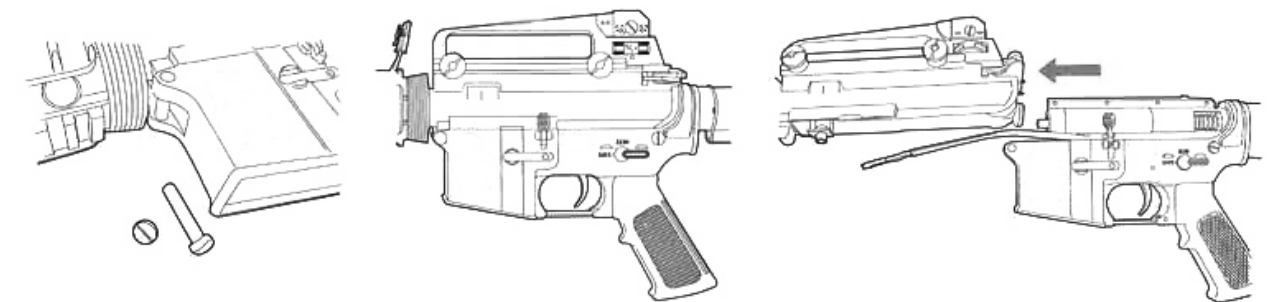
Pull the charging handle and open the ejection cover. Then you can see a hop up wheel inside as photo

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



Caution

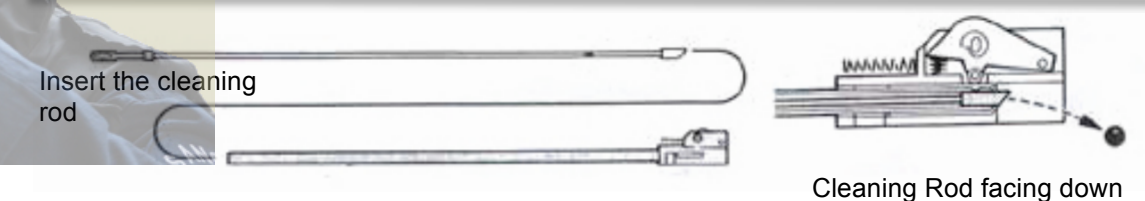
- The best position is where the bullets fly horizontally and the longest flying distance is obtained.
- Turning excessively adversely affects the trajectory. Therefore stop turning the dial when bullets fly horizontally.
- Moving the lever too much towards HOP will cause bullets to clog. Firing the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



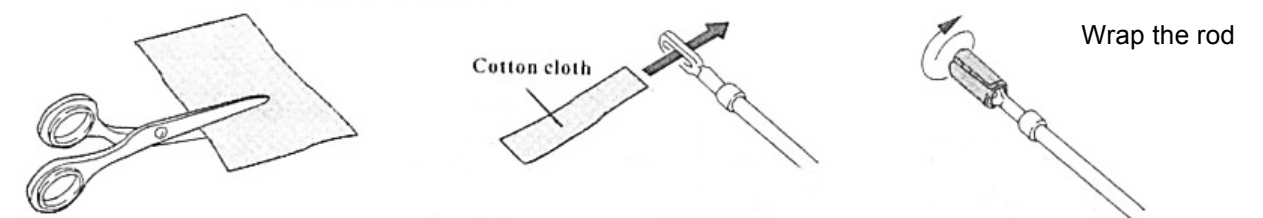
Remove the frame lock pin using a screw driver

Move the upper receiver forward

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



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 lead edge of the barrel
3. Be careful so that the angled part of the cleaning rod facing 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