

# OPERATOR'S MANUAL



## **M82A1 / CQB / M107A1**

Black-28245 / Tan-52678  
Black-30917 / Tan-40278  
Black-11022 / Tan-11023  
Black-11024 / Tan-11025

## **M99**

Black-31338 / Tan-33289

## **M98B-Full Size**

Black-72004 / Tan-94933

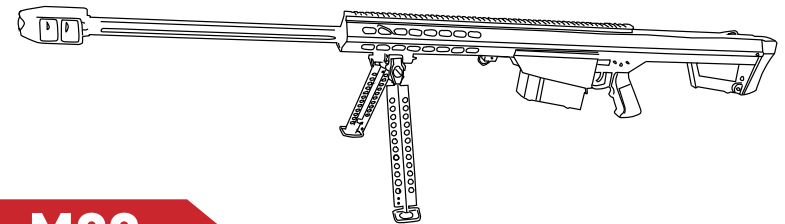
## **M98B/Mrad with folding stock**

Black-87951 / Tan-87952

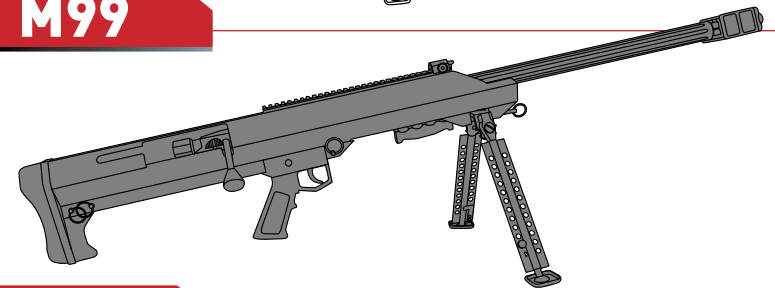
FOR AGES 18 YEARS AND UP

# HANDLING CAUTIONS INSTRUCTION MANUAL OF AIRSOFT GUN

## **M82A1/M107A1**



## **M99**



## **M98B**

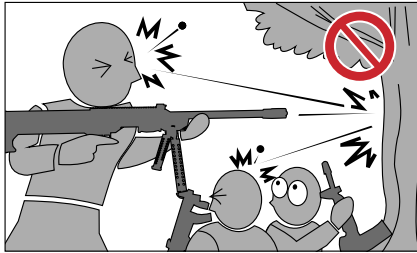


## **M98B/Mrad**

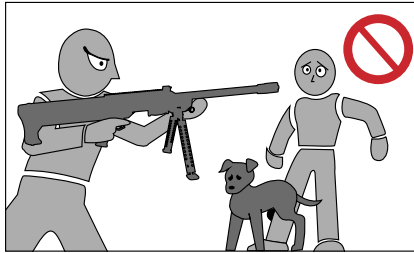


Must be 18 years or older to purchase. Children under 18 should operate under the supervisor of an adult.  
Observe warnings and caution written in your operating manual. OBEY all laws and regulation on proper Airsoft gun handling in your area.

# REGULATION



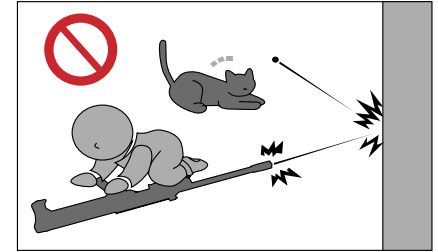
When shooting an Airsoft gun at a target or during a game, you and all participants must wear goggles or other eye protective gear. Warning: BBs may ricochet. Be aware of bystanders as well.



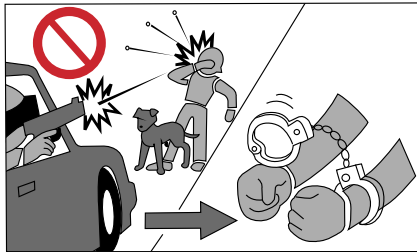
Keep the gun pointed in the safest possible direction. Do not aim or shoot at any animals or people (without their consent).



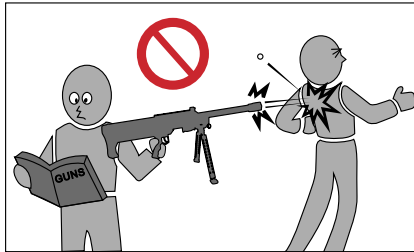
All Airsoft guns must be kept in a bag or a case during transportation.



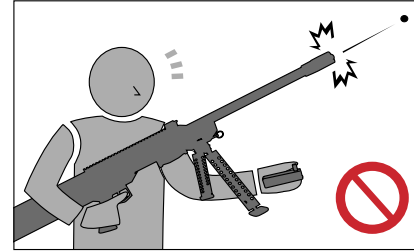
Store the Airsoft gun in places out of reach of children.



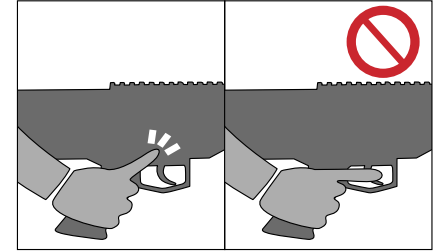
Brandishing or using an Airsoft gun in public areas is punishable by law.



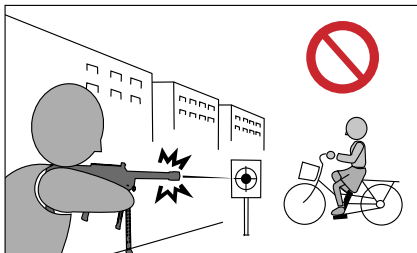
Do not pull the trigger without first aiming at your intended target.



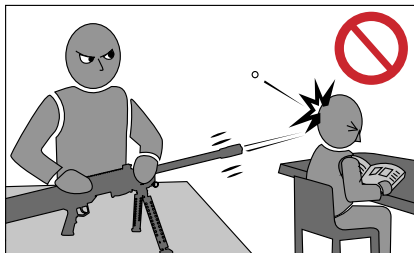
BB may be shot out even if the magazine is removed.



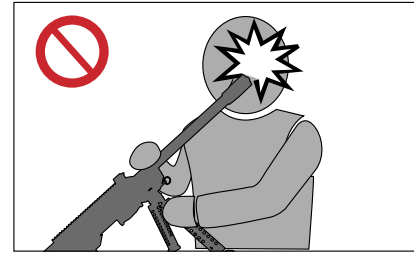
Always keep your finger off the trigger and outside the trigger guard until you are ready to shoot.



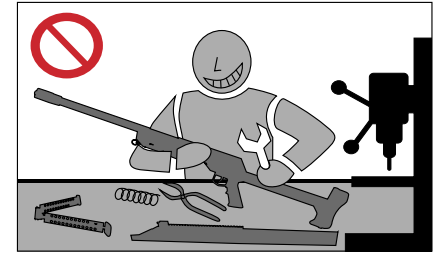
Know your target, its surroundings, and beyond. Check to make sure that the areas in front of and behind your target are safe before shooting. Be aware that if the BB misses or completely passes through the target, it could strike a person or object.



Keep the gun pointed in the safest possible direction.



Never look into the gun muzzle.



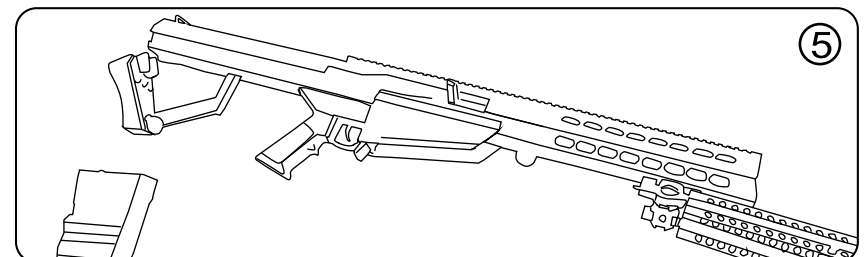
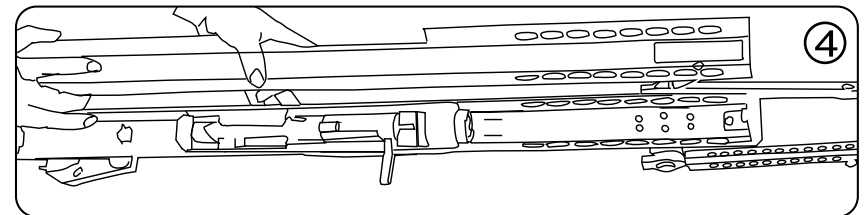
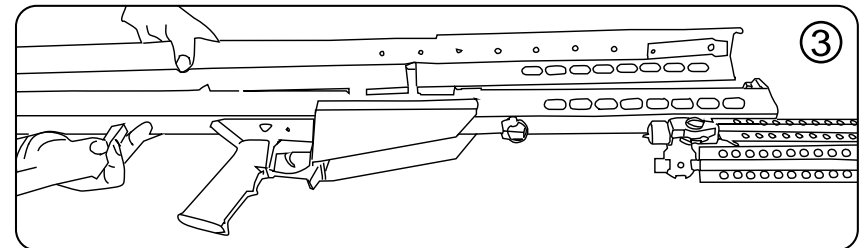
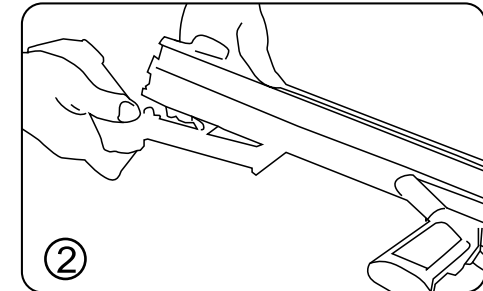
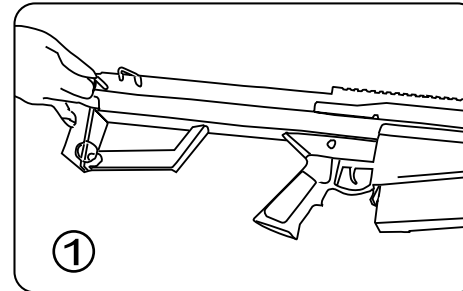
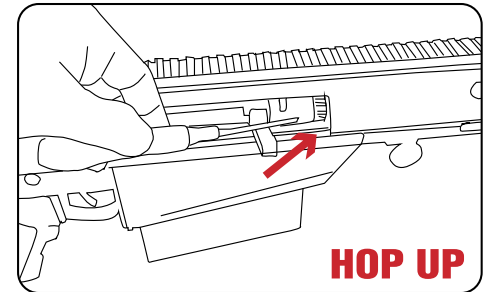
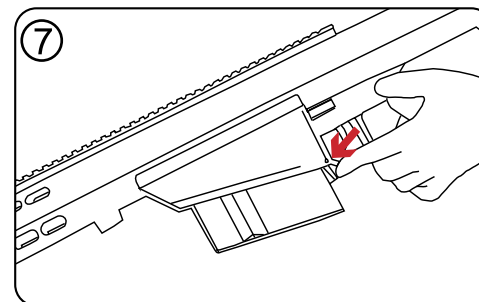
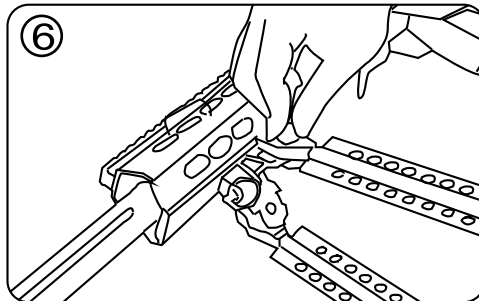
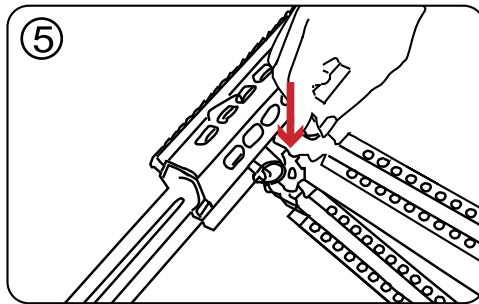
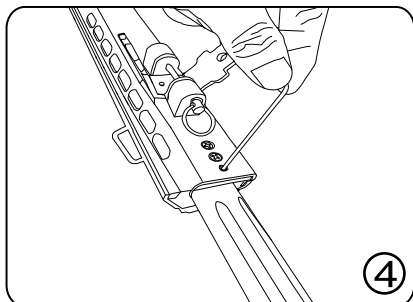
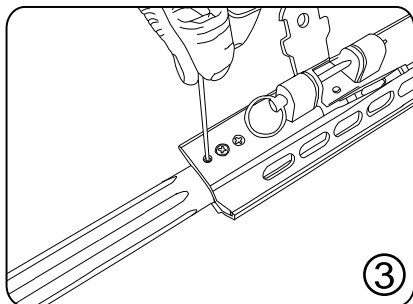
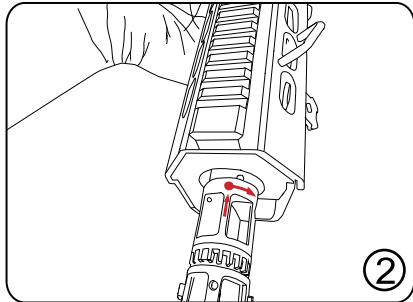
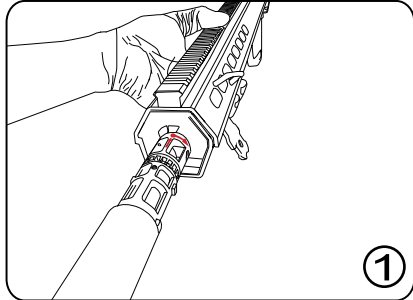
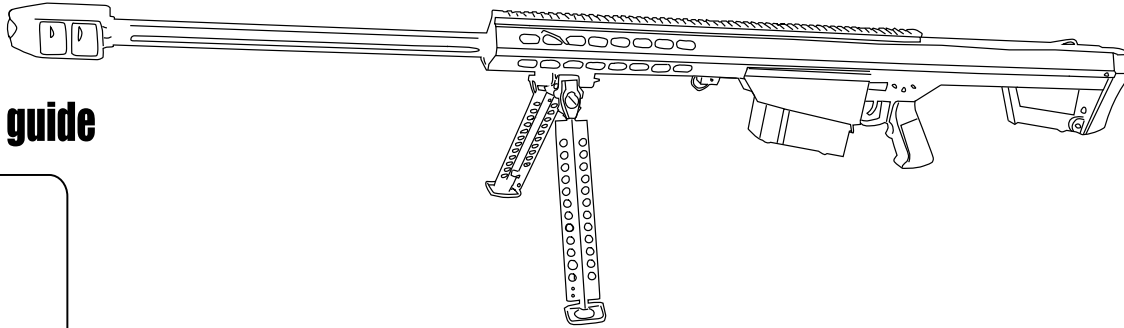
Never disassemble or modify the Airsoft gun.



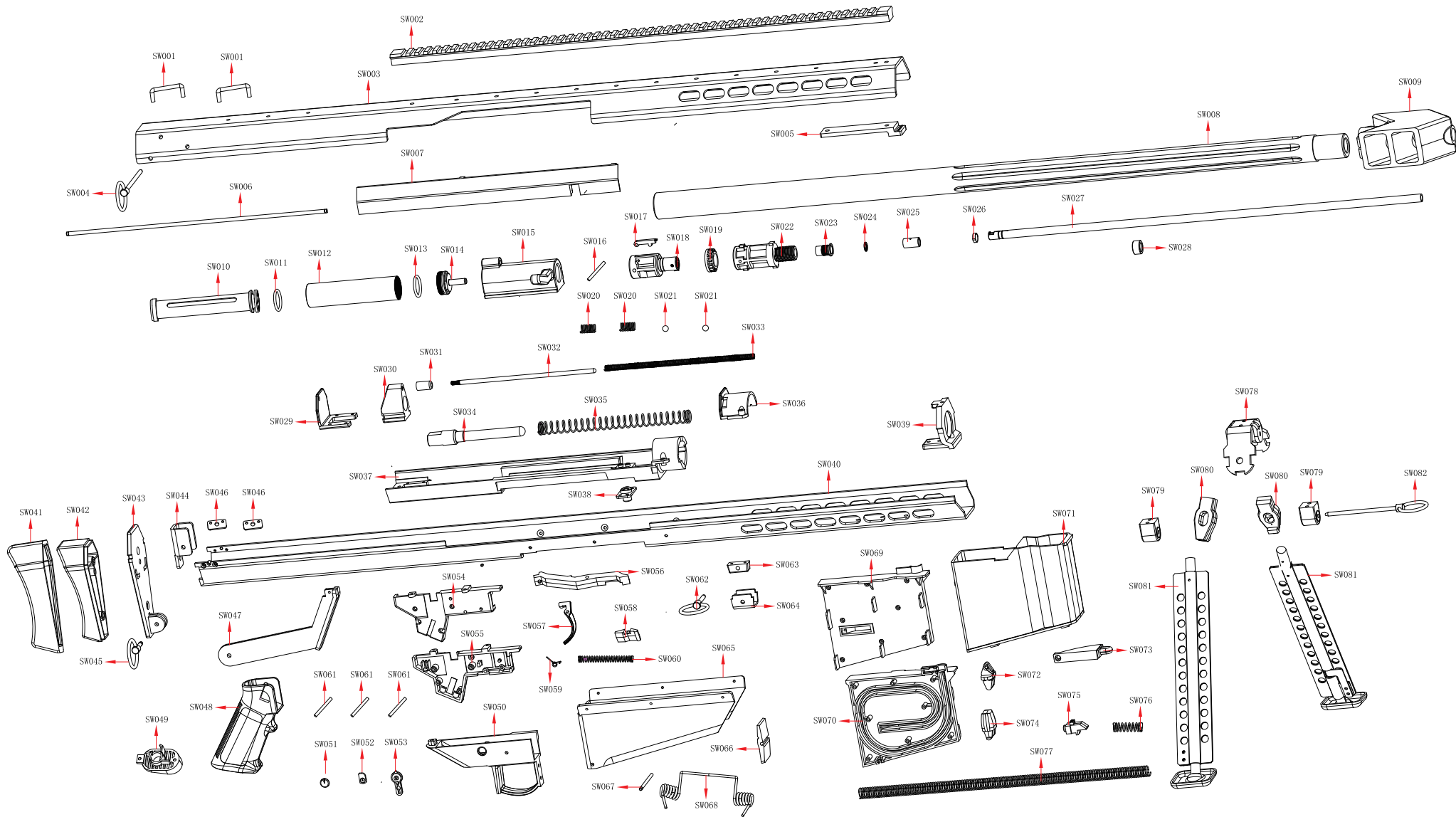
Observe warnings and cautions written in your operating manual. OBEY all laws and regulations on proper Airsoft gun handling in your area.

# M82A1

## Product disassembly guide



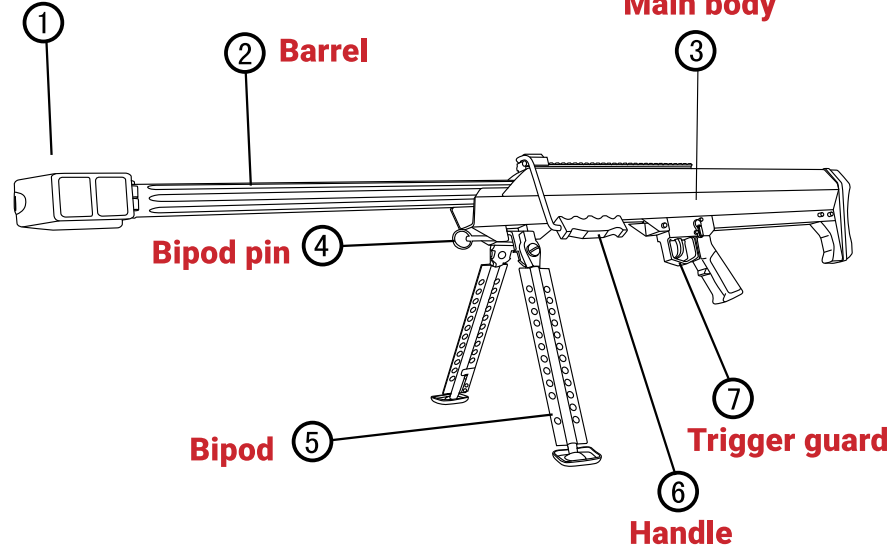
# M82A1 EXPLODED DIAGRAM



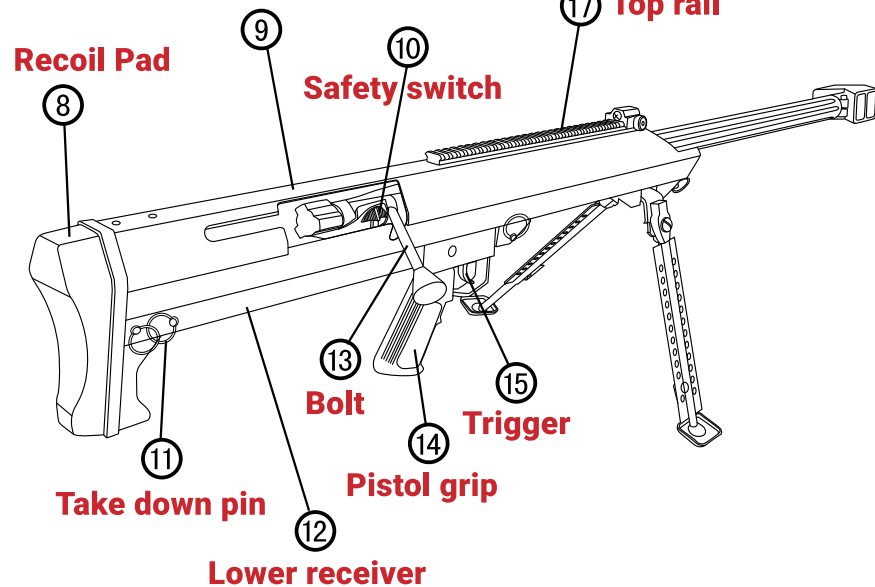
# M99

## NAME OF EACH PART

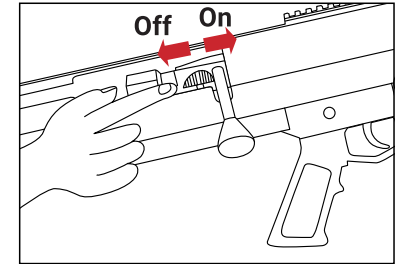
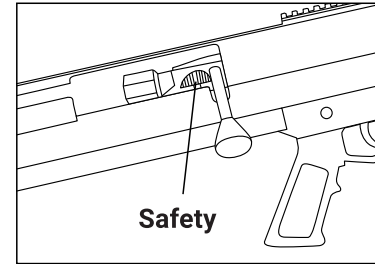
**Muzzle brake**



**Upper receiver**

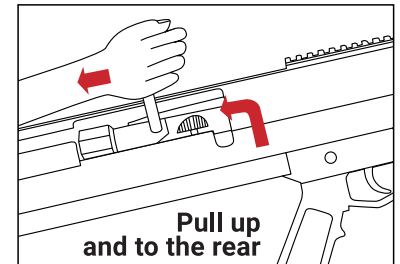
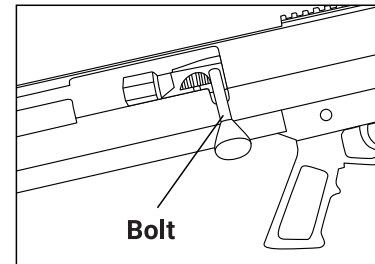


## SAFETY



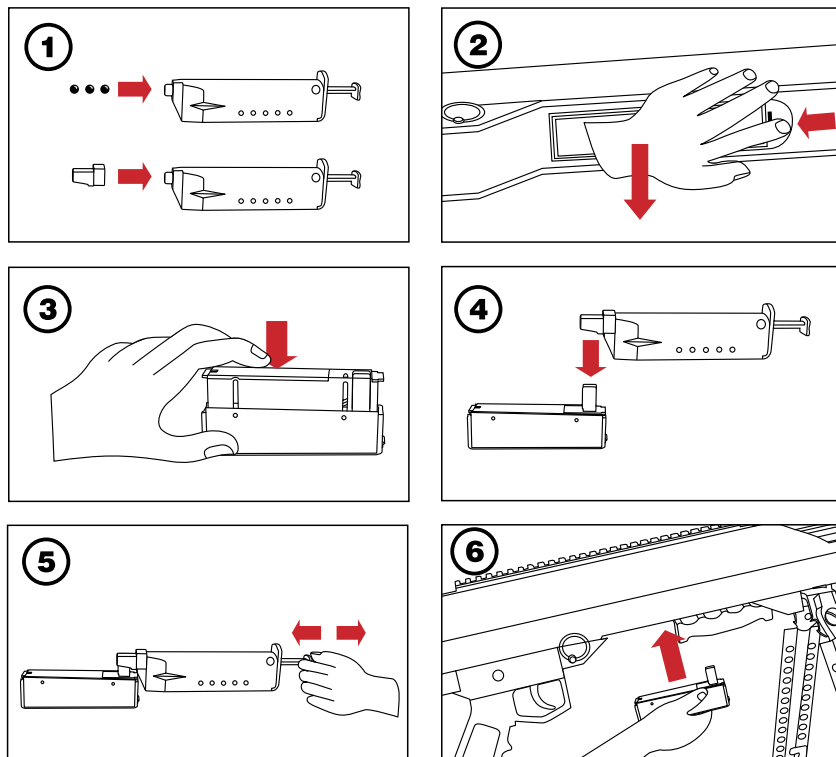
The gun won't fire when turning on the safety.  
Please turn off the safety before firing.  
Please turn on the safety when you don't need to fire or you need to store it.

## LOADING



Pull bolt up then back until you hear a click, after the click push bolt forward to starting position. You are now ready to fire.

## LOADING BBs



1. Load speed loader with BBs, then install magazine adapter.
2. Remove magazine from gun by pressing the magazine release.
3. Press down the magazine of the gun by hand.
4. Connect magazine with speed loader.
5. Press down on the plunger of the speed loader to make sure the BBs are loaded into the magazine.
6. Install the magazine upward into the magazine well of the gun.

## VARIABLE HOPUP SYSTEM

By producing a back-spin on the BB, this system allows for straighter and longer distance shooting than a normal Airsoft gun. Unlike the fixed type, the variable hop up system permits one-touch adjustments using the dial and lever, making it an ideal hopup system.

### CAUTION

Moving the lever too much towards Hop causes BBs to jam. Continuous pulling of the trigger with BBs being jammed damages the piston and gears. If BB jamming occurs, immediately stop firing the gun, return the hop adjustment lever to the Normal position and remove jammed BBs using the cleaning rod.

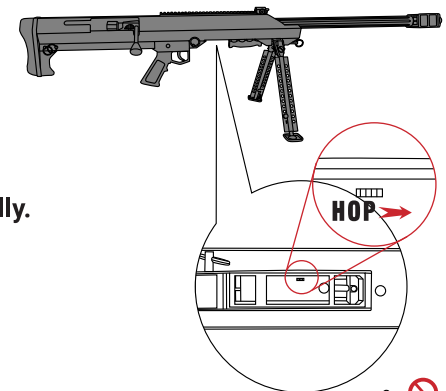
Never use dirty or used BBs. (Otherwise, the chamber becomes dirty, resulting in unstable backspin)

#### Adjustment procedure

Keep pulling the charging handle back while adjusting the dial.

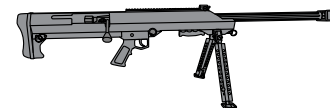
Turning excessively adversely affects the trajectory. So, stop turning the hop adjustment dial when BBs fly horizontally.

The hop up dial can only be turned a certain amount. Turning it too much will damage it.



Too much hopup(Return the dial towards NORMAL)

Best position



Not enough hopup(Move the dial towards HOP)

The best position is where the BB flies horizontally, and the longest flying distance is obtained.

Operational Cautions (Strictly observe the following cautions.)

Make sure to return the hop adjustment dial to the Normal position when removing jammed BBs or cleaning (Otherwise, the hopup chamber can be damaged.)

When about 10,000 rounds are fired, spray silicone oil into the chamber for 0.5 to 1 sec. (Hopup operation may be unstable for 200 to 300 rounds after spraying the silicone oil, which is not a problem.) We shall not be responsible for any damage or accidents arising from wrong operation, disassembly and/or modification of the Airsoft gun.

Any costs for repair of such damage shall be paid by the user.



## Trouble Shooting the Hopup

symptom	Cause	Action
BBs flying upwards	Too much hop setting	Gradually return adjustment dial towards Normal
Short flying distance of BBs (Less hopup effect)	Too little hop setting	Gradually return adjustment dial towards Normal
	Hopup chamber contaminated by oil or dirt	Fire BBs equivalent to 4 to 5 magazines or clean the chamber using cleaning rod
	Worn or damaged hopup bucking	Purchase the replacement part at your dealer and replace it
Cannot adjust	Damaged adjustment dial or other parts	Purchase the replacement part at your dealer and replace it
Frequent BBs jamming	Too much hop setting	Gradually return adjustment dial towards Normal
	Improper sized BBs	Use .20g+ BBs
	Dirty hopup bucking	Clean using the cleaning rod or consult your dealer for repair



### WARNING CAUTION

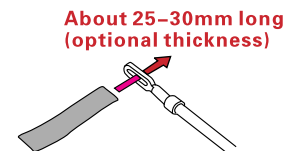
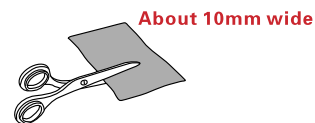
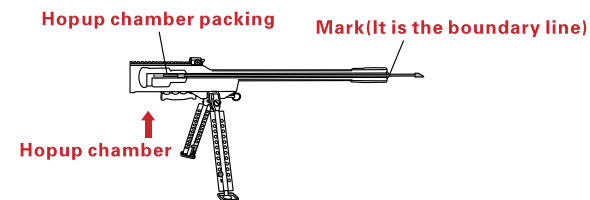
If the hopup is adjusted excessively causing BBs to get jammed, immediately stop operating the gun, return the dial to Normal, fire 2 or 3 shots and readjust.

## CLEANING AND CLEARING OF THE BARREL

### 1. Maintenance when BBs FPS becomes low

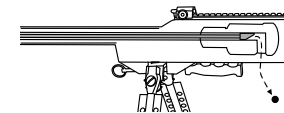
Drop a few drops of silicone oil or teflon oil into the hopup chamber. Insert BBs into the magazine and fire BBs equivalent to 1 or 2 magazines. To complete the cleaning, use the cleaning rod (with cotton) as shown below, to remove excess oil.

Cut the cotton cloth as illustrated, and then pass it through the hole of the cleaning rod and wind it properly. (The thickness and length of the cotton cloth should be suitable to be inserted into the barrel for cleaning.)



### 2. Removing jammed BBs

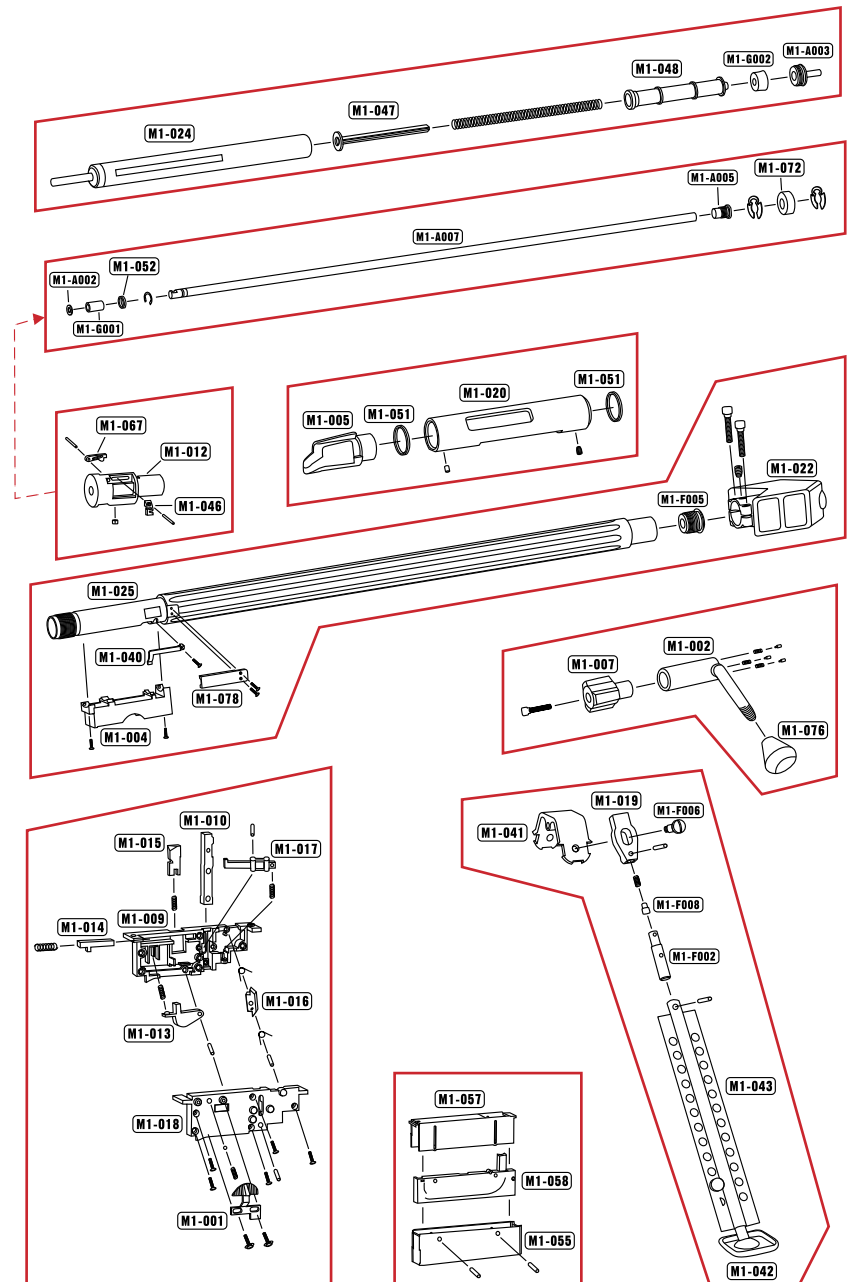
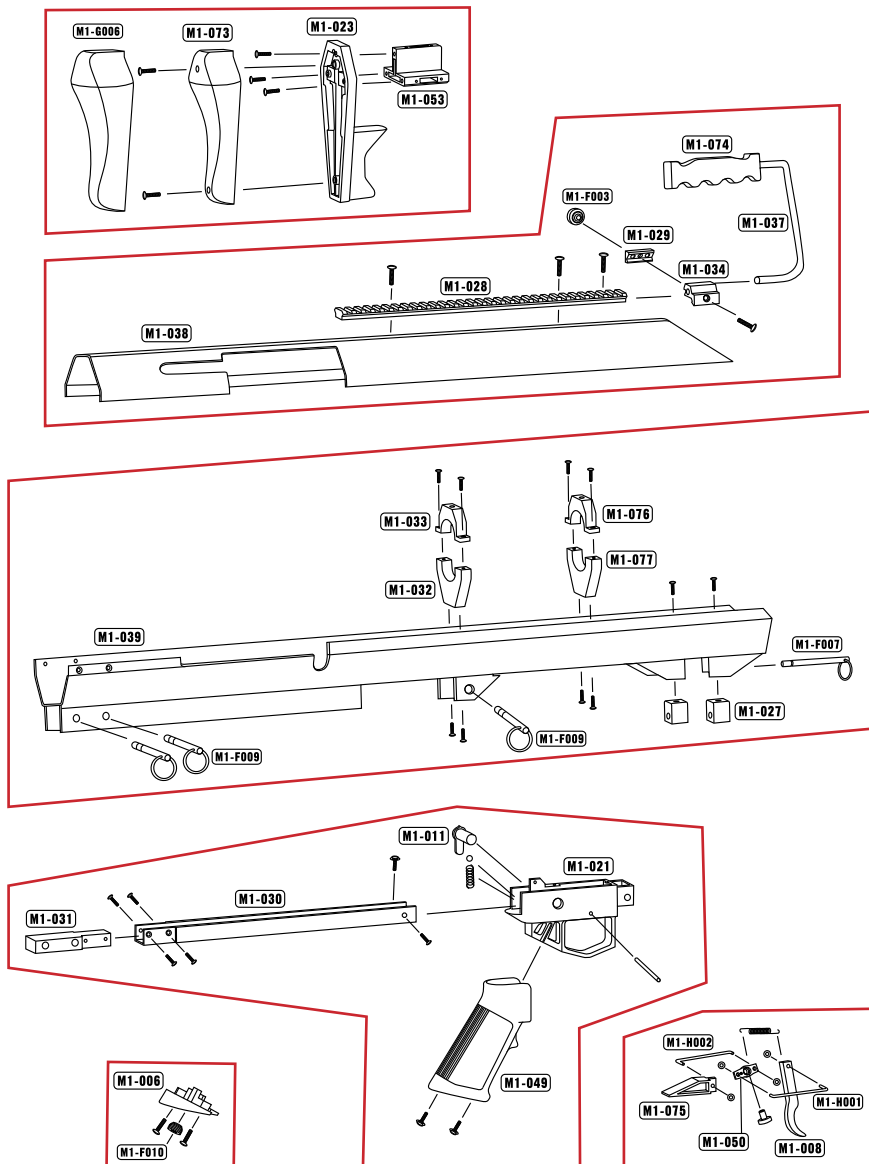
(Set the safety button ON and detach the barrel.) Remove the magazine and then the barrel assembly. Return the hopup dial to the Normal position and insert the cleaning rod from the front end of the barrel.)



WARNING

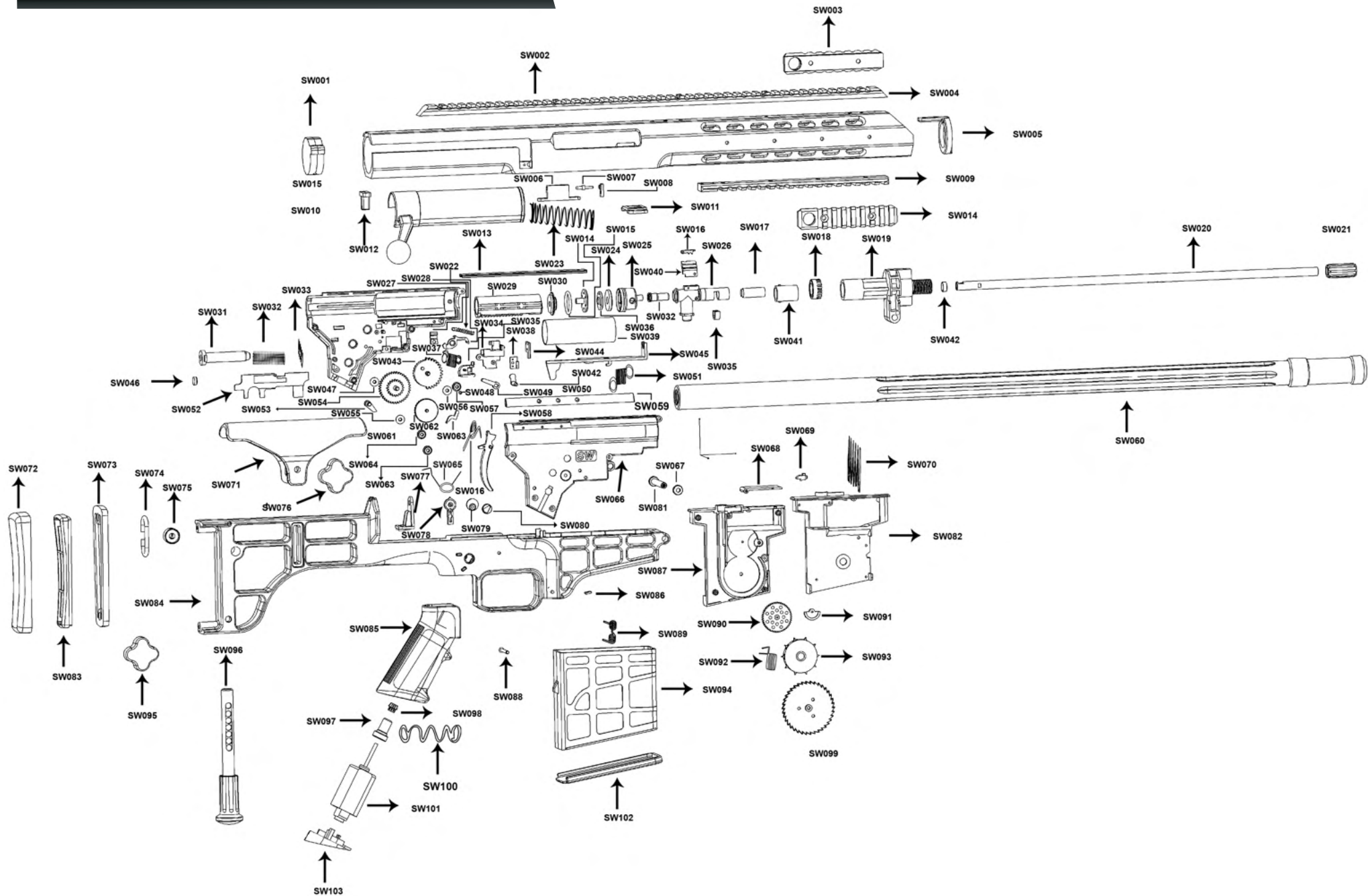
Never use 6mm BBs less than 0.20g. Use of poor quality 6mm BBs will cause problems. Never disassemble or modify the gun.

# DETAILED BREAKDOWN

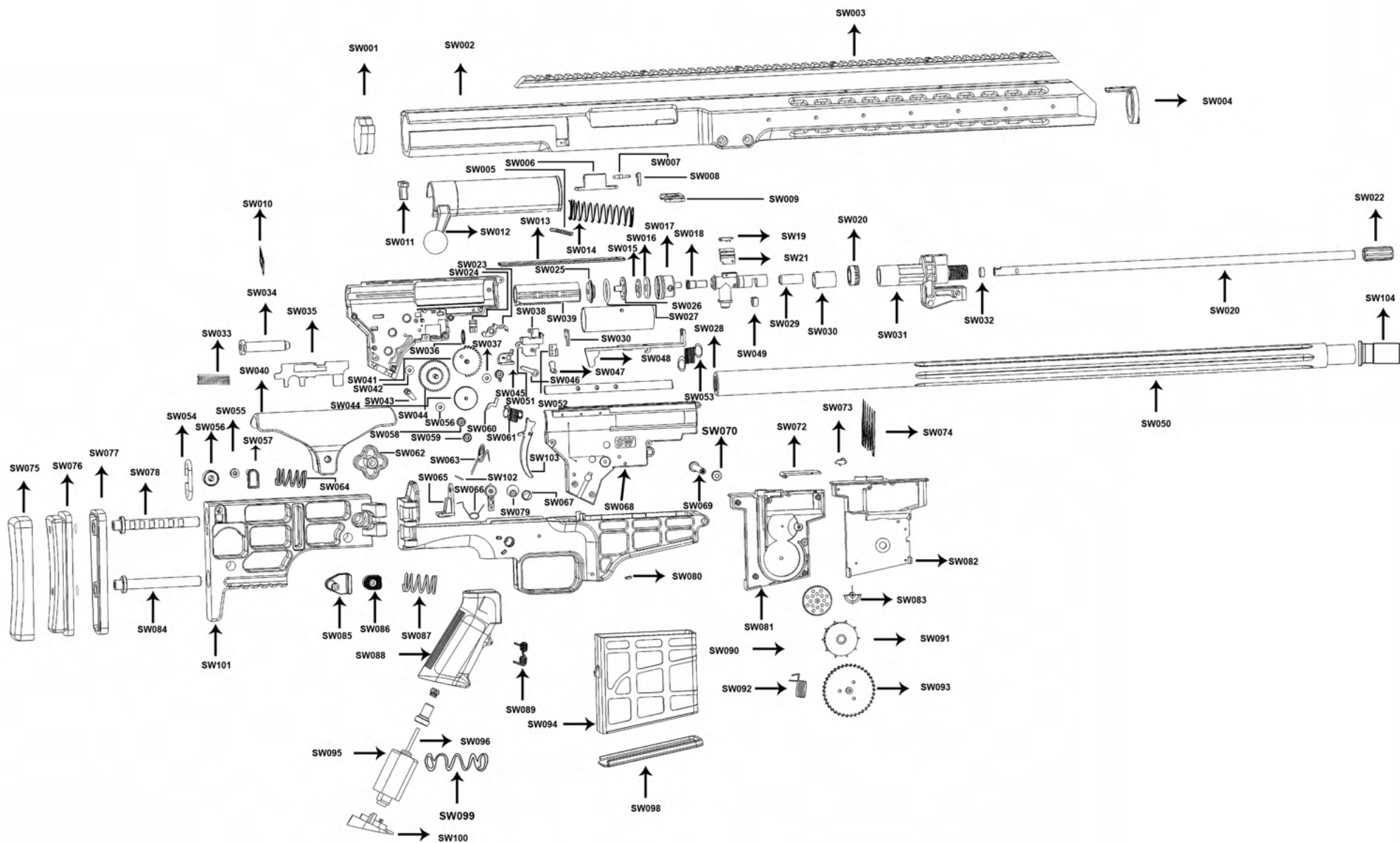




# M98B Exploded View



# M98B/Mrad with folding stock Exploded View





**M98B**



**M98B/Mrad**



**Mag release**



**Hopup dial**



**PEQ Box**



**Stock**



**1200Ah  
9.6V**

