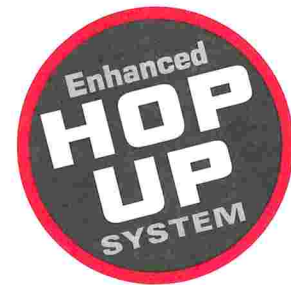




# AGM SERIES

Automatic electric gun series



## HANDLING CAUTIONS AND INSTRUCTION MANUAL



### WARNING



Only for 18 years old or up

Operation of this air gun is restricted to users older than 18 years old.



Injury caution

Careless shooting may cause eye damage or other injuries.



Carefully read the Handling Cautions and instruction manual

Always read through this handling cautions and instruction manual carefully before use. Operate the air gun with full understanding of warnings and cautions.

**Always read the manual before use.**



**AGM SERIES**



# WARNING

This sport gun is developed for enjoying sport shooting through correct sport shooting operation. shooting sense,if you recognize its features and operational warnings.As the air gun has the dangerous,causing eye damage or other injury.Make sure to read through warnings stipulated

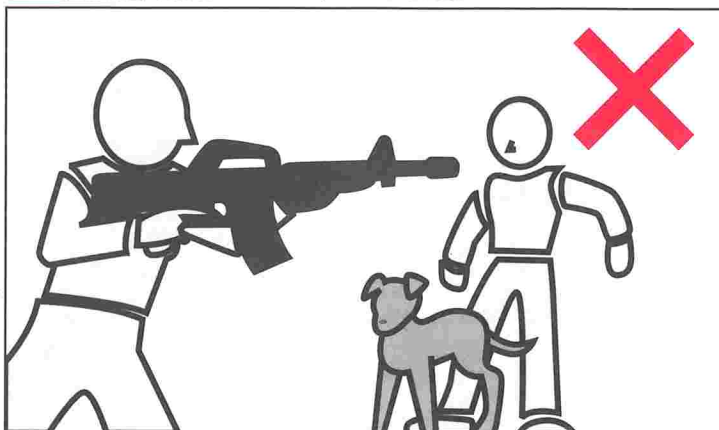
Operation of this air gun competition use is restricted to use is restricted to users of 18 years old or

**WARNING** Always wear eye protective gear.



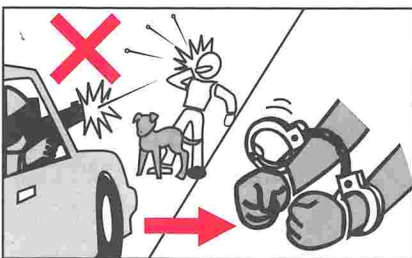
When shooting the air gun for a target or game,you and all participants must wear goggles or other eye protective gear,also paying attention to ricochets.(Pay sufficient attention also to third personnel other than participants.)

**WARNING** Never shoot the air gun towards a person or animal.



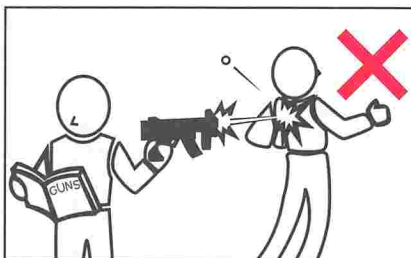
Never aim or shoot a person or animal as the target.Always attach the protective plug to the muzzle,except when you are ready to shoot a target.

**WARNING** You may be punished if you are shooting for a practical joke.



You may be punished if you damage public or personal properties or injure a person or animal even if you are shooting for a practical joke.Always observe manners and enjoy healthy sport shooting.

**WARNING** Avoid pulling the trigger carelessly.



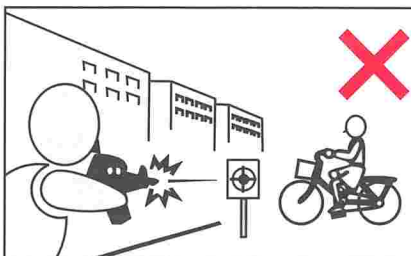
Activating the trigger carelessly is extremely dangerous.Never put your finger onto the trigger unless the protectiveplug is removed and you are ready to shoot a target.

**WARNING** Never look into the gun muzzle.



Looking into the muzzle is extremely dangerous,regardless of with or without bullets being installed.If a BB bullet hits your eye,you may,in the worst case, loose your sight.

**WARNING** Never shoot the air gun at places where people and cars pass cross.



Select a safe place for operating the air gun,avoiding places where people and cars pass cross or third persons are around.

**WARNING** Always direct the muzzle towards a safe direction.



Never direct the muzzle towards a person,animal or other dangerous directions.Always attach the protective plug,except when you are ready to shoot a target.

■ The operation procedure varies according to the model.Make sure to operate an air gun after recognizing its features.

■ We are not responsible for any accidents,events,injuries or repair costs arising from wrong operation and handling or by modification and disassembly of the gun.

You can experience unique feel of the air gun, which is a most suitable sport goods to improve your capacity to shoot BB bullets by 50 to 60 meters, careless shooting and wrong operation are below and observe rules and manners for pleasant sport shooting.

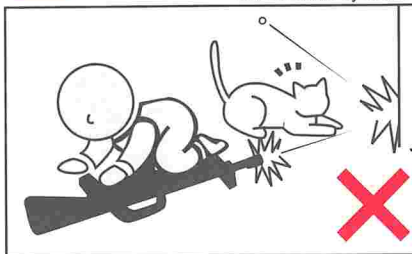
more careless shooting and wrong operation are dangerous, causing eye damage or other injury.

**WARNING** Always put the gun in a case or bag when you are carrying it.



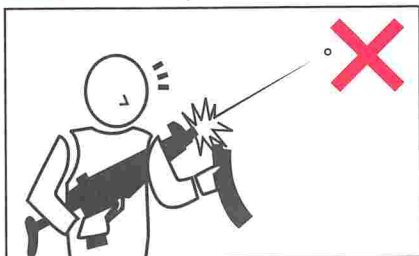
When you carry the air gun, attach the protective plug, set the selector lever to the Safety position and put it in a case or bag.

**WARNING** Store the air gun at places out of reach by children.



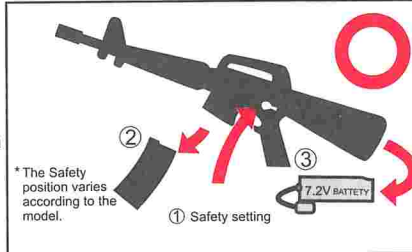
Always attach the protective plug to the muzzle, remove the battery and store the air gun in a case or bag and at a place out of reach by children so that they will not be injured during mischievous play.

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



There are cases that bullets remain in the gun after the magazine is disconnected. Pulling the trigger carelessly is extremely dangerous. After removal of the magazine, direct the muzzle towards a safe direction and pull the trigger to confirm that no bullets remain in the gun. Then, attach the protective plug to the muzzle.

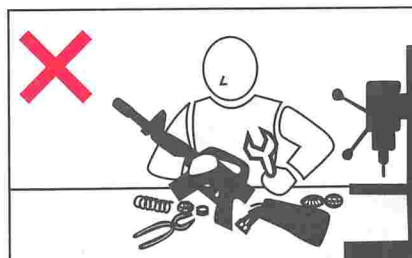
**WARNING** Always set the selector lever to the Safety position.



① Set the selector lever to the Safety position. ② Remove the magazine. ③ Remove the battery from the air gun.

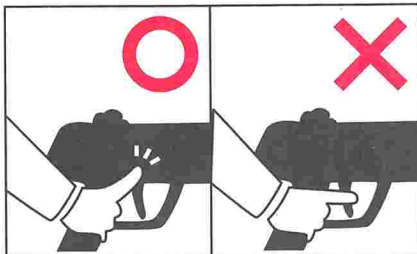
\* The Safety position varies according to the model.

**WARNING** Never disassemble or modify the air gun.



This air gun is manufactured under consideration of appropriate performance and operability. Disassembling or modifying the gun may generate danger or adversely affect the performance. So, avoid disassembling or modifying the air gun.

**WARNING** Release put away your fingers from the trigger, except when you are ready to shoot a target.



Never put your fingers onto the trigger except when you are shooting a target. Maintaining your fingers on the trigger may cause sudden discharge for some reasons, which is dangerous.

**WARNING**

- This air gun is capable of shooting 6mm diameter, plastic BB bullets by 50 to 60 meters. Operate the air gun under consideration of the performance and paying attention to safety.
- During a game, always pay attention that persons without wearing goggles or third persons non-members of the game are not within the estimated dangerous zone.
- Never direct the muzzle towards items subject to damage (glass, lamp, household apparatus, tableware, furniture, car, gas bomb, etc.).
- Never insert foreign matter other than BB bullets into the magazine and gun barrel.
- Because of the design of the air gun, there are places subject to entanglement of your fingers. Pay attention not to entangle your fingers when operating the sliding type stock (expand type stock), the stock of folding stock or opening/closing the ejection port.
- When no bullets are shot out while the trigger is operated correctly as instructed in the HANDLING CAUTIONS AND INSTRUCTION MANUAL and malfunctions caused by expiration of the product life or drop of the gun occur, never attempt to repair by yourself, but to take a contact to your dealer or our after-service department.
- The air gun must not be operated after drinking to avoid possible danger.
- Avoid storing the air gun at places subject to drop or falling down. Always store it at places out of reach by children and after attaching the protective plug to the muzzle and putting it in a package, case or bag. If you lose the protective plug, contact us for a replacement part at cost. Make sure to inform us of the model of the model of your air gun.
- Make sure to store the HANDLING CAUTIONS AND INSTRUCTION MANUAL at a safe place. If you lose the manual, consult us for a replacement copy.
- Observe warnings and cautions of the manual for the battery exclusively used for this air gun. Never short circuit the battery intentionally to avoid firing or explosion.
- Always use the exclusive battery charger when charging the battery.
- Malfunctions of the motor, battery and switches will occur if you drop the gun into water or apply a large amount of water to it, causing faulty operation. In such an event, immediately stop operating the gun, remove the battery and consult our after service dept.
- When no bullets are shot out while the trigger is operated correctly as instructed in the HANDLING CAUTIONS AND INSTRUCTION MANUAL and malfunctions caused by expiration of the product life or drop of the gun occur, never attempt to repair by yourself, but to take a contact to your dealer or our after-service department.
- Our exclusive optional parts can be installed to the electrical air gun. Carefully read the respective instruction sheets provided with options.
- For this air gun, consumable parts must be replaced after normal operation of about 30,000 bullets. Operation after expiration of part lives causes malfunctions and danger because of faulty operation. Consult our after-service department for overhaul maintenance.



Read through this manual before shooting paying special attention for safe operation.

Shooting Instructor

- Thoroughly understand the warnings and cautions for safe operation.



Always observe warnings and cautions strictly. Failing to do so may cause injury, accidents or damage to the gun.

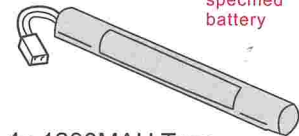
## 1 Charging the Battery (Battery and charger sold separately.)



- Avoid use of nonoriginally designed functions will not be obtained.

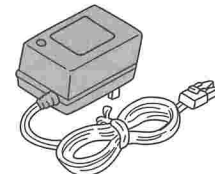
**CAUTION** The SD and Mini Batteries cannot be used.

- Use the specified battery charger which is applicable to the above battery, The charger Exclusive Type or Speed Charger.
- The battery's capacity power is increased with use of the (battery)Discharger(Sold separately)
- Use the correct battery and charger according to respective instruction manuals. We will not be held responsible for any accident or damage caused by wrongful operation usage of non-specified batteries.



Use the specified battery

- 8.4v 1200MAH Type Mini Battery



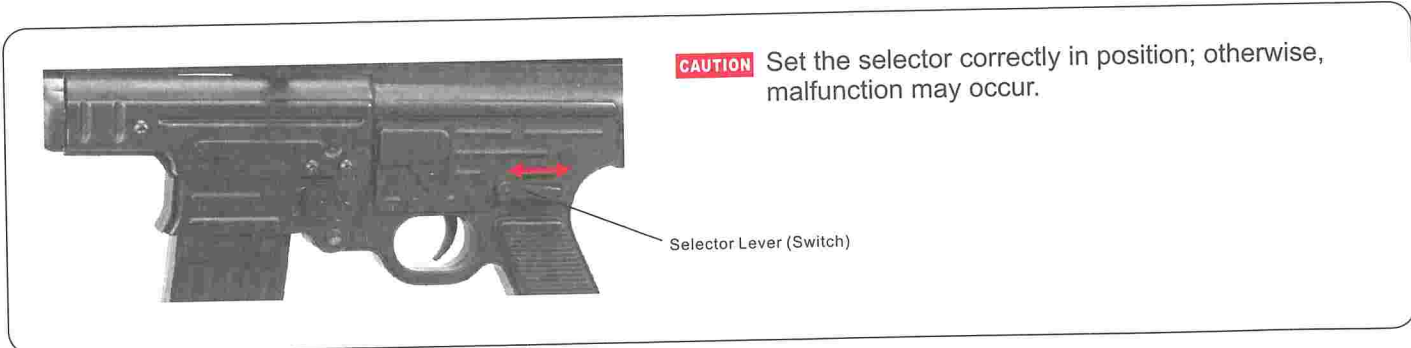
- Exclusive Charger for Mini Battery

## 2 Component Names (For details, see the following pages.)



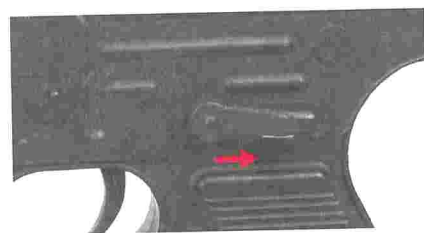
### 3 Selector and Safety setting

(Always set the safety lever to SAFE until immediately before firing.)



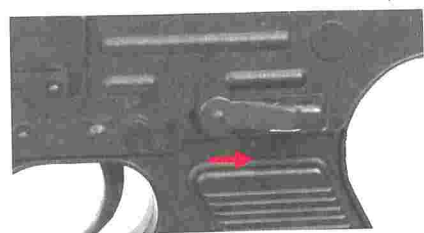
1 Safety Setting  
(The trigger cannot be pulled.)

Always set the lever to the Safety position when you are not firing the gun or during storage.



2 Full Auto  
(Automatic Firing)

The gun will fire automatically while the trigger remains pulled.

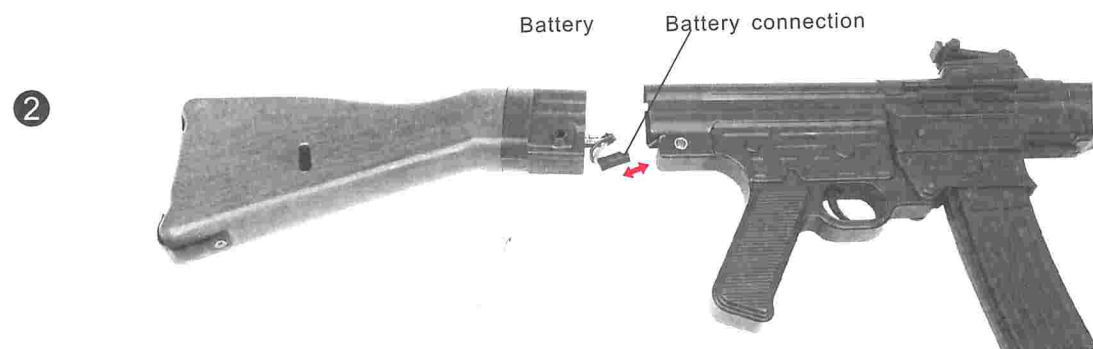


3 Semi Auto  
(Single Shot)

(The gun will fire one shot each time the trigger is pulled.)

### 4 Setting the Battery

(Set the battery after charging.)



## 5 Setting the Magazine

High precision required for the operation of this magazine. Avoid invasion of dust and dirt into the magazine to prevent malfunctions.

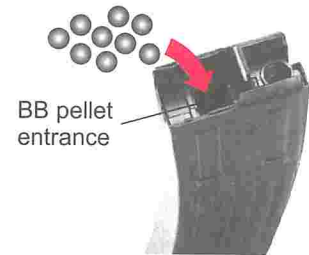
### Action against problem

Failure in pellet feeding may occasionally occur during full auto operation. In this case, disconnect the magazine, give a slight shock or poke BB pellets using a stick and then set the magazine again.

- 1 Press the magazine release lever to remove the magazine. (Support the magazine as it may drop.)

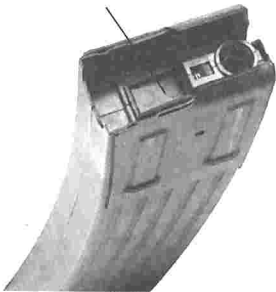


- 2 Open the BB bullets cover on the magazine and load it with about 300 bullets. (Please do not overload the BB bullets.)



- 3 Close the batch

Pellet stopper releasing lever

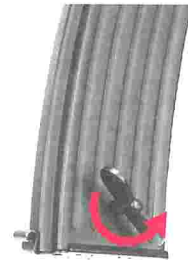


Remove pellets remaining in the duct by reversing the magazine and using the release lever as shown. This ensures smooth operation next time.

- 4 Hold the magazine with BB pellet entrance facing upward. Turn the gear at the bottom all the way until the click-click sounds change. (If only a small number of BB pellets are inserted, the gear merely makes blank turning.)



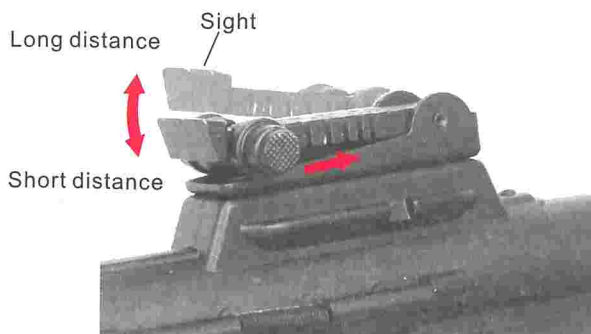
The gear will not be damaged even if you turn it excessively.



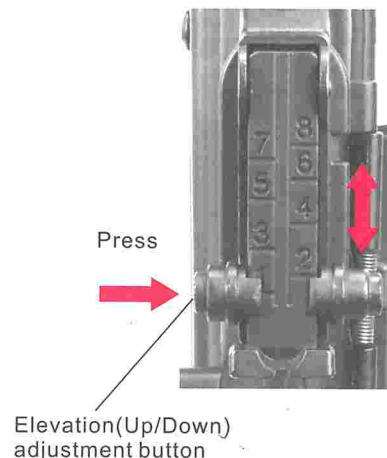
- 5 Check the BB pellets whether they are lifted up to the exit, and then connect the magazine to the gun.

If pellet feeding is frequently in fault, remove all pellets from the magazine and spray silicone oil for 1 to 2 secretary. Note that the hop-up operation may become unstable for a while after using silicone oil.

## 6 Rear Sight and Front Sight Adjustments



The MP44 series rear sight is a tangent type which is adjusted vertically according to distance to the target.

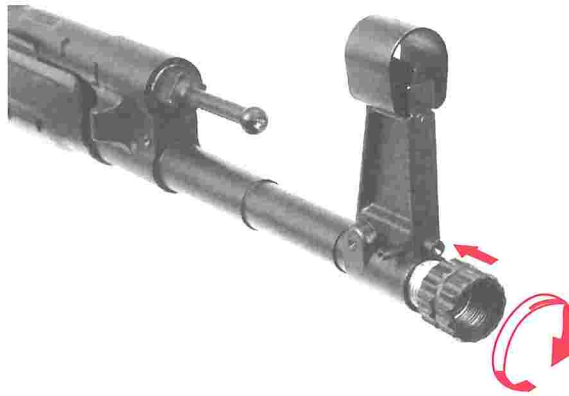


Elevation (Up/Down) adjustment button

## 7 Movable Parts

### Removal of Multi Protector

The Multi protector is fixed by reverse thread as in the case of the real gun.



- 1 While pressing the lock button.
- 2 Remove by turning the multi protector.

## 8 FIRING (Confirm your shooting area is safe before beginning firing.)



- There are possible cases that no firing occurs after pulling the trigger in the semi auto mode. In this case, do not pull the trigger furiously. Fire 5 to 6 shots in the full auto mode and then return to the auto operation.



- Smell may be generated from the motor for a while when a new air gun is operated, this is the normal operation of the gun.



- The hopping up operation maybe unstable for 200 to 300 rounds after using silicone oil, this is the normal operation of the gun.



### Cautions on Motor and Battery

- Charge the battery if the firing cycle becomes slow.
- Give the air gun a rest for 5 to 10 minutes after firing about 500 rounds, in order to ensure long service lives of the motor and battery.

**CAUTION** A blank firing may occur at triggering after setting the magazine, this is the normal operation of the gun.

### When Bullets Are Clogged

- If bullets are clogged, remove them (see 11.2 on page 8) and apply a few drops of silicone oil into the chamber from the magazine entrance as shown or spray silicone oil for 0.5 to 1 sec, to obtain smooth continuous firing. (never use CRC-556 or other mineral oil)

### After Operation

- Remove the magazine and dry fire a gun in the semi auto mode directing the muzzle to a safe direction. (Otherwise, the spring may be weakened.) Set the selector to the Safe position.
- Bullets may remain in the chamber even if the magazine contains no bullets (or if the magazine is not connected). (Two or three bullets may drop from the magazine, this is the normal operation of the gun.)

Silicone oil spray





Always use the genuine 0.29 BB bullet for Electric Gun.



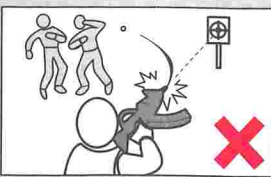
- If the hop-up is adjusted excessively causing clogging of bullets, immediately stop operating the gun, return the lever to Normal, fire 2 or 3 shots and readjust.



- Since a precision tight barrel is used, use of dirty bullets or those with burrs causes clogging of bullets and possible fatal damage to the mechanical box and system.



- Never hold the gun sideways as the BB bullets will carve right or left. This is due to the HOP-UP system.

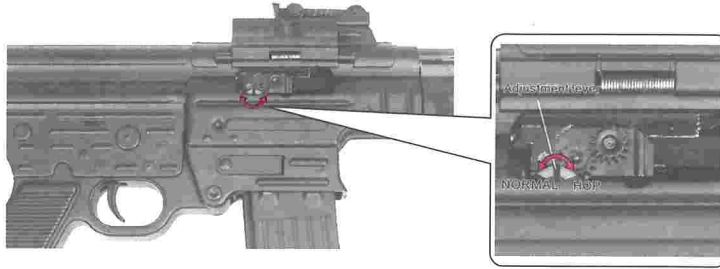


## 9 Variable Hop Up System

(Make sure to read through this page if you purchased the hop-up version.)

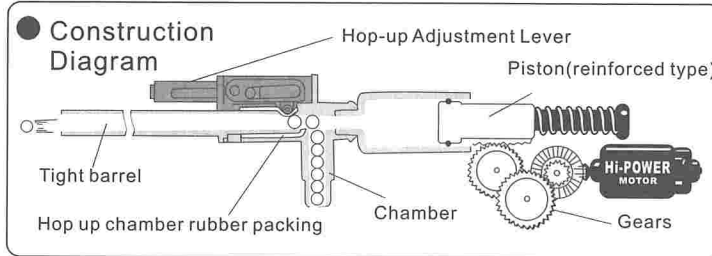
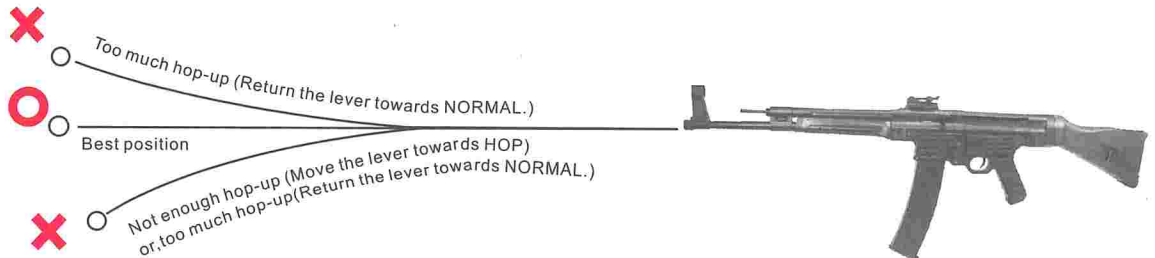
By producing a back-spin on the BB bullets, this system allows for straighter and longer distance shooting than normal air guns. Unlike the fixed type, the variable hop up system permits one-touch adjustments using the dial and lever, making it an ideal hop up system.

- ▶ Adjustment Procedure (Adjust by carrying our trial firing, referring to 8 on page 6 of the instruction manual.)



- Gradually turn the adjustment dial towards Hop to give hop up to bullets. (The best setting is where bullets fly horizontally.)
- Turning excessively adversely affects the trajectory. So, stop turning the dial when bullets fly horizontally.

- The best position is where the bullets fly horizontally, and the longest flying distance is obtained.



### Operational Cautions

(Strictly observe the following cautions.)

- Moving the lever too much towards HOP causes bullets to clog. Firing the gun with clogged bullets damages the piston and gears.
- If bullet clogging occurs, immediately stop firing the gun, return the hop lever to the Normal position and remove clogged bullets using the cleaning rod. (See 12 on page 8.)
- Make sure to return the hop lever to the Normal position when removing clogged bullets or cleaning. (Otherwise, the chamber packing will be damaged.)
- Never use used or dirty bullets. (Otherwise, the chamber becomes dirty, resulting in unstable hopping up.)
- When about 10,000 rounds are fired, spray silicone oil into the chamber for 0.5 to 1 sec. (See 11 on page 8. The hopping up operation may be unstable for 200 to 300 rounds after spraying the silicone oil, this is the normal operation of the gun.)
- We will not be held responsible for any damage or accidents arising from wrongful operation, disassembly and modification of the air gun. Any costs for repair of such damage shall be paid by the user.

### When Hopping Up is Improper

Symptom	Cause	Action
Bullets flying upwards	Too much hop setting	Gradually return hop lever towards Normal.
Short flying distance of bullets (less hopping up effect)	Too much hop setting	Gradually return hop lever towards Normal.
	Hop packing contaminated by oil or dirt	Fire bullets equivalent to 4 to 5 magazines or clean the chamber using cleaning rod.
	Worn or damaged hop packing	Purchase the replacement part at your dealer or from Marui and replace it.

Symptom	Cause	Action
Cannot adjust	Damaged adjustment lever or other parts	Purchase the necessary replacement part at your dealer or repair.
Frequent bullet clogging	Too much hop setting	Gradually return hop lever towards normal.
	Hop packing contaminated by oil or dirt	Use the BB Bullet for Electric Gun.
	Worn or damaged hop packing	Clean using the cleaning rod or consult your dealer or repair.

## 2. Removing Clogged Bullets

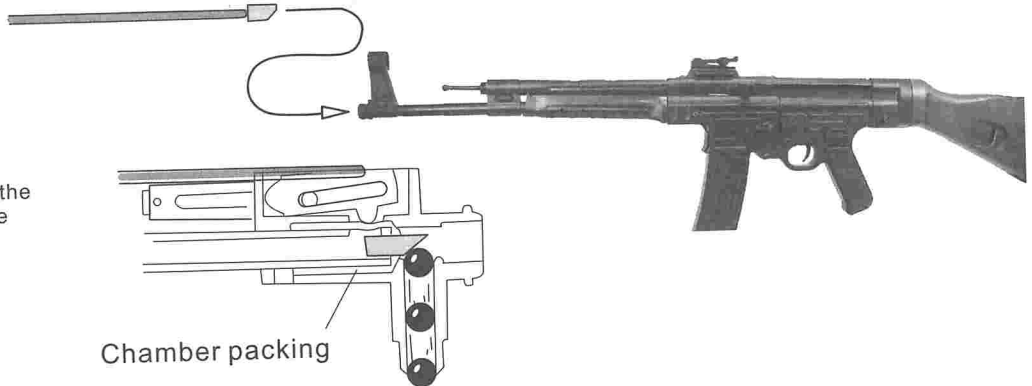


- Make sure to insert the cleaning rod AFTER returning the hop up lever to the Normal position.(Hop-OFF)

- 1 Insert the cleaning rod from the lead edge of the barrel.

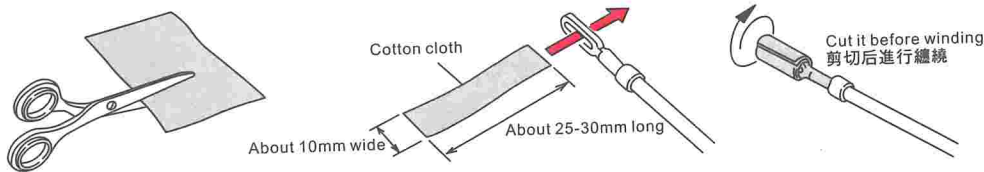
**CAUTION** The dummy cleaning rod attached to the gun cannot be used for the clogging bullet clearing purpose.

- 2 Be careful so that the angled part of the cleaning rod faces down, and remove clogged bullets.



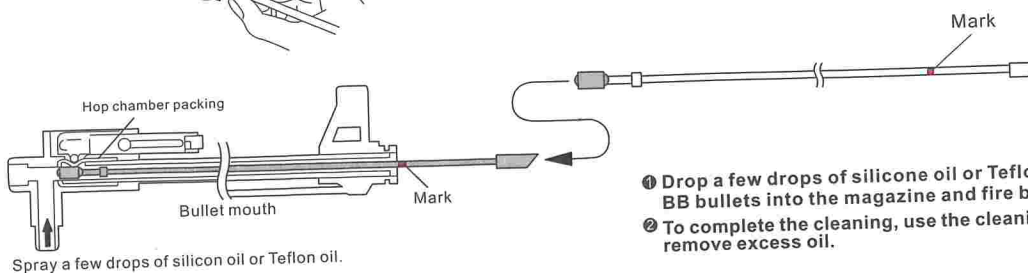
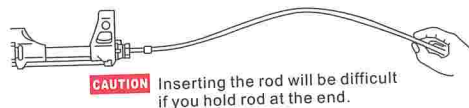
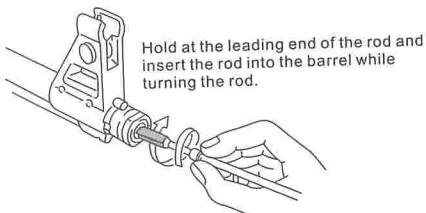
## 3. Maintenance when Bullet Speed Becomes Low

Cut the cotton to the size shown. Adjust the length accordingly so that it can be inserted smoothly into the barrel.



**CAUTION** Make sure to insert the cleaning rod AFTER returning the hop up lever to the Normal position.(Hop-OFF)

Since the chamber is a precision component, avoid use of used BB bullets.



- 1 Drop a few drops of silicone oil or Teflon oil from the bullet entrance. Insert BB bullets into the magazine and fire bullets equivalent to 1 or 2 magazines.
- 2 To complete the cleaning, use the cleaning rod (with cotton) as shown below, to remove excess oil.



# **AGM SERIES**

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**Automatic electric gun series**