

# HANDLING CAUTIONS AND INSTRUCTION MANUAL

# M60VN



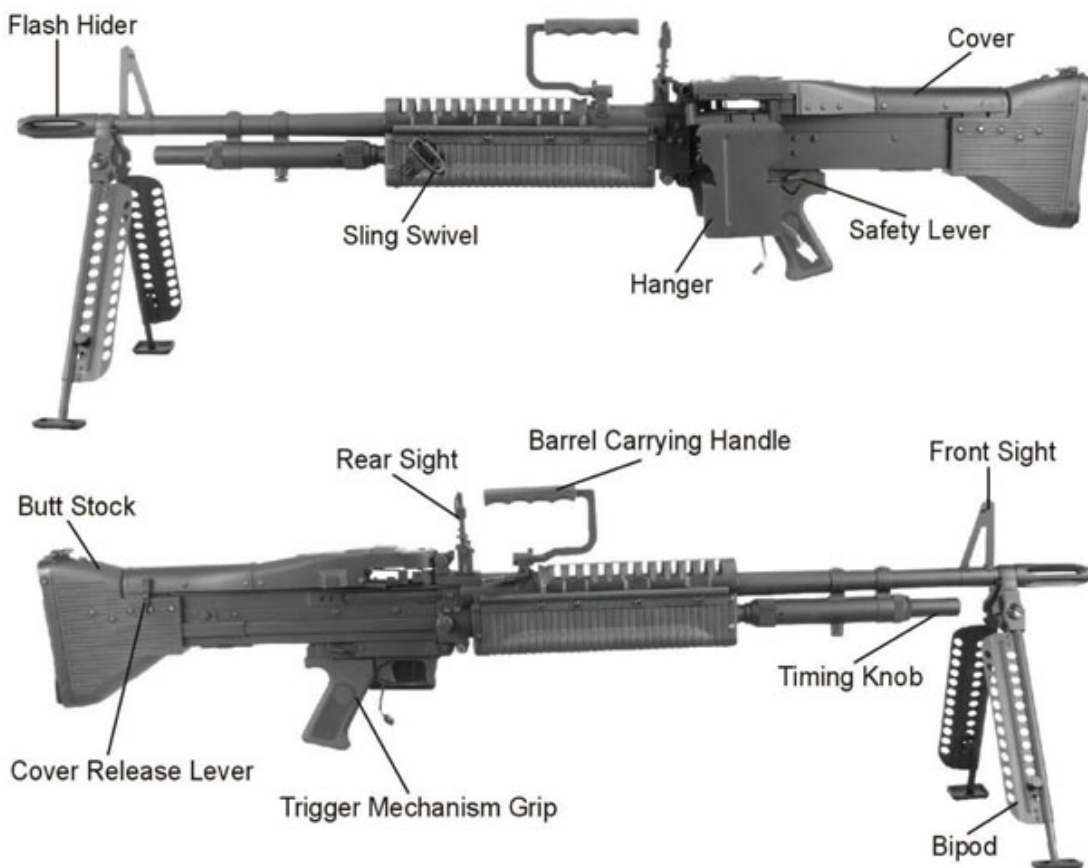
## Automatic Electric Rifle

User restricted to 18 years of age or older

### WARNING

Never point the muzzle at people or animals.  
Please keep the rifles far away from children.  
Don't try to look at the muzzle directly.  
Always detach the magazine and battery from the gun before storage.  
Don't hang your finger on the trigger if you are not shooting.  
Always use new pellets with high quality. Never use pellets that has already been fired.  
Never load the rifle if you don't intend to fire it.  
Please remember to wear protective glasses or shooting glasses to protect the eyes.

# 1 Component Name



## Specification

Name	M60VN		
Weight	8.8 kg	Pellet Capacity	3500 rd
Barrel Length	940 mm	Pellet	6mmBB
Barrel Caliber	6.08 mm	Pellet Speed	300-396 fps

# 2 Safety Lever Setting



**Safety Setting**  
 (The trigger can not be pulled.)  
 Always set the lever to the Safety position when you are not firing the gun or during storage.



**Full Auto**  
 (Automatic Firing)  
 The gun will fire automatically while the trigger remains Pulled.

### WARNING-CAUTION

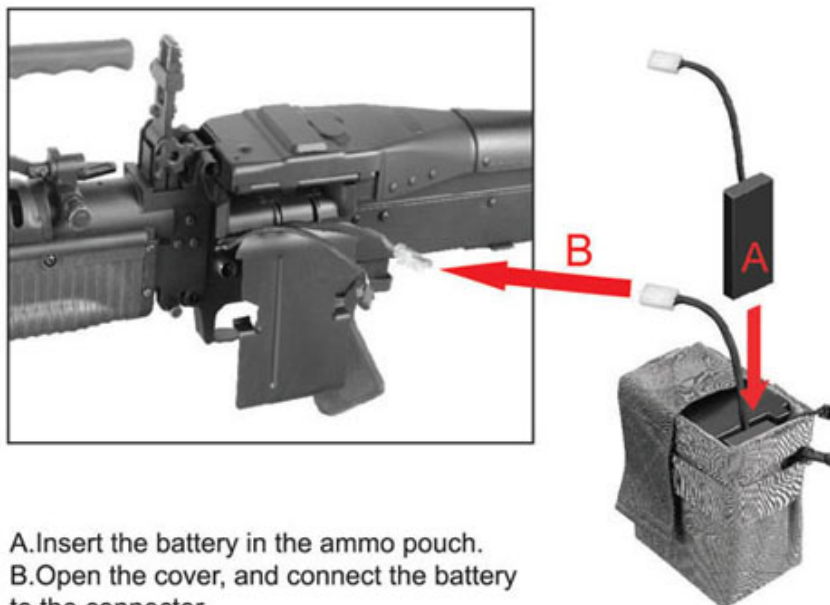
Never operation the safety lever while pulling the trigger. Otherwise, malfunctions are possible, resulting in accidents.

Pulling the trigger with the safety lever being set to safe.

### 3 Setting the Battery

#### WARNING-CAUTION

Direct the muzzle towards a safe direction and set the safety lever to the Safety position.



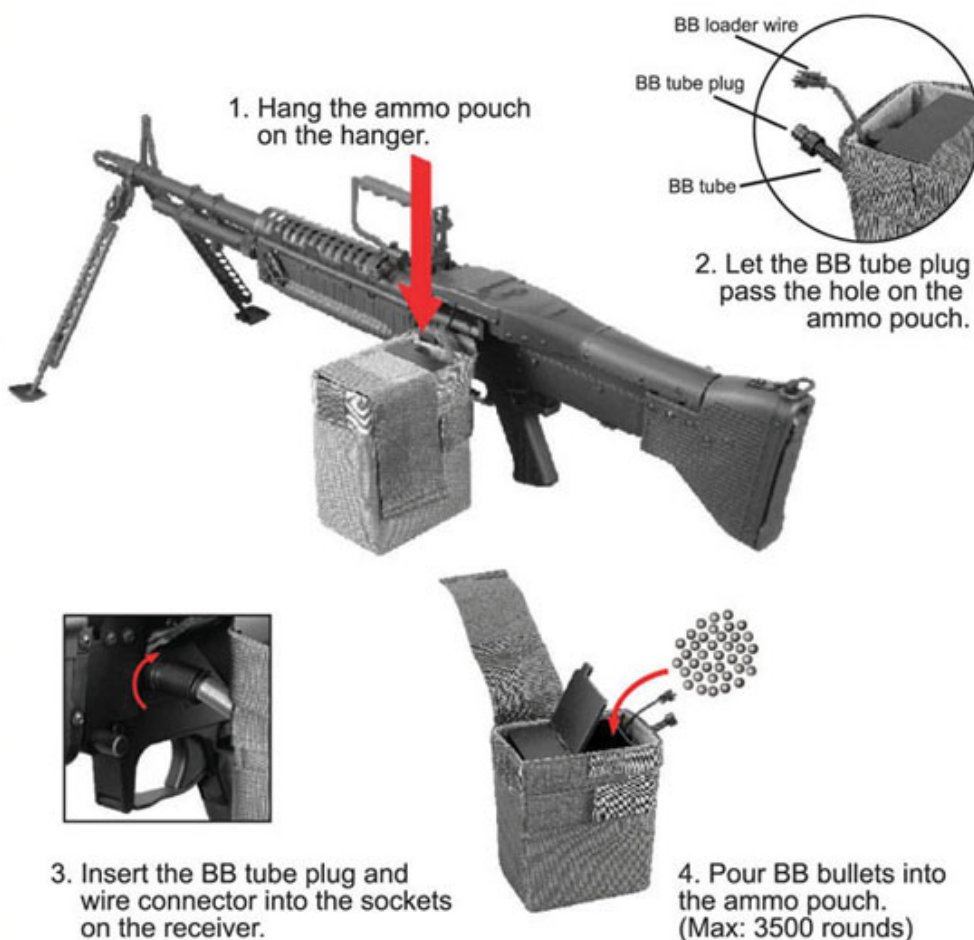
A. Insert the battery in the ammo pouch.  
B. Open the cover, and connect the battery to the connector.

\*Warning. Please do not connect two batteries at the same time.  
\*Use 9.6V~10.8V battery only.

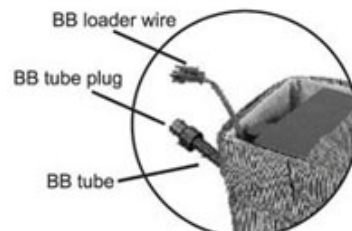
### 4 Setting the Ammo Pouch

#### WARNING-CAUTION

Always use the BB bullet for this air gun. We will not be held responsible for any damage and accidents arising from use of bad quality bullets supplied by other manufacturers.



1. Hang the ammo pouch on the hanger.



2. Let the BB tube plug pass the hole on the ammo pouch.

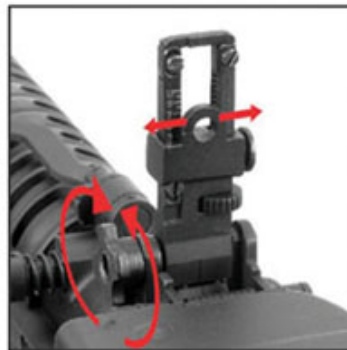
3. Insert the BB tube plug and wire connector into the sockets on the receiver.

4. Pour BB bullets into the ammo pouch.  
(Max: 3500 rounds)

## 5 Setting the Sight



1. Keep pressing the sight button, and then move the sight up or down.



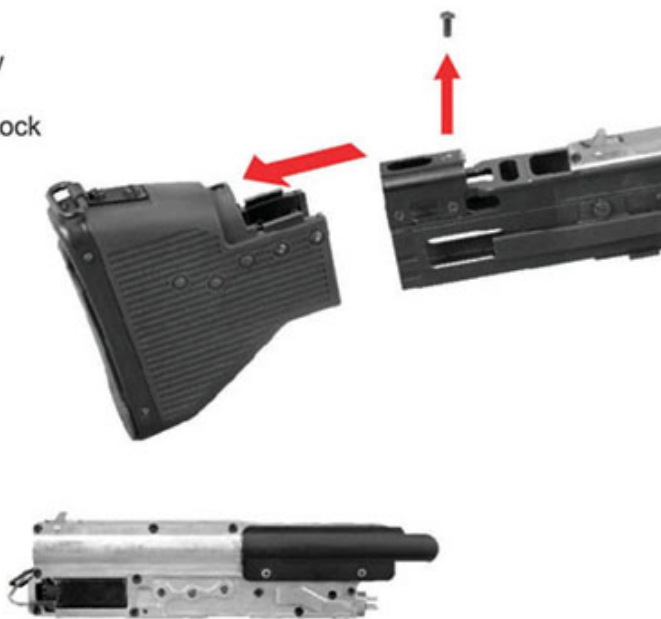
2. Turning the elevation adjustment dial will move the sight up or left.

### WARNING-CAUTION

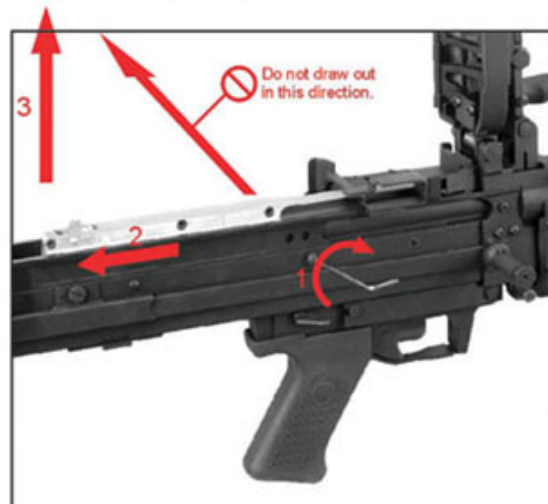
Note that the elevation adjustment dial comes off when working the dial too much.

## 6 Detach the Gear Box

1. Take out screw
2. Take off butt stock



1. Take out screws
2. Draw out the gear box horizontally
3. Take out the gear box in upright position



### WARNING-CAUTION

Please be sure to draw out the gearbox horizontally, otherwise may cause breakdown.

# 7

## Moveable Parts

### [7-1]: Barrel

A&K M60VN

#### WARNING-CAUTION

Be careful not to catch your finger in the bolt, as it will close quickly when the operating rod is released.

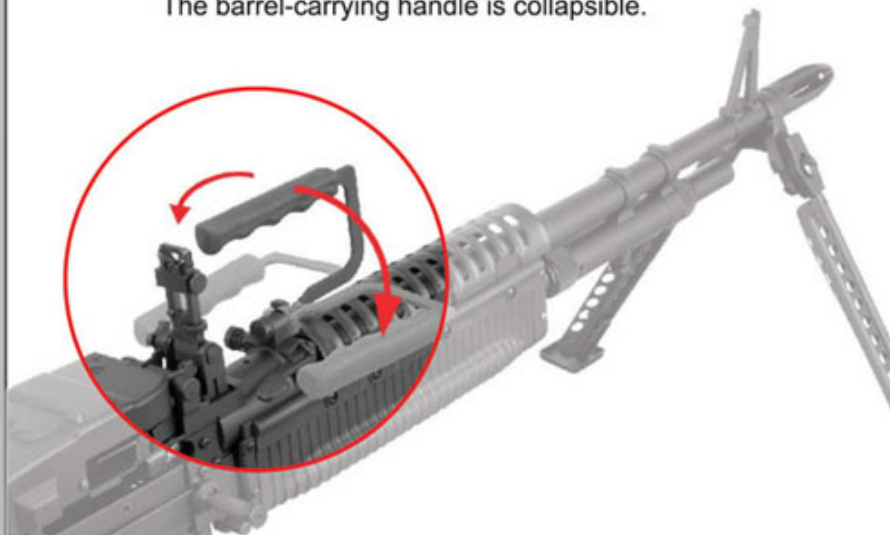


### [7-2]: Barrel Carrying Handle

#### WARNING-CAUTION

Please be sure to draw out the gearbox horizontally. Otherwise may cause breakdown.

The barrel-carrying handle is collapsible.



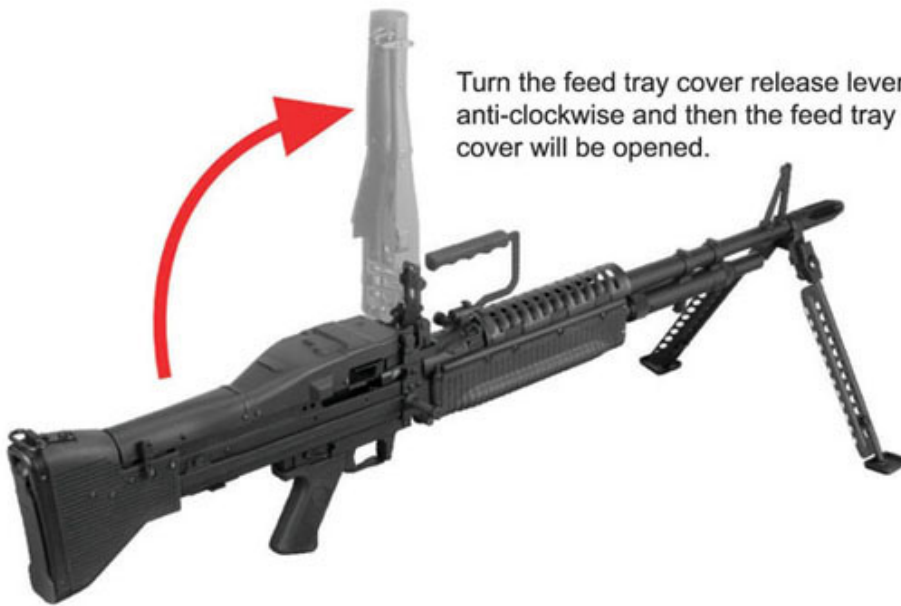
### [7-3]: Bipod



1. Keep pressing the bipod release button.
2. Then pull the bipod to adjust length. (3 levels)

**WARNING-CAUTION**  
Be careful not to catch your finger in the moving parts.

### [7-4]: Upper Cover



Turn the feed tray cover release lever anti-clockwise and then the feed tray cover will be opened.

**WARNING-CAUTION**  
Please be sure the safety lever is set to the Safety position.

### [7-5]: Shoulder Rest



The shoulder rest opens and shuts.

**WARNING-CAUTION**  
Do not open or close the shoulder rest by force.

## [7-6]: Cocking Lever

### WARNING-CAUTION

Be careful not to catch your finger in the bolt, as it will close quickly when the operating rod is released.

The bolt retreats at the same time as pulling the operating rod.



A&K  
M60VN

## [7-7]: Butt Stock

### WARNING-CAUTION

Be careful not to catch your finger in the bolt, as it will close quickly when the operating rod is released.

1. 打開上機匣蓋，取出螺絲。
2. Draw out the butt stock.

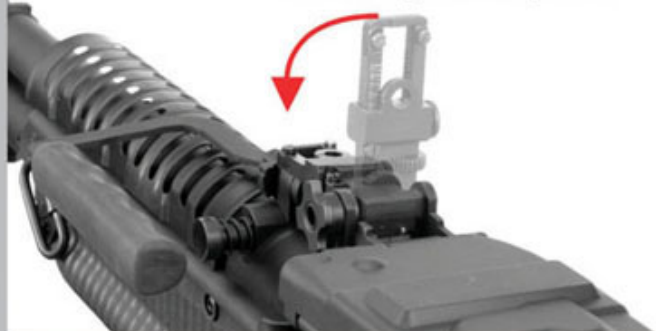


## [7-8]: Rear Sight

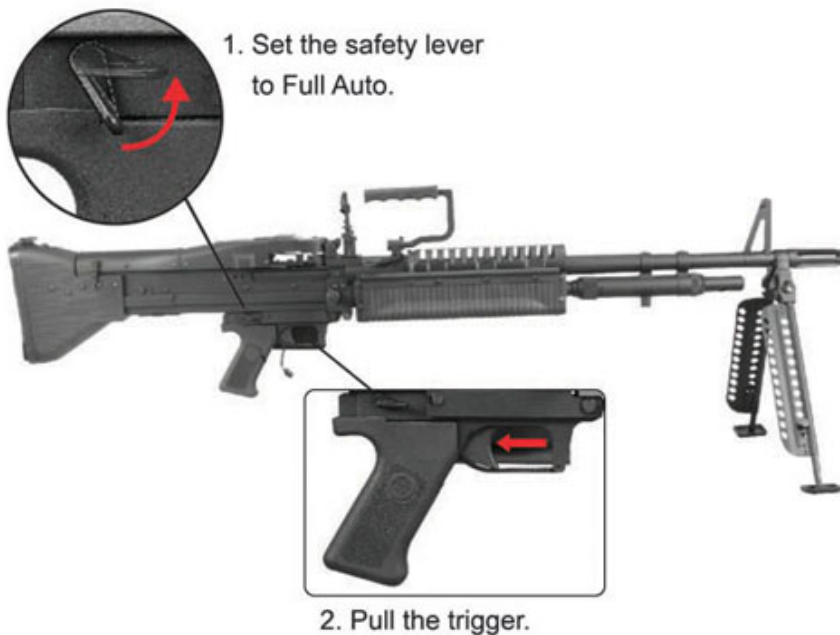
### WARNING-CAUTION

Be careful not to catch your finger in the bottom of sight, as it will close quickly when the operating rod is released.

The rear sight is collapsible.



## 8 Firing



### CAUTION

- Activating the trigger carelessly is extremely dangerous. Never put your finger onto the trigger unless you are ready to shoot a target.
- A blank firing may occur at triggering after setting the magazine; this is the normal operation of the gun.

### After Operation

- Remove the magazine and dry fire the gun in the semi auto mod 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).

### Coactions on Motor and Battery

- Charge the battery if 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.

### When Bullets are clogged

If bullets are clogged, remove them and apply a few drops of silicone oil into the chamber from the magazine entrance or spray silicone oil for 0.5 to 1 sec to obtain smooth continuous firing.

### WARNING-CAUTION

Confirm safety sufficiently before beginning firing. Pulling the trigger with the selector being set to safe may damage the gun.

### WARNING-CAUTION

Never use WD-40, CRC-556 or other mineral oil.



## 9 Veriabe Hop-Up Systems

### WARNING-CAUTION

Moving the lever too much towards Hop causes bullets to clog. Adjust again after stopping shooting immediately. Returning the lever to the Normal side and canceling hop, since a piston and gears will be damaged, if it continues shooting then.

By giving rotation of the fixed direction to BB bullet, a lift is given and it flies horizontally toward a long distance target. Variable Hop-Up system can tune finely that a spin starts.



1. Open upper cover to adjust the Hop-up system.
2. Gradually slide Hop adjustment lever towards Hop to give hop up to bullets. (The best setting is where bullets fly horizontally.)

Pushing excessively adversely affects the trajectory. So, stop turning the dial when bullets fly horizontal.

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

### WARNING-CAUTION

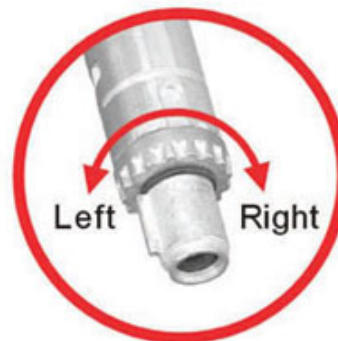
Never hold the gun sideways as the BB bullets will curve right or left. This is due to the Hop-Up system.

When about 10,000 rounds are fired, spray silicone oil to the chamber for 0.5 to 1 sec.

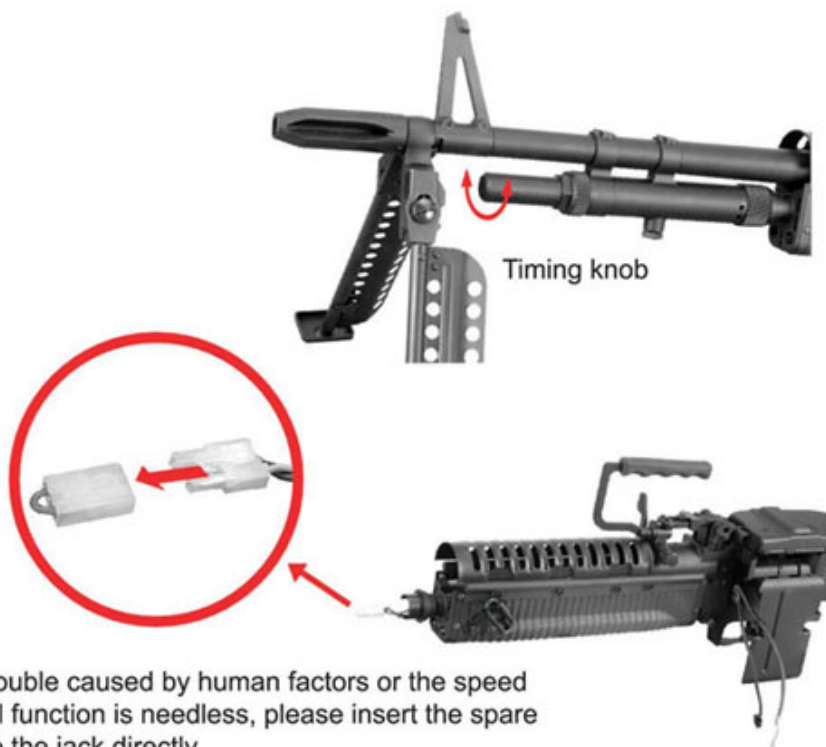


Adjust the lever to left to move the barrel up

Adjust the lever to right to move the barrel down.



## 10 INSTRUCTION OF THE SPEED CONTROL SYSTEM



### WARNING-CAUTION

Please be sure not too much turning of the timing knob otherwise may break the knob.

The trouble caused by human factors or the speed control function is needless, please insert the spare plug to the jack directly.

## 11 When Hop-up is improper

Symptom	Cause	Action
Bullets flying upwards	Too much hop setting.	Gradually return adjustment lever towards Normal
Short flying distance of bullets (less hop-up effect)	Too much hop setting.	Gradually return adjustment lever towards Normal
	Hop packing contaminated by oil or dirt.	Clean using the cleaning rod or consult your dealer for repair
	Worn or damaged hop packing.	Purchase the replacement part at your dealer and replace it.
Can not adjust	Damaged adjustment lever or other parts	Purchase the replacement part at your dealer and replace it.
Frequent bullet clogging	Too much hop setting.	After the adjustment lever is returned to a normal side, and the hop is released, it adjusts again.
	Improper or too large sized BB	Use the BB bullet.
	Dirty hop packing	Clean using the cleaning rod or consult your dealer for repair

## 12 Trouble Clinic (Trouble shooting)

Symptom	Cause	Action
Although motor is revolving gun doesn't fire	Selector lever is set to safety.	Set the selector lever to fire.
	Battery is no charged.	Charge the battery.
	Battery connector is disconnected.	Connect the connector.
	The + and – of bafflers connector is reversed.	Connect the connector correctly.
	Fuse is blown out.	Replace the fuse.
Malfunction of full auto operation (automatic firing)	Insufficient battery power	Charge the battery.
	Faulty bullet feed of magazine	Repair clogging of the magazine.
Malfunction of semi -auto operation	Poor electrical connection	Consult your dealer for overhaul maintenance or repair.
Automatic firing cycles become slow	Insufficient battery power	Charge the battery
Shooting distance becomes shorter.	Worn or damaged chamber packing	Consult your dealer for overhaul maintenance or repair. Replace the chamber packing, piston packing (O-ring) and piston assembly.
	Worn or damaged chamber packing (O-ring)	
	Deteriorated piston spring	
	Faulty BB bullets (too small or heavy)	Use the genuine BB bullets.
	Shortage of Silicone oil	Drop a few drops of silicone oil from under the chamber
	Gear problems caused by excessive blank firing	Consult your dealer for overhaul maintenance or repair. Replace the chamber packing, piston packing (O-ring) and piston assembly.
Overly loud operating noise	Gear problems caused by excessive blank firing	
	Worn of damaged gear	
Bullets falling out from barrel end	Gear problems caused by excessive blank firing	Use the genuine BB bullets.
	Worn of damaged chamber packing	



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