

UNIVERSO SNIPER  
AIRSOFT

King Arms

# M4 Gas Blowback Rifle Instruction Manual

Please read through all instructions before operating this GBB rifle



## ⚠ WARNING

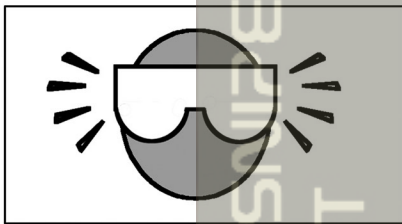
- User of this GBB rifle must be 18 years of age or older.
- The shooting range of the plastic BB bullet can reach up to 100 meters, beware at all time. Careless shooting may cause eye or other injuries.
- Read through this Handling and Instruction Manual carefully before operating this GBB rifle.

# ⚠️ WARNING ⚠️

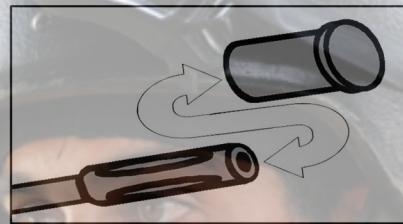
**Read through this Handling and Instruction Manual carefully before operating this GBB rifle**

**This sport gun is developed for recreational use and it is capable to shoot BB bullets as a projectile so please be caution when handling or using this gun. Careless shooting or improper use is dangerous, and it can cause damage or injury on human or animal. Make sure you read through this manual and all the warnings before operating this gun.**

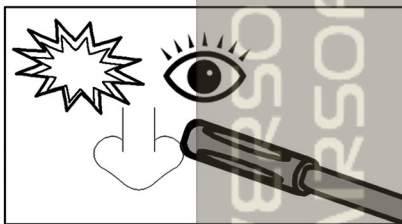
**Operating this airsoft gun must be aged over 18 years old. Careless shooting or improper operation are dangerous. Users must understand and follow the laws of country before possessing or operating this product.**



Always wear eyes protective gear.



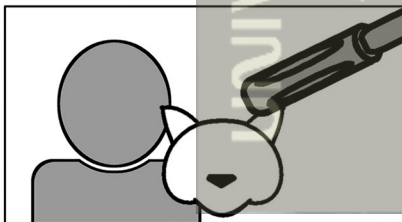
Always attach the protective plug to the gun muzzle.



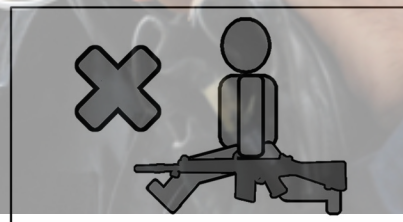
Never look into the gun muzzle.



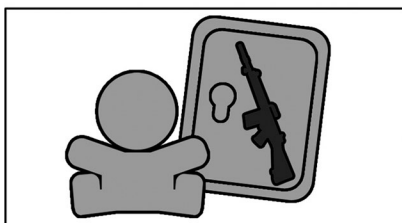
Avoid pulling the trigger carelessly.



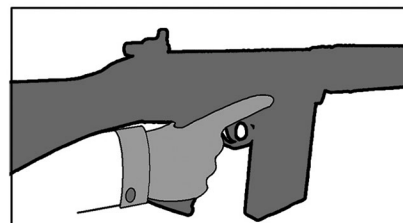
Never point or shoot the gun towards a person or an animal.



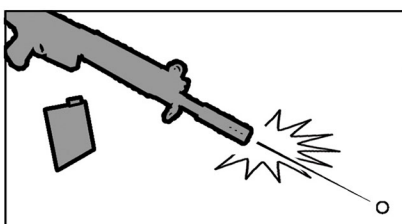
Always put the gun in a case or bag when you are carrying it.



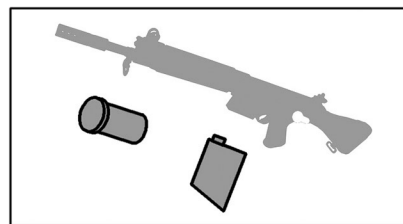
Store the air gun at places out of reach by children.



Always put your finger away from the trigger except when you are ready to fire the gun.



Even if the magazine is removed, there might be remaining BB bullet in the gun which still can be shooting.

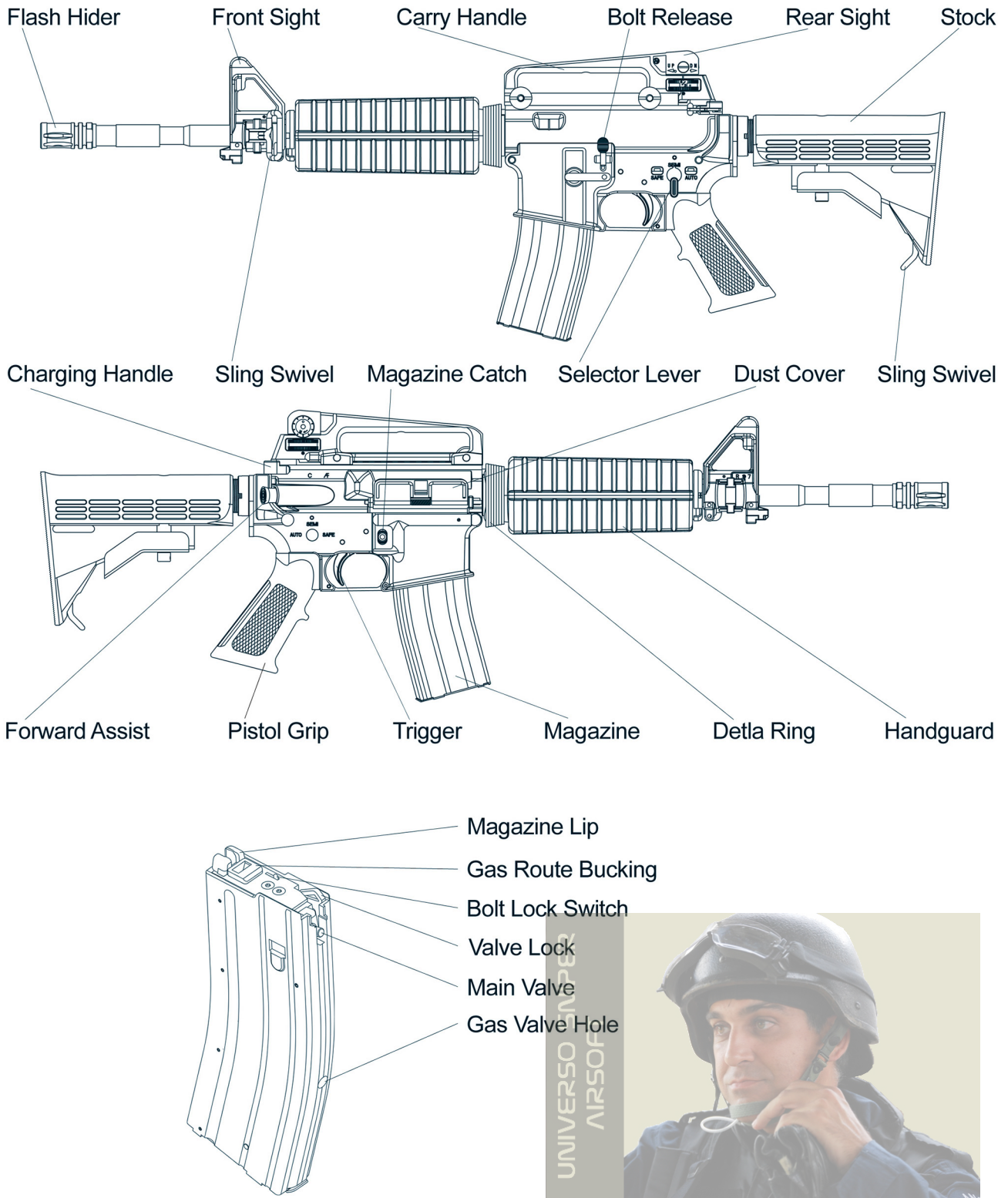


Always apply safety habits:  
-Set selector lever at the Safety position.  
-Attach the protective plug to the muzzle.  
-Remove the magazine.

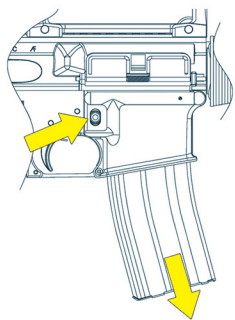
## Caution

- Read through this manual before shooting. Pay special attention for safe operation.
- Remember the warnings and be cautions at all times
- Failing to do so may cause injury, accidents or damage to gun.

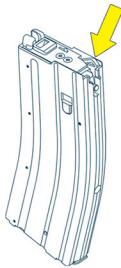
## Component Names



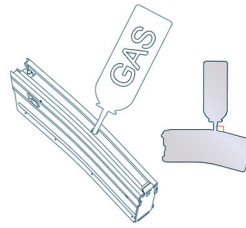
## Operation Charge the magazine.



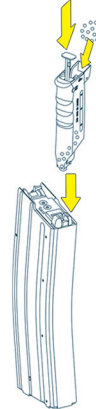
1. Press the magazine catch button to release the magazine.



3. Note: Press the indicated valve lock to release the valve before charging the magazine

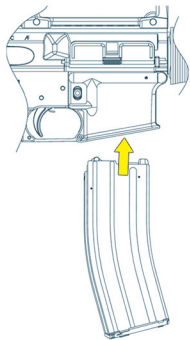


2. Hold the magazine sideways and let the gas valve hole facing up. Charge the magazine with 134A gas or green gas. Make sure the gas bottle and the magazine are perpendicular when charging.

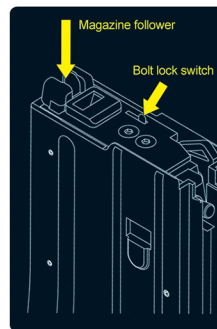


4. Align the BB loader outlet with the magazine opening. Press loading rod to load BB into the magazine.

Please beware that the maximum loading capacity for the standard King Arms M4 Gas Blowback Magazine is 50 rounds of BB. Do not overfeeding the magazine or it will damage the magazine and the rifle.



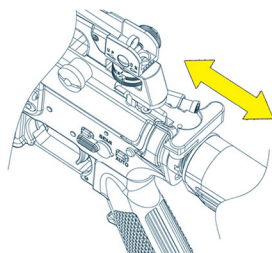
5. Insert the loaded magazine into the rifle.



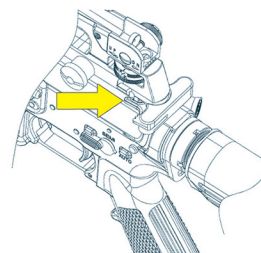
The bolt lock switch on the magazine is used to control the bolt locking function or allowing empty firing on an empty magazine.

- The magazine is preset to bolt locking mode. The bolt will be locked after the magazine become empty.
- To change to empty firing mode, push the magazine follower down. And then push the bolt lock switch forward.

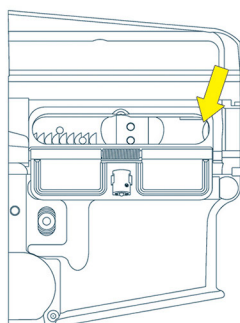
## Operation Loading your rifle.



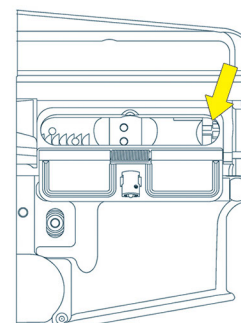
6. Preparing to fire, pull and release the charging handle to load.



7. Make sure the charging handle went back to its original position after released the charging handle.



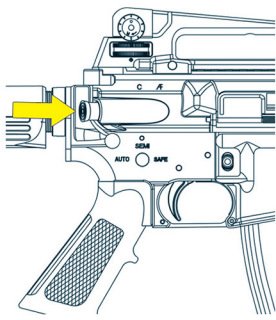
8. Also make sure the piston will go back to its original position completely to allow the bullet to load correctly.



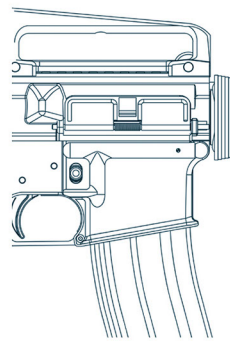
9. In case the piston didn't close completely, the bullet cannot be shot.



## Operation Loading your rifle.



10. Press the forward assist button to make the piston go forward if needed.

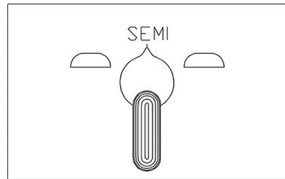


11. After shooting, close the dust cover to prevent dust get into the piston.

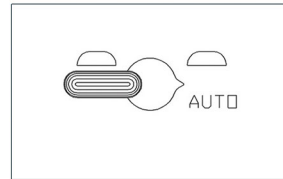
## Operation Safety setting.



**Safety:**  
With hammer cocked, always set the lever to the safety position when you are not firing the gun.



**Semi-auto:**  
The gun will fire one shot each time when hammer cocked and trigger is pulled.

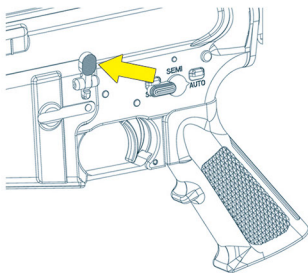


**Full-auto:**  
The gun will fire automatically while hammer cocked and the trigger remains pulled.

· The selector lever can only point to SEMI or AUTO when the hammer is not yet cocked. Always set the selector to SAFE with hammer cocked.

· Do not select the lever to safety when the hammer is NOT cocked. It might damage the selector lever or internal parts.

## Operation Bolt release.

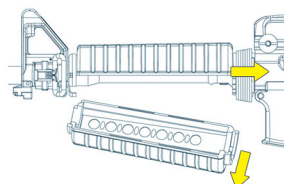


When finish shooting the loads, the bolt will be staying at the bolt stop (it will not stop if the magazine is adjusted to the empty shooting mode.). Press the upper part of the bolt catch indicated by the arrow, the bolt will be able to go back to closing position.

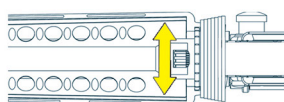
After you exchange the empty magazine to a loaded magazine, if you press the upper part of the bolt catch, you will be able to load the rifle without using the charging handle.

Moreover, for whatever reason the bolt stop at the bolt stop position during shooting, you press the lower part of the blot catch while you put the charging handle back, you will be able to force the bolt to stay at the bolt stop position.

## Operation Hop-up adjustment.



Pull delta ring backward and take the lower handguard off from AEG.



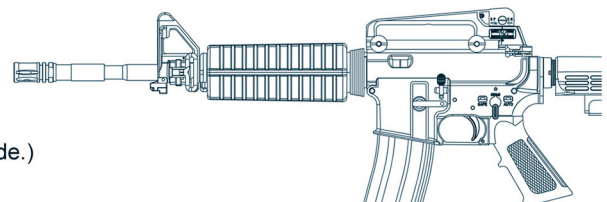
The hop up adjustment switch will be seen. Turn the dial to right side to increase hop up while turn it to left to decrease hop up.

- Turning the hop up dial excessively can cause bullet clogging.
- Keep pulling the trigger while bullet being clogged will damage the piston and gears.
- If bullet clogging occurs, immediately stop firing the gun, return the hop dial to the normal position and remove clogging bullets using a cleaning rod.
- Make sure to return the hop up to normal position when removing clogged bullets. Otherwise, the chamber packing may be damaged.
- Never use used and dirty bullets. Dirty chamber will result in unstable hop up.
- Lacking or over spraying of silicone oil will also lead to unstable hop-up.

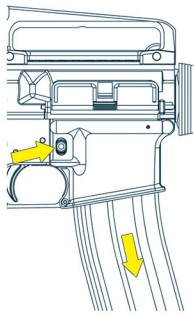
○ Excessive hop up (Turn the dial to left side.)

○ Best position

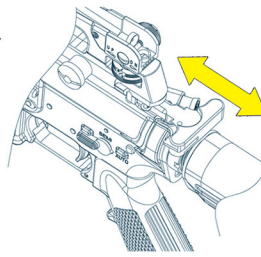
○ Not enough hop up (Gradually turn the dial to right side.)



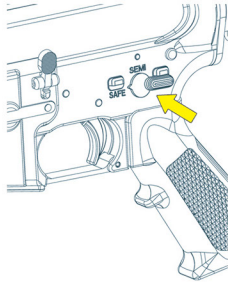
## Disassemble The rifle.



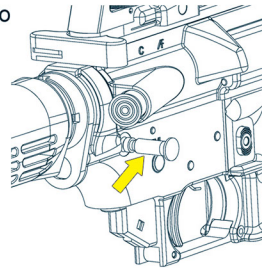
1. Press magazine catch button and remove the magazine from lower receiver.



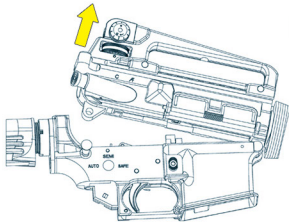
2. Pull the charging handle backward, check receiver and chamber to ensure there is no ammunition in the rifle.



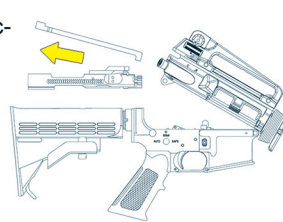
3. Then point the selector lever to safe position.



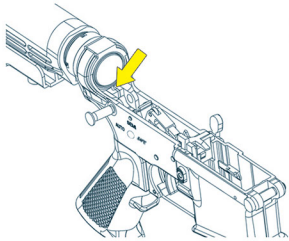
4. Pull the takedown pin as far as it will go.



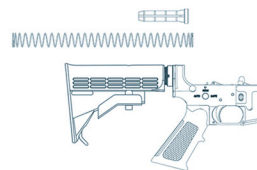
5. Lift the upper receiver up as picture shown.



6. Pull back charging handle and bolt carrier. Then push front pivot pin out, separate upper and lower receivers.

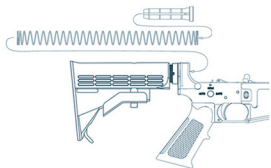


7. Depress buffer retainer and release buffer from stock tube.

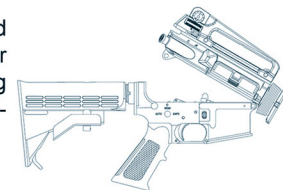


8. Remove buffer and recoil spring.

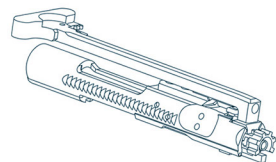
## Reassemble The rifle.



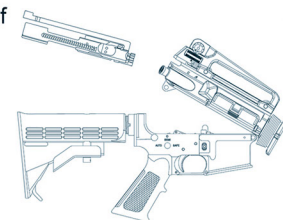
1. First to install the recoil spring and buffer back by depressing the buffer detent and slide the recoil spring and buffer back into stock tube. Release buffer detent afterwards.



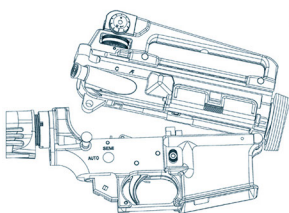
2. Engage receiver pivot pin to join upper and lower receivers.



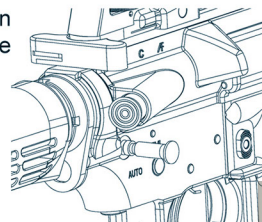
3. Place charging handle on top of the bolt carrier as shown.



4. Insert the charging handle and bolt carrier together into upper receiver.



5. Install the upper receiver back on with the lower receiver, ensure the selector lever is pointed to safe.

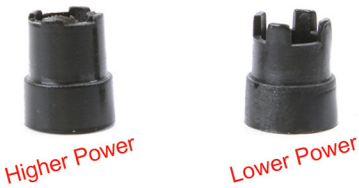


6. Slide the takedown pin back on and make sure it goes through the upper and lower receiver.

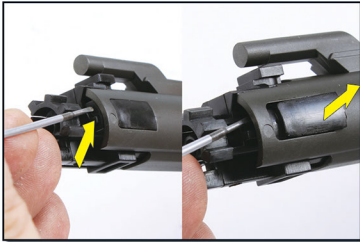


## Power Adjustment

King Arms gas blowback rifle comes with two valve blockers. One of them is installed in the rifle while another one comes with the package. To adjust the power up or down, user can just replace it between one or the other valve blocker.



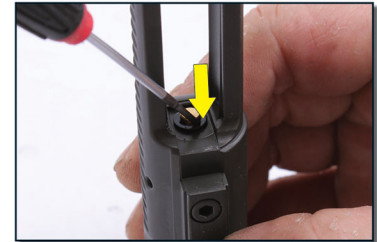
Parts type	Gas type	Velocity
Low power valve blocker	134A gas	280 - 290 FPS
	Top gas	390 - 420 FPS
High power valve blocker	134A gas	340 - 390 FPS
	Top gas	370 - 490 FPS



1. First, take the bolt assembly out from rifle (Refer to page 5). Pull the part (WAP-07) out as picture shown.



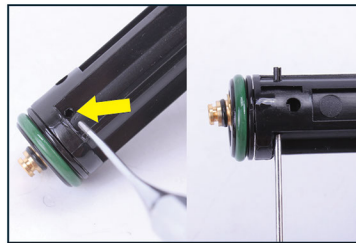
2. Take the part (WAP-07) away from the bolt.



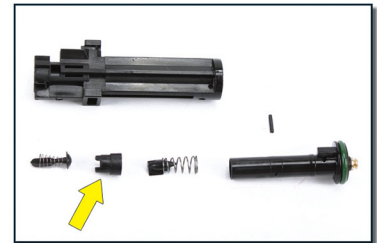
3. Remove the "C" clip indicated.



4. Take the loading nozzle out from bolt carrier.



5. Take the pin out through the hole as picture shown.



6. Finally, take the valve and other parts out. Replace the valve blocker and reassemble the rifle (Refer to page 5).

## RPS Adjustment

To adjust the Round Per Second of rifle, King Arms gas blowback rifles comes with four different size of speed buffers. The thinnest and thickest one are installed in the rifle. Another two buffers come with the package for addition or spare use.



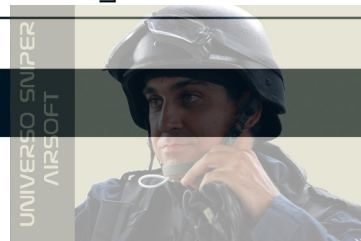
The buffers are installed inside the stock pipe, behind the recoil spring. Disassemble the rifle (refer to page 5) to remove, add or replace the speed buffers.

Buffer used	RPS	Bolt lock function
	11-12	Available
	13-14	Disable
	15-16	Disable

The RPS (Round Per Second) will increase by adding speed buffer. Meanwhile, the bolt lock function will be disable if more than the thinnest buffer were added.

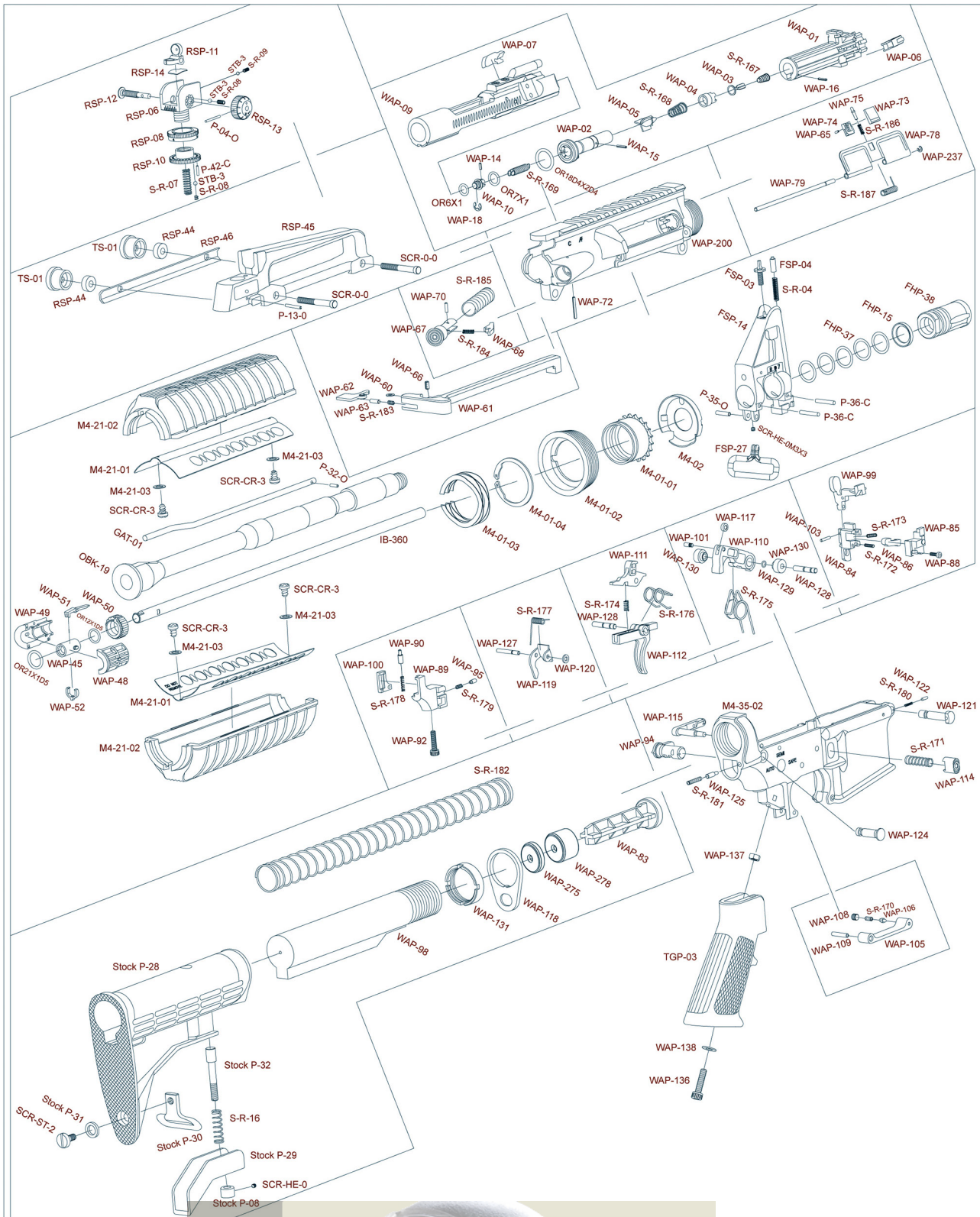


At such time	Reason	Solution
Not shooting.	Didn't put gas in magazine/ gas is used up.	Fill gas in magazine. (refer to P.3)
Trigger cannot be pull.	Hammer is not working.	Pull and return the charging handle. (refer to P.3)
Trigger cannot be pull.	Selector is on SAFE.	Point selector to semi or auto. (refer to P.4)
Not working properly	Bolt is not closed completely.	Press the forward assist knob. (refer to P.4)
Not working properly	BB bullet clogged in the Chamber.	Take the BB bullet out from chamber and use high grade BB instead.
No BB shooting out or the shooting distance is short.	Chamber has wear and tear.	Replace the chamber.
No BB shooting out or the shooting distance is short.	BB not feeding properly because loading nozzle is damaged.	Replace the loading nozzle.
Bolt stop not working or blowback is weak.	The gas in magazine is too cold.	Let the magazine regain its pressure by set it aside for a while before use again.
Bolt stop not working or blowback is weak.	No enough oil and create too much resistance.	Apply oil on places which needed.
Bolt stop not working or blowback is weak.	Gas load packing (part 216) is wear and lead to lack of pressure.	Replace the gas load packing.
Not shooting but gas is coming out.	Piston ring going bad and lead to loading nozzle not working well.	Apply silicone to the bolt carrier.
Not shooting but gas is coming out.	Magazine is not filling well.	Replace piston o-ring.
Not shooting but gas is coming out.	The gas in magazine is too cold.	Check and refill the magazine. (refer to P.3)
Leaking gas	Gas load packing is missing.	Let the magazine regain its pressure by set it aside for a while before use again.
Leaking gas	The valve lock on the magazine is ON.	Make sure the gas load packing is in proper place.
Leaking gas	Valve not working properly because of lack of oil.	Press down the valve lock and refill again. (refer to P.3)
Leaking gas	Valve not working properly because of lack of oil.	Fill silicone into the valve.
The magazine is leaking.	The o-ring around the valve is worn.	Replace valve o-ring.
The magazine is leaking.	The valve has deformed.	Replace valve.

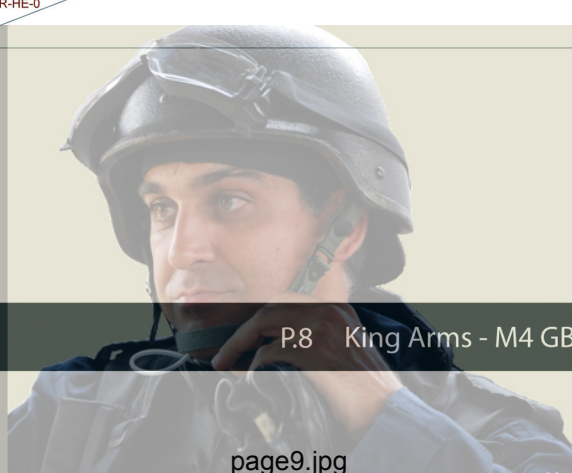




# Explosive Diagram M4A1 Standard.



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