



G&G ARMAMENT
AIRSOFT GUNS & ACCESSORIES



SWISS+
ARMS

SG550

**INSTRUCTION
MANUAL**

6mm Electric Semi / Full Auto System



G&G ARMAMENT
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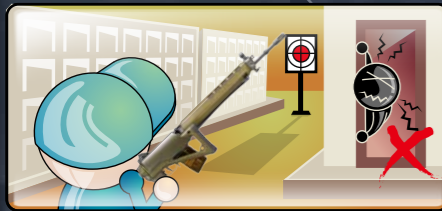
Adult supervision required. Always wear safety goggles when shooting. Misuse or careless use may cause injury. May be dangerous up to 50 meters. Read all instructions before using the airsoft gun. The purchaser and user should conform to all laws governing use and ownership of airsoft guns.



You may be liable for damaging public or personal property or for injuring a person or an animal even if you only meant to shoot as a "practical joke." Always observe good manners and enjoy fun sport shooting.



Never direct the muzzle towards a person, animal or in any direction. That may cause harm or damage to the third party.



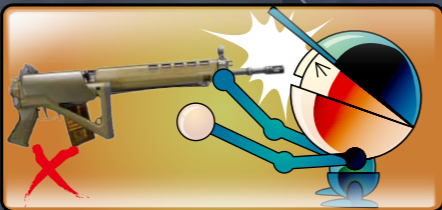
Select a safe place for operating the air gun, avoid places where people and cars are around.



Make sure to put the barrel and safety cap on the muzzle, except when you are shooting. Do this to prevent accident, discharge of BBs and also for dust protection purpose. Never pull the trigger while the barrel and the safety cap is attached.



Safety procedures:
1. Attach the safety cap to the muzzle.
2. Set the selector lever to the safety position.
3. Remove the magazine.
4. Remove the battery.



Looking into the muzzle is extremely dangerous regardless of BBs having been loaded or not. If you get hit in the eye by a BB pellet, you may in worst case, lose your eye sight.



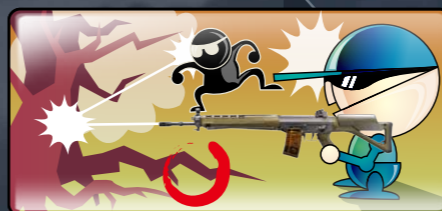
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When you carry the air gun, attach the safety cap, set the selector lever to the safety position and always put the air gun in a case or bag.



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



When shooting the air guns for target practice or in a game situation, you and all participants must wear safety goggles or other eye protective gear. Also, pay attention to ricochets. It is very important to pay attention to third parties other than the participants.



There may be cases where some BBs remain in the gun after the magazine has been removed. After removal of the magazine, direct the muzzle towards a safe direction and pull the trigger to confirm that there are no BBs remain in the gun, then attach the safety cap.



Always attach the safety cap to the muzzle, remove the battery and store the air gun in a case or bag and at a place that is out of reach by children.



Disassembling or modifying the gun may adversely affect the performance and make it dangerous. " It may be against the Law."



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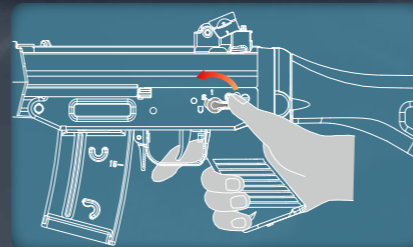
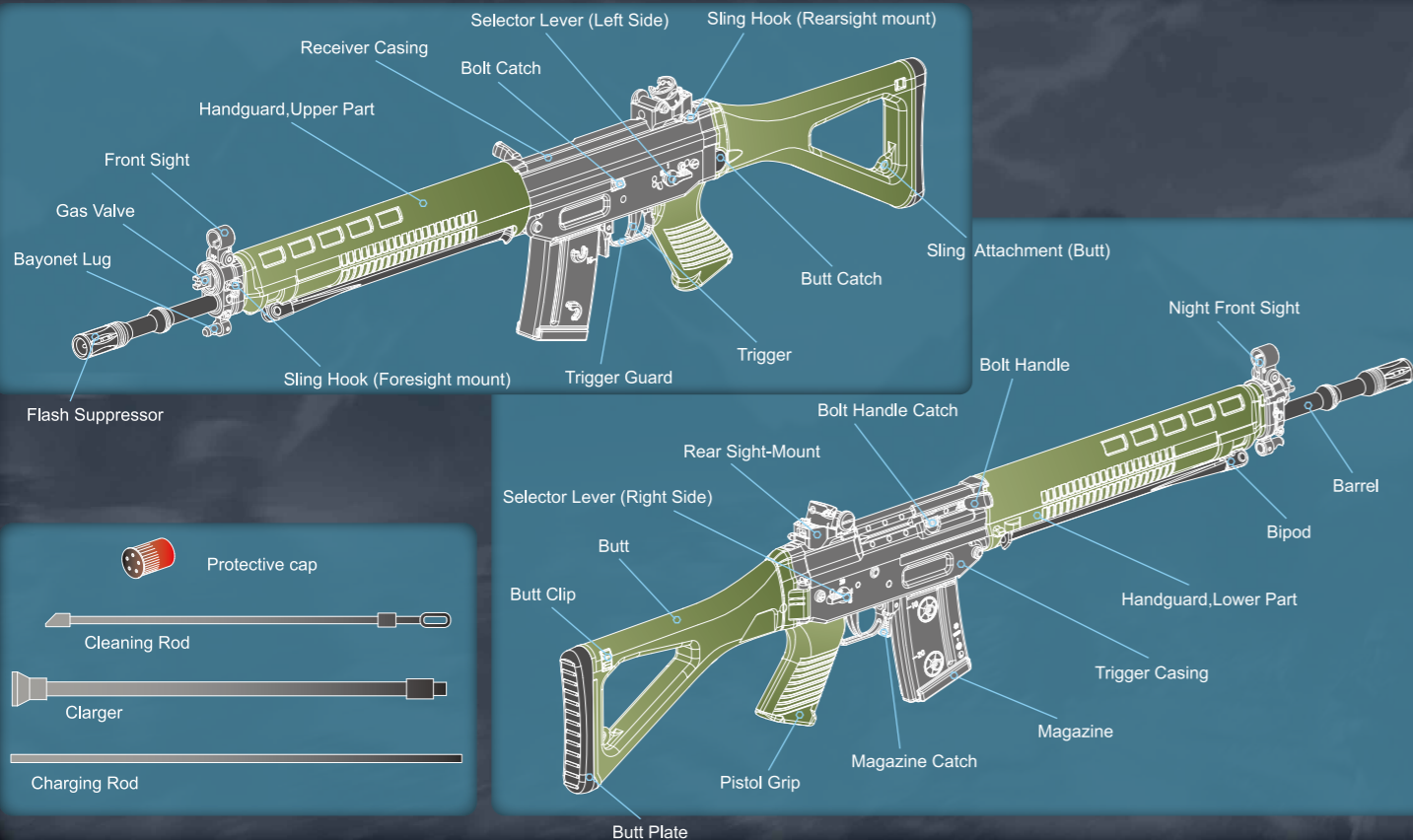
P15~P16 PARTS LIST

P17 TROUBLE SHOOTING



This weapon was developed in response to a Swiss need for a new service rifle to replace the STGW-57; in Swiss service, this assault rifle is called the StG-90. It was adopted in 1984. The weapon was designed for light weight, balance, and accuracy, using plastics for the buttstock, handguard, and pistol grip, as well as the magazines. The stock is folding and skeletonized to reduce weight. The magazines are clear so ammunition levels can be checked, and are equipped with studs and lugs so that up to three of them can be clipped together for rapid changing. The sights consist of day and illuminated night rear sights (one flips the sights to change between the two), and a hooded post-type front sight (also with a tritium inlay). The sights are adjusted for elevation and windage from the rear sight only, and when either the day or night sight is adjusted, the other sight is simultaneously adjusted. There is a STANAG-compatible sight mount for optics of the NATO sort, and this mount can also accept a MIL-STD-1913 rail. The SG-550 is notable for its long 20.8-inch barrel; in addition, a bipod is standard equipment. Various Western-type 40mm underbarrel grenade launchers may be mounted.

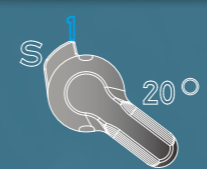




CAUTION
Never operate the Selector while pulling the trigger. Otherwise, malfunctions may occur. Pulling the trigger with the Selector being set to safe may damage the gun.



SAFETY SETTING MODE (The trigger can not be pulled)
When you are not firing the gun or during storage. Always set the selector to the "S" position and attach the protective cap on the muzzle.



SEMI MODE (Single Shot)
Selector to the "1" position. The gun will fire one shot each time as pull the trigger.



FULLY AUTOMATIC MODE (Automatic Firing)
Selector to the "20" position. The gun will fire automatically while the trigger remains pulled.



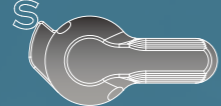
Attach the protective cap to the muzzle and direct the muzzle towards a safe direction.

STEP 1



1

STEP 2



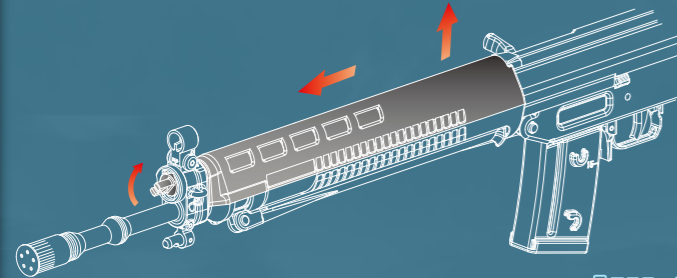
Turn the selector to the Safety position. The magazine should be removed before.

STEP 3



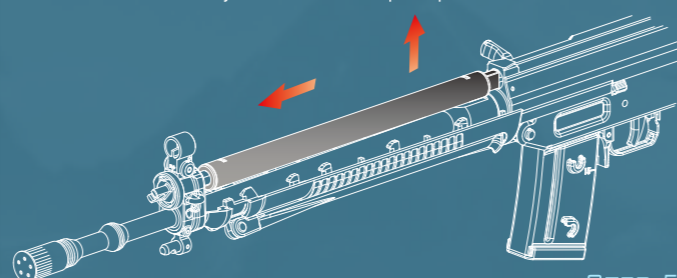
Turn the mock gas cylinder head to 'b' mode

Push the top handguard forward then pull up.



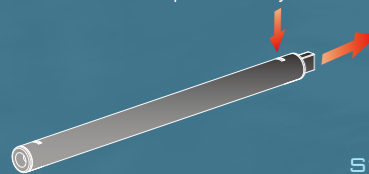
STEP 4

Push the battery forward then pull up will take off.

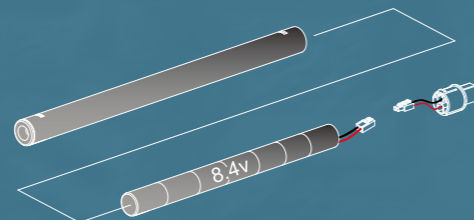


STEP 5

Push the point then pull the connector will be open battery case.

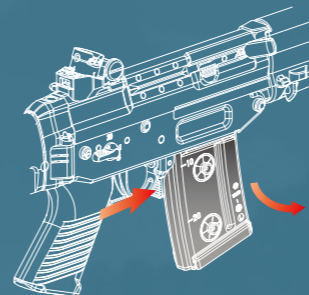


STEP 6



Insert the battery and connect the connector then close the case.

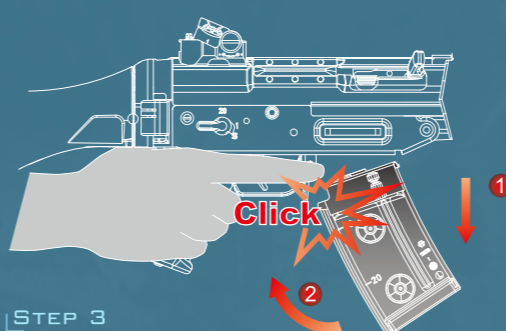
STEP 7



Press the magazine release to remove the magazine.

STEP 1

Insert the magazine into the body, until you heard a click sound.



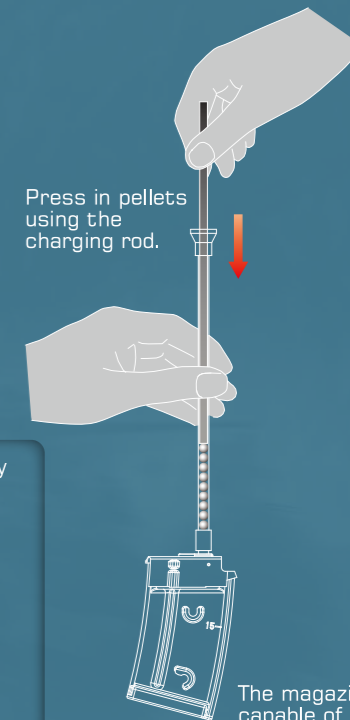
STEP 3

STEP 2

Insert 5.96mm BB bullets supplied by G&G into the charger



Press in pellets using the charging rod.

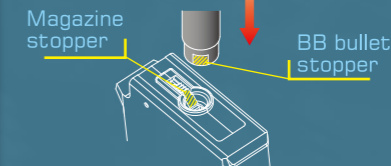


The magazine is capable of containing 30 rounds.

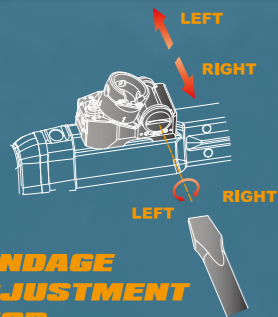
CAUTION

Always use the G&G BB pellet diameter 5.94 ~ 5.96mm BBs for this air gun. We shall not be held responsible for any damage or accidents arising from the use of pellets supplied by other manufacturers.

Insert the BB bullet stopper horizontally when inserting the charger into the magazine to avoid interference with the magazine stopper in the magazine.

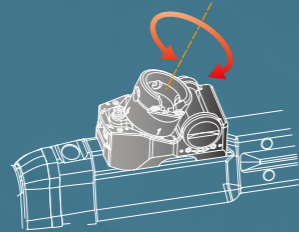


Confirm that the safety lever is set to the Safety position and don't place your finger on the trigger.



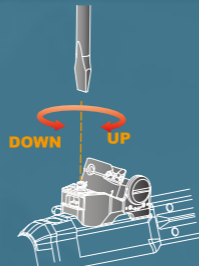
WINDAGE ADJUSTMENT KNOB

Turning clockwise: To correct the shots leaning to the left.
Turning counterclockwise: To correct the shots leaning to the right.



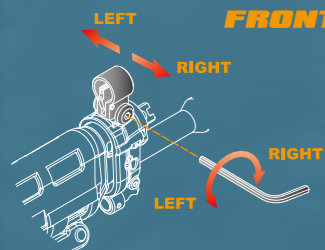
ADJUST THE REAR SIGHT

Turn for adjustment.
Use the smaller aiming dots for precision shooting.



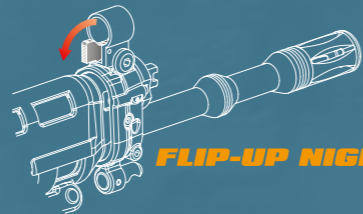
ELEVATION ADJUSTMENT

Turning clockwise: To correct high shots.
Turning counterclockwise: To correct low shots.



FRONT SIGHT ADJUSTMENT

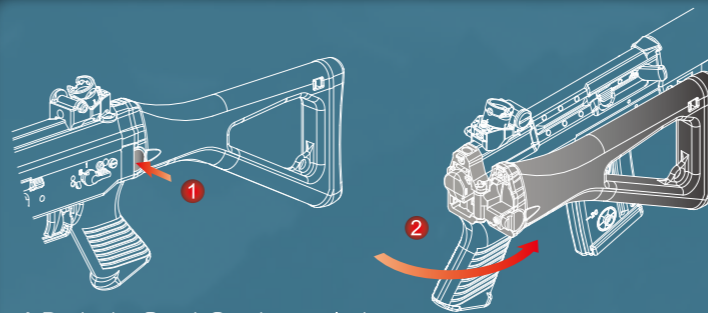
Turning clockwise: To correct the shots leaning to the right.
Turning counterclockwise: To correct the shots leaning to the left.



FLIP-UP NIGHT FRONT SIGHT

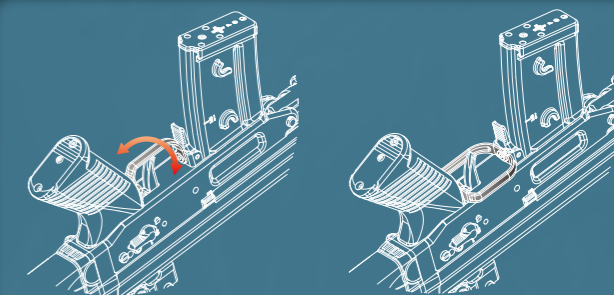


6mm Electric Semi / Full Auto System



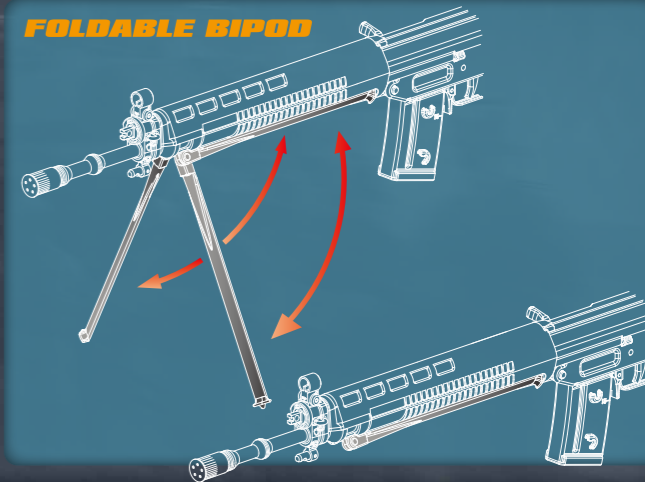
1. Push the Stock Catch to unlock.
2. Turn the Folded Stock to be latched on the hook.

FOLDING BUTT STOCK SET

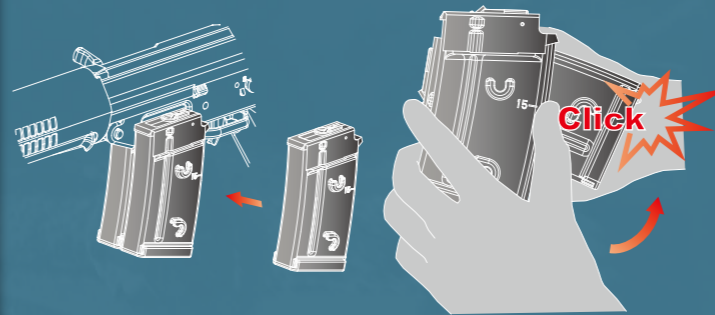


The Trigger guard can turn right or left

FOLDABLE BIPOD

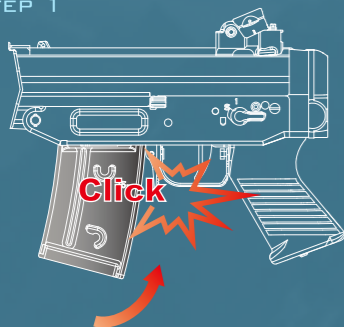


STACKABLE MAGAZINE



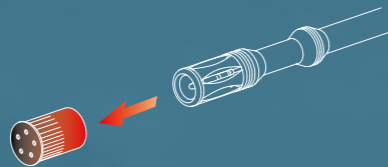


STEP 1



Make sure to install the magazine upwards and into the body. It had been installed properly when you heard a click sound.

STEP 2



Remove the protective cap only when you are ready for firing the gun.

STEP 3

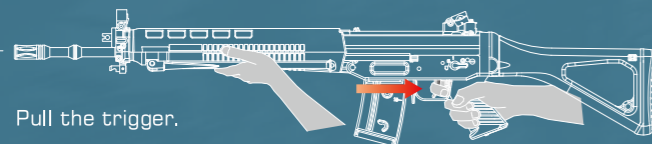


Set the Selector Lever to Semi or Full Auto.

CAUTION

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

STEP 4



Pull the trigger.

Activating the trigger carelessly is extremely dangerous. Never place your finger on the trigger unless the protective cap is removed and you are ready to shoot a target. Blank firing may occur when triggered, this is the normal operation of the gun.

1. After Operation

Remove the magazine, direct the muzzle into a safe direction then fire the gun in semi-auto mode for a few shots. Set the selector to the safe position. Always disconnect the battery and attach the protective cap whenever you do not operate the air gun.

2. Cautions on Motor and Battery

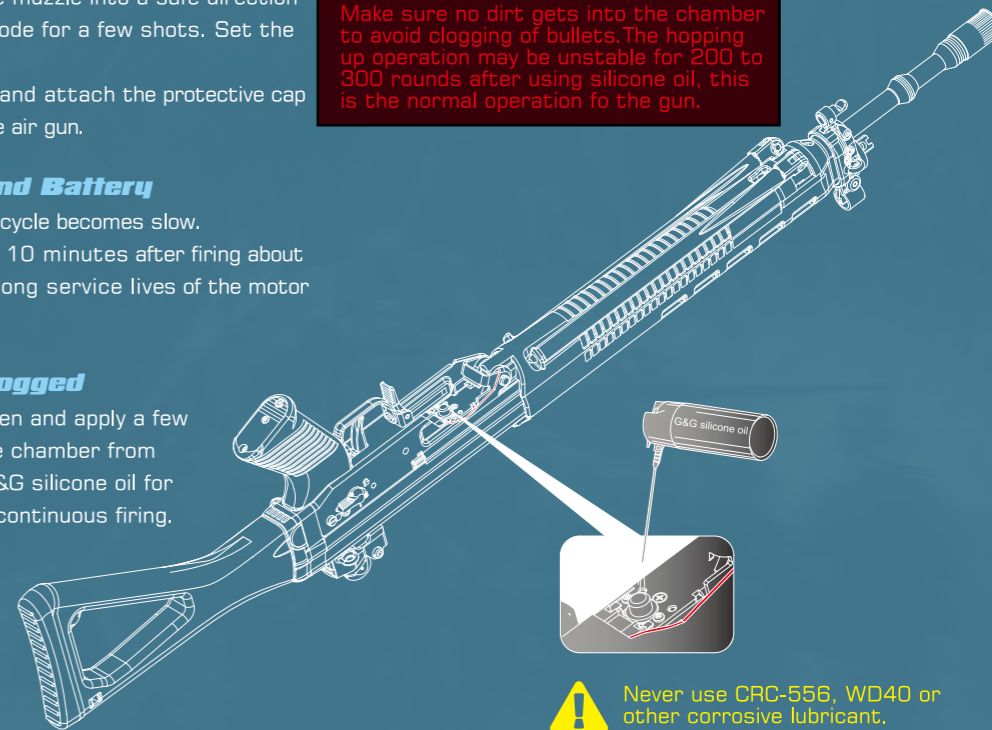
Charge the battery if the firing cycle becomes slow. Give the air gun a rest for 5 to 10 minutes after firing about 500 rounds, in order to ensure long service lives of the motor and battery.

3. When Bullets Are Clogged

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

WARNING

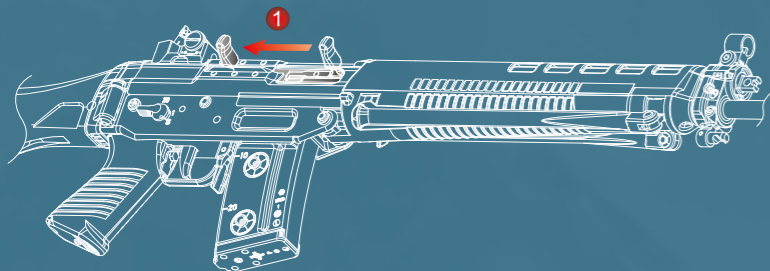
Make sure no dirt gets into the chamber to avoid clogging of bullets. The hopping up operation may be unstable for 200 to 300 rounds after using silicone oil, this is the normal operation for the gun.



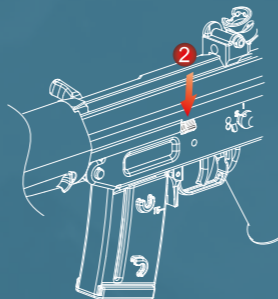
CAUTION Never use CRC-556, WD40 or other corrosive lubricant.



STEP 1 Pulling the Cocking Lever backward.

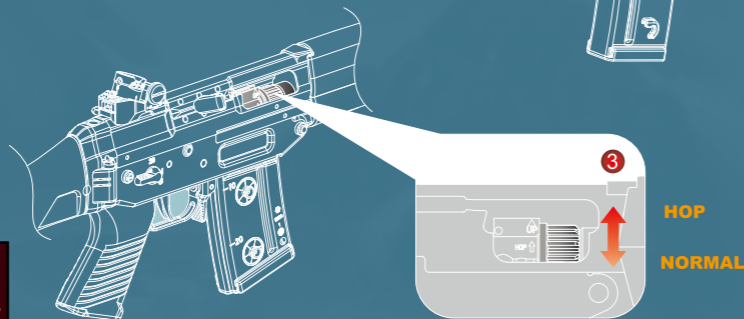


STEP 2 Push the Bolt Catch. Cocking Lever can be fastened rearward.



STEP 3

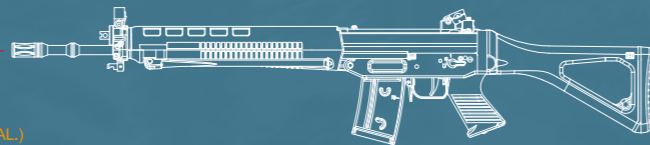
Turning hop-up dial for adjusting the ideal flight pattern of the BB pellet. The hop-up dial can only be turned a certain amount. Turning to much will damage the unit.



CAUTION

Be careful not to catch your fingers in the dummy bolt.

- Too much HOP-UP.(Return the lever toward NORMAL)
- Best position.
- Not enough HOP-UP.(Move the lever toward HOP.)
Or too much HOP-UP.(Return the lever toward NORMAL.)



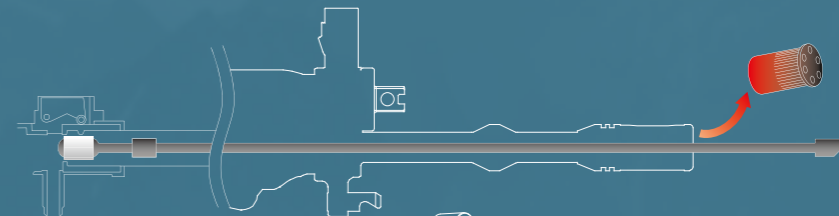
Never hold the gun sideways as the BB pellets will curve right or left. This is due to the HOP-UP system.



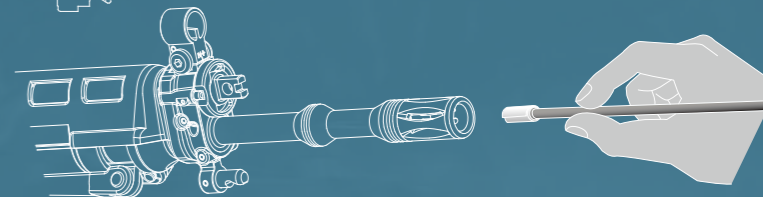
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MAINTENANCE WHEN BULLET SPEED BECOMES LOW

1. Drop a few drops of silicone oil or Teflon oil from the pellet entrance. After insert BB pellets into the magazine and fire pellets around to 200 or 300 pellets.



2. To complete the cleaning, use the cleaning rod (with cotton), to remove excess oil.

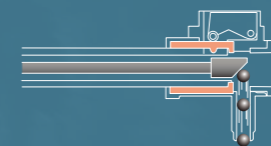


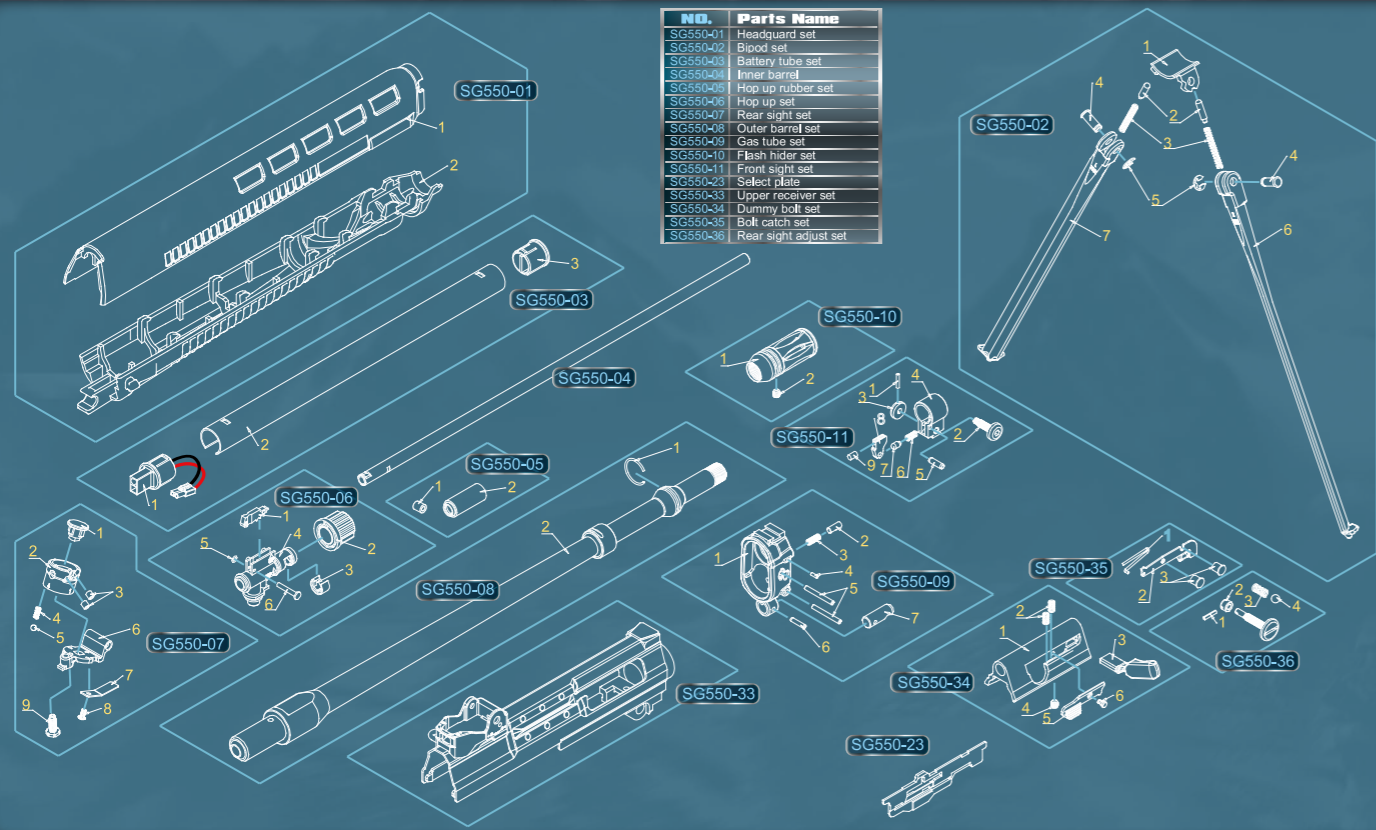
REMOVING CLOGGED BULLETS

1. Return the hop up dial to the Normal position and insert the cleaning rod from the lead edge of the barrel.



2. To remove clogged BB's, carefully insert the cleaning rod inside the barrel with the flat tip facing down as shown in the diagram.

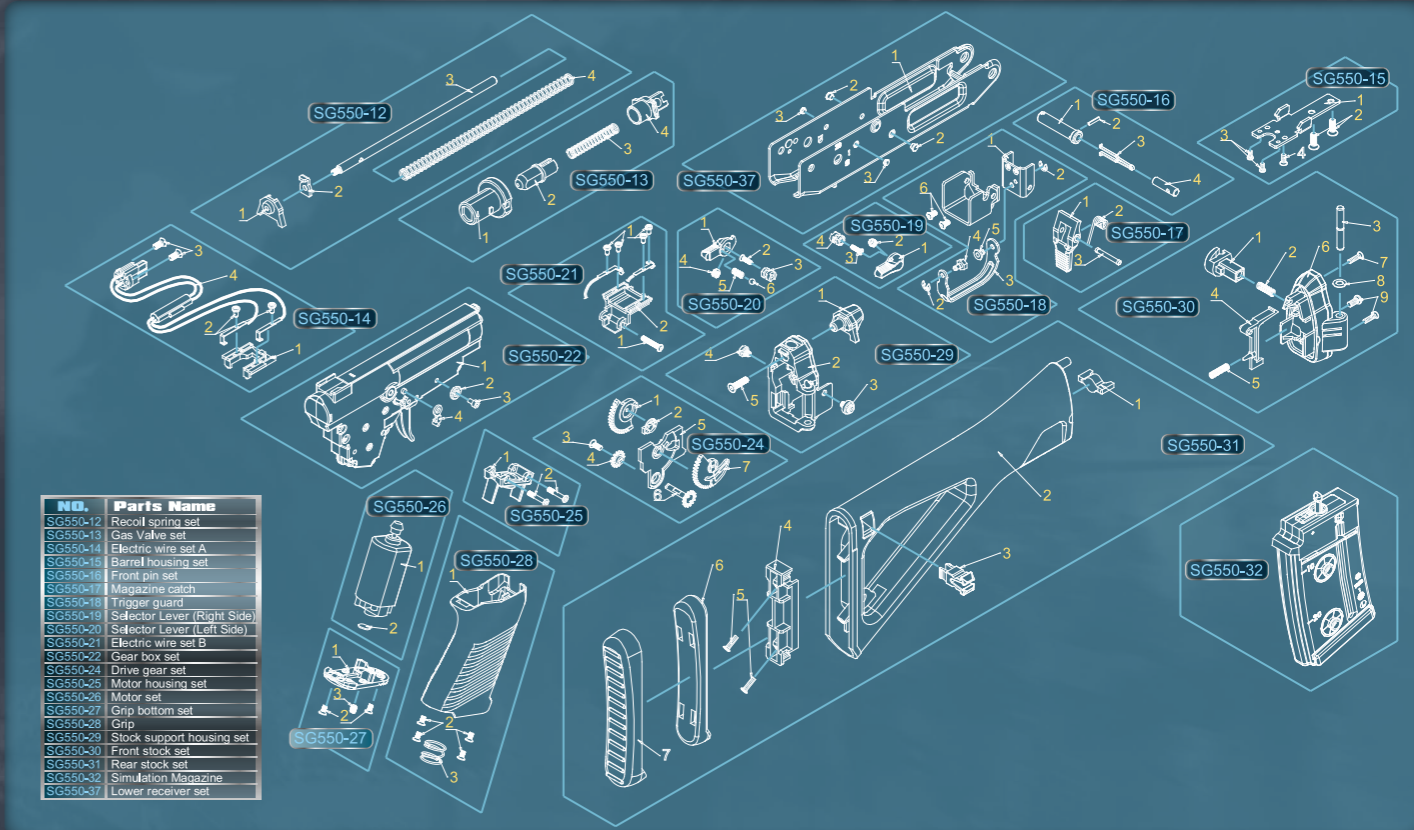




NO.	Parts Name
SG550-01	Headguard set
SG550-02	Bipod set
SG550-03	Battery tube set
SG550-04	Inner barrel
SG550-05	Hop up rubber set
SG550-06	Hop up set
SG550-07	Rear sight set
SG550-08	Outer barrel set
SG550-09	Gas tube set
SG550-10	Flash hider set
SG550-11	Front sight set
SG550-23	Select plate
SG550-33	Upper receiver set
SG550-34	Dummy bolt set
SG550-35	Bolt catch set
SG550-36	Rear sight adjust set



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NO.	Parts Name
SG550-12	Recoil spring set
SG550-13	Gas Valve set
SG550-14	Electric wire set A
SG550-15	Barrel housing set
SG550-16	Front pin set
SG550-17	Magazine catch
SG550-18	Trigger guard
SG550-19	Selector Lever (Right Side)
SG550-20	Selector Lever (Left Side)
SG550-21	Electric wire set B
SG550-22	Gear box set
SG550-24	Drive gear set
SG550-25	Motor housing set
SG550-26	Motor set
SG550-27	Grip bottom set
SG550-28	Grip
SG550-29	Stock support housing set
SG550-30	Front stock set
SG550-31	Rear stock set
SG550-32	Simulation Magazine
SG550-37	Lower receiver set



When a problem occasion please check the steps below, other problems please turn to your dealer or contact us.

SYMPTOM	POTENTIAL	CORRECTIVE
No operation at all	Selector lever is set to safety.	Set the selector lever to Semi or Full Auto.
	Battery is not charged.	Charge the battery.
	Battery connector is disconnected.	Connect the connector.
	The + and - of battery connector is reverse.	Connect the connector correctly(check the fause)
	Expired motor life (50,000 to 60,000 rounds) or poor electrical connection.	Replace the dead motor (can be purchased from local dealer or directly G&G). Check and repair the contacts.
Although motor is revolving, no pellet can be fired	Pellets are clogged inside the magazine.	Insert the charging rod into the magazine and move up and down a few times to remove clogged pellets.
	Pellets are clogged in the chamber.	Remove clogged pellets using the cleaning rod.
	Faulty gear.	Prurchase the replacement gear from your dealer or G&G and repair.
Impossible full-auto operation(automatic firing)	Insufficient battery power.	Charge the battery.
	Faulty pellet feed of magazine.	Repair clogging of the magazine.
	Poor electrical connection.	Consult your dealer or us for overhaul maintenance or repair.
Shooting distance becomes shorter	Damaged or worn chamber set.	Replace the replacement parts(Purchasing from your dealer or G&G)
	Damaged or worn piston set (O-ring,piston spring)	
	Something is jammed in the inner barrel	Use the cleaning rod and clean the inner barrel.
	Faulty BB pellets (too small or heavy)	Use the genuine G&G Pellets.
	Shrotage of silicone oil	Drops few drops of silicone oil from upper the chamber.
	Gear problem caused by too many blank firing	Consult your dealer or G&G for overhaul maintenance, part replacement (gear,etc.) or repair.
Worn or damaged gear		
Too loud operating noise	Gear problem caused by too many blank firing	Turn the hop adjustment lever toward Hop.
	Damaged or worn chamber set.	
Pellets being fallen out from barrel end	No hop setting.	Use the G&G Pellets.
	Faulty BB Pellets (too small or heavy)	
If gun gets wet	Stop operation immediately, disconnect the battery, wipe off water from inside the main body and the battery. After completely dry, carry out trial firing. If the unit is not operational, please contact your local dealer for repair.	

DISCLAIMER

- * Accessories pictured are not always included with product.
- * Adult supervision required for users under 18 years of age.
- * The purchaser and user should conform to all laws governing and ownership of airsoft guns.
- * All products in this manual are imitation firearms and are not intended nor represented to be comparable in design, appearance, or function to any actual firearm offered by other manufacturers.
- * Product names are trademarks of G&G, which has no affiliation to, and is not associated, or sponsored by any manufacturer of actual or imitation firearms. Products may vary form those pictured.



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MANUFACTURED BY G&G ARMAMENT

Please consult your dealer or G&G for overhaul maintenance and technical guidance.

DEALER

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