



## **OPERATIONAL & WARRANTY MANUAL**



## **A.S.G - 9**

## Contents

<b>Overview of A.S.G-9</b> .....	3
<b>Firearm specifications</b> .....	3
<b>Important safety information</b> .....	3
<b>Key features of the A.S.G-9</b> .....	4
<b>Cycle of operation</b> .....	6
<b>Designed rate of fire</b> .....	6
<b>Using the safety selector</b> .....	7
<b>Clearing the firearm (<i>making safe</i>)</b> : .....	7
<b>Shooting lead and jacketed ammunition</b> .....	7
<b>Pre-shoot checks</b> .....	7
<b>Service intervals</b> .....	8
<b>Maintenance</b> .....	8
Tools required .....	8
Basic disassembly .....	8
Cleaning .....	9
Lubricating .....	9
Barrel and chamber .....	9
Outside surfaces of firearm .....	9
Re-assembly of the firearm .....	9
<b>Trouble shooting</b> .....	10
Magazine will not lock in .....	10
Failure to feed .....	10
Light strike or misfire .....	10
Case rupture or bulge .....	10
Failure to eject .....	10
Safety will not engage .....	10
<b>Warranty</b> .....	11

## **Overview of A.S.G-9**

The Shawmac Industries Australia A.S.G-9 is a direct blowback right-handed lever release 9x19 (9mm) pistol calibre carbine rifle. Each shot requires manually using the lever before the rifle can chamber the next round. The A.S.G-9 has been built by Australian shooters, in Australia and for Australian shooters

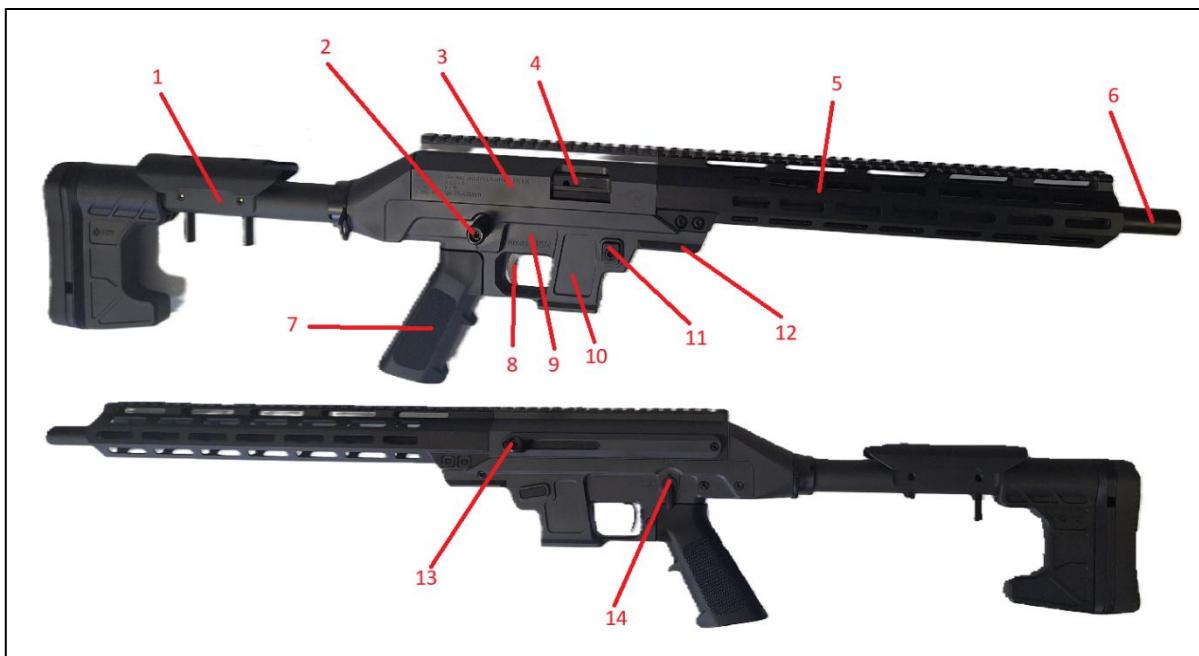
## **Firearm specifications**

- 9x19 (9mm) right-handed Pistol Calibre Carbine (PCC) rifle
- Direct blowback lever release
- 16" 1:10 twist chrome moly barrel with threaded muzzle (5/8x24)
- 3.35kg weight
- Overall length – 865mm
- ARCA rail, Full length PIC rail & M-LOC handguard
- Designed to take MAGPUL GL9 (G17) 9x19 Pistol Magazines
- Designed rate of fire – 1 round per second
- Australian NFID registration: F00029253
- Finishes – mixture of anodise, oxide and cerakote

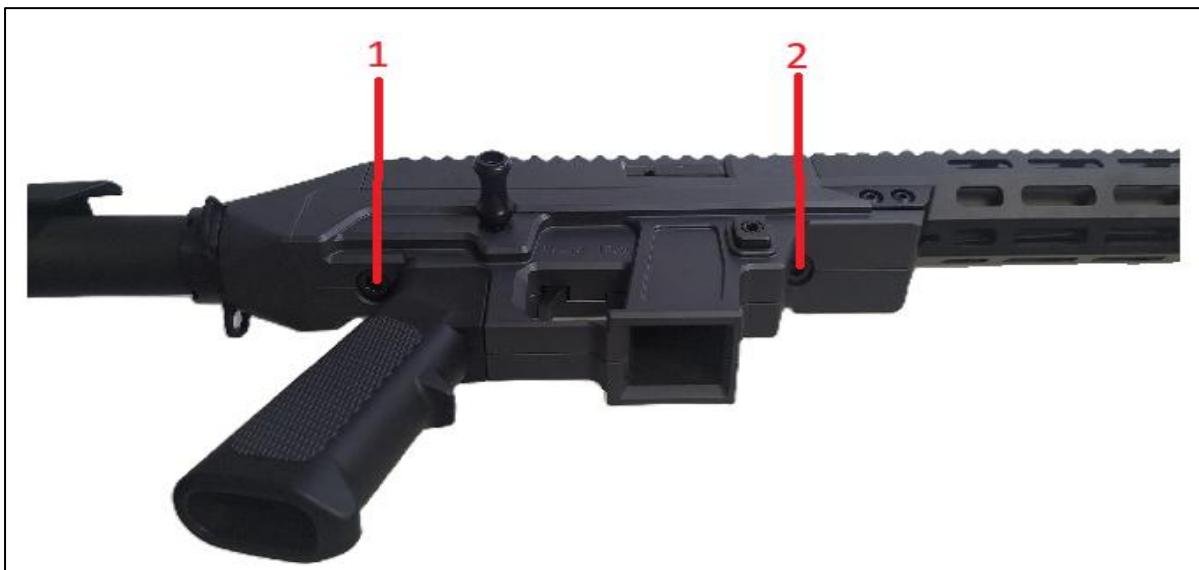
## **Important safety information**

1. Always point the firearm in a safe direction
2. Always treat the firearm as if it were loaded
3. Keep your finger off the trigger at all times unless you are ready to shoot the firearm
4. Clearly identify your target and ensure there is a safe fallout for the projectile
5. Never point the firearm at or in the direction of something you do not want to shoot
6. You must wear hearing protection and safety glasses that are rated for impact
7. The A.S.G-9 is a right-handed gun
8. Always use the firearm in a well-ventilated area
9. Lead contamination is a serious risk, wash your hands thoroughly after firing
10. The barrel may get hot and could cause significant burns if you touch it, avoid touching after shooting
11. Follow the 'cycle of operation' when using the firearm
12. Always clear the firearm when you are finished using it

### Key features of the A.S.G-9



1	Butt stock	8	Trigger
2	Bolt release	9	Lower receiver
3	Upper receiver	10	Magazine well
4	Bolt and ejection port	11	Magazine release button
5	Front handguard	12	ARCA rail
6	Barrel	13	Charge handle
7	Pistol grip	14	Safety selector



1	Rear action bolt	2	Front action bolt
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Upper and lower separated



Bolt, main spring and guide rod removed

## **Cycle of operation**

1. Point firearm in a safe direction
2. Open action using the non-reciprocating charge handle
3. Check chamber and barrel is clear
4. Load and insert magazine. You should feel and see the magazine catch is engaged. Pull magazine down against the magazine catch to confirm properly in place
5. Shoulder the firearm ensuring muzzle is pointed in a safe direction
6. With finger off the trigger push vertically down on the bolt release, the bolt should go forward and fully chamber a round
7. Take your finger off the bolt release entirely
8. Take aim and pull the trigger. The firearm will fire, eject the spent case and hold the bolt back
9. Take your finger off the trigger
10. Repeat steps 6 – 9 until magazine is empty.
11. The magazine when empty, or at any time, can be removed by pressing the magazine catch

## **Key notes:**

- Deliberately circumventing, altering or manipulating the cycle of operation as described above may adversely affect the reliable and safe functioning of the firearm. This is not a fault of the firearm and is avoidable by following the described cycle of operation.
- Full chambering of ammunition can be affected by the type of ammunition (e.g. if not correctly sized), fouling of the firearm from not being clean, upwards pressure of the magazine or at times other factors. It is important to confirm that each round is fully chambered before each discharge.

## **Designed rate of fire**

The firearm has been designed with the intended ROF (rate of fire) to be 1 round per second. When operated in line with the outlined ‘cycle of operation’ it will perform reliably & as intended.

The A.S.G-9 is not an interrupted semi-automatic firearm and is not built with the bolt, trigger or other key features and geometries to reliably cycle at a faster rate of fire, e.g. like that of a semi-automatic firearm. Whilst it may be possible to cycle the firearm faster than the above ROF this may lead to unreliability, damage to the firearm & risk operator safety.

## Using the safety selector

The safety selector can only be used when the bolt is either back or the firearms hammer is engaged. It is a 90-degree rotational system that operates as it points to either 'safe' or 'fire'.

When the safety system is pointing towards 'safe' position the trigger is blocked meaning it can not be pulled and release the hammer

When the safety system is pointing towards the 'fire' position the trigger is not blocked meaning it can be pulled which will release the hammer and cause any chambered round to be discharged.

Using snap caps and whilst pointing the firearm in a safe direction users should familiarize themselves in a simulated environment for how the safety system works.

## Clearing the firearm (*making safe*):

1. Keep the firearm pointed in a safe direction
2. Take your finger off the trigger
3. Using the charge handle open the action until it locks open
4. Visually inspect chamber and confirm empty
5. Using the magazine release remove the magazine
6. Place a chamber flag into the action and place firearm in a safe location
7. If ammunition is still in the magazine remove until empty

In the event of a misfire:

- Keep the firearm pointed in a safe direction
- Wait 30 seconds
- Follow steps 1 – 7 above to clear the firearm

## Shooting lead and jacketed ammunition

The A.S.G-9 is fitted with a 16" 1:10 twist barrel. Whilst the use of lead projectiles is possible their use will generate excessive fouling of the barrel. For this reason, if you shoot lead projectiles it is essential to remove all lead fouling from the barrel before again shooting jacketed ammunition. Failure to remove lead fouling from the barrel risks permanently damaging the barrel which will not be covered by warranty.

## Pre-shoot checks

1. Point firearm in a safe direction
2. Clear and make firearm safe (*bolt open, chamber empty and magazine removed*)
3. Make sure the chamber and barrel is clean
4. Check all working surfaces are lubricated

5. Check the following for correct functioning:
  - a. Charge bar pulls bolt back to the lock position and then returns to its home position
  - b. Check the safety selector works
  - c. Check the magazines fits, locks in and can be removed via pushing the magazine release button
  - d. Check the bolt is release after pressing the bolt release and that the bolt travels all the way forward under its own momentum

### **Service intervals**

Cleaning and servicing should be done regularly and by preference after each use. The nature of the blow-back firing action will require regular thorough cleaning to minimize wear and maintain reliable functioning

As a general rule the firearm should be thoroughly inspected, cleaned and lubricated every 500 rounds

Regular inspection of bolt catch, bolt, moving parts, running surfaces and the remainder of the firearm is critical and if abnormal wear is identified you should contact Shawmac Industries Australia Pty Ltd for guidance.

### **Maintenance**

#### Tools required

1. 6mm Alan key
2. Bore snake (supplied) or equivalent
3. Gun cleaning solution/solvent
4. Clean rag
5. Gun oil/lubricant

#### Basic disassembly

1. Pointing the firearm in a safe direction confirm the firearm is clear
2. Close the bolt/action
3. Using a 6mm Alan key remove the two actions bolts from the underside of the lower assembly.
4. Separate the upper from the lower
5. Using the 6mm Alan key remove the main spring and guide rod from the back of the upper. The main spring is under constant load, always point away from yourself and any other person when removing
6. With main spring and guide rod removed the bolt can be taken out

## Cleaning

Using a brush, rag or other suitable option and cleaning solution/solvent all surfaces, interfaces, parts and other should be thoroughly cleaned to remove any dirt, debris, carbon buildup or other. Soft brushes, rags or other should be used to avoid scratching and testing of any solvents on an inconspicuous area first is recommended in case of adverse reactions.

## Lubricating

Before lubricating all surfaces should be clean and dry

Apply a light film of lubricant to contact surfaces, including the bolt, upper, lower, catch assembly, trigger pivot points and charge handle surfaces.

## Barrel and chamber

Using the supplied pull through or other barrel/chambering equipment the barrel and chamber should be thoroughly cleaned. It is critical that any oils, lubricants or other obstacles are removed from the chamber and barrel before using the firearm.

If you are going to store the firearm for anytime it is recommended to apply a light film of oil for protection but it is critical that this is removed before the next use.

## Outside surfaces of firearm

All surfaces should be wiped clean and then a thin film of oil should be applied after handling to prevent the risk of corrosion

## Re-assembly of the firearm

1. Insert bolt into firearm
2. Insert guide rod and spring into upper and through bolt. Tighten lightly
3. With your hand cock the hammer on the lower (if not already done)
4. Insert the upper onto the lower
5. Insert front and rear action bolts and tighten firmly
6. Ensuring firearm is clear and facing in a safe direction perform a basic function test. Using the charge bar handle the bolt should be pulled back and catch. By using the bolt release handle the bolt should progress forward under the main spring pressure. Finally check the safety selector works.

## Trouble shooting

### Magazine will not lock in

- Magazine is either incorrect, not compatible or damaged - *replace magazine*
- Magazine catch spring is damaged or debris is blocking normal functioning – *inspect and clean, if damaged seek manufacturer guidance for replacement parts*

### Failure to feed

- Chamber is dirty/fouled – *Clean thoroughly*
- Ammunition is incorrect or not to specification – *replace ammunition*
- Magazine not seated correctly – *check and correct magazine*
- Main spring guide is too tight – *loosen main spring guide bar*

### Light strike or misfire

- Poor ammunition – *replace/try alternate ammunition*
- Chamber is dirty/fouled – *Clean thoroughly*
- Jammed or blocked firing pin – *inspect, clean and or replace if required*
- Incorrect cycle of operation impacting proper feed and chambering – *Follow cycle of operation*

### Case rupture or bulge

- Ammunition has not fully chambered – *inspect ammunition, replace or substitute*
- Incorrect cycle of operation impacting proper feed and chambering – *Follow cycle of operation*
- Poor ammunition – *replace/try alternate ammunition*
- Incorrect magazine or poorly fitted magazine holding action open – *check and/or replace magazine*
- Holding or placing pressure on magazine affecting correct chambering – *do not hold or lean on the magazine*

### Failure to eject

- Chamber is dirty/fouled – *Clean thoroughly*
- Extractor is broken – *Inspect and if broken seek replacement part*
- Ejector is broken – *Inspect and if broken seek replacement part*

### Safety will not engage

- Hammer is not engaged – *cycle action and re-assess. If problem persists consult the factory*
- Safety is stuck/jammed – *inspect and thoroughly clean*

### **Warranty**

The A.S.G-9 Warranty period is for 2 years from the date of dispatch from our factory. The scope of the warranty and the application period is limited to defects in materials and workmanship. The warranty includes the repair or replacement of the firearm at the manufacturer's discretion. The warranty does not include scratches, dents, normal wear and tear, damage or reliability issues resulting from misuse, improper use or lack of maintenance and cleaning. The warranty also extends to the use of standard factory ammunition only. All warranty claims are at the discretion of the manufacturer. The manufacturer will cover the return cost of shipping (*excluding any dealer or packaging costs*) the firearm if a warranty claim is accepted.

**-END-**