

# SIX9/45

## OPERATOR MANUAL



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### EYE PROTECTION MUST BE WORN!



SAFETY GOGGLES MUST BE WORN WHEN DISASSEMBLING AND REASSEMBLING THE GUN. PARTS CAN GET INTO THE EYES IF HANDLED INCORRECTLY.

### EAR PROTECTION MUST BE WORN!



SUITABLE HEARING PROTECTION MUST ALWAYS BE WORN WHEN SHOOTING WITH A FIREARM.

## Related documents:

Parts catalogue .....	-
Service Manual .....	-

### ADVICE!



This operator manual covers the SIX9 / SIX45. Due to continuous efforts to improve the weapon, it is possible that certain descriptions in this manual may differ from the actual weapon.

## Abbreviations

POA:	Point of Aim
POI:	Point of Impact
MPI:	Mean Point of Impact
Left / right side:	Defined looking in firing direction.

## 1. General rules

READ MANUAL BEFORE USE.

### 1.1 Safety rules

1. Consider every weapon loaded until checked personally by the individual operator.
2. Always keep fingers off the trigger and outside the trigger guard until the sights are on target.
3. Always point the weapon in a safe direction.
4. Verify your target and the backstop.
5. Before firing always verify the serviceability and condition of both the weapon and ammunition.
6. Hearing and eye protection are mandatory..

### SAFETY ADVICE!



Defects that can be traced back to the use of non NATO, SAAMI or CIP ammunition (especially reloaded cartridges) are not covered by the guarantee!

7. Be sure to use NATO, SAAMI or CIP certified cartridges of correct caliber only.
8. If a cartridge fails to ignite, keep the muzzle pointed in a safe direction and open the chamber only after a minimum of 30 seconds.
9. Live fire training should be carried out in open or well-ventilated areas to prevent excessive exposure to toxic gases.
10. Operate your weapon consciously and do not use excessive force.

### 1.2 Maintenance rules

1. The weapon is to be cleaned after each deployment or firing.
2. Any malfunctions are to be reported to the unit armorer or manufacturer.
3. The weapon is to be presented to the unit armorer for inspection after each mission or a minimum of once per year.

## 2. Technical Specifications

### 2.1 Overview - SIX9 / SIX45



### 2.2 General description

The weapon is a manually operated handgun with box magazine (repeating pistol). The breech is rotating with two locking lugs and a 90° angle of opening. The trigger is a striker single action where the striker is cocked when closing the breech. A manual safety is acting on the sear.

The weapon can be stripped without tools in below listed two components:

- Firing unit
- Magazine

The stand-alone firing unit is able to fire.

### 2.3 Technical data

Designation	SIX9 / SIX45	Overall length	176 mm / 6.92 in
Manufacturer	B&T AG - Switzerland	Overall width	34 mm / 1.33 in
Product ID	BT-410111 / BT-410110	Overall height	142 mm / 5.59 in
Caliber:	9x19 mm / .45 ACP	Weight	ca. 920 g
Magazine capacity	9x19 mm - 9 rounds .45 ACP - 5 rounds	Sights	Pistol style fix sights, rear sight adjustable for windage
Rifling	6 grooves, right hand	Sight radius	125 mm
Barrel length	80 mm / 3.14 in		

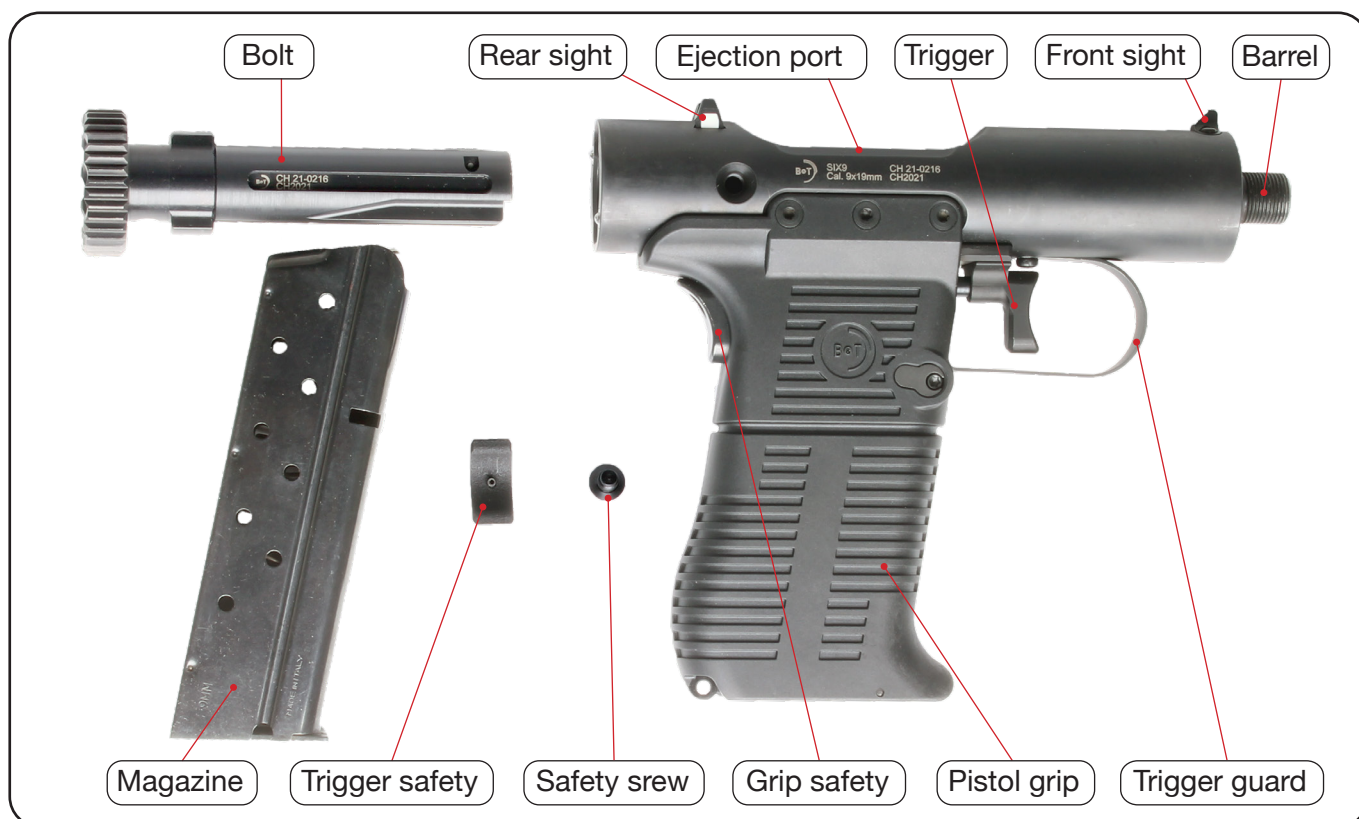
Technical data are provided for information only and shall not serve as acceptance criteria.

### 3. Nomenclature




#### 3.1 Weapon complete



#### 3.2 Weapon disassembled



## 4. Handling and operating procedures

SAFETY ADVICE!	
	THE SIX9/SIX45 IS A SPECIALIZED WEAPON TO FIRE A ROUND AS QUIET AS POSSIBLE. IT IS NOT DESIGNED FOR FAST REPETITIVE SHOTS. OPERATE THE WEAPON WITH CAUTION AS DESCRIBED IN THIS MANUAL
SAFETY ADVICE!	
	ALWAYS KEEP THE FINGER OFF THE TRIGGER WHILE HANDLING!
SAFETY ADVICE!	
	MAKE SURE THE GRIP SAFETY IS ENGAGED BY A PROPER GRIP AS OTHERWISE THE BOLT WILL JAM AND MIGHT BE DAMAGED



### 4.1 Clearing weapon & Operating magazine catch

- Press the magazine catch and pull the magazine downward out .
- Rotate the bolt operating handle 90° counterclockwise and pull the bolt rearwards to the fully open position.
- Inspect the chamber visually and physically to be clear.





## 4.2 Loading and unloading weapon


### 4.2.1 Loading weapon

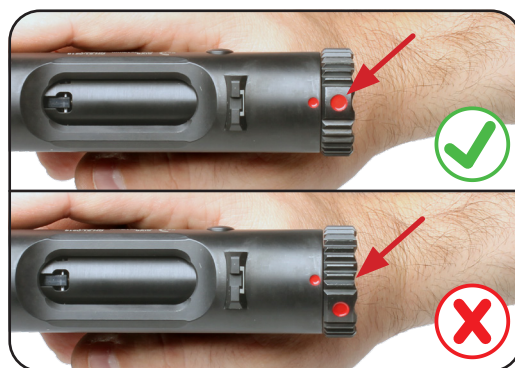
- Clear the Weapon (see chapter „4.1 Clearing weapon & Operating magazine catch“ on page 6).
- Fill the cartridges one by one into the magazine.
- Insert the magazine until the magazine catch snaps audibly.




- Push the bolt operating handle in one fluent motion to fully closed position and rotate the bolt operating handle 90° clockwise until the red marks align.



SAFETY ADVICE!	
	WHENEVER CLOSING THE BOLT, MAKE SURE THE BOLT OPERATING HANDLE IS IN CORRECT POSITION WITH ITS RED MARK ALIGNED TO THE RED MARK ON THE RECIEVER.



Advice	
	Load the SIX45 magazines (provided an after-market) with a maximum of 5 rounds only otherwise feeding malfutcions may occur.



### 4.3.1 Unloading the weapon

- a. Remove the magazine (see chapter „4.1 Clearing weapon & Operating magazine catch“ on page 6).




- b. Rotate the bolt operating handle 90° counterclockwise and pull the bolt rearwards to the fully open position (see chapter „4.1 Clearing weapon & Operating magazine catch“ on page 6).


» *The extracted cartridge will fall through the weapon's grip.*

- c. Recover the loose cartridge.



### 4.3 Firing the SIX9 / SIX45

SAFETY ADVICE!	
	REFER TO CHAPTER „1.1 SAFETY RULES“ ON PAGE 3

Advice	
	Make sure the grip safety is engaged by a proper grip as otherwise the weapon won't fire



- a. Load the Weapon (see chapter „4.2.1 Loading weapon“ on page 7).
- b. Apply a proper firing position.
- c. Aim on target and pull the trigger until the shot is released.

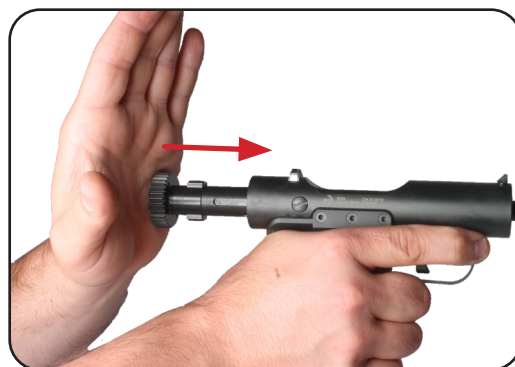




- d. Extract the spent case by rotating the breech operating handle 90° counterclockwise and pulling the bolt with a swift motion rearwards to the fully open position while tilting the weapon at least 90 degrees to one side, allowing the extracted case to fall out of the weapon.



- e. Load the next cartridge by pushing the breech in one fluent motion to fully closed position and rotating the bolt operating handle 90° clockwise until the red marks fit.

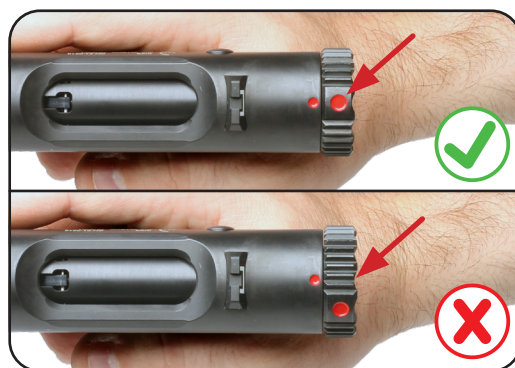


SAFETY ADVICE!	
	WHENEVER CLOSING THE BOLT, MAKE SURE THE BOLT OPERATING HANDLE IS IN CORRECT POSITION WITH ITS RED MARK ALIGNED TO THE RED MARK ON THE RECIEVER.

SAFETY ADVICE!	
	THE TRIGGER STAYS BLOCKED IF THE RED MARKS DON'T FIT THUS IF THE BOLT IS NOT FULLY LOCKED.

SAFETY ADVICE!	
	ADDRESS TO AN ARMOURER IF THE SERVICE-ABILITY OF SUPPRESSOR SEEMS DOUBTFUL!

Advice	
	Refer to chapter „5.4 Functional check“ on page 13 in case of malfunctions



## 5. Maintenance procedures

### 5.1 Disassembly

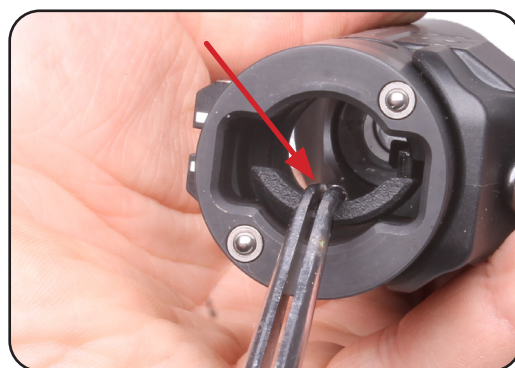
- a. Unload and clearing the weapon (see chapter „4.1 Clearing weapon & Operating magazine catch“ on page 6).
- b. If installed, unscrew the suppressor by counterclockwise rotation (in firing direction) and remove it.
- c. Unscrew the safety screw counterclockwise with a fitting slotted screwdriver and remove it.




- d. Remove the bolt operating handle rearwards.



- e. Remove the trigger safety with tweezers.



- f. The weapon is now disassembled.

Advice	
	The suppressor attachment is a left hand thread



## 5.2 Cleaning and inspections

- Use a cleaning rod of suitable length with a copper brush to clean the barrel from the rear side.
- Use a small brush to remove particles captured in the cavities.
- Use an oiled rag to wipe clean all accessible surfaces.
- Inspect all components and accessible parts for cracks, deformations or other signs of deterioration.
- Apply a slight film of oil to all accessible surfaces of steel parts.



### SAFETY ADVICE!

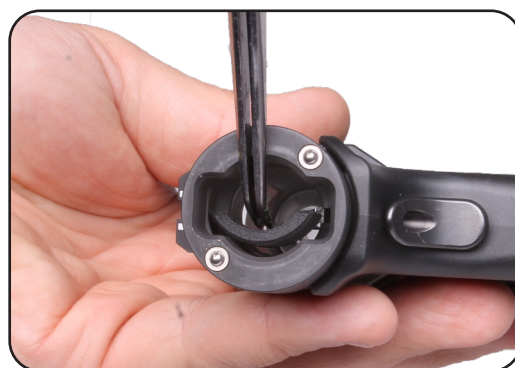


ADDRESS TO AN ARMORER IF THE SERVICE-ABILITY OF THE WEAPON SEEMS DOUBTFUL



## 5.3 Reassembly

- Hold the housing in your hand so that the rear sight is oriented at 09:00.
- Insert the trigger safety with a pair of tweezers into the groove in the housing and press it tightly.
- Align the trigger safety in the lower half of the housing.




- d. Align the groove in the bolt with the pin in the trigger safety and insert the bolt into the housing.



- e. Install the safety screw using a fitting slotted screwdriver.



SAFETY ADVICE!	
	DO NOT USE AN AFTERMARKET SUPPRESSOR, WHEN YOUR PISTOL IS SETUP FOR THE USE WITH A B&T SUPPRESSOR (PORTED CHAMBER). DAMAGE TO THE GUN AND/OR SUPPRESSOR AND SERIOUS INJURY TO THE SHOOTER AND/OR BYSTANDERS MAY OCCUR.





## 5.4 Functional check

- a. Insert magazine until the magazine catch snaps audibly in and pull the magazine slightly downward » Magazine shall stay in place.
- b. Clear weapon according to section (see chapter „4.1 Clearing weapon & Operating magazine catch“ on page 6).
- c. Pull the magazine slightly downward » Magazine shall stay in place.
- d. Push the magazine catch and hold it while pulling the magazine downward » Magazine shall come free.
- e. Repeat c and d with all available magazines
- f. Push the bolt operating handle to its fully closed position and rotate the bolt operating handle approx. 60° clockwise. Apply a firm grip pressing the safety with the web of the hand, pull the trigger and hold » striker shall not strike.
- g. Release the trigger and rotate the breech operating handle 90° clockwise until the red marks fit » shall lock firmly.
- h. Pull the trigger without touching the grip safety » striker shall not strike.
- i. Press grip safety and release » shall run smoothly its full travel and back.
- j. Apply a firm grip pressing the safety with the web of the hand, pull the trigger and hold » striker shall strike audibly.
- k. Release pull on trigger » shall travel back to foremost position.
- l. Rotate the bolt operating handle 90° counterclockwise and pull the bolt rearwards to fully open position » operation shall be smooth and easy, bolt shall not come loose.



If any function fails, disassemble the weapon, check for defective parts, reassemble the weapon and check for correct reassembly. If the failure persists, refer to armorer.

## 6. Accessories

### 6.1 Magazines

Picture	Art.-No.	Description
	BT-770146	Magazine Colt 1911 cal. 9 mm 9 rounds
	BT-770145	Magazine Colt 1911 Cal. .45 ACP 5 rounds limited

### 6.2 Maintenance

Picture	Art.-No.	Description
	SC-99B/6	Cleaning rod extension
	SC-65B	Copper brush 9 mm



### 6.3 Suppressor

Picture	Art.-No.	Description
	SD-122950	Suppressor B&T VP9 Suppressor with whips
	SD-123158	Suppressor B&T VP9 Suppressor with baffles
	SD-122951	Suppressor B&T VP45

## **7. Warranty statement**

Warranty claims on behalf of the Client are to be explicitly declared as such. During the legal warranty period, B&T provides warranty cover solely for defects that arise as a result of faulty materials, construction errors or poor workmanship. If a warranty claim is justified, B&T will, at its own discretion, either repair or replace the defective good. Costs incurred in transporting the defective good to B&T are borne by the Client. Spare parts fitted and replaced become the property of B&T.

Inasmuch as is legally permitted, any other liability of B&T is excluded, in particular liability for damages arising either directly or indirectly from the delivered good itself, from its use or from its defects

Merchandise is covered by the warranty provisions of the manufacturer. Parts that are naturally subject to wear and tear, damage arising from insufficient maintenance work, noncompliance with operating regulations and cases of force majeure are all excluded from warranty cover. Warranty claims lapse if the Client itself or third parties alter or repair the delivered good without the prior written consent of B&T. All product specifications are subject to change without prior notice. Published data are mean values and therefore not suitable acceptance criteria.

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