



PHOENIX

SWISS MADE

OPERATOR'S MANUAL



PHOENIX FUSION

STANDARD | TACTICAL | COMPACT





WARNING

This manual does not consider warnings in respect to US-product liability!

For use in the USA please order a User Manual from:

PHX Phoenix AG

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WARNING

Read and follow the safety instructions before handling the pistol! (pages 5–8)!

- **Observe and respect at all times all notes and safety instructions regarding handling and operation. Disregarding can cause danger to life and limb.**

FIND MORE INFORMATION ON WWW.PHX.SWISS

You can download the current edition of this operator's manual as a PDF at any time on our website www.phx.swiss

Additionally our website offers relevant supplements and amendments to this operator's manual as well as useful tips and tricks, technical data sheets, answers to the most frequently asked questions (FAQ) and video tutorials.

Self loading pistol «PHOENIX FUSION»

Cal. 9 x 19 mm (9 mm Para / 9 mm Luger) or Cal. 9 x 21 mm





CONTENTS

Page

Page

About this operator's manual	4	Firing in single action mode	18
Signs and symbols	4	Decocking	18
Exclusion of liability and warranty	4	Firing in double action mode	18
 Basic safety instructions	5	Reloading when magazine is empty	19
Operator's manual	5	Unloading the pistol when magazine is NOT empty	19
Safety instructions for the handling of pistols	5	Unloading the pistol when magazine is empty	19
Safety features	6	Disassembly of the pistol	20
Safety instructions for drop safety	6	Reassembly of the pistol	20
Malfunctions	6	Cleaning and Maintenance	22
Unusual stresses	7	Cleaning materials	22
Safety instructions for firing	7	Normal / Major cleaning	22
Handing over the weapon	7	Magazines and Grips	23
Storage, transport and disposal	7	Magazine	23
Technical safety instructions	8	Disassembly / Reassembly of the magazine	23
Use of accessories	8	Changing the grips	23
Preliminary notes	8	Adjustment of sighting/optics	24
Scope of delivery	9	Maintenance	25
Technical data	10	Checking the buffer	25
Operating controls, designations, variants	11	Replacing the buffer	25
Components of the pistol	12	Malfunctions and errors; Cause and elimination	26
Checking the pistol	13	Trouble shooting and how to solve malfunctions	26
Checking before use	13	List of parts	28
Checking after use	13	PHOENIX FUSION (ST) Standard SA/DA with decocking lever	28
Functional tests for PHOENIX FUSION pistol with decocking lever	13	«SA/DA»-Variant with manual safety	28
Functional tests for PHOENIX FUSION pistol with manual safety	14	«SA only»-Version with manual safety	28
Functional test of the firing pin safety	15	Drawing of PHOENIX FUSION (ST) Standard «SA/DA» with decocking lever	29
Functional test of the smooth operation of the firing pin	15	Necessary information to order spare parts	29
Handling and operation	16	Order address	29
Principles of handling and operation	16	Fired rounds log	30
Preparation for shooting	17	Notes	31
Filling and emptying the magazine	17		
Loading the pistol	17		
Loaded chamber indicator	17		





ABOUT THIS OPERATOR'S MANUAL

This operator's manual is dedicated to persons who are authorized to use the described weapon. This operator's manual describes the construction, the function and the handling of the pistol. To understand this operator's manual basic knowledge about the technical rules of shooting and firearms is indispensable. **WARNING: This operator's manual cannot replace proper shooting instruction and training!**

SIGNS AND SYMBOLS

Important information and technical notes are marked as follows:

Symbol	Meaning
 DANGER	Imminent danger! Hazardous situation which, if not avoided, will result in death or serious injury!
 WARNING	Potential danger! Hazardous situation which, if not avoided, could result in death or serious injury!
 CAUTION	Dangerous situation! Hazardous situation which, if not avoided, could result in minor or moderate injury!
ATTENTION !	Situation which, if not avoided, could result in damage of the weapon and/or other material.

EXCLUSION OF LIABILITY AND WARRANTY

The PHX PHOENIX AG does not assume any liability and provides no warranty for incidents due to:

- disregarding this operator's manual or non-compliance with this operator's manual and/or wrong/incorrect handling of the pistol.
- negligence, improper treatment or improper or illegal use of the pistol.
- any modifications, attachments to or conversion of the weapon and/or the use of accessories or spare parts from other manufacturers without the express written consent of PHX PHOENIX AG.
- the use of non factory loaded (self loaded) cartridges, damaged cartridges, cartridges of wrong calibre or of +P+ ammunition.
- inadequate care, maintenance and cleaning as well as all influences that cannot be controlled directly or immediately by PHX PHOENIX AG.





BASIC SAFETY INSTRUCTIONS



WARNING

Always follow the subsequent safety instructions!

- ***Observe at all time all safety instructions and notes regarding handling and operation. Disregarding can cause danger to life and limb.***

PHOENIX FUSION pistols have been designed, manufactured and inspected according to the latest technical knowledge and the recognised safety-related technical rules and regulations. Nevertheless, the use of the pistols may result in injury or death of the user and third parties, or damage to the weapon and/or other material property.

- Follow all the instructions in this operator's manual. Non-compliance may result in injury or death.
- Never handle the weapon if you are tired, feeling unwell, or when you have previously consumed alcohol, drugs or any type of medicine.
- Always follow the instructions provided by their respective manufacturers when using accessories and ammunition.
- Always follow all valid provisions for handling weapons, accessories and ammunition.

Operator's manual (OM)

- The OM is an integral component of the weapon. Keep the OM for the entire service life of the weapon and pass the OM to any subsequent operator or owner.
- Do not use the weapon until you have read and understood this OM completely.

Safety instructions for the handling of pistols

- Special care must be taken when handling pistols, because the position and direction of the weapon can be changed very easily.
- Use the weapon only for its intended purpose. Do not use the weapon as a club, hammer, pry bar, etc. Using the weapon for other than its intended purpose may result in accidental discharge of weapon or damage to the weapon.
- Always treat the weapon as if it is loaded and ready to fire until you have performed a personal safety check.
- **Before handling, in case of trouble and before cleaning, ascertain**
 - **whether the pistol is unloaded (cartridge chamber free),**
 - **whether the barrel is free of obstructions and**
 - **whether the magazine is empty.**





- Use the weapon only if it is in perfect technical condition.
- Do not «play» with the pistol. A weapon is not a toy!
- Never point the weapon at people, animals or anything else you do not want to destroy. Always point the weapon in a safe direction.
- Make sure that the weapon is always unloaded when it is handled for purposes other than loading or firing.
- Keep your finger(s) off the trigger when loading, unloading, aiming, drawing or handling the weapon in any other way.
- Always place your trigger finger on the outside of the trigger guard.
- Never use force when handling, disassembling, cleaning and reassembling the weapon.

Safety features

- Never rely on safety features. Safety features are no substitute for careful, correct and safe handling of the pistol.
- For pistols with safety lever (manual safety), make sure that the safety lever is always clicked to the «Safe»-position.

Safety instructions for drop safety

- Drop safety is affected by many factors, such as: fall height/ angle, ground, type/ frequency of impact, handling and treatment of the weapon, loading and safety status of the weapon, accessories and equipment configuration of the weapon and the ammunition used. Regardless of a weapon's manufacturer or model, absolute drop safety is not possible and can only be checked based on defined test parameters.
- Make sure that the weapon is always unloaded when it is handled for purposes other than loading or firing.
- Always ensure for weapons with a safety lever that the safety lever is not put to the «Fire» position earlier than immediately before firing.
- Set the safety lever to the «Safe» position during every pause in firing.

Malfunctions

- Users are strictly prohibited from troubleshooting faults that go beyond the scope of this operator's manual! Only authorised specialists may rectify mechanical faults in the weapon.
- Always treat the weapon as if it were loaded in the event of a malfunction.
- Immediately rectify any faults/malfunctions that compromise safety. If rectification is impossible, stop handling the weapon until a specialist has been able to repair the weapon.
- Disassemble the pistol only as far as described in this manual.
- In case of faults/errors/malfunctions that you cannot solve by your own or that go beyond the scope of this operator's manual hand over the weapon to the manufacturer or to authorised specialists/trained firearms personnel for inspection/repair.





Unusual stresses

- Exposure to unusual/exceptional stresses such as when the weapon is banged or dropped can have a negative effect on safety. After exceptional stresses, have the weapon inspected by the manufacturer or trained firearms personnel.

Safety instructions for firing

- Always wear hearing protection when firing the pistol.
- Always wear eye protection when using or firing the pistol.
- Do not grasp over the muzzle and always keep the muzzle area clear when firing.
- After firing wear protective gloves when touching the barrel or other parts of the pistol which heat up during firing.
- Only use properly loaded, undamaged cartridges of the correct calibre (*refer to the additional instructions given on page 16*).
- Do not shoot at doors, panes of glass, walls, concrete, stone, or smooth surfaces (including water). A bullet can penetrate these objects or can be deflected in an unsafe direction.
- Pull the trigger only if the weapon sights are pointing at the intended target and if you are sure that the areas between you and the target, beside the target and behind the target is not endangered. Observe the rule «Be sure of your target» (bullet trap, check environment, etc.).
- The trigger must be pulled back completely when firing the pistol. Mind that when firing in rapid succession, the trigger must be released completely and return to the fully forward position after every shot.
- Always keep your fingers off the slide and behind the muzzle area when firing the pistol.

Handing over the weapon

- Do not hand over/entrust the pistol to any person who is not entitled to possess the weapon. Observe all applicable regulations.
- Do not entrust the pistol to any person who has not comprehensively read and completely understood this operator's manual.
- Never hand over or receive the pistol unless it is unloaded and the slide is locked back (slide opened).

Storage, transport and disposal

- Always store the pistol and ammunition separately.
- Always be sure to prevent access to the pistol and ammunition by unauthorised persons, especially children.
- Always follow the applicable provisions for the transport, the shipping, the destroying and the disposal of weapons and ammunition.





Technical safety instructions

- Always prevent dry firing weapons with a hammer side lock or a firing pin hammer. Dry firing of the hammer/firing pin can lead to premature wear.

Use of accessories

- At regular intervals inspect any accessories mounted on the weapon (e.g. silencers, lights or optics) for secure attachment.
- Always follow the details and the operator's manual from the respective manufacturers of any accessories mounted on the weapon.

PRELIMINARY NOTES

The PHOENIX FUSION pistols are **self loading pistols with a locked and buffered breech system**. They work with a semi-automatic recharge, according to the principle of the mechanically locked recoil loader.

The PHOENIX FUSION pistols are available in **different calibers** (marked on the barrel) **and versions** (Standard, Tactical, Compact) as well as in **different variants** (Single Action/ Double Action, Single Action only, variant with decocking lever, variant with manual safety).

A perfect function and long life of the pistol PHOENIX FUSION can only be ensured by a correct handling, operation and maintenance subject to the instructions of this operator's manual.

The indications «right», «left», «at the front» and «at the back» are related to the shooter's point of view when he holds the pistol in his hands and looks at it as when firing.

Each description of pistol parts, each function and each manipulation is only specified once. Therefore, there will be a reference to already covered descriptions of pistol parts, functions and manipulations in other sections.



WARNING

Only use original spare parts manufactured by PHOENIX!

- **Use only original spare parts from PHOENIX. Otherwise the manufacturer liability and the warranty will be void.**
- **When ordering spare parts please mention the identification numbers as well as the designation (see also page 28). For ordering spare parts for a variant of the PHOENIX FUSION pistol you will find the corresponding parts listed on page 11 and page 28.**





SCOPE OF DELIVERY



- 1 Pistol, including front and rear sights or Optic (Carry Optic-Models)
- 2 Magazines (2 pieces)
- 3 PHOENIX Pistol bag made from Cordura
- 4 Cleaning kit (see also page 22)
- 5 Operator's manual (not shown)





TECHNICAL DATA

PHOENIX FUSION pistol with open sights

Model	Standard (ST)	Tactical (TA)	Compact (CO)
Calibre	9 x 19 mm (9 mm Para), 9 x 21 mm		
Upper frame	Aluminium		
Lower frame	Polymer		
Trigger system	«SA/DA» with decocking lever; <i>Optional:</i> «SA/DA» or «SA only» with manual safety		
Threaded barrel	<i>Optional:</i> M 13,5 x 1 left		
Mounting	Picatinny 1913		
Barrel length	115.5 mm	95.5 mm	95.5 mm
Magazine capacity*	17+1	17+1	15+1
Total length	208 mm	188 mm	188 mm
Total width	35 mm	35 mm	35 mm
Total height	145 mm	145 mm	136 mm
Weight (g)	876 g	804 g	796 g
Colours	Black <i>Optional:</i> Sand	Black <i>Optional:</i> Sand	Black
Front sight	Open sight, steel, black with optic fibre (green or red)	Open sight, steel, with white dot; <i>Optional:</i> Tritium dot (green) or optic fibre (green or red)	Open sight, steel, with white dot; <i>Optional:</i> Tritium dot (green) or optic fibre (green or red)
Rear sight	Novak-Style, adjustable	Open post sight, steel, black; <i>Optional:</i> Tritium (2 dots) or Novak- Style adjustable	Open post sight, steel, black; <i>Optional:</i> Tritium (2 dots) or Novak- Style adjustable

* For some countries all variants are also available with 10-round-magazines

PHOENIX FUSION pistol «Carry Optic»

Model	Standard (ST)	Tactical (TA)	Compact (CO)
Optic	Shield Sight RMS		
Total length	208 mm	188 mm	188 mm
Total width	35 mm	35 mm	35 mm
Total height	160 mm	160 mm	151 mm





OPERATING CONTROLS, DESIGNATIONS, VARIANTS

PHOENIX FUSION pistol with decocking lever



- | | |
|----|----------------------------------|
| 1 | Front sight |
| 2 | Rear sight |
| 3 | Barrel |
| 4 | Slide |
| 5 | Hammer |
| 6 | Frame (upper and lower) |
| 7 | Slide release |
| 8 | Decocking lever (left and right) |
| 9 | Mounting rail |
| 10 | Trigger guard |
| 11 | Trigger |
| 12 | Magazine release |
| 13 | Grip panel (interchangeable) |
| 14 | Magazine |

PHOENIX FUSION pistol with manual safety

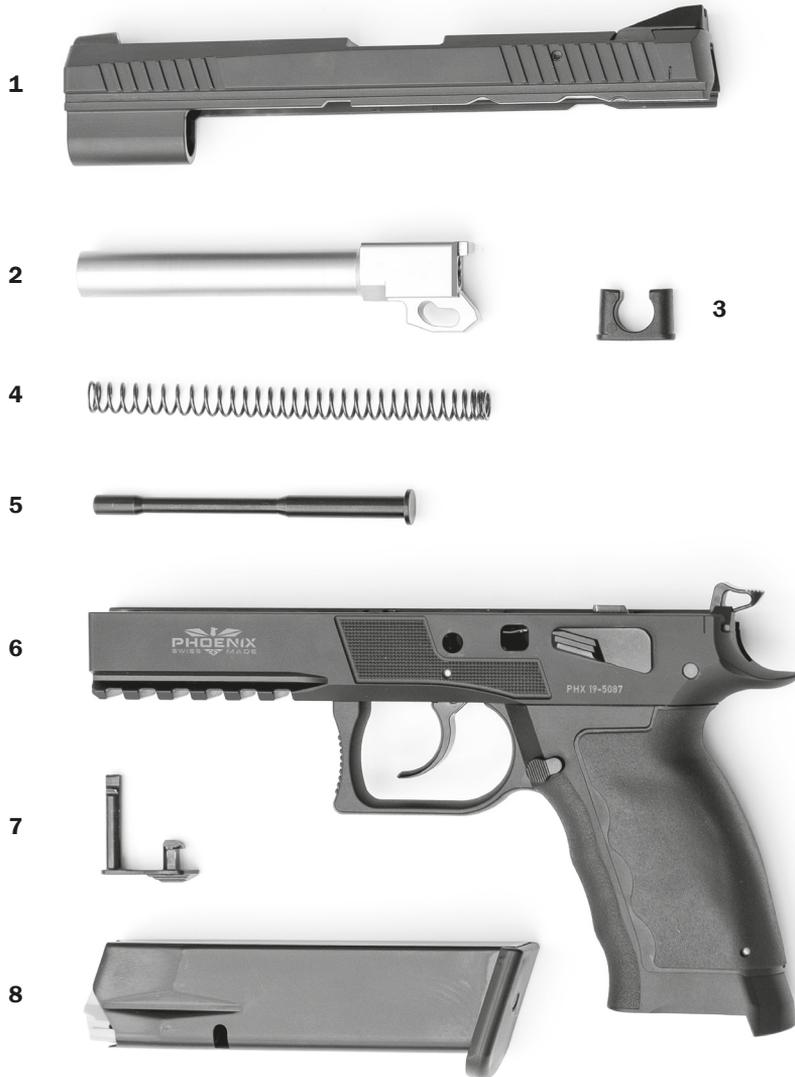


- | | |
|----|-------------------------------|
| 1 | Front sight |
| 2 | Rear sight |
| 3 | Barrel |
| 4 | Slide |
| 5 | Hammer |
| 6 | Frame (upper and lower) |
| 7 | Slide release |
| 8 | Safety lever (left and right) |
| 9 | Mounting rail |
| 10 | Trigger guard |
| 11 | Trigger |
| 12 | Magazine release |
| 13 | Grip panel (interchangeable) |
| 14 | Magazine |





COMPONENTS OF THE PISTOL



- 1 Slide; complete including sights
- 2 Barrel
- 3 Buffer (*refer to page 25*)
- 4 Recoil spring

- 5 Recoil spring guide rod
- 6 Frame; complete (upper and lower)
- 7 Slide release lever
- 8 Magazine





CHECKING THE PISTOL

Checking before use

- Make sure that the pistol is unloaded (cartridge chamber free; magazine removed).
- Make sure that the barrel is free of obstructions.
- Check the pistol for proper condition and trouble free functioning (see below).

Checking after use

- Make sure that the pistol is unloaded (cartridge chamber free; magazine removed).
- Make sure that the barrel is free of obstructions.
- Make sure that the hammer is decocked/released.
- Make sure that the magazine is empty.

Functional tests for PHOENIX FUSION pistol with decocking lever

Functional test of slide and frame

- Make sure that the pistol is unloaded (cartridge chamber free; magazine removed).
- Retract the slide until stop. After releasing the slide should be returned to its fully forward position by the recoil spring.
- Push decocking lever downwards. The hammer has to be released from its cocked position (has to be decocked) by releasing the decocking lever.
- Insert an empty magazine.
- Retract the slide until stop. The slide should be kept in the rear position by the slide release.
- Remove the magazine, then pull back the slide some millimetres. After releasing the slide should be returned to its fully forward position by the recoil spring.
- Insert an empty magazine, then retract the slide until stop. The slide should be kept in the rear position by the slide release.
- Push slide release downwards, then pull back the slide some millimetres. After releasing the slide should be returned to its fully forward position by the recoil spring.

Functional test of trigger and decocking system

- Make sure that the pistol is unloaded (cartridge chamber free; magazine removed).
- Fully cock the hammer. The hammer must stay in its cocked position.
- Pull the trigger. The hammer has to release and snap forward.
- Retract the slide until stop. After releasing the slide should be returned to its fully forward position by the recoil spring.
- Push decocking lever downwards. The hammer has to be released from its cocked position (has to be decocked) by releasing the decocking lever.





- Push the hammer forward with your thumb. The hammer has to be locked before reaching the firing pin.
- Pull the trigger. The hammer must begin to move backward. When reaching its fully cocked position it must release, snap forward and hit the firing pin.

Functional tests for PHOENIX FUSION pistol with manual safety

Functional test of slide and frame

- Make sure that the pistol is unloaded (cartridge chamber free; magazine removed).
- Retract the slide until stop. After releasing the slide should be returned to its fully forward position by the recoil spring.
- Set safety lever to «Fire» by pushing it downward. Hold the hammer with your thumb and pull the trigger. The hammer has to release. Use your thumb to prevent the hammer from snapping forward (let it move forward slowly and smoothly).
- Set the safety lever to «Safe» by pushing it upward. Try to pull the slide backward. It must be impossible to retract the slide.
- Insert an empty magazine, then set safety lever to «Fire» by pushing it downward.
- Retract the slide until stop. The slide should be kept in the rear position by the slide release.
- Remove the magazine.
- Slightly retract the slide. After releasing the slide should be returned to its fully forward position by the recoil spring.
- Insert an empty magazine.
- Retract the slide until stop. The slide should be kept in the rear position by the slide release.
- Push slide release lever downward, then pull back the slide some millimetres. After releasing the slide should be returned to its fully forward position by the recoil spring.

Functional test of trigger and manual safety

- Make sure that the pistol is unloaded (cartridge chamber free; magazine removed).
- Retract the slide until stop. After releasing the slide should be returned to its fully forward position by the recoil spring.
- Set the safety lever to «Safe» by pushing it upward.
- Pull the trigger. It must not be possible to entirely pull the trigger and the hammer has to remain cocked.
- Set safety lever to «Fire» by pushing it downward.
- Pull the trigger – and hold it in its backward position. The hammer has to release and snap forward.
- Retract the slide until stop. After releasing the slide should be returned to its fully forward position by the recoil spring. The hammer must stay in its cocked position.
- Slowly release the trigger. A clear «CLICK» must be heard, but the hammer must stay in its cocked position.
- Pull the trigger. The hammer has to release and snap forward.





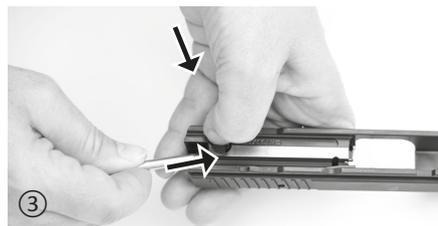
Functional test of the firing pin safety

- Remove the slide, then remove the recoil spring and the barrel (see page 20).
- DO NOT depress the firing pin safety while trying to push the firing pin forward by means of the cleaning bar (photo 1).
- It MUST NOT BE POSSIBLE to push the firing pin forward and the tip of the firing pin MUST NOT be visible on the face of the slide (photo 2).



Functional test of the smooth operation of the firing pin

- Remove the slide, then remove the recoil spring and the barrel (see page 20).
- Fully depress the firing pin safety and push the firing pin entirely forward by means of the cleaning bar (photo 3).
- The firing pin must be visible on the face of the slide and its protrusion should be approximately 2,0 mm (photo 4).



- Afterwards the firing pin and the firing pin safety must smoothly move back into their initial positions. If the firing pin protrusion is too small or the firing pin is sluggish, the firing pin and the firing pin hole in the slide must be cleaned.





HANDLING AND OPERATION

Principles of handling and operation

- **Always treat the pistol as if it is loaded and ready to fire!**
- **Never point the pistol at anyone or anything that you don't want to destroy. Always point the pistol at a safe direction!**
- **Keep your finger off the trigger and hold it outside the trigger guard until you have aligned the sights of the pistol toward the intended target!** Never touch or pull the trigger while loading, unloading, drawing or otherwise handling the pistol. The trigger may only be pulled if the sights of the pistol are aligned toward the intended target.
- **Always be sure that the weapon is pointing at the intended target and that the areas between you and the target, beside the target and behind the target are not endangered BEFORE you put your finger on the trigger! Observe the rule «Be sure of your target» (bullet trap, check environment, etc.)!**
- **Never use force** when handling, disassembling, cleaning and assembling the pistol. Disassemble the pistol only as far as described in this manual.
- After **extraordinary stresses** (bumps, drops etc.), the gun must be checked by a gunsmith or by the manufacturer.
- **Always wear hearing protection and eye protection** when using the pistol. When firing, your eyes are endangered by ejected cartridge cases or flying target fragments.



WARNING

Only use proper loaded ammunition of the correct caliber!

- *All models and variants of the PHOENIX FUSION pistols in the calibers 9x19 mm or 9x21 mm have been approved for all ammunition types according to SAAMI and C.I.P., including US +P ammunition.*
- *Use only properly loaded ammunition of well known manufacturers, delivered in original packing and of the correct caliber (imprinted on the barrel).*
- *Use only clean, dry and undamaged new ammunition which corresponds to the specifications of the C.I.P. or SAAMI standardisation organisations.*
- *Never use dirty, wet, rusty, damaged, oiled, recycled, non factory loaded or self loaded cartridges or ammunition about the quality and / or origin of which you are not sure.*
- *Always follow all valid provisions for handling weapons and ammunition.*





Preparing for shooting

- Make sure that the pistol is unloaded (cartridge chamber free; magazine removed).
- Remove the oil from the barrel by using a dry cleaning rod (commercial cleaning material) and check that the barrel is free of obstructions.
- Check the pistol for proper condition and functioning (see pages 13 and 14).
- Insert an empty magazine and check for correct engagement of the magazine.
- Inspect any accessories mounted on the weapon for secure positioning.

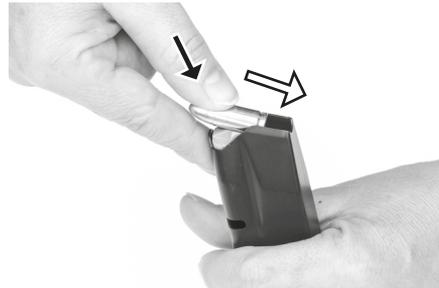
Filling and emptying the magazine

Filling the magazine

- Insert the cartridges (bullet toward the front) underneath the magazine lips.

Emptying the magazine

- Push the cartridges with your fingers (do not use any tool!) to the front, take them out and collect them.



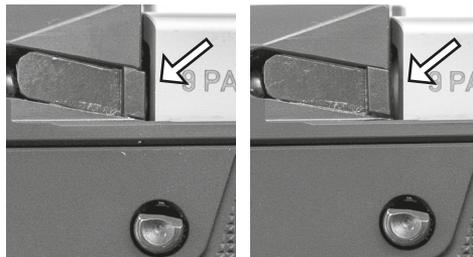
Loading of the pistol

- Insert the filled magazine into the grip until the magazine release is engaged. Ensure that it properly locks into place («tap and pull»). The pistol is «partially loaded».
- Retract the slide until stop (the hammer gets cocked) and release the slide.
- By sliding back into its front position the slide chambers the first cartridge from the magazine into the cartridge chamber. The pistol is now «loaded and cocked».
- **Variant with manual safety:** Set the safety lever to «Safe» by pushing it upward. The pistol now is «loaded, cocked and safe».

NOTICE

Loaded chamber indicator

- **If a cartridge is loaded into the cartridge chamber** (photo to the right) **the loaded chamber indicator of the pistol is engaged** (slightly raised) **and can be felt with the fingertip. Additionally the base of the cartridge is visible between the slide and the breech.**





Firing in single action mode

- Load the pistol (see page 17).
The pistol is «loaded and cocked».
- Firmly hold the pistol in the shooting position
- Align the front and rear sights of the pistol toward your intended target.
- **Variant with manual safety:** Set the safety lever to «Fire» by pushing it downward (photo to the right).
- Slowly pull the trigger. The cocked hammer is released and the cartridge in the cartridge chamber is ignited by the firing pin.



Decocking (Variant with decocking lever)

- After retraction of the slide or after firing a round the hammer always remains cocked (see page 17). **To decock the hammer push the decocking lever downwards and release it** (photo to the right).
- By decocking the hammer is caught by the catch and can not touch the firing pin. Additionally the automatic firing pin safety prevents an unintended ignition.



Firing in double action mode

NOTICE: Firing the pistol in double action mode means that the pistol is loaded (chambered cartridge), but the hammer is uncocked before firing.

- Slowly pull the trigger.
- The hammer will be cocked and then released. By snapping forward the hammer will hit the firing pin which ignites the chambered cartridge.



WARNING

Danger of negligent discharge (unintended firing)!

- **After firing a shot in the double action mode, the pistol is automatically reloaded and the hammer is automatically cocked! The trigger then reacts much more sensitively and the pistol shoots in single action mode!**





Reloading when magazine is empty

NOTICE: After firing the last round from the inserted magazine, the slide release catches the slide and holds it open in its rear position.

- Press the magazine release («1», see photo) and remove the empty magazine.
- Insert the filled magazine into the grip until the magazine release is engaged. Ensure that the magazine properly locks into place («tap and pull»).
- Push the slide release («2», see photo) downward OR slightly retract the slide and release it. By this the first cartridge from the new magazine is transported into the cartridge chamber.
- The pistol is «loaded and cocked».



Unloading the pistol when magazine is NOT empty

- Press the magazine release («1», see photo above) and remove the empty magazine.
- Retract the slide until stop.
- Catch and collect the ejected cartridge and push the slide release («2», see photo above) upward to hold the slide open in its rear position.
- Make sure that there is no cartridge left in the chamber («See and feel»).
- Release the slide by pushing the slide release («1», see photo above) downward OR slightly retract the slide and release it.
- Keep the weapon pointed in a safe direction. Decock the pistol (see page 18) or disengage the manual safety (see page 18 top) and pull the trigger. The hammer will release. The pistol is «unloaded and disengaged».

Unloading the pistol when magazine is empty

NOTICE: After firing the last round from the inserted magazine, the slide release catches the slide and holds it open in its rear position.

- Press the magazine release («1», see photo above) and remove the empty magazine.
- Make sure that there is no cartridge left in the chamber («See and feel»).
- Release the slide by pushing the slide release («1», see photo above) downward OR slightly retract the slide and release it.
- Keep the weapon pointed in a safe direction. Decock the pistol (see page 18) or disengage the manual safety (see page 18 top) and pull the trigger. The hammer will release. The pistol is «unloaded and disengaged».





DISASSEMBLY OF THE PISTOL

ATTENTION

Do NOT use any tools!
Do NOT use any force!

- *The pistol is disassembled and assembled WITHOUT ANY TOOLS.*
 - *Do not use any force at any time.*
 - *The pistol MUST NOT be disassembled further than described below.*
-
- Unload the pistol (see page 19) and empty the magazine (see page 17).
 - Retract the slide until stop and push the slide release upward to hold the slide open.
 - Make sure that there is no cartridge left in the chamber («See and feel»).
 - Release the slide by pushing the slide release downward, decock the pistol (see page 18) or disengage the manual safety (see page 18 top) and pull the trigger.
 - Pull the slide to the rear until the index lines of the slide and the frame meet (photo ①).
 - With the other hand press in the axle of the slide release from the right (photo ②) and pull out the slide release to the left (photo ③).
 - Pull the trigger and remove the slide by sliding it forward off the frame (photo ④).
 - Remove the recoil buffer/ spring guide rod against the spring tension (photo ⑤).
 - Slightly lift the barrel up at the back, push it forward and remove it backward (photo ⑥).

REASSEMBLY OF THE PISTOL

- Insert the barrel into the slide. Press backward until it locks with the slide (photo ⑦).
- Insert the recoil spring with its guide rod into the slide below the barrel. Press the front end of the recoil spring guide against the pressure of the recoil spring through the hole provided in the front of the slide. Support the recoil spring retainer at the front of the shelf of the barrel (photo ⑧).
- Insert the frame from the rear into the guiding grooves of the slide until the index lines of the slide and the frame meet (photo ⑨).
- Put the slide release into its place from the left side of the frame and depress it until it engages properly (photo ⑩). Let the slide glide into its fully forward position forced by the pressure of the recoil spring.

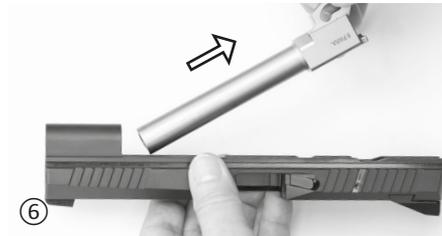
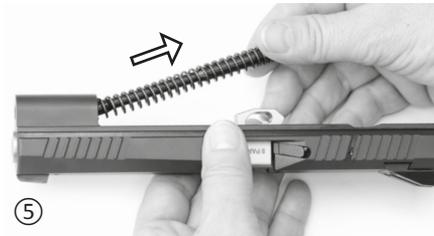
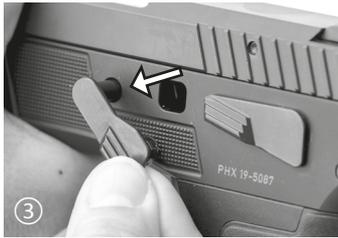
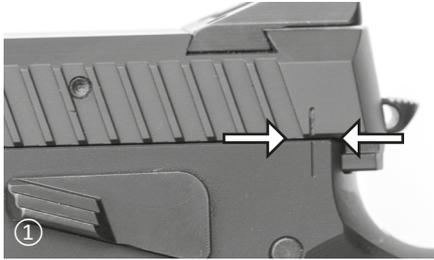


WARNING

Check the pistol! Work through all functional tests before use!

- *After dis- and reassembly the pistol MUST be checked for proper assembly and trouble free functioning (see «Checking the pistol», pages 13 and 14).*







CLEANING AND CARE

Regular checking, cleaning and maintenance keeps the pistol functioning safely and increases the service life.

Cleaning materials and tools

For cleaning and maintenance of the pistol the following materials and tools are necessary:

- PHOENIX FUSION cleaning kit (comes with the pistol).
- Cleaning rods and rags, cleaning solvent and conserving agents without chlorine or acids.

Do NOT clean the pistol or parts of it with:

- Objects made of metal
- Plastics, e.g. Nylon, Perlon or similar
- Water
- Aggressive chemicals, acids or similar.



Normal cleaning

The normal cleaning should be performed after each shooting session

- Make sure that the pistol is unloaded (cartridge chamber free; magazine removed).
- Disassemble the pistol (see page 20).
- Clean fouled parts and surfaces on the frame and the slide with a cleaning brush, cleaning solvent and rags and then lubricate them lightly.
- Moisten a cleaning brush with oil. Repeatedly pass it through the barrel. Then pass pure cleaning rods through. Finally lubricate the exterior and interior of the barrel.
- Clean the magazine lips and follower.
- Reassemble the pistol (see page 20) and subsequently check the pistol for proper assembly and trouble free functioning (see pages 13 and 14).

Major cleaning

The major cleaning should be performed after approx. 1000 rounds or once per year.

- Perform the normal cleaning.

Additionally:

- Disassemble the magazine (see page 23) and clean the inside of the magazine housing and the external surfaces of the follower.
- Check the firing pin for smooth operation (see page 15) and clean firing pin hole inside the slide.
- Reassemble the pistol and the magazines (see pages 20, 23) and subsequently check the pistol for proper assembly and trouble free functioning (see pages 13 and 14).





MAGAZINES AND GRIPS



CAUTION

**Springloaded parts!
Wear eye protection!**

- *The magazine spring is loaded when mounted in the magazine housing!
Watch out! Compress the magazine spring properly! Wear eye protection!*

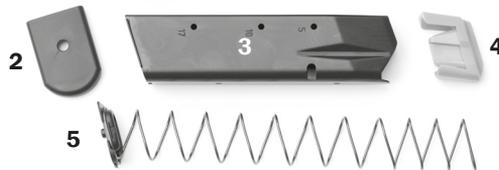
Magazines

- 1 Magazine complete



Magazine disassembled

- 2 Magazine floor plate
- 3 Magazine housing
- 4 Follower
- 5 Magazine spring (with locking plate)



Disassembly of the magazine

- Press magazine locking plate down through the hole of the magazine floor plate. Push magazine floor plate forward. Remove magazine components.

Reassembly of the magazine

- Insert the follower and the magazine spring into the housing. Depress the magazine spring. Push the magazine floor backward until it engages with the locking plate.



Changing the grip

PHOENIX FUSION pistols allow the installation of grip panels in the sizes S, M or L to adjust the frame to the shooter's individual preference.

NOTICE: To change the grip panels a special tool is required. Deliver your pistol to the manufacturer or to authorised specialists/trained firearms personnel for this work.





ADJUSTMENT OF THE SIGHTS / OPTIC



- The sights consists of the rear sight (1) and the front sight (2). Both parts are available in different versions and variants (see page 10).
- The horizontal adjustment takes place by shifting the rear sight to the side by means of a light hammer and a wooden piece or plastic bolts.
- The horizontal adjustment takes place either by replacing the front sight (there are different heights available) or by vertical adjustment of the rear sight (optional).
- The «Carry-Optic»-Models of the PHOENIX FUSION pistol are equipped with red dot sights. For adjustment instructions refer to the instructions of the optics manufacturer.

ATTENTION

Improper manipulations of sights can cause severe damages!

- ***Potentially necessary corrections of the installation of the original front and rear sights (e. g. changing of the front sight, drifting of the rear sight) should be done by a specialist (gunsmith, weapons technician) or by the manufacturer because of the special tools required for this work.***
- ***For the adjustment of a factory-mounted red dot sight on a PHOENIX FUSION «Carry Optic»-Model please refer to the operator's manual of the optics manufacturer. Normally you will find this operator's manual in the package, as it is part of the scope of delivery for all PHOENIX FUSION «Carry Optic»-Models.***





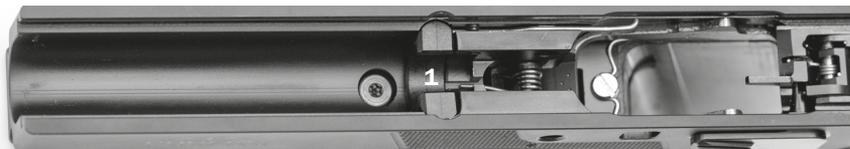
MAINTENANCE AND REGULAR CHECKING

- Always keep your pistol in clean and in proper working condition.
- Perform the normal cleaning after every shooting session (see page 22).
- Never change, modify or repair parts of the pistol by yourself.
- Have your gun checked ONCE A YEAR by a qualified gunsmith.
- For any repair or service, the gun should be sent to the manufacturer, as all necessary special tools and spare parts are available there at all time.
- If you order spare parts without returning the pistol for inspection, service and repair, ordering the correct spare part(s) is your own responsibility. In this case you are also responsible for having the parts properly installed by a qualified gunsmith.
- The manufacturer and its importers are not liable for any trouble, malfunctions, damages or incidents if third parties made any changes, modifications, repairs, attachments to or conversion of the weapon and/or its parts and/or if accessories or spare parts from other manufacturers have been used.

Checking the buffer

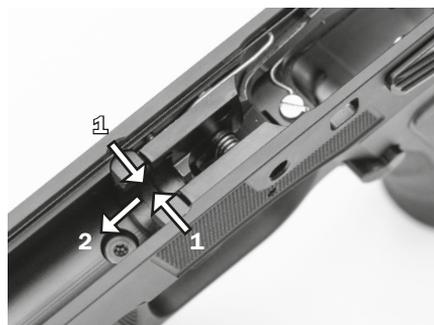
PHOENIX FUSION pistols are equipped with a **special recoil buffer**, that is mounted into the upper frame. The buffer dampens the impact of the barrel and slide on the frame during unlocking and when the slide reaches its most rearward position. The result are reduced (felt) recoil forces, more comfort and less load on the pistol parts.

NOTE: The polymer buffer (1) is subject to regular wear and tear. It should be checked regularly and replaced if necessary. It MUST be replaced after max. 10'000 fired rounds.



Replacing the buffer

- Unload the pistol (see page 19) and disassemble the pistol (see page 20).
- Use a small blunt screwdriver and push the buffer toward its center (1) and then tilt it forward (2) until it jumps out of its retaining grooves.
- Insert new buffer from above into the frame and press it down until it properly «clicks» into place.





MALFUNCTIONS AND ERRORS, CAUSE AND ELIMINATION

By means of regular maintenance (see page 25) and regular cleaning and care (see page 22) the functional safety and reliability of the pistol is kept on its highest level and the service life is increased. In case of malfunctions work through this trouble shooting chart:



WARNING

Danger of negligent discharge (unintended firing)!

- **If trouble occurs stop shooting and point the pistol in a safe direction. Unload the pistol. Observe all safety instructions. Follow the trouble shooting chart.**

- Remove the magazine.
- Retract the slide until stop and push the slide release upward to hold the slide open.
- Make sure that there is no cartridge left in the chamber.
- Inspect (visual or by the aid of a tool), that the cartridge chamber and the barrel are both free of any cartridge, bullet or any other obstructions. **CAUTION:** If there are any obstructions in the barrel (*bullet lodged in the barrel*) disassemble the pistol (see page 20) and return it to the manufacturer for repair.
- Take out the obstacle. Disassemble the pistol (see page 20), clean it, lubricate it, (see page 22) and reassemble it (see page 20). Check the pistol (see page 13 and 14).
- If necessary return the pistol to the manufacturer for inspection/repair.

Possible troubles and how to solve them

Malfunction	Cause(s)	What to do
Misfire	Pistol is «safe»	Set safety lever on «Fire» (see page 18)
	Ammunition malfunction (Failure)	For safety reasons point the pistol at the safe target for at least 30 sec. Then unload the pistol. Make sure that no cartridge is left inside the cartridge chamber. Return the defective cartridge(s) to the dealer/manufacturer
	Sluggish firing pin	Check/clean the firing pin (see page 15)
	Damaged or broken firing pin	Replace the firing pin
	Defective hammer or hammer spring	Return the pistol to the manufacturer for repair
	Defective trigger or trigger system	Return the pistol to the manufacturer for repair





Malfunction	Cause(s)	What to do
Cartridge not fed into chamber	Defective magazine spring	Replace the magazine spring
	Damaged magazine or magazine lips	Replace the magazine
Cartridge not properly chambered	Battered cartridge; wrong calibre	Use proper ammunition of the correct calibre
	Fouled cartridge chamber	Unload pistol, clean chamber if necessary
	Defective recoil spring	Replace the recoil spring
Slide did not open after the shot.	Cartridge jams in the chamber because it is deformed or the chamber is fouled.	Unload the pistol. Pull back the slide and hold it open. If cartridge is not ejected take it out by hand. Disassemble pistol, clean chamber. Inspect extractor. If necessary return pistol for repair
	Badly loaded ammunition	Unload the pistol. Check barrel on lodged bullet. Return pistol for repair if necessary
Cartridge not ejected after the shot	Badly loaded ammunition	Unload the pistol. Check barrel on lodged bullet. Return pistol for repair if necessary
		Use proper ammunition
	Insufficient slide recoil	Unload the pistol. Pull back the slide and remove the cartridge. Check for smooth operation and clean the cartridge chamber if necessary
	Damaged extractor, extractor spring or ejector	Return the pistol for repair
Slide does not stay open when magazine is shot empty	Magazine or magazine spring is defective	Replace the magazine or the magazine spring
	Insufficient slide recoil	Check for smooth operation and clean the cartridge chamber if necessary
	Damaged slide release lever or slide release spring	Replace the slide release. Return pistol for repair if necessary
	Badly loaded ammunition	Unload the pistol. Check barrel on lodged bullet. Return pistol for repair if necessary
		Use other ammunition
Point of impact pattern moves laterally	Displaced front or rear sight	Check and readjust the sights
Point of impact pattern moves vertically	Damaged front or rear sight	Check and readjust the sights
	Change of type of ammunition.	Use same sort of ammunition as before.





LIST OF PARTS

Model PHOENIX FUSION (ST) Standard SA/DA with decocking lever

- | | |
|------------------------------------|--|
| 1 Upper frame | 42 Decocking lever spring |
| 2 Lower frame | 43 Hammer |
| 3 Frame screws (set of 3 pieces) | 44 Hammer pin |
| 4 Grip panels (sizes S, M, L) | 45 Disconnecter |
| 5 Buffer | 46 Hammer strut |
| 6 Slide | 47 Hammer spring |
| 7 Barrel | 48 Pivot |
| 8 Recoil spring guide | 49 Disconnecter pin |
| 9 Recoil spring | 50 Hammer strut pin |
| 10 Recoil spring stop (only CO/TA) | 51 Grip pin |
| 11 Front sight | 52 Hammer pin retainer |
| 12 Rear sight | 53 Front sight screw |
| 13 Firing pin | 54 Rear sight screws (set of 2 pieces) |
| 14 Firing pin spring | 60 Pivot pin |
| 15 Firing pin position pin | |
| 16 Extractor | 500 Magazine (complete) |
| 17 Extractor plunger | 600 Cleaning kit |
| 18 Extractor spring | 700 PHOENIX Pistol bag (Cordura) |
| 19 Firing pin safety | 800 Operator's manual |
| 20 Firing pin safety spring | |
| 21 Ejector | |
| 22 Sear | |
| 23 Firing pin safety activator | |
| 24 Sear spring | |
| 25 Safety activator spring | |
| 26 Sear pin | |
| 27 Trigger | |
| 28 Trigger bar | |
| 29 Trigger spring | |
| 30 Trigger pin | |
| 31 Trigger bar pin | |
| 32 Magazine release | |
| 33 Magazine release spring | |
| 34 Magazine release plunger | |
| 35 Magazine release screw | |
| 36 Trigger bar spring | |
| 37 Slide release | |
| 38 Slide release spring | |
| 39 Slide release spring pin | |
| 40 Decocking lever (left) | |
| 41 Decocking lever (right) | |

Variant «SA/DA» with manual safety

- 140 Safety lever (left)
- 141 Safety lever (right)

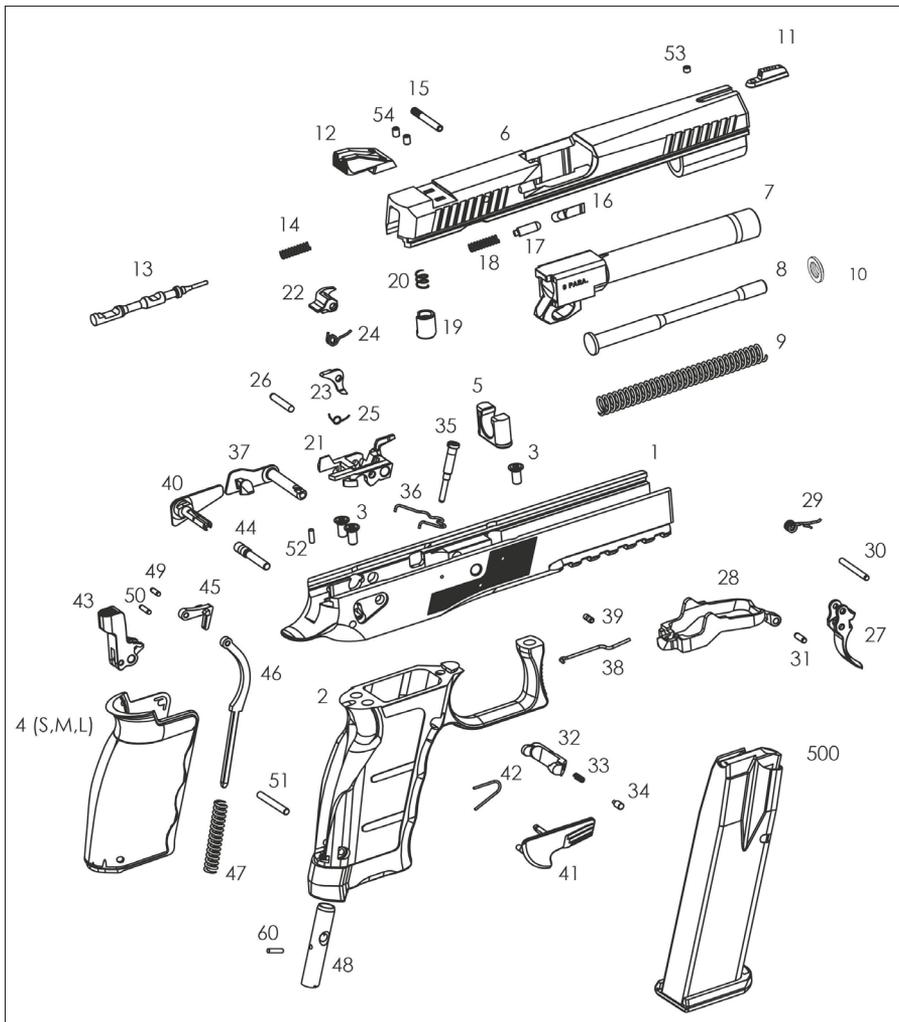
Variant «SA only» with manual safety

- 127 SA trigger (straight)





Drawing PHOENIX FUSION (ST) Standard «SA/DA» with decocking lever



Necessary information to order spare parts

- Exact type of pistol (Calibre, type, trigger-system, variant)
- Serial number
- Number AND designation of spare part

Order address

PHX Phoenix AG, Gsteigstrasse 12, CH-3800 Matten b. Interlaken
E-Mail: info@phx.swiss | Internet: www.phx.swiss





UNCOMPROMISED QUALITY

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