

Polymer 80 – P80

User Manual

MODELS PFC9 / PFS9

▲ **WARNING** - If your pistol or any other firearm is carelessly or im-properly handled, you could cause a negligent discharge, which could result in death, serious personal injury and/or property damage.

▲ **WARNING** - Always handle your pistol as if it is loaded so that you never fire negligently.

▲ **WARNING** - Never point your pistol at anything you do not intend to shoot.

▲ **WARNING** - Never pull the trigger or put your finger on the trigger or in the trigger guard until you have made the decision to fire.

▲ **WARNING** - Never take anyone's word that a firearm is unloaded; always check for yourself, with the firearm pointed in a safe direction and your finger off of the trigger and outside of the trigger guard.

▲ **WARNING** - Always make sure your pistol is unloaded and that the

slide is locked open in the rearward position with the magazine taken out before handing it to another person.

▲ **WARNING** - Never alter or modify your pistol because this could cause it to malfunction and create a dangerous condition.

▲ **WARNING** - Always store and transport your pistol unloaded and locked in a suitable container, such as the included pistol case, out of the reach and sight of children or other unauthorized persons.

FRAME: The frame (17) is made of polymer with hardened steel guides. It features an ideal grip angle and low weight. The slide stop lever (27) and the magazine catch (19) are easily operated with the shooting hand. (Note: The part numbers referenced in parenthesis throughout this manual correspond to the list of component parts and exploded drawing).

SAFE ACTION

® **TRIGGER SYSTEM:** GLOCK TYPE revolutionary Safe Action® trigger system provides a consistent trigger pull from the first to the last round. The three automatic independently operating mechanical safeties are built into the fire control system of the pistol. All three safeties disengage sequentially as the trigger is pulled and automatically reengage when the trigger is released. This safe, simple and fast system allows the user to concentrate fully on tactical tasks, particularly while under stress. It is safe if dropped and functional at temperatures from -40° to 122° Fahrenheit / -40° to 50° Celsius.

1. **Trigger Safety:** The trigger safety is a lever incorporated into the trigger (26). When the trigger safety is in the forward position it blocks the trigger from moving rearward. The trigger safety and the trigger must be fully depressed at the same time to fire the pistol. If the trigger safety is not depressed, the trigger will not move rearward and allow

the pistol to fire. The trigger safety is designed to protect against firing if the pistol is dropped or the trigger is subjected to lateral pressure.

2. **Firing Pin Safety:** The firing pin safety (8) mechanically blocks the firing pin (4) from moving forward in the ready-to-fire condition. As the trigger is pulled rearward the trigger bar pushes the firing pin safety up and frees the firing pin channel. If the user decides not to fire and releases the trigger, the firing pin safety automatically reengages.

3. **Drop-Safety:** The trigger bar rests on the safety ramp within the trigger mechanism housing. The trigger bar engages the rear portion of the firing pin (4) and prevents the firing pin from moving forward. As the trigger (26) is pulled rearward the trigger bar lowers down the safety ramp and allows the release of the firing pin. After firing, the trigger bar moves upward and reengages the firing pin.



Before firing your pistol, run a clean patch through the barrel, from the chamber end, using the cleaning rod. Repeat this procedure until the patch comes out of the barrel with no gun oil or cleaner-lubricant-preservative on it because any obstruction in the barrel could prevent the pistol from firing properly and result in death or serious personal injury and/or damage to the pistol.

LOADING THE PISTOL

To load the magazine, press each cartridge into the magazine from the front - with the cartridge bottom first - against the force of the magazine spring (Pictures 4-5).

Insert the magazine into the magazine well until the magazine catch (19) locks into place (Picture 6). (Note: The part numbers referenced in parenthesis throughout this manual correspond to the list of component parts and exploded drawing).

If the slide (1) is in the forward position, hold your pistol with your firing hand and, while keeping your finger off of the trigger and outside of the trigger guard, grasp

the rear of the slide at the serrations with your other hand and pull the slide fully back (Picture 7) and then release it, allowing it to return to the fully forward position (Picture 8)

Picture 4



Picture 5



Picture 6



Picture 7



Picture 8



When the pistol is loaded with a cartridge in the chamber, it can be fired by simply pulling the trigger (26) fully to the rear. (Note: The part numbers referenced in parenthesis throughout this manual correspond to the list of component parts and exploded drawing).

After firing the last cartridge in the magazine, the slide (1) will remain locked open in the rearward position (Picture 9). (Note: If you are firing your GLOCK pistol without a magazine inserted, the slide will not remain locked open in the rearward position after firing).

Picture 9



CLEARING JAMMED AMMUNITION

If a cartridge becomes jammed while being chambered or extracted, follow the steps below to remove it. While keeping the muzzle of your pistol pointed in a safe direction (a safe direction is one in which no one can possibly be injured in the event of an unintentional discharge), remove the magazine if possible by pressing the magazine catch (19). (Note: The part numbers referenced in parenthesis throughout this manual correspond to the list of component parts and exploded drawing).

While holding the grip with your firing hand, with your finger off of the trigger (26) and outside of the trigger guard, grasp the rear of the slide (1) at the serrations with your other hand and pull the slide fully back. Lock the slide in the rearward (open) position by pushing up on the slide stop lever (27) and slowly releasing the slide from the fully rearward position until it locks in the open position.

If the above steps have not removed the jammed cartridge, carefully remove the jammed cartridge from the chamber using your fingers or a pointed wooden dowel.

To unload your pistol, follow the instructions below. To ensure that your pistol is unloaded, you MUST proceed in this order.

1. Remove the magazine by pressing the magazine catch (19)
2. While holding the grip with your firing hand, with your finger off of the trigger (26) and outside of the trigger guard, grasp the rear of the slide (1) at the serrations with your other hand and pull the slide fully back to eject any cartridge that may be in the chamber.
3. Lock the slide in the rearward (open) position by pushing up on the slide stop lever (27) and slowly releasing the slide from the fully rearward position until it locks in the open position.
4. Once the slide is locked to the rear, both visually and physically (with your finger) inspect both the chamber and the magazine well of the pistol to be sure that no ammunition remains in either place.
5. Release the slide to return it to the forward (closed) position by either pressing the slide stop lever down or grasping the rear of the slide at the serrations with your other hand and pulling the slide fully back and then releasing it.

To field strip (disassemble) your pistol for cleaning, follow the instructions below. To ensure

that your pistol is unloaded, disassembly MUST be performed in this order.

1. Remove the magazine by pressing the magazine catch.
2. While holding the grip with your firing hand, with your finger off of the trigger (26) and outside of the trigger guard, grasp the rear of the slide (1) at the serrations with your other hand and pull the slide fully back to eject any cartridge that may be in the chamber (Picture 17).
3. Lock the slide in the rearward (open) position by pushing up on the slide stop lever (27) and slowly releasing the slide from the fully rearward position until it locks in the open position (Picture 18).
4. Once the slide is locked to the rear, both visually and physically (with your finger) inspect both the chamber and the magazine well of the pistol to be sure that no ammunition remains in either place (Picture 19).
5. Release the slide to return it to the forward (closed) position by either pressing the slide stop lever down or grasping the rear of the slide at the serrations with your other hand and pulling the slide fully back and then releasing it.
6. With the muzzle of your pistol pointed in a safe direction (a safe direction is one in which no one can possibly be injured in the event of an unintentional discharge), pull the trigger. (Note: The trigger must be in the rearmost position to remove the slide) (Picture 20).
7. Hold your pistol with your firing hand with your fingers across the top of the rear of the slide in front of the rear sight and your thumb on the rear of the frame (Picture 21).
8. Using your fingers, retract the slide (1) about 1/8 in. / 3mm and hold it in this position (Picture 22). (Note: If you pull the slide too far to the rear, it will reset the pistol's trigger to the forward position. If this happens, pull the trigger again while keeping the muzzle of your pistol pointed in a safe direction).
9. Using the thumb and index finger of your non-firing hand, pull the slide lock (21) down evenly on both sides (Picture 23).
10. While holding the slide lock down, push the slide forward and off of the frame (Picture 23).
11. Press the recoil spring assembly (3) toward the front (muzzle end) of the slide while pulling it up to remove it from the slide (Pictures 24-25)

Picture 17



Picture 18



Picture 19



Picture 20



Picture 21



Picture 22



Picture 23



Picture 24



Picture 25



Picture 26



PARTS LIST

- 1 – Slide 2- Barrel 3- Recoil spring assembly
- 4- Firing pin 5- Spacer sleeve 6- Firing pin spring
- 7- Spring cups 8- Firing pin safety
- 9- Firing pin safety spring 10- Extractor
- 11- Extractor depressor plunger
- 12- Extractor depressor plunger spring
- 13- Spring-loaded bearing 14- Slide cover plate
- 15- Rear sight 16a- Front sight 16b- Front sight screw
- 17- Frame 17a/b/c- Backstrap
- 18- Magazine catch spring 19- Magazine catch
- 20- Slide lock spring 21- Slide lock 22- Locking block
- 23- Trigger mechanism housing with ejector
- 24- Connector 25- Trigger spring
- 26- Trigger with trigger bar 27- Slide stop lever
- 28- Trigger pin 29- Trigger housing pin (short)
- 29a- Trigger housing pin (long) 30- Locking block pin
- 31- Magazine tube 32- Follower
- 33- Magazine spring 34- Magazine insert
- 35- Magazine floor plate

FOLLOW ALL SAFETY INSTRUCTIONS

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