



**PX19**

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# **OPERATOR'S MANUAL**



## WARNING

When picking up your firearm for the first time, immediately ensure you prove it is safe. Point the firearm in a safe direction. Remove the magazine using the magazine release button. Hold the grip with your finger off the trigger and grasp the rear of the slide with your other hand. Pull the slide backwards and lock it in the open position by pushing the slide catch up into place and slowly releasing the slide. Next, visually and physically inspect the chamber and feed path to ensure it is empty. Then close the slide by either pushing the slide catch down or by pulling the slide backwards and then releasing it. Still pointing in a safe direction, pull the trigger. You have now made your handgun safe to handle.

### GENERAL SAFETY

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Black Creek Labs (BCL) has no control over the use of your firearm and shall not be responsible for injury, death, or damage to property resulting from the intentional or accidental discharge of your firearm. Safety is your responsibility and you are required to always follow the firearms safety rules:

- Always treat your handgun (and all firearms) as though it is loaded.
- Never point your handgun at anything other than the desired target.
- Keep your finger off the trigger until you are ready to shoot.
- Ensure you know what your target is and what lies beyond.

In addition to the firearms safety rules, it is your responsibility to ensure the following:

- Always wear hearing and eye protection when using your firearm.
- Always use your firearm in a well-ventilated area to mitigate your exposure to lead.
- Visually inspect your firearm prior to use to ensure there are no obstructions or debris in the barrel, chamber, or action.
- Ensure your firearm is clean and well lubricated prior to use.
- Always carry your firearm in a way that you can control the muzzle in the event of a slip or fall.
- Always use proper factory-made ammunition of the correct caliber, and ensure it is clean and dry.
- Never shoot directly into hard surfaces, such as rock or water, as bullets can ricochet.
- Do not perform unauthorized modifications or alterations to your firearm.
- Always store your firearm as per the applicable firearms laws and/or regulations.
- Never allow anyone to operate your firearm without reading the operator's manual first.
- Never operate your firearm under the influence of drugs or alcohol.

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# 1.0 OVERVIEW

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The PX19 is a self-loading handgun that is designed, manufactured and assembled in Canada. It is a compact 9mm handgun based on a battle tested compact frame but redesigned to be a reliable, no-frills, sidearm for individuals and professionals.

## 1.1 PURPOSE

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The PX19 was made with the goal of providing Canadians with a high quality, attractive, home-grown handgun. It is designed to be heavier than a traditional polymer handgun to allow for faster second-target acquisition rates, and more reliable follow up shots. It is a perfect handgun for both competitors and hobbyists.

## 1.2 SAFETY

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The PX19 comes with 3 built in safeties. They are not a traditional safety but working together they ensure the gun will only discharge when the trigger is pulled.

**Trigger Safety:** The trigger safety is a lever directly integrated into the trigger. The trigger safety must be depressed before the trigger can be pulled. This safety protects against misfires when dropped or when the trigger is bumped from the side.

**Firing Pin Safety:** The firing pin safety physically prevents the firing pin from penetrating to the primer of a cartridge. When the trigger is pulled the firing pin safety is disengaged to allow the firing pin to travel fully. If the shooter releases the trigger, the Firing Pin Safety automatically re-engages.

**Drop-Safety:** The drop safety prevents the rear portion of the firing pin from traveling. When the trigger is pulled the trigger bar is moved out of the path of the firing pin releasing it. After firing, the trigger bar is moved upward and re-engages the firing pin.

## 1.3 BARREL & CHAMBER

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The barrel is marked with what chamber/caliber is on the handgun. The PX19 is chambered in 9x19mm. More calibers may become available in the future. The PX19 barrel comes in 4.0" & 4.5" length. It is made from a broach cut, 416 stainless steel. The twist rate is 1:10".

Barrel life expectancy depends on the number of rounds that have been fired and the rate at which they have been fired at. Firing at controlled rates will allow for minimal accuracy loss starting at 10,000 rounds.

**1.4 SLIDE**

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The slide is machined out of precision grade alloy steel. The PX19 comes with a factory iron site plate installed. Replacement optic plates are available to mount aftermarket optics.

**1.5 FRAME**

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The frame of the PX19 is made from aerospace grade aluminum which offers an enhanced level of durability and can be easily operated by military, law enforcement and competition shooters. The weight of the PX19 is heavier than traditional polymer framed compact handguns making it ideal for rapid target engagements. The frame features a custom machined ergonomic profile.

**1.6 MAGAZINE RELEASE**

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The magazine release can be removed and replaced on either side of the frame to permit ambidextrous use. See section 13.0 for instructions.

**1.7 MAGAZINE**

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The PX19 is compatible with Glock 19 Magazines. Magazine capacity is determined by federal and local regulations.

**1.8 Accessory Rail**

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The PX19 has a front, bottom mount 1913 picatinny rail.

**2.0 PHYSICAL DATA**

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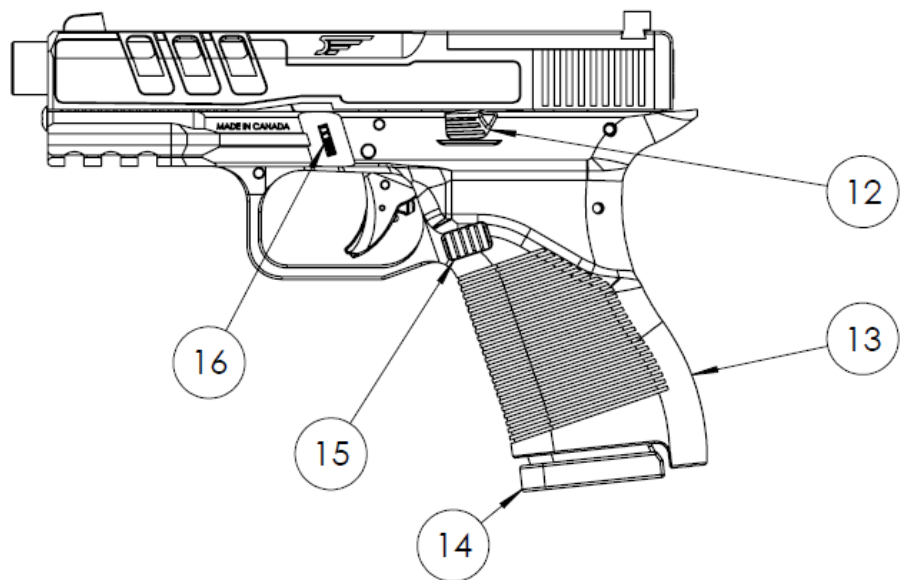
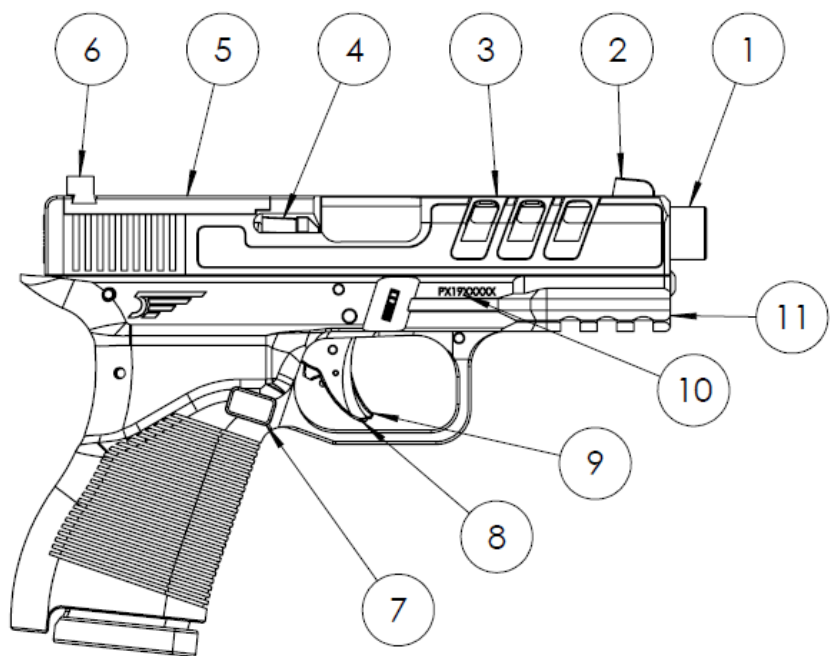
Barrel Length	Slide	Overall Length	Overall Height	Weight
4.0"	6.74"	7.3"	4.7"	25.6oz

## 3.0 NOMENCLATURE

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The following drawings and associated parts list provide a visual reference to the parts of the PX19 described in the manual.

1. Barrel
2. Front Sight
3. Slide
4. Extractor
5. Optic Plate
6. Rear Sight
7. Magazine Catch
8. Trigger
9. Trigger Safety
10. Serial Number
11. Picatinny Accessory Rail
12. Slide Stop Lever
13. Frame
14. Magazine
15. Magazine Release Button
16. Slide Lock



## 4.0 FIREARM OPERATION

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For the handgun to be operated, it must first be made ready to fire with a magazine loaded and a cartridge in the chamber. All three of the safeties will be engaged if the handgun is made ready to fire correctly and the trigger is not being pulled. As the trigger is pulled, the trigger safety will be disengaged to permit the trigger to actuate and begin its travel. Continuing to pull the trigger will disengage the firing pin safety and the firing pin is placed under full tension. When the trigger is fully depressed, the trigger bar separates from the firing pin and drops, allowing the firing pin to release fully and strike the primer of the loaded cartridge and fire the round.

The recoil of the fired round will generate kinetic energy into the slide, causing the slide to move rearward. This movement will extract the spent casing from the chamber and eject it from the handgun. If there is another round present in the magazine, the recoil spring will return the slide forward and load the next cartridge into the chamber. The handgun will not repeat its firing sequence until the trigger is released and fully reset to its unfired position. Once the trigger is reset, the sequence will repeat.

## 5.0 LOADING

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To load the magazine, press each cartridge (rim first) into the magazine from the front of the feed lips, while pushing down on the follower. The aid of a magazine loader will assist in loading magazines with a tight spring.

With the cartridges loaded in the magazine pointing up and forward, push the magazine into the magazine-well of the frame until the magazine catch engages with a positive click. Pull down on the magazine to ensure it is locked in place properly. TIP: Loading a magazine with the slide locked back will ensure the magazine catch is engaged properly.

Apply firm, proper shooting grip to the handgun and either A) pull back onto the slide fully to release the slide stop lever, release the slide to close under it's own spring tension to chamber a round, or B) slide down the slide stop lever to chamber a round. **NOTE:** Never load your handgun unless you have proven the handgun is safe to handle, and that you are ready to shoot at your appropriately designated target.

## 6.0 Firing

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When the handgun is loaded you may fire a round by securely holding the frame, observe your target, aim and squeeze the trigger. The semi automatic operation will eject the spent casing and load the next round. To fire the next round release the trigger and repeat.

After the last round has been fired from a magazine the slide lock lever will engage and lock the slide back. Remove the magazine and prove the firearm safe.



## 7.0 TROUBLESHOOTING

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In case of failure to fire: **Continue to hold your handgun towards the target for approximately 30 seconds.** The handgun may be experiencing a hang-fire, which is a delay between the firing pin striking the primer and the round firing. After waiting approximately 30 seconds, remove the magazine, eject the mis-fire cartridge and dispose of it in an appropriate container.

If continued failure to fire occurs, prior to discarding the failed cartridge, examine the cartridge's firing pin indentation and compare the indent to a successfully fired round. If the mark is light, off centre or missing stop using your handgun and seek out an armourer to assist with repairs.

If the indentation looks normal the cartridge could be defective. Dispose of cartridge in an appropriate container, reload and continue firing.

Auto-loading pistols like the PX19 have the potential to jam when feeding ammunition. Possible issues that lead to jamming are improper ammunition, improper shooter's grip, faulty magazines. If a cartridge does jam do **not** attempt to manually force the chamber closed by hitting or pushing the slide. This could cause the cartridge fail inside the chamber in a dangerous manner. Never load a cartridge that has physical damage, debris, or signs of fatigue.

**TIP:** Heavier grain ammunition is recommended for the first 300 rounds of the PX19. Heavier grain ammunition will actuate the slide with more energy and allow the PX19 to "break in".

### WARNING—AMMUNITION NOTICE

Only load your firearm with clean, high quality, factory made ammunition. Do not load ammunition that is dirty, wet, corroded or damaged. The PX19 is designed and tested using most commercially available ammunition. Should you encounter issues with the PX19 verify your ammunition is suitable.

Black Creek Labs specifically dismisses any responsibility for any damage or injury caused in connection with, or as a result of, the use of any non-factory or improper ammunition. Any damage caused by non-factory-made ammunition voids all warranties. Reloading ammunition is a strict science that can be extremely dangerous if done improperly. Only use ammunition that complies with SAAMI or similar specifications, unless otherwise directed by Black Creek Labs (such as for international exports).

## 8.0 UNLOADING/PROVING SAFE

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To unload a handgun, follow these steps:

1. Press the magazine catch and remove the magazine.
2. Using one hand on the grip, keeping your finger away from the trigger, use your second hand to grab the slide and pull it rearward. Any cartridge in the chamber should eject.
3. Lock the slide rearward and open by using the slide stop lever, if not already done so.
4. Visually and physically inspect the chamber & feed path and bore to ensure it is clear and safe.
5. Release the slide by either pulling the slide stop lever or by pulling the slide backwards to disengage the slide stop lever, and then release the slide.
6. Finally, with your handgun still pointing in a safe direction, pull the trigger.

## 9.0 FIELD STRIPPING

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In order to properly clean your firearm, it must be “field stripped”. “Field stripped” is the term for when components are removed from the firearm for the purpose of cleaning. This is the minimum level of disassembly required to properly clean your firearm and maintain reliability and functionality. It is recommended to field strip and clean your firearm at a minimum of every 300-500 rounds. Cleaning after every use is highly recommended.

**ALWAYS BEGIN A FIELD STRIP BY PROVING THE FIREARM SAFE AND ENSURING THE FIREARM IS UNLOADED. ALWAYS WEAR EYE PROTECTION AND GLOVES WHEN FIELD STRIPPING YOUR FIREARM.**

To conduct a field strip of the PX19, follow the following steps:

1. With the PX19 unloaded and safe to handle, point the firearm in a safe direction and pull the trigger to release the firing pin
2. Pull back the slide approximately  $\frac{1}{4}$  of an inch (Note that the trigger may reset if pulled back too far, repeat step 1 in this case)
3. On both sides of the frame, pull down the slide lock, then pull the slide off the frame assembly by sliding forward off the frame
4. On the bottom of the slide assembly, push the recoil spring slightly forward and remove from the assembly.
5. Remove the barrel from the slide

Your PX19 is now field stripped and ready for basic cleaning and lubrication. See 10.2 for details.

## 10.0 CARE & CLEANING

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Your firearm should be cleaned before and after every use. Regular cleaning is important for your firearm to operate correctly. Cleaning your firearm requires it to be field stripped so you can remove carbon, fouling, dust and debris, and add lubrication.

Additional care and cleaning are required when operating the firearm in:

### **DUSTY AND SANDY AREAS**

- Clean the firearm before and after firing and/or at least once per day.
- Reduce excess lubrication to avoid dust, dirt, or sand sticking to the lubrication and causing additional friction and wear in the moving parts.
- Keep the firearm covered whenever possible.

### **TROPICAL CONDITIONS (HOT AND HUMID)**

- Clean the firearm before and after firing and/or at least once per day.
- Keep steel parts well oiled, and inspect for rust at least once per day.
- After handling, wipe the firearm down with an oiled cloth to remove precipitates, which will accelerate corrosion.

### **ARCTIC CONDITIONS**

- Clean the firearm before and after firing and lubricate sparingly with appropriate lubrication
- Cycle the weapon frequently to prevent the mechanism from freezing up

## 10.1 LUBRICANTS

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Any number of lubricating and/or off the shelf gun cleaning oils, greases, or solvents can be used on the PX19. Black Creek Labs recommends a CLP grease for mechanical components, which cleans, lubricates, and protects your firearm.

Do not use lubricants containing graphite as graphite can cause damage to aluminum alloys.

## 10.2 CLEANING AND LUBRICATION

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Your handgun should be cleaned and lubricated regularly to ensure reliable function and long term use. It is recommended that your handgun should be cleaned before you fire it. It should also be cleaned after each time it is fired. It should additionally be cleaned if the handgun has been exposed to adverse conditions. Finally, make sure the firearm is cleaned at least once a year to mitigate any corrosion or contamination.

Once your firearm is field stripped, you can begin to clean as follows:

### **BARREL:**

1. Wet a cleaning patch with some CLP and using the cleaning rod run it through the barrel, starting at the chamber end. Repeat several times.
2. Use a bristle brush and wet it in CLP. Run it back and forth in the barrel starting from the chamber end. Use a cleaning rod to remove any fouling or burnt powder.
3. Using another patch that is wet with CLP, run it through the barrel using the cleaning rod and then examine it. If the patch is not clean repeat steps 2 and 3 until the patch comes out clean from the barrel.
4. Use a fresh patch and run it through the barrel.
5. Lightly wet a clean patch with CLP and run it through the barrel.
6. When you are ready to use your handgun run a clean patch through the barrel starting from the chamber side. Keep repeating until the patch comes out of the barrel with out CLP on it.
7. Wet a bristle brush with CLP and scrub the outside of the barrel to remove any matter buildup.
8. Use a clean patch to wipe the outside dry. Repeat steps 6 and 7 until the patch is clean.

### **SLIDE:**

#### **SLIDE:**

1. Using a soft nylon bristle brush or a cloth coated in CLP and brush the underside of the slide where the slide rides on the frame & where the barrel tilts and operates. Then wipe excess CLP away with a cloth.
2. Using a soft nylon bristle brush or a cloth coated in CLP brush the breech face and extractor area on the slide until clean of debris and carbon fouling.
3. Using CLP and a soft nylon bristle brush or a clean cloth, wipe down any dirt or debris off other exposed areas of the slide.
4. Using a fresh patch wipe any areas that were cleaned in step 5. Repeat steps 5 and 6 until the path comes away clean.
5. Wipe off entire slide assembly with a dry cloth to remove all CLP & cleaning solvents.

## **FRAME:**

1. Using a clean cloth that has been dampened with CLP and wipe down the exposed areas of the frame.
2. Take a clean patch and wipe down all areas cleaned in step 1. Repeat steps 1 and 2 until the patch comes away clean.
3. Wipe off entire frame assembly with a dry cloth to remove all CLP & cleaning solvents.

## **LUBRICATION:**

Make sure not to over lubricate as excess lubrication can collect unburned powder and other debris which can cause your handgun to stop functioning properly.

1. Place a drop of lubricant on the rear end of the trigger bar, where it touches the trigger connector in the back right corner of the frame.
2. Spread a drop of lubricant along the underside of the slide where it rides on the frame rails.
3. Coat the exterior of the barrel and recoil rod in a thin film of lubricant.
4. Place a drop of oil around the extractor area.
5. Wipe away any excess lubricant from non-mechanical moving parts.

## **INSPECTION:**

After you are done cleaning your handgun make sure to inspect all mechanical components to ensure there are no issues with the functionality.

1. Inspect the outside of your frame and slide for dirt, debris, corrosion and visible damage.
2. Inspect the barrel for dirt, bulges, cracks and obstructions.
3. Test the firing pin safety by holding the underside of the slide upwards and pull the firing pin to the rear of the slide. Now it ease the lug forward until it contacts with the firing pin safety. Proceed to push it forward against the safety with 5-8 lbs of force to ensure it does not move past the safety. The tip should also not extend past the breech face.
4. The extractor can be checked visually for cleanliness or damage
5. The ejector can be checked visually for no damage
6. Inspect the slide stop lever by pulling upward on the lever and then release. It should snap quickly back down against the frame.
7. The magazine should be checked for dirt or visible damage. Also press the magazine follower to check for adequate spring tension.

The PX19 is now ready for reassembly. See 11.0 for details.

## 11.0 REASSEMBLY

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To reassemble your PX19, conduct these following steps.

1. Insert the barrel into the slide assembly.
2. Insert the recoil spring assembly by setting the small end of the recoil spring into the indentation on the front of the slide. This is followed by compressing the other end of the assembly towards the front of the slide and pushing it in until the large end of the recoil rod assembly rests in the notch on the barrel locking cams. The recoil spring assembly should be applying tension to the barrel inside of the slide now.
3. Insert the slide onto the frame from the front end of the frame assembly. Align the rails on the frame & pull the slide back until it is fully seated and the action is held open.
4. Slowly release the slide forward until seated with the action closed.
5. Conduct function tests of all safety mechanisms, trigger mechanisms, barrel operation, slide catch, and magazine release to ensure proper reassembly and functionality.

### **INSPECTION:**

Now that the handgun is assembled it should be checked for any functionality issues.

1. The first step is to check the trigger safety. Make sure the handgun is unloaded and no magazine is inserted. Visually and physically ensure there are no cartridges in the chamber. Cycle the slide to make sure the trigger is reset to a forward position. Point the handgun in a safe direction and grasp the sides of the trigger, without grabbing the trigger safety, and pull them backwards firmly. The trigger should not move.
2. The trigger reset should also be tested. With the muzzle of your handgun pointed in a safe direction pull the trigger and hold the trigger to the rear. While continuing to hold the trigger pull the slide all the way back and then release it allowing it to snap back. Now release the trigger. It should snap back to its forward position.
3. The next check is the slide lock. Insert an empty magazine into the gun. Pull the slide fully back and release. The handgun should lock open.

## 12.0 SIGHT PLATES

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Your PX19 has the option to replace the standard iron sights optic plate with Black Creek PX19 red dot optic-ready plate. This allows operators to add their favorite brand of red dot to their PX19.

To change the optic sight plate, conduct the following:

- A) Ensure your firearm is clear and safe to handle
- B) Remove the factory rear iron sight plate by removing the two top screws.
- C) Place the new sight plate on the slide and tighten the two screws to 20 in-lb of torque.
- D) Install your red dot sight as recommended by optic manufacturer.

## 13.0 REVERSING THE MAG CATCH

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The magazine catch on the PX19 is ambidextrous and easily reversible for left-handed or right-handed shooters.

1. To change the magazine catch side simply push the magazine release button in with a soft tipped punch. Then unthread the magazine catch from the other side of the frame.
2. Once unthreaded, remove the magazine release button, stem, and spring, and install them onto the other side of the frame by pushing the magazine release button in all the way and thread the magazine catch onto the stem as far as possible. Using an empty magazine, check for proper engagement with the magazine catch. If the magazine does not get retained fully, thread the catch on another rotation and check again until proper functionality.

## 14.0 CABLE LOCK

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Your handgun may come with a cable lock. You will want to install it to keep your gun stored safely. Pull the slide back and lock the action open. Thread the cable lock through the magazine and out of the ejection port. Keep the key safe.

## 15.0 MAGAZINE

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Your firearm may come with a plastic or steel magazine. To load your magazine, insert each round by positioning it between the lips of the magazine with the bullet pointing forward. Put equal downward pressure on each round so it pushes past the lips and into the magazine. Ensure that each round is pushed as far back into the magazine as possible.

The PX19 is compatible with G19 magazines.

## 16.0 LIMITED LIFETIME WARRANTY

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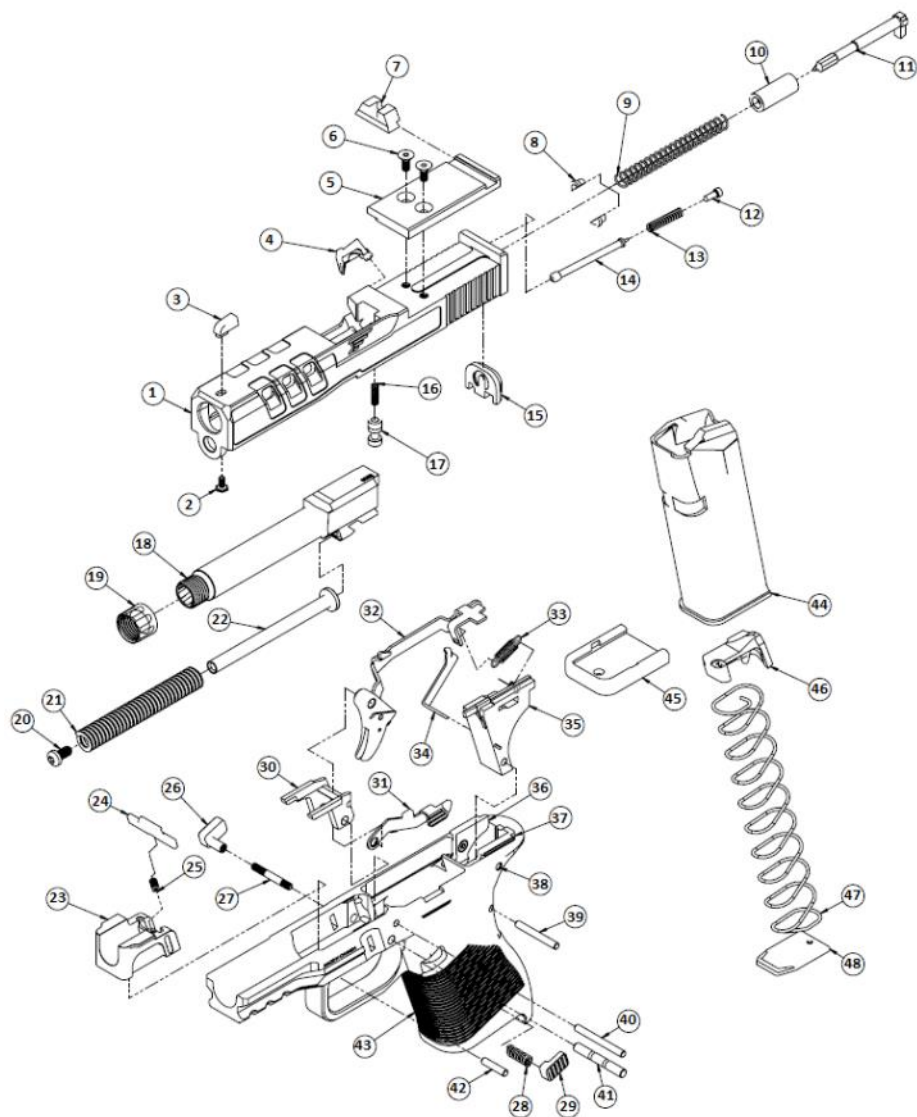
Black Creek Labs warrants to the original retail purchaser of a new firearm from Black Creek Labs that such firearm shall be free from defects in material, workmanship, and mechanical function. Repair or replacement of the firearm is at the discretion of Black Creek Laboratories. The purchaser's remedies under this warranty are limited to repair or replacement of the firearm; firearm must be registered, and a valid warranty claim must be submitted. Black Creek Laboratories will not provide cash, credit, or refund. If Black Creek Laboratories opts to replace the firearm, Black Creek Laboratories will keep the firearm that it replaces. Black Creek Laboratories does not warrant against any type of defect to the firearm that Black Creek Laboratories did not cause, including but not limited to damage or

- Improper maintenance and care,
- Accidents, abuse, or misuse,
- Normal wear; tear; and/or corrosion,
- Barrel obstruction,
- Unauthorized adjustments, repairs, or modifications,
- Improper ammunition



## 17.0 ASSEMBLY AND PARTS

### 17.1 Exploded view



## 17.2 Part list

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#	Part Description
1	Slide
2	Front Sight Screw
3	Front Sight
4	Extractor
5	Optic Plate (Iron Sight Shown)
6	Rear Sight Plate Screws x 2
7	Rear Sight
8	Spring Cups
9	Firing Pin Spring
10	Spacer Sleeve
11	Firing Pin
12	Spring-loaded Bearing
13	Extractor Depressor Plunger Spring
14	Extractor Depressor Plunger
15	Slide Cover Plate
16	Firing Pin Safety Spring
17	Firing Pin Safety
18	Barrel
19	Barrel Thread Protector (Threaded Version Only)
20	Recoil Assembly Screw
21	Recoil Spring
22	Recoil Spring Guide Rod
23	Front Slide Rail Block
24	Slide Lock

## 17.2 Part list (continued)

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#	Part Description
25	Slide Lock Spring
26	Magazine Catch
27	Magazine Catch Rod
28	Magazine Catch Spring
29	Magazine Catch Button
30	Locking Block
31	Slide Stop Lever
32	Trigger & Trigger Bar Assembly
33	Trigger Bar Spring
34	Connector
35	Trigger Mechanism Housing and Ejector
36	Right Hand Rear Frame
37	Left Hand Rear Frame
38	Rear Slide Rail Screw x 2
39	Rear Trigger Pin
40	Locking Block Pin
41	Front Trigger Pin
42	Front Rail Pin
43	Frame
44	Magazine Body
45	Magazine Floor Plate
46	Magazine Follower
47	Magazine Spring
48	Magazine Floor Plate Insert



  
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