



# KRAL ARMS

## KR19

### USER MANUAL

#### 9X19 SEMI AUTOMATIC PISTOL

**READ CAREFULLY BEFORE USING THIS FIREARM IMPORTANT!**

Do not discard! Keep this manual with your rifle. It should accompany the rifle to any new owner.

[www.kralarms.com](http://www.kralarms.com)



[/kralarmstr](#)

## Firearms safety rules

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Read this manual and the warnings contained in it before loading or using your KR19 pistol. This manual explains the function and the handling of your KR19 pistol and warns of the potential dangers, including death and serious personal injury, that can result from the unsafe use of your KR19 pistol. This manual should always accompany your KR19 pistol and be transferred with your KR19 pistol if it is sold or loaned to another person.

We want you to enjoy shooting your KR19 pistol, but we want you to enjoy it safely. Whether you are an experienced shooter or have never handled a firearm before, you must READ THIS ENTIRE MANUAL CAREFULLY before loading or firing your KR19 pistol. This manual gives basic instructions on the proper handling and functioning of your KR19 pistol. Your safety and the safety of others depends on you following the instructions and warnings in this manual and constant use of safe firearms practices. If you are unfamiliar with firearms, take a course in the safe handling of firearms run by a qualified firearms instructor, your local gun club, or a similar qualified organization.

This manual contains several safety warnings and instructions preceded with **⚠ WARNING!**, **⚠ CAUTION!** or **NOTICE!**. These signal words are designed to draw your attention to important safety information. **⚠ WARNING!** indicates a hazardous situation which, if not avoided, could result in death or serious personal injury. **⚠ CAUTION!** indicates a hazardous situation, which, if not avoided, could result in moderate or minor personal injury. **NOTICE!** addresses safety practices not related to personal injury.

The higher level of preparedness required of law enforcement and military personnel may override several of the following safety instructions. To provide safety while operating at a higher level of preparedness, proper initial combat oriented training and a reasonable amount of periodic training which stresses safe tactical procedures is recommended.

**⚠ WARNING!** Failure to follow the safety information and safety instructions in this manual could result in death, serious personal injury and/or property damage.

**⚠ WARNING!** Always seek a doctor's advice if you are taking medication to be sure that you are able to shoot and handle a firearm safely. Never drink alcoholic beverages or take drugs before or while shooting. Your vision and judgment could be seriously impaired, making your firearm handling unsafe.

**⚠ WARNING!** If your KR19 pistol or any other firearm is carelessly or improperly handled, you could cause a negligent discharge, which could result in death, serious personal injury and/or property damage.

**⚠ WARNING!** Always handle your KR19 pistol as if it is loaded so that you never fire negligently.

**⚠ WARNING!** Never point your KR19 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 KR19 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 KR19 pistol because this could cause it to malfunction and create a dangerous condition.

**⚠ WARNING!** Never carry your KR19 pistol out of a suitable holster with a cartridge loaded in the chamber.

**⚠ WARNING!** To store your KR19 pistol, first unload it as described in Chapter 8. Then, after checking to make sure that it is unloaded (magazine removed and chamber empty), place it in the included pistol case or another suitable locked container.

**⚠ WARNING!** Always store and transport your KR19 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.

**⚠ WARNING!** Never store or transport ammunition in the same container as your KR19 pistol.

**⚠ CAUTION!** Most ammunition contains lead in the projectile and/or primer. Discharging firearms in poorly ventilated areas, cleaning firearms, or handling ammunition may result in exposure to lead and other substances known to cause birth defects, reproductive harm, and other serious physical injury. Have adequate ventilation at all times. Always wash hands thoroughly after exposure.

Before it left the factory, your KR19 pistol was tested, carefully inspected, and packaged. Kral Arms, cannot control what happens to the pistol after it leaves the factory, therefore, carefully examine your KR19 pistol when you acquire it to ensure that it is unloaded and undamaged.

If you need another copy of this manual, do not understand any of the warnings and instructions in this manual, or if you have any problems operating your KR19 pistol, contact the KR19 entity for your region.

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Note: The part numbers referenced in parenthesis throughout this manual correspond to the list of component parts and exploded drawing on pages 36-37.

## I. Main features

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The KR19 self-loading pistol, with its no-compromise design, combines all the features demanded of the modern handgun of today – and tomorrow .

- ⑦ Extremely low overall weight
- ⑦ High magazine capacity
- ⑦ Outstanding performance combining advanced methods of manufacturing with top-quality materials.

KR19 pistols have passed the most stringent military and industry test and are known worldwide for their state-of-the-art technology, durability, reliability and accuracy.

The photographs and drawings in this manual reference the KR19 pistol.

**FRAME:** The frame (30) is made of polymer with hardened steel guides. It features an ideal grip angle and low weight. The slide stop lever (29) and the magazine catch (33) are easily operated with the shooting hand. KR19 Blowback pistols feature interchangeable backstraps (36-37) to vary the circumference of the frame and an extended magazine catch that is reversible for right or left hand use. (Note: The part numbers referenced in parenthesis throughout this manual correspond to the list of component parts and exploded drawing on pages 36-37).

**TRIGGER SYSTEM:** KR19's 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.

**⚠ WARNING!** If the trigger is in the forward position, your KR19 pistol may be loaded.

**1. Trigger Safety:** The trigger safety is a lever incorporated into the trigger (20). 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 (15) mechanically blocks the firing pin (10) 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 (10) and prevents the firing pin from moving forward. As the trigger (20) 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.

**⚠ WARNING!** Your KR19 pistol does not have a conventional manual safety and it will fire if the trigger is pulled when there is a round in the chamber.

**⚠ WARNING!** Although KR19 pistols have several internal design features and mechanical safeties designed to prevent an unintentional discharge if the pistol is dropped or hit, the proper and safe function of your KR19 pistol depends on it being used for its intended purposes and not being altered or modified. Like any other mechanical device, if your KR19 pistol is subjected to unusual and extreme forces a part failure can occur. Therefore, safe firearm handling practices and the instructions and safety warnings in this manual must always be followed to minimize the risk of a negligent discharge.

**⚠ WARNING!** In case any of your KR19 pistol's safeties prove to be ineffective for any reason, the possibility of an unintentional discharge exists. If so, your KR19 pistol should be immediately unloaded and not be used again until it has been examined by a KR19.



**SLIDE:** The advanced surface treatment of the slide guide rails (1) results in optimal hardness by considerably reducing wear and tear and makes it corrosion resistant. The slide guide rails are identified by a serial number.



**BARREL:** The barrel (16) is mechanically locked and cold-hammer forged. It also has the same advanced surface treatment as the slide. The rounded (hexagonal) interior profile offers numerous advantages over conventional barrel profiles, including elimination of corners/edges making them considerably easier to clean and maintaining uniform precision even after a high number of rounds have been fired.

**⚠ WARNING!** Never rely solely on your memory to determine whether your KR19 pistol is loaded or unloaded. Always remove the magazine, retract and lock the slide by pulling it fully to the rear and then visually and physically (with your finger) check to make sure there is not a cartridge in the chamber, as fully described in the Unloading Procedure and Safety Check, Chapter 8 (Pages 19-20).



## II. KR19 PISTOL SET

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- KR19 pistol including
- Spare magazine
- Cleaning set (rod with patch holder and brush)
- Instructions for use manual
- Pistol case (for storage and transport)
- Backstrap set
- Trigger Lock



### III. Pistol Nomenclature

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### IV. Functioning of the pistol

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The following describes how the KR19 semi-automatic pistol functions.

When the pistol is in the ready to fire condition – fully loaded with a round in the chamber and a loaded magazine inserted – the trigger is in the forward position with the trigger safety positively protruding from the trigger (24), the firing pin spring (12) is under partial tension, and the drop safety is engaged. The trigger safety prevents the trigger from being moved rearward and the firing pin safety (8) blocks the firing pin (10) from moving forward. (Note: The part numbers referenced in parenthesis throughout this manual correspond to the list of component parts and exploded drawing on pages 36-37).

When the trigger safety is disengaged by depressing it until it is even with the trigger, the trigger can be pulled rearward.

When the trigger slack is taken up to the first pressure point by pulling it rearward about 0.2 in. / 5mm, the trigger bar raises and disengages the firing pin safety and the firing pin is placed under additional tension.

When the trigger is pulled fully to the rear, the trigger bar separates from the end of the firing pin and drops down. This causes the firing pin to release and move forward under pressure to strike the primer of the cartridge in the chamber, thereby causing the pistol to fire. The recoil impulse moves the slide (1) backward.

The slide then continues to move fully rearward by itself, during the process of which the fired cartridge case is pulled out of the chamber of the barrel by the extractor (10), and is thrown out to the right by the ejector (23).

The ramp in the slide rails then separates the connector (26) from the trigger bar causing the trigger bar to be lifted by the trigger spring and brought back into the path of the firing pin lug.

The recoil spring (17) then brings the slide forward. As the slide moves forward and the trigger is released, the following occur:

- the trigger bar is pushed onto the safety ramp by the firing pin;
- the firing pin safety is brought into engagement;
- the firing pin is put back under partial tension;
- the next cartridge is stripped from the magazine and placed into the chamber;
- the trigger returns to the forward position with the trigger safety positively protruding from the trigger.

Each round is automatically loaded until the magazine is empty. After the last round in the magazine has been fired, the slide will remain locked open in the rearward position by the slide stop lever (29). (Note: If you are firing your KR19 pistol without a magazine inserted, the slide will not remain locked open in the rearward position after firing).

## V. Loading



**⚠ WARNING!** Your KR19 pistol does not have a conventional manual safety and it will fire if the trigger is pulled when there is a round in the chamber.

**⚠ WARNING!** Do not use reloaded, remanufactured, or handloaded ammunition because it may not meet applicable SAAMI, CIP or NATO standards and could cause death, serious personal injury, and/or property damage. Only use high quality commercially manufactured ammunition in the same caliber as your KR19 pistol. (Note: Use of reloaded, remanufactured, or handloaded ammunition will void the warranty).

**⚠ WARNING!** Before firing your KR19 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 lubricant 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.

To load the magazine of a KR19 pistol follow the instructions below:

1. Stand the magazine upright on a flat surface.
2. Place your thumb and index finger on the loading assist tabs located on the right and left side of the magazine (Picture 4).
3. Using the load assist tabs, move the follower downward allowing enough room to insert only one cartridge at a time (Picture 5).

Pulling the follower down too far will not allow the cartridges to properly stack within the magazine tube and could result in feeding issues.

4. Continue this process until you reach the desired number of rounds in the magazine or until you reach maximum capacity.

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 on pages 36-37).

If the slide (1) is in the forward position, hold your KR19 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).

or

If the slide is locked in the rearward position, either press the slide stop lever (29) down to release the slide and return it to the fully forward position or grasp the rear of the slide at the serrations with your other hand and pull the slide fully back and then release it, allowing it to return to the fully forward position.

The pistol is now loaded and ready to be fired by pulling the trigger.

**⚠ WARNING!** The KR19 pistol is chambered for 9x19mm ammunition only! Do not use any other type of 9mm ammunition.

**NOTICE!** The Kral Arms is designed to work with a variety of quality 9mm ammunition that is manufactured to SAAMI and/or CIP specifications. KR19 recognizes that some 9 mm ammunition offerings may not produce sufficient energy to fully cycle the slide. Kral Arms also recognizes that the quality of 9 mm. ammunition varies greatly between different types and brands. Therefore, it is recommended that you test fire several fully loaded magazines using your preferred ammunition to ensure optimum performance.

## VI. Firing

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**⚠ WARNING!** Always be sure that the barrel of your KR19 pistol is clear of obstructions before firing it. Remove any obstructions before firing your KR19 pistol so that it will function safely and correctly. 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.

**⚠ WARNING!** In case of a failure to fire, continue to hold your KR19 pistol pointed towards the target for at least 30 seconds. If a hangfire (slow ignition) has occurred, the cartridge should fire within approximately 30 seconds. If the cartridge has not fired, remove the magazine, eject the cartridge from the chamber and examine its primer. If the firing pin indentation is light, or non-existent, stop using your KR19 pistol and have it examined by the Kral Arms entity for your region Kral Arms. or a If the firing pin indentation on the primer appears normal (compared to similar previously fired cartridges) the cartridge may be defective. Separate the cartridge from other live ammunition and empty cases, reload your KR19 pistol and resume firing. (Note: Dispose of misfired cartridges in accordance with the ammunition manufacturer's instructions.)

**⚠ WARNING!** Never use your KR19 pistol if it fails to function properly, and never force the slide closed on a jammed cartridge because it could cause the cartridge to explode.

**⚠ WARNING!** Always wear safety glasses and ear protection when firing your KR19 pistol to protect your eyes and hearing.

**⚠ WARNING!** Always be sure that your backstop is adequate to stop and contain bullets before firing so that you do not hit anything outside of the shooting range area. A bullet could travel through or past your target as far as 2 miles (approximately 3km). If in doubt, do not shoot.

**⚠ WARNING!** Never shoot at a hard surface, such as a rock, or a liquid surface, such as water, because a bullet may ricochet and travel in any direction, striking you or someone else.

**⚠ WARNING!** Your KR19 pistol does not have a conventional manual safety and it will fire if the trigger is pulled when there is a round in the chamber.

**⚠ WARNING!** Always put a responsible and competent person in charge to maintain safety, discipline and control when a group is firing at a range, to reduce the likelihood of a negligent discharge.

**⚠ WARNING!** Always carry your KR19 pistol unloaded with the slide locked open in the rearward position while on a range until preparing to fire. Always keep the pistol pointed towards the backstop when loading, firing and unloading it.

**⚠ CAUTION!** When ready to fire be sure that the area behind the slide is clear (check your thumb) and do not hold the pistol near your body, because the slide will move forcefully rearward when the pistol is fired. (Note: When firing with a two-hand grip, the thumb of the weak hand should be on the weak hand side of the pistol, never behind the slide).

**⚠ CAUTION!** Always keep yourself and others clear of the ejection port because spent cartridges are hot and are ejected with enough force to cause injury. Never touch the slide or barrel immediately after firing because they may be hot and could cause burns.

**⚠ CAUTION!** Except when the slide is locked in the fully rearward position and you are checking to ensure that the chamber is empty, never place your fingers in the ejection port because they could be injured by the movement of the slide.

**⚠ CAUTION!** Never fire your KR19 pistol near an animal unless it is trained to accept that noise. An animal's startled reaction could injure it, or cause it to injure you or someone else.



When the pistol is loaded with a cartridge in the chamber, it can be fired by simply pulling the trigger (20) fully to the rear. (Note: The part numbers referenced in parenthesis throughout this manual correspond to the list of component parts and exploded drawing on pages 36-37).

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 KR19 pistol without a magazine inserted, the slide will not remain locked open in the rearward position after firing).



## VII. Clearing malfunctions (jams)

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**⚠ WARNING!** In case of a failure to fire, continue to hold your KR19 pistol pointed towards the target for at least 30 seconds. If a hangfire (slow ignition) has occurred, the cartridge should fire within approximately 30 seconds. If the cartridge has not fired, remove the magazine, eject the cartridge from the chamber and examine its primer. If the firing pin indentation is light, or non-existent, stop using your KR19 pistol and have it examined by the entity for your region or a Kral Arms. If the firing pin indentation on the primer appears normal (compared to similar previously fired cartridges) the cartridge may be defective. Separate the cartridge from other live ammunition and empty cases, reload your KR19 pistol and resume firing. (Note: Dispose of misfired cartridges in accordance with the ammunition manufacturer's instructions.)

**⚠ WARNING!** If an unfired cartridge hangs up, jams or binds while being chambered, do not attempt to force it into the chamber by pushing or striking the slide to attempt to close it because this could cause the cartridge to burst resulting in fragments of the cartridge flying out of the ejection port with sufficient force to cause death, serious personal injury and/or property damage.

**⚠ WARNING!** Always wear safety glasses when attempting to remove a jammed cartridge to protect your eyes.

All auto-loading pistols may occasionally experience a malfunction (jam) related to the feeding of ammunition. Most malfunctions are caused by improper ammunition, an improper grip on the pistol when shooting (limp wristing), improper lubrication, or a damaged magazine. To minimize the chance of malfunctions (jams), regularly perform preventive maintenance on your KR19 pistol pursuant to the instructions in Chapter 10 of this manual. If you experience a malfunction (jam) while using a new brand, type, or lot of ammunition, try firing another type of ammunition to determine whether the ammunition was the source of the malfunction (jam).

**⚠ WARNING!** Do not use reloaded, remanufactured, or handloaded ammunition because it may not be applicable SAAMI, CIP or NATO standards and could cause death, serious personal injury, and/or property damage. Only use high quality commercially manufactured ammunition in the same caliber as your KR19 pistol. (Note: Use of reloaded, remanufactured, or handloaded ammunition will void the warranty).

If a cartridge becomes jammed while being chambered or extracted, follow the steps below to remove it.

While keeping the muzzle of your KR19 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 (33). (Note: The part numbers referenced in parenthesis throughout this manual correspond to the list of component parts and exploded drawing on pages 36-37).

While holding the grip with your firing hand, with your finger off of the trigger (24) 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 (29) 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.

**WARNING!** *Do not use a metal tool to attempt to remove an unfired cartridge because it could ignite the primer and cause the cartridge to rupture resulting in fragments of the cartridge flying out of the ejection port with sufficient force to cause death, serious personal injury and/or property damage.*

If you are unable to remove the jammed cartridge using the above steps, leave the slide locked in the rearward (open) position and contact the Kral Arms entity for your region or Kral Arms.

## VIII. Unloading procedure and safety check

**⚠ WARNING!** If the trigger is in the forward position, your KR19 pistol may be loaded.

**⚠ WARNING!** Never rely solely on your memory to determine whether your KR19 pistol is loaded or unloaded. Always remove the magazine, retract and lock the slide by pulling it fully to the rear and then visually and physically (with your finger) check to make sure there is not a cartridge in the chamber, as fully described in the Unloading Procedure and Safety Check, (Pages 19-20).

**⚠ WARNING!** It is possible that a cartridge may be in the chamber when a magazine is being removed from or inserted into your KR19 pistol. A cartridge in the chamber will discharge when the trigger is pulled, whether or not a magazine is in your KR19 pistol. Therefore, never leave your KR19 pistol unattended, even when the magazine is removed. You must always verify that the chamber is empty before field stripping (disassembling into its major components) your KR19 pistol for cleaning or any other reason.

To unload your KR19 pistol, follow the instructions below. To ensure that your KR19 pistol is unloaded, you **MUST** proceed in this order.

1. Remove the magazine by pressing the magazine catch (33) (Picture 10). (Note: The part numbers referenced in parenthesis throughout this manual correspond to the list of component parts and exploded drawing on pages 36-37).
2. While holding on the grip with your firing hand, with your finger off of the trigger (24) 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 11).





3. Lock the slide in the rearward (open) position by pushing up on the slide stop lever (29) and slowly releasing the slide from the fully rearward position until it locks in the open position.
4. Physically (with your finger) (Picture 13-14) 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.
6. With the muzzle of your KR19 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 (Picture 15).

## IX. Field stripping

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**⚠ WARNING!** If the trigger is in the forward position, your KR19 pistol may be loaded.

**⚠ WARNING!** Unload all magazines and remove all live ammunition from the area before disassembling your KR19 pistol to reduce the chance of a negligent discharge.

**⚠ WARNING!** Never rely solely on your memory to determine whether your KR19 pistol is loaded or unloaded. Always remove the magazine, retract and lock the slide by pulling it fully to the rear and then visually and physically (with your finger) check to make sure there is not a cartridge in the chamber, as fully described in the Unloading Procedure and Safety Check, Chapter 8 (Pages 19-20).

**⚠ WARNING!** It is possible that a cartridge may be in the chamber when a loaded magazine is being removed from or inserted into your KR19 pistol. A cartridge in the chamber will discharge when the trigger is pulled, whether or not a magazine is in your KR19 pistol. Therefore, never leave your KR19 pistol unattended, even when the magazine is removed. You must always verify that the chamber is empty before field stripping (disassembling into its major components) your KR19 pistol for cleaning or any other reason.

**⚠ WARNING!** Never alter or modify your KR19 pistol because this could cause it to malfunction and create a dangerous condition.

**⚠ WARNING!** Always wear safety glasses when disassembling your KR19 pistol to protect your eyes from components that are under pressure, such as springs.



To field strip (disassemble) your KR19 pistol for cleaning, follow the instructions below. To ensure that your KR19 pistol is unloaded, disassembly **MUST** be performed in this order.

1. Remove the magazine by pressing the magazine catch (33) (Picture 16). (Note: The part numbers referenced in parenthesis throughout this manual correspond to the list of component parts and exploded drawing on pages 36-37).
2. While holding the grip with your firing hand, with your finger off of the trigger (20) 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 KR19 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 KR19 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 KR19 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 (17) toward the front (muzzle end) of the slide while pulling it up to remove it from the slide (Picture 24-25).





12. Holding the barrel by the barrel locking lugs, push it toward the front of the slide (minimum 1cm), lift it and then pull it up and toward the rear to remove it from the slide (Picture 26).

**⚠ WARNING!** Never further disassemble your KR19 pistol (Picture 27). Any further disassembly must be performed by a Kral Arms entity. (Note: Any further disassembly will void warranty unless performed by a Kral Arms entity)

**NOTICE!** When your KR19 pistol is disassembled, never manually reset the trigger to its forward position and then pull it to the rear because this could damage the trigger safety

**NOTICE!** When your KR19 pistol is disassembled, do not manually pull the firing pin (4) to the rear of the slide and allow it to snap forward because this could damage the firing pin and the firing pin safety (8).



## X. Preventive maintenance and inspection

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**⚠ WARNING!** Always be sure that the barrel of your KR19 pistol is clear of obstructions before firing it. Remove any obstructions before firing your KR19 pistol so that it will function safely and correctly. 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.

**⚠ WARNING!** It is possible that a cartridge may be in the chamber when a loaded magazine is being removed from or inserted into your KR19 pistol. A cartridge in the chamber will discharge when the trigger is pulled, whether or not a magazine is in your KR19 pistol. Therefore, never leave your KR19 pistol unattended, even when the magazine is removed. You must always verify that the chamber is empty before field stripping (disassembling into its major components) your KR19 pistol for cleaning or any other reason.

**⚠ WARNING!** Always wear safety glasses when cleaning your KR19 pistol to protect your eyes from cleaning materials.

**⚠ WARNING!** Always make sure that no ammunition is located in the area where you clean your KR19 pistol. Lubricant can affect the primer and powder in ammunition and cause it to malfunction. This could result in a bullet being pushed into the barrel of your KR19 pistol and getting stuck in the barrel could cause the barrel to burst and result in death or serious personal injury, in addition to damaging the pistol.

**⚠ WARNING!** Do not put lubricant or gun oil inside the firing pin channel. Make sure that the magazine (inside and out) and breech face are wiped dry before reassembling your KR19 pistol. Leaving lubricant in these areas could cause contaminations of primers and failure to fire.

**NOTICE!** As with any semi-automatic pistol, your KR19 pistol should be field-stripped (disassembled into its major components) every time it is cleaned. Cleaning without field stripping, by merely locking the slide to the rear and inserting the cleaning rod from the muzzle, can cause dirt, oil and lubricant to build up inside the pistol causing malfunctions.

Like all mechanical devices, your KR19 pistol must be properly maintained to ensure reliable functioning and long service life. Taking proper care of your pistol will also preserve its value. Although your KR19 pistol is highly resistant to adverse conditions, you should follow a regularly scheduled maintenance program to ensure that it is properly cleaned and lubricated to prevent corrosion and to remove accumulated dirt and debris that can affect the action and operation of your pistol.

Your KR19 pistol should be cleaned and lubricated as follows:

1. when brand new, before first time it is fired, plus
2. after each time it is fired, plus
3. as required. This will be determined by your pistol's exposure to adverse conditions during storage or use such as rain, snow, perspiration, salt water, dirt, dust, lint, etc. Additionally, your pistol should be cleaned and inspected if it has been dropped or if any broken parts are suspected or malfunctions experienced, plus
4. at least every 100 rounds fired ensuring protection against your firearm jamming or losing accuracy.

To clean your KR19 pistol, first disassemble it into its five main components, the slide (1), barrel (2), recoil spring assembly (3), frame (17), and magazine, pursuant to the instructions in Chapter 9. Always use cleaning patches and brushes of the proper size for the caliber of your KR19 pistol. (Note: The part numbers referenced in parenthesis throughout this manual correspond to the list of component parts and exploded drawing on pages 36-37).

**BARREL:** Clean the barrel as follows:

1. Wet a cleaning patch with cleaner and run it through the barrel, from the chamber end, several times using a cleaning rod.
2. Wet a bristled cleaning brush with cleaner and run it back and forth in the barrel, from the chamber end (Picture 28), using a cleaning rod to remove any fouling and burned powder.
3. Wet another cleaning patch with cleaner and run it through the barrel once, from the chamber end, with the cleaning rod and examine it. If it is not clean, repeat steps 2 and 3 until the patch remains clean after being run through the barrel.
4. Run a clean patch through the barrel, from the chamber end, using the cleaning rod.
5. Lightly wet a clean patch with gun oil or cleaner and run it through the barrel from the chamber end.
6. Before firing your KR19 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 lubricant on it.





**NOTICE!** If you will be storing your KR19 pistol do not perform step 6 until you are ready to use it.

7. Wet a metal bristle brush with cleaner and thoroughly brush the outside of the barrel to remove any dirt or residue.
8. Wipe the outside of the barrel dry with a clean patch and examine it. If it is not clean, repeat steps 7 and 8 until the patch remains clean.

SLIDE: (Note: The copper colored lubricant on portions of the slide of brand new KR19 pistols is intended to help provide long-term lubrication and should not be removed). Clean the slide as follows:

1. Wet a nylon bristle brush with cleaner and thoroughly brush the rail cuts in the slide where it meets the slide rails on the frame (Picture 29).
2. Wipe the rail cuts in the slide with a clean patch and examine it. If it is not clean, repeat steps 1 and 2 until the patch remains clean (except copper colored long-term lubrication).
3. Wet a nylon bristle brush with cleaner and, while holding the slide with the muzzle end facing down, brush the breech face and the area under the extractor claw (Picture 29).
4. While holding the slide with the muzzle end facing down, wipe the breech face and the area under the extractor claw (4) (Picture 29) with a clean patch and examine it. If it is not clean, repeat steps three and four until the patch remains clean.

5. Check all other exposed areas of the slide for cleanliness. If any dirt or debris is found, remove it with lubricant using a nylon bristle brush, patch, or a clean, soft cloth.
6. Wipe the exposed areas of the slide that you have cleaned in step 5 with a clean patch and examine it. If it is not clean, repeat steps 5 and 6 until the patch remains clean.

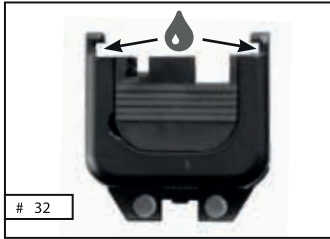
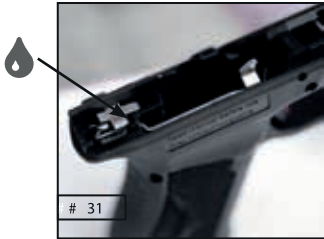
FRAME: Check the frame for cleanliness. If necessary, clean the frame as follows:

1. Wipe exposed parts of the frame with a clean, soft cloth that has been slightly dampened with cleaner.
2. Wipe the exposed areas of the frame that you have cleaned in step 1 with a clean patch and examine it. If it is not clean, repeat steps 1 and 2 until the patch remains clean.



After you have cleaned your KR19 pistol, lubricate it as follows:

1. Slightly dampen a clean patch with gun oil or lubricant and wipe the outside of the barrel, including the barrel hood and lug (Picture 30), the inside top of the slide in front of the ejection port where the barrel hood rubs against the slide, and the opening that the barrel slides through in front of the slide.
2. Place a drop of gun oil or lubricant where the rear end of the trigger bar (24) touches the connector (26) at the right rear corner of the frame (Picture 31).



3. Spread one drop of gun oil or lubricant along the entire length of each slide rail cut (Picture 32).
4. Slightly dampen a clean patch with gun oil or lubricant and wipe the exterior surfaces of the slide.

**⚠ CAUTION!** KR19 pistols are designed to operate properly with only small amounts of lubrication. Do not over-lubricate your KR19 pistol because too much lubricant can collect unburned powder and other debris and prevent your KR19 pistol from functioning properly.

After you have finished cleaning and lubricating your KR19 pistol, you should perform a limited (user-level) inspection to help confirm that it is functioning properly. If your pistol fails any of the following checks, contact the KR19 entity for your region or Kral Arms. To inspect your KR19 pistol, follow these steps before reassembling it:

1. **EXTERNAL INSPECTION:** Inspect the outside of your frame and slide for dirt, corrosion, or any visible damage. Pay special attention to the sights (3 & 5), trigger and trigger safety (24), slide stop lever (29), magazine catch (33), and extractor (4).
2. **BARREL INSPECTION:** Inspect the barrel (16) for dirt, leading, bulges, cracks or obstructions.

**⚠ WARNING!** Do not use a cracked, bulged, or obstructed barrel. Contact the entity for your region or a for repair or replacement.

3. **FIRING PIN SAFETY TEST:** Hold the slide and pull the lug of the firing pin (10) (Picture 33), all the way to the rear of the slide and then ease it forward until it stops in contact with the firing pin safety (15).

**NOTICE!** The firing pin is held in the forward position under spring pressure. Do not allow the firing pin to snap forward against the firing pin safety because this could cause damage to the firing pin and/or the firing pin safety.

Then press the lug of the firing pin (10) forward with your forefinger using moderate force (approximately 5-8 lbs. / 23-36 N). The firing pin must not move forward past the firing pin safety (15), and must not protrude from the breech face of the slide.

**⚠ WARNING!** If the firing pin safety fails to keep the firing pin from moving forward. **DO NOT LOAD OR FIRE YOUR KR19 PISTOL.** Instead, have it inspected and repaired by the entity for your region or a Kral Arms Representative.

4. **FIRING PIN:** Hold the slide with the muzzle end downward, and press the firing pin safety into the slide with your fingertip. The firing pin should move downward, and the tip of the firing pin should protrude from the breech face. (Note: On brand new pistols you may need to apply light downward pressure to the rear of the firing pin lug with your finger to assist the firing pin in moving downward).





5. **FIRING PIN CHANNEL:** Hold the firing pin safety depressed with your fingertip, and vigorously shake the slide from end to end. You should hear the firing pin moving freely in the firing pin channel.
6. **EXTRACTOR:** Look across the breech face to inspect the extractor for cleanliness and to be sure the extractor claw is not broken.
7. **EJECTOR:** Inspect the ejector (23) (in the frame of the pistol) to ensure that it is intact (not broken) (Picture 34).
8. **SLIDE STOP LEVER TEST:** Pull upward on the slide stop lever and release. The lever should snap down sharply into the frame. If the lever's return to the downward position is sluggish, or it remains in the upward position, contact the KR19 entity for your region or a KR19
9. **MAGAZINE INSPECTION:** Inspect all magazines for dirt or visible damage, taking special care to look for spread or damaged feed lips or broken magazine followers (Picture 35). Press down on the follower with your fingertip and release. The follower should spring fully upward, and should not stick inside the magazine tube.



## XI. Reassembly and inspection

**⚠ WARNING!** Always wear safety glasses when reassembling your KR19 pistol to protect your eyes from springs.

To reassemble your KR19 pistol, follow the instructions below.

1. Holding the barrel (2) by the barrel locking cams, insert it into the slide (1) by pushing it down through the muzzle (Picture 36). (Note: The part numbers referenced in parenthesis throughout this manual correspond to the list of component parts and exploded drawing on pages 36-37).
2. Insert the recoil spring assembly (3) into the slide by placing the small end of the recoil spring assembly in the indentation in the front of the slide and pressing the other end of the recoil spring assembly towards the front of the slide to compress the spring and pushing down until the large end of the recoil spring assembly rests in the second (semi-circular) notch on the barrel locking cams (Pictures 37-39).
3. Holding the frame in your firing hand, with your finger off of the trigger and outside of the trigger guard, place the slide on top of the frame (17) in front of the slide rails and push the slide towards the back of the frame until the slide lock (27) snaps up to lock the slide into place (Picture 40).





After you have reassembled your KR19 pistol, you should inspect it to ensure that it is working properly by performing the following steps:

1. **TRIGGER SAFETY TEST:** Confirm that your KR19 pistol is unloaded by making sure the magazine is not inserted in the pistol and visually and physically (with your finger) checking to make sure that there is not a cartridge in the chamber. Cycle the slide to reset the trigger to the forward position. With the muzzle of your KR19 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), grasp the sides of the trigger (without touching or depressing the trigger safety) and attempt to pull the trigger to the rear (Picture 41). The trigger safety should prevent rearward movement of the trigger, and the pistol should not dry fire.

**⚠ WARNING!** If the trigger safety fails to keep the trigger from moving rearward, and the pistol dry fires, **DO NOT LOAD OR FIRE YOUR KR19 PISTOL** and have it inspected and repaired by the KR19 entity for your region or Kral Arms

2. **TRIGGER RESET TEST:** With the muzzle of your KR19 pistol pointed in a safe direction, pull the trigger and hold the trigger to the rear. You should hear and feel the firing pin release. While continuing to hold the trigger to the rear, pull the slide to the rear (Picture 42) and release it, allowing it to snap forward. Now release the trigger. The trigger should reset to its forward position. Repeat the trigger reset test several times.

3. SLIDE LOCK-OPEN TEST: Insert an EMPTY magazine into your pistol. Pull the slide fully to the rear. The slide should lock open (Picture 43). Repeat the slide lock-open test using each of your EMPTY magazines.



In addition to the limited (user level) inspection described in this manual, KR19 pistols carried by law enforcement, security, or military personnel and other KR19 pistols subjected to heavy usage, should be inspected periodically by a Kral Arms or by returning the pistols to the Kral Arms Representative entity for your region for inspection. Although the appropriate inspection interval will depend on the conditions of use, a reasonable rule of thumb for law enforcement, security, or military personnel is that the pistols should be inspected by a Kral Arms once a year. To locate a Kral Arms Representative in your area or before returning the pistol for inspection, contact your local KR19 dealer or the Kral Arms Representative entity for your region.

## XVI. Component parts

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|    |                                    |    |                                   |
|----|------------------------------------|----|-----------------------------------|
| 1  | SLIDE                              | 21 | TRIGGER SAFETY PIN                |
| 2  | FRONT SIGHT SCREW                  | 22 | TRIGGER BAR PIN                   |
| 3  | FRONT SIGHT                        | 23 | EJECTOR                           |
| 4  | EXTRACTOR                          | 24 | TRIGGER BAR                       |
| 5  | REAR SIGHT                         | 25 | TRIGGER BAR HOUSING               |
| 6  | EXTRACTOR DEPRESSOR PLUNGER        | 26 | CONNECTOR                         |
| 7  | EXTRACTOR DEPRESSOR PLUNGER SPRING | 27 | SLIDE LOCK                        |
| 8  | SPRING-LOADED BEARING              | 28 | SLIDE LOCK SPRING                 |
| 9  | SLIDE COVER PLATE                  | 29 | SLIDE STOP LEVER                  |
| 10 | FIRING PIN                         | 30 | FRAME                             |
| 11 | SPACER SLEEVE                      | 31 | LOCKING BLOCK FIXING PIN          |
| 12 | FIRING PIN SPRING                  | 32 | TRIGGER PIN                       |
| 13 | FIRING PIN SPRING CUPS             | 33 | MAGAZINE CATCH                    |
| 14 | FIRING PIN SAFETY SPRING           | 34 | MAGAZINE CATCH SPRING             |
| 15 | FIRING PIN SAFETY                  | 35 | MAGAZINE FLOOR PLATE              |
| 16 | BARREL                             | 36 | BACKSTRAP                         |
| 17 | RECOIL SPRING ASSEMBLY             | 37 | BACKSTRAP AND BEAVERTAIL ASSEMBLY |
| 18 | LOCKING BLOCK                      | 38 | BACKSTRAP PINS                    |
| 19 | TRIGGER SAFETY LEVER               | 39 | MAGAZINE                          |
| 20 | TRIGGER                            |    |                                   |



## XVI. Technical data

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|                          |            |              |
|--------------------------|------------|--------------|
| TRIGGER PULL (~)         | N<br>lbs   | 26<br>5.8    |
| TRIGGER TRAVEL (~)       | mm<br>inch | 12,5<br>0.49 |
| WEIGHT LOADED (~)        | g<br>oz    | 453<br>15.98 |
| WEIGHT INCL.<br>MAGAZINE | g<br>oz    | 418<br>14.7  |
| MAGAZINE CAPACITY        | rounds     | 10           |
| BARREL RIFLING           |            | 6            |
| LENGTH OF TWIST          | mm<br>inch | 406<br>15.98 |
| BARREL LENGTH            | mm<br>inch | 102<br>4.02  |
| SIGHT RADIUS             | mm<br>inch | 158<br>6.22  |
| HEIGHT INCL.<br>MAGAZINE | mm<br>inch | 128<br>5.04  |
| SLIDE WIDTH              | mm<br>inch | 25,5<br>1.00 |
| WIDTH (OVERALL)          | mm<br>inch | 32<br>1.26   |
| SLIDE LENGTH<br>COMPLETE | mm<br>inch | 174<br>6.85  |
| LENGTH (OVERALL)         | mm<br>inch | 185<br>7.28  |
| CALIBER                  |            | 9mm          |
| MODEL                    |            | KR19         |

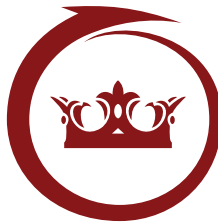
## Youth Handgun Safety Notice

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- 1 The misuse of handguns is a leading contributor to juvenile violence and fatalities.
- 2 Safely storing and securing firearms away from children will help prevent the unlawful possession of handguns by juveniles, stop accidents, and save lives.
- 3 Law prohibits, anyone under 18 years of age from knowingly possessing a handgun, or any person from selling, delivering, or otherwise transferring a handgun to a person under 18.
- 4 A knowing violation of the prohibition against selling, delivering, or otherwise transferring a handgun to a person under the age of 18 is, under certain circumstances, punishable by prison.

**WARNING!**

Exercise you local law when handling, storing or transferring this gun to any other user.



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