Manuale di Istruzione
Instruction Manual
ENGLISH
Illustrations on pages 2, 53, 54, 85 and 86

ALWAYS KEEP THIS MANUAL WITH YOUR FIREARM. INCLUDE IT WITH THE PISTOL WHEN IT CHANGES OWNERSHIP OR WHEN IT IS LOANED OR PRESENTED TO ANOTHER PERSON.

CAUTION: The Manufacturer and/or its Local Official Distributors assume no responsibility for product malfunction or for physical injury or property damage resulting in whole or in part from criminal or negligent use of the product, improper or careless handling, unauthorized modifications, use of defective, improper, hand-loaded, reloaded or remanufactured ammunition*, customer abuse or neglect of the product, or other influences beyond manufacturer’s direct and immediate control.

* See paragraph “Ammunition”.

WARNING: Always ensure that the safety is full engaged (if present) until ready to fire. A safety, which is not fully engaged, will not prevent firearm discharge.

WARNING: ALL FIREARMS HAVE LETHAL POTENTIAL. READ THE BASIC SAFETY RULES CAREFULLY AND UNDERSTAND THEM FULLY BEFORE ATTEMPTING TO USE THIS FIREARM.

In addition to the Basic Safety Rules, there are other Safety Rules pertaining to the loading, unloading, disassembly, assembly and use of this firearm, located throughout this manual.

WARNING: READ THE ENTIRE MANUAL CAREFULLY BEFORE USING THIS FIREARM. MAKE SURE THAT ANY PERSON USING OR HAVING ACCESS TO THIS FIREARM READS AND UNDERSTANDS ALL OF THIS MANUAL PRIOR TO USE OR ACCESS.

WE RECOMMEND THE USE OF ORIGINAL BERETTA SPARE PARTS AND ACCESSORIES. THE USE OF OTHER MANUFACTURER’S SPARE PARTS AND ACCESSORIES COULD CAUSE MALFUNCTIONS AND/OR BREAKAGES THAT WILL NOT BE COVERED BY THE BERETTA WARRANTY.
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This instruction manual consists of 86 pages.
BASIC SAFETY RULES

WARNING: PLEASE READ THIS MANUAL BEFORE HANDLING YOUR FIREARM.

WARNING: FIREARMS CAN BE DANGEROUS AND CAN POTENTIALLY CAUSE SERIOUS INJURY, DAMAGE TO PROPERTY OR DEATH, IF HANDLED IMPROPERLY. THE FOLLOWING SAFETY RULES ARE AN IMPORTANT REMINDER THAT FIREARM SAFETY IS YOUR RESPONSIBILITY.

1. NEVER POINT A FIREARM AT SOMETHING THAT IS NOT SAFE TO SHOOT.
   Never let the muzzle of a firearm point at any part of your body or at another person. This is especially important when loading or unloading the firearm. When you are shooting at a target, know what is behind it. Some bullets can travel over a mile. If you miss your target or if the bullet penetrates the target, it is your responsibility to ensure that the shot does not cause unintended injury or damage.

2. ALWAYS TREAT A FIREARM AS IF IT WERE LOADED.
   Never assume that a firearm is unloaded. The only certain way to ensure that a firearm has the chamber(s) empty is to open the chamber and visually and physically examine the inside to see if a round is present.
Removing or unloading the magazine will not guarantee that a firearm is unloaded or cannot fire. Shotguns and rifles can be checked by cycling or removing all rounds and by then opening and inspecting the chamber so that a visual inspection of the chamber for any remaining rounds can be made.

3. STORE YOUR FIREARM SO THAT CHILDREN CANNOT GAIN ACCESS TO IT.

It is your responsibility to ensure that children under the age of 18 or other unauthorized persons do not gain access to your firearm. To reduce the risk of accidents involving children, unload your firearm, lock it and store the ammunition in a separate locked location. Please note that devices intended to prevent accidents - for example, cable locks, chamber plugs, etc, - may not prevent use or misuse of your firearm by a determined person. Firearm storage in a steel gun safe may be more appropriate to reduce the likelihood of intentional misuse of a firearm by an unauthorized child or person.
4. NEVER SHOOT AT WATER OR AT A HARD SURFACE.
Shooting at the surface of water or at a rock or other hard surface increases the chance of ricochets or fragmentation of the bullet or shot, which can result in the projectile striking an unintended or peripheral target.

5. KNOW THE SAFETY FEATURES OF THE FIREARM YOU ARE USING, BUT REMEMBER: SAFETY DEVICES ARE NOT A SUBSTITUTE FOR SAFE HANDLING PROCEDURES.
Never rely solely on a safety device to prevent an accident. It is imperative that you know and use the safety features of the particular firearm you are handling, but accidents can best be prevented by following the safe handling procedures described in these safety rules and elsewhere in the product manual. To further familiarize yourself with the proper use of this or other firearms, take a Firearms Safety Course taught by an expert in firearms use and safety procedures.

6. PROPERLY MAINTAIN YOUR FIREARM.
Store and carry your firearm so that dirt or lint does not accumulate in the working parts. Clean and oil your firearm, following the instructions provided in this manual, after each use to prevent corrosion, damage to the barrel or accumulation of impurities which can prevent use of the gun in an emergency. Always check the bore and chamber(s) prior to loading to ensure that they are clean and free from obstructions. **Firing with an obstruction in the barrel or chamber can rupture the barrel and injure you or others nearby.** In the event you hear an unusual noise when shooting, stop firing immediately, engage the manual safety
and unload the firearm. Make sure the chamber and barrel are free from any obstruction, like a bullet blocked inside the barrel due to defective or improper ammunition.

7. USE PROPER AMMUNITION.
Only use factory-loaded, new ammunition manufactured to industry specifications: CIP (Europe and elsewhere), SAAMI® (U.S.A.). Be certain that each round you use is in the proper caliber or gauge and type for the particular firearm. The caliber or gauge of the firearm is clearly marked on the barrels of shotguns and on the slide or barrel of pistols. The use of reloaded or remanufactured ammunition can increase the likelihood of excessive cartridge pressures, case-head ruptures or other defects in the ammunition that can cause damage to your firearm and injury to yourself or others nearby.

8. ALWAYS WEAR PROTECTIVE GLASSES AND EARPLUGS WHEN SHOOTING.
The chance that gas, gunpowder or metal fragments will blow back and injure a shooter who is firing a gun is rare, but the injury that can be sustained in such circumstances can be severe, including the possible loss of eyesight. A shooter must always wear impact resistant shooting glasses when firing any firearm. Earplugs or other high-quality hearing protectors help reduce the chance of hearing damage from shooting.

9. NEVER CLIMB A TREE, FENCE OR OBSTRUCTION WITH A LOADED FIREARM.
Open and empty the chamber(s) of your firearm and engage the manual safety before climbing or descending a tree or before climbing a fence or jumping over a ditch or other obstruction. Never pull or push a loaded firearm toward yourself or another person. Always unload a firearm, visually
and physically check to see that the magazine, loading mechanism and chamber are unloaded, and action is open before handing it to another person. Never take a firearm from another person unless it is unloaded, visually and physically checked to confirm it is unloaded, and the action is open.

10. AVOID ALCOHOLIC BEVERAGES OR JUDGMENT/REFLEX IMPAIRING MEDICATION WHEN SHOOTING.
Do not drink and shoot. If you take medication that can impair motor reactions or judgment, do not handle a firearm while you are under the influence of the medication.

11. NEVER TRANSPORT A LOADED FIREARM.
Unload a firearm before putting it in a vehicle (chamber empty, magazine empty). Hunters and target shooters should load their firearm only at their destination, and only when they are ready to shoot. If you carry a firearm for self-protection, leaving the chamber unloaded can reduce the chance of an unintentional discharge.

12. LEAD WARNING.
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. Wash hands thoroughly after exposure.
**WARNING:** It is YOUR responsibility to know and abide by Federal, State and Local laws governing the sale, transportation and use of firearms in your area.

**WARNING:** This firearm has the capability of taking your life or the life of someone else! Always be extremely careful with your firearm. An accident is almost always the result of not following basic firearm safety rules.

**Especially for U.S. consumers:**
For information about Firearm Safety Courses in your area, please visit the National Rifle Association’s web site at www.nra.org.
Type G

hammer decocked, safety disengaged

Fig. 5

Type D

hammer decocked, safety engaged

Fig. 6

hammer half-cocked, safety disengaged

Fig. 7

hammer cocked, safety disengaged

Fig. 8
DESCRIPTION

The new Beretta 90-two semiautomatic pistol incorporates new and unique benefits while maintaining all of the advanced performance and safety features that have made the 92 pistol series an international legend.

The new Beretta 90-two features a brand new look with innovative lines and rounded contours that permit comfortable carry and a smooth and rapid extraction from the holster.

Designed with extreme care in every detail, the Beretta 90-two is complete with a large array of safety features. Each one is specifically studied to take into account the ergonomics, design and to obtain the best accessibility to the hand that grips the pistol. The interchangeability and modularity of the components, together with the integral accessory rail and the removable grip unit, make this pistol ready to meet any operational requirement.

The Beretta 90-two is available in both the traditional single/double action and in the double-action-only version. All feature new higher capacity magazines in the 9mm x 19 Parabellum (Luger), 9mm x 21 IMI and .40 S&W calibers.

SAFETY FEATURES

WARNING: Each version of the Beretta 90-two pistol offers different features. Carefully read the following paragraph that describes the specific characteristic of your 90-two model. They provide important safety information.

NOTICE: The numbers in the figures refer to the photos on pages 53 and 54.

90-two Type F (Fig. 1-2): Double/single action. Ambidextrous manual safety on the slide with hammer decocking function, automatic firing pin block safety (Fig. 5, 6, 7 and 8).

90-two Type G (Fig. 3): Double/single action. Ambidextrous manual lever on the slide with hammer decocking function with the return of the lever to the firing position, automatic firing pin block safety.

90-two Type D (Fig. 4): Double action only. Without manual safety-hammer decocking. The spurless hammer, after each shot, returns to the decocked position. Automatic firing pin block safety.
Manual safety-hammer decocking lever (Type F only) (Fig. 1-2/A). The Beretta 90-two pistols in Type F version are equipped with an ambidextrous safety lever positioned on the slide that disconnects the linkage between the trigger and the sear, allowing to decock the hammer (if cocked or if positioned on the half-cock position) with maximum safety, thanks to the rotation of the rear part of the firing pin. The safety may be engaged also with the hammer decocked (Fig. 6) and with slide open.

Hammer decocking lever on the slide (Type G only) (Fig. 3). In G configuration, the lever only decocks the hammer and rotates the rear part of the firing pin (the hammer decocking lever, after operation, automatically returns to the firing position).

Loaded Chamber Indicator (On all models) (Fig. 2/B). The loaded chamber indicator is a small red tab (extractor) that protrudes further from the slide when a round is in the chamber. The tab is located on the right side of the pistol’s slide, near the cartridge chamber, and can be both seen and felt, allowing the user to check the chamber at night by feel or during the day by checking for the increased protrusion of the red tab.

Note: The most certain way to check whether a pistol is loaded is to pull back on the slide and visually inspect the chamber for a round. Loaded chambers indicator are designed primarily to allow noiseless inspection of the pistol to ensure that is loaded in situations when it may be dangerous to operate the slide (the action of pulling back on the slide may make noise and will temporarily render the pistol inoperable) or when it is dark.

WARNING: In order to permit the use of the pistol in emergency situations, these models are NOT provided with a magazine safety. They are therefore capable of firing, when a round is chambered, even if the magazine has not been inserted or if it has been removed or if it has been dislodged from its seat.

Automatic firing pin block safety (All models) (Fig. 1/C). The Beretta 90-two pistols have a blocking device that prevents forward movement of the firing pin unless the trigger is completely pulled.

Slide catch (slide stop) (On all models) (Fig. 1/D). The slide catch is a lever that holds the slide open and rearward after the
last round is fired. This allows the user to immediately determine that the pistol does not have a round in the chamber or in the magazine.

**Slide overtravel stop (On all models)**. The hammer pin head has been enlarged to enter a matching groove cut into the slide rail to stop slide breech recoil over travel.

**External hammer (Type F and G)** (Fig. 1-2/E and Fig. 3). The external hammer (hammer spur) allows to immediately check if the hammer is cocked, on the half-cock notch, or decocked. The hammer in D configuration (Type D) is spurless (Fig. 4).

**Half-cock notch (on hammer) (Type F and G)** (Fig. 7). The hammer in 90-two Type F and G configurations has a half-cock notch that will catch on the sear, before striking the firing pin, should the hammer be released inadvertently by violently striking or dropping the pistol. In Type D configuration, double action only version, the hammer is spurless (Fig. 4).

**OPERATIONAL FEATURES**

**NOTICE**: The numbers in the figures refer to the photos on pages 53 and 54.

**Semiautomatic firing**. All 90-two Beretta pistols will automatically reload after each round is fired, as long as there are cartridges in the magazine.

**The locked-breech locking system** with falling locking block and the barrel short recoil operation are a warranty of long-life and shooting accuracy.

**Single/double action (Type F and G only)**. The Type F and G versions fire double action on the first round (the pull on the trigger in the double action mode will first cock the hammer completely and then release it to strike the firing pin) and single action on the following rounds (as the hammer stays in the cocked position after the first round). The first round can be fired also in single action mode if the hammer is manually cocked prior to pulling the trigger. The short and light single action trigger
pull allows for faster, more accurate discharge of subsequent rounds. The long and heavy double action trigger pull is considered a safety feature because it also helps reduce the likelihood of unintentional discharge.

The hammer of the **models Type F and G** has three different positions (the hammer of the **Type D version** is spurless and has no half-cock notch):

1. **Decocked hammer** (**Fig. 5-6**): The hammer is in the fully lowered position. The pull on the trigger in the double action mode will first cock the hammer completely and then release it to strike the firing pin (double action).

2. **Hammer in the half-cocked position** (**Fig. 7**): By pulling the hammer rearward for a few millimeters its half-cock notch will be caught on the sear. You will feel and hear the hammer “click” into the half-cocked position. The pull on the trigger in the double action mode will first cock the hammer completely and then release it to strike the firing pin (double action).

3. **Cocked hammer** (**Fig. 8**): By pulling the hammer rearward completely you will feel and hear the hammer (click) into the full-cocked position. The hammer is now in the firing position. The pull on the trigger will release the hammer immediately to strike the firing pin (single action).

**Double action only (Type D)** (**Fig. 4**). The pull on the trigger will first cock the hammer completely and then release it to strike the firing pin in the same motion. On Type D version (double action only) the hammer follows the slide rearward and forward to come to rest every time in the decocked position. The long and heavy double action trigger pull is considered a safety feature because it also helps reduce the likelihood of unintentional discharge.

**Accessory rail (On all models)** (**Fig. 2/F**). Located forward and under the barrel, a rail is machined integral to the frame and allows the mounting of light and laser accessories. A practical accessory rail cover (**Fig. 1-2/G**) (which can be mounted when an accessory is not used) protects the rail from accidental impacts and covers its corners to facilitate the insertion and extraction of the pistol from holsters.
Interchangeable, luminescent Superluminova® sights (On all models) (Fig. 1/H). The high definition 3-dot sight system is coated in Superluminova®, a special photosensitive material. Short exposure to any kind of light, is enough to ensure long lasting luminescence. Rear and front sights can be removed for replacement with other types of sights of different height. The unique design of the sights has resulted in a 5mm increase to the sight radius when compared to the classic Model 92 series. This results in a more precise alignment of the barrel to the target during shooting. Tritium night sights are also available, upon request.

High capacity magazine (Fig. 1-2/I). The Beretta 90-two pistols have an easily removable, high capacity staggered magazine, that allows for rapid reloading and extended use of the firearm in special operating situations:
The type and capacity of magazine for the 90-two pistols is as follows:

90-two cal. 9mmx19 Parabellum - staggered magazine with 10, 15 or 17 rounds*
90-two cal. 9mmx21 IMI - staggered magazine with 15 rounds
90-two cal. .40 S&W - staggered magazine with 10, 11 or 12 rounds

* For some markets and in compliance to local legal restrictions, extended magazine bottoms can be applied to increase the magazine capacity to 20 rounds for caliber 9mmx19.

CAUTION: Consult local authorities for magazine capacity restrictions that may apply in your locale.

Skeletonized hammer (Type F and G) (Fig. 1-2/E and Fig. 3). The distinctive hammer is significantly faster and lighter.

Simple field stripping, cleaning and re-assembly (On all models) (Fig. 1-2/L). The pistol is designed for extremely quick and simple field stripping and to avoid casual or involuntary disassembly. Reassembly is easy and accidental misassembly of parts is prevented by the distinctive design. The slide locks automatically when it passes beyond the rear section of the frame.
DESIGN AND ANATOMICAL FEATURES

NOTICE: The numbers in the figures refer to the photos on pages 53 and 54.

THE FOLLOWING FEATURES ARE COMMON TO ALL 90-TWO MODELS

Newly designed frame. (Fig. 2/M) The Beretta 90-two is a light and technically advanced pistol that ensures trouble-free insertion and holster extraction, thanks to its rounded and truly snag-free surfaces. Inside the frame, near the disassembly lever, a metallic recoil buffer reduces the impact of the slide assembly against the frame during the shooting cycle. By redistributing the stresses, the recoil buffer increases the service life of the firearm.

Trigger guard (Fig. 1/N) is also rounded to ensure, when firing with two hands, the correct positioning of the supporting hand.

Newly designed slide (Fig. 1/O) and slide catch (Fig. 1/D). The sides of the slide are smoothed and snag-proofed easing the insertion and removal of the pistol from its holster. The rear transversal serrations on the slide allow for a firm grip even in moist conditions, facilitating slide operation and safety control. The slide catch (slide stop) has been redesigned to conform to the unique lines of the slide and frame. The slide and other metal parts such as the slide catch, the disassembly latch, the safety lever (if present) and the sights are coated with Bruniton, a material that provides superior corrosion resistance and reduced friction between frame and slide.

Ergonomic and modular grip (Fig. 1-2/P1 and P2). The new locking mechanism of the single-piece grip unit allows for quick and easy standard grip (P1) replacement. An optional slim accessory grip (P2) is available to better adapt to smaller hands. The rear upper part of the grip is precisely curved and relieved for a firmer, more comfortable grip and to snugly fit the shooter’s hand. Both the front and the rear part of the integral grip boast a comfortable scaled surface that, not only has great aesthetic impact, but considerably improves grip, even in moist conditions.

Reversible magazine release button (Fig. 1-2/Q). The newly designed magazine release button can be mounted on either side depending on shooter preference.
### SPECIFICATIONS AND TECHNICAL DATA

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Type F, G, D</th>
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<tbody>
<tr>
<td>Caliber</td>
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<tr>
<td>Magazine capacity (rounds)*</td>
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<td>Rifling Pitch</td>
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<tr>
<td>Rifling</td>
<td>R.H., 6 grooves</td>
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<tr>
<td>Operation</td>
<td>Semiautomatic, short recoil of barrel</td>
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<tr>
<td>Locking system</td>
<td>Locked-breech, falling block</td>
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<tr>
<td>Sights</td>
<td>Front and rear sights on the slide. Removable.</td>
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<tr>
<td>Frame</td>
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<tr>
<td>Slide</td>
<td>Steel, phosphatized and Brunton coated</td>
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<tr>
<td>Barrel</td>
<td>Steel, sandblasted and blued internally chromium-plated</td>
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<table>
<thead>
<tr>
<th>Configuration</th>
<th>Type F</th>
<th>Type G</th>
<th>Type D</th>
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<td>Action</td>
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<td>Single/double</td>
<td>Double only</td>
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<td>Without safety lever</td>
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</table>

* Consult local authorities for magazine capacity restrictions that may apply in your locale.
OPERATION

The Beretta 90-two pistol is a semiautomatic firearm using a short recoil locked-breech system with falling block. When the pistol is fired, the recoil energy pushes the slide-barrel assembly backward. After a short run of barrel-slide assembly, the locking block falls and releases the slide letting it recoil while the barrel stops against the frame. The slide, during its rearward movement, extracts and ejects the fired cartridge case, cocks the hammer and activates the recoil spring. Pushed by the recoil spring, the slide then moves forward feeding the next cartridge from the magazine into the chamber and causing barrel-slide locking.

The slide is designed to stay open after the last cartridge has been fired and the spent shell casing has been ejected.

LOAD CHECK

At various points in this manual you will be instructed to “visually check to be certain your 90-two pistol is unloaded.” This should become second nature to you, as you should:

• Never assume that a firearm is unloaded.
• Never point or push a firearm toward yourself or another person.
• Always visually check to see that the chamber is unloaded.
• Remove the magazine and block the slide in the open position before handing the pistol to another person.
• Never take or pull this pistol from another person unless the magazine has been removed, the slide blocked in the open position and the chamber has been visually checked to confirm it is unloaded.

To visually check to be certain your pistol is unloaded carefully follow the steps below.

WARNING: Keep your finger OFF THE TRIGGER and the barrel pointed in a SAFE direction.

NOTICE: The numbers in the figures refer to the photos on pages 2 and 53.
• Remove the magazine by pushing the magazine release button (Fig. 9).

• Retract the slide. Visually inspect the cartridge chamber to ensure that it is empty. The chamber is empty when no cartridge is visible when looking into the open chamber (Fig. 10).

Releasing the slide when a magazine is not in the pistol will automatically close the slide. Always keep your finger away from the ejection port. To keep the slide in the open position, without the magazine in the pistol, fully retract the slide and press the slide catch upward with your thumb (Fig. 1/D) and release the slide. The slide will be blocked in the open position. The slide will remain open when an empty magazine is inserted or when the slide catch is pressed upwards.

If the pistol is unloaded, proceed to the following step, otherwise refer to the procedure: “UNLOADING”.

• Gently move the slide to the closed position. If the slide is blocked in the open position by the slide catch or by an empty magazine inserted in the pistol, press the slide catch downward to close the slide.

**WARNING:** Always keep your finger away from the ejection port.

**WARNING:** In 90-Two Type F and Type G models the hammer remains in the cocked position. When you are certain that the firearm is unloaded, decock the hammer by pushing the manual safety/hammer decocking lever for **type F version** (the safety remains engaged) and the hammer decocking lever for **type G version** (the lever returns to the firing position) down all the way. On **D configuration**, the hammer automatically returns to the decocked position by following the slide forward.
BARREL OBSTRUCTIONS CHECK

Check the barrel to be sure there are no obstructions in the chamber and bore. This is extremely important because if another cartridge is fired into an obstructed barrel, a catastrophic failure can result.

• Follow the field stripping operations in the following paragraph and disassemble the pistol.
• After disassembly, look down the barrel from the muzzle (or front end) so that you can see completely through the barrel to make sure no obstruction exists.
• If an obstruction in the barrel is detected, a qualified gunsmith must remove the obstruction and inspect the pistol before it can be fired.
• Reassemble the pistol by following the procedures given in the appropriate section of this manual.

FIELD STRIPPING

WARNING: Make sure the pistol is unloaded. See chapter “LOAD CHECK”. If not, unload it following the “UNLOADING” procedure. Engage the manual safety-decocking lever (model type F) by lowering the lever downwards.

Notice: It is advisable to perform field stripping and assembly operations over a table to catch components should they drop.

NOTICE: The numbers in the figures refer to the photos on page 59 and 85.

• Press the magazine release button to remove the magazine (Fig. 9).
• With the index finger press the disassembly latch release button which protrudes from the right side of the pistol (Fig. 11). While pressing the button, rotate the disassembly latch on the left side of the frame with the thumb clockwise approx. 90° downward (Fig. 12).
• Pull the slide-barrel assembly with locking block, recoil spring and spring guide forwards (Fig. 13).
• Slightly press recoil spring and spring guide (Fig. 14).
• Lift spring guide and recoil spring and extract its front part from the hole of the slide (Fig. 15).
• Depress the locking block plunger (Fig 16).
• Remove the barrel with locking block from the slide (Fig. 17).

To remove the accessory rail cover:
Located forward and under the barrel, the rail (Fig. 1-2/G) is machined integral to the frame and allows the mounting of light and laser accessories. To access this rail, it is necessary to remove the rail cover. To do this, raise the retention clip (Fig. 18 – see arrow) under the rail cover using a finger nail, or similar non-marring tool, while sliding the rail cover forward (Fig. 19).

CAUTION: It is recommended that the rail cover be used whenever accessories are not attached to the pistol. This will protect the rail from accidental impacts.

CAUTION: No further disassembly (Fig. 20) is recommended unless done by a competent gunsmith.

REASSEMBLY

NOTICE: The numbers in the figures refer to the photos on pages 2, 53 and 85.

Reassemble the pistol following the Field Stripping procedure in reverse order.

It is advisable to pay attention to the following points:

• When the barrel and locking block assembly are correctly inserted into the slide, they should rest securely inside the slide without movement. (The extractor must lie in its groove in the barrel).
• The locking block lugs should rest firmly in their seats in the slide (the locking block plunger should protrude from the barrel) (Fig. 21).
• The recoil spring guide head (flat part) should lodge in the center of its groove in the locking block (Fig. 14).

• When the slide and barrel assembly are placed back on the frame (Fig. 22), the slide/barrel assembly should be aligned with the frame or pushed beyond the rear of it to allow the disassembly latch to rotate and return to its original position (with the disassembly latch lever parallel to the slide). Please make sure that the disassembly latch lever is parallel to the slide. If not, by retracting the slide as indicated, manually rotate the disassembly latch to allow it to return to its original position.

• Retract the slide to check the correct assembly operation.
• Decock the hammer.
  - by operating the manual safety/hammer decocking lever (model Type F)
  - by operating the hammer decocking lever (model Type G)
  - in model Type D, the hammer is already decocked.

AMMUNITION

AMMUNITION (CARTRIDGE) NOTICE: Beretta specifically disclaims responsibility for any damage or injury occurring with, or as the result of, the use of faulty, non-standard, “remanufactured,” hand-loaded or reloaded ammunition, or cartridges other than those for which the firearm was originally chambered. Serious damage or injury, even death, could result from the use of incorrect ammunition, from firing against bore obstructions and from propellant overloads. Use of improper ammunition, such as listed previously will void the manufacturer’s warranty. Use only high-quality, commercially-manufactured ammunition made in accordance with CIP (Europe and elsewhere) or SAAMI® (USA) standards. Be certain that the ammunition is the appropriate caliber and load for the firearm and is in clean, dry, good condition. Use of reloaded ammunition will void the manufacturer’s warranty. The pistol caliber is marked on the barrel.

WARNING: Carefully inspect each cartridge before it is loaded in the magazine. Be certain the cartridge cases are not split, deformed, and that the cartridges do not possess any other dents or defects. This warning even applies to factory ammunition.
Do not fire old ammunition. Primers, powder, cartridge cases, and bullets can deteriorate with time and cause damage to the firearm, or injury to the shooter or others.

**WARNING:** The extended use of +P or +P+ ammunition may decrease component part service life expectancy. DO NOT use sub-machine gun ammunition because the chamber pressure may reach or exceed proof load pressure. Lead bullets have a tendency to cause bore leading, which may dramatically increase the discharge pressure. Be sure to remove all chamber and bore lead accumulation after each use. DO NOT shoot cartridges with jacketed bullets through a barrel previously fired with lead bullets before the bore is thoroughly delead.

**DRY FIRING/”DUMMY” ROUNDS**

Dry firing is defined as firing a firearm with no ammunition in the chamber. Long term dry firing your Beretta 90-two pistol may result in damage to the firing pin. “Snap caps” (inert chamber inserts that allow a firearm to be dry-fired without damaging the action) are available at most gun stores for those who wish to practice firing without live ammunition.

**CAUTION:** If you want to practice shooting your pistol without using live ammunition (called “dry firing”), insert an appropriate “snap cap” into the chamber to cushion the fall of the firing pin and reduce the chance of firing pin breakage. “Snap cap” cartridges with spring loaded “primers” are ideal. The “Snap cap” cartridges with empty primer pockets are suitable for loading/unloading practice but DO NOT PROTECT the firing pin during dry firing.

**LOADING**

**WARNING:** Whenever a live round is in the chamber, this pistol can fire, even if the magazine is empty or has been removed.

**WARNING:** Before loading the firearm, become familiar with the following loading procedures without the use of ammunition. Never handle a loaded firearm until you are fully familiar with the loading procedures. Always point the firearm in a safe direction.
WARNING: Always keep your finger away from the trigger whenever you do not intend to fire. Make sure the pistol is unloaded. See paragraph “LOAD CHECK”.

WARNING: LOAD THE CHAMBER ONLY WHEN READY TO FIRE.

NOTICE: The numbers in the figures refer to the photos on pages 2, 54 and 85.

LOADING THE MAGAZINE

WARNING: Be sure that you have the correct cartridges for your pistol.

• To load the magazine, remove it from the pistol by depressing the magazine release button. (Fig. 9).
• Hold the magazine in one hand. With the other hand, place a cartridge on the magazine follower in front of the lips at the top of the magazine. Press the cartridge down onto the follower and slide the cartridge completely under the lips until it is lodged fully inside the magazine body (Fig. 23).
• Repeat process until magazine is fully loaded. The holes on the back of the magazine allow for visual counting of cartridges.

CAUTION: Do not try to force more than the maximum number of rounds indicated for your particular pistol into the magazine. An overloaded magazine may not function properly.

LOADING THE PISTOL AND THE FIRING CHAMBER

WARNING: Beretta assumes no responsibility for any injury or property damage resulting from improper or careless handling, intentional or accidental discharge of the firearm.

WARNING: Be sure that the obstruction check has been completed prior to loading.

WARNING: Point the firearm in a safe direction. Do not touch the trigger until you are ready to shoot and are sure of your target and backstop.
The firing chamber is the portion of the barrel into which the cartridge is fed. The firing chamber may be loaded in one of three ways:

1. LOADING FROM MAGAZINE

**WARNING:** Always engage the manual safety/hammer decocking lever (model Type F) by completely pushing the safety lever down all the way in order to cover the red warning dot (Fig. 6). The red dot is visible when the manual safety is disengaged and the firearm is ready to fire (Fig. 5).

- Completely push the loaded magazine into the pistol grip to insure catch engagement.
- Pull back the slide and release it. The slide will automatically pick up a cartridge from the top of the magazine and feed it into the chamber (Fig. 24).

2. DIRECT CHAMBER LOADING

**WARNING:** Always engage the manual safety/hammer decocking lever (model Type F) by completely pushing the safety lever down all the way in order to cover the red warning dot (Fig. 6). The red dot is visible when the manual safety is disengaged and the firearm is ready to fire (Fig. 5).

- Retract the slide. The slide remains open when an empty magazine is inserted or if the slide catch is pushed upwards.
- Insert the round in the chamber through the ejection port (Fig. 24).
- Press the slide catch to close the slide (Fig. 25).

**WARNING:**
The model 90-two Type F pistol is now CHAMBER LOADED WITH HAMMER DECOCKED AND SAFETY ENGAGED (Fig. 6). Keep your finger away from the trigger whenever you do not intend to fire. The manual safety is merely a mechanical device and is in no way a substitute for the Basic Safety Rules of firearm handling.

The model 90-two Type G pistol is now CHAMBER LOADED WITH HAMMER COCKED. Decock the hammer by rotating the decocking lever downward. This version does not have a manual safety. The lever returns to the firing position.
Keep your finger away from the trigger whenever you do not intend to fire.

**The model 90-two Type D** pistol is now CHAMBER LOADED WITH HAMMER DECOCKED. This version does not have a manual safety.

**WARNING:** Keep your finger away from the trigger whenever you do not intend to fire.

**CAUTION:** All Beretta 90-two pistols are equipped with an automatic safety, which prevents firing pin protrusion beyond the breech face. This safety is overcome only by trigger pull (Fig. 26).

3. **AS LONG AS THERE IS AMMUNITION IN THE MAGAZINE, A PISTOL WHICH IS LOADED AND FIRED, WILL AUTOMATICALLY PICK UP THE NEXT ROUND AND FEED IT INTO THE FIRING CHAMBER.**

To replace a round which has been chambered from the magazine; (remember that you are handling a loaded firearm with a live round in the chamber):

- Check that the manual safety/hammer decocking lever is engaged (model Type F) (Fig. 6).
- Remove the magazine from the pistol by depressing the magazine release button.
- Insert one more cartridge into the magazine.
- Completely push the loaded magazine into the pistol grip to insure catch engagement.

**WARNING:** THE FIREARM YOU ARE HANDLING IS LOADED WITH A LIVE ROUND IN THE CHAMBER. Keep your finger away from the trigger whenever you do not intend to fire.

**UNLOADING**

**WARNING:** Always unload the firearm whenever you do not intend to shoot.

**WARNING:** Be certain the pistol is pointed in a SAFE direction. Keep your finger away from the trigger.
NOTICE: The numbers in the figures refer to the photos on pages 2 and 54.

- Check that the manual safety/hammer decocking lever is engaged (model Type F). The hammer will automatically lower in complete safety (if cocked). The safety will remain engaged (Fig. 6). Model Type G: decock the hammer (if cocked) by rotating the decocking lever downward. The lever will return to the ready to fire position. (Fig. 3). Model Type D: The hammer is in decocked position (Fig. 4). Keeping the firearm pointed in a safe direction and fingers away from the trigger, proceed to the following steps.
- Remove the loaded magazine from the frame.
- Always using safety precautions grasp the slide serrations with thumb and index finger and fully retract the slide to remove the chambered cartridge.

WARNING: Always visually inspect the firing chamber to ensure that it is empty. The chamber is empty when no cartridge is visible when looking from the ejection port into the open chamber (Fig. 10).

WARNING: If you are ejecting unfired cartridges, use extreme care to be sure they are ejected onto an appropriate surface. Never attempt to catch cartridges or fired cartridge cases as they fall.

WARNING: Never allow anything to come in contact with the primer of unfired ammunition. Doing so could cause the ammunition to explode.

- When sure that the chamber is empty and the cartridge has been ejected, release the slide.

WARNING: Releasing the fully retracted slide when a loaded magazine is in the pistol will feed a cartridge into the pistol’s firing chamber. If the hammer is cocked, the pistol will be able to fire immediately.

CAUTION: It is recommended to store the firearm unloaded, with empty magazine, manual safety engaged (Type F model) and hammer decocked (Fig. 6).
UNLOADING THE MAGAZINE
• To unload the magazine, grasp it with one hand around the magazine box, bottom down and front end forward. With the tip of the thumb firmly press down on the cartridge rim and push towards the front of magazine box. As the cartridge moves forward, tip it slightly upward with the index finger.
• Repeat until the magazine is unloaded.

FIRING

WARNING: Beretta assumes no responsibility for any injury or property damage resulting from improper or careless handling, intentional or accidental discharge of the firearm.

WARNING: Be certain the firearm is pointed in a SAFE direction. Never put your finger on the trigger unless you intend to shoot. Never disengage the manual safety lever (model Type F) unless you intend to shoot.

WARNING: Always wear high-quality eye and ear protection when firing any firearm. When firing any firearm, be certain that others near-by are wearing high-quality eye and ear protection and are to the rear of the shooter.

NOTICE: The numbers in the figures refer to the photos on pages 2, 54, 85 and 86.

• Insert the magazine into the pistol and the round into the firing chamber by following the previously given instructions.
• Check that the manual safety is engaged – model Type F (safety lever rotated downward and red warning dot covered) (Fig. 6). The hammer automatically lowers in complete safety. On model Type G decock the hammer (if cocked) by pressing the decocking lever downward. The lever will return to the ready to fire position (Fig. 3).

WARNING: The manual safety is merely a mechanical device and is in no way a substitute for the Basic Safety Rules of firearm handling.

WARNING: Do not touch the trigger until you are ready to shoot and are sure of your target and backstop.
• Without placing the finger on the trigger or inside the trigger guard, point the pistol at the intended target and aim the pistol by aligning the front and rear sights on the target. Point the sight at 6 o'clock in the center of the target. The front sight should be in focus, the target and the rear sight slightly blurred or out of focus.

**WHEN YOU ARE READY TO FIRE:**

• Disengage the manual safety by pushing the safety lever up all the way (Type F model). Rotating the lever in this way restores the connection between the trigger and the sear.

The red warning dot indicates that the safety is off when the safety lever is rotated completely upward (Fig. 5, 7 and 8).

**WARNING:** THE PISTOL IS NOW READY TO FIRE.

Models Type G and Type D are always in position TO FIRE!

• Place your index finger inside the trigger guard.

**WARNING:** Ensure that fingers or other parts of the hands and the face are kept away from the recoiling slide. Not respecting this warning can lead to serious injury since, during the firing cycle, the slide recoils backwards violently and with great energy. Ensure that the other hand is kept away from the muzzle of the barrel.

• Gently squeeze the trigger, being careful not to upset the alignment of the front and rear sights. THE PISTOL WILL FIRE.

**WARNING:**

- **Models 90-two Type F and Type G:**
  When the hammer is decocked or in the half-cocked position, the pull on the trigger first cocks the hammer and then releases it to strike the firing pin. This firing mode is called double action. When the hammer is cocked, pulling the trigger releases the hammer, allowing it to strike the firing pin. This firing mode is called single action. After the first shot the pistol will always fire in the single action mode.

- **Model 90-two Type D:** This model is designed to fire in double action only. The hammer never stays cocked; allowing the slide to move forward to rest in the decocked position.
The discharge will recoil the slide which, in turn, will eject the fired cartridge case, cock the hammer and activate the recoil spring. Then the slide will automatically close, feeding the next cartridge from the magazine into the chamber.

**WARNING:** THE PISTOL IS STILL CHAMBER LOADED, COCKED AND READY TO FIRE AGAIN. Keep your finger away from the trigger whenever you do not intend to fire and engage the manual safety if present.

- When the last round has been fired the slide remains open (**Fig. 27**).
- To fire again, remove the empty magazine and insert a loaded one.
- Press the slide catch to close the slide and to load the chamber.

**WARNING:** THE HAMMER IS COCKED (**models Type F and Type G**). When you have completed shooting, remove the magazine, check that the firing chamber is empty and close the slide by pressing the slide catch. Decock the hammer by pressing the manual safety/hammer decocking lever (**model Type F**) and the hammer decocking lever (**model Type G**). In **model Type D**, the hammer is already decocked.

**WARNING:** Always unload the firearm immediately after shooting is completed. Never store a loaded firearm. To store the pistol see the paragraph “STORAGE”.

If while firing the trigger is pulled and the firearm does not immediately fire:

**CEASE FIRING IMMEDIATELY!**

- Keep the firearm pointed in a SAFE direction in the event a “hang-fire” has occurred. A hang-fire occurs when there is a delay in a cartridge’s ignition.
- With the pistol pointed in a SAFE direction, wait one (1) full minute.
- After one (1) full minute has elapsed, completely unload the firearm by following the unloading instructions in this manual.
- Carefully inspect your ammunition.
- Immediately refer to a qualified gunsmith if the firing pin indent
on a fired cartridge’s primer is light, off-center or does not exist.

• Following the disassembly instructions given in the manual, field strip the pistol and look down the barrel from the muzzle (or front) end to make sure that no obstruction exists. If a barrel obstruction is detected, a qualified gunsmith must remove the obstruction and inspect the pistol before it can be fired.

**WARNING:** If another cartridge is fired into an obstructed barrel, catastrophic failure can result.

**WARNING:** Never attempt to fire ammunition that did not fire the first time.

If, while firing, you hear a change in the sound of a fired cartridge, or feel a change in the amount of recoil, or detect any other irregularity:

**CEASE FIRING IMMEDIATELY!**

• Keep the firearm pointed in a SAFE direction. A “squib load” may have occurred. A “squib” occurs when a cartridge fires, but with insufficient force to drive the bullet out of the barrel. This can result in a dangerous bore obstruction.

**WARNING:** If another cartridge is fired into an obstructed barrel, a catastrophic failure can result.

• With the gun pointed in a SAFE direction, completely unload the firearm by following the unloading instructions in this manual.

• Following the disassembly instructions given in the manual, field strip the pistol and look down the barrel from the muzzle (or front) end to make sure that no obstruction exists. If a barrel obstruction is detected, a qualified gunsmith must remove the obstruction and inspect the pistol before it can be fired.

• Carefully inspect your ammunition.

**WARNING:** Never attempt to reuse or fire ammunition that did not fire the first time. Dispose of unfired or damaged ammunition properly, per the ammunition manufacturer’s recommendation.
MAINTENANCE

The firearm should be cleaned as soon as possible after firing or at least once every month. Field strip the pistol as indicated in the appropriate section of this manual.

**WARNING:** Make sure the pistol is unloaded. See chapter “LOAD CHECK”. If not, unload it following the “UNLOADING” procedure. Engage the manual safety-decocking lever (model type F) by lowering the lever downwards.

**WARNING:** Excess oil and grease obstructing the bore, even partially, is very dangerous when firing and may cause barrel rupture and serious injury to the shooter and bystanders. Never spray or apply oil to the cartridges. Use lubricants properly. You are responsible for the proper care and maintenance of your firearm.

**NOTICE:** Use only high-quality, commercially available firearm cleaning solvents (or the Beretta Gun Oil) and cleaning equipment.

**NOTICE:** The firearm should not be disassembled for routine maintenance beyond what is described in the paragraph: “FIELD STRIPPING”. It is not necessary to remove the integral grip.

**BARREL**

• Spray the supplied brush with gun oil. Insert the brush into the barrel from the chamber and scrub the chamber and bore thoroughly. If necessary, first clean the bore with a gun solvent.
• Dry the chamber and bore by pushing a cotton patch through the chamber and bore with the brush. Repeat with a new patch until it emerges clean.

**CAUTION:** Do not push the cleaning brush from the muzzle end towards the chamber if the barrel is still assembled on the pistol. Cleaning the barrel from the breech (chamber) end will avoid damaging the muzzle or bore.

• Clean the locking block with a cotton patch soaked in gun oil; if necessary use the supplied brush.
• Lightly oil the inside of the barrel by passing through it a clean cotton patch soaked in gun oil.
SLIDE
- Clean the slide with a cloth soaked in gun oil paying particular attention to the breech face, the extractor, the slide rails, the locking shoulders and locking recesses. If necessary, use the supplied brush. Dry slide surfaces with a clean cloth.
- Lightly oil the slide.

RECOIL SPRING - SPRING GUIDE ASSEMBLY
- Lightly oil the recoil spring-spring guide assembly with gun oil. After extensive use it may be necessary to first clean these parts using the supplied brush and gun oil.

FRAME
- With a cotton patch soaked in gun oil clean all areas covered by gunpowder residue and dirt.
- Wipe outer frame surfaces and lightly lubricate the rails and moving parts. Lightly oil the disassembly latch, magazine release button, slide catch, trigger system, hammer, sear and levers in front of the hammer.

MAGAZINE
- Make sure the magazine is thoroughly clean and that the follower slides easily downward if pressed.
- If necessary, using gun oil, lightly oil the internal walls of the magazine box.
- Dry the internal walls of the magazine box with a cloth. Do not leave any oil in the magazine.

CAUTION: Do not apply excess oil. Accumulation of oil attracts dirt and dust, which can interfere with the functioning and reliability of the firearm.

CAUTION: There are numerous Beretta special parts and accessories that allow for the personalization of your pistol. To request this extensive line of parts and accessories, please contact your local Beretta dealer.
HOW TO REPLACE THE INTEGRAL GRIP

**WARNING:** Make sure the pistol is unloaded. See chapter “LOAD CHECK”. If not, unload it following the “UNLOADING” procedure. Engage the manual safety-decocking lever (model type F) by lowering the lever downwards.

**CAUTION:** The grip should be removed only to replace with another type of grip or to reverse the magazine button (see relative chapter). Do not remove the grip for standard maintenance or to lubricate the pistol.

**Notice:** It is advisable to perform field stripping and assembly operations over a table to catch components should they drop.

**NOTICE:** The numbers in the figures refer to the photos on pages 53, 85 and 86.

- Remove the magazine from the frame.
- After having verified that the firearm is unloaded, point it in a safe direction and lower the hammer if it is cocked or half-cocked, by engaging the manual safety/hammer decocking lever (**Type F models**) or the hammer decocking lever (**Type G models**). On **Type D models** the hammer rests in the decocked position.
- Obtain a pin punch or similar tool with a maximum diameter of 2mm.
- Operating over a firm work surface, grip the upper portion of the pistol with one hand and press the lanyard loop, located in the lower portion of the frame, against the surface. You should feel the lanyard loop (**Fig. 1-2/R**) move and compress slightly, freeing the internal grip catch.
- While keeping the lanyard loop depressed, insert the pin punch into the small hole located in the lower left side of the grip and fully push the internal grip catch (**Fig. 28 see arrow**). This will release the grip completely. The lanyard loop will remain slightly depressed inside the frame.
- Remove the grip by pulling it firmly downwards (**Fig. 29**).
CAUTION: To keep the internal frame mechanisms clean, it is recommended to always have the grip installed. Never store the pistol without the grip installed.

To replace the same or different grip:

• Verify that the grip catch does not protrude from either side of the frame.

CAUTION: If the catch protrudes a few millimetres from either side of the frame, you will not be able to assemble the grip. Depress the lanyard loop and using the pin punch push laterally the internal grip catch until it fits flush with the frame walls.

• Insert the grip unit in the lower part of the frame by inclining the grip slightly rearward (Fig. 30 and 31).

CAUTION: It is important to strictly follow the preceding procedure for a proper installation of the grip and to avoid possible damage to its four retention wings on the inside.

• Once the retention wings are inserted correctly into the frame, straighten out the grip on the frame and push it upwards into its seat. Verify that the surfaces of the grip are in contact with the corresponding surfaces of the frame.

CAUTION: Do not force the insertion of the grip into the frame in order to avoid damage to its retention wings. If the grip does not insert or seat properly, remove it and repeat the above procedures.

• Insert the pin punch into the hole in the lower right side of the grip and fully push the catch (Fig. 32). A distinctive click will be heard and the lanyard loop will return to its original position (lanyard loop completely protruding from the bottom of the frame).

• Verify the correct installation by trying to pull the grip downwards and visually check that the internal grip catch protrudes from the side of the lanyard loop.
HOW TO REVERSE THE MAGAZINE RELEASE BUTTON

WARNING: Make sure the pistol is unloaded. See chapter “LOAD CHECK”. If not, unload it following the “UNLOADING” procedure. Engage the manual safety-decocking lever (model type F) by lowering the lever downwards.

NOTICE: It is advisable to perform field stripping and assembly operations over a table to catch components should they drop.

CAUTION: THESE OPERATIONS SHOULD BE CARRIED OUT BY A COMPETENT GUNSMITH.

• Remove the magazine by pushing the magazine release button.
• Remove the integral grip from the frame (see previous paragraph).
• Press the button head on the right side of the frame (in case of button mounted for right-handed shooters) of the magazine release button down and away. The magazine release assembly will then drop out.
• Reverse the magazine release button and insert the button in position tilting slightly.
• Holding the button (the reversed head) of the magazine release assembly firmly in place, press its opposite side and push it until it clicks into place. The operation is done correctly when the magazine slides easily into its housing.
• Reassemble the integral grip on the frame (see previous paragraph).
## TROUBLESHOOTING

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**WARNING:** Do not attempt to make repairs to any firearm without proper knowledge or training. Do not alter parts or use substitute parts not made by Beretta. Any necessary alterations or adjustments to the operating mechanism should be performed by the Manufacturer or by its Local Official Distributor.

**WARNING:** Do not attempt to alter the internal parts of your pistol’s firing mechanism. Altering internal parts can cause unsafe condition.

**WARNING:** Altering the internal parts of your pistol’s firing mechanism voids the manufacturer’s warranty.
STORAGE

**WARNING:** Always store the pistol UNLOADED, magazine empty, manual safety engaged (model Type F) and the hammer decocked.

**WARNING:** Always store your firearm so that children cannot gain access to it. To reduce the risk of accidents involving children, unload your firearm, lock it and store the ammunition in a separate locked location.

**CAUTION:** It is recommended to store the firearm in the supplied case. Before storage, always check the conditions of the pistol and its case. Make sure the case is dry and that the firearm is dry and oiled. Traces of moisture or drops of water could damage the pistol.

**CAUTION:** Do not store your pistol in a leather, fabric, canvas holster or case. These materials attract moisture, even though they may appear to be perfectly dry.
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