



**GRETTA**

TECHNICAL SUPPORT  
EFFEBI SRL  
ITALY



**PISTOL**

## Safety & Instruction Manual

**⚠ WARNING**



Read the instructions and warnings in this manual  
CAREFULLY BEFORE using this firearm.



TECHNICAL SUPPORT  
EFFEBI SRL di  
ITALY





**DEFENDER .32**  
**(13+1)(SHOT)**



**PYTHON .45**  
**(7+1)(SHOT)**  
**(9+1)(SHOT)**



**PPK-S .32**  
**(9+1)(SHOT)**  
**(12+1)(SHOT)**



**PPK-S .380**  
**(8+1)(SHOT)**  
**(10+1)(SHOT)**

# CERTIFICATE

 **सूक्ष्म, लघु और मध्यम उद्यम संस्थान**  
**MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES**

**CERTIFICATE**

 **Zed BRONZE**

**ZED BRONZE**

under MSME Sustainable (ZED) Certification Scheme  
awarded to

**GRETTA GUN WORKS PRIVATE LIMITED**

UNIT ADDRESS

Flat No.: C-178, Building:- GRETTA GUN WORKS PVT. LTD., Road/Street:- MAYAPUR, Village/Town:- MAYAPUR, Block:- PHASE 2, City:- NEW DELHI, WEST, DELHI-110064

UNIT ADDRESS

**25-Manufacture of fabricated metal products, except machinery and equipment**

CODE (AS PER NIC-2004)

**UDYAM-DL-11-0016772**

UDYAM REGISTRATION NUMBER

Issued on :  
June 21, 2023

Certificate Validity:  
Three years from the date of issue

Certificate No. : 21050202\_00428

This Certificate has been awarded after fulfilling all relevant requirements as laid down in the MSME Sustainable (ZED) Certification Scheme Guidelines for this Certification level. Award of this Certificate does not substitute any legal requirement needed for setting up or operating an MSME Unit.

# CERTIFICATE

CERTIFICATE NO: DIPP113069	 Government of India Ministry of Commerce & Industry Department for Promotion of Industry and Internal Trade	
<b>CERTIFICATE OF RECOGNITION</b>		
<i>This is to certify that Greta Gun Works Private Limited incorporated as a Private Limited Company on 17-10-2018 is recognized as a startup by the Department for Promotion of Industry and Internal Trade. The startup is working in 'Aeronautics Aerospace &amp; Defence' Industry and 'Defence Equipment' sector as self-certified by them.</i>		
<small>This certificate shall only be valid for the Entity up to Ten years from the date of its incorporation only if its turnover for any of the financial years has not exceeded 100 Cr.</small>		
01-11-2022 DATE OF ISSUE	16-10-2028 VALID UPTO	

# CERTIFICATE



## CERTIFICATE OF REGISTRATION

This is to Certify that The Quality Management System of

**GRETTA GUN WORKS PRIVATE LIMITED**

C - 178, MAYAPURI, PHASE - II, NEW DELHI - 110064, INDIA

has been assessed and found to be in accordance with the requirements of the system standard

### ISO 9001 : 2015

For the scope of activities described below

**MANUFACTURER OF ARMS & AMMUNITION, ARMS,  
HANDGUNS, BLANK WEAPONS AND OTHER FIREARMS**

**Certificate No.: IBP2412957**

Issue Date : 18/02/2025

1st Surveillance Audit due on : 18/01/2026

Expiry Date : 18/02/2028

2nd Surveillance Audit due on : 18/01/2027

Validity of this certificate is subject to successful completion of surveillance audits on or before due date,  
in case non-compliance audit not conducted this certificate shall be suspended.



*[Signature]*  
DIRECTOR

Interglobal Business Process Private Limited

Accredited by Korean Accreditation Board

PNB Complex, Harahala Road, Ulabari, Gawahati: 781007, Assam, India

Authenticity and validity of this certificate can be verified at [www.interglobalbusinessprocess.com](http://www.interglobalbusinessprocess.com) or [www.kad.or.kr](http://www.kad.or.kr)

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## Industry Out Look

Industry.com TOP 10  
DEFENCE EQUIPMENT  
MANUFACTURERS 2024

### GRETTA GUN WORKS

EMPOWERING INDIA'S DEFENSE WITH CUTTING-EDGE TECHNOLOGY

The Indian defense equipment sector has undergone significant growth in recent years, propelled by the government's Atmanirbhar Bharat initiative, which emphasizes local manufacturing over imports. This shift aims to establish a robust domestic defense manufacturing base that meets the evolving needs of the armed forces. However, many defense customers in India face challenges with imported equipment that often necessitates expensive modifications to adapt to the country's diverse and demanding environments. In response to these challenges, GreTTa Gun Works Private Limited is committed to producing internationally standardized firearms utilizing the latest technology, positioning itself as one of India's largest small weapons manufacturers.

strategic technical support with Italy has further strengthened its technical expertise, keeping it at the forefront of global defense innovations. With a growing portfolio of contracts with major defense organizations, the firm continues to scale rapidly, delivering reliable, high-performance equipment while focusing on future innovations like AI-driven targeting systems and smart weapons.

#### Tailored defense solutions for India's armed forces

GreTTa Gun Works specializes in designing and manufacturing indigenous small firearms and modular weapon systems that are built to withstand extreme climates and rugged terrains. Utilizing advanced technologies like CNC machining and laser cutting, the firm ensures precision and durability in every product. Its portfolio includes lightweight, ergonomic weapons that enhance user mobility and adaptability in the field. In addition to manufacturing, the company provides a complete range of client services, from personalized consultations to help select the right equipment. "GreTTa Gun Works' in-house production allows for seamless integration with clients' existing systems, ensuring smooth operational efficiency", says Amandeep Kaur Dhillon, Director & CEO.

GreTTa Gun Works stands out in the defense manufacturing sector with its unique approach to product development and customer engagement. By prioritizing local production, the company supports national security and reduces the country's reliance on foreign imports, positioning itself at the forefront of this growing industry. Additionally, the firm's focus on indigenous solutions aligns with the Atmanirbhar Bharat initiative, offering



Amandeep Kaur Dhillon  
Director & CEO

equipment specifically designed for the needs of India's armed forces rather than relying on imported technology that often requires costly modifications. The company's rigorous quality control process, which includes multiple rounds of testing, ensures that each product meets international standards and exceeds client expectations. By offering continuous post-delivery support, including training and technical assistance, GreTTa Gun Works ensures that their equipment operates at peak performance throughout its lifecycle, setting a high benchmark for innovation and reliability in the defense sector.

GreTTa Gun Works is focused on innovation and expansion, with plans to integrate advanced technologies like AI-driven targeting systems and smart weapons into its product lineup. Committed to the Atmanirbhar Bharat initiative, the company will continue developing indigenous solutions that meet international standards, ensuring competitiveness in both domestic and global markets. As GreTTa Gun Works expands its portfolio, the goal is to set new benchmarks for quality, innovation, and performance, strengthening its leadership position in India's defense manufacturing sector. □

66  
**GreTTa Gun Works is a leading defense manufacturer, delivering innovative, indigenous solutions tailored for India's armed forces**

Since its inception, GreTTa Gun Works has rapidly emerged as a key player in India's defense manufacturing sector. Founded with a vision to support the Atmanirbhar Bharat initiative, the company has achieved ₹20 crore in sales within just 18 months, a testament to its ability to meet the demands of the armed forces. The company has distinguished itself by offering world-class, indigenous defense solutions tailored to India's specific environmental and operational challenges. The company's

# CERTIFICATE

**STAR INTERNATIONAL  
MSME FORUM PRESENTS**

**MSME** MANUFACTURER & SERVICE PROVIDER  
**CONCLAVE 2.0**  
Promotion, Finance & Development

**Chief Guest**  
**Smt. Hema Malini**

**POWERING MSMEs IN THE  
NEXT DECADE OF GROWTH**

**Young Entrepreneur  
of the Year**

**Amandeep Kaur**  
CEO  
Greeta Gun Works Private Limited

**7 Feb, 2023 / Hotel La Meridian, New Delhi**  
Contact: 9667121964 / 8750847085

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**⚠ WARNING:** READ THESE INSTRUCTIONS AND WARNINGS CAREFULLY. BE SURE YOU UNDERSTAND THESE INSTRUCTIONS AND WARNINGS BEFORE USING THIS FIREARM. FAILURE TO READ THESE INSTRUCTIONS AND TO FOLLOW THESE WARNINGS MAY RESULT IN SERIOUS INJURY OR DEATH TO YOU AND OTHERS AND DAMAGE TO PROPERTY.

This SAFETY & INSTRUCTION MANUAL should always accompany this firearm and be transferred with it upon change of ownership or when presented to another person.

NOTE : This manual refers to the use of the pistol by civilian users. Instructions for law enforcement use may differ from what is described in this manual. Throughout this instruction manual, position designations such as "left", "right", "forward", "rear", and soon, are referenced to a pistol held in a normal firing position. In other words, pointed away from the shooter, barrel in a generally horizontal direction, and with the grip of the pistol pointing downwards. Explanations in this manual are based on right hand operation. Left-handed users should operate vice versa. Note that the illustrations in this manual are for explanation purposes and may differ from the actual gun.

DISCLAIMER OF LIABILITY: The first concern when handling any firearm is safety. The failure to do so may result in property damage, serious bodily injury or even death. Under no circumstances shall GRETTA (P) LTD. be responsible for incidental or consequential damages with respect to economic loss or injury to person or damage to property due to negligence, improper use, failure to follow instructions in this manual, unsafe handling, failure to maintain the pistol, unauthorized replacement of parts, disregard of statutory rules or laws or any other modification to the pistol.

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## TABLE OF CONTENTS

1.YOUR SAFETY RESPONSIBILITIES	4
1.1 Safety is your number one responsibility!	4
1.2 Safe storage and transportation	7
2. AMMUNITION	9
3. MODEL AND FEATURES IDENTIFICATION	11
3.1. Model / Serial number	11
3.2. Features Identification	11
4. INSPECTING YOUR PISTOL	12
5. LOADED CHAMBER INDICATOR	15
6. LOADING	16
6.1. Loading the Magazine	16
6.2. Loading the Pistol	16
7. FIRING	19
7.1. Cocking	20
7.2. Decocking	20
7.3. Exchanging Magazines	21
7.4. Unloading the Pistol	22
7.5. Clearing Misfires	23
8. FIELD-STRIPPING, CLEANING, LUBRICATION AND MAINTENANCE	24
8.1. Main Components	24
8.1.1. Field-Stripping Disassembly	24
8.2. Cleaning the Pistol	26
9. Weapon Specification	27
10. Support	28
11. Warranty Card	30

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## 1.1 SAFETY IS YOUR NUMBER ONE RESPONSIBILITY!

At home, in the field, at the range, or anywhere, the first concern of every firearm owner should be safety. Apply the following safety rules in every situation, with any kind of firearm. If you feel uncertain about any operational aspects of your firearms please contact GRETTA (P) LTD. at +91 9625101315 or your nearest dealer/supplier before proceeding with its operation.

**⚠ WARNING:**

YOU MUST FOLLOW ALL OF THESE SAFETY RULES TO ENSURE THE SAFE USE OF YOUR FIREARM. THE FAILURE TO FOLLOW THESE BASIC FIREARM SAFETY RULES MAY RESULT IN AN UNINTENDED DISCHARGE WHICH COULD CAUSE SERIOUS PERSONAL INJURY OR DEATH TO YOU OR OTHERS AND DAMAGE TO PROPERTY.

- **ALWAYS KEEP YOUR FIREARM POINTED IN A SAFE DIRECTION.**  
Never point a firearm at anyone or anything you do not intend to shoot, whether or not it is loaded. This is particularly important when loading, unloading, or field stripping the gun. ALWAYS control the direction of the firearm.
- **ALWAYS TREAT EVERY FIREARM AS IF IT IS LOADED AND WILL FIRE IF THE TRIGGER IS PULLED.**  
Do not take anyone's word that the firearm is unloaded – always check for yourself. Never pass your firearm to another person until the action is open and you visually check that it is unloaded. Keep your firearm unloaded and safely stored when not in use.
- **NEVER PLACE YOUR FINGER INSIDE THE TRIGGER GUARD OR ON THE TRIGGER UNLESS YOU INTEND TO FIRE.**  
Ensure that other objects do not touch the trigger.
- **ALWAYS BE SURE OF YOUR TARGET AND WHAT IS BEYOND IT.**  
Always be sure of where the bullet will strike and shoot only where there is a safe back stop free of obstructions, water or other surfaces which can cause ricochets. Be sure your bullet will stop behind your target. Bullets can glance off many surfaces like rocks or surface water and travel in unpredictable directions with considerable velocity. Do not fire randomly into the sky.
- **NEVER CROSS OBSTACLES SUCH AS FENCES OR STREAMS WITH A LOADED FIREARM.**
- **SAFE GUN HANDLING IS YOUR PERSONAL RESPONSIBILITY AT ALL TIMES.**  
Firearms are dangerous and can cause serious injury or death if they are misused or used inappropriately. Safety must be the prime consideration of anyone who owns or handles firearms. Accidents are the result of violating the rules of safe gun handling and common sense. Firearm safety training is available at your licencing authority or in sport shooting range or club.

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## 1.1 YOUR SAFETY RESPONSIBILITIES

- **YOU ARE RESPONSIBLE FOR THE FIREARM AT ALL TIMES.**  
In owning a firearm, you must undertake full-time responsibility for your firearm's safety and security. You must protect yourself and all others against injury or death from misuse of the firearm 24 hours a day.
- **FIREARM SECURITY IS YOUR RESPONSIBILITY.**  
You must secure firearms safely from children and/or unauthorized users. Your firearm should always be kept unloaded and locked when not in use. A lock has been provided for this purpose. Never assume that the use of this lock is sufficient to safely secure your firearm. You must always evaluate your personal situation and employ the security system(s) that meets your needs and prevents children and unauthorized users from gaining access to your firearm.
- **APPROPRIATE USE FOR YOUR FIREARM MEANS USING YOUR FIREARM FOR LEGAL PURPOSES.**  
For example - target shooting and lawful resistance of deadly criminal force. It is your responsibility to ensure that you are in compliance with all applicable laws and ordinances regarding the use of your firearm.
- **NEVER RELY ON MECHANICAL FEATURES ALONE.**  
Only your safe gun-handling habits will ensure the safe use of your firearm. This is your responsibility.
- **ALWAYS SAFELY STORE AND SECURE YOUR FIREARM.**  
Safe and secure storage of your firearm is one of your most important responsibilities. It is a full-time responsibility. You must always secure your firearm and ammunition separately so that they are not accessible to children and/or other unauthorized persons.
- **NEVER KEEP AMMUNITION IN THE SAME LOCATION AS THE FIREARM.**  
Store each in a separate and secure place.
- **ALWAYS WEAR EYE AND EAR PROTECTORS THAT ARE SPECIFIED FOR FIREARM USE EVERY TIME YOU DISCHARGE YOUR FIREARM.**  
Make sure others in the vicinity of where you will be shooting do so as well.
- **NEVER USE ALCOHOL OR DRUGS BEFORE OR WHILE SHOOTING.**  
Do not use your firearm if you are on any medication which impairs, even slightly, your mental or physical ability.
- **ALWAYS HAVE ADEQUATE VENTILATION.**  
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. Review the warnings and labels for all ammunition and cleaning products carefully. Wash hands thoroughly after exposure.
- **BEFORE HANDLING ANY FIREARM, UNDERSTAND ITS OPERATION.**  
Not all firearms are the same. Familiarize yourself with the mechanical features of any firearm you intend to use. If you feel uncertain about any operational aspects of your firearms, please contact Gretta (P) LTD. at +91 9625101315 before proceeding with its operation.

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## 1. YOUR SAFETY RESPONSIBILITIES

- **NEVER ALLOW A FIREARM TO BE USED BY INDIVIDUALS WHO DO NOT UNDERSTAND ITS SAFE OPERATION OR HAVE NOT READ THESE FIREARM SAFETY RULES.**
- **ALWAYS USE THE CORRECT AMMUNITION FOR YOUR PARTICULAR FIREARM AS INDICATED BY THE MARKING ON THE BARREL.**  
Never use non-standard, reloaded, or "hand loaded" ammunition which has not been subjected to internal ballistic pressure testing.
- **BEWARE OF BARREL OBSTRUCTIONS.**  
Be sure the barrel is clear of obstructions before shooting. Mud, water, snow or other objects may inadvertently lodge in the barrel bore. A small obstruction can cause a dangerous increase in pressure and may damage your firearm and cause injury to yourself and others.
- **BE SURE ALL ACCESSORIES, SUCH AS HOLSTERS AND GRIPS, ARE COMPATIBLE**  
with the firearms and that the accessories do not interfere with safe operation.
- **NEVER DISASSEMBLE YOUR FIREARM**  
beyond the field stripping procedure outlined in this manual. Improper disassembly or reassembly of your firearms may be dangerous and can lead to serious injury or death.
- **NEVER MANIPULATE, ADJUST OR CHANGE ANY OF THE INTERNAL COMPONENTS OF YOUR FIREARM**  
including the firing, sear, or drawbar. Improper manipulation of any internal component may affect the safety and reliability of your firearm and may cause serious injury or death.
- **NEVER ALLOW ANY ALTERATION OR REPLACEMENT OF PARTS IN YOUR GRETTA FIREARM UNLESS PERFORMED BY A QUALIFIED GUNSMITH**  
using genuine GRETTA (P) LTD parts. If you do otherwise, improper functioning of your firearm may occur and serious injury or death and damage to property may result.

<b>⚠ WARNING</b>	<p>SAFE USE OF A FIREARM IS YOUR PERSONAL RESPONSIBILITY AND THE FAILURE TO FOLLOW ALL OF THESE BASIC SAFETY RULES MAY RESULT IN SEVERE PERSONAL INJURY OR DEATH TO YOU OR OTHERS. YOU ARE THE MOST IMPORTANT SAFETY DEVICE WHEN IT COMES TO THE USE OF YOUR FIREARM AND GRETTA (P) LTD. WILL NOT BE RESPONSIBLE FOR ANY PERSONAL INJURY, DEATH OR PROPERTY DAMAGE THAT RESULTS FROM:</p> <ol style="list-style-type: none"><li>(1) THE CRIMINAL OR NEGLIGENT USE OF THIS FIREARM;</li><li>(2) A DISREGARD OF THESE SAFETY INSTRUCTIONS AND WARNINGS;</li><li>(3) IMPROPER OR CARELESS HANDLING OF THIS FIREARM;</li><li>(4) THE USE OF NON-STANDARD, DEFECTIVE, IMPROPER OR RELOADED AMMUNITION; OR</li><li>(5) IMPROPER OR NEGLIGENT MODIFICATIONS OR REPAIRS TO THE FIREARM.</li></ol>
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## 1.2 SAFE STORAGE & TRANSPORTATION

<b>⚠ WARNING</b>	<ul style="list-style-type: none"><li>• FIREARMS ARE DANGEROUS WHEN USED AND STORED IMPROPERLY. THEY POSE A RISK OF SERIOUS OR FATAL INJURIES.</li></ul>
<ul style="list-style-type: none"><li>• FIREARMS CAN BE ESPECIALLY DANGEROUS TO CHILDREN WHEN THEY ARE STORED IN AN IRRESPONSIBLE AND UNSAFE MANNER.</li><li>• FOR YOUR SAFETY AND THE SAFETY OF OTHERS, IT IS IMPERATIVE THAT YOU KEEP YOUR FIREARM LOCKED AND UNLOADED IN A SECURE PLACE.</li><li>• THE AMMUNITION SHOULD BE STORED IN A SEPARATE, SECURE LOCATION WHEN IT IS NOT IN USE.</li><li>• SAFE AND SECURE STORAGE OF YOUR FIREARM IS ONE OF THE MOST IMPORTANT RULES OF FIREARM SAFETY.</li><li>• YOUR FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS INJURY OR DEATH TO YOU OR OTHERS.</li></ul>	

- **ALWAYS SECURE YOUR FIREARM IN A MANNER THAT WILL PREVENT UNAUTHORIZED ACCESS.**  
Whenever your firearm is not in use, keep it unloaded and locked. Your safety and the safety of others requires that you always secure and store your firearm in a manner that will prevent unauthorized access. Never leave a firearm unattended unless it is locked, unloaded and secured.
- **ALWAYS USE THE LOCK TO SECURE YOUR FIREARM.**  
Please read and follow the instructions packaged separately for the use of this lock. A lock, when properly used, can be an effective tool in preventing unauthorized access to your firearm. There are other alternative locks and safe storage containers available in the marketplace which may also be appropriate for your particular needs.
- Consult your local gun shop, hardware store, or local police department for guidance on the variety of other safe storage devices or practices which may be appropriate for your particular needs. By purchasing this firearm you have accepted the responsibility of safely securing the firearm at all times and preventing its unauthorized use. Never assume that the use of this lock alone is sufficient to safely secure your firearm. It is your personal responsibility to select and use whatever measures or practices that will enable you to be absolutely certain that your firearm is secure at all times.

<b>⚠ WARNING:</b>	<b>NEVER LOCK A LOADED FIREARM AND NEVER LOAD A LOCKED FIREARM.</b>
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- **ALWAYS STORE YOUR FIREARM AND AMMUNITION SEPARATELY** so that they are not accessible to children or other unauthorized persons. Safe and secure storage of your firearm and ammunition are your responsibility. It is a full-time responsibility.

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## 1. YOUR SAFETY RESPONSIBILITIES

- **NEVER ASSUME THAT A "HIDING" PLACE IS A SECURE STORAGE METHOD.**  
Others may be aware of your storage location or come upon it by chance. It is your personal responsibility to use common sense when storing your firearm and ammunition and to always make sure they are not accessible to children or other unauthorized persons.
- **NEVER TRANSPORT A LOADED FIREARM.**  
When transporting your firearm, be sure it is unloaded and locked. Safe and secure transportation of your firearm is your responsibility.
- **ALWAYS FOLLOW THE LAW!**  
Many jurisdictions have laws that make it a crime to keep a firearm unlocked and in an area accessible to children or others. Keeping a firearm locked and unloaded when not in use is not only common sense safety practice. IT IS THE LAW. You must be familiar with all local, state, and federal laws regarding the safe storage and transportation of your firearm. Failure to know and follow the law may result in unauthorized access or use of your firearm by another. Obey all laws relating to the storage and transportation of firearms. Your local police department or gun shop can furnish you with available information on storing and/or transporting a firearm safely and legally.
- **YOUR FIREARM IS YOUR RESPONSIBILITY.**  
You must prevent your firearm from being stolen or from being used by untrained or unqualified individuals. Keep it locked, unloaded and secured when not in use.

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## 2. AMMUNITION

### **⚠ WARNING**

NEVER USE AMMUNITION NOT SPECIFICALLY DESIGNATED FOR USE IN YOUR FIREARM. FAILURE TO USE THE SPECIFIC CARTRIDGE INTENDED FOR USE IN THE PISTOL MAY CAUSE THE PISTOL TO JAM, FAIL TO FIRE OR EVEN GENERATE EXCESSIVE GAS PRESSURE WHICH CAN DAMAGE OR DESTROY THE PISTOL, CAUSE PERSONAL INJURY, DEATH OR PROPERTY DAMAGE.

Locate the cartridge designation marked on the firearm. This information indicates the ammunition that must be used in this firearm (see 2. Fig. 1). You are responsible for selecting ammunition that meets industry standards and is appropriate in type and caliber for this firearm. Never use a cartridge not specifically designated for use in your firearm. Pressure from the wrong type of ammunition may exceed the capability of your firearm and may damage or even rupture your firearm.



2. Fig. 1

### NEVER MIX AMMUNITION.

In some cases, a round of ammunition not specified on your firearms may fit into the chamber. Firing ammunition not specified on your firearms may cause it to rupture and cause serious injury or death to you or others. Always inspect your ammunition before using it. Never use dirty, corroded or damaged ammunition which can lead to a burst cartridge which may cause damage to the firearms and personal injury or death.

### **⚠ WARNING**

NEVER USE NON-STANDARD, RELOADED OR "HAND LOADED" AMMUNITION WHICH HAS NOT BEEN SUBJECTED TO INTERNAL BALLISTIC PRESSURE TESTING. RELOADED OR HAND LOADED AMMUNITION, MAY HAVE MANY MANUFACTURING AND QUALITY VARIABLES (SUCH AS THE TYPE AND AMOUNT OF GUN POWDER). ANY AMMUNITION THAT IS IMPROPERLY MANUFACTURED, EVEN IN THE SLIGHTEST DEGREE, MAY FAIL TO FIRE OR MAY GENERATE EXCESSIVE INTERNAL PRESSURES WHICH CAN DAMAGE OR EVEN RUPTURE THE FIREARM, CAUSING PERSONAL INJURY OR DEATH TO THE SHOOTER OR THOSE IN THE IMMEDIATE VICINITY.

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## 2. AMMUNITION

A firearm and ammunition are a system and must work together. Their performance is closely related. There are different types of ammunition for different types of firearms. Your firearm has been designed for ammunition of a specific type and a specific caliber. It is important to select the proper ammunition for your firearm. Different combinations of bullet velocity, bullet weight and firearm weight can have major impact on felt recoil; high felt recoil can be uncomfortable to some shooters.

For Example

- Gun Weight: lower gun weight increases felt recoil.
- Bullet Weight: higher bullet weight increases felt recoil.
- Bullet Velocity: higher bullet velocity increases felt recoil.

To acclimate yourself to higher levels of felt recoil, consider the following:

- Use a firm two-hand hold on the grip when firing.
- Always start your shooting experience with the lowest bullet velocity and lowest bullet weight available for your firearm.
- Ask your firearm dealer to suggest the lowest power, lowest velocity, lightest bullet weight for your firearm.
- You can also consider changing your firearm's grip configuration/ composition to better fit your hand's specific size and shape.

### 3. MODEL AND FEATURES IDENTIFICATION

#### 3.1 MODEL / SERIAL NUMBER

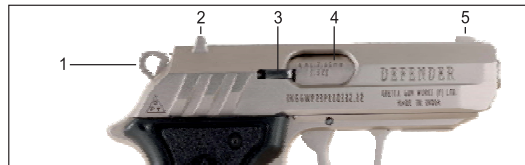


3.1. Fig.1



3.1. Fig.2

#### 3.2 FEATURES IDENTIFICATION



3.2. Fig.1



3.2. Fig.2

- |                 |                                   |                     |
|-----------------|-----------------------------------|---------------------|
| 1 Hammer        | 7 Lock and Decocking safety lever | 10 Magazine Release |
| 2 Rear Sight    | 8 Grip                            | 11 Trigger          |
| 3 Extractor     | 9 Magazine along with finger rest | 12 Trigger Guard    |
| 4 Ejection Port |                                   | 13 Frame            |
| 5 Front Sight   |                                   | 14 Barrel           |
| 6 Slide         |                                   |                     |

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#### 4. INSPECTING YOUR PISTOL



**WARNING**

THE FAILURE TO FOLLOW THESE FIREARM SAFETY REQUIREMENTS MAY CAUSE SERIOUS PERSONAL INJURY OR DEATH TO YOU OR OTHERS.

- ALWAYS TREAT ALL FIREARMS AS IF THEY ARE LOADED.
- ALWAYS BE SURE THAT ALL ACTIONS OF FIREARMS ARE OPEN, THAT CHAMBERS ARE CLEAR OF CARTRIDGES, MAGAZINES ARE REMOVED, AND THAT FIREARMS ARE POINTING IN A SAFE DIRECTION.
- ALWAYS KEEP FINGERS AND OTHER PARTS OF YOUR BODY AWAY FROM THE MUZZLE, AND AWAY FROM THE PISTOL SLIDE AND EJECTION PORT.
- ALWAYS WEAR ADEQUATE AND PROPER EAR PROTECTORS SPECIFIED FOR FIREARM USE to prevent permanent damage to your hearing. Make sure others who are nearby are wearing ear protection as well.
- ALWAYS WEAR SAFETY GLASSES SPECIFIED FOR FIREARM USE, whether indoors or out. Safety glasses should protect your eyes from the firing and particles associated with the discharge of ammunition. Failure to do so creates a risk of personal injury from particle or debris spitting or ricochets.
- ALWAYS BE ALERT AND ALWAYS FOLLOW THE SAFETY INSTRUCTIONS OF THE RANGE OFFICER. Never shoot if you are tired, cold or impaired in any way.
- ALWAYS BE AWARE OF OTHER PEOPLE so that persons cannot accidentally walk into the line of fire.
- THE SHOOTER (AND ALL OTHERS IN THE SHOOTING AREA) MUST ALWAYS BE IN A POSITION THAT IS OUT OF THE LINE OF FIRE and are not within an area where they may be struck by ricochets, or particles from the firearm, or by ejected cases.
- NEVER SHOOT AT HARD SURFACES, WATER OR RANDOMLY INTO THE SKY.
- Always select a place to shoot that has a safe backstop and is free from obstructions and water surfaces which cause ricochets.
- NEVER USE ALCOHOL OR DRUGS BEFORE OR WHILE SHOOTING OR HANDLING OF ANY FIREARM.
- When you inspect the pistol, you should first check to ensure that it is unloaded. To do this, grasp the grip of the frame with your finger off the trigger and outside the trigger guard, point the muzzle in a safe direction, rotate the decocking safety lever fully down into the (SAFE) position as shown (4. Fig. 1). Then depress the magazine release and remove the magazine.



4. Fig.1

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#### 4. INSPECTING YOUR PISTOL

- Point the muzzle in a safe direction, grasp the serrated sides of the slide from the rear with the thumb and fingers as shown in (4. Fig. 2) and briskly draw the slide fully rearward in order to extract any cartridge from the chamber and clear it from the pistol. Do not obstruct the ejection port because doing so can interfere with the proper ejection of a cartridge. (4. Fig. 2)



4. Fig. 2

NOTE: In normal operation, when the slide is released from the open position and is allowed to return to the fully closed position with the decocking safety lever in the down (SAFE) position (as shown in 4. Fig. 2), the hammer will fall against the decocking safety body.

- Lock the slide in the open position: Insert an empty magazine into the pistol. Pull the slide fully back and then release it to lock it open.
- Remove the magazine.
- Check the chamber to verify that it is unloaded and check the bore visually that it is clean, dry, and free from any obstructions (4. Fig. 3).



4. Fig. 3

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#### 4. INSPECTING YOUR PISTOL

• You must follow this procedure every time a firearm leaves your hand, is cleaned, handed to you or another person, transported or stored.

• To unload a loaded magazine, hold it with the bullet end of the cartridge pointing away from you and others and press each cartridge forward and out of the magazine.

• To close the slide on an unloaded pistol, first remove the magazine and then pull the slide fully back and release it (4. Fig. 4).

• Familiarize yourself with the safety decocking lever on your pistol. When the safety decocking lever is fully up (parallel to the top of the slide) (4. Fig. 5) it is in the (FIRE) position; when the safety decocking lever is fully down (4. Fig. 6), it is in the (SAFE) position. Notice how the safety decocking lever looks and feels in each of the two positions of its extreme travel - fully up for (FIRE) and fully down for (SAFE).

• Your pistol may have a red dot, which is totally visible when the safety decocking lever is in the (FIRE) position; however, do not rely on your inability to see a red dot as the only indication that the safety decocking lever is engaged.



4. Fig. 4



4. Fig. 5



4. Fig. 6

**⚠ WARNING** NEVER RELY ON MECHANICAL FEATURES ALONE. ONLY YOUR SAFE FIREARM HANDLING WILL ENSURE THE SAFE USE OF YOUR FIREARM. THIS IS YOUR RESPONSIBILITY.

**⚠ WARNING** PLEASE BE ADVISED THAT OTHER MODEL OR BRAND PISTOLS MAY HAVE A SAFETY OR DECOCKING LEVER THAT OPERATES DIFFERENTLY

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## 5. LOADED CHAMBER INDICATOR

### **WARNING**

NEVER RELY UPON THE LOADED CHAMBER INDICATOR ALONE TO VERIFY THE PRESENCE OR ABSENCE OF A ROUND IN THE CHAMBER. THE SUREST METHOD TO DETERMINE THE PRESENCE OR ABSENCE OF A ROUND IN THE CHAMBER IS TO VISUALLY CHECK THE CHAMBER OF YOUR FIREARM BY REMOVING THE MAGAZINE AND PULLING AND LOCKING THE SLIDE IN THE OPEN POSITION.

### **WARNING**


ALWAYS TREAT EVERY FIREARM AS IF IT IS LOADED AND WILL FIRE IF THE TRIGGER IS PULLED. A LOADED CHAMBER INDICATOR MAY HELP DETERMINE WHETHER THE CHAMBER IS LOADED OR UNLOADED. THE AMOUNT OF LIGHT, CLEANLINESS OF THE PISTOL, DISCOLORATION OF THE AMMUNITION AND OTHER FACTORS MAY LIMIT THE EFFECTIVENESS OF THE LOADED CHAMBER INDICATOR.

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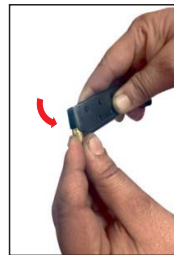
## 6. LOADING

- Do not load the pistol until you have read and fully understand this manual.
- Do not load the pistol until you are ready to use it. Keep your finger off the trigger and outside the trigger guard until you are ready to fire.
- Never load your pistol until you are sure of your target, what is beyond it and are fully prepared to fire.

### 6.1 LOADING THE MAGAZINE

 <b>WARNING</b>	DO NOT ATTEMPT TO LOAD THE MAGAZINE WITH MORE THAN
	THE SPECIFIED NUMBER OF CARTRIDGES BECAUSE DOING SO MAY CAUSE A FAILURE TO FEED A ROUND OF AMMUNITION INTO THE CHAMBER. DO NOT USE EXCESSIVE FORCE WHEN LOADING THE MAGAZINE, AS THIS MAY DAMAGE THE MAGAZINE. DAMAGED OR DEFECTIVE MAGAZINES CAUSE MALFUNCTIONS AND MAY CAUSE IMPROPER FUNCTIONING OF THE PISTOL.

Load the magazine by pressing a cartridge base (rear of cartridge) downward on the forward portion of the magazine follower (or downward on the case of a previously loaded cartridge) and sliding the cartridge fully under the lips of the magazine until the cartridge base is against the rear wall of the magazine. Repeat the procedure for the number of cartridges you wish to load, up to the magazine capacity (6.1. Fig. 1).



(6.1. Fig. 1)

### 6.2 LOADING THE PISTOL

- Inspect the pistol as shown in section 4.
- Grasp the pistol with your finger off the trigger and outside the trigger guard, point the muzzle in a safe direction. Insert the loaded magazine into the magazine well of the pistol until it is locked in place.

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## 6. LOADING

To make sure that the magazine is fully and securely inserted, try pulling down on the exposed portion of the magazine it should not move.

**⚠ WARNING** DO NOT USE EXCESSIVE UPWARD FORCE WHEN INSERTING A LOADED MAGAZINE INTO THE PISTOL. EXCESSIVE UPWARD FORCE COULD CAUSE THE SLIDE TO MOVE FORWARD, PISTOL READY TO FIRE.

- Pull the slide fully to the rear and let go allowing it to move fully forward. This strips a cartridge from the magazine and seats it in the chamber of the barrel.

**⚠ WARNING** UPON FIRING THE PISTOL OR RELEASING THE SLIDE FROM THE SLIDE STOP, THE SLIDE MOVES REARWARD OR FORWARD WITH SIGNIFICANT FORCE AND SPEED. TO AVOID INJURY, BE SURE NO PART OF YOUR BODY IS IN THE PATH OF THE SLIDE'S TRAVEL.

**⚠ WARNING** IF THE CARTRIDGE FAILS TO STRIP FROM THE MAGAZINE OR FULLY SEAT INTO THE CHAMBER, IMMEDIATELY STOP THE LOADING PROCESS. REMOVE THE MAGAZINE, LOCK THE SLIDE OPEN AND VERIFY THAT THE CHAMBER IS EMPTY. REFER TO THE "INSPECTING THE PISTOL" SECTION OF THIS MANUAL.

**⚠ WARNING** ALWAYS LOAD A ROUND INTO THE CHAMBER BY FEEDING IT FROM THE MAGAZINE. NEVER ATTEMPT TO LOAD THE PISTOL BY INSERTING A ROUND INTO THE CHAMBER VIA THE OPEN EJECTION PORT. FAILURE TO FOLLOW THIS WARNING MAY RESULT IN SEVERE INJURY OR DEATH TO YOU OR OTHERS.

**⚠ CAUTION** The pistol is now loaded and ready to fire. The pistol and its magazine are now loaded and will fire when the trigger is squeezed. Remember to keep the muzzle pointed in a safe direction under all conditions and always keep your finger or any other object off the trigger and outside the trigger guard until you decide to fire the pistol. Never leave a loaded firearm unattended or out of your direct control.

- Take this opportunity to look at the loaded chamber indicator. If the loading procedure has been properly followed, you will observe the loaded chamber indicator pin protruding from the back of the slide.


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## 6. LOADING

 **WARNING** THE PISTOL CAN NOW BE FIRED BY PULLING THE TRIGGER TO THE REAR.

- If you wish to restore the magazine in your pistol to its full capacity, rotate the decock/ safety lever to the down (SAFE) position and leave it in that position. Depress the magazine release and remove the magazine from the pistol. Remember that there is a round in the chamber; therefore, the firearm should be holstered or safely secured during this process without touching the trigger. Load one cartridge into the magazine to replace the one which was chambered when you allowed the slide to carry forward.

- Re-insert the loaded magazine into the magazine well of the pistol until it is locked in place. To make sure that the magazine is again fully and securely inserted, apply some removal pressure to the exposed portion of the magazine butt plate.

 **CAUTION** Your pistol and magazine are now fully loaded. Ensure that the decocking safety lever is in the down (SAFE) position. Your pistol is now in a safe condition to be holstered and carried. NEVER HOLSTER, CARRY OR STORE YOUR PISTOL WITH THE HAMMER COCKED. Remember to keep your pistol pointed in a safe direction under all conditions and always keep your finger or any other object off the trigger and outside the trigger guard until you have made the commitment to fire the firearms. Never leave a loaded firearm out of your direct control.

 **CAUTION** After inserting a magazine, always test to make sure it is locked in place by applying some removal pressure to the exposed portion of the butt plate.

 **WARNING** YOUR PISTOL IS NOT EQUIPPED WITH A MAGAZINE DISCONNECT FEATURE. THE PISTOL WILL FIRE WITH THE MAGAZINE REMOVED FROM THE PISTOL.

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## 7. FIRING

**⚠ WARNING** ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION.

**⚠ WARNING** WEAR EYE AND EAR PROTECTION SPECIFIED FOR FIREARM USE EVERY TIME YOU DISCHARGE YOUR FIREARM. MAKE SURE OTHERS IN THE VICINITY OF WHERE YOU WILL BE SHOOTING DO SO AS WELL.

**⚠ WARNING** UPON FIRING THE PISTOL OR RELEASING THE SLIDE FROM THE SLIDE STOP, THE SLIDE MOVES REARWARD OR FORWARD WITH SIGNIFICANT FORCE AND SPEED. TO AVOID INJURY, BE SURE NO PART OF YOUR BODY INTERFERES WITH THE SLIDE MOVEMENT OR EJECTION OF THE FIRED CASE.

- The slide then returns forward feeding the next cartridge from the magazine to the barrel chamber. The hammer remains in the cocked position and the trigger is in the rearward position-so that subsequent shots will be fired in single action mode. This sequence can be repeated until the last round has been fired at which time the magazine follower exerts upward pressure on the slide stop causing it to engage the slide and hold it in the "open" position.

**⚠ WARNING** SINGLE ACTION FIRING REQUIRES SIGNIFICANTLY LESS PRESSURE ON THE TRIGGER AND REDUCED TRIGGER TRAVEL THAN DOUBLE ACTION FIRING.

**⚠ WARNING** "STAGING" THE TRIGGER VIOLATES A BASIC RULE OF FIREARM SAFETY WHICH WARNS YOU TO KEEP YOUR FINGER OUT OF THE TRIGGER GUARD UNTIL YOU HAVE MADE THE COMMITMENT TO FIRE. "STAGING" CREATES A SERIOUS RISK OF PERSONAL INJURY OR DEATH SINCE IT MAY LEAD TO AN UNINTENTIONAL DISCHARGE.

- Some users of GRETTA firearms may stage the trigger in anticipation of firing a shot. Staging is the act of pulling the trigger rearward toward – stopping just short of – the point where the firearms fingers. Such manipulation of the trigger can reduce the user's control of the firearms and can result in an unintentional discharge. Furthermore if the user decides not to fire, release of the trigger from a position close to the finger point in the staging process could result in an unintentional discharge. We warn all users of our firearms to never attempt to "stage" the trigger.

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## 7. FIRING

- Keep the muzzle pointed in a safe direction and your finger outside the trigger guard until you are ready to fire.
- With a arm grip, allow your finger to be placed squarely across the face of the trigger. Squeeze the trigger fully to the rear. As the trigger is drawn fully to the rear, the hammer is released, striking the cartridge primer. Upon firing, the slide moves rearward thereby extracting and ejecting the spent cartridge case. The slide then returns forward feeding the next cartridge from the magazine into the chamber.
- After firing you must allow the trigger to move fully forward before you can fire the next shot. Failure to do so will prevent the lock work from fully cycling and will prevent you from being able to fire the next shot. Keep your finger off the trigger and outside the trigger guard until you are ready to fire again. This sequence can be repeated until the last round has been fired. Trigger pull and trigger travel is the same from the first to the last round.
- Once the last round has been fired the magazine follower exerts upward pressure on the slide stop causing it to engage the slide and to hold it in the "open" position.

### 7.1 COCKING



ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION.

The first shot may be fired in the single action mode when so desired. You can prepare your pistol for single action firing by pointing the muzzle in a safe direction, ensuring your finger remains off of the trigger, rotating the safety decocking lever fully up into the (FIRE) position, and pulling the hammer spur rearward until it locks into the fully-cocked position.



THE PISTOL CAN NOW BE FIRED BY PULLING THE TRIGGER TO THE REAR.

### 7.2 DECOCKING



ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION.

- If you decide not to fire after you have manually cocked the hammer or if you decide to suspend firing, keep the pistol pointed in a safe direction.
- Remove your finger from within the trigger guard.

## 7. FIRING

- Rotate the safety decocking lever fully down into the (SAFE) position (7.2. Fig. 1). This action will decock the hammer allowing it to fall against the decocking safety body.



(7.2. Fig. 1).

- Rotate the safety decocking lever fully up into the (FIRE) position and the trigger will release to its forward position.
- Rotate the safety decocking lever back down into the (SAFE) position. Your pistol is now in a safe condition to be holstered and carried.

**⚠ WARNING** NEVER HOLSTER, CARRY OR STORE YOUR PISTOL WITH THE HAMMER COCKED.

### 7.3 EXCHANGING MAGAZINES

Once the last round has been fired, the magazine follower exerts upward pressure on the slide stop causing it to engage the slide stop notch thereby holding it in the "open" position.

- Be certain the chamber is empty.
- Depress the magazine release and remove the magazine.
- To continue shooting, insert another loaded magazine.
- Pull the slide fully to the rear, let it go and allow it to run fully forward.

**⚠ WARNING** WEAR EYE AND EAR PROTECTION SPECIFIED FOR FIREARM USE EVERY TIME YOU DISCHARGE YOUR FIREARM. MAKE SURE OTHERS IN THE VICINITY OF WHERE YOU WILL BE SHOOTING DO SO AS WELL.

**⚠ CAUTION** After inserting a magazine, always test to make sure it is locked in place by applying some removal pressure to the exposed portion of the butt plate.

**⚠ WARNING** UPON FIRING THE PISTOL OR RELEASING THE SLIDE FROM THE SLIDE STOP, THE SLIDE MOVES REARWARD OR FORWARD WITH SIGNIFICANT FORCE AND SPEED. TO AVOID INJURY, BE SURE NO PART OF YOUR BODY IS IN THE PATH OF THE SLIDE'S TRAVEL.

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## 7. FIRING

### 7.4 UNLOADING THE PISTOL



**WARNING**

YOUR PISTOL IS NOT EQUIPPED WITH A MAGAZINE DISCONNECT FEATURE. THE PISTOL WILL FIRE WITH THE MAGAZINE REMOVED FROM THE PISTOL.

- Point the muzzle in a safe direction. Make sure your finger is off the trigger and out of the trigger guard.
- Place the decocking safety lever into the down (SAFE) position.
- Point the pistol in a safe direction and press the magazine release button and remove the magazine.

- Keep the muzzle pointed in a safe direction, and keep your finger off the trigger and outside the trigger guard. Grasp the serrated sides of the slide from the rear with the thumb and fingers (7.4. Fig. 1), and briskly draw the slide fully rearward in order to extract any cartridge from the chamber and clear it from the pistol. Do not obstruct the ejection port because doing so can interfere with proper ejection of a cartridge. (7.4. Fig. 1)



7.4. Fig.1

- Unload the magazine by holding it with the bullet end of the cartridge pointing away from you and others and pressing each cartridge forward and out of the magazine.
- After double checking that the magazine is empty, place this unloaded magazine into the firearm.



**WARNING**

WHEN VIEWING THE LOADED CHAMBER INDICATOR (7.4. FIG. 2), YOU MUST ALWAYS REMEMBER TO KEEP THE FIREARM POINTED IN A SAFE DIRECTION WITH YOUR FINGER OFF THE TRIGGER AND OUTSIDE OF THE TRIGGER GUARD.

- Lock the slide in the open position. Grasp the serrated sides of the slide from the rear with the thumb and fingers as shown in 7.4. Fig. 1, briskly draw the slide fully rearward and release. The slide should remain open.



7.4. Fig.2

- Visually check the barrel chamber to be sure it is empty (4. Fig. 3). Look into the chamber and down through the magazine well. Verify that no ammunition remains in the pistol. Check the bore visually for any obstructions.
- Visually check the breech face. If the firing pin is protruding do not attempt to use the firearm. Take it to an authorized GRETТА (P) LTD. dealer.

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## 7. FIRING

- You must follow this procedure every time your firearm is inspected, cleaned, handed to another person, transported or stored.

### **WARNING**

ANY TIME YOU RELEASE THE SLIDE WHILE A MAGAZINE CONTAINING CARTRIDGES IS IN THE PISTOL, YOU WILL HAVE CHAMBERED A NEW ROUND IN THE PISTOL. THE PISTOL WILL BE READY TO FIRE.

### 7.5 CLEARING MISFIRES

### **WARNING**

IF YOUR FIREARM GIVES ANY INDICATION THAT IT IS NOT PERFORMING PROPERLY OR THE OPERATION OF YOUR FIREARM HAS CHANGED "THE WAY IT FEELS OR SOUNDS", STOP FIRING. MAKE SURE THE FIREARM IS POINTED IN A SAFE DIRECTION, UNLOAD THE FIREARM AND HAVE IT INSPECTED AND TEST-FIRED BY A GUNSMITH QUALIFIED TO PERFORM SERVICE ON GRETТА FIREARMS.

- If a cartridge fails to fire, wait ten (10) seconds while keeping the muzzle pointed in a safe direction.
- Keep your finger off the trigger and out of the trigger guard.
- Rotate the decocking safety lever down into the (SAFE) position.
- Remove the magazine.
- Grasp the serrated sides of the slide from the rear and briskly pull the slide fully rearward to eject the misfired round. Do not obstruct the ejection port, and do not attempt to catch the round by placing your hand over the ejection port. Also remember that any time you release the slide while a magazine containing cartridges is in the pistol, you will have reloaded the chamber.

### **WARNING**

GRETТА PISTOL IS DESIGNED SO THAT THEY ARE ABLE TO FIRE WHEN THE MAGAZINE IS REMOVED. THEREFORE, IF THE MAGAZINE IS REMOVED FROM THE PISTOL AND THERE IS A LOADED ROUND IN THE CHAMBER, IT WILL FIRE IF THE TRIGGER IS PULLED. AFTER INSERTING A MAGAZINE, ALWAYS TEST TO MAKE SURE IT IS LOCKED IN PLACE BY APPLYING SOME REMOVAL PRESSURE TO THE EXPOSED PORTION OF THE MAGAZINE BUTT PLATE.

- In order to lock the slide open, insert an empty magazine into the pistol, pull the slide fully back and release.
- Check the barrel chamber and bore visually for any obstructions. You must be certain there are no cartridges in the chamber or obstructions in the barrel. If there are any obstructions in the bore of the barrel have the pistol further examined and repaired by a qualified gunsmith before using again.

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## 8. FIELD-STRIPPING, CLEANING, LUBRICATION AND MAINTENANCE

**⚠ WARNING** ALWAYS KEEP THE BARREL POINTED IN A SAFE DIRECTION.

**⚠ WARNING** ALWAYS FOLLOW THE FIELD STRIPPING INSTRUCTIONS EXACTLY. NEVER DO ANYTHING BEYOND WHAT YOU ARE SPECIFICALLY INSTRUCTED TO DO IN THIS MANUAL. NEVER ALTER OR MODIFY THE PARTS IN YOUR PISTOL.

**⚠ WARNING** WEAR SAFETY GLASSES EVERY TIME YOU ASSEMBLE OR DISASSEMBLE YOUR FIREARM.

**⚠ WARNING** DO NOT ALTER, MODIFY OR REPLACE ANY OF THE PARTS OF YOUR FIREARM UNLESS THIS WORK IS PERFORMED BY A QUALIFIED GUNSMITH USING GENUINE GRETTA (P) LTD. PARTS. IF YOU DO OTHERWISE, IMPROPER FUNCTIONING MAY OCCUR AND SERIOUS INJURY, DEATH OR DAMAGE TO PROPERTY MAY RESULT.

**⚠ WARNING** NEVER DISASSEMBLE YOUR FIREARMS BEYOND THE FIELD STRIPPING PROCESS OUTLINED IN THIS MANUAL. NEVER MANIPULATE ANY INTERNAL COMPONENTS BEYOND WHAT YOU ARE SPECIFICALLY INSTRUCTED TO DO IN THIS MANUAL SINCE THIS MAY AFFECT THE RELIABILITY, FUNCTIONING AND SAFETY OF YOUR FIREARMS.

### 8.1 MAIN COMPONENTS

- Point the pistol in a safe direction and rotate the safety decocking lever into the down (SAFE) position.
- Remove the magazine by depressing the magazine release button and clearing it from the firearm.
- Clear the chamber and verify that it is empty.
- With the pistol unloaded, hold the grip firmly in one hand and put your index finger along the side of the trigger guard. With your other hand, pull down the front of the trigger guard (8.1. Fig. 1).



8.1. Fig.1

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### 8.1 FIELD-STRIPPING, CLEANING, LUBRICATION AND MAINTENANCE

- When the front of the trigger guard comes out of the frame, press it sideways with your index finger to keep it from springing back up into the frame (8.1. Fig. 2).



8.1 Fig.2

- With your free hand, grab the slide by its grooves and pull it all the way back until you can lift the back end up, clear off the frame (8.1. Fig. 3) Ease the slide forward and off the pistol.
- Be careful not to let go of the slide while you can still feel the spring tension, or it could fly off of the pistol and be damaged or cause injury.



8.1 Fig.3

Pull the recoil spring off the front of the barrel (8.1. Fig. 4). No further disassembly is required.



8.1 Fig.4

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## 8.2 FIELD-STRIPPING, CLEANING, LUBRICATION AND MAINTENANCE

### 8.2 CLEANING THE PISTOL

Your firearm is a precision instrument. To ensure the reliable function of the pistol, it is necessary to establish routine maintenance procedures.

 <b>WARNING</b>	CHECK THAT THE PISTOL IS UNLOADED (MAGAZINE REMOVED FROM PISTOL AND CHAMBER CLEAR). ALSO ENSURE THAT THE MAGAZINE IS UNLOADED.
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After each use of the pistol or after being subjected to extreme weather conditions, the pistol should be cleaned and lubricated. Also, before using the pistol for the first time, it should be examined and cleaned. The pistol has been treated with either a preservative or oil to protect it against corrosion. Before using it, all excess oil should be wiped from the bore, chamber, and exposed areas using a clean swab or patch. Field-strip the pistol as previously described. Starting with the barrel and from chamber end, insert a brush through the bore of the barrel until the bristles completely exit at muzzle end. Pull the brush back until the bristles completely exit at chamber end. Use a good powder-removing solvent and brass bristle bore brush to remove lead and firing residue from the interior of the barrel. Wipe the areas clean with patches or a swab. Using a small brush dipped in solvent, remove all deposits from around the breech face, chamber end of the barrel, extractor and adjacent areas which have been exposed to powder or primer residue. Remove any residue on the frame with light brushing and a solvent. After cleaning, apply a light film of high quality gun lubricant to all external metal surfaces and wipe clean. If the pistol will be used or stored in a cold climate, be sure to use appropriate lubricant that will not congeal at low temperatures.

 <b>WARNING</b>	NEVER MANIPULATE, ADJUST OR CHANGE ANY OF THE INTERNAL COMPONENTS OF YOUR FIREARM UNLESS SPECIFICALLY DIRECTED TO DO SO IN THIS MANUAL.
IMPROPER MANIPULATION OF ANY INTERNAL COMPONENT MAY AFFECT THE SAFETY AND RELIABILITY OF YOUR FIREARM AND MAY CAUSE SERIOUS INJURY, DEATH, OR DAMAGE TO PROPERTY.	

## TECHNICAL SPECIFICATION

	DEFENDER .32 (13+1)(SHOT)	PYTHON .45 (7+1)(SHOT)	PPK-S .32 (9+1)(SHOT) (12+1)(SHOT)	PPK-S .380 (7+1)(SHOT) (9+1)(SHOT)
CALIBER	.32 AUTO	.45 AUTO	32 AUTO	.380 AUTO
CAPACITY	(13+1)(SHOT)	(7+1)(SHOT) (9+1)(SHOT)	(9+1)(SHOT) (12+1)(SHOT)	(8+1)(SHOT) (10+1)(SHOT)
OPERATION(ACTION)	DOUBLE ACTION	SINGLE ACTION	DOUBLE ACTION	DOUBLE ACTION
FRAME	HIGH DURABLE FULL METAL BODY	HIGH DURABLE FULL METAL BODY	HIGH DURABLE FULL METAL BODY	HIGH DURABLE FULL METAL BODY
LOCK	SAFETY LOCK AVAILABLE	SAFETY LOCK AVAILABLE	SAFETY LOCK AVAILABLE	SAFETY LOCK AVAILABLE
DE-COCK	DE -COCK AVAILABLE	ONLY -COCK AVAILABLE	DE -COCK AVAILABLE	DE -COCK AVAILABLE
WEIGHT	750 GM. (UNLOADEDE) EASY PUSH	1025 GM. (UNLOADEDE) EASY PUSH	800 GM. (UNLOADEDE) EASY PUSH	780 GM. (UNLOADEDE) EASY PUSH
PUSH BUTTON MAGAZINE	YES	YES	YES	YES
RANGE	50-100 MTRS(APPROX)	50-60 MTRS(APPROX)	50-100 MTRS(APPROX)	50-100 MTRS(APPROX )
COLOUR (ON ORDER)	BLACK/WHITE GREEN	BLACK/WHITE GREEN	BLACK/WHITE GREEN	BLACK/WHITE GREEN
SIGHTS	FRONT & REAR SIGHT AVAILBLE	FRONT & REAR SIGHT AVAILBLE	FRONT & REAR SIGHT AVAILBLE	FRONT & REAR SIGHT AVAILBLE

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## 10. SUPPORT

Gretta (P) Ltd. firearms are warranted to be free from defects in material and workmanship for Two (2) year after the date of original new firearm retail purchase by the initial consumer. If the other party does not strictly adhere to the warning given in the manual, Gretta (P). Ltd. will not be liable. Except as may otherwise be provided or excluded in this limited warranty, GRETTA (P) LTD. agrees to correct any such defects in materials and workmanship by repair or replacement with a copy of bill of sale. Gretta (P). Ltd. assumes no responsibility for product malfunction or for physical injury or property damage resulting in whole or in part from: failure to follow the instructions in this manual; the firearm is disassembled beyond the instructions in this manual; criminal or negligent use of the product; improper or careless handling; unauthorized modifications; use of defective, improper or hand-loaded, reloaded, re-manufactured ammunition or ammunition of a different caliber than the firearm is chambered for; customer misuse, abuse, neglect or improper maintenance of the product or other influences beyond Gretta (P) Ltd. control.

This warranty does not apply to normal wear and tear of any parts, including metal, wood, plastic, rubber or the surface finish of any material, or if unauthorized repair and/or alteration has been performed. This warranty does not cover repairs related to unreasonable use, corrosion, damaged or shopworn display firearms, or firearm parts damaged by an obstructed bore or barrel, or firearms damaged in return shipment due to improper packing and handling.

The implied warranties of merchantability and fitness for a particular purpose are expressly disclaimed. All disclaimers and limitations of liability shall still apply even if the limited remedy of repair or replacement fails of its essential purpose. There are no warranties which extend beyond the description on the face hereof. The sole and exclusive remedy pursuant to this warranty is the repair or replacement of your firearm, at the sole discretion of Gretta (P) Ltd.

Any action against Gretta (P) Ltd. based on an alleged breach of this limited warranty must be brought within one (1) year of the claimed breach. Gretta (P) Ltd. reserves the right to inspect any product before making any adjustment covered by this warranty.

Under no circumstances shall Gretta (P) Ltd. be liable for incidental or consequential damages with respect to economic loss or injury or property damage. This warranty gives only the original retail purchaser specific legal rights. The terms of the warranty cannot be changed except in writing by an officer of Gretta (P) Ltd. Gretta's factory in New Delhi, India is the only authorized repair location at present.

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## 10. SUPPORT

### Obtaining Gretta replacement parts

**⚠ WARNING**

Only use Gretta replacement parts. Use of aftermarket parts can create unsafe conditions and will void the warranty. Gretta replacement parts are available at Gretta (P) Ltd. Master Dealers or at [www.grettagunworks.com](http://www.grettagunworks.com)

### Custom Shop treatments

The Gretta Custom Shop can quickly and professionally modify or personalize any Gretta (P) Ltd. firearm. For complete information, contact Gretta Customer Service.

### Customer Service

Gretta Customer Service 9625101315  
[customerservice@grettagunworks.com](mailto:customerservice@grettagunworks.com)

**⚠ WARNING**

This firearm has been designed to function properly in its original condition. Do not alter any part or add or substitute parts or accessories not made or authorized for use by Gretta (P) Ltd. any such alteration will render the firearm unsafe, and will void the warranty.

**⚠ WARNING**

Do not alter, modify or replace any of the parts of your firearm unless this work is performed by a qualified gunsmith using genuine Gretta (P) Ltd. parts or by Gretta (P) Ltd Failure to abide by this WARNING may damage or affect the reliability, safety or performance of your firearm, and such failure will create a potential risk of death, serious injury or property damage, and will void the warranty.

**⚠ WARNING**

Read through the entire manual before attempting to use this product. Safe operation of this firearm is your obligation, and requires that you completely read and understand this manual in its entirety.

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**11. WARRANTY CARD**

**WARRANTY CARD**

LIABILITY FOR CONSEQUENTIAL LOSS OR DAMAGE IS NEITHER  
ACCEPTED NOR IMPLIED.

SERIAL NUMBER \_\_\_\_\_

DATE OF PURCHASE \_\_\_\_\_

PURCHASER'S NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

LICENCE NUMBER \_\_\_\_\_

\_\_\_\_\_



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