

# TM22 STANDARD



## USERS MANUAL



**WARNING: READ THE INSTRUCTIONS AND SAFETY PRECAUTIONS IN THIS MANUAL CAREFULLY BEFORE USING THE FIREARM.**

# ROCK ISLAND ARMORY

## **USERS MANUAL TM22 STANDARD** SAFETY, INSTRUCTION AND PARTS MANUAL



As a responsible owner of this firearm, you must read the instructions and warnings in this manual carefully. Before using this firearm, make sure you understand thoroughly the contents of this manual.

This manual must always be in the firearms carrying case whenever the owner/user brings it or when it transfers ownership. A copy of this manual is available upon request from:

**ARMSCOR PRECISION INTERNATIONAL**  
150 N Smart Way, Pahrump NV 89060  
E-mail: [support@armscor.com](mailto:support@armscor.com)

# TABLE OF CONTENTS

1 Statement of Liability

1 State-By-State Warnings

2 Safety Precautions

3 Important Warnings

## HEALTH&SAFETY

4 Tech Specs

5 Basic Parts

6 Exploded View

## ABOUT THE FIREARM

Operating Instructions 7-11

Disassembling The Firearm...7-8

Assembling The Firearm...9-10

Ordering Parts 12

Warranty 13

Notes 14

## MAINTENANCE



### STATEMENT OF LIABILITY

This firearm is classified as a firearm or dangerous weapon. It is expressly understood that we assume no liability for its resale or unsafe handling under local laws and regulations. Armscor assumes no responsibility for physical injury or property damage resulting from either intentional or accidental discharge, or for the function of the firearm subjected to influence beyond their control. Armscor will honor no claims which may result from careless handling, unauthorized adjustments, defective or improper ammunition, corrosion or neglect. Examine your firearm carefully at the time of purchase. It should be forwarded immediately to the factory or its sales agent if any adjustment of any kind is required.

### State-By-State Warnings



#### CALIFORNIA STATE WARNING

*CHILDREN ARE ATTRACTED TO AND CAN OPERATE FIREARMS THAT CAN CAUSE SEVERE INJURIES OR DEATH. PREVENT CHILD ACCESS BY ALWAYS KEEPING FIREARMS LOCKED AWAY AND UNLOADED WHEN NOT IN USE. IF YOU KEEP A LOADED FIREARM WHERE A CHILD OBTAINS AND IMPROPERLY USES IT, YOU MAY BE FINED OR SENT TO PRISON. IT IS UNLAWFUL TO USE A MAGAZINE WITH A CAPACITY OVER 10 ROUNDS.*



#### MASSACHUSETTS STATE WARNING

*IT IS UNLAWFUL TO CARRY ANY MAGAZINE OR BELT WHICH HOLDS MORE THAN TEN ROUNDS, UNLESS AUTHORITY IS GRANTED BY THE BOSTON POLICE COMMISSIONER. IT IS UNLAWFUL TO STORE OR KEEP A FIREARM, RIFLE, FIREARM OR MACHINE GUN IN ANY PLACE UNLESS THAT WEAPON IS EQUIPPED WITH A TAMPER RESISTANT SAFETY DEVICE OR IS STORED OR KEPT IN A SECURELY LOCKED CONTAINER.*



#### NEW YORK STATE WARNING

*IT IS UNLAWFUL TO CARRY ANY MAGAZINE OR BELT WHICH HOLDS MORE THAN SEVEN ROUNDS, UNLESS AUTHORITY IS GRANTED BY THE STATE OF NEW YORK. THE USE OF A LOCKING DEVICE OR SAFETY LOCK IS ONLY ONE ASPECT OF RESPONSIBLE FIREARMS STORAGE FOR INCREASED SAFETY, FIREARMS SHOULD BE STORED UNLOADED AND LOCKED IN A LOCATION THAT IS BOTH SEPARATED FROM THEIR AMMUNITION AND INACCESSIBLE TO CHILDREN AND OTHER UNAUTHORIZED PERSONS.*

## 02 | SAFETY PRECAUTIONS

Safety must be the first and constant consideration of every person who handles firearms and ammunition. The person with a firearm in his possession has an important responsibility. He/She must know how to use his/her firearm safely:

1. Always keep the muzzle pointed at a safe direction. Watch the muzzle at all times. Never point a gun, accidentally or intentionally, at any person or anything you do not intend to shoot. Identify the target before shooting; do not shoot at sounds.
2. Always treat a gun as if it is loaded – it may be!
3. Keep your finger off the trigger while operating the action and at all other times until you are ready to shoot.
4. Keep the safety “on” or in the “safe” position at all times until you are ready to fire. Do not rely on your gun’s safety, the safety on any gun is a mechanical device and is not intended as a substitute for common sense or safe gun handling.
5. Learn how your gun functions and handles. If you do not thoroughly understand the proper use and care of your gun, seek the advice of someone who is knowledgeable.
6. Do not alter or modify any part of the firearm.
7. Store guns unloaded, separate from any ammunition, and out of the reach of children.
8. Be sure the barrels is clear of any obstructions before loading. Make it a habit to check the barrel every time before loading.
9. Be sure you have and use the proper ammunition.
10. Wear protective shooting glasses, adequate ear protection and gloves when shooting.
11. Never climb or jump over anything, such as a tree, fence, or ditch, with a loaded gun. Open the barrel, remove the shells and hand the gun to someone else or place it on the ground on the other side of the obstacle before crossing it yourself. Do not lean a gun against a tree or other object; it could fall and possibly discharge.

12. Do not shoot at a hard surface or at water. Bullet and shot can ricochet or bounce off and travel in unpredictable directions with great velocity.

13. Never transport a loaded gun. Do not place a loaded gun into a vehicle. The gun should be unloaded and placed into a case when not in use.

14. Never consume intoxicating beverages and/or drugs before or during shooting.

### WARNING

DO NOT ATTEMPT TO USE ANY FIREARM WITHOUT HAVING A COMPLETE UNDERSTANDING OF ITS PARTICULAR CHARACTERISTICS AND SAFE USE. READ AND UNDERSTAND THIS MANUAL CAREFULLY BEFORE USAGE OF YOUR FIREARM.

### WARNING

YOU SHOULD NEVER DEPEND ON A SAFETY MECHANISM OR ANY OTHER MECHANICAL DEVICE TO JUSTIFY CARELESS AND IMPROPER HANDLING.

### WARNING

THIS FIREARM WAS MANUFACTURED TO PERFORM PROPERLY WITH THE ORIGINAL PARTS AND MAGAZINES AS DESIGNED. PLEASE MAKE SURE ANY PARTS YOU BUY ARE INSTALLED CORRECTLY AND THAT NEITHER REPLACEMENTS NOR ORIGINALS ARE ALTERED OR CHANGED. PUTTING A FIREARM TOGETHER INCORRECTLY OR WITH MODIFIED PARTS CAN RESULT IN DAMAGED FIREARM, DANGER, AND INJURY OR DEATH. ANY MODIFICATIONS TO FIREARM WILL VOID FACTORY WARRANTY.

## 03 | SAFETY PRECAUTIONS

### WARNING

CHILDREN ARE ATTRACTED TO FIREARMS, AND MIGHT BE ABLE TO OPERATE THEM, THEY CAN CAUSE SEVERE INJURIES AND EVEN DEATH, TO THEMSELVES OR OTHERS. PREVENT CHILDREN FROM ACCESS, ALWAYS KEEP YOUR FIREARMS LOCKED AWAY, UNLOADED AND OUT OF REACH OF CHILDREN WHEN NOT IN USE AT ANY TIME.

### WARNING

THE FIREARM SHOULD BE STORED IN ROOMS WITH A DRY ATMOSPHERE AND MINIMUM HUMIDITY. IT SHOULD NOT BE STORED ENCASED IN LEATHER OR ANYTHING THAT WILL ATTRACT AND HOLD MOISTURE, CAUSING IT TO RUST.

### WARNING

DO ALL PROCEDURES (DISASSEMBLY, CLEANING AND OTHER MAINTENANCE) ONLY WHEN THE FIREARM IS UNLOADED. BE SURE THAT THE MAGAZINE TUBE, RECEIVER AND CHAMBER ARE EMPTY WHILE YOU ARE PROCEEDING. CHECK EJECTION PORT, LOADING PORT AND CHAMBER VISUALLY.

### WARNING

WHEN STORING THE GUN FOR A PROLONGED PERIOD OF TIME, IT IS NECESSARY TO OIL IT HEAVILY WITH AN ACID-FREE LUBRICANT. THE EXTERNAL PARTS MUST BE COATED WITH AN ANTI-RUST OIL OR GREASE TO PREVENT MOISTURE CAUSING THE PARTS TO RUST AND MALFUNCTION. BEFORE USAGE, THE FIREARM MUST BE CLEANED AND WIPED DRY AGAIN.

## 04 | TECH SPECS

Model	<b>TM22 STANDARD</b>
Caliber	.22LR
Action	Semi Automatic
Capacity	10 Rounds
Barrel	Contoured
Barrel Length	470mm / 18.5" & 500mm / 20"
Overall Length	925mm / 36.4" & 955mm / 37.5"
Overall Width	153mm / 6.2"
Length of Pull	350mm / 13.7"
Weight, Empty	1.7kg / 3.7lb. - 2kg / 4.4lb.
Weight, Loaded	1.8kg / 3.9lb. - 2.1kg / 4.6lb.
Stock	Fixed AG Stock

## CALIBER



.22LR

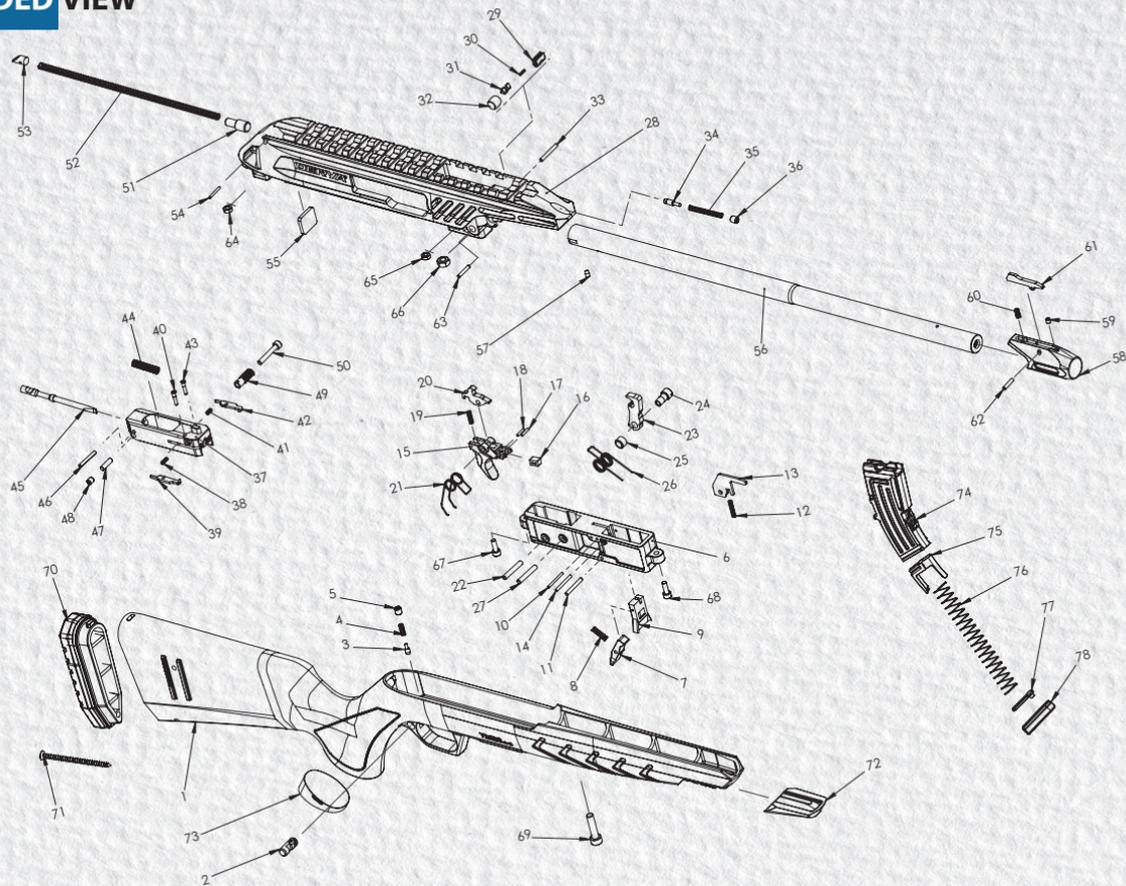


## 05 | BASIC PARTS

P.NO	PART NAME	P.NO	PART NAME	P.NO	PART NAME	P.NO	PART NAME
1	Polymer Stock	26	Hammer Spring	51	Recoil Spring Pin	76	Magazine Spring
2	Safety	27	Trigger Pin & Hammer Pin	52	Recoil Spring	77	Magazine Base Plate Lock
3	Safety Pin	28	Upper Receiver	53	Recoil Spring Docking	78	Magazine Base Plate
4	Safety Pin Spring	29	Rear Sight	54	Recoil Spring Pin & Rear Sight Pin		
5	M4X4 Screw	30	Rear Sight Spring	55	Rubber		
6	Trigger Group	31	Rear Sight	56	18" Barrel		
7	Magazine Release Lever	32	Right Left Rear Sight Setscrew	57	Barrel Centering Pin		
8	Magazine Release Lever Spring	33	Recoil Spring Docking Pin & Rear Sight Pin	58	Plastic Front Sight Receiver		
9	Magazine Adapter	34	Sight Pin	59	Front Sight Set Setscrew		
10	Magazine Adapter Pin	35	Sight Spring	60	Front Sight Spring		
11	Magazine Release Lever Pin	36	Rear Sight Spring Setscrew	61	Front Sight		
12	Ejector Spring	37	Bolt	62	Front Sight & Trigger Insert Pin		
13	Ejector	38	Right Extractor Spring	63	Barrel Pin		
14	Ejector Pin	39	Right Extractor	64	Trigger Group Assemble Nut M4		
15	Trigger	40	Extractor Pin	65	Trigger Group Assemble Nut M4		
16	Trigger Insert	41	Left Extractor Spring	66	Stock Assemble Nut M6		
17	Front Sight & Trigger Insert Pin	42	Left Extractor	67	Trigger Group Assemble Screw		
18	Front Sight & Trigger Insert Pin	43	Extractor Pin	68	Trigger Group Assemble Screw		
19	Disconnecter Spring	44	Firing Pin Spring	69	Lower Receiver Assemble Screw		
20	Disconnecter	45	Firing Pin	70	Recoil Pad		
21	Trigger Spring	46	Firing Pin Retaining Pin	71	Stock Screw		
22	Trigger Pin & Hammer Pin	47	Bolt Pin	72	Front Pkatin Cover		
23	Hammer	48	Bolt Screw	73	Grip Cover		
24	Hammer Pin Sleeve Female	49	Charging Handle	74	Magazine		
25	Hammer Pin Sleeve Male	50	Charging Handle Screw	75	Magazine Follower		

Note: Some models will vary from exploded view.

# 06 | EXPLODED VIEW



## 07 | OPERATING INSTRUCTIONS

### DISASSEMBLY OF THE FIREARM

1) Ensure the magazine is detached from the firearm.

2) Using a 5mm Allen key, remove the screw located under the handguard.



3) Gently separate the lower receiver from the upper receiver.

4) Using a 3mm Allen key, remove the front screw located under the upper receiver.



5) Using a 3mm Allen key, remove the rear screw located under the upper receiver.

6) Pull the barrel in arrow direction.



## 08 | OPERATING INSTRUCTIONS

### DISASSEMBLY OF THE FIREARM

7) Using a 3mm Allen key, unscrew the Charging handle screw.

8) Pull the Charging handle out from its slot.



9) Using a rubber mallet and a thin iron stick, gently tap out the rear pin from the upper receiver.

10) Slowly remove the cap from the upper receiver, allowing the spring to come out.



11) Remove the bolt from the upper receiver.

12) Proceed to clean and lubricate the parts as shown in the image.



### ASSEMBLY OF THE FIREARM

- 1) Place the bolt into the upper receiver.
- 2) Align the spring and its cap in sequence.



- 3) Using a rubber mallet, gently tap the rear pin back into place.
- 4) Insert the Charging handle into its slot.



- 5) Use a 3mm Allen key to tighten the Charging Handle screw.
- 6) Place the trigger group into position.



## 10 | OPERATING INSTRUCTIONS

### ASSEMBLY OF THE FIREARM

**7)** Use a 3mm Allen key to tighten the rear screw located under the upper receiver.

**8)** Use a 3mm Allen key to tighten the front screw under the upper receiver.



**9)** Attach the lower receiver to the upper receiver.

**10)** Using a 5mm Allen key, tighten the screw located under the handguard.



### HOW TO SWITCH YOUR CHARGING HANDLE TO THE SIDE

**1)** Use a 3mm Allen key to unscrew the Charging Handle screw.

**2)** Remove the Charging handle, then screw it into the corresponding slot on the opposite side.



# 11 | OPERATING INSTRUCTIONS

## SAFETY GUIDE

- 1) The "safety" in the on safe position.
- 2) The "safety" in the off safe position.



## PICATINNY RAIL

A Picatinny rail is located under the removable fore-end cap.



## ACCESSORIES

Accessories are available on the aftermarket. Visit [advancedtactical.com](http://advancedtactical.com) to explore more options.



## ORDERING PARTS

Visit RIA website to browse, learn more about and purchase parts and ammunition for all of your Rock Island Armory products.



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



ARMSCORPRECISION



ARMSCORPRECISION



ROCKISLANDARMORY



ARMSCORRIA

### WARRANTY REGISTRATION

Armcor's warranty covers its firearms and parts. We offer limited lifetime warranty on our products for their intended purpose. As with any product, abuse, gunsmithing by an unqualified person and normal wear and tear are excluded. Additionally, if the firearm was modified and/or repaired by an unqualified gunsmith without permission from Armcor, then the warranty will be void. If warranty work should be required, return the firearm to the address listed below. There is no refund for the shipping cost. Gunsmithing services are available by registered Armcor Gunsmithers. Please email the address below.

To register your firearm, please go to [www.rockislandarmory.com/support-center/warranty/](http://www.rockislandarmory.com/support-center/warranty/) and complete online warranty form. In comments section, write warranty registration and press submit. You can also go to [www.rockislandarmory.com](http://www.rockislandarmory.com) and press warranty section at the bottom.

**Armcor Precision International**  
**150 North Smart Way**  
**Pahrump, NV 89060**  
**Email: [support@armcor.com](mailto:support@armcor.com)**

For more information on warranty, visit [www.rockislandarmory.com](http://www.rockislandarmory.com), or email [support@armcor.com](mailto:support@armcor.com)

### IMPORTANT WARRANTY INFORMATION

Our Rock Island Armory firearms are warranted to function only with Factory Ammo and the Original Factory Magazine. Use of Handloads is not covered in Warranty of Repair for the function of the Firearm.

DUE TO THE FIT AND TIGHTNESS OF FIREARM, RIA RECOMMENDS A BREAK-IN PERIOD OF 500 ROUNDS.

#### **THIS IS HOW YOU VOID YOUR WARRANTY**

- \* Refinishing your RIA firearm
- \* Misuse, Mishandling, Dropping your RIA Firearm
- \* Firing Remanufactured or Reloaded Ammunition
- \* Not properly reassembling your RIA Firearm resulting in damage, ie reverse plugs!
- \* Any addition of after market parts
- \* Unauthorized repairs done by any other than Rock Island Armory

#### **LIMITS ON WARRANTY (will not cover)**

- \* Finish, Holster wear, Scratches, Chemical damage
- \* After Market Magazines
- \* Damage to Factory Magazines
- \* Sights not installed by Rock Island Armory
- \* Recoil Springs

WE RESERVE THE RIGHT TO CHARGE FOR LABOR, PARTS AND SHIPPING TO RETURN YOUR RIA FIREARM BACK TO FACTORY SPECIFICATIONS IF IT HAS BEEN ALTERED.



# RIA

IMPORTS

[WWW.ROCKISLANDARMORY.COM](http://WWW.ROCKISLANDARMORY.COM)

07/2024