



FRANKLIN ARMORY® F22™ SERIES SAFETY & OPERATIONS MANUAL

F22™ PISTOL



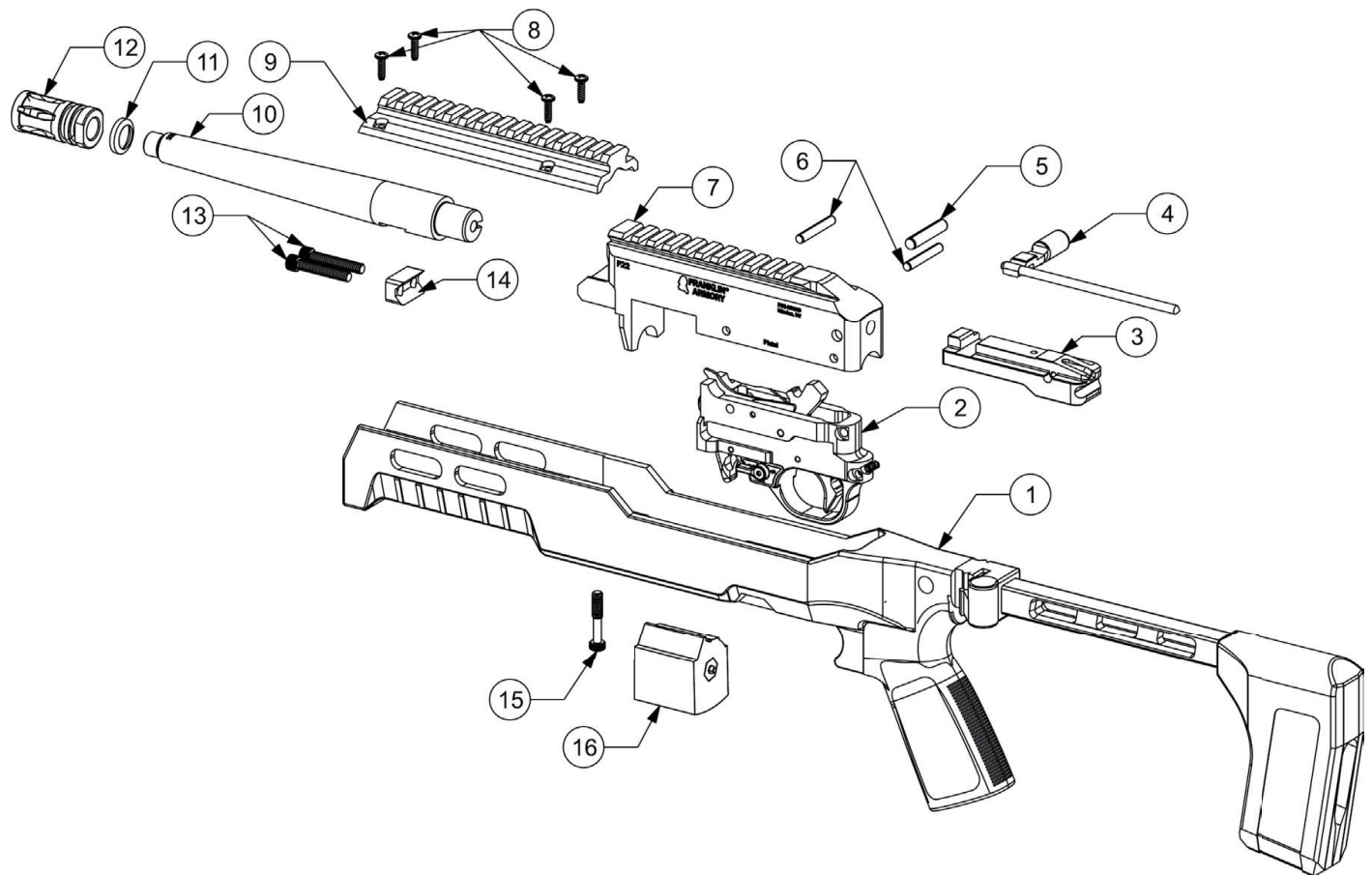
F22™ RIFLE



Please read this entire manual thoroughly before using your firearm. This manual should always accompany the firearm as a valuable resource for operating, cleaning, and maintaining your new Franklin Armory® F22™ Series .22LR firearm.

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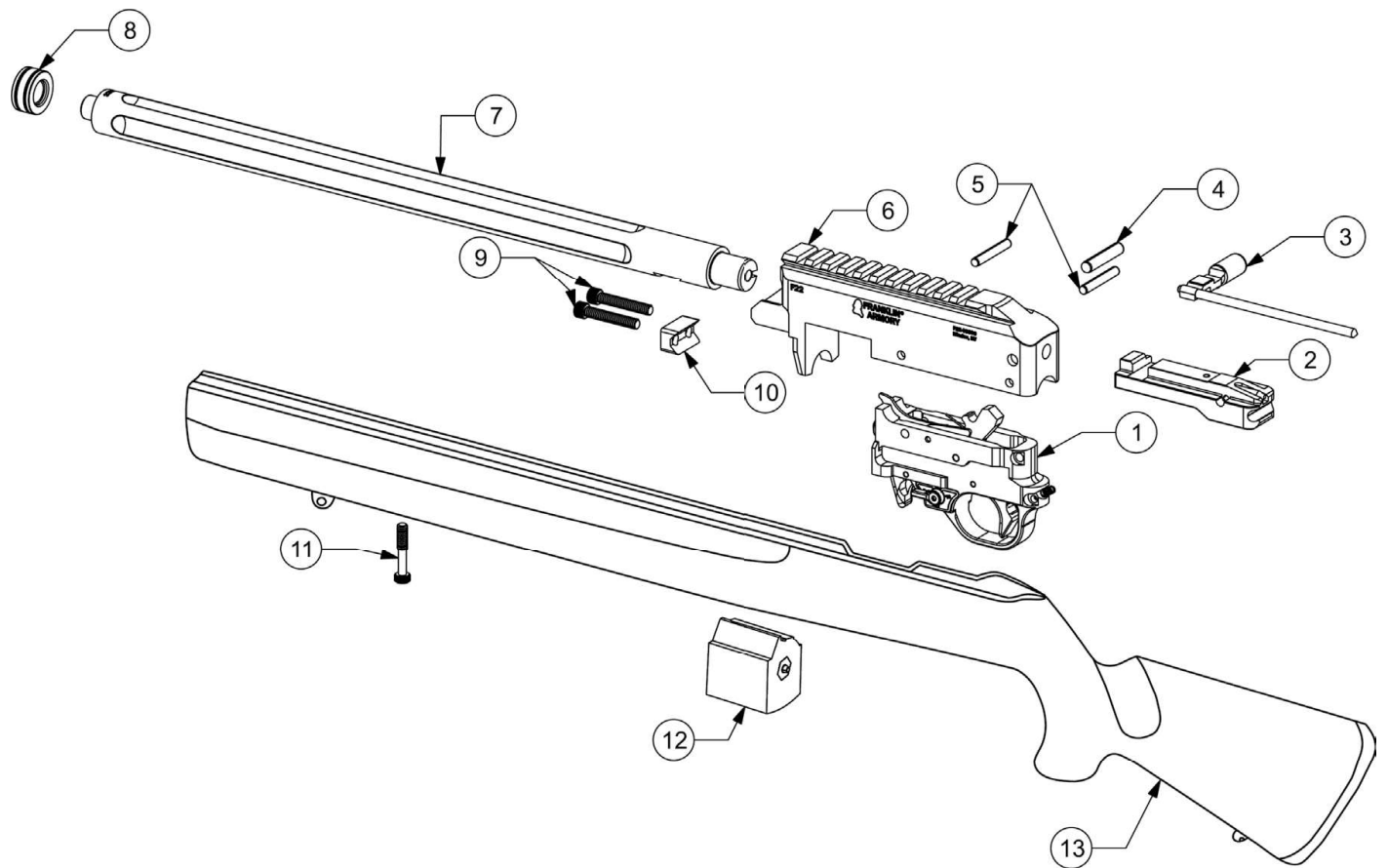
F22™ Pistol Parts



1. SB Tactical® Chassis & Brace
2. Binary® Trigger Assembly
3. Bolt Assembly
4. Charging Handle Assembly
5. Bolt Stop Pin
6. Receiver Cross Pins
7. F22 Pistol Receiver
8. Top Rail Screws
9. Chassis Top Rail
10. F22 .22lr 8in Barrel
11. Crush Washer
12. A2 Flash Hider
13. V Block Screws

14. V Block
15. Takedown Screw
16. Ruger® 10rd Magazine

F22™ Rifle Parts



1. Binary® Trigger Assembly
2. Bolt Assembly
3. Charging Handle Assembly
4. Bolt Stop Pin
5. Receiver Cross Pins
6. F22 Rifle Receiver
7. F22 .22lr 16.25in Barrel
8. F22 Thread Protector
9. V Block Screws
10. V Block
11. Takedown Screw
12. Ruger® 10rd Magazine
13. F22 Hogue® Rifle Stock

Manufacturer's Warning

Read this entire manual before operating the firearm. If this firearm is improperly handled, unintended discharge could result and cause damage, injury or death. If you do not understand any part of this manual, seek qualified help before loading and or using this firearm.

Safety Is Your Responsibility

The F22™ Series was purposefully designed as a rimfire rifle with the Binary Firing System®, therefore, is able to fire on pull and release. Take the time to familiarize yourself with this manual and the firearm before use.

Warnings Specified By State

Maine:

“ENDANGERING THE WELFARE OF A CHILD IS A CRIME. IF YOU LEAVE A FIREARM AND AMMUNITION WITHIN EASY ACCESS OF A CHILD, YOU MAY BE SUBJECT TO FINE, IMPRISONMENT OR BOTH. KEEP FIREARMS AND AMMUNITION SEPARATE. KEEP FIREARMS AND AMMUNITION LOCKED UP. USE TRIGGER LOCKS.”

North Carolina:

Any person who resides in the same premises as a minor, owns or possesses a firearm, and stores or leaves the firearm (i) in a condition that the firearm can be discharged and (ii) in a manner that the person knew or should have known that an unsupervised minor would be able to gain access to the firearm, is guilty of a Class 1 misdemeanor if a minor gains access to the firearm without the lawful permission of the minor's parents or a person having charge of the minor and the minor:

- (1) Possesses it in violation of G.S. 14-269.2(b)
- (2) Exhibits it in a public place in a careless, angry, or threatening manner;
- (3) Causes personal injury or death with it not in self defense; or
- (4) Uses it in the commission of a crime.

Wisconsin:

“IF YOU LEAVE A LOADED FIREARM WITHIN THE REACH OR EASY ACCESS OF A CHILD YOU MAY BE FINED OR IMPRISONED OR BOTH IF THE CHILD IMPROPERLY DISCHARGES, POSSESSES, OR EXHIBITS THE FIREARM.” Please check with your licensed retailer, state police, or local police for additional warnings, which may be required by local law or regulation. Such regulations change constantly, and local authorities are in the best position to advise you on such legal matters.”

Texas:

“IT IS UNLAWFUL TO STORE, TRANSPORT, OR ABANDON AN UNSECURED FIREARM IN A PLACE WHERE CHILDREN ARE LIKELY TO BE AND CAN OBTAIN ACCESS TO THE FIREARM.”

Manufacturer's Warning:

Prior to using the firearm, YOU MUST read the waiver and release starting on Page 17 and perform the dry fire function checklist starting on Page 19.

Manufacturer's Notice:

Altering or modifying the firearm may render the firearm unsafe and/or unlawful. Franklin Armory® makes no representations or warranties about the safety or legality of any product that is modified or altered by anyone other than Franklin Armory®. Franklin Armory® is not responsible for any alterations or modifications made to any firearm by third parties. All alterations or modifications made shall be made at the owner/user's own risk.

Rules of Gun Safety:

1. Keep your firearm pointed in a safe direction.
2. Keep your finger off of the trigger until you are on target and ready to shoot.
3. Always keep your firearm unloaded until it is ready to use.
4. Know your target and what is beyond.
5. Know how to use the gun safely.
6. Be sure the gun is safe to operate.
7. Wear eye and ear protection as appropriate.
8. Never use alcohol, over-the-counter drugs or prescription drugs before or while shooting.
9. Store guns so they are not accessible to unauthorized persons. Never leave a firearm unattended.
10. Always be sure your barrel is clear of any obstructions.
11. Always use clean, dry original factory made ammunition of the proper type and caliber for your firearm.

Ammunition:

The F22™ is designed to only fire the .22 Long Rifle (.22LR) cartridge. Please verify the type, caliber and quality of ammunition before shooting your F22™. The use of the incorrect caliber or type of ammunition could damage the firearm or potentially cause serious harm or injury. For every firearm we manufacture, Franklin Armory® requires that only SAAMI spec ammunition be used in the caliber your firearm is chambered. If you are uncertain what caliber your firearm uses, the barrel will be clearly marked with that information. If you are still uncertain, consult a qualified, licensed gunsmith or call Franklin Armory®.

Manufacturer's Notice:

Franklin Armory® will not be responsible for damage, injury, or death resulting from intentional or accidental discharge of this firearm due to improper handling, maintenance, alterations, or for any other reason.

Manufacturer's Warning:

This is a semiautomatic firearm! Every time the firearm is fired, a new round will automatically be loaded into the chamber until all ammunition is depleted. Removing the magazine may not completely unload the firearm. The user must also lock the bolt back and check that the chamber is clear. This firearm does not utilize a magazine disconnect. If a round is left in the chamber and the trigger is depressed, the ammunition will discharge even if the magazine is removed! Be aware that firearms equipped with a Binary Firing System® operate differently and users must follow the specific directions that accompany those products.

WARNING:

**ALWAYS VERIFY THE FIREARM IS UNLOADED BEFORE PERFORMING ANY MAINTENANCE TASKS!
ALWAYS WEAR EYE PROTECTION WHEN PERFORMING ANY MAINTENANCE TASKS.**

Field Stripping the F22™

Tools Required

1. T-10 Torx Wrench
2. 1/8 Punch
3. Mallet
4. 5/32" Hex
5. Safety Glasses

Step 1: Prepare the Firearm

Remove the magazine, open the bolt, and verify there are no rounds in the chamber.

Step 2: Remove selector Paddles

Using the T-10 Torx Wrench, remove the left and right selector paddles. See *Figure 1*



FIGURE 1

Step 3: Remove Barrel Screw

Using a 5/32" Hex, remove the takedown screw connecting the barrel to the stock or chassis. See Figure 2A

Note: The top plate on the F22 Pistol will need to be removed with a Phillips-Head screwdriver prior to removing the receiver. See Figure 2B



FIGURE 2A

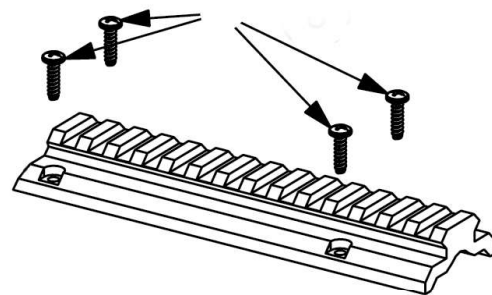


FIGURE 2B

Step 4: Remove the Receiver Cross Pins

After removing the stock or chassis, remove the cross pins connecting the trigger assembly to the receiver. See Figures 3A-3B



FIGURE 3A



FIGURE 3B

Step 5: Remove Bolt & Charging Handle Spring

Using the mallet, remove the buffer from the receiver. Pull the bolt handle back and lift up on the front of the bolt. The bolt should easily slide out. Once the bolt is removed, remove the charging handle spring. See *Figure 4A-4C*. This completes field stripping the F22.



FIGURE 4A



FIGURE 4B

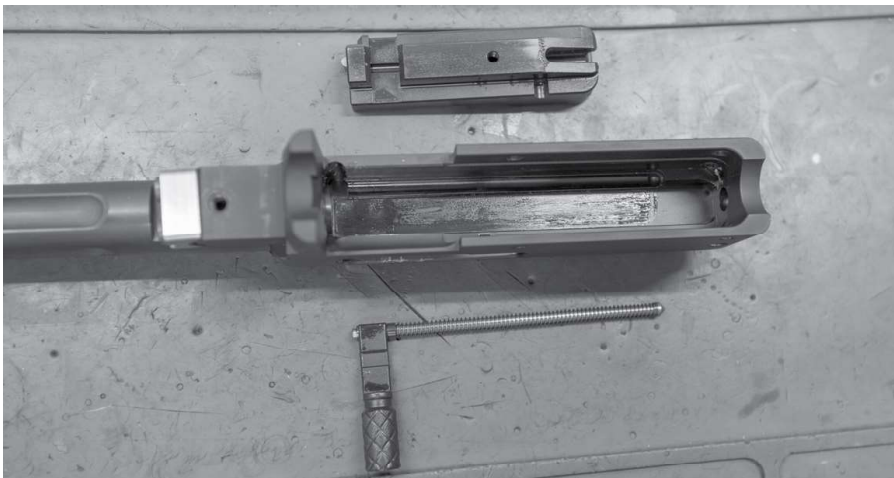


FIGURE 4C

F22™ Reassembly

Step 1: Reinsert Bolt & Charging Handle Spring

Insert the bolt spring into the receiver. Using your hand or a screwdriver, keep the bolt handle back, and insert the bolt into the receiver until you hear a click. Reinsert the buffer.

See Figure 5A-5D



FIGURE 5A



FIGURE 5B



FIGURE 5C



FIGURE 5D

Step 2: Attach the Trigger Assembly

Line up the pin holes on the trigger assembly and the receiver. Once lined up, reinsert the cross pins (this step may require the use of the mallet). *Warning: gently tap the pins through the receiver and trigger guard. DO NOT force the pins through.* See Figures 6A-6B



FIGURE 6A



FIGURE 6B

Step 3: Reattach the Stock / Chassis

Place the stock or chassis on the receiver. Re-tighten the take-down screw on the stock or chassis. See Figures 7A-7B. Note: On the F22 Pistol, you will need to reattach the top plate with a Phillips head screw driver.



FIGURE 7A



FIGURE 7B

Step 4: Reattach Selector Paddles

Using the T-10 Torx wrench, line up the shelf on the paddle with the ledge on the selector shaft and tighten the screw. See Figures 8A-8B



FIGURE 8A



FIGURE 8B

Note: Franklin Armory® recommends the use of a medium strength threadlocker to avoid the selector screws walking out of the selector shaft.

Cleaning and Lubricating Your F22™

ALWAYS VERIFY THE FIREARM IS UNLOADED BEFORE PERFORMING ANY MAINTENANCE TASKS!

WARNING:

Franklin Armory® recommends using the Slip 2000® family of products to service your firearm. If improper solvents are used, damage to the firearm finish could occur. Use of strong ammonia or alkaline type solvents is not recommended for this firearm. Never use foam cleaners.

Always clean firearms in a well-ventilated area. Exposure to lead and other dangerous substances are known to cause birth defects, reproductive harm, and other serious physical injury. It is recommended that you wash hands thoroughly and utilize de-leading products.

Franklin Armory® recommends that the firearm be field stripped, cleaned and lubricated at approximately 500 round intervals to maintain proper functioning. In addition, it is recommended the bolt receive a light lubrication every 100 rounds. The quality of ammunition used may affect the need to clean more or less frequently.



Cleaning the Bore:

1. Use an appropriate chamber brush and appropriate solvent to remove the fouling from the chamber of the F22™.
2. Apply Slip 2000® 725 Gun Cleaner or an appropriate solvent to a properly sized bore brush, push the brush from the breach side of the barrel to the muzzle.
3. Allow the solvent to work, wait approximately 2-5 minutes.
4. Using an appropriately sized patch, run the patch from the breach to the muzzle. Remove the patch before withdrawing the cleaning rod from the barrel. Repeat this step until the patches come out of the barrel clean.

Cleaning the Receiver:

1. Using a dry patch, cloth, and/or Q-Tip, thoroughly wipe the carbon from the bolt and inside of the receiver. Pay special attention to the bolt face, extractor and breech face. It is critical that the breech face be kept clean for proper extraction.
2. Once the carbon has been removed with a dry cloth, if there is any buildup of carbon deposits, use an appropriate solvent and brush to remove the buildup.

Note: After extended use, it is recommended that a professional gunsmith or Franklin Armory Certified Armorer perform a deep cleaning of the F22™.

Loading The Magazine:

Please use clean, SAAMI spec .22LR ammunition.

When inserting the cartridge into the magazine, it is important that each round is loaded with the rim in front of the previously loaded round.

Chambering A Round:

ALWAYS LOAD THE FIREARM FROM THE MAGAZINE! Never drop a round in through the ejection port into the chamber and allow the bolt to drop. This can result in a catastrophic failure and harm to you or others around you.

Removing the magazine does not unload the firearm! Any round in the chamber must be removed before the firearm can be rendered safe.

- Do not load the F22™ until you are ready to use it.
- Make certain the safety selector is in the “safe” position.
- If the hammer is down, it will be necessary to cycle the bolt in order to switch the selector to “safe.”

With the muzzle pointed in a safe direction and after inserting the magazine, pull the charging handle to its maximum distance and “let go” of the charging handle. This compresses the recoil spring enough to provide sufficient energy to strip the round from the magazine and chamber it. Do not ride the bolt carrier down.

IF a Round Fails to Chamber:

Remove the magazine and cycle the bolt so that the round is ejected. Always be certain the chamber is clear before reinserting the magazine and attempting to chamber another round.

The most common reasons a round will not chamber is either a failure to load the magazine properly, not retracting the charging handle to its maximum and freely releasing the bolt, or the firearm is too dirty to operate.

Firing The F22™

Warning: Before attempting to fire your Franklin Armory® F22™, YOU MUST read the Waiver and Release starting on Page 17 and perform the Binary® Function Checklist starting on page 19.

The F22™ Series comes equipped with a 3-position selectable Binary Firing System®. In “Safe” Mode (denoted by the bullet with a slash through it), the trigger should not move, and the hammer should not fall forward. In “Semi” Mode (denoted by a singular bullet), the F22™ will fire a bullet upon each pull of the trigger.

In “Binary®” mode (denoted by the two bullets), the F22™ will fire upon both pull and release functions of the trigger. In order to experience smooth operation in Binary® mode, Franklin Armory® recommends the operator use a “pull through, release through” technique.

If the operator, after pulling the trigger while in Binary® Mode, should decide to not fire the release round, the F22™ has the ability to cancel that round. With the trigger held back, move the Safety Selector to either the “Semi” or “Safe” position, then release the trigger. The hammer should reset on the sear and not fall to the firing pin.

Never force the safety selector to the “Safe” position. The selector will not go into “safe” unless the hammer is cocked. Forcing the selector to “safe” when the hammer is down may damage your firearm. Rotate the safety selector to “safe” each time you are pausing in your string of fire. Visually inspect the chamber to ensure the firearm is clear.

Clearing a Misfire:

If the F22™ fails to fire, don't immediately eject the round. Wait 60 seconds in case there was a "hang fire." After 60 seconds, remove the magazine, cycle the bolt while turning the ejection port towards the ground and maintaining the muzzle in a safe direction. It is important that the round clears the chamber before reinserting the magazine and charging another round into the chamber.

Squibs:

A squib round is when the cartridge does not have enough propellant to expel the bullet out of the muzzle of the firearm. If you notice that the round did not impact downrange or if the sound of the report is different than normal, you may have a squib round.

If you suspect that you have a squib round, it is very important to NOT fire the firearm again. It is recommended that you unload and clear the firearm and perform a simple field strip. Once you have removed the bolt from the firearm, you may check the barrel and clear it of any obstructions. If you are unsure on how to remove an obstruction from your barrel, consult a professional gunsmith for assistance.

Transportation & Storage:

When transporting or storing your firearm, be sure the firearm is unloaded and cleared. For extended storage it is recommended to keep your firearm separate from your ammunition and in places inaccessible to children and unauthorized persons. It is your responsibility to familiarize yourself with the laws of any state you may reside in or will be traveling through with your firearm.

Locking Devices:

Every Franklin Armory® firearm is packaged with a cable lock certified by the California Department of Justice. Please follow the directions that accompany the lock for proper use.

Manufacturer's Notice:

Franklin Armory® will not be responsible for damage, injury, or death resulting from intentional or accidental discharge of this firearm due to improper handling, maintenance, alterations, or for any other reason.

This firearm was inspected and quality checked multiple times prior to leaving the factory. However, we cannot guarantee that it has not been damaged or tampered with since it has left our facility. Therefore, it is important that the purchaser of this firearm inspect the firearm carefully prior to using it. If anything appears deficient, do not fire the weapon and contact your licensed retailer immediately.

This product from Franklin Armory® is defined by the BATFE as a firearm – by definition it is potentially lethal.

Any unusual force applied to the firearm through a use that is inconsistent with the intended design parameters of this firearm may be considered abuse and can possibly cause premature wear, damage, or failure.

FRANKLIN ARMORY® PATENTED BINARY FIRING SYSTEM® WAIVER AND RELEASE

1. STATEMENT OF OPEN AND OBVIOUS DANGER REGARDING THE BINARY FIRING SYSTEM®

Firearms, by their very nature, can be lethal. The Franklin Armory® Binary Firing System® (BFS™) may inadvertently cause INJURY or even DEATH if improperly installed or misused. The BFS™ is a unique multi-mode Trigger system that requires proper installation and user training for safe operation. Improper use, misuse, or untrained use of the BFS™ may lead to the unintentional discharge of the firearm which may cause the following: **PROPERTY DAMAGE, PERSONAL INJURY TO SELF OR OTHERS, OR DEATH!** It is imperative that the BFS™ only be installed, adjusted, and/or repaired by a certified Franklin Armory® armorer. Failure to use a Franklin Armory® armorer to install your Trigger may expose you to serious liability including PROPERTY DAMAGE, PERSONAL INJURY TO YOURSELF OR OTHERS, AND/OR DEATH!

Improper installation, use, or tampering with the BFS™ will void the warranty and MAY LEAD TO UNINTENTIONAL DISCHARGE OF THE FIREARM THAT MAY LEAD TO INJURY OR EVEN DEATH. NEVER ALTER ANY COMPONENT OF THE BFS™ AND NEVER OPERATE THE BFS™ IF ANY OF THE COMPONENTS ARE MISSING, DAMAGED, OR WORN. AFTER THE BFS™ HAS BEEN PROPERLY INSTALLED, IT IS IMPERATIVE THAT ALL USERS SEEK QUALIFIED TRAINING ON HOW TO USE THESE PRODUCTS.

WARNING: THE FRANKLIN ARMORY® BFS™ HAS THE ABILITY TO FIRE UPON THE PULL AND THE RELEASE OF THE TRIGGER. PLEASE READ THE INSTRUCTIONS THOROUGHLY BEFORE OPERATING THE BFS™ IN YOUR FIREARM.

WARNING: FRANKLIN ARMORY® RECOMMENDS THAT ALL USERS SEEK QUALIFIED TRAINING PRIOR TO OPERATING A BFS™ TRIGGER OR BFS™ EQUIPPED FIREARM. IMPROPER UNDERSTANDING OF HOW THE TRIGGER OPERATES MAY LEAD TO UNINTENTIONAL DISCHARGE OF THE FIREARM AND MAY LEAD TO INJURY OR EVEN DEATH.

WARNING: NEVER USE THE BFS™ WITH ANY ACCESSORY THAT MIGHT CREATE A SAFETY HAZARD. SOME SLINGS, STOCKS, OR OTHER ACCESSORIES MAY NOT BE SAFE FOR USE WITH THIS PRODUCT.

WARNING: NEVER RELY ON MECHANICAL FEATURES. IT IS YOUR RESPONSIBILITY TO ENSURE SAFE HANDLING OF ANY FIREARM INCLUDING ANY EQUIPPED WITH THIS BFS™ TRIGGER.

WARNING: IT IS THE BUYER'S RESPONSIBILITY TO ENSURE THAT THEY ARE IN COMPLIANCE WITH ALL APPLICABLE LAWS AT ALL TIMES WHILE USING THIS PRODUCT. SOME STATES WILL NOT ALLOW CIVILIANS TO OWN AND USE THE BFS™.

2. COMPREHENSION OF RISK

The BFS™ Trigger has the ability to fire on the pull and the release of the Trigger. By purchasing and/or using the Franklin Armory® BFS™, YOU COMPREHEND THE INHERENT RISK, including without limitation, of LIABILITY, INJURY, LOSS, DAMAGE or DEATH as a result of improper installation, use, misuse, tampering, and/or abuse of the BFS™.

3. ASSUMPTION OF RISK

By purchasing and/or using the Franklin Armory® BFS™, YOU ASSUME ALL INHERENT RISK AND PERSONAL RESPONSIBILITY, including without limitation, of LIABILITY, INJURY, LOSS, DAMAGE or DEATH as a result of improper installation, use, misuse, and/or abuse of the BFS™.

4. WAIVER OF RIGHTS

By purchasing and/or using the Franklin Armory® BFS™, you waive and release any claim for damages, indemnity, or reimbursement against Franklin Armory® for any claims, fines, or damages imposed upon you for use of the BFS™. In addition, you agree to release Franklin Armory® (including its independent contractors, affiliated entities, parent companies, subsidiaries, present and former employees, owners, officers, members, managers, partners, contractors, insurers, shareholders, and directors) from any and all claims, actions, damages, liabilities, losses, costs, and expenses (including, without limitation, attorney fees) for death, injury, loss, or damage of property in any way arising out of the purchase and use of the Franklin Armory® BFS™. By purchasing and/or using the Franklin Armory® BFS™, you agree to limit liability to actual damages arising from gross negligence or willful misconduct of Franklin Armory®. In no event shall Franklin Armory® be liable for any special, incidental, punitive, or consequential damages or other indirect damages.

FRANKLIN ARMORY® PATENTED BINARY FIRING SYSTEM® WAIVER AND RELEASE CONTINUED

5. INDEMNIFICATION

By purchasing or using the Franklin Armory® BFS™, you agree to accept responsibility for your use of the product and any consequence or fine imposed upon you by any government entity or third party and to indemnify and hold harmless Franklin Armory® for any claims made resulting from your use of the BFS™.

6. TRANSFER OF PRODUCT

If you should sell, lease, let someone borrow or use, or in any way transfer the BFS™ to any other individual, you agree, as a condition of acquiring this product, to accept the responsibility of ensuring that the transferee is fully aware and agrees to the conditions set forth herein. Failure to disclose these conditions to a third party without first providing acknowledgment and acceptance by the transferee of the conditions set herein will be grounds for liability on the part of the transferor.

7. BINDING EFFECT

By purchasing the Franklin Armory® BFS™, you agree that this waiver shall be binding upon you as well as your next of kin, personal representatives, heirs, beneficiaries, and assigns and shall inure to the benefit of Franklin Armory® and successors and assigns of Franklin Armory®.

8. SEVERABILITY

If any provision of this Waiver and Release is for any reason declared to be invalid or unenforceable, the validity and enforceability of the remaining provisions will not be affected. The invalid or unenforceable provision will be deemed modified to the extent necessary to render it valid and enforceable, and if no modification may render it valid and enforceable, this Waiver and Release will be construed as if not containing such provision and the rights and obligations of the parties will be construed and enforced accordingly.

9. GOVERNING LAW

This Waiver and Release shall be governed in all respects by the laws of the state of Nevada without regard to conflict and law principles. Any action or claim shall be brought in Douglas County, Nevada.

10. DISPUTE RESOLUTION: ARBITRATION

To the extent permitted by applicable law, any controversy or claim arising out of or relating to the product, its design, functionality, or materials, and this contract, or breach thereof, will be settled by binding arbitration in accordance with the Commercial Arbitration Rules of the American Arbitration Association. Under this arbitration provision, you give up the right to resolve any controversy or claim arising out of or relating to the product, including its design, functionality, materials, or this contract by a judge and/or a jury. You also agree not to participate as a class representative or class member in any class action litigation, any class arbitration or any consolidation of individual arbitrations. The parties specifically agree to the binding nature of the arbitration.

11. VOLUNTARY ACTION

While we sincerely value every Franklin Armory® customer, there is no necessity for anyone to own a Franklin Armory® BFS™. There are many other high-quality firearms and Triggers that the consumer may purchase instead of our products. Please take your time in deciding whether to purchase the BFS™ products. We intend to maintain supply, so please do not rush this important decision. Please contact the Franklin Armory® factory if you have any questions. However, if for any reason the conditions set forth in this agreement are unacceptable to you, THEN DO NOT PURCHASE THIS PRODUCT.

If you have already purchased a Franklin Armory® BFS™, and you do not agree to the terms set herein, then we encourage you to IMMEDIATELY RETURN THE PRODUCT TO YOUR RETAILER in an unused, new condition. Refund terms will be set by each independent retailer.

THIS IS A WAIVER AND RELEASE OF LIABILITY. YOU AGREE TO THIS ENTIRE DOCUMENT. YOU AGREE TO ALL OF THE PROVISIONS HEREIN AND UNDERSTAND THAT YOU HAVE GIVEN UP SUBSTANTIAL RIGHTS BY AGREEING TO ALL OF THE PROVISIONS. BY PURCHASING, AND CONTINUING TO RETAIN THESE PRODUCTS, YOU ARE INDICATING YOUR VOLUNTARY AGREEMENT TO THE PROVISIONS OF THIS WAIVER AND RELEASE OF LIABILITY.

Binary® Function Checklist:

1. Function Check the Safety

- A. Ensure that the hammer is cocked on the sear.
- B. Move the safety selector to “Safe” Mode.
- C. Pull the Trigger.
- D. The Trigger should not move.
- E. Release the trigger and move the Safety Selector back to “Semi” Mode.
- F. The Hammer should not fall forward.

2. Function Check the Transition from “Semi” to “Safe”

- A. Ensure the Hammer is cocked on the sear.
- B. Move the Safety Selector to “Semi” Mode.
- C. Pull the Trigger and keep it held back.
- D. The Hammer should fall forward and impact the Firing Pin.
- E. With the Trigger still held back, re-cock the Hammer on the Disconnecter.
- F. While turning the selector back to “Safe” Mode, the Hammer should not move.
- G. Release the Trigger.
- H. The Hammer should fall to the sear.

3. Function Check Semi Mode

- A. Ensure that the hammer is cocked on the sear.
- B. Pull the Trigger and keep it held back.
- C. The Hammer should fall forward and impact the Firing Pin.
- D. With the Trigger still held back, re-cock the Hammer.
- E. It should now be held back by the Disconnecter.
- F. Release the Trigger.
- G. The Hammer should now fall to the sear and not to the Firing Pin.

4. Function Check the Transition from Semi to Binary®, Scenario 1

- A. Move the Selector to “Semi” Mode.
- B. Ensure the Hammer is cocked.
- C. Pull the Trigger and keep it held back.
- D. The Hammer should fall forward and impact the Firing Pin.
- E. With the Trigger held back, re-cock the Hammer on the Disconnecter.
- F. Hold the Trigger back while turning the Safety Selector to Binary® mode.
- G. The Selector should not be able to turn to Binary® mode.
- H. The Hammer should not fall while manipulating the selector.
- I. Release the trigger.
- J. The Hammer should fall off of the Semiautomatic Disconnecter and be caught by the sear.

5. Function Check the Transition from Semi to Binary®, Scenario 2

- A. Move the Selector to “Semi” Mode.
- B. Ensure the Hammer is cocked.
- C. Pull the trigger and keep it back.
- D. The Hammer should fall forward and impact the Firing Pin.
- E. With the Trigger still held back, re-cock the Hammer on the Disconnecter.
- F. Hold the Trigger back while turning the Safety Selector to Binary® Mode.
- G. The Selector should not be able to fully turn to Binary® mode.
- H. Continue to maintain pressure on the Selector.
- I. Release the Trigger while continuing to maintain pressure on the Selector.
- J. The Hammer should not move.
- K. Now release pressure on the Selector.
- L. The Hammer should fall off of the Disconnecter and be caught by the sear.

6. Function Check Binary® Mode, Scenario 1

- A. Ensure that the Hammer is cocked on the sear.
- B. Move the Safety Selector to Binary Mode.
- C. Pull the Trigger and keep it held back.
- D. The Hammer should fall forward and impact the Firing Pin.
- E. Re-cock the Hammer on the Disconnecter.
- F. Slowly release the Trigger until the Hammer falls on the firing pin.
- G. Keep your finger held at the point that the Hammer fell forward.
- H. Re-cock the Hammer on the Disconnecter.
- I. Release the trigger and the hammer should reset to the sear.

7. Function Check Binary® Mode, Scenario 2

- A. Ensure that the Hammer is cocked on the sear.
- B. Ensure that the Safety Selector is in “Binary®” Mode.
- C. Pull the trigger and keep it held back.
- D. The Hammer should fall forward and impact the Firing Pin.
- E. Re-cock the Hammer on the Disconnecter.
- F. Slowly release the trigger until the Hammer falls on the Firing Pin.
- G. Keep the trigger held at the point that the Hammer fell forward.
- H. Re-cock the Hammer on the Disconnecter.
- I. Pull the Trigger and the Hammer should not fall.
- J. Release the Trigger slowly until the Hammer falls on the Firing Pin
- K. While keeping your finger at the breaking point, re-cock the Hammer.
- L. Release the Trigger again, and it should reset at the sear.

8. Function Check Intermodal travel from Binary® to Semi Mode

- A. Ensure that the Hammer is cocked on the sear.
- B. Ensure that the Safety Selector is in “Binary®” Mode.
- C. Pull the Trigger and keep it held back.
- D. The Hammer should fall forward and impact the Firing Pin.
- E. Re-cock the Hammer on the Disconnecter.
- F. Continue to hold the Trigger back.
- G. Rotate the Safety Selector from “Binary®” Mode to “Semi” Mode.
- H. Release the trigger.
- I. The Hammer should fall off the Disconnecter and rest on the sear.

This concludes the function test of the Binary Firing System®

Binary Firing System® Warnings:

Warning: DO NOT LIVE FIRE TEST YOUR FIREARM UNTIL YOU HAVE COMPLETED AND PASSED THE BFS™ DRY FIRE CHECK LIST

Warning: READ AND COMPREHEND THIS DOCUMENT ENTIRELY BEFORE USING THE BFS™

Warning: THE FRANKLIN ARMORY® BFS™ HAS THE ABILITY TO FIRE UPON THE PULL AND THE RELEASE OF THE TRIGGER. READ AND UNDERSTAND THE OPERATION OF THIS FIREARM BEFORE USING IT!

Warning: THIS PRODUCT IS SOLELY DESIGNED FOR USE BY PROFESSIONAL LAW ENFORCEMENT AND HIGHLY TRAINED PERSONNEL.

Warning: FRANKLIN ARMORY® RECOMMENDS THAT ALL USERS ATTEND A TRAINING CLASS PRIOR TO OPERATING A BFS™ EQUIPPED FIREARM. IMPROPER UNDERSTANDING OF HOW THE TRIGGERS OPERATE MAY LEAD TO UNINTENTIONAL DISCHARGE OF THE FIREARM AND MAY LEAD TO INJURY OR EVEN DEATH.

Warranty Notice:

Except as provided herein, Franklin Armory® does not expressly warrant this firearm. Franklin Armory® will provide service for defects in material and workmanship at no charge to the purchaser for a period of one year from the date of the initial sale of this firearm. It is important to retain your sales receipt in order to demonstrate the proof of purchase date. FOR WARRANTY REPAIR PLEASE CONTACT CUSTOMER SERVICE AT: 775-783-4313

Exclusions From Warranty:

1. If this firearm has been disassembled further than what is necessary for basic “Field Strip” maintenance, and if damage has occurred as a result of improper disassembly, reassembly, or use, then the purchaser shall forfeit any claim. Further, the firearm owner must accept full responsibility for the correct reassembly and functioning of all parts, including replaced parts.
2. This firearm is intended to be used with expertly loaded ammunition adhering to specifications set by the Sporting Arms and Ammunition Manufacturers’ Institute. (SAAMI). Franklin Armory® can, at its sole discretion, void any obligation to service the firearm or any claim if any non-SAAMI specified ammunition is employed.
3. The following activities are not allowed:
 - A. Never apply excessive heat to the firearm or any component parts to the point that it may affect the hardening surface treatments.
 - B. Never apply and leave corrosive or abrasive agents on any surfaces.
 - C. Never use corrosive ammunition.
 - D. Never disable the safety.
 - E. Never fire the firearm without the firearm properly assembled.
 - F. Never use foam cleaning agents.
4. Any damages associated with the possession and/or use of any Franklin Armory® product are limited to, and may not exceed, an amount equivalent to the Manufacturer’s Suggested Retail Price (MSRP) of the firearm. Any consumer that intends to purchase a Franklin Armory® product hereby agrees to this limitation as a precondition of the sale.
5. In no way shall Franklin Armory® be responsible for incidental or consequential damages related to economic loss, injury, death, or property damage, even if such damages are as a result of a breach of this warranty, negligence, or otherwise.

Notes:

[illegible]

Maintenance Log

[illegible]

F22 SERIES



FRANKLIN[®]
ARMORY



**“THOSE WHO GIVE UP ESSENTIAL LIBERTY TO
PURCHASE A LITTLE TEMPORARY SAFETY
DESERVE NEITHER LIBERTY NOR SAFETY.”**

-BENJAMIN FRANKLIN



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