

BFS III™ Dry Fire Function Check List

WARNING: Always insure that your firearm is completely unloaded before performing a dry fire test. Remove the ammunition magazine, and insure that there is not a loaded round in the chamber. Best yet, perform this task with the upper receiver and magazine removed.

WARNING: Even though you believe your firearm is unloaded, it is always important to point your muzzle in a safe direction while performing the following tasks.

1. Function Check the Disconnecter Motion.

- With the Selector on Binary and the Hammer forward, push on the tail of the Disconnecter.
- The IDS protrusion should slip under the front tip of the Disconnecter.

2. Function Check the IDS Motion.

- With the Selector in Binary and the Hammer forward, push on the back of the IDS.
- The IDS protrusion should slip out from under the front tip of the Disconnecter.

3. Function check the Safety.

- Ensure that the Hammer is cocked on the sear.
- Move the Safety Selector to “Safe” Mode.
- Pull the Trigger.
- The Trigger should not move.
- Move the Safety Selector back to “Semi” Mode.
- The Hammer should not fall forward.

4. Function check the transition from “Semi” to “Safe.”

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

5. Function check Semi Mode.

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

6. Function check the transition from “Semi” to “Binary,” Scenario I

- Move the Selector to “Semi” Mode.
- Ensure that the Hammer is cocked.
- Pull the trigger and keep it held back.
- The Hammer should fall forward and impact the Firing Pin.
- With the Trigger still held back, re-cock the Hammer on the Disconnecter.
- Hold the Trigger back while turning the Safety Selector to Binary Mode.
- The Selector should not be able to turn to Binary Mode.
- The Hammer should not have fallen while manipulating the selector.
- Now release the Trigger.
- The Hammer should fall off of the Semiautomatic Disconnecter and be caught by the sear.

7. Function check the transition from “Semi” to “Binary,” Scenario II

- Move the Selector to “Semi” Mode.
- Ensure that the Hammer is cocked.
- Pull the trigger and keep it held back.
- The Hammer should fall forward and impact the Firing Pin.
- With the Trigger still held back, re-cock the Hammer on the Disconnecter.
- Hold the Trigger back while turning the Safety Selector to Binary Mode.
- The Selector should not be able to fully turn to Binary Mode.
- Continue to maintain pressure on the Selector.
- Release the Trigger while continuing to maintain pressure on the Selector.
- The Hammer should not move.
- Now release pressure on the Selector.
- The Hammer should fall off of the Disconnecter and be caught by the Sear.

8. Function check Binary Mode, Scenario I

- Ensure that the Hammer is cocked on the sear.
- Move the Safety Selector to “Binary” Mode.
- Pull the Trigger and keep it held back.
- The Hammer should fall forward and impact the Firing Pin.
- Re-cock the Hammer on the Disconnecter.
- Slowly release the Trigger until the Hammer falls to the Firing Pin.
- Keep your finger held at the point that the Hammer fell forward
- Re-cock the Hammer on the Disconnecter.*
- Release the trigger and the hammer should reset to the Sear.

9. Function check Binary Mode, Scenario II

- Ensure that the Hammer is cocked on the sear.
- Move the Safety Selector to “Binary” Mode.
- Pull the Trigger and keep it held back.
- The Hammer should fall forward and impact the Firing Pin.
- Re-cock the Hammer on the Disconnecter.
- Slowly release the Trigger until the Hammer falls to the Firing Pin.
- Keep the Trigger held at the point that the Hammer fell forward
- Re-cock the Hammer on the Disconnecter.
- Pull the Trigger in and the Hammer should not fall.
- Release the Trigger slowly until the Hammer falls to the Firing Pin.
- While keeping your finger at the breaking point, re-cock the Hammer.*
- Release the Trigger again, and it should reset at the Sear.

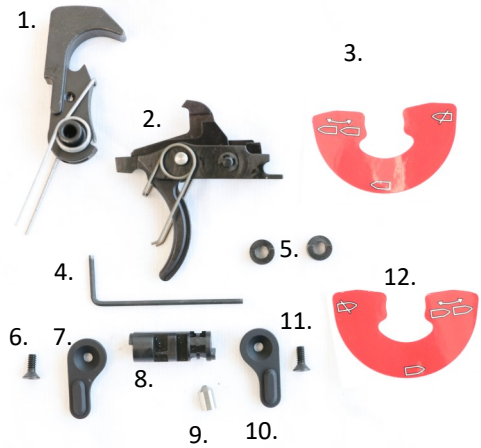
10. Function check Intermodal travel from Binary Mode to Semi Mode.

- Ensure that the Hammer is cocked on the sear.
- Ensure that the Safety Selector is in “Binary” Mode.
- Pull the Trigger and keep it held back.
- The Hammer should fall forward and impact the Firing Pin.
- Re-cock the Hammer on the Disconnecter. *
- Continue to hold the Trigger back
- Rotate the Safety Selector from “Binary” Mode to “Semi” Mode.
- Release the Trigger.
- The Hammer should fall off the Disconnecter and rest on the Sear.

Franklin Armory® Binary Firing System III™ Installation Manual

Patent #9,952,012 , 9,952,013, 10,107,580, 10,393,461, 10,480,881, and 10,480,882.

Manufacturers Warning: The Binary Firing System III™ for B&T should only be installed by a Franklin Armory® Certified Armorer. Franklin Armory® will not be responsible for an improper installation.



- Hammer & Hammer Spring
- Trigger Sub-Assembly:
Trigger body, Disconnecter,
Disconnecter Spring, IDS, IDS Spring,
Guide Rod, E-Clips, Slave Pin,
and Trigger Spring
- Left Indicator Sticker
- 1/16” allen key for 4-40 screw
- (2) spacers
- 4-40 x 5/16” screw
- Right Safety Selector Paddle
- Safety Selector Shaft
- Safety Selector Detent
- Left Safety Selector Paddle
- 4-40 x 5/16” screw
- Right Indicator Sticker

Tools Required:



Step 1: Locate all of the components and tools necessary for the installation. Read the entire instructions before attempting the installation of the BFS III™.

Step 2: Make sure the firearm is unloaded per the manufacturer’s directions

Step 3: Remove the existing lower receiver of the B&T from the firearm per the manufacturer’s directions.

Step 4: Remove the existing fire control components including the hammer, trigger, and safety selector per the manufacturer’s suggested protocol.

Step 5: Ensure that the left and right sides of the customer supplied lower receiver does not have oil residue that would prevent the application of the Safety Selector Indicator Sticker. (If necessary, use alcohol or a similar oil removing substance to clean the receiver.) Remove the Safety Selector Indicator Sticker from the backing and squarely apply it to the left and right sides of the customer supplied lower receiver. (See figure 1.)

Note: Franklin Armory® requires all Certified Armorers to install this red sticker on every BFS III™. If the sticker is not applied, an unsuspecting user of the firearm could accidentally discharge the weapon causing injury or even death.



Figure 1



Figure 2



Figure 3a



Figure 3b



Figure 4a



Figure 4b

Step 6: Take the two spacers and slide one over each end of the Slave Pin. Slide the Trigger Sub-Assembly into the lower receiver. (See figure 2.) Check that the Trigger Sub-Assembly fits into the fire control pocket. Position one original B&T Trigger Pin through the left side of the receiver so that it barely holds the left side spacer in position, and run the other original B&T Trigger Pin in from the right side. (See figures 3a & 3b.) It is best to have the smooth end of the Trigger Pin enter from the right side of the receiver and be lightly tapped until the other Trigger Pin and Slave Pin have drifted out.

Step 7: Check for proper function and movement of the IDS and Disconnecter by performing Function Check 1 and 2 (found on the following page.)

Step 8: Position the Hammer & Hammer Spring in the fire control pocket so that the hammer pin hole lines up with the transvers hole in the hammer. Secure the hammer in place with the original B&T Hammer Pin. (See figures 4a & 4b).



Figure 5

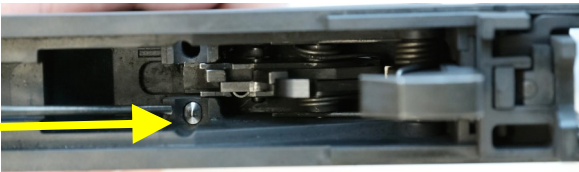


Figure 6



Figure 7



Figure 8

Step 9: Locate one of the original B&T Safety Detent Springs. (See Figure 5.) Position the original Safety Detent Spring in the BFSIII™ Safety Detent and place both the original B&T Safety Detent Spring and the BFSIII™ Safety Detent in the blind hole on the right side of the receiver with the detent facing up. (See figure 6.) Note: There is no need for, nor provision for, a left side Safety Detent in the BFSIII™ trigger group. The left side hole will simply remain empty.

Step 10: Make sure that the hammer is cocked and fully pressed against the disconnecter before installing the Safety Selector in from the left side. (See Figure 7) As the selector is pushed through from the left to the right, it will be necessary to apply a small amount of downward force to push the Safety Detent down so that you can fully seat the Safety Selector shaft through the lower receiver.

Step 11: After the Safety Selector has been installed, check for proper function by moving the Safety selector Paddle from Safe, to Semi, to Binary.

Step 12: Attach the Right Side Safety Selector Paddle with the 4-40 x 5/16” screw and 1/16” allen key. (See Figure 8)

Step 13: Assemble the completed lower receiver to the firearm per the original manufacturer’s instructions and perform the “BFSIII™ Dryfire Check List.”

*It is important that the IDS be pushed forward by the Hammer every time this operation is tested. It is possible to re-cock the hammer and not push the IDS forward which will not provide an accurate test. In addition, it is possible the appearance of a malfunction by hand cycling the function test without an upper receiver attached. This would happen if the Safety Selector was in Binary Mode, the Trigger was pressed so that the Hammer went forward. If the Hammer was only lightly re-cocked, the selector would not be able to go back into Semiautomatic Mode until the IDS was pushed forward. Consequently, pressing down on the Hammer (just like when a carrier performs a full cycle) will force the tail of the Hammer to push the backside of the IDS forward. This will then allow free movement of the Safety Selector.

Franklin Armory®

Binary Firing System III™ for B&T APC9, APC45, and GHM9

Installation and Operation Manual



For a downloadable copy of this manual as well as links to installation videos, please go to our website: www.franklinarmory.com

If you have a suggestion on how to improve this installation procedure or if you have any questions, please contact us at the following:

Address:	Franklin Armory®	Email:	info@franklinarmory.com
	2246 Park Place, Suite B	Phone:	775-783-4313
	Minden, NV 89423		

Thank you for purchasing your new Binary Firing System III™ for B&T

We want to do everything we can to help you be safe with your new trigger. Franklin Armory® has partnered with LMS Defense to provide high-quality training specifically addressing operational skills with the BFSIII™. Both LMS Defense and Franklin Armory® believe in *safety first*. As such, LMS Defense is offering incentivized BFSIII™ training to all buyers of the BFSIII™. Take as much as \$100 off on a two-day class! To sweeten the deal, Franklin Armory® will further incentivize BFSIII™ buyers to take the training by offering a 25% discount code to all BFSIII™ owners that pass an LMS Defense class covering BFSIII™ curricula.

To register, go to www.lmsdefense.com/schedule and use “Franklin BFS” as the discount code to get \$50 off a one day class or \$100 off a two day class.



Offer void where prohibited by law. Offer subject to change.

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FRANKLIN ARMORY® PATENTED BINARY FIRING SYSTEM III™ 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 III™ (BFSIII™) may inadvertently cause **INJURY** or even **DEATH** if improperly installed or misused. The BFSIII™ 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 BFSIII™ 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 BFSIII™ 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 YOUR SELF OR OTHERS, AND/OR DEATH!** Improper installation, use, or tampering with the BFSIII™ 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 BFSIII™, AND NEVER OPERATE THE BFSIII™ IF ANY OF THE COMPONENTS ARE MISSING, DAMAGED, OR WORN.** **AFTER THE BFSIII™ HAS BEEN PROPERLY INSTALLED, IT IS IMPERATIVE THAT ALL USERS SEEK QUALIFIED TRAINING ON HOW TO USE THESE PRODUCTS.** Please see the coupon on the back side of this waiver for an offer for high quality subsidized training with LMS Defense.

WARNING!

THE FRANKLIN ARMORY® BFSIII™ HAS THE ABILITY TO FIRE UPON THE PULL AND THE RELEASE OF THE TRIGGER. Please refer to the BFSIII™ manual for further operational instructions.

WARNING!

FRANKLIN ARMORY® RECOMMENDS THAT ALL USERS ATTEND A TRAINING CLASS OFFERED BY LMS DEFENSE PRIOR TO OPERATING A BFSIII™ 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 BFSIII™ WITH ANY ACCESSORY THAT MIGHT CREATE A SAFETY HAZZARD. SOME SLINGS, BUMP FIRE 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 THIS BFSIII™ EQUIPPED FIREARM.

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 USE THE BFSIII™.

2. COMPREHENSION OF RISK:

The BFSIII™ trigger has the ability to fire on the pull and the release of the trigger. By purchasing and/or using the Franklin Armory® BFSIII™, **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 BFSIII™.

3. ASSUMPTION OF RISK:

By purchasing and/or using the Franklin Armory® BFSIII™, **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 BFSIII™.

4. WAIVER OF RIGHTS:

By purchasing and/or using the Franklin Armory® BFSIII™, 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 BFSIII™. 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® BFSIII™. By purchasing and/or using the Franklin Armory® BFSIII™, 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.

5. INDEMNIFICATION:

By purchasing or using the Franklin Armory® BFSIII™, 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 BFSIII™.

6. TRANSFER OF PRODUCT:

If you should sell, lease, let someone borrow or use, or in any way transfer the BFSIII™ 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® BFSIII™, 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® BFSIII™. 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 BFSIII™ 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® BFSIII™, 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.