1. Function check the Disconnector Motion.
   A. With the Selector on Semi and the Hammer forward, push on the tail of the Disconnector.
   B. The IDS protrusion should slip under the front tip of the Disconnector.

2. Function check the IDS Motion.
   A. With the Selector on Binary and the Hammer forward, push on the back of the IDS.
   B. The IDS protrusion should slip out from under the front tip of the Disconnector.

3. 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. Move the Safety Selector back to "Semi" Mode.
   F. The Hammer should not fall forward.

4. Function check the transition from "Semi" to "Safe."
   A. Ensure that 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 Disconnector.
   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 Disconnector and be caught by the Sear.

5. Function check Semi Mode.
   A. Ensure that the Hammer is cocked on the sear.
   B. The IDS protrusion should slip under the front tip of the Disconnector.
   C. The Hammer should fall forward and impact the Firing Pin.
   D. The Trigger should not move.
   E. Move the Safety Selector back to "Semi" Mode.
   F. The IDS protrusion should slip out from under the front tip of the Disconnector.
   G. Keep your finger held at the point that the Hammer fell forward.
   H. Re-cock the Hammer on the Disconnector.*
   I. Release the trigger and the hammer should reset to the Sear.

6. 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 Disconnector.
   F. Release the Trigger.
   G. The Hammer should now fall to the sear and not to the Firing Pins.

7. Function check the transition from "Semi" to "Binary," Scenario II
   A. Move the Selector to "Semi" Mode.
   B. Ensure that 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 still held back, re-cock the Hammer on the Disconnector.
   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. Move the Safety Selector back to "Semi" Mode.
   L. Release the Trigger.
   M. The IDS protrusion should slip under the front tip of the Disconnector.
   N. The IDS protrusion should slip out from under the front tip of the Disconnector.
   O. It should now be held back by the Disconnector.
   P. Release the Trigger.
   Q. The hammer should be caught by the Sear.

8. Function check Binary Mode, Scenario I
   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 Disconnector.
   F. Slowly release the Trigger until the Hammer falls to the Firing Pin.
   G. Keep your finger held at the point that the Hammer fell forward.
   H. Re-cock the Hammer on the Disconnector.*
   I. Release the trigger and the hammer should reset to the Sear.

9. Function check Binary Mode, Scenario II
   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 Disconnector.
   F. Slowly release the Trigger until the Hammer falls to the Firing Pin.
   G. Keep the Trigger held at the point that the Hammer fell forward.
   H. Re-cock the Hammer on the Disconnector.*
   I. Release the trigger and the hammer should reset to the Sear.

10. Function check intermodal travel from Binary Mode to Semi Mode.
    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. With the Trigger still held back, re-cock the Hammer on the Disconnector.
    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. Re-cock the Hammer on the Disconnector.*
    I. Continue to hold the Trigger back.
    J. Rotate the Safety Selector from "Binary" Mode to "Semi" Mode.
    K. Move the Safety Selector back to "Binary" Mode.
    L. Release the Trigger.
    M. The IDS protrusion should slip under the front tip of the Disconnector.
    N. The IDS protrusion should slip out from under the front tip of the Disconnector.
    O. It should now be held back by the Disconnector.
    P. Release the Trigger.
    Q. The hammer should be caught by the Sear.

*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 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 Semi Automatic 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.

**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.
Step 1: The Trigger sub-assembly is prebuilt at the factory. If the Safety Selector should be easily manipulated between all three modes. (Note: The Safety Selector is not designed to go in to Safe Mode with the Hammer forward.)

Step 2: Slide the customer supplied buffer in to the included Medium or Heavy Buffer Spring. Slide both the buffer and the Medium or Heavy Buffer Spring into the receiver extension. (See figure 8.)

Note: The BFSIII™ Buffer Springs are stiffer than a typical carbine buffer spring and are designed to help reduce the possibility of hammer follow as a function of carrier speed. The Medium Buffer Spring is marked with rubberized black paint on one end while the Heavy Buffer Spring is unmarked. Use the spring that works best for your particular application. It is possible that your existing spring might work better than either of the BFSIII™ Buffer Springs.

Step 3: Perform the “BFSIII™ Dry Fire Checklist” found on the last page of this manual. If the BFSIII™ malfunctions during the Dry Fire Checklist, then it is important to fix the problem before moving forward to live fire testing.

WARNING: DO NOT LIVE FIRE TEST YOUR FIREARM UNTIL YOU HAVE COMPLETED AND PASSED THE BFSIII™ DRY FIRE CHECKLIST!

What to Expect When Live Fire Testing the BFSIII™:

WARNING: Keep your finger off the trigger until you are ready to shoot.

WARNING: Never point your firearm at anything that you do not intend to destroy.

WARNING: Be sure of your target and what is behind it.

Test the Safe Mode:

With the Safety Selector in Safe Mode, the Trigger should not move, and the Hammer should not fall forward.

Test Semiautomatic Mode:

With the Safety Selector in Semi Mode, the firearm should fire one round every time the Trigger is pulled. When the Trigger is released, the Hammer should reset to the Sear.

Test Binary Mode:

With the Safety Selector in Binary Mode, the firearm should fire once every time the Trigger is pulled and once again when the Trigger is released. By releasing the Trigger slightly more, an audible reset should be perceived. It may be possible to fire on the pull phase in Binary Mode, and then again on the release phase in Binary Mode, but if the release phase reset is not performed, an operator can potentially pull the trigger again and then firearm will not fire. However, when the Trigger is released a second time, the firearm will fire. It is recommended that the operator use a “pull-through, release through” technique when operating in Binary Mode.

Note: Depending on your specific firearm gas system, you may want to use a stiffer buffer spring to help prevent the possibility of hammer follow as a function of carrier speed. If hammer follow should occur, it will be likely that it will only occur under sustained “full speed” conditions. Additional modifications to your firearm gas port and carrier weight will further mitigate the potential of hammer follow with the BFSIII™. It is beyond the scope of this document to provide all of the possible options to perfect the cycling of your firearm. If you are unsure of how to make any potential modifications to your firearm, it is recommended that you contact a Franklin Armory® Certified Armorer.

Remember, that the final installation is YOUR responsibility. If it is installed improperly, an accidental discharge may occur. If you have any doubts about the function of your BFSIII™, please contact Franklin Armory® or a Franklin Armory® Certified Armorer.

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

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