

BULLARK



WILSON  **COMBAT**

OPERATION &
SAFETY MANUAL

Operation & Safety Manual for Wilson Combat BULWARK Handgun

Technical Questions
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Manual Roadmap

Use this roadmap as a reading guide. Safety information is intentionally placed before operating and maintenance instructions.

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Welcome To Wilson Combat - Our Commitment To You

Since 1977, Wilson Combat has strived to provide valued customers with superior handguns, parts, and accessories. The company's policy of complete customer satisfaction is the cornerstone of doing business with Wilson Combat.

If for any reason you are unhappy with a Wilson Combat product, Wilson Combat service, or how your issue has been addressed, contact the Customer Service Director at info@wilsoncombat.com.

For returns, exchanges, handgun service, repair work, frequently asked questions, parts, accessories, services, upgrades, or dealer information, visit <https://www.wilsoncombat.com> or call 800-955-4856.

W A R N I N G:

BEFORE USING THIS FIREARM, READ, UNDERSTAND AND FOLLOW THESE INSTRUCTIONS. THIS FIREARM SHOULD BE CONSIDERED LOADED AND READY TO FIRE UNTIL YOU REMOVE THE MAGAZINE AND VERIFY THAT THE CHAMBER IS UNLOADED.

If there is anything you do not understand, get assistance from a qualified gunsmith in the safe handling and maintenance of firearms.

This instruction manual should always accompany this firearm and be transferred with it upon change of ownership, or when the firearm is loaned or presented to another person.

Nothing can ever take the place of proper instruction and training. Wilson Combat recommends beginning with an NRA training course near you. For more information, visit <https://www.nrainstructors.org/>.

Wilson Combat Disclaimer and Limitation of Liability

Understanding the basic function of and dangers presented by the use of your handgun, and closely following the instructions and warnings set forth in this manual, will help you obtain a high level of safety, performance, and satisfaction. Failure to follow the instructions and warnings in this manual can result in serious injury or death to yourself or others, as well as severe damage to the handgun or other property.

Wilson Combat shall not be responsible for damage to the handgun, physical injury to yourself or others, or property damage caused by negligent or criminal discharge; improper or careless handling; unauthorized alterations or modifications; use of low-quality or improperly reloaded ammunition; failure to properly maintain and service the handgun, including permitting rust or corrosion accumulation; or abuse, neglect, or other conditions beyond Wilson Combat's control.

The above legal limitations apply regardless of whether liability against Wilson Combat is asserted on the basis of warranty law, contract, negligence, or strict liability, including failure to warn. Under no circumstance shall Wilson Combat be liable for incidental or consequential damages, such as loss of use of property, commercial loss, and loss of earnings or profits.

Wilson Combat does not offer any written or express warranties on its products. Wilson Combat reserves the right to assert any additional defenses available under applicable law.

By owning, maintaining, storing, handling, and shooting this handgun, you are accepting a serious responsibility. Anyone using your handgun must do so safely. If you or any handler has any doubts about the ability to safely and responsibly own, maintain, store, handle, or shoot the handgun, supervised professional instruction should be immediately sought.

Handgun Safety Rules

There are no excuses for careless handgun handling. The following rules are common sense and must be followed at all times. Do not use your Wilson Combat handgun until you fully understand and practice these rules.

1. Always keep your handgun's muzzle pointed in a safe direction.

A safe direction is one in which an accidental discharge will not cause injury to yourself or others. Never allow your handgun to be pointed at anything you do not intend to shoot. Treat every handgun as if it were loaded, regardless of whether it is loaded or unloaded and whether the mechanical safety is engaged.

2. Your handgun should be unloaded and properly stored when not in use.

Load your handgun only after you are in the field or on the target range and ready and intending to fire. Store the handgun unloaded, secured, and inaccessible to unauthorized persons. Ammunition should be stored and locked in a separate location.

3. Keep your finger off the trigger until you are ready and intending to shoot.

Keep your finger outside the trigger guard when loading, unloading, or handling the handgun. Even if the safety is engaged, do not touch or pull the trigger until you are ready and intending to shoot.

4. Use only quality ammunition of the correct caliber in your handgun.

This handgun is compatible only with 9mm Luger (9x19, 9mm Parabellum) ammunition. Never attempt to shoot ammunition of any other caliber or use damaged, abused, altered, corroded, or improperly reloaded ammunition.

5. Be sure that your handgun and ammunition are in good working condition.

Before loading, open the action and verify there is no ammunition in the chamber or magazine. Check the barrel for obstructions without looking down the muzzle. If the noise, report, or recoil seems abnormal or reduced, stop and unload the handgun.

6. Always wear eye and ear protection when shooting.

Eye protection is also recommended when disassembling, cleaning, or reassembling the handgun. Hearing protection is important because exposure to shooting noise can permanently damage hearing.

7. Be sure of your target and what is beyond it.

Before pulling the trigger, know your target, what is beyond it, and whether your shot has a solid backstop. Bullets travel with great velocity over significant distances and may ricochet.

8. Never use alcohol or drugs before or during shooting.

You must shoot sober and unimpaired in order to effectively follow the rules of handgun safety.

9. Do not alter or modify your handgun and have it regularly serviced.

Never alter the trigger mechanism, mechanical safety, or any other component. Proper cleaning, lubrication, inspection, and service are necessary for optimal performance, safety, and reliability.

10. Learn the mechanics and handling characteristics of the handgun before use.

Before you ever load the handgun, read this entire manual and familiarize yourself with the component parts, controls, and safe procedures for loading, unloading, shooting, storing, cleaning, and maintaining it.

NOTICE: When using a key-operated locking device, never install the locking device inside the trigger guard or in any way that makes it possible for the locking device to pull the trigger. Do not leave the keys in the lock.

Warning

As a handgun owner, it is your job to know the local, state and federal laws regarding handguns ownership. The warnings listed in this manual are not inclusive of all states and are subject to change without notice. Please check with your local authorities for current laws and regulations in your locality. Visit the NRA website www.nra.org or the BATFE website www.atf.gov for more information.

Product Overview

The Wilson Combat BULWARK is an internal-hammer-fired 9mm service pistol with a machined aluminum grip module, stainless-steel fire control unit, and optics-ready slide using Wilson Combat Pin Technology.



Figure 1. Wilson Combat BULWARK 9mm pistol.

Specifications

Item	Specification
Caliber	9mm
Magazine capacity	15 rounds + 1 where permitted
Barrel	4 in. hardened stainless steel, match grade, flush-cut reverse crown
Overall length	7.5 in.
Sight radius	6.205 in.
Height	5.375 in.
Width	1.35 in.
Weight, empty	33.3 oz.
Weight, loaded	41.6 oz.

Configuration

Item	Specification
Frame / grip module	High-capacity compact machined aluminum anodized grip module
Fire control unit	Stainless steel, black nitride finish
Slide	4 in. stainless steel slide, black nitride finish
Sights	Battlesight with red fiber-optic front sight
Accessory rail	Integral Picatinny rail
Holster compatibility	Fits most Glock 19-style holsters
Included magazines	Two proprietary 15-round BULWARK magazines

Key Features

- Four independent safety systems: grip safety, sear block, trigger bar block, and firing pin block.
- 1911-style trigger with trigger pad safety and a 3.75 to 4.25 lb. trigger pull.
- Loaded-chamber viewing window at the rear of the barrel hood.
- Cocked-hammer viewing window at the rear of the frame.
- Reversible magazine release for left- or right-handed use.
- Aggressive BRICK pattern texture on the frontstrap, backstrap, and black G10 grip panels.
- Wide front and rear slide cocking serrations, wide slide-top serrations, and rear slide serrations.
- Direct-mount optics system using Wilson Combat Pin Technology.



Figure 2. BULWARK internal hammer-fired system.

Major Controls



Figure 3. Major external parts and controls.

Function Test

Perform this safety and function test any time after disassembly or reassembly, and before or after carrying or firing the firearm.

⚠ WARNING: If the firearm fails any step of this function test, immediately contact Wilson Combat for further instructions. Do not use the firearm unless it passes all steps of this function test.

1. Clear the firearm. Remove the magazine, lock the slide open, and visually and physically check the chamber.
2. Ensure the trigger safety is free to move and clear of debris.
3. Ensure the grip safety has its full range of motion.
4. Verify the slide locks to the rear.
5. Rack the slide and confirm the hammer is cocked; red should be visible through the rear viewing window.
6. Confirm the cover plate screws are torqued and seated.
7. Confirm pins are in place.



Figure 4. Function-test visual checks.

Before Firing

- Verify the barrel is free from obstructions. Firing with an obstruction in the barrel could result in serious injury or death.
- Confirm that your ammunition and the caliber of your handgun are compatible.
- In case of a hang fire, keep the handgun pointed in a safe direction for at least 30 seconds before attempting to clear it.
- Never pull the trigger if the slide has not fully closed. This can induce an out-of-battery firing and cause serious injury.

⚠ WARNING: Do not fire any handgun if a bullet is lodged in the barrel. Doing so creates extreme pressure and could result in serious injury or death.

Clearing Malfunctions

All semi-automatic handguns may experience a malfunction from time to time. Most malfunctions are caused by improper maintenance, out-of-spec ammunition, improperly maintained magazines, or insufficient grip.

To clear a malfunction, keep the handgun pointed in a safe direction and keep your finger outside the trigger guard. Lock the slide fully to the rear, remove the magazine, and clear the malfunction using your fingers or a small wooden tool. Do not introduce metal tools into the action because they can damage components or detonate the primer of a cartridge.

If you are unable to clear the malfunction, contact Wilson Combat or a qualified gunsmith for further instructions.

Loading, Firing, and Unloading

⚠ WARNING: During every loading, firing, and unloading sequence, keep the muzzle pointed in a safe direction and keep your finger off the trigger until you are ready to fire.

Loading the Magazine

1. Hold the magazine in your non-dominant hand with the feed lips up and the opening at the top of the magazine pointing outward.
2. Insert a cartridge through the opening at the top of the magazine while pressing down on the spring-loaded follower.
3. Press the cartridge down and to the rear until it is positioned completely in the magazine, with the base of the cartridge resting against the rear of the magazine. Repeat until the magazine is full.

Inserting the Magazine

1. Hold the handgun in your shooting hand with it pointed in a safe direction.
2. Insert the magazine into the magazine well with the tip of the ammunition pointed forward until the magazine locks into place.

Loading the Chamber

1. Pull the slide fully back and visually inspect the chamber for obstructions.
2. Load the chamber by releasing the slide and allowing it to snap forward on its own. Do not slowly lower the slide or interfere with its forward movement.
3. The handgun is now ready to fire and should always be pointed in a safe direction.

Firing

Once you are sure of your target and what is behind it, you may fire the handgun when ready.

Keep your finger off the trigger until you are ready to fire. Align the sights on the target, then pull the trigger straight to the rear without disturbing sight alignment. Repeat as necessary.

When you are done shooting, unload the handgun.

Unloading

1. Remove the magazine.
2. Retract the slide to unload the chamber.

3. Visually and physically confirm there is no cartridge in the chamber and no magazine in the handgun.
4. Point the handgun in a safe direction and dry fire the handgun to lower the hammer to its forward position.

Field Strip, Cleaning, and Maintenance

⚠ WARNING: Before field stripping, cleaning, lubricating, or maintaining the handgun, remove the magazine, lock the slide open, and visually and physically verify that the chamber is unloaded. Ensure there is no loaded ammunition in the work area.

VIDEO: Field strip and maintenance reference: [Field-strip and maintenance video](https://youtu.be/L4O3kiaZ3Uo?si=gCaJkRVd4VbzCzft) (<https://youtu.be/L4O3kiaZ3Uo?si=gCaJkRVd4VbzCzft>)

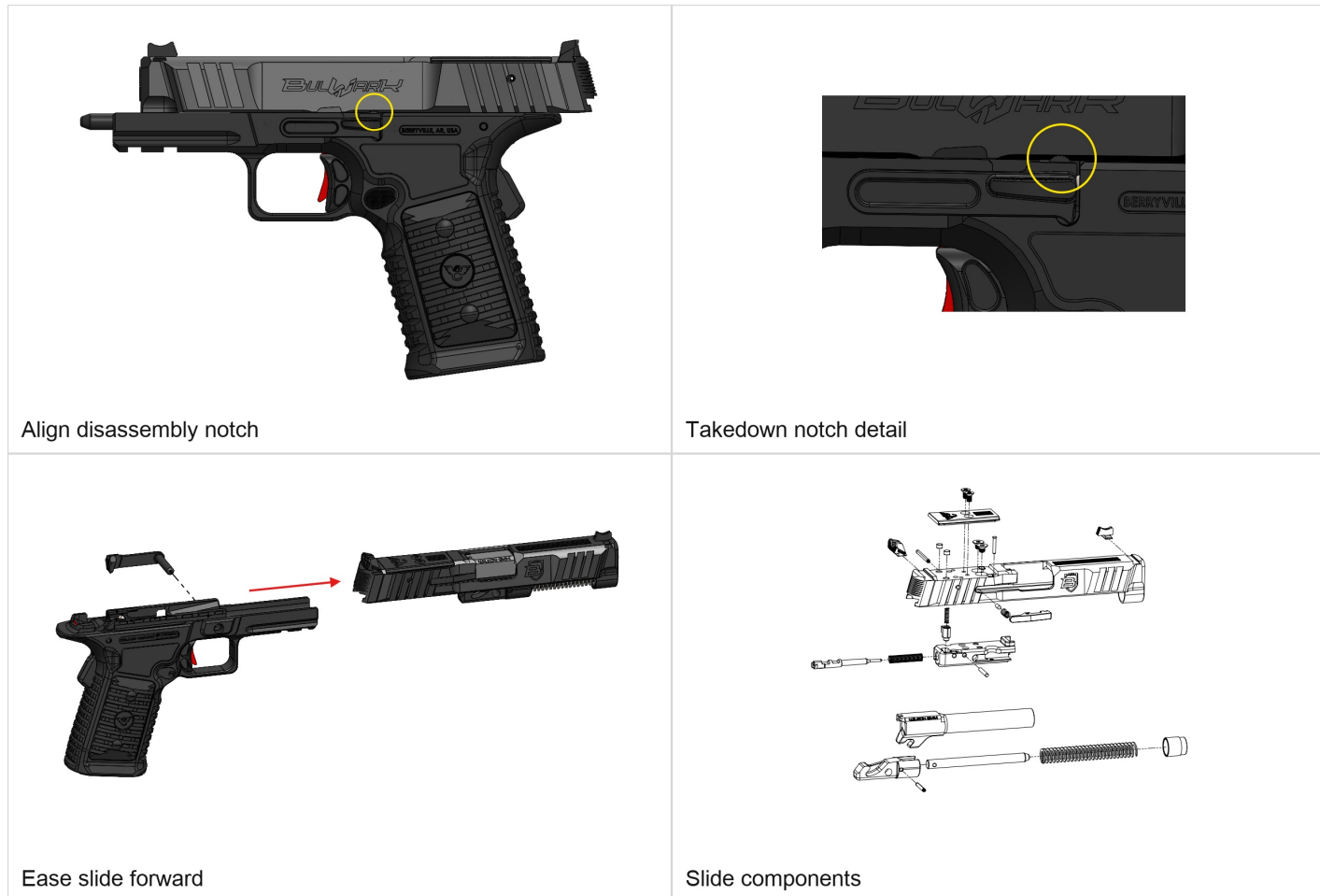


Figure 5. Routine field-strip reference.

Field Strip for Routine Cleaning

1. Confirm the magazine is removed, then visually and physically check the chamber to verify the firearm is unloaded.

2. Cock the hammer by cycling the slide.
3. While holding the slide to the rear, line up the disassembly notch on the slide with the slide stop, then push the right side of the slide stop to remove it from the module.
4. Support the slide and ease it forward off the module rails under spring tension, then remove the slide and barrel assembly.
5. From the slide, remove the barrel, locking block, recoil spring, and reverse plug.
6. Clean all components with appropriate firearm solvent and a clean cloth or brush.
7. Apply a light film of quality gun oil to normal wear surfaces, including slide rails, module rails, barrel exterior and locking surfaces. Remove excess lubricant.
8. Reassemble in reverse order.

Routine Maintenance Checks

- Inspect the barrel and chamber for obstructions, excessive fouling, or damage.
- Inspect magazines for dents, damage, contamination, or follower/spring issues.
- Confirm the slide stop, pins, cover plate screws, and optic screws are secure.
- Confirm the trigger safety, grip safety, and cocked-hammer indicator operate as expected.
- After cleaning or reassembly, perform the function test before use.

Extractor Removal for Deep Cleaning

NOTE: Extractor removal is for deep cleaning or heavily fouled conditions. It is not required for normal field stripping.

1. Remove the cover plate using a T10 Torx driver.
2. Remove the two optic pins.
3. Push the extractor pin out through the hole in the bottom of the slide.
4. Remove the extractor, extractor spring, and black rubber buffer.
5. Reassemble in reverse order.

⚠ CAUTION: Do not lose the small rubber buffer; it sits inside the extractor spring.

Optic Pin System

The Wilson Combat Optic Pin System allows direct mounting of compatible red dot optics by selecting the correct pin set for the optic footprint.

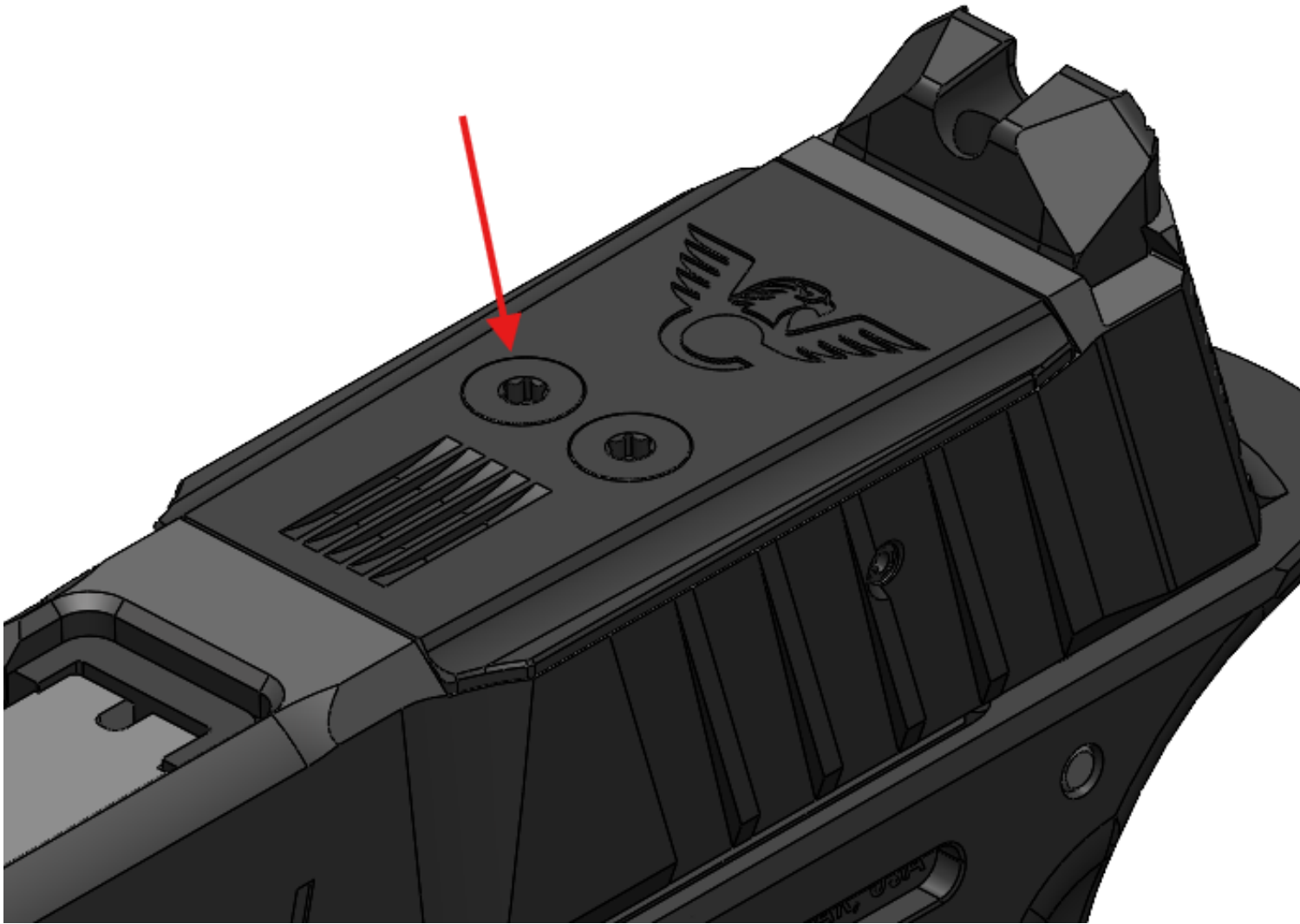


Figure 6. Cover plate and optic pin locations.

Pin set	Optic footprint
Red	RMR footprint
Green	RMSc footprint
Blue	DeltaPoint Pro footprint

Mounting Procedure

1. Remove the cover plate with the supplied tool.
2. Select the correct optic pin set for the footprint of the chosen optic.
3. Insert the proper pin set into the recesses on the underside of the red dot sight.
4. With the slide upside down, install the optic onto the corresponding pin locations.
5. While holding the optic in place, rotate the slide and optic for access to the screw holes.
6. Tighten the optic manufacturer-supplied screws to no more than 15 in-lb, using semi-permanent blue threadlocker sparingly on the threads.

NOTE: Follow the optic manufacturer's screw-length and torque guidance when it is more restrictive than the values in this manual.

Advanced Service Reference

⚠ WARNING: Full slide, frame, and fire control unit disassembly is not recommended for routine cleaning. These procedures are intended for qualified personnel. If you are unsure, stop and contact Wilson Combat or a qualified gunsmith.

Slide Disassembly

1. Back out the two breech block screws on top of the slide. These screws are installed with red threadlocker and may require gentle heat to loosen.
2. Drive out the breech block pin using a punch.
3. Flip the slide facing up; the breech block will fall free.
4. Remove the firing pin block spring, then the firing pin block.
5. Push out the firing pin retention pin from the breech block.
6. Slide the firing pin and spring out of the breech block.
7. Clean the firing pin channel thoroughly before reassembly.
8. Reassemble in reverse order.

Frame and FCU Disassembly

1. Perform this procedure with the frame only and the slide removed.
2. De-cock the hammer by pulling the trigger while controlling the hammer's descent with your thumb. Do not allow it to snap down uncontrolled.
3. Remove the backstrap pin using a punch. Before the pin clears completely, cover the hole at the bottom of the backstrap to retain the detent and spring.
4. Remove the backstrap, sear spring, and grip safety spring.
5. Drive the FCU pin from right to left, using a slave pin to keep the FCU components captured as you push it through.
6. Remove the FCU as one complete unit.
7. Remove the sear/disconnector pin; the sear and disconnector will fall free.
8. Verify the D-clip on the left side of the FCU remains in place. This clip locks the hammer pin and must not be lost.
9. Drive out the slave pin to release the hammer, hammer spring, and grip safety.
10. Confirm the sear block retained by the pin through the grip safety remains in place.

Frame Reassembly

1. Install the trigger with the notch oriented upward.

2. Install the magazine catch, seat the C-clip with needle-nose pliers, and rotate the lock clockwise to secure it.
3. Reinstall the slide stop plunger and shoulder pin.
4. Install the sear and disconnect, noting proper orientation.
5. Confirm the D-clip is seated in the FCU groove.
6. Install the grip safety, verifying the sear block pin is in place.
7. Install the hammer and hammer spring: short leg to the left, long leg with hook to the right.
8. Drop the FCU into the frame, ensuring the hammer leg rests against the rear of the frame and the disconnect leg sits behind the trigger bow.
9. Insert the slide stop temporarily to hold the assembly in place.
10. Cock the hammer, then drive the hammer pin right to left, pushing out the slave pin as you go.
11. Install the sear spring: leg into the frame slit, left leg on the sear, center leg on the disconnect.
12. Install the grip safety spring and backstrap, holding the detent down as you drive the backstrap pin through.

Slide Reassembly

1. Degrease the breech block screw holes and apply red threadlocker to the screws before installation.
2. Install the firing pin and spring with the notch oriented toward the ejection-port side of the slide.
3. Install the firing pin block into the rear window of the breech block.
4. Install the firing pin retention pin.
5. Install the firing pin block spring.
6. Seat the breech block into the slide.
7. Start the breech block screws by hand. Do not torque yet.
8. Install the breech block pin and center it in the slide.
9. Torque the breech block screws to approximately 30 in-lb.
10. Install the extractor spring and buffer, followed by the extractor and extractor pin.
11. Install the reverse plug into the slide, followed by the barrel, locking block, and recoil spring. Capture the locking block against the barrel lug.
12. Install the slide onto the module rails.
13. Insert the slide stop at the notch and seat fully.
14. Verify the firearm is clear, then check function. The cocked hammer should be visible through the rear indicator window.

Torque and Threadlocker Reference

Component	Torque	Threadlocker
Cover plate screws	Approx. 15 in-lb	Blue threadlocker
Optic screws	No more than 15 in-lb	Blue threadlocker, sparingly
Breech block screws	Approx. 30 in-lb	Red threadlocker

Exploded Views



Figure 7. BULWARK exploded-view reference.

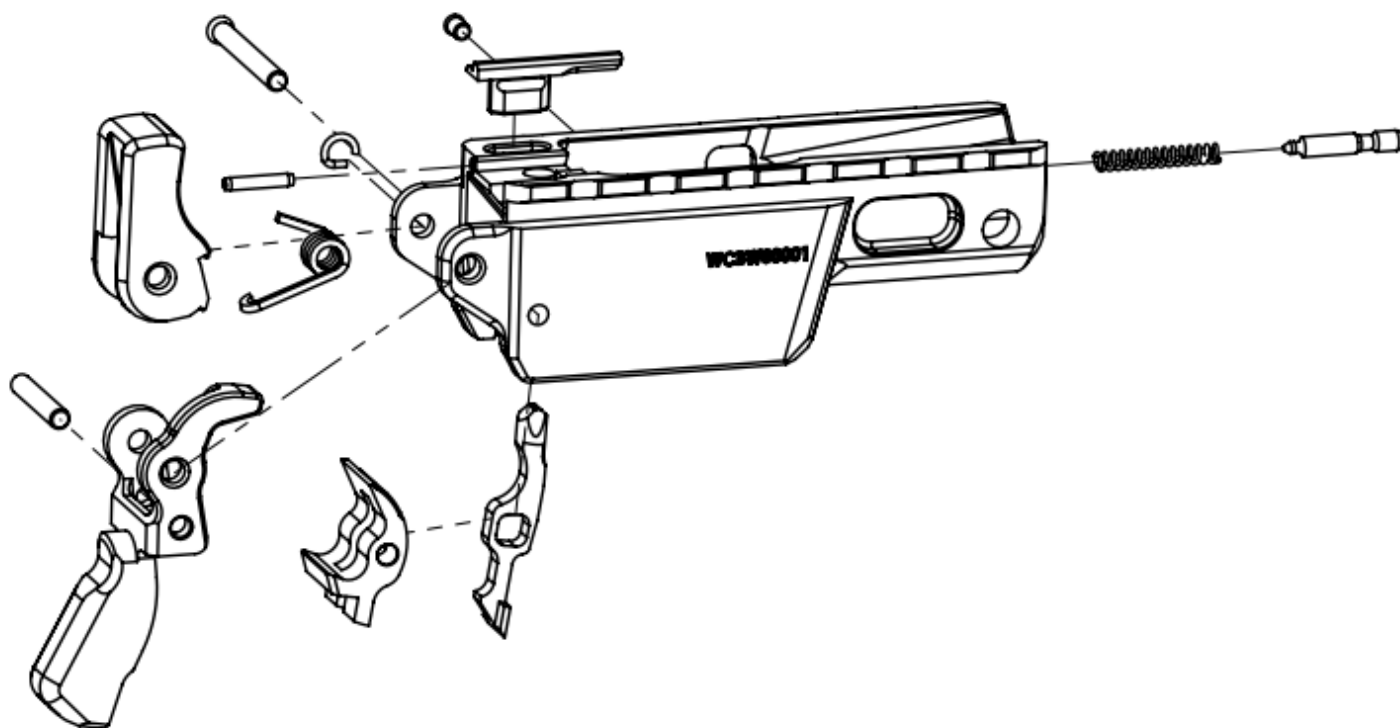


Figure 9. BULWARK fire control unit assembly exploded view.

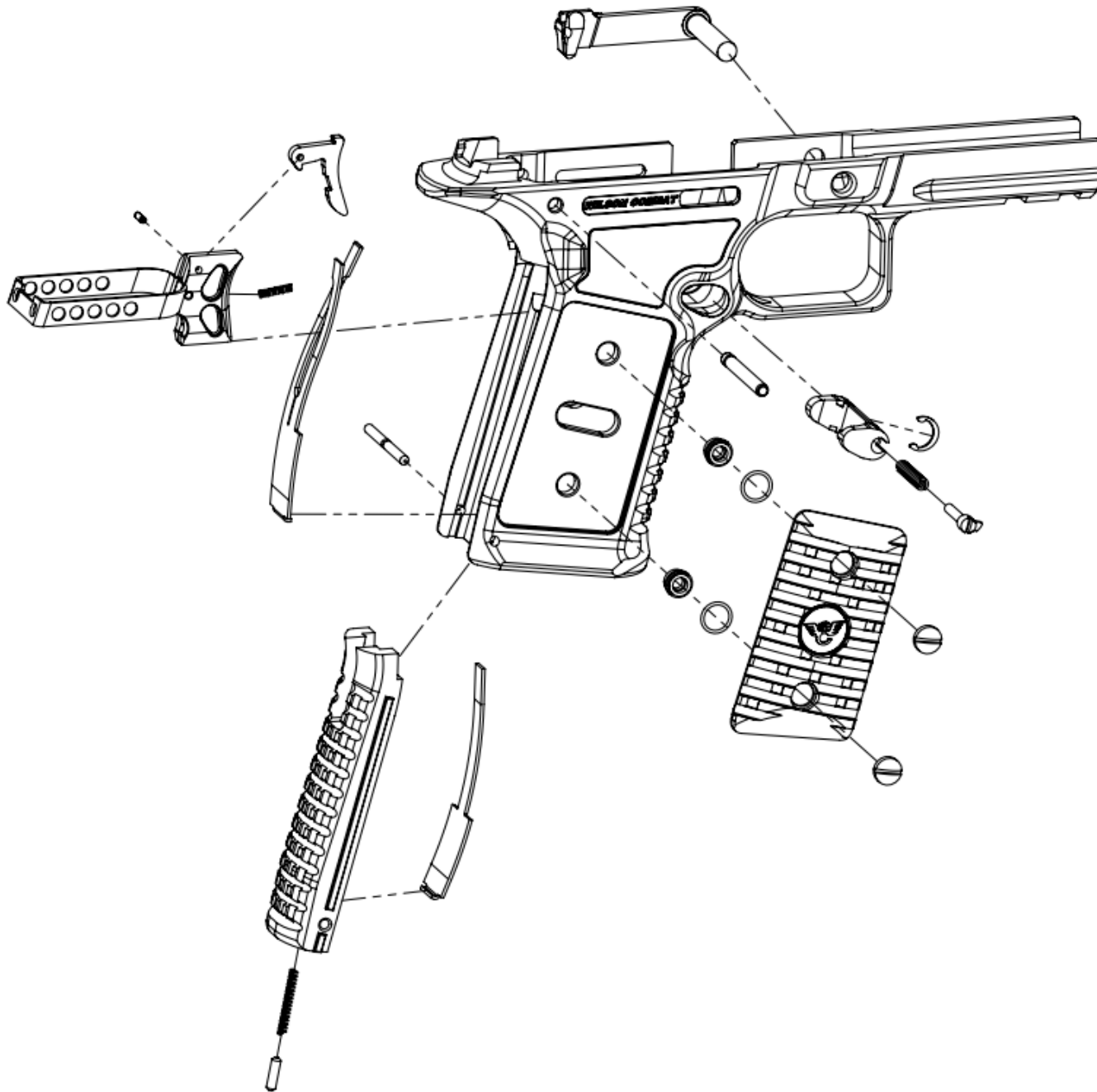


Figure 10. BULWARK frame assembly exploded view.

Service and Support

For service or technical support, contact Wilson Combat before using a firearm that does not pass inspection, function testing, or routine maintenance checks.

Need	Contact
Phone	800-955-4856
General support	info@wilsoncombat.com
Service repairs	Email info@wilsoncombat.com with "Attn: Service Repairs" in the subject line.
Website	https://www.wilsoncombat.com
Returns and exchanges	https://wilsoncombat.com/wc-returns-exchanges

FINAL CHECK: Before firing after service, cleaning, disassembly, reassembly, or optic installation, verify the handgun is unloaded and perform the function test in this manual.

Notes
