

FOXTROT MIKE PRODUCTS

ISU-9 9MM INTEGRALLY SUPPRESSED UPPER RECEIVER

USER & MAINTENANCE MANUAL

Foxtrot Mike Products wishes to thank you for choosing the ISU-9 Upper Receiver. It was developed to support Blue Collar consumers with a soft shooting, feature rich, sophisticated, compact and user friendly Integrally Suppressed 9mm Upper Receiver. It was designed to complement the RMB (recoil mitigation buffer) we launched to great success in 2026.

WARNING - READ BEFORE USE

Read this manual completely before using, cleaning, disassembling, or maintaining the ISU-9 Upper Receiver.

To ensure the safety of the users of the ISU-9 Integrally Suppressed Upper Receiver, it is important that the owner and user of the ISU-9 Upper Receiver read the entire manual and adhere to the warnings and instructions in this manual. The ISU-9 should only be used by people who understand the safe operation of firearms. Failure to adhere to the guidelines, instructions, and warnings in this manual may result in serious personal injury and damage to your firearm. It is important to treat the ISU-9 Upper with the same caution as any firearm to ensure the safe function of your firearm.

1. IMPORTANT SAFETY INFORMATION

The ISU-9 is a firearm component designed to be used with a compatible 9mm AR-pattern lower receiver and appropriate 9mm ammunition.

Always treat every firearm as loaded.

Before performing any inspection, cleaning, maintenance, or disassembly:

- Point the firearm in a safe direction.
- Remove the magazine.
- Verify the chamber is empty.
- Keep your finger outside the trigger guard.
- Ensure the firearm is unloaded before removing the upper receiver from the lower receiver.
- Allow the upper receiver and suppressor assembly to cool before performing maintenance.

- Wear appropriate eye protection when cleaning or using compressed air.
- Follow all applicable federal, state, and local laws.
- Follow the safety instructions provided by the manufacturer of the complete firearm and lower receiver.

Never attempt to modify the ISU-9, its suppressor assembly, barrel, baffles, bolt, or other components.

If you are uncertain about any maintenance procedure, stop and contact Foxtrot Mike Products for assistance.

FM Products Customer Service: info@fm-products.com

2. INTRODUCTION TO THE ISU-9

The Foxtrot Mike Products ISU-9 is an integrally suppressed 9mm upper receiver designed around FM Products' patented suppressor system. How the ISU-9 Differs from Traditional Blowback Systems

The ISU-9 Upper Receiver *does not operate like a traditional blowback 9mm PCC.*

Traditional blowback 9mm operating systems rely on chamber pressure acting against a relatively heavy bolt assembly. As the cartridge fires and the projectile travels down the barrel, expanding gases generate pressure behind the projectile.

In a conventional blowback system, bolt mass, buffer mass, and recoil-spring resistance are used to keep the action closed long enough for chamber pressure to decrease to an appropriate level. The resulting rearward acceleration of this comparatively heavy reciprocating mass can produce the sharp, "snappy" recoil impulse commonly associated with blowback 9mm PCCs.

The ISU-9 manages this pressure differently.

As the projectile travels through the ISU-9 barrel, it passes the precision gas ports intersecting the rifling in the barrel, providing excellent accuracy from a ported barrel. These ports allow expanding gases to begin flowing into the integral suppressor system, where they are redirected through the suppressor's internal gas-management system and ultimately exhausted forward through the end cap.

Rather than relying on a conventional blowback pressure profile and excessive reciprocating mass to control operation, the ISU-9's **flow-through gas-management technology progressively redirects and vents expanding gases through the suppressor system**. The back pressure created by the suppressor helps drive the bolt carrier group, and moderates the pressure and operating impulse transmitted to the reciprocating components.

What This Means for the Shooter

The result is a noticeably different shooting experience:

- Softer recoil impulse than traditional blowback PCC operating systems
- Less reciprocating mass
- Reduced sharp or "snappy" rearward impulse
- Smoother cycling
- Reduced disturbance of the firearm during firing
- Faster and easier follow-up shots
- Integrated suppression and gas management working together as a complete system
- Dramatically less load on the gun than a traditionally suppressed Blowback 9mm PCC
- **CONVERTS 115GR AMMUNITION TO SUBSONIC**

The ISU-9's reduced recoil is therefore not achieved simply by adding weight to the bolt or buffer. It is a direct result of managing expanding gases differently from a traditional blowback PCC.

Instead of allowing gas pressure and heavy reciprocating mass to dictate the shooting characteristics of the firearm, the ISU-9 redirects and meters those gases through its integral suppressor system—producing a softer, smoother, and more controllable recoil impulse.

The ISU-9 utilizes precision gas ports intersecting the rifling in the barrel are routed through an internal labyrinth, expanded into the internal chamber surrounding the barrel, directed through an integrated baffle stack, and metered through the exhaust ports in the suppressor end cap.

This design allows the ISU-9 to provide reduced recoil, controlled gas flow, and integrated suppression without relying on excessive reciprocating mass. The ISU-9 was designed to provide a lightweight, simple, durable, and highly integrated suppressed 9mm platform. The product description identifies the system as using an integrated baffle stack and end-cap exhaust system.

3. IMPORTANT: INTEGRALLY SUPPRESSED SYSTEMS REQUIRE MORE MAINTENANCE

An integrally suppressed firearm will generally accumulate substantially more carbon and combustion residue than a conventional unsuppressed 9mm PCC. The same is true when a traditional blowback 9mm PCC is used with a suppressor.

The ISU-9 is no exception.

Because the suppressor system is integrated into the upper receiver, combustion gases are intentionally captured, redirected, expanded, and metered through the internal suppressor assembly. This provides the benefits of integral suppression, but it also means that carbon and other combustion byproducts will accumulate throughout the suppressor system and inside portions of the upper receiver.

The ISU-9 therefore requires more frequent cleaning and maintenance than a standard 9mm PCC being shot unsuppressed.

This is particularly important when the upper has experienced:

- Long strings of fire
- High-volume shooting sessions
- Rapid or continuous firing
- Extended training sessions
- Ammunition that produces significant fouling

Recommended Maintenance Philosophy

More rigorous maintenance is preferred when the ISU-9 is subjected to long strings of fire or high round counts.

Do not wait until excessive carbon accumulation prevents normal disassembly.

Regular cleaning will make maintenance easier, reduce accumulated fouling, and help preserve reliable operation.

4. FM PRODUCTS SERVICE

If you would prefer to have Foxtrot Mike Products perform maintenance on your ISU-9, you can ship your ISU-9 Upper Receiver to FM Products for maintenance and cleaning for \$20. Contact FM Products before shipping for ISU-9 Upper Receiver shipping instructions.

Email: info@fm-products.com

Foxtrot Mike Products stands behind the ISU-9 with its transferable limited lifetime warranty.

If you experience difficulty maintaining your ISU-9, contact us. We are here to help.

If any component of the ISU-9 becomes damaged through normal use, contact FM Products and arrange for the upper to be returned for inspection. FM Products will replace damaged components as appropriate under the applicable warranty and service terms.

5. REQUIRED CLEANING SUPPLIES

The ISU-9 can be maintained using commonly available firearm cleaning products.

FM Products has had good results with products such as:

- Breakthrough Clean
- CLP
- Slip 2000

- Sonic Tonic
- Lucas Oil Bore Solvent
- Clenzoil

Other quality firearm cleaning products may also be suitable.

Always verify that any chemical, solvent, cleaner, or lubricant you intend to use is compatible with the materials and coatings on the ISU-9 components.

Some aggressive chemicals can damage finishes, coatings, seals, or other components.

When in doubt, contact FM Products before using an unfamiliar chemical.

Additional Cleaning Equipment

The following equipment can be useful:

- Cleaning rod
- Nylon or other non-damaging brushes
- Wood dowel
- Appropriate firearm cleaning patches
- Compressed air
- 1" socket, Flat-jaw Knipex-style channel locks or Large crescent wrench
- 25 mm bore brush

Many users also utilize ultrasonic cleaners for firearm maintenance. An ultrasonic cleaner can be an excellent option if properly used. Using an Ultrasonic cleaner can be supplemented for occasional routine maintenance or extend regular maintenance schedules. Ultrasonic should never fully replace regular routine maintenance and users must regularly lubricate the ISU-9 Upper Receiver to ensure safe and reliable function.

Before placing any component in an ultrasonic cleaner, verify that the cleaning solution and cleaning process are compatible with the material, finish, coating, and any seals on that component.

6. PREPARING THE ISU-9 FOR MAINTENANCE

Before beginning suppressor maintenance:

1. Ensure the firearm is completely unloaded.
2. Remove the magazine. (FIGURE 6.1)
3. Verify that the chamber is empty. (FIGURE 6.2)
4. Separate the upper receiver from the lower receiver as appropriate. (FIGURE 6.3)
5. Remove the 9mm Bolt Carrier Group. (FIGURE 6.4)
6. Remove the standard rear charging handle. (FIGURE 6.5)

Set the Bolt Carrier Group and charging handle aside for separate maintenance.

Allow the upper receiver to cool completely before beginning maintenance if it has recently been fired.

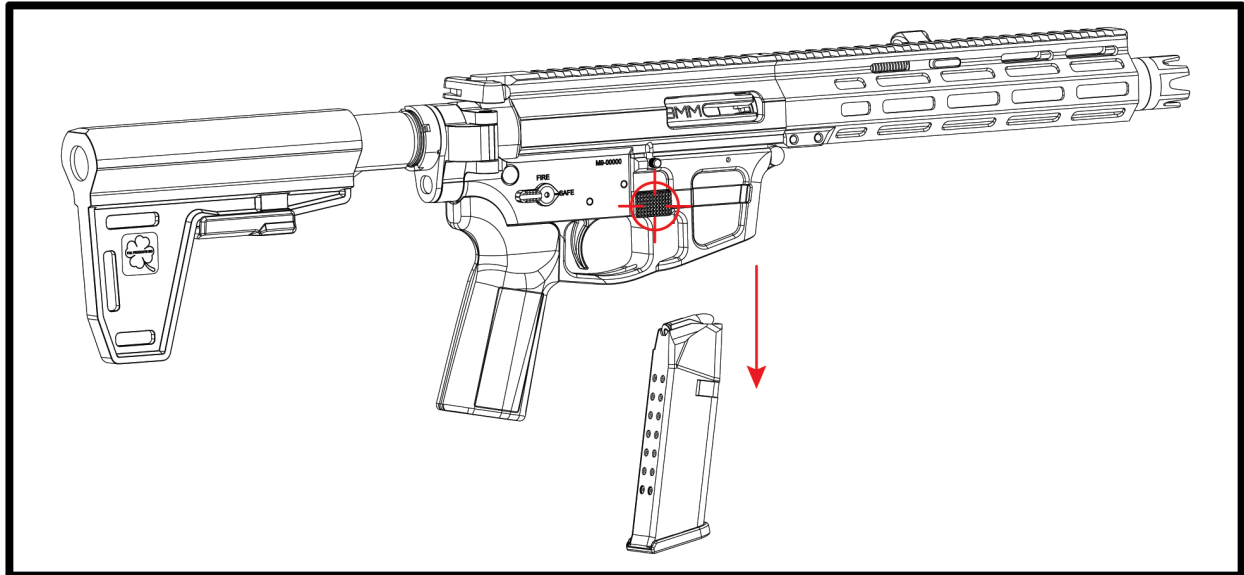


FIGURE 6.1 - Remove the magazine.

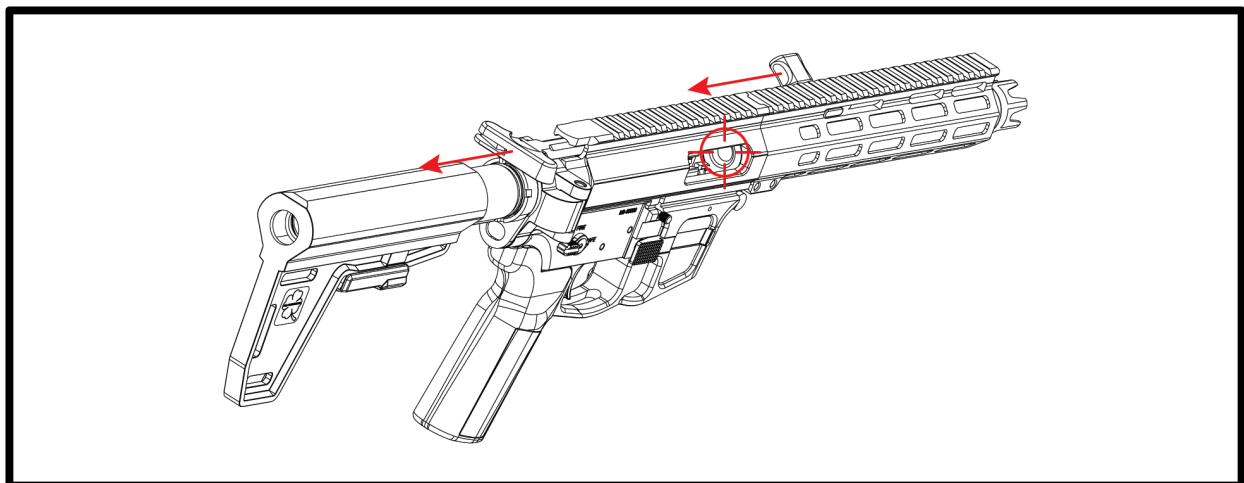


FIGURE 6.2 - Verify that the chamber is empty

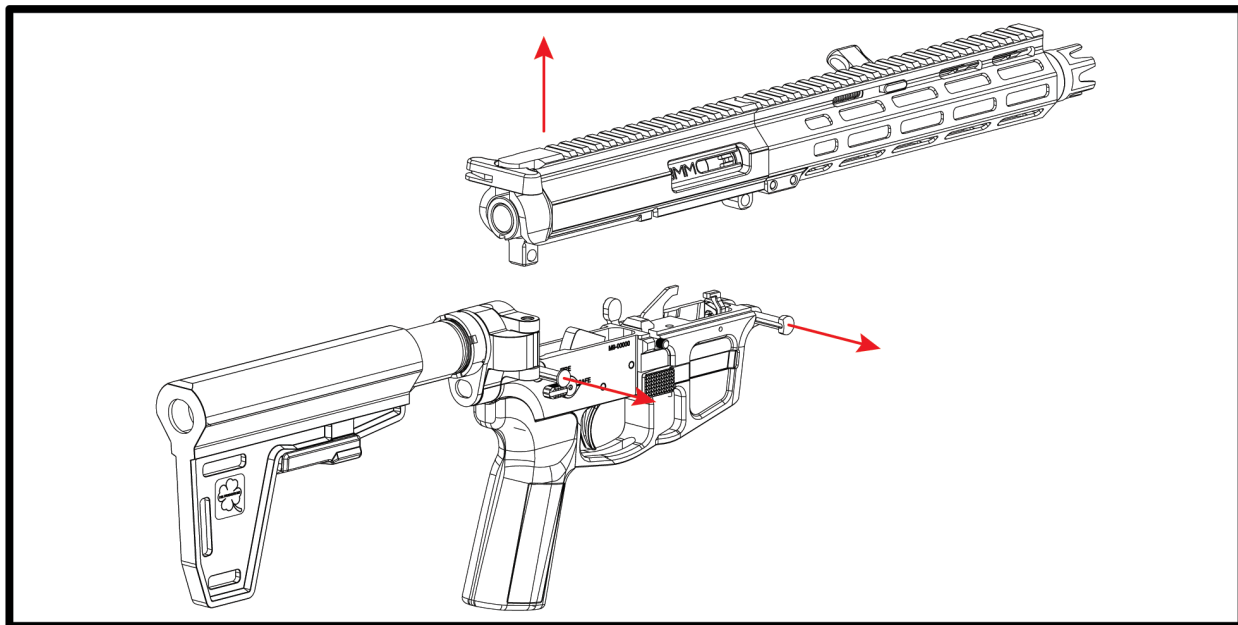


FIGURE 6.3 - Separate the upper receiver from the lower receiver

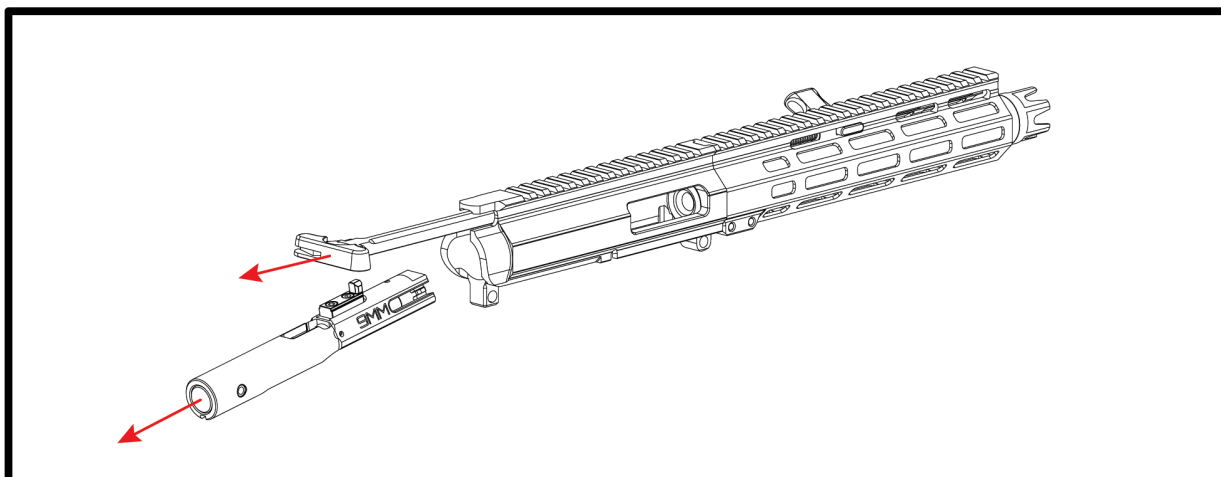


FIGURE 6.4 - Remove the 9mm Bolt Carrier Group

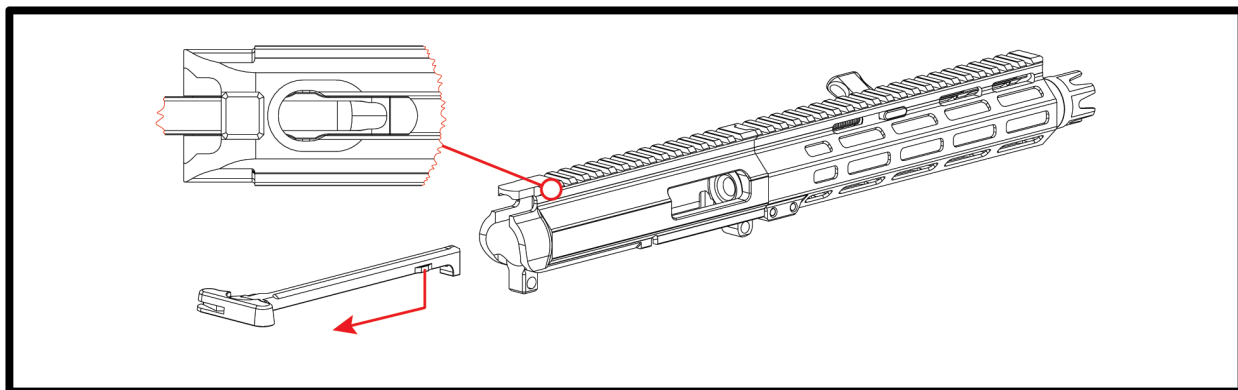


FIGURE 6.5 - Remove the standard rear charging handle

7. SUPPRESSOR DISASSEMBLY

The suppressor portion of the ISU-9 is designed to be disassembled for routine cleaning and maintenance.

IMPORTANT: The suppressor end cap must be loosened before removing the handguard.

The handguard clamps around the barrel and helps retain the suppressor assembly during disassembly. Attempting to remove the handguard before loosening the end cap can interfere with proper disassembly.

Step 1 — Secure the Upper

Install the upper receiver in an appropriate upper receiver fixture. (FIGURE 7.1)

Use a fixture that securely supports the upper receiver without damaging its finish or components.

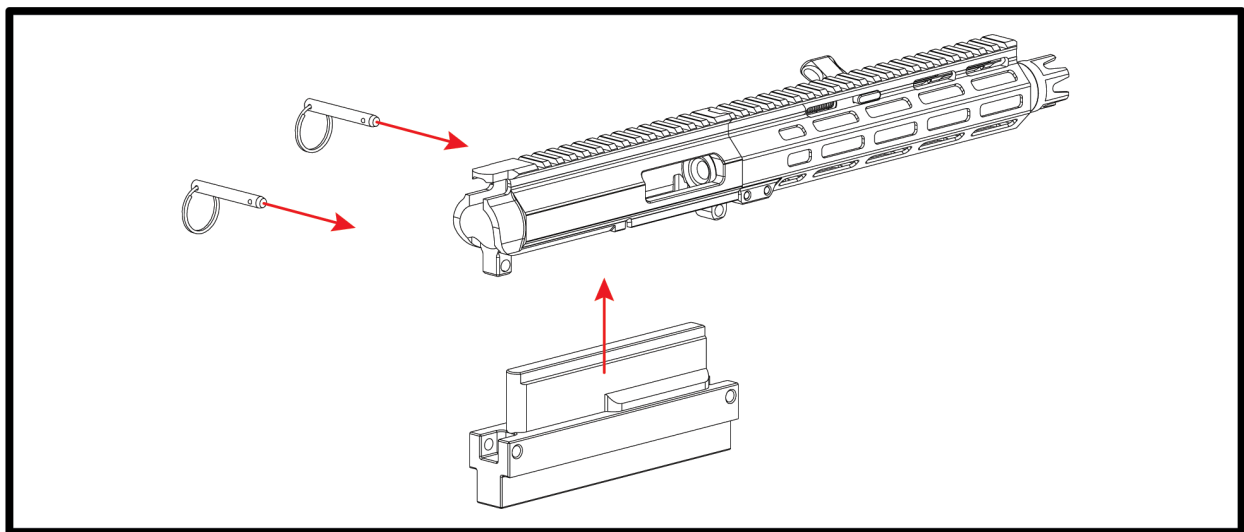


FIGURE 7.1 - Install upper receiver fixture

Step 2 — Loosen the End Cap

It's always a good idea to spray the end cap with some CLP (or similar) and let it loosen the carbon before removing the end cap. Using a 1" socket, large crescent wrench, or flat-jaw Knipex-style channel locks, gently loosen the threaded suppressor end cap. (FIGURE 7.2)

Use care to avoid damaging the finish or components.

Do not use excessive force.

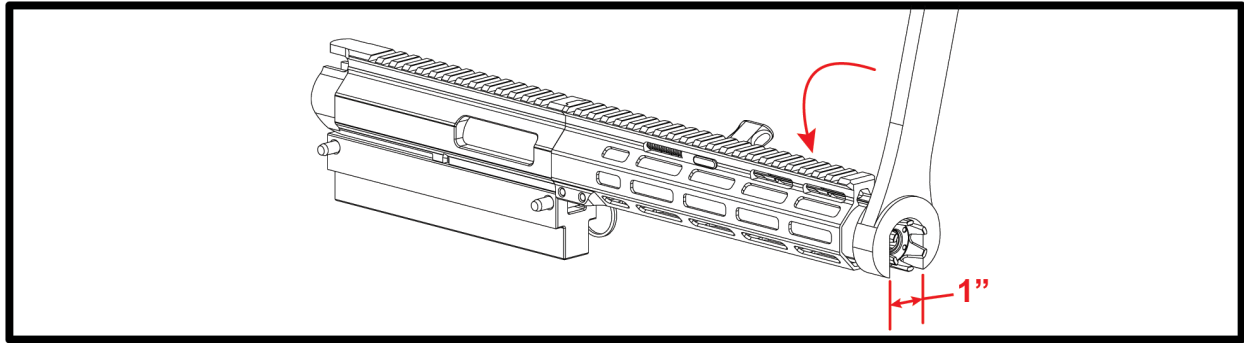


FIGURE 7.2 - Loosen the threaded suppressor end cap

Step 3 — Remove the Handguard

Once the end cap has been loosened:

1. Never use “Ball Tip” style allen wrenches to remove the hardware. Remove the two 10-32 socket-head cap screws securing the handguard.
2. Slide the handguard forward and off the upper assembly. (FIGURE 7.3)

Set the handguard and fasteners aside.

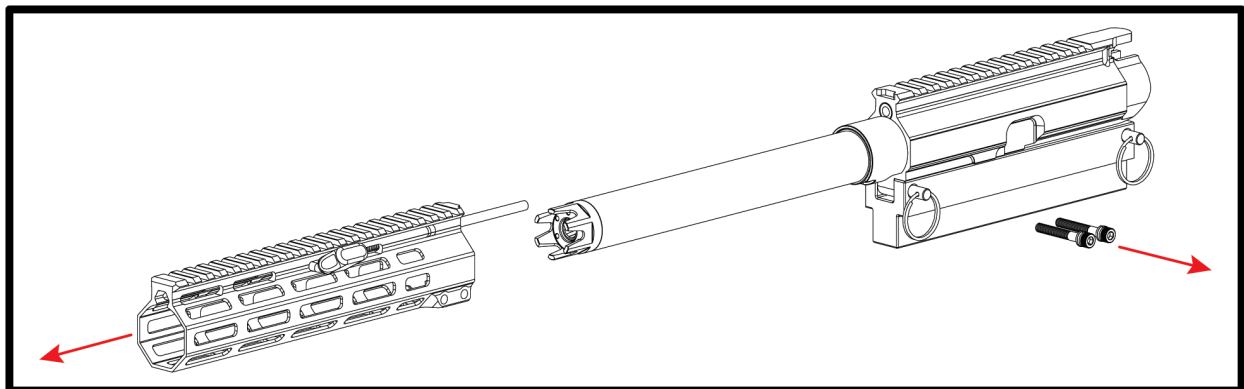


FIGURE 7.3 - Remove hardware and slide handguard forward

Step 4 — Remove the Outer Tube

Spray CLP (or similar) down the inside of the suppressor from the front, to loosen the carbon inside the Outer Tube and Baffles prior to removing the Outer Tube.

The ISU-9 utilizes an integrated silicone sleeve over a seamless stainless-steel outer tube.

The outer tube can be pulled forward and removed from the barrel. (FIGURE 7.4)

Once the outer tube has been removed, the baffle stack may remain inside the outer tube.

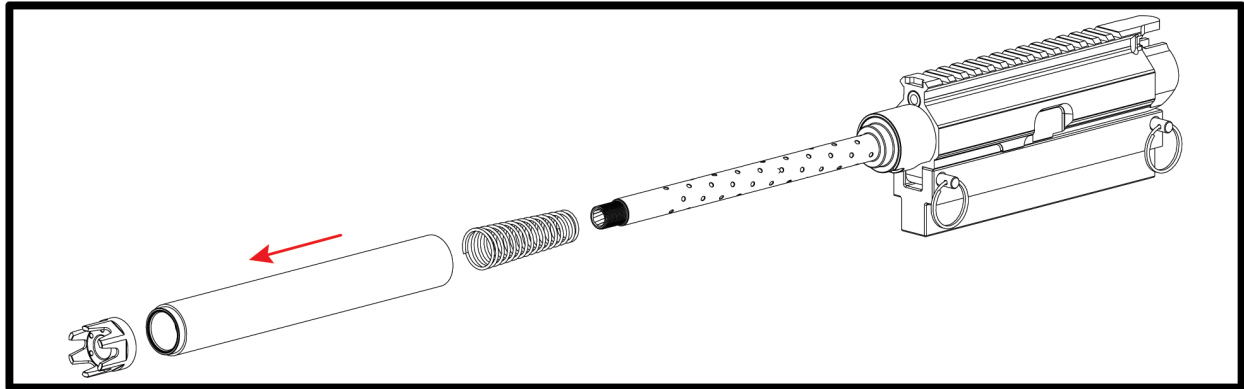


FIGURE 7.4 - Pull outer tube forward

8. REMOVING THE BAFFLE STACK

Once the outer tube has been removed:

1. Spray the baffle stack and interior of the outer tube with an appropriate carbon cleaner or CLP.
2. Allow the cleaner to penetrate accumulated carbon.
3. Using a plastic or wood dowel ($\frac{5}{8}$ " - $\frac{7}{8}$ " diameter), gently tap the baffles from the rear of the suppressor assembly. (FIGURE 8.1)
4. Push the baffle stack forward and out through the front of the outer tube. (FIGURE 8.2)

Do not use steel tools or excessive force against the baffles.

If the baffle stack is difficult to remove because of heavy carbon accumulation, allow an appropriate carbon-removing cleaner to penetrate the fouling before attempting removal again.

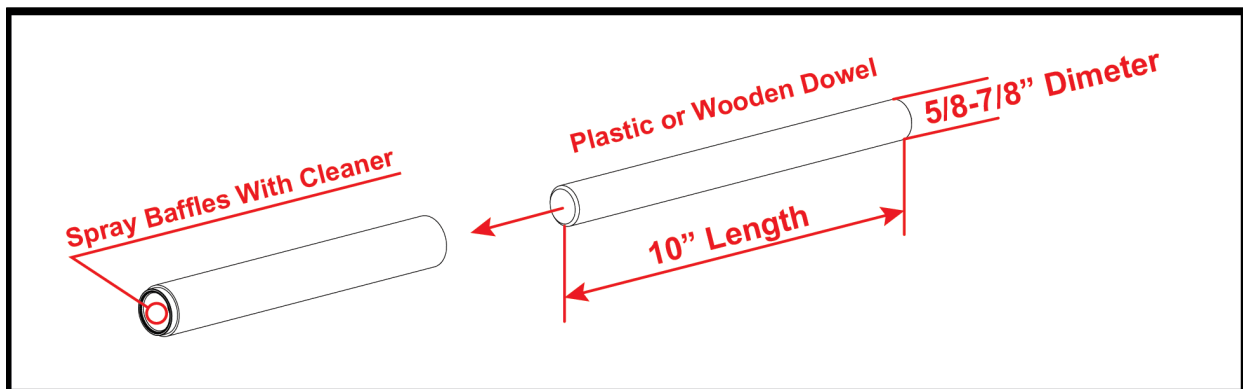


FIGURE 8.1 - Tap baffles from the rear with plastic or wooden dowel

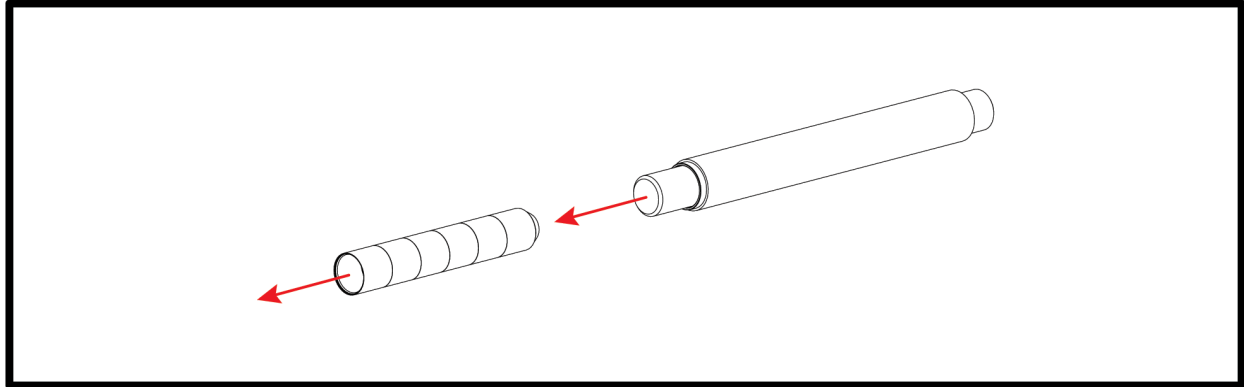


FIGURE 8.2 - Push baffle stack out the front of the tube

9. BAFFLE IDENTIFICATION AND ORIENTATION

The ISU-9 utilizes a six-baffle stack.

The rearmost baffle is the initial blast baffle and is manufactured from stainless steel.

The remaining five baffles are manufactured from 7075-T6 aluminum.

Note orientation of Baffles and vents on the baffles. The orientation of the vents should be aligned between all the Baffles.

CRITICAL REASSEMBLY REQUIREMENT (FIGURE 9.1)

The stainless-steel blast baffle must be installed at the rear of the baffle stack.

The five aluminum baffles are installed forward of the stainless-steel blast baffle.

Do not substitute, omit, or rearrange the baffles.

When installing Baffles, re-orient the vents on the baffles so they are all aligned.

Refer to the ISU-9 exploded view for the correct orientation of each baffle and the conical spring.

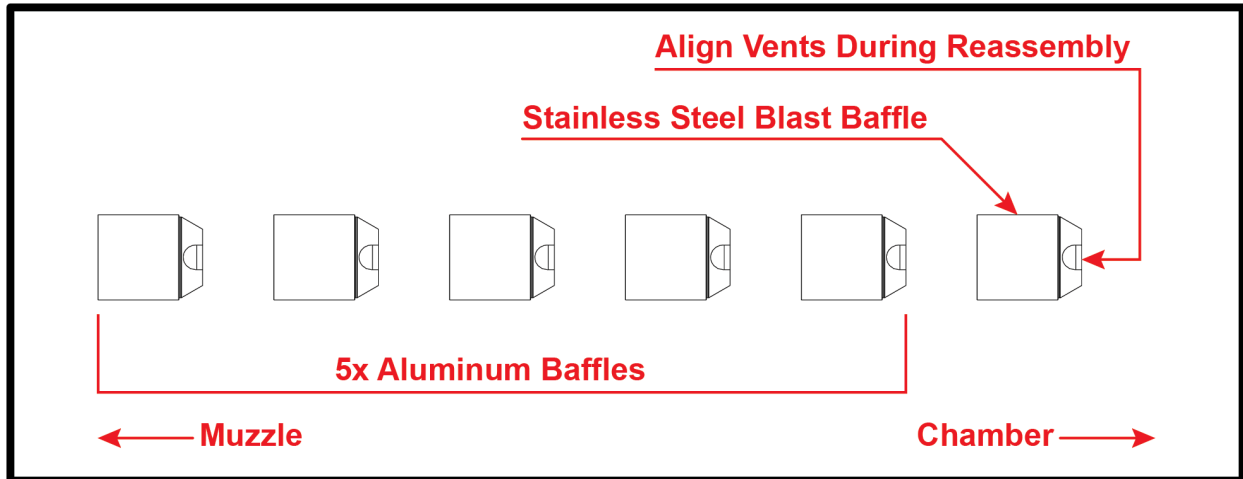


FIGURE 9.1 - Baffle stack assembly requirements

10. CLEANING THE BAFFLES

After removing the baffle stack:

1. Separate the baffles.
2. Apply your preferred carbon cleaner.
3. Allow the cleaner sufficient time to loosen carbon deposits.
4. Remove accumulated carbon using appropriate cleaning tools.
5. Avoid damaging the surfaces or edges of the baffles.
6. Thoroughly dry or wipe the components as appropriate.
7. Apply a light coat of CLP after the baffles have been thoroughly cleaned.

The goal is to remove accumulated carbon without damaging the baffles.

Do not aggressively scrape aluminum baffles with hard steel tools.

11. CLEANING THE BARREL AND END CAP

Remove the conical spring and set it aside.

Clean accumulated carbon from:

- The exterior of the barrel
- The threaded end of the barrel
- The suppressor end cap
- The end-cap mating surfaces

- The end-cap threads

Use an appropriate carbon cleaner.

This is also an excellent opportunity to thoroughly clean the threads on the end of the barrel and the corresponding mating threads inside the suppressor end cap.

Clean threads are important for proper assembly.

Once the Barrel and End Cap are thoroughly cleaned apply a coat of CLP or Gun Oil.

12. CLEANING THE OUTER TUBE

The inside of the stainless-steel outer tube will accumulate carbon during normal operation.

Apply your preferred carbon cleaner to the inside of the outer tube and allow the cleaner to break up accumulated fouling.

A 25 mm bore brush mounted to a cleaning rod works well for cleaning the inside diameter of the outer tube.

After cleaning:

1. Remove loosened carbon and debris.
 2. Wipe or dry the outer tube as appropriate.
 3. Inspect the interior for excessive carbon buildup or damage.
 4. Apply a light coat of CLP or Gun Oil before reassembly.
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13. CLEANING THE SILICONE SLEEVE

The silicone sleeve surrounding the stainless-steel outer tube is removable. Replacements are available at: <https://store.fm-products.com/>

The sleeve can also be removed without removing the suppressor end cap using compressed air.

Removing the Silicone Sleeve

1. Use compressed air. *Always use appropriate eye protection when using compressed air.*
2. Place the tip of an air nozzle underneath the end of the silicone sleeve.
3. Introduce a small amount of compressed air underneath the sleeve.
4. The sleeve will expand and slide forward off the suppressor assembly.

Do not use excessive air pressure or tools that could cut, puncture, or otherwise damage the silicone sleeve.

* A high temperature fire sleeve will be available for sale as an aftermarket product. Go to <https://store.fm-products.com/> for more information.

14. REASSEMBLY OF THE SUPPRESSOR SYSTEM

After all components have been cleaned and lightly treated with CLP, the suppressor assembly can be reassembled.

Step 1 — Install the Conical Spring (FIGURE 14.1)

Slide the conical spring onto the barrel.

The large-diameter end of the conical spring must face forward.

The baffle stack will rest against this portion of the spring.

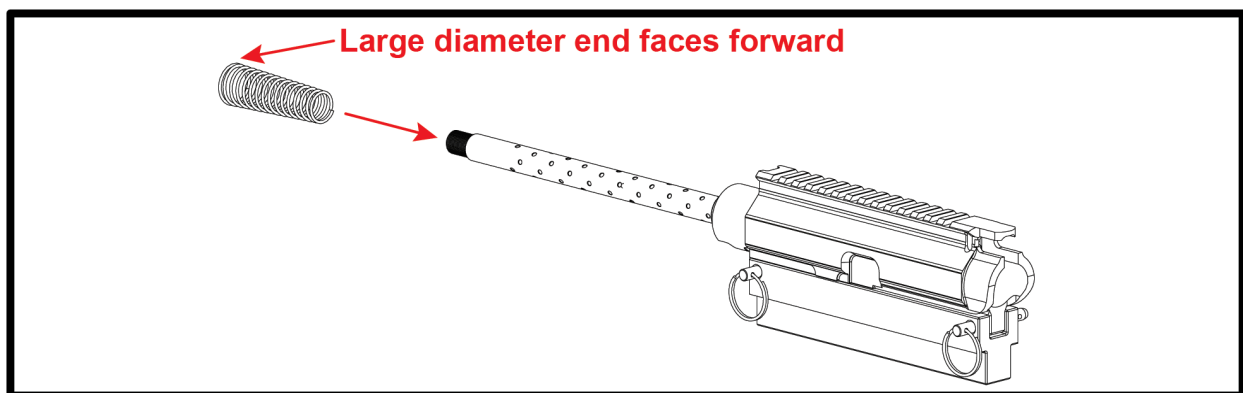


FIGURE 14.1 - Install the Conical Spring

Step 2 — Install the Baffle Stack (FIGURE 14.2)

Install the:

1. Stainless-steel blast baffle first.
2. Five 7075-T6 aluminum baffles afterward.

Ensure that every baffle is oriented correctly.

Refer to the ISU-9 exploded view for proper baffle orientation.

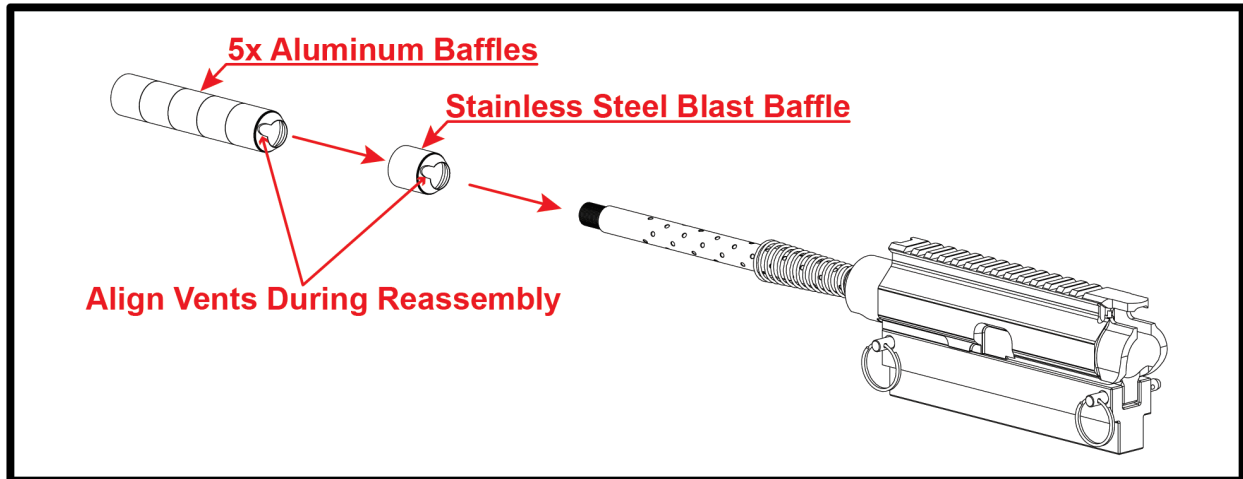


FIGURE 14.2 - Install the Baffle Stack

Step 3 — Install the Outer Tube (FIGURE 14.3)

Spray some CLP (or similar) in the bore of the Outer Tube, and the outside of the baffle stack, ensuring the baffle stack is properly aligned before installing. Carefully slide the stainless-steel outer tube over the baffle stack. Alternatively you may slide the baffle stack into the outer tube, then onto the ISU-9 Upper Receiver Barrel.

Ensure the outer tube is fully rearward before beginning installation of the suppressor end cap.

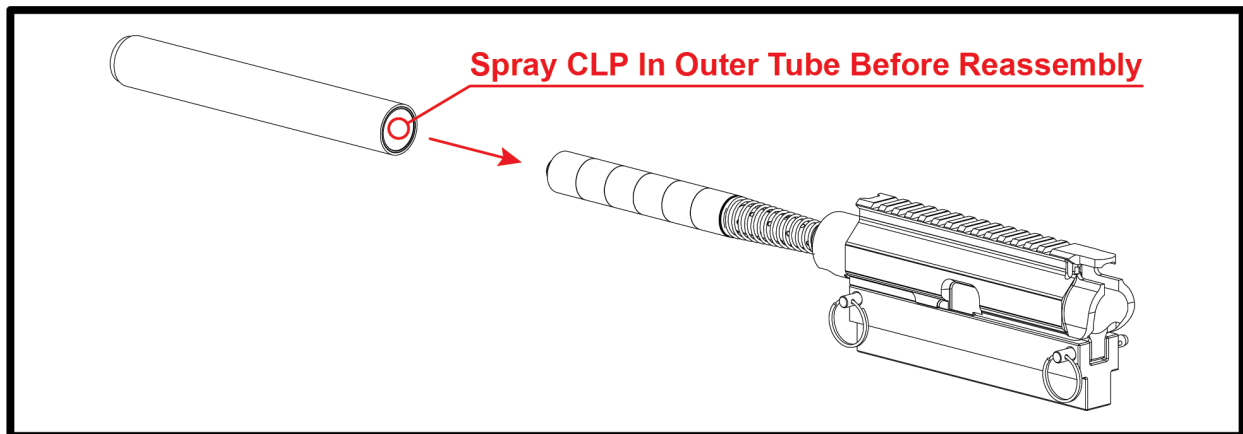


FIGURE 14.3 - Install the Outer Tube

Step 4 — Install the End Cap (FIGURE 14.4)

Spray CLP (or similar) on the threads of the end cap, and carefully begin threading the end cap onto the barrel by hand.

Do not force the end cap.

The end cap should thread smoothly.

If the end cap becomes tight or difficult to turn during initial threading:

STOP.

Remove the end cap, clean the barrel threads and internal threads on the cap, spray both with CLP (or similar) and restart the threading process.

A tight end cap during initial threading may indicate that the threads are not properly aligned.

Never force or cross-thread the end cap.

Once properly installed, secure the end cap using the appropriate tool. Make sure the end cap is properly tightened, 35 inch pounds is enough. If you are not using a torque wrench, tighten the end cap by hand as tight as you can, then use an applicable tool and snug it firmly without using excessive leverage.

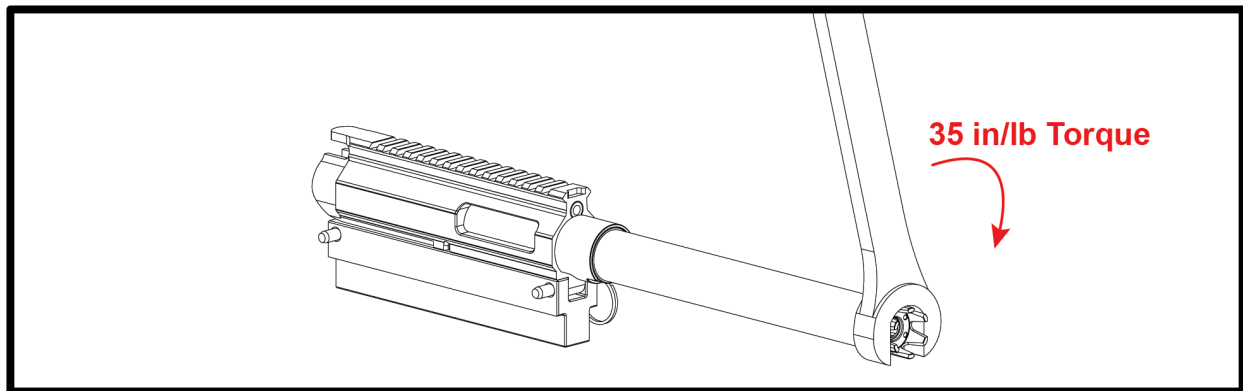


FIGURE 14.4 - Install the End Cap

Step 5 — Reinstall the Handguard (FIGURE 14.5)

After the suppressor assembly has been properly reassembled:

1. Slide the handguard into position.
2. Align the handguard.
3. Never use "Ball Tip" style allen wrenches to install the hardware. When reinstalling the two 10-32 socket-head cap screws. Torque to 20 inch pounds, or ensure the screws are snug without over-tightening the hardware. Users may choose to use Blue Loctite on the handguard screws.
4. Secure the handguard appropriately.

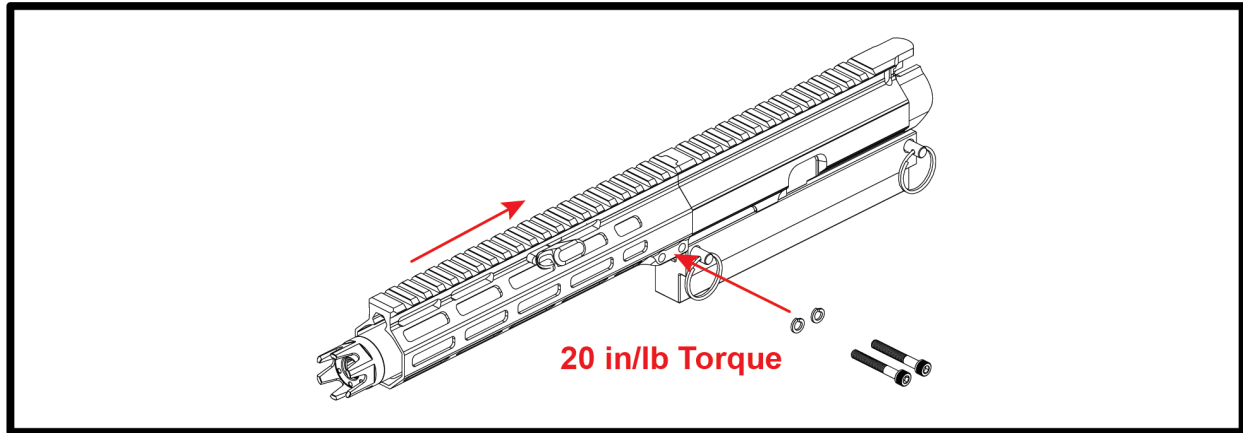


FIGURE 14.5 - Reinstall the Handguard

IMPORTANT - VERIFY COMPONENTS ARE SECURE

In order to function safely, all the components on the ISU-9 Upper Receiver must be tightly secured during operation. After routine maintenance is performed, it is important to ensure the components are securely attached to the mating components during use of the ISU-9 Upper Receiver. Should you note any components becoming loose during operation of the firearm, immediately stop and perform routine maintenance on the ISU-9 Upper Receiver as needed to ensure safe function of the firearm.

15. BOLT CARRIER GROUP MAINTENANCE

The ISU-9 9mm bolt requires regular maintenance.

Because the ISU-9 is an integrally suppressed system, the bolt will generally experience more carbon accumulation than the bolt in a standard unsuppressed 9mm PCC.

Regular bolt maintenance is therefore particularly important.

15.1 Firing Pin Maintenance (FIGURE 15.1)

Regularly remove the firing pin and firing pin spring. Flush the firing pin channel with applicable Gun Cleaning Solvent to remove built up carbon.

Inspect and thoroughly clean the firing pin channel with a copper brush as needed to remove built-up carbon.

Carbon accumulation in the firing pin channel can interfere with proper firing pin movement and cleaning the firing pin channel is critical to safe reliable function of the ISU-9 Upper Receiver.

You can easily check the function of the Firing Pin by depressing it with a punch, it should move freely and spring back rearward to its resting position. When the Firing Pin is fully depressed, you should see the tip through the end of the bolt face.

*In the event your firing pin does not move freely, immediately **stop** and perform routine maintenance on the Bolt Carrier Group.*

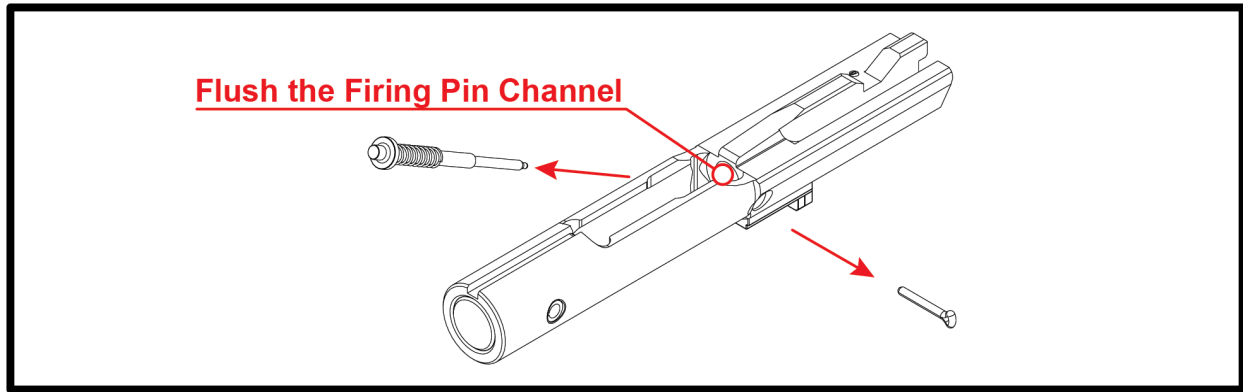


FIGURE 15.1 - Firing Pin Maintenance

IMPORTANT: The ISU-9 utilizes an HD firing pin spring.

Only use the HD firing pin spring specified for the ISU-9.

The Heavy Duty firing pin spring is designed specifically to improve performance over standard firing pin springs. It was designed with the evolving needs of modern shooters in mind, and is engineered to complement suppressor use.

Do not substitute a standard firing pin spring unless specifically authorized by FM Products.

15.2 Extractor Maintenance (FIGURE 15.2)

Every 250 rounds, FM Products recommends removing the extractor and cleaning the extractor pocket.

As an alternative between complete extractor cleanings, the extractor and extractor pocket can be regularly flushed with an appropriate gun cleaner to remove accumulated carbon. Some users may choose to spray CLP (or similar) to loosen the carbon before flushing the extractor pocket with a gun cleaner.

The extractor should move freely, but some resistance is normal because the ISU-9 uses a Heavy Duty extractor spring. If the extractor does not move freely:

If you note the extractor does not move freely, this is a good indication that carbon or debris has accumulated in the extractor pocket. Remove the extractor and thoroughly clean the extractor pocket.

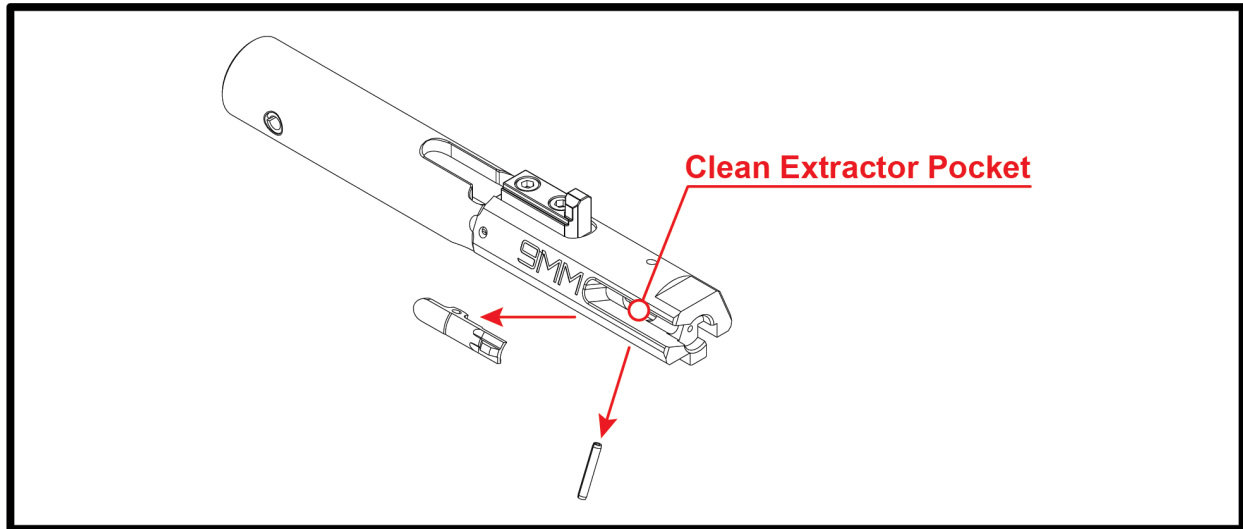


FIGURE 15.2 - Extractor Maintenance

IMPORTANT: Use the HD extractor spring supplied with the ISU-9.

Do not substitute a standard extractor spring unless specifically authorized by FM Products.

15.3 Bolt Lubrication

Before installing the bolt carrier group:

- Apply a light coat of quality firearm oil or CLP to the exterior surfaces of the bolt.
- Do not leave excessive lubricant inside the firing pin channel.
- Ensure the bolt is clean and free of excessive carbon and debris.

16. LUBRICATION

9mm PCC systems benefit from regular lubrication.

The ISU-9 should be properly lubricated before use and after cleaning.

FM Products recommends applying appropriate firearm lubricant to:

- The inside of the upper receiver
- Charging handle
- Charging handle track
- Charging handle trolley on the handguard
- Exterior of the bolt

Use a quality firearm oil or CLP.

The objective is to maintain an appropriate level of lubrication, this is especially important when a firearm is new.

S.O.T.A.R. Does a great video on proper lubrication of an AR15, it is applicable to how we lubricate our 9mm PCC's here. Go to 6:40 for more info on proper lubrication techniques:

<https://www.youtube.com/watch?v=DTpWfjVFfEU>

FM Products does not recommend the use of any dry film lubrication or thick grease when maintaining our products.

Before Storage

After the ISU-9 has been cleaned:

1. Inspect the components.
2. Apply an appropriate light coat of oil or CLP.
3. Lubricate the recommended contact surfaces.
4. Store the upper in a clean, dry environment.

Applying proper lubrication to your ISU-9 Upper Receiver before storage, helps reduce the potential for corrosion.

17. MAINTENANCE SCHEDULE

The following schedule is a general recommendation. High-volume use, long strings of fire, ammunition selection, and environmental conditions may require more frequent maintenance.

Upper receiver

Clean and lubricate regularly

Charging handle

Clean and lubricate regularly

Charging handle track

Clean and lubricate regularly

Charging handle trolley, and inside of Trolley Channel in Handguard

Clean and lubricate regularly

Bolt exterior

Clean and lubricate regularly

Firing pin channel

Clean regularly

Extractor pocket

Every 250 rounds or sooner if extractor movement becomes restricted

Baffle stack

Clean as carbon accumulates; more frequently with high-volume use

Outer tube

Clean whenever the suppressor assembly is serviced

End-cap threads

Clean lubricate and inspect during suppressor maintenance

Barrel threads

Clean lubricate and inspect during suppressor maintenance

Silicone sleeve, replace as needed (available at <https://store.fm-products.com/>)

Inspect during cleaning

Complete suppressor assembly

More frequent maintenance after long strings of fire

18. DISCLAIMER

Foxtrot Mike Products is not responsible for damage, injury, or death resulting from misuse, improper use, modification, or use of this product outside its intended purpose. This product may be dangerous if used improperly. Always follow appropriate firearm safety procedures and precautions.

For additional information, visit www.fm-products.com

19. LIFETIME WARRANTY

Foxtrot Mike Products provides a lifetime warranty against manufacturing defects and damage resulting from normal, intended use. At its discretion, Foxtrot Mike Products will repair or replace, free of charge, any covered suppressor manufactured by or for Foxtrot Mike Products.

This warranty does not cover damage or defects resulting from modification, abuse, neglect, improper maintenance, defective or improperly sized ammunition, misuse, criminal conduct, or use outside the product's intended purpose.

Warranty coverage is determined by Foxtrot Mike Products. Except for the warranty expressly stated above, the product is provided "as is" and no other warranties or contractual rights are provided to the extent permitted by applicable law.

20. MOUNTING ACCESSORIES

The ISU-9 Integrally Suppressed Upper Receiver was developed with direct input from Foxtrot Mike Products users. One of the most common concerns with short-barreled 9mm PCC platforms is limited handguard space for both the shooter's support hand and the mounting of lights, grips, switches, and other accessories.

To address this, the ISU-9 features 28 full-size M-LOK® slots, providing substantially more usable mounting space than is typically available on compact 9mm platforms. The 8.6" long handguard is slim and compact, while offering good real estate for users' support hand.

The outside diameter of the ISU-9 suppressor tube is intentionally smaller than many conventional 9mm suppressors. While this reduces the internal suppressor volume, the compact tube diameter allows standard M-LOK nuts and compatible mounting hardware to be installed without requiring removal of the handguard. (FIGURE 20.1)

This design provides a balance of effective sound suppression, compact overall dimensions, generous accessory mounting capability, and an ultra-slim handguard profile.

When installing accessories, always use properly sized M-LOK hardware and verify that mounting screws do not contact or interfere with the suppressor tube or internal components. After installation, confirm that all accessories are securely mounted before using the firearm.

In the event you struggle installing an M-LOK style accessory, you may also opt to:

- 1) Remove the handguard as described in this manual
- 2) Install the M-LOK style accessory
- 3) Re-install the handguard as outlined in this manual

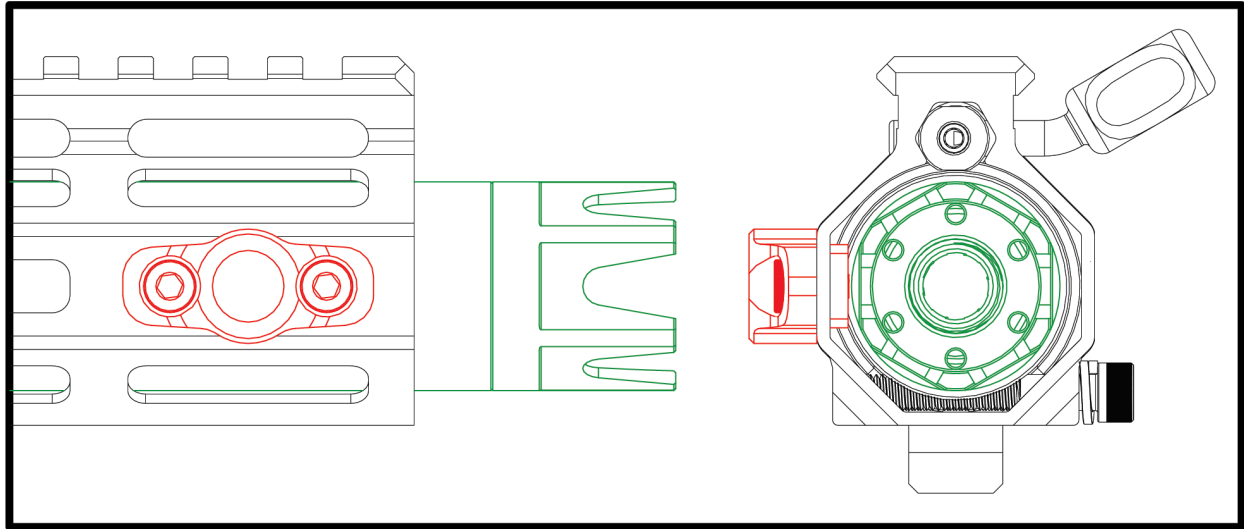


FIGURE 20.1 - M-LOK Accessory Clearance with ISU-9 Tube

21. HEARING PROTECTION

The ISU-9 Integrally Suppressed Upper Receiver is designed to reduce the sound signature of a 9mm firearm; however, no suppressor eliminates firearm noise or the risk of hearing damage.

Foxtrot Mike Products strongly recommends that all shooters and bystanders wear properly rated hearing protection whenever the ISU-9 is fired. Sound levels can vary based on ammunition, firearm configuration, environment, shooting position, and other factors. Firing indoors, near walls or other reflective surfaces, or using certain ammunition may significantly increase the shooter's exposure to harmful sound levels.

The use of a suppressor should never be considered a substitute for appropriate hearing protection.

Users are responsible for exercising good judgment and taking reasonable precautions to protect their hearing and the hearing of those around them. Foxtrot Mike Products assumes no responsibility for hearing loss, hearing damage, or other injury resulting from the failure to use appropriate hearing protection or from disregarding accepted firearm safety practices.

22. EXCESSIVE HEAT RISK

The ISU-9 Integrally Suppressed Upper Receiver can become extremely hot during extended use or long strings of fire. Heat generated by the barrel and suppressor assembly may transfer to the handguard and other exterior surfaces, creating a risk of burns to the shooter or bystanders.

Use caution when handling the ISU-9 during and immediately after firing. Gloves may reduce the user's ability to recognize how much heat has accumulated in the suppressor and handguard and should not be relied upon as an indication that the firearm is safe to touch.

Users should monitor heat buildup, allow adequate cooling time between extended firing sessions, and avoid contact between hot components and skin, clothing, equipment, ammunition, or other heat-sensitive materials.

The user is responsible for exercising good judgment and maintaining safe handling practices to prevent burns, injury to others, or heat-related damage to the ISU-9 Upper Receiver. Foxtrot Mike Products assumes no responsibility for injury or damage resulting from improper handling, excessive heat exposure, or continued operation when the upper receiver has become excessively hot.

23. FULL AUTO USE

With the increased popularity of Full Auto Lower receivers, it is important to understand the additional heat, wear, and maintenance requirements associated with their use.

As discussed throughout this manual, operating any firearm with a suppressor places additional thermal and mechanical loads on the firearm and generally requires a more aggressive maintenance schedule. These conditions are further magnified when the ISU-9 Upper Receiver is subjected to sustained rapid fire, or full-auto fire.

An interesting side note: The US Military recommends that with Continuous, uninterrupted firing on a M28 SAW, at the maximum cyclic rate, operators are advised to swap the barrel *every minute* to prevent warping or catastrophic failure.

Increased Heat and Barrel Damage

Sustained rapid fire can cause barrel temperatures to increase extremely quickly. Testing of AR-pattern firearms has demonstrated that prolonged strings of rapid fire can raise barrel temperatures to levels capable of damaging the barrel, heat treatment, surface treatment, and accuracy in relatively short round counts.

The exact temperature reached will vary depending on ammunition, firing cadence, ambient temperature, barrel condition, and other factors. Users should never rely solely on round count to determine when the ISU-9 Upper Receiver requires cooling.

If the handguard, barrel, suppressor assembly, or other components become excessively hot, immediately cease firing and allow the ISU-9 Upper Receiver to cool completely to ambient temperature before resuming use.

As stated elsewhere in this manual, if any portion of the barrel becomes red or visibly incandescent, firing must cease immediately. Continued operation at these temperatures may permanently damage the barrel and other components.

Accelerated Maintenance Required

Users who choose to operate the ISU-9 Upper Receiver with sustained rapid-fire, or full-auto fire should follow an accelerated inspection, cleaning, and maintenance schedule.

Rapid-fire operation increases:

- Carbon accumulation
- Heat buildup
- Bolt and extractor fouling
- Component wear
- Lubricant breakdown
- Stress on springs, fasteners, and reciprocating components

The ISU-9 should be inspected, cleaned, allowed to cool to ambient temperature, and properly lubricated more frequently when subjected to these operating conditions.

Allowing the firearm to cool completely to ambient temperature after significant heat accumulation is an important part of maintaining safe and reliable operation.

Buffer Requirements for Rapid-Fire / Full-Auto Use

When operating the ISU-9 Upper Receiver in a full-auto or similar high-rate-of-fire configuration, Foxtrot Mike Products requires the use of a heavy dead-blow style buffer, such as the FM Products RMB Recoil Mitigation Buffer, or another buffer specifically approved by Foxtrot Mike Products for this application.

The purpose of the dead-blow buffer is to properly control reciprocating mass and help manage the increased operating forces associated with rapid-fire use.

Foxtrot Mike Products assumes no responsibility for damage, malfunctions, excessive wear, or injury resulting from the use of an unapproved buffer configuration during full-auto or similar high-rate-of-fire operation.

If you are uncertain whether your buffer system is appropriate for use with the ISU-9 Upper Receiver, contact Foxtrot Mike Products before operating the firearm. Full-auto fire dramatically increases heat and component wear.

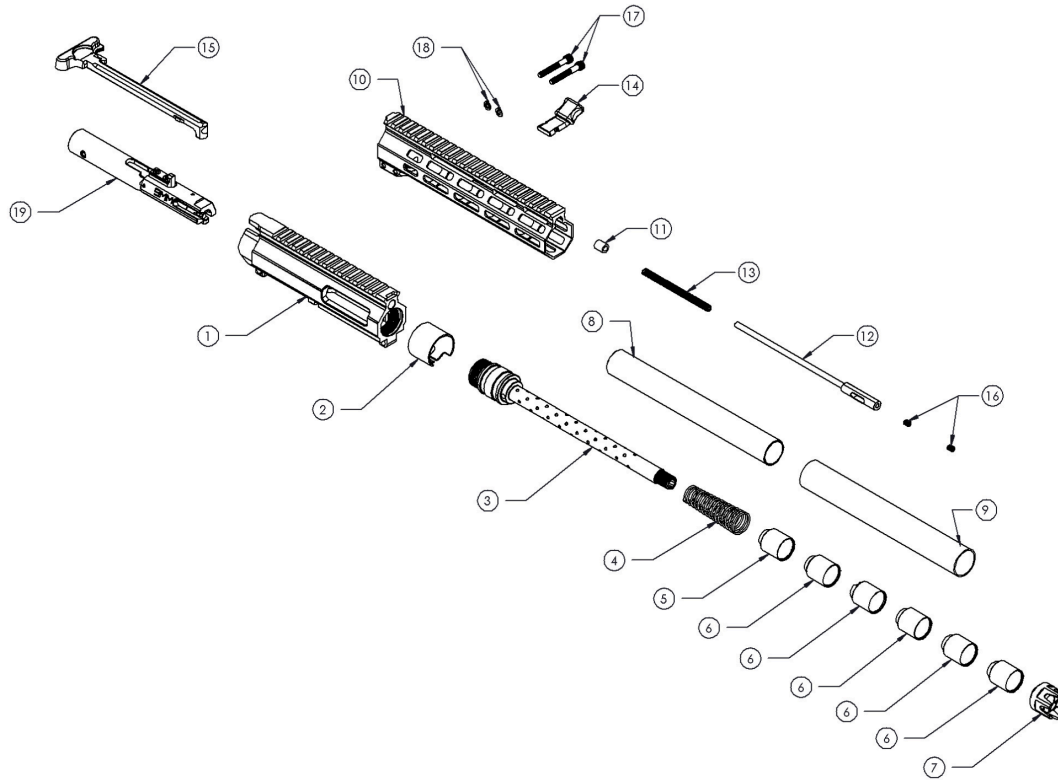
DO NOT CONTINUE FIRING AN OVERHEATED ISU-9 UPPER RECEIVER.

Failure to allow the firearm to cool, failure to perform accelerated maintenance, or operation with an improper buffer system may result in firearm damage, loss of accuracy, malfunction, component failure, or serious personal injury.

Users are responsible for ensuring that any configuration used with the ISU-9 Upper Receiver complies with all applicable federal, state, and local laws and regulations.

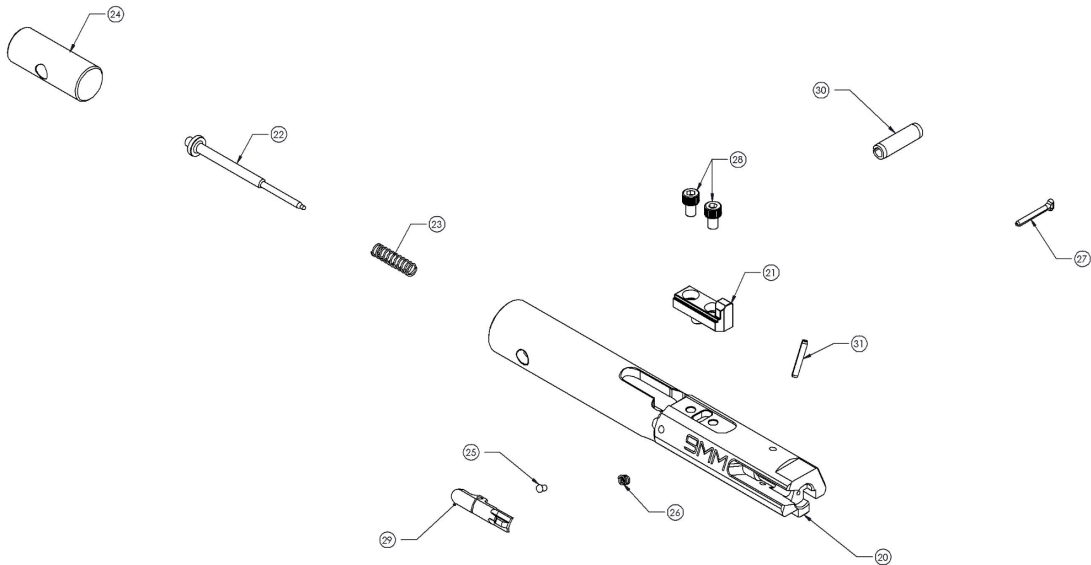
When in doubt, stop using the firearm and contact Foxtrot Mike Products at info@fm-products.com

24. EXPLODED VIEWS



BOM	QTY	PART #	DESCRIPTION
1	1	2407015	UPPER RECEIVER, GEN 1, REV24, DUAL CHARGE
2	1	2511053	COMPRESSION SLEEVE, ISU BARREL
3	1	2509012	BARREL, GEN 1, ISU, 9mm, 10in, .500-28
4	1	2602011	SPRING, BAFFLE, SPACER, ISU, 9mm
5	1	2512022	BAFFLE, ISU, 9mm, .900 OD, .575 ID, STEEL
6	5	2604005	BAFFLE, ISU, 9mm, .900 OD, .575 ID, ALUMINUM
7	1	2511051	INTEGRAL SUPPRESSED, FRONT CAP, 1.00 OD, .500-28 ID, FLASH SUPPRESSOR
8	1	2511013	TUBE, OUTER, 1.00 OD, ISU 9mm
9	1	2511027	SILICONE SLEEVE, 1.00 ID, ISU 9mm
10	1	2511049	ISU HANDGUARD, GEN 1, 8.6in
11	1	2511052	BUSHING, UPPER RECEIVER, GEN 1, ISU

12	1	2511050	CHARGING HANDLE, TROLLEY, ISU
13	1	2104017	SPRING, FRONT CHARGING HANDLE, GEN 1
14	1	2101011	CHARGING HANDLE, GEN 2, 4-POSITION
15	1	8448517	CHARGING HANDLE, REAR, MIL-SPEC
16	2	91385A338	SCREW, SET, GEN 2 CHARGING HANDLE
17	2	90044A202	SCREW, SOCKET, HANDGUARD, ISU
18	2	92146A619	WASHER, SPLIT, HANDGUARD, GEN 2
19	1	2511054	BOLT CARRIER ASSEMBLY, GEN 1, 9mm, REV24



BOM	QTY	PART #	DESCRIPTION
20	1	2407011	BOLT CARRIER, GEN 1, 9mm, REV24
21	1	2407012	CARRIER KEY, REV 24
22	1	2102001	FIRING PIN, PCC
23	1	2104018	SPRING, FIRING PIN, PCC
24	1	2305013	SLUG, BOLT CARRIER
25	1	12972693	BUFFER, EXTRACTOR
26	1	12999901	SPRING EXTRACTOR
27	1	8448504	PIN, RETAINING, FIRING PIN
28	2	8448508	SCREW, CAP, HEX SOCKET HEAD
29	1	8448512	EXTRACTOR
30	1	90692A741	PIN, SPRING, CARRIER SLUG, .250

31	1	98296A849	PIN, SPRING, 9mm EXTRACTOR
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