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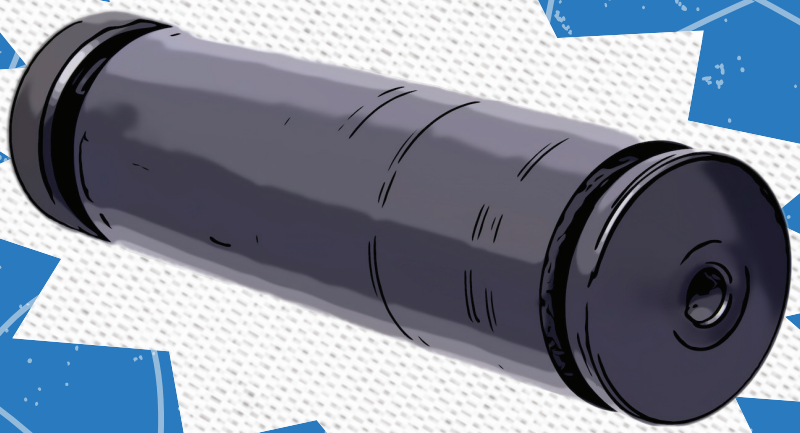
AT ION 762 MG SUPPRESSOR SYSTEM



Operators Manual

MADE IN THE USA

LMT ADVANCED TECHNOLOGIES
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Suppressor System Overview

BACK PRESSURE REDUCING MUZZLE

The AT ION 762MG, or commonly referred to as the Link30, is a robust belt fed weapon suppressor designed to reduce back pressure to the weapon and user while maintaining optimal signature reduction properties. Flash, sound, and environmental disruption are all reduced with the use of this suppressor.

The suppressor design incorporates a low maintenance, fully welded body and quick attach locking collar. These features designed by LMT AT reduce the need for extensive maintenance seen on multi-component suppressors while being easy to operate in hostile environments.

FULLY WELDED SUPPRESSOR BODY

WRENCH FLATS FOR SERVICE TOOL

LOCKING COLLAR MECHANISM

Suppressor System Overview cont.

Included in the ION 762 MG suppressor system is the required muzzle device as well as a specifically designed service tool. See details below about the individual features and their function in regards to system performance.

GAS SEAL TAPER
(PREVENTS CARBON LOCKING)

CONICAL BORE ON MUZZLE DEVICE
(REDUCES FLASH AND ENVIRONMENTAL DISRUPTION)

COARSE SUPPRESSOR THREAD
(REDUCES CHANCE OF DAMAGE WITH NO SUPPRESSOR INSTALLED)

LOCATING TEETH
(ENGAGES PAWLS ON LOCKING SYSTEM FOR SECURE INSTALLATION)

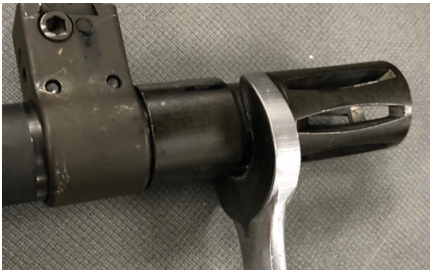
WRENCH FLATS
(FOR DEVICE INSTALL)

DURABLE 3-PIECE DESIGNED WRENCH
(ALLOWS FOR RETENTION OF SUPPRESSOR WHEN HOT AND AIDES IN SAFE HANDLING. LOCKING LEVER INCORPORATED IN HANDLE EASILY SEATS ON SUPPRESSOR WRENCH FLATS).

SYSTEM PART NUMBERS
LOCKING WRENCH: V762MGT
MUZZLE DEVICE: V762MGIFHL

Muzzle Device Installation

STEP 1: REMOVE EXISTING MUZZLE DEVICE.

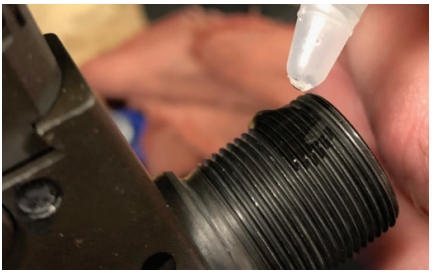


Utilizing available wrench for servicing weapon, remove existing muzzle device. Ensure barrel threads are not damaged in removal.

STEP 2: CLEAN BARREL THREADS

With a standard solvent, such as acetone or MEK, clean the barrel threads using a brush and rag. allow solvent to dry and repeat process as necessary until any oil is removed.

STEP 3: APPLY THREAD LOCKER



It is recommended to apply a small amount of thread locker such as Rocksett to the barrel threads. This will aide in ensuring the muzzle device will remain in place under extreme duty.

STEP 4: INSTALL ION 762 MG MUZZLE DEVICE

Install the muzzle device (V762MG1FHL) to barrel and torque to 40 ft/lb. No shims are required and there is no specific timing needed. Allow 24 hours for thread locker to cure.

Suppressor Installation

STEP I: PREP MUZZLE DEVICE

it is recommended to evenly apply a high-temp copper anti-seize to external threads and the gas seal taper of the muzzle device. Ensure device is clean and free of oil and debris.

STEP 2: PREP LOCKING COLLAR

Before installation, ensure the suppressor lock mechanism is fully into the UNLOCK position as indicated by the arrow on the locking collar. It should point toward the tip of the directional arrow on the suppressor body.

STEP 3: INSTALL SUPPRESSOR

Install suppressor with the following steps:

- Insert suppressor over muzzle device.
- Rotate suppressor counter clockwise (from muzzle end), or follow LOCK directional arrow, till tight on muzzle device.
- Use tool to ensure suppressor is completely seated. Should not rotate further.

Suppressor Installation cont.

STEP 4: LOCKING COLLAR ROTATION

Rotate the locking collar by hand. Locking pawls will engage teeth with a felt and audible “click” into their fully engaged position.

STEP 5: TEST MOUNT SUPPRESSOR

Complete the installation process with a general visual and hand inspection of the suppressor and its engagement on the weapon system. Suppressor should not feel loose and no teeth on the muzzle device should be showing. A fully installed and secure suppressor will be concentric with the bore of the weapon barrel. Your suppressor is now ready to fire.

Suppressor Removal

STEP I: PREP LOCKING COLLAR

Rotate the locking collar to the UNLOCK position as indicated by the arrow direction and its final position pointed at the tip of the suppressor body arrow.

STEP 2: ENGAGE LOCKING WRENCH

Utilize the locking wrench over the wrench flats to engage the suppressor. This will ensure positive retention when hot and aide in breaking any “locking” experienced from excessive use.

STEP 3: ROTATE SUPPRESSOR

Close retaining jaw on tool if not already. Rotate the suppressor clockwise (from the muzzle) or in the direction of the UNLOCK arrow.

Maintenance

CLEANING:

- MINIMUM RECOMMENDED CLEANING CYCLE IS EVERY 4,000 ROUNDS.
- ALLOW SUPPRESSOR TO SOAK IN CLR FOR A FEW HOURS TO BREAK DOWN LARGE CARBON DEPOSITS.
- UTILIZE A PICK FROM A STANDARD WEAPON CLEANING KIT TO ENSURE VENT HOLES ARE FREE OF CARBON, DIRT, DEBRIS, OR ANY OTHER OBSTRUCTIONS.
- USE A BRUSH AND CLP TO CLEAN THE INTERNAL THREADS OF THE SUPPRESSOR AND THE PAWLS OF THE LOCKING MECHANISM.
- CONSERVATIVE APPLICATION OF OIL TO THE LOCKING COLLAR ITSELF IS RECOMMENDED.
- CLEANING OF THE MUZZLE DEVICE IS SIMILAR TO THE INTERNAL OF THE SUPPRESSOR. SCRAPE OFF BUILT UP CARBON IF ANY IS PRESENT. A QUICK APPLICATION OF CLR TO BREAK DOWN ANY ADDITIONAL CARBON FOLLOWED BY CLEANING WITH CLP AND A BRUSH. DRY DEVICE OF EXCESS OIL TO PREVENT ATTRACTING DIRT WHEN SHOOTING UNSUPPRESSED.
- ONCE CLEANED, TEST FIT SUPPRESSOR FOR FULL ENGAGEMENT AND LOCK UP.

CARE:

- DO NOT DROP SUPPRESSOR DIRECTLY ONTO BASE OR MUZZLE. IF DROPPED, TEST FIT LOCK UP FOR PROPER RETENTION AND CHECK BORE ALIGNMENT TO PREVENT END CAP STRIKES.
- PROTECTIVE FINISH MAY BE COMPROMISED WITH EXTENDED FIRING SCHEDULES. THIS WILL NOT AFFECT THE LIFE OR PERFORMANCE OF THE SUPPRESSOR SYSTEM.
- DURING FIELD USE, IF SUPPRESSOR IS SUBMERGED IN MUD OR SIMILAR MATERIAL, CLEAN AS BEST AS POSSIBLE BEFORE CONTINUING USAGE.

STORAGE:

- WHEN NOT IN USE. STORE SUPPRESSOR IN A CLEAN DRY CONTAINER OR CARRYING CASE TO PREVENT DEBRIS FROM ENTERING THE LOCKING THREADS ON THE INSIDE OF THE SUPPRESSOR OR INTO THE BAFFLES OF THE SUPPRESSOR BODY.
- KEEP TOOL AND SUPPRESSOR TOGETHER TO AIDE IN RAPID EMPLOYMENT OF UNIT.

Maintenance cont.

INSPECTION:

- DURING CLEANING CYCLES, INSPECT WELDS FOR CRACKS OR FRACTURES.
- HAND CYCLE THE LOCKING COLLAR TO ENSURE FULL TRAVEL.
- INSPECT THE MUZZLE DEVICE AND LOOK FOR ANY DAMAGE TO THE GAS SEAL OR LOCKING THREADS. ANY LARGE BURRS OR CHIPS IN SURFACE MAY AFFECT LOCK UP AND PERFORMANCE.
- CHECK MUZZLE OF THE SUPPRESSOR PERIODICALLY FOR BAFFLE STRIKES. A BAFFLE STRIKE WILL BE INDICATIVE OF A LARGER ISSUE AND COULD MEAN IMPROPER INSTALLATION OR A DAMAGED SUPPRESSOR BAFFLE.
- DURING FIELD USE, PERIODICALLY CHECK MUZZLE AND VENTED CAP FOR DIRT AND DEBRIS BUILD UP. LIGHT DEBRIS WILL BE EJECTED UNDER FIRE AND WILL NOT BE AN ISSUE, HOWEVER PERFORMANCE MAY BE AFFECTED BY LARGER DEPOSITS.
- IT MAY BE RECOMMEND DURING LONG PERIODS OF SUPPRESSOR USE TO OCCASIONALLY REMOVE AND REINSTALL THE SUPPRESSOR TO MAKE SURE LOCKING SYSTEM IS FULLY OPERATIONAL AND BREAK AND CARBON LOCK THAT MAY HAVE OCURRED AND PREVENT EXCESSIVE BUILD UP. IF ANY DEFORMATIONS, CRACKS, OR FAILURES TO THE LOCKING SYSTEM ARE NOTED, DISCONTINUE SERVICE OF SUPPRESSOR AND HAVE ARMORER ADVISE ON CONTINUED USAGE OR REPLACEMENT PROCEDURES.

Performance

CYCLIC RATE:

- RATE OF FIRE MAY INCREASE SLIGHTLY WITH USE OF THE SUPPRESSOR SYSTEM. WHILE IT IS NOT REQUIRED, USERS MAY ADJUST THEIR GAS SYSTEM FOR ACHIEVING DESIRED CYCLIC RATE.

POI (POINT OF IMPACT) SHIFT:

- POI SHIFT WHEN UTILIZING THE ION 762 MG HAS BEEN NOTED. IN MOST CASES, THE APPROXIMATE SHIFT IS 3 MOA.
- USER SHOULD ALWAYS TEST FIRE AFTER INSTALLATION OF SUPPRESSOR TO DETERMINE POI SHIFT AND NOTE IN WEAPON LOG.
- USER SHOULD ADJUST SIGHTING SYSTEM TO MEET NEW POI AGAINST POINT OF AIM (POA).
- DIFFERENT BARREL LENGTHS MAY EXHIBIT DIFFERENT AMOUNTS OF POI SHIFT.

SERVICE LIFE:

- SERVICE LIFE OF THE SUPPRESSOR SYSTEM WILL DEPEND GREATLY ON THE FIRING SCHEDULE AND ADHERENCE TO MAINTENANCE SCHEDULE.
- USERS MUST PROPERLY MAINTAIN THE SUPPRESSOR TO ENSURE LONG LIFE AND MAY WANT TO INCREASE FREQUENCY OF MAINTENANCE DEPENDING ON AMOUNT OF FIRE EXPERIENCED.
- TYPICAL SERVICE LIFE IS AROUND 30,000 ROUNDS WITH REGULAR MAINTENANCE
- SERVICE LIFE OF THE MUZZLE DEVICE IS 15,000 ROUNDS
- ALL US SPECIFIED 7.62 BELT FED AMMO IS APPROVED FOR USE IN THE ION 762 MG SUPPRESSOR SYSTEM. IF EXTENDED USE OF TRACER OR HIGH PRESSURE AMMO IS ENCOUNTERED, INCREASE MAINTENANCE CYCLES TO PREVENT ADDITIONAL INTERNAL CARBON BUILD UP.

User Notes

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