

**VERY IMPORTANT: save this booklet. Carefully read all of the cautions and instructions in this manual before using your new Morita firearm.**

# **TW-201-S**

**MORITA | TW-201-S  
Assault Rifle w/  
underbarrel  
Shotgun**



***Pavel Golovin***



# OPERATOR'S MANUAL

## MORITA TW-201-S ASSAULT RIFLE



### (MORITA I / STANDARD INFANTRY RIFLE)

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Mobile Infantry Ordnance Department  
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## TABLE OF CONTENTS

1. Disclaimer, Identification and Distribution Statement
2. Introduction
3. Specifications
4. Construction and Operating Principles
5. Standard Issue Kit (SP-1)
6. Partial Disassembly
7. Reassembly After Partial Disassembly
8. Full Disassembly (Ordnance Personnel Only)
9. Cleaning and Lubrication
10. Magazine Loading and Charging Procedure
11. Unloading Procedure
12. Firing Modes and Selectors
13. Malfunctions and Corrective Actions
14. Service Life Limits
15. Storage and Preservation
16. Prohibited Modifications and Actions
17. Appendix A – Authorized Ammunition List
18. Appendix B – Sight Compatibility Table
19. Final Provisions
20. Revision History

# 1. DISCLAIMER, IDENTIFICATION AND DISTRIBUTION STATEMENT

## 1.1 Disclaimer (Fan Publication Notice)

This document is a fan-created fictional publication for the Starship Troopers enthusiast community. It does not represent an actual firearm or official military manual. Nothing in this document shall be interpreted as instructions for modifying, handling, or operating real weapons. The United Citizen Federation, Mobile Infantry, Morita Arms Company and all related elements are trademarks of their respective rights holders. This document is not sponsored, endorsed, or authorized by any governmental or military entity.

## 1.2 Illustrations Notice

The sketches, diagrams, and stylized technical illustrations contained in this document were created specifically for this fan publication as in-universe visual materials. The illustrations are AI-assisted artist's interpretations and do not constitute real engineering diagrams, blueprints, or technical drawings. They are presented for narrative and aesthetic purposes only within the Starship Troopers fan community. No illustration shall be interpreted as an instruction for manufacturing, modifying, or repairing any real-world device or weapon.

## 1.3 Document Identification

- Document ID: MI-ORD-TW201S-OM-2192-R4
- NSN: 1005-41-278-9314
- Index: TW-201-S-MI
- Revision: 4
- Issue Date: 1 May 2192 (supersedes all previous editions)

## 1.4 Distribution Statement

Authorized for issue to Mobile Infantry personnel (E-2 and above) assigned to frontline units, training companies, and Federal Armories. Distribution to civilian personnel, mercenary formations, and non-Federal forces is prohibited without written authorization from the Mobile Infantry Ordnance Department, Casper Base, Terra.

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## 2. INTRODUCTION

### 2.1 Purpose

This Operator's Manual (OM) provides technical instructions for the operation, maintenance, and limited field repair of the Morita TW-201-S assault rifle (hereinafter referred to as the "Weapon" or "TW-201-S").

### 2.2 Design Role

The Weapon is a dual-barrel combination system (rifle/shotgun) in a bullpup configuration:

- Upper Weapon System: Selective-fire, gas-operated, self-loading rifle.
- Lower Weapon System: Manually operated pump-action shotgun.

The Weapon is intended to engage Arachnid-class targets (all subspecies), Warrior-class targets, and other unarmored or lightly armored hostile entities opposing the United Citizen Federation.

### 2.3 Permitted Environmental Conditions

Condition	Range / Limit
Ambient temperature	-40°C to +60°C
Relative humidity	Up to 98% at +30°C
High dust concentration	Sandstorms, volcanic ash
Short-term vacuum exposure	Up to 4 hours (atmospheric insertion) – requires V-Lube (Section 9)
Acidic atmospheres	Arachnid hemolymph, ammonia vapors

### 2.4 Hydrogen Sulfide (H<sub>2</sub>S) Environments

When operating in atmospheres containing H<sub>2</sub>S above 0.3%:

- Use only nickel-plated case ammunition (Appendix A).
- Set gas regulator to "H<sub>2</sub>S" position (Section 4.5) before entering contaminated zone.

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### 3. SPECIFICATIONS

Parameter	Value
Caliber (Upper Barrel)	5.56×45mm NATO (.223 Remington)
Caliber (Lower Barrel)	12 Gauge (18.5×69mm)
Overall Length	815 mm
Barrel Length (Upper)	420 mm
Barrel Length (Lower)	365 mm
Weight (empty, no magazine)	4.15 kg
Weight (loaded: 60+8 rounds)	5.15 kg
Cyclic Rate (Upper Barrel)	750 ± 30 rpm
Muzzle Velocity (5.56×45mm M193)	975 m/s
Muzzle Energy	1,750 J
Effective Range (Upper, Arachnid joints)	300 m
Maximum Range (Upper, projectile)	1,200 m
Effective Range (Lower, buckshot)	15 m
Maximum Range (Lower, slug)	60 m
Magazine Capacity (Upper)	60 rounds (quad-stack)

Tubular Magazine Capacity (Lower)	8 rounds (12 gauge)
Firing Modes (Upper Barrel)	SAFE / SEMI / 3-RD BURST / AUTO
Standard Sights	Iron (post + diopter). Picatinny MIL-STD-1913 rail
Trigger Pull	2.8 – 3.6 kgf
Barrel Service Life (Upper)	20,000 rounds
Barrel Service Life (Lower)	4,000 (buckshot) / 6,000 (slug)
Mean Rounds Between Failure (MRBF)	2,200 rounds (with correct cleaning schedule)

## 4. CONSTRUCTION AND OPERATING PRINCIPLES

### 4.1 Main Components

1. Upper Receiver Assembly – with installed barrel, gas piston system (three-position regulator: N / D / H<sub>2</sub>S), bolt carrier, and return mechanism (licensed Ruger AC-556 design).
2. Lower Receiver Assembly – Ithaca 37-based pump mechanism with forend charging handle.
3. Bullpup Stock – polymer reinforced with carbon fiber (modified Muzzelite MZ14).
4. Single Fire Control Module (FCM) – with mechanical channel selector (RIFLE / SHOTGUN) located above the trigger guard.
5. Box Magazine (upper channel).
6. Tubular Underbarrel Magazine (lower channel).
7. Combined Muzzle Brake/Compensator – M60 pattern.

### 4.2 Upper Barrel Operation

Gas-operated, rotating bolt. Propellant gases are diverted through a port in the barrel into the gas cylinder, acting upon a piston which pushes the bolt carrier rearward. The bolt carrier unlocks the bolt, extracts and ejects the spent case, and cocks the hammer. The return spring drives the bolt carrier forward, chambering a fresh round from the magazine.

### 4.3 Lower Barrel Operation

Manually operated pump-action. Moving the forend rearward opens the chamber; the extractor removes the fired case (or unfired round). Moving the forend forward chambers a fresh round from the tubular magazine.

### 4.4 Channel Selection (RIFLE / SHOTGUN)

Mechanical selector lever on the left side of the FCM:

- RIFLE (forward) – striker strikes the upper channel primer.
- SHOTGUN (rearward) – striker strikes the lower channel primer.

Channel selection is permitted before or after loading, but not while the trigger is depressed.

#### 4.5 Upper Barrel Gas Regulator

Located at the front of the receiver, under the forend. Three positions, adjustable using a punch or bullet tip:

Position	Marking	Application
Normal	N	Clean atmosphere, normal dust
Dust	D	Heavy dust / volcanic ash (increased gas cylinder purge)
Acid	H <sub>2</sub> S	Hydrogen sulfide or acidic atmosphere (gas system sealed, cyclic rate reduced to 550 rpm to minimize corrosion)

## 5. STANDARD ISSUE KIT (SP-1)

Upon issuance, the soldier shall verify the presence of:

Quantity	Item
1	Morita TW-201-S Rifle
10	Box Magazine (60 rounds, quad-stack)
1 set	Cleaning rod, sectional (4 pieces)
1	Bore brush, upper (5.56mm)
1	Bore brush, lower (12ga)
1	Universal punch
1	Oil bottle – synthetic lubricant "Lube-S" (50 ml)

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1	Oil bottle – neutral enzyme cleaner "Chitin-Away" (100 ml)
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1 pack	Lint-free cloth (pack of 10)
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1	Sling (nylon, 25mm width)
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\*Data record book is issued separately per Ordnance Department Order No. 112/2191.\*

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## 6. PARTIAL DISASSEMBLY

Partial disassembly is required for cleaning, lubrication, and inspection:

- After each combat drop (immediately upon return)
- Before storage in the armory exceeding 24 hours
- When changing lubricant type
- Before entering a corrosive environment (H<sub>2</sub>S mode)

Procedure:

1. Remove the upper channel box magazine. Depress the magazine catch (left side of receiver, forward of trigger guard) and withdraw the magazine with a downward twisting motion.
2. Pull the charging handle fully rearward. Visually and manually verify the upper chamber is empty. Press the trigger (decock the FCM). Slowly return the bolt carrier to the forward position.
3. Set channel selector to SHOTGUN. Move the pump forend fully rearward. Visually verify through the lower ejection port (right side of receiver) that the lower chamber is empty. Move the forend fully forward until locked.
4. Confirm both channels are empty. Repeat steps 2 and 3 twice.
5. Using the punch from the SP-1 kit, drive out the FCM retaining pin (located behind the trigger guard, left side of stock). Remove the complete fire control module by pulling rearward and downward.
6. Separate the receiver from the stock. Drive out the front pin (passes through stock beneath gas piston). Pull receiver forward and upward, separating it from the stock guide rails.
7. Remove bolt carrier and bolt from receiver. Pull the bolt carrier rearward via the charging handle, lift the rear section, and withdraw.
8. Separate bolt from bolt carrier. Rotate bolt 90° counterclockwise relative to the bolt carrier, then pull forward.
9. Remove return mechanism (spring + guide rod) from the rear recess of the receiver.
10. Remove gas piston and pushrod. Pull piston forward and withdraw from the gas cylinder.
11. (Optional, for heavy fouling or H<sub>2</sub>S transition) Remove gas regulator. Rotate fully counterclockwise and pull forward.

Partial disassembly is complete.

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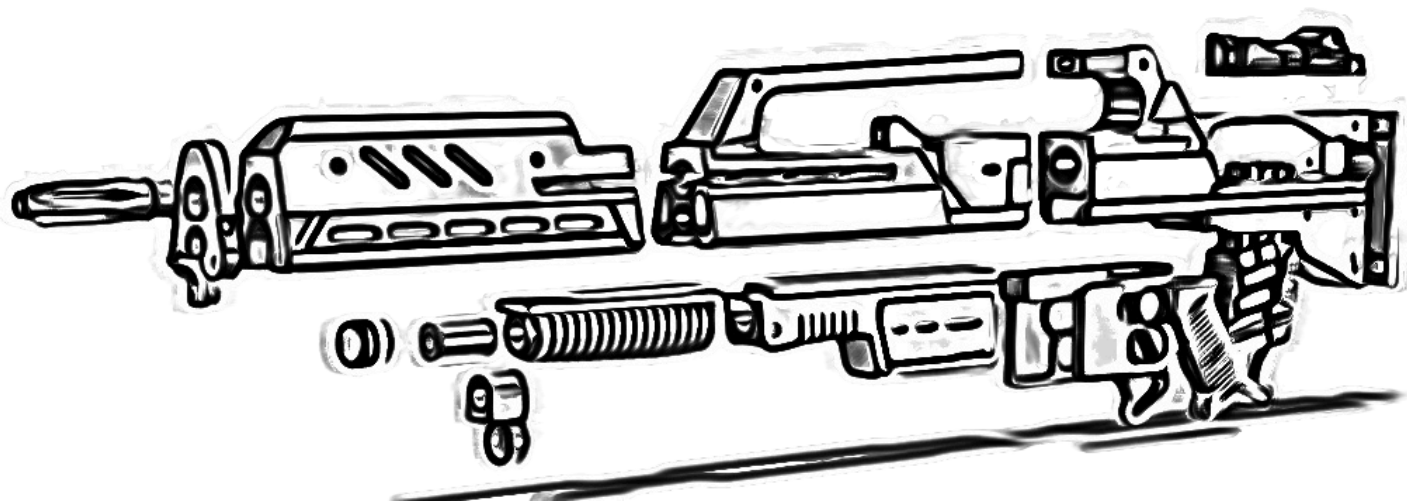
## 7. REASSEMBLY AFTER PARTIAL DISASSEMBLY

Reassemble in reverse order. Pay special attention to:

1. Before installing the gas piston, lubricate its working surface per Section 9.
2. The bolt must lock into the bolt carrier with an audible click. Verify by rotation.
3. When installing the return mechanism, ensure the guide rod seats fully into the recess in the rear receiver wall.
4. Before installing the FCM, verify the sear and hammer are cocked (if necessary, manually cock using thumb).
5. After reassembly, perform a function check:
  - When retracting the bolt (trigger depressed), the bolt carrier must lock open on the bolt catch.
  - When the trigger is released and pressed again, the bolt carrier must move forward under return spring pressure.
  - When the channel selector is set to SHOTGUN and the pump forend is cycled, the mechanism must move smoothly without binding.

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## 8. FULL DISASSEMBLY (ORDNANCE PERSONNEL ONLY)



Full disassembly shall only be performed in authorized armories by Mobile Infantry Ordnance personnel (minimum qualification: Class 2 Armorer).

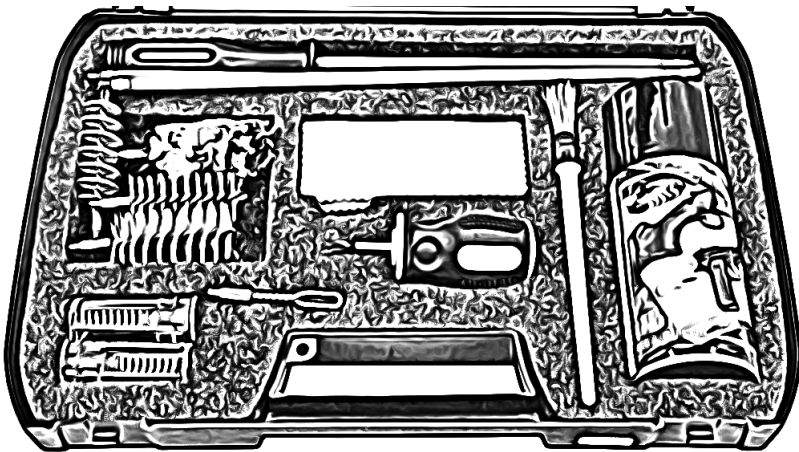
Full disassembly by enlisted personnel is PROHIBITED and constitutes a violation of Section 16 of this Manual.

Full disassembly operations include:

- Removal of barrels from receivers
- Complete disassembly of the FCM (sear, springs, trigger removal)

- Disassembly of the gas regulator into component parts
  - Replacement of rivets and retaining pins
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## 9. CLEANING AND LUBRICATION



### 9.1 Cleaning Frequency

- Immediately after each drop – mandatory, regardless of round count.
- In high-dust environments (Klen'dath, P-class "Ash" planets) – every 6 hours of continuous operation.
- After exposure to acidic Arachnid blood or atmosphere with pH < 4.5 – immediately, using neutralizing solution (Section 9.2.2).

### 9.2 Cleaning Procedure (Neutral Environment)

#### 9.2.1 Perform partial disassembly (Section 6).

#### 9.2.2 Removal of organic deposits (chitin, hemolymph):

- Saturate the appropriate caliber bore brush with "Chitin-Away" neutral enzyme cleaner.
- Scrub the bore with 3–4 passes.
- Allow the solution to remain in the bore for 2 minutes (to break down chitin fibers).
- Wipe dry with a clean cloth.
- Alkaline or acidic solutions are prohibited – they damage the chrome lining and polymer seals.

### 9.2.3 Removal of powder fouling:

- Standard 5.56mm bore brush + synthetic "Lube-S" oil (non-enzyme).
- Perform 5–7 full-length strokes.
- Replace brush with cloth, wipe dry to a mirror finish.

### 9.2.4 Clean gas cylinder, gas piston, and pushrod:

- Use a wooden stick or brass brush.
- Remove carbon deposits from gas cylinder walls. Do not use steel tools.
- For H<sub>2</sub>S mode – additionally wipe the gas cylinder with a cloth moistened with neutralizer (1 part "Chitin-Away" to 5 parts water).

9.2.5 Clean bolt carrier, bolt, and accessible FCM components using a cloth. Use a wooden stick for hard-to-reach areas.

9.2.6 Clean the receiver and stock externally with a damp (not wet) cloth.

## 9.3 Lubrication

### 9.3.1 Use only authorized lubricants:



- Lube-S (synthetic, general issue) – normal conditions, -20°C to +60°C
- Arctic-S (synthetic, low-temp) – conditions below -20°C (request separately)
- V-Lube (vacuum-grade) – atmospheric insertions (issued per manifest)

Organic oils (vegetable, animal) and civilian mineral greases are prohibited.

### 9.3.2 Apply a thin, even coat of lubricant to:

- Bolt face (minimal, remove excess)
- Bolt locking lugs
- Bolt carrier guide rails
- Gas piston (entire surface)
- Barrel at stock contact point
- Sear and trigger pivot pins (1 drop each through access holes)

9.3.3 Remove excess lubricant with a cloth. Over-lubrication in the gas system causes piston seizure at low temperatures.

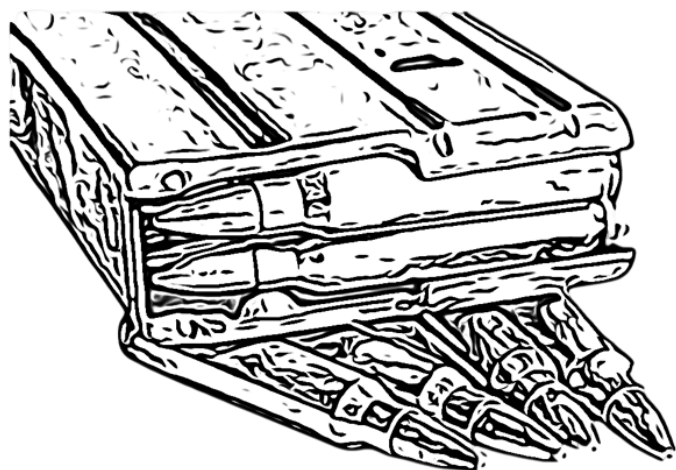
#### 9.4 Acidic Environment Cleaning (Emergency Protocol)

If the Weapon has been exposed to acidic blood or atmosphere with pH < 4.0:

- Flush all metal parts with neutralizing solution (1 part "Chitin-Away" to 3 parts water).
- Dry with hot air (drop boiler nozzle permitted at 30 cm distance, air temperature < 70°C).
- Completely relubricate per Section 9.3.
- Record unscheduled cleaning in the data record book.

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## 10. MAGAZINE LOADING AND CHARGING PROCEDURE



### 10.1 Loading Box Magazine (Upper Channel)

- Hold the magazine in the left hand (feed lips up). With the right hand, load cartridges in a staggered column, using the thumb to seat each fully.
- Maximum capacity: 60 cartridges (quad-stack design). Do not exceed.
- For storage exceeding 7 days, unload the magazine or load no more than 20 cartridges to prevent spring fatigue.

### 10.2 Loading Tubular Magazine (Lower Channel)

- Set channel selector to SHOTGUN.
- Move the pump forend fully rearward (chamber open).
- Insert 12-gauge cartridges into the loading port (lower receiver) rim-first, pushing each until the retainer clicks.
- Maximum capacity: 8 cartridges.
- To chamber the first round: move the forend fully forward.

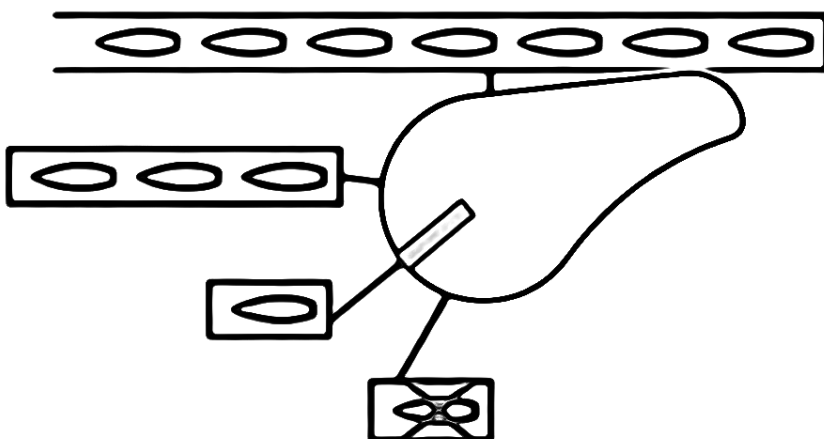
### 10.3 Charging the Weapon (Complete)

- Verify the upper barrel fire mode selector is set to SEMI.
- Set channel selector to RIFLE.
- Insert the loaded box magazine into the magazine well until the catch engages (audible click). Pull down on the magazine to verify retention.
- Pull the charging handle fully rearward and release. The bolt carrier must strip a cartridge from the magazine and chamber it.
- Set the fire mode selector to the desired position (SAFE / SEMI / 3-RD BURST / AUTO).
- The Weapon is ready to fire from the upper channel. To fire from the lower channel, move the channel selector to SHOTGUN.

## 11. UNLOADING PROCEDURE

1. Set the upper barrel fire mode selector to SAFE.
2. Set channel selector to RIFLE.
3. Remove the box magazine (depress catch, withdraw downward).
4. Pull the charging handle fully rearward. Retrieve the cartridge ejected from the chamber.
5. Visually and manually verify the upper chamber is empty.
6. Press the trigger (decock the FCM). Return the bolt carrier to the forward position.
7. Set channel selector to SHOTGUN.
8. Move the pump forend fully rearward. Retrieve the 12-gauge cartridge ejected from the lower chamber.
9. Visually verify the lower chamber is empty.
10. Repeat steps 4–9 twice for each channel.
11. Confirm the Weapon is completely free of ammunition.
12. Perform partial disassembly for cleaning (Section 6).

## 12. FIRING MODES AND SELECTORS



### 12.1 Upper Barrel Fire Mode Selector

Located on the left side of the stock, above the pistol grip. Four positions:

Position	Marking	Mode
Fully Up	AUTO	Automatic (continuous fire while trigger depressed)
One click down	3	Fixed 3-round burst per trigger pull
Two clicks down	SEMI	Semiautomatic (one round per trigger pull)
Fully Down	SAFE	Trigger locked, weapon safe

## 12.2 Mode Switching

Mode switching is permitted only with the hammer cocked (after charging or cycling the bolt). On-the-move switching with the shooting hand thumb is authorized.

## 12.3 Channel Selector (RIFLE / SHOTGUN)

Left side of the FCM, above the trigger guard:

- RIFLE (forward) – FCM strikes the upper channel firing pin.
- SHOTGUN (rearward) – FCM strikes the lower channel firing pin.

Do NOT move the channel selector while the trigger is depressed.

## 12.4 Recommended Engagement Modes

Distance	Target Type	Recommended Mode
0–15 m	Arachnid swarm, close quarters	Lower barrel (shotgun)
15–300 m	Warrior Bug (joints), Tanker Bug (exposed tissue)	Upper barrel, 3-round burst
300+ m	Single target, covering withdrawal	Upper barrel, SEMI
Hive/CQB	Confined space, multiple targets	Lower barrel + AUTO (upper) as needed

# 13. MALFUNCTIONS AND CORRECTIVE ACTIONS

Malfunction	Symptoms	Probable Cause	Corrective Action
Upper channel misfire	Trigger pulled – click, no bang	1. Bad ammunition 2. Firing pin broken 3. Chamber fouling 4. Selector not on RIFLE	1. Cycle manually. If repeated, discard round. 2. Replace firing pin (armorer) 3. Clean chamber 4. Move selector
Upper channel failure to feed	Bolt carrier stops 10–15 mm short	1. Chamber/feedway fouling 2. Guide rails dirty 3. Weak return spring	1. Clean 2. Clean rails 3. Replace spring (armorer)
Lower channel misfire	Trigger pulled – click, no bang	1. Round not fully chambered (pump not fully forward) 2. Selector not on SHOTGUN	1. Strike forend forward firmly 2. Move selector
Pump mechanism unlock	Forend moves rearward 2–3 cm after chambering	Pump retainer worn	Cease operation. Turn in to armorer.
Bolt carrier fails to lock open	Bolt stays forward after last round	1. Bolt catch fouled 2. Magazine follower worn	1. Clean 2. Replace magazine
Uncontrolled burst in SEMI	2–3 rounds per trigger pull	Sear worn (EMERGENCY)	Cease operation. Replace FCM (armorer).

Chitin buildup between channels	Pump binds, bolt carrier drags	Biomass in technical gap	Clean with wooden stick or enzyme spray. No hammering.
Failure to extract (upper)	Spent case remains in chamber	Extractor dirty/broken	Clean chamber. If persistent, replace extractor (armorer).

## 14. SERVICE LIFE LIMITS

Component	Service Life	Note
Upper barrel	20,000 rounds	Check with 0.2 mm feeler gauge at muzzle
Lower barrel	4,000 (buck) / 6,000 (slug)	Visual inspection (scoring, ovality)
Return spring (upper)	8,000 rounds	Scheduled replacement
FCM hammer spring	10,000 rounds	Scheduled replacement
Magazine follower spring	10,000 cycles	Replace magazine or spring
Gas piston	8,000 rounds	Check for play
Pump and gas regulator rubber seals	6 months / 2,000 rounds	Scheduled replacement (armorer)
Mean Rounds Between Failure (MRBF)	2,200 rounds	When cleaning/lube schedule followed

Operation beyond specified service life limits places the Weapon in a pre-failure condition. Further operation requires written company commander approval.

## 15. STORAGE AND PRESERVATION

### 15.1 Short-Term Storage (up to 14 days) – Armory storage aboard ship or base:

- Unloaded (Section 11)
- Magazines removed (box and tubular empty)
- "Lube-S" working lubricant applied
- Vertically (muzzle up) in individual rack

### 15.2 Long-Term Storage (14 days to 6 months)

- Perform complete cleaning per Section 9.
- Apply "Inhibitor-C" preservative lubricant:
  - Bores – generously, then plugged (paper wad + silica gel cartridge, muzzle cap)
  - External metal surfaces – thin coat
  - FCM and bolt group – disassemble to partial level, coat each part, reassemble
- Seal in a moisture-proof polyethylene bag with humidity indicator (15 g silica gel).
- Tag shall indicate: preservation date, soldier's name, armorer signature, next inspection date.

### 15.3 Periodic Inspection During Long-Term Storage

Interval	Action
Every 30 days	Unpreserve, visual inspection, clean, represerve
Every 90 days	Unpreserve, partial disassembly, function check, replace silica gel
Every 180 days	Full armorer disassembly, part evaluation, replace rubber seals

### 15.4 Field Storage (Camp, Outpost, Hive)

- The Weapon shall remain with the soldier 24/7.
- Between actions – slung over the shoulder, muzzle brake down.
- Do not lean the Weapon against walls, vehicles, or place it on bare ground. Grounding permitted only on a poncho or load-bearing equipment.
- Acid rain or ammonia vapors – immediately wipe external surfaces with a cloth moistened with neutral enzyme cleaner (1:5 dilution), then dry.

## 16. PROHIBITED MODIFICATIONS AND ACTIONS

The following are **STRICTLY PROHIBITED**:

1. Altering barrel length of either channel (including grinding the muzzle brake or shotgun barrel shortening).
2. Installation of sighting devices not listed in Appendix B (civilian red dots without >15 g shock rating, any sights without IP67 dust/water protection).
3. Replacement of the stock, buttstock, or forend with non-standard parts (including tactical grips, lights, lasers) without written company commander approval and armory certification.
4. Modifications to the FCM (reducing trigger pull, removing auto-sear, locking selector, altering sear geometry).
5. Use of ammunition not listed in Appendix A. Armor-piercing ammunition without certification (accelerated barrel wear) and any ammunition with bi-metal (non-brass/non-nickel) cases in H<sub>2</sub>S environments are especially prohibited.
6. Self-performed full disassembly (FCM disassembly, barrel removal from receivers, gas regulator ring disassembly).
7. Use of aggressive chemical cleaners (alkalis, acids, acetone-based solvents) – only authorized neutral enzyme cleaner "Chitin-Away".

Disciplinary Consequences: Discovery of unauthorized modifications during scheduled inspection (performed by the armorer every 30 days and before each planned drop) is grounds for:

- Disciplinary action per Federal Military Code of Justice (Article 147 – reduction to Private)
- Monetary deduction of repair costs (Ordnance Department Order No. 734/12)
- Unscheduled recertification on equipment knowledge

## 17. APPENDIX A – AUTHORIZED AMMUNITION LIST

### 17.1 Upper Channel (5.56×45mm NATO / .223 Remington)

Type	Designation	Case	Application
Ball (FMJ)	M193	Brass (nickel-plated for H <sub>2</sub> S)	Standard (Warrior Bug joints)
Expanding (HP)	M193-HP	Brass	Larvae, close range (increased stopping power)
Tracer	M196	Brass	Target designation, fire correction

Armor Piercing	M995 AP	Nickel-plated steel/brass	By special authorization only (Tanker Bug, chitin penetration)
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Prohibited: Bi-metal case ammunition (Oregon campaign, 2187–2190 production) – causes chambering jams and corrosion in acidic environments.

### 17.2 Lower Channel (12 Gauge, 18.5×69mm)

Type	Designation	Application
Buckshot (00 Buck, 9 pellets)	M257	Swarm engagement up to 15 m (standard)
Trench buckshot (15 pellets, reduced charge)	M258	Infected targets, hive fighting (reduced recoil)
Slug (20 g)	M259	Breaching obstacles, single hard targets
Illuminating (20 sec, no thermal signature)	M260	Special version – Vanguard only (thermal gloves mandatory)

## 18. APPENDIX B – SIGHT COMPATIBILITY TABLE

Sight Type	Model (NSN)	Compatibility	Mount	Note
Iron (standard)	–	All variants	Integral	No maintenance, vacuum-rated
Reflex/Red Dot	Reflex T-1 (1005-41-3452210)	Mk I, Carbine, Vanguard	Picatinny	Hive combat. Battery CR2032, 500 hr life, 20 g rated
Optical 1.5x	Mag Optic M150 (1005-41-5678331)	Carbine (Fleet)	Picatinny	Standard for TW-201-C Carbine

Optical 4x	Small Scope (Morita LMG)	Mk I (after adaptation)	Picatinny (adapter)	Zeroing required at armory
Thermal	Vanguard TWS (1005-41-8904523)	Vanguard only	Special	Not for Mk I (power/data bus incompatible)

Installation of supplemental sights shall be performed by the armorer only. Unauthorized installation is punishable per Section 16.

## 19. FINAL PROVISIONS

**19.1** This Manual shall be studied by every Mobile Infantry soldier prior to authorization to handle the Weapon.

**19.2** Knowledge of Sections 6 (Partial Disassembly), 9 (Cleaning/Lubrication), 10 (Charging), 11 (Unloading), and 13 (Malfunctions) shall be tested monthly (Pass/Fail). Two consecutive Fail results shall result in revocation of weapons handling authorization and referral to remedial training.

**19.3** Loss of this Manual is equivalent to loss of the Weapon and incurs disciplinary action per Federal Military Code of Justice Article 89. Storage of an electronic copy on a soldier's personal tablet (formats .pdf, .epub) with encryption no less than AES-256 is authorized.

**19.4** Upon transfer to another unit, the soldier shall turn in the Weapon and this Manual to the quartermaster with annotation in the service record. Issuance of a new Manual shall be against signature.

**19.5** The Weapon is the property of the United Citizen Federation. Attempted sale, transfer to third parties, or removal from the Sector constitutes high treason and is punishable under the Federal Code of Military Justice (Article 4, Section 12 – maximum penalty).

## 20. REVISION HISTORY

Revision	Date	Sections Affected	Description of Change	Authorizing Officer
1	17 March 2190	All	Initial release	Gen. QM J. Hendricks

2	12 June 2190	3, 9, 13, App A	Added H <sub>2</sub> S procedures, revised MRBF	Gen. QM J. Hendricks
3	3 October 2191	6, 7, 8	Clarified partial vs. full disassembly roles	Col. M. Richards
4	1 May 2192	2, 3, 9, 12, 13, 14, 17, 18, 19	Complete revision: upper caliber changed to 5.56×45mm NATO. Added quad-stack magazine data. Revised effective range. Updated ammunition tables. General language polish for technical clarity.	Gen. QM J. Hendricks

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Mobile Infantry Ordnance Department  
United Citizen Federation

Approved by: Gen. Quartermaster J. Hendricks

Date of Approval: 1 May 2192 (Revision 4)

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Copy No. 0001

Issued to: \_\_\_\_\_ (Soldier's Full Name)

Signature: \_\_\_\_\_

Date: \_\_\_\_\_