

**TECHNICAL MANUAL  
UNIT AND DIRECT  
SUPPORT MAINTENANCE MANUAL  
(INCLUDING DEPOT MAINTENANCE  
REPAIR PARTS)  
FOR**

**MACHINE GUN, 7.62 MM, M240  
(1005-01-025-8095)**

**MACHINE GUN, 7.62 MM, M240B  
(1005-01-412-3129 )**

**MACHINE GUN, 7.62 MM, M240C  
(1005-01-085-4758)**

**MACHINE GUN, 7.62 MM, M240E1  
(1005-01-252-4288)**

**AND**

**MACHINE GUN, 7.62 MM, M240G  
(1005-01-359-2714)**

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Marine Corps requests for this document must be referred to Commandant of the Marine Corps (ARE-B), Washington, D.C. 20380-0001.

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**HEADQUARTERS, DEPARTMENT OF THE ARMY  
HEADQUARTERS, U.S. MARINE CORPS  
JUNE 1997**

**WARNING**

Before starting inspection, be sure to clear the weapon. Do not actuate the trigger until the weapon has been cleared. Inspect the chamber to be sure that it is empty, and check to see that there are no obstructions in barrel.

Be sure to clear weapon before disassembling, cleaning, inspecting, transporting or storing.

Keep bolt assembly pointed downward at all times during assembly of ejector and extractor parts.

Refer to TM 9-1300-206 for information on weapons, ammunition, and related publications.

Dry cleaning solvent is **FLAMMABLE** and **TOXIC** and must be kept away from open flames and used in a well ventilated area. Use of rubber gloves is necessary to protect the skin when washing weapon parts.

Appropriate eye protection is recommended when cleaning your weapon or its parts.

When disassembling/reassembling bolt assembly, point bolt face away from your face and away from other personnel. The spring can fly out and cause injury.

When disassembling/reassembling cover assembly, hold hand over retaining clip when engaging or disengaging leg, or retaining clip will fly off pivot post.

Personal injury could occur if care is not exercised when installing cover detent plunger disassembly tool.

For additional first aid data, see FM 21-11.

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\*TECHNICAL MANUAL

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
U.S. MARINE CORPS  
*Washington D.C., 17 June 1997*

**UNIT AND DIRECT SUPPORT  
MAINTENANCE MANUAL**  
**(Including Depot Maintenance Repair Parts)**  
**for**

**MACHINE GUN, 7.62MM, M240**  
**(1005-01-025-8095)**

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**(1005-01-359-2714)**

**REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**

You can help improve this manual. If you find any mistakes or if you know of any way to improve the procedures, please let us know. Army users mail your letter, DA Form 2028 (Recommended Changes to Equipment Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Director, Armament and Chemical Acquisition and Logistics Activity, ATTN: AMSTA-AC-NML, Rock Island, IL 61299-7630. Marine Corps users submit NAVMC Form 10772 direct to: Commanding General, Marine Corps Logistics Base (Code 850), Albany, GA 31704-5000. A reply will be furnished to you. Marine Corps users will provide additional copy to Commandant of the Marine Corps (ARE-B), Washington D.C. 20380-0001

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\*This manual supersedes TM 9-1005-313-23, dated 19 July 1988, TM 9-1005-313-23, Change 1, dated 18 October 1988. TM 9-1005-313-23, Change 2, dated 11 July 1989, TM 9-1005-313-23P, dated 21 June 1988, TM 9-1005-313-23P, Change 1, dated 20 July 1989, U.S. Marine Corps TM 08670B-23&P/2, dated 31 August 1994.

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## HOW TO USE THIS MANUAL

**GENERAL.** In order to use this manual efficiently, there are several things you need to know.

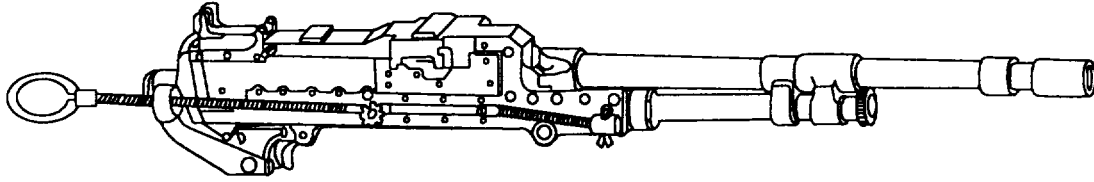
1. All references in the manual are to pages or to another manual.
2. Whenever the male gender is mentioned (i.e., crewman, repairman) in the manual, it also pertains to females.
3. Procedures apply to all three models unless otherwise noted.

**INDEXES.** This manual is organized to help you quickly find the information you need. There are several useful indexes.

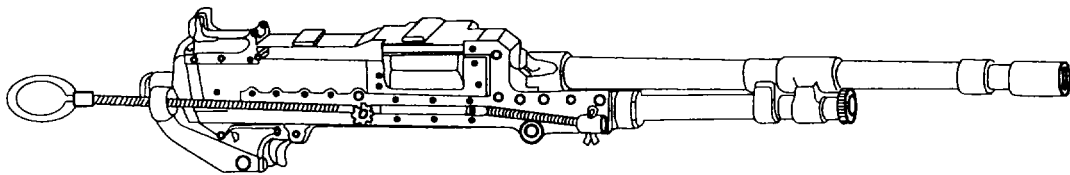
1. *Front Cover Index.* Is a tabbed index of items used often. Keyed to tabbed pages in the manual.
2. *Table of Contents.* Lists in order all chapters, sections, and appendixes. Gives page references.
3. *Nomenclature Cross Reference List.* Gives an alphabetical list of the common names that are substituted for the official nomenclature in the manual.
4. *Chapter Overviews.* Summarize material covered in the chapter.
5. *Troubleshooting Symptom Index.* Lists in alphabetical order parts of the weapon with possible malfunctions. References pages of the troubleshooting table.
6. *Alphabetical Index.* Located at the end of the manual. An extensive subject index for everything in the manual. It gives page references.

**MAINTENANCE PROCEDURES.** There are two maintenance chapters, one for unit and one for direct support. Each has an initial setup containing a list of the following things you will need in order to do your maintenance task.

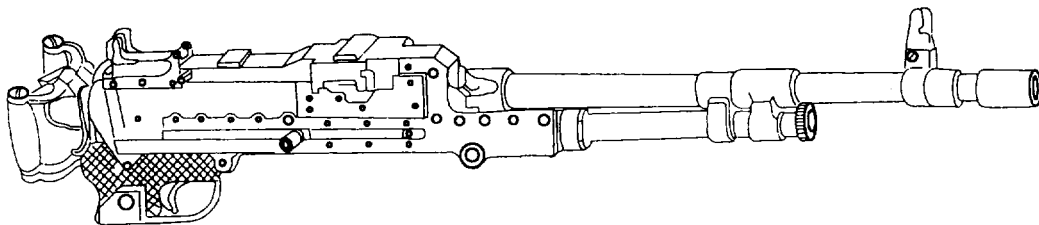
1. *Tools and Special Tools.* List tool kit and tools not found in your tool kit.
2. *Material/Parts.* List expendable/durable materials and 100% replaceable parts. Each material or part is followed by a part number or appendix reference. If more than one part is needed, the quantity needed precedes the part number or reference.
3. *References.* List other publications containing necessary information.
4. *Equipment Condition.* Lists conditions to be met before starting a procedure. The reference on the right of the condition is the page reference to instructions for setting up the condition. Step-by-step procedures are illustrated procedures for maintenance authorized by the MAC, appendix B.



**M240**

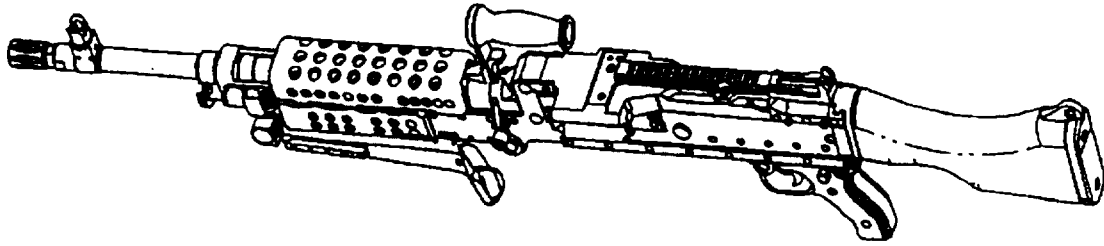


**M240C**

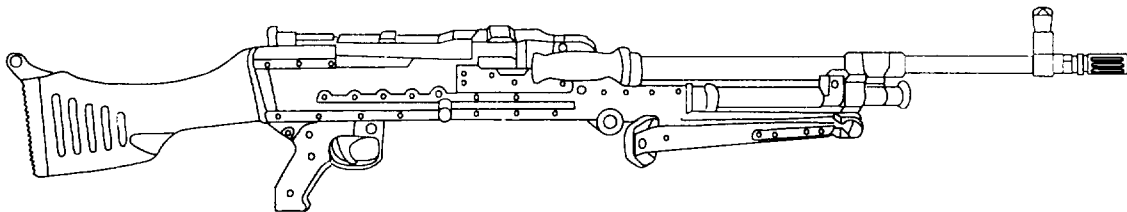


**M240E1**

EXTERNAL VIEW OF M240, M240C, and M240E1, 7.62MM, MACHINE GUN



**M240B**



**M240G**

EXTERNAL VIEW OF M240B and M240G, 7.62MM, MACHINE GUN



## CHAPTER 1 INTRODUCTION

**CHAPTER OVERVIEW.** This chapter contains general information, equipment description and data, and principles of operation for the machine gun.

### Section I. GENERAL INFORMATION

#### 1-1. SCOPE.

- a. *Type of Manual:* Unit and Direct Support Maintenance Manual.
- b. *Model Numbers and Equipment Name:* M240, M240B, M240C, M240E1, and M240G, 7.62mm, Machine Gun.
- c. *Purpose of Equipment:* M240/M240C model is designed as a coaxial machine gun for tanks and 7.62mm fire power on light armored vehicles. M240B/M240G model is designed as a tripod mounted or bipod supported machine gun for use by ground forces. The bipod is integrated into the receiver assembly of the weapon. M240E1 model is designed with front and rear sights and spade grip trigger device. The M240E1 model is turret mounted on light armored vehicles.

**1-2. MAINTENANCE FORMS, RECORDS, AND REPORTS.** Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAMMS). Marine Corps users will use procedures prescribed in TM 4700-15/1.

**1-3. DESTRUCTION OF MATERIEL TO PREVENT ENEMY USE.** Procedures and materials used for the destruction of the machine gun to prevent enemy use will be found in TM 750-244-7.

**1-4. DEMILITARIZATION OF SMALL ARMS RESIDUE.** To prevent unauthorized use of replaced (used) components/subassemblies of weapons and associated small arms equipment following repair, demilitarization will be accomplished in accordance with DOD 4160.21-M-1, Defense Demilitarization Manual.

#### 1-5. OFFICIAL NOMENCLATURE, NAMES, AND DESIGNATIONS.

*NOMENCLATURE CROSS-REFERENCE LIST.* This listing includes nomenclature cross-references used in the manual.

Common Name	Official Nomenclature
Back Plate	Buffer and Plug Assembly
Buffer and Spade Grip Assembly	Buffer Grip Assembly
Charger Slide Pin	Headed Straight Pin
Cover Hinge Spring Pin	Spring Pin
Extension Spring	Helical Spring
Front Sight Adjusting Screw	Front Sight Self-Locking Screw
Helical Compression Ejector Spring	Helical Spring
Left Grip	Machine Gun Gnp

Common Name	Official Nomenclature
Receiver	Body
Right Grip	Machine Gun Grip
Sear Spring	Helical Spring
Spring Loaded Pin	Spring Pin
Stop Screw	Leaf Socket HE Sight Cap Screw
Trigger Pin	Straight Pin
Trigger Spring Pin	Spring Pin

**1-6. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR).** If your machine gun needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Army users submit an SF 368 (Product Quality Deficiency Report) and mail it to: Commander, Armament Research, Development and Engineering Center, ATTN: AMSTA-AR-QAW-A (R), Rock Island, IL 612997300. Marine Corps users submit QDR's or SF 368 in accordance with MCO 4855.10 to: Commanding General, Marine Corps Logistics Base (Code 808), Albany, GA 31704-5000. We'll send you a reply. Marine Corps users will provide additional copy to Commandant of the Marine Corps (ARE-B), Washington D.C. 20380-0001.

**1-7. CORROSION PREVENTION AND CONTROL (CPC).** Corrosion prevention and control of material is a continuing concern. It is important that any corrosion problems with this item be reported so that the problem can be corrected and improvements can be made to prevent the problem in the future. While corrosion is typically associated with rusting of metals, it can also include deterioration of other materials such as rubber and plastic. Unusual cracking, softening, swelling, or breaking of these materials may be a corrosion problem. If a corrosion problem is identified, it can be reported using SF 368. Use of key words such as "corrosion", "rust", "deterioration", or "cracking" will assure that the information is identified as a CPC problem. The form should be submitted to: Commander, Armament Research, Development and Engineering Center, ATTN: AMSTA-AR-QAW-A/Customer Feedback Center, Rock Island, IL 612997300. Marine Corps users reference TM 3080-12.

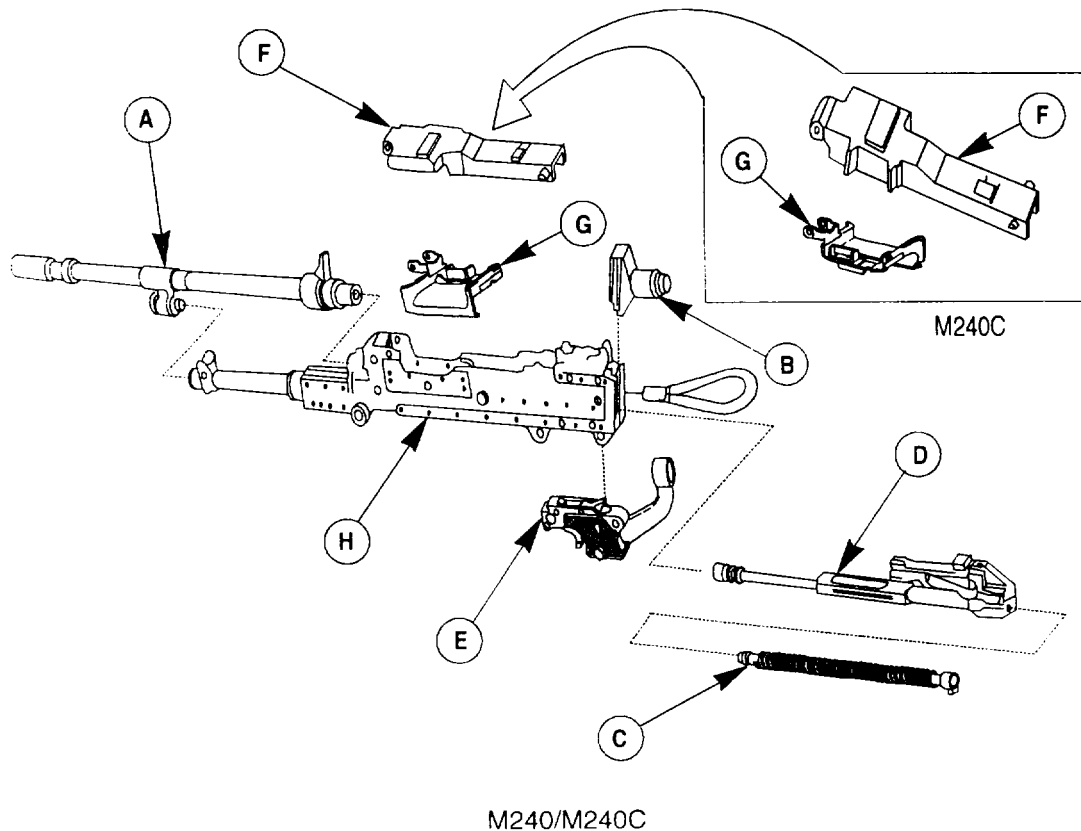
## Section II. EQUIPMENT DESCRIPTION AND DATA

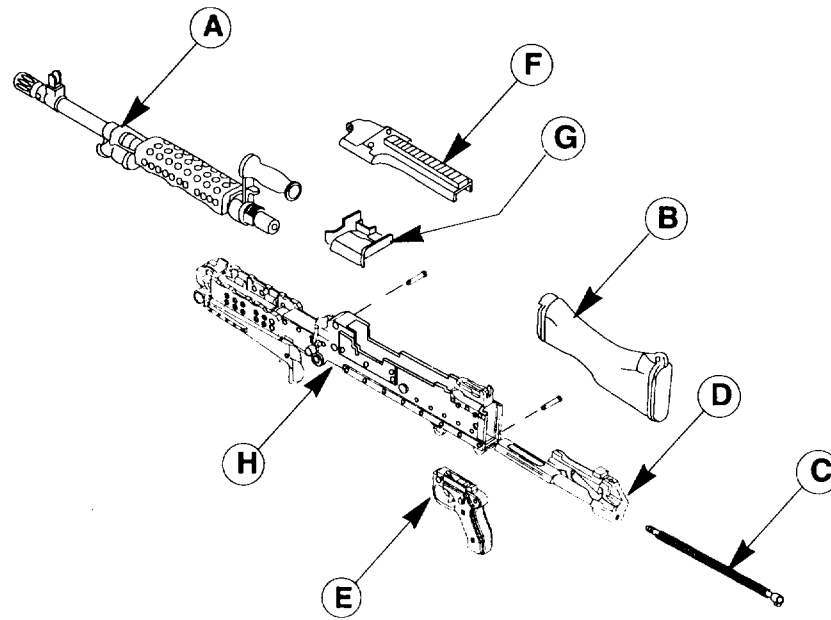
### 1-8. CHARACTERISTICS, CAPABILITIES, AND FEATURES.

Refer to TM 9-1005-313-1 O/TM 08670A/09712A-10/1 B.

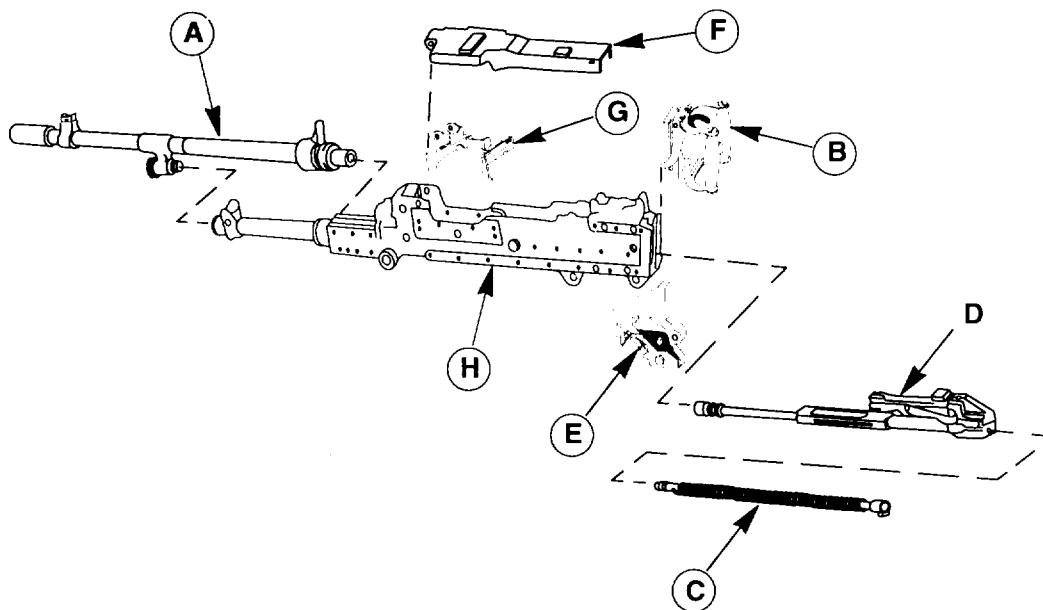
### 1-9. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS.

- A. BARREL ASSEMBLY. Houses cartridge for firing and directs projectile.
- B. BUFFER ASSEMBLY. Absorbs recoil for bolt and operating rod assembly at the end of recoil movement.
- C. DRIVING SPRING ROD ASSEMBLY. Provides energy for returning bolt and operating rod assembly to firing position.
- D. BOLT AND OPERATING ROD ASSEMBLY. Provides feeding, stripping, chambering, firing, extraction, and ejection of cartridges using the projectile propelling gases for power.
- E. TRIGGER HOUSING ASSEMBLY. Controls the firing of the machine gun.
- F. COVER ASSEMBLY. Feeds linked belt and holds cartridges in position for stripping, feeding, and chambering. The cover assembly for the M240B has an optical sight rail.
- G. FEED TRAY. Serves as a guide for positioning cartridges to assist in chambering.
- H. RECEIVER ASSEMBLY. Serves as a support for all major components. Houses action of weapon and, through a series of cam ways, controls functioning of the weapon.

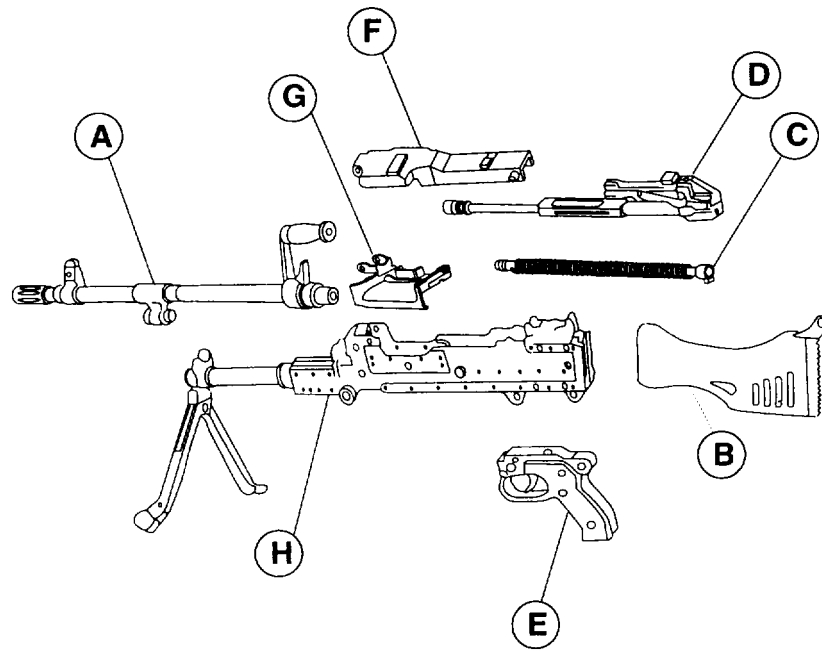




M240B



M240E1



M240G

## 1-11. DIFFERENCES BETWEEN MODELS.

	M240	M240B	M240C	M240E1	M240G
Feeds from the right			X		
Feeds from the left	X	X		X	X
Cover assembly (11826165)	X			X	X
Cover assembly (11826038)			X		
Cover assembly (12977101)		X			
Receiver assembly (11826192)	X		X		
Receiver assembly (12597044)				X	X
Receiver assembly (12976834)		X			
Barrel assembly (11825985)	X		X		
Barrel assembly (12597035)				X	
Barrel assembly (12976817)		X			
Barrel assembly (12976818)					X
Trigger assembly (11826230)	X		X		
Trigger assembly (12597070)				X	
Trigger assembly (12976869)		X			X
Buffer assembly (11826211)	X		X		
Buffer and spade grip assembly (12597057)				X	
Buttstock and buffer assembly (12976851)		X			X
Charger cable (11826145)	X		X		
Cocking handle assembly (12597045)				X	X
Cocking handle assembly (12976835)		X			

Procedures are written for the M240 machine gun but apply to all models except where noted.

Do not mix and match parts listed for one model configuration on a different model.

## 1-12. EQUIPMENT DATA.

Weight:	10.3 Kg (22.2 lbs) 12.52 Kg (27.6 lbs) (M240B) 11.00 Kg (24.2 lbs) (M240G)
Rate of fire:	You get the sustained and rapid rates through practice.
Cyclic:	650 to 950 RDS/M - Not intended to fire at 950 RDS/M. This will cause accelerated wear/damage to the barrel and rest of weapon.
Sustained:	100 RDS/M (4-5 sec between bursts) - Change barrel every 10 minutes.
Rapid:	200 RDS/M (2-3 sec between bursts) - Change barrel every 2 minutes.
Range:	<p>Maximum range: 3,725 meters</p> <p>Maximum effective (point): 800 meters with M122A1 Tripod (M240B) (M122 Tripod with Flex Mount Assembly (M240G) (Marine Corps only))</p> <p>Maximum effective (area): 1,800 meters with M122A1 Tripod (M240B) (M122 Tripod with Flex Mount Assembly (M240G) (Marine Corps only))</p> <p>Tracer burnout: Approximately 900 meters</p>

### Section III. PRINCIPLES OF OPERATION

#### 1-13. GENERAL.

- a. *Gas-operated.* Recoils with gas-assist boost. Three gas settings to maintain a consistent rate of fire.
- b. *Positive Locking of Bolt Body.* Firing pin is part of bolt and operating rod assembly, and cannot strike primer until bolt is fully locked.
- c. *Fires from Open Bolt Position.* Prevents explosion of cartridge (cookoff) after prolonged firing.
- d. *Mounted on a Coaxial Mount (M240/M240C).*
  - (1) Fires parallel to turret main gun.
  - (2) Requires no sights on machine gun.
  - (3) Can be fired manually or electrically.
- e. *Ground Mounted (M240B/M240G).*
  - (1) Mounted on Tripod (M122A1) (M240B). (M122 Tripod with Flex Mount Assembly (M240G) (Marine Corps only)).
  - (2) Ground supported with integral bipod assembly.
  - (3) Has front and rear sights on machine gun.
- f. *Mounted on Exterior Pintle Location (M240E1).*
  - (1) Mounted in Pintle socket with integral flex mount assembly.
  - (2) Has front and rear sights on machine gun.

## CHAPTER 2

### CHAPTER OVERVIEW

This chapter contains information regarding repair parts, special tools, and support equipment and instructions for service upon receipt, PMCS, troubleshooting, and maintenance to keep the machine gun in good repair.

#### Section I. REPAIR PARTS, SPECIAL TOOLS, TMDE, AND SUPPORT EQUIPMENT

**2-1. COMMON TOOLS AND EQUIPMENT.** For authorized common tools and equipment, refer to the Modified Table of Organization and Equipment (MTOE) applicable to your unit.

**2-2. SPECIAL TOOLS, TMDE, AND SUPPORT EQUIPMENT.** Special tools are listed in Appendix C of this manual. Tools and test equipment are listed in Appendix B of this manual. There is no Test, Measurement, and Diagnostic Equipment (TMDE) for this item.

**2-3. REPAIR PARTS.** Repair parts are listed and illustrated in the repair parts and special tools list (Appendix C) covering unit and direct support maintenance for this equipment.

#### Section II. SERVICE UPON RECEIPT

**2-4. GENERAL.** When a machine gun is received, it is the responsibility of the user to determine whether the machine gun has been properly prepared for service by the supplying unit and whether it is in condition to perform its mission.

**2-5. SERVICE UPON RECEIPT OF MATERIEL.**

#### WARNING

**Before starting an inspection, be sure to clear the weapon. Do not actuate the trigger until the weapon has been cleared. Inspect the chamber to be sure that it is empty. Check to see that there are no obstructions in the barrel.**

LOCATION	ITEM	ACTION	REMARKS
1. Container	Basic Issue Items	Check unpacked equipment.  (1) Inspect the equipment for damage shipment. If the equipment has been damaged, report the damage on SF 364, Report of Discrepancy (ROD).  (2) Check the equipment against the packing slip to see if the shipment is complete. Report all discrepancies in accordance with instructions of DA PAM 738-750.  (3) Check to see whether the equipment has been modified.	TM 9-1005-313-10/ TM 08670A/ 09712A0/1 B



**2-5. SERVICE UPON RECEIPT OF MATERIEL (cont).**

LOCATION	ITEM	ACTION	REMARKS
2. Machine Gun	a. Barrel assembly	(1) Remove volatile corrosion inhibitor (VCI) from barrels. Discard.  (2) Tag both barrels and receiver as a set.	TM 9-1005-313-10/ TM 08670A/ 09712A-10/1B
	b. Machine Gun	(1) Field-strip machine gun and inspect for missing parts  (2) Clean and lubricate.  (3) Reassemble.  (4) Function, using belted dummy cartridges.	

### Section III. PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)

#### 2-6. GENERAL.

- a. Perform PMCS every 90 days to keep the weapon ready for use.
- b. If the weapon has not been used for 90 days, PMCS in the operator's manual (TM 9-1005313-10/TM 08670A/09712A-10/1B) should also be performed. If you see rust or other signs of wear on a weapon, the PMCS must be done immediately.

#### UNIT PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) QUARTERLY SCHEDULE

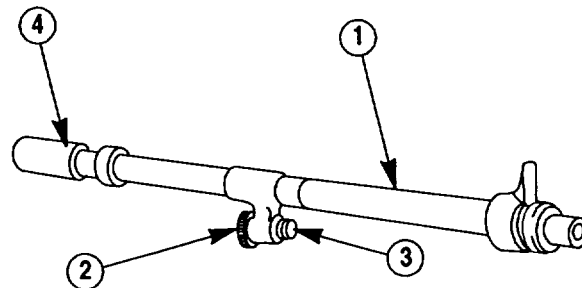
Item No.	Interval	Item to Checked	Procedures	Not Fully Mission Capable If:
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#### WARNING

**Before starting an inspection, be sure to clear the weapon. Do not actuate the trigger until the weapon has been cleared. Inspect the chamber to be sure that it is empty. Check to see that there are no obstructions in the barrel.**

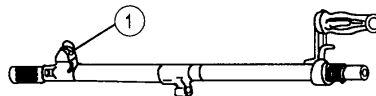
**GENERAL:** Inspect all assemblies for missing, broken, or loose parts. Inspect parts for cracks, dents, burrs, excessive wear, rust, or corrosion. Make sure all items are cleaned and lubricated (TM 9-1005-313-10/ TM 08670A/09712A-10/1 B). Do not use cleaning solvents or lubricants on any composite/rubber components. Inspect external surfaces for adequate finish. Refinish if necessary using solid film lubricant. Repair or replace authorized defective parts or notify direct support maintenance if repair or replacement is not authorized (Appendix C).

1		Machine Gun	Field-strip weapon (TM 9-1005-313-10/ TM 08670A/09712A-10/1 B).	
2		a. Barrel Assembly	<p>Check barrel (1) for bulges, bends, burrs, and obstructions or pits in chamber or bore. Notify support maintenance if barrel is bulged, bent, burred, or if pitting causes extraction problems or appears to be excessive.</p> <p>Disassemble (p2-22), inspect, clean (if necessary), and reassemble collar (2) and plug (3). Make sure flash hider (4) is fastened securely.</p> <p>Check for compliance with annual gaging requirements (headspace/barrel erosion). Ensure barrels are properly tagged as a set. Notify direct support maintenance for scheduling of gaging.</p>	<p>Barrel has obstruction, bulge, excessive direct chamber or bore pitting.</p> <p>Barrel(s) are mistagged/not tagged or annual gaging has not been performed.</p>



UNIT PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)  
QUARTERLY SCHEDULE

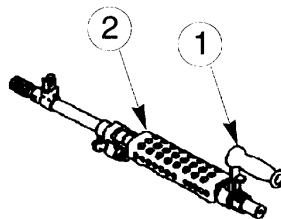
Item No.	Interval	Item to Checked	Procedures	Not Fully Mission Capable If:
2 (cont)		b. Barrel Assembly (M240B/ M240E1/ M240G)	Inspect front sight (1) for looseness or any damage (bends).	Sight is loose or bent.



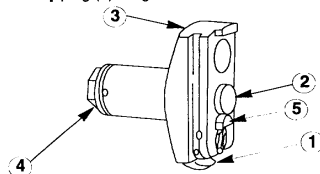
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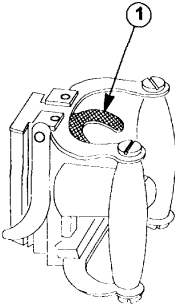
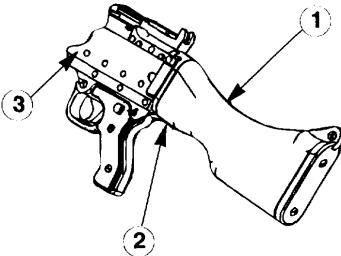
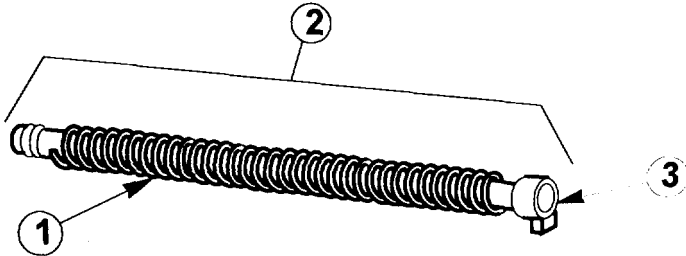
Some heat distortion or charring may be observed on the outer non-metallic portion of the heatshield and is not cause for replacement.

		c. Barrel Assembly (M240B/ M240G)	Inspect carrying handle assembly (1) for bent, broken or missing parts. Assure heatshield (2) is present, remains retained on barrel assembly, and is not bent, broken or missing parts (M240B only).	Carrying handle or heatshield is broken or missing. Heatshield cannot be retained on barrel (M240B only).
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3		a. Buffer Assembly	Check for burrs or rough edges on mating grooves and flanges. Notify direct support maintenance if burred or rough. Check to make sure that back plate latch (1) locks buffer assembly securely to receiver assembly when installed. Make sure buffer plug (2) sticks out through back plate (3) and is flush or higher than the protrusion (5) below it. Make sure there is no rattling sound when buffer is shook or that the plug can not rotate by finger pressure. Check for imprint of rear of operating rod on the buffer housing. Make sure machine plug (4) is tight.	Latch will not hold buffer assembly in receiver. Washers in buffer housing rattle. Buffer plug is not flush or above protrusion. Plug can be rotated with finger pressure.
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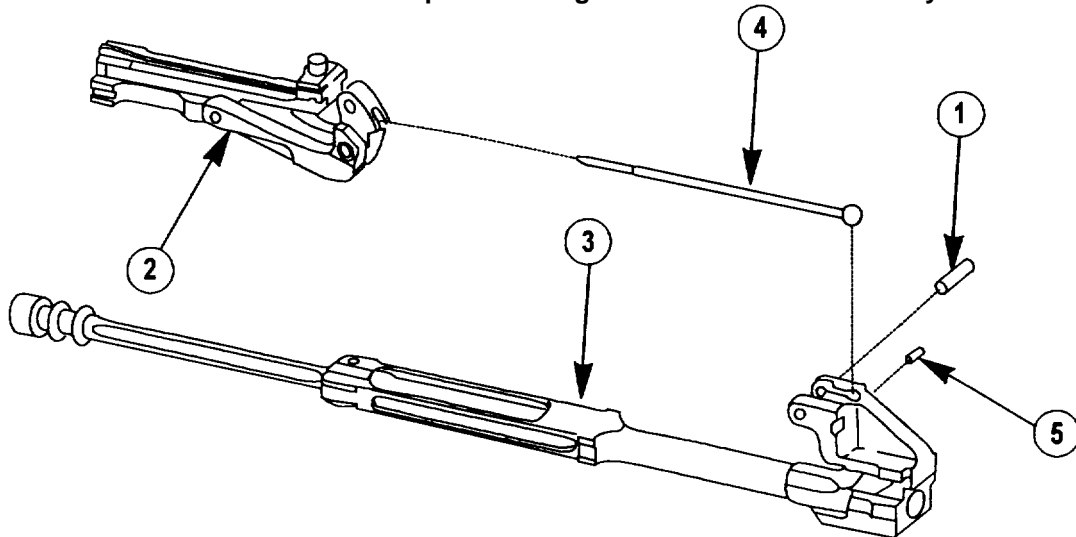
Item No.	Interval	Item to Checked	Procedures	Not Fully Mission Capable If:
		b. Buffer Assembly (M240E1 only)	Check for burred, bent, and damaged components. Check trigger assembly (1) for movement. Check for proper spring tension. 	Weapon functions with safety at "S".
		c. Buttstock and Buffer Assembly (M240B/ M240G)	Inspect buttstock (1) for cracks. Check to make sure back plate latch (2) locks buttstock securely to receiver assembly (3) when installed. 	Latch will not hold buttstock in receiver assembly.
4		Driving Spring Rod Assembly	Check spring (1) for broken strands. Replace spring rod assembly (2) if two strands are broken on the same coil or three or more strands are broken, regardless of location, on same spring. Make sure driving spring rod assembly (3) is not bent. 	Two strands are broken on the same coil or three or more strands are broken in any the location.

**UNIT PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)  
QUARTERLY SCHEDULE (cont)**

Item No.	Interval	Item to Checked	Procedures	Not Fully Mission Capable If:
5		Bolt and Operating Rod Assembly	Remove pin (1) and bolt assembly (2) from operating rod assembly (3) (p2-30). Check firing pin (4) to make sure it is straight and has a smooth, round tip. Make sure ball end is installed between spring pin (5) and bottom of groove. Clean and remove carbon, if necessary. Reassemble pin (1) and bolt assembly (2) to operating rod assembly (3).	Firing pin is broken or distorted.

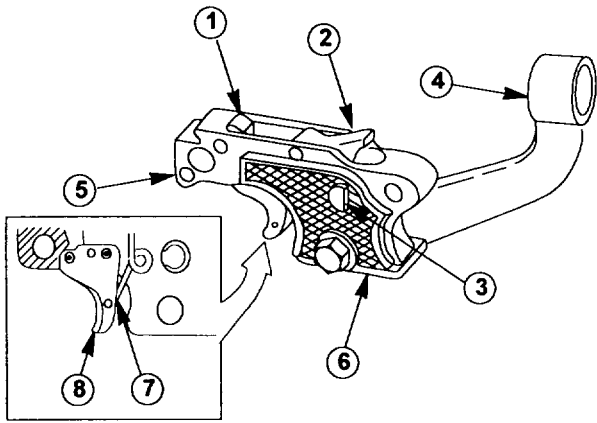
**NOTE**

**Always turn in both barrels with the weapon if damage is found on bolt assembly.**



6		Trigger Spring Pin and Cover Hinge Spring Pin	Inspect trigger spring pin (1) and cover hinge spring pin (2) for bends, and for broken or missing springs (3 and 4). Replace pins (1 and 2) if they are bent or if the springs are broken or missing.	Any part is broken, missing, or damaged.
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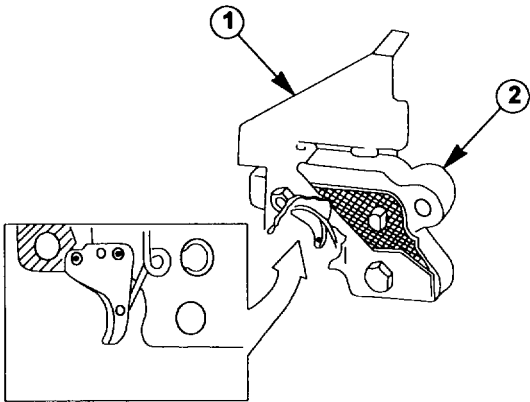
Item No.	Interval	Item to Checked	Procedures	Not Fully Mission Capable If:
7		Trigger Housing Assembly	<p>Inspect tripping lever (1) and sear (2) for burrs on edges or shoulders. Notify direct support maintenance if burred. Push back on tripping lever to raise sear. Place safety (3) to safe (S). Pull trigger. Sear should not drop down far enough to lock in the downward position. Place safety to fire (F). Pull trigger. Sear should drop down and lock in the downward position. Check for cracked grips (6). Check sear spring (7) to make sure the leg of the sear spring (7) is behind trigger pin (8) and not between the trigger and the pin.</p> <p>(a) M240/M240C only: Make sure charger cable guide (4) is securely attached to trigger housing (5).</p>	<p>Weapon functions with safety at "S". Sear spring missing, bent, broken, or not properly installed. Grips are Missing.</p> <p>Cable guide broken or missing.</p>



M240/M240C

- (b) M240E1 only:  
Check that trigger actuating assembly (1) is securely attached to trigger assembly (2). Check that trigger actuating assembly is not damaged.

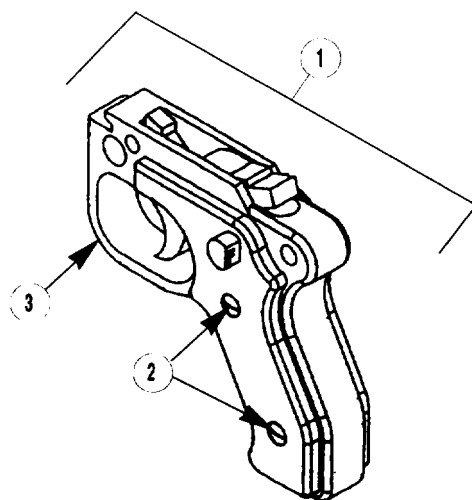
Broken, damaged, or missing parts.



M240E1

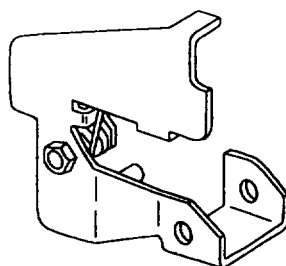
UNIT PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)  
QUARTERLY SCHEDULE (cont)

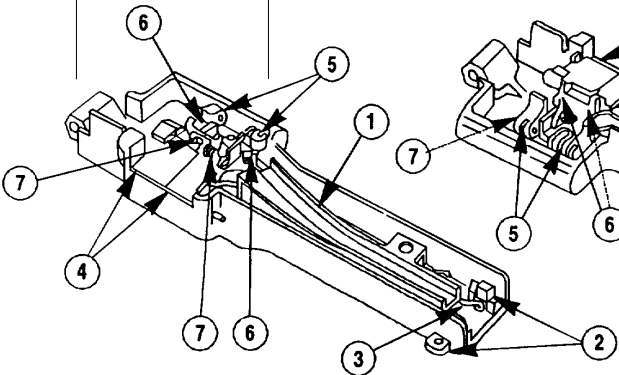
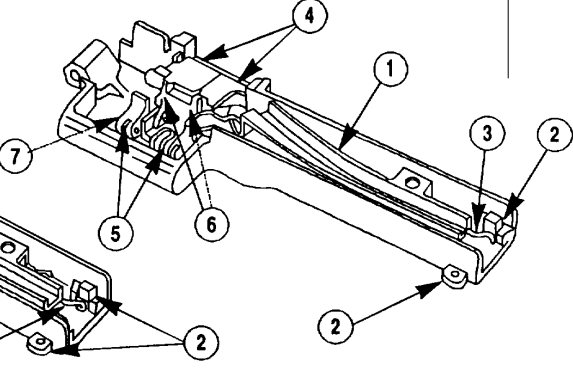
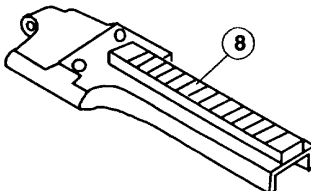
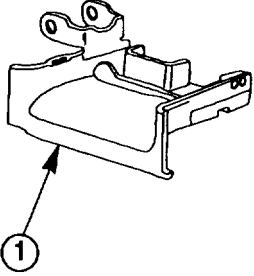
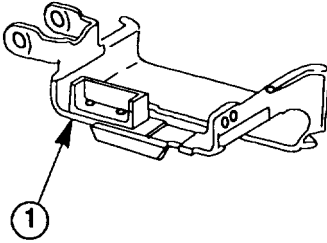
Item No.	Interval	Item to Checked	Procedures	Not Fully Mission Capable If:
7 (cont)		Trigger Housing Assembly (cont)	(c) M240B/M240G only: Check grip assembly (1) for loose or missing grip screws (2). Check trigger guard (3) for bends or cracks.	Grip screw(s) are missing. Trigger guard is missing or is bent such as it causes interference with firing.



M240B/M240G

8		Trigger Actuating Assembly (M240E1 only)	Check for proper spring action. Repair or replace unserviceable authorized components (p2-43).	Broken, damaged, weak or missing parts.
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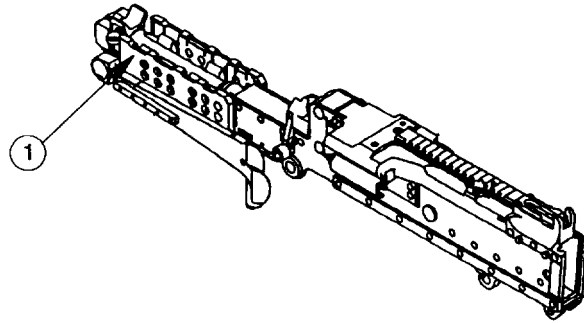
Item No.	Interval	Item to Checked	Procedures	Not Fully Mission Capable If:
9		Cover Assembly	<p>Pivot feed lever (1) back and forth to make sure the feed mechanism operates smoothly without binding. Push in on cover latches (2) to make sure retaining clip (3) is not weak or missing and cover latches (2) do not bind in the housing. Push down on cartridge guides (4) and feed pawls (5) to make sure springs (6 and 7) are not weak or missing. Inspect accessory mounting rail (8) for nicks or burrs (M240B only).</p> <div>   </div> <p>M240/M240B/M240E1/M240G                      M240C</p> <div>  <p>TOP VIEW M240B</p> </div>	Broken or missing parts, or any part is damaged to extent it may cause malfunction. Mounting rail will not accept optional sighting equipment (M240B only).
10		Feed Tray	<p>Check feed tray (1) for cracks, deformation, broken welds, and loose rivets</p> <div>   </div> <p>M240/M240B/M240E1/M240G                      M240C</p>	Cracked, deformed; broken welds or loose rivets.



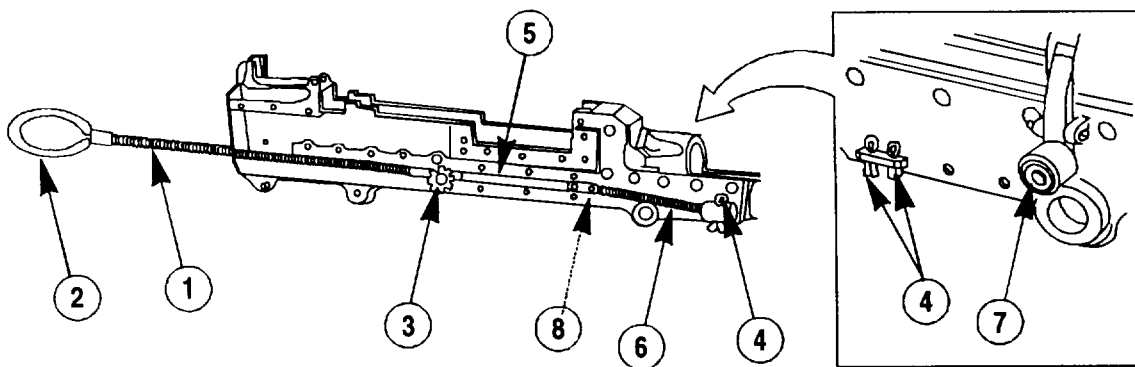
Item No.	Interval	Item to Checked	Procedures	Not Fully Mission Capable If:
11		Handguard (M240B only)	Check handguard (1) for cracks, broken or missing parts.	Cracked, broken or missing parts.

**NOTE**

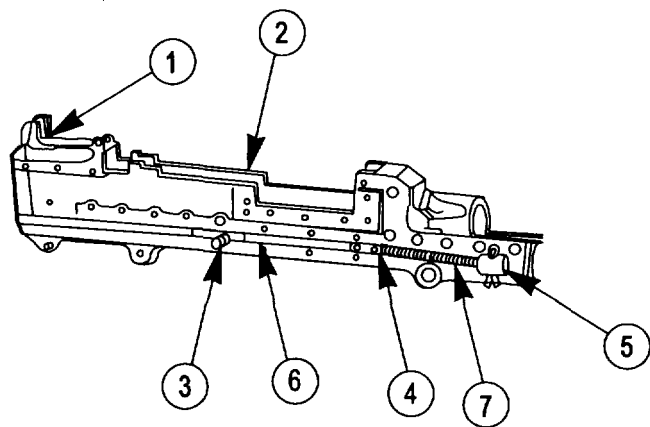
Some heat distortion or charring may be observed on handguard and is not cause for replacement.



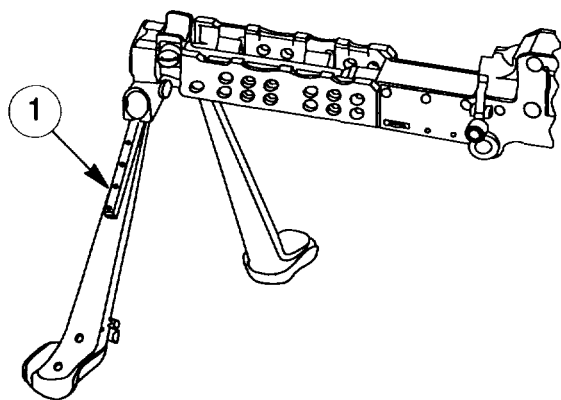
12	Receiver Assembly (M240/ M240C)	Check charger cable (1) for broken strands and for torn or missing rubber handle (2) Make sure charger slide pin (3) and spring plate cotter pins (4) are present and serviceable. Pull charger cable (1) to rear and slowly allow it to return to the forward position to make sure slide (5) does not bind in receiver and extension spring (6) is not weak. Push in on barrel locking latch (7) to make sure the latch spring is not missing or weak. Check receiver for loose or missing rivets. Check to make sure access cover (8) is in place in the bottom of the receiver (p2-44). Clean receiver if necessary (TM 9-1005-313-10/TM 08670A/ 0971 2A-10/1 B).	Broken, weak, or missing parts Any binding occurs Rivets loose or missing.
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Item No.	Interval	Item to Checked	Procedures	Not Fully Mission Capable If:
12 (cont)		Receiver Assembly (M240B/M240E1/M240G)	Check that rear sight assembly (1) is securely mounted to receiver assembly (2) and operates properly. Check that manual control handle (3) operates slide (4) properly. Make sure spring plate cotter pins (5) are present and serviceable (M240E1 only). Pull manual control handle to rear and slowly allow it to return to the forward position to make sure slide (6) does not bind in receiver and extension spring (7) (M240E1 only) is not weak. Check for damaged or missing ejection port cover, spring and pin (M240B only). Repair or replace all damaged authorized parts (p2-44).	Any binding occurs. Rear sight is missing or inoperable.

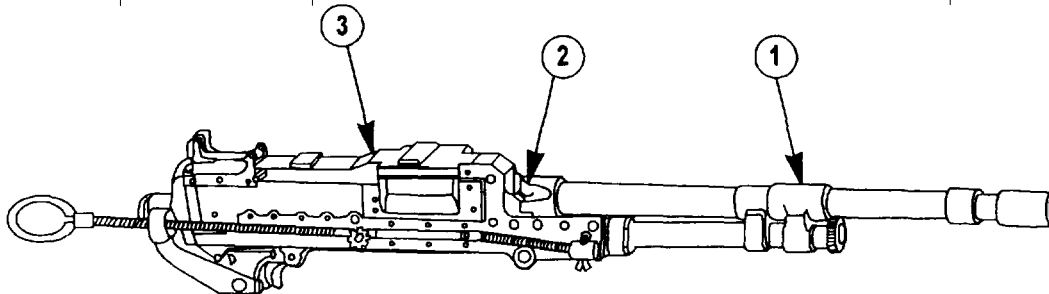


13		Bipod Assembly (M240B/M240G)	Check bipod legs (1) for cracks, twisted or incomplete assembly	Cracked, twisted or missing parts.
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**UNIT PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)  
QUARTERLY SCHEDULE (cont)**

Item No.	Interval	Item to Checked	Procedures	Not Fully Mission Capable If:
14		Machine Gun	Assemble weapon (TM 9-1005-313-10/ TM 08670A/09712A-10/1 B). Be sure parts are installed correctly and are in good working condition. When installing the barrel assembly (1) in the receiver (3), push the barrel release/manual control handle (2) firmly to the right and count the clicks. Fewer than 2 or more than 7 clicks indicate defective parts. Notify direct support maintenance. (Make this check with spare barrel also). Check weapon functioning with belted dummy ammo (TM 9-1005-313-10/TM 08670A/09712A-10/1 B). If weapon does not function properly and the cause cannot be determined by using the troubleshooting procedures (p2-14), notify direct support maintenance.	Broken or missing parts, or any part is damaged to extent it may cause malfunction.



M240C

**NOTE**

**Both barrels and bolt assembly must accompany receiver when weapon is turned in.**

Solid Film Lubricant (SFL) is the authorized touchup for the M240 Series Machine Gun and may be used on up to one third of the exterior finish of the weapon.

FOR CONUS USE ONLY: Solid film lubricant (item 5, app D) may be used as a touchup without limitation on the receiver assembly. This is to say that the units which DO NOT fall under the category of Divisional Combat Units or rapid deployment type units may have up to 100 percent of the exterior surface of the receiver assembly protected with SFL. Prior to application of SFL, the surface must be thoroughly cleaned and inspected for corrosion and/or damage. If corroded or damaged, the part must be repaired or replaced prior to application of SFL. Continued use under combat conditions would result in an unprotected surface when the SFL wears off. This would result in a large light reflecting surface and accelerated deterioration of the unprotected surface. Therefore, Divisional Combat Units and units which fall under the definition of Rapid Deployment type must adhere to the limitation of NOT over one third of their exterior surface covered by SFL.

If M240 Series Machine Gun RECEIVER ASSEMBLY is missing one third or more of its exterior protective finish, resulting in an unprotected/light reflecting surface, it is a candidate for overhaul. This missing finish will be considered a shortcoming. This shortcoming requires action to obtain a replacement weapon. Once a replacement has been received, evacuate the original weapon to depot for overhaul.

**UNIT PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)**  
**QUARTERLY SCHEDULE (cont)**

<b>Item No.</b>	<b>Interval</b>	<b>Item to Checked</b>	<b>Procedures</b>	<b>Not Fully Mission Capable If:</b>
14 (cont)		Machine Gun (cont)	Ensure that machine gun has been inspected/ gaged within the last year; for Army Reserve and National Guard weapons, the period is 2 years unless inspection shows need for gaging more often due to usage or other factors.	Assigned/spare barrels are not headspaced and/or required tagging is missing.

Section IV. TROUBLESHOOTING

2-7. UNIT MAINTENANCE TROUBLESHOOTING.

a. This section contains troubleshooting information for locating and correcting most of the operating troubles which may develop in the machine gun. Each malfunction for a part, assembly, or subassembly is followed by a list of tests or inspections which will help you to determine corrective actions to take. You should perform the tests/inspections and corrective actions in the order listed.

b. This manual cannot list all the possible malfunctions that may occur, nor all tests or inspections and corrective actions. If a malfunction is not listed (except when malfunction and cause are obvious) or is not corrected by listed corrective actions, notify direct support maintenance.

2-8. TROUBLESHOOTING PROCEDURES. Refer to symptom index or troubleshooting table for malfunctions, tests/inspection, and corrective action.

SYMPTOM INDEX

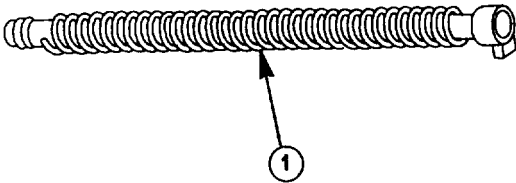
Troubleshooting Procedure	Page
Failure to chamber .....	2-14
Failure to cock or runaway gun .....	2-18
Failure to eject.....	2-17
Failure to extract.....	2-17
Failure to feed.....	2-16
Failure to fire.....	2-15
Sluggish operation.....	2-15

TROUBLESHOOTING TABLE

MALFUNCTION
TEST OR INSPECTION
CORRECTIVE ACTION

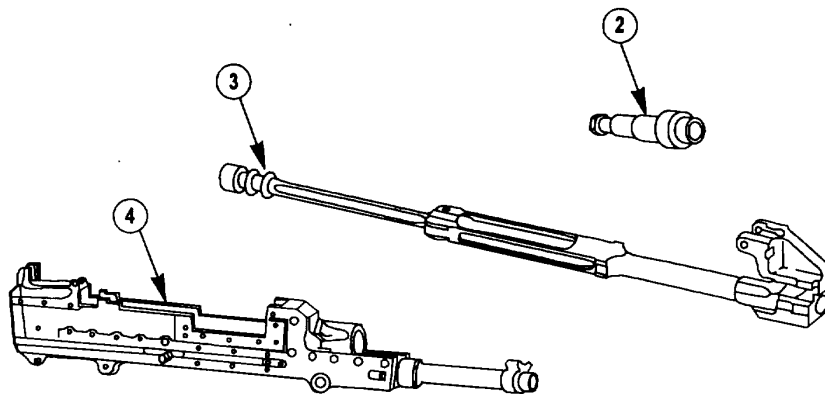
1. FAILURE TO CHAMBER.

- Step 1. Check for damaged driving spring rod assembly (1).  
Replace driving spring rod assembly (p2-19).



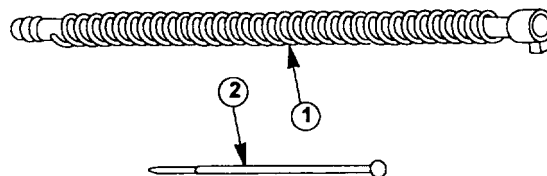
MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
-------------	--------------------	-------------------

- |         |  |  |
|---------|--|--|
| Step 2. | Check for damaged plug (2).<br>Replace plug (p2-22).   |  |
| Step 3. | Check for caked carbon in plug (2), gas cylinder piston (3), or receiver (4).<br>Remove carbon and clean (TM 9-1005-313-10/<br>TM 08670A/09712A-10/1 B). |  |



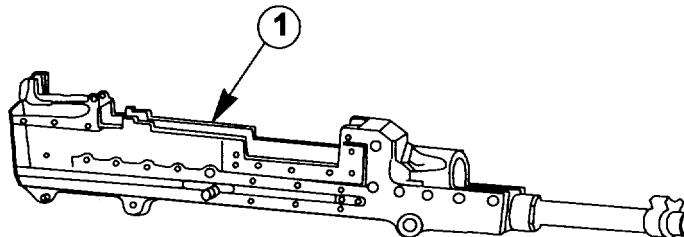
## 2 FAILURE TO FIRE.

- |         |  |
|---------|--|
| Step 1. | Check for damaged driving spring rod assembly (1).<br>Replace driving spring rod assembly (p2-19). |
| Step 2. | Check for broken or damaged firing pin (2).<br>Replace firing pin (p2-30).                         |



## 3. SLUGGISH OPERATION.

- |  |
|--|
| Check for dirty receiver (1) and lack of lubricant.<br>Clean and lubricate (TM 9-1005-313-10/TM 08670A/09712A-10/1 B). |
|--|



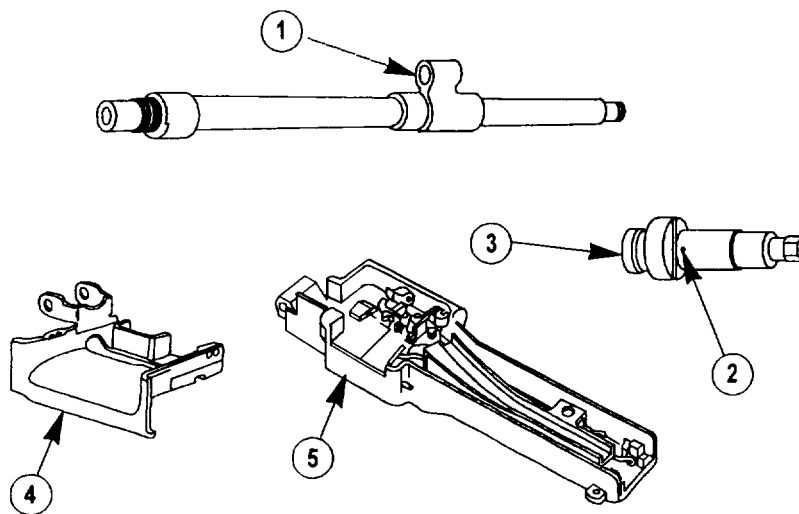
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MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
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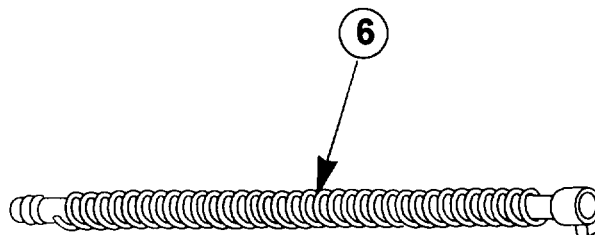
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**4 FAILURE TO FEED.**

- Step 1      Insufficient gas pressure.  
                Clean gas port hole (1), gas inlets (2), and plug (3)  
                (TM 9-1005-313-10/TM 08670A/09712A- 10/1 B).
- Step 2.      Check for broken or damaged feed tray (4) and cover assembly (5).  
                Replace feed tray. If cover is defective, notify direct support  
                maintenance. (Marine Corps repair at unit maintenance.)



- Step 3.      Check for damaged driving spring rod assembly (6).  
                Replace driving spring rod assembly (p 2-19).

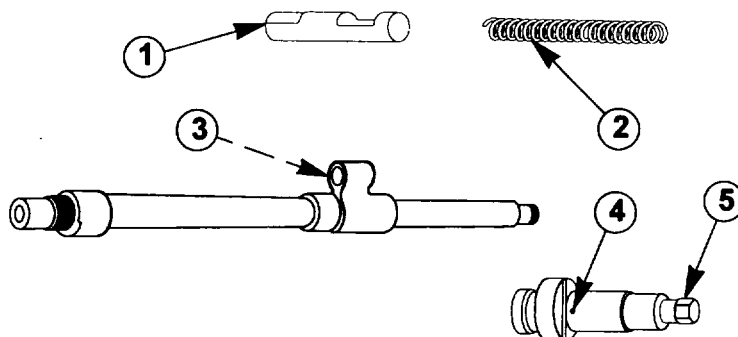


MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
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**5 FAILURE TO EJECT.**

Step 1. Check for frozen or damaged ejector (1) or ejector spring (2).  
Replace unserviceable parts (p2-33).

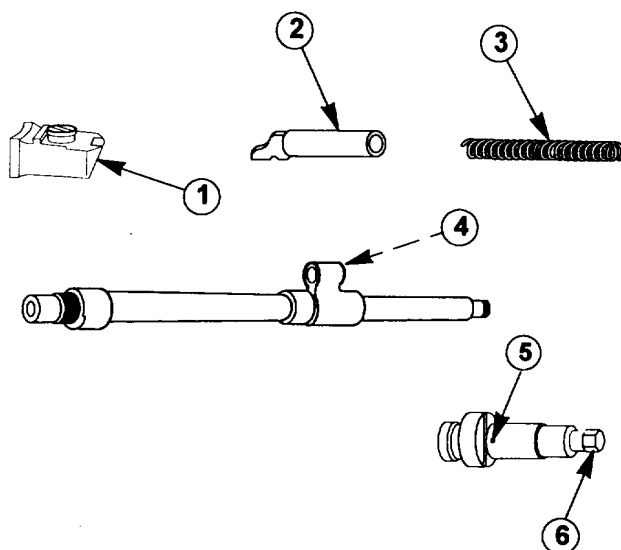
Step 2. Insufficient gas pressure.  
Clean gas port hole (3), gas inlets (4), and plug (5)  
(TM 9-1005-313-10/TM 08670A/09712A-10/1 B).



**6 FAILURE TO EXTRACT.**

Step 1. Check for damaged or broken extractor (1), extractor plunger (2), or spring assembly (3).  
Replace unserviceable parts (p2-33).

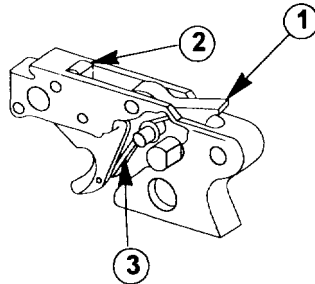
Step 2. Insufficient gas pressure.  
Clean gas port hole (4), gas inlets (5), and plug (6)  
(TM 9-1005-313-10/TM 08670A/09712A-10/1B).





TROUBLESHOOTING TABLE (cont)

MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
<b>7 FAILURE TO COCK OR RUNAWAY GUN.</b>		
Step 1.	Check for broken, stuck, or worn sear (1). If defective, notify direct support maintenance (Marine Corps repair at unit maintenance).	
Step 2.	Check for broken, stuck, or worn tripping lever (2). If defective, notify direct support maintenance. (Marine Corps repair at unit maintenance).	
Step 3.	Check for broken or damaged sear spring (3). If defective, notify direct support maintenance. (Marine Corps repair at unit maintenance).	



Section V. MAINTENANCE PROCEDURES

NOTE

When a machine gun is received at unit maintenance, all gaging requirements must be checked as standard maintenance procedure. In addition, the machine gun must be inspected and, if any deficiencies are found, repaired or noted for repair at the intermediate direct support level. Both barrels and bolt assembly must accompany receiver when weapon is turned in. Do not mix lubricants on the same weapon. The weapon must be thoroughly cleaned during change from one lubricant to another. Dry cleaning solvent (item 4, app D) is recommended for cleaning during change from one lubricant to another.

## 2-9. MAINTENANCE OF MACHINE GUN

### This task covers:

- a. Disassembly/Inspection    b. Repair    c. Reassembly

### INITIAL SETUP

#### Materials/Parts

Cleaner, lubricant and preservative (CLP),  
(item 1, app D)  
Crocus abrasive cloth (item 3, app D)  
Dry cleaning solvent (item 4, app D)  
Solid film lubricant (item 5, app D)  
Solvent cleaning compound (RBC)  
(item 2, app D)

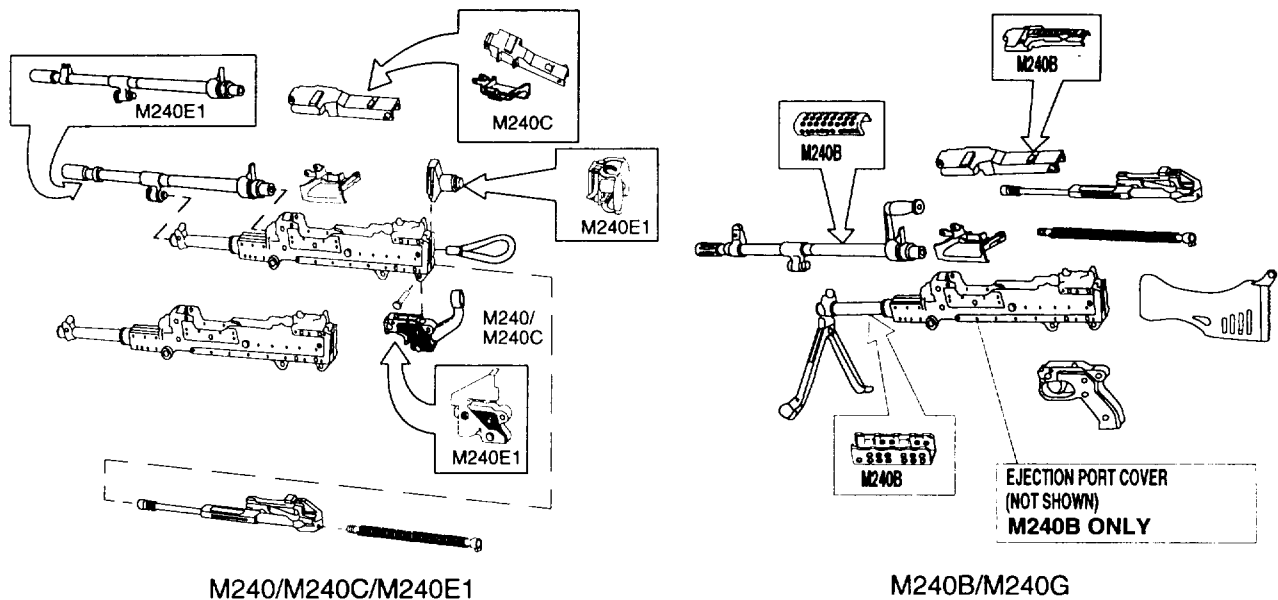
#### Materials/Parts (cont)

Weapons lubricating oil (as required)  
Wiping rag (item 10, app D)

#### References

TM 9-1005-313-1 0/TM 08670A/09712A-10/1B

### DISASSEMBLY/INSPECTION



### WARNING

**Make certain weapon is cleared and that there is no obstruction in the barrel or chamber.**

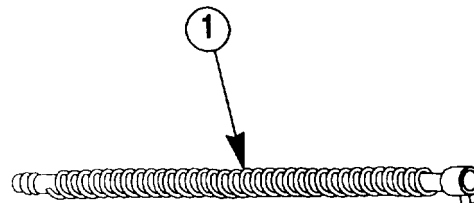
- Field-strip (TM 9-1005-313-10/TM 08670A/09712A-10/1B).
- Remove dirt and corrosion or powder residue from parts with wiping rag (item 10, app D) dampened with RBC (item 2, app D). Lightly oil as required.
- Visually inspect all parts for damage. See appropriate maintenance procedure for repair.
- Inspect external surfaces for proper finish (black surfaces should not reflect light). See appropriate maintenance procedure for refinishing instructions.

## 2-9. MAINTENANCE OF MACHINE GUN (cont)

### REPAIR

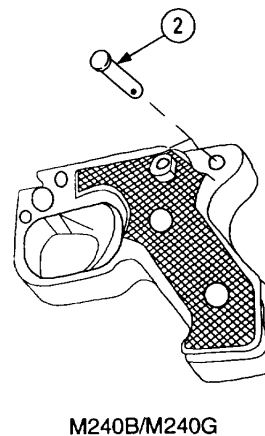
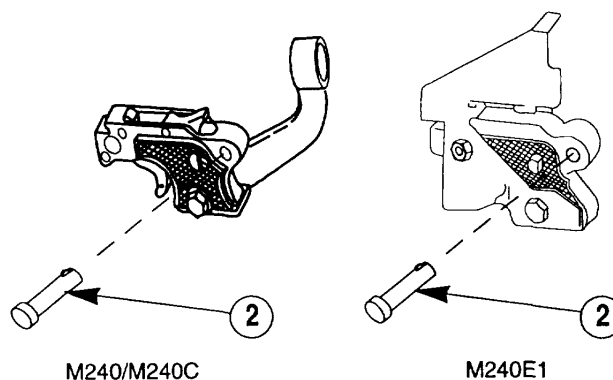
1

Replace driving spring rod assembly (1) if two or more strands of a coil are broken on the same coil or if there are three or more broken strands, regardless of location, on the spring.



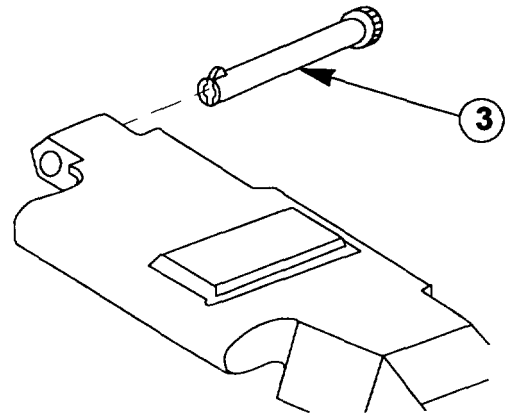
2

Replace trigger spring pin (2) if it is bent or if spring portion of pin is damaged.



3

Replace cover hinge spring pin (3), if bent or damaged.



4

#### WARNING

**Dry cleaning solvent is flammable. Do not use near an open flame. Solvent will be used only in open or well ventilated areas. Failure to provide proper ventilation may result in injury or death.**

- a. Clean rusted or shiny surfaces with crocus cloth (item 3, app D). Wash thoroughly with dry cleaning solvent (item 4, app D). Do not mix lubricants on the same weapon. The weapon must be thoroughly cleaned with dry cleaning solvent before changing lubricants.
- b. For baked-on carbon use solvent cleaning compound (RBC) (item 2, app D) on machine gun and wipe dry.

#### CAUTION

**If solid film lubricant comes in contact with any internal or moving part, clean part with RBC.**

- c. To all external surfaces showing wear, clean thoroughly with dry cleaning solvent (item 4, app D) and dry completely. Apply solid film lubricant (item 5, app D) and allow to dry 12 hours before using weapon.

#### REASSEMBLY

- a. Reassemble (TM 9-1005-313-10/TM 08670A/09712A-10/1B).
- b. Check out machine gun using dummy ammo (TM 9-1005-313-10/TM 08670A/09712A-10/1 B).

#### NOTE

**If barrel or spare barrel is damaged on M240 series machine gun, evacuate both, along with the weapon, to direct support maintenance.**

## 2-10. MAINTENANCE OF BARREL ASSEMBLY

This task covers:

- a. Disassembly      b. Inspection/Repair      c. Reassembly

### INITIAL SETUP

#### Tools and Special Tools

Tool Kit, Small Arms Repairman,  
PN SC 5180-95-CL-A07;  
TAMCN E28292E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

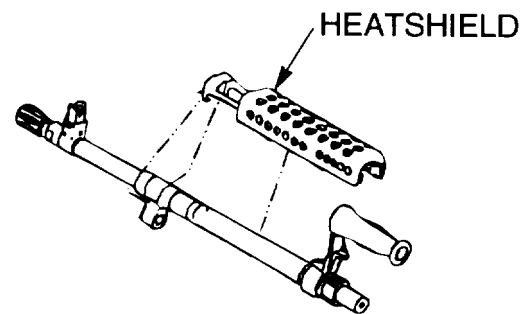
#### Equipment Condition

Barrel removed (TM 9-1005-313-10/  
TM 08670A/09712A-10/1 B).

### DISASSEMBLY

1

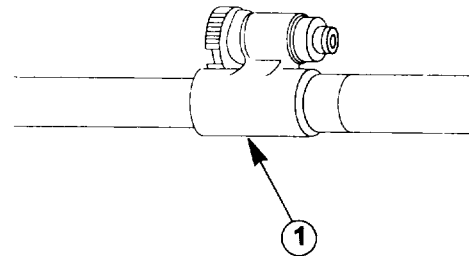
Remove heat shield from barrel (M240B only).



2

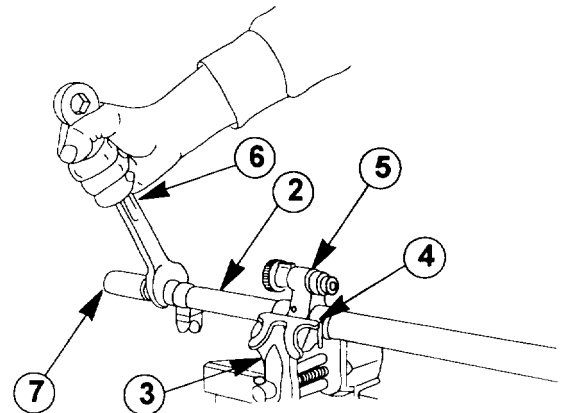
#### NOTE

Clamp in gas port area (1) only.



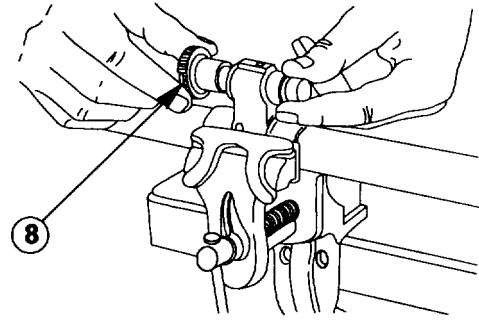
3

- a. Secure barrel assembly (2) in a vise (3) using protective jaws (4) with gas regulator (5) up.
- b. Use 23mm box and open end combination wrench (6) to remove flash hider (7).



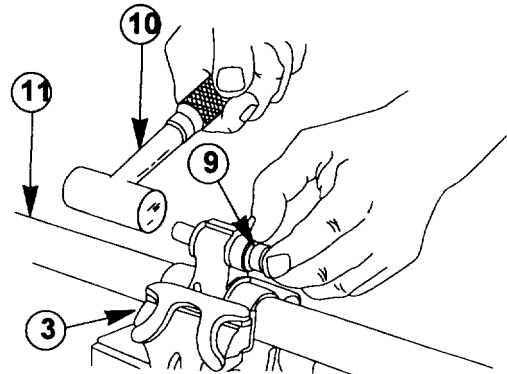
4

Rotate collar (8) until it releases, then pull it out.



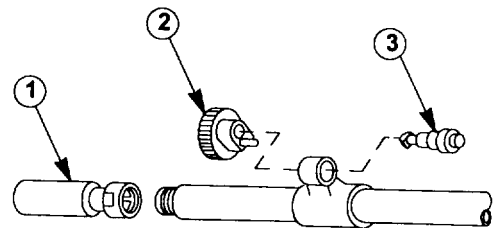
5

- a. Drive out plug (9) using a brass hammer (10). Catch plug (9) to prevent damage.
- b. Remove barrel (11) from vise (3).



## INSPECTION/REPAIR

- a. Inspect flash hider/suppressor (1), collar (2), and plug (3) for dents or burrs. Replace if damaged.
- b. If other parts of barrel assembly are damaged, notify direct support maintenance.

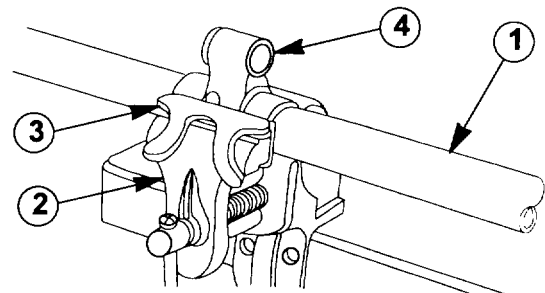


## REASSEMBLY

### NOTE

**Clamp in gas port area only.**

Secure barrel (1) in vise (2) using protective jaws (3) with gas regulator area (4) up.



## 2-10. MAINTENANCE OF BARREL ASSEMBLY (cont) I

### REASSEMBLY (cont)

2

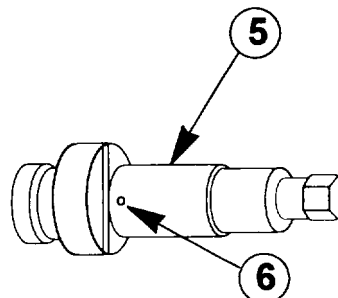
#### NOTE

The plug (5) is designed with three gas inlet settings to maintain the rate of fire. This design is intended to maintain a consistent rate of fire under adverse conditions and **NOT TO INCREASE RATE OF FIRE**. Gas inlet setting number 1 (6) (number facing the barrel) is preferred for normal conditions.

Setting number 1 = 650 rds/m approx

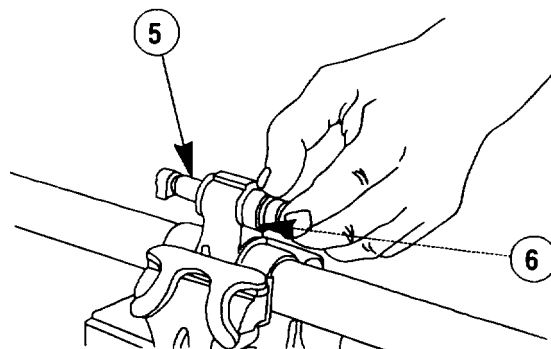
Setting number 2 = 750 rds/m approx

Setting number 3 = 950 rds/m approx



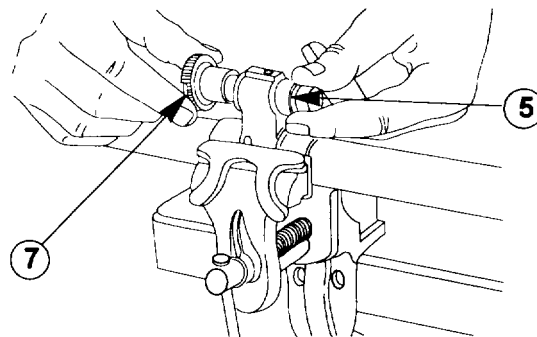
3

Place plug (5) with gas inlet setting number 1 (6) hole facing the barrel.



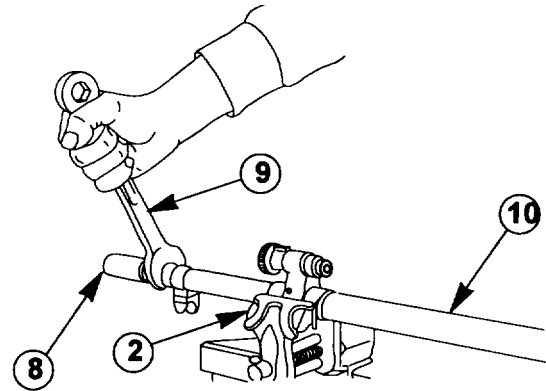
4

Install collar (7) on plug (5). Rotate (7) until it slips onto plug (5). Press in and rotate to lock in place (pull collar (7) to be sure it is in the locked position).



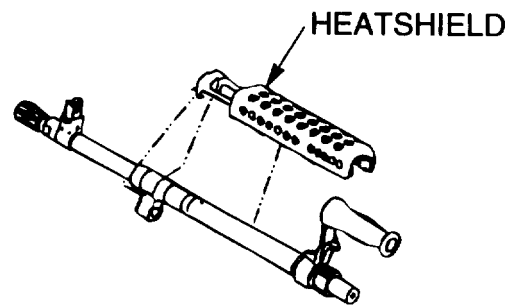
5

- a. Install flash hider/suppressor (8) on barrel and tighten securely using 23mm box and open end combination wrench (9).
- b. Remove barrel assembly (10) from vise (2).



6

Attach heatshield to barrel (M240B only).





## 2-11. MAINTENANCE OF FRONT SIGHT ASSEMBLY (M240BIM240E1/M240G)

### This task covers:

Disassembly/Repair/Reassembly

### INITIAL SETUP

#### Tools and Special Tools

Tool Kit, Small Arms Repairman,  
PN SC 5180-95-CL-A07;  
TAMCN E28292E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

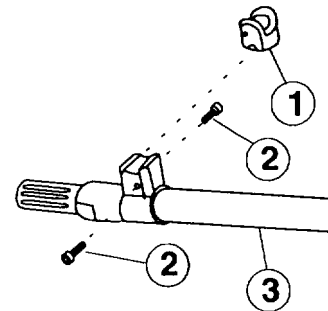
#### Materials/Parts

Spring pin, PN MS51923-97

### DISASSEMBLY/REPAIR/REASSEMBLY I

1

Remove two front sight adjusting screws (2) and remove front sight assembly (1) from the barrel (3).

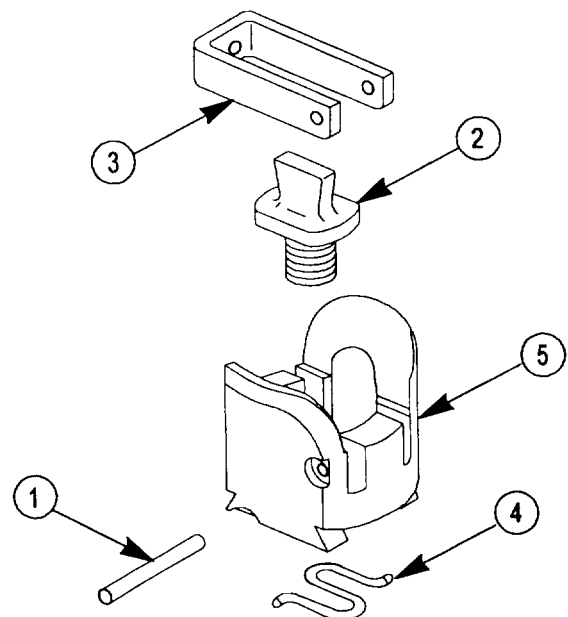


2

a. Remove front sight adjusting spring (4), spring pin (1), front sight retaining strap (3), and front sight blade (2), from front sight protector (5). Discard spring pin.

b. Repair by replacing unserviceable components.

c. Install front sight blade (2), front sight retaining strap (3), new spring pin (1), and front adjusting spring (4) in front sight protector (5).



## 2-12. MAINTENANCE OF THE BUFFER AND SPADE GRIP ASSEMBLY (M240E1 ONLY)

This task covers:

Disassembly/Repair/Reassembly

### INITIAL SETUP

#### Tools and Special Tools

Tool Kit, Small Arms Repairman,  
PN SC 5180-95-CL-A07;  
TAMCN E28292E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

#### Materials/Parts

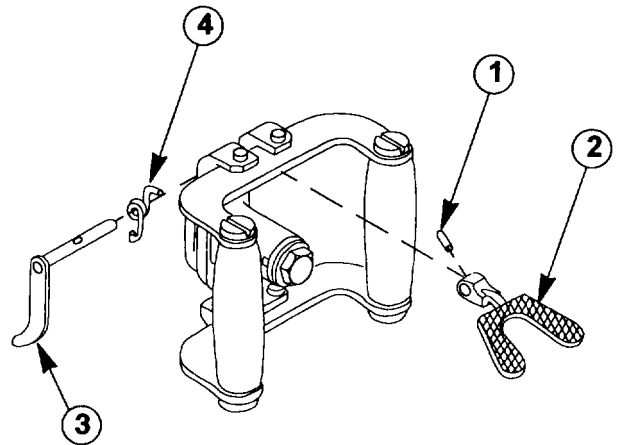
Spring pin, PN MS39086-80

#### Equipment Condition

Buffer and spade grip assembly removed  
(TM 9-1005-313-10/TM 08670A/09712A-10/1 B)

### DISASSEMBLY/REPAIR/REASSEMBLY

- Drive out and discard spring pin (1).
- Remove trigger assembly (2), arm assembly (3), and helical spring (4).
- Repair by replacing unserviceable components.
- Install helical spring (4), arm assembly (3), and trigger assembly (2).
- Secure with new spring pin (1).



## 2-13. MAINTENANCE OF BUTTSTOCK AND BUFFER ASSEMBLY (M240B/M240G)

This task covers:

Disassembly/inspection/Repair/Reassembly

INITIAL SETUP

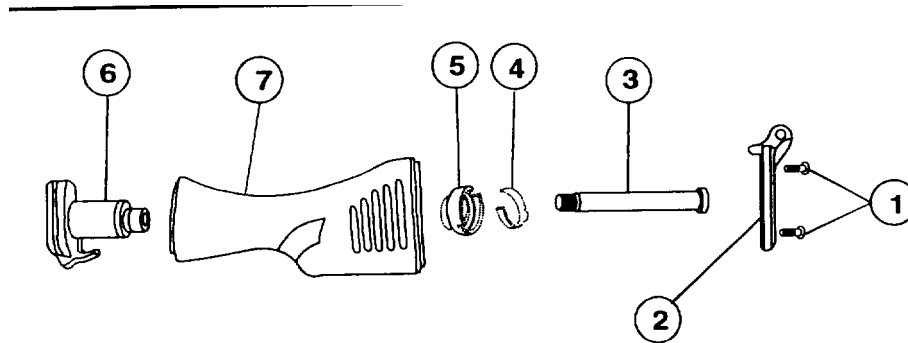
### Tools and Special Tools

Tool Kit, Small Arms Repairman,  
PN SC 5180-95-CL-A07  
TAMCN E28292E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

### Equipment Condition

Buttstock and buffer assembly removed  
from receiver (TM 9-1005-313-10/  
TM 08670A/09712A-10/1 B)

## DISASSEMBLY



- Remove two screws (1) from buttplate (2).
- Remove the butt securing screw (3) from buttstock. The locking ring (4) and securing screw bushing (5) are not to be removed at unit maintenance (visual inspection only).

### NOTE

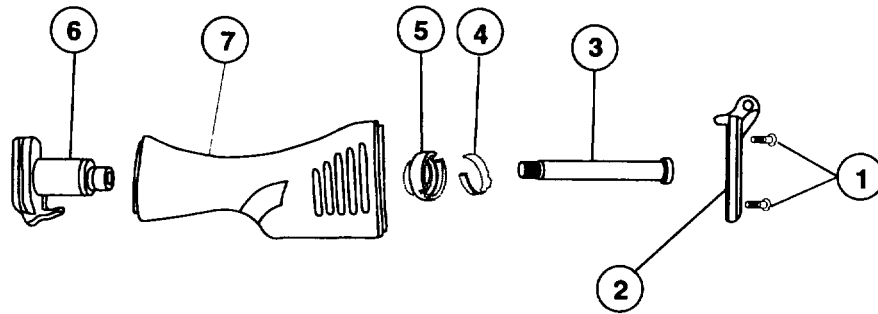
**Disassembly of the buffer housing and plug assembly (6) is not authorized at unit maintenance.**

- Remove buffer housing and plug assembly (6) from the buttstock assembly (7) to inspect locking ring and bushing.

## INSPECTION/REPAIR

- Visually inspect the buttstock for cracks. If cracked, replace buttstock.
- Inspect the screws for burrs or stripped threads, if found, replace. If hollow buttstock securing screw is broken or cracked, replace.
- Check buttplate for cracks, deformations and burrs. Remove burrs with file. If cracked or deformed, replace buttplate.
- If buffer housing and plug assembly need repair, evacuate to direct support maintenance.

## REASSEMBLY



- a. Install the buffer housing and plug assembly (6) in to the front end of the buttstock (7); secure firmly with the butt securing screw (3). Visually ensure the locking ring (4) and securing screw bushing (5) are physically in place within the buttstock.
- b. Attach the buttplate (2) using the two screws (1).

## 2-14. MAINTENANCE OF BOLT AND OPERATING ROD ASSEMBLY

This task covers:

- a. Disassembly      b. Inspection      c. Repair      d. Reassembly

### INITIAL SETUP

#### Tools and Special Tools

Tool Kit, Small Arms Repairman  
PN SC 5180-95-CL-A07;  
TAMCN E28292E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

#### Materials/Parts

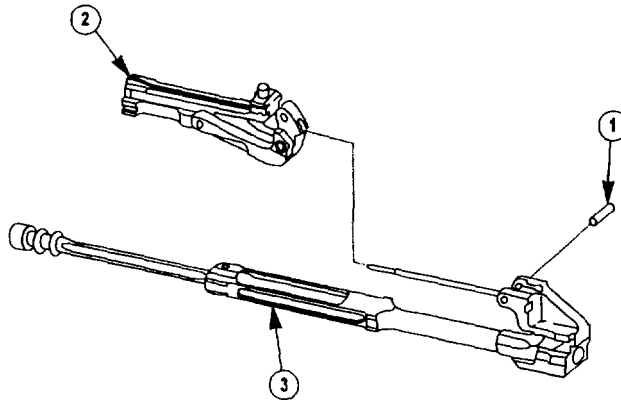
Crocus abrasive cloth (item 3, app D)

#### Equipment Condition

Bolt and operating rod assembly removed  
(TM 9-1005-313-10/TM 08670A/09712A-10/1B)

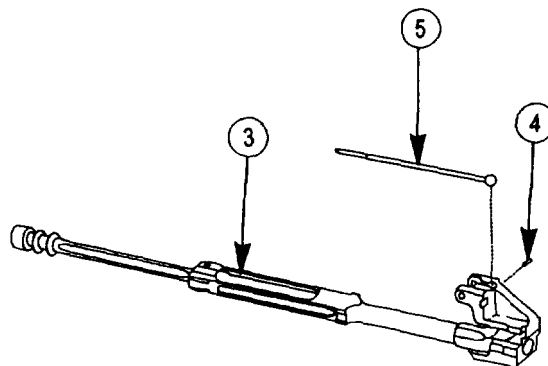
### DISASSEMBLY

1



Remove spring-loaded pin (1) and bolt assembly (2) from operating rod assembly (3).

2



Remove spring pin (4). Remove firing pin (5) from operating rod assembly (3).

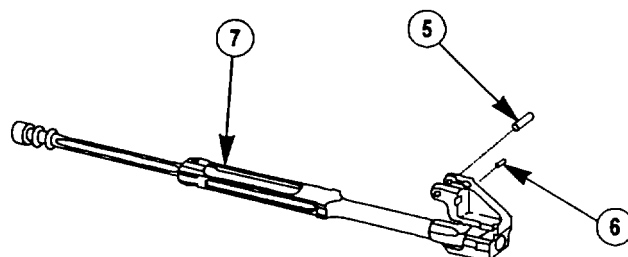
## INSPECTION

- a. Inspect spring loaded pin (5) and spring pin (6) for damage or burrs. Replace if damaged.

### NOTE

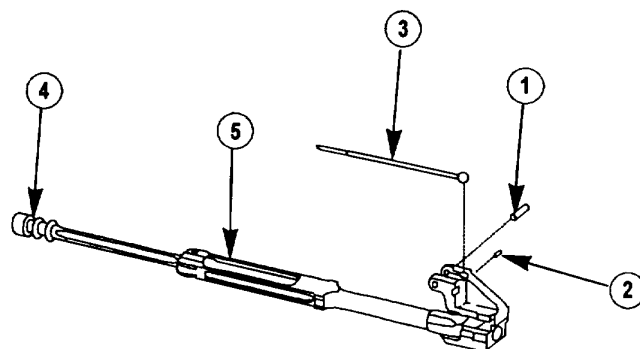
**Slight rotation of piston end of operating rod assembly (7) in its housing is normal and is not cause for rejection.**

- b. If operating rod assembly (7) is damaged, notify direct support maintenance (Marine Corps replace at unit maintenance).



## REPAIR

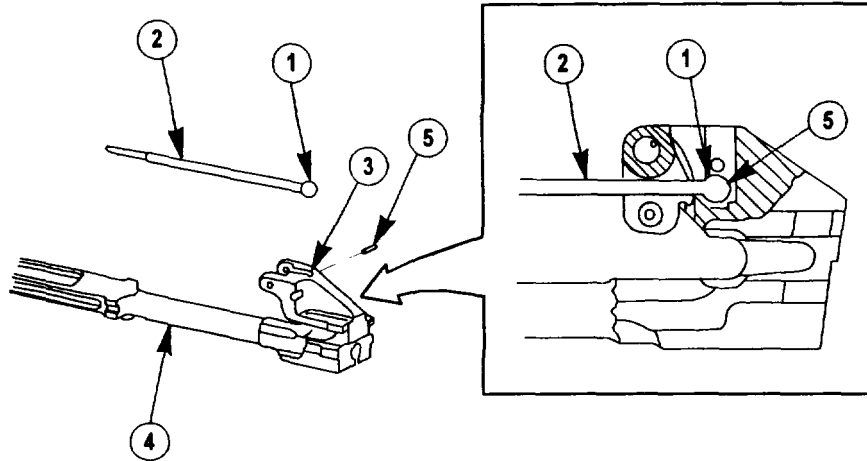
- a. Remove burrs from spring-loaded pin (1) with crocus cloth (item 3, app D). Replace if burrs cannot be removed.
- b. Replace spring pin (2) if damaged.
- c. Replace firing pin (3) if bent or broken.



## 2-14. MAINTENANCE OF BOLT AND OPERATING ROD ASSEMBLY (cont)

### REASSEMBLY

1

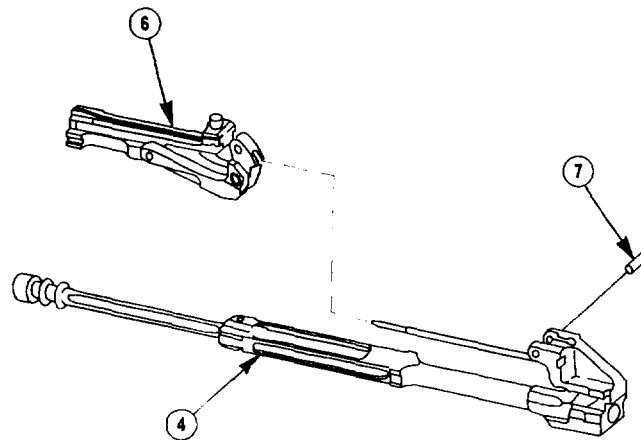


#### NOTE

**The ball end of the firing pin must be positioned in groove between the spring pin hole and the bottom of the groove in the operating rod assembly.**

- Install ball end (1) of the firing pin (2) into groove (3) in operating rod assembly (4).
- Install spring pin (5) so that the ball end (1) of firing pin (2) is properly seated in groove (3) of operating rod assembly (4).

2



- Install bolt assembly (6) in operating rod assembly (4) and secure with spring pin (7).
- Make sure bolt linkage moves freely, by moving bolt assembly (6) through range of operation. If movement is not free check spring pin (7) and mating surfaces for damage.

## 2-15. MAINTENANCE OF BOLT ASSEMBLY

### This task covers:

#### a. Disassembly

#### b. Cleaning

#### c. Inspection/Repair

#### d. Reassembly

### INITIAL SETUP

#### Tools and Special Tools

Combination tool, PN 11826059  
Ejector removing tool, PN 11826076  
Tool Kit, Small Arms Repairman,  
PN SC 5180-95-CL-A07;  
TAMCN E28292E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

#### Materials/Parts

Cleaner, lubricant and preservative (CLP),  
(item 1, app D)

#### Materials/Parts (cont)

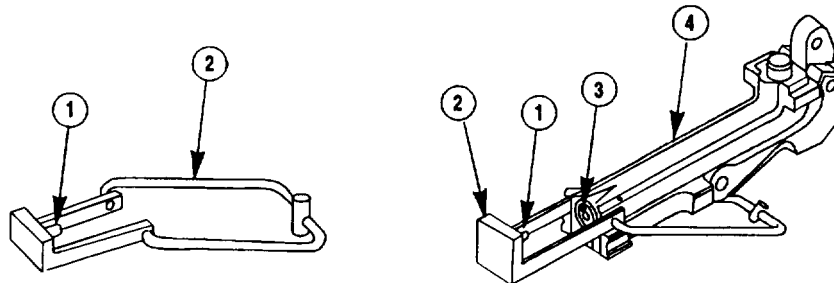
Solvent cleaning compound (RBC)  
(item 2, app D)  
Spring pin, PN 11826068-3  
Weapons lubricating oil (as required)  
Wiping rag (item 10, app D)

#### Equipment Condition

Bolt assembly disassembled from  
operating rod (p2-30)

### DISASSEMBLY

1



Align pin (1) of ejector removing tool (2) with groove in ejector (3) in bolt assembly (4).

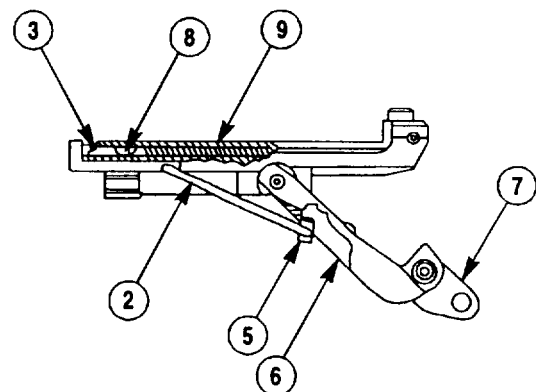
2

- a. Insert stud (5) into locking recess (6) of locking lever (7).

### WARNING

**Point bolt face away from your face and away from other personnel. The spring can fly out and cause injury.**

- b. Apply pressure to ejector (3) by pushing up on locking lever (7) to relieve spring tension on helical compression ejector spring (9) and drive out spring pin (8). Discard spring pin.
- c. Release and remove ejector removing tool (2).



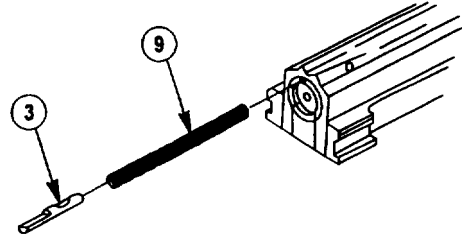


## 2-15. MAINTENANCE OF BOLT ASSEMBLY (cont)

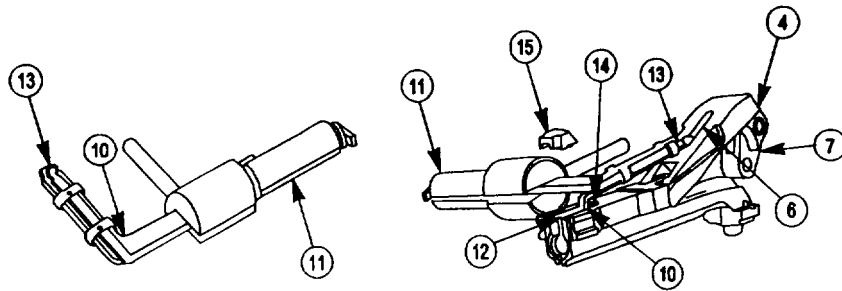
### DISASSEMBLY (cont)

3

Remove ejector (3) and helical compression ejector spring (9).



4



#### NOTE

Refer to appendix E for fabrication instructions of a protective cover for combination tool (11).

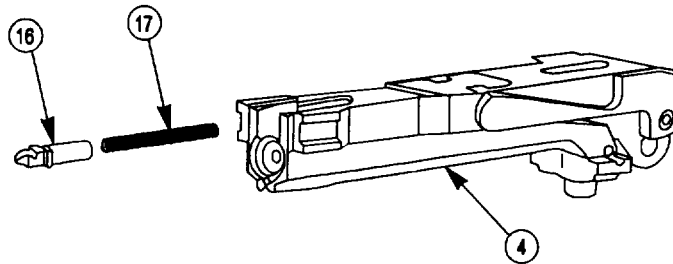
- a. Insert thin edge (10) of combination tool (11) in groove (12) of extractor plunger and thick edge (13) in locking recess (6) in bottom side of bolt assembly (4).

#### WARNING

**Point bolt face away from your face and away from other personnel. The spring can fly out and cause injury.**

- b. Hold combination tool (11) and push locking lever (7) downward to compress extractor spring assembly (14).
- c. Maintaining pressure on combination tool (11), remove extractor (15) by pushing down on front of it.

5



### WARNING

Point bolt face away from your face and away from other personnel. The spring can fly out and cause injury. Remove combination tool. Remove extractor plunger (16) and extractor spring assembly (17) from bolt assembly (4).

### CLEANING

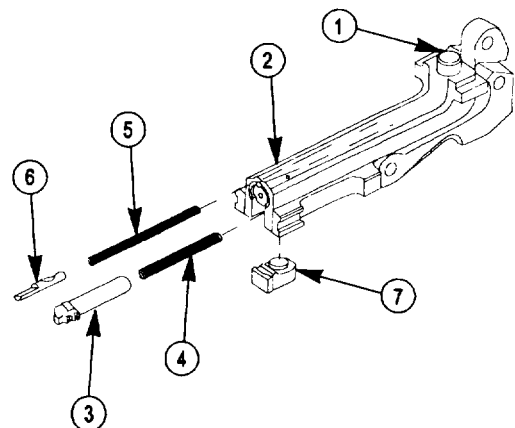
### CAUTION

Do not lubricate face of bolt assembly.

Remove dirt and corrosion from all parts using wiping rag (item 10, app D) dampened with RBC (item 2, app D) or CLP (item 1, app D). Lightly oil all parts, except top orifice of bolt assembly after cleaning.

### INSPECTION/REPAIR

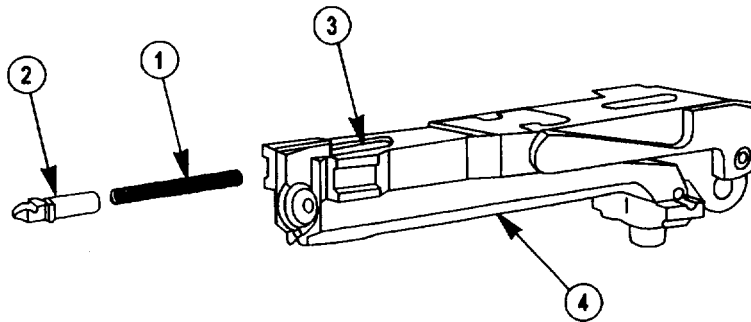
- a. Inspect roller (1) on top of bolt assembly (2) for free movement. If roller does not move freely, notify direct support maintenance. (Marine Corps replace at unit maintenance.)
- b. Be sure bolt linkage moves freely through range of operation. If it does not move freely, notify direct support maintenance. (Marine Corps replace at unit maintenance.)
- c. Inspect extractor plunger (3), extractor spring assembly (4), ejector (6), helical compression ejector spring (5), and extractor (7) for damage. Replace if damaged.
- d. Inspect bolt breech body (2). If bolt breech body is damaged, notify direct support maintenance.



## 2-15. MAINTENANCE OF BOLT ASSEMBLY (cont)

### REASSEMBLY

1

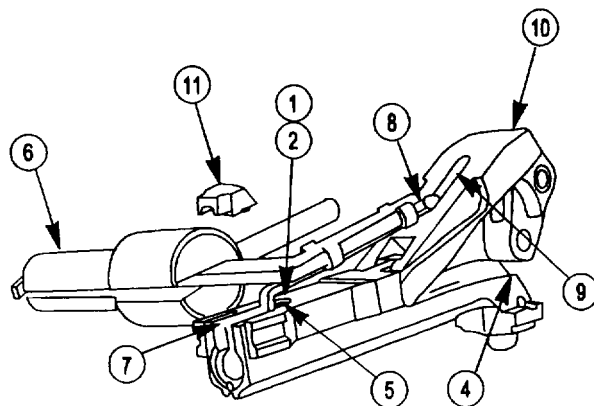


### WARNING

Point bolt face away from your face and away from other personnel. The spring can fly out and cause injury.

Make sure the first coil on one end of extractor spring assembly (1) is open slightly. Place the open end of extractor spring assembly (1) in extractor plunger (2). (The open end of the extractor spring assembly should hold the extractor spring assembly in the extractor plunger.) Place extractor spring assembly (1) and extractor plunger (2) in hole in bolt face (3) of bolt assembly (4) (extractor spring assembly end goes in first).

2



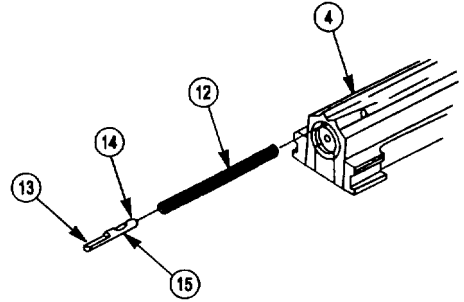
- Insert thin edge (5) of combination tool (6) in groove (7) of extractor plunger (2) and thick edge (8) in locking recess (9) in bottom side of bolt assembly (4).
- Hold combination tool (6) and push locking lever (10) downward to compress extractor spring assembly (1) and extractor plunger (2).
- Insert extractor (11) into bolt assembly (4). Release combination tool (6) until extractor plunger (2) makes contact with extractor (11).
- Remove combination tool (6).

3

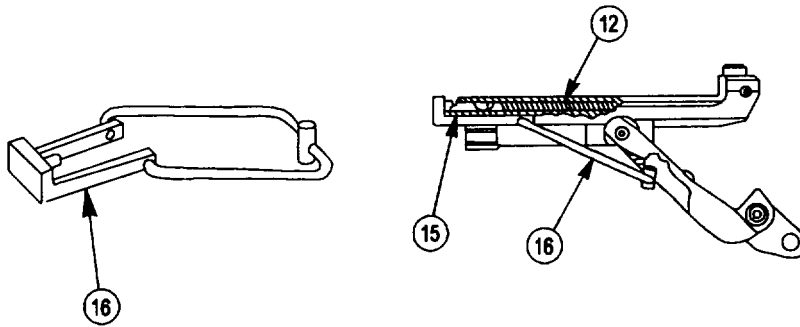
**WARNING**

**Point bolt face away from your face and away from other personnel. The spring can fly out and cause injury.**

- a. Install helical compression ejector spring (12) in bolt assembly (4).
- b. With groove (13) facing upward (shoulder end (14) goes in first), install ejector (15) in bolt assembly (4).



4



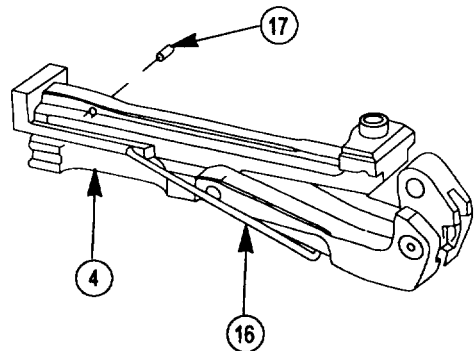
**WARNING**

**Point bolt face away from your face and away from other personnel. The spring can fly out and cause injury.**

**Install ejector removing tool (16). Apply pressure to ejector (15) and compress helical compression ejector spring (12) with ejector removing tool (16).**

5

Install new spring pin (17) in bolt assembly (4). Spring pin (17) should be flush or slightly below flush. Remove ejector removing tool (16).



## 2-16. MAINTENANCE OF TRIGGER HOUSING ASSEMBLY (M240/M240C/M240E1)

This task covers:

- a. Disassembly      b. Cleaning/Inspection/Repair      c. Reassembly

### INITIAL SETUP

#### Tools and Special Tools

Tool Kit, Small Arms Repairman,  
PN SC 5180-95-CL-A07;  
TAMCN E28292E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

#### Materials/Parts (cont)

Solvent cleaning compound (RBC)  
(item 2, app D)  
Weapons lubricating oil (as required)  
Wiping rag (item 10, app D)

#### Materials/Parts

Bar laundry soap (item 12, app D)  
Cleaner, lubricant and preservative (CLP),  
(item 1, app D)

#### Equipment Condition

Trigger housing assembly removed  
(TM 9-1005-313-10/TM 08670A/09712A-10/1 B)

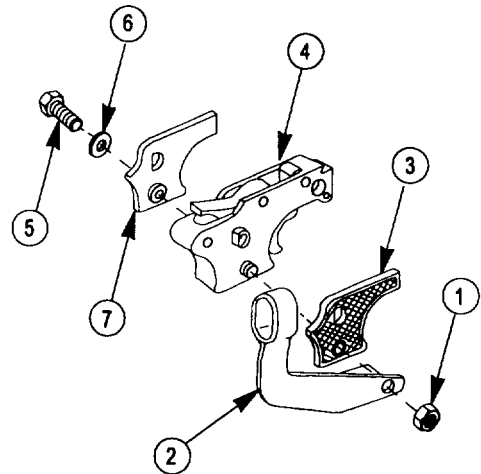
### DISASSEMBLY

1

#### NOTE

Charger cable guide and flat washer are only on the M240 and M240C models.

Unscrew self-locking nut (1), and remove charger cable guide (2) and right grip (3) from trigger housing (4). Remove hex head machine bolt (5), flat washer (6), and left hand grip (7) from trigger housing (4).

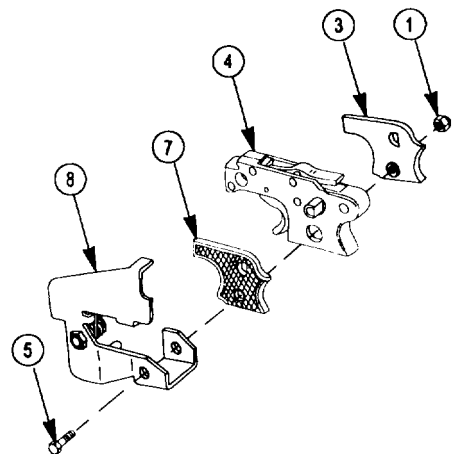


2

#### NOTE

The trigger actuating assembly is only on the M240E1 model (see p 2-43).

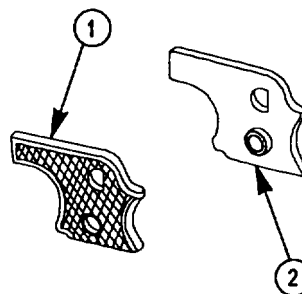
Unscrew self-locking nut (1), and remove right grip (3). Then remove hex head machine bolt (5), trigger actuating assembly (8), and left grip (7) from trigger housing (4).



## CLEANING/INSPECTION/REPAIR

1

- a. Remove dirt and corrosion on grips (1 and 2) with soap (item 12, app D) and water and wipe dry with rag (item 10, app D).
- b. Clean all other parts with wiping rag (item 10, app D) dampened with RBC (item 2, app D) or CLP (item 1, app D).

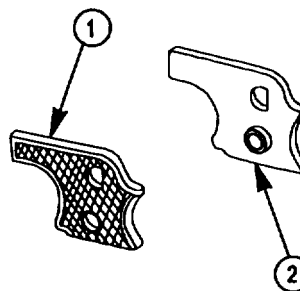
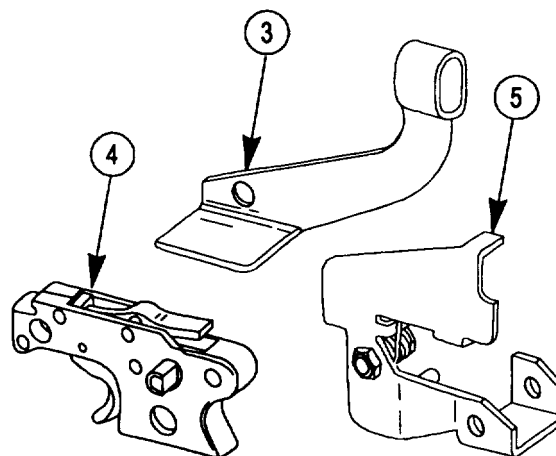


2

### NOTE

**Charger cable guide (3) is only on M240 and M240C models.**

- a. Inspect charger cable guide (3) for bends. Replace if bent.
- b. Inspect grips (1 and 2) for breaks and cracks. Replace if cracked or broken.
- c. If trigger housing (4) is damaged, notify direct support maintenance (Marine Corps repair at unit maintenance.) d. Repair or replace trigger actuating assembly (5) if damaged (p 2-43).
- e. Lightly oil after cleaning.

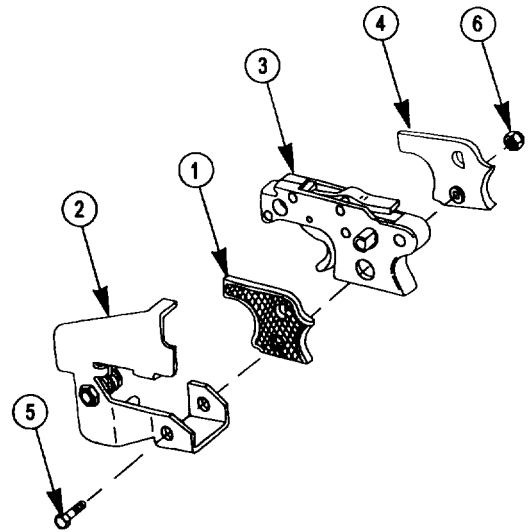


## 2-16. MAINTENANCE OF TRIGGER HOUSING ASSEMBLY (M240/M240C/M240E1) (cont)

### REASSEMBLY

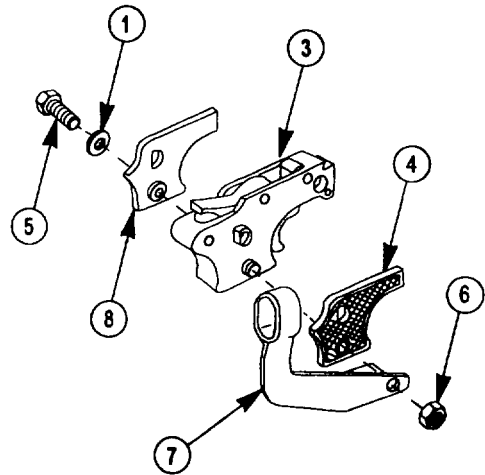
1

Install left grip (1) and trigger actuating assembly (2) in trigger housing (3). Install right grip (4), securing with hex head machine bolt (5) and self-locking nut (6).



2

- Install right grip (4) and charger cable guide (7) on right side of trigger housing (3).
- Install left grip (8), flat washer (1), and hex head machine bolt (5).
- Secure with self-locking nut (6).



## 2-17. MAINTENANCE OF TRIGGER HOUSING ASSEMBLY (M240B/M240G)

This task covers:

- a. Disassembly    b. Cleaning/Inspection/Repair    c. Reassembly

### INITIAL SETUP

#### Tools and Special Tools

Tool Kit, Small Arms Repairman,  
PN SC 5180-95-CL-A07;  
TAMCN E28292E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

#### Materials/Parts (cont)

Cleaning Compound, Solvent (RBC),  
(item 2, app D)  
Weapons lubricating oil (as required)  
Wiping rag (item 10, app D)

#### Materials/Parts

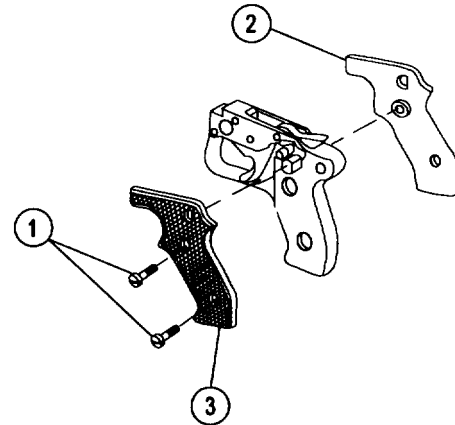
Bar laundry soap (item 12, app D)  
Cleaner, lubricant and preservative (CLP),  
(item 1, app D)

#### Equipment Condition

Trigger housing assembly removed  
(TM 9-1005-313-10/TM 08670A/09712A-10/1 B)

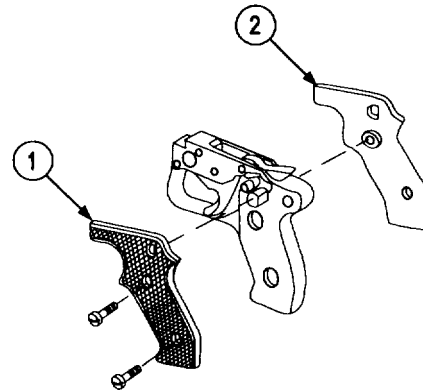
### DISASSEMBLY

Use a flat tipped screwdriver to remove the two machine bolts (1) holding the right (2) and left (3) grips in place.



### CLEANING/INSPECTION/REPAIR

- Remove dirt and corrosion on grips (1 and 2) with soap and water. Wipe dry with wiping rag.
- Clean all other parts with a wiping rag dampened in RBC or CLP. Apply light coat of lubricant to all surfaces except grips.



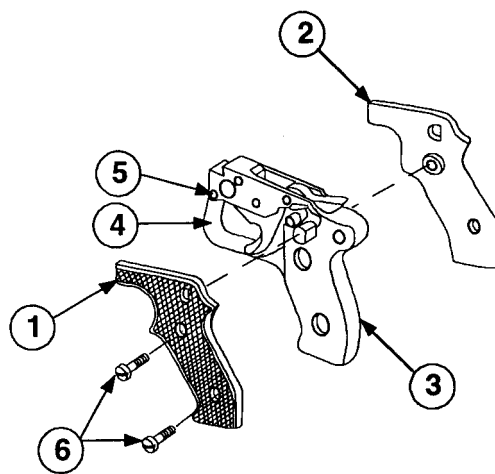


## 2-17. MAINTENANCE OF TRIGGER HOUSING ASSEMBLY (M240B/M240G) (cont)

### CLEANING/INSPECTION/REPAIR (cont)

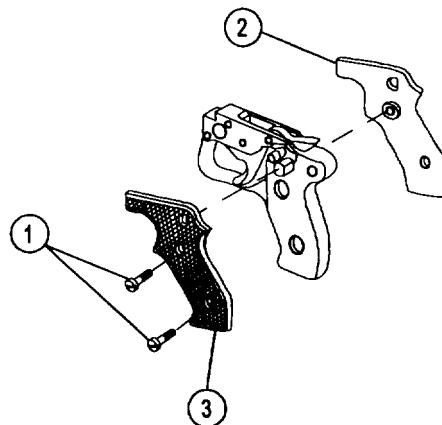
2

- a. Check trigger guard (4) and trigger guard pin (5) for cracks or bends. Replace if damaged or missing.
- b. Check trigger housing (3) for cracks and elongated holes. If any cracks or elongated holes are present notify direct support maintenance (Marine Corps repair at unit maintenance).
- c. Check grips (1 and 2) for cracks. If cracked replace the grip. Check for presence of two machine bolts (6), replace if missing.



### REASSEMBLY

- a. Place right (2) and left (3) grips in the proper positions on the trigger housing (1).
- b. Install machine bolts (6) and tighten securely, being careful not to overtighten the bolts.



## 2-18. MAINTENANCE OF TRIGGER ACTUATING ASSEMBLY (M240E1 ONLY)

This task covers:

Disassembly/Repair/Reassembly

### INITIAL SETUP

#### Tools and Special Tools

Tool Kit, Small Arms Repairman,  
PN SC 5180-95-CL-A07;  
TAMCN E28292E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

#### Materials/Parts

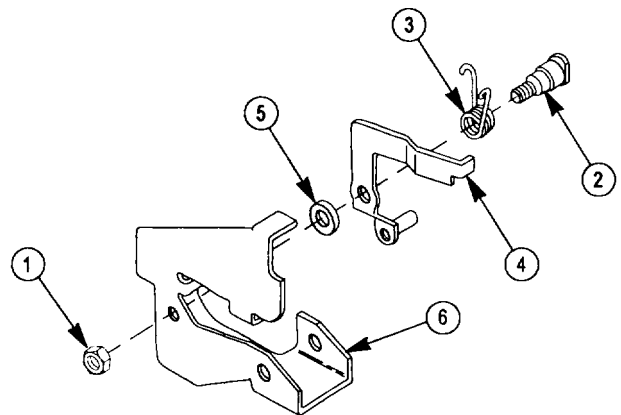
Self-locking nut, PN MS21083C5

#### Equipment Condition

Trigger actuating assembly removed (p 2-38)

### DISASSEMBLY/REPAIR/REASSEMBLY

- a. Remove self-locking nut (1) and trigger actuating link pivot (2) to release actuating link spring (3), link actuating assembly (4), and washer (5) from plate protecting body (6). Discard self-locking nut.
- b. Replace damaged parts.
- c. Install washer (5), link actuating assembly (4), actuating link spring (3) on plate protecting body (6) using trigger actuating link pivot (2) and new self-locking nut (1).



## 2-19. MAINTENANCE OF RECEIVER ASSEMBLY

This task covers:

- a. Disassembly                      b. Inspection/Repair                      c. Reassembly

### INITIAL SETUP

#### Tools and Special Tools

Tool Kit, Small Arms Repairman,  
PN SC 5180-95-CL-A07;  
TAMCN E28292E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

#### Materials/Parts

Cotter pin, PN MS24665-437  
Cotter pin (3), PN 590479  
Weapons lubricating oil (as required)

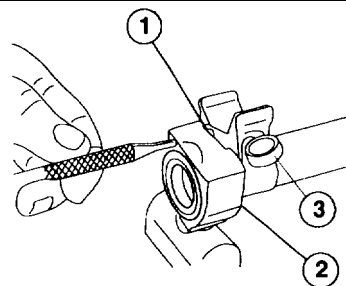
#### Equipment Condition

Receiver assembly with major components removed  
(TM 9-1005-313-10/TM 08670A/09712A-10/1 B)

### DISASSEMBLY

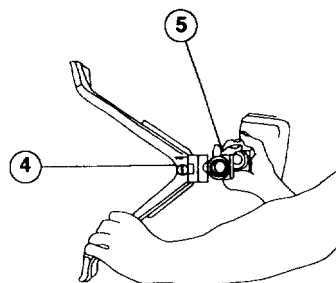
1

- a. Remove handguard (M240B only).
- b. Using a hammer and punch, drive the bipod retaining pin (1) out of the receiver (2). Remove front sling swivel from left side of receiver (3) (M240B/M240G).



2

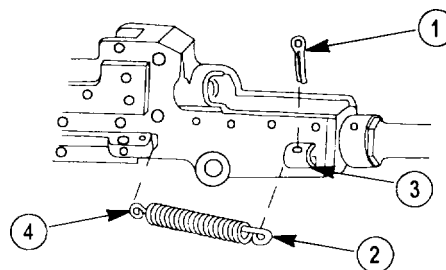
M240B/M240G: Swivel the bipod (4) 90 degrees from the receiver (5). Remove the bipod from the receiver.



3

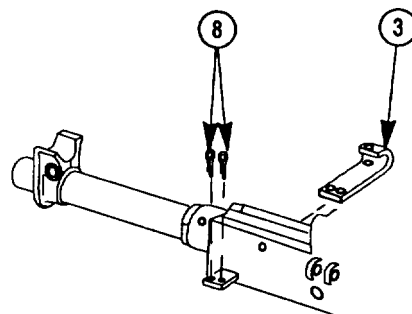
M240/M240C/M240E1:

- a. Remove cotter pin (1) securing extension spring (2) to spring mounting plate (3). Discard cotter pin (1).
- b. Spread coil at slide end (4) of extension spring (2) and rotate to remove.



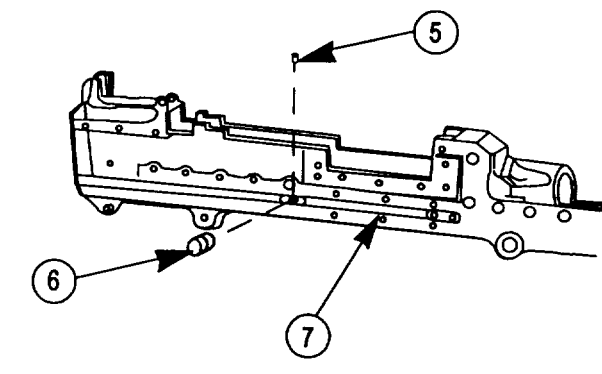
4

M240/M240C/M240E1: Remove and discard two cotter pins (8). Slide out spring mounting plate (3).



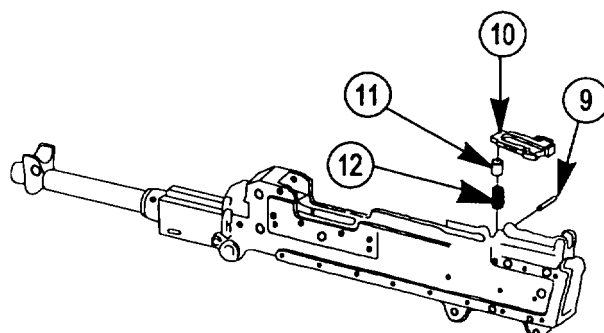
5

Remove pin (5) securing manual control handle (6) to charger slide (7), and remove manual control handle (6). Discard pin (5). (M240E1 only)



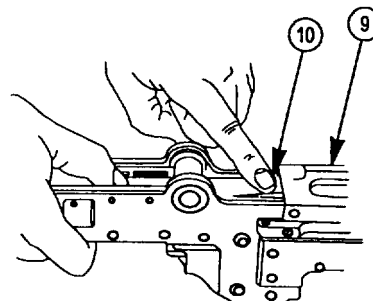
6

M240B/M240E1/M240G: Drive out headless straight pin (9) and remove rear sight assembly (10), rear sight plunger (11), and helical compression spring (12).



7

Turn receiver (9) upside down, depress rear tang of access cover (10) and slightly move it toward breech end.

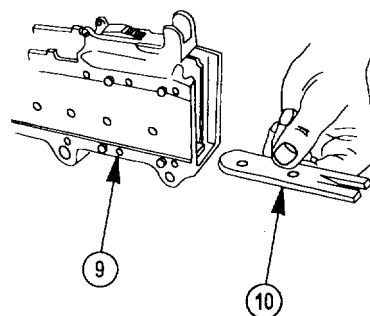


## 2-19. MAINTENANCE OF RECEIVER ASSEMBLY (cont)

### DISASSEMBLY (cont)

8

Turn receiver (9) over and slide access cover (10) out through breech end of receiver.

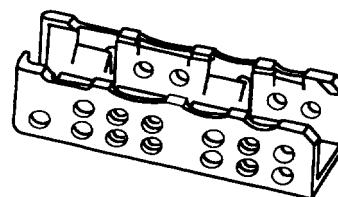


### INSPECTION/REPAIR

1

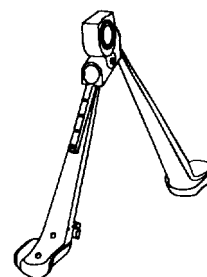
M240B:

- a. Inspect handguard for cracks and dents. If cracked or broken, replace handguard.
- b. Check for proper retention on receiver. Replace if handguard cannot be retained securely to the receiver.
- c. Ensure proper operation of ejection port cover. If damaged, evacuate to direct support maintenance.



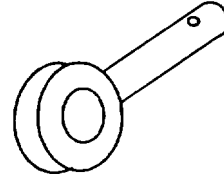
2

M240B/M240G: Inspect bipod assembly for cracks and bends. Ensure legs move freely on bipod socket swivel.

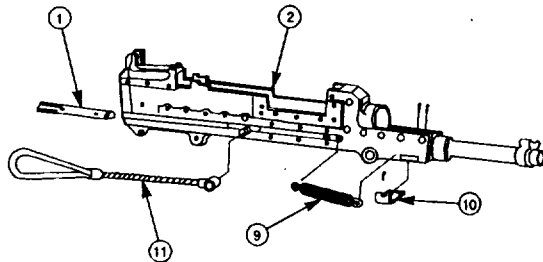


3

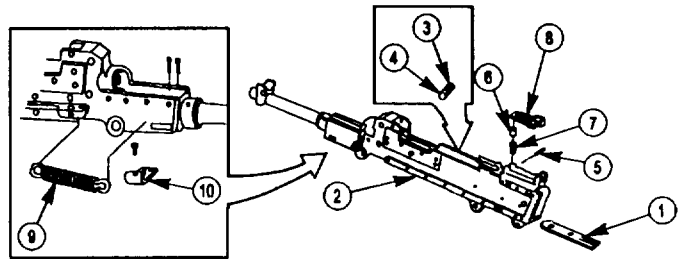
M240B/M240G: Inspect sling swivel for cracks or wear. Replace if damaged.



4



M240/M240C



M240B/M240E1/M240G

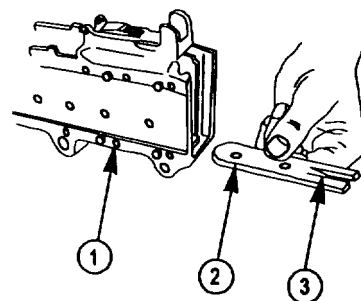
- a. Check extension spring (9) for distortion and breaks. Replace if distorted or broken (M240/M240C/M240E1).
- b. Check access cover (1) for breaks or bends. Replace if bent or broken.
- c. M240/M240C: Check charger cable (11) for broken wire strands or missing rubber handle. Replace if wire strands are broken or rubber handle is missing. If rubber handle is torn or cracked replace assembly. M240E1: Inspect manual control handle (3) and pin (4) for damage. Replace if damaged. M240B/M240G: Inspect manual control handle assembly for damage. Replace if damaged.
- d. Check spring mounting plate (10) for distortions and cracks. Replace if distorted or cracked (M240/M240C/M240E1).
- e. Inspect headless straight pin (5), rear sight plunger (6), and helical compression spring (7) for damage. Replace if damaged (M240B/M240E1/M240G).
- f. Visually check receiver (2) for damage. Ensure ejection port cover operates properly (M240B only). If receiver (2) is damaged or ejection port cover does not operate properly (M240B only), notify direct support maintenance.
- g. Replace extension spring (9) (M240/M240C), and charger cable (11) (M240/M240C) if damaged.
- h. Lightly oil all parts before reassembly.

## 2-19. MAINTENANCE OF RECEIVER ASSEMBLY (cont)

### REASSEMBLY

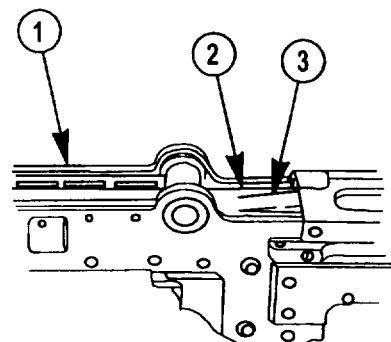
1

With receiver (1) right side up, install access cover (2). Place solid end in first with bent end of tang (3) pointed downward. Slide cover (2) forward until tang (3) clicks into locked position in receiver (1).



2

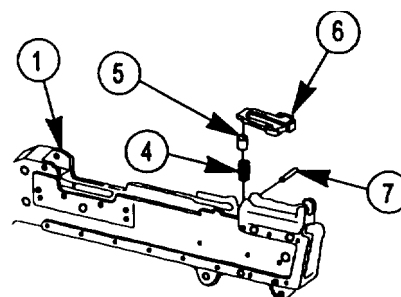
Turn receiver (1) over and make sure access cover (2) and tang (3) are in correct position.



3

M240B/M240G:

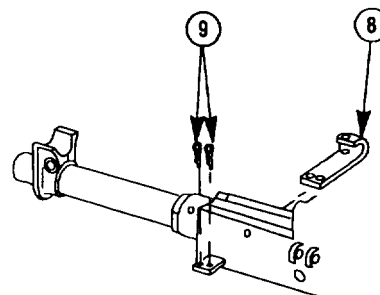
Turn receiver (1) over and install helical compression spring (4), rear sight plunger (5), and rear sight assembly (6). Align holes in sight assembly (6) with holes in receiver (1) and install headless straight pin (7).



4

M240/M240C/M240E 1:

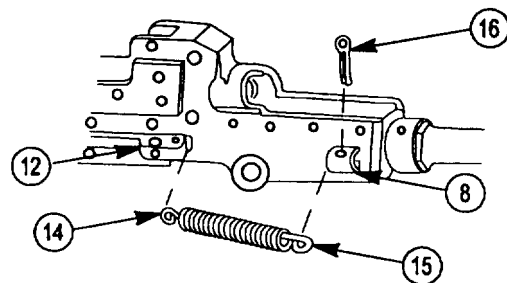
Install spring mounting plate (8) from right side with curved end up. Install new cotter pins (9) with heads up. Spread legs of cotter pins (9) to secure.



5

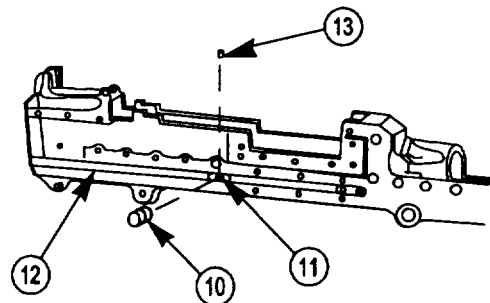
M240/M240C/M240E 1:

Spread rear end (14) of extension spring (15) and hook to charger slide (12). Rotate extension spring (15) and secure new cotter pin (16) in spring mounting plate (8). Spread end of cotter pin (16) to secure.



6

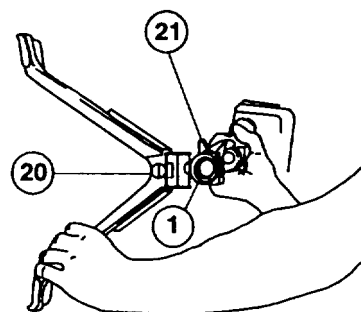
Install manual control handle (10) to post (11) of charger slide (12), and install new pin (13) (M240E1 only).



7

M240B/M240G:

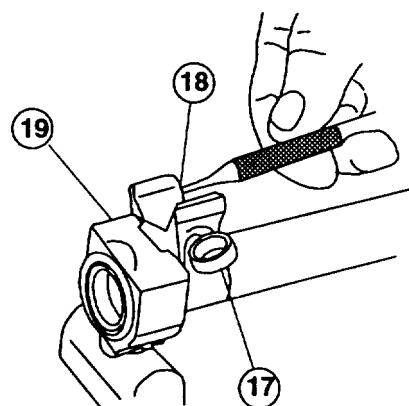
Reattach the bipod assembly (20) to the receiver (1) by aligning the gaps in the bipod head (21) with the flanges on the receiver (1). Swivel the bipod assembly (20) so it is in the upright position.



8

M240B/M240G:

- Insert front sling swivel (17) into position from the left side of the receiver.
- Use a punch and hammer to install the bipod retaining pin (18) into the cut-out in the bipod head (19).
- Ensure bipod retaining pin (18) is loose enough to prevent binding of the bipod head (19).
- Ensure proper operation of bipod latch.





## 2-20. MAINTENANCE OF REAR SIGHT ASSEMBLY (M240B/M240E1/M240G)

This task covers:

Disassembly/Repair/Reassembly

### INITIAL SETUP

#### Tools and Special Tools

Tool Kit, Small Arms Repairman,  
PN SC 5180-95-CL-A07;  
TAMCN E28292E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

#### Materials/Parts

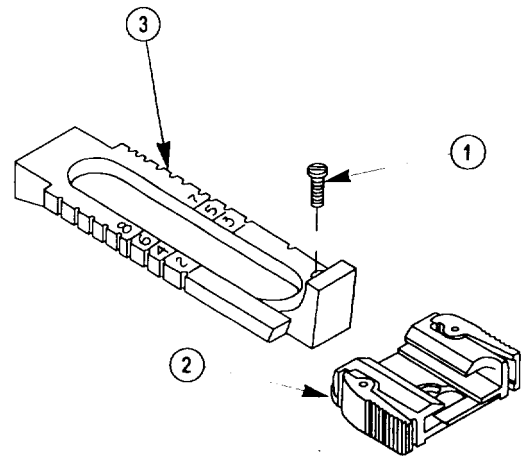
Sealing compound (item 11, app D)

#### Equipment Condition

Rear sight assembly removed (p2-44)

### DISASSEMBLY/REPAIR/REASSEMBLY

- a. Remove stop screw (1) and slide assembly (2) from rear sight leaf (3).
- b. Repair by replacing unserviceable components.
- c. Install slide assembly (2) on rear sight leaf (3) using stop screw (1).
- d. Apply thread locking sealing compound (item 13, app D) to stop screw (1) in accordance with MIL-S-46163.



## 2-21. MAINTENANCE OF SLIDE ASSEMBLY (M240B/M240E1/M240G)

This task covers:

- a. Disassembly/Inspection/Repair      b. Reassembly

### INITIAL SETUP

#### Tools and Special Tools

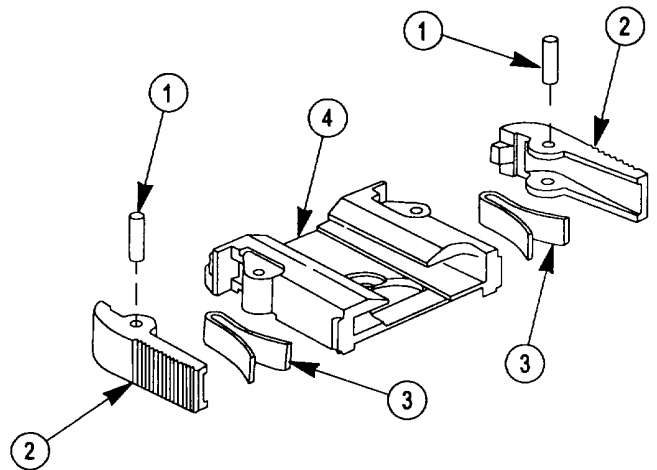
Tool Kit, Small Arms Repairman,  
PN SC 5180-95-CL-A07;  
TAMCN E28292E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

#### Equipment Condition

Slide assembly removed (p2-50)

### DISASSEMBLY/INSPECTION/REPAIR/REASSEMBLY

- a. Drive out two headless straight pins (1) and remove two rear sight catches (2) and two rear sight catch springs (3) from rear sight slide (4).
- b. Visually inspect all components for damage.
- c. Repair by replacing unserviceable components.
- d. Install two rear sight catch springs (3) and two rear sight catches (2) in rear sight slide (4) securing with two headless straight pins (1).
- e. Place the complete slide assembly on a rigid surface. Using a 1/8 inch punch, slightly peen the top of the headless straight pin (1) until it will not slide down through the pin hole in the rear sight catch (2). Peen the opposite end of headless straight pin (1). Headless straight pin (1) must protrude through both sides of the rear sight catch (2).



## 2-22. ADJUSTMENT OF SIGHTS (M240B/M240E1/M240G)

1

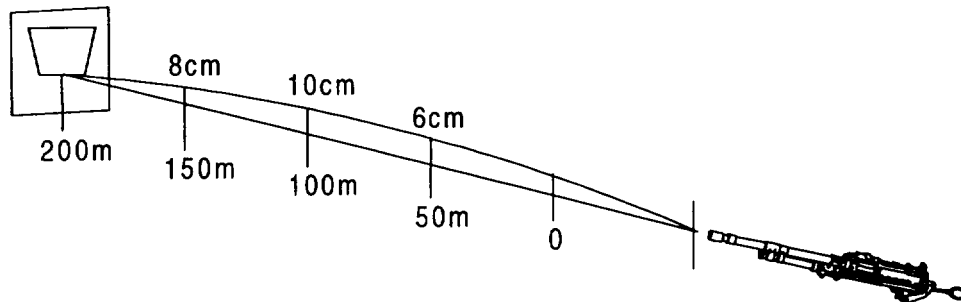
### NOTE

Perform this adjustment procedure only if barrel assembly/front sight assembly has been replaced or if there is a new operator.

Check the following before adjustment:

- Cleanliness of the barrel front sight.
- Cleanliness of contact surfaces of the barrel adapter, barrel, and receiver.
- Rigidity and good condition of the slides and rear sight base.
- Correct assembly of flash hider/suppressor.
- Correct assembly of barrel to receiver.

2



The M240E1 machine gun is usually zeroed at 200 meters. To set the sight for shorter distances, obtain the following mean points, taking into account the elements of the bullet trajectory and the displacement angle between the "line of sight" and the "line of elevation" of the barrel.

Firing at:	50 cm	+6 cm from point sighted
	100m	+10 cm from point sighted
	150m	+8 cm from point sighted
	200m	0 or on point sighted

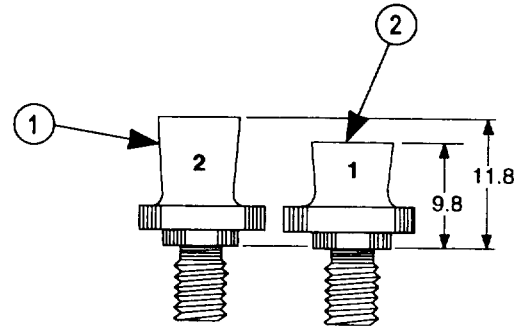
For the M240B/M240G machine gun set rear sight elevation at 500 meters. With a target at 10 meters, hold a tight/well supported point of aim, point of impact sight picture and fire three rounds, one at a time, taking time to realign the sight picture between shots.

3

**NOTE**

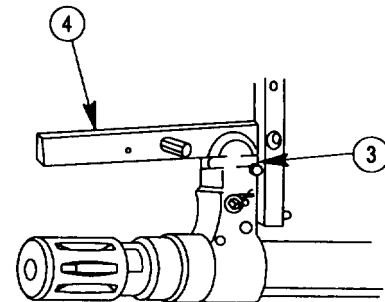
There are two types of blades, the high blade (11.8mm) (1) and the low blade (9.8mm) (2).

Corrections for elevation will be made by screwing or unscrewing the front sight blade. Lower the mean point of impact (M.P.I.) (firing too high) by unscrewing (raising) the blade. Raise the M.P.I. (firing too low) by screwing down (lowering) the blade.



4

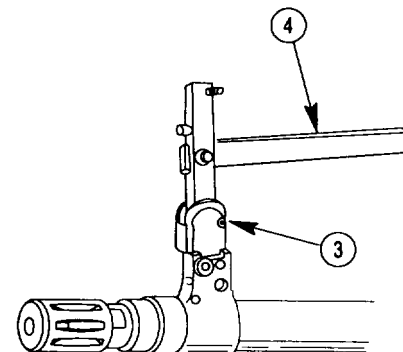
Turn the front sight retaining strap (3) to the vertical position using the front sight adjusting tool (4).



5

- Screw or unscrew the blade one or more half turns using front sight adjusting tool (4) according to the direction and extent of the error to be corrected.
- For the M240E1 turn the blade a half-turn for a movement of M.P.I. of 5.4 cm at 100 meters thus: in cm

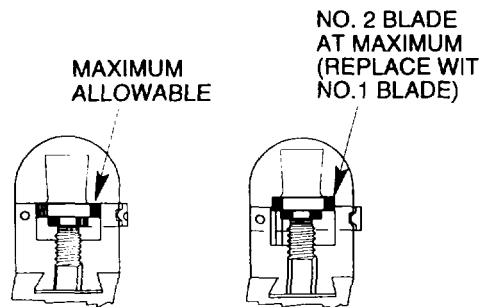
in cm	50m	100m	200m
1/2 turn	2.7 cm	5.4 cm	10.8 cm
1 turn	5.4 cm	10.8 cm	21.6 cm



- For M240B/M240G at a range of 10 meters, one-half turn of the post blade will move the strike of the bullet by approximately .50 cm (1/5 inch). One full turn of the post blade will move the strike of the bullet by approximately 1.00 cm (approximately 3/8 inch).
- When adjustment for elevation is finished, lock the retaining strap (3) to its detent so that the blade is secured in the required position.

2-22. ADJUSTMENT OF SIGHTS (M240B/M240E1/M240G) (cont)

6



- a. To raise the M.P.I.: If the required correction cannot be obtained with the No. 2 blade screwed fully clockwise, it must be replaced by the No. 1 blade. The No. 1 blade must be screwed fully clockwise; then counterclockwise two full turns to approximate M.P.I. of blade No. 1.
- b. To lower the M.P.I.: If the required correction cannot be obtained with the No. 1 blade at maximum (at maximum, the base of the blade is flush with front sight protector surface), it must be replaced with a No. 2 blade. Starting at flush position, two full turns clockwise should approximate the M.P.I. of blade No. 1.

If during either of the above procedures, the M.P.I. cannot be brought to the line of sight then the spare/BII barrel should be used and a new barrel assembly acquired. If neither barrel assembly works, the weapon should be coded and turned in through normal channels.

### NOTE

Errors in azimuth are corrected by the lateral movement of the front sight protector. For example, if the M.P.I. is to the right of the point sighted, the protector must be moved toward the right.

Lateral movement of the protector is effected by using the two adjusting screws positioned on the left and right of the front sight band. The base head of the screw is notched for 8 clicks which form the clicking device with the spring. Each one-click turn of the screw moves the protector by an amount equal to a movement of M.P.I. of 1 cm at 100m.

- a. To move the M.P.I. to the right, unscrew the left-hand screw by a turn or two (looking at the weapon from the rear toward the front). Screw the right-hand screw by as many clicks as the correction needs (see table below). Screw the left-hand screw fully home.
- b. To move the M.P.I. to the left, unscrew the right-hand screw by a turn or two. Screw the left-hand screw by as many clicks as the correction needs (see table below). Screw the right-hand screw fully home.

### NOTE

The table shows approximate movements in cm of M.P.I. at distances given below:

Number of Clicks	50m	100m	150m	200m
1	0.5	1	1.5	2
2	1	2	3	4
4 or 1/2 turn	2	4	6	8
8 or 1 turn	4	8	12	16

### NOTE

There is a front sight adjusting screw of a former type with 24 divisions, or clicks, which is interchangeable with the screw for 8 clicks. This screw gives an approximate movement in cm of M.P.I. at distances given below:

Number of Clicks	50m	100m	150m	200m
3	0.5	1	1.5	2
6	1	2	3	4
12 or 1/2 turn	2	4	6	8
24 or 1 turn	4	8	12	16

- c. At a range of 10 meters, one complete rotation (360 degrees) of the adjusting screws will move the point of impact .80 cm (approximately 1/3 inch). As the adjusting screws are turned, noticeable clicks (eight per revolution) should be detected. If this is not the case, have the unit armorer replace the protector assembly or the detent spring.

**2-22. ADJUSTMENT OF SIGHTS (M240B/M240E11M240G) (cont)**

**8**

Once the shot group is confirmed to be centered, check for play in the front sight assembly by lightly clamping between finger and thumb and attempting to move the sight assembly laterally. If there is no play evident, the windage adjustment is completed. If play is evident, carefully check both screws for looseness.

**9**

The 10 meter qualification course is fired with the Battle Sight Zero established as above with the rear sight set for 500 meters. Since the Battle Sight Zero procedure above calibrates the rear sight for all targets within the effective range band of the machine gun, the estimated range to any other target should be placed on the rear sight and a good sight picture obtained before firing.

CHAPTER 3  
DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

**CHAPTER OVERVIEW.** This chapter contains information and instructions for the repairman to help keep the machine gun in good repair. The chapter consists of repair parts, special tools, and support equipment, troubleshooting, and maintenance procedures.

Section I. REPAIR PARTS, SPECIAL TOOLS, TMDE, AND SUPPORT EQUIPMENT

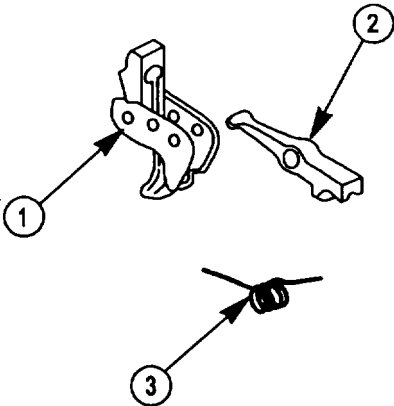
- 3-1. COMMON TOOLS AND EQUIPMENT.** For authorized common tools and equipment refer to the Modified Table of Organization and Equipment (MTOE) applicable to your unit.
- 3-2. SPECIAL TOOLS, TMDE, AND SUPPORT EQUIPMENT.** Special tools are listed in Appendix C of this manual. Tools and test equipment are listed in Appendix B of this manual. There is no TMDE for the item.
- 3-3. REPAIR PARTS.** Repair parts are listed and illustrated in the repair parts and special tools list (Appendix C) covering unit and direct support maintenance for this equipment.

Section II. TROUBLESHOOTING

- 3-4. DIRECT SUPPORT TROUBLESHOOTING.** Refer to troubleshooting table for malfunctions, tests and corrective actions.

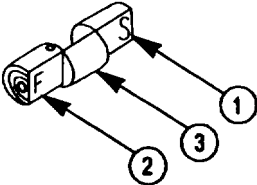
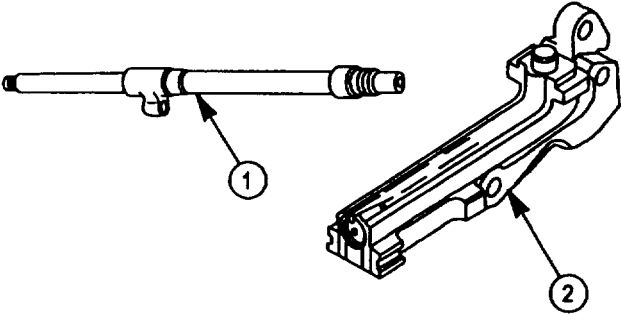
TROUBLESHOOTING TABLE

MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
<b>1. FAILURE TO COCK OR RUNAWAY GUN.</b>		
	Defective or broken parts in trigger (1), sear (2), or sear spring (3).	
	Replace trigger, sear, or sear spring (p 3-39 or p 3-44).	





# TROUBLESHOOTING TABLE (cont)

MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
<b>2. SAFETY DOES NOT FUNCTION.</b>	<p>Step 1. Safety fails to hold positively in either the "S" (1) or "F" (2) position. Replace (p 3-39 or p 3-44).</p> <p>Step 2. Safety fails to slide properly. Clean and lubricate safety (3), or replace (p 3-39 or p 3-44).</p>	
<b>3. GUN RUPTURES CARTRIDGE CASES.</b>	<p>Check headspace (p 3-76). Replace barrel (1) (p 3-4), bolt assembly (2) (p 3-38), or both. If headspace fails test (p 3-76), the weapon is unserviceable.</p>	<p><b>NOTE</b></p> <p>Both barrels and bolt assembly must accompany receiver when weapon is turned in.</p>
		

## Section III. MAINTENANCE PROCEDURES

### NOTE

Do not mix lubricants on the same weapon. The weapon must be thoroughly cleaned during change from one lubricant to another. Dry cleaning solvent (item 4, app D) is recommended for cleaning during change from one lubricant to another.

Under all but the coldest arctic conditions, LSA (item 8, app D), CLP (item 1, app D) or LSAT (item 9, app D) (Marine Corps only) are the lubricants to use on your machine gun. For extreme cold conditions (00 or below) LAW (item 7, app D) is the recommended lubricant.

When a machine gun is received at direct support maintenance, all gaging requirements must be checked as a standard maintenance procedure.

Both barrels and bolt assembly must accompany receiver when weapon is turned in.

### 3-5. MAINTENANCE OF MACHINE GUN I

This task covers:	
a. Disassembly	b. Inspection/Repair/Reassembly
INITIAL SETUP	
References	
TM 9-1005-313-1 OTM 08670A/09712A-10/1B	

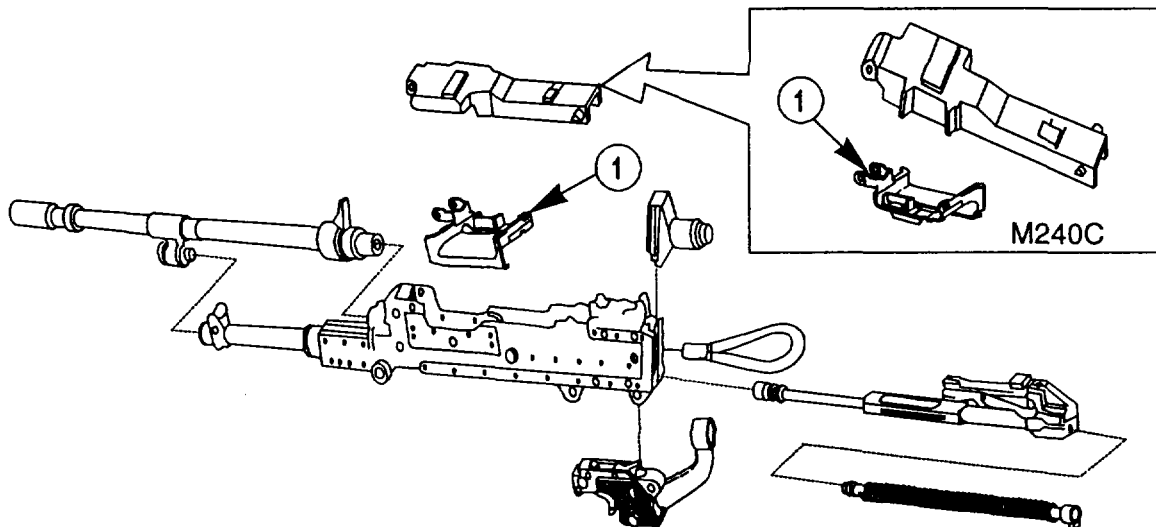
#### DISASSEMBLY

##### WARNING

Be sure to clear weapon before disassembling, cleaning, inspecting, transporting, or storing.

Field-strip (TM 9-1005-313-10/TM 08670A/09712A-10/1 B).

#### INSPECTION/REPAIR/DISASSEMBLY



- Visually inspect assemblies for damage. See appropriate maintenance procedure for repair.
- Inspect feed tray (1) for cracks or breaks. Replace feed tray (1) if damaged. If your feed tray (1) has rivets, ensure all are secure. If rivets are loose or missing, replace feed tray (1)
- Reassemble (TM 9-1005-313-10/TM 08670A/09712A-10/1B).

### 3-6. MAINTENANCE OF BARREL ASSEMBLY

This task covers:

- a. Testing      b. Disassembly      c. Inspection/Repair      d. Reassembly

#### INITIAL SETUP

##### Tools and Special Tools

Breech bore erosion gage, PN 11826298  
Muzzle and breechbore wear gage,  
PN 11826276  
Shop Set, Small Arms: Field Maintenance,  
Basic Less Power, PN SC 4933-95-CL-A11;  
TAMCN E26562 (Marine Corps only);  
TAMCN E2900, (Marine Corps only)

##### Materials/Parts

Spring pin, PN MS16562-122

##### Equipment Condition

Barrel removed (TM 9-1005-313-10/  
TM 08670A/09712A-10/1 B)

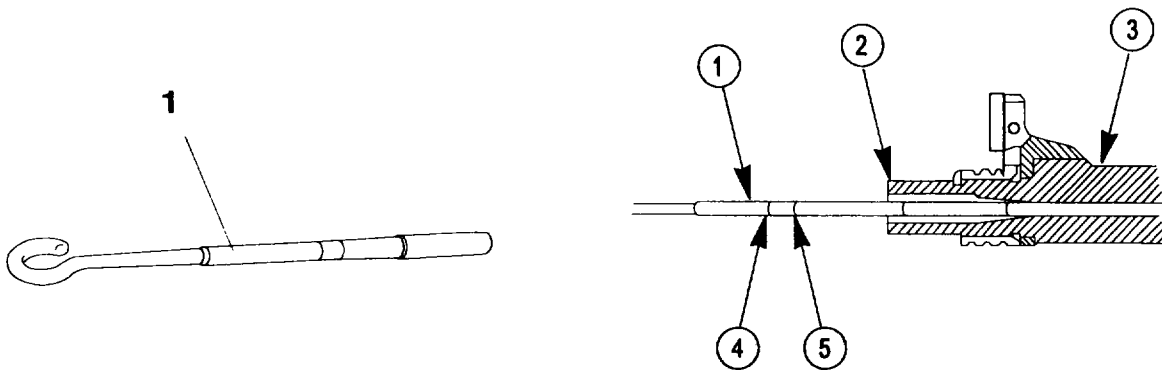
#### TESTING

1

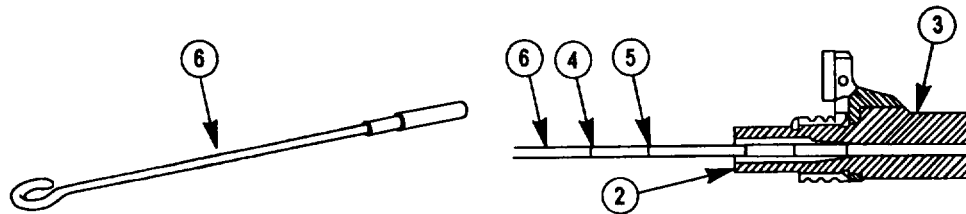
#### NOTE

**A clean bore is not necessarily a shiny bore and frequently it may have a dull gray appearance. A shiny, polished bore may indicate abrasives have been used. Abrasives will NOT be used on the bore, piston or inside of the gas cylinder.**

- a. Gently but firmly insert breech bore erosion gage (1) into breech end (2) of barrel (3) as far as it will go.
- b. Read gage (1) at the end of barrel breech (2). Replace barrel (3) if the rejection mark (4) on the gage enters the breech. The barrel is not suitable for overseas shipment if the reading exceeds the preembarkation warning mark (5).

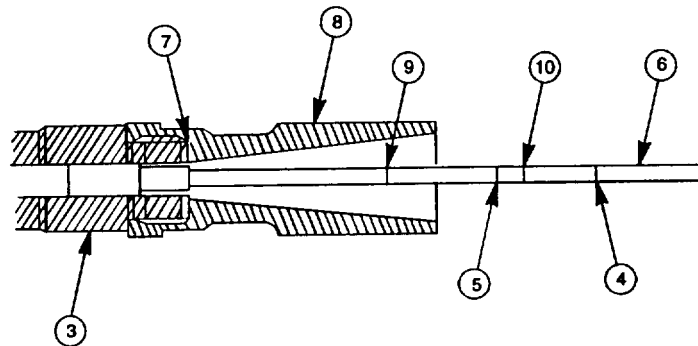


2



- a. Use muzzle and breech bore wear gage (6) to test barrel (3). Gently but firmly insert gage (6) into breech end (2) of barrel (3) as far as it will go.
- b. Read muzzle and breech bore wear gage (6) at the end of barrel breech (2). Replace barrel (3) if the rejection mark (4) on gage (6) enters the breech. The barrel is not suitable for overseas shipment if the reading exceeds the preembarkation warning mark (5)

3



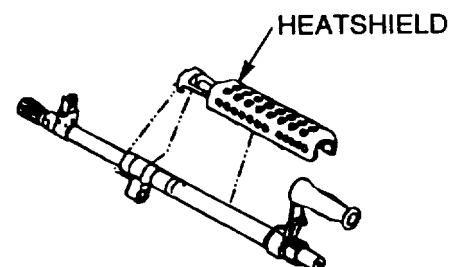
**NOTE**  
**M240 is shown.**

- a. Gently but firmly insert muzzle and breech bore wear gage (6) into the muzzle end (7) of barrel (3) as far as it will go.
- b. Read muzzle and breech bore wear gage (6) at the end of flash hider/suppressor (8). Replace barrel (3) if rejection mark (4) (M240/M240C/M240E1) / (10) (M240B/M240G) on gage (6) enters flash hider/suppressor (8). The barrel is not suitable for overseas shipment if the reading exceeds preembarkation warning mark (5) (M240/M240C/M240E1) / (9) (M240B/M240G).

## DISASSEMBLY

1

Remove heat shield from barrel (M240B only).



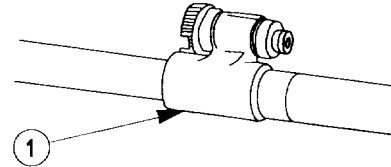
### 3-6. MAINTENANCE OF BARREL ASSEMBLY (cont)

#### DISASSEMBLY (cont)

2

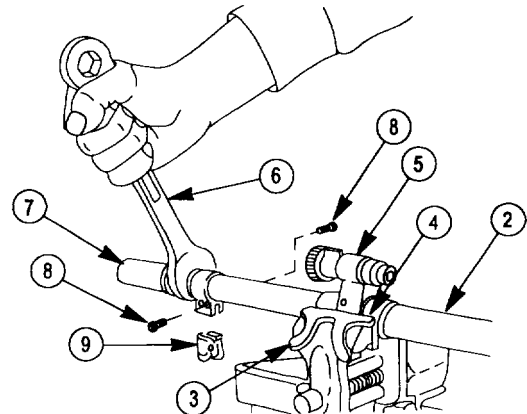
##### NOTE

Clamp on gas port area (1) only.



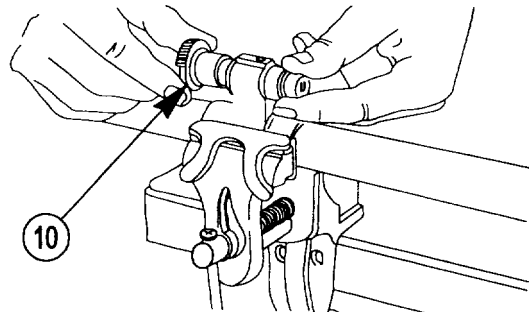
3

- Secure barrel assembly (2) in a vise (3) with protective jaws (4) with gas regulator (5) up.
- Use 23mm box and open end combination wrench (6) to remove flash hider/suppressor (7).
- If necessary, remove two front sight adjusting screws (8) and front sight assembly (9) (M240B/M240E1/ M240G).



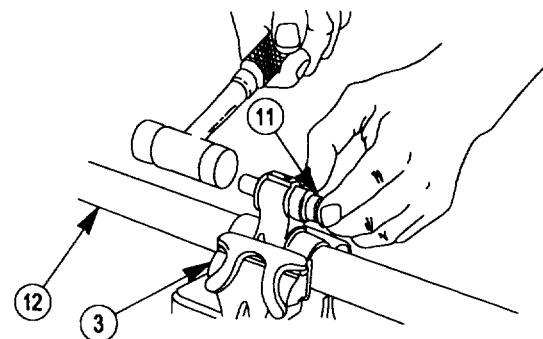
4

Rotate collar (10) until it releases, then pull it out.

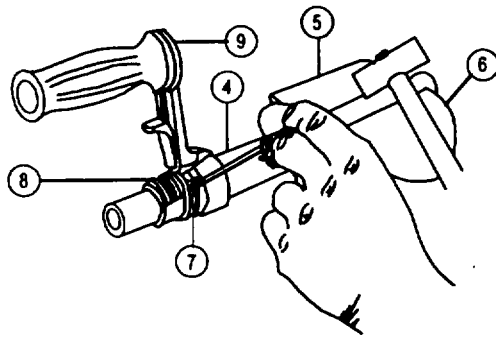


5

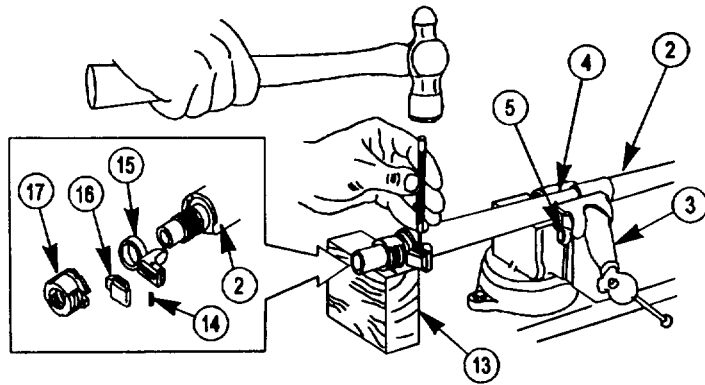
- Drive out plug (11) then catch it to prevent damage.
- Remove barrel (12) from vise (3).



6



M240B/M240G



M240/M240C/M240E1

- Clamp barrel assembly (2) in vise (3) with protective jaws (4) above the gas regulator area with gas regulator (5) pointed down.
- Place a block of wood (13) as shown to steady barrel assembly (2).

#### NOTE

**Barrel and barrel adapter have left-hand threads.**

- M240/M240C/M240E1: Drive spring pin (14) out of barrel release (15). Move barrel release latch (16) to stop. Unscrew barrel adapter (17) (left-hand thread). Remove barrel release (15) from barrel assembly (2). Remove barrel release latch (16) from barrel release (15). Discard spring pin (14).

M240B/M240G: Drive barrel nut locking pin (7) out of barrel adapter nut (8) until it is flush with the edge of the barrel adapter (move carrying handle assembly (9) to stop for easier access to pin. Unscrew barrel adapter nut (8) (left-hand thread). Remove carrying handle assembly (9) from barrel assembly (4). Remove carrying handle assembly (9) simply by sliding it out of its groove.

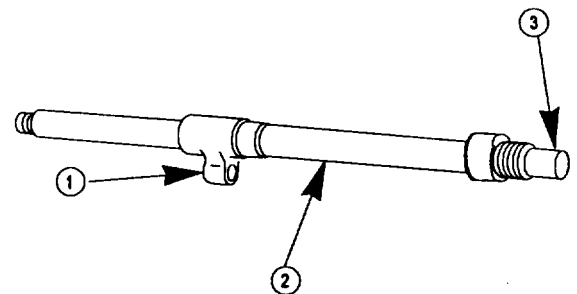
### INSPECTION/REPAIR

1

#### NOTE

**Barrel may be removed from vise to determine the serviceability of the barrel.**

- Inspect for foreign matter in gas port (1) of barrel (2).
- Inspect breech (3) for burrs.

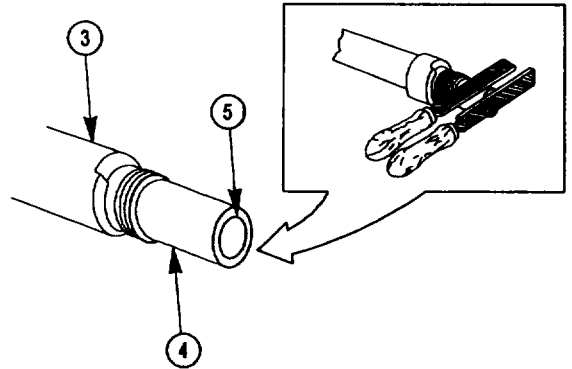


### 3-6. MAINTENANCE OF BARREL ASSEMBLY (cont)

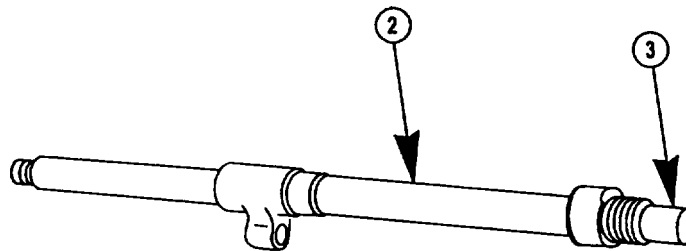
#### INSPECTION/REPAIR (cont)

2

- a. Take off burrs on cylindrical part (4) of breech (3).
- b. Take off burrs on rear section (5) of breech (3).
- c. Inspect threads for damage.
- d. Replace barrel (2) if removal of burrs affects form, fit, or function or if threads are damaged.



3



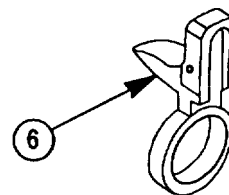
The steps listed below define replacement criteria for barrels (2).

- a. Pits in the chamber of breech (3) are allowable if they are not large enough to cause extraction difficulties.
- b. Pits less than the width of a land or groove in width or length are allowable. Replace if pits greater than the width of a land or groove in width or length are present.
- c. Scattered or uniformly fine pits are allowable.
- d. Tool marks or scratches are acceptable regardless of length. Tool marks will appear as lines running laterally in the grooves or they may run spirally across the top of the lands.
- e. Definitely ringed bores or bores ringed sufficiently to bulge the outside surface barrel are cause for rejection. However, faint rings or shadowy depressions do not indicate an unserviceable barrel and should not be cause for rejection.
- f. Lands that appear dark due to a coat of gilded metal from projectiles should not be cause for rejection.

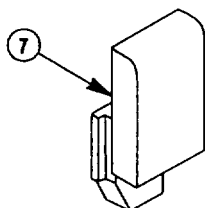
4

Check barrel release (6) for cracks or distortion.

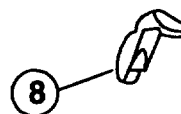
Replace if cracked or distorted (M240/M240C/ M240E1 only).



5



M240/M240C/M240E1



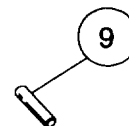
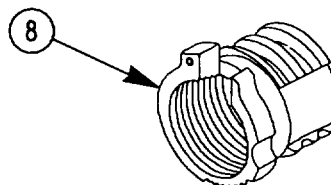
M240B/M240G

M240/M240C/M240E1: Inspect barrel release latch (7) for breaks or cracks. Replace if damaged.

M240B/M240G: Inspect barrel catch (8) and catch spring (9). Replace if cracked or distorted.

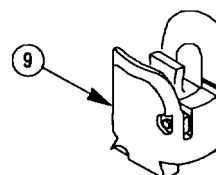
6

- a. Inspect barrel adapter (8) for damaged threads or cracks. Replace if damaged.
- b. Inspect nut locking pin (9) for cracks or distortion. Replace if missing or damaged (M240B/M240G only).



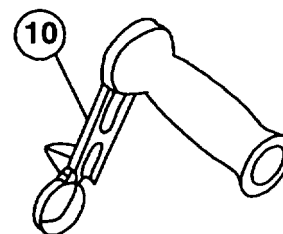
7

Repair front sight assembly (9) if damaged (p 2-26).



8

Repair carrying handle assembly (10) if damaged (p 3-13).





### 3-6. MAINTENANCE OF BARREL ASSEMBLY (cont)

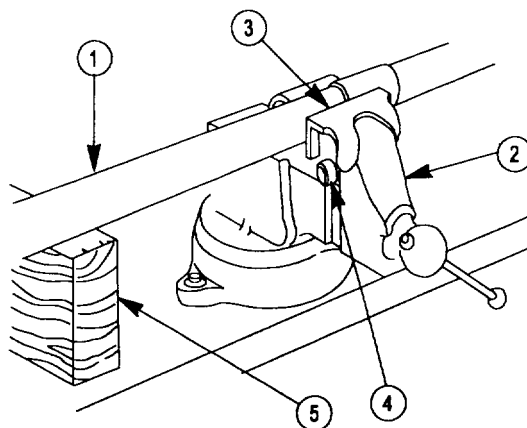
#### REASSEMBLY

1

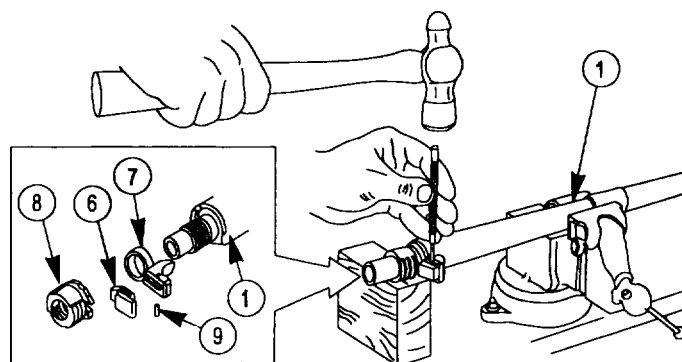
#### NOTE

Clamp in gas port area only.

- a. Place barrel (1) in vise (2) with protective jaws (3) above gas regulator area (4) with gas regulator pointed down.
- b. Place a block of wood as shown to steady barrel (1).



2



M240/M240C/M240E1

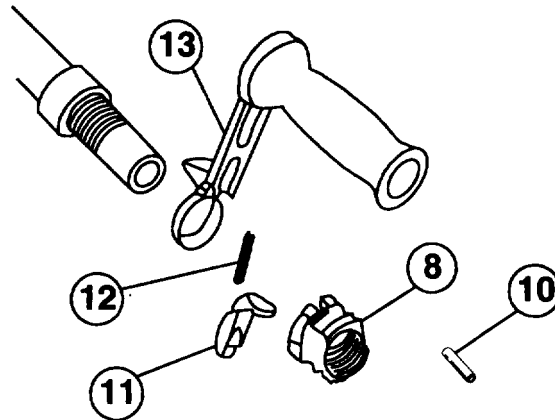
#### NOTE

Barrel and barrel adapter have left-hand threads.

M240/M240C/M240E1:

- a. Place barrel release latch (6) in barrel release (7). Hold them vertically and place firmly against front shoulder of barrel (1).
- b. Screw barrel adapter (8) onto barrel (1) fingertight.
- c. Unscrew barrel adapter (8) until barrel release latch (6) engages the recess in barrel adapter (8).
- d. Secure barrel release latch (6) to barrel release (7) with new spring pin (9).

2 (cont)



M240B/M240G

**NOTE**

Barrel and barrel adapter have left-hand threads.

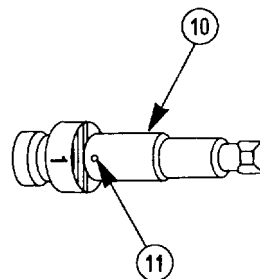
M240B/M240G:

- Place catch spring (12) into barrel catch.
- Install barrel catch (11) into barrel bracket assembly (13). Hold barrel bracket assembly vertically and place firmly against front shoulder of barrel.
- Screw barrel adapter (8) onto barrel finger tight.
- Unscrew barrel adapter (8) until barrel catch (11) engages the recess in barrel bracket assembly (13).
- Secure barrel bracket assembly (13) to barrel adapter (8) by tapping barrel nut locking pin (10) out approximately 1/8 inch until it engages the stops on the barrel bracket assembly.

3

**NOTE**

The plug (10) is designed with three gas inlet settings to maintain the rate of fire. This design is intended to maintain a consistent rate of fire under adverse conditions, **NOT TO INCREASE RATE OF FIRE**. Gas setting number 1 (11) (number facing the barrel) is preferred for normal conditions.

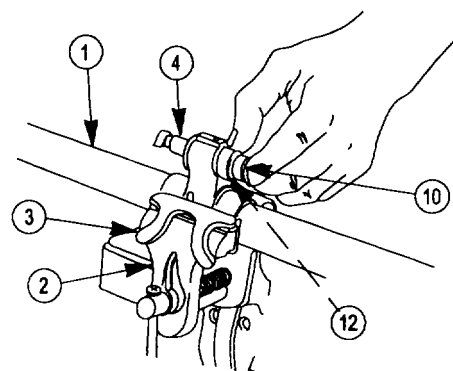


Setting number 1 = 650 rds/m approx  
Setting number 2 = average (means)  
Setting number 3 = 950 rds/m approx

## REASSEMBLY (cont)

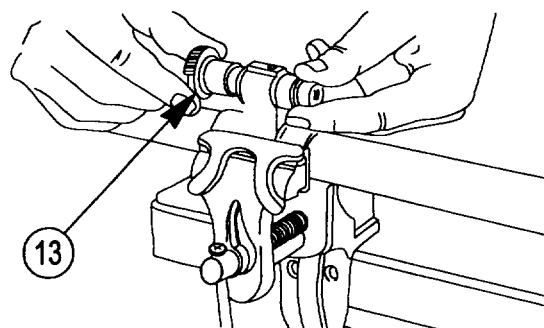
4

- a. Clamp barrel (1) in vise (2) with protective jaws (3) below the gas regulator area with gas regulator area (4) pointed up.
- b. Place plug (10) with gas inlet hole number 1 (12) facing barrel (1).



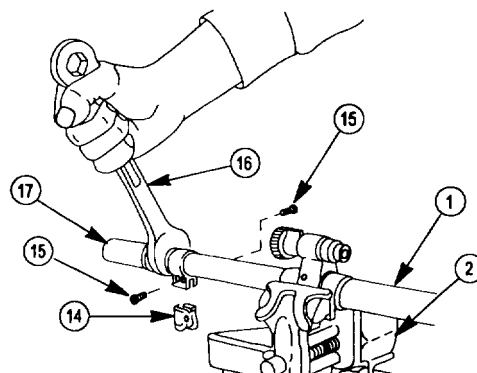
5

Rotate collar (13) until it engages, then push it in.



6

- a. If removed, install front sight assembly (14) and secure with two front sight adjusting screws (15) (M240B/M240E1/ M240G only).
- b. Use 23mm box and open end combination wrench (16) to install flash hider/suppressor (17).
- c. Remove barrel (1) from vise (2).



### 3-7. MAINTENANCE OF CARRYING HANDLE ASSEMBLY (M240B/M240G)

This task covers:

- a. Disassembly      b. Inspection/Repair      c. Reassembly

#### INITIAL SETUP

##### Tools and Special Tools

Shop Set, Small Arms: Field Maintenance,  
Basic Less Power, PN SC 4933-95-CL-A11;  
TAMCN E26562 (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

##### Materials/Parts

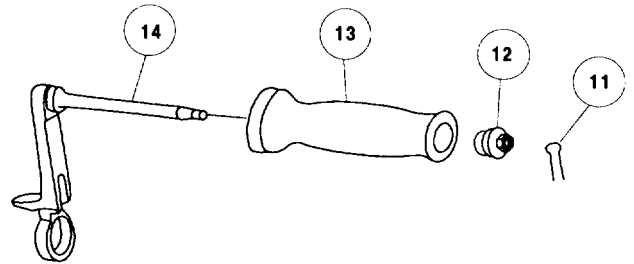
Wire, Steel, Cres., Safety, PN MS9226-04

##### Equipment Condition

Carrying handle assembly removed from barrel (p3-4)

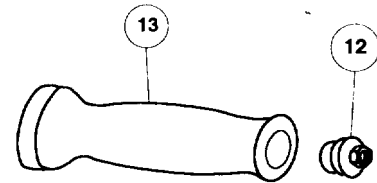
#### DISASSEMBLY

- Remove safety wire (11) and retaining nut (12).
- Remove carrying handle (13) from the barrel bracket (14).



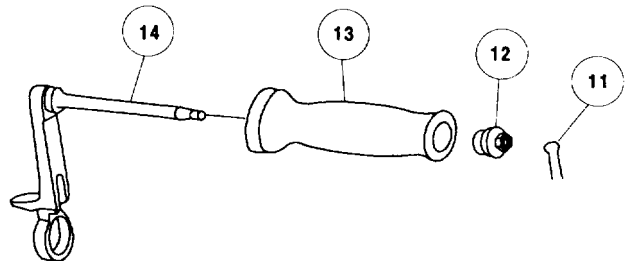
#### INSPECTION/REPAIR

Inspect carrying handle (13) and retaining nut (12) for wear, cracks or breaks. Replace if damaged.



#### REASSEMBLY

- Install carrying handle (13) on the barrel bracket (14).
- Screw on the retaining nut (12) and install new safety wire (11).



### 3-8. MAINTENANCE OF BUFFER ASSEMBLY (M240/M240C)

This task covers:

a. Disassembly

b. Inspection/Repair

c. Reassembly

#### INITIAL SETUP

##### Tools and Special Tools

Shop Set, Small Arms: Field Maintenance,  
Basic Less Power, PN SC 4933-95-CL-A11;  
TAMCN E26562E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

##### Materials/Parts

Solvent cleaning compound (RBC),  
(item 2, app D)

##### Materials/Parts (cont)

Spring pin, PN MS39086-147  
Weapons lubricating oil (as required)  
Wiping rag (item 10, app D)

##### Equipment Condition

Buffer assembly removed  
(TM 9-1005-313-10/TM 08670A/09712A-10/1 B)

#### DISASSEMBLY

1

#### CAUTION

**Do not overtighten vise on back plate.**

- a. Clamp buffer assembly (1) in vise (2) (with protective jaws) at two forward ribs. Be sure that vise jaws do not cover headed straight pin (4).

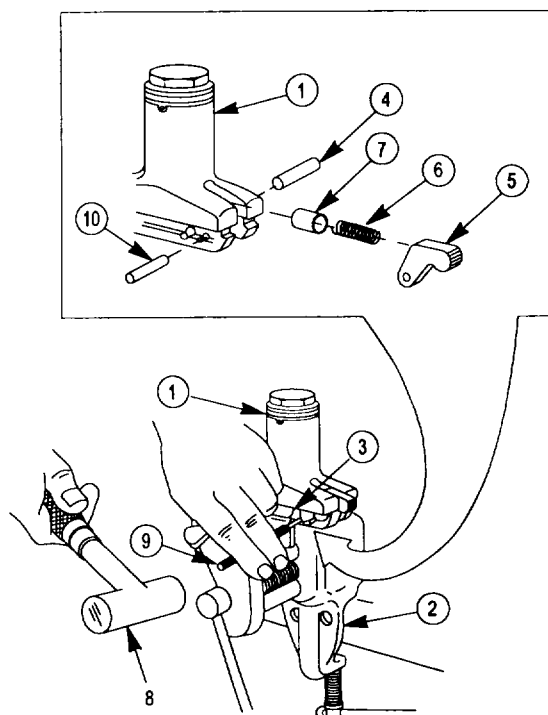
#### NOTE

**Back plate latch (5) is under tension.**

- b. Hold hand over back plate latch (5) when removing headed straight pin (4), or helical compression spring (6) and detent plunger (7) will fly out.
- c. Use a brass hammer (8) and punch (9) to drive headed straight pin (4) out from left to right.

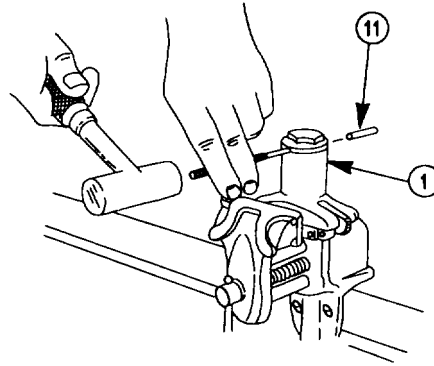
#### NOTE

**Spring pin (10) need not be removed unless it is damaged.**



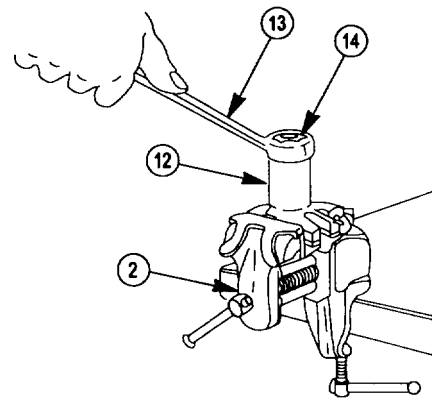
2

Punch spring pin (11) out of buffer assembly (1).  
Discard spring pin (11).

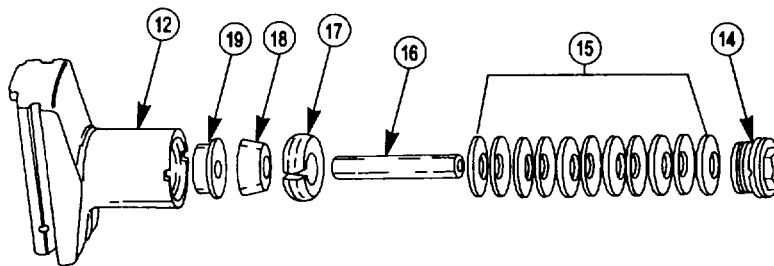


3

- a. Reposition back plate (12) in vise (2) for more support and, using 23mm box and open end combination wrench (13), loosen machine plug (14).
- b. Remove from vise.



4



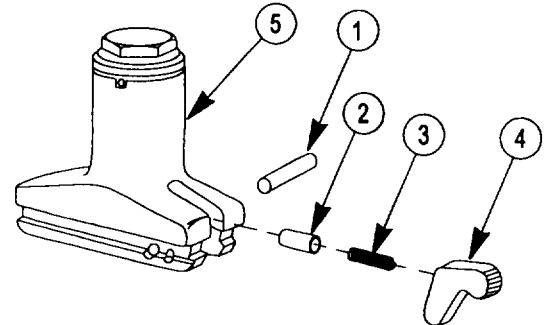
Unscrew machine plug (14) and remove eleven spring washers (15), sleeve spacer (16), expansion ring (17), braking buffer cone (18), and buffer plug (19) from back plate (12).

### 3-8. MAINTENANCE OF BUFFER ASSEMBLY (M240/M240C) (cont)

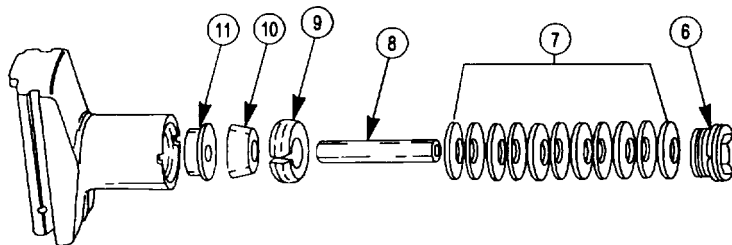
#### INSPECTION/REPAIR

1

- a. Check headed straight pin (1). Replace if bent or broken.
- b. Check detent plunger (2). Replace if bent or broken.
- c. Check helical compression spring (3) for deformation or breaks. Replace if damaged, broken, or deformed.
- d. Check back plate latch (4) for cracks or breaks. Replace if damaged.
- e. Check back plate (5) for damaged threads and burrs. Remove burrs with file. Replace buffer assembly if threads are damaged.



2

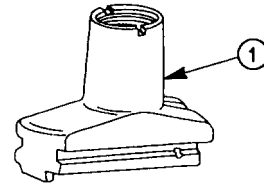


- a. Check machine plug (6) for deformed threads or rounded shoulders of octagon head. Replace if damaged.
- b. Check eleven spring washers (7) for cracks, deformation, or permanent set. Replace as a set if damaged.
- c. Check sleeve spacer (8) and buffer plug (11). Replace if distorted, bent, or burred.
- d. Check expansion ring (9) and braking buffer cone (10) for damaged mating surfaces. Replace if damaged, broken, or deformed.

## REASSEMBLY

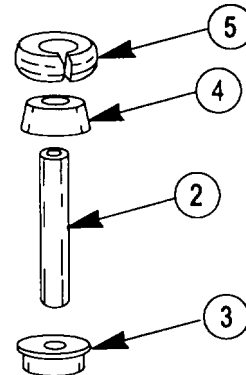
1

Place back plate (1) with threaded end up on a clean surface.



2

- a. Place sleeve spacer (2) into buffer plug (3). Install braking buffer cone (4) with its base against buffer plug (3).
- b. Place tapered surface of expansion ring (5) against tapered surface on braking buffer cone (4).

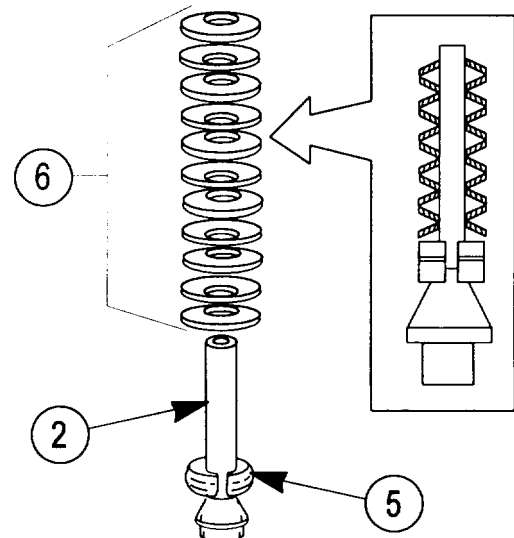


3

- a. Apply light coat of oil to all eleven spring washers (6).
- b. Install eleven spring washers (6) on sleeve spacer (2). Place the concave surface of the first washer against expansion ring (5).

Check washer sequence diagram. Place second washer in the opposite direction with its convex surface against the first washer.

- c. Place the concave surface of the third washer against the concave surface of the second washer.
- d. Continue this sequence until all eleven washers (6) are assembled on sleeve spacer (2). Check assembled washers with spring washer sequence diagram.





### 3-8. MAINTENANCE OF BUFFER ASSEMBLY (M240/M240C) (cont)

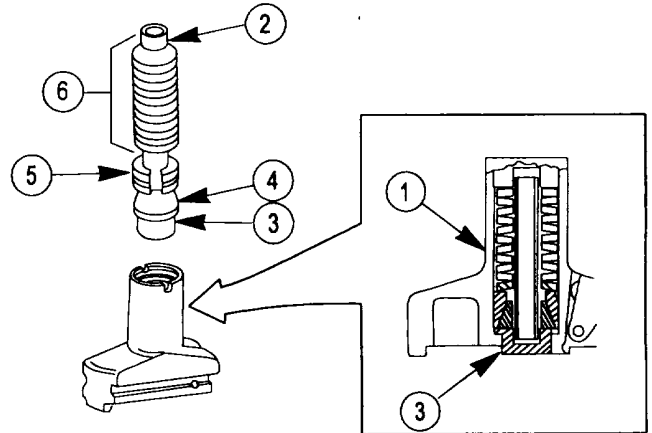
#### REASSEMBLY (cont)

4

#### CAUTION

Buffer plug (3) must protrude through the hole in the back plate (1).

Install sleeve spacer (2), buffer plug (3), braking buffer cone (4), expansion ring (5), and spring washers (6) in back plate (1).

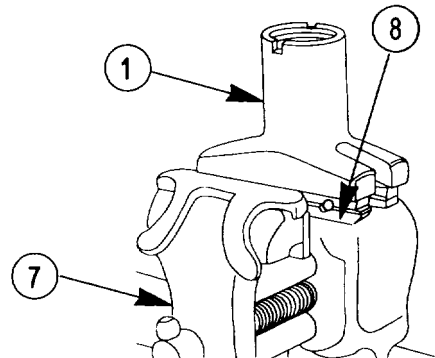


5

#### CAUTION

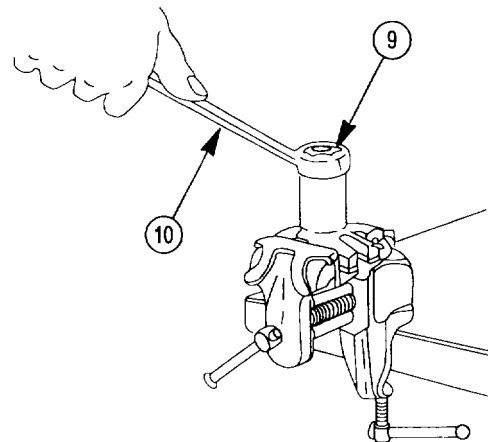
Do not overtighten vise (7) on back plate (1).

Place back plate (1) in a vise (7) at the two forward ribs (8) and secure.



6

Install machine screw plug (9) and tighten securely with 23mm box and open end combination wrench (10) and back off as necessary to align hole.

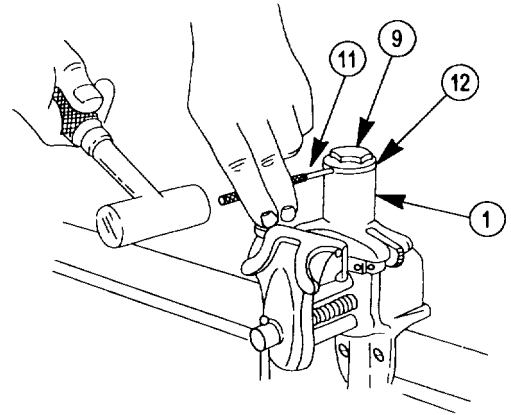


7

With punch (11), drive new spring pin (12) flush with back plate (1) to secure.

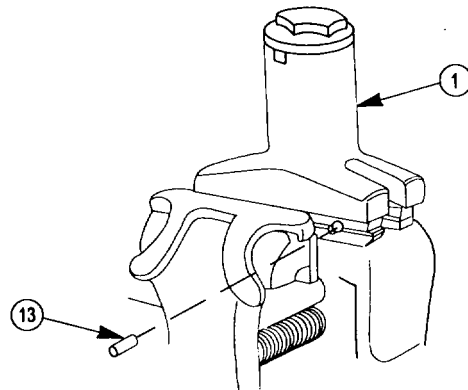
**NOTE**

**Back plate (1) and machine plug (9) are matched pairs and must be ordered as such.**



8

Secure back plate (1) in vise so pin holes are not covered. Place new spring pin (13) in back plate (1) only if removed.



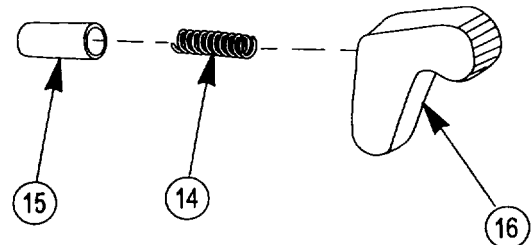
9

- a. Place helical compression spring (14), with open coil first, into detent plunger (15).

**NOTE**

**If a new helical compression spring is installed, open end of first coil at either end to secure in detent plunger.**

- b. Place helical compression spring (14) and detent plunger (15) into hole in back of plate latch (16).



### 3-8. MAINTENANCE OF BUFFER ASSEMBLY (M240/M240C) (cont)

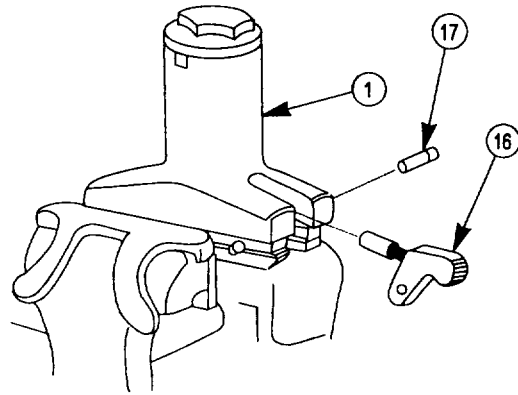
#### REASSEMBLY (cont)

10

#### CAUTION

Be sure headed straight pin (17) does not stick out into channels of back plate (1).

Install back plate latch (16) (with helical compression spring and detent plunger) into back plate (1). Align holes in back plate (1) and back plate latch (16). Install headed straight pin (17) from right to left (smooth end of pin is installed first).



### 3-9. MAINTENANCE OF BUFFER AND SPADE GRIP ASSEMBLY (M240E1)

This task covers:

- a. Disassembly      b. Inspection/Repair      c. Reassembly

#### INITIAL SETUP

##### Tools and Special Tools

Shop Set, Small Arms: Field Maintenance  
Basic Less Power, PN SC 4933-95-CL-A11;  
TAMCN E26562E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

##### Materials/Parts (cont)

Tubular spring pin, PN MS39086-80  
Weapons lubricating oil (as required)  
Wiping rag (item 10, app D)

##### Materials/Parts

Locking pins, PN 7312517  
Spring pin, PN MS39086-147

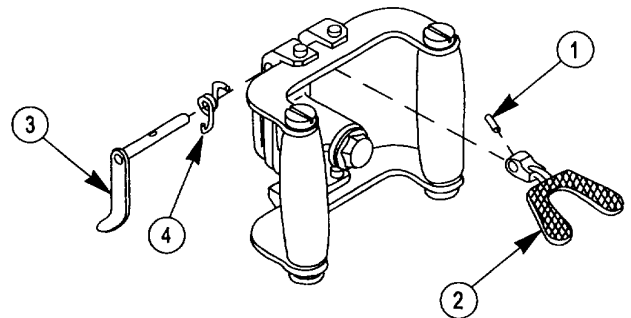
##### Equipment Condition

Buffer and spade grip assembly removed  
(TM 9-1005-313-10/TM 08670A/09712A-10/1 B)

#### DISASSEMBLY

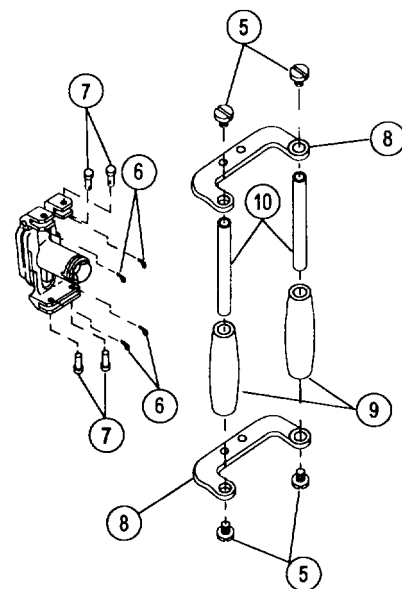
1

- a. Drive out and discard spring pin (1).
- b. Remove trigger assembly (2), arm assembly (3), and helical spring (4).



2

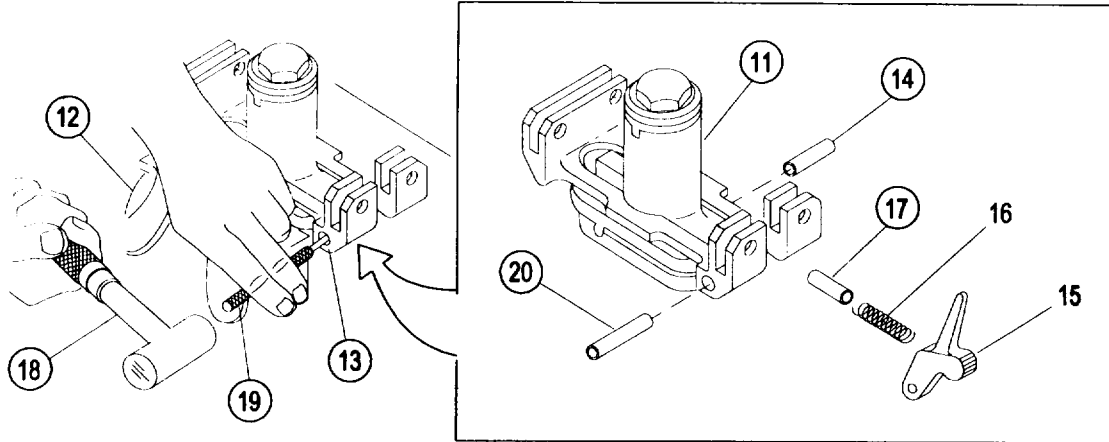
- a. Remove four screws (5), four locking pins (6), and four pins (7) to release two frame handles (8) and two grips (9). Discard two locking pins (6).
- b. Remove two handle tubes (10) from grips (9).



### 3-9. MAINTENANCE OF BUFFER AND SPADE GRIP ASSEMBLY (M240E1) (cont)

#### DISASSEMBLY (cont)

3



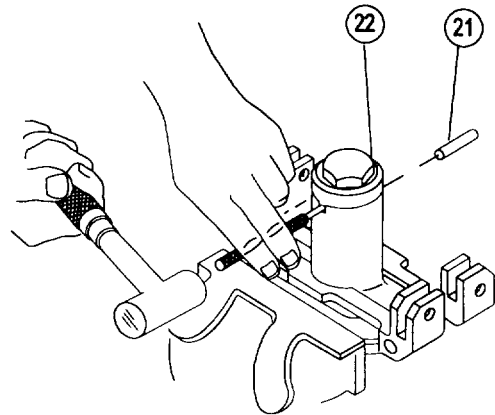
#### NOTE

Spring pin (20) need not be removed unless damaged.

- Clamp buffer housing and plug assembly (11) in vise (12) (with protective jaws) at the two forward ribs (13). Be sure that the vise jaws do not cover headed straight pin (14).
- Back plate latch (15) is under tension. Hold hand over back plate latch when removing headed straight pin (14), or helical compression spring (16) and detent plunger (17) will fly out.
- Use brass hammer (18) and punch (19) to drive headed straight pin (14) out from left to right.

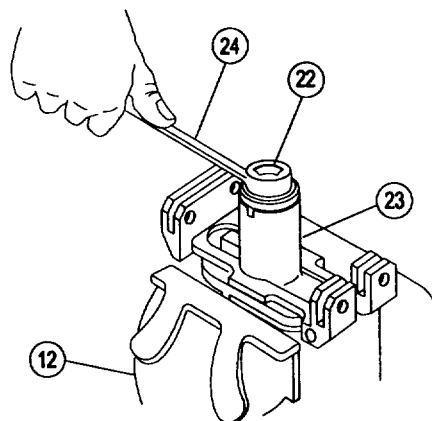
4

Drive spring pin (21) out of machine plug (22).  
Discard spring pin (21).

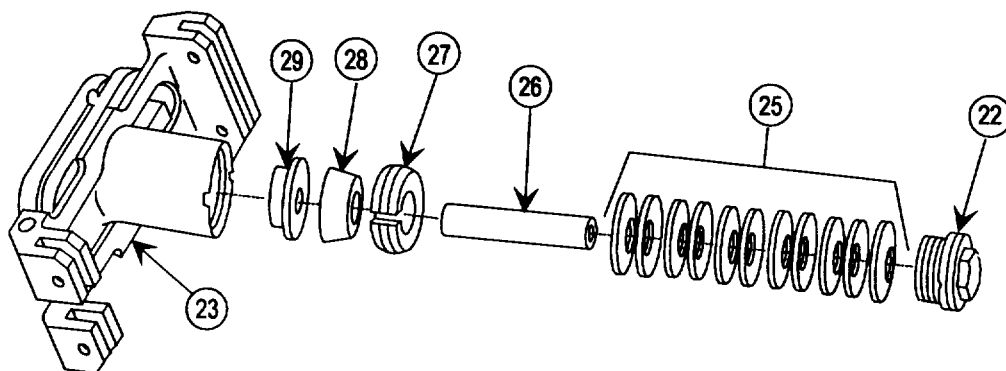


5

Reposition back plate (23) in vise (12) for more support and, using 23mm box and open end combination wrench (24), loosen machine plug (22).



6



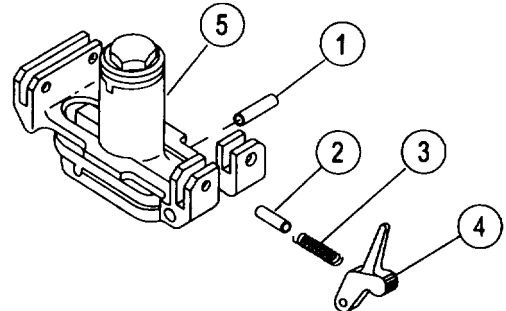
Unscrew machine plug (22) and remove eleven spring washers (25), sleeve spacer (26), expansion ring (27), braking buffer cone (28), and buffer plug (29) from back plate (23).

### 3-9. MAINTENANCE OF BUFFER AND SPADE GRIP ASSEMBLY (M240E1) (cont)

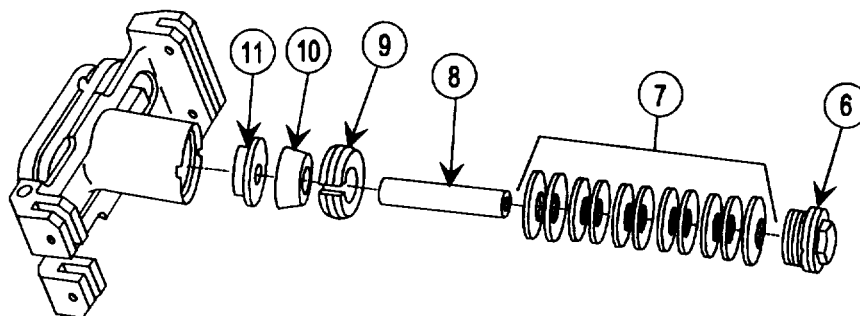
#### INSPECTION/REPAIR

1

- a. Check headed straight pin (1). Replace if bent or broken.
- b. Check detent plunger (2). Replace if bent or broken.
- c. Check helical compression spring (3) for deformation or breaks. Replace if damaged, broken, or deformed.
- d. Check back plate latch (4) for cracks or breaks. Replace if damaged.
- e. Check back plate (5) for damaged threads and burrs. Remove burrs with file. Replace buffer and spade grip assembly if threads are damaged.



2

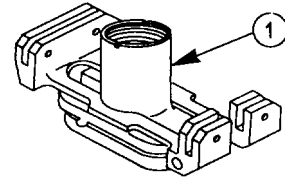


- a. Check machine plug (6) for deformed threads or rounded shoulders of octagon head. Replace if damaged.
- b. Check eleven spring washers (7) for cracks, deformation, or permanent set. Replace as a set if damaged, broken, or deformed.
- c. Check sleeve spacer (8) and buffer plug (11). Replace if distorted, bent, or burred.
- d. Check expansion ring (9) and braking buffer cone (10) for damaged mating surfaces. Replace if damaged, broken, or deformed.

## REASSEMBLY

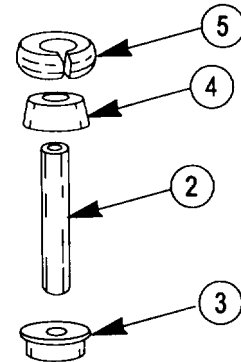
1

Place back plate (1) with threaded end up on a clean surface



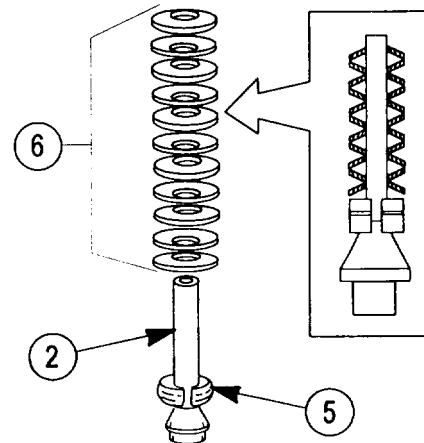
2

- a. Place sleeve spacer (2) into buffer plug (3). Install braking buffer cone (4) with its base against buffer plug (3).
- b. Place tapered surface of expansion ring (5) against tapered surface on braking buffer cone (4).



3

- a. Apply light coat of oil to all eleven spring washers.
- b. Install eleven spring washers (6) on sleeve spacer (2). Place the concave surface of the first washer against expansion ring (5). Check washer sequence diagram. Place second washer in the opposite direction with its convex surface against the first washer.
- c. Place the concave surface of the third washer against the concave surface of the second washer.
- d. Continue this sequence until all eleven washers (6) are assembled on sleeve spacer (2). Check assembled washers with spring washer sequence diagram.





### 3-10. MAINTENANCE OF BUFFER AND SPADE GRIP ASSEMBLY (M240E1) (cont)

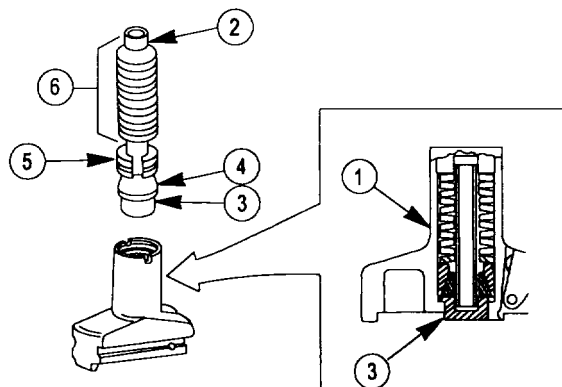
#### REASSEMBLY (cont)

4

#### CAUTION

**Buffer plug (3) must protrude through the hole in the back plate (1).**

Install sleeve spacer (2), buffer plug (3), braking buffer cone (4), expansion ring (5), and spring washers (6) in back plate (1).

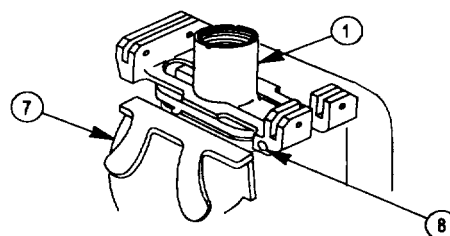


5

#### CAUTION

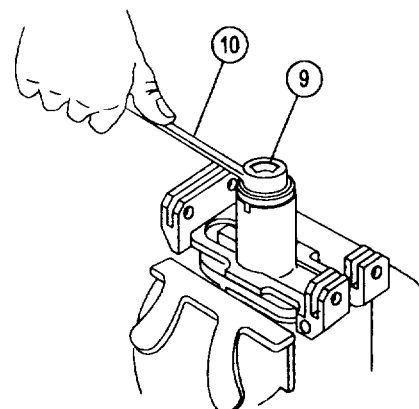
**Do not overtighten vise (7) on back plate (1).**

Place back plate (1) in a vise (7) at the two forward ribs (8) and secure.



6

Install machine plug (9) and tighten securely with 23mm box and open end combination wrench (10) and back off as necessary to align hole.

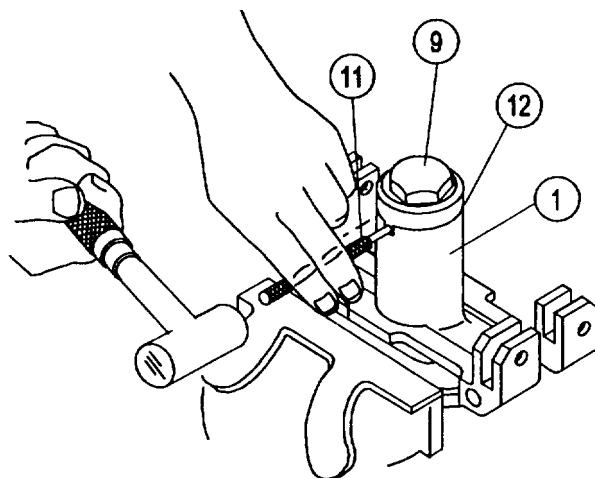


7

**NOTE**

**Backplate (1) and machine plug (9) are matched pairs.**

With a punch (11), drive new spring pin (12) into drilled hole of machine plug (9) to secure.



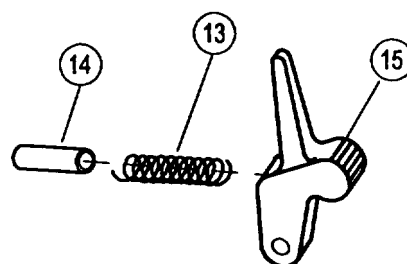
8

- a. Place the helical compression spring (13), with open coil first, into detent plunger (14).

**NOTE**

**If a new helical compression spring is installed, open end of first coil at either end to secure detent plunger (14).**

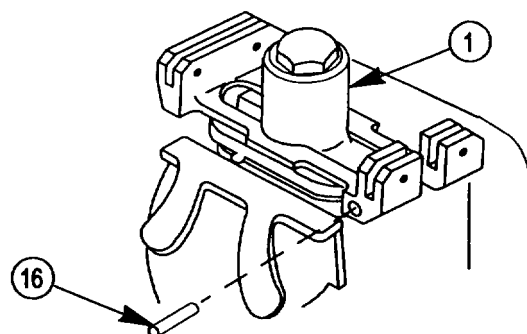
- b. Place helical compression spring (13) and detent plunger (14) into hole in back of plate latch (15).



9

**NOTE**

**Relocate back plate (1) in vise so pin holes are not covered. Place new spring pin (16) in back plate (1) only if removed.**



### 3-9. MAINTENANCE OF BUFFER AND SPADE GRIP ASSEMBLY (M240E1) (cont)

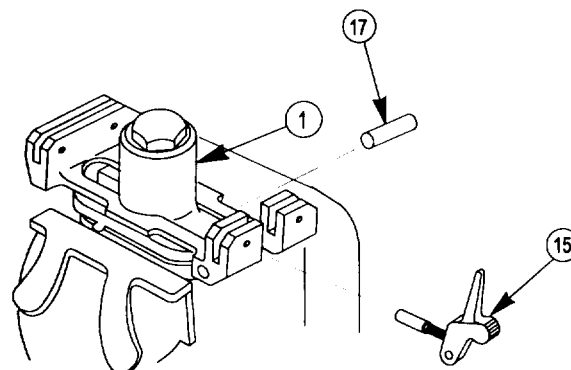
#### REASSEMBLY (cont)

10

#### CAUTION

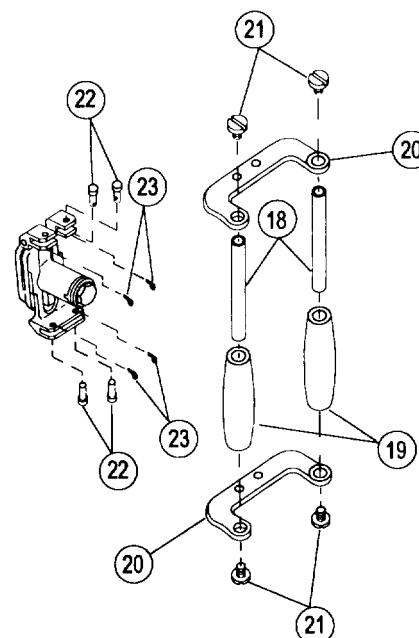
**Be sure headed straight pin (17) does not stick out into channels of back plate.**

Install back plate latch (15) (with helical compression spring and detent plunger) into back plate (1). Align holes in back plate (1) and back plate latch (15). Install headed straight pin (17) from right to left (smooth end of pin is installed first).



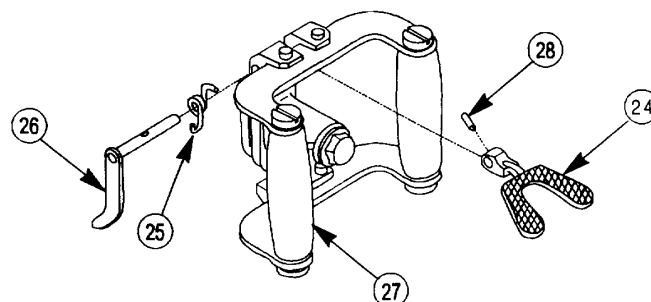
11

- Prior to reassembly of frame harness (20), install two handle tubes (18) in grips (19).
- Install two frame handles (20) and two grips (19) securing with four screws (21), four pins (22), and four new locking pins (23).
- Stake screws (21) in relief area of frame handles (20) to prevent rotation.



12

Place trigger assembly (24), helical spring (25), and arm assembly (26) in buffer housing and plug assembly (27) and secure with new spring pin (28).



### 3-10. MAINTENANCE OF BUTTSTOCK AND BUFFER ASSEMBLY (M240B/M240G)

This task covers:

- a. Disassembly                      b. Inspection/Repair                      c. Reassembly

#### INITIAL SETUP

##### Tools and Special Tools

Shop Set, Small Arms: Field Maintenance,  
Basic Less Power, PN SC 4933-95-CL-A11;

(M240G)

TAMCN E26562E (Marine Corps only);

TAMCN E2900 (Marine Corps only)

##### Materials/Parts

Spring pin, PN MS39086-147 (M240B)

Washer, Tab, Retaining, PN 93013A3204

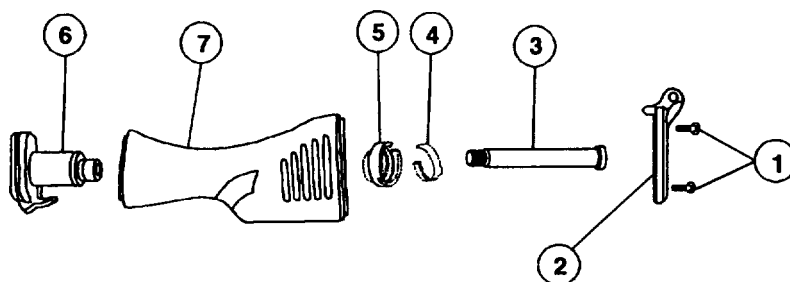
##### Equipment Condition

Buttstock and buffer assembly removed

(TM 9-1005-313-10/TM 08670A/09712A-10/1 B)

#### DISASSEMBLY

1



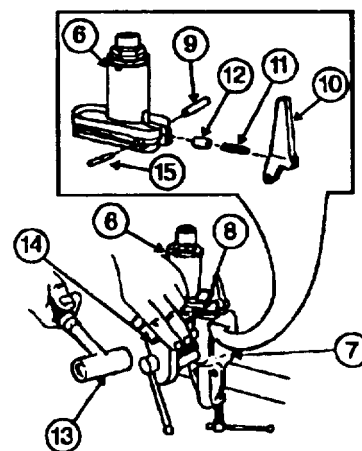
- Remove two screws (1) from buttplate (2).
- Remove the butt securing screw (3) from buttstock. The locking ring (4) and securing screw bushing (5) are not to be removed (visual inspection only).
- Remove buffer housing and plug assembly (6) from the buttstock assembly to gain access to the backplate latch.

2

#### NOTE

**Do not remove spring pin (15) unless it is damaged.**

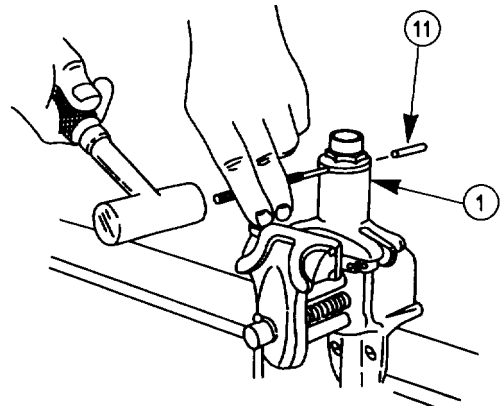
- Clamp buffer housing and plug assembly (6) in vise (7) (with protective jaws) at two forward ribs (8). Be sure that the vise jaws do not cover headed straight pin (9).
- Hold hand over backplate latch (10) when removing headed straight pin (9), or helical compression spring (11) and detent plunger (12) will fly out.



### 3-10. MAINTENANCE OF BUTTSTOCK AND BUFFER ASSEMBLY (M240B/M240G) (cont)

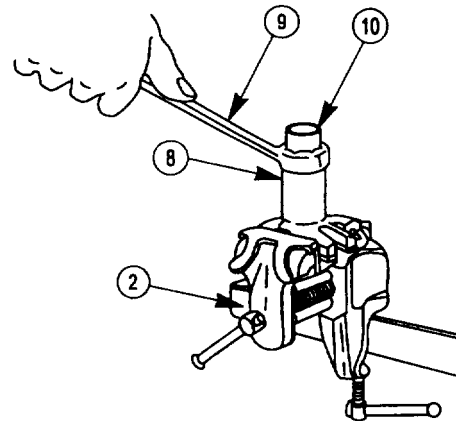
3

Punch spring pin (11) out of buffer assembly (1) and discard (M240B only).

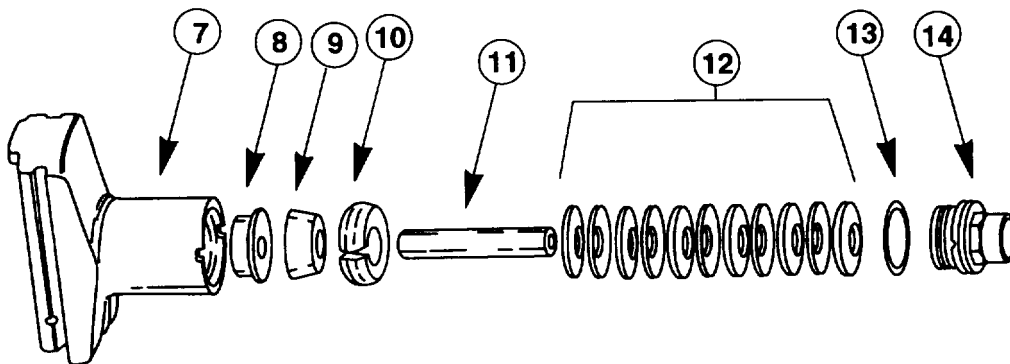


4

- a. Reposition buffer assembly (8) in vise (2) for more support and, using 23mm box and open end combination wrench (9), loosen machine plug (10).
- b. Remove from vise.



5

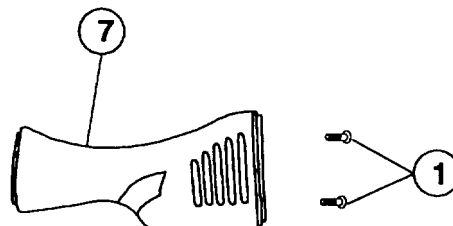


Unscrew machine plug (14) and remove retaining tab washer (13) (M24UUi only), eleven spring washers (12), sleeve spacer (11), expansion ring (10), braking buffer cone (9), and buffer plug (8) from back plate (7).

## INSPECTION/REPAIR

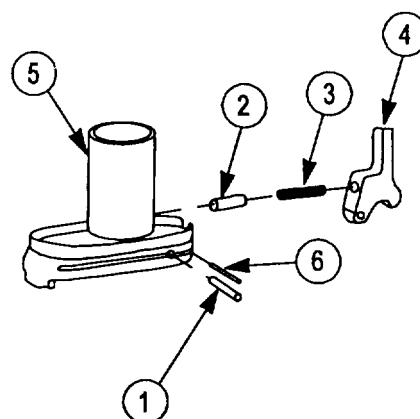
1

- a. Visually inspect the buttstock (7) for cracks. If cracked, replace.
- b. Inspect the screws (1) for burrs or stripped threads; if found replace.

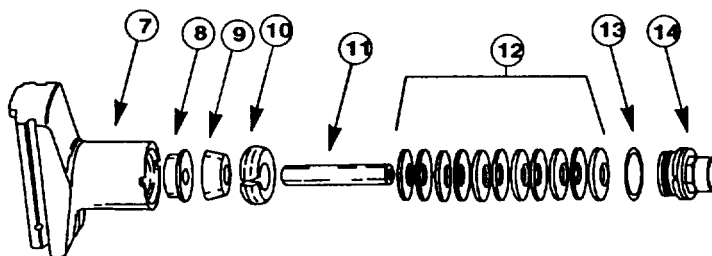


2

- a. Check headed straight pin (1). Replace if bent or broken. Replace new spring pin (6) if removed.
- b. Check detent plunger (2). Replace if bent or broken.
- c. Check helical compression spring (3) for deformation or breaks. Replace if damaged, broken, or deformed.
- d. Check backplate latch (4) for cracks or breaks. Replace if damaged.
- e. Check buffer housing and plug assembly (5) for damaged threads and burrs. Remove burrs with file.



3



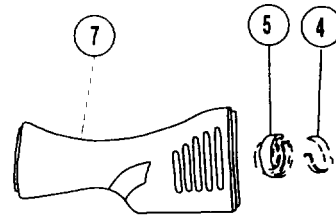
- a. Check machine plug (14) for deformed threads or rounded shoulders on head. Replace if damaged.
- b. Check retaining washer tab (13) (M240G only) and eleven spring washers (12) for cracks, bends or deformation. Replace if damaged. (NOTE: Spring washers are replaced as a set.)
- c. Check buffer plug (8), braking buffer cone (9), expansion ring (10), and sleeve spacer (11) for cracks, burrs deformation or damage to mating surfaces. Replace if damaged.
- d. Check buffer housing (7) for damaged threads and burrs. Remove external burrs with file. Replace if threads are damaged.

### 3-10. MAINTENANCE OF BUTTSTOCK AND BUFFER ASSEMBLY (M240B/M240G) (cont)

#### INSPECTION/REPAIR (cont)

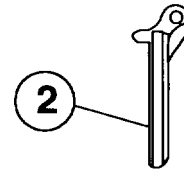
4

Visually check to see that locking ring (4) and securing screw bushing (5) are present and held securely within the buttstock (7).



5

Check buttplate (2) for cracks, deformation and burrs. Remove burrs with file. If cracked or deformed, replace buttplate.

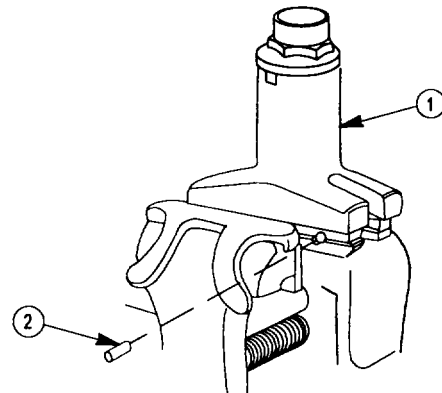


#### REASSEMBLY

##### NOTE

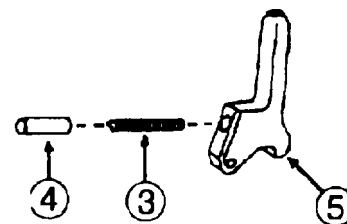
**If new helical compression spring is installed, open end of first coil at either end to secure in detent.**

Secure buffer housing and plug assembly (1) in vise so pin holes are not covered. Install a new spring pin (2) only if removed.



2

- Place helical compression spring (3), with open coil first, into detent plunger (4).
- Place helical compression spring (3) and detent plunger (4) into hole in backplate latch (5).

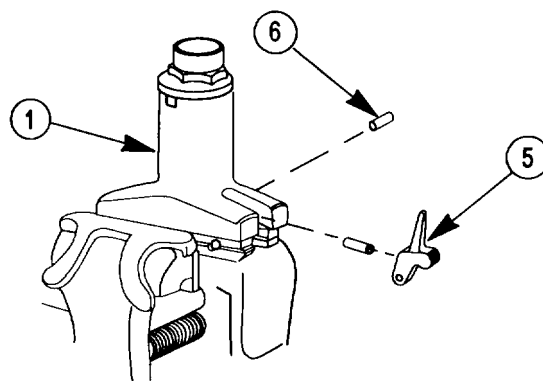


3

### CAUTION

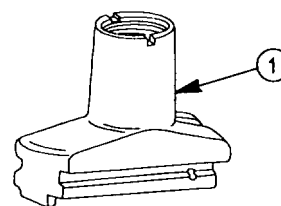
**Be sure headed straight pin (6) does not stick into channels of the buffer housing and plug assembly (1).**

Install backplate latch (5) (with helical compression spring and detent plunger) into buffer housing and plug assembly (1). Align holes in buffer housing and plug (1) and backplate latch (5). Install headed straight pin (6) from right to left (smooth end of pin is installed first).



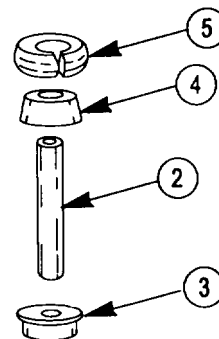
4

Place back plate (1) with threaded end up on a clean surface.



5

- a. Place sleeve spacer (2) into buffer plug (3). Install braking buffer cone (4) with its base against buffer plug (3).
- b. Place tapered surface of expansion ring (5) against tapered surface on braking buffer cone (4).



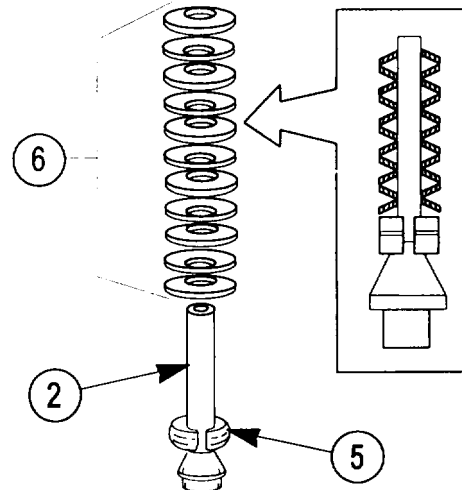


### 3-10. MAINTENANCE OF BUTTSTOCK AND BUFFER ASSEMBLY (M240B/M240G) (cont)

#### REASSEMBLY (cont)

6

- Apply light coat of oil to all eleven spring washers (6).
- Install eleven spring washers (6) on sleeve spacer (2). Place the concave surface of the first washer against expansion ring (5). Check washer sequence diagram. Place second washer in the opposite direction with its convex surface against the first washer.
- Place the concave surface of the third washer against the concave surface of the second washer.
- Continue this sequence until all eleven washers (6) are assembled on sleeve spacer (2). Check assembled washers with spring washer sequence diagram.

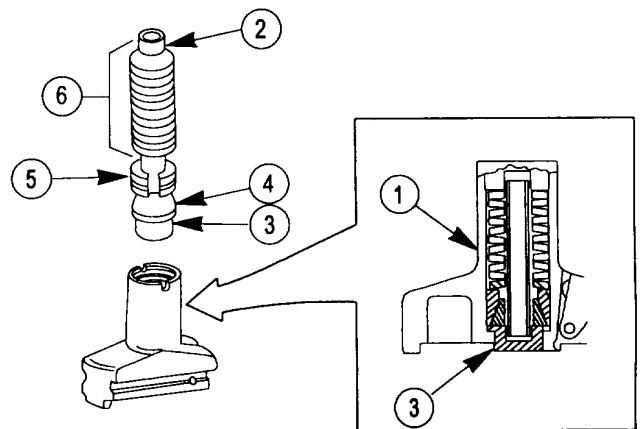


7

#### CAUTION

**Buffer plug (3) must protrude through the hole in the back plate (1).**

Install sleeve spacer (2), buffer plug (3), braking buffer cone (4), expansion ring (5), and spring washers (6) in back plate (1).

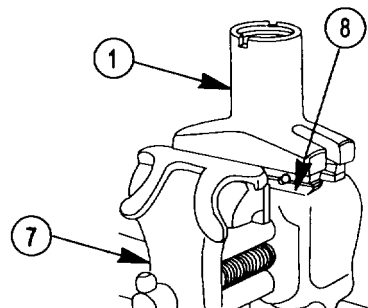


8

# **CAUTION**

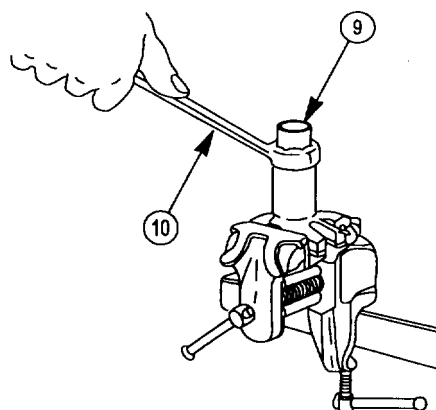
**Do not overtighten vise (7) on back plate (1).**

Place back plate (1) in a vise (7) at the two forward ribs (8) and secure.



9

Install machine screw plug (9) and tighten securely with 23mm box and open end combination wrench (10) and back off as necessary to align hole.

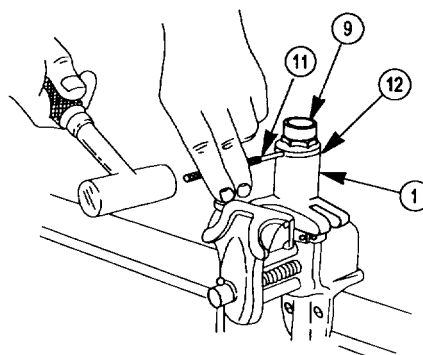


10

# **NOTE**

**Back plate (1) and machine plug (9) are matched pairs and must be ordered as such (M240B only).**

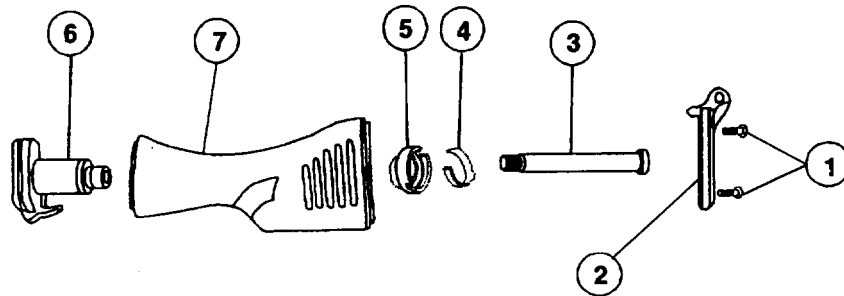
- a. M240B: With punch (11), drive new spring pin (12) flush with back plate (1) to secure.
- b. M240G: With punch (11), crimp the lip of new retaining washer tab (12) into recess notch in the back plate (1) to secure the buffer block bushing (9).



**3-10. MAINTENANCE OF BUTTSTOCK AND BUFFER ASSEMBLY (M240BIM240G) (cont)**

**REASSEMBLY (cont)**

**11**



- a. Install the buffer housing and plug assembly (1) in to the front end of the buttstock (7); secure firmly with the butt securing screw (8). Visually ensure the locking ring (9) and securing screw bushing (10) are physically in place within the buttstock.
- b. Attach the buttplate (11) using the two screws (12).

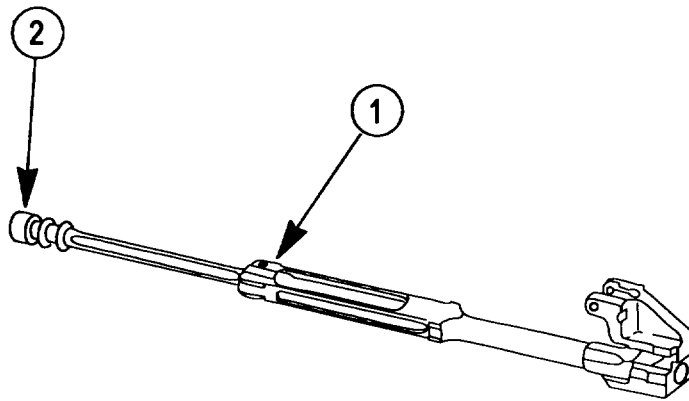
### 3-11. MAINTENANCE OF BOLT AND OPERATING ROD ASSEMBLY

This task covers:  
Inspection/Repair

#### INITIAL SETUP

Equipment Condition  
Operating rod disassembled from bolt (p2-30)

#### INSPECTION/REPAIR



#### NOTE

Slight rotation of the piston end (2) of the operating rod assembly in its housing is normal and not cause for rejection.

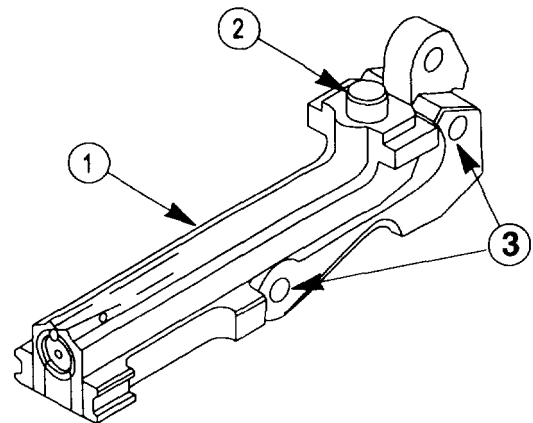
Inspect operating rod assembly (1) for bends, breaks, burrs, or cracks. Replace if damaged.

### 3-12. MAINTENANCE OF BOLT ASSEMBLY

This task covers:		
a. Disassembly	b. Inspection	c. Repair/Reassembly
INITIAL SETUP		
Materials/ Parts		Equipment Condition
Pin, Straight Headed, PN 11826047		Bolt assembly removed from operating rod assembly (p2-30)
Roller, Linear-Rotary, PN 11826042		
Spring, Helical Comp., PN 11826046		

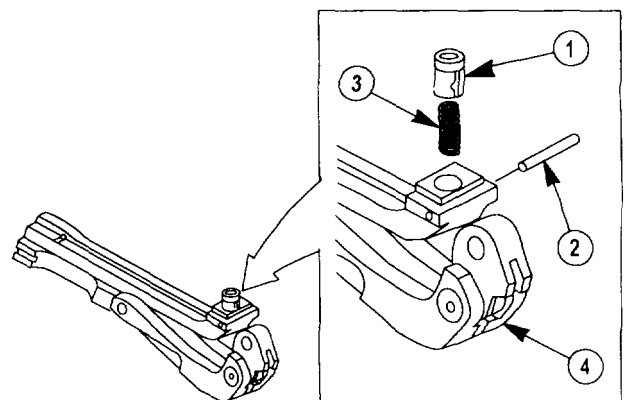
#### INSPECTION

- Visually inspect bolt assembly (1) for cracks. If bolt assembly is damaged, replace bolt assembly.
- Check roller (2) for spring action and freedom of movement. Replace if damaged or missing.
- Be sure all pivot points (3) move freely. If pivot points do not move freely, clean and lubricate. If this does not free the pivot points, replace bolt assembly.



#### REPAIR/REASSEMBLY

- Remove pin (2), roller (1), and spring (3) from breech bolt (4).
- Replace pin (2) and spring (3) if roller is replaced.
- Install spring (3), roller (1), and pin (2) into breech bolt (4).



### 3-13. MAINTENANCE OF TRIGGER HOUSING ASSEMBLY (M240/M240C/M240E1)

This task covers:

- a. Disassembly      b. Inspection/Repair      c. Lubrication      d. Reassembly

#### INITIAL SETUP

##### Tools and Special Tools

Shop Set, Small Arms: Field Maintenance,  
Basic Less Power, PN SC 4933-95-CL-A11;  
TAMCN E26562E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

##### Materials/Parts

Crocus abrasive cloth (item 3, app D)  
Wiping rag (item 10, app D)

##### Equipment Condition

Trigger housing assembly disassembled  
(TM 9-1005-313-10/TM 08670A/09712A-10/1 B)

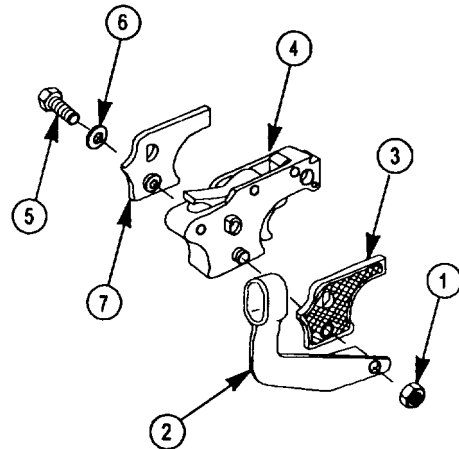
#### DISASSEMBLY

1

##### NOTE

**Charger cable guide and flat washer are only on the M240 and M240C models.**

Unscrew self-locking nut (1), and remove charger cable guide (2) and right grip (3) from trigger housing (4). Remove hex head machine bolt (5), flat washer (6), and left hand grip (7) from trigger housing (4).

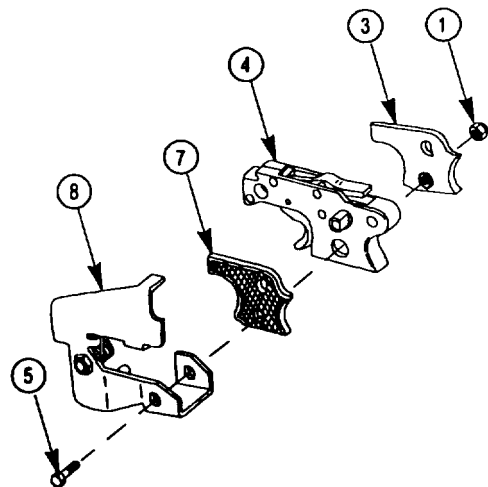


2

##### NOTE

**The trigger actuating assembly is only on the M240E1 model (see p 2-43).**

Unscrew self-locking nut (1), and remove right grip (3). Then remove hex head machine bolt (5), trigger actuating assembly (8), and left grip (7) from trigger housing (4).

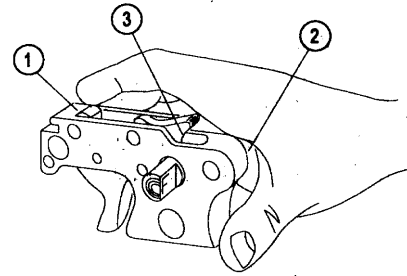


### 3-13. MAINTENANCE OF TRIGGER HOUSING ASSEMBLY (M240/M240C/M240E1) (cont)

#### DISASSEMBLY (cont)

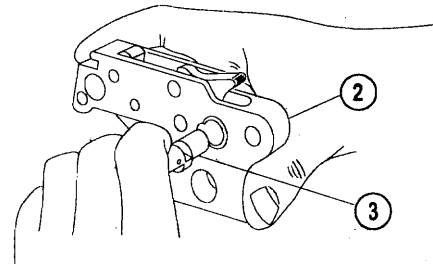
3

Pull back on tripping lever (1) inside trigger housing (2) and raise sear (3).



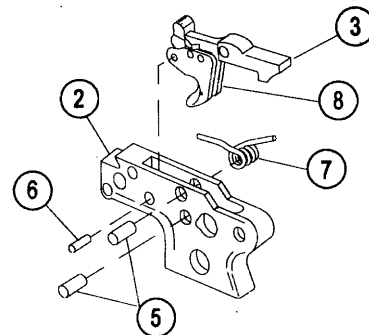
4

Rotate safety (3) a quarter turn clockwise (as viewed from left side). Letters "S" and "F" will face downward. Pull safety (3) through trigger housing (2) from right to left.

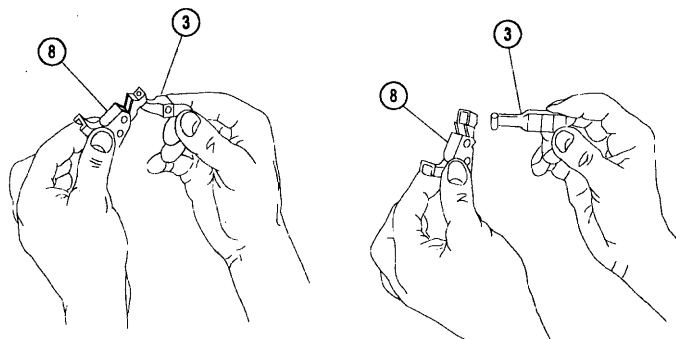


5

Remove three headless straight pins (5 and 6), and remove sear (3), sear spring (7), and trigger (8) from trigger housing (2).



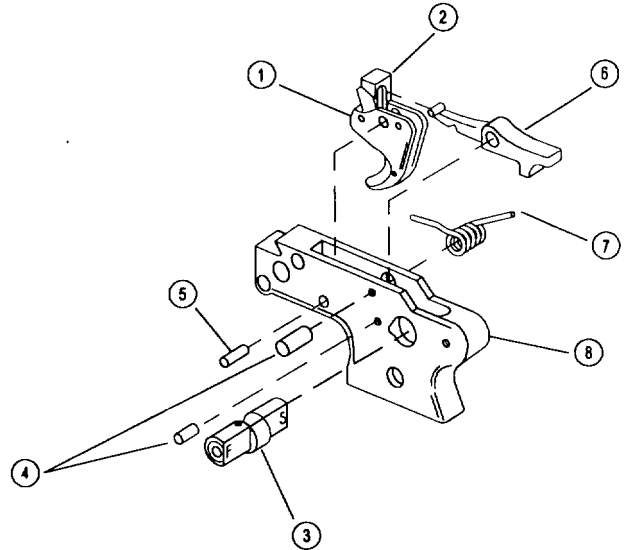
6



Separate sear (3) and trigger (8) by giving sear one quarter turn, freeing it from slot in lever.

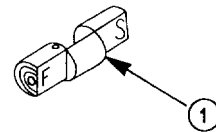
## INSPECTION /REPAIR

- Inspect front edge of trigger (1). Replace if chipped or if burrs cannot be removed.
- Pull tripping lever (2) rearward. Replace trigger (1) if tripping lever does not return to position without binding.
- Check safety (3) for burrs, damaged detent, or distorted lettering. Replace if burrs cannot be removed with crocus cloth (item 3, app D) or safety is damaged.
- Check headless straight pins (4 and 5) and replace if bent.
- Check sear (6) and replace if broken, cracked or worn.
- Check sear spring (7) and replace if broken or distorted.
- Check trigger housing (8) and replace if broken, cracked, or holes are elongated.

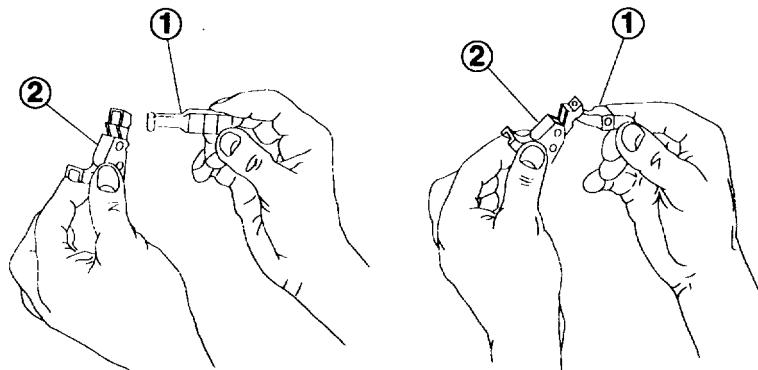


## LUBRICATION

- Lightly oil all parts after cleaning.
- Take care to be sure safety (1) is clean and lightly lubricated.



## REASSEMBLY



Insert sear (1) into lever slot in trigger (2) sideways. Give the sear a quarter turn, as viewed from left side, polished end upward.

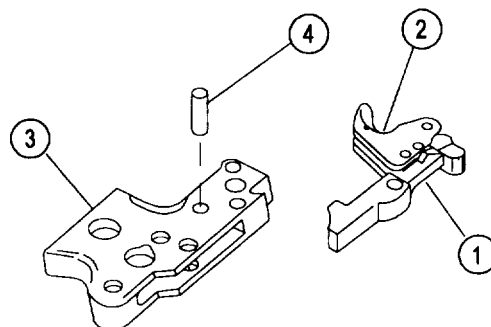


### 3-13. MAINTENANCE OF TRIGGER HOUSING ASSEMBLY (M240/M240C/M240E1) (cont)

#### REASSEMBLY (cont)

2

- a. Place trigger housing (3) on its side on a flat surface.
- b. Lower sear (1) and trigger (2) into trigger housing (3). Grasping trigger, press it forward against the inner front edge of housing. This action will push backward on the lever allowing the trigger to slide into place. Align holes in trigger (2) and trigger housing (3). Insert headless straight pin (4).

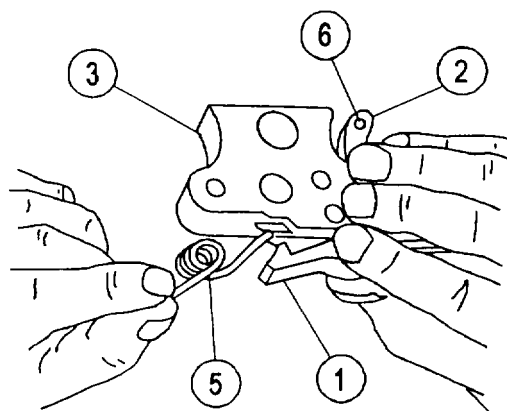


3

Insert sear spring (5), with leg pointing forward, into trigger housing (3). The lower tip of sear spring (5) must bear against riveted pin (6) across the back of trigger (2) when trigger is later rotated rearward.

#### NOTE

Be sure leg of sear spring (5) is in groove of sear (1) and behind riveted pin (6) as shown.

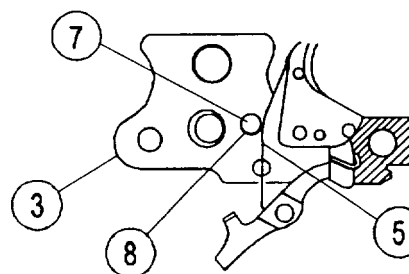


4

#### NOTE

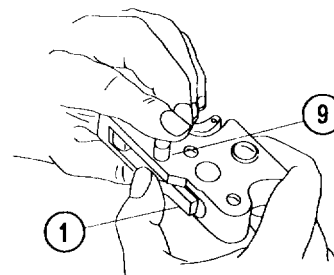
This illustration is a cutaway view of the trigger housing.

Install one headless straight pin (7) in pin hole (8) in trigger housing (3) and through sear spring (5).



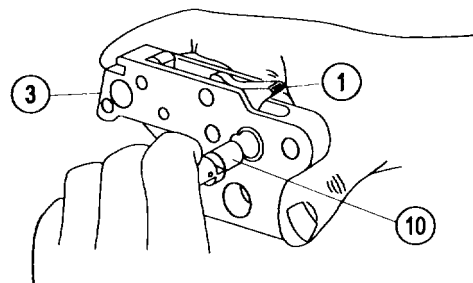
5

Lower sear (1) compressing sear spring and install headless straight pin (9).



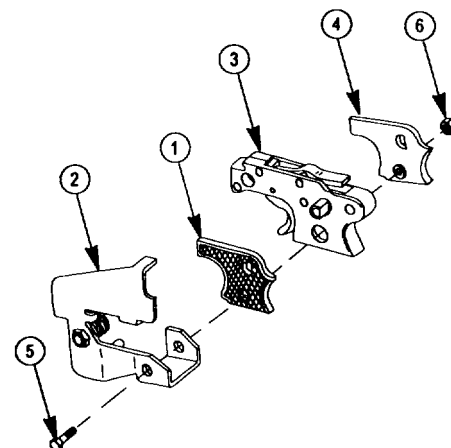
6

- a. Holding trigger housing (3), ensuring sear (1) is in raised position, insert safety (10) from left to right with letter "S" first and facing down. Detent remains outside housing.
- b. Rotate safety (10) a quarter turn so letters "S" and "F" face rearward.



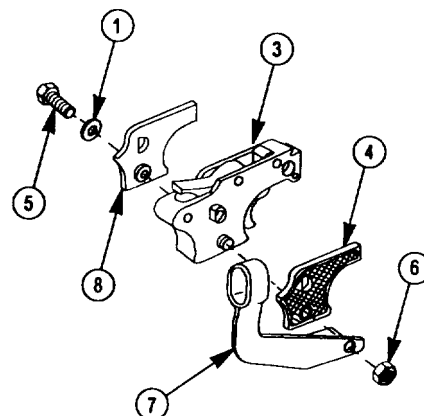
7

Install left grip (1) and trigger actuating assembly (2) in trigger housing (3). Install right grip (4), securing with hex head machine bolt (5) and self-locking nut (6).



8

- a. Install right grip (4) and charger cable guide (7) on right side of trigger housing (3).
- b. Install left grip (8), flat washer (1), and hex head machine bolt (5).
- c. Secure with self-locking nut (6).



### 3-14. MAINTENANCE OF TRIGGER HOUSING ASSEMBLY (M240B/M240G)

This task covers:

- a. Disassembly      b. Inspection/Repair      c. Reassembly

#### INITIAL SETUP

##### Tools and Special Tools

Shop Set, Small Arms: Field Maintenance,  
Basic Less Power, PN SC 4933-95-CL-A11;  
TAMCN E26562E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

##### Materials/Parts

Crocus abrasive cloth (item 3, app D)  
Wiping rag (item 10, app D)

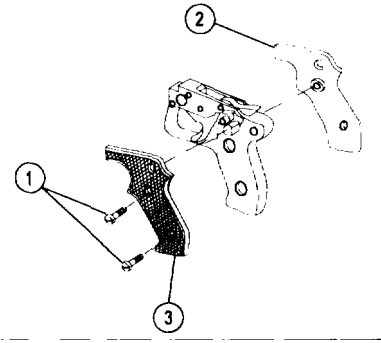
##### Equipment Condition

Trigger assembly removed  
(TM 9-1005-313-10/TM 08670A/09712A-10/1 B)

#### DISASSEMBLY

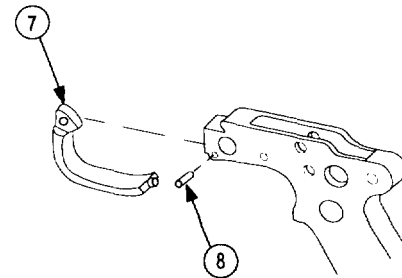
##### 1

Use a flat tipped screwdriver to remove the two machine bolts (1) holding the right (2) and left (3) grips in place.



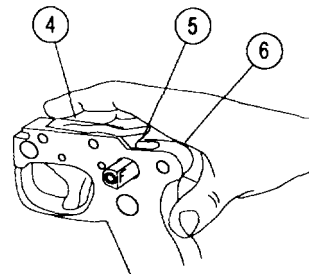
##### 2

Remove trigger guard pin (8) and trigger guard (7) from the trigger housing assembly only if trigger guard is damaged.



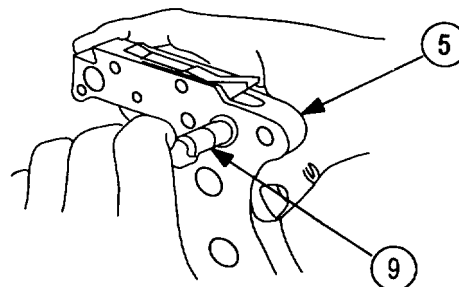
##### 3

Pull back on tripping lever (4) inside trigger housing (6) and raise sear (5).



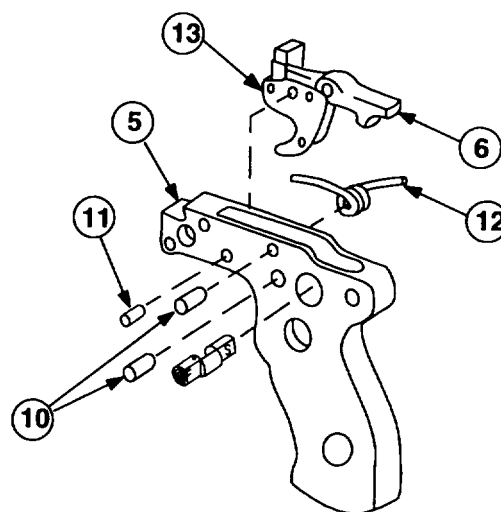
4

Rotate safety (9) a quarter turn clockwise (as viewed from the left side). Letters 'S' and 'F' will face downward. Pull safety (9) through trigger housing (5) from right to left.

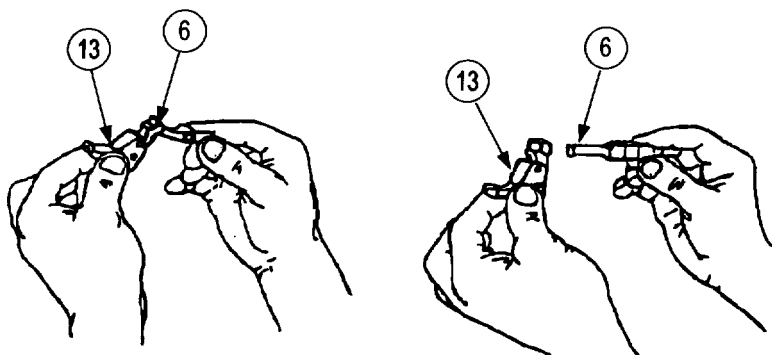


5

Remove three headless straight pins (10 and 11). Remove sear (6), sear spring (12), and trigger (13) from trigger housing (5).



6



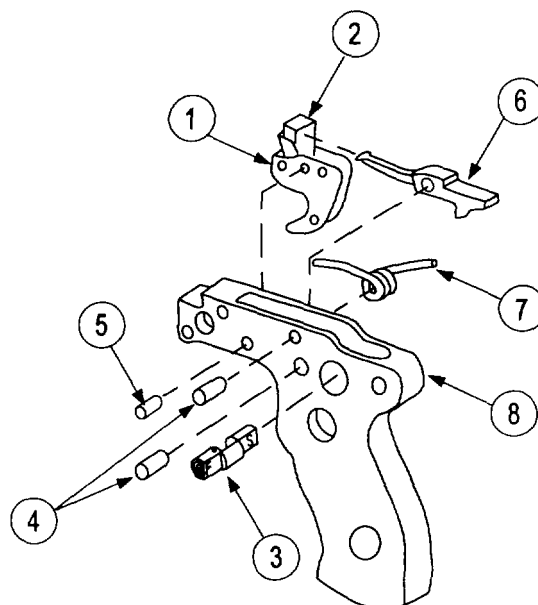
Separate sear (6) and trigger (13) by giving sear one quarter turn, freeing it from the slot in the lever.

### 3-14. MAINTENANCE OF TRIGGER HOUSING ASSEMBLY (M240B/M240G) (cont)

#### INSPECTION /REPAIR

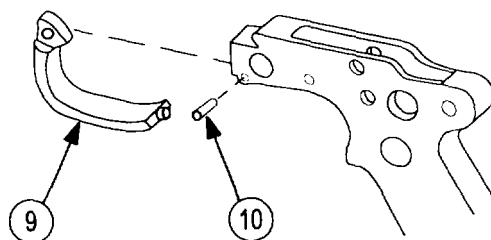
1

- a. Inspect front edge of trigger (1). Replace if chipped or if burrs cannot be removed.
- b. Pull tripping lever (2) rearward. Replace trigger (1) if tripping lever does not return to position without binding.
- c. Check safety (3) for burrs, damaged detent, or distorted lettering. Replace if burrs cannot be removed with crocus cloth or if safety is damaged or letters distorted.
- d. Check the headless straight pins (4 and 5) and replace if bent.
- e. Check sear (6) and replace if broken, cracked, or worn.
- f. Check spring (7) and replace if broken or distorted.
- g. Check trigger housing (8) and replace if broken, cracked, or if holes are elongated.



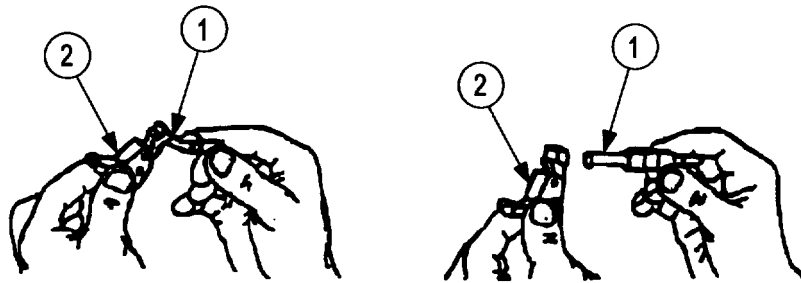
2

- a. Inspect trigger guard (9) and trigger guard pin (10) and replace if cracked or bent.
- b. Check grips and replace if cracked or broken.



## REASSEMBLY

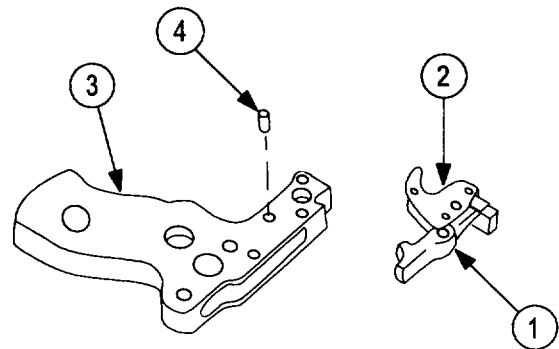
1



Ensure all parts are lightly lubricated. Insert sear (1) into lever slot in trigger (2) sideways. Give the sear a quarter turn, as viewed from the left side, polished side up.

2

- a. Place trigger housing (3) on its side on a flat surface.
- b. Lower sear (1) and trigger (2) into trigger housing (3). Grasping trigger, press it forward against the inner front edge of housing. This action will push backward on the lever allowing the trigger to slide into place. Align the holes in trigger (2) and trigger housing (3). Insert headless straight pin (4).

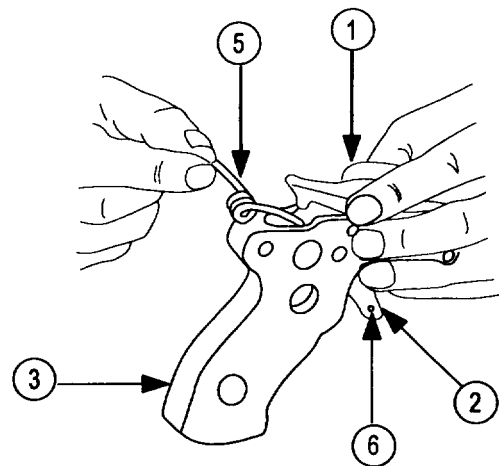


3

### NOTE

**Be sure leg of sear spring (5) is in groove of sear (1) and behind riveted pin (6) as shown.**

Insert sear spring (5), with leg pointing forward, into trigger (3). The lower tip of sear spring (5) must bear against the riveted pin (6) across the back of trigger (2) when trigger is later rotated rearward.



### 3-14. MAINTENANCE OF TRIGGER HOUSING ASSEMBLY (M240B/M240G) (cont)

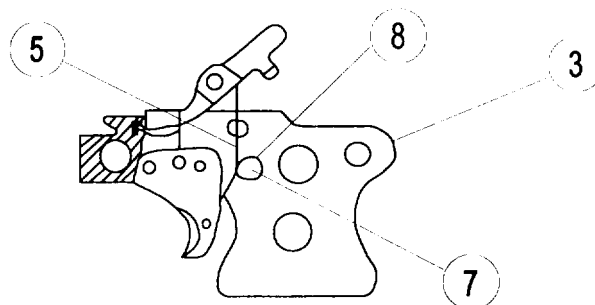
#### REASSEMBLY (cont)

4

#### NOTE

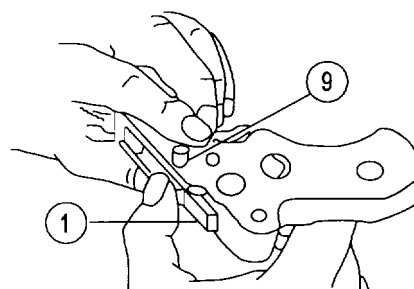
**This illustration is a cutaway view of the trigger housing.**

Install one headless straight pin (7) in pin hole (8) in trigger housing (3) and through sear spring (5).



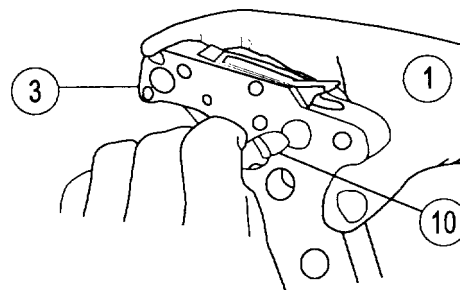
5

Lower sear (1) compressing sear spring and install headless straight pin (9).



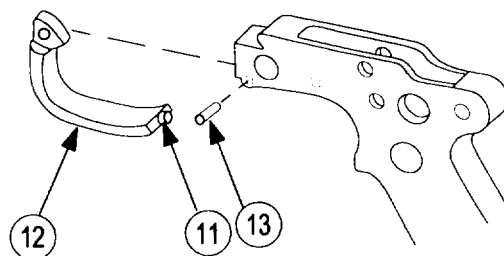
6

- Holding trigger housing (3), ensuring sear (1) is in raised position, insert safety (10) from left to right with letter 'S' first and facing down. Detent remains outside housing.
- Rotate safety (10) a quarter turn so that the letters 'S' and 'F' face rearward.



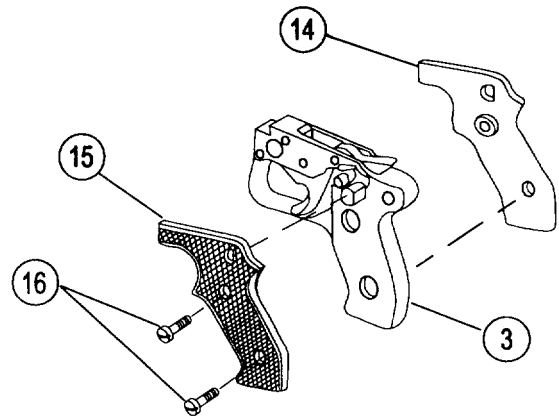
7

Insert tab (11) on the rear of the trigger guard (12) into the appropriate detent in the trigger housing assembly. Align the holes in the trigger guard and trigger housing assembly and insert the trigger guard pin (13).



8

- a. Place right (14) and left (15) grips in proper positions on the trigger housing (3).
- b. Install bolts (16) and tighten securely, being careful not to overtighten the bolts.



3-49



### 3-15. MAINTENANCE OF COVER ASSEMBLY

This task covers:

- a. Disassembly      b. Inspection/Repair      c. Reassembly

#### INITIAL SETUP

##### Tools and Special Tools

Shop Set, Small Arms: Field Maintenance,  
Basic Less Power, PN SC 4933-95-CL-A11;  
TAMCN E26562E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

##### Materials/Parts

Crocus abrasive cloth (item 3, app D)  
Weapons lubricating oil (as required)

##### Equipment Condition

Cover assembly removed  
(TM 9-1005-313-10/TM 08670A/09712A-10/1 B)

#### DISASSEMBLY

1

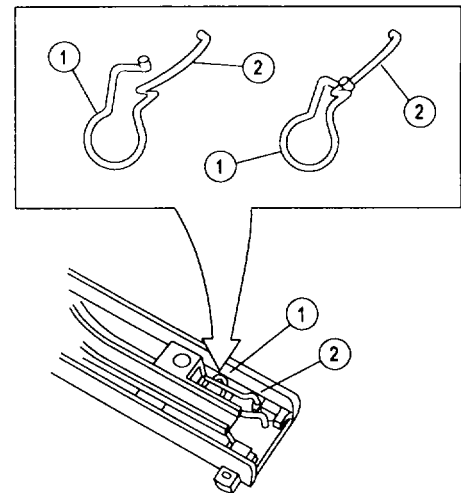
##### WARNING

Hold hand over retaining clip when  
engaging or disengaging leg, or  
retaining clip will fly off pivot post.

##### NOTE

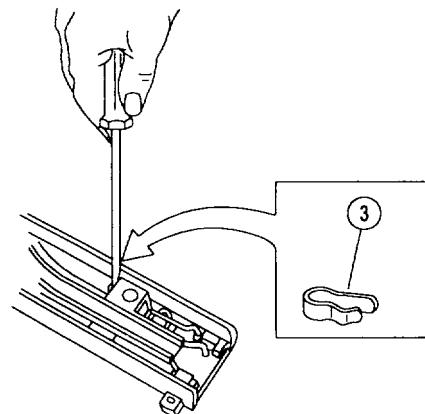
Procedures are written for M240  
cover assembly but apply to all cover  
assemblies.

Hold retaining clip (1) so it will not rotate. Lift straight leg  
(2) and engage it in the hook of its opposite leg.



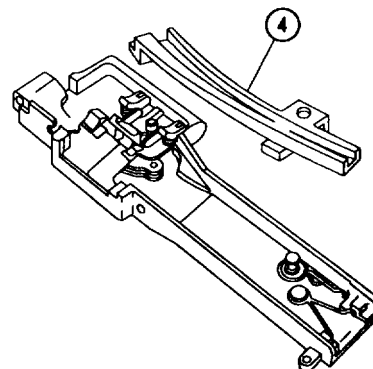
2

Use screwdriver to remove spring tension lock pin (3).



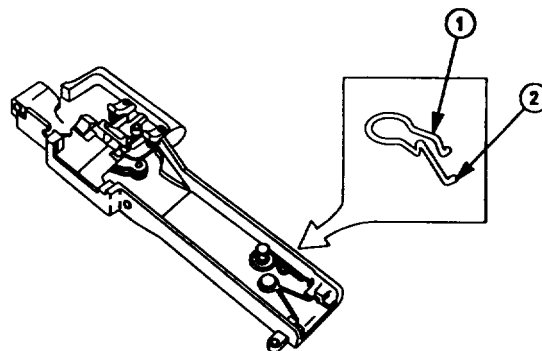
3

Remove feed lever (4).



4

Disengage straight leg (2) from hooked leg of retaining clip (1) and remove.

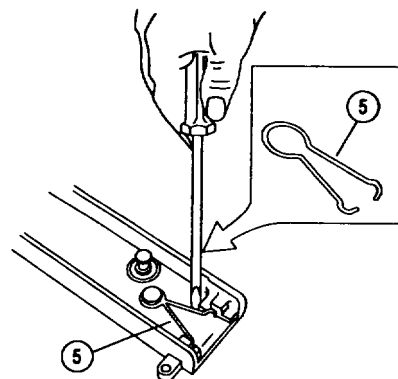


5

**WARNING**

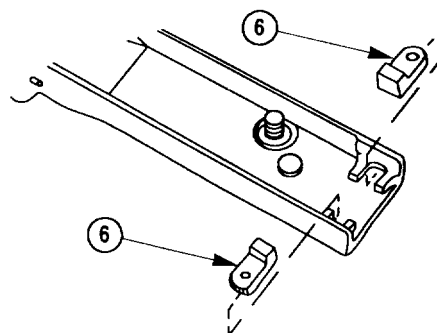
**Hold hand over retaining clip when engaging or disengaging leg, or retaining clip will fly off pivot post.**

Insert the blade of screwdriver under one leg of retaining clip (5). Apply slight pressure on the leg of the clip and raise it by turning the screwdriver against the wall of the cover. Remove retaining clip (5).



6

Remove two cover latches (6).

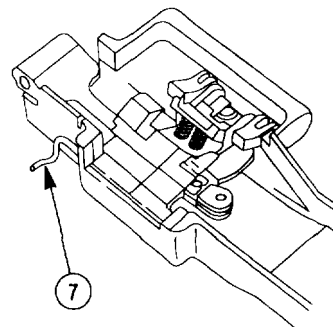


### 3-15. MAINTENANCE OF COVER ASSEMBLY (cont)

#### DISASSEMBLY (cont)

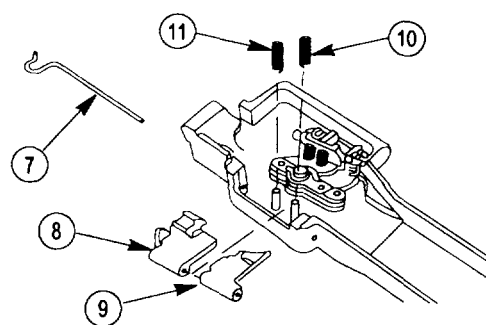
7

Unlock pawl retaining pin (7) from notch in cover.



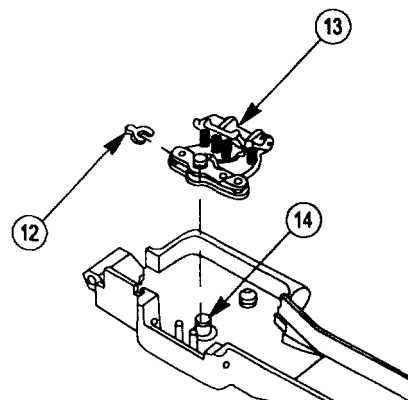
8

Apply slight pressure downward between front and rear cartridge guides (8 and 9) and remove pawl retaining pin (7), rear cartridge guide (9), one helical compression spring (10), front cartridge guide (8), and other helical compression spring (11).



9

Remove retaining ring (12) and lift feed pawl assembly (13) off feed pawl pivot post (14).

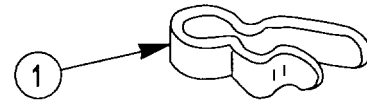


### 3-15.MAINTENANCE OF COVER ASSEMBLY (cont)

#### INSPECTION/REPAIR

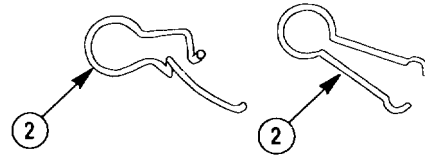
1

Replace spring tension lock pin (1) if it is weak, deformed, or burred.



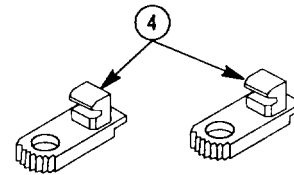
2

Replace retaining clips (2 and 3) if either is deformed or has lost its spring tension.



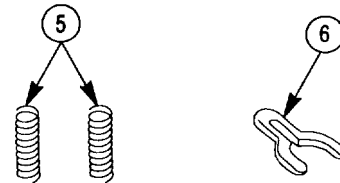
3

Replace cover latch (4) if cracked or have burrs which cannot be removed.



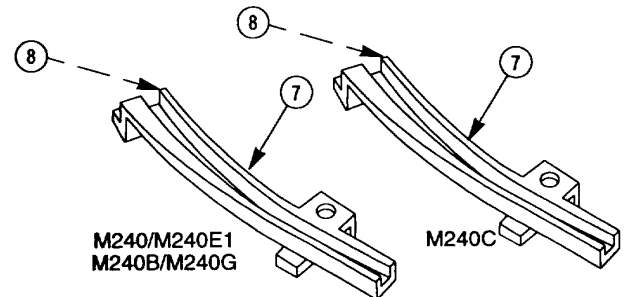
4

Replace two helical compression springs (5) if springs are cracked, broken, or have taken a permanent set. Replace retaining ring (6) if broken or cracked.



5

Replace feed lever (7) if channel is distorted, cracked, or rippled or if pivot hole is elongated or enlarged. Remove burrs with crocus cloth (item 3, app D), or replace if fork end (8) has burrs in roller area.

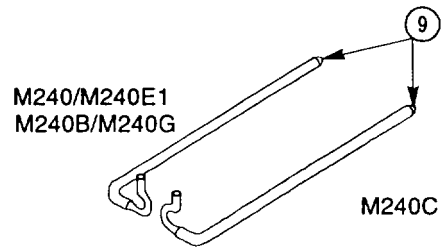


### 3-15. MAINTENANCE OF COVER ASSEMBLY (cont)

#### INSPECTION/REPAIR (cont)

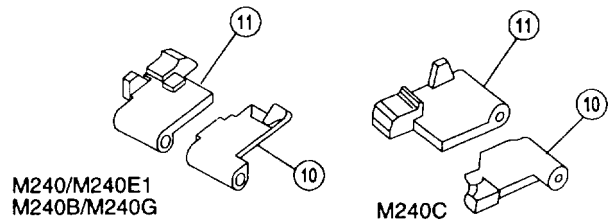
6

Replace pawl retaining pin (9) if it does not hold securely.



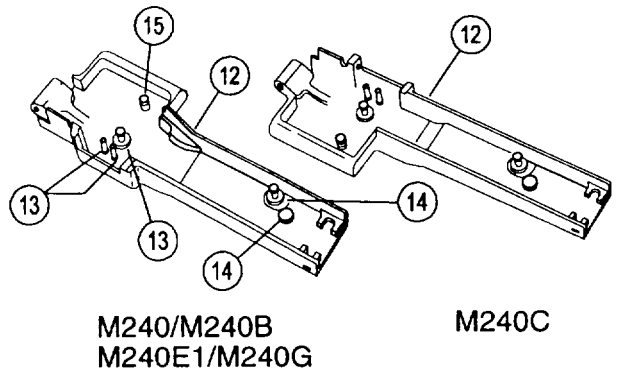
7

Replace rear cartridge guide (10) and front cartridge guide (11) if they are worn, bent, broken, or have burrs or cracks.



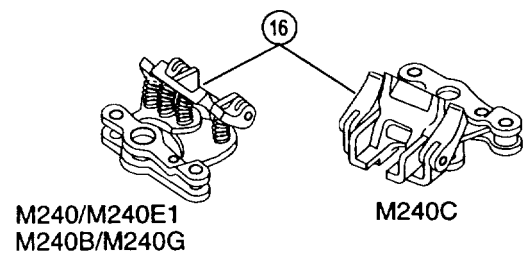
8

Replace cover (12) if it is distorted, cracked, or if malfunction would occur if burrs were removed. Replace cover if posts (13) or pivots (14) are loose, if roller (15) binds or if malfunction would occur if burrs were removed.



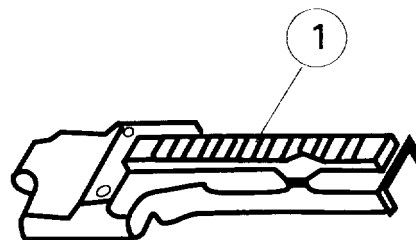
9

- Replace feed pawl assembly (16) if pawl has distortions, cracks, or is excessively burred or worn.
- Lightly lube all parts before reassembly.



**10**

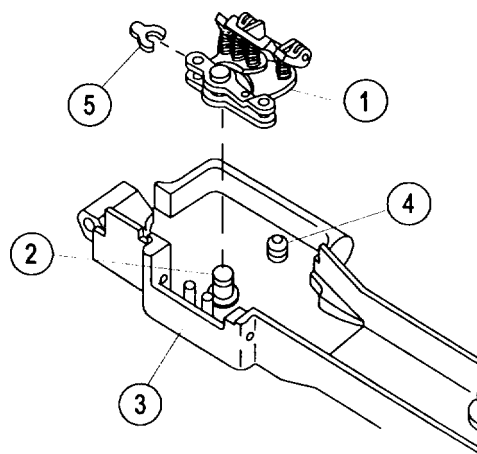
M240B only: Inspect accessory mounting rail (1) for nicks or burrs. If nicks or burrs prevent proper attachment of optional sighting equipment, replace cover.



**REASSEMBLY**

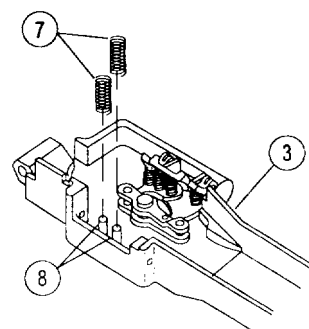
**1**

Install feed pawl assembly (1) on feed pawl pivot post (2) in cover (3). Be sure feed pawl roller (4) is in well behind feed pawl assembly (1). Secure retaining ring (5) in place on feed pawl pivot post (2).



**2**

Install two helical compression springs (7) on spring guide posts (8) in cover (3),



### 3-15. MAINTENANCE OF COVER ASSEMBLY (cont)

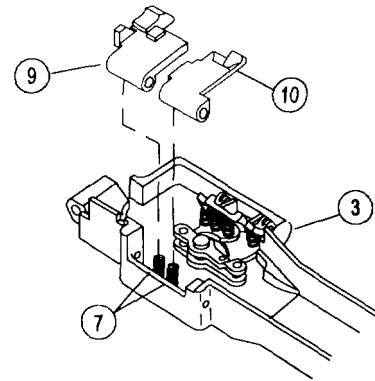
#### REASSEMBLY (cont)

3

#### NOTE

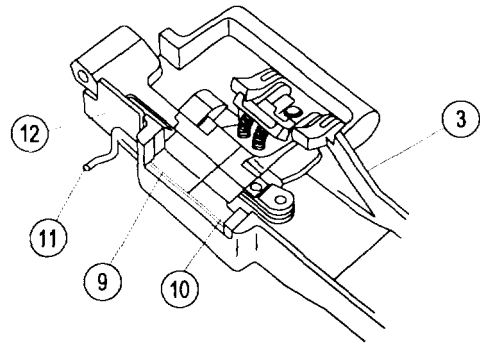
**Front cartridge guide (9) must overlap rear cartridge guide (10).**

Place rear cartridge guide (10) and front cartridge guide (9) in cover opening with spring wells toward cover (3) and over helical compression springs (7).



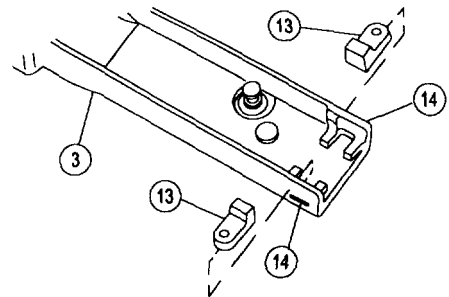
4

Align pawl retaining pin hole in cartridge guides (9 and 10) and cover (3). Apply pressure downward, and insert pawl retaining pin (11) through cover (3) and cartridge guides (9 and 10) from front to rear. Lock pawl retaining pin (11) into slot (12) of cover (3).



5

Insert two cover latches (13) into slots (14) at rear of cover (3).

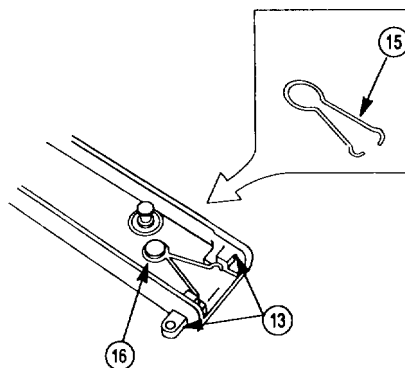


6

**WARNING**

**Hold hand over retaining clip when engaging or disengaging leg, or retaining clip will fly off pivot post.**

Place one leg of retaining clip (15) in slot of cover latch (3) and place loop over pivot post (16). Push the other leg into the slot of other cover latch (13).



7

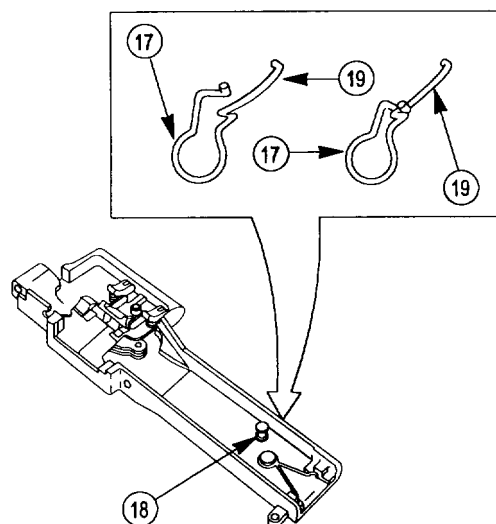
**WARNING**

**Hold hand over retaining clip when engaging or disengaging leg, or retaining clip will fly off pivot post.**

Install loop of retaining clip (17) over feed lever pivot (18) with legs pointing rearward. Hook straight leg (19) of retaining clip behind the hooked leg making sure loop is tightened around feed lever pivot.

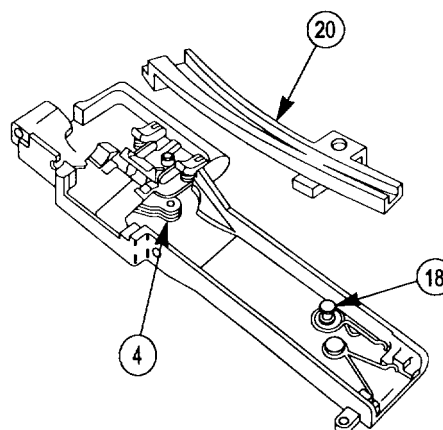
**NOTE**

**Be sure loop of retaining clip (17) is seated properly in well.**



8

Install feed lever (20) on feed lever pivot (18). At the same time, engage fork into feed pawl roller (4). Be sure feed lever is flush with top of feed lever pivot (18).





### 3-15. MAINTENANCE OF COVER ASSEMBLY (cont)

#### REASSEMBLY (cont)

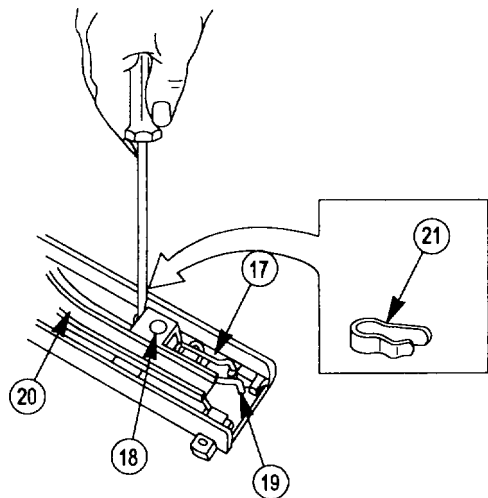
9

- a. Install spring tension lock pin (21) with legs pointed rearward and the loop of clip toward feed lever (20), and push into position on feed lever pivot (18).

#### NOTE

**Spring tension lock pin (21) will click when properly secured.**

- b. Unhook the straight leg (19) of retaining clip (17) from hooked leg. Position straight leg in groove of feed lever (20).



### 3-16. MAINTENANCE OF FEED PAWL ASSEMBLY

This task covers:

- a. Disassembly      b. Inspection/Repair      c. Reassembly

#### INITIAL SETUP

##### Tools and Special Tools

Shop Set, Small Arms: Field Maintenance,  
Basic Less Power, PN SC 4933-95-CL-A11;  
TAMCN E26562E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

##### Materials/Parts

Weapons lubricating oil (as required)

##### Equipment Condition

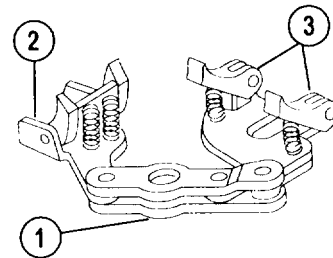
Feed pawl assembly removed (p3-50)

#### DISASSEMBLY

##### NOTE

**Procedures are written for M240 feed pawl assembly, but apply to all feed pawl assemblies.**

Spread feed pawl assembly (1) and separate feed pawl (2) from holding pawls (3).

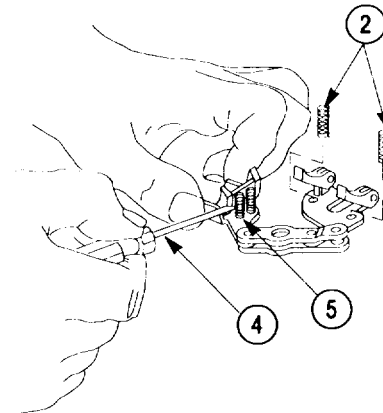


2

##### NOTE

**Feed and holding pawl springs are removed and installed the same way. Remove and assemble one set of springs before removing other set.**

- Holding onto feed pawl (2), insert the tip of screwdriver (4) between the first and second coils of spring (5) just below feed pawl (2).
- Apply slight pressure with screwdriver (4) and remove spring (5).



### 3-16. MAINTENANCE OF FEED PAWL ASSEMBLY (cont)

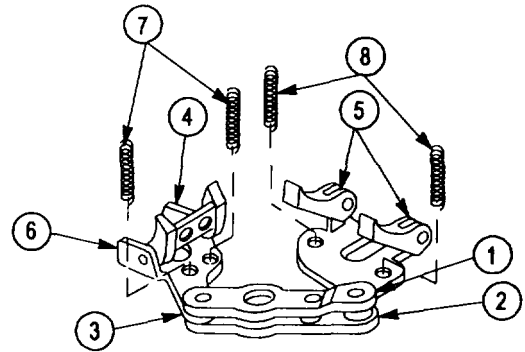
#### INSPECTION/REPAIR

- a. Check feed pawl assembly (1) for completeness. Rollers (2 and 3) must be free of burrs. Pawls (4 and 5) must be free of burrs and cracks. Linkage arms (6) must be free of distortion and cracks. If not, replace feed pawl assembly (1).

#### NOTE

**Springs (7) or springs (8) shall be replaced as a set.**

- b. Check springs (7 and 8) and replace those that are cracked, broken, or have taken a permanent set.

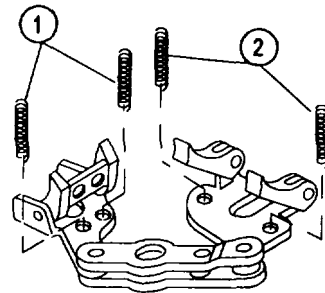


#### REASSEMBLY

1

#### NOTE

**Feed pawl springs (1) are 9 1/2 coils long. Holding pawl springs (2) are 12 3/4 coils long.**



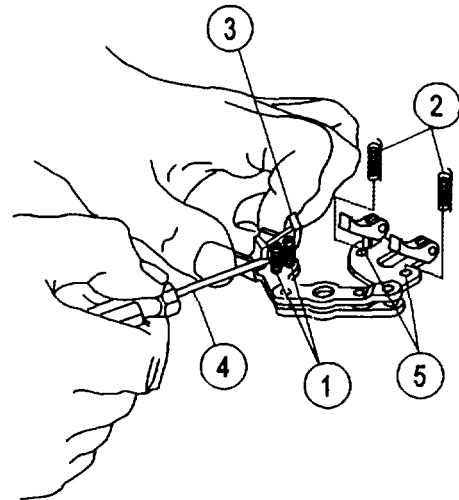
2

- a. Install one end of feed pawl spring (1) into well of feed pawl (3).
- b. Hold feed pawl (3) and feed pawl spring (1) and insert screwdriver (4) between last coils of exposed feed pawl springs (1) and compress to slip into well of feed pawl (3). Install other feed pawl spring (1) in the same way.

#### NOTE

**Be sure coils of feed pawl springs (1) are seated in well of feed pawl (3).**

- c. Install holding pawl springs (2) into wells of holding pawl (5) in the same way.



### 3-17. MAINTENANCE OF RECEIVER ASSEMBLY

This task covers:

- a. Disassembly      b. Inspection/Repair      c. Reassembly

#### INITIAL SETUP

##### Tools and Special Tools

Cover detent plunger disassembly tool, PN 11826077  
Shop Set, Small Arms: Field Maintenance, Basic Less Power, PN SC 4933-95-CL-A11; TAMCN E26562E (Marine Corps only); TAMCN E2900 (Marine Corps only) TM 08670A/09712A-10/1 B)

##### Materials/Parts

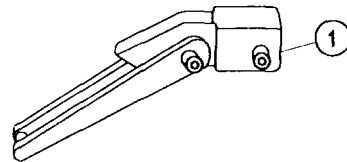
Spring pin, PN MS16562-106  
Crocus abrasive cloth (item 3, app D)

##### Equipment Condition

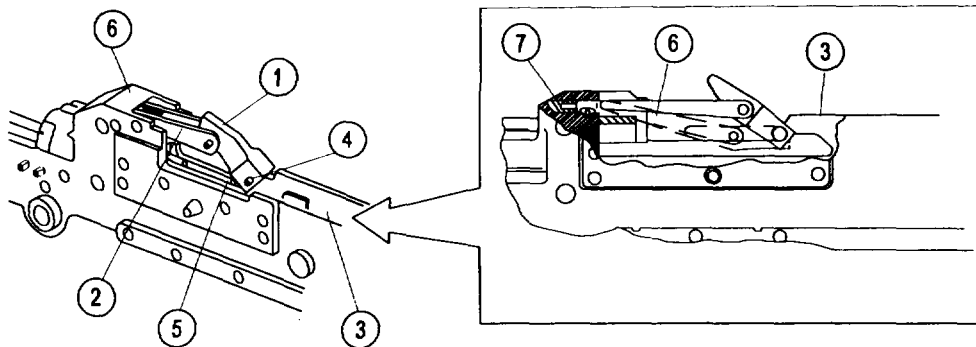
Receiver assembly with major components removed (TM 9-1005-313-10/

#### DISASSEMBLY

Use cover detent plunger disassembly tool (1) to remove cover detent.



2



#### WARNING

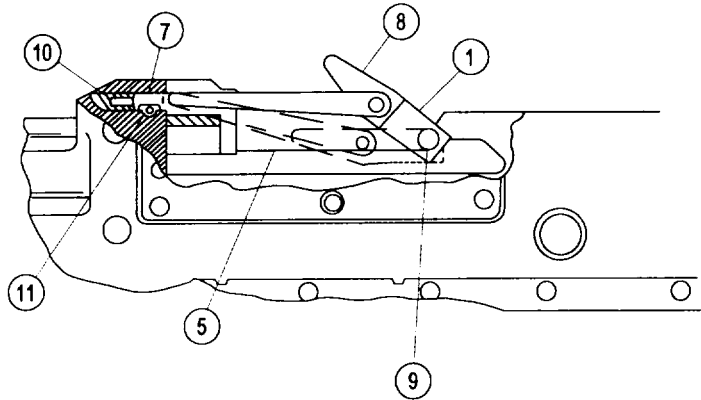
**Personal injury could occur if care is not exercised when installing tool.**

Position cover detent plunger disassembly tool (1) in the opening for feed tray (2) in receiver (3) so that its rear pins (4) rest against upper breechblock guides (5) and its nose (6) rests in groove of detent plunger (7).

### 3-17. MAINTENANCE OF RECEIVER ASSEMBLY (cont)

#### DISASSEMBLY (cont)

3



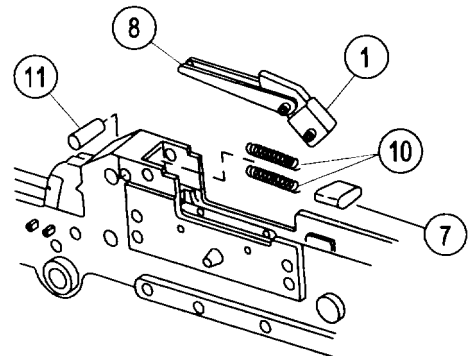
#### WARNING

**Personal injury could occur if care is not exercised when installing tool.**

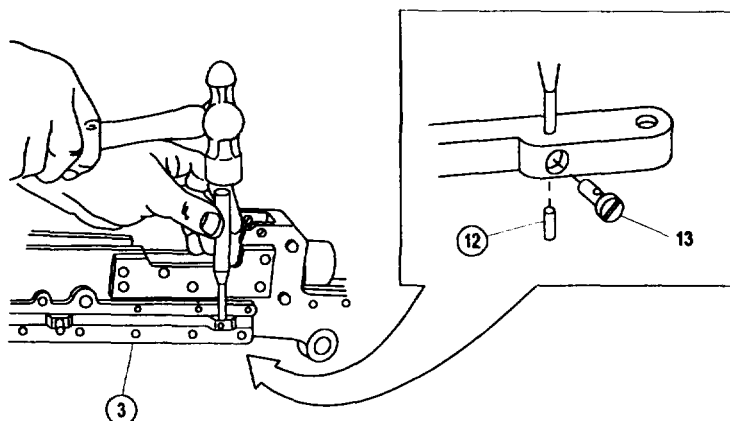
Push lever (8) of cover detent plunger disassembly tool (1) fully downward so that pin (9) will come to rest on upper breechblock guides (5) and detent plunger (7) compresses springs (10) removing pressure on spring pin (11).

4

- a. Remove spring pin (11).
- b. Place one hand on cover detent plunger disassembly tool (1) to steady it. Then lift the lever (8) and remove the tool (1).
- c. Remove detent plunger (7) and springs (10).



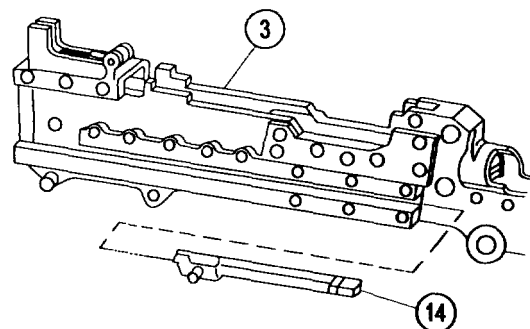
5



Drive out and discard spring pin (12). Press headed straight pin (13) outward from inside of receiver (3).

6

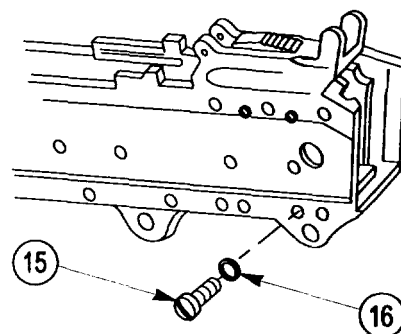
Remove charger slide (14) by sliding it forward out of receiver.



7

#### NOTE

Be sure that four panhead machine screws (15) and flat washers (16) are present. Removal and inspection are not necessary since these items are not critical to weapon functioning and are present only to protect the receiver threads.



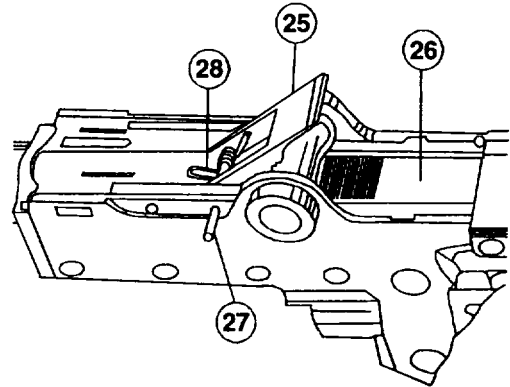
### 3-17. MAINTENANCE OF RECEIVER ASSEMBLY (cont)

#### DISASSEMBLY (cont)

8

M240B/M240G:

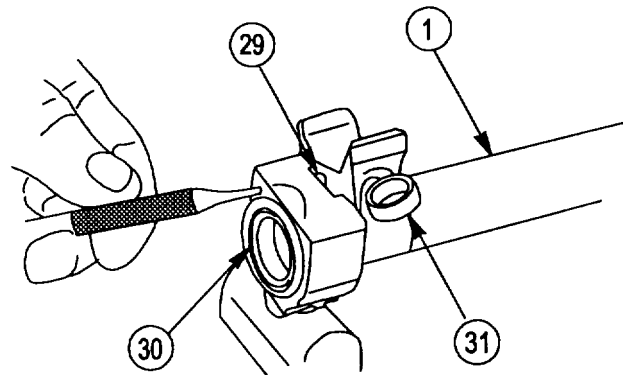
- a. If access cover (26) is still in place, slide it to the rear.
- b. Using pin punch and hammer, remove the retaining latch pin (27), spring (28) and latch (25).



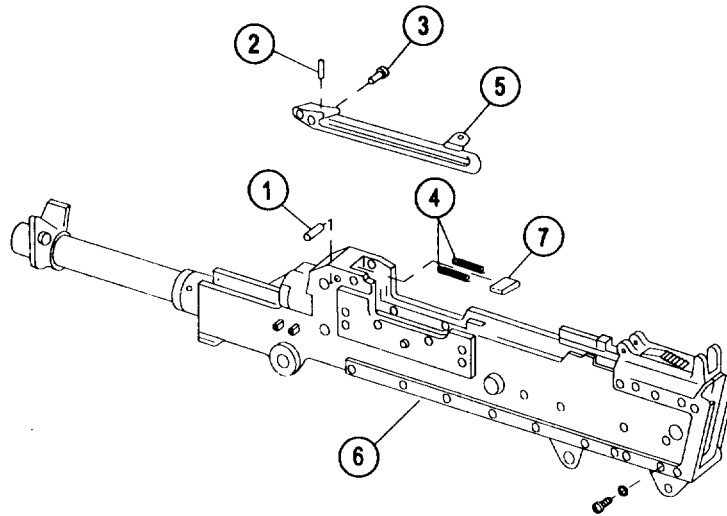
9

M240B/M240G:

Using a hammer and punch, push the bipod retaining pin (29) out of the receiver (1). Remove the bipod assembly. Remove front sling clip (31) out through the left of the receiver (1).



## INSPECTION/REPAIR



- a. Remove burrs from parts with fine file or crocus cloth (item 4, app D).
- b. Check pins (1, 2, and 3) for distortion, cracks, or excessive wear. Replace if distorted, cracked, or worn excessively.
- c. Check springs (4) for breaks, cracks, or distortion. Replace broken, cracked, or deformed springs.
- d. Check charger slide (5) for distortion, cracks, or burrs. Replace if distorted, cracked, or if slide does not operate freely in receiver.
- e. Check receiver (6) for distortion and burrs. Remove burrs. If receiver is distorted, receiver is unserviceable.
- f. Check receiver (6) for cracks. If receiver is cracked, receiver is unserviceable.
- g. Check detent plunger (7) for cracks, wear, or burrs. Replace if removal of burrs would cause malfunction.



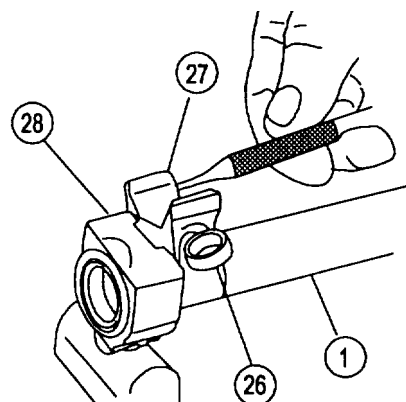
### 3-17. MAINTENANCE OF RECEIVER ASSEMBLY (cont)

#### REASSEMBLY

1

M240B/M240G:

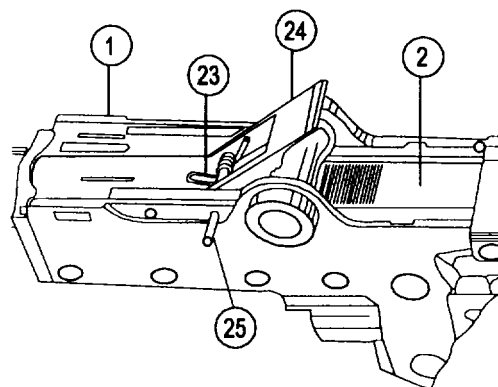
- a. Insert front sling swivel (26) through the left side of receiver (1).
- b. Install bipod assembly. Using a punch, push the bipod retaining pin (27) into cut-out in the bipod head (28). Ensure retaining pin (27) is loose enough to prevent binding of bipod head.



2

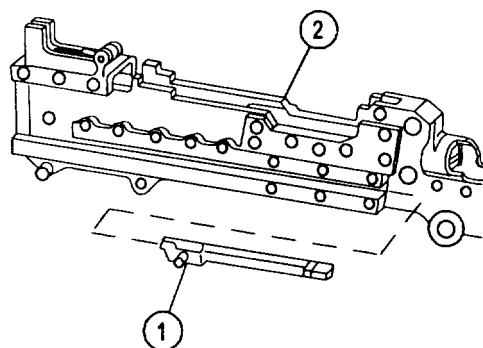
M240B/M240G:

- a. With receiver upside down, place the retaining latch spring (23) into bipod retaining latch (24). Place both latch and spring into the receiver (1). Align holes and install retaining latch pin (25).
- b. Push bipod retaining latch into the receiver and close access cover (2).



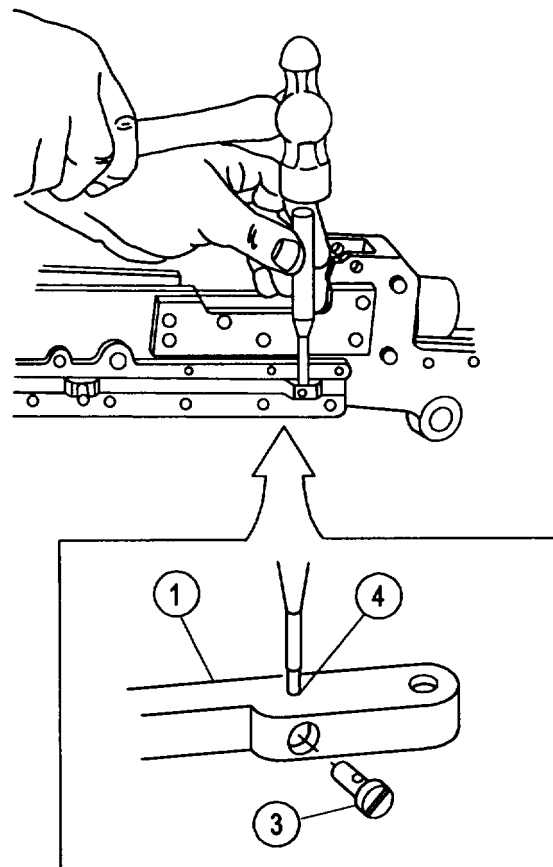
3

Install charger slide (1) into right front side of receiver (2) and slide rearward.



4

Install headed straight pin (3) in charger slide (1). Align headed straight pin (3) slot with slide spring pin hole and secure with new spring pin (4). Spring pin (4) must be flush on both sides.

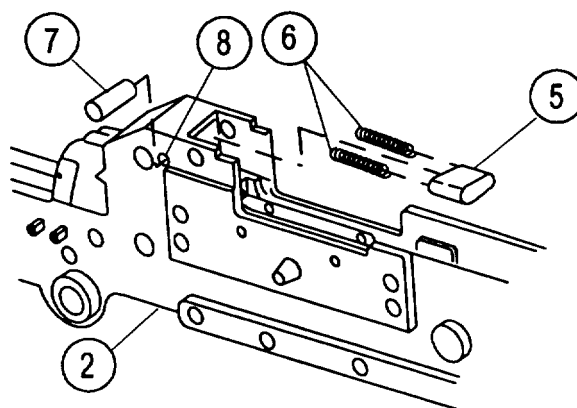


5

#### NOTE

**If new springs are used, open the first coil on one end of each spring prior to insertion. Either end may be used to secure detent plunger.**

- Lubricate detent plunger (5) and two springs (6) with lubricating oil and insert springs (6) into wells in detent plunger (5) (open end is inserted in the plunger first).
- Install detent plunger (5) in receiver (2) with slot in detent plunger (5) facing down. Start spring pin (7) into holes (8) in receiver.

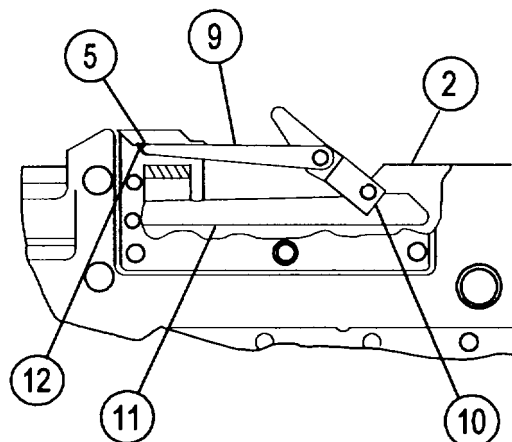


### 3-17. MAINTENANCE OF RECEIVER ASSEMBLY (cont)

#### REASSEMBLY (cont)

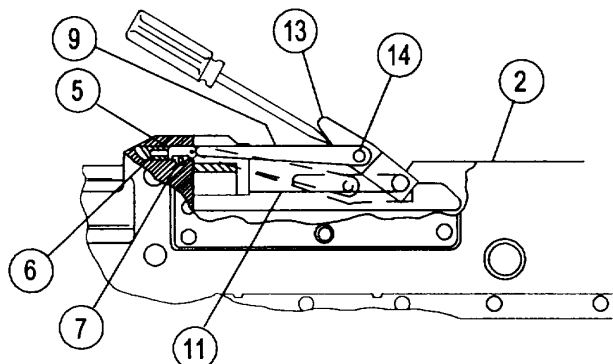
6

Position cover detent plunger disassembly tool (9) on receiver (2) so that rear pins (10) rest against upper breechblock guides (11) and end (12) sets in groove of detent plunger (5).



7

- a. Push lever (13) of cover detent plunger disassembly tool (9) fully downward so that detent plunger (5) compresses springs (6) and pin (14) will come to rest on upper breechblock guides (11) of receiver (2).
- b. Complete installation of spring pin (7).
- c. Use screwdriver to remove cover detent plunger disassembly tool (9) as shown.

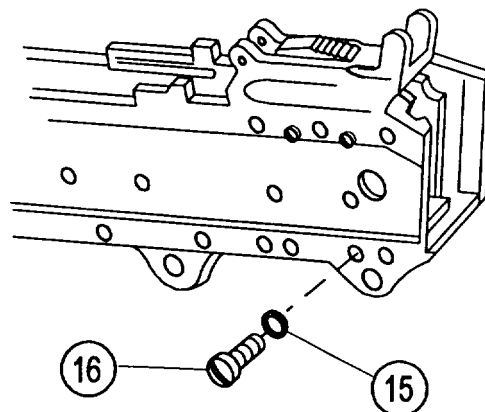


8

**NOTE**

**Perform this procedure only if flat washers (15) and panhead machine screws (16) are missing.**

Install four flat washers (15) and panhead machine screws (16).



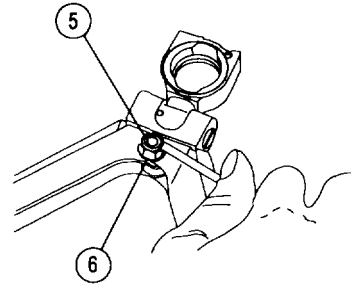
### 3-18. MAINTENANCE OF BIPOD ASSEMBLY (M240B/M240G)

This task covers:		
a. Disassembly	b. Inspection/Repair	c. Reassembly
INITIAL SETUP		
Tools and Special Tools		Equipment Condition
Shop Set, Small Arms: Field Maintenance, Basic Less Power, PN SC 4933-95-CL-A11; TAMCN E26562E (Marine Corp only); TAMCN E2900 (Marine Corp only)		Bipod assembly removed from receiver (p3-61)

#### DISASSEMBLY

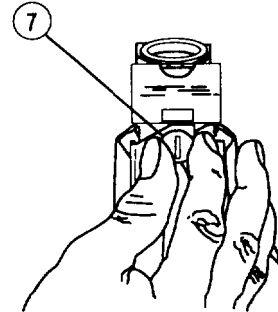
1

Using a screwdriver or other pointed tool, lift/remove the locking ring (5) from the bipod leg pin nut (6).



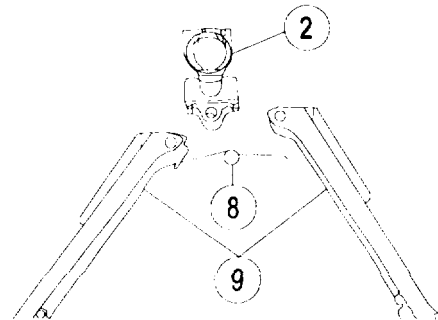
2

Unscrew the bipod leg pin (7), remove the washer and nut.



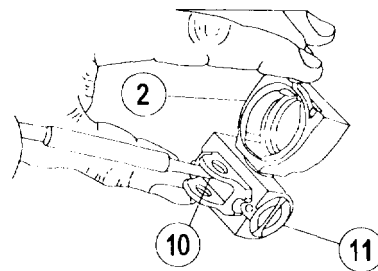
3

Separate the bipod leg spring (8) and bipod legs (9) from the bipod head (2).



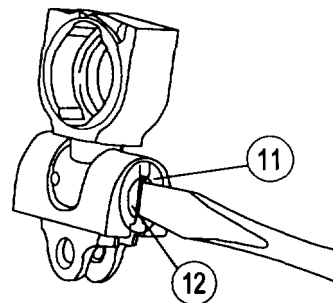
4

Rotate the bipod head (2) 90 degrees, so the split pin (10) inside the hollow cylinder (11) is exposed. Use a punch to remove the split pin from the hollow cylinder.



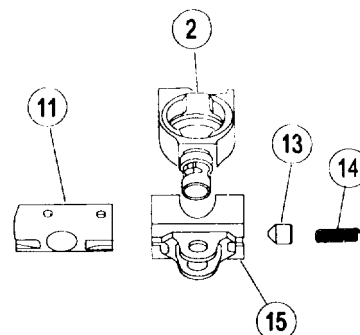
5

Using a screwdriver, push in and turn the bipod head plug (12) 1/4 turn until the tangs are aligned with the grooves on the hollow cylinder (11). The plunger and spring will push the plug out of the head.



6

Remove the retaining plunger (13) and plunger spring (14). Separate the bipod head (2) and remove the hollow cylinder (11) from the hinging head (15).

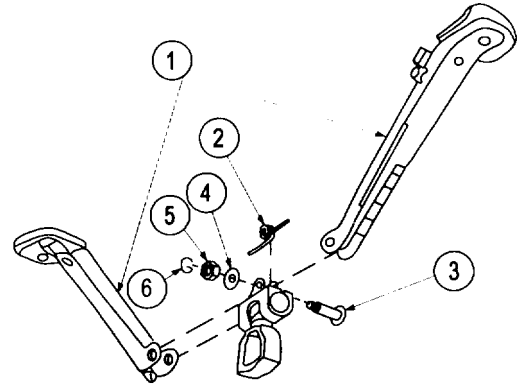


### 3-18. MAINTENANCE OF BIPOD ASSEMBLY (M240B/M240G) (cont)

#### INSPECTION/REPAIR

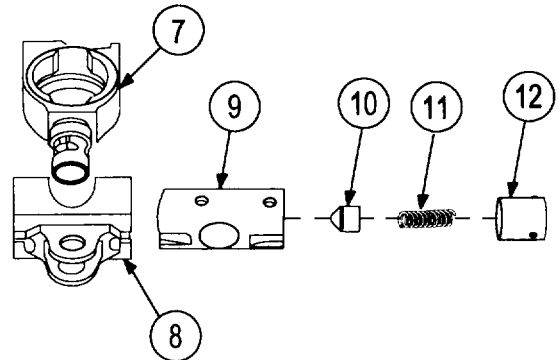
1

- a. Inspect bipod legs (1), bipod leg spring (2), and bipod leg pin (3) for distortion, cracks, or excessive wear. Replace if distorted, cracked, or excessively worn.
- b. Inspect washer (4), nut (5), and locking ring (6) for rust and damage. Replace unserviceable components.



2

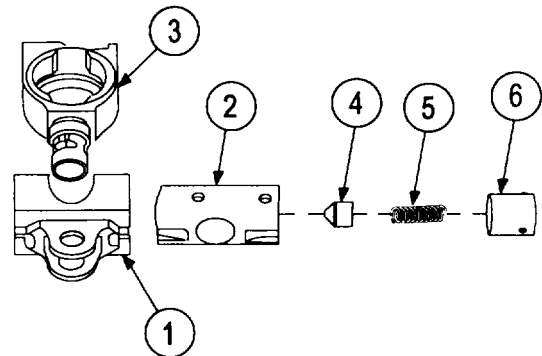
- a. Inspect bipod head (7), hinging head (8), and hollow cylinder (9) for burrs, cracks, or distortion. Replace if distorted, cracked, or if hinging head (8) does not rotate freely on the bipod head (7).
- b. Inspect retaining plunger (10), plunger spring (11), and bipod head plug (12) for burrs, cracks, or distortion. Replace unserviceable components.



#### REASSEMBLY

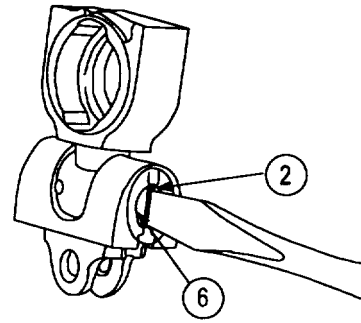
1

- a. Hold the hinging head (1) as shown with the screw bracket down and opening toward you.
- b. Insert the hollow cylinder (2) with the closed end first from the right with the slots vertical.
- c. Push bipod head (3) into hollow cylinder (2), with plunger detent to the right. Insert retaining plunger (4), pointed end first, and retaining spring (5) into open end of hollow cylinder (2).



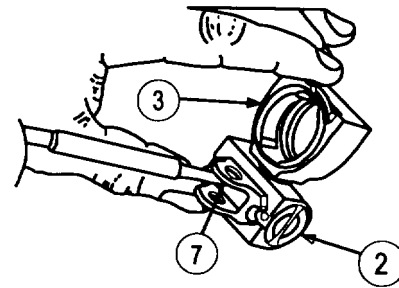
2

- a. Insert bipod head plug (6) into the hollow cylinder (2) with tangs aligned.
- b. Using a screwdriver, push in on bipod head plug (6) and make a 1/4 turn in either direction until it locks in place. The bipod head plug (6) will be flush with the hollow cylinder (2).



3

Rotate bipod head (3) until the hole for the split pin (7) is aligned. Tap the split pin (7) into place and flush with surface of the hollow cylinder (2).

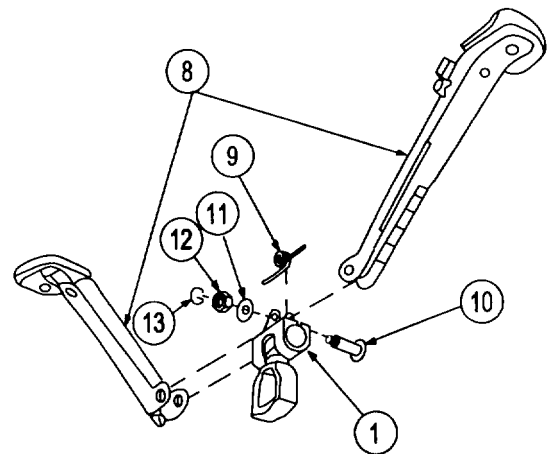


4

#### NOTE

**Legs must be reattached so the bipod leg catches are on the same side of the hinge head as the bipod head slot, or the bipod will not pivot toward the rear of the machine gun.**

- a. Assemble the bipod upside down. Using protective jaws, clamp the hinge head upside down in vise. Align the hinge holes of the bipod legs (8) with the hinge head (1).
- b. Press the bipod leg spring (9) into the 'V' formed by the bipod leg and insert the bipod leg pin (10) from the solid side of the hinge head.
- c. Mount washer (11) and hand-tighten nut (12) onto bipod leg pin (10), ensuring that the hole in the bipod leg pin (10) is aligned with groove in nut (12).
- d. Reattach locking ring (13) through the hole in the bipod leg pin (10) and through a groove in the nut (12).





### 3-19. MAINTENANCE OF RECEIVER BODY

This task covers:

Disassembly/Inspection/Repair/Reassembly

#### INITIAL SETUP

##### Tools and Special Tools

Shop Set, Small Arms: Field Maintenance,  
Basic Less Power, PN SC 4933-95-CL-A11;  
TAMCN E26562E (Marine Corps only);  
TAMCN E2900 (Marine Corps only)

##### Materials/Parts

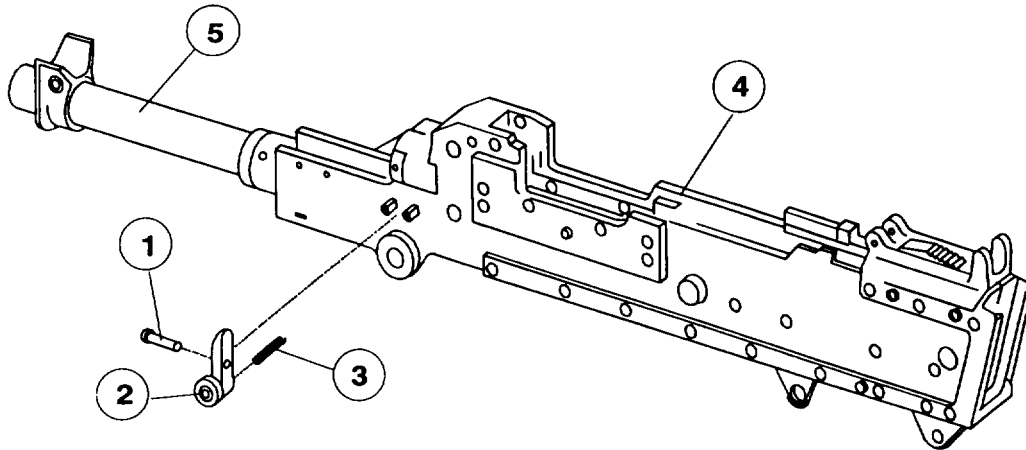
Crocus abrasive cloth (item 3, app D)

##### Equipment Condition

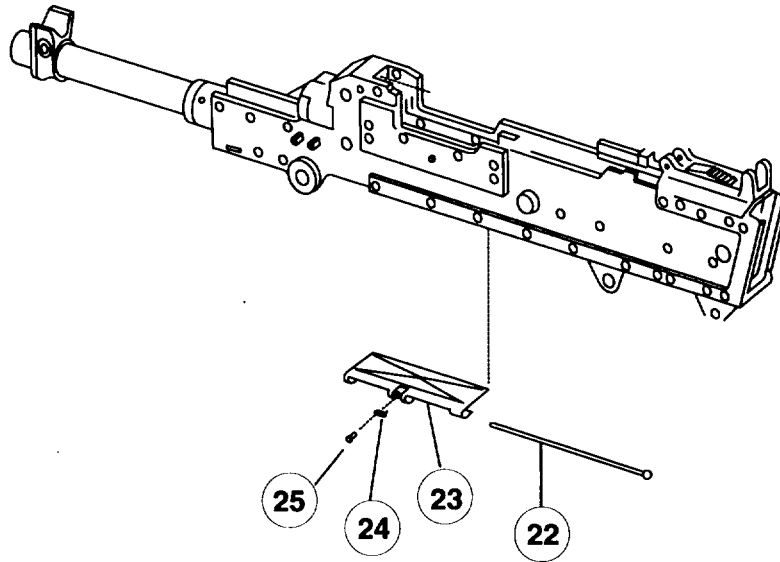
Receiver body with major components  
(TM 9-1005-313-10/TM 08670A/09712A-10/1 B)  
and bipod assembly (3-61) removed

#### DISASSEMBLY/INSPECTION/REPAIR/REASSEMBLY

1



- Remove headed grooved pin (1), barrel locking latch (2), and helical compression spring (3) from receiver (4).
- Check pin (1) and barrel locking latch (2) for distortion, cracks, or excessive wear. Replace if distorted, cracked or excessively worn.
- Check spring (3) for breaks, cracks, or distortion. Replace if spring is broken, cracked, or permanently set.
- Check receiver (4) and gas cylinder (5) for cracks and burrs. Remove burrs with fine stone or crocus cloth (item 4, app D). If receiver/gas cylinder is cracked, receiver is unserviceable. Code the receiver as unserviceable and turn in through normal supply channels.
- Install helical compression spring (3), barrel locking latch (2), and headed grooved pin (1) in receiver (4).



**NOTE**

**Do not disassemble ejection port cover unless repair is required.**

M240B only:

- a. Pull hinge pin ( 22) to rear and remove. Remove spring (24), detent (25) and ejection port cover (23).
- b. Check hinge pin (22) for bends, cracks or excessive wear. Replace if damaged or worn.
- c. Check spring (24) for breaks or distortion. Replace if damaged.
- d. Check detent (25) for wear. Replace if worn.
- e. Check ejection port cover (23) for cracks or distortion. Replace if damaged.
- f. Install detent (25), spring (24), ejection port cover (23) and pin (22).

### 3-20. FINAL INSPECTION

This task covers:

- a. Testing
- b. Trigger Pull Test
- c. Further Testing
- d. Using Firing Pin Protrusion Gage to Measure Firing Pin Protrusion
- e. Final Inspection

#### INITIAL SETUP

##### Tools and Special Tools

Firing pin protrusion gage, PN 11826304  
Headspace warning gage, PN 11826299  
Headspace reject gage, PN 11826274  
TAMCN E2900 (Marine Corp only)

##### Tools and Special Tools (cont)

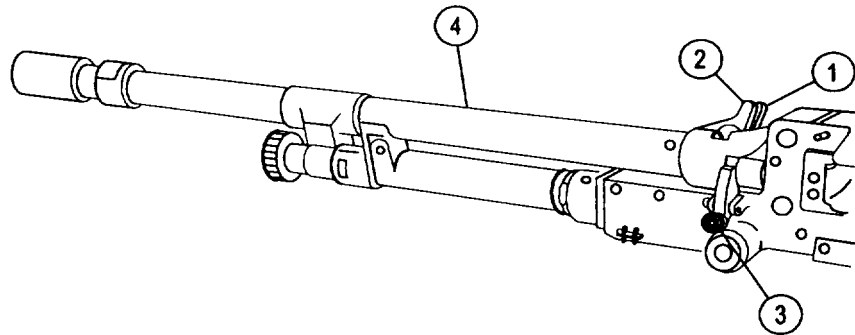
Shop Set, Small Arms: Field Maintenance,  
Basic Less Power, PN SC 4933-95-CL-A11;  
TAMCN E26562E (Marine Corp only);

##### Equipment Condition

Machine gun assembled  
(TM 9-1005-313-10/TM 08670A/09712A-10/1 B)

#### TESTING

1



#### WARNING

Make certain weapon is cleared and that there is no obstruction in the barrel or chamber.

#### NOTE

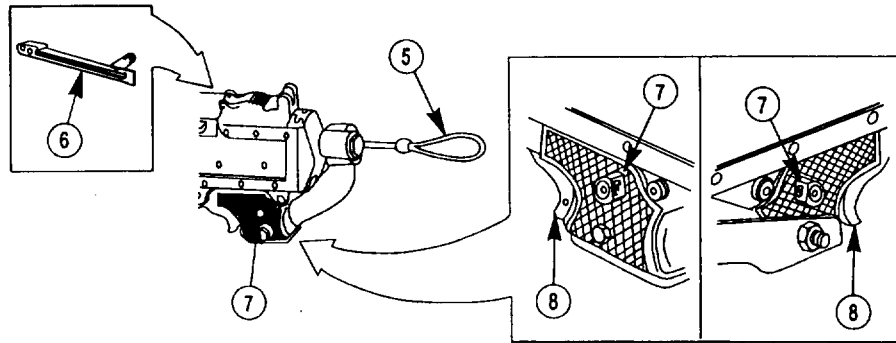
Procedures are written for the M240 machine gun but apply to all models of the machine gun except where indicated.

#### NOTE

Fewer than 2 or more than 7 clicks indicate defective parts.

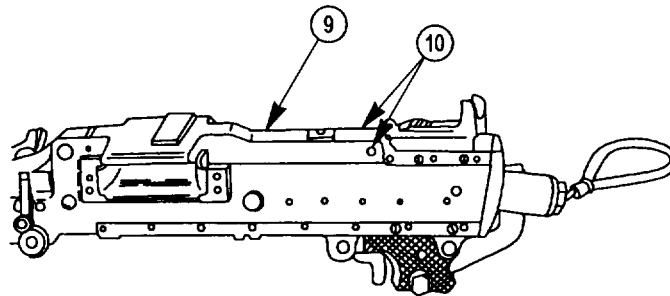
Check operation and position of the barrel release latch (1), barrel release (2), and barrel locking latch (3). Barrel (4) must be locked securely in receiver.

2



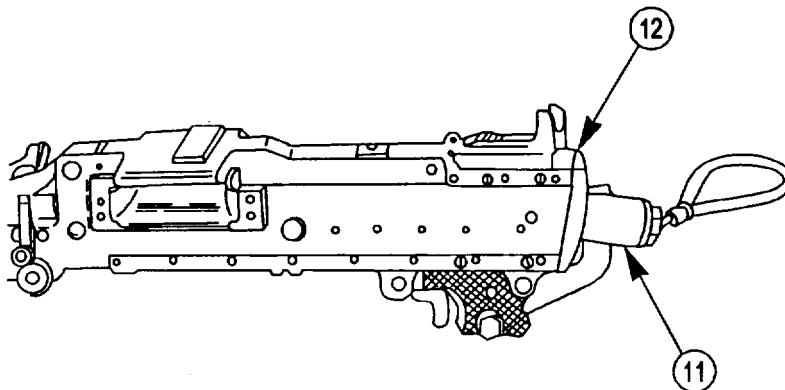
Charge the weapon with charger cable (M240/M240C) (5) or manual control handle (M240B/ M240E1/M240G) (6). Charging action must be smooth and positive. Operate the safety (7). Action must be smooth and positive, locking in either the safe or fire position. When safety is in "F" position, pull trigger (8). Weapon must fire. When safety is in "S" position, weapon must not fire.

3



Open and close cover (9). Locking in the closed position must be positive. Depress cover latches (10) and open cover. The plunger action must hold the cover open.

4



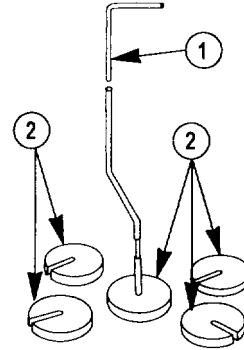
Check buffer assembly (11). Buffer assembly must be flush with top of receiver (12).

### 3-20. FINAL INSPECTION (cont)

#### TRIGGER PULLTEST

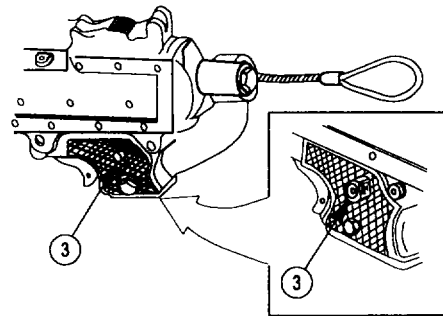
1

Place test fixture (1) on bench and add test weights (2) until minimum load 2.7 kg (6 lb) is reached.



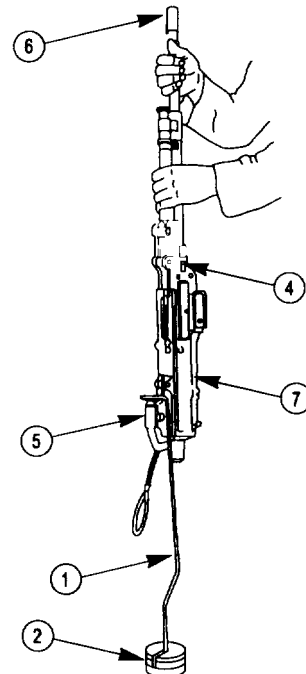
2

Charge weapon and place safety (3) to "F" position.



3

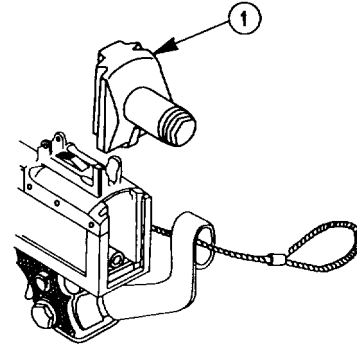
- a. Hold machine gun (4) in vertical position. Hook end of test fixture (1) over trigger (5) and slowly raise machine gun (4) in a line parallel to the barrel bore (6) until test weights (2) are suspended. The bolt assembly (7) should not move forward to firing position.
- b. Remove fixture (1) and add weights (2) until maximum load 7.045 kg (15 1/2 lb) is reached. Repeat above procedures. Bolt assembly (7) should move forward to firing position. If machine gun fails trigger pull test, replace defective parts and repeat test.



## FURTHER TESTING

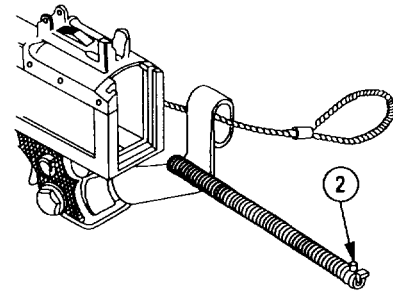
1

Remove buffer assembly (1).



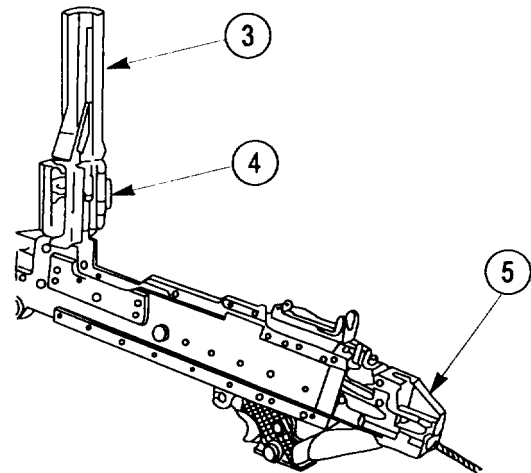
2

Remove driving spring rod assembly (2).



3

- a. Raise cover (3) and feed tray (4).
- b. Slide bolt and operating rod assembly (5) slightly rearward.

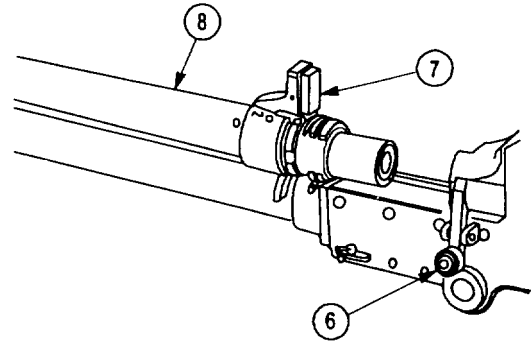


### 3-20. FINAL INSPECTION (cont)

#### FURTHER TESTING (cont)

4

Release barrel locking latch (6) and turn barrel release latch (7) to upright position and move barrel assembly (8) slightly forward.

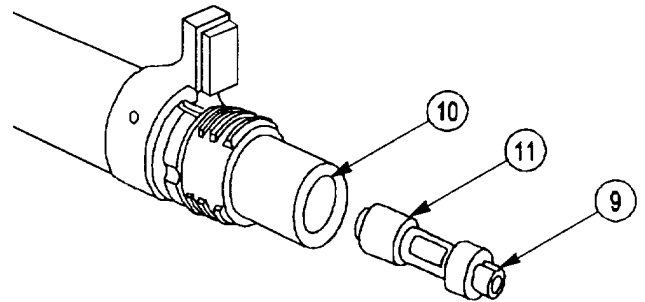


5

#### NOTE

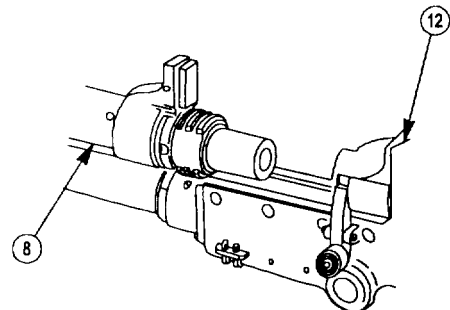
The notch (9) in headspace gage (11) must face upward and toward the rear of chamber (10) to provide clearance for ejector.

Insert headspace gage (11) (warning or reject) with notch up in chamber (10).



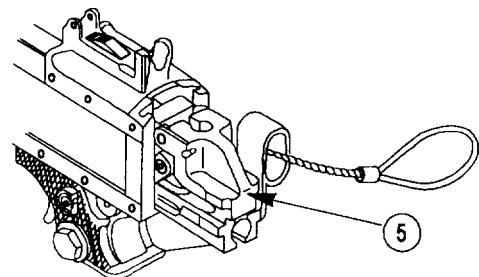
6

Carefully place barrel assembly (8) back into receiver (12) and lock in position.



7

Slide bolt and operating rod assembly (5) forward and exert slight pressure to determine if weapon is in locked or unlocked position.

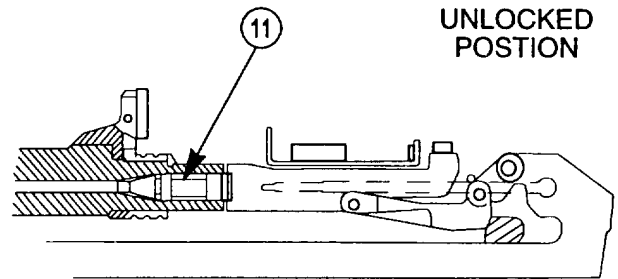


8

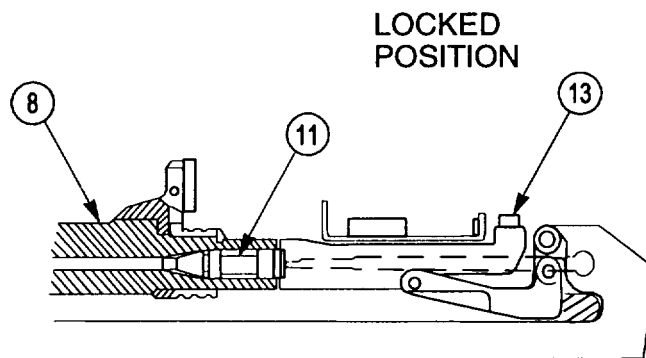
**NOTE**

The headspace gage (warning) (11) should not allow bolt assembly to lock in firing position.

In the event of locking with headspace warning gage inserted, the weapon may be kept in service if it is needed for immediate use, as long as the headspace reject gage does not allow locking of the weapon.



9



**WARNING**

The headspace gage (reject) (11) must never allow the bolt assembly to lock in the firing position.

**NOTE**

If it is necessary to replace parts, headspace warning and reject gaging procedures must be repeated to be sure weapon is serviceable.

Perform testing with the headspace gage (reject) (11) as shown in steps 4 thru 7 above. If the weapon locks with the headspace gage (reject) (11), do not use the weapon until it is repaired. To repair, replace bolt assembly (13), barrel assembly (8), or replace both bolt assembly and barrel assembly.

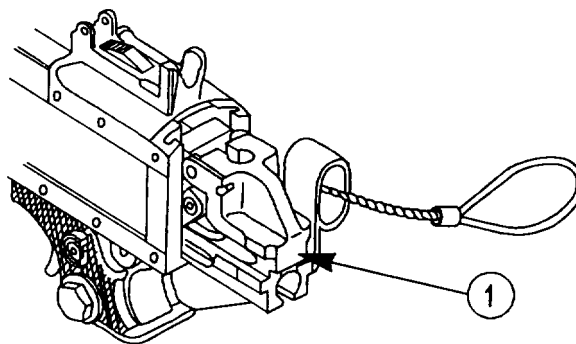


### 3-20. FINAL INSPECTION (cont)

#### FURTHER TESTING (cont)

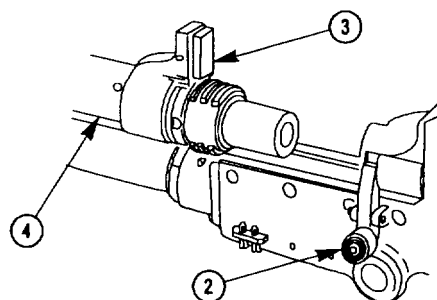
10

Slide bolt and operating rod assembly (1) slightly rearward.



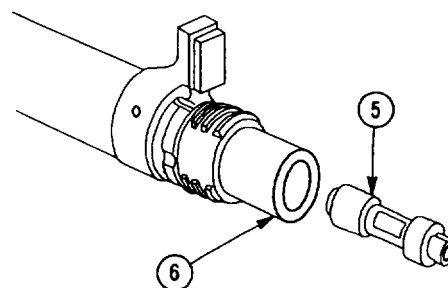
11

Release barrel locking latch (2) and turn barrel release latch (3) to upright position and move barrel assembly (4) slightly forward.



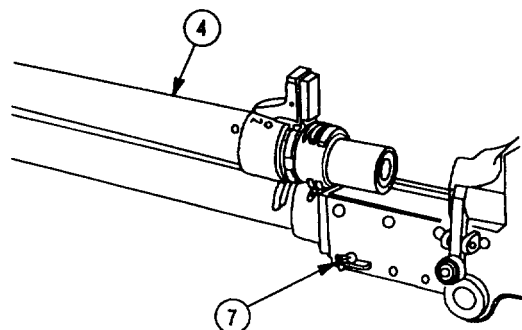
12

Remove headspace gage (5) from chamber (6).



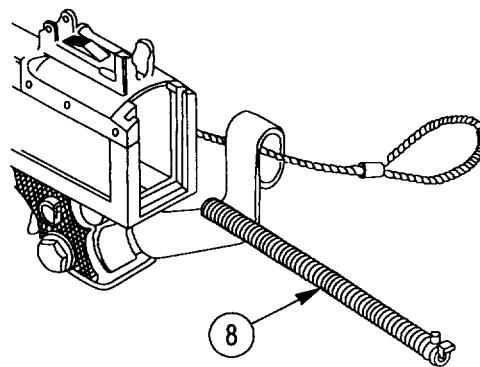
13

Place barrel assembly (4) back into receiver (7) and lock in position.



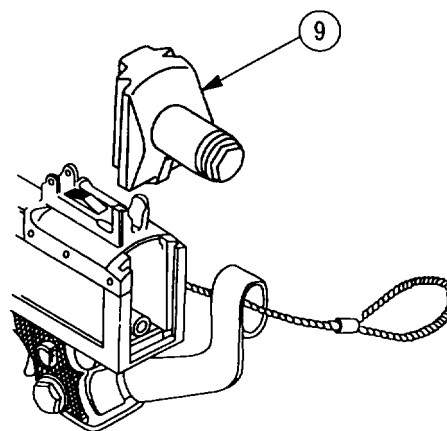
14

Install driving spring rod assembly (8).



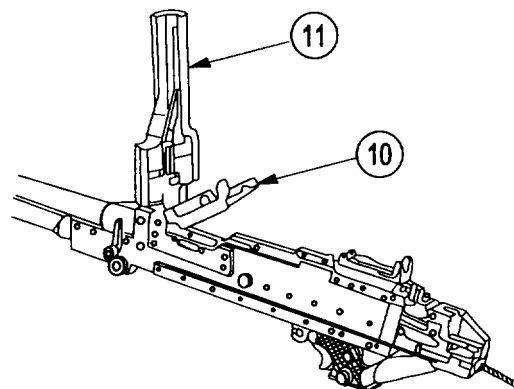
15

Install buffer assembly (9).



16

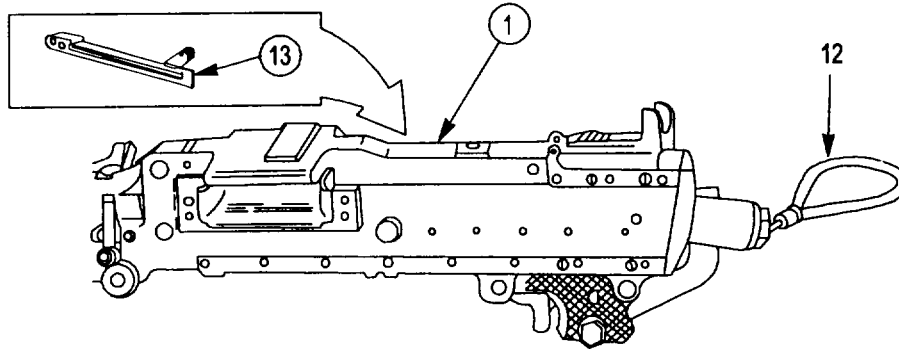
Lower feed tray (10) and close and lock cover (11).



### 3-20. FINAL INSPECTION (cont)

#### FURTHER TESTING (cont)

17

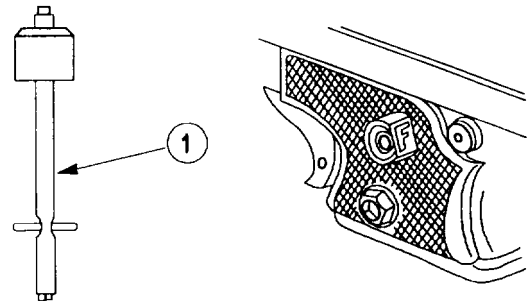


Charge weapon to the rear and release charger cable (M240/M240C) (12) or manual control handle (M240B/M240E1/M240G) (13) to function check the sear action. Bolt and operating rod assembly (1) should remain rearward.

#### USING FIRING PIN PROTRUSION GAGE TO MEASURE FIRING PIN PROTRUSION

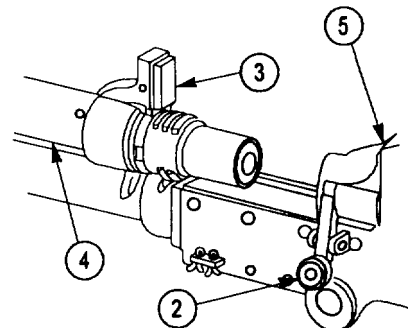
1

The first step in using the firing pin protrusion gage (1) is to function check the machine gun. The bolt and operating rod must go forward freely to firing position when trigger is pulled. (Safety must be in "F" position.)

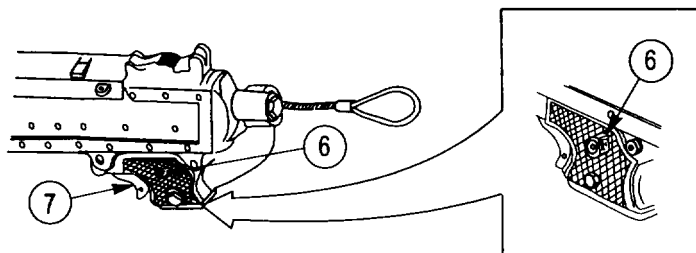


2

Release barrel locking latch (2) and turn barrel release latch (3) to upright position and remove barrel assembly (4) from receiver (5).



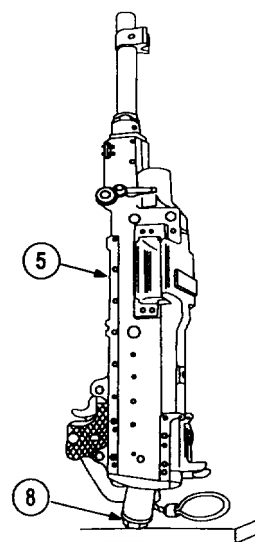
3



With safety in "F" position (6), pull trigger (7) to be sure bolt and operating rod assembly is forward in firing position.

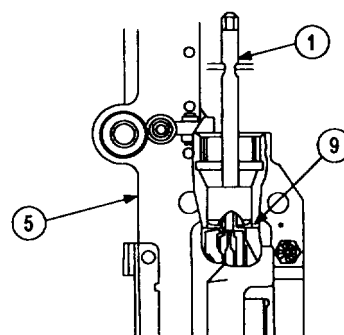
4

Point receiver (5) upward with buffer (8) resting on a work surface.



5

- a. Insert firing pin protrusion gage (1) in receiver.
- b. Seat the bottom end of gage (1) firmly against the bolt face (9).



### 3-20. FINAL INSPECTION (cont)

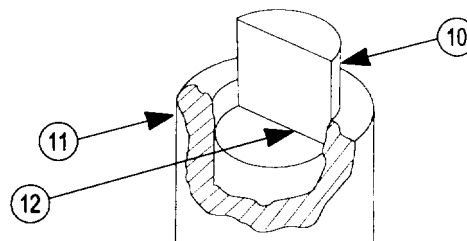
#### USING FIRING PIN PROTRUSION GAGE TO MEASURE FIRING PIN PROTRUSION (cont)

6

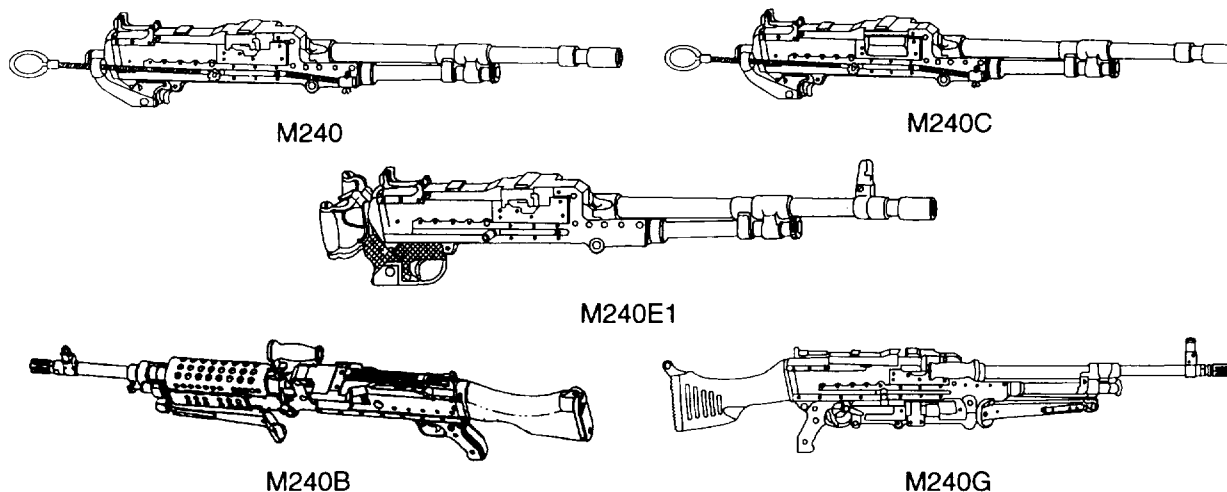
#### NOTE

Illustration is a cut-away view of the gage tube.

Read gage as follows: the end of the movable rod (10) must be flush or above the edge of the stationary tube (11). The notch (12) in the movable rod (10) must be flush or below the edge of the stationary tube (11).



7



- a. Check the overall machine gun and make sure black finish surfaces do not reflect light. Weapon with more than 1/3 of exterior finish worn off should be sent to depot for overhaul.
- b. Check the tightness of all attaching screws, bolts, nuts, cotter pins, and rivets.
- c. Check for adequate lubrication.
- d. Check for missing parts.
- e. A machine gun that has been repaired should be function fired whenever possible to be sure it operates properly. If weapon cannot be function fired, use dummy rounds and function test manually. If a machine gun fails the function-firing test, it must be reinspected to determine the cause of the failure and corrective action must be taken.
- f. Upon completion of firing, machine gun must be cleaned and lubricated.
- g. Make an overall inspection of the machine gun for cleanliness and general appearance.

#### Section IV. PREEMBARKATION INSPECTION OF MATERIEL IN UNITS ALERTED FOR OVERSEAS MOVEMENT

##### 3-21. PREEMBARKATION INSPECTION OF MATERIEL IN UNITS ALERTED FOR OVERSEAS MOVEMENT.

*a. General.* This inspection is conducted on materiel in alerted units scheduled for overseas duty to be sure that such materiel will not become unserviceable in a relatively short time. It prescribes a higher percentage of remaining usable life in serviceable materiel to meet a specific need beyond minimum serviceability.

*b. Preinspection Points.*

#### WARNING

**Before starting an inspection, be sure to clear the weapon. Do not actuate the trigger until the weapon has been cleared. Inspect the bore and chamber to be sure they are empty and free from obstructions.**

- (1) Before inspection, the materiel must be thoroughly cleaned of all grease, dirt, or other foreign matter that might interfere with its proper function or the use of gages and tools during inspection.
- (2) Materiel must be free of burrs, rust or corrosion on functional surfaces.
- (3) Parts must not be cracked, bent, distorted, or damaged and must be free of excessive wear or looseness.
- (4) Minor defects in metal components do not normally affect their acceptability. For example, scratches and tool marks are ordinarily of no importance.
- (5) Inspect finish of metal surfaces. Satisfactory metal surfaces for weapons range from black to light gray. A shiny metal surface is objectionable only when it is capable of reflecting light. No weapon will be rejected unless exterior parts have a shine.

*c. Inspection Points.*

- (1) Springs must be free of distortion and broken coils. Springs must have sufficient tension to perform their intended function.
- (2) Barrels: (a) Barrels must be clean and free of rust and corrosion which is caused by moisture and powder fouling.  
(b) Barrels must not be bulged.

#### NOTE

**If the condition of the chrome plate appears difficult to determine, test fire 50 rounds in short bursts at a target 50 meters away. The imprint of each shot must be a clearly defined circle. Reject the barrel when the imprints of the shots are oblong instead of circular. Be sure the target is reasonably perpendicular to the line of fire.**

- (c) Barrels may have small amounts of flaking or small cracks in the chrome plating in the chamber and bore.
- (d) Flash hider/suppressor must not be dented.
- (e) Pits in the chamber are allowable if they do not cause extraction problems.
- (f) Scattered or uniformly fine pits, or fine pits in a densely pitted area are allowable.
- (g) Tool marks are acceptable, regardless of length. They may appear as lines running longitudinally in the grooves or may run spirally across the tops of lands.
- (h) Lands that appear dark, due to coating of gilded metal from projectiles will not be cause for rejection.

**3-21. PREEMBARKATION INSPECTION OF MATERIEL IN UNITS ALERTED FOR OVERSEAS MOVEMENT (cont).**

- (3) The sear and cocking notches must be in good condition. Chipped engaging corners will be cause for rejection. Slight wear on functional surfaces, including engaging corners, shall be acceptable, providing the minimum trigger pull requirements are met.
  - (4) Chips, flat spots, or bent strike points on firing pins will be cause for rejection.
  - (5) The cartridge engaging surface on extractors must not be chipped or deformed.
  - (6) Safety must positively position in both the "S" and "F" position. When in the "S" or safety position, the weapon must not fire when the trigger is squeezed; when in the "F" position, the weapon must fire when the trigger is squeezed.
  - (7) Each weapon must be hand functioned to check for unusual binding, positive cocking action and general operation. Dummy ammunition may be used to be sure of positive chambering, extraction and ejection action.
  - (8) Rivets must be tight.
  - (9) All markings must be legible.
- d. *Specific Standards.* Refer to the following table.

**STANDARDS FOR PREEMBARKATION INSPECTION OF 7.62MM MACHINE GUN,  
M240/M240B/M240C/M240E1/M240G, IN UNITS ALERTED FOR OVERSEAS MOVEMENT**

Item	Standard
Barrel	Must pass barrel erosion check (warning mark on gage) (p3-3). Must pass headspace check using headspace warning gage (p3-76).
Trigger Pull	Minimum 2.7 kg (6 lb). Maximum 7.045 kg (15 1/2 lb). Use trigger pull measuring fixture (p3-76).
Firing Pin Protrusion	Must pass firing pin protrusion test (p3-76).
Barrel Release (with barrel mounted in receiver)	Barrel locking latch must lock barrel securely. Barrel locking latch must lock correctly, which is from 2 to 7 clicks.
Buffer Assembly	Buffer assembly must pass PMCS procedures (p2-4).
Cartridge Feed System	All rollers and links must operate smoothly and freely. No binding is permitted.
Charger Cable/ Manual Control Handle	Must operate smoothly and freely. No binding is permitted.

**APPENDIX A  
REFERENCES**

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**A-1. DEPARTMENT OF ARMY PAMPHLETS AND FORMS.**

DA PAM 738-750.....The Army Maintenance Management System (TAMMS)  
DA Form 2028 .....Recommended Changes to Publications and Blank Forms  
SF 364 .....Report of Discrepancy (ROD)  
SF 368 .....Product Quality Deficiency Report

**A-2. FIELD MANUALS.**

FM 21-11 .....First Aid for Soldiers

**A-3. TECHNICAL MANUALS.**

TM 9-1005-313-10/.....Operator's Manual, Machine Gun, 7.62mm, M240 (1005-01-025-8095),  
TM 08670A/09712A- Machine Gun, 7.62mm, M240B (1005-01-412-3129), Machine Gun, 7.62mm, 10/1B  
M240C (1005-01-085-4758), Machine Gun, 7.62mm, M240E1 (1005-01-252-4288)  
and Machine Gun, 7.62mm, M240G (1005-01-359-2714)  
  
TM 9-1300-206.....Ammunition and Explosives Standards  
  
TM 750-244-7 .....Procedures for Destruction of Equipment in Federal Supply Classification 1000,  
1005, 1010, 1015, 1020, 1025, 1030, 1055, 1090, and 1095 to Prevent Enemy Use

**A-4. RELATED PUBLICATIONS.**

DOD 4160.21-M-1 .....Defense Demilitarization Manual

**A-5. USMC PUBLICATIONS AND FORMS**

NAVMC Form 10772 .....Recommended Changes to Technical Publications  
  
TI 8005-24/20D .....Trigger Weight Measurements and Pre-Fire Inspection  
  
TM 3080-12 .....Corrosion, Prevention and Control for Marine Corps Ground Equipment  
  
TM 4700.15/1 .....Equipment Record Procedures  
  
MCO 4855.10 .....Product Quality Deficiency Report



**A-5. MISCELLANEOUS PUBLICATIONS.**

CTA 50-970 .....Expendable/Durable Items (Except Medical, Class V, Repair Parts and Heraldic Items)

CTA 8-100 .....Army Medical Department Expendable/Durable Items

MIL-S-46163.....Sealing, Lubricating, and Wicking Compound, Thread Locking, Anaerobic, Single  
Component

APPENDIX B  
MAINTENANCE ALLOCATION CHART

---

Section I. INTRODUCTION

**B-1. GENERAL.**

a. This section provides a general explanation of all maintenance and repair functions authorized at various maintenance levels.

b. The Maintenance Allocation Chart (MAC) in Section II designates overall authority and responsibility for the performance of maintenance functions on the identified end item or component. The application of the maintenance functions to the end item or component will be consistent with the capacities and capabilities of the designated maintenance levels.

c. Section III lists the tools and test equipment (both special tools and common tool sets) required for each maintenance function as referenced from Section II.

d. Section IV contains supplemental instructions and explanatory notes for a particular maintenance function.

**B-2. MAINTENANCE FUNCTIONS.** Maintenance functions will be limited to and defined as follows (except for ammunition MAC<sup>1</sup>):

a. *Inspect.* To determine the serviceability of an item by comparing its physical, mechanical, and/or electrical characteristics with established standards through examination (e.g., by sight, sound, or feel).

b. *Test.* To verify serviceability by measuring the mechanical, pneumatic, hydraulic, or electrical characteristics on an item and comparing those characteristics with prescribed standards.

c. *Service.* Operations required periodically to keep an item in proper operating condition, i.e., to clean (includes decontaminate, when required), to preserve, to drain, to paint, or to replenish fuel, lubricants, chemical fluids, or gases.

d. *Adjust.* To maintain or regulate, within prescribes limits, by bringing into proper or exact position, or by setting the operating characteristics to specified parameters.

e. *Align.* To adjust specified variable elements of an item to bring about optimum or desired performance.

f. *Calibrate.* To determine and cause corrections to be made or to be adjusted on instruments or test, measuring, and diagnostic equipment used in precision measurement. Consists of comparisons of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared.

g. *Remove/Install.* To remove and install the same item when required to perform service or other maintenance functions. Install may be the act of emplacing, seating, or fixing into position a spare, repair part, or module (component or assembly) in a manner to allow the proper functioning of an equipment or system.

h. *Replace.* To remove an unserviceable item and install a serviceable counterpart in its place. "Replace" is authorized by the MAC and is shown as the 3rd position code of the SMR code.

<sup>1</sup> Exception is authorized for ammunition MAC to permit the redesignation/redefinition of maintenance function headings to more adequately identify ammunition maintenance functions. The heading designations and definitions will be included in the appropriate technical manual for each category of ammunition.

## B-2. MAINTENANCE FUNCTIONS (cont).

i. *Repair.* The application of maintenance services<sup>2</sup>, including fault location/troubleshooting<sup>3</sup>, removal/installation, and disassembly/assembly<sup>4</sup> procedures, and maintenance actions<sup>5</sup> to identify troubles and restore serviceability to an item by correcting specific damage, fault, malfunctions, or failure in a part, subassembly, module (component or assembly), end item, or system.

j. *Overhaul.* That maintenance effort (service/ action) prescribed to restore an item to a completely serviceable/operational condition as required by maintenance standards in appropriate technical publications (i.e. DMWR). Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to like new condition.

k. *Rebuild.* Consists of those services/actions necessary for the restoration of unserviceable equipment to a like new condition in accordance with original manufacturing standards. Rebuild is the highest degree of materiel maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (hours/miles, etc.) considered in classifying Army equipment/components.

## B-3 EXPLANATION OF COLUMNS IN THE MAC, SECTION II.

a. *Column 1, Group Number.* Column 1 lists functional group code numbers, the purpose of which is to identify maintenance significant components, assemblies, subassemblies, and modules with the next higher assembly. End item group number shall be "00".

b. *Column 2, Component/Assembly.* Column 2 contains the names of components, assemblies, subassemblies, and modules for which maintenance is authorized.

c. *Column 3, Maintenance Function.* Column 3 lists the functions to be performed on the items listed in column 2. (For detailed explanation of these functions, see paragraph B-2).

d. *Column 4, Maintenance Level.* Column 4 specifies, by the listing of a work time figure in the appropriate subcolumn(s), the level of maintenance authorized to perform the function listed in Column 3.

This figure represents the active time required to perform that maintenance function at the indicated level of maintenance. If the number or complexity of the tasks within the listed maintenance function vary at different maintenance levels, appropriate work time figures will be shown for each level. The work time figure represents the average time required to restore an item (assembly, subassembly, component, module, end item, or subsystem) to a serviceable condition under typical field operating conditions. This time includes preparation time (including any necessary disassembly/assembly time), troubleshooting/fault location time, and quality assurance/quality control time in addition to the time required to perform the specific tasks identified for the maintenance functions authorized in the maintenance allocation chart. The symbol designations for the various maintenance levels are as follows:

- C - Operator or Crew
- O - Unit Maintenance
- F - Direct Support Maintenance
- H - General Support Maintenance
- L - Specialized Repair Activity (SRA)<sup>6</sup>
- D - Depot Maintenance

<sup>2</sup> Services inspect, test, service, adjust, align, calibrate, and/or replace.

<sup>3</sup> Fault locate/troubleshooting the process of investigating and detecting the cause of equipment malfunctioning; the act of isolating a fault within a system or unit under test (UUT).

<sup>4</sup> Disassembly/assembly encompasses the step-by-step taking apart (or breakdown) of a spare/functional group coded item to the level of its least component identified as maintenance significant (i.e., assigned an SMR code) for the category of maintenance under consideration.

<sup>5</sup> Maintenance actions welding, grinding, riveting, straightening, facing, remachining, and/or resurfacing.

*e. Column 5, Tools and Equipment.* Column 5 specifies, by code, those common tool sets (not individual tools) and special tools, TMDE, and support equipment required to perform the designated function.

*f. Column 6, Remarks.* This column shall, when applicable, contain a letter code, in alphabetic order, which shall be keyed to the remarks contained in Section IV.

**B-4. EXPLANATION OF COLUMNS IN TOOL AND TEST EQUIPMENT REQUIREMENTS, SECTION III**

*a. Column 1, Reference Code.* The tool and test equipment reference code correlates with a code used in the MAC, Section II Column 5.

*b. Column 2, Maintenance Level.* The lowest level of maintenance authorized to use the tool or test equipment.

*c. Column 3, Nomenclature.* Name or identification of the tool or test equipment.

*d. Column 4, National Stock Number.* The national stock number of the tool or test equipment.

*e. Column 5, Tool Number.* The manufacturer's part number.

**B-5. EXPLANATION OF COLUMNS IN REMARKS, SECTION IV.**

*a. Column 1, Reference Code.* The code recorded in Section II, Column 6.

*b. Column 2, Remarks.* This column lists information pertinent to the maintenance function being performed as indicated in the MAC, Section II.

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<sup>6</sup> This maintenance level is not included in Section II, Column (4) of the Maintenance Allocation Chart. To identify functions to this level of maintenance, enter a work time figure in the "h" column of Section II, Column (4), and use an associated reference code in the Remarks Column (6). Key the code to Section IV, Remarks, and explain the SRA complete repair application there. The explanatory remark(s) shall reference the specific Repair Parts and Special Tools List (RPSTL) TM which contains additional SRA criteria and authorized spare/repair parts.

**Section II. MAINTENANCE ALLOCATION CHART  
FOR  
M240, M240B, M240C, M240E1 MACHINE GUN**

**NOTE**

**This section applies to Army users only**

(1) GROUP NUMBER	(2) COMPONENT/ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL					(5) TOOLS AND EQUIPMENT	(6) REMARKS
			UNIT		DS	GS	DEPOT		
			C	O	F	H	D		
00	MACHINE GUN, 7.62MM, M240, MACHINE GUN, 7.62MM, M240B, MACHINE GUN, 7.62MM, M240C, MACHINE GUN, 7.62MM, M240E1	Inspect Test Service Repair Adjust Overhaul	0.2 0.2	0.2 0.3 0.1 0.1	0.2 0.3 0.4		16.0	1,2,3  9	
01	BARREL ASSEMBLY	Inspect Test Service Install Replace Repair Overhaul	0.1 0.2 0.1	0.1 0.3 0.1 0.1 0.1	0.1 0.1 0.3		0.5	10, 11	
0101	Front Sight Assembly	Inspect Service Replace Repair Overhaul	0.1 0.1	0.1 0.1 0.2 0.2	0.1		0.5	11	
0102	Handle Assy, Carrying	Inspect Service Replace Repair Overhaul	0.1 0.1	0.1 0.1 0.2 0.2			0.3		
02	BUFFER ASSEMBLY/ BUFFER AND SPADE GRIP ASSEMBLY/ BUTTSTOCK AND BUFFER ASSEMBLY	Inspect Service Replace Repair Overhaul	0.1 0.1	0.1 0.1 0.1 0.1	0.1 0.2 0.3		1.0	10, 11	
03	BOLT AND OPERATING ROD ASSEMBLY	Inspect Service Replace Repair Overhaul	0.1 0.1	0.1 0.1 0.2 0.2	0.1 0.2		2.0	10	

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(1) GROUP NUMBER	(2) COMPONENT/ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL					(5) TOOLS AND EQUIPMENT	(6) REMARKS
			UNIT		DS	GS	DEPOT		
			C	O	F	H	D		
0301	Bolt Assembly	Inspect Test Service Replace Repair Overhaul	0.1 0.2	0.1 0.2 0.3	0.1 0.1 0.3		1.0	7 6, 10	
030101	Breech Body Assembly Bolt	Service Replace Repair Overhaul	0.1	0.1	0.1 0.2		0.1	11	
04	TRIGGER HOUSING ASSEMBLY	Inspect Service Replace Repair Overhaul	0.1 0.1	0.1 0.1 0.2	0.1 0.2 0.3		1.0	10, 11	
0401	Trigger Actuating Assembly	Service Replace Repair Overhaul	0.1	0.1 0.2 0.2			0.5	10	
05	COVER ASSEMBLY	Inspect Service Replace Repair Overhaul	0.1 0.1	0.1 0.1 0.1	0.1 0.3		1.2	11	
0501	Feed Pawl Assembly	Service Replace Repair Overhaul	0.1	0.1	0.2 0.1		0.5	11	
06	RECEIVER ASSEMBLY	Inspect Service Repair Overhaul	0.1 0.2	0.1 0.2 0.2	0.1 0.3		1.5	8,10,11	A
0601	Receiver Body	Service Repair Overhaul	0.1	.01	0.1		1.0	11	A
0602	Rear Sight Assembly	Inspect Service Replace Repair Overhaul	0.1 0.1	0.1 0.1 0.1 0.1			0.1	10	

(1)	(2)	(3)	(4)					(5)	(6)
GROUP NUMBER	COMPONENT/ASSEMBLY	MAINTENANCE FUNCTION	MAINTENANCE LEVEL					TOOLS AND EQUIPMENT	REMARKS
			UNIT		DS	GS	DEPOT		
			C	O	F	H	D		
060201	Slide Assembly	Service Replace Repair Overhaul	0.1	0.1 0.1 0.1			0.1	10	
0603	Machine Gun Bipod	Inspect Service Replace Repair	0.1 0.1	0.1 0.1 0.1	0.1  0.5			2, 3	A

**Section III. TOOL AND TEST EQUIPMENT REQUIREMENTS FOR MACHINE GUN**

(1) TOOL OR TEST EQUIPMENT REF CODE	(2) MAINTENANCE CATEGORY	(3) NOMENCLATURE	(4) NATIONAL/NATO STOCK NUMBER	(5) TOOL NUMBER
1	F	Gage, Headspace Warning	4933-01-043-8211	11826299(CB39)
2	F	Gage, Headspace Reject	4933-01-043-8212	11826274(CB40)
3	F	Gage, Firing Pin Protrusion	4933-01-043-9450	11826304(CB189)
4	F	Gage, Breech Bore Erosion	5210-01-082-1714	11826298
5	F	Gage, Muzzle and Breechbore Wear	5220-01-082-5564	11826276
6	C	*Tool, Combination Scraper and Extractor	4933-01-033-1503	11826059
7	O	Tool, Removing, Ejector	4933-01-038-7179	11826076
8	F	Tool Disassembly, Cover Detent Plunger	4933-01-038-7183	11826077
9	O	Tool, Combination Front Sight Adjusting	1005-01-253-6088	12597079
10	O	Tool Kit, Small Arms	5180-00-357-7770	SC 5180-95- CL-A07
	O/F	Repairman (Marine Corps only: Kit with addition of SL 3-00607A)		TAMCN E2900
11	F	Tool Kit, Intermediate Maintenance (Marine Corps only)	5180-01-147-2468	TAMCN E26562E
12	O	Tool Kit, Organizational Maintenance (Marine Corps only)	5180-01-147-2467	TAMCN E28292E
13	F	Shop Set, Small Arms: Field  Maintenance, Basic Less Power	4933-00-754-0664	SC 4933-95- CL-A11

**Section IV. REMARKS**

Reference Code	Remarks
A	The A in the 5th position of the SMR Code indicates special handling. The item meets security requirements and is serialized for accountability purposes.

\*Refer to appendix D for fabrication instructions of protective cover for this tool.

**B-7/(B-8 blank)**



APPENDIX C  
UNIT AND DIRECT SUPPORT MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LIST  
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS)

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Section I. INTRODUCTION

**SCOPE.** This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of unit and intermediate direct support maintenance of the machine gun. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools indicated by the Source, Maintenance and Recoverability (SMR) codes.

**GENERAL.** In addition to Section I, Introduction, this Repair Parts and Special Tools List is divided into the following sections:

a. *Section II.* Repair Parts List. A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. This list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed by item name in FIG. BULK at the end of the section.

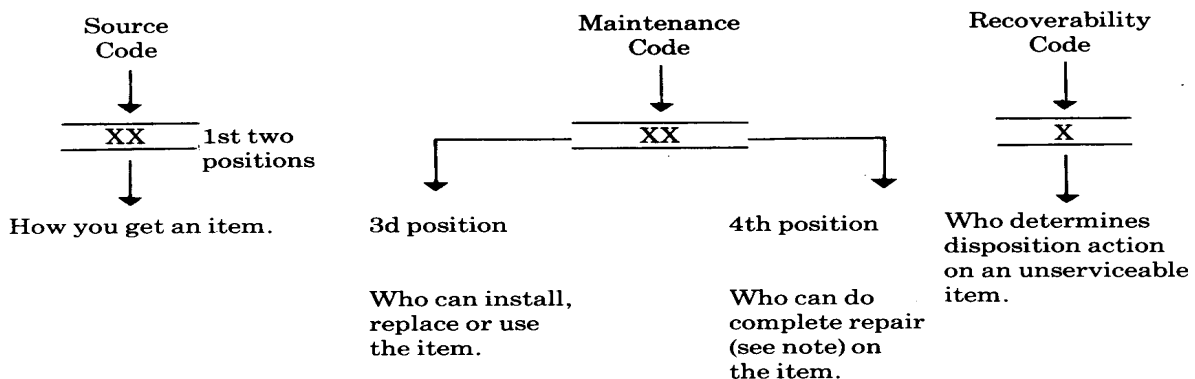
b. *Section III.* Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for performance of maintenance.

c. *Section IV.* Cross-Reference Indexes. A list, in National item identification number (NIIN) sequence, of all National stock numbered items appearing in the listings, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and parts numbers are cross-referenced to each illustration figure and item number appearance. This figure and item number index lists figure and item numbers in numeric sequence and cross-references NSN, CAGEC and part numbers.

EXPLANATION OF COLUMNS (SECTIONS II AND III).

a. *ITEM NO.* (Column (1)). Indicates the number used to identify items called out in the illustration.

b. *SMR CODE* (Column (2)). The Source, Maintenance, and Recoverability (SMR) code is a 5- position code containing supply/requisitioning information, maintenance level authorization criteria, and disposition instruction, as shown in the following breakout:



\*Complete Repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

(1) Source code. The source code tells you how to get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follow:

Code	Explanation
<div style="border: 1px solid black; padding: 5px;"> <b>PA</b>  <b>PB</b>  <b>PC**</b>  <b>PD</b>  <b>PE</b>  <b>PF</b>  <b>PG</b> </div>	<p>Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the level indicated by the code entered in the 3d position of the SMR code.</p> <p><b>**NOTE:</b> Items coded PC are subject to deterioration.</p>
<div style="border: 1px solid black; padding: 5px;"> <b>KD</b>  <b>KF</b>  <b>KB</b> </div>	<p>Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance level indicated in the 3d position of the SMR code. The complete kit must be requisitioned and applied.</p>
<div style="border: 1px solid black; padding: 5px;"> <b>MO</b>-(Made at unit Level  <b>MF</b>-(Made at intermediates DS Level)  <b>MH</b>-(Made at intermediates DS Level)  <b>ML</b>-(Made at specialized Repair Act(SRA)  <b>MD</b>-(Made at Depot)         </div>	<p>Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION AND USABLE ON CODE (UOC) column and listed in the bulk material group in the parts lists in this RPSTL. If the item is authorized to you by the 3d position code of the SMR code, but the source code indicates it is made at a higher level, order the item from the higher level of maintenance.</p>
<div style="border: 1px solid black; padding: 5px;"> <b>AO</b>-(Assembled by unit Level)  <b>AF</b>-(Assembled by Intermediates DS Level)  <b>AH</b>-(Assembled by Intermediate DS Level)  <b>AL</b>-(Assembled by  <b>AD</b>-(Assembled by Depot)         </div>	<p>Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. If the 3d position code of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher level, order the item from the higher level of maintenance.</p>

**XA** - Do not requisition an "XA" -coded item. Order its next higher assembly. (ALSO, refer to the NOTE below).

**XB** - If an "XB" item is not available from salvage, order it using the CAGEC and part number given.

**XC** - Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer's part number.

**XD** - Item is nit stocked. Order an "XD" -coded item through normal channels using the CAGEC and part number given, if no NSN is available.

**NOTE**

**Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA".**

(2) Maintenance Code. Maintenance codes tell you the level(s) of maintenance authorized to USE and Repair support items. The maintenance codes are entered in the third and forth positions of the SMR code as follows:

(a) The maintenance code entered in the third position tells you the lowest maintenance level authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to one of the following levels of maintenance:

<i>Code</i>	<i>Application/Explanation</i>
<b>C -</b>	Crew or operator maintenance done within unit maintenance
<b>O -</b>	Unit level can remove, replace, and use the item.
<b>F -</b>	Intermediate direct support level can remove, replace, and use the item.
<b>H -</b>	Intermediate general support level can remove, replace, and use the item.
<b>L -</b>	Specialized repair activity can remove, replace, and use the item.
<b>D -</b>	Depot level can remove, replace, and use the item.

(b) The maintenance code entered in the forth position tells you whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (i.e., perform all authorized repair functions).

**NOTE**

**Some limited repair may be done on the item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes.**

This position will contain one of the following maintenance codes:

<i>Code</i>	<i>Application/Explanation</i>
<b>O -</b>	Unit is the lowest level that can do complete repair of the item.
<b>F -</b>	Intermediate direct support is the lowest level that can do complete repair of the item.
<b>H -</b>	Intermediate general support is the lowest level that can do complete repair of the item.
<b>L -</b>	Specialized repair activity (designate the specialized repair activity) is the lowest level that can do complete repair of the item.
<b>D -</b>	Depot is the lowest level that can do complete repair of the item.
<b>Z -</b>	Nonreparable. No repair is authorized.
<b>B -</b>	No repair is authorized. No parts or special tools are authorized for the maintenance of a "B" coded item. However, the item may be reconditioned by adjusting, lubricating, etc., at the user level.

(3) Recoverability code. Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the SMR code as follows:

*Recoverability  
Codes*

*Application/Explanation*

<b>Z -</b>	Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in 3d position of SMR code.
<b>O -</b>	Reparable item. When uneconomically reparable, condemn and dispose of the item at unit level.
<b>F -</b>	Reparable item. When uneconomically reparable, condemn and dispose of the item at the intermediate direct support level.
<b>H -</b>	Reparable item. When uneconomically reparable, condemn and dispose of the item at the intermediate general support level.
<b>D -</b>	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of the item not authorized below depot level.
<b>L -</b>	Reparable item. Condemnation and disposal not authorized below specialized repair activity (SRA).
<b>A -</b>	Item requires special handling or condemnation procedures because of specific reasons (e.g., precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. *CAGEC (Column (3))*. The Contractor and Government Entity Code (CAGEC) is a five-digit numeric code which is used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

d. *PART NUMBER (Column (4))*. Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards and inspection requirements to identify an item or range of items.

**NOTE**

**When you use an NSN to requisition an item, the item you receive may have a different part number from the part ordered.**

e. *DESCRIPTION AND USABLE ON CODE (UOC) (Column 5)*. This column includes the following information:

- (1) The Federal item name and, when required, a minimum description to identify the item.
- (2) Spare/repair parts that make up an assembled item are listed immediately following the assembled item line entry.
- (3) The usable on code, when applicable (see paragraph 5, special information).
- (4) In the Special Tools List section, the basis of issue (BOI) appears as the last line(s) in the entry for each special tool, special TMDE, and other special support equipment. When density of equipments supported exceeds density spread indicated in the basis of issue, the total authorization is increased proportionately.

(5) The statement "END OF FIGURE" appears just below the last item description in column (5) for a given figure in both Section II and Section III.

f. QTY (Column (6)). The QTY (quantity per figure column) indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that the quantity is variable and the quantity may vary from application to application.

**EXPLANATION OF COLUMNS (SECTION IV).**

*a. NATIONAL STOCK NUMBER (NSN) INDEX.*

(1) Stock Number column. This column lists the NSN by National item identification number (NIIN)

sequence. The NIIN consists of the last nine digits of the NSN (i.e., 5385-01-574-1476).  
NSN  
NIIN

When using this column to locate an item, ignore the first 4 digits of the NSN. However, the complete NSN should be used when ordering items by stock number.

(2) FIG. column. This column lists the number of the figure where the item is identified/located.

The figures are in numerical order in Section II and Section III.

(3) ITEM column. This item number identifies the item associated with the figure listed in the adjacent Fig. column. This item is also identified by the NSN listed on the same line.

*b. PART NUMBER INDEX.* Part numbers listed in this index are listed by part number in ascending alphanumeric sequence (i.e., vertical arrangement of letter and number combination which places the first letter or digit of each group in order A through Z, followed by the numbers 0 through 9 and each following letter or digit in like order).

(1) CAGEC column. The Contractor and Government Entity Code CAGEC is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

(2) PART NUMBER column. Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design or characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

(3) STOCK NUMBER column. This column lists the NSN for the associated part number and manufacturer identified in the PART NUMBER and CAGEC columns to the left.

(4) FIG. column. This column lists the number of the figure where the item is identified/located in Sections II and III.

(5) ITEM column. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

*c. FIGURE AND ITEM NUMBER INDEX.*

(1) FIG. column. This column lists the number of the figure where the item is identified/located in Sections II and III.

(2) ITEM column. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

(3) STOCK NUMBER column. This column list the NSN for the item.

(4) CAGEC column. The Contractor and Government Entity Code CAGEC is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

(5) PART NUMBER column. Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design or characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

### SPECIAL INFORMATION.

a. Usable on Code. The usable on code appears in the lower left corner of the DESCRIPTION column heading. Usable on codes are shown as "UOC ..... "in DESCRIPTION column (justified left) on the first line applicable item description/nomenclature. Uncoded items are applicable to all models. Identification of the usable on codes used in the RPSTL are:

<i>Code</i>	<i>Used on</i>
G69	M240
BB2	M240B
L04	M240C
AG8	M240E1
BC6	M240G

b. *Assembly Instructions.* Detailed assembly instructions for items source coded to be assembled from component spare/repair parts are found in chapter 2 and/or 3 of this manual. Items that make up the assembly are listed immediately following the assembly item entry or reference is made to an applicable figure.

c. *Associated Publications.* The publication(s) listed below pertain to the machine gun and its components:

<i>Publication</i>	<i>Short Title</i>
TM 9-1005-313-10/ TM 08670A/09712A-10/1B	Operator's Manual for Machine Gun, 7.62mm, M240, M240B, M240C, M240E1, and M240G

### HOW TO LOCATE REPAIR PARTS.

a. *When the National Stock Number or Part Number is Not Known:*

(1) First. Using the table of contents, determine the assembly group or subassembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and listings are divided into the same group.

(2) Second. Find the figure covering the assembly group or subassembly group to which the item belongs.

(3) Third. Identify the item on the figure and note the item number.

(4) Forth. Refer to the Repair Parts List for the figure to find the part number for the item number noted on the figure.

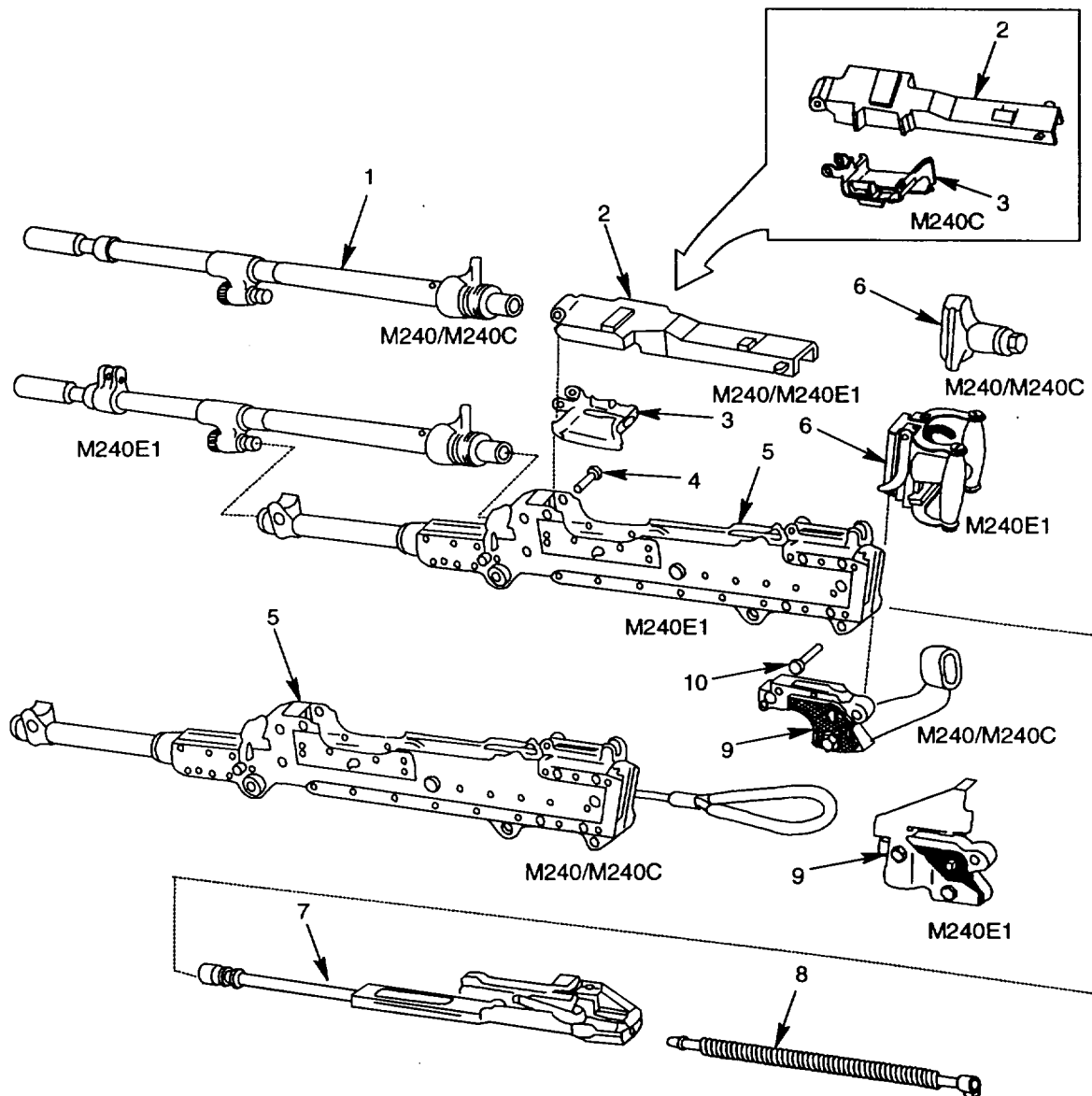
(5) Fifth. Refer to the Part Number Index to find the NSN, if assigned.

b. *When the National Stock Number or Part Number is known:*

(1) First. Using the index of National stock numbers and part numbers, find the pertinent National stock number or part number. The NSN is in National Item Identification Number (NIIN) sequence (see 4a(1)). The part numbers in the PART NUMBER INDEX are listed in ascending alphanumeric sequence (see 4b). Both indexes cross-reference you to the illustration figure and item number of the item you are looking for.

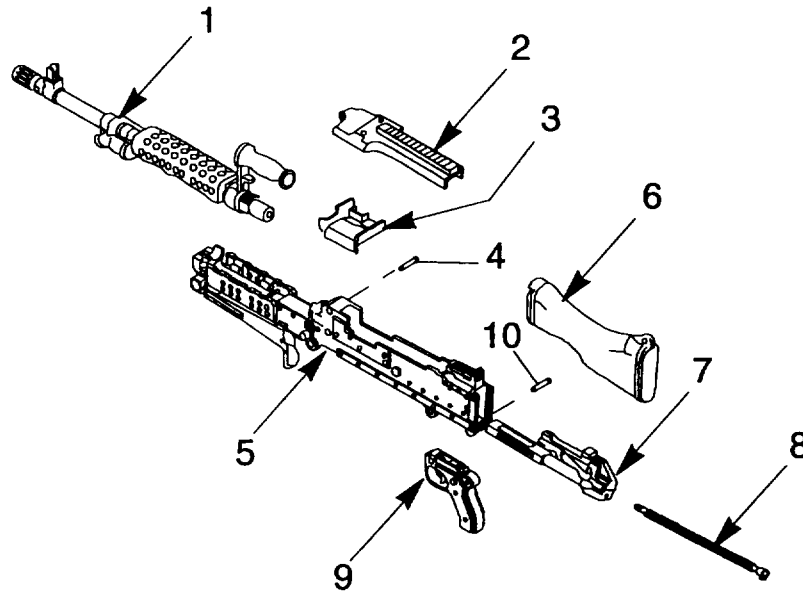
(2) Second. After finding the figure and item number, verify that the item is the one you're looking for, then locate the item number in the repair parts list for the figure.

## Section II. REPAIR PARTS LIST

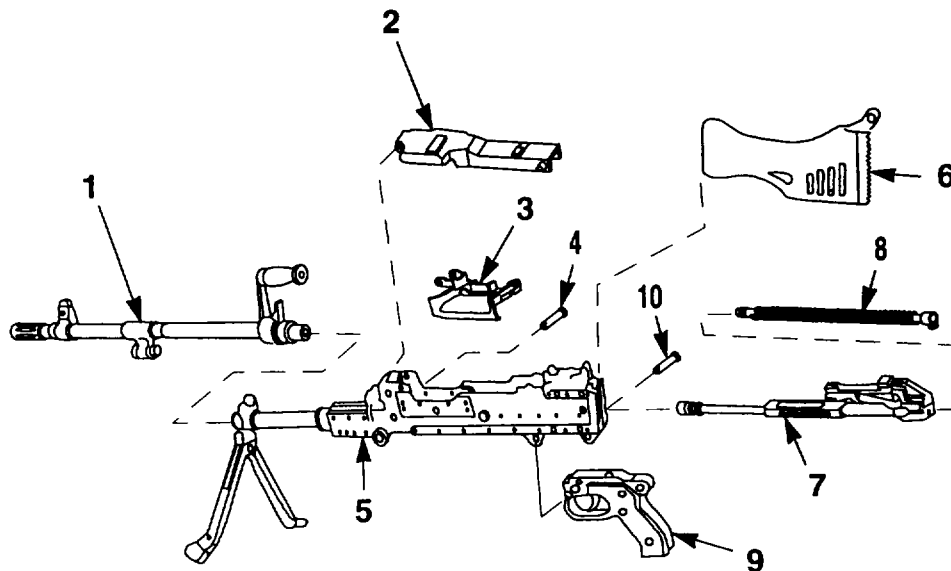


M240/M240C/M240E1

Figure C-1. Machine Gun, 7.62MM, M240, PN 11825980;  
M240B, PN 12976814; M240C, PN 11826004;  
M240E1, PN 12597034; M240G, PN FN88A10 (Sheet 1 of 2)



M240B



M240G

Figure C-1. Machine Gun, 7.62MM, M240, PN 11825980;  
M240B, PN 12976814; M240C, PN 11826004;  
M240E1, PN 12597034; M240G, PN FN88A10 (Sheet 1 of 2)



## SECTION II

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## GROUP 00

## Figure C-1

Machine Gun, 7.62MM, M240, M240B, M240C,  
M240E1, and M240G  
Machine Gun, 7.62MM, M240, PN 11825980;  
M240B, PN 12976814; M240C, PN 11826004;  
M240E1, PN 12597034; M240G, PN FN 88A10

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAOFF	19200	1005-01-251-9701	12597035	BARREL ASSEMBLY SEE FIG. C-2 FOR BRKDWN UOC: AG8.....	1
1	AFOFF	19200		12976817	BARREL ASSEMBLY SEE FIG. C-2 FOR BRKDWN UOC: BB2.....	1
1	PAOFF AFOFF*	19200	1005-01-408-5897	12976818	BARREL ASSEMBLY SEE FIG. C-2 FOR BRKDWN UOC: BC6.....	1
1	PAOFF	19200	1005-01-044-1026	11825985	BARREL ASSEMBLY SEE FIG. C-2 FOR BRKDWN UOC: G69, L04.....	1
2	PAOFF PAOOO*	19200	1005-01-441-4163	11826165	COVER ASSEMBLY SEE FIG. C-12 FOR BRKDWN UOC: AG8, BC6, G69.....	1
2	PAOFF	19200	1005-01-441-3115	12977101	COVER ASSEMBLY M240B SEE FIG. C-12 FOR BRKDWN UOC: BB2.....	1
2	PAOFF PAOOO*	19200	1005-01-362-8732	11826038	COVER ASSEMBLY M240C SEE FIG. C-12 FOR BRKDWN UOC: L04.....	1
3	PAOZZ	19200	1005-01-032-8143	11826006	TRAY, FEED UOC: AG8, BB2, BC6, G69.....	1
3	PAOZZ	19200	1005-01-091-0683	11826020	TRAY, FEED, RH M240C UOC: L04.....	1
4	PAOZZ	19200	5315-01-035-0827	11826277	PIN, SPRING.....	1
5	XAFDA	19200		12597044	RECEIVER ASSEMBLY SEE FIG. C-14 FOR BRKDWN UOC: AG8.....	1
5	XAFDA	19200		93013A2000	RECEIVER ASSEMBLY SEE FIG. C-14 FOR BRKDWN UOC: BC6.....	1
5	XAFDA	19200		12976834	RECEIVER ASSEMBLY SEE FIG. C-14 FOR BRKDWN UOC: BB2.....	1
5	XAFDA	19200		11826192	RECEIVER ASSEMBLY SEE FIG. C-14 FOR BRKDWN UOC: G69, L04.....	1
6	PAOFF	19200	1005-01-257-9253	11826211	BUFFER ASSEMBLY SEE FIG. C-5 FOR BRKDWN UOC: G69, L04.....	1
6	PAOFF	19200	1005-01-251-9692	12597057	GRIP ASSEMBLY, BUFFER AND SPADE SEE FIG. C-5 FOR BRKDWN UOC: AG8.....	1

## SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

## GROUP 00

## Figure C-1

Machine Gun, 7.62MM, M240, M240B, M240C, M240E1, and M240G  
Machine Gun, 7.62MM, M240, PN 11825980; M240B, PN 12976814; M240C, PN 11826004; M240E1, PN 12597034; M240G, PN FN 88A10 (cont)

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
6	PAOFF	19200	1005-01-408-5901	12976851	BUTTSTOCK AND BUFFER ASSY SEE FIG. C-6 FOR BRKDOWN UOC: BB2, BC6 .....	1
7	AFOFF	19200		11826070	BOLT AND OPERATING ROD ASSEMBLY SEE FIG. C-7 FOR BRKDOWN UOC: AG8, G69, L04 .....	1
7	AFOFF	19200		12976866	BOLT AND OPERATING ROD ASSEMBLY SEE FIG. C-7 FOR BRKDOWN UOC: BB2, BC6 .....	1
8	PAOZZ	19200	1005-01-035-0829	11826024	ROD ASSEMBLY, DRIVING SPRING .....	1
9	PAOFF PAOOO*	19200	1005-01-440-8010	11826230	TRIGGER HOUSING ASSEMBLY SEE FIG. C-10 FOR BRKDOWN UOC: G69, L04 .....	1
9	PAOOO	19200	1005-01-394-1928	12597070	TRIGGER HOUSING ASSY SEE FIG. C-10 FOR BRKDOWN UOC: AG8 .....	1
9	PAOFF PAOOO*	19200	1005-01-408-6669	12976869	TRIGGER HOUSING ASSY SEE FIG. C-10 FOR BRKDOWN UOC: BB2, BC6 .....	1
10	PAOZZ	19200	5315-01-033-3888	11826160	PIN, SPRING .....	1

END OF FIGURE

\* MARINE CORPS ONLY

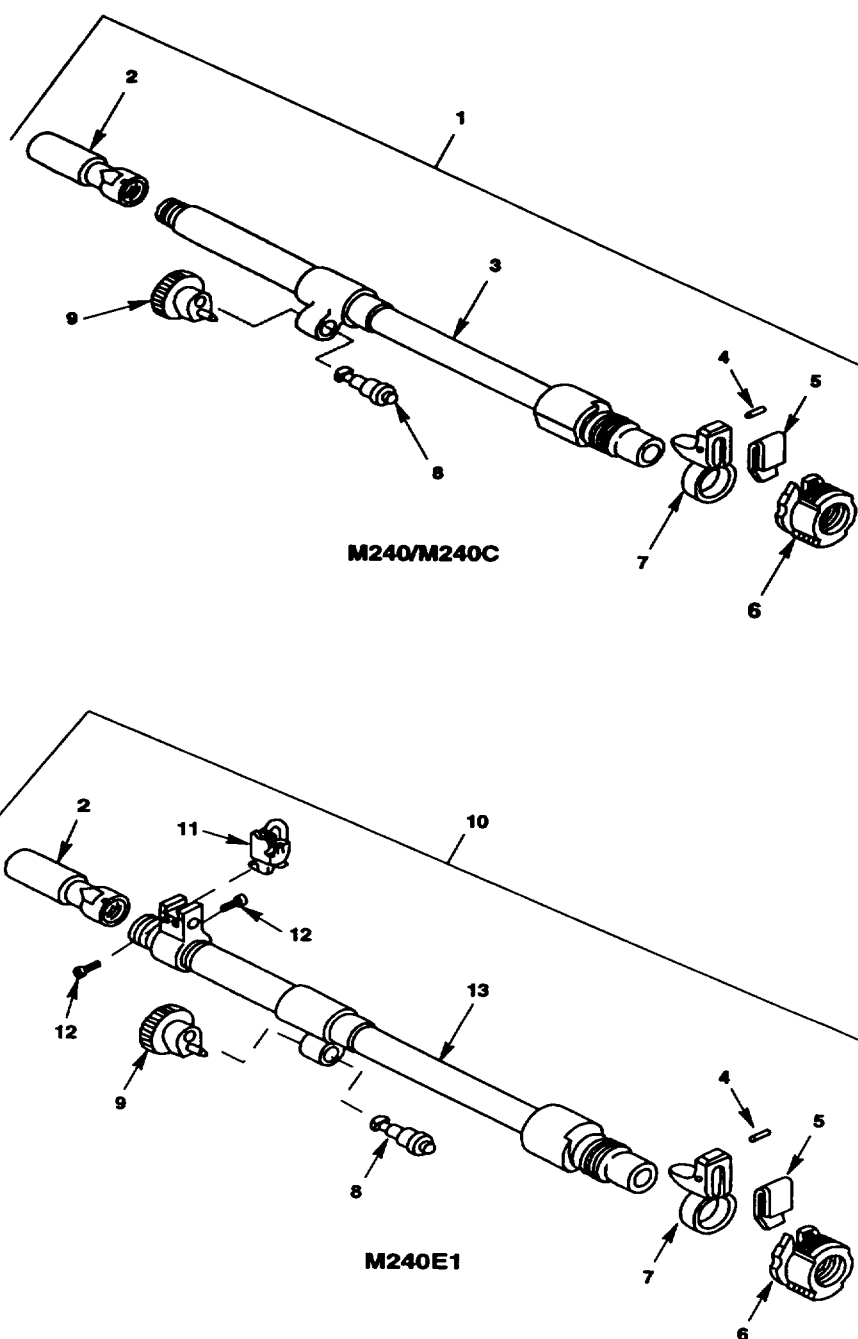


Figure C-2. Barrel Assembly, M240/M240C, PN 11825985;  
and M240E1, PN 12597035 (Sheet 1 of 2)

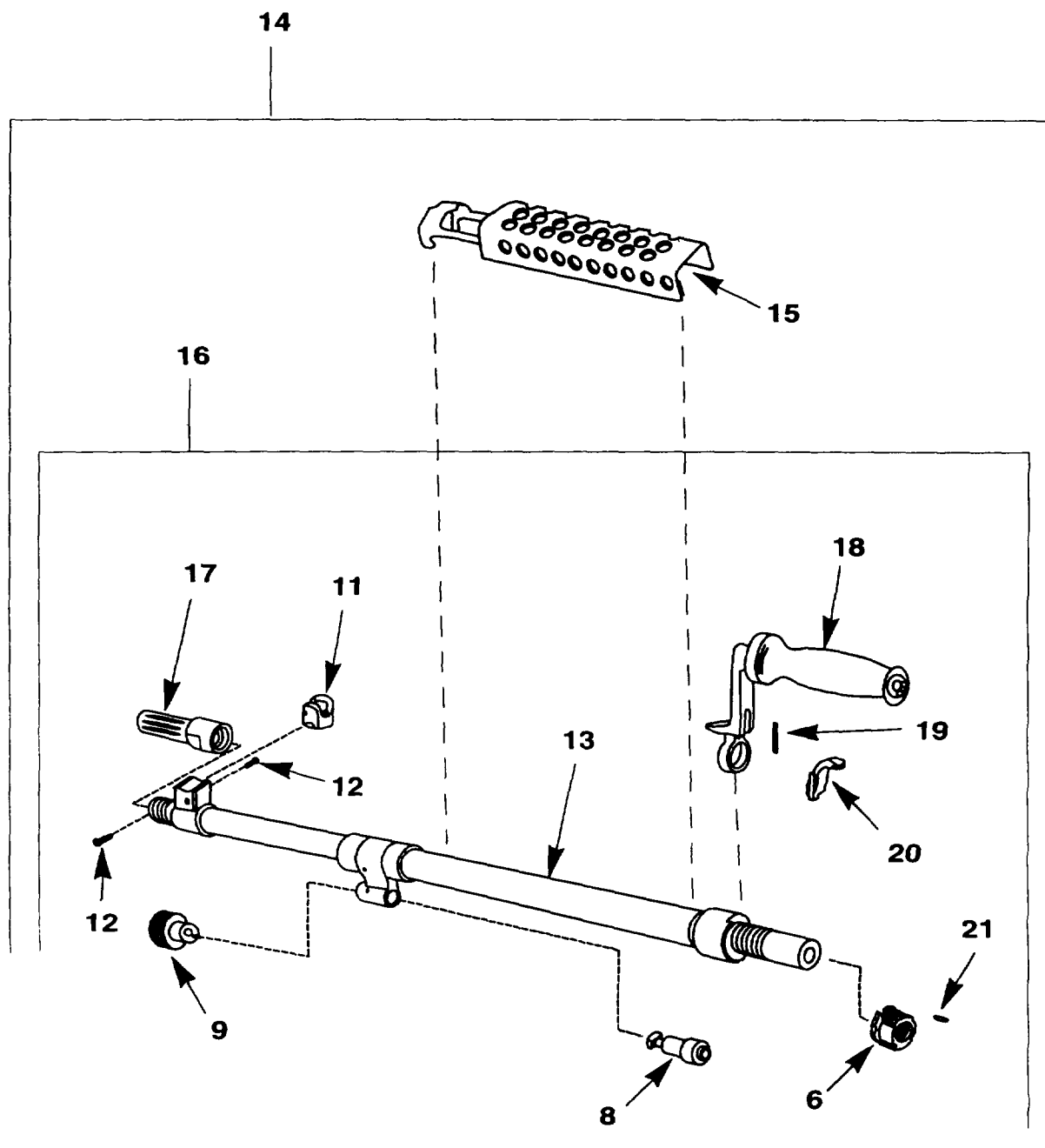
**M240B/M240G**

Figure C-2. Barrel Assembly, M240B, PN 12976817;  
and M240G, PN 12976818 (Sheet 2 of 2)

## SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

## GROUP 01

## Barrel Assembly

## Figure C-2

Barrel Assembly M240/M240C, PN 11825985  
M240B, PN 12976817; M240E1, PN 12597035;  
M240G, PN 12976818

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAOFF	19200	1005-01-251-9701	12597035	BARREL ASSEMBLY UOC: AG8.....	1
2	PAOZZ	19200	1005-01-032-8152	11826002	FLASH HIDER UOC: AG8, G69, L04 .....	1
3	XAFZZ	19200		11825986	BARREL, MACHINE GUN UOC: G69, L04 .....	1
4	PAFZZ	96906	5315-00-710-2735	MS16562-122	PIN, SPRING UOC: AG8, G69, L04 .....	1
5	PAFZZ PAOZZ*	19200	1005-01-032-8146	11825999	LATCH, BARREL UOC: AG8, G69, L04 .....	1
6	PAFZZ PAOZZ*	19200	1005-01-033-3900	11826001	ADAPTER, BARREL, MACHINE .....	1
7	PAFZZ PAOZZ*	19200	1005-01-034-6503	11825997	RELEASE, BARREL UOC: AG8, G69, L04 .....	1
8	PAOZZ	19200	1005-01-033-3899	11826003	PLUG, GAS REGULATOR.....	1
9	PAOZZ	19200	1005-01-036-7160	11825992	COLLAR, GAS .....	1
10	PAOFF	19200	1005-01-044-1026	11825985	BARREL ASSEMBLY UOC: G69, L04 .....	1
11	AOOOO	19200		12597038	SIGHT ASSEMBLY, FRONT SEE FIG. C-3 FOR BRKDOWN UOC: AG8, BB2, BC6 .....	1
12	PAOZZ	19200	5305-01-251-9731	12597043	SCREW, SELF-LOCKING FRONT SIGHT UOC: AG8, BB2, BC6 .....	2
13	XAFZZ	19200		12597036	BARREL, MACHINE GUN UOC: AG8, BB2, BC6 .....	1
14	AFOFF	19200		12976817	BARREL ASSEMBLY UOC: BB2 .....	1
15	PAOZZ	19200	1005-01-431-0664	12976831	HEAT SHIELD UOC: BB2 .....	1
16	PAOFF	19200	1005-01-408-5897	12976818	BARREL ASSEMBLY UOC: BB2, BC6 .....	1
17	PAOZZ	19200	1030-01-408-3578	12976830	FLASH SUPPRESSOR UOC: BB2, BC6 .....	1
18	PAFFF PAOOO*	19200	1005-01-408-3585	12976819	CARRYING HANDLE ASSY, BARREL SEE FIG C-4 FOR BRKDOWN UOC: BB2, BC6 .....	1
19	PAFZZ PAOZZ*	19200	5360-01-410-9257	12976827	SPRING, CATCH, BARREL UOC: BB2, BC6 .....	1
20	PAFZZ PAOZZ*	19200	1005-01-408-5419	12976828	CATCH BRACKET, BARREL UOC: BB2, BC6 .....	1
21	PAFZZ PAOZZ*	19200	5315-01-409-0142	12976829	PIN, STRAIGHT UOC: BB2, BC6 .....	1

END OF FIGURE

\* MARINE CORPS ONLY

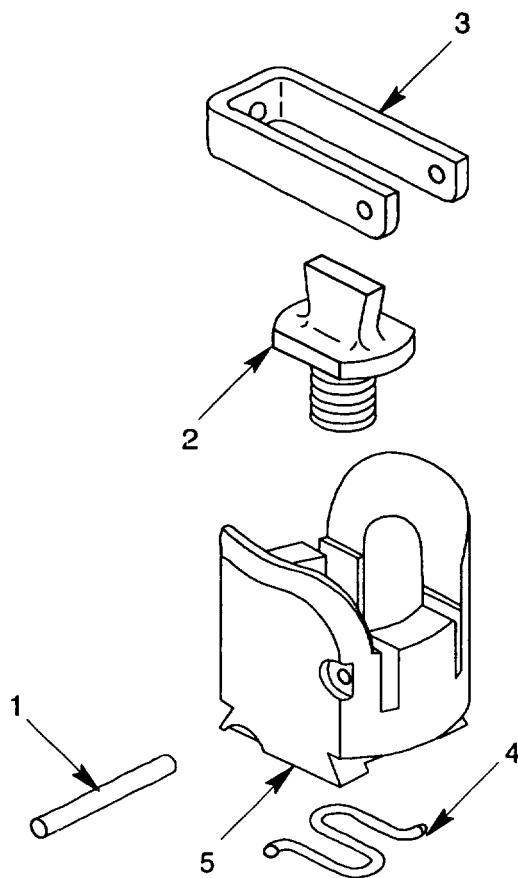


Figure C-3. Front Sight Assembly, PN 12597038

C-3-1

## SECTION II

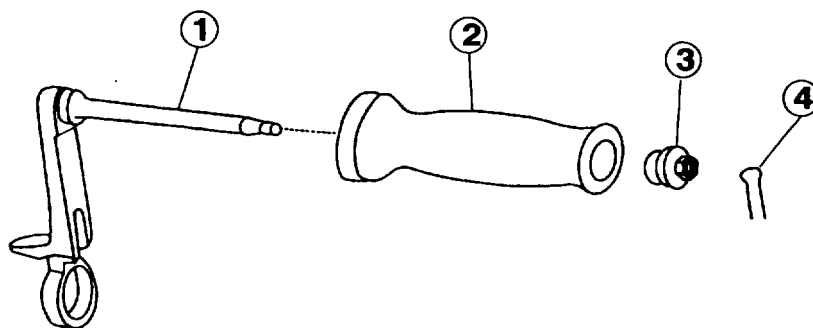
ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

GROUP 0101 Front Sight Assembly  
Figure C-3 Front Sight Assembly, PN 12597038

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAOZZ	96906	5315-01-030-9214	MS51923-97	PIN, SPRING UOC: AG8, BB2, BC6 .....	1
2	PAOZZ	19200	1005-01-255-4233	12597040-1	BLADE, FRONT SIGHT (NO. 1 - 9.8 mm) UOC: AG8, BB2, BC6 .....	1
2	PAOZZ	19200	1005-01-255-4232	12597040-2	BLADE, FRONT SIGHT (NO. 2 - 11.8 mm) UOC: AG8, BB2, BC6 .....	1
3	PAOZZ	19200	5340-01-251-9729	12597041	STRAP, RETAINING FRONT SIGHT UOC: AG8, BB2, BC6 .....	1
4	PAOZZ	19200	5360-01-251-9688	12597042	SPRING, ADJUSTING, FRONT SIGHT UOC: AG8, BB2, BC6 .....	1
5	PAOZZ	19200	1005-01-251-9687	12597039	PROTECTOR, FRONT SIGHT UOC: AG8, BB2, BC6 .....	1

END OF FIGURE

C-3-2



*Figure C-4. Handle Assembly, Carrying, PN 12976819*

**C-4-1**



## SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

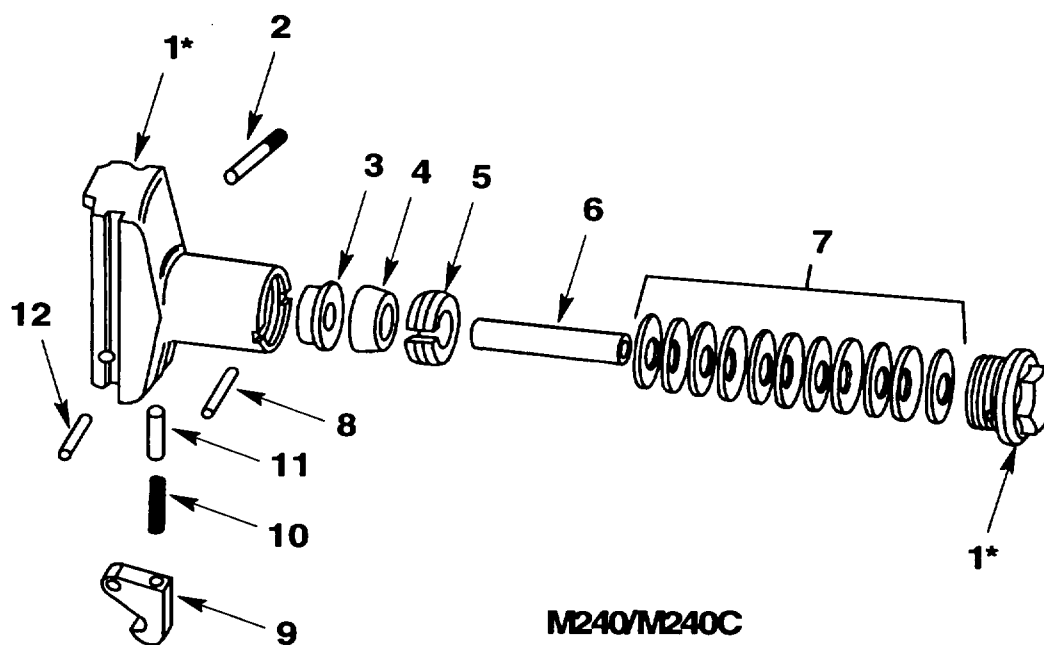
## GROUP 0102 Handle Assembly, Carrying

Figure C-4 Handle Assembly, Carrying, PN 12976819

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	XAFZZ XAOZZ*	19200		12976823	BRACKET ASSY, CARRYING HANDLE UOC: BB2, BC6 .....	1
2	PAFZZ PAOZZ*	19200	1035-01-408-3590	12976820	HANDLE CARRYING UOC: BB2, BC6 .....	1
3	PAFZZ PAOZZ*	19200	5310-01-408-3593	12976821	NUT, RETAINING, CARRYING HANDLE UOC: BB2, BC6 .....	1
4	MOOZZ	96906		MS9226-04	WIRE, STEEL, CRES., SAFETY (Make from BULK item 2) UOC: BB2, BC6 .....	V

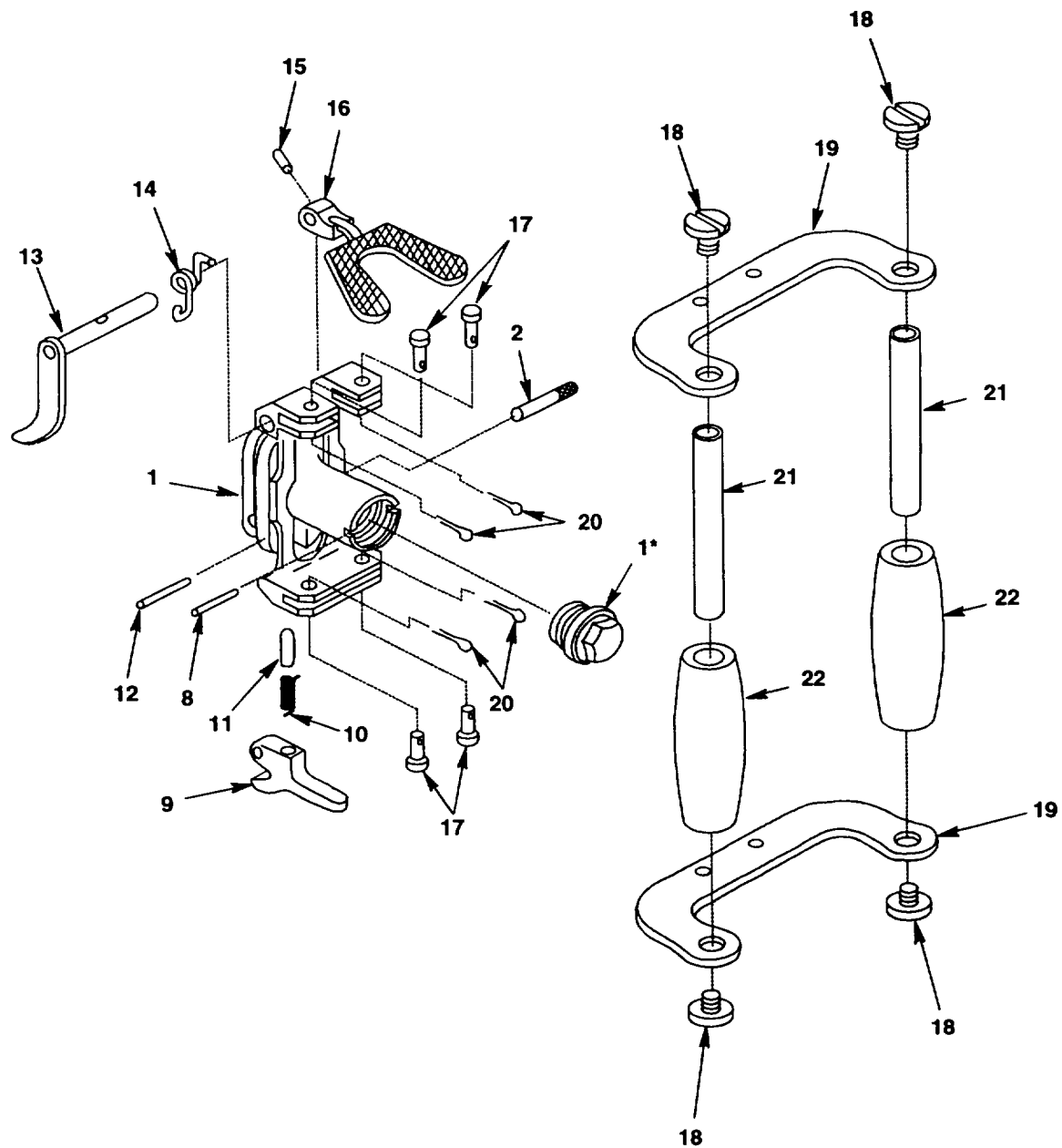
END OF FIGURE

\* MARINE CORPS ONLY



\* ISSUED AS A SET

Figure C-5. Buffer Assembly, M240/M240C, 11826211 and  
Buffer and Spade Grip Assembly, M240E1, 12597057  
(Sheet 1 of 2)



**M240E1**

**ISSUED AS A SET**

NOTE: Items 3 through 7 are not shown on this illustration.

Figure C-5. Buffer Assembly, M240/M240C, 11826211 and  
Buffer and Spade Grip Assembly, M240E1, 12597057  
(Sheet 2 of 2)

## SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

## GROUP 02

Buffer Assembly, M240/M240C, Buffer and  
Spade Grip Assembly, M240E1

## Figure C-5

Buffer Assembly, M240/M240C,P/N 11826211;  
Buffer and Spade Grip Assembly, M240E1  
PN 12597057

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	XAFZZ	19200		12597058	BUFFER, HOUSING AND PLUG ASSY (ISSUED AS A SET) UOC: AG8.....	1
1	XAOZZ	19200		11826152	BUFFER AND PLUG ASSEMBLY (ISSUED AS A SET) UOC: G69, L04 .....	1
2	PAFZZ	19200	5315-01-033-3886	11826216	PIN, STRAIGHT, HEADED .....	1
3	PAFZZ	19200	1005-01-033-1505	11826218	PLUG, BUFFER 0.....	1
4	PAFZZ	19200	1005-01-032-8149	11826219	CONE, BUFFER, BRAKING .....	1
5	PAFZZ	19200	1005-01-032-8150	11826220	RING, EXPANSION .....	1
6	PAFZZ	19200	5365-01-033-3931	11826222	SPACER, SLEEVE .....	1
7	PAFZZ	19200	5310-01-033-3851	11826221	WASHER, SPRING (ISSUED AS A SET) .....	1
8	PAFZZ	96906	5315-00-832-4132	MS39086-147	PIN, SPRING .....	1
9	PAFZZ	19200	5340-01-251-9695	12597062	LATCH, BACK PLATE UOC: AG8.....	1
9	PAFZZ	19200	5340-01-032-8147	11826213	LATCH, BACK PLATE UOC: G69, L04 .....	1
10	PAFZZ	19200	5360-01-033-3926	11826214	SPRING, HELICAL .....	1
11	PAFZZ	19200	5340-01-033-3909	11826215	PLUNGER, DETENT.....	1
12	PAFZZ	96906	5315-00-806-0213	MS171475	PIN, SPRING .....	1
13	PAOZZ	19200	1005-01-251-9693	12597066	ARM ASSEMBLY, UPPER UOC: AG8.....	1
14	PAOZZ	19200	5360-01-251-9725	12597069	SPRING, HELICAL, TORSION ARM UOC: AG8.....	1
15	PAOZZ	96906	5315-00-812-1006	MS39086-80	PIN, SPRING UOC: AG8.....	1
16	PAOZZ	19200	1005-01-251-9694	12597063	TRIGGER ASSEMBLY UOC: AG8.....	1
17	PAFZZ	19204	5315-00-515-2854	5152854	PIN, STRAIGHT, HEADED UOC: AG8.....	4
18	PAFZZ	19204	5305-00-500-9394	5009394	SCREW, MACHINE UOC: AG8.....	4
19	PAFZZ	19204	5340-00-600-8937	6008937	FRAME UOC: AG8.....	2
20	PAFZZ	19204	5315-00-731-2517	7312517	PIN, LOCK UOC: AG8.....	4
21	PAFZZ	19200	1005-00-918-2617	5009369	TUBE, HANDLE GRIP UOC: AG8.....	2
22	PAFZZ	19204	1005-00-726-5561	7265561	GRIP, MACHINE GUN UOC: AG8.....	2

END OF FIGURE

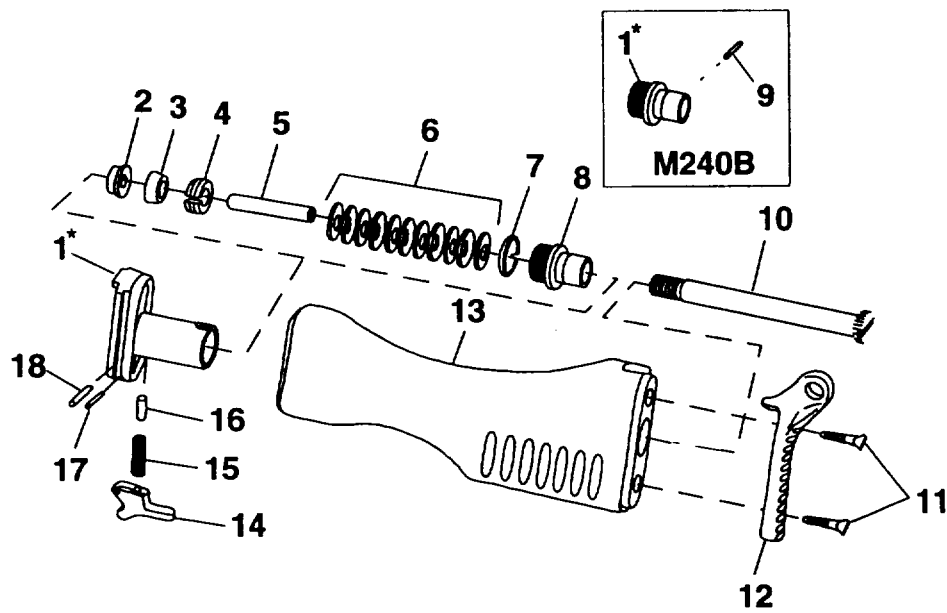


Figure C-6. Buttstock and Buffer Assembly, M240B  
and M240G, P/N 12976851

C-6-1

## SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

**GROUP 02**      **Buttstock and Buffer Assembly**  
**M240B, and M240G**

**Figure C-6**      **Buttstock and Buffer Assembly,**  
**M240B and M240G, PN 12976851**

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	XAFZZ	19200		12976858	BUFFER BLOCK & PLUG ASSEMBLY (ISSUED AS A SET) UOC: BB2 .....	1
1	PAFZZ	01365	1030-01-408-3597	93013A3202	BUFFER BLOCK UOC: BC6 .....	1
2	PAFZZ	19200	1005-01-033-1505	11826218	PLUG, BUFFER .....	1
3	PAFZZ	19200	1005-01-032-8149	11826219	CONE, BUFFER, BRAKING .....	1
4	PAFZZ	19200	1005-01-032-8150	11826220	RING, EXPANSION .....	1
5	PAFZZ	19200	5365-01-033-3931	11826222	SPACER, SLEEVE .....	1
6	PAFZZ	19200	5310-01-033-3851	11826221	WASHER, SPRING (ISSUED AS A SET) .....	1
7	PAFZZ	01365	5310-01-408-3628	93013A3204	WASHER, TAB, RETAINING UOC: BC6 .....	1
8	PAFZZ	01365	1030-01-408-4891	93013A3201	BUSHING, BUFFER BLOCK UOC: BC6 .....	1
9	PAFZZ	96906	5315-00-832-4132	MS39086-147	PIN, SPRING UOC: BB2 .....	1
10	PAOZZ	19200	5305-01-408-4892	12976862	BUTT SCREW .....	1
11	PAOZZ	19200	5305-01-408-4890	12976864	SCREW, BUTT PLATE .....	2
12	PAOZZ	19200	1005-01-408-5417	12976863	BUTTPLATE .....	1
13	PAOZZ	19200	1005-01-410-9126	12976937	BUTTSTOCK ASSY .....	1
14	PAFZZ	19200	1030-01-408-3594	12976861	CATCH BUFFER .....	1
	PAOZZ*					
15	PAFZZ	19200	5360-01-033-3926	11826214	SPRING, HELICAL CMPSN .....	1
	PAOZZ*					
16	PAFZZ	19200	5340-01-033-3909	11826215	DETENT, PLUNGER .....	1
	PAOZZ*					
17	PAFZZ	96906	5315-00-806-0213	MS171475	PIN, STRAIGHT .....	1
	PAOZZ*					
18	PAFZZ	19200	5315-01-033-3886	11826216	PIN, STRAIGHT, HEADED .....	1
	PAOZZ*					

**END OF FIGURE**

\* MARINE CORPS ONLY

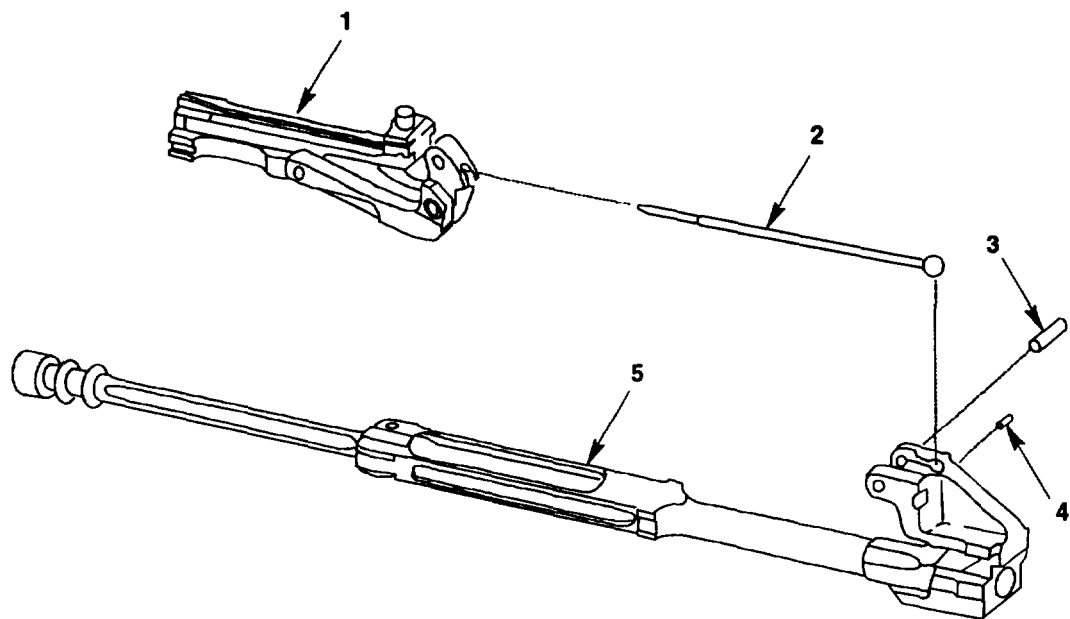


Figure C-7. Bolt and Operating Rod Assembly, M240/M240C/M240E1, PN 11826070; M240B/M240G, PN 12976866

**GROUP 03      Bolt and Operating Rod Assembly,**  
  
**Figure C-7      Bolt and Operating Rod Assembly**  
**M240/M240C/M240E1, PN 11826070**  
**M240B/M240G, PN 12976866**

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	AFFFF	19200		11826057	BOLT ASSEMBLY SEE FIG.C-8 FOR BRKDWN.....	1
2	PAOZZ	19200	1005-01-033-1523	11826065	PIN, FIRING .....	1
3	PAOZZ	19200	5315-01-037-5586	11826054	PIN, SPRING .....	1
4	PAOZZ	19200	5315-01-033-8873	11826068-1	PIN, SPRING .....	1
5	PAFZZ	19200	1005-01-033-3901	11826072	ROD ASSEMBLY, OPERATING UOC: AG8, G69, L04 .....	1
5	PAFZZ	19200	1005-01-413-6992	12976867	ROD ASSEMBLY, OPERATING UOC: BB2, BC6 .....	1
	PAOZZ*					
	PAOZZ*					

END OF FIGURE

\* MARINE CORPS ONLY

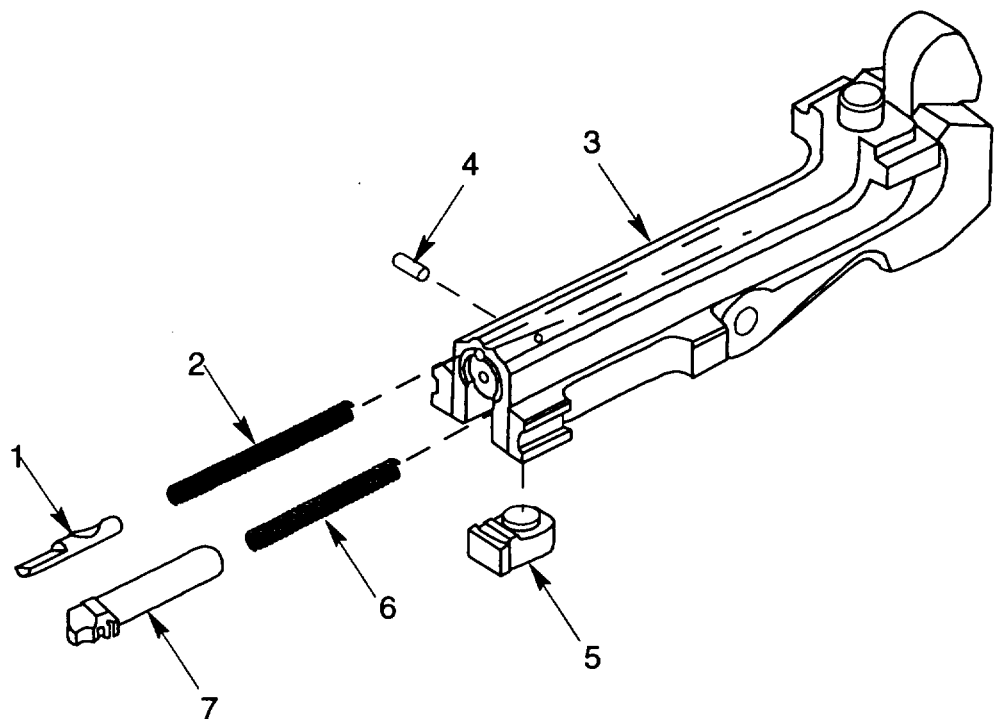


Figure C-8. Bolt Assembly, PN 11826057

GROUP 0301 Bolt Assembly

Figure C-8 Bolt Assembly, PN 11826057

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAOZZ	19200	1005-01-033-1525	11826067	EJECTOR, CARTRIDGE .....	1
2	PAOZZ	19200	5360-01-033-8885	11826069	SPRING, HELICAL .....	1
3	PAFFF	19200	1005-01-033-9410	11826040	BOLT, BREECH BODY ASSEMBLY SEE FIG. C-9 FOR BRKDOWN.....	1
4	PAOZZ	19200	5315-01-033-3887	11826068-3	PIN, SPRING .....	1
5	PAOZZ	19200	1005-01-033-4538	11826060	EXTRACTOR, CARTRIDGE .....	1
6	PAOZZ	19200	5360-13-110-9364	11826062	SPRING ASSEMBLY .....	1
7	PAOZZ	19200	1005-01-032-8142	11826061	PLUNGER, EXTRACTOR.....	1

END OF FIGURE



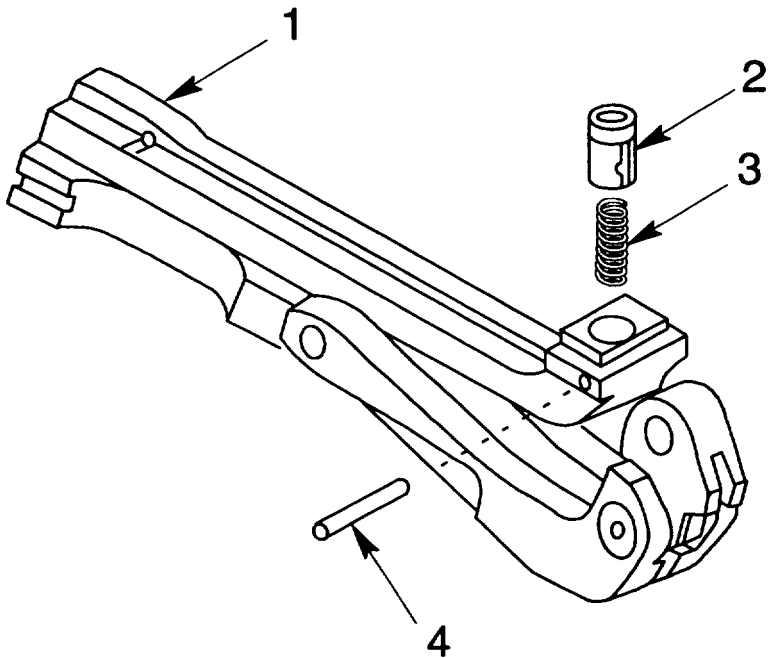


Figure C-9. Breech Body Assembly Bolt, PN 11826040

GROUP 030101 Breech Body Assembly Bolt

Figure C-9 Breech Body Assembly Bolt, PN 11826040

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	XAFZZ	19200		11826041	BOLT, BREECH BODY.....	1
2	PAFZZ	19200	3120-01-127-8980	11826042	ROLLER, LINEAR-ROTARY .....	1
	PAOZZ*					
3	PAFZZ	19200	5360-01-133-8874	11826046	SPRING, HELICAL, COMPRESSION.....	1
	PAOZZ*					
4	PAFZZ	19200	5315-01-158-7862	11826047	PIN, STRAIGHT, HEADED .....	1
	PAOZZ*					

END OF FIGURE

\* MARINE CORPS ONLY

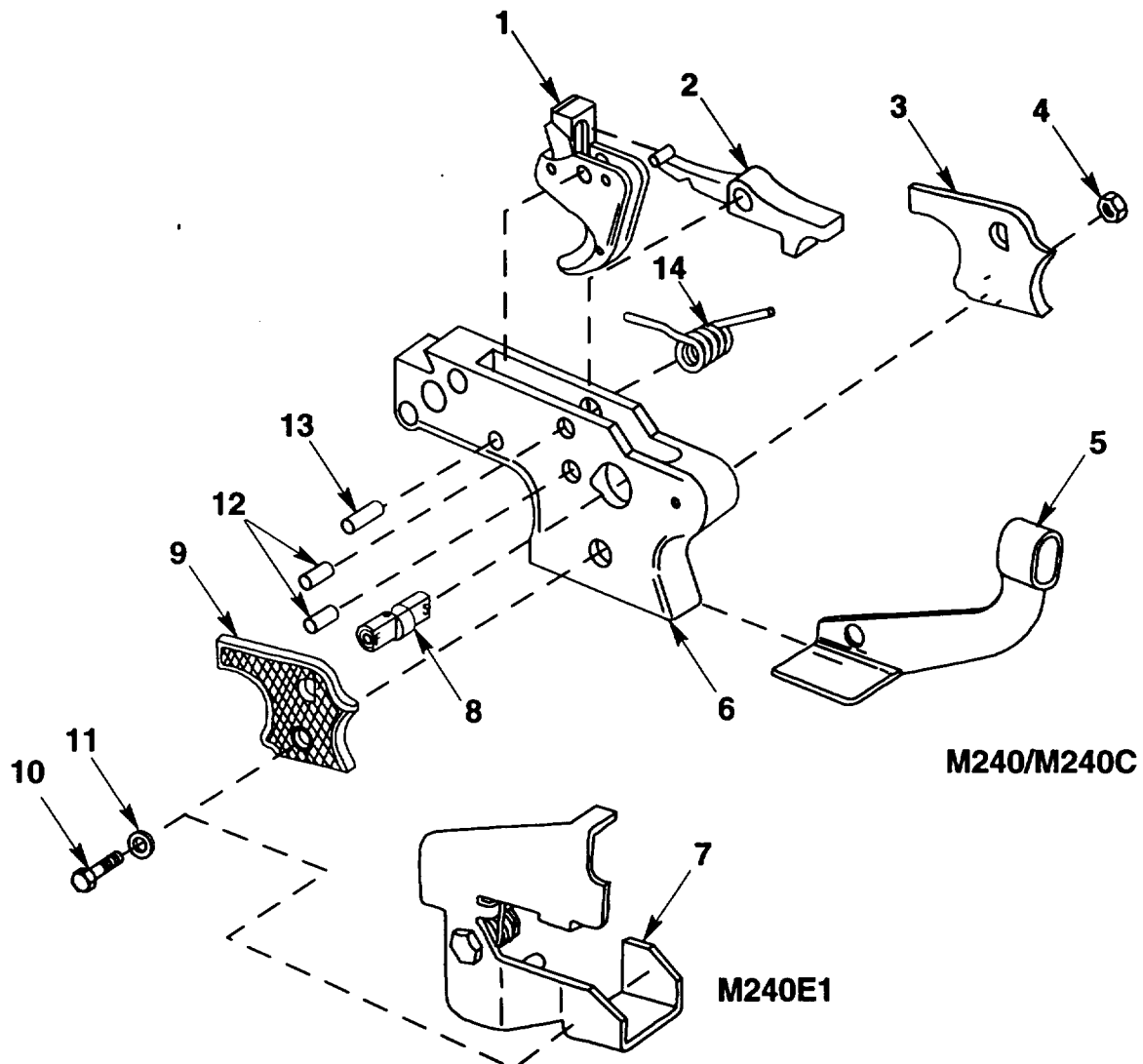


Figure C-10. Trigger Housing Assembly, M240/1M240C, PN 11826230; M240E1, PN 12597070; Trigger Assembly, Infantry, M240B/M240G, PN 12976869 (Sheet 1 of 2)

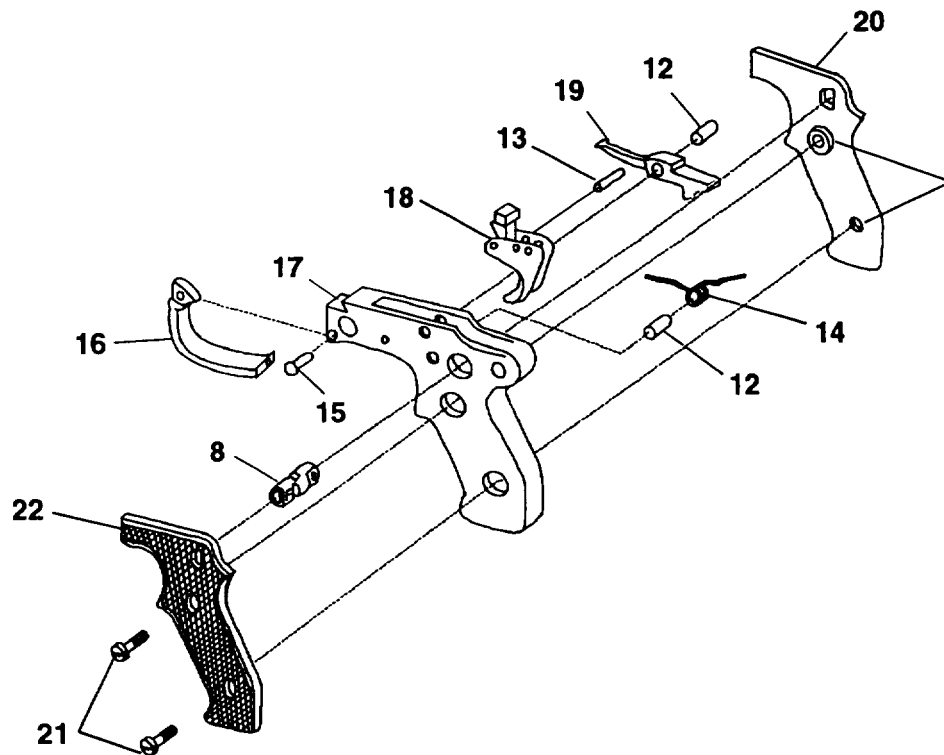
**M240B/M240G**

Figure C-10. Trigger Housing Assembly, M240/M240C, PN 11826230;  
M240E1, PN 12597070; Trigger Assembly, Infantry, M240B/M240G,  
PN 12976869 (Sheet 2 of 2)

## SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

## GROUP 04 Trigger Housing Assembly

**Figure C-10** Trigger Housing Assembly, M240/M240C, PN 11826230; M240E1, PN 12597070; and Trigger Assembly, Infantry, M240B/M240G, PN 12976869

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFZZ PAOZZ*	19200	1005-01-033-1526	11826240	TRIGGER UOC: AG8, G69, L04 .....	1
2	PAFZZ PAOZZ*	19200	1005-01-033-1524	11826253	SEAR UOC: AG8, G69, L04 .....	1
3	PAOZZ	19200	1005-01-034-4113	11826232-2	GRIP, MACHINE GUN UOC: AG8, G69, L04 .....	1
4	PAOZZ	96906	5310-00-956-4549	MS21083-C6	NUT, SELF-LOCKING UOC: AG8, G69, L04 .....	1
5	PAOZZ	19200	1005-01-033-1502	11826234	GUIDE, CHARGER CABLE UOC: G69, L04 .....	1
6	XAFZZ XAOZZ*	19200		11826231	HOUSING, TRIGGER UOC: AG8, G69, L04 .....	1
7	PAOOO	19200	1005-01-251-9696	12597071	ACTUATING ASSEMBLY, TRIGGER SEE FIG. C-11 FOR BRKDOWN UOC: AG8.....	1
8	PAFZZ PAOZZ*	19200	1005-01-033-8328	11826258	SAFETY, SMALL ARMS .....	1
9	PAOZZ	19200	1005-01-033-1528	11826232-1	GRIP, MACHINE GUN UOC: AG8, G69, L04 .....	1
10	PAOZZ	96906	5306-01-192-0677	MS9286-24	BOLT, MACHINE UOC: AG8, G69, L04 .....	1
11	PAOZZ	96906	5310-00-036-6770	MS15795- 814B	WASHER, FLAT UOC: G69, L04 .....	1
12	PAFZZ PAOZZ*	19200	5315-01-033-3890	11826255	PIN, STRAIGHT .....	2
13	PAFZZ PAOZZ*	19200	5315-01-034-1583	11826250	PIN, STRAIGHT .....	1
14	PAFZZ PAOZZ*	19200	5360-01-033-1535	11826254	SPRING, HELICAL .....	1
15	PAOZZ	19200	1005-01-410-8544	12976874	•PIN, HEADED, TRIGGER GUARD UOC: BB2, BC6 .....	1
16	PAOZZ	19200	1005-01-410-8498	12976875	•GUARD, TRIGGER UOC: BB2, BC6 .....	1
17	XAFZZ XAOZZ*	19200		12976876	•FRAME, TRIGGER UOC: BB2, BC6 .....	1
18	PAFZZ PAOZZ*	19200	1005-01-408-4361	12976870	TRIGGER ASSEMBLY UOC: BB2, BC6 .....	1
19	PAFZZ PAOZZ*	19200	1005-01-409-0144	12976882	SEAR UOC: BB2, BC6 .....	1
20	PAOZZ	19200	1005-01-408-4600	12976877	STOCK ASSY, RIGHT UOC: BB2, BC6 .....	1
21	PAOZZ	19200	5306-01-408-4953	12976880	SCREW, STOCK UOC: BB2, BC6 .....	2
22	PAOZZ	19200	1005-01-408-5416	12976881	STOCK, LEFT UOC: BB2, BC6 .....	1

END OF FIGURE

\* MARINE CORPS ONLY

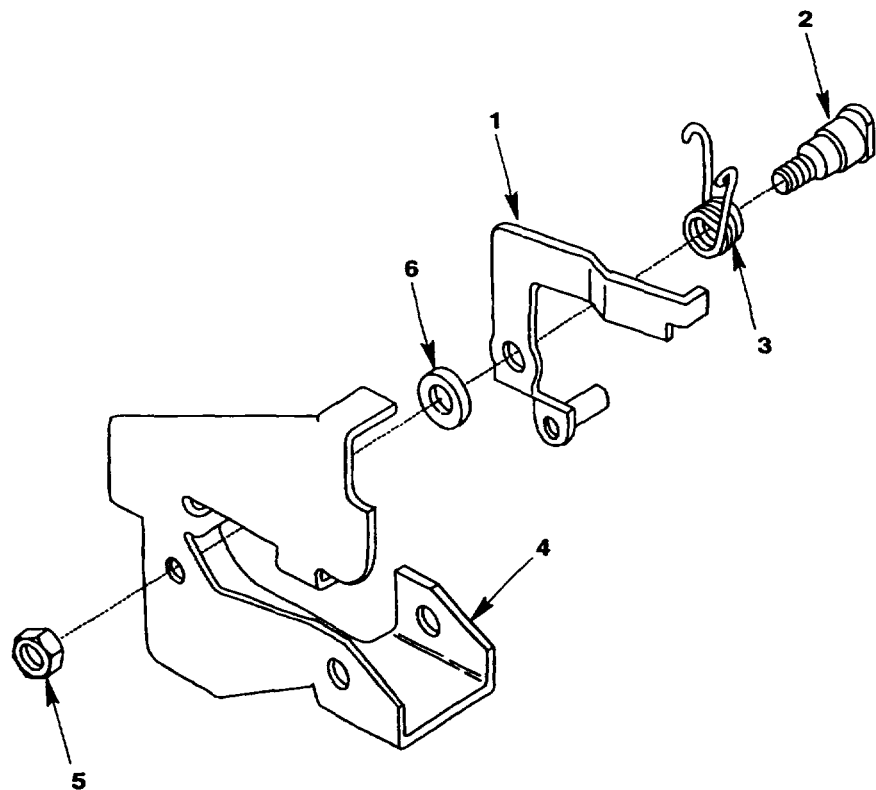


Figure C-11. Actuating Assembly, Trigger, M240E1, PN 12597071

GROUP 0401    Trigger Actuating Assembly

Figure C-11    Actuating Assembly, Trigger, M240E1,  
PN 12597071

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAOZZ	19200	1005-01-251-9698	12597073	LINK, ACTUATING ASSEMBLY UOC: AG8.....	1
2	PAOZZ	19200	1005-01-251-9697	12597076	PIVOT, TRIGGER, ACTUATING LINK UOC: AG8.....	1
3	PAOZZ	19200	5360-01-251-9726	12597077	SPRING, HELICAL, TORSION ACTUATING LINK UOC: AG8.....	1
4	XAOZZ	19200		12597072	BODY, PLATE, PROTECTING UOC: AG8.....	1
5	PAOZZ	96906	5310-00-020-3260	MS21083C5	NUT, SELF-LOCKING UOC: AG8.....	1
6	PAOZZ	19200	5310-01-251-9734	12597078	WASHER, FLAT UOC: AG8.....	1

END OF FIGURE

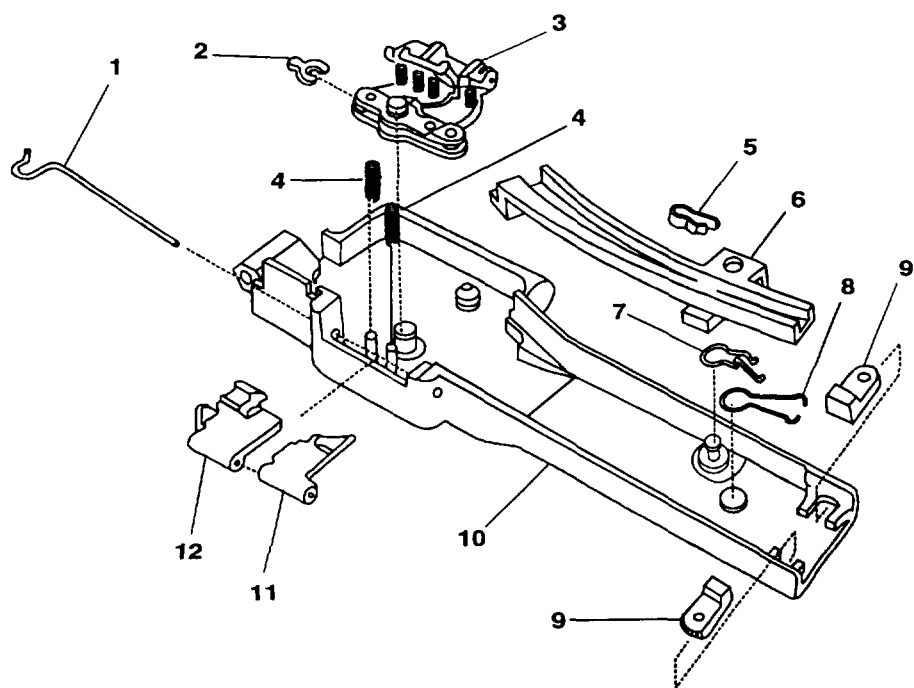
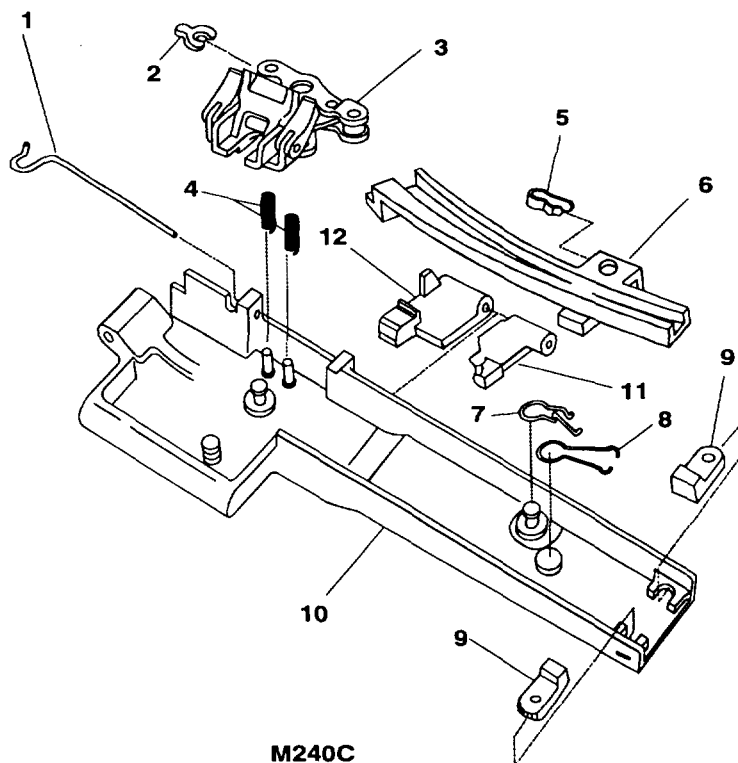
**M240/M240B/M240E1/M240G****M240C**

Figure C-12. Cover Assembly, M240/M240E1/M240G, PN 11826165;  
M240B, PN 12977101; M240C, PN 11826038

## SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

## GROUP 05 Cover Assembly

**Figure C-12 Cover Assembly, M240, M240E1, and M240G,  
PN 11826165; M240B, PN 12977101; M240C,  
PN 11826038;**

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFZZ PAOZZ*	19200	5315-01-033-3898	11826205	PIN, PAWL RETAINING UOC: AG8, BB2, BC6, G69.....	1
1	PAFZZ PAOZZ*	19200	5315-01-090-8051	11826018	PIN, PAWL RETAINING UOC: L04 .....	1
2	PAFZZ PAOZZ*	19200	5325-01-033-3927	11826200	RING, RETAINING .....	1
3	PAFFF PAOZZ*	19200	3040-01-033-1501	11826177	PAWL, FEED ASSEMBLY SEE FIG. C-13 FOR BRKDWN UOC: AG8, BB2, BC6, G69.....	1
3	PAFFF PAOZZ*	19200	3040-01-091-0682	11826017	PAWL, FEED ASSEMBLY SEE FIG. C-13 FOR BRKDWN UOC: L04 .....	1
4	PAFZZ PAOZZ*	19200	5360-01-033-8385	11826201	SPRING, HELICAL .....	2
5	PAFZZ PAOZZ*	19200	5315-01-033-8872	11826202	PIN, LOCK .....	1
6	PAFZZ PAOZZ*	19200	1005-01-033-3897	11826209	LEVER, FEED UOC: AG8, BB2, BC6, G69.....	1
6	PAFZZ PAOZZ*	19200	1005-01-090-8050	11826039	LEVER, FEED UOC: L04 .....	1
7	PAFZZ PAOZZ*	19200	5340-01-033-6597	11826204	CLIP, RETAINING .....	1
8	PAFZZ PAOZZ*	19200	5340-01-033-6598	11826203	CLIP, RETAINING .....	1
9	PAFZZ PAOZZ*	19200	5340-01-032-8148	11826206	LATCH, COVER .....	2
10	XAFZZ XAOZZ*	19200		11826166	COVER UOC: AG8, BC6, G69 .....	1
10	XAFZZ XAOZZ*	19200		11826022	COVER, FRAME, RH UOC: L04 .....	1
10	XAFZZ XAOZZ*	19200		12977102	COVER, OPTICAL SIGHT, UOC: BB2 .....	1
11	PAFZZ PAOZZ*	19200	1005-01-033-1516	11826207	GUIDE, CARTRIDGE UOC: AG8, BB2, BC6, G69.....	1
11	PAFZZ PAOZZ*	19200	1005-01-090-8121	11826035	GUIDE, CARTRIDGE, REAR UOC: L04 .....	1
12	PAFZZ PAOZZ*	19200	1005-01-032-8154	11826208	GUIDE, CARTRIDGE UOC: AG8, BB2, BC6, G69.....	1
12	PAFZZ PAOZZ*	19200	1005-01-090-8120	11826023	GUIDE, CARTRIDGE, FRONT UOC: L04 .....	1

**END OF FIGURE**

\* MARINE CORPS ONLY

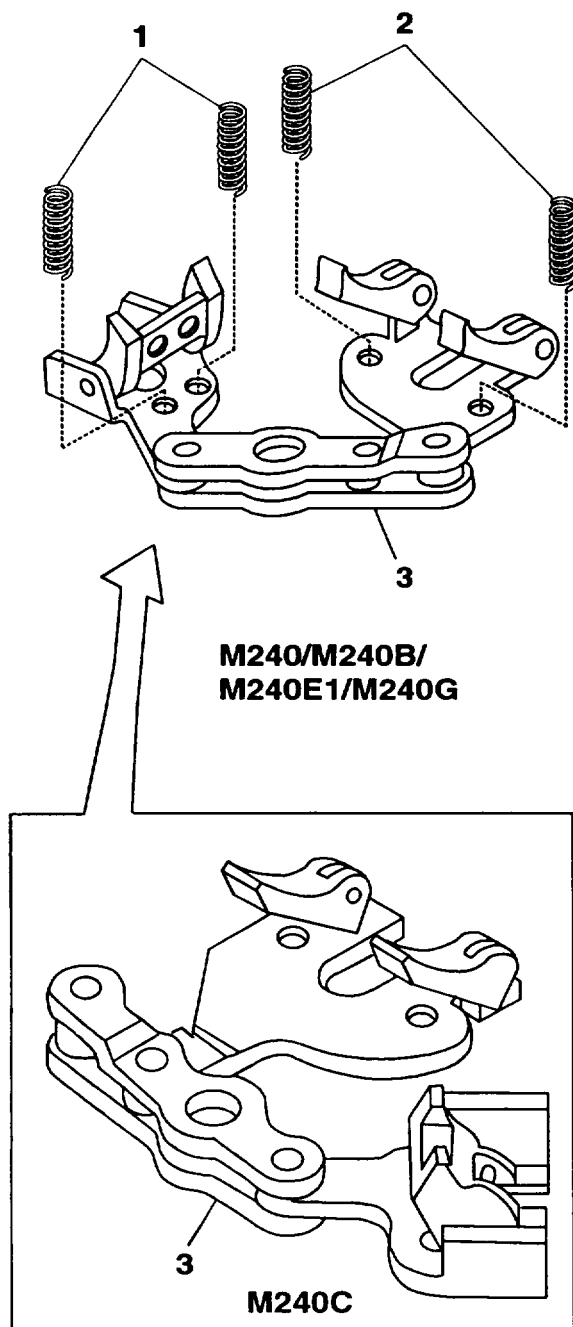


Figure C-13. Pawl Assembly, Feed, M240/M240E1, PN 11826177;  
M240C, PN 11826017



SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

GROUP 0501 Feed Pawl Assembly

Figure C-13 Feed Pawl Assembly, M240 and M240E1,  
PN 11826177; M240C, PN 11826017

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAFZZ PAOZZ*	19200	5360-01-034-4114	11826189	SPRING, HELICAL .....	2
2	PAFZZ PAOZZ*	19200	5360-01-035-0838	11826182	SPRING, HELICAL .....	2
3	XAFZZ XAOZZ*	19200		11826191	FEED PAWL UOC: AG8, BB2, BC6, G69.....	1
3	XAFZZ XAOZZ*	19200		11825982	FEED PAWL UOC: L04 .....	1

END OF FIGURE

\* MARINE CORPS ONLY

C-13-2

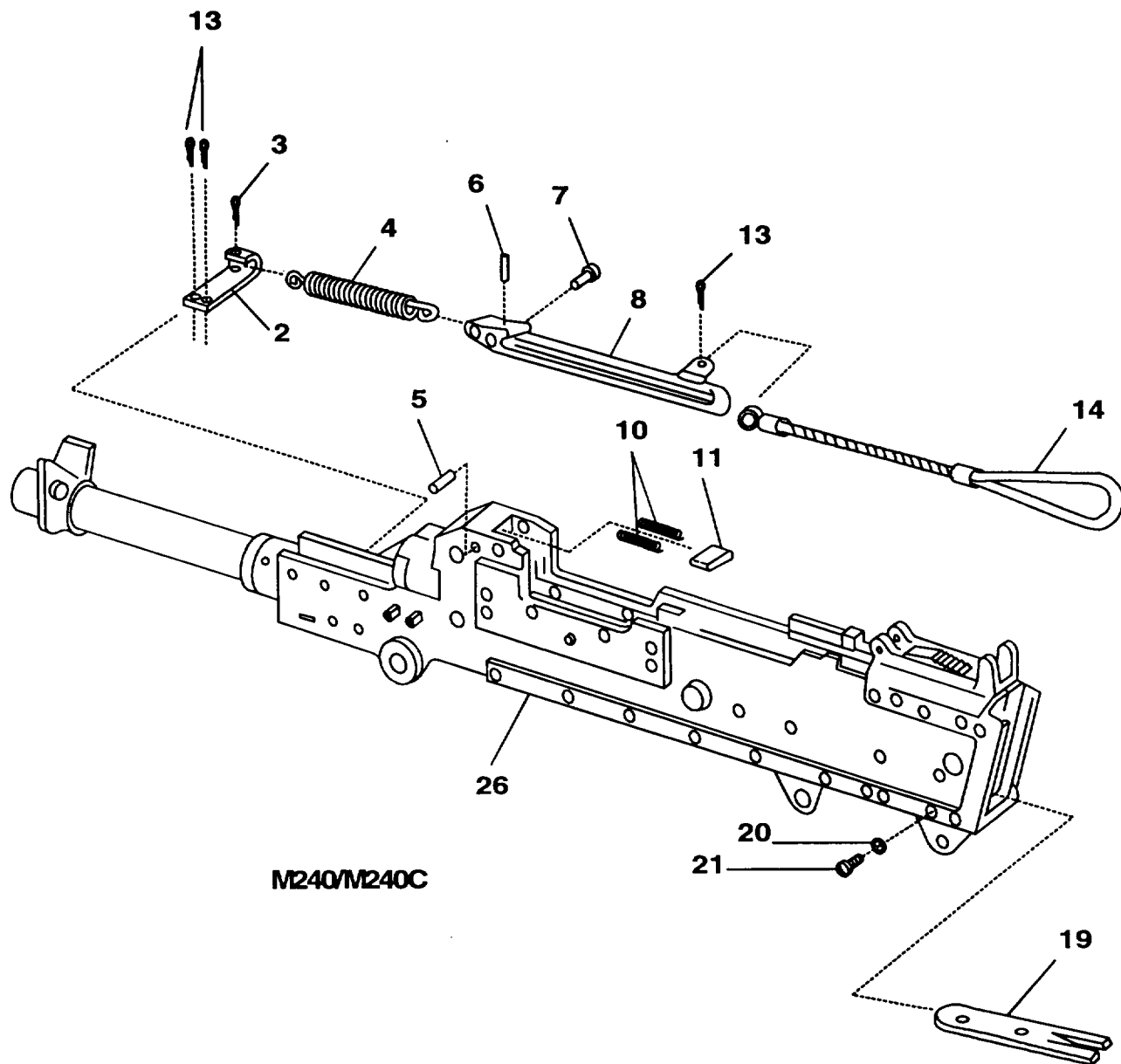


Figure C-14. Receiver Assembly, M240/M240C, PN 11826192;  
M240B, PN 12976834; M240E1, PN 12597044; M240G, PN 93013A2000  
(Sheet 1 of 2)

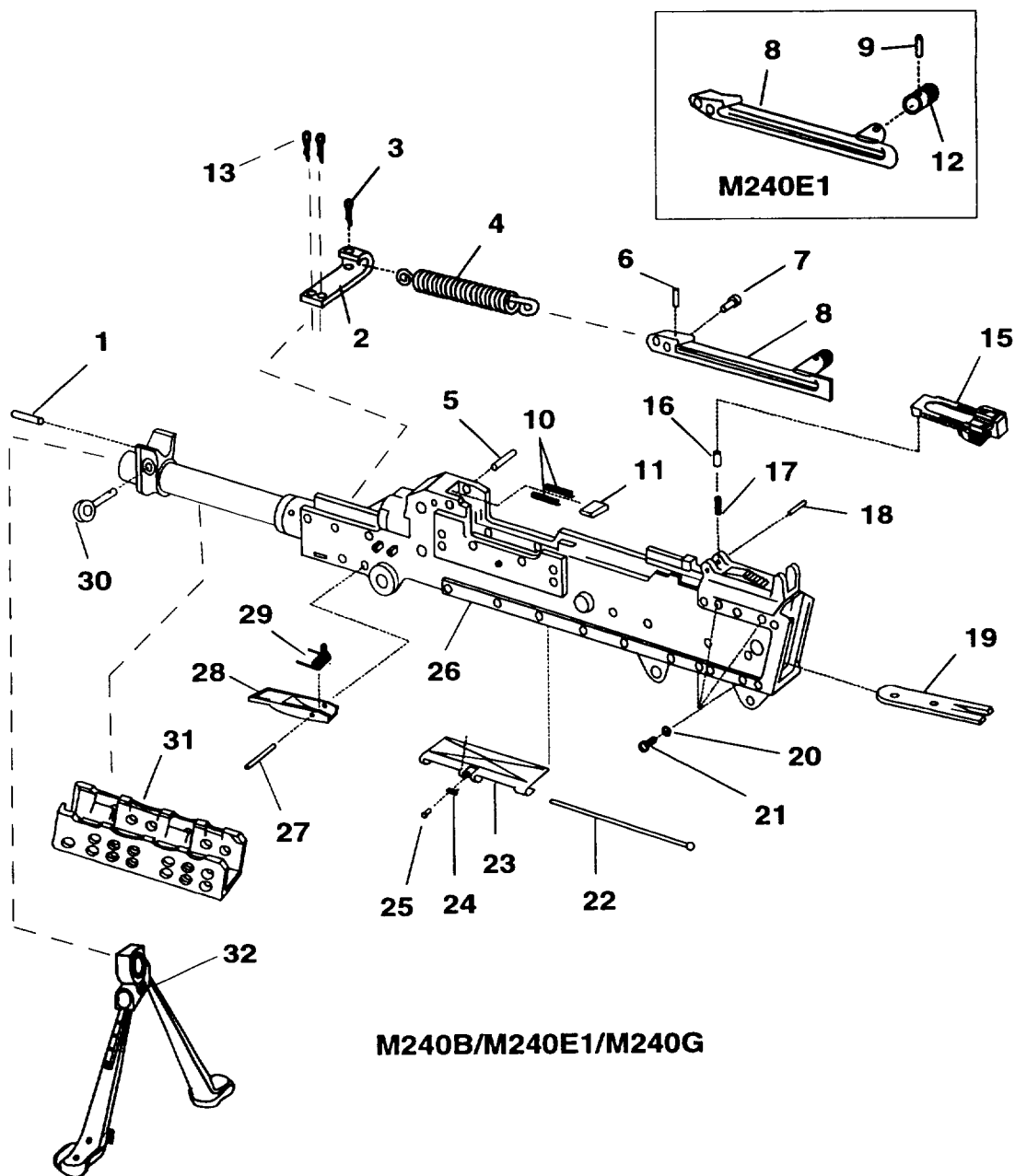


Figure C-14. Receiver Assembly, M240/M240C, PN 11826192;  
M240B, PN 12976834; M240E1, PN 12597044; M240G, PN 93013A2000  
(Sheet 2 of 2)

## SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

## GROUP 06 Receiver Assembly

**Figure C-14 Receiver Assembly, M240/M240C, PN 11826192;  
M240B, PN 12976834; M240E1, PN 12597044;  
M240G, PN 93013A2000**

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAOZZ	96906	5315-00-836-0643	MS39086-205	PIN, SPRING UOC: BB2, BC6 .....	1
2	PAOZZ	19200	1055-01-034-1617	11826153	PLATE, SPRING UOC: AG8, G69, L04 .....	1
3	PAOZZ	96906	5315-00-849-5579	MS24665-437	PIN, COTTER UOC: AG8, G69, L04 .....	1
4	PAOZZ	19200	5360-01-034-4115	11826155	SPRING, HELICAL UOC: AG8, G69, L04 .....	1
5	PAFZZ PAOZZ*	19200	5315-01-033-3889	11826068-2	PIN, SPRING .....	1
6	PAFZZ PAOZZ*	96906	5315-00-058-6044	MS16562-106	PIN, SPRING .....	1
7	PAFZZ PAOZZ*	19200	5315-01-034-1580	11826137	PIN, STRAIGHT, HEADED .....	1
8	PAFZZ PAOZZ*	19200	1005-01-033-3629	11826135	SLIDE, CHARGER UOC: AG8, G69, L04 .....	1
8	PAOZZ	19200	1005-01-409-0841	12976835	COCKING ASSEMBLY UOC: BB2, BC6 .....	1
9	PAOZZ	96906	5315-01-276-5877	MS39086-406	PIN, SPRING UOC: AG8 .....	1
10	PAFZZ PAOZZ	19200	5360-01-034-1639	11826158	SPRING, HELICAL COMPRESSION .....	2
11	PAFZZ PAOZZ*	19200	5340-01-033-3910	11826156	PLUNGER, DETENT .....	1
12	PAOZZ	19200	5355-01-251-9755	12597045	HANDLE, MANUAL CONTROL UOC: AG8 .....	1
13	PAOZZ	21450	5315-00-181-6984	590479	PIN, COTTER UOC: AG8 .....	2
14	PAOZZ	19200	1005-01-032-8145	11826145	UOC: G69 .....L04 CABLE, CHARGER UOC: G69, L04 .....	3
15	AOOOO	19200		12597046	REAR SIGHT ASSY SEE FIG. C-16 FOR BRKDOWN UOC: AG8, BB2, BC6 .....	1
16	PAOZZ	19200	1005-01-251-9689	12597055	PLUNGER, REAR SIGHT UOC: AG8, BB2, BC6 .....	1
17	PAOZZ	19200	5360-01-251-9724	12597054	SPRING, HELICAL, COMPRESSION UOC: AG8, BB2, BC6 .....	1
18	PAOZZ	19200	5315-01-251-9722	12597056	PIN, STRAIGHT, HEADLESS UOC: AG8, BB2, BC6 .....	1
19	PAOZZ	19200	5340-01-033-1484	11826122	COVER, ACCESS .....	1
20	PAOZZ	19200	5310-01-033-8380	11826121	WASHER, FLAT .....	4
21	PAOZZ	19200	5305-01-035-2479	11826120	SCREW, MACHINE .....	4
22	PAFZZ	19200	5315-01-435-8728	12976846	PIN, HINGE UOC: BB2 .....	1

C-14-3

## SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

## GROUP 06

## Receiver Assembly

## Figure C-14

Receiver Assembly, M240/M240C, PN 11826192;  
M240B, PN 12976834; M240E1, PN 12597044;  
M240G, PN 93013A2000 (cont)

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
23	PAFZZ	19200	1005-01-441-5758	12976843	COVER, EJECTION PORT UOC: BB2 .....	1
24	PAFZZ	19200	5360-01-440-4914	12976844	SPRING, HELICAL, TORSION UOC:BB2 .....	1
25	PAFZZ	19200	5340-01-440-3809	12976845	PLUNGER UOC: BB2 .....	1
26	XAFDA	19200		11826080	RECEIVER BODY ASSEMBLY.....	1
27	PAOZZ	19200	5315-01-409-0136	12976850	PIN, SPRING UOC: BB2, BC6 .....	1
28	PAOZZ	19200	1005-01-408-5435	12976848	LATCH, BIPOD UOC: BB2, BC6 .....	1
29	PAOZZ	19200	5360-01-408-5998	12976849	SPRING, BIPOD LATCH UOC: BB2., BC6 .....	1
30	PAOZZ	19200	5365-01-408-5439	12976847	RING, SLING UOC: BB2, BC6 .....	1
31	PAOZZ	19200	1005-01-429-0423	12976840	HAND GUARD UOC: BB2 .....	1
32	PAOFF PAOOO*	19200	1005-01-408-5905	12976883	BIPOD ASSEMBLY FOR BRKDWN SEE FIG. C-18 UOC: BB2, BC6 .....	1

END OF FIGURE

\* MARINE CORPS ONLY

C-14-4

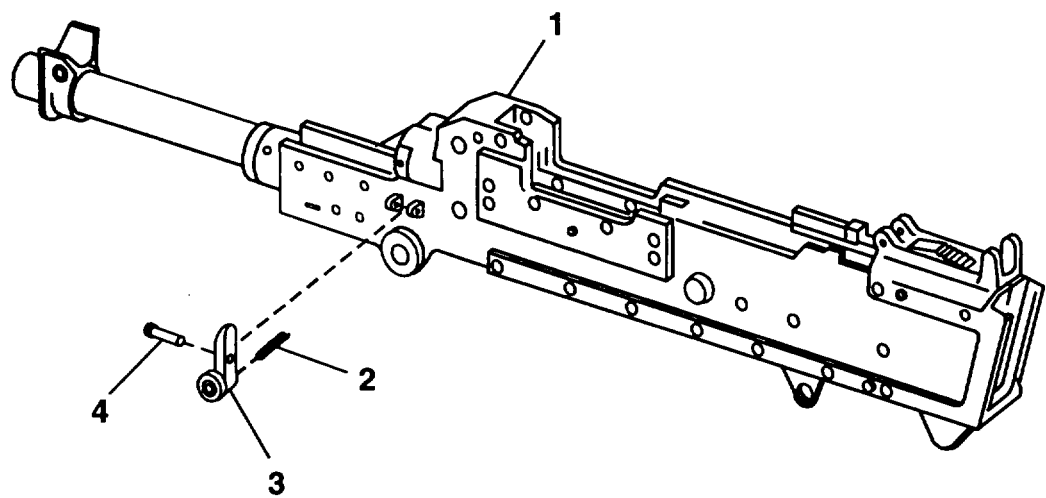


Figure C-15. Body, Receiver Assembly, PN 11826080

GROUP 0601 Receiver Body Assembly

Figure C-15 Body, Receiver Assembly, PN 11826080

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	XAFDA	19200		NPN	RECEIVER ASSEMBLY, BODY.....	1
2	PAFZZ PAOZZ*	19200	5360-01-033-8884	11826131	SPRING, HELICAL .....	1
3	PAFZZ PAOZZ*	19200	5340-01-033-8325	11826124	LATCH, BARREL LOCKING .....	1
4	PAFZZ PAOZZ*	19200	5315-01-033-3885	11826130	PIN. GROOVED, HEADED .....	1

END OF FIGURE

\* MARINE CORP ONLY

NPN - No Part Number

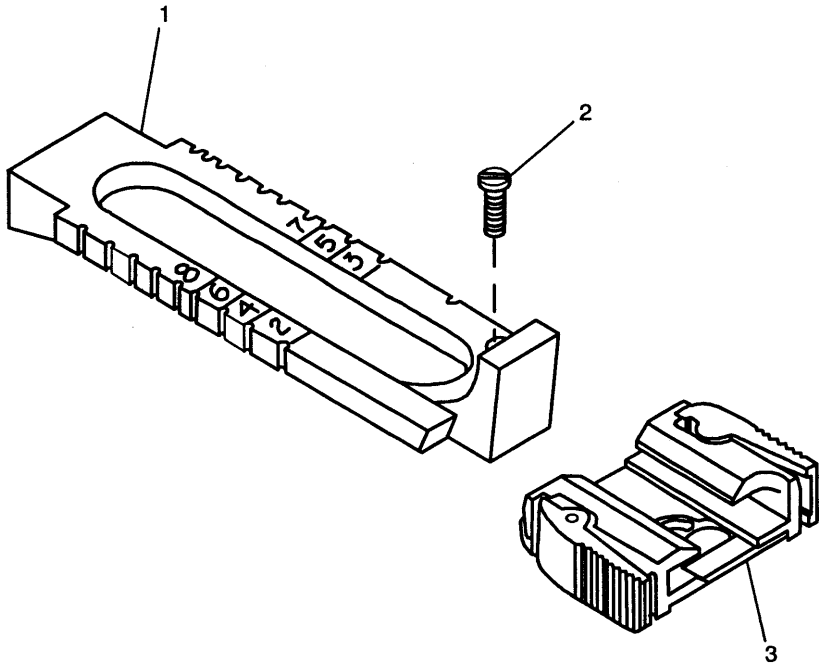


Figure C-16. Rear Sight Assembly, PN 12597046

GROUP 0602    Rear Sight Assembly

Figure C-16    Rear Sight Assembly, P/N 12597046

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAOZZ	19200	1005-01-251-9691	12597047	LEAF, REAR., SIGHT UOC: AG8, BB2, BC6 .....	1
2	PAOZZ	19200	5305-01-251-9738	12597053	SCREW, CAP, SOCKET HEAD SIGHT, LEAF UOC: AG8, BB2, BC6 .....	1
3	PAOOO	19200	1005-01-251-9690	12597048	SLIDE ASSEMBLY, REAR SIGHTR UOC: SEE FIG C-17 FOR BRKDOWN UOC: AG8, BB2, BC6 .....	1

END OF FIGURE

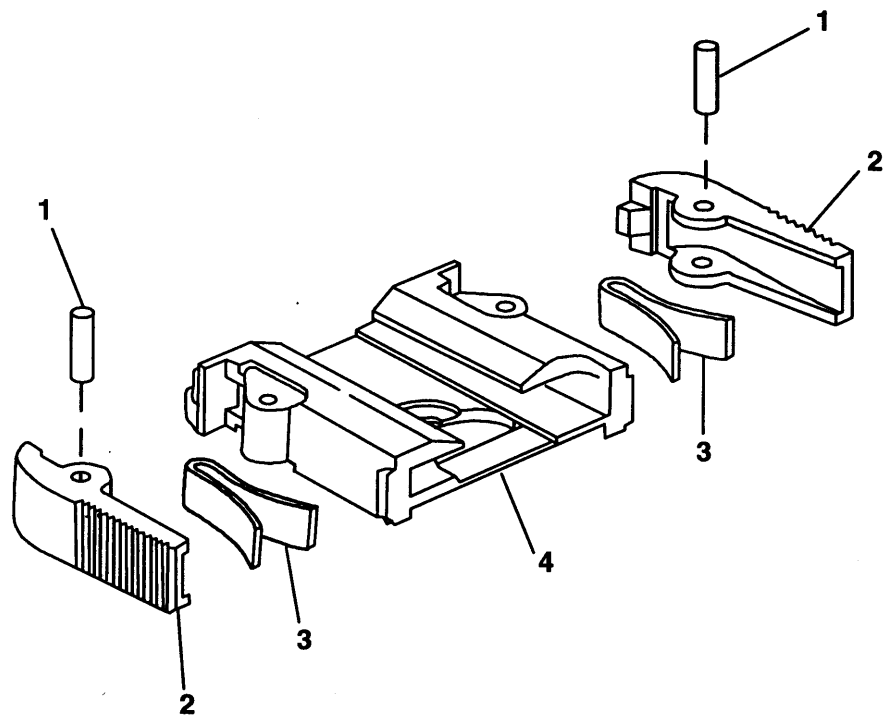


Figure C-17. Slide Assembly, M240B, M240E1, and M240G, PN 12597048

GROUP 060201 Slide Assembly

Figure C-17 Slide Assembly, M240B, M240E1, and M240G,  
PN 12597048

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAOZZ	19200	5315-01-251-9723	12597052	PIN, STRAIGHT, HEADLESS UOC: AG8, BB2, BC6 .....	2
2	PAOZZ	19200	1005-01-251-9700	12597050	CATCH, REAR SIGHT UOC: AG8, BB2, BC6 .....	2
3	PAOZZ	19200	5360-01-251-9699	12597051	SPRING, CATCH UOC: AG8, BB2, BC6 .....	2
4	XAOZZ	19200		12597049	SLIDE, REAR SIGHT UOC: AG8, BB2, BC6 .....	1

END OF FIGURE



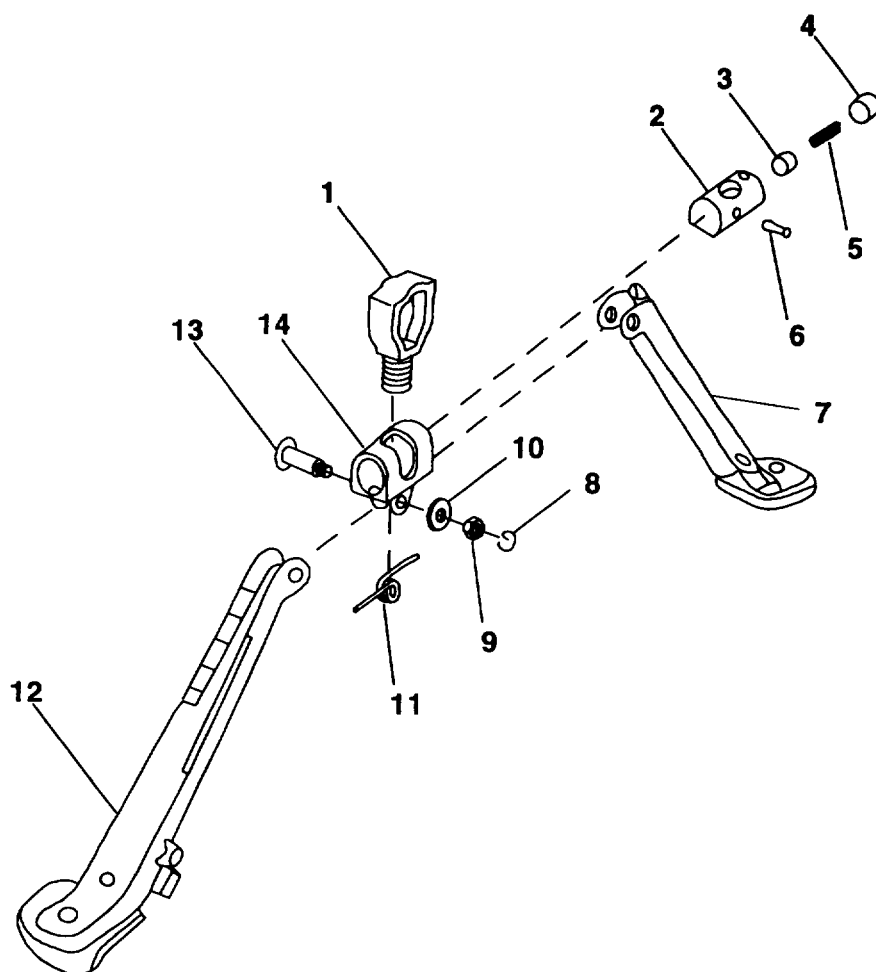


Figure C-18. Bipod Assembly, M240B and M240G, PN 12976883

## SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

## GROUP 0603 Bipod Assembly

Figure C-18 Bipod Assembly, M240B and M240G,  
PN 12976883

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	XAFAZZ	19200		12976900	HEAD, BIPOD	
	XAOZZ*				UOC: BB2, BC6 .....	1
2	PAFAZZ	19200	1005-01-408-5437	12976903	CYLINDER, ACTUATING	
	PAOZZ*				UOC: BB2, BC6 .....	1
3	PAFAZZ	19200	1005-01-408-5438	12976901	PLUNGER, RETAINING, BIPOD	
	PAOZZ*				UOC: BB2, BC6 .....	1
4	PAFAZZ	19200	5315-01-408-6676	12976898	BUSHING, RETAINING HEAD PLUNGER	
	PAOZZ*				UOC: BB2, BC6 .....	1
5	PAFAZZ	19200	5360-01-408-6000	12976899	SPRING, HELICAL COMPRESSION	
	PAOZZ*				UOC: BB2, BC6 .....	1
6	PAFAZZ	19200	5315-01-408-6413	12976904	PIN, SPRING, TUBULAR, SLOTTED	
	PAOZZ*				UOC: BB2, BC6 .....	1
7	PAFAZZ	19200	1005-01-408-6002	12976884	LEG, RIGHT, ASSY	
	PAOZZ*				UOC: BB2, BC6 .....	1
8	PAFAZZ	19200	5365-01-408-9050	12976906	RING, AXIS PIN, LEG	
	PAOZZ*				UOC: BB2, BC6 .....	1
9	PAFAZZ	19200	5310-01-408-9456	12976907	NUT, AXIS PIN, LEG	
	PAOZZ*				UOC: BB2, BC6 .....	1
10	PAFAZZ	19200	5310-01-408-9052	12976908	WASHER, AXIS, PIN	
	PAOZZ*				UOC: BB2, BC6 .....	1
11	PAFAZZ	19200	5360-01-408-6675	12976905	SPRING, LEG	
	PAOZZ*				UOC: BB2, BC6 .....	1
12	PAFAZZ	19200	1005-01-408-6671	12976894	LEG, LEFT, ASSEMBLY	
	PAOZZ*				UOC: BB2, BC6 .....	1
13	PAFAZZ	19200	1005-01-408-6011	12976897	PIN, AXIS, LEG, BIPOD	
	PAOZZ*				UOC: BB2, BC6 .....	1
14	PAFAZZ	19200	1005-01-408-6678	12976902	HEAD, HINGE, BODY BIPOD	
	PAOZZ*				UOC: BB2, BC6 .....	1

END OF FIGURE

\* MARINE CORPS ONLY

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SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

GROUP 9900 Bulk Items

Figure BULK Bulk Items

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
-------------------	--------------------	---------------	------------	-----------------------	---	------------

1	PAOZZ	11862	4720-01-156-0549	9439046	TUBING, NONMETALLIC .....	V
2	PAOZZ	96906	9505-00-995-3177	MS9226-04	WIRE, STEEL, CRES., SAFETY.....	V

END OF FIGURE

BULK-1

Section III. SPECIAL TOOLS LIST

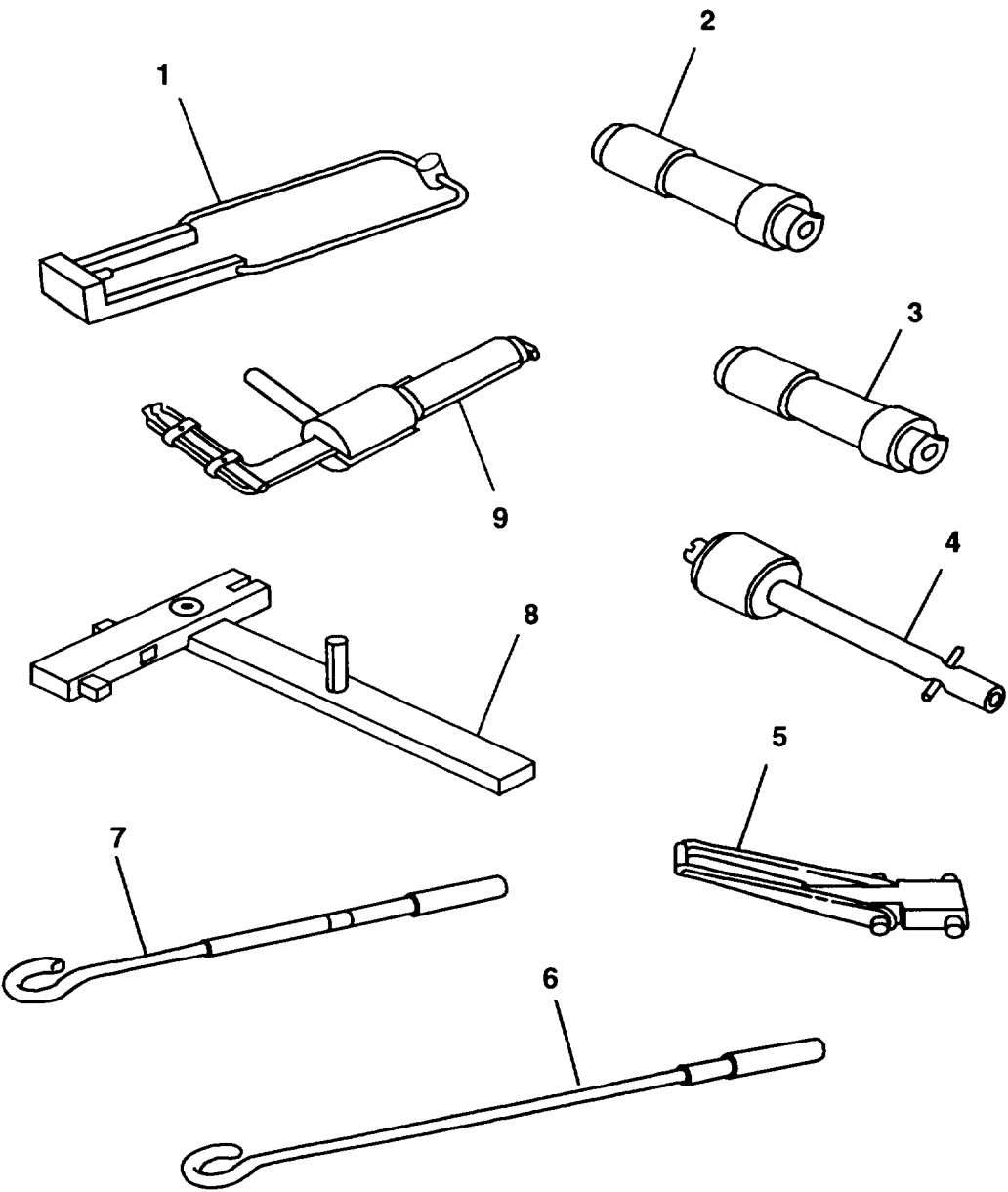


Figure C-19. Special Tools List

## SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

## GROUP 9500 Special Tools List

## Figure C-19 Special Tools List

(1) ITEM NO	(2) SMR CODE	(3) CAGE C	(4) NSN	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PAOZZ	19200	4933-01-038-7179	11826076	TOOL, REMOVING, EJECTOR BOI: 1 PER GUN AT UNIT 2 PER DS/GS SHOP	
2	PAFZZ	19200	4933-01-043-8211	11826299	GAGE, HEADSPACE BOI: 2 PER DS/GS	
3	PAFZZ	19200	4933-01-043-8212	11826274	GAGE, HEADSPACE BOI: 2 PER DS/GS	
4	PAFZZ	19200	4933-01-043-9450	11826304	GAGE, FIRING PIN PROTRUSION BOI: 2 PER DS/GS	
5	PAFZZ	19200	4933-01-038-7183	11826077	TOOL, DISASSEMBLY, COVER BOI: 2 PER DS/GS	
6	PAFZZ	19200	5220-01-082-5564	11826276	GAGE, MUZZLE AND BREECHBORE WEAR BOI: 2 PER DS/GS	
7	PAFZZ	19200	5210-01-082-1714	11826298	GAGE, BREECHBORE, MACHINE EROSION BOI: 2 PER DS/GS	
8	PAOZZ	19200	1005-01-253-6088	12597079	ADJUSTING TOOL, COMB. FRONT SIGHT BOI: 1 PER GUN AT UNIT 2 PER DS/GS SHOP UOC: AG8, BB2, BC6	
9	PAOZZ	19200	4933-01-033-1503	11826059	TOOL, COMBINATION SCRAPER	

END OF FIGURE

\* MARINE CORPS ONLY

C-19-2/C-19-3 blank

## CROSS REFERENCE INDEX

## FIGURE AND ITEM NUMBER

FIGURE	ITEM NO	CAGEC	NSN	PART NO
C-1	1	19200	1005-01-251-9701	12597035
C-1	1	19200		12976817
C-1	1	19200	1005-01-408-5897	12976818
C-1	1	19200	1005-01-044-1026	11825985
C-1	2	19200	1005-01-441-4163	11826165
C-1	2	19200	1005-01-441-3115	12977101
C-1	2	19200	1005-01-362-8732	11826038
C-1	3	19200	1005-01-032-8143	11826006
C-1	3	19200	1005-01-091-0683	11826020
C-1	4	19200	5315-01-035-0827	11826277
C-1	5	19200		12597044
C-1	5	01365		93013A2000
C-1	5	19200		12976834
C-1	5	19200		11826192
C-1	6	19200	1005-01-257-9253	11826211
C-1	6	19200	1005-01-251-9692	12597057
C-1	6	19200	1005-01-408-5901	12976851
C-1	7	19200		11826070
C-1	7	19200		12976866
C-1	8	19200	1005-01-035-0829	11826024
C-1	9	19200	1005-01-440-8010	11826230
C-1	9	19200	1005-01-394-1928	12597070
C-1	9	19200	1005-01-408-6669	12976869
C-1	10	19200	5315-01-033-3888	11826160
C-2	1	19200	1005-01-251-9701	12597035
C-2	2	19200	1005-01-032-8152	11826002
C-2	3	19200		11825986
C-2	4	96906	5315-00-710-2735	MS16562-122
C-2	5	19200	5340-01-032-8146	11825999
C-2	6	19200	1005-01-033-3900	11826001
C-2	7	19200	1005-01-034-6503	11825997
C-2	8	19200	1005-01-033-3899	11826003
C-2	9	19200	1005-01-036-7160	11825992
C-2	10	19200	1005-01-044-1026	11825985
C-2	11	19200		12597038
C-2	12	19200	5305-01-251-9731	12597043
C-2	13	19200		12597036
C-2	14	19200		12976817
C-2	15	19200	1005-01-431-0664	12976831
C-2	16	19200	1005-01-408-5897	12976818
C-2	17	19200	1030-01-408-3578	12976830
C-2	18	19200	1005-01-408-3585	12976819
C-2	19	19200	5360-01-410-9257	12976827
C-2	20	19200	1005-01-408-5419	12976828
C-2	21	19200	5315-01-409-0142	12976829

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## FIGURE AND ITEM NUMBER

FIGURE	ITEM NO	CAGEC	NSN	PART NO
C-3	1	96906	5315-01-030-9214	MS51923-97
C-3	2	19200	1005-01-255-4233	12597040-1
C-3	2	19200	1005-01-255-4232	12597040-2
C-3	3	19200	5340-01-251-9729	12597041
C-3	4	19200	5360-01-251-9688	12597042
C-3	5	19200	1005-01-251-9687	12597039
C-4	1	19200		12976823
C-4	2	19200	1035-01-408-3590	12976820
C-4	3	19200	5310-01-408-3593	12976821
C-4	4	96909		MS9226-04
C-5	1	19200		12597058
C-5	1	19200		11826152
C-5	2	19200	5315-01-033-3886	11826216
C-5	3	19200	1005-01-033-1505	11826218
C-5	4	19200	1005-01-032-8149	11826219
C-5	5	19200	1005-01-032-8150	11826220
C-5	6	19200	5365-01-033-3931	11826222
C-5	7	19200	5310-01-033-3851	11826221
C-5	8	96906	5315-00-832-4132	MS39086-147
C-5	9	19200	5340-01-251-9695	12597062
C-5	9	19200	5340-01-032-8147	11826213
C-5	10	19200	5360-01-033-3926	11826214
C-5	11	19200	5340-01-033-3909	11826215
C-5	12	96906	5315-00-806-0213	MS171475
C-5	13	19200	1005-01-251-9693	12597066
C-5	14	19200	5360-01-251-9725	12597069
C-5	15	96906	5315-00-812-1006	MS39086-80
C-5	16	19200	1005-01-251-9694	12597063
C-5	17	19204	5315-00-515-2854	5152854
C-5	18	19204	5305-00-500-9394	5009394
C-5	19	19204	5340-00-600-8937	6008937
C-5	20	19204	5315-00-731-2517	7312517
C-5	21	19200	1005-00-918-2617	5009369
C-5	22	19204	1005-00-726-5561	7265561
C-6	1	19200		12976858
C-6	1	01365	1030-01-408-3597	93013A3202
C-6	2	19200	1005-01-033-1505	11826218
C-6	3	19200	1005-01-032-8149	11826219
C-6	4	19200	1005-01-032-8150	11826220
C-6	5	19200	5365-01-033-3931	11826222
C-6	6	19200	5310-01-033-3851	11826221
C-6	7	01365	5310-01-408-3628	93013A3204
C-6	8	01365	1030-01-408-4891	93013A3201
C-6	9	96906	5315-00-832-4132	MS39086-147
C-6	10	19200	5305-01-408-4892	12976862

## SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

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## FIGURE AND ITEM NUMBER (CONTINUED)

FIGURE NUMBER	ITEM NUMBER	CAGE CODE	NATIONAL STOCK NUMBER	PART NUMBER
C-6	11	19200	5305-01-408-4890	12976864
C-6	12	19200	1005-01-408-5417	12976863
C-6	13	19200	1005-01-410-9126	12976937
C-6	14	19200	1030-01-408-3594	12976861
C-6	15	19200	5360-01-033-3926	11826214
C-6	16	19200	5340-01-033-3909	11826215
C-6	17	96906	5315-00-806-0213	MS171475
C-6	18	19200	5315-01-033-3886	11826216
C-7	1	19200		11826057
C-7	2	19200	1005-01-033-1523	11826065
C-7	3	19200	5315-01-037-5586	11826054
C-7	4	19200	5315-01-033-8873	11826068-1
C-7	5	19200	1005-01-033-3901	11826072
C-7	5	19200	1005-01-413-6992	12976867
C-8	1	19200	1005-01-033-1525	11826067
C-8	2	19200	5360-01-033-8885	11826069
C-8	3	19200	1005-01-033-9410	11826040
C-8	4	19200	5315-01-033-3887	11826068-3
C-8	5	19200	1005-01-033-4538	11826060
C-8	6	19200	5360-13-110-9364	11826062
C-8	7	19200	1005-01-032-8142	11826061
C-9	1	19200		11826041
C-9	2	19200	3120-01-127-8980	11826042
C-9	3	19200	5360-01-133-8874	11826046
C-9	4	19200	5315-01-158-7862	11826047
C-10	1	19200	1005-01-033-1526	11826240
C-10	2	19200	1005-01-033-1524	11826253
C-10	3	19200	1005-01-034-4113	11826232-2
C-10	4	96906	5310-00-956-4549	MS21083-C6
C-10	5	19200	1005-01-033-1502	11826234
C-10	6	19200		11826231
C-10	7	19200	1005-01-251-9696	12597071
C-10	8	19200	1005-01-033-8328	11826258
C-10	9	19200	1005-01-033-1528	11826232-1
C-10	10	96906	5306-01-192-0677	MS9286-24
C-10	11	96906	5310-00-036-6770	MS15795-814B
C-10	12	19200	5315-01-033-3890	11826255
C-10	13	19200	5315-01-034-1583	11826250
C-10	14	19200	5360-01-033-1535	11826254
C-10	15	19200	1005-01-410-8544	12976874
C-10	16	19200	1005-01-410-8498	12976875
C-10	17	19200		12976876
C-10	18	19200	1005-01-408-4361	12976870
C-10	19	19200	1005-01-409-0144	12976882
C-10	20	19200	1005-01-408-4600	12976877
C-10	21	19200	5306-01-408-4953	12976880
C-10	22	19200	1005-01-408-5416	12976881



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## FIGURE AND ITEM NUMBER (CONTINUED)

FIGURE NUMBER	ITEM NUMBER	CAGE CODE	NATIONAL STOCK NUMBER	PART NUMBER
C-11	1	19200	1005-01-251-9698	12597073
C-11	2	19200	1005-01-251-9697	12597076
C-11	3	19200	5360-01-251-9726	12597077
C-11	4	19200		12597072
C-11	5	96906	5310-00-020-3260	MS21083C5
C-11	6	19200	5310-01-251-9734	12597078
C-12	1	19200	5315-01-033-3898	11826205
C-12	1	19200	5315-01-090-8051	11826018
C-12	2	19200	5325-01-033-3927	11826200
C-12	3	19200	3040-01-033-1501	11826177
C-12	3	19200	3040-01-091-0682	11826017
C-12	4	19200	5360-01-033-8385	11826201
C-12	5	19200	5315-01-033-8872	11826202
C-12	6	19200	1005-01-033-3897	11826209
C-12	6	19200	1005-01-090-8050	11826039
C-12	7	19200	5340-01-033-6597	11826204
C-12	8	19200	5340-01-033-6598	11826203
C-12	9	19200	5340-01-032-8148	11826206
C-12	10	19200		11826166
C-12	10	19200		11826022
C-12	10	19200		12977102
C-12	11	19200	1005-01-033-1516	11826207
C-12	11	19200	1005-01-090-8121	11826035
C-12	12	19200	1005-01-032-8154	11826208
C-12	12	19200	1005-01-090-8120	11826023
C-13	1	19200	5360-01-034-4114	11826189
C-13	2	19200	5360-01-035-0838	11826182
C-13	3	19200		11826191
C-13	3	19200		11825982
C-14	1	96906	5315-00-836-0643	MS39086-205
C-14	2	19200	1055-01-034-1617	11826153
C-14	3	96906	5315-00-849-5579	MS24665-437
C-14	4	19200	5360-01-034-4115	11826155
C-14	5	19200	5315-01-033-3889	11826068-2
C-14	6	96906	5315-00-058-6044	MS16562-106
C-14	7	19200	5315-01-034-1580	11826137
C-14	8	19200	1005-01-033-3629	11826135
C-14	8	19200	1005-01-409-0143	12976835
C-14	9	96906	5315-01-276-5877	MS39086-406
C-14	10	19200	5360-01-034-1639	11826158
C-14	11	19200	5340-01-033-3910	11826156
C-14	12	19200	5355-01-251-9755	12597045
C-14	13	21450	5315-00-181-6984	590479
C-14	14	19200	1005-01-032-8145	11826145
C-14	15	19200		12597046
C-14	16	19200	1005-01-251-9689	12597055
C-14	17	19200	5360-01-251-9724	12597054
C-14	18	19200	5315-01-251-9722	12597056
C-14	19	19200	5340-01-033-1484	11826122

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## FIGURE AND ITEM NUMBER (CONTINUED)

FIGURE NUMBER	ITEM NUMBER	CAGE CODE	NATIONAL STOCK NUMBER	PART NUMBER
C-14	20	19200	5310-01-033-8380	11826121
C-14	21	19200	5305-01-035-2479	11826120
C-14	22	19200	5315-01-435-8728	12976846
C-14	23	19200	1005-01-441-5758	12976843
C-14	24	19200	5360-01-440-4914	12976844
C-14	25	19200	5340-01-440-3809	12976845
C-14	26	19200		11826080
C-14	27	19200	5315-01-409-0136	12976850
C-14	28	19200	1005-01-408-5435	12976848
C-14	29	19200	5360-01-408-5998	12976849
C-14	30	19200	5365-01-408-5439	12976847
C-14	31	19200	1005-01-429-0423	12976840
C-14	32	19200	1005-01-408-5905	12976883
C-15	1	19200		
C-15	2	19200	5360-01-033-8884	11826131
C-15	3	19200	5340-01-033-8325	11826124
C-15	4	19200	5315-01-033-3885	11826130
C-16	1	19200	1005-01-251-9691	12597047
C-16	2	19200	5305-01-251-9738	12597053
C-16	3	19200	1005-01-251-9690	12597048
C-17	1	19200	5315-01-251-9723	12597052
C-17	2	19200	1005-01-251-9700	12597050
C-17	3	19200	5360-01-251-9699	12597051
C-17	4	19200		12597049
C-18	1	19200		12976900
C-18	2	19200	1005-01-408-5437	12976903
C-18	3	19200	1005-01-408-5438	12976901
C-18	4	19200	5315-01-408-6676	12976898
C-18	5	19200	5360-01-408-6000	12976899
C-18	6	19200	5315-01-408-6413	12976904
C-18	7	19200	1005-01-408-6002	12976884
C-18	8	19200	5365-01-408-9050	12976906
C-18	9	19200	5310-01-408-9456	12976907
C-18	10	19200	5310-01-408-9052	12976908
C-18	11	19200	5360-01-408-6675	12976905
C-18	12	19200	1005-01-408-6671	12976894
C-18	13	19200	1005-01-408-6011	12976897
C-18	14	19200	1005-01-408-6678	12976902
BULK	1	11862	4720-01-156-0549	9439046
BULK	2	96906	9505-00-995-3177	MS9226-04
C-19	1	19200	4933-01-038-7179	11826076
C-19	2	19200	4933-01-043-8211	11826299
C-19	3	19200	4933-01-043-8212	11826274
C-19	4	19200	4933-01-043-9450	11826304
C-19	5	19200	4933-01-038-7183	11826077
C-19	6	19200	5220-01-082-5564	11826276
C-19	7	19200	5210-01-082-1714	11826298
C-19	8	19200	1005-01-253-6088	12597079
C-19	9	19200	4933-01-033-1503	11826059

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## NATIONAL STOCK NUMBER

NSN	PART NO.	CAGEC	FIGURE	ITEM NO.
5310-00-020-3260	MS21083C5	96906	C-11	5
5310-00-036-6770	MS1 5795-814B	96906	C-10	11
5315-00-058-6044	MS1 6562-106	96906	C-14	6
5315-00-181-6984	590479	21450	C-14	13
5305-00-500-9394	5009394	19204	C-5	18
5315-00-515-2854	5152854	19204	C-5	17
5340-00-600-8937	6008937	19204	C-5	19
5315-00-710-2735	MS16562-122	96906	C-2	4
1005-00-726-5561	7265561	19204	C-5	22
5315-00-731-2517	7312517	19204	C-5	20
5315-00-806-0213	MS171475	96906	C-5	12
			C-6	17
5315-00-812-1006	MS39086-80	96906	C-5	15
5315-00-832-4132	MS39086-147	96906	C-5	8
			C-6	9
5315-00-836-0643	MS39086-205	96906	C-14	1
5315-00-849-5579	MS24665-437	96906	C-14	3
1005-00-918-2617	5009369	19200	C-5	21
5310-00-956-4549	MS21083-C6	96906	C-10	4
9505-00-995-3177	MS9226-04	96906	C-4	4
			BULK	2
5315-01-030-9214	MS51923-97	96906	C-3	1
1005-01-032-8142	11826061	19200	C-8	7
1005-01-032-8143	11826006	19200	C-1	3
1005-01-032-8145	11826145	19200	C-14	14
5340-01-032-8146	11825999	19200	C-2	5
5340-01-032-8147	11826213	19200	C-5	9
5340-01-032-8148	11826206	19200	C-12	9
1005-01-032-8149	11826219	19200	C-5	4
			C-6	3
1005-01-032-8150	11826220	19200	C-5	5
			C-6	4
1005-01-032-8152	11826002	19200	C-2	2
1005-01-032-8154	11826208	19200	C-12	12
5340-01-033-1484	11826122	19200	C-14	19
3040-01-033-1501	11826177	19200	C-12	3
1005-01-033-1502	11826234	19200	C-10	5
4933-01-033-1503	11826059	19200	C-19	9
1005-01-033-1505	11826218	19200	C-5	3
			C-6	2
1005-01-033-1516	11826207	19200	C-12	11
1005-01-033-1523	11826065	19200	C-7	2
1005-01-033-1524	11826253	19200	C-10	2
1005-01-033-1525	11826067	19200	C-8	1
1005-01-033-1526	11826240	19200	C-10	1
1005-01-033-1528	11826232-1	19200	C-10	9
5360-01-033-1535	11826254	19200	C-10	14
1005-01-033-3629	11826135	19200	C-14	8
5310-01-033-3851	11826221	19200	C-5	7
			C-6	6
5315-01-033-3885	11826130	19200	C-15	4

## SECTION II

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NSN	PART NO.	CAGEC	FIGURE	ITEM NO.
5315-01-033-3886	11826216	19200	C-5	2
			C-6	18
5315-01-033-3887	11826068-3	19200	C-8	4
5315-01-033-3888	11826160	19200	C-1	10
5315-01-033-3889	11826068-2	19200	C-14	5
1005-01-033-3900	11826001	19200	C-2	6
5315-01-033-3890	11826255	19200	C-10	12
1005-01-033-3897	11826209	19200	C-12	6
5315-01-033-3898	11826205	19200	C-12	1
1005-01-033-3899	11826003	19200	C-2	8
1005-01-033-3900	11826001	19200	C-2	6
1005-01-033-3901	11826072	19200	C-7	5
5340-01-033-3909	11826215	19200	C-5	11
			C-6	16
5340-01-033-3910	11826156	19200	C-14	11
5360-01-033-3926	11826214	19200	C-5	10
			C-6	15
5325-01-033-3927	11826200	19200	C-12	2
5365-01-033-3931	11826222	19200	C-5	6
			C-6	5
1005-01-033-4538	11826060	19200	C-8	5
5340-01-033-6597	11826204	19200	C-12	7
5340-01-033-6598	11826203	19200	C-12	8
5340-01-033-8325	11826124	19200	C-15	3
1005-01-033-8328	11826258	19200	C-10	8
5310-01-033-8380	11826121	19200	C-14	20
5360-01-033-8385	11826201	19200	C-12	4
5315-01-033-8872	11826202	19200	C-12	5
5315-01-033-8873	11826068-1	19200	C-7	4
5360-01-033-8884	11826131	19200	C-15	2
5360-01-033-8885	11826069	19200	C-8	2
1005-01-033-9410	11826040	19200	C-8	3
5315-01-034-1580	11826137	19200	C-14	7
5315-01-034-1583	11826250	19200	C-10	13
1055-01-034-1617	11826153	19200	C-14	2
5360-01-034-1639	11826158	19200	C-14	10
1005-01-034-4113	11826232-2	19200	C-10	3
5360-01-034-4114	11826189	19200	C-13	1
5360-01-034-4115	11826155	19200	C-14	4
1005-01-034-6503	11825997	19200	C-2	7
5315-01-035-0827	11826277	19200	C-1	4
1005-01-035-0829	11826024	19200	C-1	8
5360-01-035-0838	11826182	19200	C-13	2
5305-01-035-2479	11826120	19200	C-14	21
1005-01-036-7160	11825992	19200	C-2	9
5315-01-037-5586	11826054	19200	C-7	3
4933-01-038-7179	11826076	19200	C-19	1
4933-01-038-7183	11826077	19200	C-19	5
4933-01-043-8211	11826299	19200	C-19	2
4933-01-043-8212	11826274	19200	C-19	3
4933-01-043-9450	11826304	19200	C-19	4
1005-01-044-1026	11825985	19200	C-1	1
			C-2	10

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## NATIONAL STOCK NUMBER

NSN	PART NO.	CAGEC	FIGURE	ITEM NO.
5210-01-082-1714	11826298	19200	C-19	7
5220-01-082-5564	11826276	19200	C-19	6
1005-01-090-8050	11826039	19200	C-12	6
5315-01-090-8051	11826018	19200	C-12	1
1005-01-090-8120	11826023	19200	C-12	12
1005-01-090-8121	11826035	19200	C-12	11
3040-01-091-0682	11826017	19200	C-12	3
1005-01-091-0683	11826020	19200	C-1	3
3120-01-127-8980	11826042	19200	C-9	2
5360-01-133-8874	11826046	19200	C-9	3
4720-01-156-0549	9439046	11862	BULK	1
5315-01-158-7862	11826047	19200	C-9	4
5306-01-192-0677	MS9286-24	96906	C-10	10
1005-01-251-9687	12597039	19200	C-3	5
5360-01-251-9688	12597042	19200	C-3	4
1005-01-251-9689	12597055	19200	C-14	16
1005-01-251-9690	12597048	19200	C-16	3
1005-01-251-9691	12597047	19200	C-16	1
1005-01-251-9692	12597057	19200	C-1	6
1005-01-251-9693	12597066	19200	C-5	13
1005-01-251-9694	12597063	19200	C-5	16
5340-01-251-9695	12597062	19200	C-5	9
1005-01-251-9696	12597071	19200	C-10	7
1005-01-251-9697	12597076	19200	C-11	2
1005-01-251-9698	12597073	19200	C-11	1
5360-01-251-9699	12597051	19200	C-17	3
1005-01-251-9700	12597050	19200	C-17	2
1005-01-251-9701	12597035	19200	C-1	1
			C-2	1
5315-01-251-9722	12597056	19200	C-14	18
5315-01-251-9723	12597052	19200	C-17	1
5360-01-251-9724	12597054	19200	C-14	17
5360-01-251-9725	12597069	19200	C-5	14
5360-01-251-9726	12597077	19200	C-11	3
5340-01-251-9729	12597041	19200	C-3	3
5305-01-251-9731	12597043	19200	C-2	12
5310-01-251-9734	12597078	19200	C-11	6
5305-01-251-9738	12597053	19200	C-16	2
5355-01-251-9755	12597045	19200	C-14	12
1005-01-253-6088	12597079	19200	C-19	8
1005-01-255-4232	12597040-2	19200	C-3	2
1005-01-255-4233	12597040-1	19200	C-3	2
1005-01-257-9253	11826211	19200	C-1	6
5315-01-276-5877	MS39086-406	96906	C-14	9
1005-01-362-8732	11826038	19200	C-1	2
1005-01-394-1928	12597070	19200	C-1	9
1030-01-408-3578	12976830	19200	C-2	17
1005-01-408-3585	12976819	19200	C-2	18
1035-01-408-3590	12976820	19200	C-4	2
5310-01-408-3593	12976821	19200	C-4	3

## SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

CROSS REFERENCE INDEX  
NATIONAL STOCK NUMBER

NSN	PART NO.	CAGEC	FIGURE	ITEM NO.
1030-01-408-3594	12976861	19200	C-6	14
1030-01-408-3597	93013A3202	01365	C-6	1
5310-01-408-3628	93013A3204	01365	C-6	7
1005-01-408-4361	12976870	19200	C-10	18
1005-01-408-4600	12976877	19200	C-10	20
5305-01-408-4890	12976864	19200	C-6	11
1030-01-408-4891	93013A3201	01365	C-6	8
5305-01-408-4892	12976862	19200	C-6	10
5306-01-408-4953	12976880	19200	C-10	21
1005-01-408-5416	12976881	19200	C-10	22
1005-01-408-5417	12976863	19200	C-6	12
1005-01-408-5419	12976828	19200	C-2	20
1005-01-408-5435	12976848	19200	C-14	28
1005-01-408-5437	12976903	19200	C-18	2
1005-01-408-5438	12976901	19200	C-18	3
5365-01-408-5439	12976847	19200	C-14	30
1005-01-408-5897	12976818	19200	C-1	1
			C-2	16
1005-01-408-5901	12976851	19200	C-1	6
1005-01-408-5905	12976883	19200	C-14	32
5360-01-408-5998	12976849	19200	C-14	29
5360-01-408-6000	12976899	19200	C-18	5
1005-01-408-6002	12976884	19200	C-18	7
1005-01-408-6011	12976897	19200	C-2	14
			C-18	13
5315-01-408-6413	12976904	19200	C-18	6
1005-01-408-6669	12976869	19200	C-1	9
1005-01-408-6671	12976894	19200	C-18	12
5360-01-408-6675	12976905	19200	C-18	11
5315-01-408-6676	12976898	19200	C-18	4
1005-01-408-6678	12976902	19200	C-18	14
5365-01-408-9050	12976906	19200	C-18	8
5310-01-408-9052	12976908	19200	C-18	10
5310-01-408-9456	12976907	19200	C-18	9
5315-01-409-0136	12976850	19200	C-14	27
5315-01-409-0142	12976829	19200	C-2	21
1005-01-409-0143	12976835	19200	C-14	8
1005-01-409-0144	12976882	19200	C-10	19
1005-01-410-8498	12976875	19200	C-10	16
1005-01-410-8544	12976874	19200	C-10	15
1005-01-410-9126	12976937	19200	C-6	13
5360-01-410-9257	12976827	19200	C-2	19
1005-01-413-6992	12976867	19200	C-7	5
1005-01-429-0423	12976840	19200	C-14	31
1005-01-431-0664	12976831	19200	C-2	15
5315-01-435-8728	12976846	19200	C-14	22
5340-01-440-3809	12976845	19200	C-14	25
5360-01-440-4914	12976844	19200	C-14	24
1005-01-440-8010	11826230	19200	C-1	9
1005-01-441-3115	12977101	19200	C-1	2
1005-01-441-4163	11826165	19200	C-1	2
1005-01-441-5758	12976843	19200	C-14	23
5360-13-110-9364	11826062	19200	C-8	6

## SECTION II

ARMY TM 9-1005-313-23&P  
MARINE CORPS TM 08670A/09712A-23&P/2B

CROSS REFERENCE INDEX  
PART NUMBER

PART NO	NSN	CAGEC	FIGURE	ITEM NO.
MS9226-04	9505-00-995-3177	96906	C-4	4
			BULK	2
MS9286-24	5306-01-192-0677	96906	C-10	10
MS15795-814B	5310-00-036-6770	96906	C-10	11
MS16562-106	5315-00-058-6044	96906	C-14	6
MS16562-122	5315-00-710-2735	96906	C-2	4
MS21083C5	5310-00-020-3260	96906	C-11	5
MS21083-C6	5310-00-956-4549	96906	C-10	4
MS24665-437	5315-00-849-5579	96906	C-14	3
MS39086-80	5315-00-812-1006	96906	C-5	15
MS39086-147	5315-00-832-4132	96906	C-5	8
			C-6	9
MS39086-205	5315-00-836-0643	96906	C-14	1
MS39086-406	5315-01-276-5877	96906	C14	9
MS51923-97	5315-01-030-9214	96906	C-3	1
MS171475	5315-00-806-0213	96906	C-5	12
			C-26	17
11825982		19200	C-13	3
11825985	1005-01-044-1026	19200	C-1	1
			C-2	10
11825986		19200	C-2	3
11825992	1005-01-036-7160	19200	C-2	9
11825997	1005-01-034-6503	19200	C2	7
11825999	5340-01-032-8146	19200	C2	5
11826001	1005-01-033-3900	19200	C-2	6
11826002	1005-01-032-8152	19200	C-2	2
11826003	1005-01-033-3899	19200	C-2	8
11826006	1005-01-032-8143	19200	C-1	3
11826017	3040-01-091-0682	19200	C-12	3
11826018	5315-01-090-8051	19200	C-12	1
11826020	1005-01-091-0683	19200	C-1	3
11826022		19200	C-12	10
11826023	1005-01-090-8120	19200	C-12	12
11826024	1005-01-035-0829	19200	C-1	8
11826035	1005-01-090-8121	19200	C-12	11
11826038	1005-01-362-8732	19200	C-1	2
11826039	1005-01-090-8050	19200	C-12	6
11826040	1005-01-033-9410	19200	C-8	3
11826041		19200	C-9	1
11826042	3120-01-127-8980	19200	C-9	2
11826046	5360-01-133-8874	19200	C-9	3
11826047	5315-01-158-7862	19200	C-9	4
11826054	5315-01-037-5586	19200	C-7	3
11826057		19200	C-7	1
11826059	4933-01-033-1503	19200	C-19	9
11826060	1005-01-033-4538	19200	C-8	5
11826061	1005-01-032-8142	19200	C-8	7
11826062	5360-13-110-9364	19200	C-8	6
11826065	1005-01-033-1523	19200	C-7	2
11826067	1005-01-033-1525	19200	C-8	1
11826068-1	5315-01-033-8873	19200	C-7	4
11826068-2	5315-01-033-3889	19200	C-14	5
11826068-3	5315-01-033-3887	19200	C-8	4

## CROSS REFERENCE INDEX

## PART NUMBER (cont)

PART NO	NSN	CAGEC	FIGURE	ITEM NO.
11826069	5360-01-033-8885	19200	C-8	2
11826070	19200		C-1	7
11826072	1005-01-033-3901	19200	C-7	5
11826076	4933-01-038-7179	19200	C-19	1
11826077	4933-01-038-7183	19200	C-19	5
11826080		19200	C-14	26
11826120	5305-01-035-2479	19200	C-14	21
11826121	5310-01-033-8380	19200	C-14	20
11826122	5340-01-033-1484	19200	C-14	19
11826124	5340-01-033-8325	19200	C-15	3
11826130	5315-01-033-3885	19200	C-15	4
11826131	5360-01-033-8884	19200	C-15	2
11826135	1005-01-033-3629	19200	C-14	8
11826137	5315-01-034-1580	19200	C-14	7
11826145	1005-01-032-8145	19200	C-14	14
11826152		19200	C-5	1
11826153	1055-01-034-1617	19200	C-14	2
11826155	5360-01-034-4115	19200	C-14	4
11826156	5340-01-033-3910	19200	C-14	11
11826158	5360-01-034-1639	19200	C-14	10
11826160	5315-01-033-3888	19200	C-1	10
11826165	1005-01-441-4163	19200	C-1	2
11826166		19200	C-12	10
11826177	3040-01-033-1501	19200	C-12	3
11826182	5360-01-035-0838	19200	C-13	2
11826189	5360-01-034-4114	19200	C-13	1
11826191		19200	C-13	3
11826192		19200	C-1	5
11826200	5325-01-033-3927	19200	C-12	2
11826201	5360-01-033-8385	19200	C-12	4
11826202	5315-01-033-8872	19200	C-12	5
11826203	5340-01-033-6598	19200	C-12	8
11826204	5340-01-033-6597	19200	C-12	7
11826205	5315-01-033-3898	19200	C-12	1
11826206	5340-01-032-8148	19200	C-12	9
11826207	1005-01-033-1516	19200	C-12	11
11826208	1005-01-032-8154	19200	C-12	12
11826209	1005-01-033-3897	19200	C-12	6
11826211	1005-01-257-9253	19200	C-1	6
11826213	5340-01-032-8147	19200	C-5	9
11826214	5360-01-033-3926	19200	C-5	10
			C-6	15
11826215	5340-01-033-3909	19200	C-5	11
			C-6	16
11826216	5315-01-033-3886	19200	C-5	2
			C-6	18
11826218	1005-01-033-1505	19200	C-5	3
			C-6	2
11826219	1005-01-032-8149	19200	C-5	4
			C-6	3



## CROSS REFERENCE INDEX

PART NO	NSN	PART NUMBER	CAGEC	FIGURE	ITEM NO.
11826220	1005-01-032-8150		19200	C-5	5
				C-6	4
11826221	5310-01-033-3851		19200	C-5	7
				C-6	6
11826222	5365-01-033-3931		19200	C-5	6
				C-6	5
11826230	1005-01-440-8010		19200	C-1	9
11826231			19200	C-10	6
11826232-1	1005-01-033-1528		19200	C-10	9
11826232-2	1005-01-034-4113		19200	C-10	3
11826234	1005-01-033-1502		19200	C-10	5
11826240	1005-01-033-1526		19200	C-10	1
11826250	5315-01-034-1583		19200	C-10	13
11826253	1005-01-033-1524		19200	C-10	2
11826254	5360-01-033-1535		19200	C-10	14
11826255	5315-01-033-3890		19200	C-10	12
11826258	1005-01-033-8328		19200	C-10	8
11826274	4933-01-043-8212		19200	C-19	3
11826276	5220-01-082-5564		19200	C-19	6
11826277	5315-01-035-0827		19200	C-1	4
11826298	5210-01-082-1714		19200	C-19	7
11826299	4933-01-043-8211		19200	C-19	2
11826304	4933-01-043-9450		19200	C-19	4
12597035	1005-01-251-9701		19200	C-1	1
				C-2	1
12597036			19200	C-2	13
12597038			19200	C2	11
12597039	1005-01-251-9687		19200	C-3	5
12597040-1	1005-01-255-4233		19200	C-3	2
12597040-2	1005-01-255-4232		19200	C-3	2
12597041	5340-01-251-9729		19200	C-3	3
12597042	5360-01-251-9688		19200	C-3	4
12597043	5305-01-251-9731		19200	C-2	12
12597044			19200	C-1	5
12597045	5355-01-251-9755		19200	C-14	12
12597046			19200	C-14	15
12597047	1005-01-251-9691		19200	C-16	1
12597048	1005-01-251-9690		19200	C-16	3
12597049			19200	C-17	4
12597050	1005-01-251-9700		19200	C-17	2
12597051	5360-01-251-9699		19200	C-17	3
12597052	5315-01-251-9723		19200	C-17	1
12597053	5305-01-251-9738		19200	C-16	2
12597054	5360-01-251-9724		19200	C-14	17
12597055	1005-01-251-9689		19200	C-14	16
12597056	5315-01-251-9722		19200	C-14	18
12597057	1005-01-251-9692		19200	C-1	6
12597058			19200	C-5	1
12597062	5340-01-251-9695		19200	C-5	9
12597063	1005-01-251-9694		19200	C-5	16
12597066	1005-01-251-9693		19200	C-5	13
12597069	5360-01-251-9725		19200	C-5	14

## CROSS REFERENCE INDEX

## PART NUMBER (cont)

PART NO	NSN	CAGEC	FIGURE	ITEM NO.
12597070	1005-01-394-1923	19200	C-1	9
12597071	1005-01-251-9696	19200	C-10	7
12597072		19200	C-11	4
12597073	1005-01-251-9698	19200	C-11	1
12597076	1005-01-251-9697	19200	C-11	2
12597077	5360-01-251-9726	19200	C-11	3
12597078	5310-01-251-9734	19200	C-11	6
12597079	1005-01-253-6088	19200	C-19	8
12976817		19200	C-1	1
12976818	1005-01-408-5897	19200	C-1	1
			C-2	16
12976819	1005-01-408-3585	19200	C-2	18
12976820	1035-01-408-3590	19200	C-4	2
12976821	5310-01-408-3593	19200	C-4	3
12976823		19200	C-4	1
12976827	5360-01-410-9257	19200	C-2	19
12976828	1005-01-408-5419	19200	C-2	20
12976829	5315-01-409-0142	19200	C-2	21
12976830	1030-01-408-3578	19200	C-2	17
12976831	1005-01-431-0664	19200	C-2	15
12976834		19200	C-1	5
12976835	1005-01-409-0143	19200	C-14	8
12976840	1005-01-429-0423	19200	C-14	31
12976843	1005-01-441-5758	19200	C-14	23
12976844	5360-01-440-4914	19200	C-14	24
12976845	5340-01-440-3809	19200	C-14	25
12976846	5315-01-435-8728	19200	C-14	22
12976847	5365-01-408-5439	19200	C-14	30
12976848	1005-01-408-5435	19200	C-14	28
12976849	5360-01-408-5998	19200	C-14	29
12976850	5315-01-409-0136	19200	C-14	27
12976851	1005-01-408-5901	19200	C-1	6
12976858		19200	C-6	1
12976861	1030-01-408-3594	19200	C-6	14
12976862	5305-01-408-4892	19200	C-6	10
12976863	1005-01-408-5417	19200	C-6	12
12976864	5305-01-408-4890	19200	C-6	11
12976866		19200	C-1	7
12976867	1005-01-413-6992	19200	C-7	5
12976869	1005-01-408-6669	19200	C-1	9
12976870	1005-01-408-4361	19200	C-10	18
12976874	1005-01-410-8544	19200	C-10	15
12976875	1005-01-410-8498	19200	C-10	16
12976876		19200	C-10	17
12976877	1005-01-408-4600	19200	C-10	20
12976880	5306-01-408-4953	19200	C-10	21
12976881	1005-01-408-5416	19200	C-10	22
12976882	1005-01-409-0144	19200	C-10	19
12976883	1005-01-408-5905	19200	C-14	32
12976884	1005-01-408-6002	19200	C-18	7

## CROSS REFERENCE INDEX

## PART NUMBER

PART NO	NSN	CAGEC	FIGURE	ITEM NO.
12976894	1005-01-408-6671	19200	C-18	12
12976897	1005-01-408-6011	19200	C-18	13
			C-2	14
12976898	5315-01-408-6676	19200	C-18	4
12976899	5360-01-408-6000	19200	C-18	5
12976900		19200	C-18	1
12976901	1005-01-408-5438	19200	C-18	3
12976902	1005-01-408-6678	19200	C-18	14
12976903	1005-01-408-5437	19200	C-18	2
12976904	5315-01-408-6413	19200	C-18	6
12976905	5360-01-408-6675	19200	C-18	11
12976906	5365-01-408-9050	19200	C-18	8
12976907	5310-01-408-9456	19200	C-18	9
12976908	5310-01-408-9052	19200	C-18	10
12976937	1005-01-410-9126	19200	C-6	13
12977101	1005-01-441-3115	19200	C-1	2
12977102		19200	C-12	10
590479	5315-00-181-6984	21450	C-14	13
5009369	1005-00-918-2617	19200	C-5	21
5009394	5305-00-500-9394	19204	C-5	18
5152854	5315-00-515-2854	19204	C-5	17
6008937	5340-00-600-8937	19204	C-5	19
7265561	1005-00-726-5561	19204	C-5	22
7312517	5315-00-731-2517	19204	C-5	20
93013A2000		01365	C-1	5
93013A3201	1030-01-408-4891	01365	C-6	8
93013A3202	1030-01-408-3597	01365	C-6	1
93013A3204	5310-01-408-3628	01365	C-6	7
9439046	4720-01-156-0549	11862	BULK	1

APPENDIX D  
EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST

---

Section I. INTRODUCTION

**D-1. SCOPE.** This appendix lists expendable/ durable supplies and materials you will need to operate and maintain the machine gun. This listing is for informational purposes only and is not authority to requisition the listed items. These items are authorized to you by CTA 50-970, Expendable/durable Items (Except Medical, Class V, Repair Parts, and Heraldic Items), or CTA 8-100, Army Medical Department Expendable/ Durable Items.

**D-2. EXPLANATION OF COLUMNS.**

- a. *Column (1), Item Number.* This number is assigned to the entry in the listing and is referenced in the narrative instructions to identify the material, e.g., "Use solvent cleaning compound (item 5, app C)".
- b. *Column (2), Level.* This column identifies the lowest level of maintenance that requires the listed item.

C - Operator/Crew  
0 - Unit Maintenance  
F - Intermediate Direct Support Maintenance

- c. *Column (3), National Stock Number.* This is the National stock number assigned to the item; use it to request or requisition the item.
- d. *Column (4), Description.* Indicates the Federal item name and, if required, a description to identify the item. The last line for each item indicates the Contractor and Government Entity Code (CAGEC) in parentheses followed by the part number.
- e. *Column (5), Unit of Measure (U/M).* Indicates the measure used in performing the actual maintenance function. This measure is expressed by a two digit character alphabetical abbreviation (e.g., ea, in., pr). If the unit of measure differs from the unit of issue, requisition the lowest unit of issue that will satisfy your requirements.

**Section II. EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST**

(1) ITEM NUMBER	(2) LEVEL	(3) NATIONAL STOCK NUMBER	(4) DESCRIPTION	(5) (U/M)
			<p style="text-align: center;"><b>NOTE</b></p> <p><b>CLP is an alternative to LSA and LAW. Do not mix lubricants on the same weapon. The weapon must be thoroughly cleaned with dry cleaning solvent before changing lubricants.</b></p>	
1	O	9150-01-054-6453 9150-01-053-6688	CLEANER, LUBRICANT AND PRESERVATIVE: grade 2 (CLP) (81349) MIL-P-63460 (27412) CLP-7 1 pint bottle 1 gal bottle	PT GL
2	O	6850-00-224-6657 6850-00-224-6663	CLEANING COMPOUND, SOLVENT: rifle bore cleaner (RBC) (81349) MIL-C-372 8 oz can 1 gal can	OZ GL
3	O	5350-00-221-0872	CLOTH, ABRASIVE, CROCUS (81348) P-C-458 50 sheet package	SH
4	O	6850-00-281-1985	DRY CLEANING SOLVENT (02978) A-A-711 1 gal can	GL
5	O	9150-00-168-2000	LUBRICANT, SOLID FILM (81349) MIL-L-46147 16 oz aerosol can	OZ
6	O	9150-00-231-6689 9150-00-231-9062	LUBRICATING OIL, P-9 (81348) VV-L-800 1 qt can 5 gal can	QT GL
7	C	9150-00-292-9689	LUBRICATING OIL, WEAPONS (LAW) (81349) MIL-L-14107 1 qt can	QT
			<b>D-2</b>	

**ARMY TM 9-1005-313-23&P**  
**MARINE CORPS TM 08670A/09712A-23&P/2B**

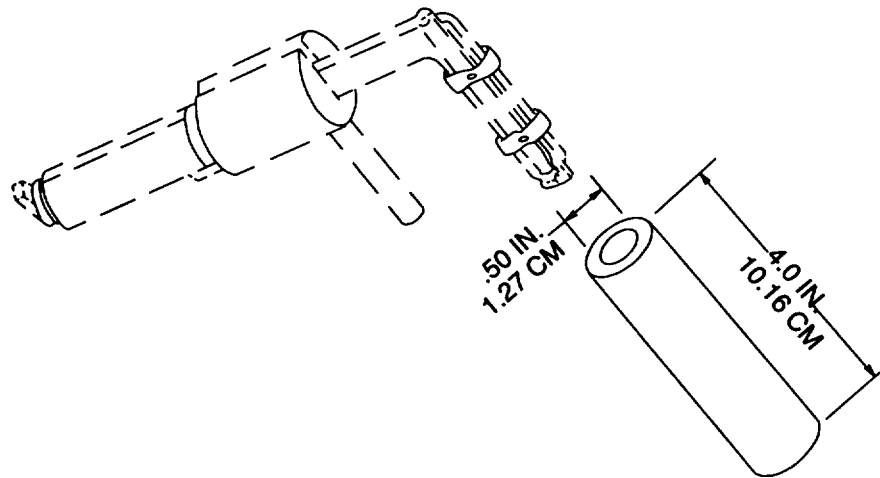
(1) ITEM NUMBER	(2) LEVEL	(3) NATIONAL STOCK NUMBER	(4) DESCRIPTION	(5) (U/M)
8	O	9150-00-753-4686	LUBRICATING OIL, WEAPONS, (LSA) (81349) MIL-L-46000 1 gal can	GL
9	C O	9150-00-949-0323 9150-01-109-7793	LUBRICATING OIL, WEAPONS (LSA-T) (81349) MIL-L-46150 8 oz tube 16 oz can (Marine Corps only)	EA LB
10	C	7920-00-2205-1711	RAG, WIPING (58536) A-A-531 50 lb bale	LB
11	O	8030-01-088-8140	SEALING COMPOUND (81349) MIL-S-46163	
12	O	7930-00-965-4868	SOAP, LAUNDRY (81348) P-S-591 120 bars to box	EA
D-3/D-4(blank)				

APPENDIX E  
ILLUSTRATED LIST OF MANUFACTURED ITEMS

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**E-1. INTRODUCTION.**

- a. This appendix includes complete instructions for making items authorized to be manufactured or fabricated at the unit or intermediate direct support level.
- b. All bulk materials needed for manufacture of an item are listed by part number, NSN, or specification number in a tabular list on the illustration.



MATERIAL BLOCK  
HEATER HOSE OR EQUIVALENT

- NOTES:**
1. FABRICATE FROM HEATER HOSE OR EQUIVALENT.
  2. INTERNAL DIAMETER .50 IN. (1.27 CM); EXTERNAL LENGTH 4.0 IN. (10.16 CM)

E-1/(E-2 blank)

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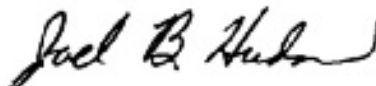
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By Order of the Secretary of the Army and Commandant of the Marine Corps:

DENNIS J. REIMER  
*General, United States Army*  
*Chief of Staff*

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Marine Corps Systems Command

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### APPROXIMATE CONVERSION FACTORS

TO CHANGE ..... TO ..... MULTIPLY BY

Inches .....	Centimeters .....	2.540
Feet .....	Meters .....	0.305
Yards .....	Meters .....	0.914
Miles .....	Kilometers .....	1.609
Square Inches .....	Square Centimeters .....	6.451
Square Feet .....	Square Meters .....	0.093
Square Yards .....	Square Meters .....	0.836
Square Miles .....	Square Kilometers .....	2.590
Acres .....	Square Hectometers .....	0.405
Cubic Feet .....	Cubic Meters .....	0.028
Cubic Yards .....	Cubic Meters .....	0.765
Fluid Ounces .....	Milliliters .....	29.573
Pints .....	Liters .....	0.473
Quarts .....	Liters .....	0.946
Gallons .....	Liters .....	3.785
Ounces .....	Grams .....	28.349
Pounds .....	Kilograms .....	0.454
Short Tons .....	Metric Tons .....	0.907
Pound-Feet .....	Newton-Meters .....	1.356
Pounds per Square Inch .....	Kilopascals .....	6.895
Miles per Gallon .....	Kilometers per Liter .....	0.425
Miles per Hour .....	Kilometers per Hour .....	1.609
Centimeters .....	Inches .....	0.394
Meters .....	Feet .....	3.280
Meters .....	Yards .....	1.094
Kilometers .....	Miles .....	0.621
Square Centimeters .....	Square Inches .....	0.155
Square Meters .....	Square Feet .....	10.764
Square Meters .....	Square Yards .....	1.196
Square Kilometers .....	Square Miles .....	0.386
Square Hectometers .....	Acres .....	2.471
Cubic Meters .....	Cubic Feet .....	35.315
Cubic Meters .....	Cubic Yards .....	1.308
Milliliters .....	Fluid Ounces .....	0.034
Liters .....	Pints .....	2.113
Liters .....	Quarts .....	1.057
Liters .....	Gallons .....	2.264
Grams .....	Ounces .....	0.035
Kilograms .....	Pounds .....	2.205
Metric Tons .....	Short Tons .....	1.102
Newton-Meters .....	Pound-Feet .....	0.738
Kilopascals .....	Pounds per Square Inch .....	0.145
Kilometers per Liter .....	Miles per Gallon .....	2.354
Kilometers per Hour .....	Miles per Hour .....	0.621

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