

TM9-1005-222-12

Chapter 4

**MAINTENANCE OF MATERIEL USED
IN CONJUNCTION WITH MAJOR ITEM**

4-1. General

Refer to table 4-1.

Table 4-1. Maintenance of Equipment

Item	Maintenance function	
	Operator's maintenance	Organizational maintenance
Grenade Launcher, M7A3	Remove/install (fig. 31). Clean/lubricate.	Repair/replace. Refer to TM 9-1005-234-14P for authorized parts.
Grenade Launcher Sight, M15	Remove/install (fig. 31). Clean/lubricate.	Repair/replace. Refer to TM 9-1005-234-14P for authorized parts.
Bayonet-Knife, M5 and M5A1	Remove/install (fig 31). Clean/lubricate.	Repair/replace. Refer to TM 9-1005-237-15P for authorized parts.
Scabbard, M8A1	Clean.	Repair/replace. Refer to TM 9-1005-237-15P for authorized parts.
Winter trigger kit	Clean/lubricate.	Repair/replace. Adjust trigger bar. Refer to appendix B for authorized parts.

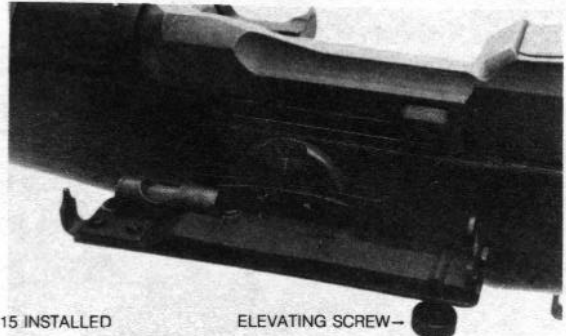
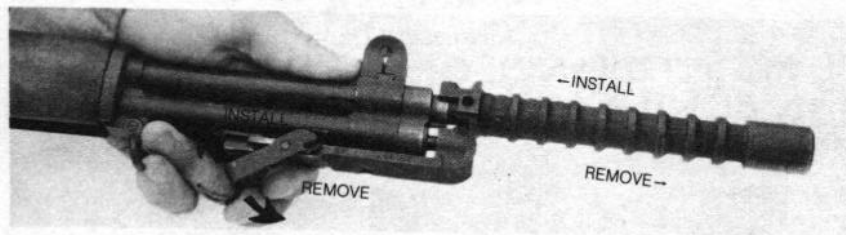
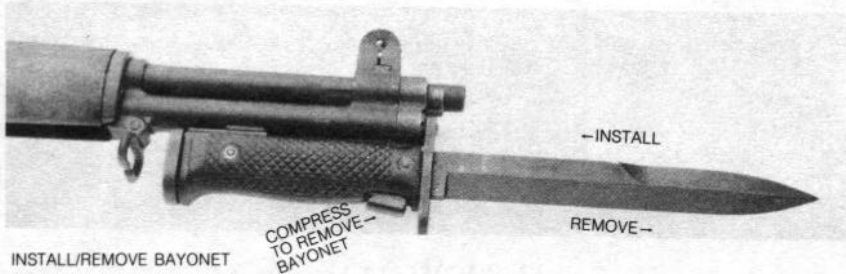


Figure 31. Materiel used in conjunction with major items.

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Chapter 5
AMMUNITION

Ammunition is loaded into 8 round clips, which are inserted, en bloc, into the magazine. (see fig. 32).

5-1. Types

Refer to SC 1305/30 IL for identification of various types of ammunition.

5-2. Care, handling, Preservation, and Destruction

Refer to TM 9-1300-206.

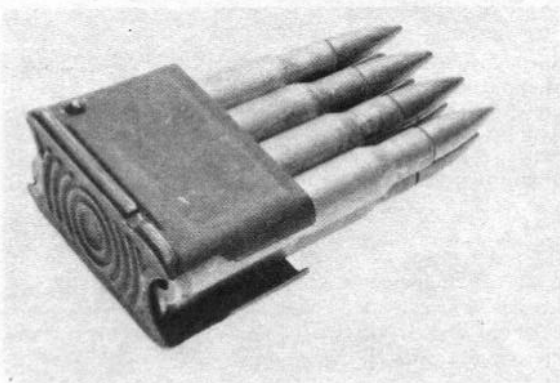


Figure 32. Cartridges and clip.

TM9-1005-222-12
Chapter 6
DESTRUCTION OF MATERIEL TO PREVENT
ENEMY USE

6-1. General

a. Destruction of the rifle when subject to capture or abandonment in the combat zone, will be undertaken only when in the judgment of the commander concerned such action is necessary. If destruction is resorted to, the equipment must be so badly damaged that it cannot be restored to a usable condition in the combat zone either by repair or cannibalization. The reporting of the destruction of equipment is to be through regular channels.

b. Priorities for destruction of repair parts are:

- (1) Firing pin
- (2) Extractor
- (3) Ejector
- (4) Hammer spring
- (5) Tigger
- (6) Safety

Appendix A REFERENCES

A-1. Publication Indexes

Consult the following publication indexes frequently for the latest changes or revisions of references and for new publications relating to material covered in this manual.

Index of Administrative Publications	DA Pam 310-1
Index or Army Films, Transparencies, GTA Charts, and Recordings	DA Pam 108-1
Index of Blank Forms	DA Pam 310-2
Index of Doctrinal, Training and Organizational Publications	DA Pam 310-3
U.S. Army Equipment Index of Modification Work Orders	DA Pam 310-7
Index of Supply Catalogs and Supply Manuals (excluding types 7, 8 and 9)	DA Pam 310-6
Index of Technical Manuals, Technical Bulletins, Supply manuals (types 7, 8 and 9) Supply Bulletins, and Lubrication Orders	DA Pam 310-4

A-2. Forms

DA Form 2028, Recommended Changes to DA Publications
DA Form 2407, Maintenance Request
DD Form 6, Report of Damaged or Improper Shipment
DA Form 9-79, Parts Requisition

A-3. Other Publications

The following explanatory publications pertain to this material.

a. General

Accident Reporting and Records	AR385-40
Administrative Storage of Equipment	TM 740-90-1
Army Equipment Record Procedures	TM 38-750
Authorized Abbreviations and Brevity Codes	AR 320-50
Dictionary of United States Army Terms	AR 320-5
Military Symbols	FM 21-30

b. Ammunition.

Ammunition, General	TM 9-1900
Care, Handling, Preservation, and Destruction of Ammunition	TM 9-1300-206
Disposal of Supplies and Equipment: Ammunition	AR 755-140-1
Explosives and Demolitions	FM 5-25
Malfunctions Involving Ammunition and Explosives	AR 700-1300-8

c. Inspection and Maintenance.

Cleaning of Ordinance Materiel	TM 9-208-1
Grenades and Pyrotechnics	FM 23-30
Operator, Organizational, DS and GS Maintenance Repair Parts and Special Tool Lists for Launchers, Grenade, M7A3 and M76	TM 9-1005-234-14P
Organizational, DS, GS and Deposit Maintenance Repair Parts and Special Tools List: Bayonet-Knife, M4, M5, M5A1, M6 and M7, and Bayonet- Knife Scabbard M8A1	TM 9-1005-237-15P
U.S. Rifle Caliber .30, M1	FM 23-5

d. Training.

Military Training Management	FM 21-5
Techniques of Military Instruction	FM 21-6

Appendix B

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

Section I. INTRODUCTION

B-1. Scope

This appendix lists basic issue items, repair parts, and special tools required for the performance of organizational maintenance of the Rifles M1, MIC (Sniper's) and M1D (Sniper's).

B-2. General

The Basic Issue Items, Repair Parts, and Special Tools List is divided into the following sections:

a. Basic Issue Items List-Section II. A list of items which accompany the rifle and are required by the operator/crew for installation, operation, or maintenance.

b. Maintenance and Operating Supplies-Section III. A listing of maintenance and operating supplies required for initial operation.

c. Prescribed Load Allowance (PLA)-Section IV. A composite listing of repair parts, special tools, test and support equipment having quantitative allowances for initial stockage at the organizational level.

d. Repair Parts-Section V. A list of repair parts authorized for the performance of maintenance at the organizational level in figure and item number sequence.

e. Special Tools, Test and Support Equipment-Section VI. A list of special tools, test and support equipment authorized for the performance of maintenance at the organizational level.

f. Federal Stock Number and Reference Number Index-Section VII. A list of Federal stock numbers in ascending numerical sequence, followed by a list of reference numbers, appearing in all the listings, in ascending alpha-numeric sequence, cross-referenced to the illustration figure number and item number.

B-3. Explanation of Columns

The following provides an explanation of columns in the tabular lists in Sections II through VI.

a. Source, Maintenance, and Recoverability Codes (SMR).

(1) **Source Code.** Indicates the selection status and source for the listed item. Source codes used are:

Code	Explanation
P	Repair parts which are stocked in or supplied from the GSA/DSA, or Army supply system, and authorized for use at indicated maintenance categories.
P2	Repair parts which are procured and stocked for insurance purposes because the combat or military essentiality of the end item dictates that a minimum quantity be available in the supply system.
M	Repair parts which are not procured or stocked but are to be manufactured in indicated maintenance levels.
A	Assemblies which are not procured or stocked as such but are made up of two or more units. Such component units carry individual FSN's and descriptions, are procured and stocked separately and can be assembled to form the required assembly at indicated maintenance categories.
X	Parts and assemblies which are not procured or stocked and the mortality of which is normally below that of the applicable end item or component. The failure of such part or assembly should result in retirement of the end item from the supply system.
X1	Repair parts which are not procured or stocked. The requirement for such items will be filled by use of the next higher assembly or component.

- X2 Repair parts which are not stocked. The indicated maintenance category requiring such repair parts will attempt to obtain through cannibalization; if not obtainable through cannibalization, such repair parts will be requisitioned with supporting justification through normal supply channels.
- G Major assemblies that are procured with PEMA funds for issue initial only to be used as exchange assemblies at DSU and GSU level. These assemblies will not be stocked above DSU and GSU level or returned to Depot supply level.

(2) Maintenance Code. Indicates the lowest category of maintenance authorized to install the item. The maintenance level codes are:

Code	Explanation
C	Crew or operator
O	Organizational
F	Direct Support
H	General Support
D	Depot

(3) Recoverability Code. Indicates whether unserviceable items should be returned for recovery or salvage. Items not coded are expendable. The recoverability code is.

Code	Explanation
R	Repair parts and assemblies which are economically repairable at DSU and GSU activities and are normally furnished by supply on an exchange basis.
S	Repair parts and assemblies which are economically repairable at DSU and GSU activities and normally are furnished by supply on an exchange basis. When items are determined by a GSU to be uneconomically repairable, they will be evacuated to a depot for evaluation and analysis before final disposition.
T	High dollar value recoverable repair parts which are subject to special handling and are issued on an exchange basis. Such repair parts are normally repaired or overhauled at depot maintenance activities.
U	Repair parts specifically selected for salvage by reclamation units because of precious metal content, critical materials, high dollar value reusable casings, or castings.

No Code indicated-Part will be considered expendable.

b. Federal Stock Number. Indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.

c. Description. Indicates the Federal item name and any additional description of the item required. The abbreviation "w/e" when used as a part of the nomenclature, indicates the Federal stock number includes all armament, equipment, accessories, and repair parts issued with the item. A part number or other reference number is followed by the applicable five-digit Federal supply code for manufacturers in parentheses.

d. Unit of Measure (U/M). A 2 character alphabetic abbreviation indicating the amount or quantity of the item upon which the allowances are based, e.g., ft, ea, pr, etc.

e. Quantity Incorporated in Unit. Indicates the quantity of the item used in the functional group or assembly. A "V" appearing in this column in lieu of a quantity indicates that a definite quantity cannot be indicated (e.g., shims, spacers, etc.).

f. Quantity Furnished with Equipment. Indicates the quantity of an item furnished with the equipment (BIIL only).

g. Component Application. Identifies the component application of each maintenance or operating supply item (M&O supplies only).

k. 15-Day Organizational Maintenance Allowances.

(1) The allowance columns are divided into four subcolumns. Indicated in each sub-column opposite the first appearance of each item is the total quantity of items authorized for the number of equipments supported. Subsequent appearances of the same item will have the letters "REF" in the allowance columns. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

(2) The quantitative allowances for organizational level of maintenance represents one initial prescribed load for a 15-day period for the number of equipments supported. Units and organizations authorized additional prescribed loads will multiply the number of prescribed loads authorized by the quantity of repair parts reflected in the appropriate density column to obtain the total quantity of repair parts authorized.

(3) Organizational units providing maintenance for more than 100 of these equipments shall determine the total quantity of parts required by converting the equipment quantity to a decimal factor by placing a decimal point before the next to last digit of the number to indicate hundredths, and multiplying the decimal factor by the parts quantity authorized in the 51-100 allowance column. Example, authorized allowance for 51-100 equipments is 12; for 140 equipments multiply 12 by 1.40 or 16.80 rounded off to 17 parts required.

(4) Subsequent changes to allowances will be limited as follows: No change in the range of items as follows: No change in the range of items is authorized. If additional items are considered necessary, recommendations should be forwarded to Commanding General, Headquarters, U.S. Army Weapons Command, ATTN: AMSWE-SMM-SA, Rock Island, Illinois 61201, for exception or revision to the allowance list. Revisions to the range of items authorized will be made by the U.S. Army Weapons Command based upon engineering experience, demand data, or TAERS information.

I. Illustration.

(1) **Figure Number.** Indicates the figure number of the illustration in which the item is shown.

(2) **Item Number.** Indicates the callout number used to reference the item in the illustration.

Note. Items called-out on illustration, but not listed, are for disassembly purposes only.

B-4. Special Information

Identification of the usable on codes of this publication are:

Code	Used on
No Code . . .	M1, M1C, and M1D
A	M1
B	M1C
C	M1D
D	M1 and M1C
E	M1 and M1D
F	M1C and M1D

B-5. How to Locate Repair Parts

a. When Federal stock number or reference number is unknown:

(1) **First.** Using the table of contents determine the functional group or assembly, within which the repair part belongs. This is necessary since illustrations are prepared for functional groups and assemblies, and listings are divided into the same groups.

(2) **Second.** Find the illustration covering the functional group or assembly to which the repair part belongs.

(3) **Third.** Identify the repair part on the illustration and note the illustration figure and item number of the repair part.

(4) **Fourth.** Using the Repair Parts Listing, find the functional group or assembly to which the repair part belongs and locate the illustration figure and item number noted in the illustration.

b. When Federal stock number or reference number is known:

(1) **First.** Using the Index of Federal Stock Numbers and Reference Numbers find the pertinent Federal stock number or reference number. This index is in ascending FSN sequence followed by a list of reference numbers in alpha-numeric sequence, cross-referenced to the illustration figure number and item number.

(2) **Second.** Using the Repair Part Listing, find the functional group or assembly of the repair part and the illustration figure number and item number referenced in the Index of Federal Stock Numbers and Reference Numbers.

B-6. Federal Supply Codes for Manufacturers

Code	Manufacturer
19200	Frankford Arsenal
19204	Rock Island Arsenal
19205	Springfield Armory

Section II. BASIC ISSUE ITEMS LIST

(2) Federal Stock No.	(3) Description Reference Number & Mfr. Code	(4) Unit of issue	(5) Qty. inc. in unit	(6) Qty. furn. with equip.	(7) Illustration	
					(a) Fig. No.	(b) Item No.
	RIFLES, CALIBER .30, M1, M1C (SNIPER'S) AND M1D (SNIPER'S) REPAIR PARTS: NONE AUTHORIZED TOOLS AND EQUIPMENT					
1005-556-4174	BRUSH, CLEANING, SMALL ARMS: BORE 5564174 (19205)	EA	--	1	33	1
1005-691-1381	BRUSH, CLEANING, SMALL ARMS: CHAMBER 7790582 (19205)	EA	--	1	33	2
1005-791-3377	CASE LUBRICANT: 7790995 (19205)	EA	--	1	33	7
1005-650-4510	CASE, SMALL ARMS CLEANING ROD: 7267754 (19204)	EA	--	1	33	6
1005-793-6761	HANDLE ASSEMBLY: CLEANING ROD: 7266115 (19204)	EA	--	1	33	3
1005-726-6109	ROD SECTION, CLEANING, SMALL ARMS: 7266109 (19205)	EA	--	4	33	4
1005-654-4058	SLING, SMALL ARMS: 6544058 (19205)	EA	--	1	34	
1005-726-6110	SWAB HOLDER SECTION, SMALL ARMS CLEANING ROD: 7266110 (19204)	EA	--	1	33	5

Section III. MAINTENANCE AND OPERATING SUPPLIES

(1) Component application	(2) Federal stock number	(3) Description
CALIBER .30 RIFLES M1, M1C (Sniper's) and M1D (Sniper's)	1005-288-3565	SWAB, SMALL ARMS CLEANING: COTTON 2½ sq (1,000 IN PKG) 5019316 (19204)

Section IV. PRESCRIBED LOAD ALLOWANCE

(1) Federal stock No.	(2) Description	(3) Qty. inc. in unit pack	(4) 15-day organizational maint. allowance			
			(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100
	REPAIR PARTS:					
1005-313-9441	SCREW	--	--	2	2	2
1005-501-3667	PIN, SHOULDER, HEADED	--	--	--	2	2
1005-554-6015	SAFETY, SMALL ARMS	--	--	--	2	2
1005-554-6018	EJECTOR	--	--	--	--	2
1005-554-6024	GUARD, HAND GUN	D	--	--	2	2
1005-554-6026	TRIGGER	--	--	--	--	2
1005-556-4245	GUARD, HAND GUN	--	--	2	2	2
1005-600-8616	EJECTOR, CARTRIDGE	--	--	--	2	2
1005-600-6818	PLUNGER, EXTRACTOR SPRING	--	--	2	2	2
1005-600-8868	APERTURE, SIGHT	--	--	2	2	2
1005-600-8879	PIN, FIRING	--	--	--	2	2
1005-600-8885	SPRING, HELICAL, COMPRESSION	--	--	--	2	2
1005-600-8887	SPRING, HELICAL, COMPRESSION	--	--	2	2	2
1005-600-8891	SWIVEL, STACKING	--	--	2	2	2
1005-614-7568	SPRING, HELICAL, COMPRESSION	--	--	--	2	2
1005-731-2556	GUARD, HAND, GUN	C	--	--	2	2
1005-731-2737	KNOB	--	--	2	2	2
1005-819-4501	PIN, TRIGGER	--	--	2	2	2
1005-953-9504	EXTRACTOR, CARTRIDGE	--	--	2	2	2
1005-999-3400	PINION	--	--	2	2	3
5305-501-3678	SCREW, MACHINE	--	--	--	2	2
5315-501-3668	PIN, STRAIGHT, HEADED	--	--	2	2	3
	TOOLS AND EQUIPMENT:					
1005-288-3565	SWAB, SMALL ARMS CLEANING	--	--	2	2	2
1005-556-4174	BRUSH, CLEANING, SMALL ARMS	--	--	2	3	6
1005-650-4510	CASE, SMALL ARMS CLEANING ROD	--	--	2	2	2
1005-654-4058	SLING, SMALL ARMS	--	--	2	2	3
1005-691-1381	BRUSH CLEANING, SMALL ARMS	--	--	2	2	3
1005-694-1662	BUFFER, CLEANING ROD	--	--	2	2	3
1005-726-6109	ROD SECTION, CLEANING, SMALL ARMS	--	--	2	2	2
1005-726-6110	SWAB HOLDER SECTION, SMALL ARMS CLEANING ROD	--	--	2	2	3
1005-791-3377	CASE, LUBRICANT	--	--	2	2	2
1005-793-6761	HANDLE ASSEMBLY	--	--	2	2	2
1240-763-1596	CASE, TELESCOPE	--	--	--	2	2

Section V. REPAIR PARTS LIST

(1) Source maint. recov. code			(2) Federal stock No.	(3) Description	(4) Unit of means	(5) Qty inc in unit	(6) 15 day organizational maintenance allow				(7) Illustration			
(a)	(b)	(c)		Reference Number & Mfr Code	Usable on Code		(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) Figure No.	(b) Item No.		
				REPAIR PARTS FOR:										
				RIFLES, CALIBER .30, M1, M1C (SNIPER'S) AND M1D (SNIPER'S)										
				TRIGGER HOUSING ASSEMBLY										
P	O	--	1005-819-4501	PIN, TRIGGER: 7791367 (19205)	EA	1	*	1	2	3	35	1		
P	O	--	1005-554-6026	TRIGGER: 5546026 (19205)	EA	1	*	*	*	2	35	2		
P	O	--	1005-600-8887	SPRING, HELICAL, COMPRESSION: 20 COILS, HAMMER 6008887 (19205)	EA	1	*	2	2	2	35	4		
P	O	--	5315-501-3668	PIN, STRAIGHT, HEADED: S, FL-FIL-HD, 0.187 MAX DIA SHANK, 3/4 NOM LG UNDER 5013668 (19204)	EA	1	*	2	2	3	B-2	*6		
P	O	--	1005-554-6015	SAFETY SMALL ARMS:	EA	1	*	*	2	2	35	8/8W		
P	O	--	1005-554-6018	EJECTOR: CLIP 5546018 (19205)	EA	1	*	*	*	2	35	10		
				BARREL AND RECEIVER GROUP:										
P	O	--	1005-614-7568	SPRING, HELICAL, COMPRESSION: 200 TOTAL COILS, OPERATING ROD 6147568 (19205)	EA	1	*	*	2	2	36	2		
A	--	--	-----	BOLT ASSEMBLY 5546023	--	--	--	--	--	--	36	4		
P	O	--	1005-953-9504	EXTRACTOR, CARTRIDGE:	EA	1	*	2	2	2	36	5		
P	O	--	1005-600-8616	EJECTOR, CARTRIDGE:	EA	1	*	*	2	2	36	6		
P	O	--	1005-600-8618	PLUNGER, EXTRACTOR SPRING: 6008618 (19205)	EA	1	*	2	2	2	36	7		
P	O	--	1005-600-8879	PIN, FIRING: BOLT ASSY 6008879 (19205)	EA	1	*	*	2	2	36	8		
P	O	--	1005-501-3667	PIN, SHOULDER, HEADED: FOLLOWER ARM 5013667 (19204)	EA	1	*	*	2	2	36	10		
P	O	--	1005-313-9441	SCREW: GAS CYLINDER LOCK 7267797 (19205)	EA	1	*	2	2	2	36	15		

Section VI. SPECIAL TOOLS, TEST AND SUPPORT EQUIPMENT

(1) Source maint. recv. code			(2) Federal stock No.	(3) Description	(4) Unit of meas	(5) Qty inc in unit	(6) 15 day organizational maintenance allow				(7) Illustration	
(a)	(b)	(c)					(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) Figure No.	(b) Item No.
				TOOLS AND EQUIPMENT								
				TOOLS AND EQUIPMENT AUTHORIZED FOR UNIT REPLACEMENT								
--	C	--	1005-228-3536	SWAB, SMALL ARMS CLEANING: COTTON, 2½ SQ (1,000 IN PG) 5019316 (19204)	PG	--	*	2	2	2		
--	C	--	1005-556-4174	BRUSH, CLEANING, SMALL ARMS: BORE 5564174 (19205)	EA	--	*	2	3	6	33	1
--	C	--	1005-650-4510	CASE, SMALL ARMS CLEANING ROD: 7267754 (19205)	EA	--	*	2	2	2	33	6
--	C	--	1005-654-4058	SLING, SMALL ARMS:	EA	--	*	2	2	3	34	-
--	C	--	1005-691-1381	BRUSH, CLEANING, SMALL ARMS: CHAMBER 7790583 (19205)	EA	--	*	2	2	3	33	2
--	C	--	1005-726-6109	ROD SECTION, CLEANING, SMALL ARMS: 7266109 (19205)	EA	--	*	2	2	2	33	4
--	C	--	1005-726-6110	SWAB HOLDER SECTION, SMALL ARMS CLEANING ROD: 7266110 (19204)	EA	--	*	2	2	3	33	5
--	C	--	1005-791-3377	CASE, LUBRICANT: 7790995 (19205)	EA	--	*	2	2	2	33	7
--	C	--	1005-793-6761	HANDLE ASSEMBLY: CLEANING ROD 7266115 (19204)	EA	--	*	2	2	2	33	3
				ORGANIZATIONAL MAINTENANCE TOOLS AND EQUIPMENT (FOR ARMORERS USE) THE 15-DAY LEVEL IS NOT APPLICABLE.								
--	O	--	1005-722-8907	ENVELOPE: FABRIC, 2-BUTTON, 3H X 4-7/8W 7228907 (19205)	EA	--	1	--	--	--	40	1
--	O	--	4933-628-9700	REFLECTOR, GUN BARREL: 7790138 (19205)	EA	--	1	--	--	--	40	2
--	O	--	4933-652-9950	EXTRACTOR, RUPTURED CARTRIDGE CASE: 7790352 (19205)	EA	--	1	--	--	--	40	3

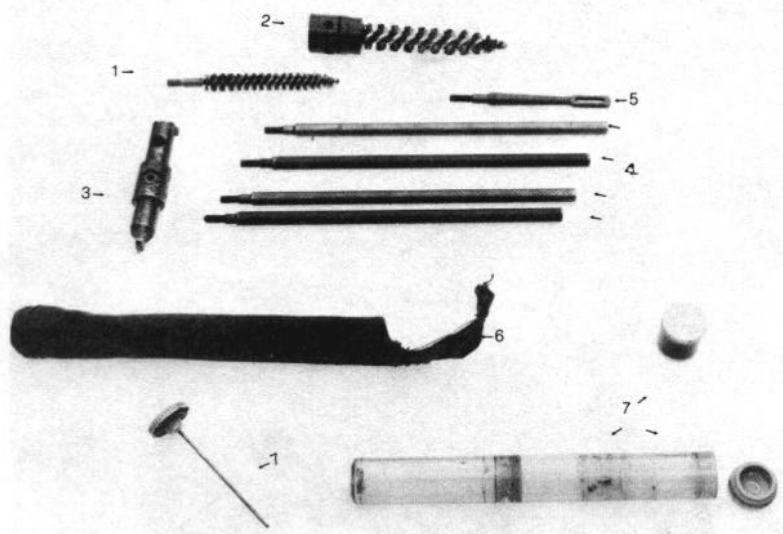


Figure 33. Basic cleaning tools.

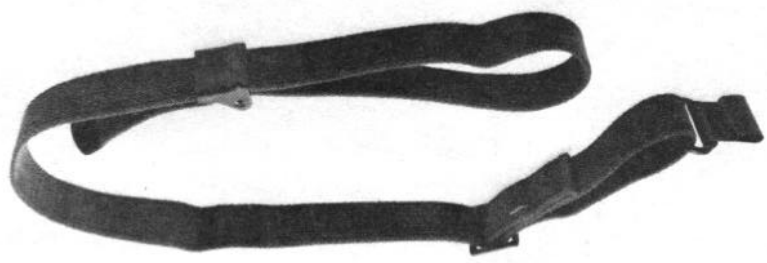


Figure 34. Web sling.

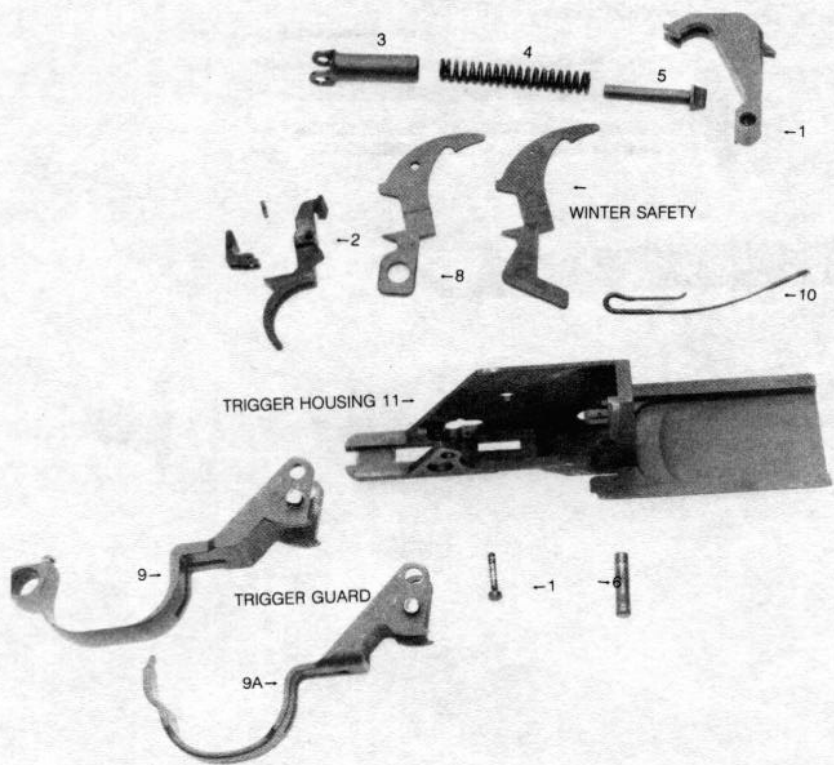


Figure 35. Trigger assembly - exploded view.

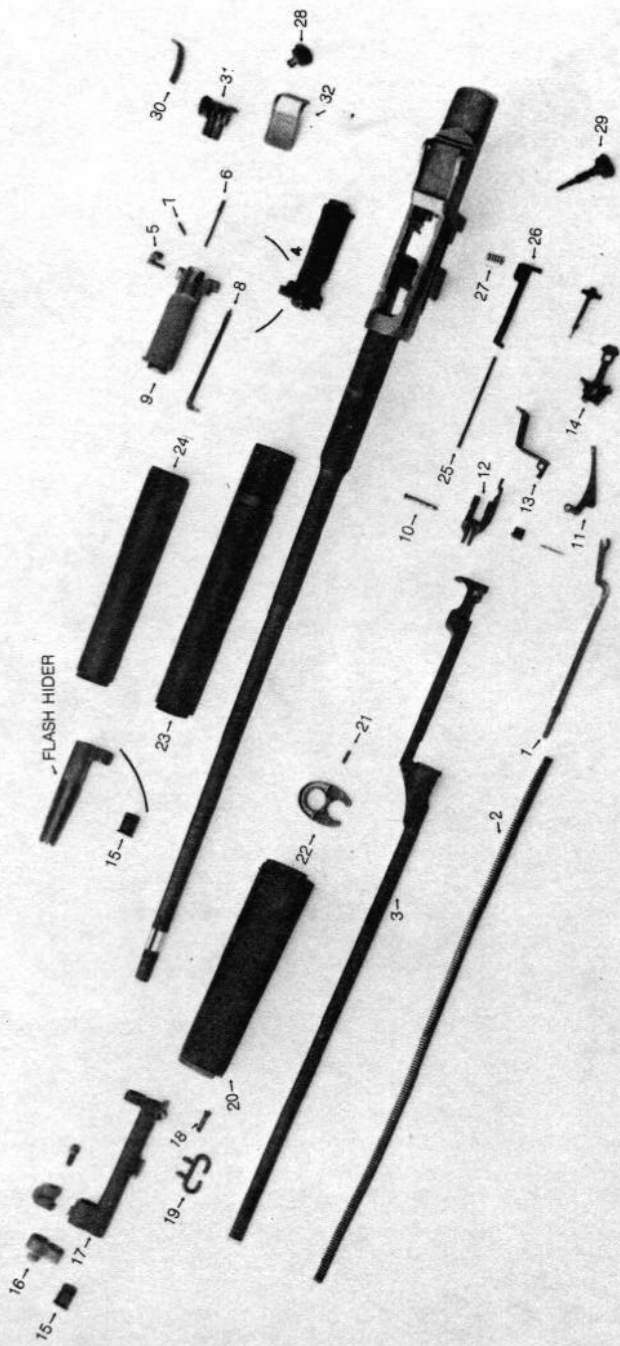


Figure 36. Barrel and receiver group - exploded view.

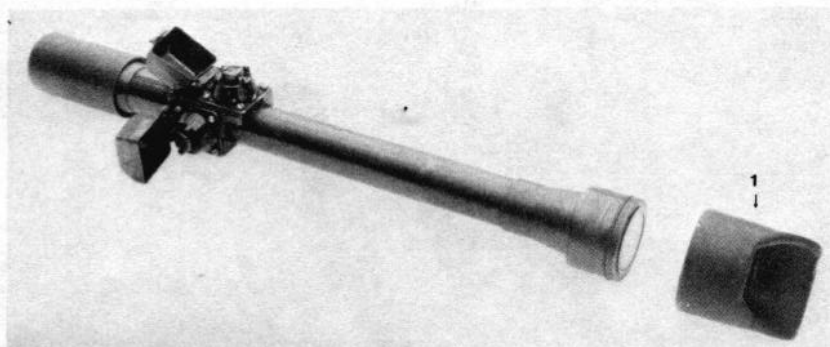


Figure 37. Telescope, M 84.

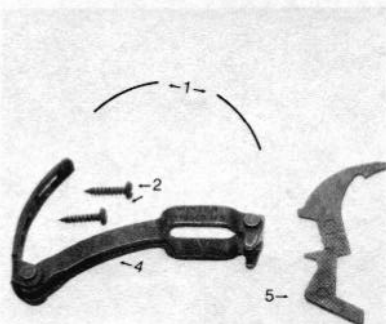


Figure 38. Winter trigger kit - exploded view.

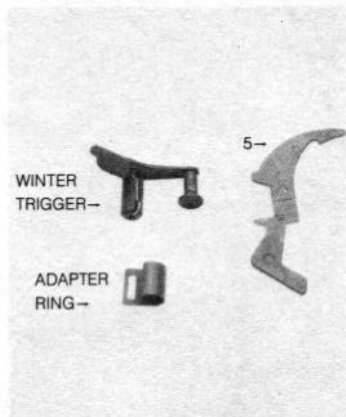


Figure 39. Winter trigger kit, type T-36.

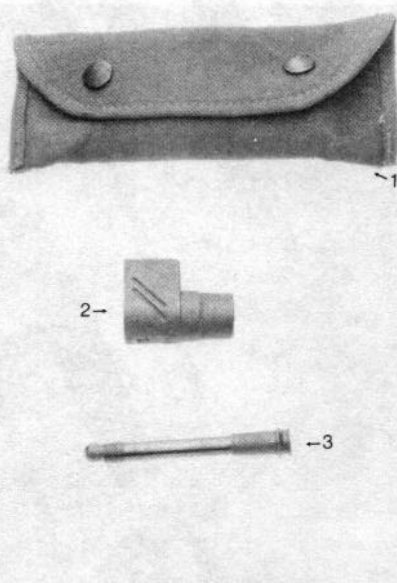
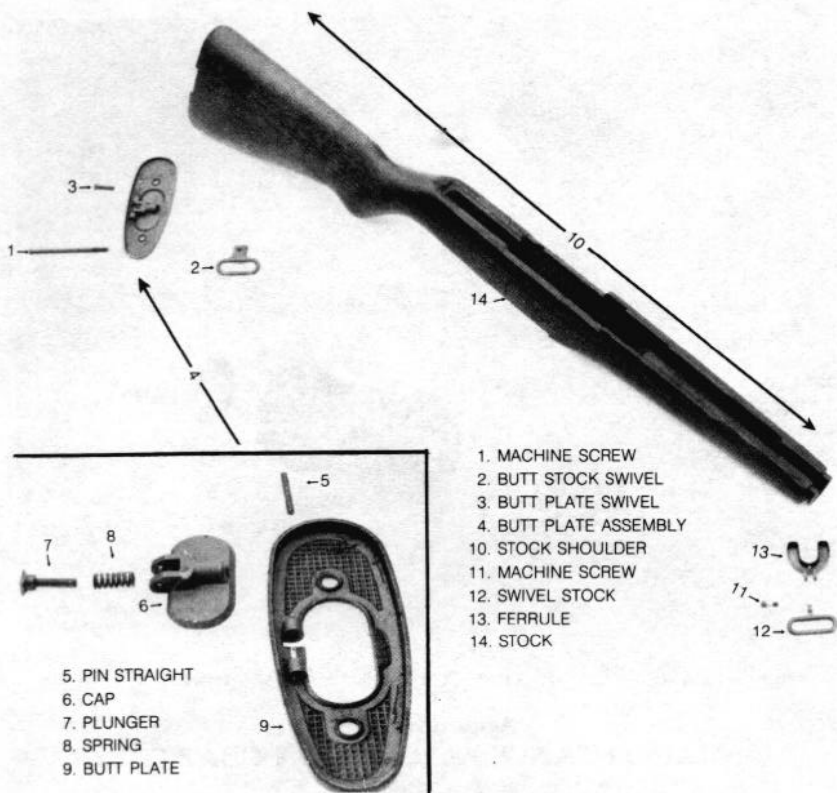


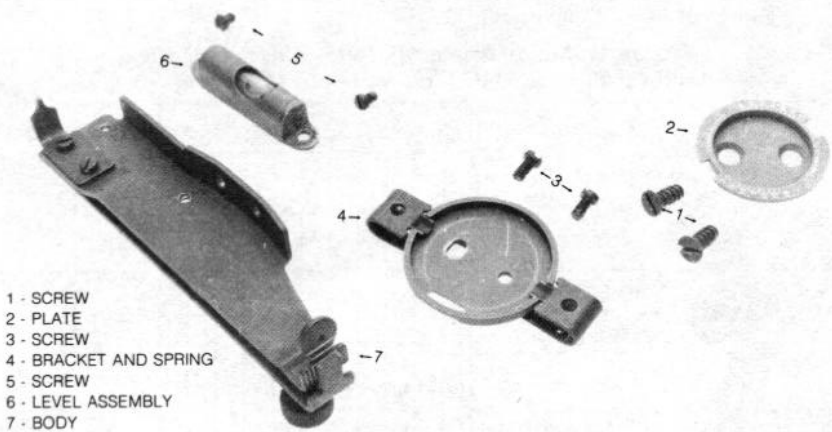
Figure 40. Special tools and equipment.



- 1. MACHINE SCREW
- 2. BUTT STOCK SWIVEL
- 3. BUTT PLATE SWIVEL
- 4. BUTT PLATE ASSEMBLY
- 10. STOCK SHOULDER
- 11. MACHINE SCREW
- 12. SWIVEL STOCK
- 13. FERRULE
- 14. STOCK

- 5. PIN STRAIGHT
- 6. CAP
- 7. PLUNGER
- 8. SPRING
- 9. BUTT PLATE

fig. 8
Figure 41. Stock group - exploded view.



- 1 - SCREW
- 2 - PLATE
- 3 - SCREW
- 4 - BRACKET AND SPRING
- 5 - SCREW
- 6 - LEVEL ASSEMBLY
- 7 - BODY

Figure 42. Grenade launcher sight, M 15 - exploded view.



Figure 43. Gas cylinder cap screws, current type and old type.

NOTE: THIS ITEM MAY NOT BE DISASSEMBLED. ILLUSTRATION IS FOR REFERENCE ONLY.



Figure 44. Gas cylinder cap screw, current type — exploded view.

Appendix C MAINTENANCE ALLOCATION CHART

Section I. INTRODUCTION

C-1. General

The maintenance allocation chart indicates specific maintenance operations performed at proper maintenance levels. Deviation from maintenance operations allocated in the chart is authorized only upon approval of the Commanding Officer.

Section II. Maintenance Allocation Chart for Rifle, Caliber .30, M1, M1C (Sniper's), and M1D (Sniper's)

(1) Group number	(2) Functional group	(3) Maintenance function										(4) Tool and equipment	(5) Remarks			
		Inspect	Test	Service	Adjust	Align	Calibrate	Install	Replace	Repair	Overhaul			Rebuild		
1	TRIGGER HOUSING ASSEMBLY	C	—	C	—	—	—	—	—	—	C	—	O	D	—	
2	STOCK ASSEMBLY	C	C	—	C	C	—	—	—	—	C	—	F	D	—	
3	BARREL AND RECEIVER GROUP	C	C	—	C	C	—	—	—	—	—	—	O	D	—	
4	TELESCOPE, M84	C	C	—	C	C	—	—	—	—	—	—	H	D	—	
5	TELESCOPE, W/BACKET	C	—	C	—	—	—	—	—	—	C	—	O	F	D	
6	MOUNT ASSEMBLY, MIC	C	—	C	—	—	—	—	—	—	F	—	F	D	—	
7	MOUNTING BRACKET ASSEMBLY M1D	C	—	C	—	—	—	—	—	—	F	—	F	D	—	
8	CHEEK PAD ASSEMBLY, MIC & M1D	C	—	C	—	—	—	—	—	—	F	F	—	D	—	

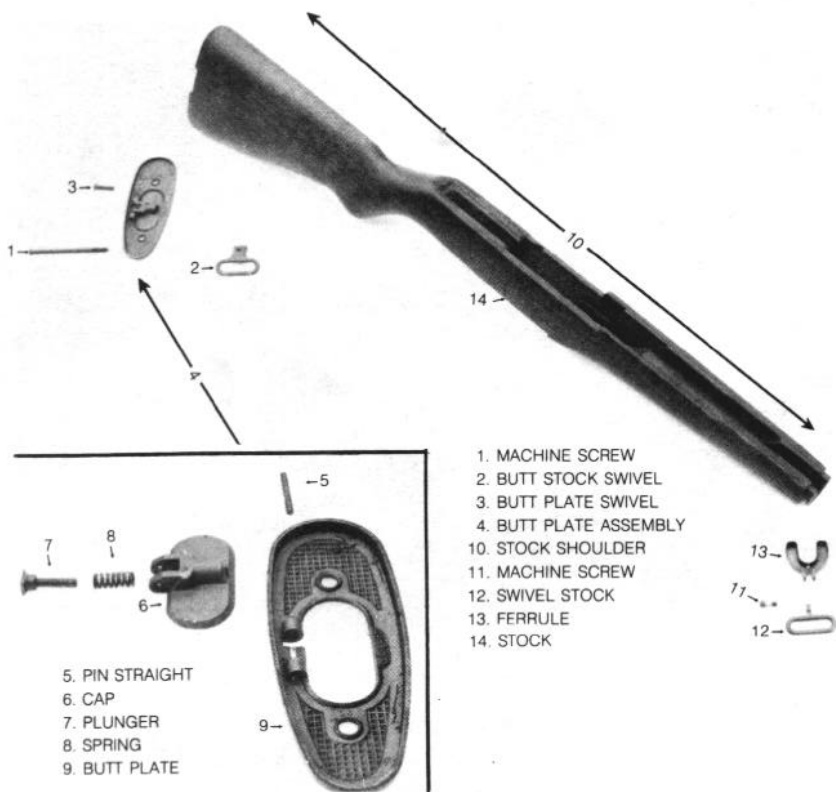


fig. 8
 Figure 41. Stock group - exploded view.

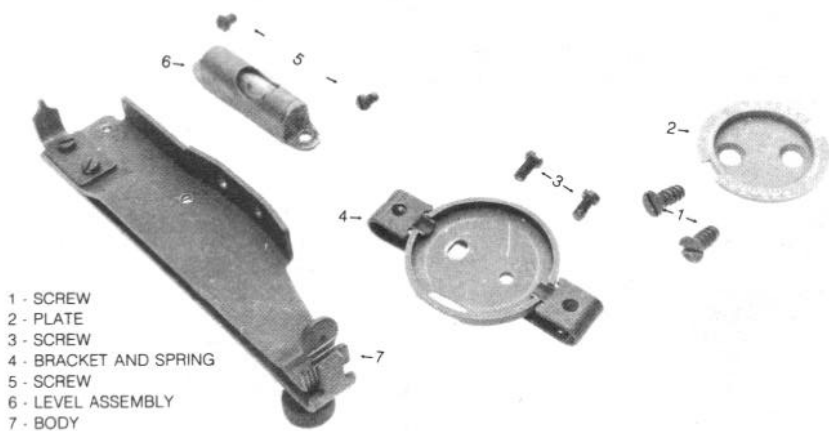


Figure 42. Grenade launcher sight, M 15 - exploded view.

C-2. Maintenance Functions

The maintenance allocation chart designates overall responsibility for the maintenance function of an end item or assembly. Maintenance functions will be limited to and defined as follows:

INSPECT	To determine serviceability of an item by comparing its physical, mechanical, and electrical characteristics with established standards.
TEST	To verify serviceability and to detect electrical or mechanical failure by use of test equipment.
SERVICE	To clean, to preserve, to charge, and to add fuel, lubricants, cooling agents, and air.
ADJUST	To rectify to the extent necessary to bring into proper operating range.
ALIGN	To adjust specified variable elements of an item to bring to optimum performance.
CALIBRATE	To determine the corrections to be made in the readings of instruments or test equipment used in precise measurement. Consists of the comparison 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 with the certified standard.
INSTALL	To set up for use in an operational environment such as an emplacement, site, or vehicle.
REPLACE	To replace unserviceable items with serviceable assemblies, subassemblies, or part.
REPAIR	To restore an item to serviceable condition. This includes, but is not limited to, inspection, cleaning, preserving, adjusting, replacing, welding, riveting, and strengthening.
OVERHAUL	To restore an item to a completely serviceable condition as prescribed by maintenance serviceability standards using the Inspect and Repair Only as Necessary (IROAN) technique.
REBUILD	To restore an item to a standard as nearly as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through complete disassembly of the item, inspection of all parts or components, repair or replacement of worn or unserviceable elements (items) using original manufacturing tolerances and specifications, and subsequent reassembly of the item.

C-3. Explanation of Format

Purpose and use of the format are as follows:

- Column 1, Group Number.* Lists group numbers, to identify components and assemblies.
- Column 2, Functional Group.* Lists the noun names of groups and assemblies on which maintenance is authorized.
- Column 3, Maintenance Functions.* Lists the various categories of maintenance to be performed on the weapon.
- Use of Codes.* Explanation of the use of codes in maintenance function, column 3, is as follows:

Code	Explanation	Code	Explanation
COperator/crew	HGeneral Support
OOrganizational	DDepot
FDirect Support		

e. Column 4, Tools and Equipment. This column will be used to specify those tools and test equipment required to perform the designated function.

f. Column 5, Remarks. Self-explanatory.

Note: Columns not utilized are considered not applicable.

ADDENDA

Supplemental Material From TM 9-1005-222-35

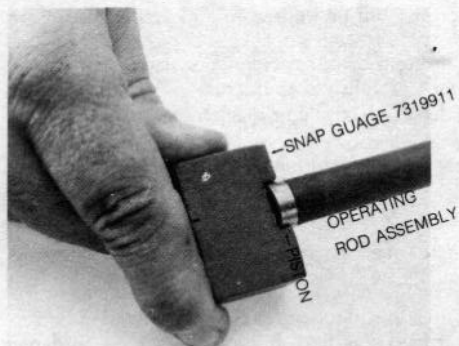


Figure 45. Gaging diameter of gas piston.

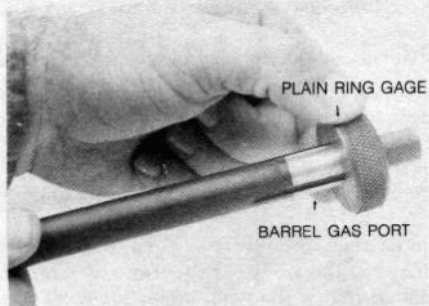


Figure 46. Gaging barrel diameter at gas port.



Figure 47. Gaging firing pin protrusion.

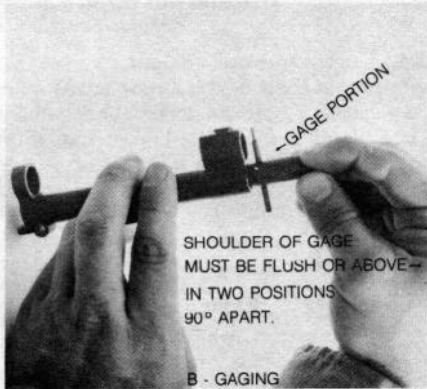
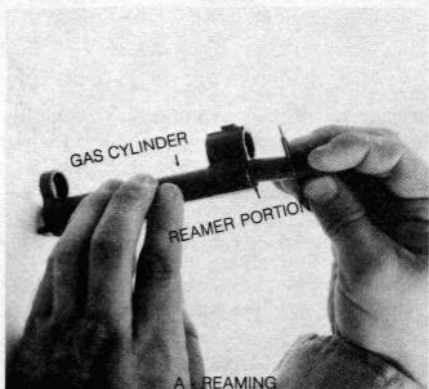
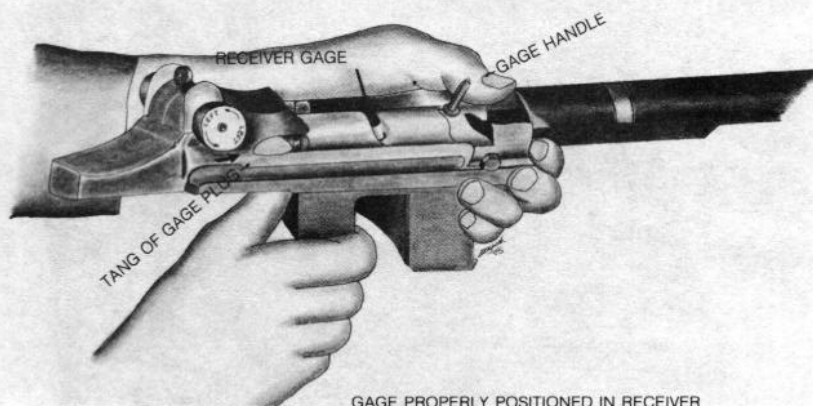
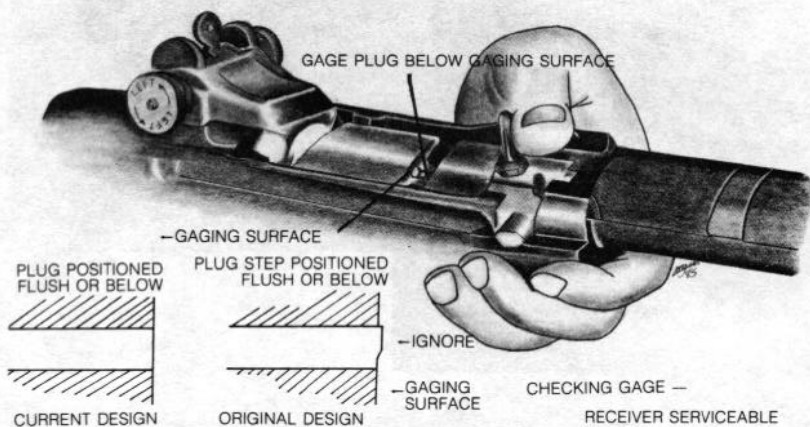


Figure 48. Reaming and gaging front interior of gas cylinder.



GAGE PROPERLY POSITIONED IN RECEIVER



SERVICEABLE

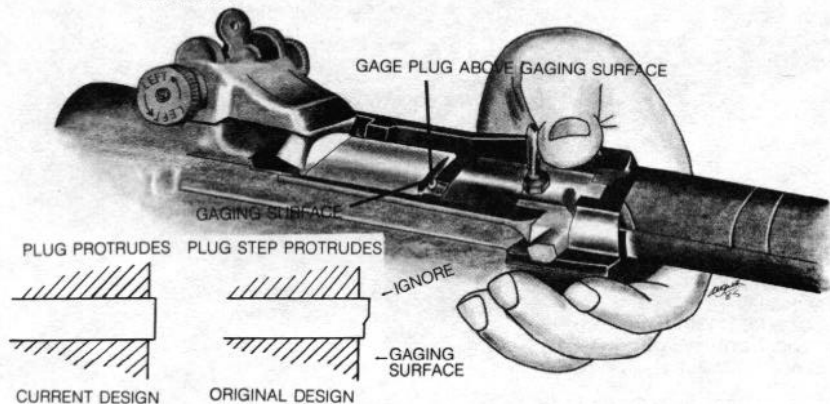
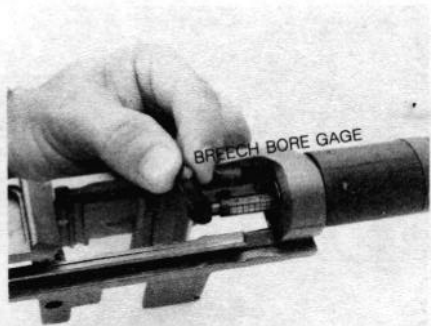


Figure 49. Gaging receiver.



REJECT LIMIT 0.310

Figure 50. Gaging breech bore.

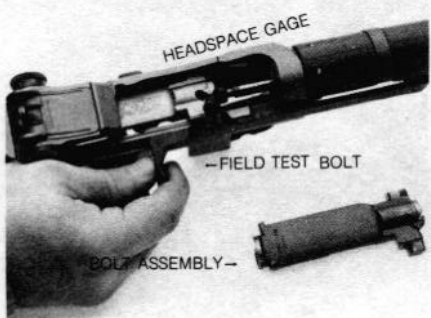


Figure 51. Checking headspace.

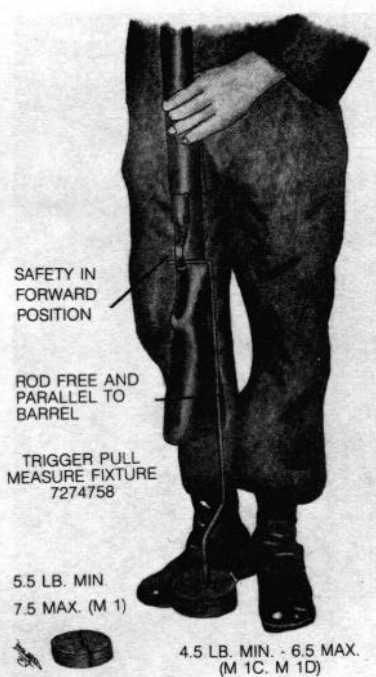
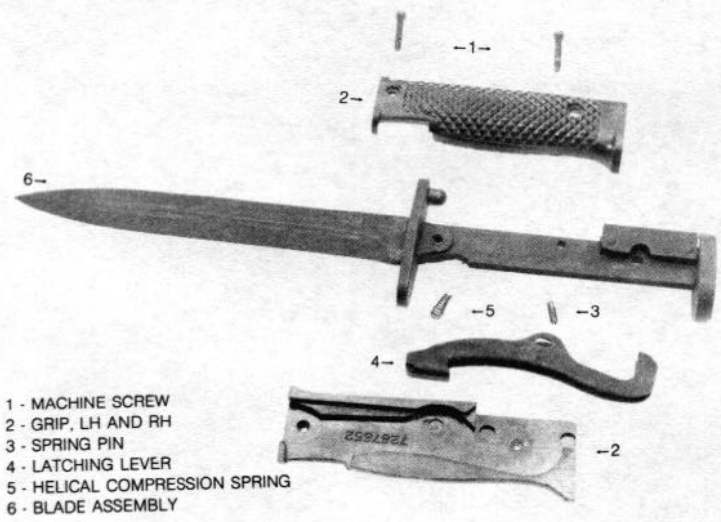


Figure 52. Checking trigger pull.



- 1 - MACHINE SCREW
- 2 - GRIP, LH AND RH
- 3 - SPRING PIN
- 4 - LATCHING LEVER
- 5 - HELICAL COMPRESSION SPRING
- 6 - BLADE ASSEMBLY

Figure 53. Bayonet knife, M 5A1 - exploded view.
NOTE: Bayonet knife M 5 differs internally, only, in position of helical spring.

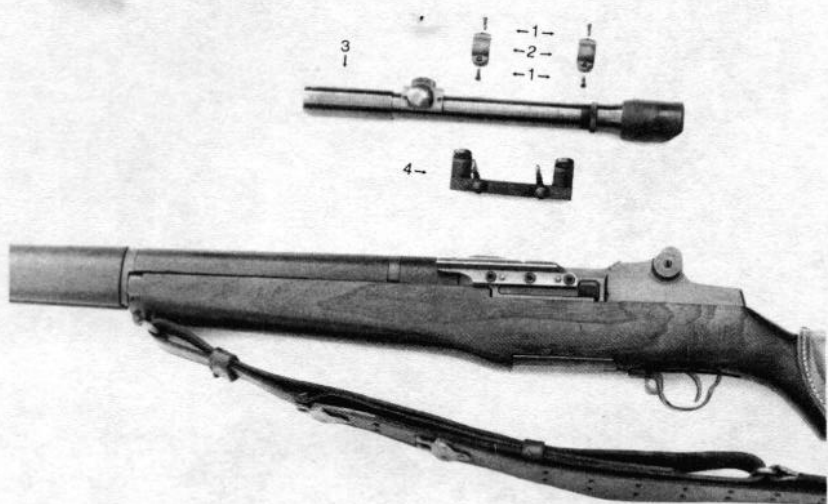


Figure 54. Telescope, M 82 and mount assembly (M 1C, Sniper only).
From the collection of Bill Douglas.

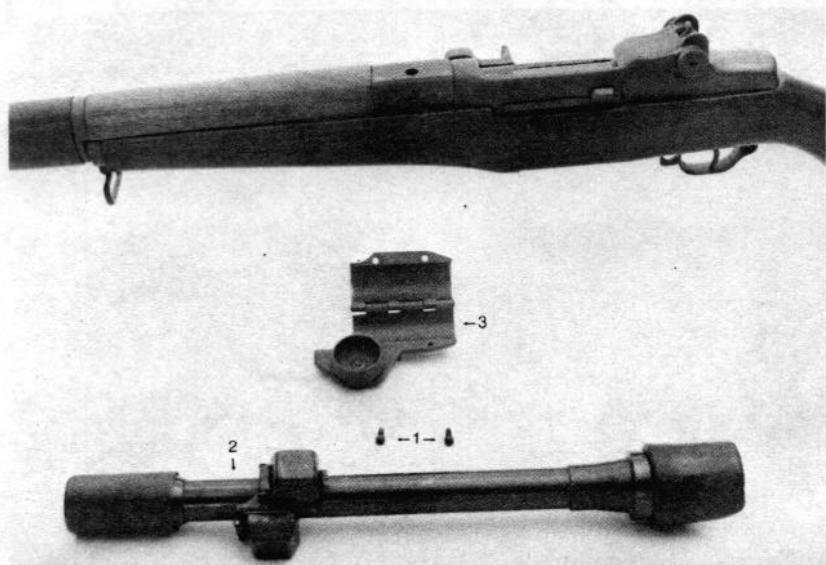
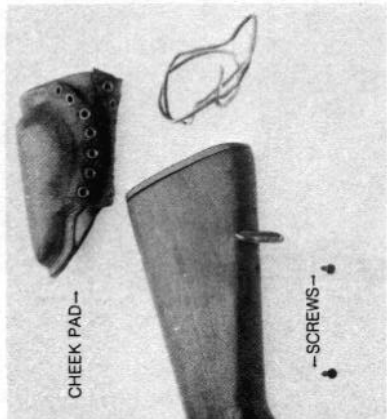
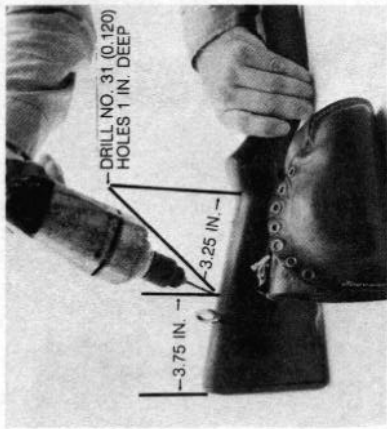


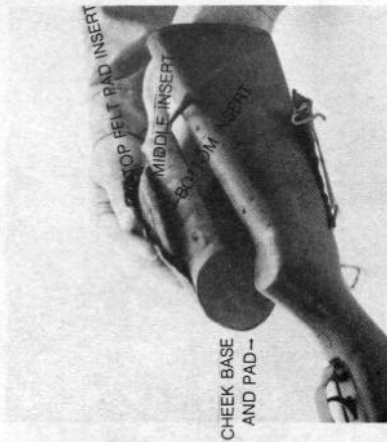
Figure 55. Telescope, M 84 and mount assembly (M 1D, Sniper only).



CHEEK PAD ASSEMBLY — EXPLODED VIEW (M 1C (Sniper's) and M 1D (Sniper's) only).



DRILLING HOLES IN STOCK ASSEMBLY FOR INSTALLING WOOD SCREWS.



REMOVE/INSTALL CHEEK PAD.



REMOVE/INSTALL WOOD SCREW.



REMOVE/INSTALL LACE.

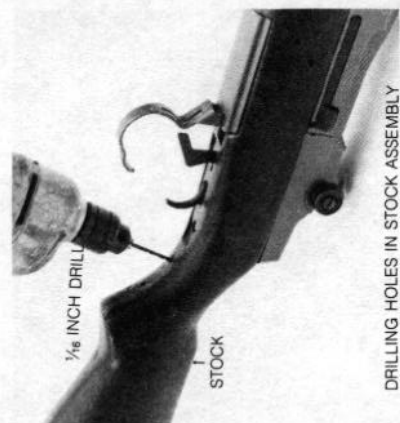


CHEEK PAD WITH LACE INSTALLED ON RIFLE, M 1C OR M 1D.

Figure 56. Installation/removal of cheek pad assembly, Rifles M 1C and M 1D (Sniper's)

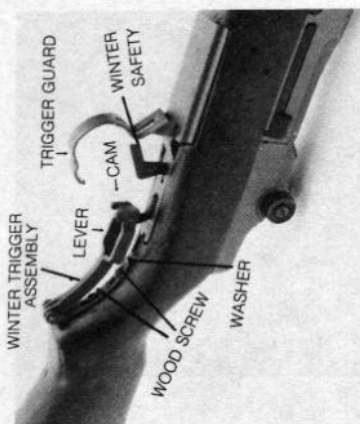


MARKING LOCATION FOR DRILLING HOLES



DRILLING HOLES IN STOCK ASSEMBLY

Figure 57. Installation of winter trigger bit.



WINTER TRIGGER ASSEMBLY INSTALLED.

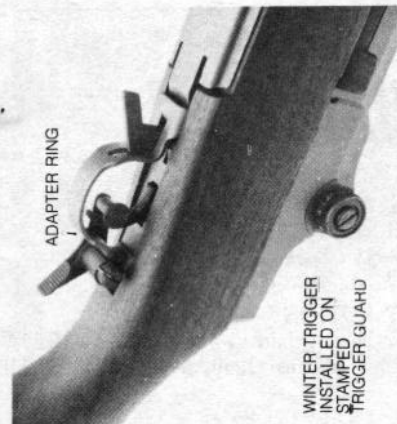


Figure 58. Installation of alternate winter trigger bit. Type T-36

By Order of the Secretary of the Army:

W.C. WESTMORELAND,
General, *United States Army*,
Chief of Staff.

Official:

KENNETH G. WICKHAM,
Major General, *United States Army*,
The Adjutant General.

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To be distributed in accordance with DA Form 12-40, (qty rqr block no. 128) Organizational maintenance requirements for Rifles, Caliber .30: M1, M1C (Sniper's) and M1D (Sniper's).