

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE
REPAIR PARTS AND SPECIAL
TOOLS LIST

ARMAMENT SUBSYSTEM, HELICOPTER,
7.62 MILLIMETER MACHINE GUN:
HIGH RATE, M27
(1005-933-6242)
(USED ON OH-6A AND OH-58A HELICOPTERS)

This copy is a reprint which includes current
pages from Change 1

HEADQUARTERS, DEPARTMENT OF THE ARMY
FEBRUARY 1973

CHANGE }
No. 1 }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC., 17 December 1975

**Aviation Unit Maintenance Repair Parts
and Special Tools List
ARMAMENT SUBSYSTEM, HELICOPTER
7.62 MILLIMETER MACHINE GUN:
HIGH RATE, M27E1
(NSN 1005-00-933-6242)
(USED ON OH-6A AND OH-58A HELICOPTERS)**

TM 9-1005-298-20P, 28 February 1973, is changed as follows:

The title is changed as shown above.

Page i. Immediately following the title add the following:

To implement the 3-level maintenance concept, the following changes will be made to this manual, as applicable:

a. Substitute the words Aviation Unit maintenance for Crew/Operator and Organizational maintenance (first level of maintenance). Also, wherever the symbol for Crew Operator maintenance (C) is used, change to the symbol for Aviation Unit maintenance (O).

b. Substitute the words Aviation Intermediate maintenance for Direct Support and General Support maintenance (second level of maintenance). Also, wherever the symbol for General Support Maintenance (H) is used, change to the symbol for Aviation Intermediate maintenance (F).

c. The Depot level of maintenance remains the same (third level of maintenance).

d. Under the new 3-level maintenance concept, the maintenance codes are as follows: Aviation Unit Maintenance (O), Aviation Intermediate Maintenance (F), and Depot Maintenance (D).

By Order of the Secretary of the Army:

Official:.

FRED C. WEYAND
*General, United States Army
Chief of Staff*

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*Major General, United States Army
The Adjutant General*

Distribution:

To be distributed in accordance with DA Form 12-31 (qty rqr block No. 411), organizational maintenance requirements for 7.62-MM Machine Gun, High Rate, M27.

Technical Manual }
No. 9-1005-298-20P }

HEADQUARTERS,
DEPARTMENT OF THE ARMY
Washington, D. C., 28 February 1973

**ORGANIZATIONAL MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LIST
FOR
ARMAMENT SUBSYSTEM, HELICOPTER,
7.62 MILLIMETER MACHINE GUN:
HIGH RATE, M27
(1005-933-6242)
(USED ON THE OH-6A AND OH-58A HELICOPTERS)**

This manual is current as of 27 November 1972

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*This manual supersedes TM 9-1005-298-20P, 14 July 1969 and all changes.

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

Section I. INTRODUCTION

1. Scope.

This manual lists repair parts, special tools, and support equipment required for the performance of organizational maintenance of the M27 armament subsystem.

2. General.

The Repair Parts and Special Tools List is divided into the following sections:

a. Repair Parts List Section II. A list of repair parts authorized at the organizational level for the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending numerical sequence, with the parts in each group listed in figure and item number sequence.

b. Special Tools List Section III. A list of special tools, and support equipment authorized for the performance of maintenance at the organizational level.

c. Federal Stock Number and Reference Number Index- Section III. A list in ascending numerical sequence, of all Federal stock numbers appearing in the listings, followed by a list in alphameric sequence, of all reference numbers appearing in the listings. Federal stock numbers and reference numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns.

The following provides an explanation of columns found in the tabular listings.

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

(1) *Source code.* Indicates the source for the listed items. Source codes, the first and second positions of the SMR code (col 1), are:

<i>Code</i>	<i>Explanation</i>
PA	Item procured and stocked for anticipated or known usage.
PB	Item procured and stocked for insurance purposes because essentiality dictates that a minimum quantity be available in the supply system.
PC	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.

<i>Code</i>	<i>Explanation</i>
PD	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional issues or outfittings. Not subject to automatic replenishment.
PE	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF	Support equipment which will not be stocked but which will be centrally procured on demand.
PG	Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which because of probable discontinuance or shutdown of production facilities would prove uneconomical to reproduce at a later time.
KD	Item of depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
KF	Item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or intermediate levels of maintenance.
KB	Item included in both a depot overhaul repair kit and a maintenance kit.
MO	Item to be manufactured or fabricated at organizational level.
MF	Item to be manufactured or fabricated at direct support maintenance level.
MH	Item to be manufactured or fabricated at general support maintenance level.
MD	Item to be manufactured or fabricated at depot maintenance level.
AO	Item to be assembled at organizational level.
AF	Item to be assembled at direct support maintenance level.
AH	Item to be assembled at general support maintenance level.
AD	Item to be assembled at depot maintenance level.
XA	Item is not procured or stocked. The requirements for the item will result in the replacement of the next higher assembly.
XB	Item is not procured or stocked. If not available through salvage, requisition.
XC	Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer's part number.

(2) *Maintenance code.*

(a) *Use code.* This code, the third position of the SMR code (col 1) indicates the lowest category of maintenance authorized to remove, replace, and/or

use the item. Capabilities of higher maintenance categories are considered equal or better. The maintenance use codes are:

Code	Explanation
C	Crew/operator
O	Organizational maintenance
F	Direct support maintenance
H	General support maintenance
D	Depot maintenance

(b) *Repair code.* This code, the fourth position of the SMR code (col 1), indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e. all authorized maintenance functions). This does not preclude some repair which may be accomplished at a lower level of maintenance. The maintenance repair codes are:

Code	Explanation
O	Organizational maintenance
F	Direct support maintenance
H	General support maintenance
D	Depot maintenance
L	Repair restricted to designated Specialized Repair Activity
Z	Non repairable. No repair is authorized.
B	No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special tools are procured for the maintenance of this item.

(3) *Recoverability code.* Indicates whether unserviceable items should be returned for recovery or salvage. Items not coded are nonrecoverable. The recoverability codes, fifth position of the SMR code (col 1), are:

Code	Explanation
Z	Nonrepairable item. When unserviceable, condemn and dispose at the level indicated by the maintenance use code (third position).
O	Reparable item. When uneconomically repairable, condemn and dispose at organizational level.
F	Reparable item. When uneconomically repairable, condemn and dispose at direct support level.
H	Reparable item. When uneconomically repairable, condemn and dispose at general support level.
D	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L	Reparable item. Repair, condemnation, and disposal not authorized below depot/ specialized repair activity level.
A	Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical or hazardous material). Refer to appropriate manuals/directives for specific instructions.

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 2 and a minimum description required to identify the item. The last line indicates the reference number followed by the applicable Federal Supply Code for Manufacturer (FSCM) in parentheses. The FSCM is used as an element in item identification to designate manufacturer or distributor or Government agency, etc., and is identified in SB 70842. Items that are included in kits and sets are listed below the name of the kit or set with quantity of each item in the kit or set indicated in front of the item name.

d. *Unit of Measure (U/M).* Indicates the standard or basic quantity by which the listed item is used in performing the actual maintenance function. This measure is expressed by a two-character alphabetic abbreviation, e.g., ea, in., pr, etc. and is the basis used to indicate quantities and allowances in subsequent columns. When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

e. *Quantity Incorporated in Unit.* 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 no specific quantity is applicable, e.g., shims, spacers, etc.

f. *15-Day Organizational Maintenance Allowances.* The allowances columns are left blank intentionally. The maintenance level code indicates that the item is authorized for use at that category. Organizational parts will be requisitioned on an "as required" basis until authorized stockage levels are established.

g. *Illustration.*

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

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

4. Special Information.

a. Usable on codes are not applicable.

b. The basis of issue for authorized special tools, test and support equipment is the number of end items of equipment supported and the number of maintenance personnel allocated to perform the required maintenance operations.

c. Detailed assembly instructions for items source coded AO are found in TM 9-1005-298-12. Assembly components are listed immediately following the item to be assembled.

d. Parts which require manufacture or assembly at a category higher than that authorized for installation will indicate the higher category.

e. Repair part kits appear as the last entries in the repair parts listing for the group or assembly to which they apply.

f. Action change codes indicated in the left-hand margin of the listing page denote the following:

- N - Indicates added item.
- C - Indicates a change in data.
- R - Indicates a change in FSN only.

g. The following publications pertain to armament subsystems M27 and their components:

LO 9-1005-29812	Lubrication Order
TM 9-1005-298-12	Operator and Organizational Maintenance Manual
TM 9-1005-298-34	Direct Support and General Support Maintenance Manual
TM 9-1005-298-34P	Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools)
TM 9-1005-298-ESC	Equipment Serviceability Criteria

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 subgroup, i.e., feeder, drive assembly, bolt assembly, etc., within which the repair part belongs. This is necessary since illustrations are prepared for functional groups and listings are divided into functional groups.

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

belongs and locate the illustration figure and item number noted on 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 ascending alphameric sequence, cross-referenced to the illustration figure number and item number.

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

6. Abbreviations.

Abbreviations	Explanation
RH.....	right hand
LH.....	left hand
QTY	quantity
TU.....	tube
SE.....	set
PG	package

7. Recommendations for Maintenance Publications Improvements.

You can improve this manual by calling attention to errors and by recommending improvements, using DA Form 2028 (Recommended Changes to Publications) or by a letter, and mailing directly to the Commander, US Army Weapons Command, ATTN: AMSWE-MAS-SP, Rock Island, Illinois 61201. A reply will be furnished directly to you.

Section II. REPAIR PARTS LIST - Continued

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION Reference Number and FSCM USABLE ON CODE		(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 15 Day organizational maintenance alw				(7) Illustration	
						(a)	(b)	(c)	(d)	(a) Figure No.	(b) Item No.
						1-5	6-20	21-50	51-100		
PA OZ Z	1005-925-4144	STOP, SPRING.....	63810878 (19204)	EA	1	..	..	..	..	4	6
PA OZ Z	1005-925-4750	SPRING, HELICAL COMPRESSION (PART OF PIN AND SPRING SET).....	63B10721 (19205)	EA	1	..	..	..	..	4	7
XA.....		PIN, FIRING (PART OF PIN AND SPRING SET).....	65F10057(19204)	EA	1	..	..	..	..	4	8
PA OZ Z	1005-919-7015	BOLT SUBASSEMBLY, FIRING.....	65B9865(19205)	EA	1	..	..	..	..	4	9
PA OZ Z	1005-052-9558	PARTS KIT, PIN AND SPRING SET.....	5910873(19204)	EA	1	..	..	..	..	4	..
		1-PIN.....		..	..	..	..	..	..	4	2
		2-LOCKING PIN.....		..	..	..	..	..	..	4	3
		1-SPRING PIN.....		..	..	..	..	..	..	4	7
		1-SPRING PN.....		..	..	..	..	..	..	4	5
		1-SPRING.....		..	..	..	..	..	..	4	7
		1-FIRING PIN.....		..	..	..	..	..	..	4	8
		ROTOR ASSEMBLY 65B9866 (19205)									
PA OZ Z	5315-812-4658	PIN, SPRING:.....	MS39086-141 (96906)	EA	2	..	..	..	..	5	1
PA OZ Z	1005-913-9900	GEAR, SPUR:.....	65C9752(18894)	EA	1	..	..	..	..	5	2
PA OZ Z	5315-933-9481	PIN, SPRING:.....	65A9999 (19204)	EA	6	..	..	..	..	5	3
PA OZ Z	5307-921-5130	STUD,TRACK:.....	65B9755(18894)	EA	6	..	..	..	..	5	4
PA OZ Z	5315-930-0014	PIN, SPRING:.....	MS171644(96906)	EA	3	..	..	..	..	5	5
PA OZ Z	1005-913-9901	GEAR, SPUR:.....	65C9753(18894)	EA	6	..	..	..	..	5	6
PA OZ Z	3110-921-5820	BEARING, ANNULAR BALL:.....	6589878(18894)	EA	1	..	..	..	..	5	7
PA OZ Z	3110-089-5035	SHIELD, BEARING, REPLACEMENT:.....	65B10047(19204)	EA	2	..	..	..	..	5	8
XA.....		BEARING.....	658987&1 (19204)	..	1	..	..	..	..	5	9
		FEEDER DELINKING: MAU-56/A 11701120 (19204)									
PA OZ Z	5305-059-3659	SCREW,MACHINE: NO 10-32UNF-2A, 1/2LG.....	MS5195863 (96906)	EA	13	..	..	..	..	6	1
PA OZ Z	5305-937-4242	SCREW, MACHINE: NO 1A32UNF-2A, 7/16 LG.....	11701219(19204)	EA	1	..	..	..	..	6	2
PA OZ Z	1005-922-8032	GUIDE, LINK:.....	11686380(19204)	EA	1	..	..	..	..	6	3
PA OZ Z	5305-054-6669	SCREW MACHINE: NO 8-32UNC-2A, 7/16 LG.....	MS5195744 (96906)	EA	2	..	..	..	..	6	4
PA OZ Z	1005-922-8043	INSERT FEEDER:.....	11701129 (19204)	EA	1	..	..	..	..	6	5
PA OZ Z	1005-922-8049	HOUSING, FEEDER CAM:.....	11701139 (19205)	EA	1	..	..	..	..	6	6
PA OZ Z	1005-922-8037	ROLLER, PUSH ROD:.....	11701122(19204)	EA	7	..	..	..	..	6	7
PA OZ Z	1005-922-8040	PUSH ROD ASSEMBLY:.....	11701126(19204)	EA	7	..	..	..	..	6	8
PA OZ Z	1005-922-8052	PLATE, FORWARD GUIDE:.....	11701216(19204)	EA	1	..	..	..	..	6	9
PA OZ Z	5315-143-6422	PIN, SPRING:.....	8447845(19204)	EA	2	..	..	..	..	6	10

Section II. REPAIR PARTS LIST - Continued

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION Reference Number and FSCM USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 15 Day organizational maintenance alw				(7) Illustration	
					(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) Figure No.	(b) Item No.
		FEEDER DELINKING-Continued								
PA OZ Z	1005-922-8044	SPROCKET FEEDER:..... 11701130 (19204)	EA	1	..	..	..	..	6	11
PA OZ Z	5315-558-5141	PIN, SPRING:..... MS 16562-241 (96906)	EA	1	..	..	..	..	6	12
		DRIVE ASSEMBLY, ELECTRIC GUN 11697470(02731)								
R PA OZ Z	9505-293-4208	WIRE, STEEL, CORROSION-RESISTANT..... MS20995C32(96906)	FT	V	..	..	..	..	7	1
PA OZ Z	5305-912-4818	SCREW, MACHINE..... MS35276-261 (96906)	EA	4	..	..	..	..	7	2
PA OZ Z	5310-935-9074	WASHER, SPRING TENSION..... 11697460(02731)	EA	4	..	..	..	..	7	3
XA.....	.....	PLATE, IDENTIFICATION..... 11697471 (02731)							7	4
PA OZ Z	5310-016-7216	NUT, SELF-LOCKING, HEXAGON..... MS21083B8 (96906)	EA	2	..	..	..	..	7	5
PA OZ Z	5310-306-3167	WASHER, FLAT..... AN960C816L (88044)	EA	2	..	..	..	..	7	6
PA OZ Z	5310-936-9642	NUT, SELF-LOCKING, HEXAGON..... MS21083B4 (96906)	EA	1	..	..	..	..	7	7
PA OZ Z	5310-833-8172	WASHER, FLAT..... 11697455 (02731)	EA	1	..	..	..	..	7	8
N PA OZ Z	5310-905-8434	NUT, SELF-LOCKING, HEXAGON..... MS21083B3 (96906)	EA	1	..	..	..	..	7	9
PA OZ Z	5310-167-0812	WASHER, FLAT..... AN960C10L (88044)	EA	1	..	..	..	..	7	10
PA OZ Z	1005-891-7923	CONTROL ASSEMBLY, GUN DRIVE..... 11697474 (02731)	EA	1	..	..	..	..	7	11
PA OH D	1005-832-8549	DRIVE ASSEMBLY, ELECTRC..... 11697472(02731)	EA	1	..	..	..	..	7	12
		MOUNT ASSEMBLY 11697405 (02731)								
PA OF F	1005-933-4240	CONTAINER ASSEMBLY, AMMUNITION..... 11697700(02731)	EA	1	..	..	..	..	8	1
XA.....	.....	ELECTRICAL SYSTEM ASSEMBLY..... 11697800 (02731)	EA	1	..	..	..	..	8	2
XA.....	.....	HOUSING AND TUBE ASSEMBLY..... 11697500 (02731)	EA	1	..	..	..	..	8	3
PA DO Z	1005-891-7906	ROD ASSEMBLY, CONTROL..... 11697845 (02731)	EA	1	..	..	..	..	8	4
PA OF F	1005-832-5811	DOOR FILLER ASSEMBLY..... 11697556 (02731)	EA	1	..	..	..	..	8	5
		CONTAINER ASSEMBLY, AMMUNITION 11697700 (02731)								
PA OZ Z	5365-803-7315	RING, RETAINING..... NAS67031 (80205)	EA	7	..	..	..	..	9	1
R PA OZ Z	5315-135-1112	PIN, GROOVED, HOLLOW..... 11697713 (19204)	EA	1	..	..	..	..	9	2
PA OZ Z	5340-898-6490	HANDLE, BAIL..... 11697718(02731)	EA	2	..	..	..	..	9	3
PA OZ Z	5310-081-4219	WASHER, FLAT..... MS27183-12 (96906)	EA	2	..	..	..	..	9	4
PA OZ Z	5310-889-2544	NUT, SELF-LOCKING, HEXAGON..... MS21045-06 (96906)	EA	12	..	..	..	..	9	5
PA OZ Z	5305-054-6652	SCREW, MACHINE..... MS51957-28 (96906)	EA	12	..	..	..	..	9	6

Section II. REPAIR PARTS LIST - Continued

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION Reference Number and FSCM USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY IN IN UNIT	(6) 15 Day organizational maintenance alw				(7) Illustration	
					(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) Figure No.	(b) Item No.
CONTAINER ASSEMBLY - Continue										
PA OZ Z	5310-983-8483	WASHER, FLAT MS27183-5 (96906)	EA	12	..	..	..	..	9	7
PA OZ Z	1005-891-7904	SPRING, HELICAL, TORSION 11697752(02731)	EA	6	..	..	..	..	9	8
PA OZ Z	1005-891-7918	LEVELER ASSEMBLY 11697753 (02731)	EA	5	..	..	..	..	9	9
PA OZ Z	5305-832-6607	PIN, GROOVED, HEADLESS: 11697714 (19204)	EA	2	..	..	..	..	9	10
PA OZZ	1005-891-7903	LEVELER ASSEMBLY, AMMUNTION SENSOR: 11697756 (02731)	EA	1	..	..	..	..	9	11
PA OZ Z	5315-842-3308	PIN, SPRING MS16562-100 (96906)	E	1	..	..	..	..	9	12
PA OZ Z	5310-184-8980	WASHER, FLAT: AN960PDS 16L (88044)	EA	1	..	..	..	..	9	13
PA OZ Z	5315-234-1854	PIN, COTTER: MS24665-153 (96906)	EA	3	..	..	..	..	9	14
PA OZ Z	5315-895-3869	PIN, STRAIGHT, HEADLESS: 11697721 (02731)	EA	3	..	..	..	..	9	15
PA OF F	1005-891-7920	ROLLER ASSEMBLY: 11697627 (02731)	EA	3	..	..	..	..	9	16
PA OZ Z	5315-935-9083	PIN, GROOVED, HEADLESS: 0.293 MAX DIA, 3.260 MAX O/A LG 11697719(02731)	EA	1	..	..	..	..	9	17
PA OZ Z	7690-832-5812	DECAL: (CAUTION) 11697702 (02731)	EA	1	..	..	..	..	9	18
XA.....	.....	AMMUNITION CONTAINER 11697701 (02731)	..	1	..	..	..	..	9	19
ELECTRICAL SYSTEM ASSEMBLY 1169780 (02731)										
N PA OH H	1005-198-8343	CABLE ASSEMBLY, SPECIAL PURPOSE ELECTRICAL 11697770(02731)	EA	1	..	..	..	..	10	1
N PA OZ Z	5305-208-8311	SCREW, MACHINE AN255-8 (88044)	EA	4	..	..	..	..	10	2
N PA OZZ	5310-558-6207	WASHER, FLAT AN960C8L (88044)	EA	4	..	..	..	..	10	3
PC OZ Z	5330-292-0577	PACKING, PREFORMED MS2877-007 (96906)	EA	4	..	..	..	..	10	4
XA		COVER 11697826(02731)	..	1	..	..	..	..	10	5
PA OZ Z	1005-902-3696	COVER ASSEMBLY 11697825 (02731)	EA	1	..	..	..	..	10	6
PA OZ Z	5305-059-3658	SCREW, MACHINE MS51958-62 (96906)	EA	4	..	..	..	..	10	7
PA OZ Z	5310-167-0812	WASHER, FLAT AN960CI0L (88044)	EA	4	..	..	..	..	10	8
PA F H	1005-933-6241	CONTROL BOX A SSEMBLY 11697801 (02731)	EA	1	..	..	..	..	10	9
HOUSNG AND TUBE ASSY 11697500 (02731)										
PA OZ Z	5310-595-7475	NUT, SELF-LOCKING, HEXAGON: MS20364428 (96906)	EA	1	..	..	..	..	11	1
PA OZ Z	5306-206-1353	BOLT, INTERNAL WRENCHING: MS20004-10 (96906)	EA	1	..	..	..	..	11	2
PA OZ Z	1005-891-7911	CONNECTING LINK, RIGID: 11697635(02731)	EA	1	..	..	..	..	11	3

Section II. REPAIR PARTS LIST - Continued

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 15 Day organizational maintenance alw				(7) Illustration	
					(a)	(b)	(c)	(d)	(a)	(b)
					1-5	6-20	21-50	51-100	Figure No.	Item No.
		CONTROL ROD ASSEMBLY 11697845 (02731)								
PA OZ Z	5340-898-6479	ROD END, EXTERNALLY THREADED: LH..... 11697848(02731)	EA	1	..	..	..	..	12	1
PA OZ Z	5340-898-6475	ROD END, EXTERNALLY THREADED: RH..... 11697847(02731)	EA	1	..	..	..	..	12	2
PA OZ Z	5340-898-6491	PIN, QUICK RELEASE..... 11697850(02731)	EA	1	..	..	..	..	12	3
PA OZ Z	7690-891-7921	DECAL..... 11697851(02731)	EA	1	..	..	..	..	12	4
		SIGHT, REFLEX, HELICOPTER: XM70E1 10547304 (02731)								
PA OZ Z	1270-470-7498	BEAM SPLITTER, OPTICAL..... 11731200(19200)	EA	1	..	..	..	..	13	1
PA OZ Z	1270-470-7507	SCREW, EXTERNAL RELIEVED BODY..... 11731095(19200)	EA	1	..	..	..	..	13	2
PA OZ Z	5310-929-6395	WASHER, LOCK SPRING..... MS35338-136B (96906)	EA	1	..	..	..	..	13	3
XA.....		LENs, OPTICAL INSTRUMENT..... 10547480(02731)	..	1	..	..	..	..	13	4
XA.....		RETAINER, BEAMSPLITTER..... 10547479(02731)	..	1	..	..	..	..	13	5
PA OZ Z	1270-470-7497	ADAPTER..... 11731096(19200)	EA	1	..	..	..	..	13	6
PA OZ Z	6240-155-7840	LAMP..... 10547031 (02731)	EA	1	..	..	..	..	13	7
N PA OZ Z	5315-815-9366	PIN, SPRING..... MS 1655522 (96906)	EA	1	..	..	..	..	13	8
N PA OZ Z	5355-139-7533	KNOB, WING..... 10548189(19200)	EA	1	..	..	..	..	13	9
N PA OZ Z	1270-052-4025	STUD..... 10548188(19200)	EA	1	..	..	..	..	13	10
		KIT, BORESIGHT 11686583 (19205)								
PA OZ Z	4933-930-8951	ADAPTER, ASSEMBLY, BORESIGHT..... 11686592(19204)	EA	1	..	..	..	..	14	1
PA OD L	4933-867-6607	BORESIGHT, TELESCOPE..... 7799773(19204)	EA	1	..	..	..	..	14	2
PA OZ Z	4933-930-1958	CASE, BORESIGHT KIT..... 11686584 (19204)	EA	1	..	..	..	..	14	3
PA OZ Z	4933-930-8952	STREAMER ASSEMBLY, BORESIGHT..... 5910791(19204)	EA	1	..	..	..	..	14	4
		BULLET TRAP ASSEMBLY 8448153 (19204)								
PA OZ Z	4933-404-7447	HARNES ASSEMBLY..... 8448127(19204)	EA	1	..	..	..	..	15	1
PA OZ Z	4030-270-5436	HOOK, CHAIN, S..... MS87006-3 (96906)	EA	1	..	..	..	..	15	2
PA OZ Z	1730-995-7806	STREAMER..... NAS 1091-30H (80205).	EA	1	..	..	..	..	15	3
PA OZ Z	1090-936-8035	PIN ASSEMBLY..... 11691238(19204)	EA	1	..	..	..	..	15	4
PA OZ Z	4933-254-6342	PIN ASSEMBLY, LOCK..... 8448128(19204)	EA	1	..	..	..	..	15	5
PA OZ Z	4030-270-5436	HOOK, CHAIN, S..... MS87006-3 (96906)	EA	1	..	..	..	..	15	2
XA	.	CABLE..... 8448126(19204)		1	..	..	..	..	15	6

Section II. REPAIR PARTS LIST - Continued

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION Reference Number and FSCM USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 15 Day organizational maintenance alw				(7) Illustration	
					(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) Figure No.	(b) Item No.
BULLET TRAP ASSEMBLY-Continued										
XA.....	.....	PIN..... 8448129 (19204)		1					15	7
PA OZ Z	4933-235-4941	PAD, DEFLECTOR STOP 11691229(19204)	EA	1					15	8
PA OZ Z	4933-254-6344	INSERT, DEFLECTOR 8448164 (19204)	EA	1					15	9
PA OZ Z	4933-254-6345	DEFLECTOR, BULLET TRAP 8448151 (19204)	EA	1					15	10
XA.....	.....	HOUSING..... 8448152 (19204)		1					15	11
SUPPRESSOR ASSEMBLY, FLASH 11691135(19204)										
N PA OZ Z	1005-133-4007	BOLT AND NUT ASSEMBLY 5911079 (19204)	EA	1					16	1
N XA.....	.....	NUT, FLASH SUPPRESSOR 11691128 (19204)		1					16	2
N XA.....	.....	BOLT, FLASH SUPPRESSOR 11691129 (19204)		1					16	3
N XA.....	.....	SUPPRESSOR CLUSTER 11691134 (19204)		1					16	4

Section III. SPECIAL TOOLS LIST

(1)			(2)	(3)	(4)	(5)	(6)				(7)	
SMR CODE			FEDERAL STOCK NUMBER	DESCRIPTION	OF MEAS UNIT	UNIT INC IN	15 Day organizational maintenance alw				Illustration	
(A) Source	(B) Maint.	(C) Recov.					(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) Figure No.	(b) Item No.
				TOOLS AND EQUIPMENT FOR MACHINE GUN, 7.62MM: M134 6SF9877 (19204)								
PA	CZ	Z	1005-556-4174	BRUSH,CLEANING, SMALLARMS,BORE.....	EA	..	..	2	4	9	17	1
				5564174 (19205)								
PA	CZ	Z	1005-690-3115	BRUSH, CLEANING, SMALL ARMS, CHAMBER	EA	..	..	7	16	30	17	2
				7790452 (19205)								
PA	CZ	Z	1005-694-1662	BUFFER, CLEANING ROD	EA	..	..	..	..	..	17	3
				7268275 (19204)								
PA	CZ	Z	1005-726-4109	ROD, SECTION, CLEANING	EA	..	..	1	2	4	17	4
				SMALL ARMS								
				7266109 (19204)								
PA	CZ	Z	1005-726-6110	SWAB, HOLDER SECTION,SMALL ARMS	EA	..	..	..	..	..	17	5
				7266110 (19204)								
PA	CZ	Z	1005-793-4761	HANDLE ASSEMBLY, CLEANING RODEA	EA	..	..	..	1	1	17	6
				7266115 (19204)								
PA	CZ	Z	75 10-763-5996	ENVELOPE, TRANSPARENT	PG						17	7
				MILE43183 (81349)								
PA	OZ	Z	9150-949-0323	LUBRICATING OIL, SEMI-FLUID	TU	..	4	14	36	72	17	8
				8 OZ TU								
				PD688 (81349)								
PA	OZ	Z	4933-425-6346	TRAP ASSEMBLY, BULLET	EA	..	..	..	..	..	17	9
				8448153 (19204)								
PA	OZ	Z	4933-652-9950	EXTRACTOR, RUPTUREDCARTRIDGE	EA	..	..	..	..	..	17	10
				CASE 7790352 (19204)								
PA	OZ	Z	4933-933-1957	BORE1CHT KIT	SE	..	..	..	..	..	17	11
				(ISSUED AS INITIAL ISSUE ONLY FOR COMPONENTS AND REPLACEMENT ITEMS, SEE HEADING UNDER REPAIR PARTS.)								
				11686583 (19204)								
PA	OZ	Z	1005-253-5885	SUPPRESSOR ASSEMBLY, FLASH	EA	..	..	..	1	1	17	12
				11691135								

SECTION IV. FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
1005-052-9558	4		1005-933-6241	10	9
1005-115-2607	2	7	1005-938-8226	2	10
1005-133-6007	16	1	1005-990-9281	2	6
1005-198-8343	10	1	1090-936-8035	15	4
1005-253-5885	17	12	1270-052-4025	13	10
1005-443-9907	1	2	1270-470-7497	13	6
1005-556-4174	17	1	1270-470-7498	13	1
1005-690-3115	17	2	1270-470-7507	13	2
1005-694-1662	17	3	1270-832-5895	1	4
1005-726-6109	17	4	1730-995-7806	15	3
1005-726-6110	17	5	3110-089-5035	5	8
1005-793-6761	17	6	3110-198-1050	11	28
1005-832-5810	11	20	3110-921-5820	5	7
1005-832-5811	8	5	3110-941-7467	3	15
1005-832-8549	7	12	4030-270-5436	15	2
1005-884-2169	3		4933-235-4941	15	8
1005-891-7903	9	11	4933-254-6342	15	5
1005-891-7904	9	8	4933-254-6344	15	9
1005-891-7906	8	4	4933-254-6345	15	10
1005-891-7907	11	30	4933-254-6346	17	9
1005-891-7908	11	27	4933-404-7447	15	1
1005-891-7909	11	26	4933-652-9950	17	10
1005-891-7911	11	3	4933-867-6607	14	2
1005-891-7912	11	4	4933-930-1957	17	11
1005-891-7913	11	21	4933-930-1958	14	3
1005-891-7918	9	9	4933-930-8951	14	1
1005-891-7920	9	16	4933-930-8952	14	4
1005-891-7920	11	17	5305-054-6652	9	6
1005-891-7923	7	11	5305-054-6669	6	4
1005-891-7924	2	13	5305-059-3658	10	7
1005-891-7926	2	22	5305-059-3659	6	1
1005-902-3696	10	6	5305-059-3660	2	3
1005-903-0751	2	23	5305-059-3662	2	1
1005-903-0933	3	13	5305-082-6986	3	8
1005-913-9900	5	2	5305-143-2901	3	11
1005-913-9901	5	6	5305-208-8311	10	2
1005-919-3916	3	9	5305-717-5592	11	24
1005-919-3918	3	6	5305-832-6607	9	10
1005-919-3919	3	12	5305-857-5867	2	19
1005-919-3920	3	14	5305-898-6498	2	5
1005-919-7014	4	1	5305-912-4818	2	12
1005-919-7015	4	9	5305-912-4818	7	2
1005-919-8594	3	2	5305-912-4837	11	6
1005-919-8595	3	4	5305-933-6254	2	16
1005-921-6241	2	9	5305-937-4242	6	2
1005-922-8032	6	3	5305-984-6193	11	12
1005-922-8037	6	7	5305-984-6194	11	9
1005-922-8040	6	8	5306-206-1353	11	2
1005-922-8043	6	5	5307-921-5130	5	4
1005-922-8044	6	11	5310-016-7216	7	5
1005-922-8049	6	6	5310-061-7326	11	25
1005-922-8052	6	9	5310-081-4219	9	4
1005-925-4164	4	6	5310-167-0753	2	20
1005-925-4750	4	7	5310-167-0753	11	7
1005-930-6305	2	15	5310-167-0812	7	10
1005-930-6306	2	14	5310-167-0812	10	8
1005-930-7587	2	21	5310-184-8980	9	13
1005-933-6236	2	11	5310-184-9001	2	17
1005-933-6239	11	14	5310-184-9002	11	10
1005-933-6240	8	1	5310-306-3167	7	6

SECTION IV. FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX - Continued

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5310-558-6207	10	3	5330-292-0577	10	4
5310-595-7475	11	1	5340-087-0303	11	32
5310-833-8172	7	8	5340-205-6301	11	11
5310-889-2544	9	5	5340-533-5342	11	13
5310-905-8434	7	9	5340-702-3180	11	8
5310-921-5126	3	5	5340-754-1083	11	31
5310-929-6395	13	3	5340-807-2636	11	29
5310-935-9074	7	3	5340-849-8121	2	8
5310-936-9642	7	7	5340-898-6475	12	2
5310-983-8483	9	7	5340-898-6479	12	1
5315-058-9767	3	10	5340-898-6490	9	3
5315-135-1112	9	2	5340-898-6491	12	3
5315-143-6422	6	10	5340-904-1662	11	5
5315-234-1854	9	14	5340-921-5159	3	1
5315-234-1854	11	15	5340-921-5161	3	3
5315-558-5141	6	12	5340-998-0611	2	2
5315-812-4658	4	5	5355-139-7533	13	9
5315-812-4658	5	1	5365-803-7315	9	1
5315-815-9366	13	8	6240-155-7840	13	7
5315-842-3308	9	12	7510-763-5996	17	7
5315-895-3869	9	15	7690-832-5812	9	18
5315-895-3869	11	16	7690-891-7921	12	4
5315-930-0014	5	5	9150-949-0323	17	8
5315-933-9481	5	3	9505-293-4208	7	1
5315-935-9083	9	17	9505-603-4120	2	4
5325-960-2410	11	18			

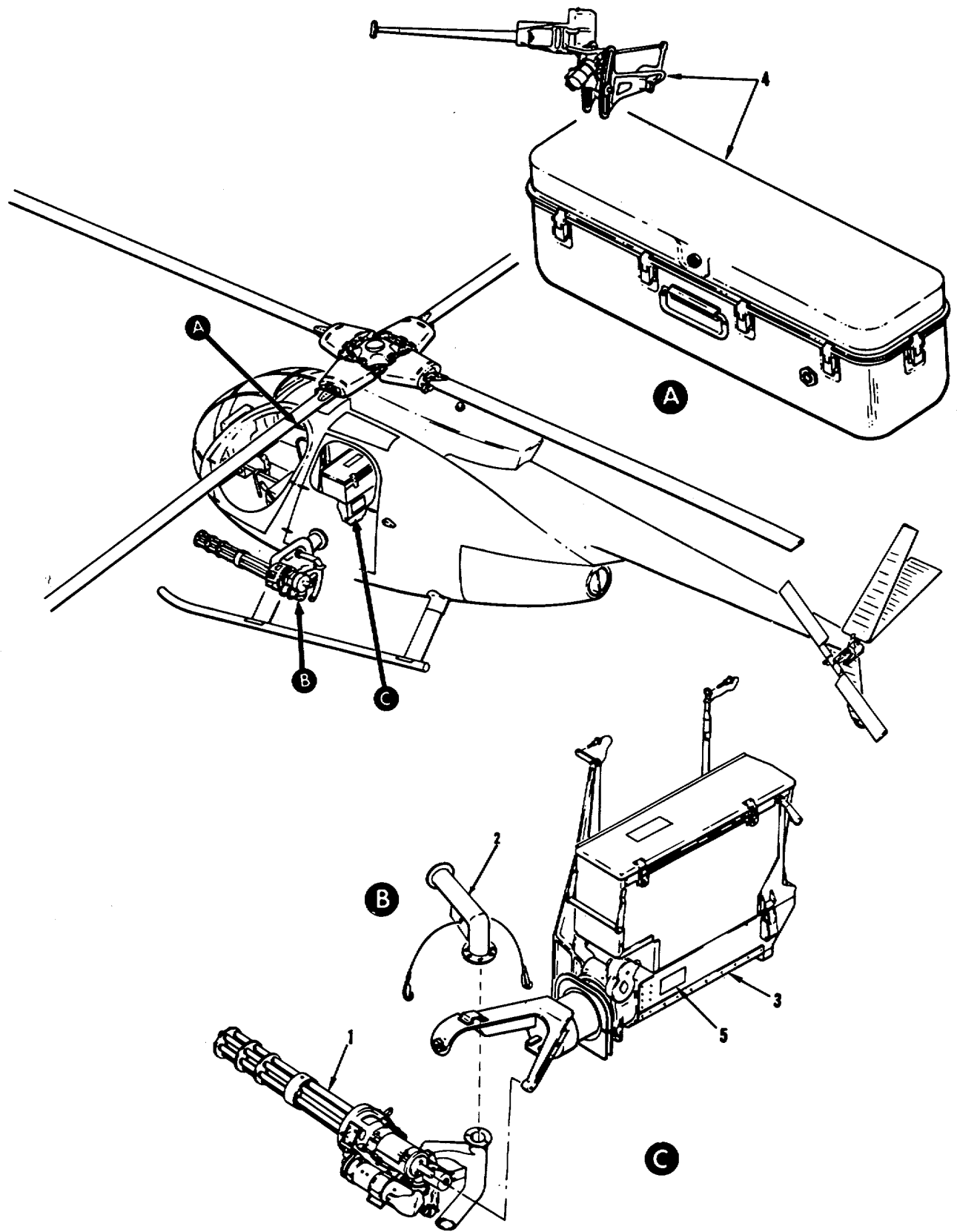
<u>REFERENCE NO.</u>	<u>MFR CODE</u>	<u>FIG. NO.</u>	<u>ITEM NO.</u>	<u>REFERENCE NO.</u>	<u>MFR CODE</u>	<u>FIG. NO.</u>	<u>ITEM NO.</u>
AN255-8	88044	10	2	MS21266-1	96906	11	18
AN690PD10L	88044	2	20	MS21919DG4	96906	11	11
AN960C8L	88044	10	3	MS21919DG8	96906	11	13
AN960C10L	88044	7	10	MS24585-1234	96906	3	18
AN960C10L	88044	10	8	MS24665-153	96906	9	14
AN960C816L	88044	7	6	MS24665-153	96906	11	15
AN960PD8L	88044	11	10	MS24693C275	96906	11	24
AN960PD10L	88044	11	7	MS25281F3	96906	2	2
AN960PD416L	88044	2	17	MS27183-5	96906	9	7
AN960PD516L	88044	9	13	MS27183-12	96906	9	4
MILE43183	81349	17	7	MS28775-007	96906	10	4
MS16555-622	96906	13	8	MS35206-245	96906	11	12
MS16562-100	96906	9	12	MS35206-246	96906	11	9
MS16562-194	96906	3	17	MS35276-261	96906	2	12
MS16562-194	96906	4	2	MS35276-261	96906	7	2
MS16562-231	96906	3	10	MS35276-264	96906	11	6
MS16562-241	96906	6	12	MS35338-136B	96906	13	3
MS16625-1100	96906	11	29	MS39086-141	96906	4	5
MS16625-1137	96906	11	31	MS39086-141	96906	5	1
MS171644	96906	5	5	MS51957-28	96906	9	6
MS17984C405	96906	11	5	MS51957-44	96906	6	4
MS17985C618	96906	11	8	MS51958-62	96906	10	7
MS19060-22	96906	11	28	MS51958-63	96906	6	1
MS20004-10	96906	11	2	MS51958-64	96906	2	3
MS20364.428	96906	11	1	MS51958-66	96906	2	1
MS20995C32	96906	7	1	MS87006-3	96906	15	2
MS20995C41	96906	2	4	MS9122-03	96906	2	19
MS21045-3	96906	11	25	MS9123-09	96906	3	8
MS21045-06	96906	9	5	NAS1091-30H	80205	15	3
MS21083B3	96906	7	9	NAS670-31	80205	9	1
MS21083B4	96906	7	7	PD688	81349	17	8
MS21083B8	96906	7	5	10547031	02731	13	7

Section IV. FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX - Continued

<u>REFERENCE NO.</u>	<u>MFR CODE</u>	<u>FIG. NO.</u>	<u>ITEM NO.</u>	<u>REFERENCE NO.</u>	<u>MFR CODE</u>	<u>FIG. NO.</u>	<u>ITEM NO.</u>
10547479	02731	13	5	11697801	02731	10	9
10547480	02731	13	4	11697825	02731	10	6
10548188	19200	13	10	11697826	02731	10	5
10548189	19200	13	9	11697842	02731	2	5
10549665	02731	1	4	11697845	02731	8	4
11686380	19204	6	3	11697847	02731	12	2
11686583	19204	17	11	11697848	02731	12	1
11686584	19204	14	3	11697850	02731	12	3
11686592	19204	14	1	11697851	02731	12	4
11691076	19204	3	11	11701120	19204	2	9
11691128	19204	16	2	11701122	19204	6	7
11691129	19204	16	3	11701126	19204	6	8
11691134	19204	16	4	11701129	19204	6	5
11691135	19204	17	12	11701130	19204	6	11
11691229	19204	15	8	11701139	19205	6	6
11691238	19204	15	4	11701204	19204	3	13
11697405	02731	1	3	11701207	19205	2	14
11697410	02731	1	1	11701208	19205	2	15
11697411	02731	2	10	11701216	19204	6	9
11697451	02731	2	13	11701219	19204	6	2
11697455	02731	7	8	11701241	19205	2	21
11697460	02731	7	3	11701244	19205	2	16
11697470	02731	2	18	11731095	19200	13	2
11697471	02731	7	4	11731096	19200	13	6
11697472	02731	7	12	11731200	19200	13	1
11697474	02731	7	11	5564174	19205	17	1
11697476	02731	2	6	5910309	19205	3	
11697500	02731	8	3	5910791	19204	14	4
11697501	02731	11	22	5910873	19204	4	
11697508	02731	11	4	5911079	19204	16	1
11697554	02731	11	20	63B10721	19205	4	7
11697555	02731	11	32	63B10878	19204	4	6
11697556	02731	8	5	63B10948	19204	2	8
11697600	02731	11	23	65A9999	19204	5	3
11697604	02731	2	11	65B10047	19204	5	8
11697609	02731	2	22	65B9755	18894	5	4
11697624	02731	11	14	65B9762	19205	3	19
11697626	02731	11	19	65B9768	19204	4	3
11697627	02731	9	16	65B9865	19205	4	9
11697627	02731	11	17	65B9866	19204	3	7
11697630	02731	11	21	65B9867	19205	4	1
11697635	02731	11	3	65B9868	18894	3	1
11697636	02731	11	30	65B9869	18894	3	3
11697637	02731	11	26	65B9878	18894	5	7
11697647	02731	11	27	65B9878-1	19204	5	9
11697700	02731	8	1	65B9879	19205	3	15
11697701	02731	9	19	65B9973	18894	3	5
11697702	02731	9	18	65C9749	18894	3	6
11697713	19204	9	2	65C9750	18894	3	14
11697714	19204	9	10	65C9752	18894	5	2
11697718	02731	9	3	64C9753	18894	5	6
11697719	02731	9	17	65D9770	19205	3	16
11697721	02731	9	15	65D9773	18894	3	2
11697721	02731	11	16	65D9813	18894	3	12
11697752	02731	9	8	65F10057	19204	4	8
11697753	02731	9	9	65F9807	18894	3	4
11697756	02731	9	11	65F9809	18894	3	9
11697770	02731	10	1	65F9857	19204	4	4
11697793	02731	1	2	65F9877	19204	2	23
11697800	02731	8	2	7266109	19204	17	4

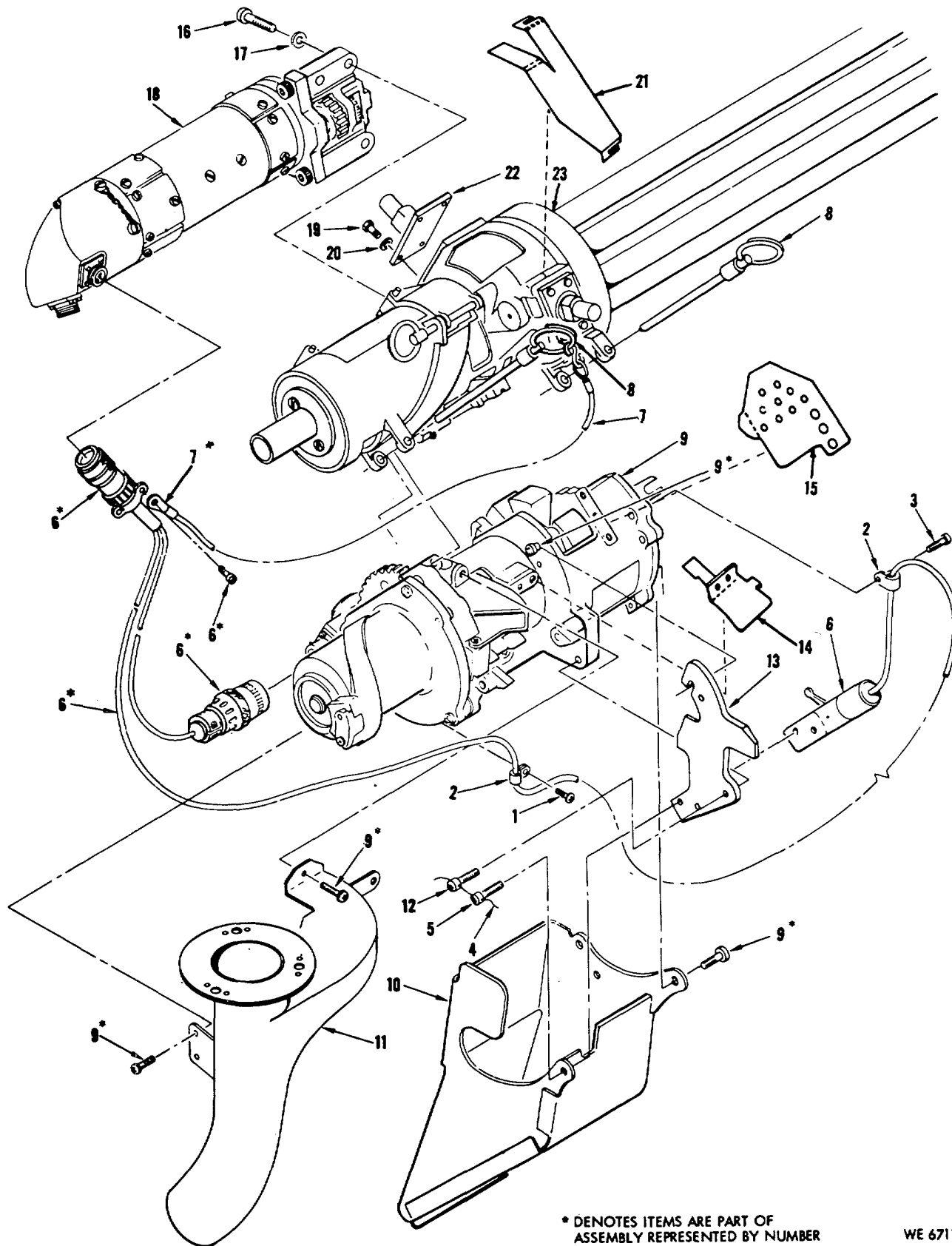
Section IV. FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX - Continued

<u>REFERENCE NO.</u>	<u>MFR CODE</u>	<u>FIG. NO.</u>	<u>ITEM NO.</u>	<u>REFERENCE NO.</u>	<u>MFR CODE</u>	<u>FIG. NO.</u>	<u>ITEM. NO</u>
7266110	19204	17	5	8448126	19204	15	6
7266115	19204	17	6	8448127	19204	15	1
7268275	19204	17	3	8448128	19204	15	5
7790352	19204	17	10	8448129	19204	15	7
7790452	19205	17	2	8448151	19204	15	10
7799773	19204	14	2	8448152	19204	15	11
8447845	19204	6	10	8448153	19204	17	9
8447994	19204	2	7	8448164	19204	15	9



WE 67170

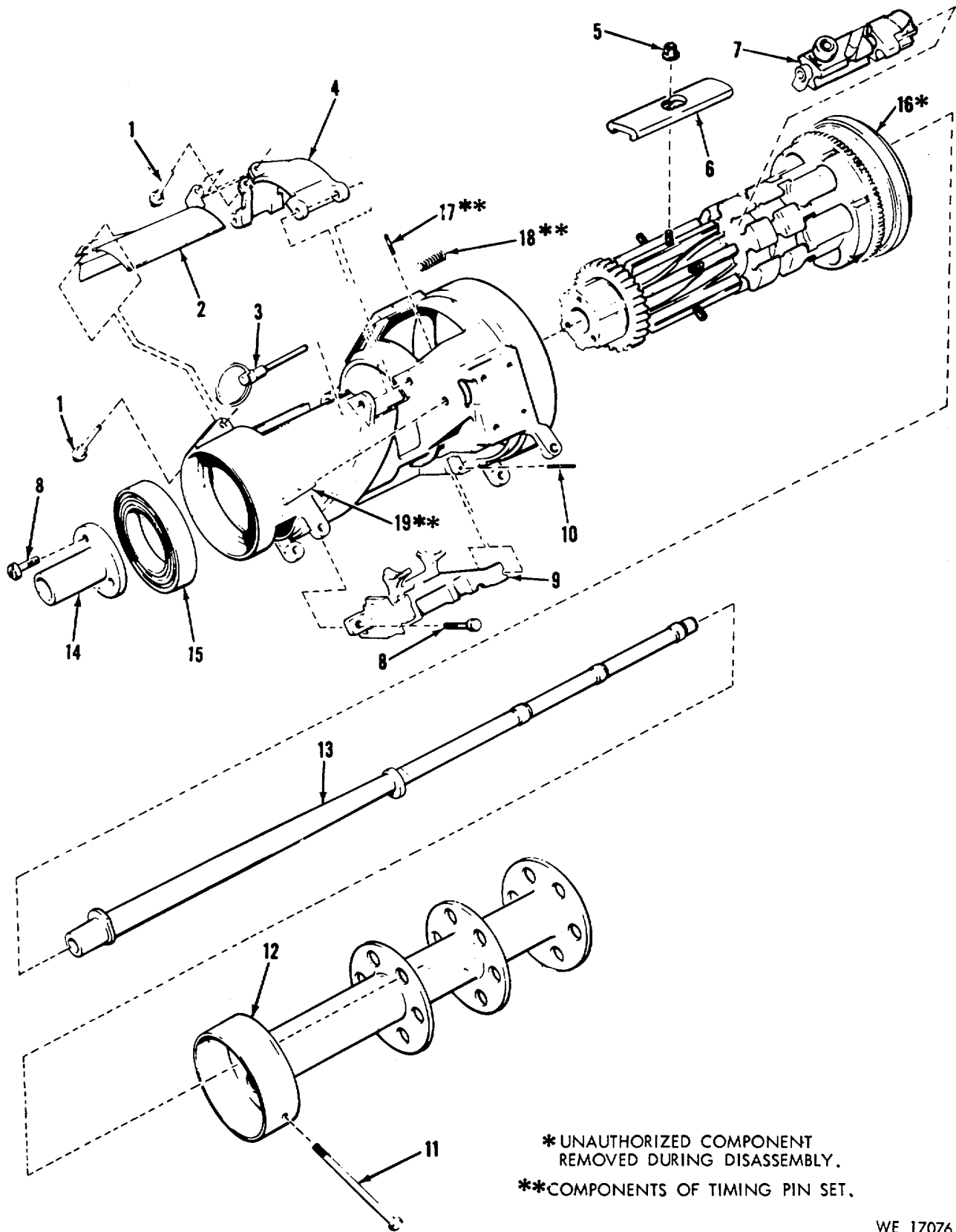
Figure 1. Components of armament subsystem M27.



* DENOTES ITEMS ARE PART OF ASSEMBLY REPRESENTED BY NUMBER

WE 67171

Figure 2. Gun assembly - exploded view.



WE 17076

Figure 3. 7.62 Millimeter machine gun M134 - partially exploded view.

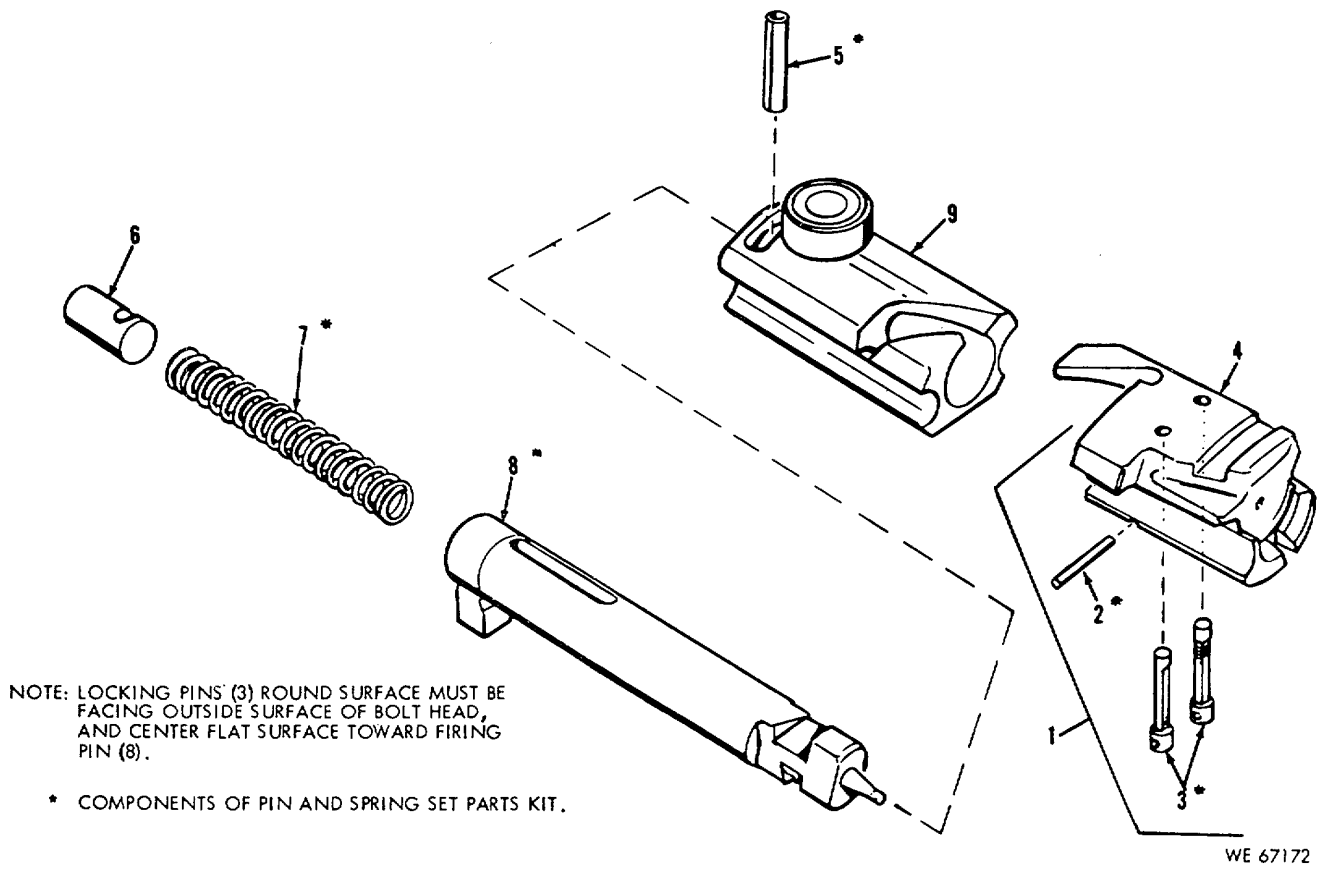


Figure 4. Bolt assembly - exploded view.

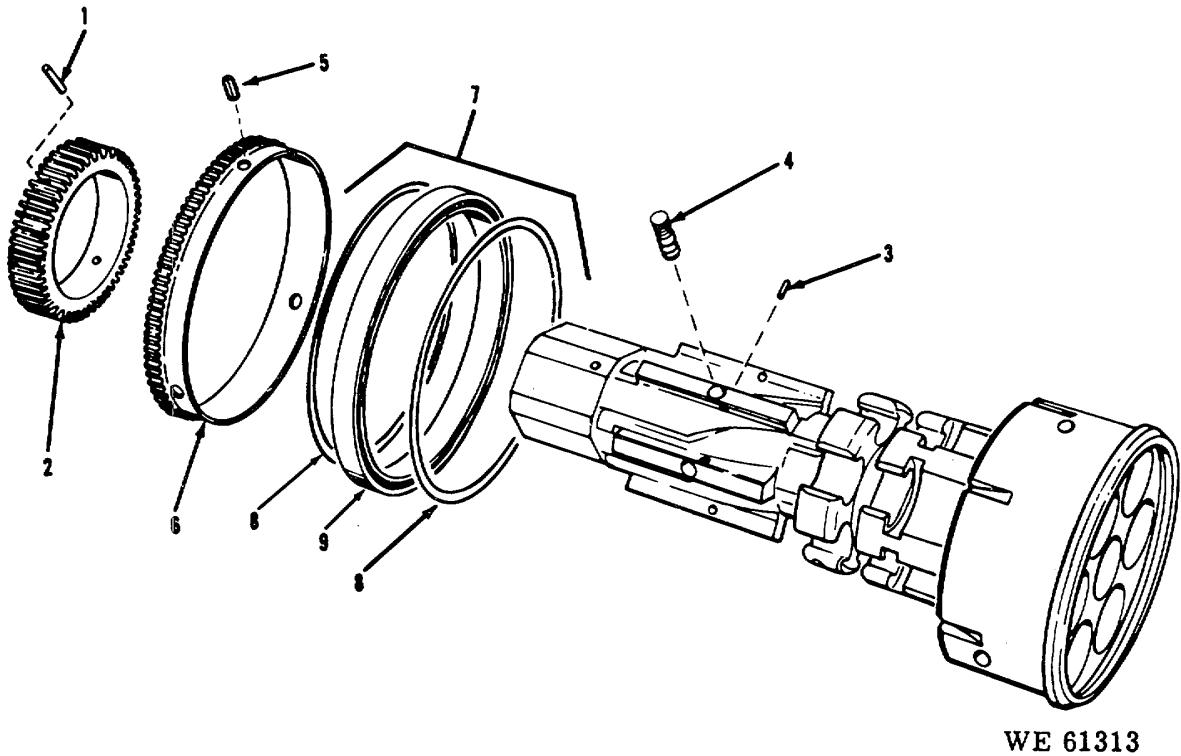
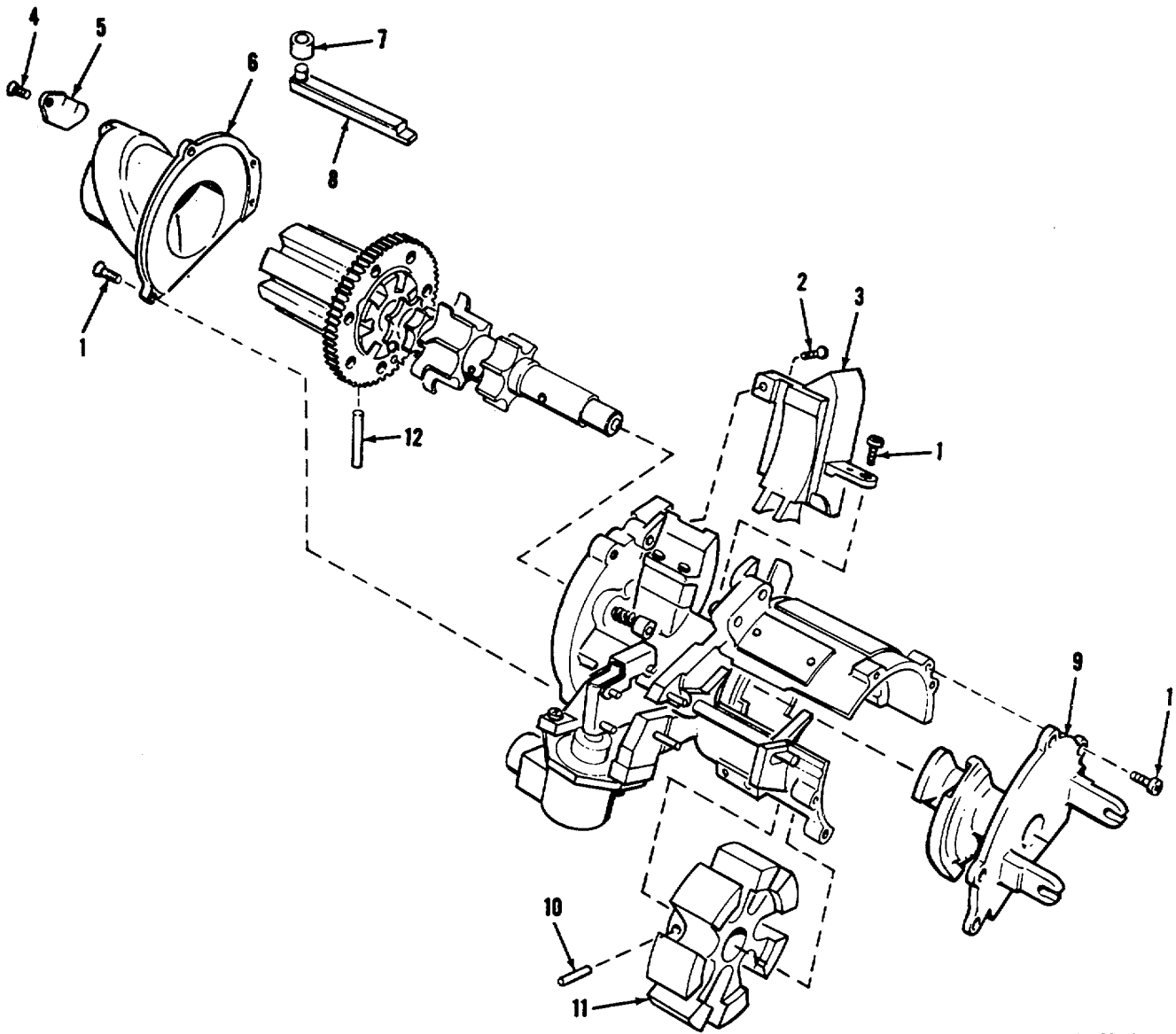


Figure 5. Rotor assembly - partially exploded view.



WE 70974

Figure 6. Delinking feeder MA U-56/A - partially exploded view.

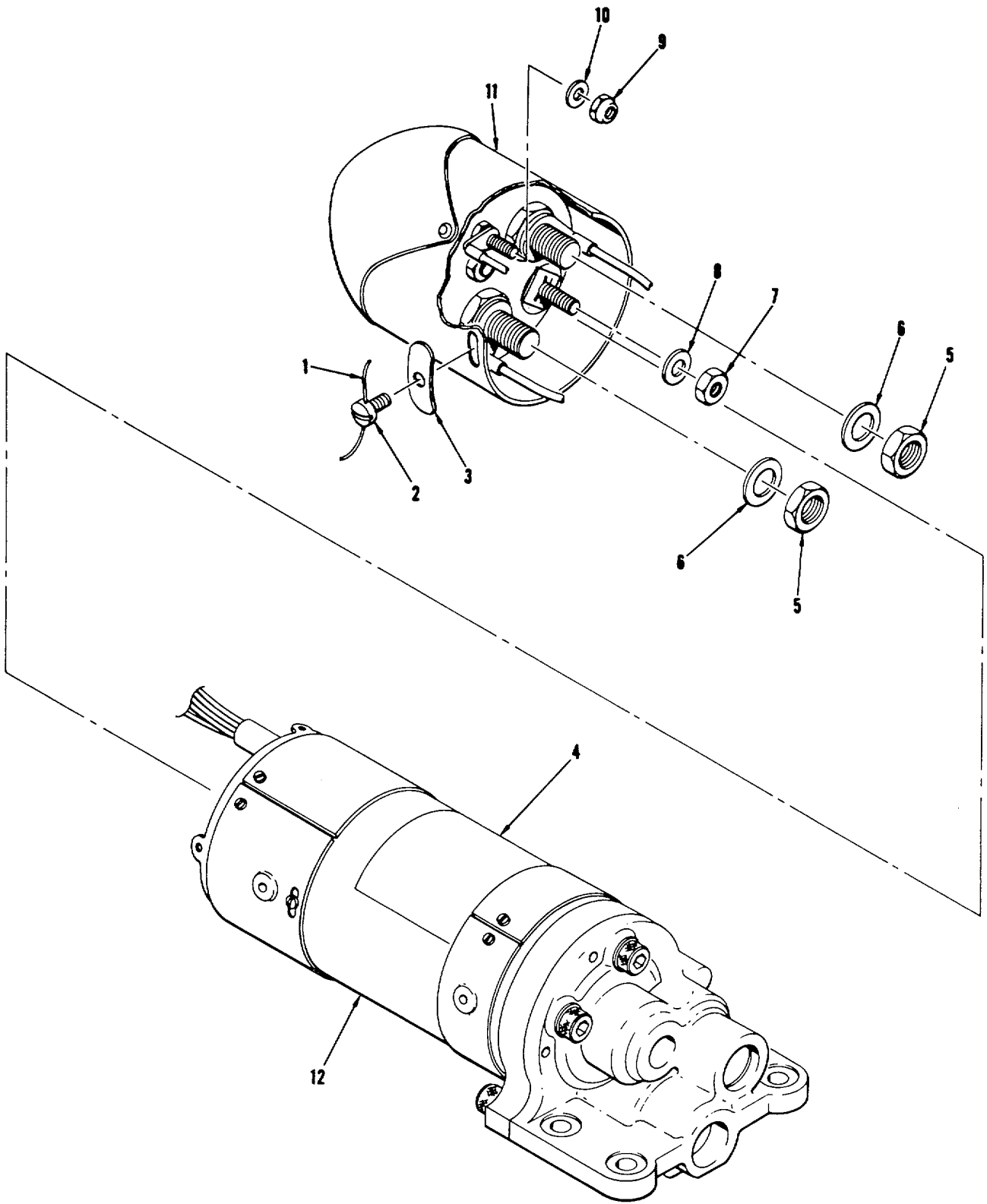
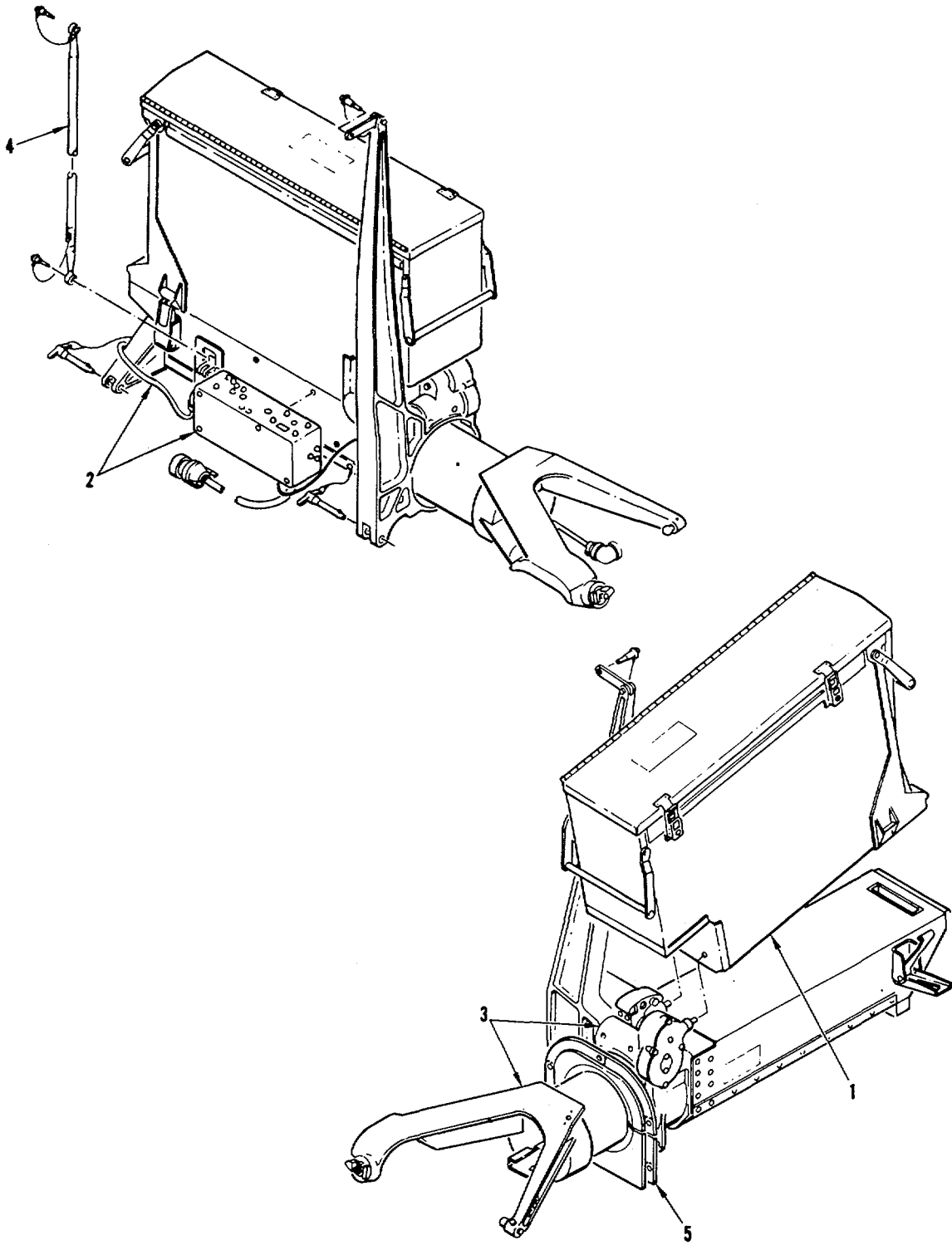
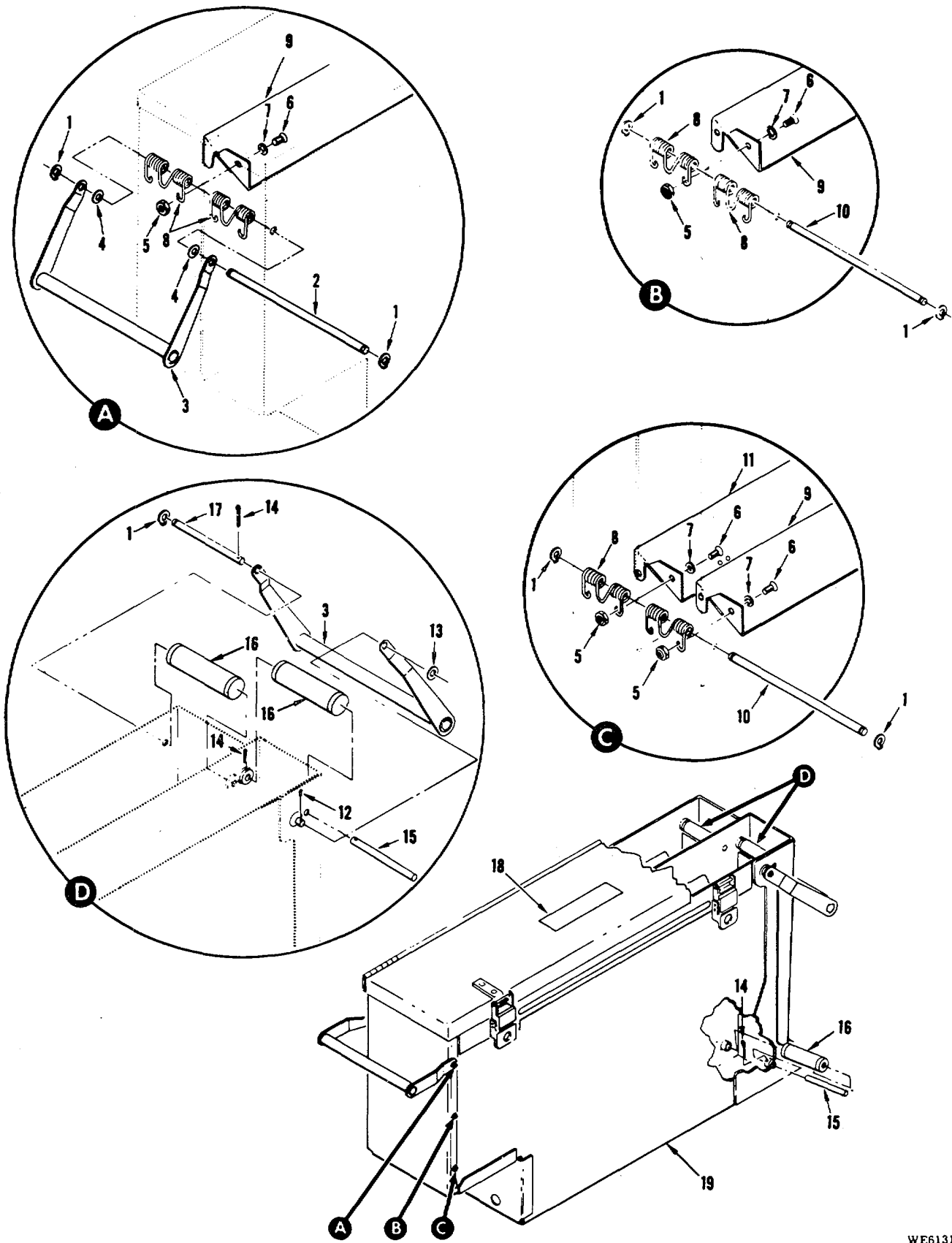


Figure 7. Electric gun drive assembly - partially exploded view.



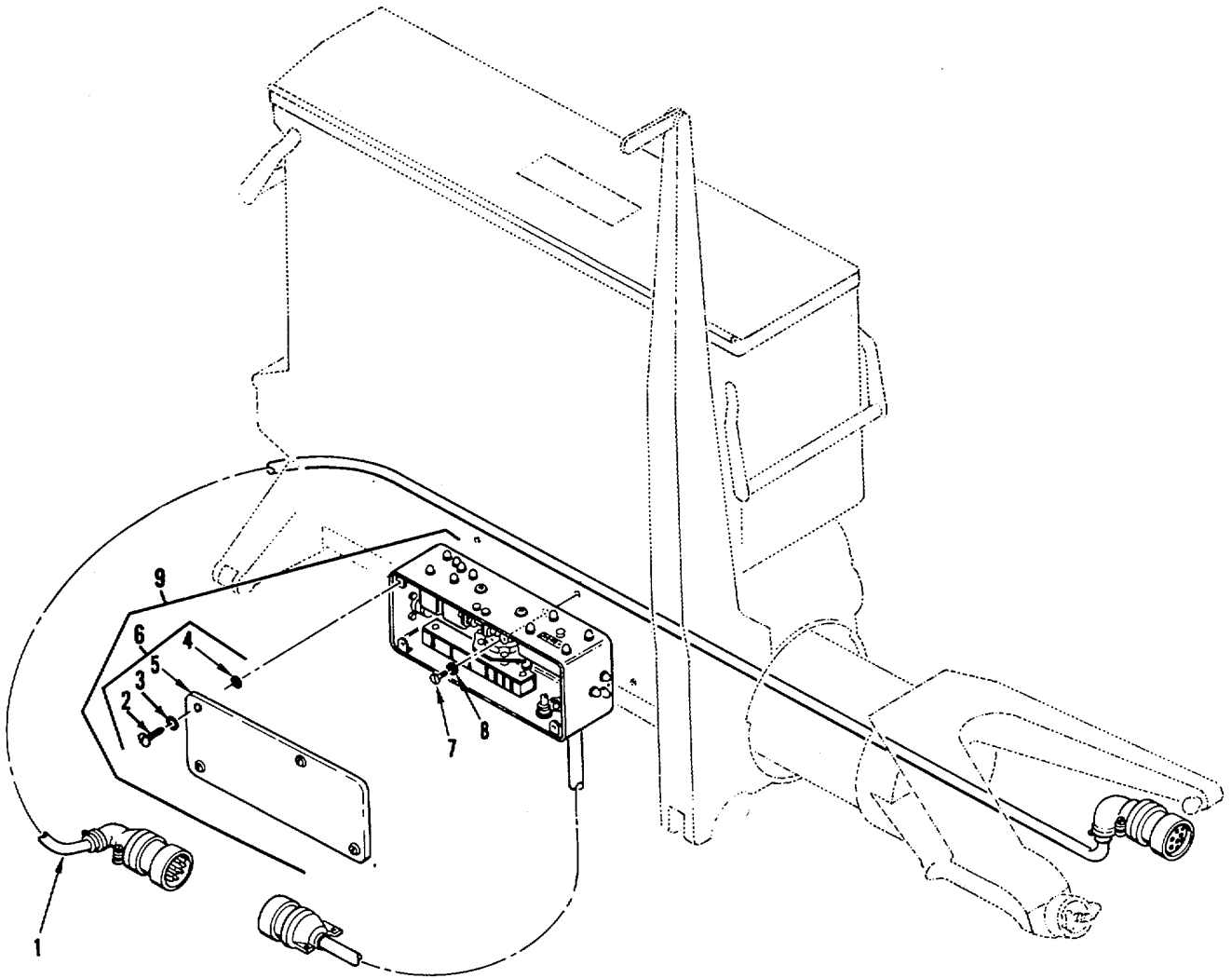
WE 70972

Figure 8. Mount assembly - partially exploded view.



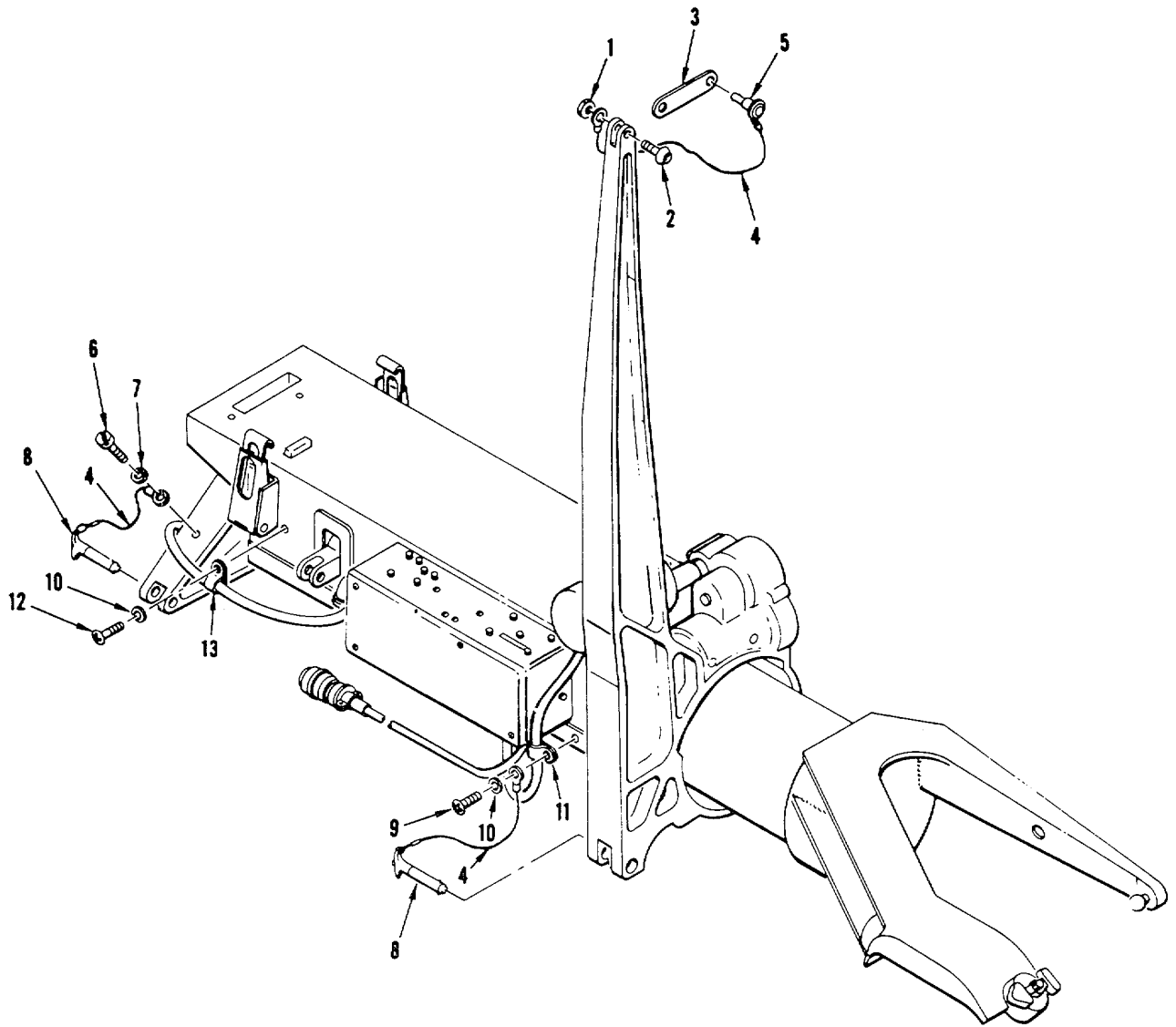
WE61318

Figure 9. Ammunition container assembly - partially exploded view



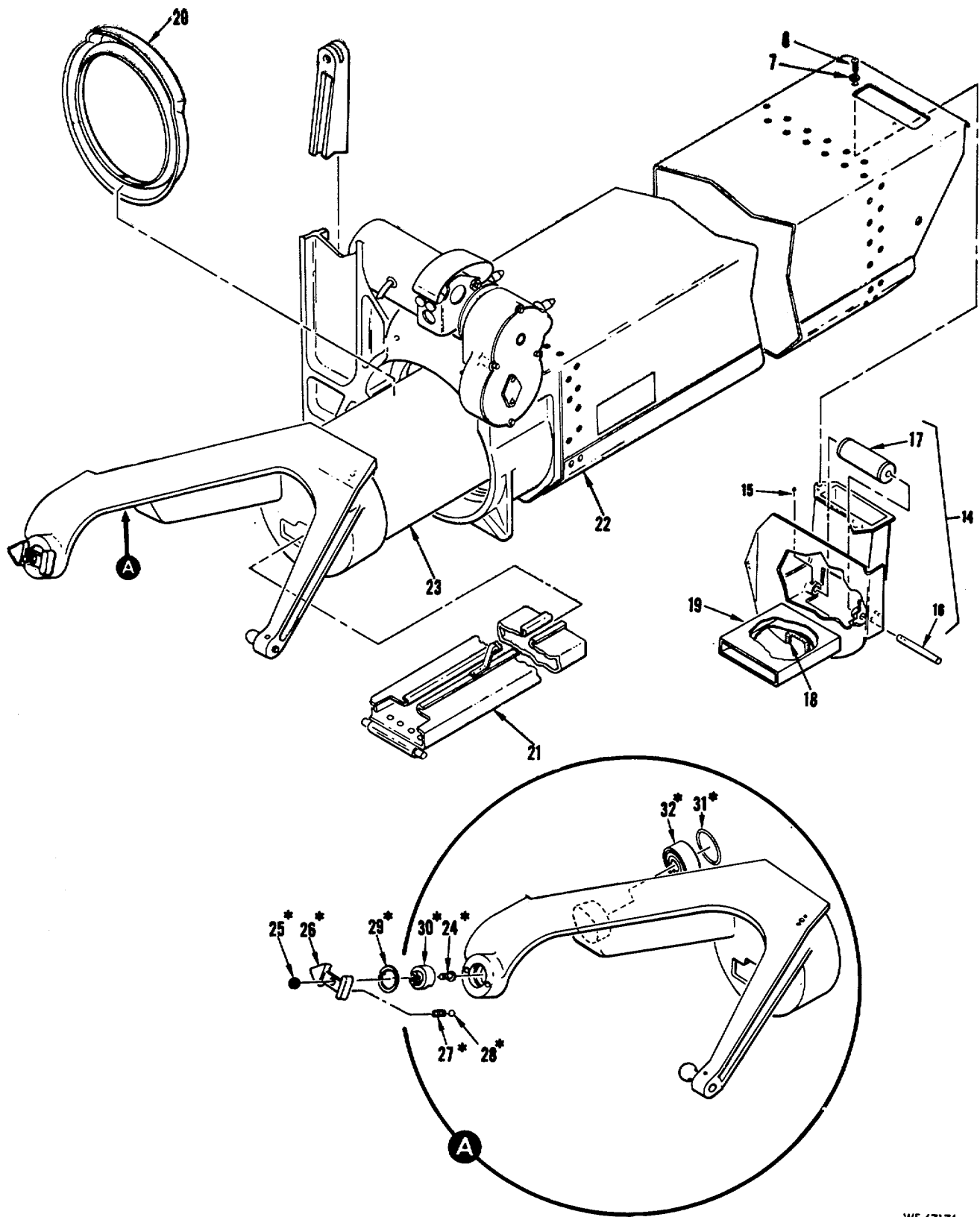
WE 72549

Figure 10. Electrical system assembly - partially exploded view.



WE 67173

Figure 11. Housing and tube assembly -partially exploded view (sheet 1 of 2).



WE 67174

*Denotes items are subassembly components of item 23.

Figure 11. Housing and tube assembly - partially exploded view (sheet 2 of 2).

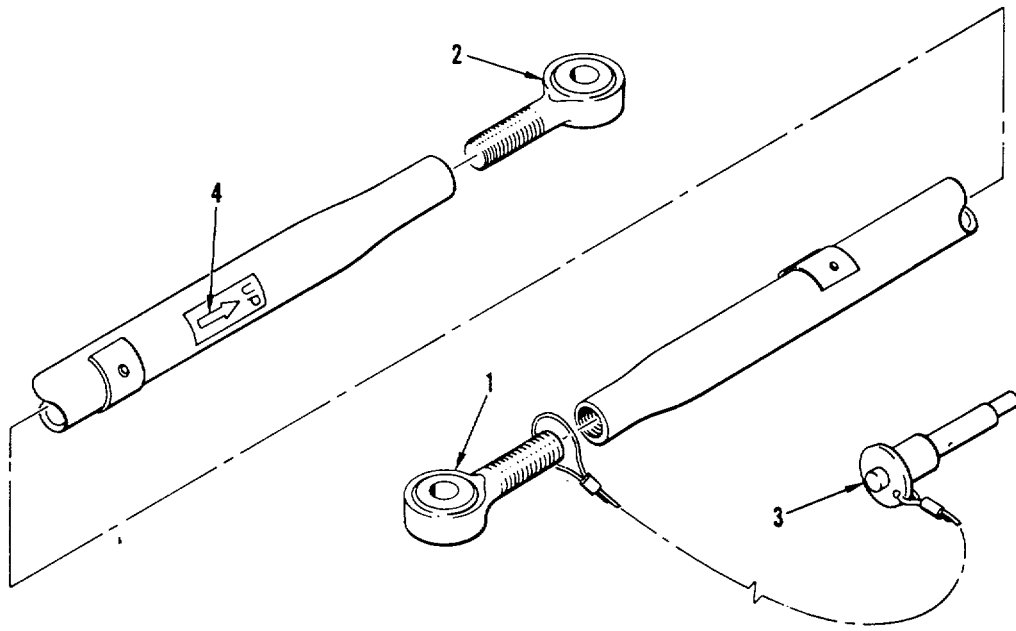
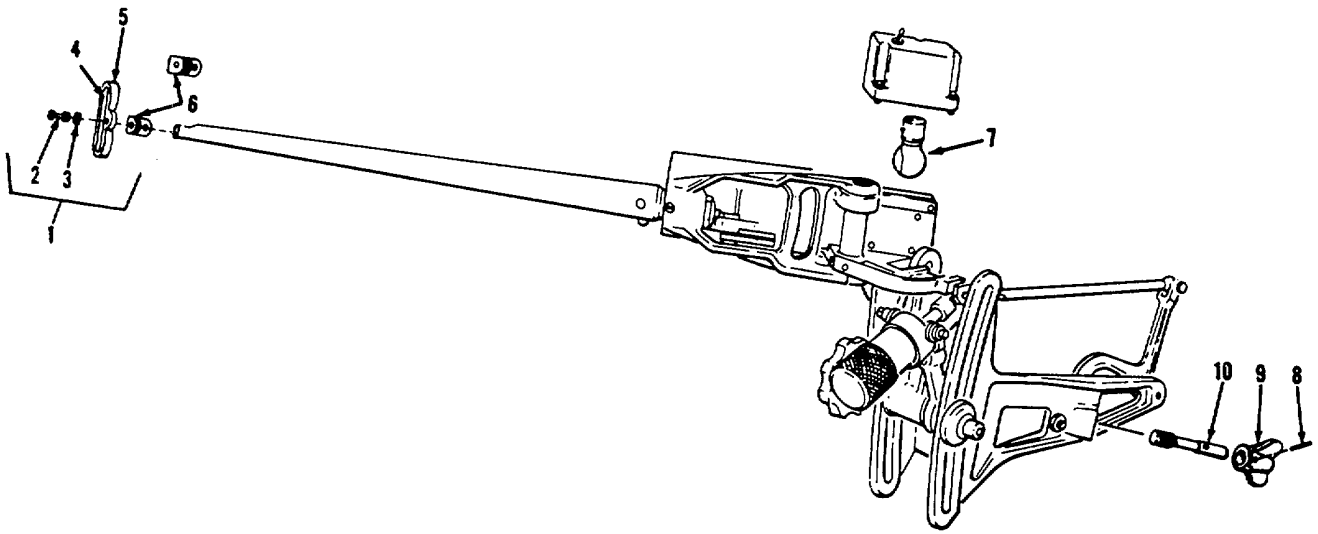
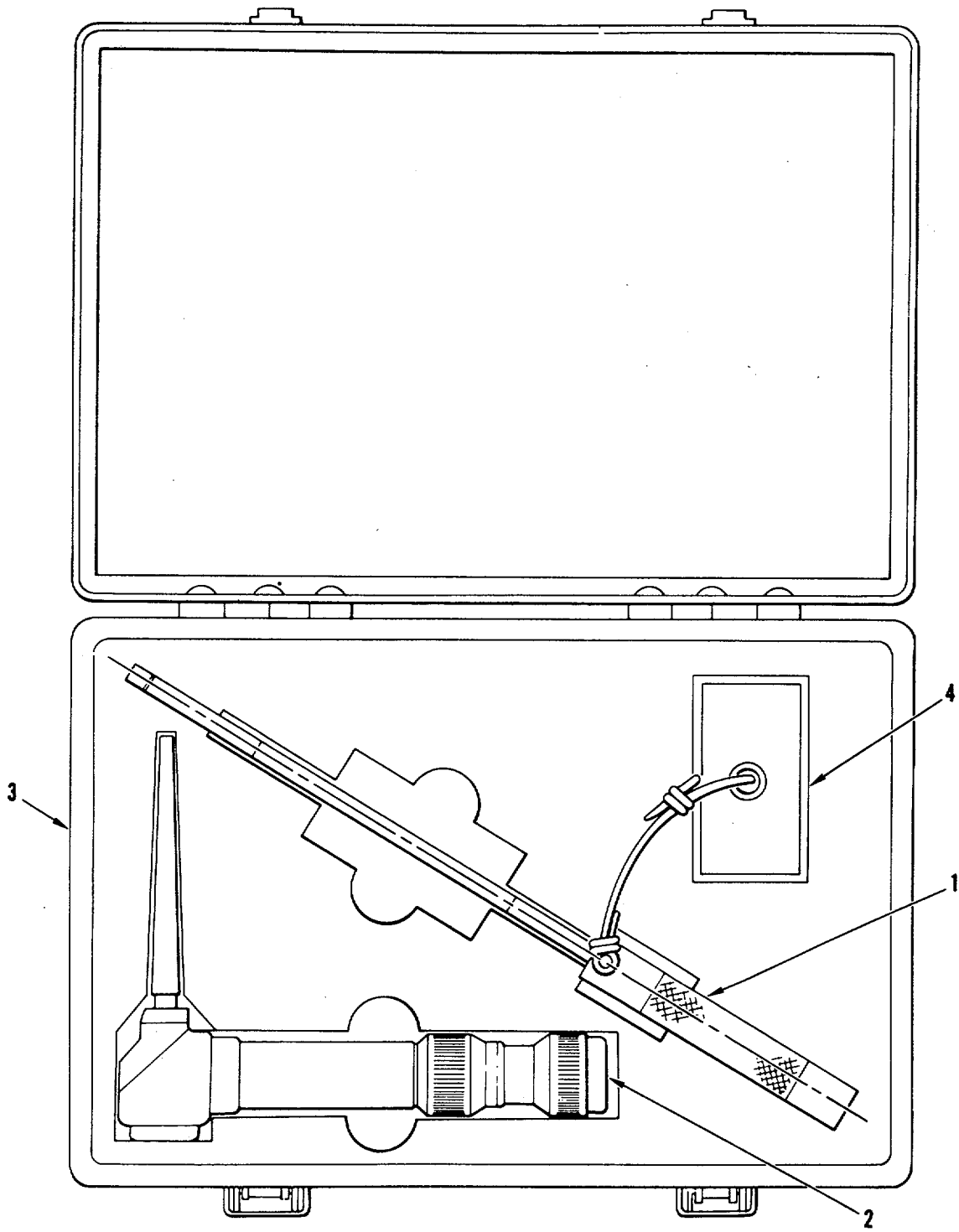


Figure 12. Control rod assembly - partially exploded view.



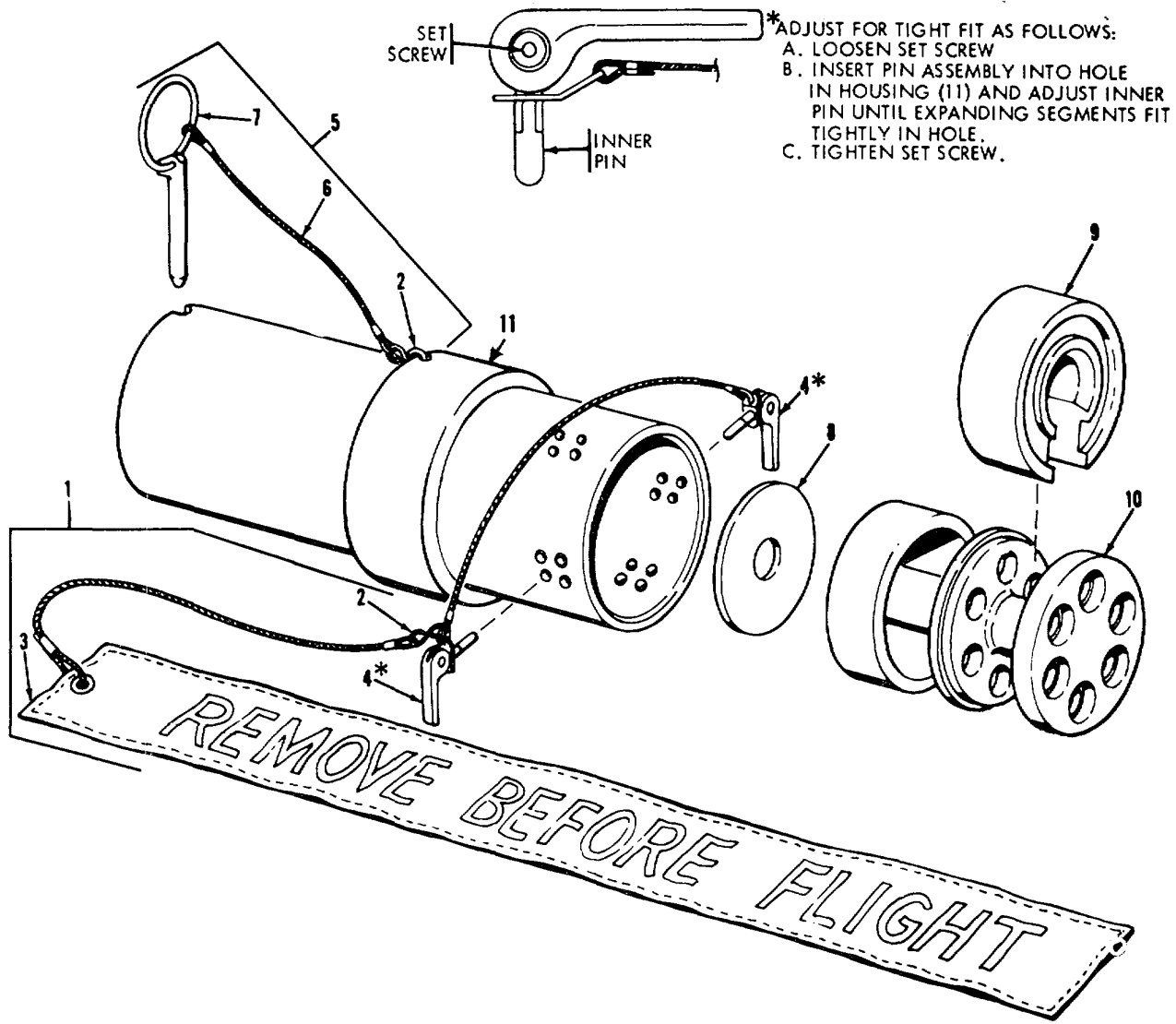
WE 72550

Figure 13. Helicopter reflex sight XM70E1 - partially exploded view.

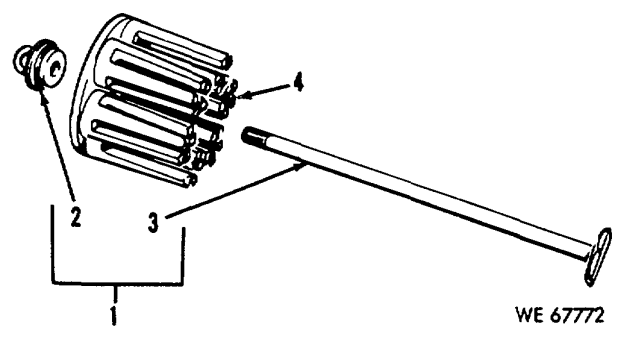


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Figure 14. Boresight kit.



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Figure 15. Bullet trap assembly - partially exploded view.

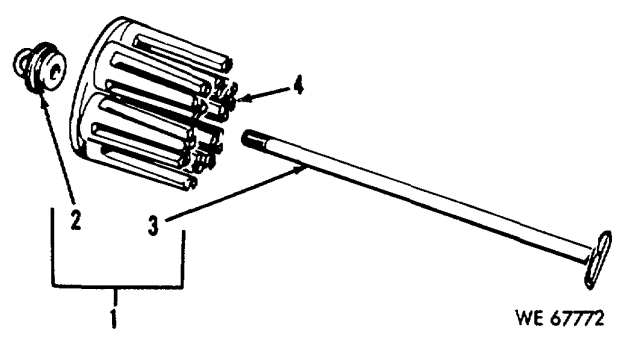
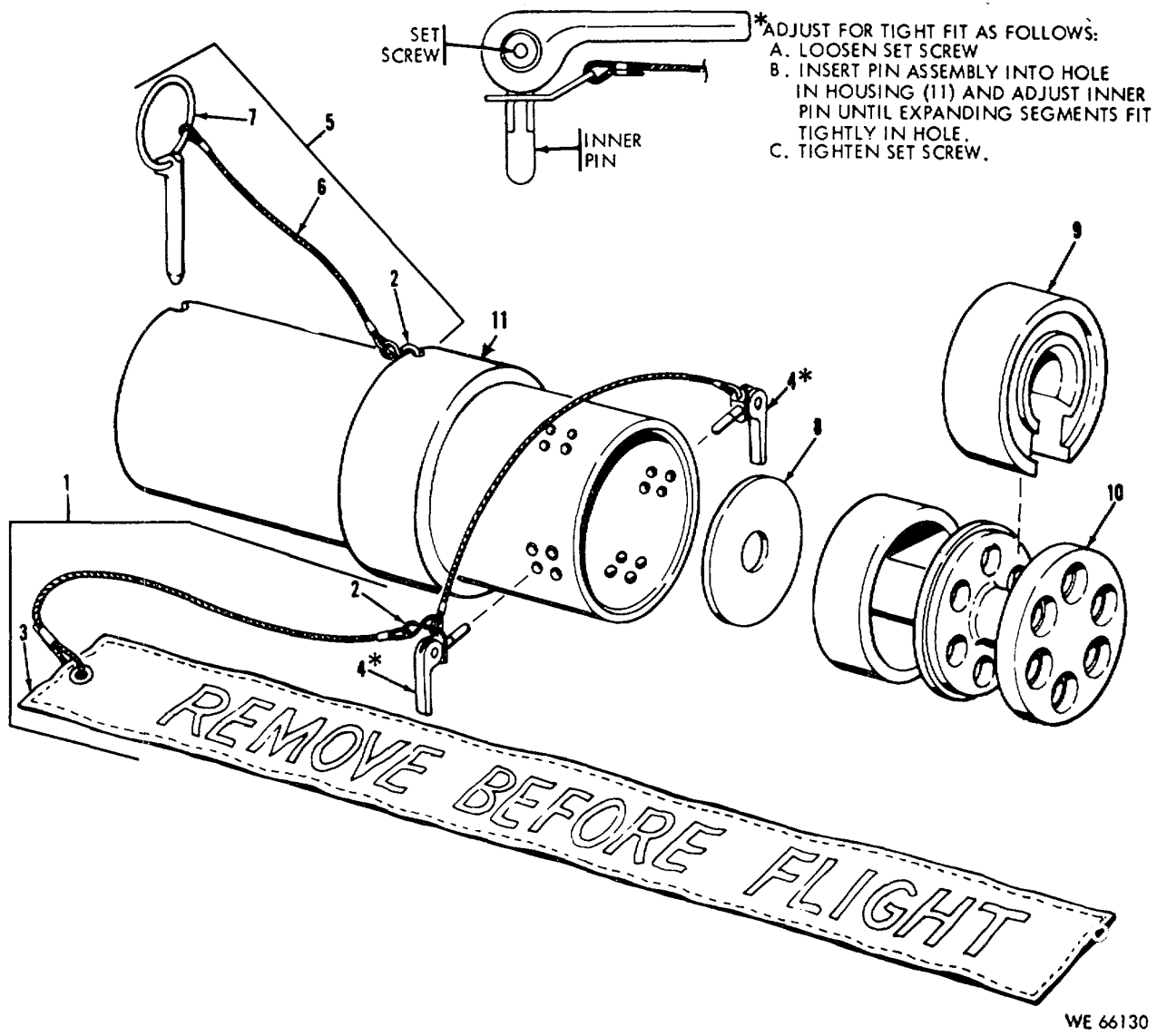
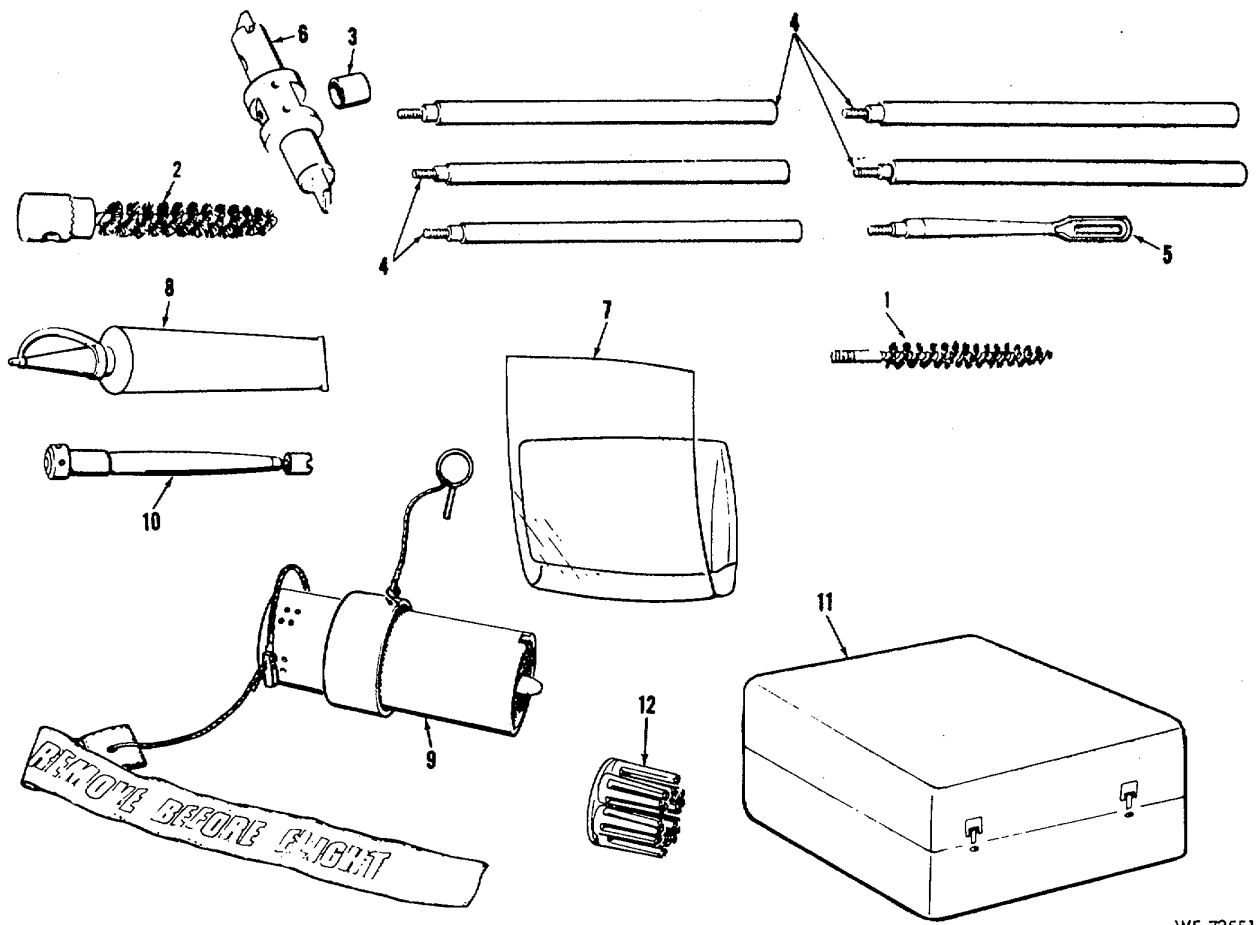


Figure 16. Flash suppressor assembly - exploded view.



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Figure 17. Tools and equipment.

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