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**SUPERSEDES TM 9-1005-245-14,
DATED 7 FEBRUARY 1973**

TECHNICAL MANUAL

**OPERATOR'S, UNIT, AND DIRECT
SUPPORT MAINTENANCE MANUAL
WITH REPAIR PARTS AND
SPECIAL TOOLS LIST (RPSTL)
FOR
MACHINE GUN MOUNTS
AND COMBINATIONS FOR
TACTICAL/ARMORED
VEHICLES AND GROUND MOUNTING
M122 MACHINE GUN TRIPOD
MOUNT (1005-00-710-5599) (EIC:4EF)
M122A1 MACHINE GUN TRIPOD MOUNT
(1005-01-433-1617)
M3 TRIPOD MOUNT
(1005-00-322-9716) (EIC:4EA)
M66 MACHINE GUN
MOUNT RING (1005-00-701-2810)
M240E1 FLEXIBLE MACHINE GUN
MOUNT (1005-01-254-0332)
M142 MACHINE GUN
MOUNT (1005-00-854-4463)
6650 .50 CAL MACHINE GUN
MOUNT (1005-00-704-6650)
M548 MACHINE GUN
MOUNT (1005-00-783-5494)
MK93 MOD 0 MACHINE GUN MOUNT
(USMC ONLY) (1005-01-383-2949)
MK93 MOD 1 MACHINE GUN
MOUNT (1005-01-383-2757)
M6 MACHINE GUN PEDESTAL
MOUNT (1005-01-411-6341)
M197 MACHINE GUN
MOUNT (1005-01-413-4098)**

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DECEMBER 1994

**HEADQUARTERS, DEPARTMENT OF THE ARMY, MARINE
CORPS, AND AIR FORCE**

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ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322

WARNING

It is essential that operational procedures for the machine gun be followed before installing on a mount. Dangerous procedures such as mounting, dismounting, cleaning, repairing, or operating a machine gun on a mount without first having knowledge of the operation of the machine gun and all safety precautions to be followed could result in injury or death to personnel. DO NOT attempt to mount or dismount or inspect or repair a mounted machine gun without first clearing the machine gun chamber and feedways of ammunition.

WARNING

Case is under spring tension. To avoid injury to personnel, use care when removing case.

WARNING

To avoid injury to your eyes, use care when removing and installing spring-loaded parts.

WARNING

To avoid injury to your eyes, wear safety glasses when grinding parts.

WARNING

Do not keep live ammunition near work/maintenance area.

WARNING

Dry cleaning solvent (SD) is flammable. Do not clean parts near an open flame or in a smoking area. Dry cleaning solvent evaporates quickly and has a drying effect on the skin. When used without protective gloves, solvent may cause irritation to or cracking of the skin.

WARNING

Some objects covered in this manual are heavy and need two soldiers to lift.

WARNING

Some objects are hot to the touch. Ensure proper cooling has occurred before handling.

CHANGE
NO. 5

ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322
HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington D.C., 22 March 2002

**OPERATOR'S, UNIT, AND DIRECT SUPPORT MAINTENANCE MANUAL
WITH REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL)
FOR
MACHINE GUN MOUNTS AND COMBINATIONS
FOR TACTICAL/ARMORED VEHICLES AND GROUND MOUNTING
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MK93 MOD 0 MACHINE GUN MOUNT (USMC ONLY) (1005-01-383-2949)
MK93 MOD 1 MACHINE GUN MOUNT (1005-01-383-2757)
M6 MACHINE GUN PEDESTAL MOUNT (1005-01-411-6341)
M197 MACHINE GUN MOUNT (1005-01-413-4098)**

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Remove Pages

None
i thru vi
1-1 thru 1-4
1-11 and 1-12
2-7 and 2-8
2-13 and 2-14
16-1 thru 16-5/(16-6 blank)
A-1 and A-2
B-9/(B-10 blank)
C-7 and C-8

Insert Pages

A thru C/(D blank)
i thru vi
1-1 thru 1-4
1-11 and 1-12
2-7 thru 2-8.1/(2-8.2 blank)
2-13 and 2-14
16-1 thru 16-5/(16-6 blank)
A-1 and A-2
B-9/(B-10 blank)
C-7 and C-8

**ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322**

Remove Pages

C-39-1 thru C-44-1/(C-44-2 blank)
None
I-1 thru I-22
None
Index-1 thru Index-8
2028-2
Front Cover and Warning Page

Insert Pages

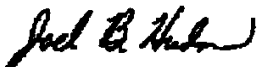
C-39-1 thru C-44-1/(C-44-2 blank)
C-45-1 thru C-48-1/(C-48-2 blank)
I-1 thru I-23/(I-24 blank)
F-1 and F-2
Index-1 thru Index-7/(8 blank)
2028
Front Cover and Warning Page

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By Order of the Secretary of the Army:

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General, United States Army
Chief of Staff

Official:



JOEL B. HUDSON
Administrative Assistant to the
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CHANGE
NO.4

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington D.C., 5 March 1998

OPERATOR'S, UNIT, AND DIRECT SUPPORT MAINTENANCE MANUAL
WITH REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL)
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Remove Pages

i thru ii
v thru vi
1-3 thru 1-4
1-9 thru 1-12
2-3 thru 2-6
2 9- thru 2-12
14-1 thru 14-15/(14-16 blank)
15-3 thru 15-4
B-7 thru B-9/(B-10 blank)
C-30-1 thru C-33-2
C-36-1 thru C-39
I-7 thru I-23
E-1 thru E-2
Front Cover and Warning Page


Insert Pages

i thru ii
v thru vi
1-3 thru 1-4
1-9 thru 1-12
2-3 thru 2-6
2 9- thru 2-12
14-1 thru 14-16
15-3 thru 15-4
B-7 thru B-9/(B-10 blank)
C-30-1 thru C-33-2
C-36-1 thru C-39
I-7 thru I-22
E-1 thru E-2
Front Cover and Warning Page

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*Administrative Assistant to the
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DENNIS J. REIMER
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NO. 3

HEADQUARTERS
DEPARTMENT OF THE ARMY
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OPERATOR'S, UNIT, AND DIRECT SUPPORT MAINTENANCE MANUAL
WITH REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL)
FOR
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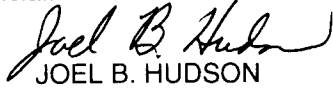
Remove Pages	Insert Pages
i thru vi	i thru vi
1-3 thru 1-6	1-3 thru 1-6
1-11/(1-12 blank)	1-11 and 1-12
2-1 thru 2-13/(2-14 blank)	2-1 thru 2-21/(2-22 blank)
3-1 thru 3-3/(3-4 blank)	3-1 thru 3-3/(3-4 blank)
4-3 thru 4-9/(4-10 blank)	4-3 thru 4-10
None	15-1 thru 15-7/(15-8 blank)
None	16-1 thru 16-5/(16-6 blank)
A-1 and A-2	A-1 and A-2
B-7 thru B-9/(8-10 blank)	B-7 thru B-9/(B-10 blank)
c-37-1	C-37-1 thru C-44-1
I-9 thru I-20	I-9 thru I-23
Index-1 thru Index-7/(Index-8 blank)	Index-1 thru Index-8
Front Cover and Warning Page	Front Cover and Warning Page

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JOEL B. HUDSON

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OPERATOR'S, UNIT, AND DIRECT SUPPORT MAINTENANCE MANUAL
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Remove Pages

i thru vi
1-1 thru 1-6
6-1 thru 6-17/6-18 blank
9-1 thru 9-8
B-3 thru B-6
C-7 thru C-8
C-1-1 thru C-7-1
C-22-1 thru C-24-1
I-1 thru I-25

Insert Pages

i thru vi
1-1 thru 1-6.1/1-6.2 blank
6-1 thru 6-20
9-1 thru 9-7/9-8 blank
B-3 thru B-6
C-7 and C-8
C-1-1 thru C-7-1
C-22-1 thru C-24-1/C-24-2 blank
I-1 thru I-20

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JOEL B. HUDSON

*Administrative Assistant to the
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NO.1

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Remove Pages

i thru v/(vi blank)
1-1 thru 1-8
2-1 thru 2-8
9-1 thru 9-8
None
None
B-1 and B-2
B-5 thru B-7/(B-8 blank)
C-1 and C-2
C-30-1
I-1 thru I-20
Index-1 thru Index-6
Front Cover and Warning Page

Insert Pages

i thru vi
1-1 thru 1-11/(1-12 blank)
2-1 thru 2-13/(2-14 blank)
9-1 thru 9-4
13-1/(13-2 blank)
14-1 thru 14-15/(14-16 blank)
B-1 and B-2
B-5 thru B-9/(B-10 blank)
C-1 and C-2
C-30-1 thru C-37-1
I-1 thru I-25
Index-1 thru Index-7/(Index-8 blank)
Front Cover and Warning Page

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Yvonne M. Harrison

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Administrative Assistant to the
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Dates of issue for original and changed pages are:

Original 0 15 December 1994	Change 3 15 October 1997
Change 1 4 March 1996	Change 4 5 March 1998
Change 2 8 October 1997	Change 5 22 March 2002

TOTAL NUMBER OF PAGES IN THIS PUBLICATION IS 344, CONSISTING OF THE FOLLOWING:

Page No.	*Change No.	Page No.	*Change No.	Page No.	*Change No.
Cover	5	2-13	3	6-12	2
Warning Page	0	2-14	5	6-13	2
A	5	2-15	3	6-14	2
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C/(D blank)	5	2-17	3	6-16	2
i	5	2-18	4	6-17	2
ii	5	2-19	3	6-18	2
iii	5	2-20	3	6-19	2
iv	5	2-21/(2-22 blank)	3	6-20	2
v	5	3-1	0	7-1	0
vi	5	3-2	3	7-2	0
1-1	5	3-3/(3-4 blank)	3	7-3	0
1-2	2	4-1	0	7-4	0
1-3	4	4-2	0	7-5	0
1-4	5	4-3	0	7-6	0
1-4.1/(1.4.2 blank)	3	4-4	3	7-7	0
1-5	3	4-5	3	7-8	0
1-6	2	4-6	0	7-9	0
1-6.1/1-6.2 blank)	2	4-7	0	7-10	0
1-7	1	4-8	3	7-11	0
1-8	1	4-9	0	7-12	0
1-9	0	4-10	3	7-13	0
1-10	4	5-1	0	7-14	0
1-11	4	5-2	0	7-15	0
1-12	5	5-3	0	7-16	0
2-1	3	5-4	0	7-17	0
2-2	3	5-5/(5-6 blank)	0	7-18	0
2-3	4	6-1	2	7-19	0
2-4	4	6-2	2	7-20	0
2-5	3	6-3	2	7-21	0
2-6	4	6-4	2	7-22	0
2-7	5	6-5	2	7-23/(7-24 blank)	0
2-8	5	6-6	2	8-1	0
2-8.1/(2-8.2 blank)	5	6-7	2	8-2	0
2-9	4	6-8	2	8-3	0
2-10	4	6-9	2	8-4	0
2-11	4	6-10	2	8-5	0
2-12	4	6-11	2	8-6	0

*Zero in this column indicates an original page

LIST OF EFFECTIVE PAGES -- Cont.

Dates of issue for original and changed pages are:

Original0 15 December 1994	Change 3 15 October 1997
Change 1 4 March 1996	Change 4 5 March 1998
Change 2 8 October 1997	Change 5 22 March 2002

Page No.	*Change No.	Page No.	*Change No.	Page No.	*Change No.
8-7	0	14-12	1	C-1-1	2
8-8	0	14-13	4	Figure C-2	2
8-9	0	14-14	4	C-2-1	2
8-10	0	14-15	4	Figure C-3	2
8-11/(8-12 blank)	0	14-16	4	C-3-1	2
9-1	2	15-1	3	Figure C-4	2
9-2	2	15-2	3	C-4-1	2
9-3	2	15-3	4	Figure C-5	2
9-4	2	15-4	3	C-5-1	2
9-5	2	15-5	3	Figure C-6	2
9-6	2	15-6	3	C-6-1	2
9-7/(9-8 blank)	2	15-7/(15-8 blank)	3	C-7-1	2
10-1	0	16-1	5	C-8-1	0
10-2	0	16-2	5	C-9-1	0
10-3	0	16-3	5	Figure C-10	0
10-4	0	16-4	5	C-10-1	0
10-5/(10-6 blank)	0	16-4.1	5	C-10-2	0
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11-3	0	A-1	5	Figure C-12	0
11-4	0	A-2	3	C-12-1	0
11-5	0	B-1	1	Figure C-13	0
11-6	0	B-2	0	C-13-1	0
11-7	0	B-3	2	Figure C-14	0
11-8	0	B-4	2	C-14-1	0
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HEADQUARTERS
DEPARTMENT OF THE ARMY
U.S. MARINE CORPS
U.S. AIR FORCE
Washington, DC., 15 December 1994

**Operator's, Unit, and Direct Support Maintenance Manual
with Repair Parts and Special Tools List (RPSTL)
for
Machine Gun Mounts and Combinations
for Tactical/Armored Vehicles and Ground Mounting
M122 Machine Gun Tripod Mount (1005-00-710-5599) (EIC: 4EF)
M122A1 Machine Gun Tripod Mount (1005-01-433-1617)
M3 Tripod Mount (1005-00-322-9716) (EIC: 4EA)
M66 Machine Gun Mount Ring (1005-00-701-2810)
M240E1 Flexible Machine Gun Mount (1005-01-254-0332)
M142 Machine Gun Mount (1005-00-854-4463)
6650 .50 Cal Machine Gun Mount (1005-00-704-6650)
M548 Machine Gun Mount (1005-00-783-5494)
MK93 MOD 0 Machine Gun Mount (USMC Only) (1005-01-383-2949)
MK93 MOD 1 Machine Gun Mount (1005-01-383-2757)
M6 Machine Gun Pedestal Mount (1005-01-411-6341)
M197 Machine Gun Mount (1005-01-413-4098)**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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*This manual supersedes TM 9-1005-245-14, dated 7 February 1973, including all changes.

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HOW TO USE THIS MANUAL

This manual contains operator's, unit, and direct support maintenance procedures for the various gun mounts. Chapter 1 contains general information; equipment description and data; and principles of operation. Chapter 2 contains operating instructions and operator preventive maintenance checks and services (PMCS). Chapter 3 contains operator maintenance. Chapter 4 contains unit PMCS and troubleshooting. Chapter 5 contains direct support troubleshooting. Chapters 6 through 16 contain unit and direct support maintenance for the various gun mounts.

Be sure to read and understand maintenance instructions before beginning any maintenance task.

CHAPTER 1

INTRODUCTION

Section I. GENERAL INFORMATION

1-1. SCOPE

- a. **Type of Manual:** Operator, Unit, and Direct Support Maintenance.
- b. **Model Number and Equipment Name:** Gun Mounts.

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 personnel will use TM 4700-15/1, Equipment Record Procedures.

1-3. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE

Refer to TM 750-244-6.

1-4. PREPARATION FOR STORAGE AND SHIPMENT

Refer to paragraph 4-7.

1-5. OFFICIAL NOMENCLATURE, NAMES, AND DESIGNATIONS

NOMENCLATURE CROSS-REFERENCE LIST

Common Name	Official Nomenclature
Equilibrator spring.....	Torsion spiral spring
Flexible wire.....	Nonelectrical wire
Helical torsion spring	Torsion helical spring
Mechanism assembly.....	Elevating and traversing mechanism
Pintle lock cap	Pintle socket cap
Quick release pin assembly	Quick-release pin
Remote control lever	Manual control lever
Retaining pin.....	Spring pin
Roller bearing	Plain solid disk
Seal.....	Mechanical felt
Shock absorber mounting bracket.....	Mounting bracket
Traversing and elevating mechanism.....	Elevating and traversing mechanism

1-6. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

If your gun mounts need 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. Put it on an SF 368 (Product Quality Deficiency Report). Mail it to us at: ATTN: AMSTA-AR-QAW (C), TACOM-ARDEC, 1 Rock Island Arsenal, Rock Island, IL 61299-7300. We'll send you a reply. Air Force users submit Materiel Deficiency Report (MDR) to: Dir Mat Mgt Robins AFB GA//MMQC// and Quality Deficiency report to: Dir Mat Mgt Robins AFB GA//MMQC// IAW Technical Order 00-35D-54, Technical Manual, USAF, Materiel Deficiency Reporting and Investigating System.

1-6. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR) (cont)

Marine Corps personnel, submit SF 368 to Commander (Code 808-1), Marine Corps Logistics Bases, Albany, GA 31704-5000 in accordance with MCO 4855.10 (Quality Deficiency Report).

1-7. CORROSION PREVENTION AND CONTROL

a. Corrosion prevention and control (CPC) of Army materiel 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 future items.

b. 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.

c. If a corrosion problem is identified, it can be reported using a SF 368, Product Quality Deficiency Report. Use of keywords such as "corrosion," "rust," "deterioration," or "cracking" will assure that the information is identified as a CPC problem.

d. Submit the form to: Commander, US. Army Armament Research, Development and Engineering Center, ATTN: AMSTA-AR-QAW (R)/Customer Feedback Center, Rock Island, IL 61299-7300. Air Force users submit Materiel Deficiency Report (MDR) to: Dir Mat Mgt Robins AFB GA//MMQC// IAW Technical Order 00-35D-54, Technical Manual, USAF, Materiel Deficiency Reporting and Investigating System.

Section II. EQUIPMENT DESCRIPTION AND DATA

1-8. EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES

a. M122/M122A1 Machine Gun Tripod Mount.

(1) Component assembly designed as defensive ground mounting for M60 machine gun, M240B/M240G machine gun, and M249 squad automatic weapon system (SAWS).

(2) Composed of a folding tripod, pintle, and traversing and elevating mechanism.

(3) Flexible mount for use with M240B/M240G machine gun.

b. M3 Machine Gun Tripod Mount.

(1) Component assembly designed as defensive ground mounting for M2 machine gun and MK19 machine gun.

(2) Composed of a folding tripod, pintle, and traversing and elevating mechanism.

c. M66 Machine Gun Mount Ring.

(1) Ring mounts are component assemblies designed for installation on trucks or combat vehicles to support a machine gun mount. Cab support structures are separate and must be acquired from HQ, TACOM, for individual vehicles.

(2) Composed of a pintle socket, pintle clamping screw, ring assembly, and brake assembly.

d. M240E1 Flexible Machine Gun Mount.

- (1) Component assembly upon which a machine gun is directly mounted.
- (2) Composed of a cradle, pintle, ammunition box tray, and securing pins or latches.
- (3) Purpose is to hold a machine gun and ammunition and provide the capability to elevate, depress, and traverse the machine gun.
- (4) Should be installed into a pintle socket of a post, pedestal, ring, or cupola mount located on the vehicle.

e. M142 Machine Gun Mount.

- (1) Component assembly upon which a machine gun is directly mounted.
- (2) Composed of a cradle, pintle, ammunition box tray, and securing pins or latches.
- (3) Purpose is to hold a machine gun and ammunition and provide the capability to elevate, depress, and traverse the machine gun.
- (4) Should be installed into a pintle socket of a post, pedestal, ring, or cupola mount located on the vehicle.

f. 6650 .50 Cal Machine Gun Mount.

- (1) Component assembly upon which a machine gun is directly mounted.
- (2) Composed of a cradle, pintle, ammunition box tray, and securing pins or latches.
- (3) Purpose is to hold a machine gun and ammunition and provide the capability to elevate, depress, and traverse the machine gun.
- (4) Should be installed into a pintle socket of a post, pedestal, ring, or cupola mount located on the vehicle.

g. M548 Machine Gun Mount.

- (1) Component assembly designed as attaching device for mounting the M66 ring on the M548 carrier.
- (2) Composed of four support legs, two with spare ammo can holders, and attaching hardware for the carrier and the M66 ring.

h. MK93 MOD 0 Machine Gun Mount.

- (1) Component assembly designed as a defensive ground mount for the MK19 MOD 3 and M2 HB machine guns onto the M3 tripod.
- (2) Composed of a carriage assembly and yoke assembly.

i. MK93 MOD 1 Machine Gun Mount.

- (1) Component assembly designed as a defensive ground mount for the MK19 MOD 3 and M2 HB machine guns onto the HMMWV ring assembly.
- (2) Composed of MK93 MOD 0 machine gun mount, .50 caliber ammo holder assembly, mounting bracket, catch bag assembly, universal pintle adapter (UPA), and traverse and elevation mechanism (T&E).

j. M6 Machine Gun Pedestal Mount.

(1) Component assembly designed as attaching device for mounting the M60, M249, and M240B machine gun on the M998/M1038/M1097 High Mobility Multipurpose Wheeled Vehicle (HMMWV) (Cargo/Troop Carrier series of HMMWVs).

(2) Composed of a base plate, column assembly, and securing pins and latches.

(3) Purpose is to hold an M60, M249, or M240B machine gun and ammunition and provide the capability to elevate, depress, and traverse the machine gun.

k. M197 Machine Gun Mount.

(1) Component assembly designed to attach M60, M249 and M240B machine guns to the M6 gun pedestal or the M1025/M1026/M1114 High Mobility Multipurpose Wheeled Vehicle (HMMWV) (Armament Carrier).

(2) Composed of travel lock assembly, travel lock bracket assembly, pintle adapter assembly, and a pintle (Mount Pintle or Pintle Assembly (for the M249 and M240B only)).

(3) The deflector kit is an additional item authorized for support of the M240B machine gun (see Additional Authorization List (AAL) appendix F).

(4) Travel lock components and the M122 Pintle are additional items authorized for support of the M60 (see Additional Authorization List (AAL) appendix F).

1-9. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS

Not applicable.

1-10. DIFFERENCES BETWEEN MODELS

a. Machine Gun Mounts. Machine gun mounts differ in a combination of the cradle assembly, pintle assembly, and ammunition tray. The cradle assemblies differ in design to fit and support the different models of machine guns and corresponding ammunition trays. Pintle assemblies differ in the type of mounting shank. Pintle assemblies with the straight type shank are designed to fit the pintle socket on ring mounts.

b. Gun Mount Pedestals. Gun mount pedestals differ only in the design of the column and braces. Each gun mount pedestal is designed to be installed on a different model 1/4 ton truck. Pintle sockets on all gun mount pedestals are designed to fit machine gun mounts with the stepped pedestal shanks.

c. Gun Mount Rings

(1) Gun mount rings differ in design of the ring assemblies, pintle sockets, brake assemblies, and mounting supports. One type is a solid ring assembly and the other is a multiple ring assembly. The solid type ring has a carriage assembly with the pintle socket for the straight type machine gun mount and pintle shank. The brake is located on the carriage which travels around the ring.

(2) The multiple type ring has a fixed ring for mounting to the vehicle, a revolving ring which carries the pintle socket for the stepped type machine gun mount and pintle shanks, a brake assembly, and a backrest assembly. The M66 ring is a multiple ring type mount.

(3) The M548 carrier uses the M66 ring with attaching supports from the M548 mounting kit. The M66 ring is capable of mounting the M2 machine gun using the 6650 pintle mount or the M60 machine gun using the M142 pintle mount.

1-11. EQUIPMENT DATA

a. Machine Gun Mounts.

(1) M142 Machine Gun Mount (8426671)

Weight 95.00 lb (43.09 kg)
 Elevation.....+80 degrees
 Depression-20 degrees
 Traverse 360 degrees

(2) M122/M122A1 Machine Gun Tripod Mount (7790723/12976949)

Weight - M122 15.00 lb (6.80 kg)
 M122A1 33.00 lb (14.97 kg)
 Elevation - (free gun).....+21 degrees
 (locking (T&E))+19 degrees
 Depression - (free gun)-45 degrees
 (locking (T&E))-25 degrees
 Traverse - (free gun) 360 degrees
 (w/traversing bar) 50 degrees

(3) M3 Machine Gun Tripod Mount (8403398)

Weight 44.00 lb (19.96 kg)
 Elevation.....+5.6 degrees
 Depression-14 degrees
 Traverse- (free gun) 360 degrees
 (locking (T&E)) 45 degrees

(4) M240E1 Flexible Machine Gun Mount (12597090)

Weight 18.00 lb (8.16 kg)
 Elevation.....+60 degrees
 Depression-5 degrees
 Traverse 360 degrees

(5) M142 Machine Gun Mount (10900945)

Weight 30.00 lb (13.61 kg)
 Elevation.....+80 degrees
 Depression-20 degrees
 Traverse 360 degrees

(6) 6650 .50 Cal Machine Gun Mount (7046650)

Weight 40.00 lb (18.14 kg)
 Elevation.....+80 degrees
 Depression-20 degrees
 Traverse 360 degrees

(7) M548 Machine Gun Mount (11631740-2)

Weight 324.00 lb (146.97 kg)
Traverse 360 degrees

(8) MK93 MOD 0 Machine Gun Mount (6650450) (USMC Only)

Weight 30.00 lb (13.61 kg)
Elevation +67 degrees
Depression -27 degrees

(9) MK93 MOD 1 Machine Gun Mount (6650717)

Weight 135.00 lb (61.23 kg)
Elevation +67 degrees
Depression -27 degrees

(10) M197 Machine Gun Mount (12956264)

Weight 15.00 lb (6.80 kg)
Traverse 360 degrees

b. Gun Mount Ring.

M66 Machine Gun Mount Ring

Weight 300.00 lb (136.08 kg)
Traverse 360 degrees

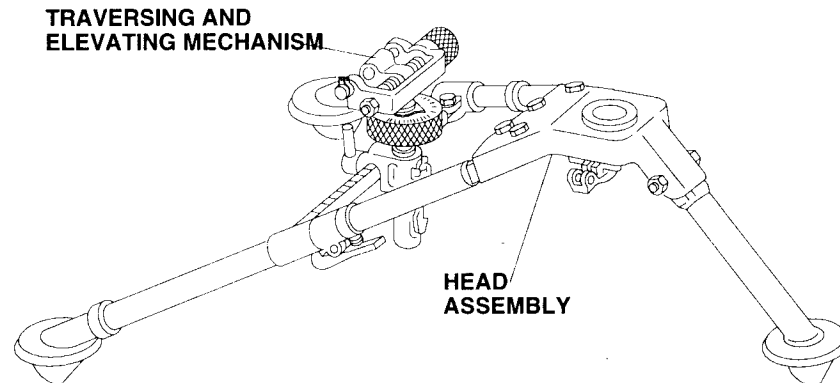
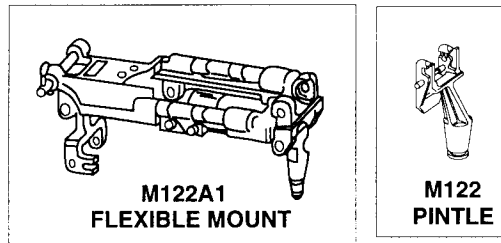
c. Gun Mount Pedestal.

M6 Machine Gun Pedestal Mount (12956270)

Weight 104.00 lb (47.17 kg)
Elevation +34 degrees
Depression -20 degrees
Traverse 360 degrees

Section III. PRINCIPLES OF OPERATION

1-12. PRINCIPLES OF OPERATION



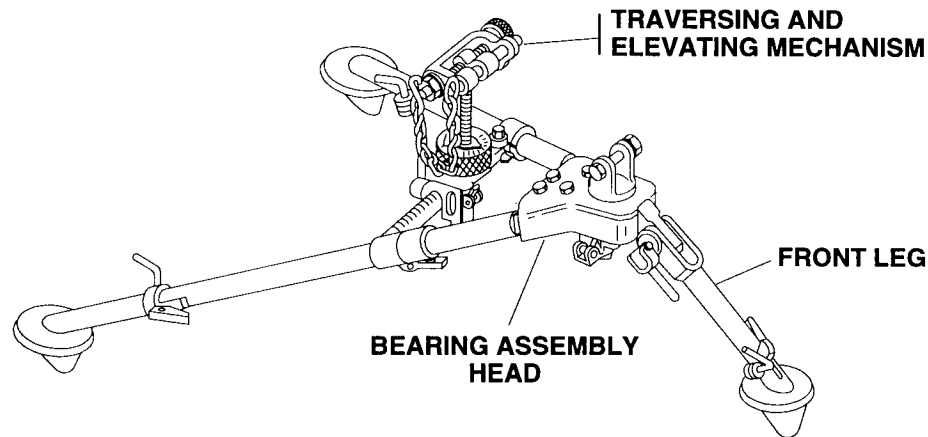
a. M122/M122A1 Machine Gun Tripod Mount.

(1) Traversing and elevating mechanism. The bar and bearing assembly head serve as a rear support for traversing and elevating mechanism, which in turn supports the M60/M240B/M240G/M249 machine gun. M122/M122A1 tripod mount has a double, screw-type traversing and elevating mechanism. The upper screw is attached to the yoke, which is connected to the M60/M240B/M240G/M249 machine gun by the quick release pin through the holes in the rear mounting lugs of the receiver assembly. A scale shows 250 mils in depression and 100 mils in elevation. A setscrew fastens the elevating handwheel to the upper elevating screw, permitting the handwheel graduations to be synchronized with those on the screw. The traversing sleeve and screw are clamped in place on the bar by the traversing slide lock lever. The traversing sleeve is properly mounted when the lock lever is to the rear and the traversing handwheel is positioned to the left. The traversing and elevating mechanism requires an adapter for the M60 and M249 machine guns.

(2) The M122 tripod has three tubular folding legs connected at the head assembly. The rear legs are joined together by the traversing bar assembly. The head assembly furnishes a front support for the machine gun through a pintle attached to the machine gun and the tripod.

(3) The M122A1, similar to the M122, utilizes the flexible mount for the M240B and M240G machine guns. The flexible mount replaces the pintle and provides soft recoil capability.

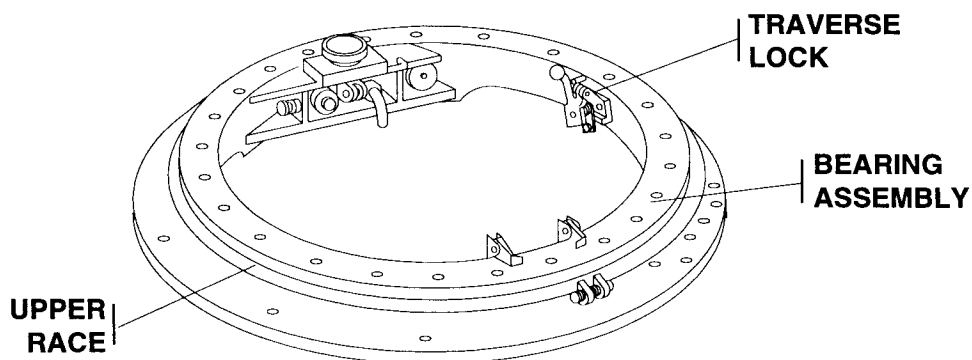
1-12. PRINCIPLES OF OPERATION (cont)



b. M3 Tripod Mount.

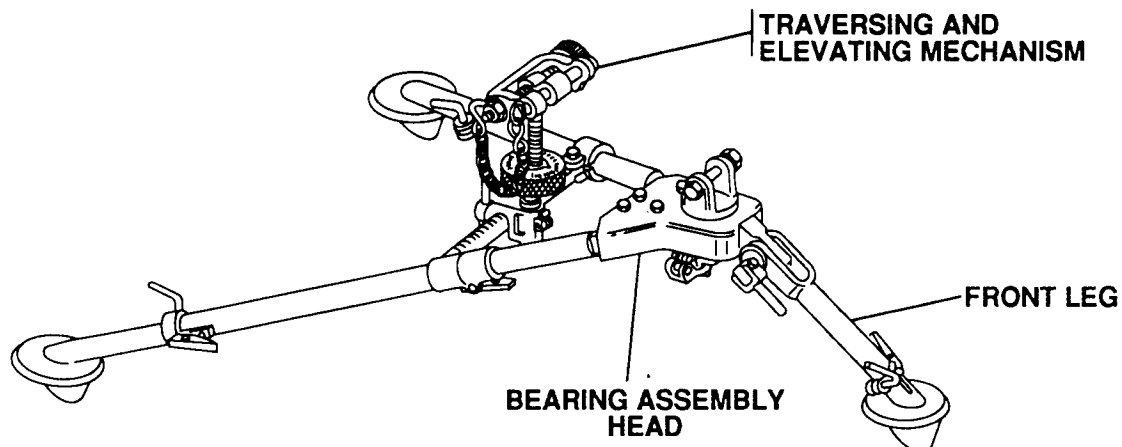
(1) Traversing and elevating mechanism. The traversing bar assembly serves as a rear support for traversing and elevating mechanism, which in turn supports the M2 machine gun. The M3 tripod has a double, screw-type traversing and elevating mechanism. The upper screw is attached to the yoke, which is connected to the M2 machine gun by the guide release pin through the holes in the rear mounting lugs of the receiver assembly. A scale shows 250 mils in depression and 100 mils in elevation. A setscrew fastens the elevating handwheel to the upper elevating screw, permitting the handwheel elevations to be synchronized with those on the screw. The traversing sleeve and screw are clamped in place on the bar by the traversing slide lock lever. The traversing sleeve is properly mounted when the lock lever is to the rear and the traversing handwheel is positioned to the left.

(2) Front leg and bearing assembly head. The M3 tripod mount has three telescoping tubular legs connected at the bearing assembly head. The rear legs are joined together and supported by the bar. The bearing assembly head furnishes a front support for the mounted M2 machine gun which is supported by the front leg.



c. M66 Machine Gun Mount Ring.

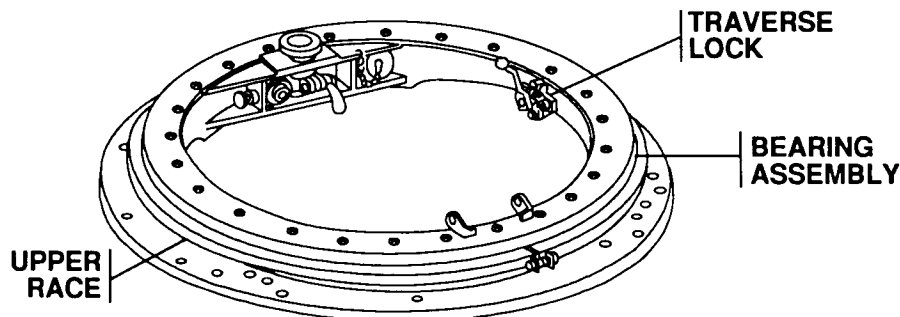
Upper race rotates 360 degrees and contains a bearing assembly which receives pintles of the M142 or the 6650 mount. Has traverse lock which prevents the rotation of ring.



b. M3 Tripod Mount.

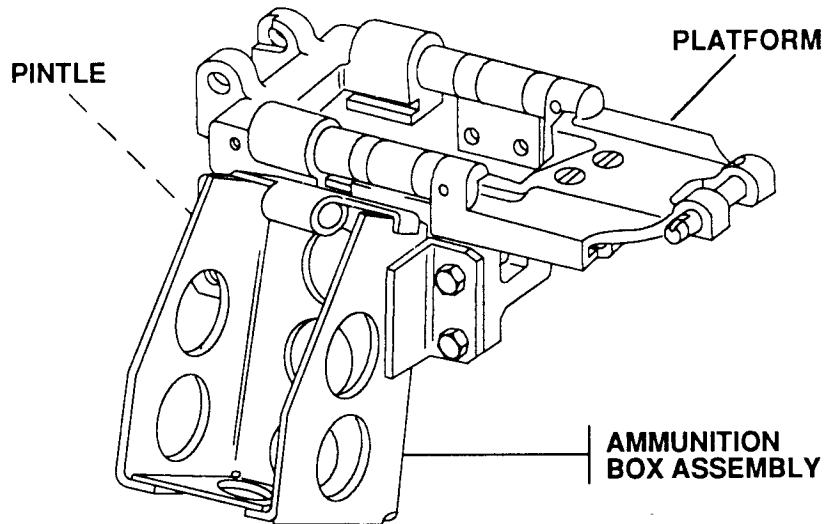
(1) Traversing and elevating mechanism. The traversing bar assembly serves as a rear support for traversing and elevating mechanism, which in turn supports the M2 machine gun. The M3 tripod mount has a double, screw-type traversing and elevating mechanism. The upper screw is attached to the yoke, which is connected to the M2 machine gun by the guide release pin through the holes in the rear mounting lugs of the receiver assembly. A scale shows 250 mils in depression and 100 mils in elevation. A setscrew fastens the elevating handwheel to the upper elevating screw, permitting the handwheel graduations to be synchronized with those on the screw. The traversing sleeve and screw are clamped in place on the bar by the traversing slide lock lever. The traversing sleeve is properly mounted when the lock lever is to the rear and the traversing handwheel is positioned to the left.

(2) Front leg and bearing assembly head. The M3 tripod mount has three telescopic tubular legs connected at the bearing assembly head. The rear legs are joined together and supported by the bar. The bearing assembly head furnishes a front support for the mounted M2 machine gun which is supported by the front leg.

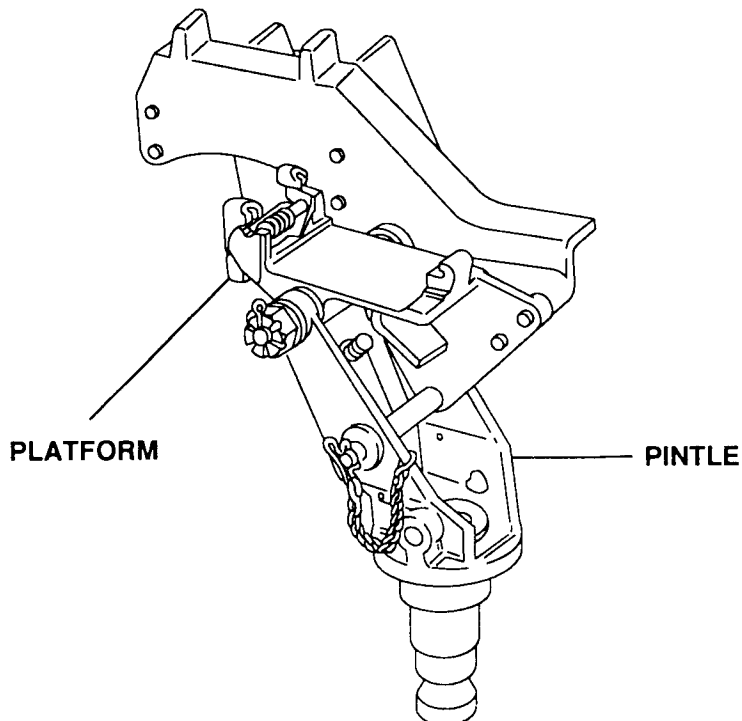


c. M66 Machine Gun Mount Ring. Upper race rotates 360 degrees and contains a bearing assembly which receives pintles of the M142 or the 6650 mount. Has traverse lock which prevents the rotation of ring.

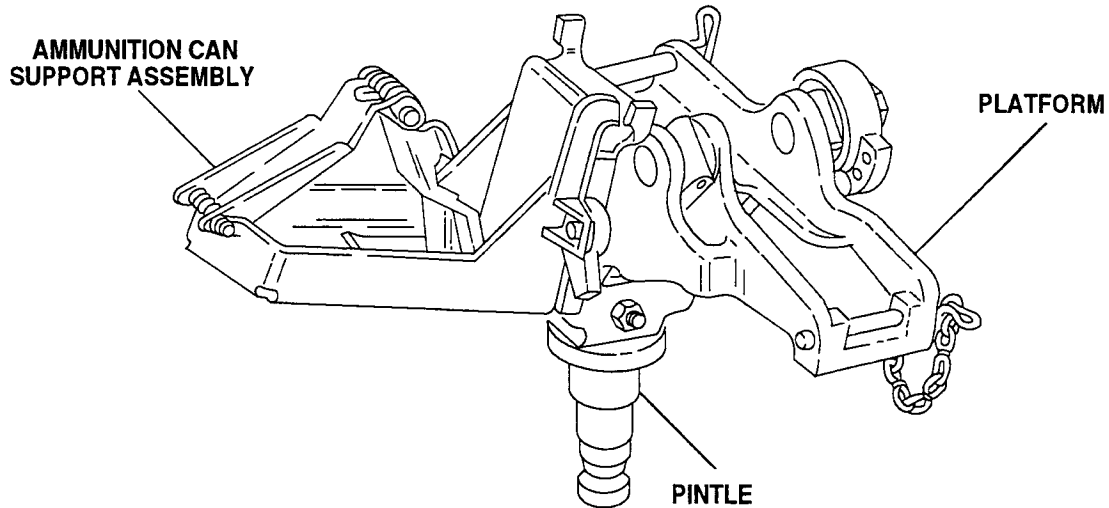
1-12. PRINCIPLES OF OPERATION (cont)



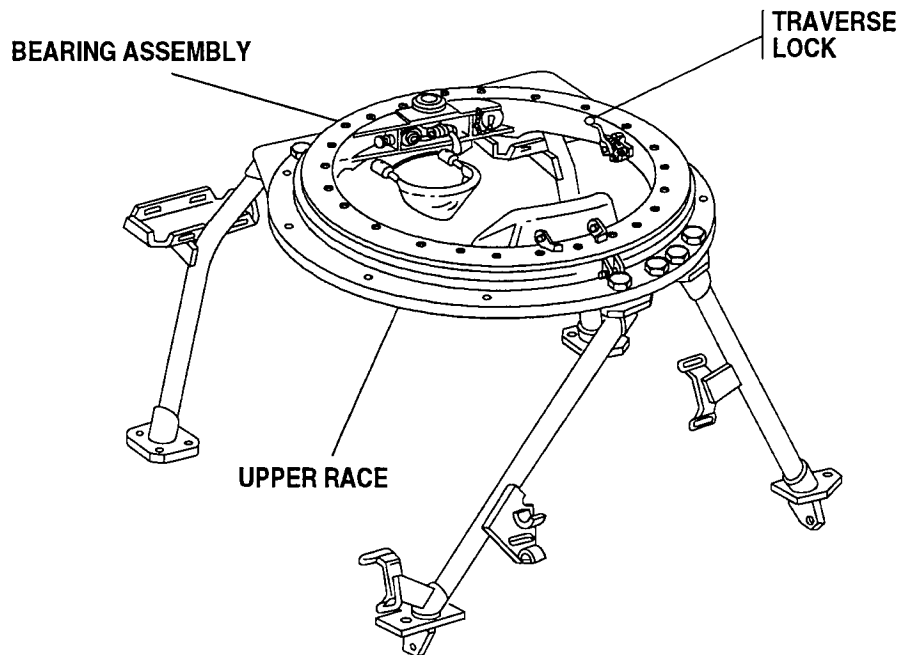
d. **M240E1 Flexible Machine Gun Mount.** Platform and pintle for the M240E1 machine gun. Platform has dual spring shocks which dampen recoil of the machine gun. Pintle is attached to the platform and allows for insertion into sockets on armored vehicles and gives 360 degree traverse capability. Ammunition box assembly attached to left side for belted ammo feed ease.



e. **M142 Machine Gun Mount.** Platform and pintle for mounting M60/M249 machine gun to a vehicle socket. Platform supports the machine gun and attaches to the pintle, which gives the mount 360 degree rotation when inserted in the vehicle socket. Socket can be a permanent part of the vehicle or part of M66 ring or M548 mount. See ammunition box assembly for location of belted ammunition can.

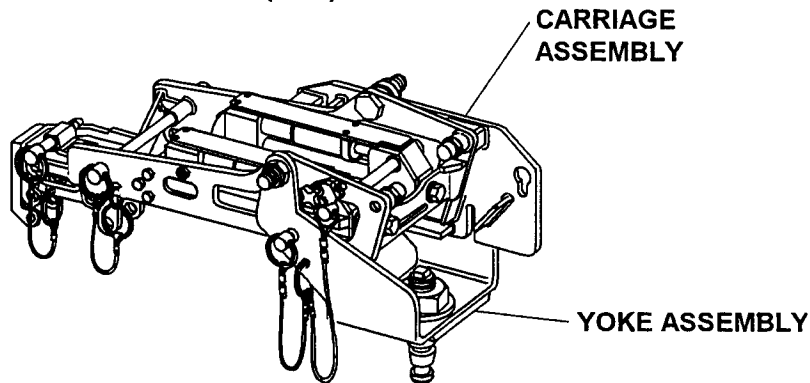


f . **6650 .50 Cal Machine Gun Mount.** Platform and pintle for mounting M2 machine gun to a vehicle socket. Platform, which has a built-in recoil dampening device, supports the machine gun and attaches to the pintle, which gives the mount 360 degree rotation when inserted in the vehicle socket. Socket can be a permanent part of the vehicle or part of M66 ring or M548 mount. Not to be used on the M4 pedestal. Left side mounted ammo can support assembly for positioning belted ammo for feeding to machine gun.



g. **M548 Machine Gun Mount.** Upper race rotates 360 degrees and contains a bearing assembly which receives pintles of the M142 or the 6650 mount. Has traverse lock which prevents the rotation of ring. Has four support legs for mounting to the M548 ammunition carrier.

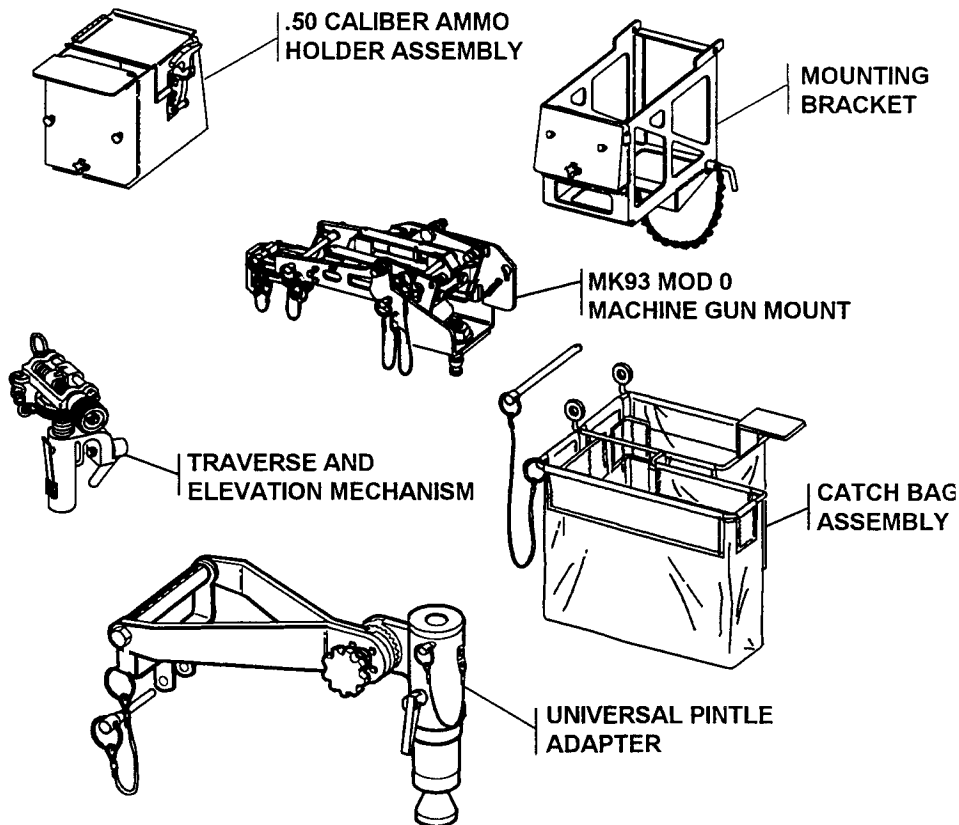
1-12. PRINCIPLES OF OPERATION (cont)



h. MK93 MOD 0 Machine Gun Mount.

(1) The MK93 MOD 0 provides a means of traversing and elevating an installed weapon. It can be configured to mount either the MK19 MOD 3 40mm grenade machine gun or the M2 heavy barrel (HB) .50 caliber machine gun. No modification to either weapon is required when changing from one gun configuration to the other. The MK93 MOD 0 consists of a carriage assembly and yoke.

(2) The MK93 MOD 0 has a small bolt-on pintle which allows it to be used in the standard small sockets (i.e., M3 tripod mount or universal pintle adapter).

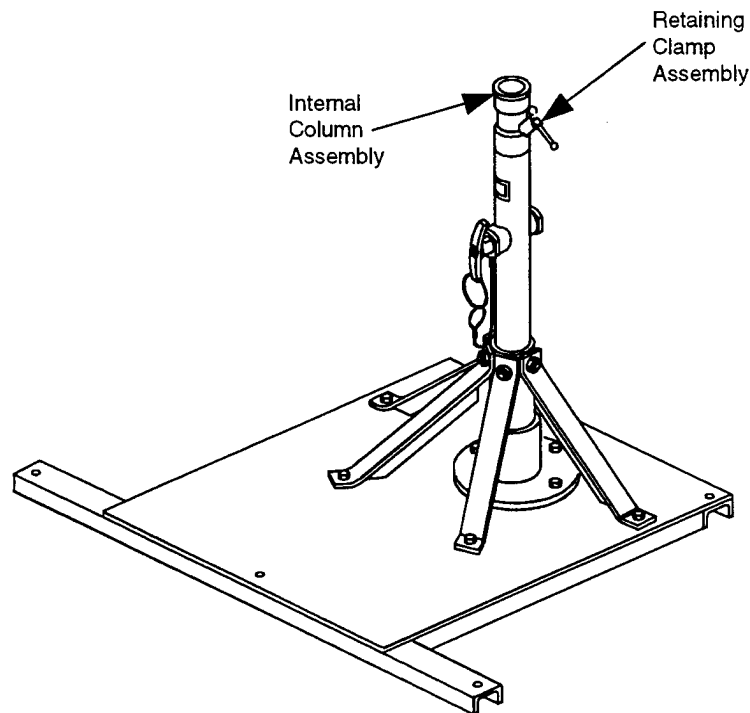


i. MK93 MOD 1 Machine Gun Mount.

(1) The MK93 MOD 1 includes the MK93 MOD 0 machine gun mount, mounting bracket, .50 caliber ammo holder assembly, traverse and elevation mechanism, universal pintle adapter, catch bag assembly, and travel lock assembly.

(2) The MK93 MOD 1 includes a spent cartridge case and link catch bag which will hold approximately 96 40mm or 400 .50 caliber spent cartridge cases and links. The catch bag has a side opening which allows for easy clean out without removing the entire assembly. The side opening may be left open during combat to prevent buildup of rounds under the mount which might prevent the gun from firing.

(3) The MK93 MOD 1 has an attaching ammunition can support bracket which allows either the .50 caliber ammo holder assembly or the mounting bracket for 40mm ammunition to be mounted.

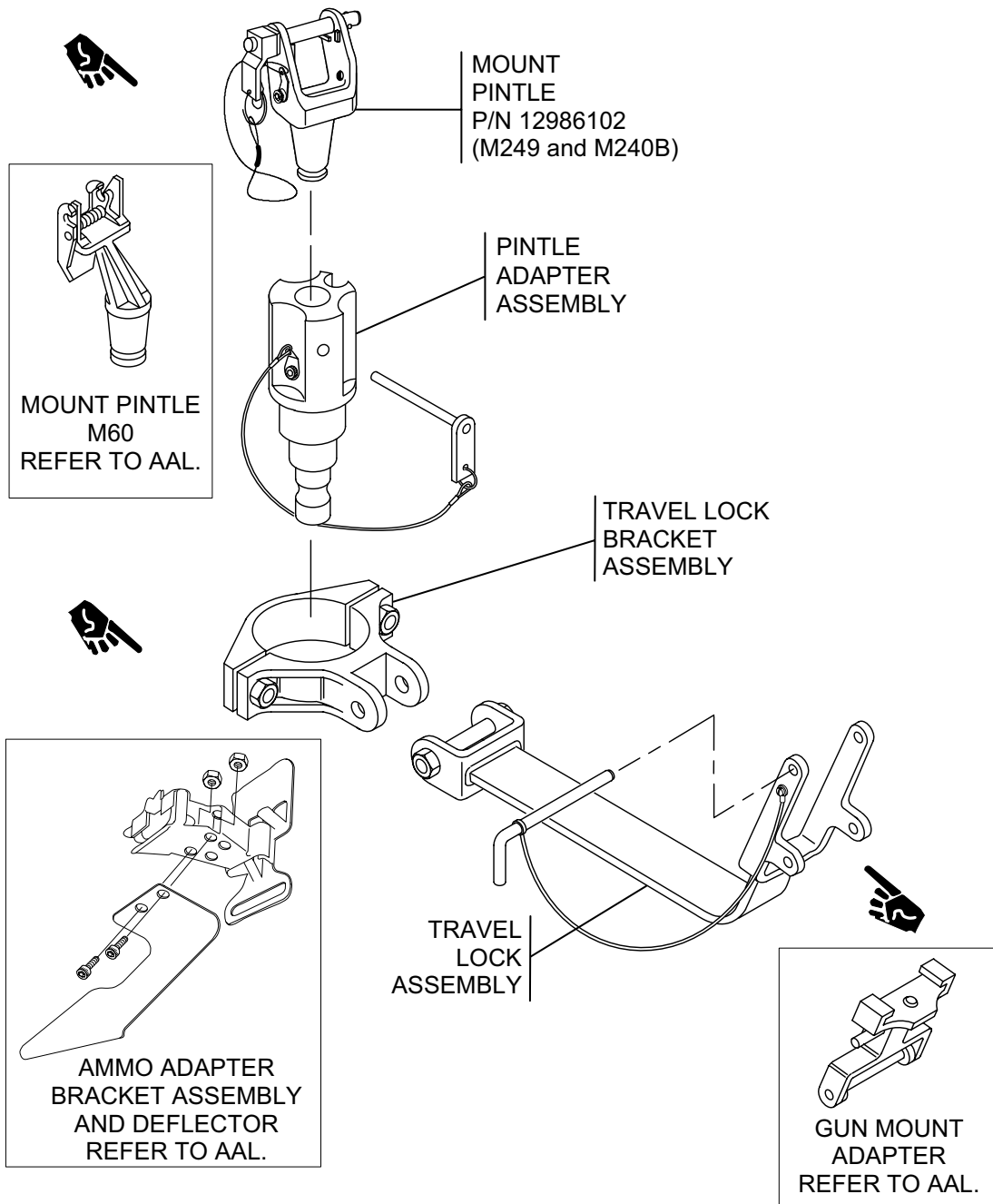


j. M6 Machine Gun Pedestal Mount. Universal pedestal mount whose operational effectiveness is dependent upon the weapon characteristics of the gun installed. However, the operation of the mount does have two specific characteristics, which are described below:

(1) Internal Column Assembly. This assembly is raised or lowered manually by the operator and has provisions for locking the firing positions desired in predetermined increments.

(2) Retaining Clamp Assembly. The retaining clamp assembly is located in the pintle socket of the internal column assembly. This assembly serves to lock the pintle adapter assembly of the M197 machine gun mount, used with the M6 machine gun pedestal mount, in the traverse position, and also prevents any upward movement which would allow disengagement from the pintle socket.

1-12. PRINCIPLES OF OPERATION (cont)



k. M197 Machine Gun Mount.

(1) The M197 machine gun mount includes a pintle adapter assembly and a mount pintle (for M249 and M240B only), travel lock bracket assembly, and travel lock assembly.

(2) Can be used with M6 machine gun pedestal mount to mount and secure M249 and M240B machine gun with appropriate AAL items for the M60 and M240B.

CHAPTER 2

OPERATING INSTRUCTIONS

Section I. DESCRIPTION AND USE OF OPERATOR'S CONTROLS AND INDICATORS

2-1. GENERAL

This section describes the various controls and provides the operator/crew sufficient information to ensure the proper operation of the various mounts.

2-2. MACHINE GUN MOUNT CONTROLS

a. Machine gun mount controls are the items of the mounts necessary for the operator to install and secure a machine gun on the mount. Additional controls are such items as travel lock pins, which are installed through the pintle and the cradle to hold the machine gun and mount in a horizontal position. The travel lock pin must be removed before the operator can elevate or depress the machine gun.

b. The 6650 .50 cal machine gun mount has, in addition to the travel lock pin, a travel lock tie bar which is spring-operated. The bar is attached to the pintle and connects to the lower portion of the cradle. The machine gun and cradle must be moved to maximum depression and the operator must lift up the spring-loaded tie bar. Then the operator must insert the end of the tie bar into the forward end of the channel located on the bottom of the cradle. Holding the tie bar in the channel, the operator must elevate the machine gun and cradle to a horizontal position. To release the mount tie bar from the cradle, the operator must move the machine gun and cradle to maximum depression. The spring-loaded tie bar will then disengage from the cradle and the mount will be free for operation.

(1) This mount also has a spring-loaded equilibrator. The equilibrator, when adjusted properly, will counter-balance the weight of the machine gun and a box of ammunition. It should hold the machine gun in a horizontal position.

(2) The ammunition tray assembly has a cam lock, which holds the tray in position on the cradle. The pressure foot is to be set on top of the ammunition and will prevent the ammunition from falling out of the box when the mount is at maximum elevation.

c. Machine gun mounts, for M60 machine guns, have a platform with a hook and a latch to retain the machine gun to the mount. The latch is spring-loaded and must be depressed when removing the machine gun from the mount.

d. The MK93 MOD 0/MK93 MOD 1 machine gun mount, when an M2 machine gun is installed, has the safety and spade grips located on the machine gun backplate. When an MK19 MOD 3 machine gun is installed, the safety and spade grips are located on the machine gun.

e. When the M6 machine gun pedestal mount is mounted in M998/M1038/M1097 HMMWVs, an installed M60 or M249 machine gun will be secured with the travel lock assembly from the M197 gun mount.

Section II. OPERATOR PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)

2-3. INTRODUCTION TO PMCS TABLE

a. General. Your PMCS table (table 2-1) has been provided so you can keep your equipment in good operating condition and ready for its primary mission.

b. Warnings and cautions. Always observe the WARNINGS and CAUTIONS appearing in your PMCS table BEFORE, DURING, and AFTER you operate the equipment. The warnings and cautions appear before certain procedures. You must observe these WARNINGS and CAUTIONS to prevent serious injury to yourself and others or to prevent your equipment from being damaged.

c. Explanation of table entries.

(1) Item Number column. Numbers in this column are for reference. When completing DA Form 2404, Equipment Inspection and Maintenance Worksheet, include the item number for the check/service indicating a fault. Item numbers also appear in the order that you must do checks and services for the intervals listed.

(2) Interval column. This column tells you when you must do the procedure in the procedure column. BEFORE procedures must be done before you operate or use the equipment for its intended mission. DURING procedures must be done during the time you are operating or using the equipment for its intended mission. AFTER procedures must be done immediately after you have operated or used the equipment.

(3) Item to Check/Service column. This column provides the location and the item to be checked or serviced.

(4) Procedure column. This column gives the procedure you must do to check or service the item listed in the Item to Check/Service column to know if the equipment is ready or available for its intended mission or for operation. You must do the procedure at the time stated in the interval column.

(5) Not Fully Mission Capable If: column. Information in this column tells you what faults will keep your equipment from being capable of performing its primary mission. If you make check and service procedures that show faults listed in this column, do not operate the equipment. Follow standard operating procedures for maintaining the equipment or reporting equipment failure.

Table 2-1. OPERATOR PREVENTIVE MAINTENANCE CHECKS AND SERVICES

ITEM NO.	INTERVAL	ITEM TO CHECK/ SERVICE	PROCEDURE	NOT FULLY MISSION CAPABLE IF:
1	Before	Machine Gun Mounts	a. Check machine gun mounts; make certain they are clean and lubricated. b. Check pins and chains; make sure they are properly installed and chains are secure. c. Check for proper installation of ammunition tray.	Parts broken or missing. Pins broken or missing. Parts broken or missing.

Table 2-1. OPERATOR PREVENTIVE MAINTENANCE CHECKS AND SERVICES (cont)

ITEM NO.	INTERVAL	ITEM TO CHECK/ SERVICE	PROCEDURE	NOT FULLY MISSION CAPABLE IF:
2	Before	Tripod Mounts	<p>d. Check elevating, depression, and traversing.</p> <p>e. Check condition and installation of cover.</p> <p>f. On MK 93 MOD 1, check for tears in casings bag, bends in catch bag frame, and Velcro wear on casings bag.</p> <p>Check for legibility of markings on adjustable arm and traverse bar of universal pintle adapter.</p>	<p>Mount does not elevate, depress, or traverse through full range.</p> <p>Casings bag torn, catch bag frame bent, or Velcro will not close. Markings on adjustable arm, or traverse bar are illegible.</p>
			<p>a. Emplace tripod mount. Ensure legs are properly separated and make contact to the side of tripod head to ensure rigidity of mount. Pintle must be secured to tripod head by pintle lock assembly.</p> <p>b. Check handwheels for binding and ease of operation. Check for missing parts. Check the scales for cleanness and legibility.</p>	<p>Inoperable legs. Pintle lock is inoperative.</p> <p>Broken, binding, worn, or missing parts.</p>
3	Before	Gun Mount Rings	<p>a. Check mounts; make certain they are clean and lubricated.</p> <p>b. Check operation of pintle clamping screw; make certain it locks machine gun mount, preventing traversing.</p> <p>c. Check operation of brake assembly; make certain it locks the traverse of the carriage or ring.</p> <p>d. Check nuts, bolts, pins, and screws; make certain they are secure.</p> <p>e. Check condition and of cover.</p>	<p>Parts broken or missing.</p> <p>Screw missing or fails to lock pintle mount.</p> <p>Parts missing or brake fails to lock carriage or ring.</p> <p>Parts broken or missing.</p>
4	Before	Pedestal Mounts	<p>a. Check pedestal mounts; make certain they are clean, lubricated, and free of damage.</p> <p>b. Check pins and chains; make certain they are properly installed and chains are secure.</p>	<p>Parts broken or missing.</p> <p>Pins broken or missing.</p>

Table 2-1. OPERATOR PREVENTIVE MAINTENANCE CHECKS AND SERVICES (cont)

ITEM NO.	INTERVAL	ITEM TO CHECK/ SERVICE	PROCEDURE	NOT FULLY MISSION CAPABLE IF:
4 (cont)	Before (cont)	Pedestal Mounts (cont)	c. Check elevating, depression, and traversing.	Mount does not elevate, depress, or traverse through full range.
5	After	Machine Gun Mounts	a. Check machine gun mounts; make certain they are clean and lubricated. b. Check pins and chains; make certain they are properly installed and chains are secure. c. Check for proper installation of ammunition tray. d. Check elevating, depression, and traversing. e. Check condition and installation of cover.	Parts broken or missing Pins broken or missing Parts broken or missing. Mount does not elevate, depress, or traverse through full range.
6	After	Tripod Mount	a. Check for missing, broken, or loose leg clamps. Check for missing, broken, or inoperative sleeve lock latch. Clean and lubricate tripod mount. Check pintle lock assembly. b. Check quick release pin for burrs and corrosion. Check for missing parts. Check handwheels for ease of operation. Check traversing and elevating scales for legibility. c. Clean and lubricate tripod, traversing and elevating mechanism assembly, and pintle assembly. d. Inspect traversing bar assembly for tightness when legs are extended. Make sure sleeve latch operates freely. Make sure traversing handwheels operate freely. Be sure all scale readings are legible and zero indexes line up (FM 23-67).	Missing, broken, or loose leg clamps. Inoperative sleeve lock latch. Pintle will not secure to tripod head. Will not elevate or traverse. Sleeve latch does not operate freely. Traversing handwheels do not operate freely. Scale readings are illegible or zero indexes do not align.

Table 2-1. OPERATOR PREVENTIVE MAINTENANCE CHECKS AND SERVICES (cont)

ITEM NO.	INTERVAL	ITEM TO CHECK/ SERVICE	PROCEDURE	NOT FULLY MISSION CAPABLE IF:
7	After	Gun Mount Rings	<ul style="list-style-type: none"> a. Check mounts; make certain they are clean and lubricated. b. Check operation of pintle clamping screw; make certain it locks machine gun mount, preventing traversing. c. Check operation of brake assembly; make certain it locks the traverse of the carriage or ring. d. Check nuts, bolts, pins, and screws; make certain they are secure. e. Check condition of cover. 	<p>Parts broken or missing.</p> <p>Screw missing or fails to lock pintle mount.</p> <p>Parts missing or brake fails to lock carriage or ring.</p> <p>Parts broken or missing.</p>
8	After	Pedestal Mounts	<ul style="list-style-type: none"> a. Check pedestal mounts; make certain they are clean, lubricated, and free of damage. b. Check pins and wire cords; make certain they are properly installed and wire cords are secure. c. Check elevating, depression, and traversing. 	<p>Parts broken or missing.</p> <p>Pins broken or missing.</p> <p>Mount does not elevate, depress, or traverse through full range.</p>
9	After	M197 Machine Gun Mount	<ul style="list-style-type: none"> a. Clean all accessible surfaces with a dry rag (item 8, appx E). Preserve unpainted metal with PL-S (item 7, appx E). b. Check for defects including broken wire cords, damaged bracket, damaged threads, or missing nuts, washers, or screws. 	<p>Parts broken or missing.</p>
10	After	MK 93 MOD 0 Machine Gun Mount	<ul style="list-style-type: none"> a. Check mount; make certain it is clean and properly lubricated. b. Check elevating, depression, and traversing. 	<p>Parts broken or missing.</p> <p>Mount does not elevate, traverse, or depress through full range.</p>

Table 2-1. OPERATOR PREVENTIVE MAINTENANCE CHECKS AND SERVICES (cont)

ITEM NO.	INTERVAL	ITEM TO CHECK/ SERVICE	PROCEDURE	NOT FULLY MISSION CAPABLE IF:
10 (cont)	After (cont)	MK 93 MOD 0 Machine Gun Mount (cont)	c. Check yoke assembly for broken or missing parts. Yoke assembly must maintain positive retention of weapon.	Parts broken or missing. Yoke assembly does not provide positive retention.
11	After	MK 93 MOD 1 Machine Gun Mount	a. Check mount; make certain it is clean and properly lubricated. b. Check elevating, depression, and traversing. c. Check yoke assembly for broken or missing parts. Yoke assembly must maintain positive retention of the universal pintle adapter.	Parts broken or missing. Mount does not elevate, traverse, or depress through full range. Parts broken or missing. Yoke assembly does not provide positive retention.

Section III. OPERATION UNDER USUAL CONDITIONS

2-4. ASSEMBLY AND PREPARATION FOR USE

a. Installation of Machine Gun Mount.

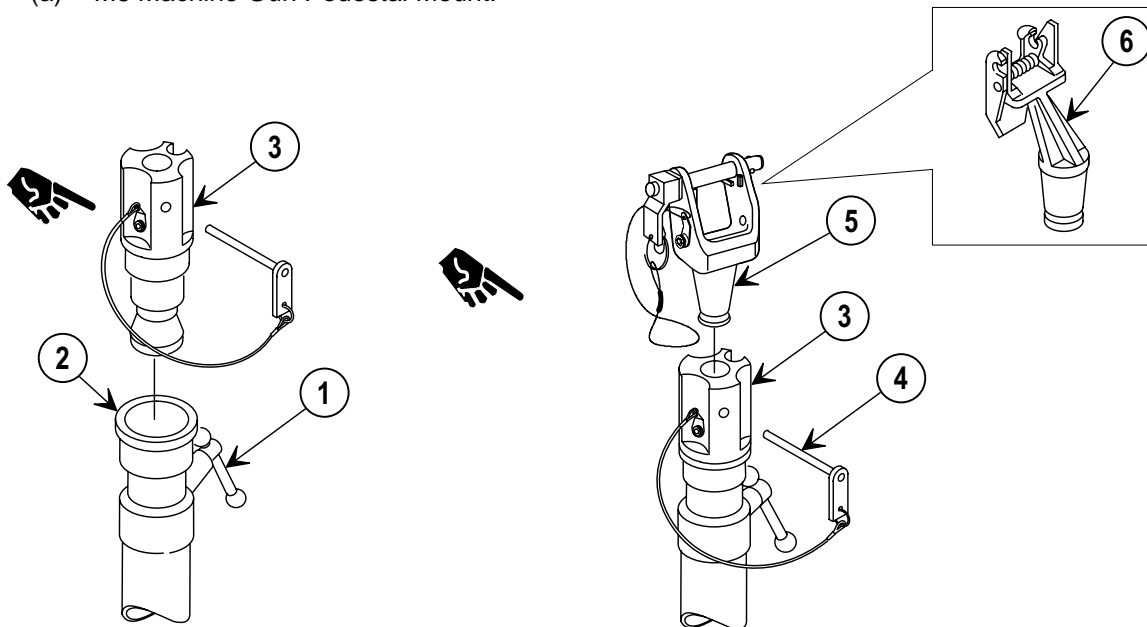
- (1) Perform before operation PMCS (table 2-1) on machine gun mount, pedestal, and ring mount.
- (2) Loosen pintle clamping screw, located on the pintle socket of the pedestal mount or ring mount.
- (3) Install the pintle of the machine gun mount into the pintle socket and tighten the pintle clamping screw until the machine gun mount will not traverse in the socket.
- (4) On ring mounts, lock the brake assembly to prevent the ring mount from traversing.
- (5) Align the holes in the cradle and pintle and insert the travel lock pin.
- (6) Install the ammunition tray assembly on the machine gun mount by aligning the tray guides with the cradle guides and lower the tray on to the mount

(7) Installation of M197 machine gun mount on:

NOTE

- When installing the M197, Unit Maintenance support is required.
- When used in conjunction with the M249 or M240B, use mount pintle, P/N 12986102 (5).
- When used in conjunction with the M60, use mount pintle P/N 11010408 (6).

(a) M6 Machine Gun Pedestal Mount:



- 1 Loosen retaining clamp assembly (1) by turning handle on M6 machine gun pedestal mount (2) counterclockwise.
- 2 Install pintle adapter assembly (3) into M6 machine gun pedestal mount (2).
- 3 Turn handle of retaining clamp assembly (1) clockwise to lock pintle adapter assembly (3) in place. Pull up on pintle adapter assembly to ensure it is secure.
- 4 Remove quick release pin (4) from pintle adapter assembly (3).
- 5 Install mount pintle (5), or mount pintle (6) in pintle adapter assembly (3).
- 6 Insert quick release pin (4).
- 7 Twist and pull up on the installed mount pintle (5), or mount pintle (6). It should be locked into pintle adapter assembly (3), but should traverse freely left and right.

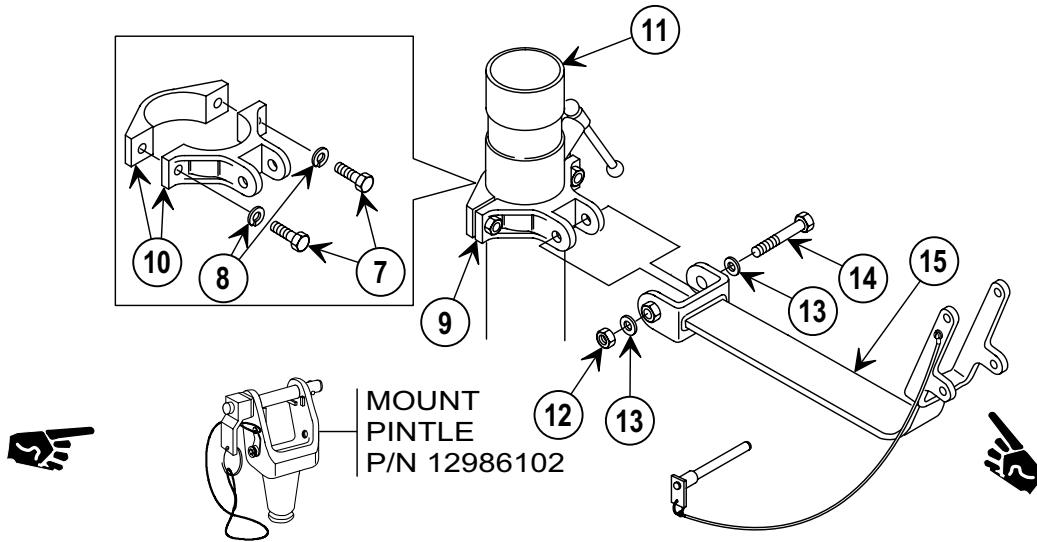
WARNING

For use with M240B when mounted on the M1025/M1026 armament carrier series, install deflector kit (see Additional Authorization List (AAL), appendix F) and ammo adapter bracket assembly and deflector. Use of deflector kit helps prevent hot brass from falling onto the driver.

NOTE

Maintenance procedures for the ammo adapter bracket assembly and deflector are found in TM 9-1005-313-23&P (M240B).

2-4. ASSEMBLY AND PREPARATION FOR USE (cont)



8 Remove two machine bolts (7) and two lockwashers (8) and separate travel lock bracket assembly (9) into two halves (10).

9 Install two halves (10) of travel lock bracket assembly (9) on structural tube (11) with travel lock bracket assembly (9) holes facing rear of HMMWV. Secure by installing two lockwashers (8) and two machine bolts (7).

10 Remove self-locking nut (12), two flat washers (13), and hexagon head capscrew (14) from travel lock bracket (15).

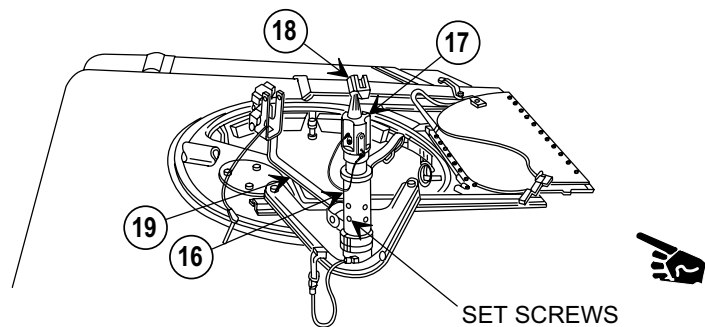
11 Align mounting holes in travel lock bracket (15) with mounting holes in travel lock bracket assembly (9), and install two flat washers (13), hexagon head capscrew (14), and self-locking nut (12).

(b) M1025/M1026/M1114 HMMWV:

1 Loosen four set screws on HMMWV pintle adapter (16).

2 Install pintle adapter assembly (17) and secure by tightening four set screws.

3 Install applicable mount pintle (18) P/N 11010408 or 12986102 and attach travel lock bracket (19) on HMMWV pintle adapter assembly (17) following steps (7) (a) 4 thru (7) (a) 11.

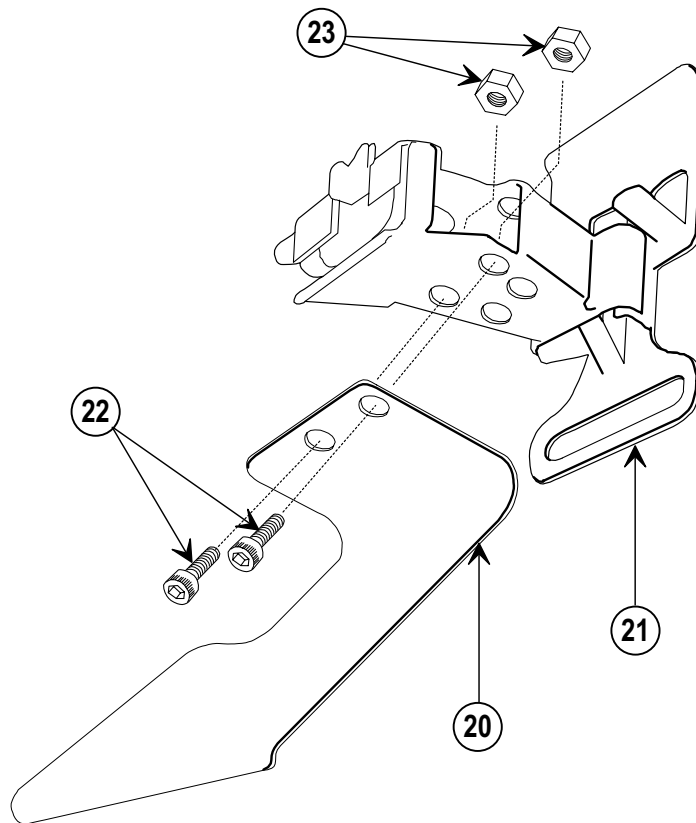


(c) Deflector Kit and Ammo Adapter Bracket Assembly and Deflector:

1 Install deflector plate (20) and secure to ammo adapter bracket assembly (21) with two cap screws (22) and two nuts (23).

NOTE

Nuts (23) must be held within the ammo adapter bracket assembly (21) and deflector plate (20) weldment, while installing cap screws (22) to secure deflector plate (20).

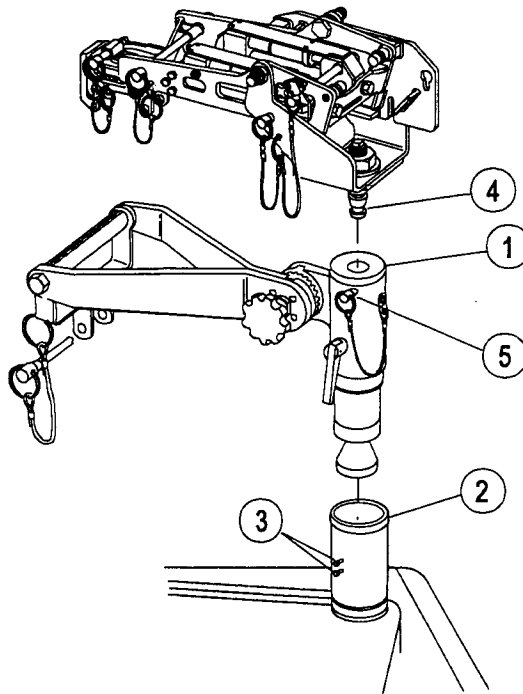


b. Installation of Machine Gun.

WARNING

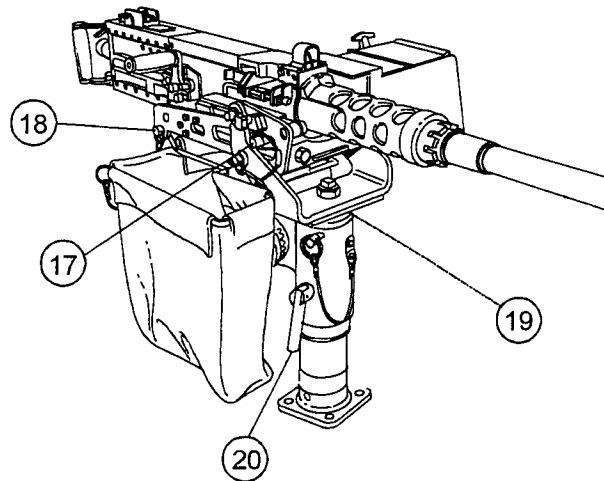
It is essential that operational procedures for the machine gun be followed before installing on a mount. Dangerous procedures such as mounting, dismounting, cleaning, repairing, or operating a machine gun on a mount without first having knowledge of the operation of the machine gun and all safety precautions to be followed could result in injury or death to personnel. DO NOT attempt to mount or dismount or inspect or repair a mounted machine gun without first clearing the machine gun chamber and feedways of ammunition.

- (1) Installation of .50 Cal Machine Gun on MK 93 MOD 1 Machine Gun Mount.



- (a) Loosen HMMWV adapter bolts (3).
- (b) Mount universal pintle adapter (1) in HMMWV adapter (2), and tighten adapter bolts (3).
- (c) Install mount pintle (4) into universal pintle adapter (1).
- (d) Install quick-release pin (5) to secure universal pintle adapter (1) and mount pintle (4).

- (i) Install elevation mechanism (14) by placing quick-release pin (15) through corresponding holes beneath carriage assembly (8). Pull lever down to lock elevation mechanism on azimuth indicator (16).



- (j) Install .50 caliber machine gun by aligning front mounting holes with the corresponding holes in front slide assemblies. Install front M2 quick-release pin (17).

- (k) Install rear M2 quick-release pin (18) through weapon and rear slider assembly.

NOTE

A semi-free weapon can be achieved with the elevation mechanism attached by turning the thumbscrew on the traverse arm assembly counterclockwise and turning the manual control handle two full revolutions. This allows manual elevation/depression and azimuth change without unlocking HMMWV ring.

- (2) Installation of .50 Cal Machine Gun on Other Gun Mounts.

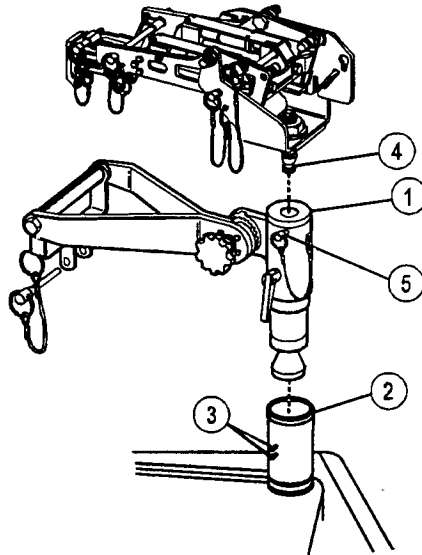
- (a) Position the machine gun in the cradle, align the front mounting hole of the machine gun with the front mounting hole of the cradle, and insert the front securing pin.
- (b) Align the rear mounting hole of the machine gun with the rear mounting hole in the cradle and insert rear securing pin.

- (3) Installation of M60 Machine Gun.

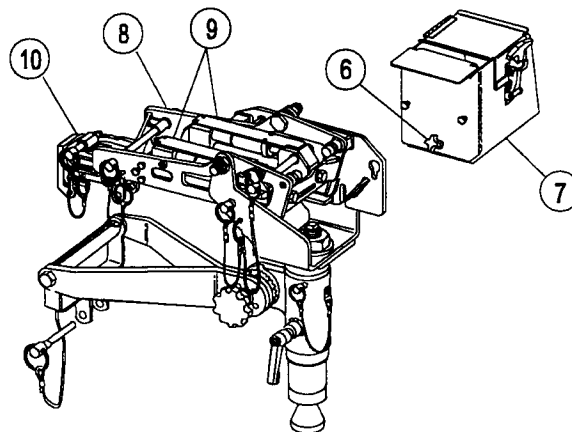
- (a) Place the machine gun into the cradle with the forearm over the platform and engage the forearm hole over the platform hook.
- (b) Push the machine gun forward and down on the butt stock.
- (c) Press the platform catch open to engage the machine gun mounting pin and release the platform catch to close the mounting pin of the machine gun.

2-4. ASSEMBLY AND PREPARATION FOR USE (cont)

- (4) Installation of MK 19 Grenade Machine Gun on MK 93 MOD 1 Machine Gun Mount.



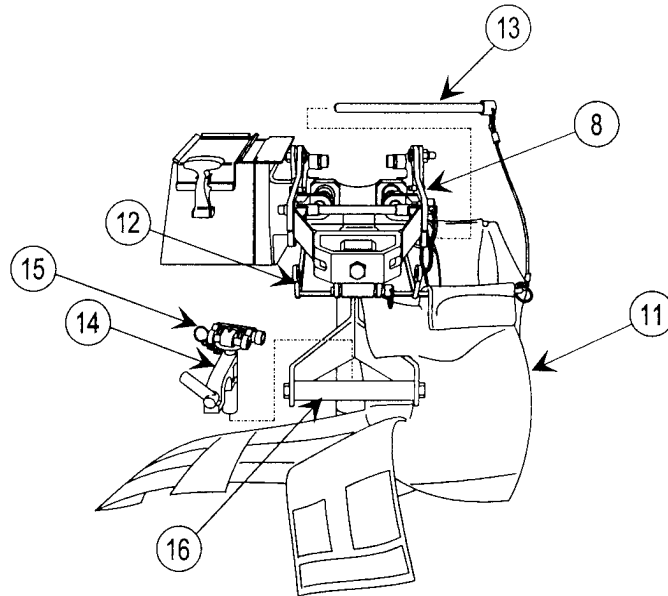
- (a) Loosen HMMWV adapter bolts (3).
- (b) Mount universal pintle adapter (1) in HMMWV ring socket (2), and tighten adapter bolts (3).
- (c) Install mount pintle (4) into universal pintle adapter (1).
- (d) Install quick-release pin (5) to secure universal pintle adapter (1) and mount pintle (4).



(e) Align thumbscrew (5) on mounting bracket (7) with corresponding slot in slideplate of carriage assembly (8). Push up and align studs with corresponding holes in sideplate. Push down until studs stop. Tighten thumbscrew.

- (f) Turn shock absorber assemblies (9) to downward position.

(g) Ensure rear slider assembly (10) is "down", rear .50 caliber pin assembly is installed through the bushing and stowage bracket, and detent balls are secure and clearly visible.



(h) Install catch bag assembly (11) from right side while pushing catch bag frame (12) forward into carriage assembly (8). Align catch bag assembly with holes in carriage assembly. Install quick-release pin (13) and seal Velcro.

(i) Install elevation mechanism (14) by placing quick-release pin (15) through corresponding holes beneath carriage assembly (8). Pull lever down to lock elevation mechanism on azimuth indicator (16).

(j) Install MK19 grenade machine gun by sliding its locking channels into the forward mounting pins on carriage assembly. Ensure sear assembly aligns with upper rear holes in carriage assembly.

(k) Install rear quick-release pin through the carriage assembly and sear.

NOTE

A semi-free weapon can be achieved with the elevation mechanism attached by turning the thumbscrew on the traverse arm assembly counterclockwise and turning the manual control handle two full revolutions. This allows manual elevation/depression and azimuth change without unlocking HMMWV ring.

c. Installation of Ammunition and Box.

(1) Installation of Ammunition Trays on .50 Cal Mounts.

- (a) Remove the cover from the ammunition box.
- (b) Lift and rotate the pressure straps.
- (c) Place the ammunition and box into the tray.
- (d) Lower the pressure traps to hold the ammunition in the ammunition box.

2-4. ASSEMBLY AND PREPARATION FOR USE (cont)

(2) Installation of Ammunition Box Container Assembly on .50 Cal Machine Gun Mount.

- (a) Unlatch the door assembly.
- (b) Lift the pressure foot and cover assembly upward.
- (c) Place a box of ammunition with the cover removed into the tray.
- (d) Lower the cover assembly with pressure foot on the ammunition.
- (e) Close and latch the door.

(3) Installation of Ammunition Tray on M60 Machine Gun Mounts.

- (a) Remove the box cover.
- (b) Place the box end under the tray hook.
- (c) Push the box downward on the tray, allowing the tray hook to engage over the end of the box. The hook retains the box in the tray.

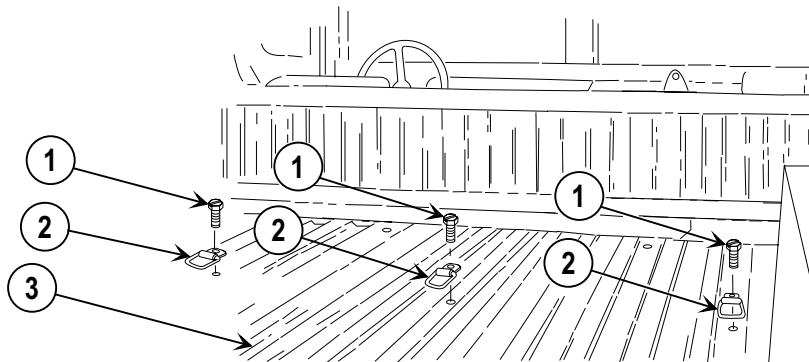
d. Installation of M6 Machine Gun Pedestal Mount in M998/M1038/M1097 HMMWV (Cargo/Troop Carrier).

WARNING

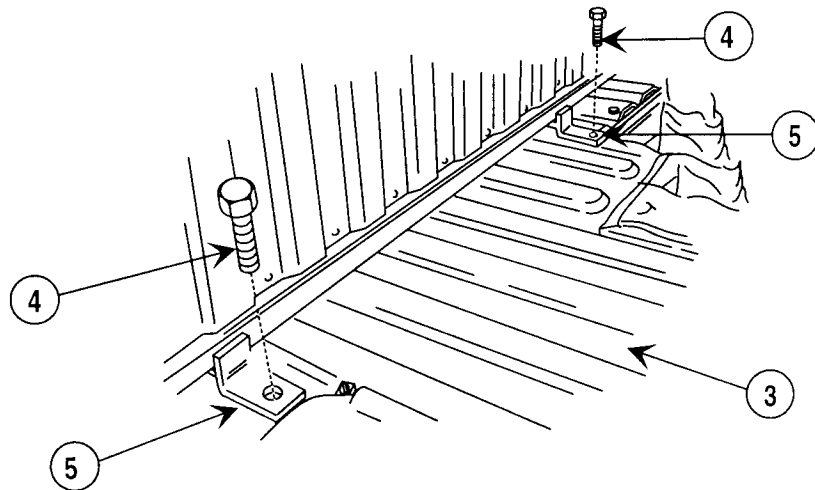
- The M6 Pedestal Mount is heavy. A minimum of two personnel are required to lift and install the mount in the vehicle.
- When installing the M6 Pedestal Mount nuts and bolts under cargo bed ensure vehicle exhaust system is cool to the touch to prevent burns.

NOTE

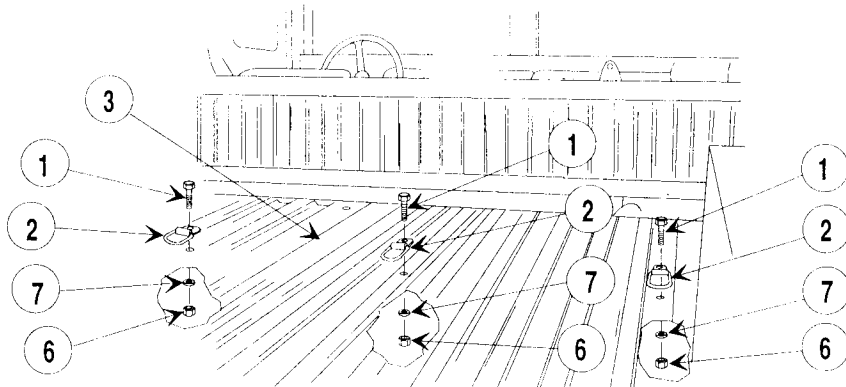
- When installing the M6, Unit Maintenance support is required.
- If your vehicle has threaded inserts welded under the cargo bed, perform steps (1) and (2). If your vehicle does not have threaded inserts, go to step (3). One assistant will be needed.
- Hardware removed in steps (1) thru (4) are components of the HMMWV and cannot be requisitioned separately using this manual. Use care not to lose or damage hardware.



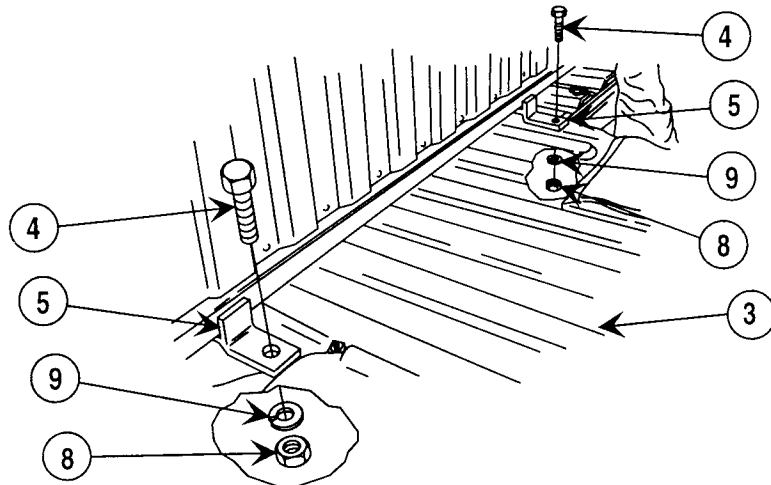
(1) Remove three bolts (1) and three rear tiedowns (2) from cargo bed (3).



(2) Remove two bolts (4) and two bulkhead brackets (5) from cargo bed (3). Go to step (5).

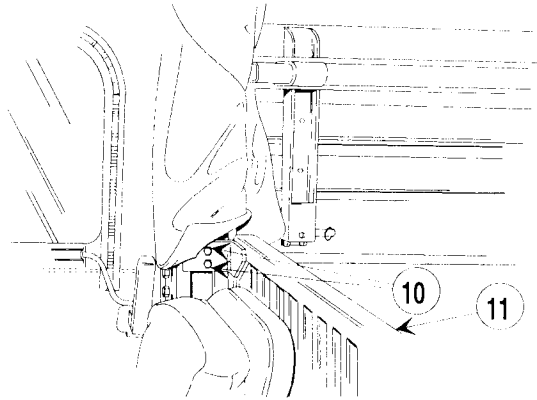


(3) Remove three self-locking nuts (6), three flat washers (7), three bolts (1), and three rear tie-downs (2) from cargo bed (3).

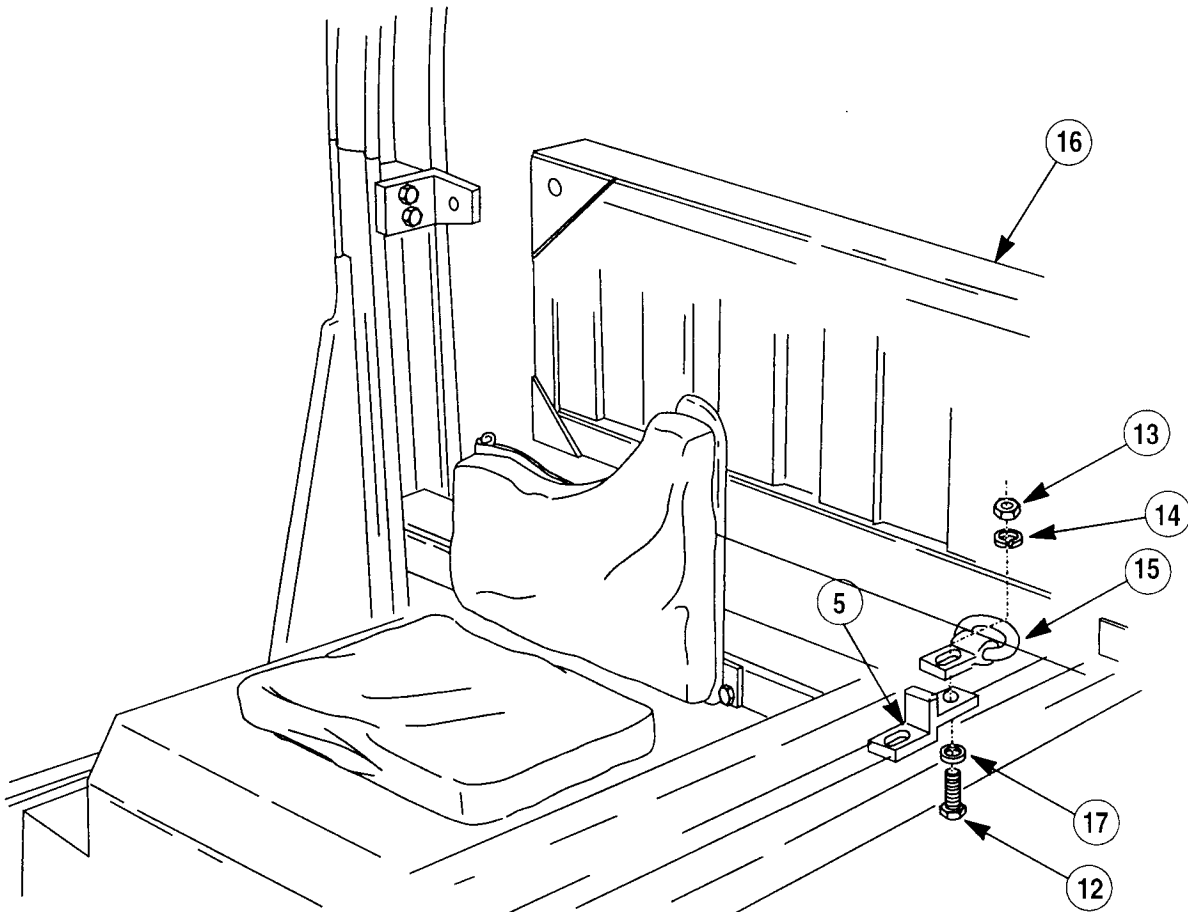


(4) Remove two self-locking nuts (8), two lockwashers (9), two bolts (4), and two bulkhead brackets (5) from cargo bed (3).

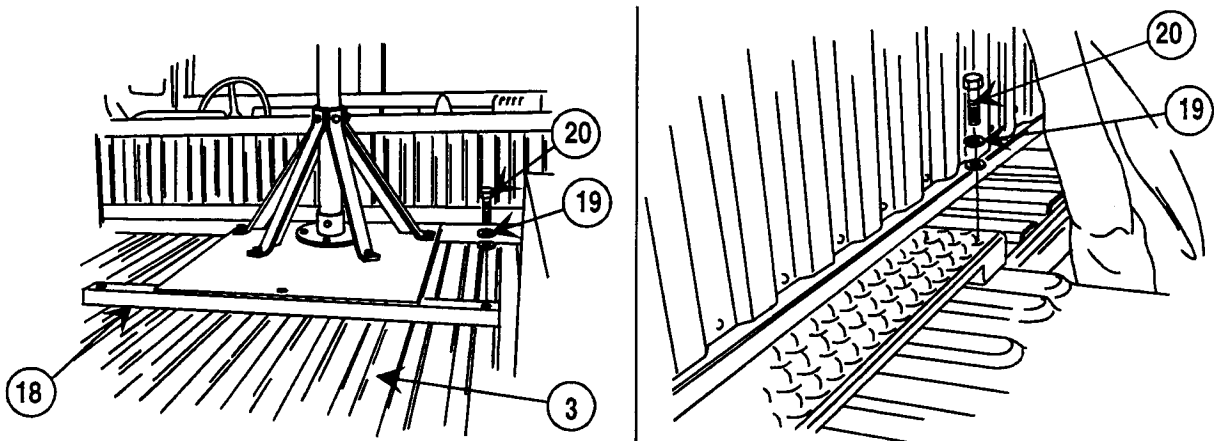
2-4. ASSEMBLY AND PREPARATION FOR USE (cont)



(5) Loosen two bolts (10) on each side of driver's compartment and raise bulkhead assembly (11) to provide clearance for M6 machine gun pedestal mount and lightly tighten two bolts (10) on each side.



(6) Remove two bolts (12) two nuts (13) four washers (14), four lockwashers (17), two bulkhead brackets (5) and two front tiedowns (15) from bulkhead (16).



WARNING

M6 machine gun pedestal mount is heavy. At least two persons should be used to lift it into the vehicle.

- (7) Slide M6 machine gun pedestal mount into cargo bed (3).

NOTE

If holes in mount weldment frame (18) do not line up with holes in cargo bed (3), new holes may be drilled in mount weldment frame to a maximum of 0.75 in. (1.91 cm).

- (8) Align mounting holes in mount weldment frame (18) with holes in cargo bed (3).

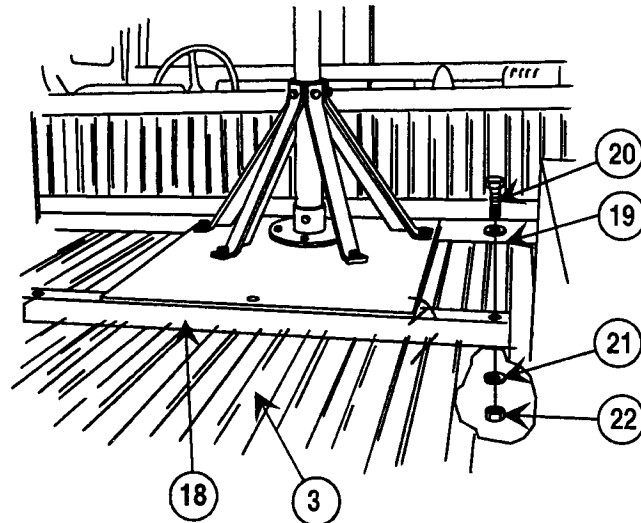
NOTE

If your vehicle has threaded inserts welded under the cargo bed, perform step (9). Discard self-locking nuts and lockwashers supplied with assembly kit.

If your vehicle does not have threaded inserts, go to step (10). One assistant will be needed.

- (9) Attach mount weldment frame (18) to cargo bed (3) using five flatwashers (19), and five hexagon head capscrews (20). Tighten securely. Go to step (11).

2-4. ASSEMBLY AND PREPARATION FOR USE (cont)



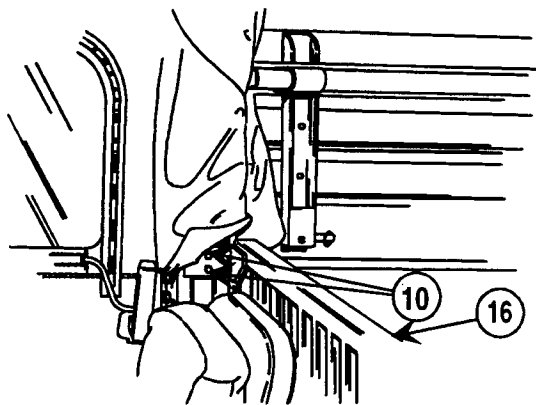
WARNING

Ensure vehicle is not operating and all parts are cool to the touch before proceeding.

(10) Attach mount weldment frame (18) to cargo bed (3) using five hexagon head capscrews (20), five flatwashers (19), five lockwashers (21), and five self-locking nuts (22). Tighten securely.

NOTE

If the pedestal mount is installed for extended periods, a seal may be created to prevent cartridges/cases from entering the space beneath the pedestal mount. Use sealing compound, (Item 9, appx E) and touch up with olive drab enamel paint (Item 3, appx E).



(11) Loosen two bolts (10) on each side of driver compartment and lower bulkhead (16) until it rests evenly on mount weldment frame. Tighten two bolts (10) on each side of driver's compartment securing bulkhead in position.

2-5. OPERATING PROCEDURES

- a. After loading and preparing machine gun for firing, loosen the pintle clamping screw enough to allow the gun mount to traverse in the pintle socket.
- b. On ring mounts, release brake assembly and traverse the machine gun mount around the ring assembly to desired location and lock brake to prevent further movement in traverse.
- c. Remove travel lock pin from machine gun mount and/or release the travel tie bar lock. The machine gun may be elevated, depressed, or traversed as required. On ring mounts, to change position of the machine gun mount on the ring, release the brake and rotate the machine gun mount to the desired location and lock brake.
- d. After clearing the machine gun, move the machine gun mount on ring assembly to desired location. Place travel lock pin into machine gun mount. Tighten pintle clamping screw until machine gun mount will not traverse in the pintle socket.

2-6. PREPARATION FOR MOVEMENT

WARNING

Machine gun and mount may travel at a ready-loaded position with machine gun ready for action, but only when an operator or gunner is present to control and operate the machine gun and mount or as directed by the officer or NCO in charge.

- a. Position machine gun mount in desired direction with travel lock pin in place. Tighten pintle clamping screw and/or lock the brake assembly of ring mounts.
- b. Install cover when required.
- c. Install ammunition in stowage trays and gun tray when directed.

Section IV. OPERATION UNDER UNUSUAL CONDITIONS

2-7. GENERAL

- a. In addition to the normal preventive maintenance service, special care in cleaning and lubrication must be observed where extremes of temperature, humidity, and atmospheric conditions are present or anticipated. Proper cleaning, lubrication, and storage and the use of oils and lubricants not only ensure proper operation and functioning but also guard against excessive wear of the working parts and deterioration of the materiel.
- b. When chronic failure of the materiel results from subjection to extreme conditions, report of such chronic failure should be made on DA Form 2407, Maintenance Request.

2-8. OPERATION IN EXTREME COLD WEATHER

a. Preparation for Cold-Weather Operation.

(1) When it is anticipated that the materiel will be operated in cold climates, it will be necessary to prepare it for cold-weather operation. See chapter 3, section I, for lubrication instructions. Before changing grade of lubricant, it is necessary that the parts be disassembled sufficiently to permit complete removal of oil, grease, and foreign matter.

(2) Cleanliness is imperative. Rust, dirt, gummed oil, and grease in the bearing clearance interfere with proper distribution of lubricant, causing stiff action or a complete stoppage in cold weather.

b. Cold-Weather Operating Instructions.

(1) Keep all parts clean. The mechanical procedures for cleaning the materiel are the same as for usual conditions; however, certain precautions must be observed as outlined in (2) thru (6) below.

(2) In cold climates, contamination of lubricants with moisture from snow, rain, or condensation in partly-filled containers is the source of many difficulties. Keep containers covered at all times and store in a warm place, if possible.

(3) Leave no unpainted metal surfaces exposed without a protective film of lubricant.

(4) Make a thorough inspection and provide as much protection as possible for all parts. See that the covers are properly installed and securely fastened. If possible, do not fold covers that are wet or frozen.

(5) When the materiel is protected with a cover, moisture may form on metal surfaces. To prevent rusting, remove the cover daily and inspect all exposed surfaces for presence of moisture or ice. If moisture or ice is found, clean the surface thoroughly, dry, and coat sparingly with preservative weapons lubricating oil (LAW) (item 5, appx E).

(6) Exercise the controls through their entire range, at intervals as required, to aid in keeping the controls from freezing in place and to reduce the effort required to operate them.

2-9. OPERATION IN EXTREME HOT WEATHER

a. In hot climates, inspect and clean the materiel as frequently as required rather than at fixed intervals.

b. Clean and lubricate as soon as possible after operation to prevent corrosion.

2-10. OPERATION IN EXTREME DUSTY OR SANDY CONDITIONS

- a.** Inspect and clean the materiel more frequently when operating under sandy or dusty conditions; however, lubricant should be applied sparingly, as oil will collect dust and sand, which act as abrasives.
- b.** Use particular care to keep sand and dust out of the mechanism when performing inspection, lubrication, or adjustments and repairs.
- c.** Keep the materiel covered as much as the tactical situation permits. Make certain that the cover is in good condition and securely fastened.

2-11. OPERATION IN RAINY, HUMID, AND SALT AIR CONDITIONS

- a.** The moisture in the atmosphere will emulsify the lubricants and destroy their corrosion-preventive qualities. Therefore, perform inspection, cleaning, and lubrication more frequently and carefully. Salt in the air, such as occurs in salt-water areas, adds to the corrosive activity of moisture. Salty atmosphere conditions require extra precautions when inspecting, cleaning, and lubricating materiel.
- b.** Inspect, clean, air, and dry canvas covers more frequently.

CHAPTER 3

OPERATOR MAINTENANCE

Section I. LUBRICATION INSTRUCTIONS

WARNING

Dry cleaning solvent is toxic and flammable. Use in well ventilated area. Avoid breathing the vapors and keep away from ignition sources.

CAUTION

Do not mix lubricants on the same gun mount at the same time. The gun mount must be thoroughly cleaned during change from one lubricant to another. Dry cleaning solvent (item 9, appx E) is recommended for cleaning your gun mount during change from one lubricant to another.

3-1. LUBRICATION UNDER USUAL CONDITIONS

a. General.

- (1) Clear ammunition from machine gun and remove machine gun from the machine gun mount.
- (2) Remove ammunition tray (detachable type trays only).
- (3) Remove the machine gun mount from the pintle socket.
- (4) Thoroughly clean all components of the machine gun mount, pedestal mount, or gun mount rings.
- (5) Wipe dry, and lubricate following the appropriate steps for each type of mount.

b. Machine Gun Mounts.

- (1) Lubricate the securing pins, travel lock pin, trunnion bearing or screws, hinge pins, locking cam, and guide grooves on the ammunition trays weekly with general purpose lubricating oil (item 7, appx E).
- (2) Lubricate all exposed metal surfaces weekly with a light coat of general purpose lubricating oil (item 7, appx E).
- (3) Lubricate the pintle shank weekly with a light coat of automotive and artillery grease (item 4, appx E).

c. Gun Mount Rings with Carriages.

- (1) Lubricate the pintle clamping screw, carriage rollers, brake lever detents and springs, brake lever screws, brake clamps, backrest pins, barrel clamps, backrest carriage connecting bolts, and rollers weekly with general purpose lubricating oil (item 7, appx E).
- (2) Lubricate all exposed metal surfaces of the track and carriage weekly with a light coat of general purpose lubricating oil (item 7, appx E).
- (3) Lubricate the inside of the pintle socket weekly with a light coat of automotive and artillery grease (item 4, appx E).

3-1. LUBRICATION UNDER USUAL CONDITIONS (cont)

d. Gun Mount Rings without Carriages.

(1) Lubricate all moveable parts of the brake assemblies, pintle clamping screw, backrest pins, and barrel clamp assemblies weekly with a light coat of general purpose lubricating oil (item 7, appx E).

(2) Lubricate mechanical felt as required with general purpose lubricating oil (item 7, appx E) to keep the felt soft and pliable.

(3) Lubricate inside of pintle socket weekly with a light coat of automotive and artillery grease (item 4, appx E).

e. Pedestal Mounts.

(1) Lubricate the securing pins, travel lock pin, and hinge pins weekly with general purpose lubricating oil (item 7, appx E).

(2) Lubricate all exposed metal surfaces weekly with a light coat of general purpose lubricating oil (item 7, appx E).

3-2. LUBRICATION UNDER UNUSUAL CONDITIONS

a. Lubrication in Extreme Cold Weather.

(1) When operating in cold climates, the gun mounts should be thoroughly cleaned and dried. If possible, cleaning and lubrication should be performed in a warm place.

(2) Lubrication/cleaning intervals should be advanced to daily and the gun mounts operated through the entire range frequently to help prevent freezing that may cause the mounts to become inoperative.

(3) Lubricate all points outlined in paragraph 3-1 when temperatures are 0 °F (-18 °C) or below with weapons lubricating oil (item 5, appx E), except gear boxes, where automotive and artillery grease (item 4, appx E) should be used.

b. Lubrication in Extreme Hot Weather.

When operating in hot climates, the coating of oil necessary for operation and preservation will dissipate quickly. Frequent servicing is necessary. Use general purpose lubricating oil (item 7, appx E) at all points indicated in paragraph 3-1, except the pintle shank, socket, and gear boxes, where automotive and artillery grease (item 4, appx E) should be used.

c. Lubrication in Rainy, Humid, and Salt Air Conditions.

(1) When operating in climates consisting of high humidity, moisture, or salt air, more frequent servicing will be necessary.

(2) Lubricate all points indicated in paragraph 3-1 with general purpose lubricating oil (item 7, appx E), except for those points requiring automotive and artillery grease (item 4, appx E).

(3) Lubricate as often as necessary to prevent corrosion.

d. Lubrication in Extreme Dusty or Sandy Conditions.

(1) When operating in dusty or sandy areas, it will be necessary to clean and lubricate more frequently. Dust and sand collected by the lubricant will cause abrasive action on the components.

(2) Clean the gun mounts thoroughly and lubricate only the moving components. Do not lubricate the entire exposed metal surfaces, as this would only collect dust and sand. Lubricate very sparingly with general purpose lubricating oil (item 7, appx E). Refer to paragraph 3-1.

Section II. MAINTENANCE PROCEDURES

3-3. CLEANING

a. Fill a suitable container with dry cleaning solvent (item 9, appx E). Using a bristle brush, clean dirt, grease, and residue from all surfaces. Dry all surfaces with clean dry wiping rags (item 8, appx E).

CAUTION

When using abrasive cloth, make certain not to remove too much metal, as this will change the dimension of components.

b. Using abrasive cloth (item 2, appx E), remove paint and rust from quick release and securing pins, sides of holes, pintle shanks, and sockets.

c. Lubricate in accordance with paragraph 3-1.

CHAPTER 4

UNIT MAINTENANCE

Section I. REPAIR PARTS; TOOLS; SPECIAL TOOLS; TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT (TMDE); AND SUPPORT EQUIPMENT

4-1. COMMON TOOLS AND EQUIPMENT

For authorized common tools and equipment, refer to the Modified Table of Organization and Equipment (MTOE), CTA 50-970, or CTA 8-100, as applicable to your unit. Marine Corps units, refer to the unit's Equipment Allowance File (EAF) and appropriate technical manuals.

4-2. SPECIAL TOOLS, TMDE, AND SUPPORT EQUIPMENT

Special tools, TMDE, and support equipment are listed in appendix B of this manual.

4-3. REPAIR PARTS

Repair parts are listed and illustrated in appendix C of this manual.

Section II. SERVICE UPON RECEIPT

4-4. SERVICE UPON RECEIPT OF MATERIEL

- a. Upon receipt of materiel, it is the responsibility of the officer in charge to determine whether the materiel has been properly mounted and prepared for service by the supplying organization, and to be sure it is in condition to perform its function. For this purpose, inspect all assemblies, subassemblies, and accessories to be sure they are properly assembled, secured, correctly adjusted, cleaned, and lubricated.
- b. Make a record of all missing parts and equipment and any malfunctions. Deficiencies must be corrected as quickly as possible.
- c. Before materiel is activated, perform the following procedures:
 - (1) Perform Operator PMCS. Refer to paragraph 2-3.
 - (2) Lubricate for appropriate climatic condition. Refer to paragraphs 3-1 and 3-2.
 - (3) Check for proper operation. Refer to paragraph 2-4.

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

4-5. INTRODUCTION TO PMCS TABLE

a. **General.** Your PMCS table (table 4-1) has been provided so you can keep your equipment in good operating condition and ready for its primary mission.

b. **Explanation of table entries.**

(1) **Item Number column.** Numbers in this column are for reference. When completing DA Form 2404, Equipment Inspection and Maintenance Worksheet, include the item number for the check/service indicating a fault. Item numbers also appear in the order that you must do checks and services for the intervals listed.

(2) **Interval column.** This column tells you when you must do the procedure in the procedure column. Interval listed is minimum time between inspections; however, should conditions warrant, intervals can be shortened.

(3) **Item to Check/Service column.** This column provides the location and the item to be checked or serviced.

(4) **Procedure column.** This column gives the procedure you must do to check or service the item listed in the Item to Check/Service column to know if the equipment is ready or available for its intended mission or for operation. You must do the procedure at the time stated in the Interval column.

(5) **Not Fully Mission Capable If: column.** Information in this column tells you what faults will keep your equipment from being capable of performing its primary mission. If you make check and service procedures that show faults listed in this column, do not operate the equipment. Follow standard operating procedures for maintaining the equipment or reporting equipment failure.

Table 4-1. UNIT PREVENTIVE MAINTENANCE CHECKS AND SERVICES FOR GUN MOUNTS

ITEM NO.	INTERVAL	ITEM TO CHECK/ SERVICE	PROCEDURE	NOT FULLY MISSION CAPABLE IF:
1	Quarterly	Machine Gun Mounts	a. Check all gun mounts; make certain they are clean and lubricated. b. Check for operating elevation, depression, and traversing. c. Check all controls; make sure they function properly.	Parts are broken or missing. Mount does not operate through full required range of movement. Mount controls malfunction.

Table 4-1. UNIT PREVENTIVE MAINTENANCE CHECKS AND SERVICES FOR GUN MOUNTS (cont)

ITEM NO.	INTERVAL	ITEM TO CHECK/ SERVICE	PROCEDURE	NOT FULLY MISSION CAPABLE IF:
2	Quarterly	Tripod Mounts	<ul style="list-style-type: none"> d. Check cover; make sure it is clean, serviceable, and properly installed or stowed. e. Check mounts with equilibrators by checking adjustment of equilibrator with machine gun mounted. f. Check for MWO application. See DA PAM 25-30. If no MWO is used, Marine Corps Units check the SL1-2 for applicable MIs or TIs. a. Check functioning of legs, sleeve lock latch, and pintle lock assembly. b. Check components for dents, cracks, and distortion. c. Check handle and nut for retention on legs and wear or distortion of threads. d. Check rear legs for full extension. Rear legs should be forced apart by bar when in firing position. e. Check machine bolt (5139973) and nut for damaged threads or burrs. f. Check head for cracks or burrs. 	<p>Equilibrators out of adjustment inoperable.</p> <p>MWOs not applied per directives.</p> <p>Leg clamp loose. Sleeve lock latch inoperative. Pintle will not latch to tripod head. Parts are broken or missing.</p> <p>Mount does not operate through full required range of movement. Mount controls malfunction.</p> <p>Legs are inoperable. Legs do not contact side of tripod mount to ensure rigidity of mount.</p>

4-5. INTRODUCTION TO PMCS TABLE (cont)

Table 4-1. UNIT PREVENTIVE MAINTENANCE CHECKS AND SERVICES FOR GUN MOUNTS (cont)

ITEM NO.	INTERVAL	ITEM TO CHECK/ SERVICE	PROCEDURE	NOT FULLY MISSION CAPABLE IF:
3	Quarterly	Gun Mount Rings	g. Inspect general appearance of tripod. Check for damaged components and make sure it operates properly. Refer to FM 23-67. h. Make sure traversing and elevating mechanism moves freely. i. Inspect lock assembly, pintle assembly, and helical torsion spring. j. Extend the legs and check latch for wear and spring tension. k. Make sure all identification markings are legible. l. Check traversing mechanism for broken elevating stop. If broken or missing, notify direct support maintenance.	Parts are broken or missing. Parts are broken or missing. Latch is inoperative. Elevating stop broken or missing.
4	Quarterly	Pedestal Mounts	a. Check gun mount rings; make certain they are clean and lubricated. b. Check operation of pintle clamping screw. c. Check traversing action of carriage or ring. d. Check cover; make certain it is clean, serviceable, and properly installed or stowed. a. Check pedestal mounts; make certain they are clean and lubricated. b. Check operation of raising, lowering, and traversing.	Parts are broken or missing. Clamping screw missing or inoperable. Ring does not traverse through full required range. Parts are broken or missing. Mount does not operate through full required range of movement.

Section IV. UNIT TROUBLESHOOTING

4-6. TROUBLESHOOTING INFORMATION

- a. The malfunction index can be used as a quick guide to troubleshooting. Common malfunctions are listed in alphabetical order under each major assembly, with a page number reference to the troubleshooting table where a test or inspection and corrective action are provided.
- b. Table 4-2 lists the common malfunctions which you may find during operation or maintenance. You should perform the tests/inspections and corrective actions in the order listed.
- c. This manual cannot list all malfunctions that may occur, nor all tests or inspections and corrective actions. If a malfunction is not listed or is not corrected by listed corrective actions, notify your supervisor.
- d. Refer to lubrication instructions (para 3-1) for location of lubricating points.

UNIT MALFUNCTION INDEX

	Troubleshooting Procedure Page
GUN MOUNT RINGS	
Brake lever will not stay in locked or unlocked position	4-8
Machine gun mount traverses when pintle screw is tightened	4-8
Machine gun mount will not install into pintle socket	4-7
Ring mount does not traverse properly	4-8
Ring mount will not traverse after brake is released	4-8
MACHINE GUN MOUNTS	
Catch strike fails to hold machine gun to machine gun mount	4-7
Excessive effort must be made in order to elevate or depress machine gun mount	4-6
Machine gun mount does not swivel smoothly	4-7
6650 .50 cal machine gun mount will not hold machine gun in a horizontal position	4-7
Quick release and securing pins bind at installation	4-6
PEDESTAL MOUNTS	
Excessive effort is required to raise or lower M6 machine gun pedestal mount	4-9
M6 machine gun pedestal mount does not swivel smoothly	4-9
Quick release and securing pins bind at installation	4-9
TRIPOD MOUNTS	
Sleeve fails to lock on traversing bar assembly	4-7
Tripod mount fails to traverse	4-7

Table 4-2. UNIT TROUBLESHOOTING

MALFUNCTION

TEST OR INSPECTION

CORRECTIVE ACTION

MACHINE GUN MOUNTS

1. QUICK RELEASE AND SECURING PINS BIND AT INSTALLATION.

Check for dirt, paint, rust, and burrs on pins or in sides of holes.

- a. Remove dirt, paint, rust, and burrs.
- b. Lubricate cleaned areas.

2. EXCESSIVE EFFORT MUST BE MADE IN ORDER TO ELEVATE OR DEPRESS MACHINE GUN MOUNT.

Check grooved headless straight pin/headless straight pin/bolt for dirt, rust, and burrs.

- a. Remove dirt, dust, and burrs.
- b. Lubricate cleaned areas.

3. CATCH STRIKE FAILS TO HOLD MACHINE GUN TO M142 MACHINE GUN MOUNT.

Check catch strike for worn or broken helical torsion spring.

Notify direct support maintenance.

4. 6650 .50 CAL MACHINE GUN MOUNT WILL NOT HOLD MACHINE GUN IN A HORIZONTAL POSITION.

Check for broken torsion spiral spring or incorrect adjustment.

Notify direct support maintenance.

5. MACHINE GUN MOUNT DOES NOT SWIVEL SMOOTHLY.

Check pintle socket for dirt, paint, and burrs.

- a. Remove dirt, paint, and burrs.
- b. Lubricate cleaned areas.

Table 4-2. UNIT TROUBLESHOOTING (cont)

MALFUNCTION

TEST OR INSPECTION

CORRECTIVE ACTION

TRIPOD MOUNTS

6. TRIPOD MOUNT FAILS TO TRAVERSE.

Check for incorrect adjustment of traversing screw.

Notify direct support maintenance.

7. SLEEVE FAILS TO LOCK ON TRAVERSING BAR ASSEMBLY.

Check for incorrect adjustment of lever and traversing screw.

Notify direct support maintenance.

GUN MOUNT RINGS

8. MACHINE GUN MOUNT WILL NOT INSTALL INTO PINTLE SOCKET.

Check for dirt, paint, rust, and burrs in pintle socket.

a. Remove dirt, paint, rust, and burrs.

b. Lubricate cleaned areas.

9. MACHINE GUN MOUNT TRAVERSES WHEN PINTLE SCREW IS TIGHTENED.

Check for broken pintle screw.

Notify direct support maintenance.

10. RING MOUNT DOES NOT TRAVERSE PROPERLY.

Step 1. Check track, separator segments, and roller bearings for dirt, paint, rust, and burrs.

a. Remove dirt, paint, rust, and burrs.

b. Lubricate cleaned areas.

Step 2. Check brake assembly for proper adjustment.

Notify direct support maintenance.

Table 4-2. UNIT TROUBLESHOOTING (cont)

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

11. BRAKE LEVER WILL NOT STAY IN LOCKED OR UNLOCKED POSITION.

Step 1. Check detent and detent spring for dirt and rust.

- a. Remove dirt and rust.
- b. Lubricate cleaned areas.

Step 2. Check for broken detent spring.

Notify direct support maintenance.

12. RING MOUNT WILL NOT TRAVERSE AFTER BRAKE IS RELEASED.

Check brake for proper adjustment.

Notify direct support maintenance.

PEDESTAL MOUNTS

13. QUICK RELEASE AND SECURING PINS BIND AT INSTALLATION.

Check for dirt, paint, rust, and burrs on pins or in sides of holes.

- a. Remove dirt, paint, rust, and burrs.
- b. Lubricate cleaned areas.

14. EXCESSIVE EFFORT IS REQUIRED TO RAISE OR LOWER M6 MACHINE GUN PEDESTAL MOUNT.

Check quick internal column for dirt, rust, and burrs.

- a. Remove dirt, rust, and burrs.
- b. Lubricate cleaned areas.

15. MACHINE GUN DOES NOT SWIVEL SMOOTHLY.

Check pintle socket for dirt, paint, and burrs.

- a. Remove dirt, paint, and burrs.
- b. Lubricate cleaned areas.

Section V. PREPARATION FOR STORAGE OR SHIPMENT

4-7. PREPARATION FOR STORAGE OR SHIPMENT

a. General.

(1) This section establishes standards for overseas shipment (preembarkation inspection criteria) or domestic issue of mounts. These standards are provided to ensure that the user is furnished equipment which will perform its mission without early failure or major maintenance problems.

(2) The standards prescribed in table 4-3 provide for a high percentage of remaining life in affected equipment. Equipment designated for overseas shipment or domestic issue must qualify under the standard prescribed before it can be approved for such issue and/or shipping action. The term "Domestic Issue" covers the transfer of equipment between major commands (e.g., transfer of equipment between National Guard and Army).

b. For additional information and procedures for administrative storage of equipment, refer to TM 740-90-1, Administrative Storage of Equipment. Marine Corps personnel will use MCO P4610.19 (Transportation and Travel Record of Transportation Discrepancies) for checking unpacked equipment. Refer to MCO P4450.7 (Marine Corps Warehousing) and MCO P4790.2 (Administrative Storage of Equipment) for preparation of storage.

Section VI. PREEMBARKATION INSPECTION OF MATERIAL IN UNITS ALERTED FOR OVERSEAS MOVEMENT

4-8. PREEMBARKATION INSPECTION

Table 4-3. PREEMBARKATION INSPECTION

Item	Standard
MACHINE GUN MOUNTS	<ol style="list-style-type: none"> 1. Machine gun mounts must be complete. Make certain all components are in good condition. 2. The mounts must be clean, lubricated, and functional. Painted components must be thoroughly covered to prevent corrosion. 3. Machine gun covers must be clean and functional with no damage. 4. Cracked welds and damaged and missing parts will be repaired or replaced.

4-8. PREEMBARKATION INSPECTION (cont)

Table 4-3. PREEMBARKATION INSPECTION (cont)

Item	Standard
GUN MOUNT RINGS	<ol style="list-style-type: none"> 1. Gun mount rings must be complete. Make certain all components are in good condition. 2. The mounts must be clean, lubricated, and functional. Painted components must be thoroughly covered to prevent corrosion. 3. Carriages and rotating rings must function smoothly. 4. Brake assemblies must function properly to lock and unlock the carriage or rotating ring. 5. Pintle clamping screw must lock the gun mount to prevent traversing when screw is tightened. 6. On mounts containing backrests, make certain the backrest is in good condition with no damage. 7. Attaching hardware must be in good condition and tight. 8. Ring mount covers must be clean and functional, with no damage. 9. Cracked welds and damaged and missing parts will be repaired or replaced.
PEDESTAL MOUNTS	<ol style="list-style-type: none"> 1. Pedestal mounts must be complete. Make certain all components are in good condition. 2. The mounts must be clean, lubricated, and functional. Painted components must be thoroughly covered to prevent corrosion. 3. Internal column assembly must function smoothly. 4. Pintle clamping screw must lock the gun mount to prevent traversing when screw is tightened. 5. Attaching hardware must be in good condition and tight. 6. Cracked welds and damaged and missing parts will be repaired or replaced.

CHAPTER 5

DIRECT SUPPORT MAINTENANCE

DIRECT SUPPORT TROUBLESHOOTING

- a. The malfunction index can be used as a quick guide to troubleshooting. Common malfunctions are listed in alphabetical order under each major assembly, with a page number reference to the troubleshooting table where a test or inspection and corrective action are provided.
- b. Table 5-1 lists the common malfunctions which you may find during operation or maintenance. You should perform the tests/inspections and corrective actions in the order listed.
- c. This manual cannot list all malfunctions that may occur, nor all tests or inspections and corrective actions. If a malfunction is not listed or is not corrected by listed corrective actions, notify your supervisor.
- d. Refer to lubrication instructions (para 3-1) for location of lubricating points.

DIRECT SUPPORT MALFUNCTION INDEX

**Troubleshooting
Procedure
Page**

GUN MOUNT RINGS

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Front leg of M3 tripod mount fails to lock	5-3
Legs of M3 tripod mount fail to remain in locked position	5-4
Machine gun will not secure to mount	5-4
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Table 5-1. DIRECT SUPPORT TROUBLESHOOTING

MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
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MACHINE GUN MOUNTS

1. MACHINE GUN MOUNT WILL NOT INSTALL INTO PINTLE SOCKET.

Check for damaged pintle shank.

Replace pintle. Refer to paragraph 7-3, 10-2, or 11-2.

2. CATCH STRIKE FAILS TO HOLD MACHINE GUN TO M142 MACHINE GUN MOUNT.

Check catch strike for worn or broken helical torsion spring.

Replace worn or broken torsion helical spring. Refer to paragraph 10-2.

3. 6650 .50 CAL MACHINE GUN MOUNT WILL NOT HOLD MACHINE GUN IN HORIZONTAL POSITION WHEN TRAVEL LOCK PIN IS REMOVED.

Step 1. Check torsion spiral spring for incorrect adjustment.

Adjust torsion spiral spring. Refer to paragraph 11-2.

Step 2. Check for broken torsion spiral spring.

Replace and adjust torsion spiral spring. Refer to paragraph 11-2.

4. TRAVEL LOCK PIN, QUICK RELEASE PINS, OR SECURING PINS BIND AT INSTALLATION.

Step 1. Check for dirt, paint, rust, and burrs on pins or in sides of hole.

Remove dirt, paint, rust, and burrs.

Step 2. Check for bent pins.

Replace pins. Refer to paragraph 11-2.

Step 3. Check for bent or warped cradle or pintle.

Replace cradle or pintle. Refer to paragraph 11-2.

Table 5-1. DIRECT SUPPORT TROUBLESHOOTING (cont)

MALFUNCTION

TEST OR INSPECTION

CORRECTIVE ACTION

TRIPOD MOUNTS

5. M3 TRIPOD MOUNT FAILS TO TRAVERSE.

Check for defective screw assembly.

Replace traversing and elevating mechanism. Refer to paragraph 7-3.

6. M3 TRIPOD MOUNT FAILS TO ELEVATE.

Check for defective screw assembly.

Replace traversing and elevating mechanism. Refer to paragraph 7-3.

7. FRONT LEG OF M3 TRIPOD MOUNT FAILS TO LOCK.

Step 1. Check for defective front leg clamping screw nut.

Replace defective front leg clamping screw nut. Refer to paragraph 7-4.

Step 2. Check for damaged serrations on retaining plate.

Replace damaged retaining plate. Refer to paragraph 7-4.

Step 3. Check for damaged serrations on upper front tripod mount leg.

Replace damaged upper front tripod mount leg. Refer to paragraph 7-6.

Step 4. Check for distortion of front tripod mount leg.

Replace distorted front tripod mount leg. Refer to paragraph 7-6.

8. M2 MACHINE GUN DOES NOT SECURE PROPERLY TO M3 TRIPOD MOUNT.

Step 1. Check for defective mount pintle.

Replace defective mount pintle. Refer to paragraph 7-3.

Step 2. Check for defective sleeve bearing in tripod head.

Replace tripod head. Refer to paragraph 7-4.

Table 5-1. DIRECT SUPPORT TROUBLESHOOTING (cont)

MALFUNCTION

TEST OR INSPECTION

CORRECTIVE ACTION

9. LEGS OF M3 TRIPOD MOUNT FAIL TO REMAIN IN LOCKED POSITION.

Step 1. Check for defective spring or lever.

Replace defective spring or lever. Refer to paragraphs 7-5, 7-6, and 7-7.

Step 2. Check for incorrect adjustment of traversing bar assembly.

Readjust bar. Refer to paragraph 7-3.

10. M122 TRIPOD MOUNT FAILS TO TRAVERSE.

Step 1. Check adjustment area of traversing and elevating assembly for movement.

Replace traversing and elevating assembly. Refer to paragraph 6-3.

Step 2. Check clamping area of traversing and elevating mechanism assembly for broken or missing parts.

Replace machine screw, lockwasher, traversing slide lock lever, helical torsion spring, and traversing slide lock screw. Refer to paragraph 6-5.

Step 3. Check traverse bar assembly for bends or dents.

Replace traverse bar assembly. Refer to paragraph 6-4.

11. MACHINE GUN WILL NOT SECURE TO MOUNT.

Step 1. Check for bent or deformed lock release lever and headless grooved pin. Check helical torsion spring for weak spring action.

Replace defective parts. Refer to paragraph 6-6.

Step 2. Check traversing and elevating mechanism adapter assembly locking action.

Replace traversing and elevating mechanism adapter assembly. Refer to paragraph 6-3.

Table 5-1. DIRECT SUPPORT TROUBLESHOOTING (cont)

MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
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GUN MOUNT RINGS

12. MACHINE GUN MOUNT TRAVERSES WHEN PINTLE SCREW IS TIGHTENED.

Step 1. Check for broken headless shoulder pin.

Replace headless shoulder pin. Refer to paragraph 8-4.

Step 2. Check for broken pintle lock (M66).

Replace pintle lock. Refer to paragraph 8-4.

13. BRAKE ASSEMBLY FAILS TO LOCK OR UNLOCK RING ASSEMBLY.

Check for broken clamps or brake shoe.

Replace clamp or brake shoe. Refer to paragraph 8-4.

14. BRAKE LEVER WILL NOT STAY IN LOCKED OR UNLOCKED POSITION.

Step 1. Check detent and detent spring for dirt and rust.

a. Remove dirt and rust.

b. Lubricate cleaned areas.

Step 2. Check for broken detent spring.

Replace broken detent spring. Refer to paragraph 8-5.

15. RING MOUNT DOES NOT TRAVERSE PROPERLY.

Step 1. Check for frozen, dirty, or broken bearings and rollers.

a. Clean or replace bearings and rollers.

b. Lubricate bearings and rollers.

Step 2. Check for warped ring assembly.

Replace ring mount. Refer to paragraph 8-4.

Step 3. Check for proper assembly and installation.

Properly assemble and install.

CHAPTER 6

M122/M122A1 MACHINE GUN TRIPOD MOUNT

Section 1. UNIT MAINTENANCE INSTRUCTIONS

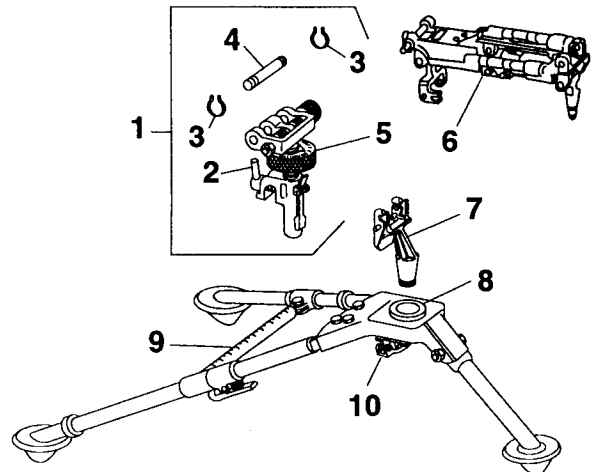
6-1. M122/M122A1 MACHINE GUN TRIPOD MOUNT - MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

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

DISASSEMBLY

- 1 Release pintle lock assembly (10) and remove mount pintle (7) (M122 only).
- 2 Remove one retaining clip (3) and remove pin (4).
- 3 Remove flex mount (6) (M122A1 only) from sleeve bushing (8) and the mechanism assembly (5).
- 4 Turn traversing lever (2) counter-clockwise and remove traversing and elevating mechanism (1) from traverse bar assembly (9).



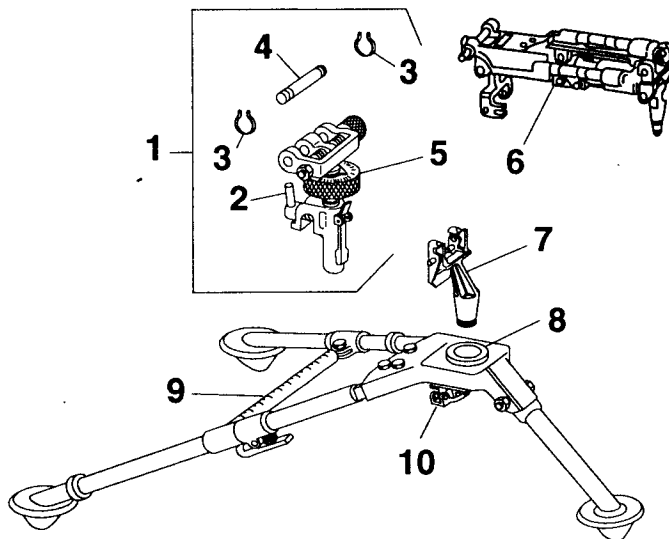
INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Traversing and elevating mechanism (1) is a repairable assembly. Refer to paragraph 6-2.
- 3 Mount pintle (7) is a repairable assembly. Refer to paragraph 6-3.
- 4 Flex mount assembly (6) is a repairable assembly. Refer to paragraph 9-1.
- 5 For further disassembly of tripod leg assembly, notify direct support maintenance.
- 6 Repair is by replacement of authorized parts (appx C).

6-1. M122/M122A1 MACHINE GUN TRIPOD MOUNT - MAINTENANCE INSTRUCTIONS (cont)

REASSEMBLY

- 1 Place mount pintle (7) in sleeve bushing (8) and lock pintle lock assembly (10).
- 2 Place traversing and elevating mechanism (1) on traverse bar assembly (9) and secure by turning traversing lever (2) clockwise.
- 3 Place flex mount (6) (M122A1 only) in sleeve bushing (8) and on mechanism assembly (5) and lock pintle lock assembly (10).
4. Install pin (4) and replace retaining clip (3).



6-2. MECHANISM ASSEMBLY (TRAVERSING AND CLAMPING UNIT) - MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:		
a. Disassembly	b. Inspection/Repair	c. Reassembly
INITIAL SETUP		
<i>Tools and Special Tools</i> Small Arms Repairman Tool Kit (item 2, appx B)		
<i>Materials/Parts</i> Lockwasher (11010413)		
<i>Equipment Condition</i> 6-1 Traversing and elevating mechanism removed		

DISASSEMBLY

Remove machine screw (6) and lockwasher (5) from traversing lever (4). Discard lockwasher. Remove traversing lever (4), helical torsion spring (3) and machine screw (2) from elevating mechanism sleeve (1).

INSPECTION/REPAIR

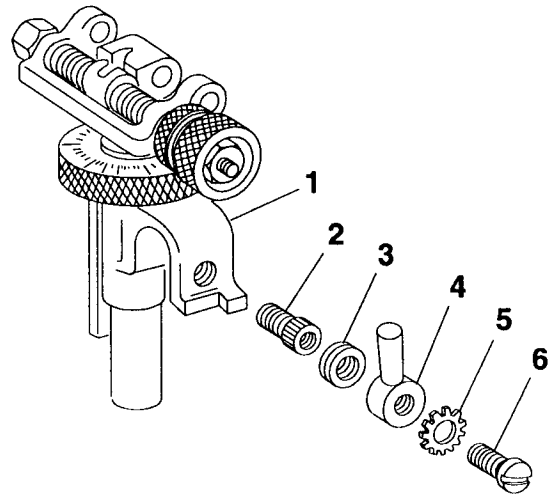
- 1 Inspect for broken, damaged, or missing parts.
- 2 For further disassembly of mechanism assembly (traversing and clamping unit), notify direct support maintenance.
- 3 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

Install machine screw (2), helical torsion spring (3), and traversing lever (4) on elevating mechanism sleeve (1). Secure with new lockwasher (5) and machine screw (6).

NOTE

Machine screw (6) will need to be adjusted when traversing lever (4) is installed. Traversing lever (4) must be aligned with traverse bar assembly.



6-3. MOUNT PINTLE - MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

a. Disassembly

b. Inspection/Repair

c. Reassembly

INITIAL SETUP

Tools and Special Tools

Small Arms Repairman Tool Kit (item 2, appx B)

Personnel Required

2

Equipment Condition

6-3 Mount pintle removed

DISASSEMBLY

WARNING

To avoid injury to your eyes, use care when removing and installing spring-loaded parts.

Remove headless grooved pin (1), helical torsion spring (2), and lock-release lever (3) from pintle (4).

INSPECTION/REPAIR

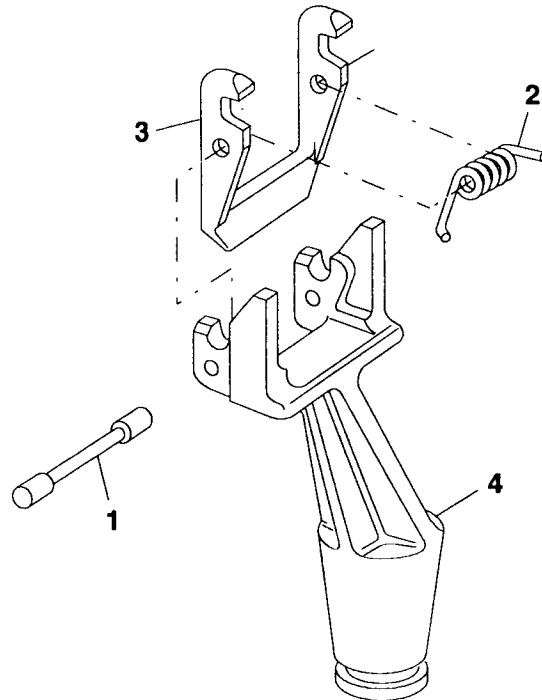
- 1 Inspect for broken, damaged, or missing parts.
- 2 If pintle (4) is broken or damaged, repair is by replacement of next higher assembly.
- 3 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

NOTE

Have helper assist in reassembly of mount pintle.

Install helical torsion spring (2) and lock-release lever (3), and secure to pintle (4) with headless grooved pin (1).



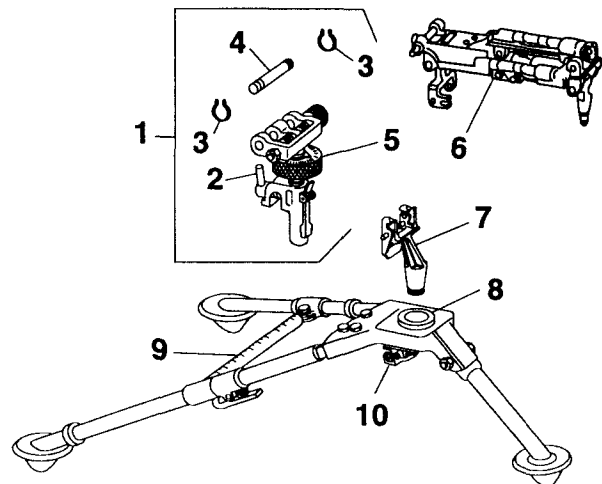
SECTION II. DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

6-4. M122/M122A1 MACHINE GUN TRIPOD MOUNT AND TRAVERSING AND ELEVATING MECHANISM MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:		
a. Disassembly	b. Inspection/Repair	c. Reassembly
INITIAL SETUP		
<i>Tools and Special Tools</i>		
Small Arms Repairman Tool Kit (item 2, appx B)		
Small Arms Shop Set (item 1, appx B)		

DISASSEMBLY

- 1 Release pintle lock assembly (10) and remove mount pintle (7) (M122 only).
- 2 Remove one retaining clip (3) and remove pin (4).
- 3 Remove flex mount (6) (M122A1 only) from sleeve bushing (8) and the mechanism assembly (5).
- 4 Turn traversing lever (2) counter-clockwise and remove traversing and elevating mechanism (1) from traverse bar assembly (8).



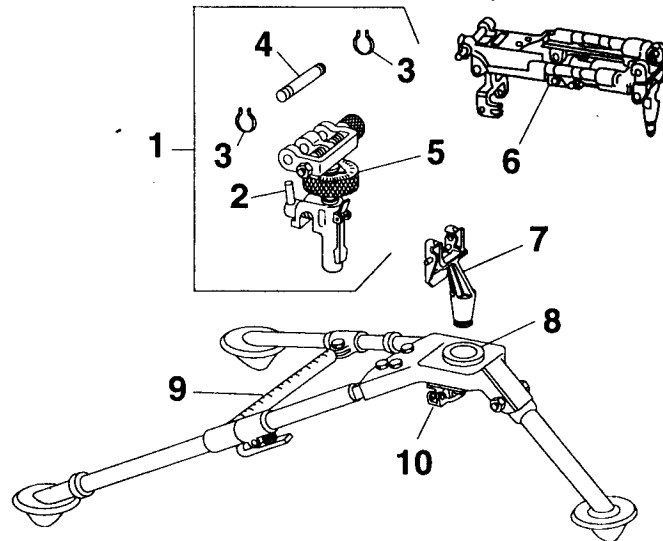
INSPECTION /REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 For further disassembly of tripod leg assembly, refer to paragraph 6-5.
- 3 Traversing and elevating mechanism assembly (1) is a repairable assembly. Refer to paragraph 6-6.
- 4 Mount pintle (7) is a repairable assembly. Refer to paragraph 6-3.
- 5 Flex mount (6) is a repairable assembly. Refer to paragraph 9-1.
- 6 Repair is by replacement of authorized parts (appx C).

6-4. M122/M122A1 MACHINE GUN TRIPOD MOUNT AND TRAVERSING AND ELEVATING MECHANISM MAINTENANCE INSTRUCTIONS (cont)

REASSEMBLY

- 1 Place mount pintle (7) (M122 only) in sleeve bushing (8) and lock pintle lock assembly (10).
- 2 Place traversing and elevating mechanism (1) on traverse bar assembly (9) and secure by turning traversing lever (2) clockwise.
- 3 Place flex mount (6) (M122A1 only) in sleeve bushing (8) and on mechanism assembly (5) and lock pintle lock assembly (10).
4. Install pin (4) and replace retaining clip (3).



6-5. TRIPOD LEG ASSEMBLY - MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

a. Disassembly

b. Inspection/Repair

c. Reassembly

INITIAL SETUP

Tools and Special Tools

Small Arms Repairman Tool Kit (item 2, appx B)

Small Arms Shop Set (item 1, appx B)

Materials/Parts

Bolt, machine (5169879)

Bolt, machine (2) (5169880)

Bolt, machine (2) (5169881)

Lockwasher (2) (11010529)

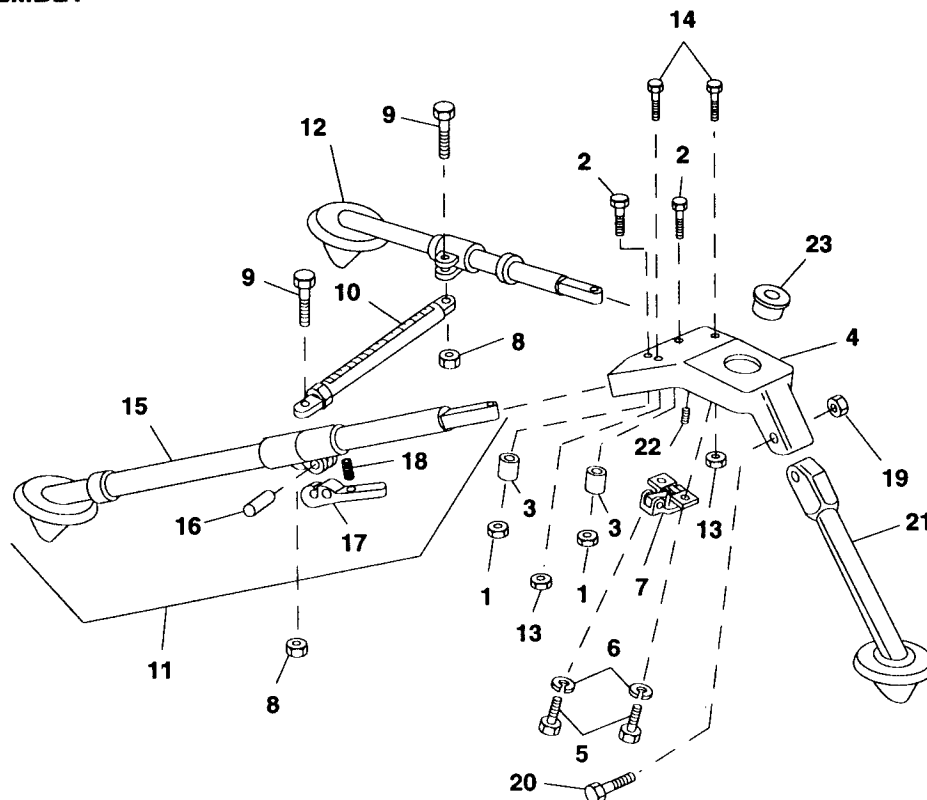
Nut, plain, hexagon (4) (MS51968-2)

Nut, plain, hexagon (3) (MS51968 8)

Equipment Condition

6-4 Traversing and elevating mechanism and pintle mount/flex mount removed

DISASSEMBLY



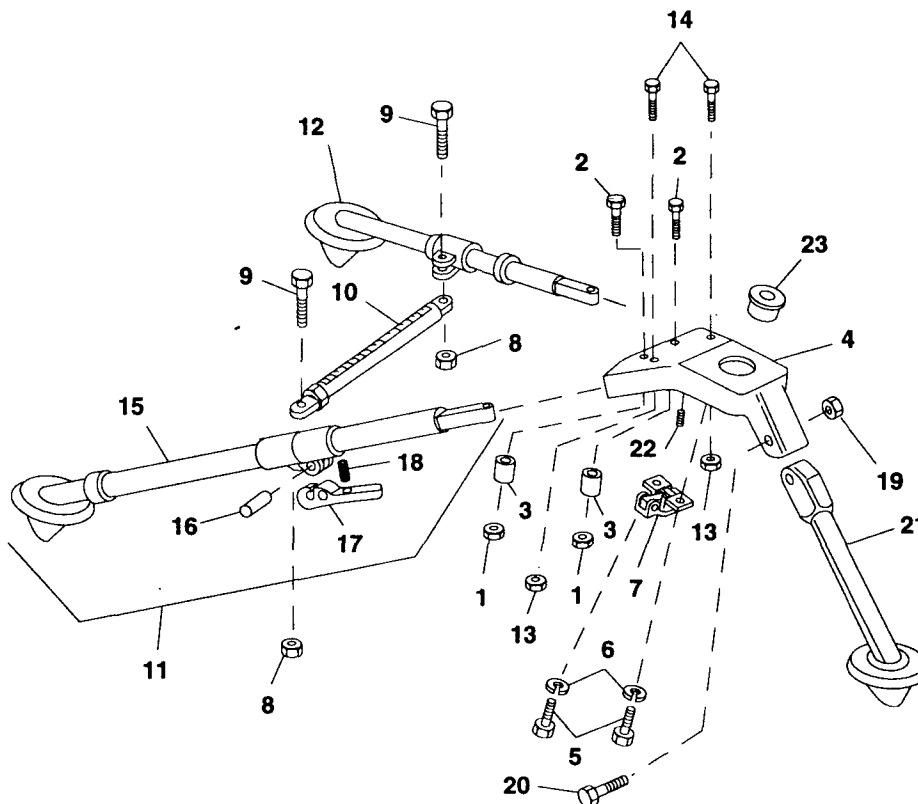
- 1 If damaged, remove two hex plain nuts (1), two machine bolts (2), and two sleeve spacers (3) from head (4).

6-5. TRIPOD LEG ASSEMBLY - MAINTENANCE INSTRUCTIONS

WARNING

Make sure pintle lock assembly is in locked position before removing.

- 2 If damaged, remove two machine screws (5), two lockwashers (6), and pintle lock assembly (7) from head (4). Discard two lockwashers.
- 3 Remove two hex plain nuts (8), two machine bolts (9), and traverse bar assembly (10) from pintle tripod mount legs (11 and 12).
- 4 Remove two hex plain nuts (13), two machine bolts (14), tripod mount legs (11 and 12), from head (4).



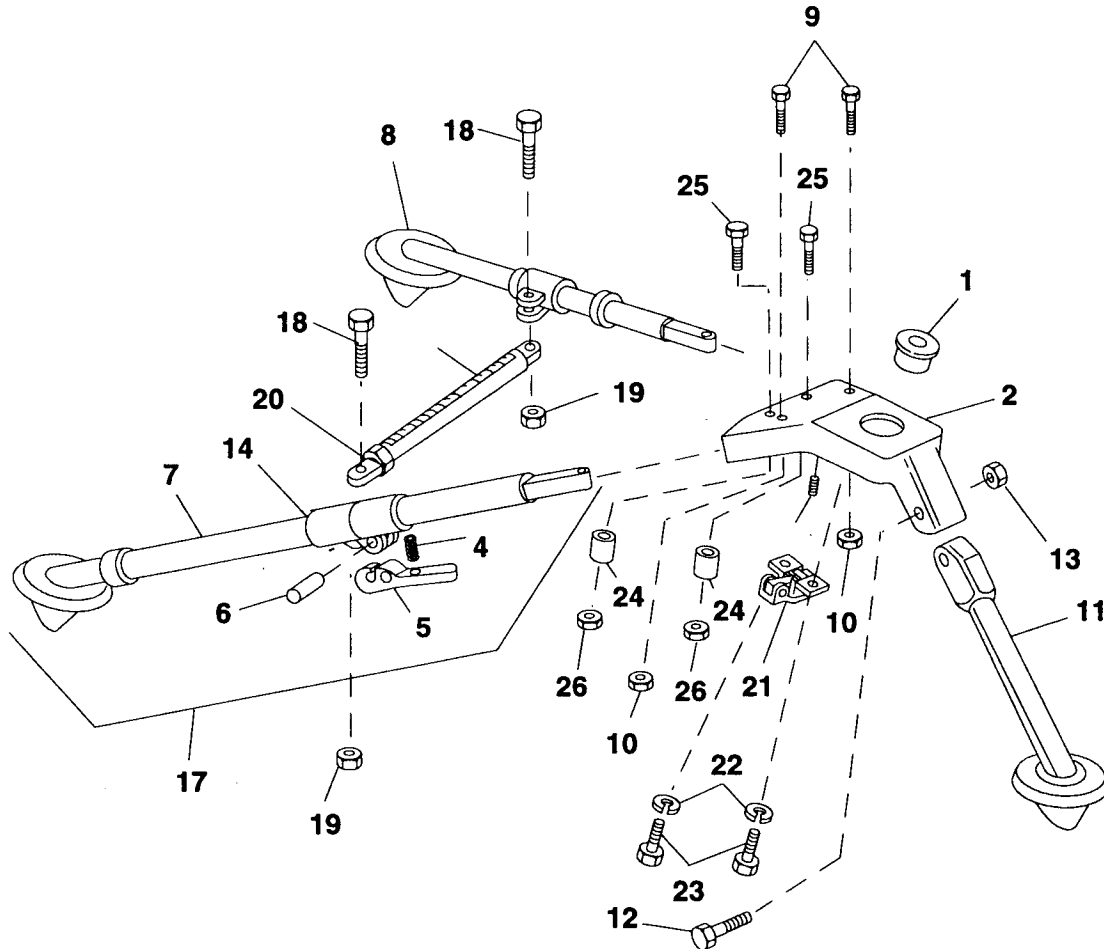
WARNING

To avoid injury to eyes, use care when removing and installing spring-loaded parts.

- 5 Remove straight pin (16), sleeve latch (17), and helical spring (18) from body (15).
- 6 Remove hex plain nut (19), machine bolt (20), and tripod mount leg (21) from head (4).
- 7 If damaged, remove setscrew (22) from sleeve bushing (23), and remove sleeve bushing (23) from head(4).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Pintle lock assembly is a repairable assembly. Refer to paragraph 6-7.



- 3 If body (2) is broken or damaged, repair is by replacement of the next higher assembly.
- 4 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 If removed, install sleeve bushing (1) in head (2). Install setscrew (3) in sleeve bushing (1).
- 2 Install helical spring (4), sleeve latch (5), and straight pin (6) on body (7).
- 3 Install leg (17) and tripod mount leg (12) on head (2) and secure with two machine bolts (20) and two hex plain nuts (10).
- 4 Install tripod mount leg (11) and secure to head (2) with machine bolt (20) and hex plain nut (13).

6-5. TRIPOD LEG ASSEMBLY - MAINTENANCE INSTRUCTIONS (cont)

NOTE

Adjust hex plain nuts for 0.003 in. (0.008 cm) maximum clearance between head and legs. All legs must pivot freely.

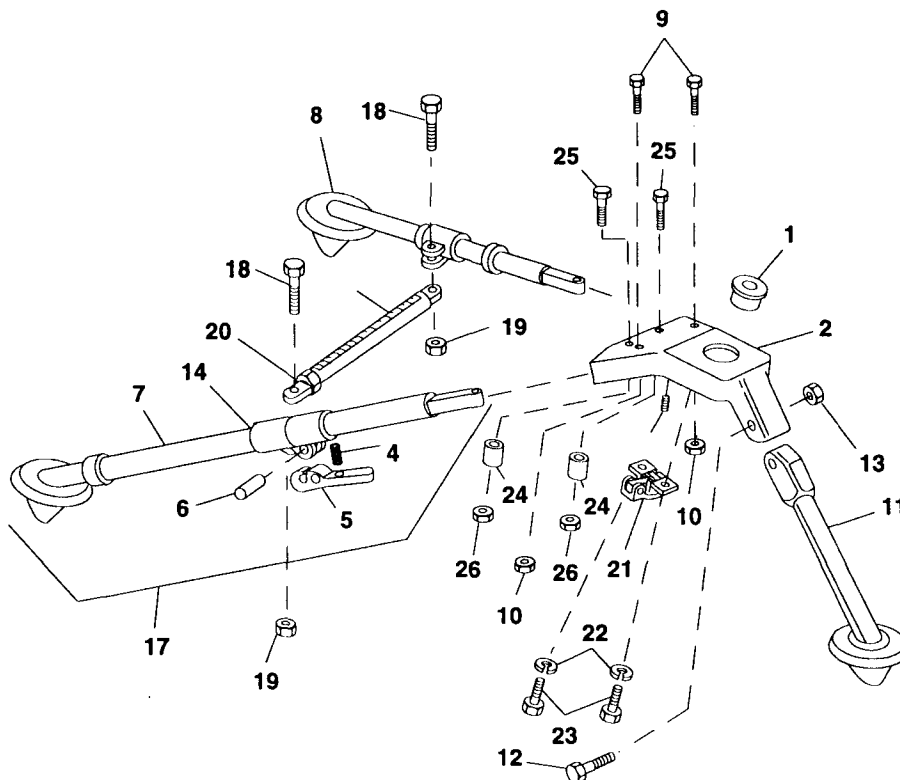
Place legs in vise before staking.

- 5 Stake hex plain nuts (10 and 13) to machine blots (9 and 12) in three places.

NOTE

Traverse bar assembly (16) must be adjusted so the sleeve (14) and stop (15) are 0.25 to 0.38 in. (0.64 to 0.97 cm) apart before locking.

- 6 Install traverse bar assembly (16) on two tripod mount legs (12 and 17), and secure with two machine bolts (18) and two hex plain nuts (19).
- 7 Stake hex plain nuts (19) to machine bolts (18) in three places.
- 8 Tighten nut (20) and stake in slot on traverse bar assembly (16).
- 9 If removed, install pintle lock assembly (21), two new lockwashers (22), and two machine screws (23) on head (2).
- 10 If removed, install two sleeve spacers (24), two machine bolts (25), and two hex plain nuts (26) on head (2).
- 11 Stake two hex plain nuts (26) to two machine bolts (25) in three places.



6-6. MECHANISM ASSEMBLY (TRAVERSING AND CLAMPING UNIT) AND MECHANISM ASSEMBLY (ELEVATING UNIT) - MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

a. Disassembly

b. Inspection/Repair

c. Reassembly

INITIAL SETUP

Tools and Special Tools

Small Arms Repairman Tool Kit (item 2, appx B)

Small Arms Shop Set (item 1, appx B)

Spanner Wrench (item 3, appx B)

Materials/Parts

Lockwasher (11010413)

Self-locking nut (MS51943-2)

Self-locking nut (MS51943-4)

Spring pin (MS16562-120)

Equipment Condition

6-4 Traversing and elevating mechanism disassembly

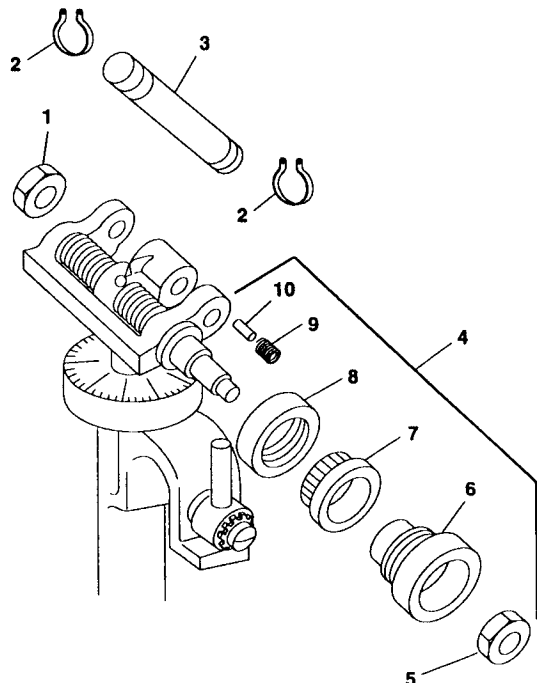
DISASSEMBLY

- 1 Remove two retaining rings (2) from headless grooved pin (3).
- 2 Remove headless grooved pin (3) from traversing and elevating mechanism.
- 3 Remove and discard two self-locking nuts (1 and 5).
- 4 Remove traversing handwheel (4) as a unit.

WARNING

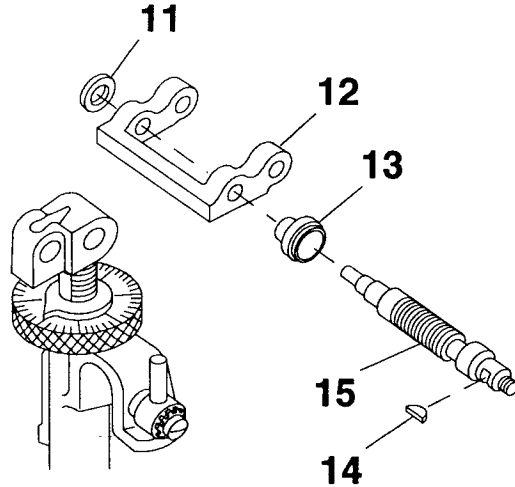
To avoid injury to eyes, use care when removing and installing spring-loaded parts.

- 5 Separate union nut (8), scale dial (7), headless straight pin (10), compression helical spring (9), and knob (6).

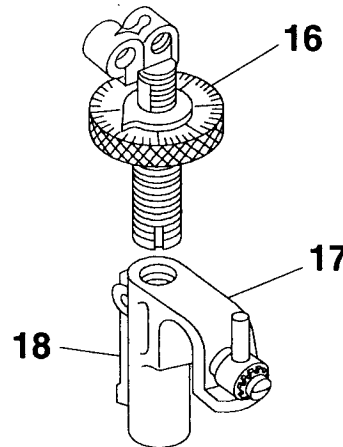


6-6. MECHANISM ASSEMBLY (TRAVERSING AND CLAMPING UNIT) AND MECHANISM ASSEMBLY (ELEVATING UNIT) - MAINTENANCE INSTRUCTIONS (cont)

- 6 Remove woodruff key (14) and flat washer (11) from traversing screw (15). Push traversing mechanism ring (13) from yoke (12) and remove traversing screw (15) from yoke.



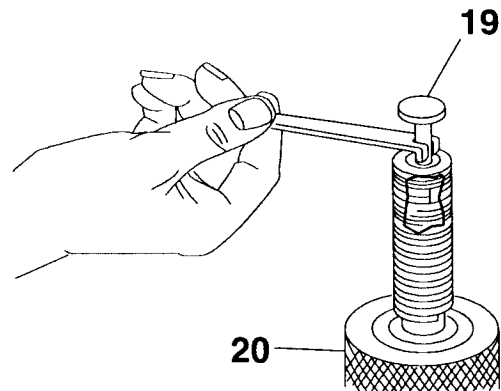
- 7 Pull out slightly on elevating stop assembly (18) and remove elevating screw assembly (16) from elevating mechanism sleeve (17).



NOTE

Break staking stop screw with punch and hammer before removing gun stop.

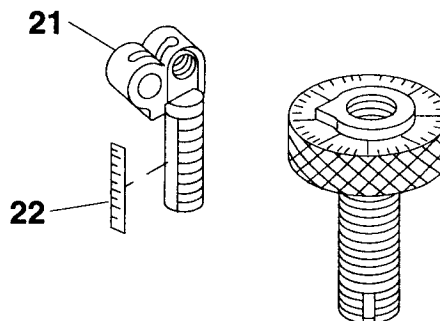
- 8 Turn elevating screw assembly until compressed or flush. Using spanner wrench (item 3, appx B), remove automatic gun stop (19) from end of elevating screw (20).



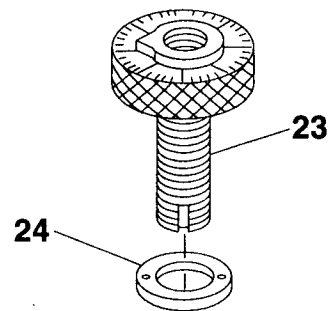
DISASSEMBLY (cont)

9 Remove upper elevating screw (21) with scale plate (22) attached.

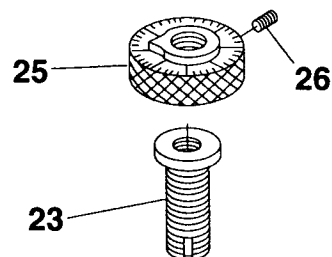
10 If damaged, remove scale plate (20).



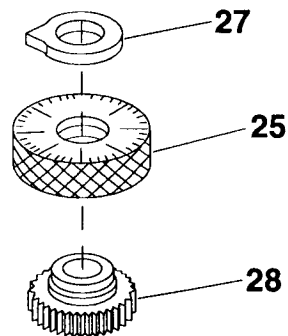
11 Remove externally threaded ring (24) from lower elevating screw (23).



12 Remove setscrew (26) and lower elevating screw (23) from knob (25).



13 Smooth stake marks on handwheel click ring (28) and remove. Remove dial pointer (27) from knob (25).

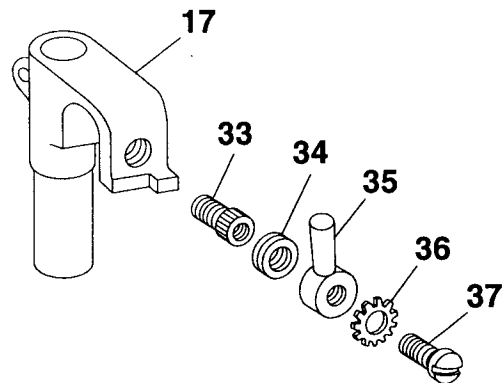
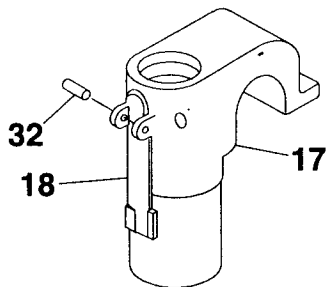
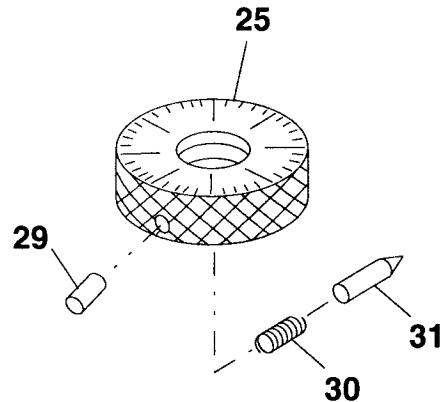


6-6. MECHANISM ASSEMBLY (TRAVERSING AND CLAMPING UNIT) AND MECHANISM ASSEMBLY (ELEVATING UNIT) - MAINTENANCE INSTRUCTIONS (cont)

WARNING

To avoid injury to eyes, use care when removing and installing spring-loaded parts.

- 14 Remove headless straight pin (31) and compression helical spring (30) through the center hole of knob (25).
- 15 If damaged, drill out plain solid disk (29).
- 16 Drive out and discard spring pin (32).



- 17 Smooth staked metal on elevating stop assembly (18) and remove from elevating mechanism sleeve (17).
- 18 Remove machine screw (37) and lockwasher (36) from traversing lever (35). Remove traversing lever torsion helical spring (34), and machine screw (33) from elevating mechanism sleeve (17). Discard lockwasher (36).

INSPECTION/REPAIR

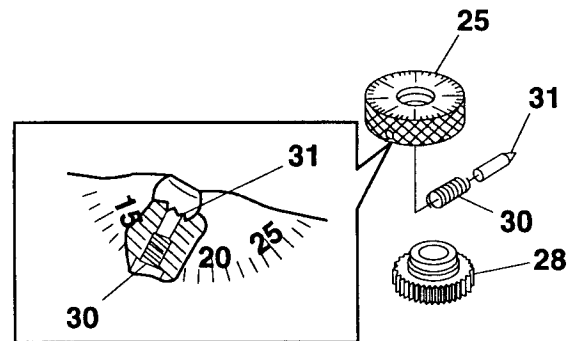
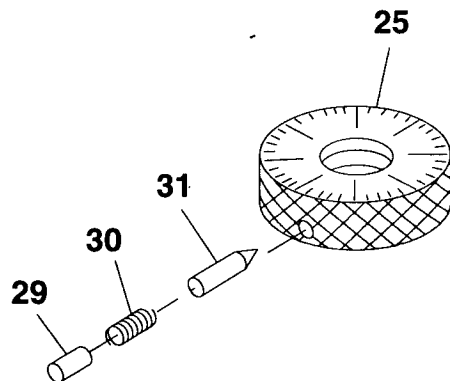
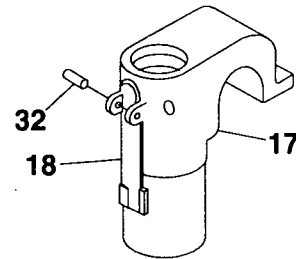
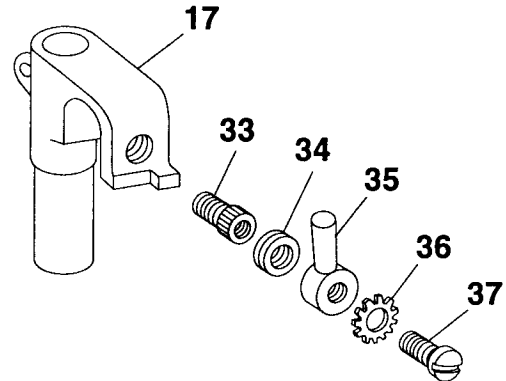
- 1 Inspect for broken, damaged, or missing parts.
- 2 If yoke is broken or missing, repair is by replacement of next higher assembly.
- 3 If upper elevation screw, lower elevation screw, traversing screw, or elevating mechanism sleeve are broken or damaged, repair is by replacement of next higher assembly.
- 4 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

NOTE

Machine screw (1) will need to be adjusted when traversing lever is installed. Traversing lever must be aligned with traverse bar assembly.

- 1 Install machine screw (33), torsion helical spring (34), and traversing lever (35) on elevating mechanism sleeve (17). Secure with new lockwasher (36) and machine screw (37).
- 2 Install elevating stop assembly (18) and stake in four places near bottom. Install new spring pin (32) and stake material of elevating mechanism sleeve (17) over spring pin on both ends.



NOTE

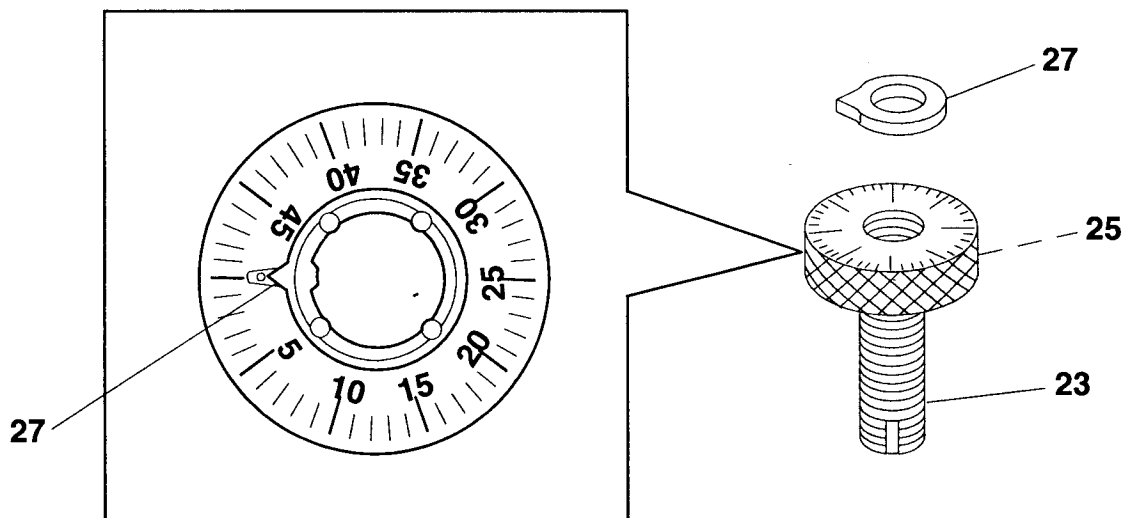
If plain solid disk was removed, perform steps 3 and 4. If plain solid disk was not removed, go to step 5.

- 3 Drill out any portion of plain solid disk remaining in hole of knob (25) using 0.125 (1/8) in. twist drill.
- 4 Install headless straight pin (31), compression helical spring (30), and plain solid disk (29) in side of knob (25). Disk is to be flush to 0.010 in. (0.025 cm) below outer diameter of knob (25). Stake rim of hole in three places.

6-6. MECHANISM ASSEMBLY (TRAVERSING AND CLAMPING UNIT) AND MECHANISM ASSEMBLY (ELEVATING UNIT) - MAINTENANCE INSTRUCTIONS (cont)

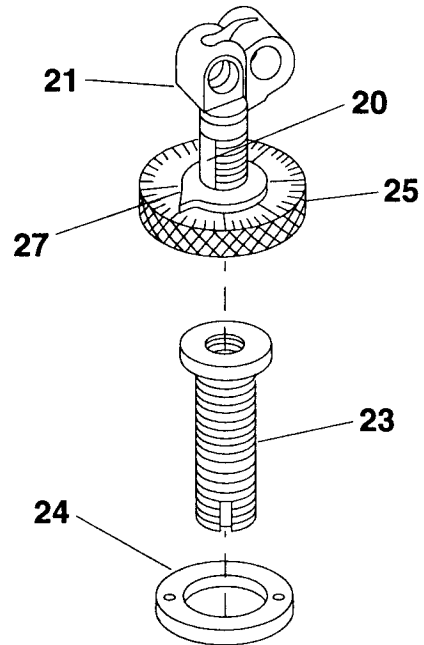
REASSEMBLY (cont)

- 5 Install compression helical spring (30) and headless straight pin (31) through center hole of knob (25).
- 6 Apply pressure to end of headless straight pin (31) and hold it while inserting handwheel click ring (28). Make sure key of handwheel click ring is aligned with 0 graduation mark on knob (25).



- 7 Position lower elevating screw (23) under handwheel click ring (25) and rest it on a flat surface. Install dial pointer (27) on handwheel click ring. Make sure dial pointer aligns within 0.030 in. (0.076 cm) of 0 graduation. Stake in four places, 90 degrees \pm 5 degrees apart.

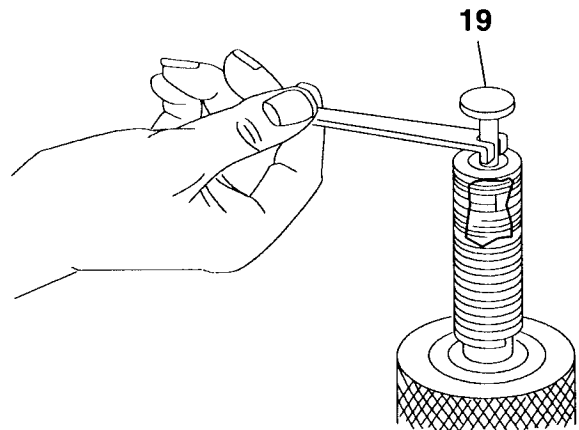
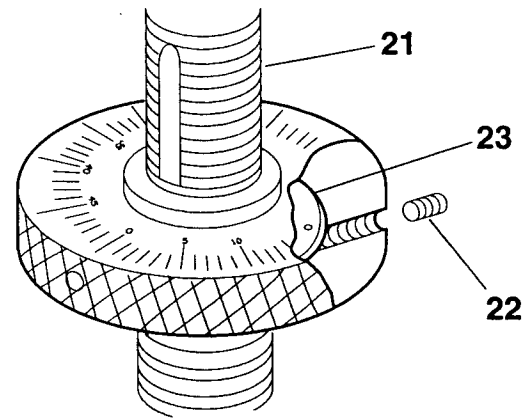
- 8 If removed, install scale plate (20). Position as far as possible toward upper end of groove. Stake on both sides at top, middle, and bottom of scale plate (six locations total) in the base of thread area to prevent thread damage.
- 9 Slide knob (25) on upper elevating screw (21) until top of dial pointer (27) is aligned with 0 graduation on scale plate (20). Screw lower elevating screw (23) on upper elevating screw (21) until fully seated in knob (25). Recheck graduation alignment to make sure it is correct.
- 10 Install externally threaded ring (24) on knob (25). Tighten externally threaded ring until flush with bottom of knob and stake in two places.



NOTE

If threaded hole in knob does not align with original hole in flange of lower elevation screw, perform step 11. If holes are aligned, go to step 12.

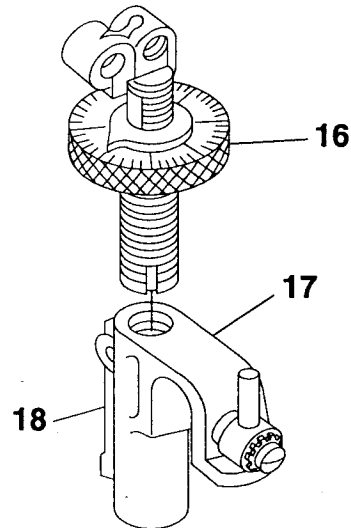
- 11 Drill flange hole in lower elevation screw (23) to a depth of 0.30 in. (0.76 cm) using a 0.078 (5/64) in. twist drill.
- 12 Recheck to make sure graduation alignment has been maintained. Install and tighten setscrew (22).
- 13 Screw upper elevating screw (21) in lower elevating screw (23).
- 14 Using spanner wrench (item 3, appx B) install automatic gun stop (19) until flush and stake in two places 180 degrees apart.



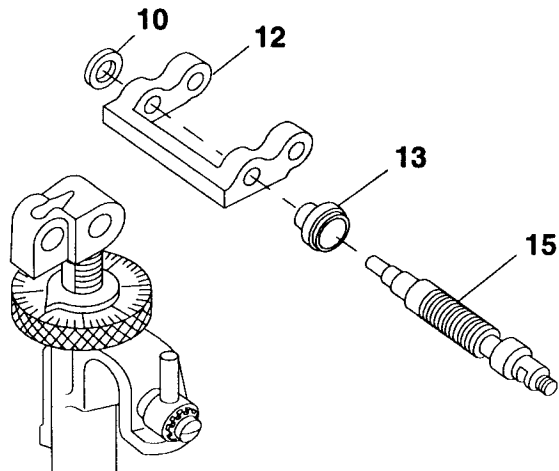
6-6. MECHANISM ASSEMBLY (TRAVERSING AND CLAMPING UNIT) AND MECHANISM ASSEMBLY (ELEVATING UNIT) - MAINTENANCE INSTRUCTIONS (cont)

REASSEMBLY (cont)

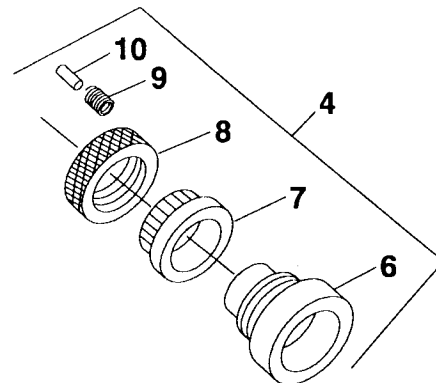
- 15 Pull back slightly on elevating stop assembly (18) and screw elevating screw assembly (16) in elevating mechanism sleeve (17).



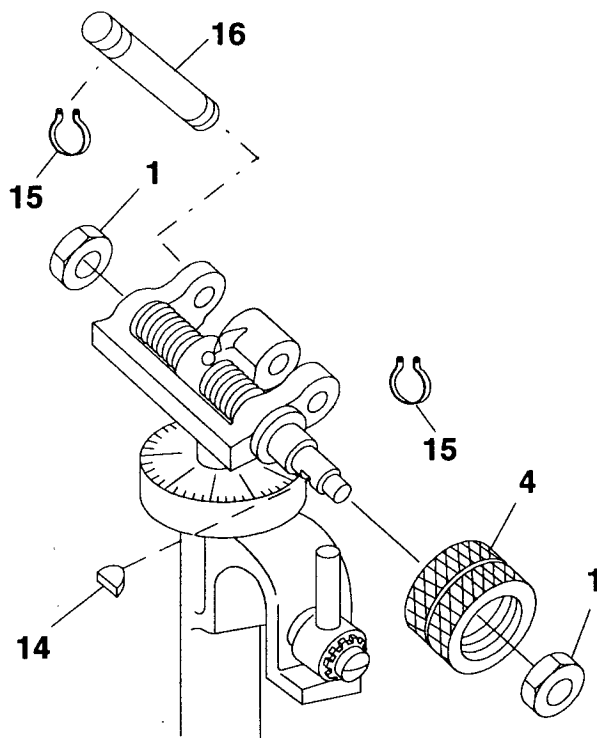
- 16 Install yoke (12), traversing mechanism ring (13), traversing screw (15), and flat washer (10).



- 17 Assemble union nut (4), scale dial (7), headless straight pin (10), compression helical spring (9), and knob (4) to make traversing handwheel.



- 18 Install woodruff key (14) and traversing handwheel (4), and secure with two new self-locking nut (1). Traversing handwheel should move freely with no more than 1/16 of a turn backlash.
- 19 Install headless grooved pin (16) and two retaining rings (15) on traversing and elevating mechanism.



6-7. PINTLE LOCK ASSEMBLY - MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

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

INITIAL SETUP

Tools and Special Tools

Small Arms Shop Set (item 1, appx B)

Materials/Parts

Solid rivet (11010448)

Equipment Condition

6-5 Pintle lock assembly removed

DISASSEMBLY

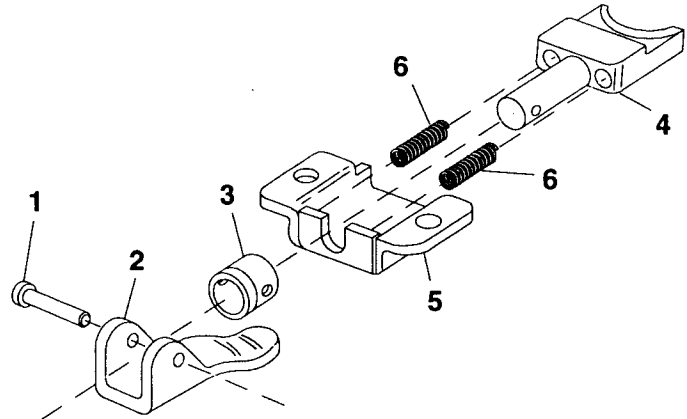
WARNING

To avoid injury to your eyes, use care when removing and installing spring-loaded parts.

WARNING

To avoid injury to your eyes, wear safety glasses when grinding parts.

- 1 Grind head off solid rivet (1). Remove solid rivet and pintle lock release cam (2). Discard solid rivet.
- 2 Remove shaft collar (3) from body (4).
- 3 Remove housing (5) and two helical springs (6) from body (4).



INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 If shaft collar, body, or housing are broken or damaged, repair is by replacement of next higher assembly.
- 3 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 Install two helical springs (6) in body (4). Install body in housing (5) so that post sticks out through U-shaped opening of housing.
- 2 Install shaft collar (3) on body (4).
- 3 Position pintle lock release cam (2) over body (4) and secure with new solid rivet (1). Pintle lock release cam should pivot freely after riveting. Peen over end of rivet.

CHAPTER 7

M3 TRIPOD MOUNT

Section I. UNIT MAINTENANCE INSTRUCTIONS

7-1. M3 MACHINE GUN TRIPOD MOUNT—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

a. Disassembly

b. Inspection/Repair

c. Reassembly

INITIAL SETUP

Tools and Special Tools

Small Arms Repairman Tool Kit (item 2, appx B)

Materials/Parts

Cotter pin (MS24665-834)

DISASSEMBLY

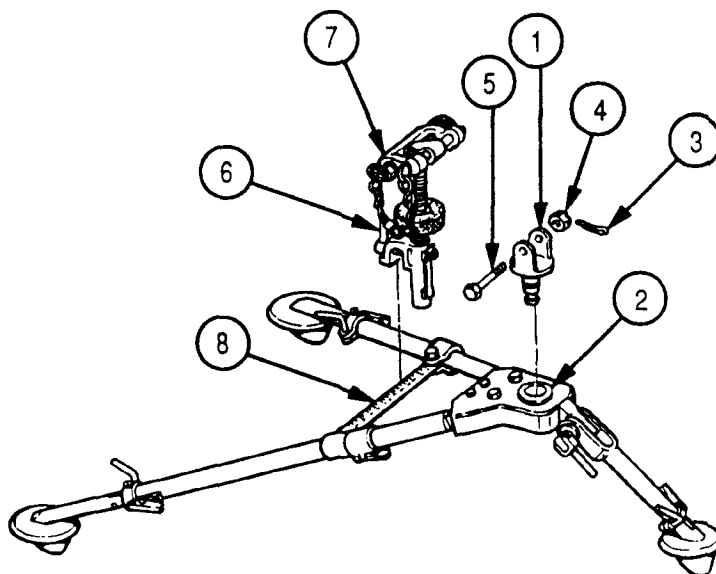
- 1 If damaged, remove mount pintle (1) from sleeve bearing (2).
- 2 Remove cotter pin (3), slotted plain nut (4), and machine bolt (5) from mount pintle (1). Discard cotter pin.
- 3 Turn remote control lever (6) counterclockwise and remove elevation mechanism (7) from traversing bar assembly (8).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Elevation mechanism is a repairable assembly. Notify direct support maintenance.
- 3 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 Place elevation mechanism (7) on traversing bar assembly (8) and secure by turning remote control lever (6) clockwise.
- 2 Install machine bolt (5), slotted plain nut (4), and new cotter pin (3) on mount pintle (1).
- 3 If removed, install mount pintle (1) on sleeve bearing (2).



7-2. TRIPOD MOUNT LEG (LEFT REAR, FRONT, AND RIGHT REAR)—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:			
a. Inspection	b. Disassembly	c. Repair	d. Reassembly
INITIAL SETUP			
<i>Tools and Special Tools</i> Small Arms Repairman Tool Kit (item 2, appx B)			
<i>Materials/Parts</i> Lockwasher (11010530)			

NOTE

Unit maintenance on the tripod mount legs (left rear, front, and right rear) consists of replacing hardware that is missing or damaged. Procedures for the three legs are identical. The following procedure is written and illustrated for the left rear tripod mount leg but applies to all three tripod mount legs.

INSPECTION

Check for broken, damaged, or missing parts.

DISASSEMBLY

- 1 Remove setscrew (1) and lockwasher (2) from mount leg (3). Discard lockwasher.
- 2 Remove spring pin (4) and hexagon plain nut (5) from manual control handle (6).

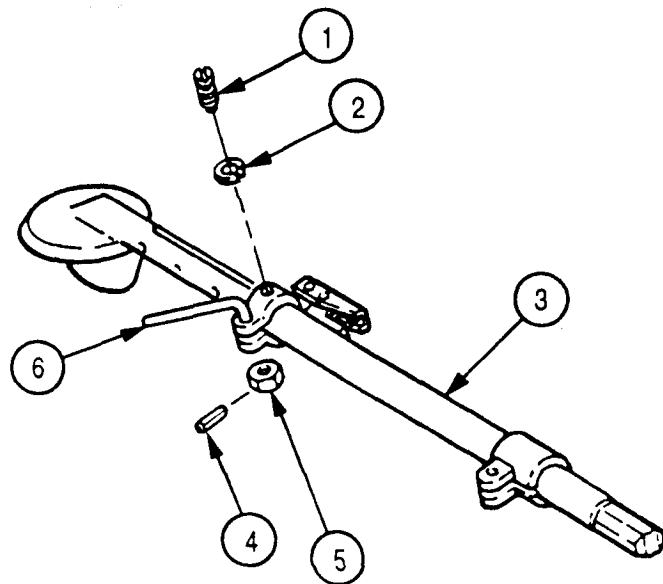
REPAIR

Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 Install hexagon plain nut (5) and spring pin (4) on manual control handle (6). Stake nut at both ends of pin.
- 2 Install new lockwasher (2). Install setscrew (1) on mount leg (3).

NOTE
TRIPOD MOUNT LEG REMOVED FOR CLARITY.



Section II. DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

7-3. M3 MACHINE GUN TRIPOD MOUNT—MAINTENANCE INSTRUCTIONS

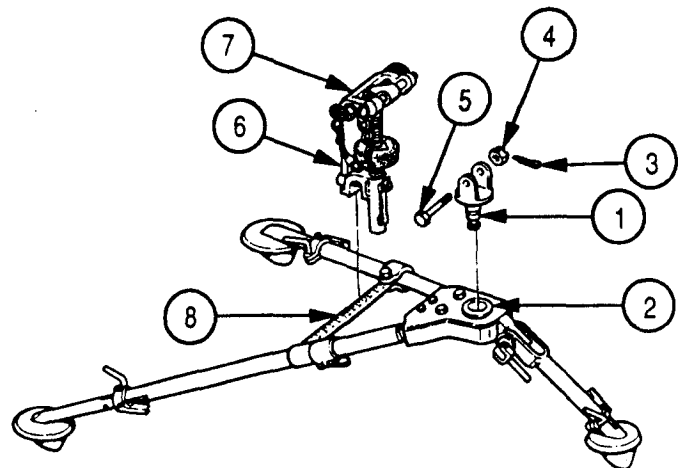
THIS TASK COVERS:		
a. Disassembly	b. Inspection/Repair	c. Reassembly
INITIAL SETUP		
<i>Tools and Special Tools</i> Small Arms Repairman Tool Kit (item 2, appx B) Small Arms Shop Set (item 1, appx B)		
<i>Materials/Parts</i> Cotter pin (MS24665-834)		

DISASSEMBLY

- 1 If damaged, remove mount pintle (1) from sleeve bearing (2).
- 2 Remove cotter pin (3), slotted plain nut (4), and machine bolt (5) from mount pintle (1). Discard cotter pin.
- 3 Turn remote control lever (6) counterclockwise and remove elevation mechanism (7) from traversing bar assembly (8).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 For further disassembly of M3 machine gun tripod mount, refer to paragraph 7-4.
- 3 Elevation mechanism is a repairable assembly. Refer to paragraph 7-8.
- 4 Repair is by replacement of authorized parts (appx C).



REASSEMBLY

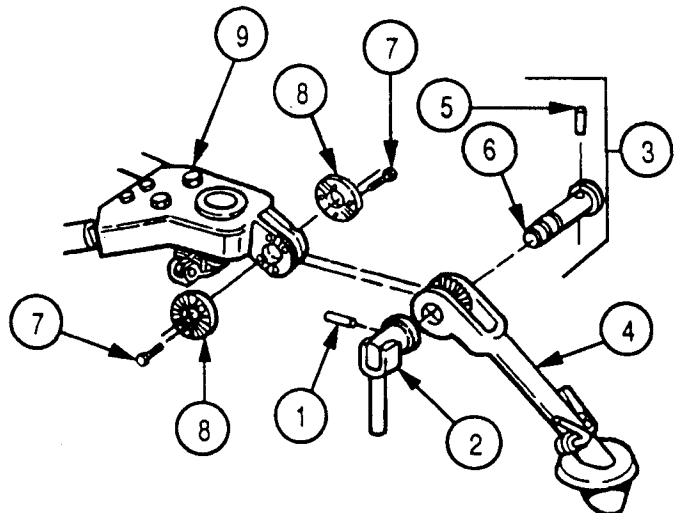
- 1 Place elevation mechanism (7) on traversing bar assembly (8) and secure by turning remote control lever (6) clockwise.
- 2 Install machine bolt (5), slotted plain nut (4), and new cotter pin (3) on mount pintle (1).
- 3 If removed, install mount pintle (1) on sleeve bearing (2).

7-4. M3 MACHINE GUN TRIPOD MOUNT, BEARING ASSEMBLY HEAD, AND MACHINE BOLT—MAINTENANCE INSTRUCTIONS

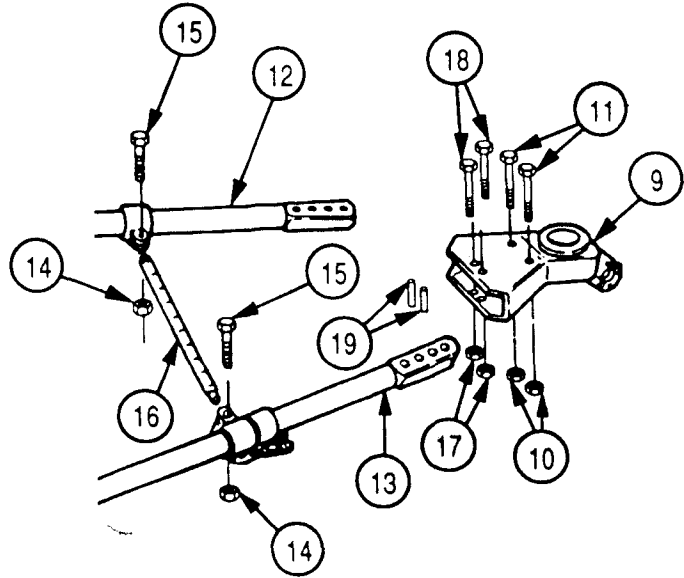
THIS TASK COVERS:		
a. Disassembly	b. Inspection/Repair	c. Reassembly
INITIAL SETUP		
<i>Tools and Special Tools</i>		
Small Arms Repairman Tool Kit (item 2, appx B)		
Small Arms Shop Set (item 1, appx B)		
<i>Materials/Parts</i>		
Lockwasher (2) (11010529)		
Spring pin (MS39086-95)		
<i>Equipment Conditions</i>		
7-3 M3 machine gun tripod mount partially disassembled		

DISASSEMBLY

- 1 Remove spring pin (1) and front leg clamping nut (2). Discard spring pin.
- 2 Remove machine bolt (3) and front tripod mount leg (4).
- 3 Remove headless straight pin (5) from screw (6).
- 4 Remove eight machine screws (7) and two retaining plates (8) from bearing assembly head (9).



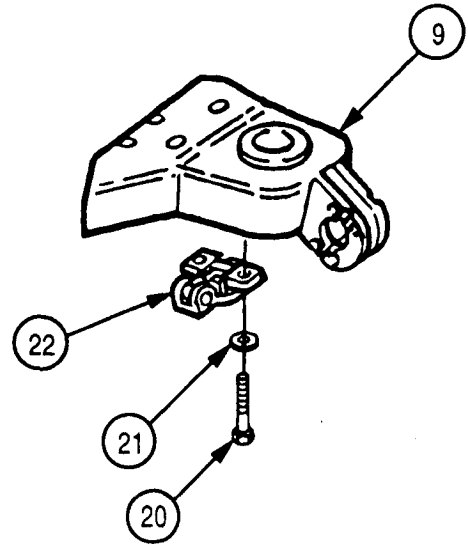
- 5 Remove two hexagon plain nuts (10), two machine bolts (11), left rear tripod mount leg (12), and right rear tripod mount leg (13).
- 6 Remove two hexagon plain nuts (14), two machine bolts (15), and traversing bar assembly (16) from left rear tripod mount leg (12) and right rear tripod mount leg (13).
- 7 Remove two hexagon plain nuts (17), two machine bolts (18), and two sleeve spacers (19) from bearing assembly head (9).



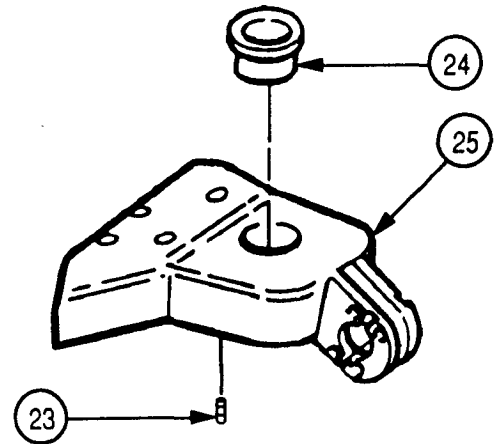
WARNING

Make sure the mount latch is locked before removing.

- 8 Remove two machine screws (20), two lockwashers (21), and pintle mount latch (22) from bearing assembly head (9). Discard lockwashers.



- 9 Remove setscrew (23) and sleeve bearing (24) from tripod head (25).



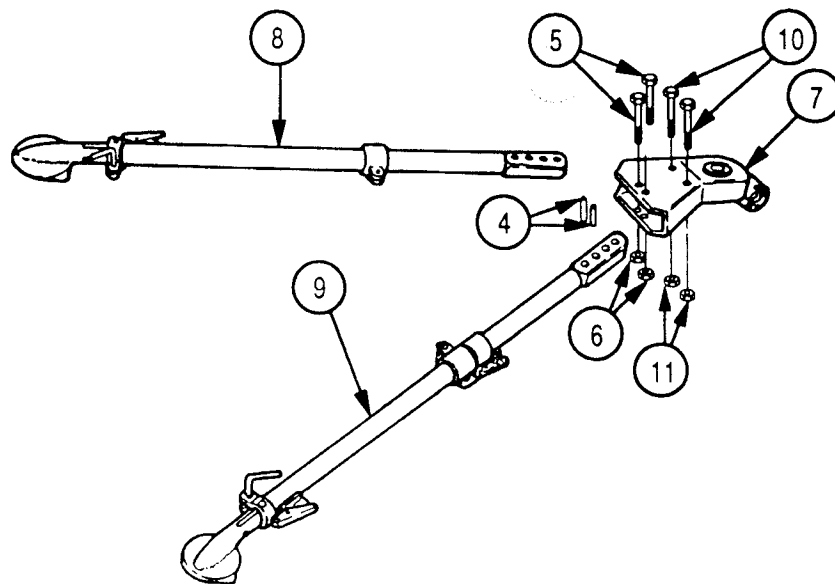
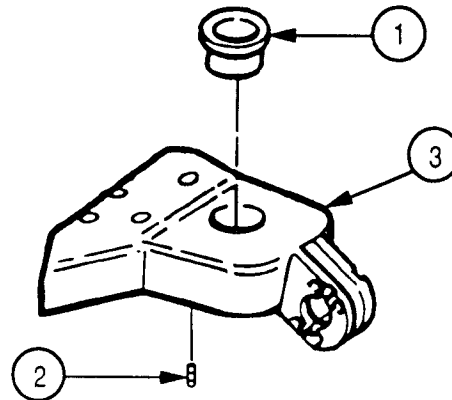
INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Left rear tripod mount leg is a repairable assembly. Refer to paragraph 7-5.
- 3 Front tripod mount leg is a repairable assembly. Refer to paragraph 7-6.
- 4 Right rear tripod mount leg is a repairable assembly. Refer to paragraph 7-7.
- 5 Pintle mount latch is a repairable assembly. Refer to paragraph 7-9.
- 6 If bearing assembly head is broken or damaged, repair is by replacement of next higher assembly.
- 7 If tripod head is broken or damaged, repair is by replacement of next higher assembly.
- 8 If screw (6108400) is broken or damaged, repair is by replacement of next higher assembly.
- 9 Repair is by replacement of authorized parts (appx C).

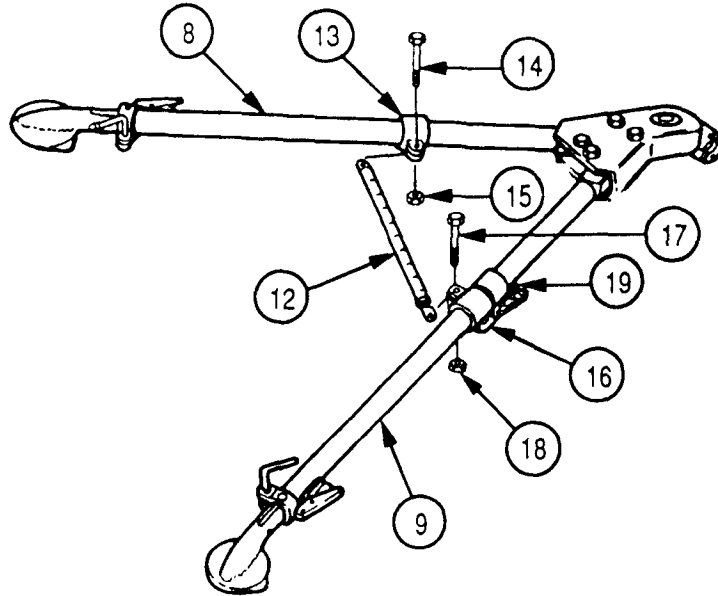
7-4. M3 MACHINE GUN TRIPOD MOUNT, BEARING ASSEMBLY HEAD, AND MACHINE BOLT—MAINTENANCE INSTRUCTIONS (cont)

REASSEMBLY

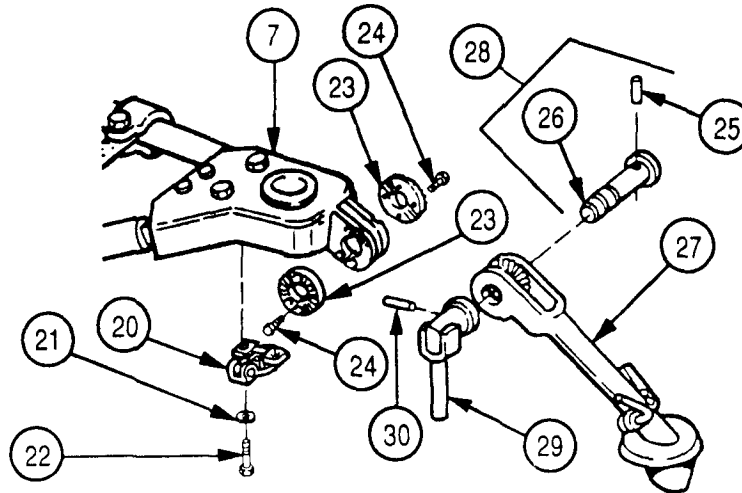
- 1 Install sleeve bearing (1) and setscrew (2) in tripod head (3).



- 2 Install two sleeve spacers (4), two machine bolts (5), and two hexagon plain nuts (6) in bearing assembly head (7). Stake each nut to machine bolt in three places.
- 3 Position left rear tripod mount leg (8) and right rear tripod mount leg (9) in bearing assembly head (7) and secure with two machine bolts (10) and two hexagon plain nuts (11). Legs should pivot freely in unlocked position. Stake each nut to machine bolt in three places.



- 4 Position nonadjustable end of traversing bar assembly (12) into collar (13) of left rear tripod mount leg (8) and secure with machine bolt (14) and hexagon plain nut (15). Stake nut to machine bolt in three places.
- 5 Position adjustable end of traversing bar assembly (12) into sliding sleeve (16) of right rear tripod mount leg (9) and loosely install machine bolt (17) and hexagon plain nut (18). Adjust traversing bar assembly so that gap between sliding sleeve (16) and locking sleeve (19) is between 0.50 and 0.75 in. (1.27 and 1.91 cm). Stake adjustable nut in one place. Tighten and stake nut (18) to machine bolt in three places.



- 6 Install pintle mount latch (20), two new lockwashers (21), and two machine screws (22) on bearing assembly head (7).
- 7 Install two retaining plates (23) on bearing assembly head (7) and secure with eight machine screws (24).
- 8 Install headless straight pin (25) into screw (26).
- 9 Position front tripod mount leg (27) on bearing assembly head (7). Install machine bolt (28) through front tripod mount leg (27) and bearing assembly head (7) and secure with front leg clamping nut (29) and new spring pin (30). Stake pin at both ends.

7-5. LEFT REAR TRIPOD MOUNT LEG—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

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

INITIAL SETUP

Tools and Special Tools

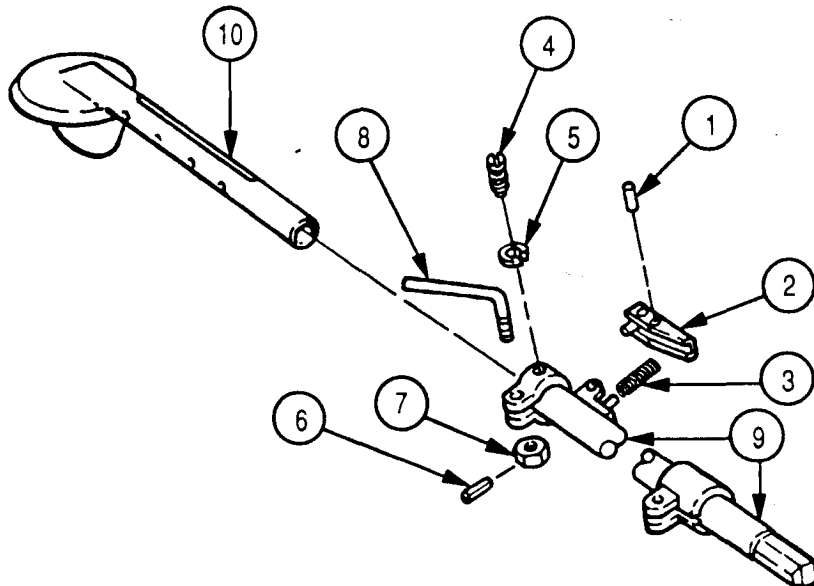
- Small Arms Repairman Tool Kit (item 2, appx B)
Small Arms Shop Set (item 1, appx B)

Materials/Parts

- Lockwasher (11010530)
Spring pin (MS39086-54)

Equipment Conditions

- 7-4 Left rear tripod mount leg removed



DISASSEMBLY

WARNING

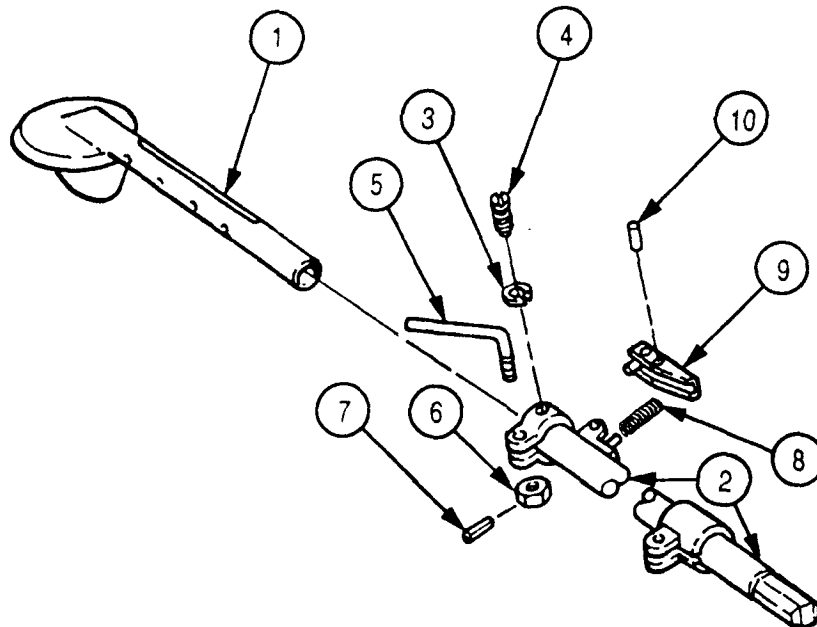
To avoid injury to your eyes, use care when removing and installing spring-loaded parts.

To avoid injury to your eyes, wear safety glasses when grinding parts.

- 1 If damaged, grind down one end of headless straight pin (1), and remove. Remove remote control lever (2) and helical compression spring (3). If removed, discard headless straight pin.
- 2 Remove setscrew (4) and lockwasher (5). Discard lockwasher.
- 3 Remove spring pin (6), hexagon plain nut (7), and manual control handle (8) from leg (9). Discard spring pin.
- 4 Remove tripod leg section (10) from leg (9).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 If leg is damaged, repair is by replacement of next higher assembly.
- 3 Repair is by replacement of authorized parts (appx C).



REASSEMBLY

- 1 Slide tripod leg section (1) into leg (2) and install new lockwasher (3) and setscrew (4).
- 2 Install manual control handle (5) in leg (2). Screw hexagon plain nut (6) on manual control handle and tighten, leaving a $0.005 + 0.015$ in. ($0.013 + 0.038$ cm) clearance between hexagon plain nut and leg. If new manual control handle is installed, drill a $0.062 + 0.003$ in. ($0.157 + 0.008$ cm) diameter hole for spring pin (7) in manual control handle, using hexagon plain nut as a guide. Install new spring pin. Stake nut at both ends of spring pin.
- 3 If removed, install helical compression spring (8), remote control lever (9), and new headless straight pin (10). Stake headless straight pin securely at both ends.

NOTE

Remote control lever should pivot freely after staking and return to original position by spring force after compression.

Tripod leg section should slide freely when clamping is released.

7-6. FRONT TRIPOD MOUNT LEG—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

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

INITIAL SETUP

Tools and Special Tools

- Small Arms Repairman Tool Kit (item 2, appx B)
- Small Arms Shop Set (item 1, appx B)

Materials/Parts

- Lockwasher (11010530)
- Spring pin (MS39086-54)

Equipment Conditions

- 7-4 Front tripod mount leg removed

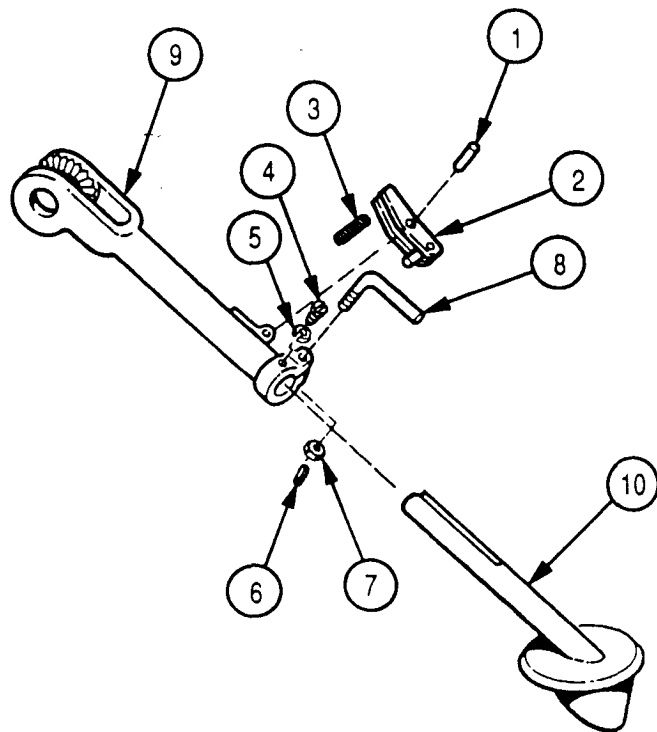
DISASSEMBLY

WARNING

To avoid injury to your eyes, use care when removing and installing spring-loaded parts.

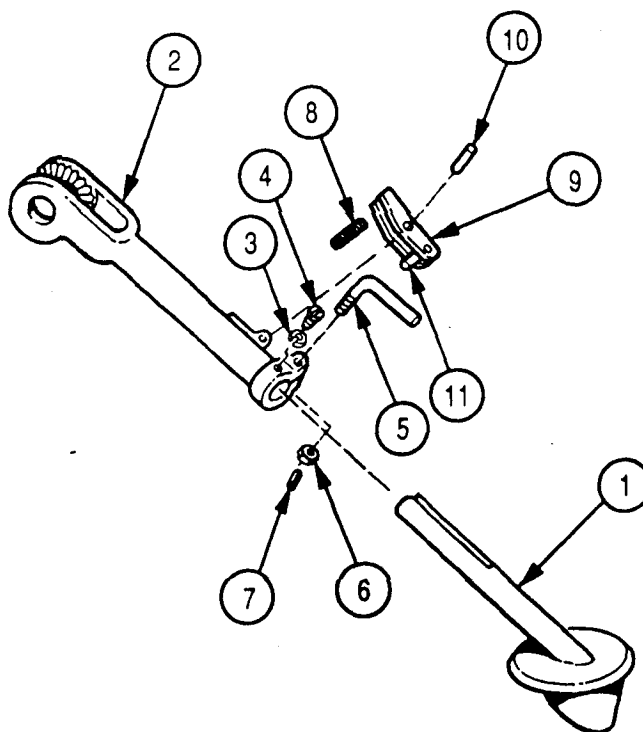
To avoid injury to your eyes, wear safety glasses when grinding parts.

- 1 If damaged, grind down one end of headless straight pin (1), and remove. Remove remote control lever (2) and helical compression spring (3). If removed, discard headless straight pin.
- 2 Remove setscrew (4) and lockwasher (5). Discard lockwasher.
- 3 Remove spring pin (6), hexagon plain nut (7), and manual control handle (8) from leg (9). Discard spring pin.
- 4 Remove leg (10) from leg (9).



INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 If either leg is damaged, repair is by replacement of next higher assembly.
- 3 Repair is by replacement of authorized parts (appx C).



REASSEMBLY

- 1 Install leg (1) into leg (2) and install new lockwasher (3) and setscrew (4).
- 2 Install manual control handle (5) in leg (2). Screw hexagon plain nut (6) on manual control handle and tighten, leaving a $0.005 + 0.015$ in. ($0.013 + 0.038$ cm) clearance between hexagon plain nut and leg. If new manual control handle is installed, drill a $0.062 + 0.003$ in. ($0.157 + 0.008$ cm) diameter hole for spring pin (7) in manual control handle, using hexagon plain nut as a guide. Install new spring pin. Stake nut at both ends of spring pin.
- 3 If removed, install helical compression spring (8), remote control lever (9), and new headless straight pin (10). Stake headless straight pin securely at both ends.

NOTE

Remote control lever should pivot freely after staking and return to original position by spring force after compression.

Leg (1) should slide freely when clamping is released and pin (11) is retracted.

7-7. RIGHT REAR TRIPOD MOUNT LEG—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

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

INITIAL SETUP

Tools and Special Tools

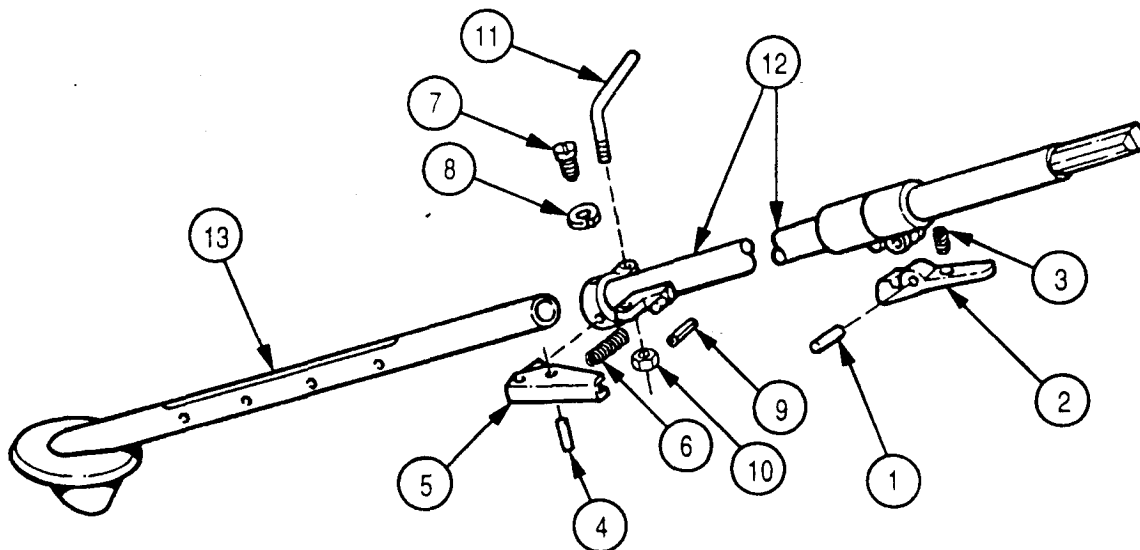
- Small Arms Repairman Tool Kit (item 2, appx B)
- Small Arms Shop Set (item 1, appx B)

Materials/Parts

- Lockwasher (11010530)
- Spring pin (MS39086-54)

Equipment Conditions

- 7-4 Right rear tripod mount leg removed



DISASSEMBLY

WARNING

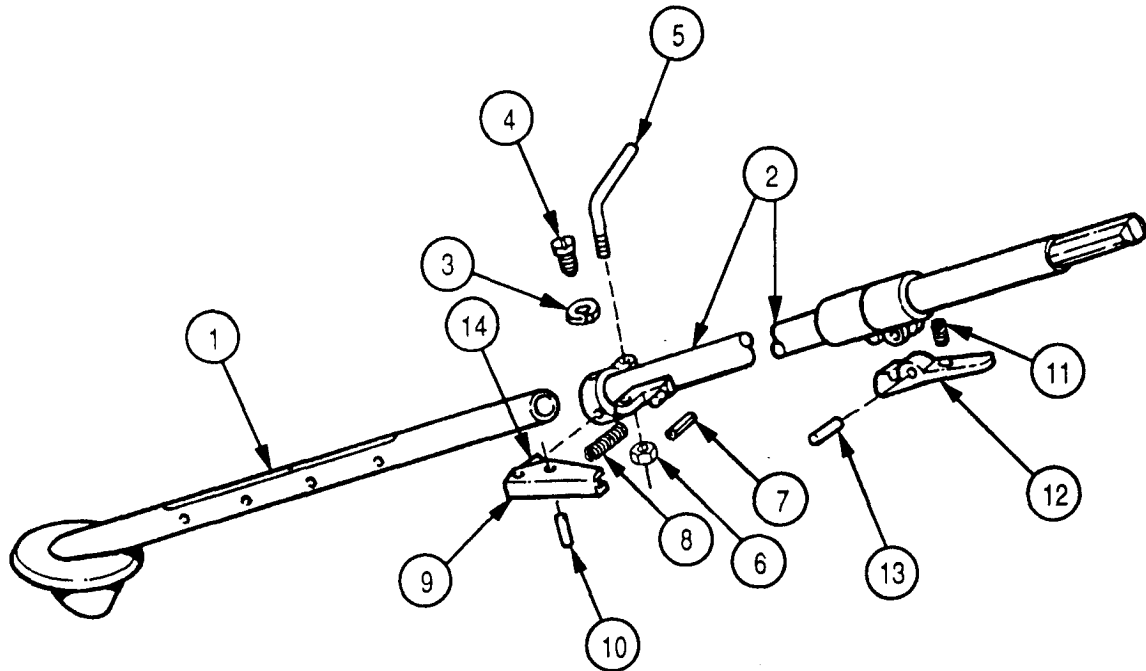
To avoid injury to your eyes, use care when removing and installing spring-loaded parts.

To avoid injury to your eyes, wear safety glasses when grinding parts.

- 1 If damaged, grind down one end of headless straight pin (1) and remove. Remove lock-release lever (2) and helical spring (3). If removed, discard headless straight pin.
- 2 If damaged, grind down one end of headless straight pin (4) and remove. Remove manual remote control lever (5) and helical spring (6). If removed, discard headless straight pin.
- 3 Remove setscrew (7) and lockwasher (8). Discard lockwasher.
- 4 Remove spring pin (9), hexagon plain nut (10), and manual control handle (11) from leg (12). Discard spring pin.
- 5 Remove tripod leg section (13) from leg (12).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 If leg is damaged, repair is by replacement of next higher assembly.
- 3 Repair is by replacement of authorized parts (appx C).



REASSEMBLY

- 1 Slide tripod leg section (1) into leg (2) and install new lockwasher (3) and setscrew (4).
- 2 Install manual control handle (5) into leg (2). Screw hexagon plain nut (6) on manual control handle and tighten, leaving a $0.005 + 0.015$ in. ($0.013 + 0.038$ cm) clearance between plain hexagon nut and leg. If new manual control handle is installed, drill a $0.062 + 0.003$ in. ($0.157 + 0.008$ cm) diameter hole for spring pin (7) in manual control handle, using hexagon plain nut as a guide. Install new spring pin. Stake nut at both ends of spring pin.
- 3 If removed, install helical spring (8), manual remote control lever (9), and new headless straight pin (10). Stake headless straight pin securely at both ends.
- 4 If removed, install helical spring (11), lock-release lever (12), and new headless straight pin (13). Stake headless straight pin securely at both ends.

NOTE

Manual remote control lever and lock-release lever should pivot freely after staking and should return to original position by spring force after compression.

Tripod leg section (1) should slide freely when clamping is released and pin (14) is retracted.

7-8. ELEVATION MECHANISM (TRAVERSING AND CLAMPING UNIT) AND ELEVATION MECHANISM (ELEVATING UNIT)—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

a. Disassembly

b. Inspection/Repair

c. Reassembly

INITIAL SETUP

Tools and Special Tools

- Small Arms Repairman Tool Kit (item 2, appx B)
- Small Arms Shop Set (item 1, appx B)
- Spanner Wrench (item 3, appx B)

Materials/Parts

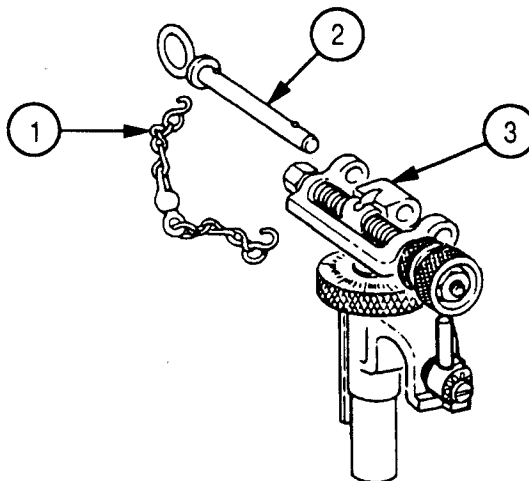
- Lockwasher (11010413)
- Self-locking nut (MS51943-2)
- Self-locking nut (MS51943-4)
- Self-locking screw (5140383)
- Spring pin (MS16562-120)

Equipment Conditions

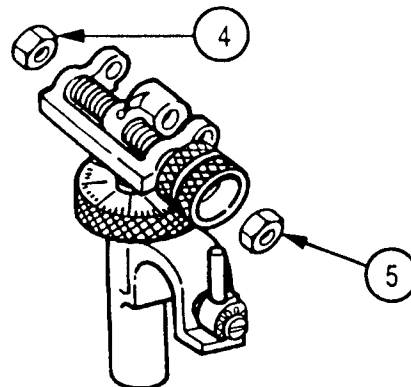
- 7-3 Elevation mechanism removed

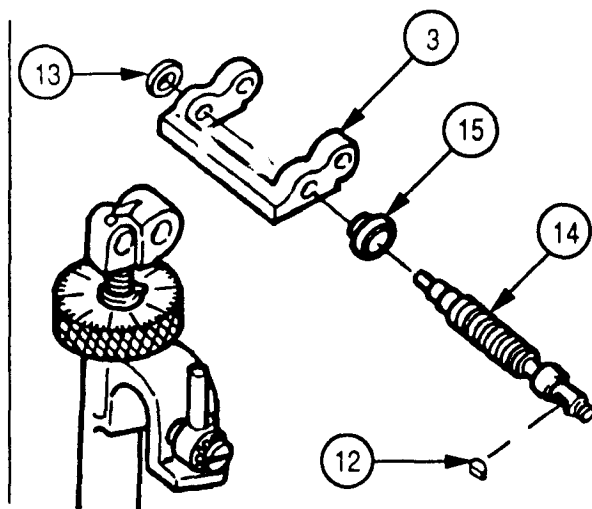
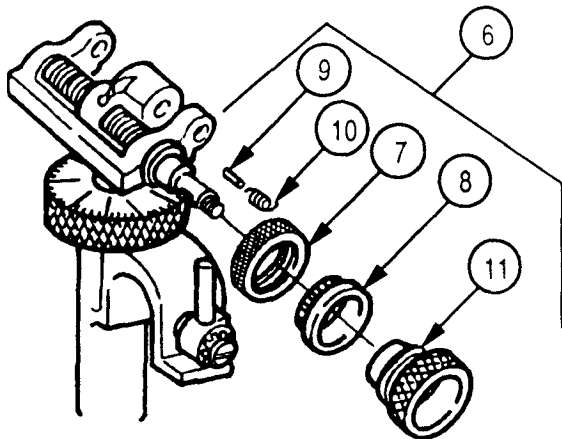
DISASSEMBLY

- 1 Pry open links on ends of single chain assembly (1) and remove single chain assembly. Remove quick release pin (2) from yoke (3).



- 2 Remove two self-locking nuts (4 and 5). Discard two self-locking nuts.



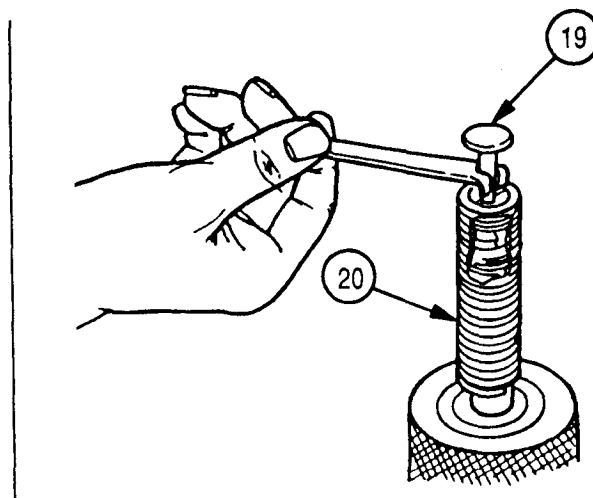
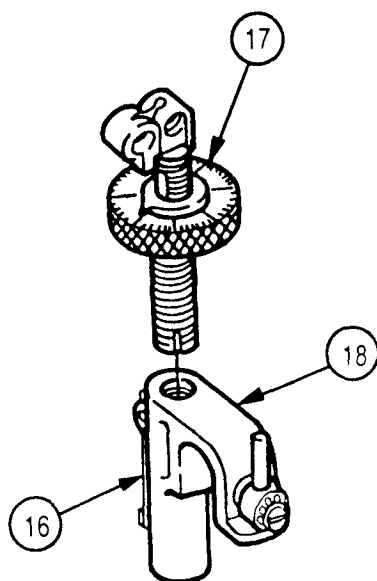


- 3 Remove traversing handwheel (6) as a unit.

WARNING

To avoid injury to your eyes, use care when removing and installing spring-loaded parts.

- 4 Separate union nut (7), scale dial (8), headless straight pin (9), helical compression spring (10), and knob (11).
- 5 Remove woodruff key (12) and flat washer (13) from traversing screw (14). Push traversing click ring (15) from yoke (3) and remove traversing screw (14) from yoke.

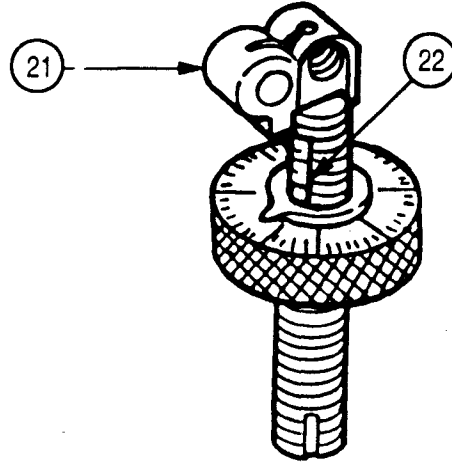


- 6 Pull out slightly on flat spring (16) and remove elevating screw assembly (17) from elevating mechanism sleeve (18).
- 7 Using spanner wrench (item 3, appx B), remove automatic gun stop (19) from end of lower elevation screw (20).

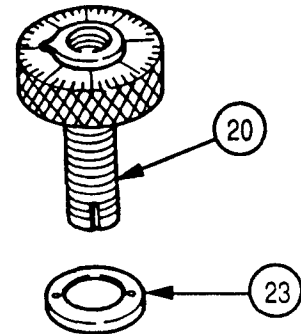
7-8. ELEVATION MECHANISM (TRAVERSING AND CLAMPING UNIT) AND ELEVATION MECHANISM (ELEVATING UNIT)—MAINTENANCE INSTRUCTIONS (cont)

DISASSEMBLY (cont)

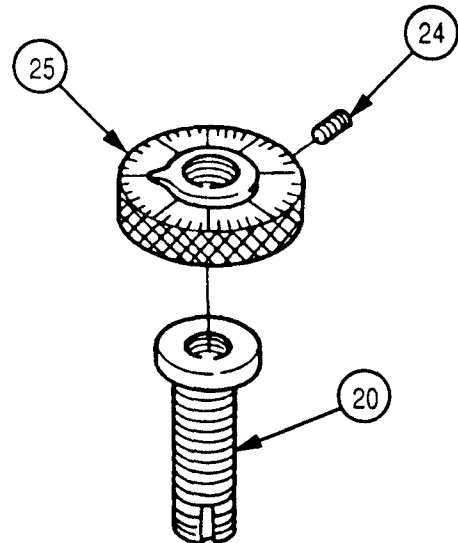
- 8 Remove upper elevation screw (21) with designation plate (22) attached.
- 9 If damaged, remove designation plate (22).



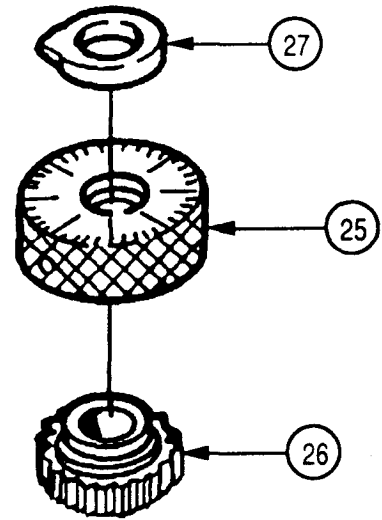
- 10 Remove externally threaded ring (23) from lower elevation screw (20).



- 11 Remove setscrew (24) and lower elevation screw (20) from knob (25).



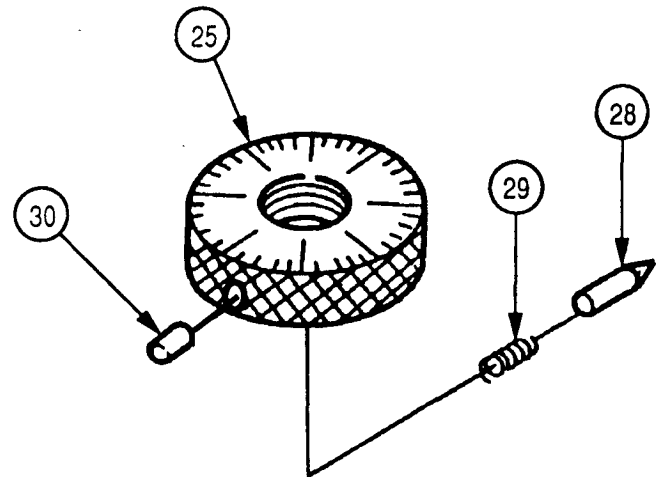
- 12 Smooth stake marks on elevating click ring (26) and remove. Remove dial pointer (27) from knob (25).



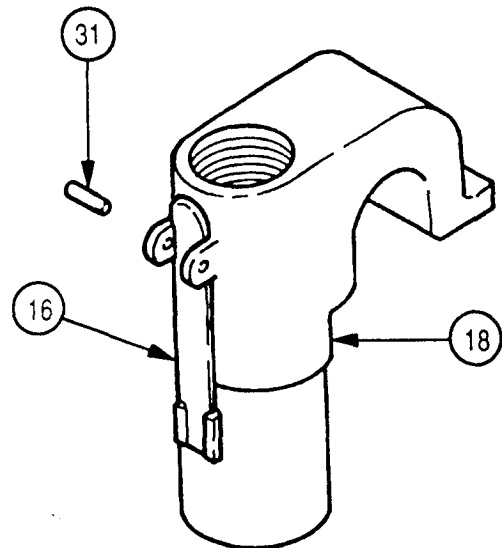
WARNING

To avoid injury to your eyes, use care when removing and installing spring-loaded parts.

- 13 Remove headless straight pin (28) and compression helical spring (29) through the center hole of knob (25).
- 14 If damaged, drill out plain solid disk (30).



- 15 Drive out and discard spring pin (31).
- 16 Smooth staked metal on flat spring (16) and remove from elevating mechanism sleeve (18).



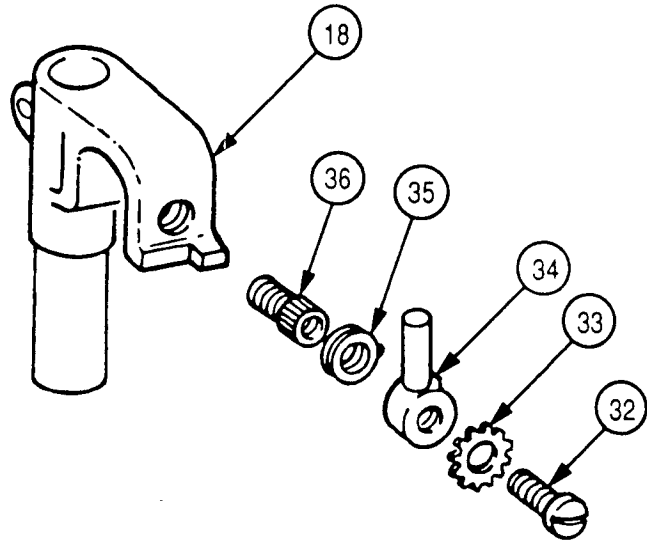
7-8. ELEVATION MECHANISM (TRAVERSING AND CLAMPING UNIT) AND ELEVATION MECHANISM (ELEVATING UNIT)—MAINTENANCE INSTRUCTIONS (cont)

DISASSEMBLY (cont)

WARNING

To avoid injury to your eyes, use care when removing and installing spring-loaded parts.

- 17 Remove machine screw (32) and lockwasher (33) from remote control lever (34). Discard lockwasher. Remove remote control lever, helical torsion spring (35), and self-locking screw (36) from elevating mechanism sleeve (18). Discard self-locking screw.



INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 If yoke is broken or damaged, repair is by replacement of next higher assembly.
- 3 Repair is by replacement of authorized parts (appx C).

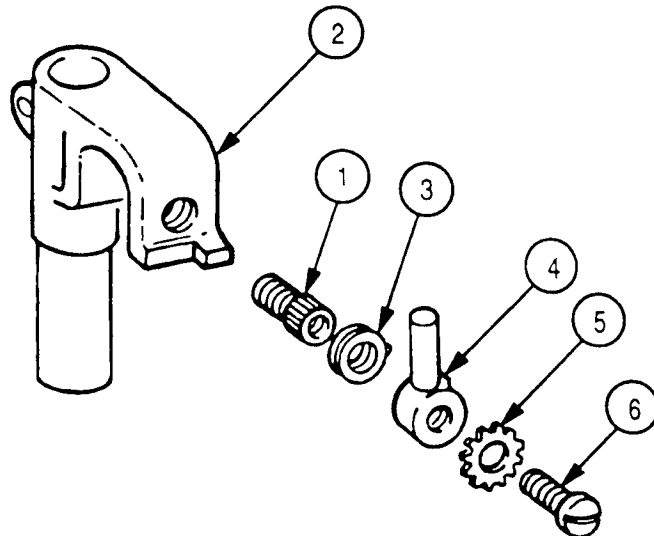
REASSEMBLY

- 1 Install new self-locking screw (1) on elevating mechanism sleeve (2).

NOTE

Self-locking screw will need to be adjusted when remote control lever is installed. Remote control lever must be aligned with traversing bar assembly.

- 2 Install helical torsion spring (3) and remote control lever (4) on self-locking screw (1) and secure with new lockwasher (5) and machine screw (6).

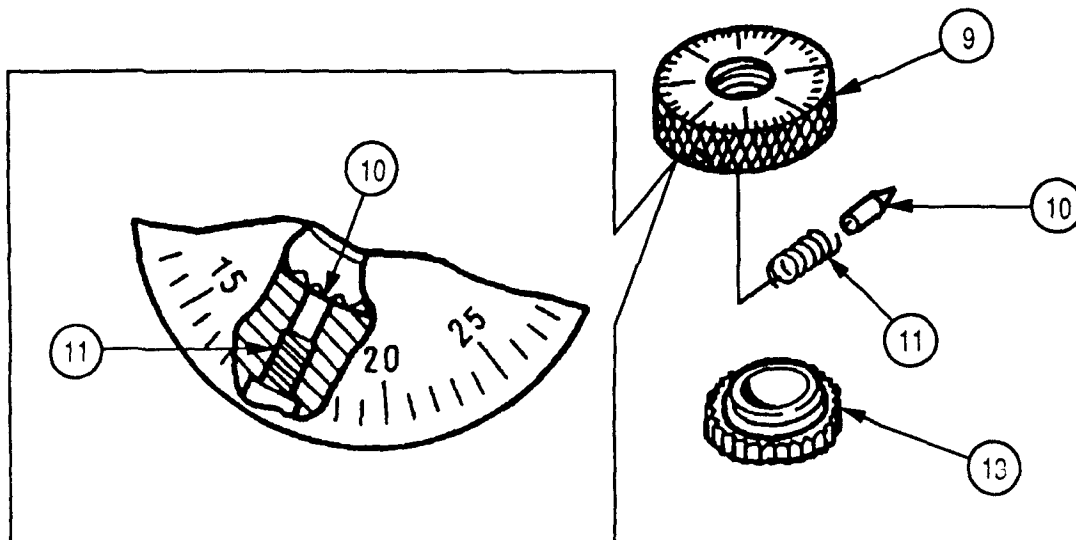
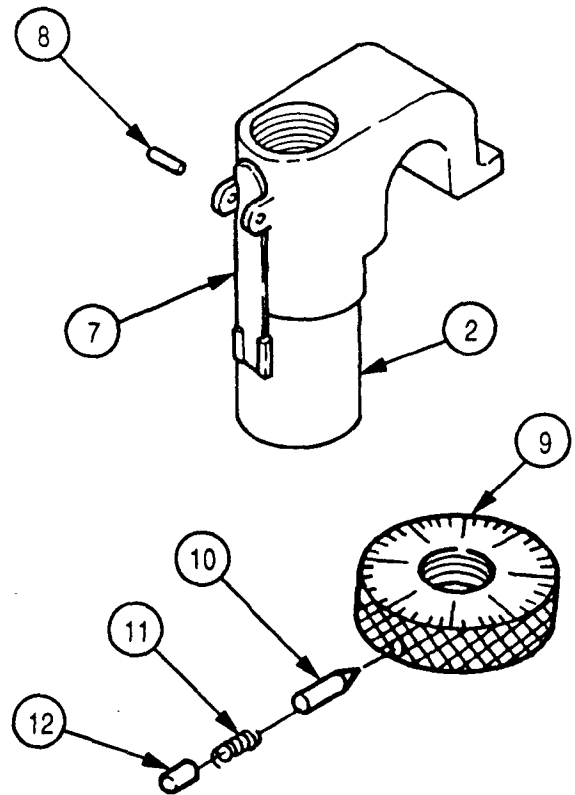


- 3 Install flat spring (7) and stake in four places near the bottom. Install new spring pin (8) and stake material of elevating mechanism sleeve (2) over spring pin on both ends.

NOTE

If plain solid disk was removed, perform steps 4 and 5. If plain solid disk was not removed, go to step 6.

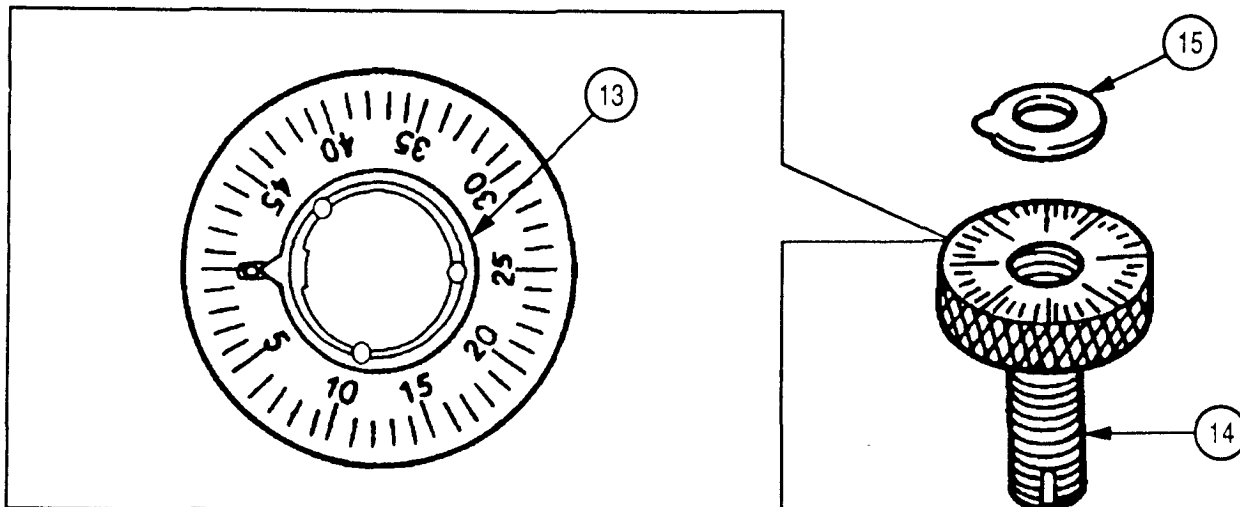
- 4 Drill out any portion of plain solid disk remaining in hole of knob (9) using a 0.125 (1/8) in. twist drill.
- 5 Install headless straight pin (10), helical compression spring (11), and plain solid disk (12) in side of knob (9). Disk is to be flush to 0.010 in. (0.025 cm) below outer diameter of knob (9). Stake rim of hole in three places.



- 6 Install helical compression spring (11) and headless straight pin (10) through center hole of knob (9).
- 7 Apply pressure to end of headless straight pin (10) and hold it while inserting elevating click ring (13). Make sure key of elevating click ring is aligned with 0 graduation mark on knob (9).

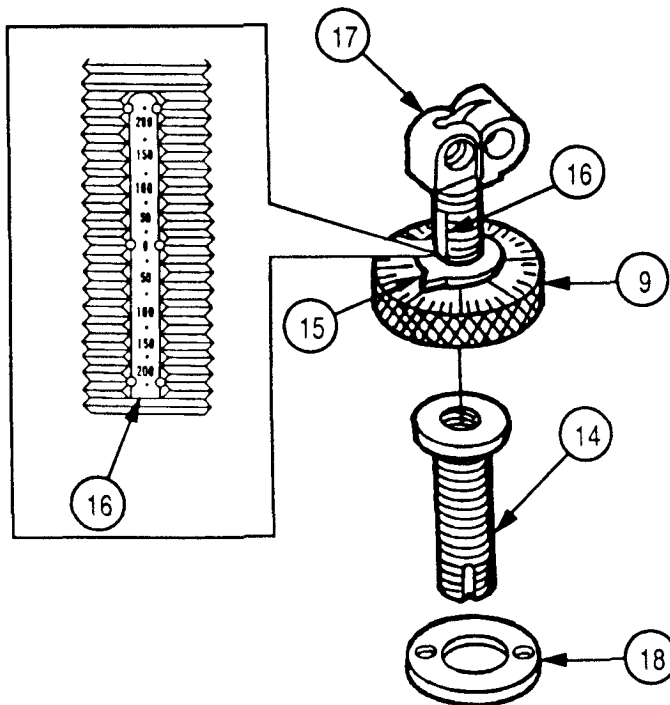
7-8. ELEVATION MECHANISM (TRAVERSING AND CLAMPING UNIT) AND ELEVATION MECHANISM (ELEVATING UNIT)—MAINTENANCE INSTRUCTIONS (cont)

REASSEMBLY (cont)



- 8 Position lower elevation screw (14) under elevating click ring (13) and rest it on a flat surface. Install dial pointer (15) on elevating click ring. Make sure dial pointer aligns within 0.030 in. (0.076 cm) of 0 graduation. Stake in three places 120 ± 5 degrees apart.

- 9 If removed, install designation plate (16). Position as far as possible toward upper end of groove. Stake on both sides at top, middle, and bottom of designation plate (six locations total) in the base of thread area to prevent thread damage.

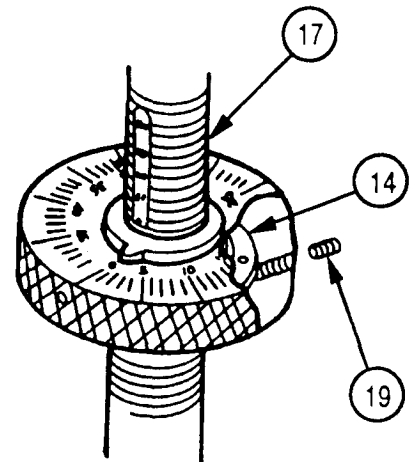


- 10 Slide knob (9) on upper elevation screw (17) until top of dial pointer (15) is aligned with 0 graduation on designation plate (16). Screw lower elevation screw (14) on upper elevation screw (17) until fully seated in knob (9). Recheck graduation alignment to make sure it is correct.
- 11 Install externally threaded ring (18) on knob (9). Tighten externally threaded ring until flush with bottom of knob and stake in two places.

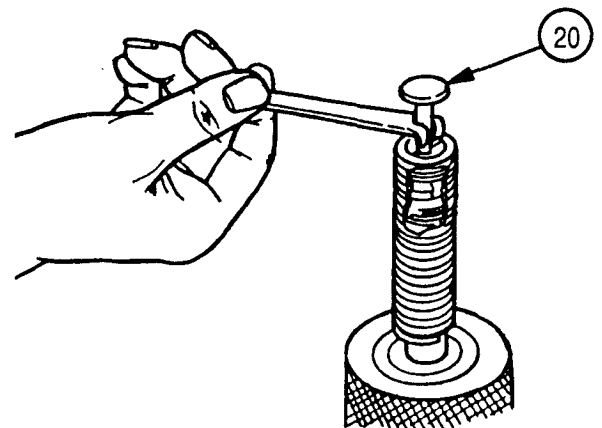
NOTE

If threaded hole in knob does not align with original hole in flange of lower elevation screw, perform step 12. If holes are aligned, go to step 13.

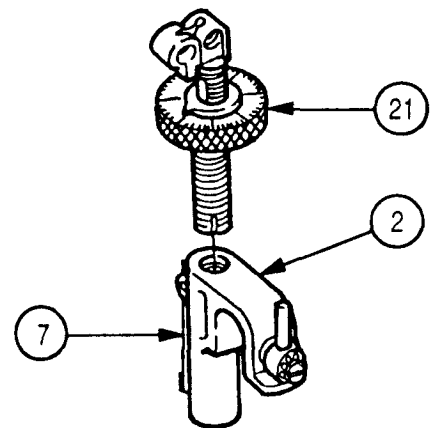
- 12 Drill flange hole in lower elevation screw (14) to a depth of 0.30 in. (0.76 cm) using a 0.078 (5/64) in. twist drill.
- 13 Recheck to make sure graduation alignment has been maintained. Install and tighten setscrew (19).
- 14 Screw upper elevation screw (17) in lower elevation screw (14).



- 15 Using spanner wrench (item 3, appx B), install automatic gun stop (20) until flush and stake in two places 180 degrees apart.



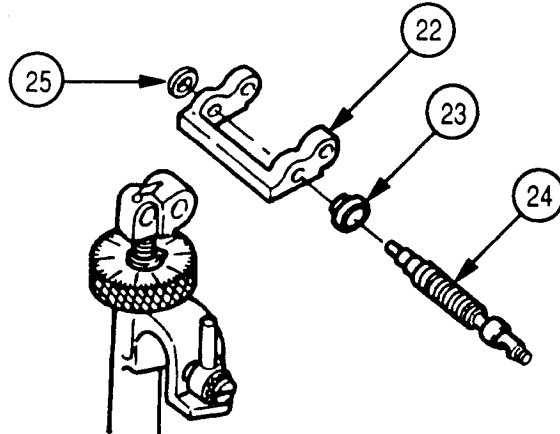
- 16 Pull back slightly on flat spring (7) and screw elevating screw (21) in elevating mechanism sleeve (2).



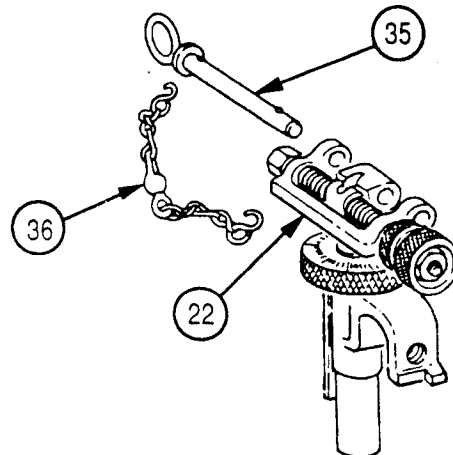
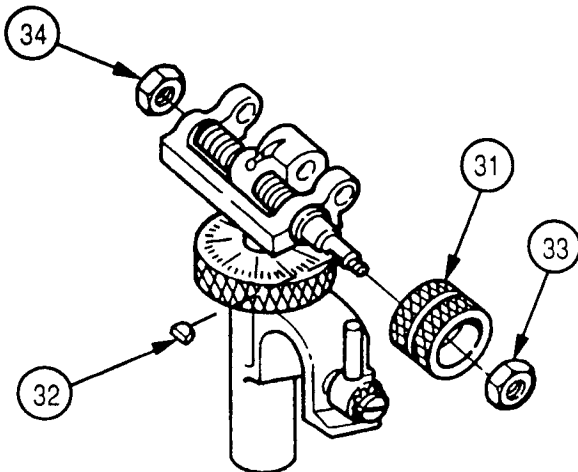
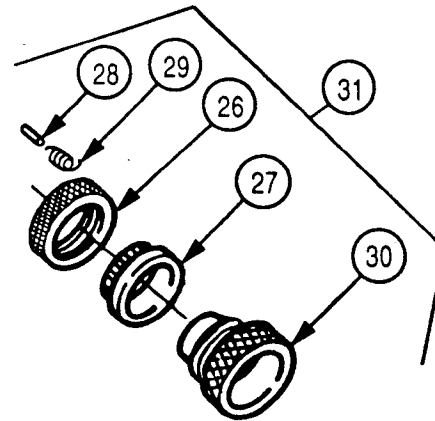
7-8. ELEVATION MECHANISM (TRAVERSING AND CLAMPING UNIT) AND ELEVATION MECHANISM (ELEVATING UNIT)—MAINTENANCE INSTRUCTIONS (cont)

REASSEMBLY (cont)

- 17 Install yoke (22), traversing click ring (23), traversing screw (24), and flat washer (25).



- 18 Assemble union nut (26), scale dial (27), headless straight pin (28), helical compression spring (29), and knob (30) to make traversing handwheel (31).



- 19 Install woodruff key (32) and traversing handwheel (31), and secure with two new self-locking nuts (33 and 34). Traversing handwheel should move freely with no more than 1/16 of a turn backlash.
- 20 Install quick release pin (35) in yoke (22). Crimp links on ends of single chain assembly (36) to yoke (22) and quick release pin (35).

7-9. PINTLE MOUNT LATCH—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

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

INITIAL SETUP

Tools and Special Tools

- Small Arms Repairman Tool Kit (item 2, appx B)
- Small Arms Shop Set (item 1, appx B)

Materials/Parts

- Solid rivet (11010448)

Equipment Conditions

- 7-4 Pintle mount latch removed

DISASSEMBLY

WARNING

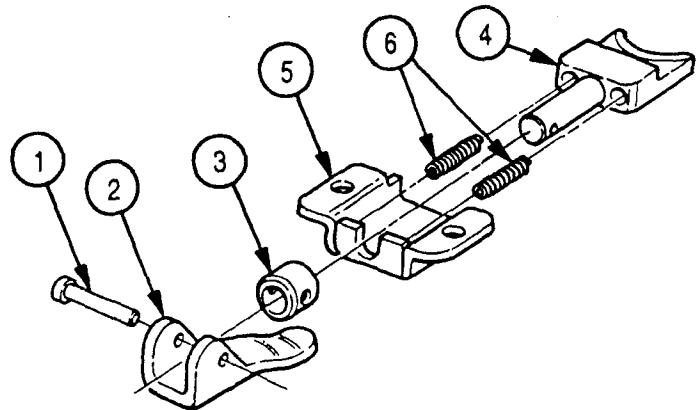
To avoid injury to your eyes, wear safety glasses when grinding parts.

- 1 Grind head off solid rivet (1). Remove solid rivet and pintle lock release cam (2). Discard solid rivet.
- 2 Remove shaft collar (3) from lock (4).

WARNING

To avoid injury to your eyes, use care when removing and installing spring-loaded parts.

- 3 Remove housing (5) and two helical compression springs (6) from lock (4).



INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 If shaft collar, lock, or housing are broken or damaged, repair is by replacement of next higher assembly.
- 3 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 Install two helical compression springs (6) in lock (4). Install lock in housing (5) so that post sticks out through U-shaped opening of housing.
- 2 Install shaft collar (3) on lock (4).
- 3 Position pintle lock release cam (2) over lock (4) and secure with new solid rivet (1). Pintle lock release cam should pivot freely after riveting. Peen over end of rivet.

CHAPTER 8

M66 MACHINE GUN MOUNT RING

Section I. UNIT MAINTENANCE INSTRUCTIONS

8-1. M66 MACHINE GUN MOUNT RING—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

a. Disassembly

b. Inspection/Repair

c. Reassembly

INITIAL SETUP

Tools and Special Tools

Small Arms Repairman Tool Kit (item 2, appx B)

Materials/Parts

Cotter pin (2) (MS24665-132)

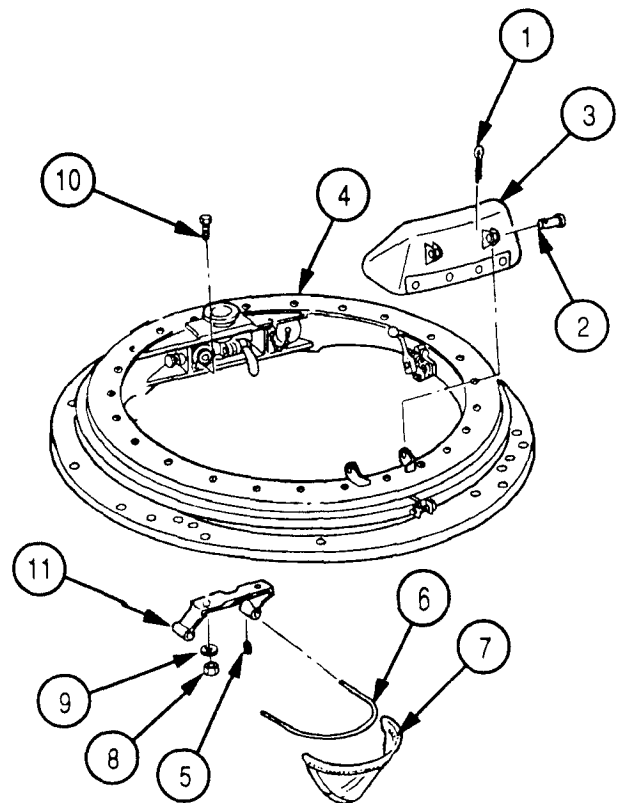
Self-locking nut (2) (MS51922-29)

Equipment Conditions

14-1 M66 machine gun mount ring removed

DISASSEMBLY

- 1 Remove two cotter pins (1), two headed straight pins (2), and cushioning pad (3) from ring assembly (4). Discard cotter pins.
- 2 Remove two setscrews (5), flexible wire (6), and cartridge deflector (7).
- 3 Remove two self-locking nuts (8), two flat washers (9), two hexagon capscrews (10), and deflector support (11) from ring assembly (4). Discard self-locking nuts.

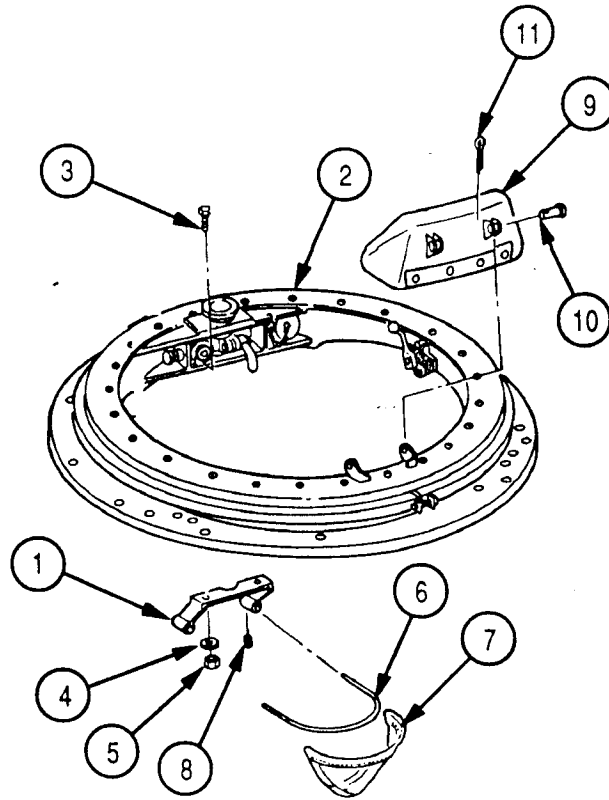


8-1. M66 MACHINE GUN MOUNT RING—MAINTENANCE INSTRUCTIONS (cont)

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Ring assembly is a repairable assembly. Notify direct support maintenance.
- 3 Repair is by replacement of authorized parts (appx C).

REASSEMBLY



- 1 Position deflector support (1) on ring assembly (2) and secure with two hexagon cap screws (3), two flat washers (4), and two new self-locking nuts (5).
- 2 Install flexible wire (6), cartridge deflector (7), and two setscrews (8).
- 3 Position cushioning pad (9) on ring assembly (2), and secure with two headed straight pins (10) and two new cotter pins (11).

8-2. RING ASSEMBLY AND RING—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:		
a. Disassembly	b. Inspection/Repair	c. Reassembly
INITIAL SETUP		
<i>Tools and Special Tools</i>		
Small Arms Repairman Tool Kit (item 2, appx B)		
<i>Equipment Conditions</i>		
8-1 M66 machine gun mount ring disassembled		

DISASSEMBLY

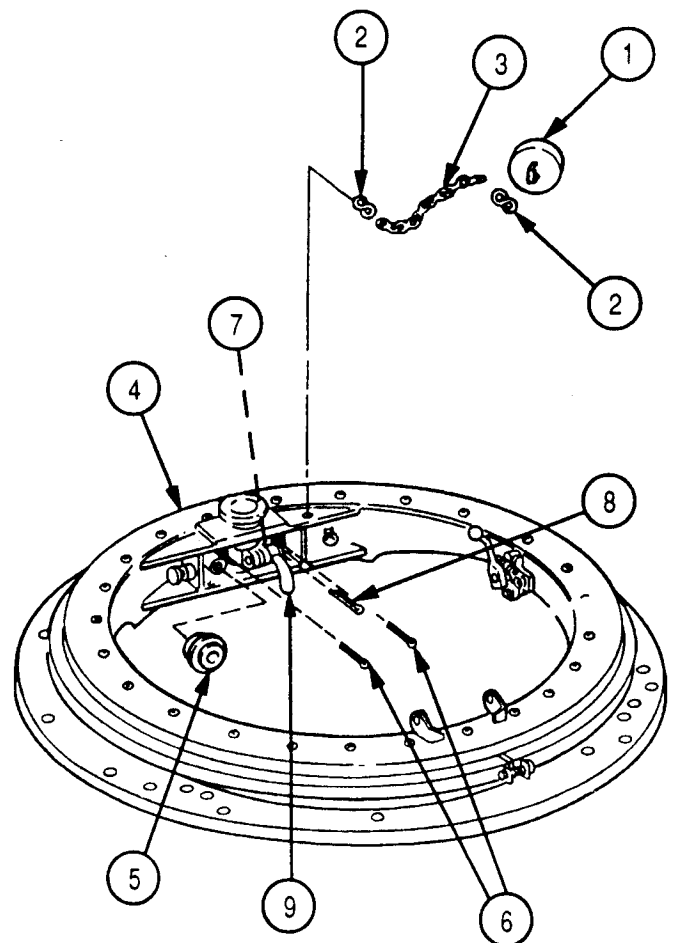
- 1 Remove pintle lock cap (1), two S chain hooks (2), and weldless chain (3) from upper revolving ring (4).
- 2 Remove sleeve bushing (5) from upper revolving ring (4).
- 3 If damaged, remove two cotter pins (6) from pintle lock handle (7) and cotter pin (8) from headless shoulder pin (9).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 If removed, install cotter pin (8) in headless shoulder pin (9) and two cotter pins (6) in pintle lock handle (7).
- 2 Install sleeve bushing (5) in upper revolving ring (4).
- 3 Install weldless chain (3), two S chain hooks (2), and pintle lock cap (1) on upper revolving ring (4).



8-3. RING BRAKE—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

a. Disassembly

b. Inspection/Repair

c. Reassembly

INITIAL SETUP

Tools and Special Tools

Small Arms Repairman Tool Kit (item 2, appx B)

DISASSEMBLY

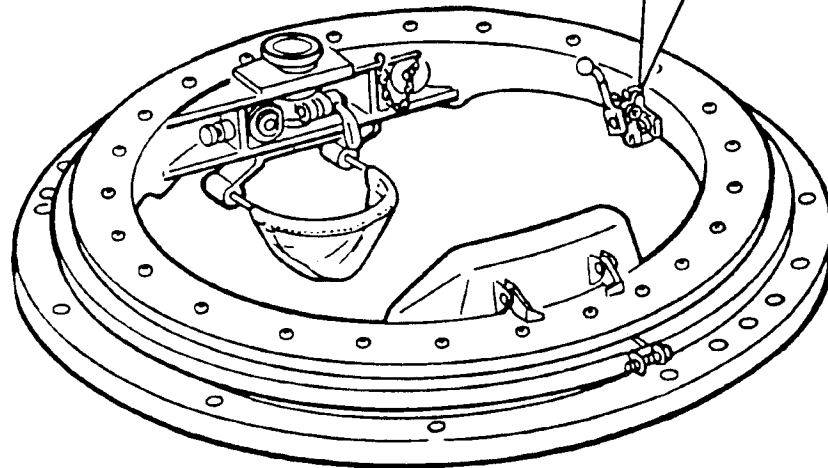
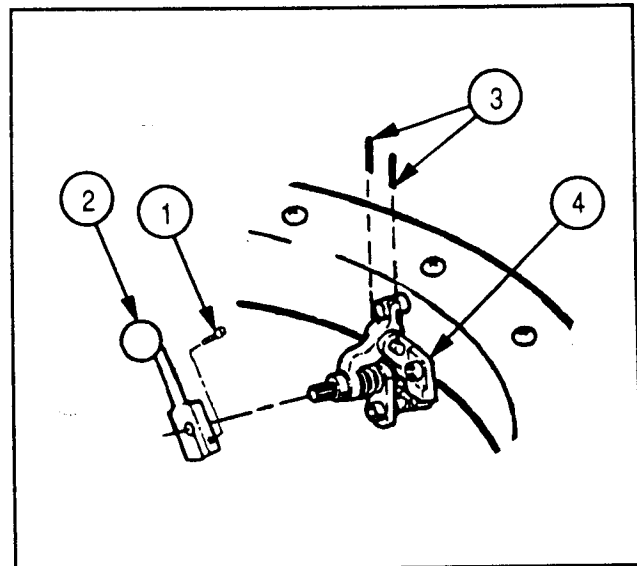
- 1 Remove socket head capscrew (1) and manual control lever (2).
- 2 If damaged, remove two cotter pins (3) from headless straight pin (4).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 If removed, install two cotter pins (3) in headless straight pin (4).
- 2 Install manual control lever (2) and secure with socket head capscrew (1).



Section II. DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

8-4. RING ASSEMBLY, RING ASSEMBLY, AND RING—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:		
a. Disassembly	b. Inspection/Repair	c. Reassembly
INITIAL SETUP		
<i>Tools and Special Tools</i>		
Small Arms Repairman Tool Kit (item 2, appx B)		
Small Arms Shop Set (item 1, appx B)		
<i>Materials/Parts</i>		
Cotter pin (2) (MS24665-283)		
Cotter pin (MS24665-285)		
Grease (item 4, appx E)		
Lockwasher (22) (MS35333-38)		
Lockwasher (24) (MS35333-39)		
Lockwasher (MS35338-43)		
Mechanical felt (7012805-1)		
Mechanical felt (7012805-2)		
Mechanical felt (7012806)		
Self-locking nut (22) (MS51922-9)		
Self-locking nut (2) (MS51922-17)		
Supports		
<i>Personnel Required</i>		
2		
<i>Equipment Conditions</i>		
8-1	M66 machine gun mount ring disassembled	

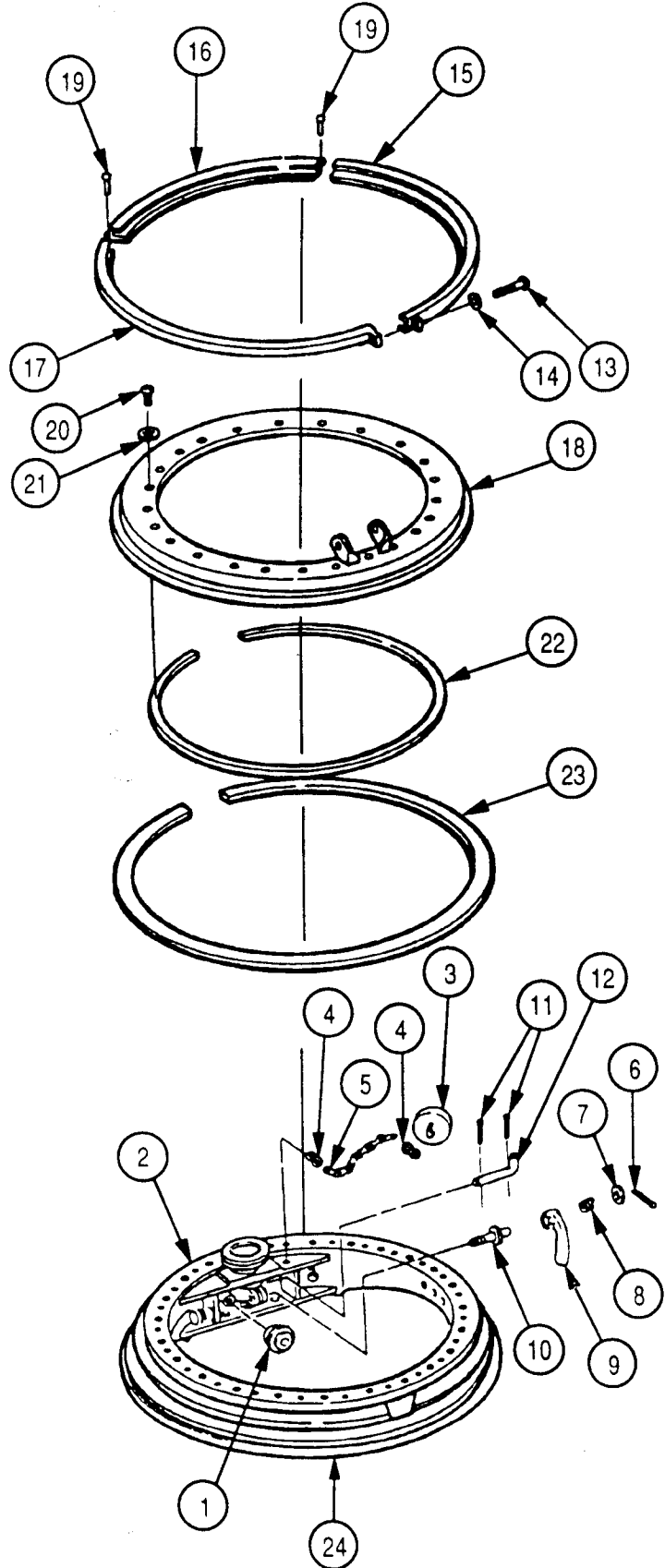
8-4. RING ASSEMBLY, RING ASSEMBLY, AND RING MAINTENANCE INSTRUCTIONS (cont)

DISASSEMBLY

CAUTION

Ring assembly must be supported over a clean, dry area.

- 1 Remove sleeve bushing (1) from upper revolving ring (2).
- 2 Remove pintle lock cap (3), two S chain hooks (4), and weldless chain (5).
- 3 Remove cotter pin (6), ring spacer (7), helical compression spring (8), manual control handle (9), and headless shoulder pin (10) from upper revolving ring (2). Discard cotter pin.
- 4 Remove two cotter pins (11) from pintle lock handle (12) and remove pintle lock handle from upper revolving ring (2). Discard cotter pins.
- 5 Remove machine screw (13) and lockwasher (14) from three seal ring segments (15, 16, and 17), and remove three seal ring segments from outer seal ring (18). Discard lockwasher.
- 6 If damaged, remove two headed straight pins (19) and separate seal ring segment (15), seal ring segment (16), and seal ring segment (17).
- 7 Remove 24 machine screws (20), 24 lockwashers (21), and outer seal ring (18) from upper revolving ring (2). Discard lockwashers.
- 8 Remove mechanical felt (22) from outer seal ring (18). Discard mechanical felt.
- 9 Remove mechanical felt (23) from outer seal ring (24). Discard mechanical felt.



- 10 Remove 22 machine screws (25), 22 lock-washers (26), and seal retainer ring (27) from lower revolving ring (28). Discard lockwashers.
- 11 Remove mechanical felt (29) from outer seal ring (24). Discard mechanical felt.
- 12 Remove two self-locking nuts (30), two flat washers (31), two socket head capscrews (32), and ring brake (33) from upper revolving ring (2).
- 13 Remove two socket head capscrews (34) and brake lining clamp (35) from lower revolving ring (28).
- 14 Remove shoe brake assembly (36) from upper revolving ring (2).

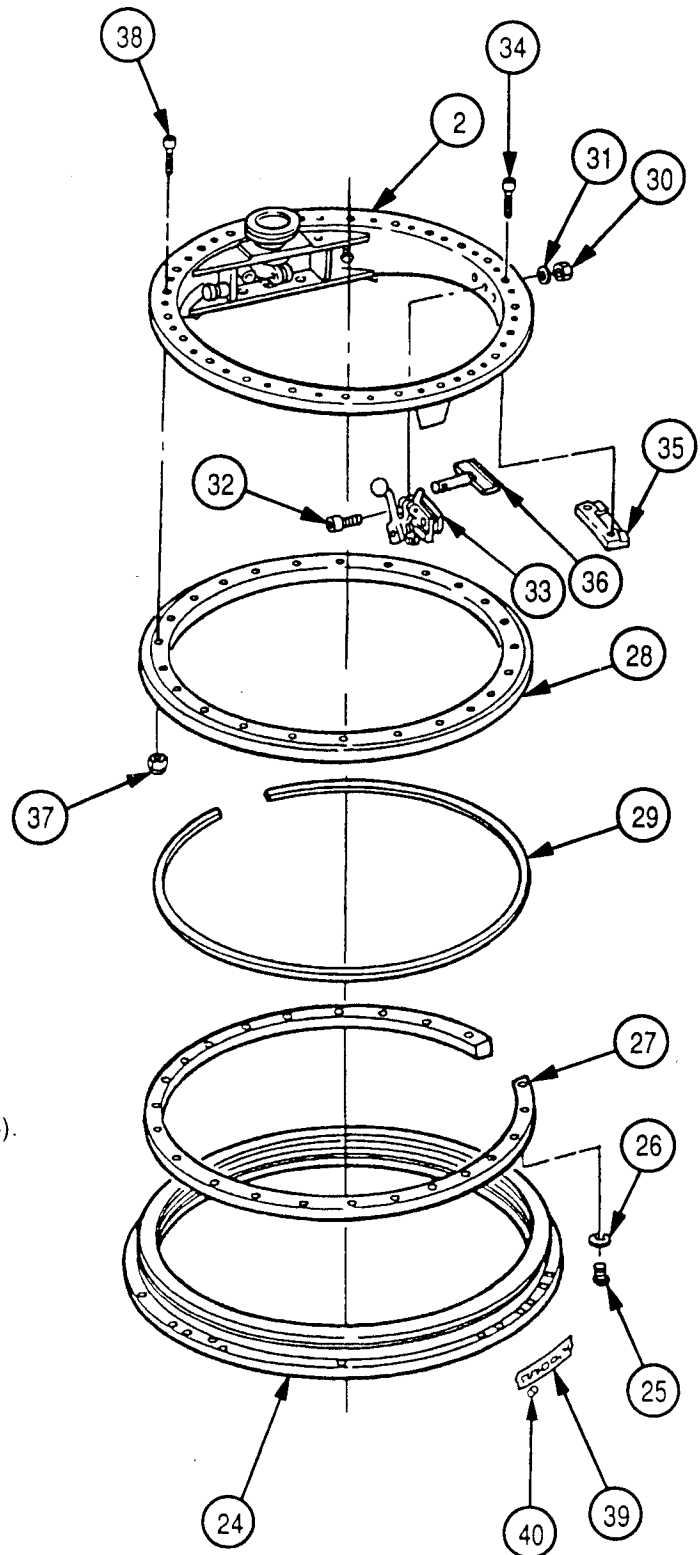
CAUTION

Lower revolving ring, separator segments, and roller bearings may fall out when self-locking nuts and socket head capscrews are removed.

- 15 Remove 22 self-locking nuts (37) and 22 socket head capscrews (38). Discard self-locking nuts.
- 16 Carefully remove lower revolving ring (28) from outer seal ring (24).
- 17 Carefully lift upper revolving ring (2) from outer seal ring (24).
- 18 If damaged, remove 16 separator segments (39) and 96 roller bearings (40) from outer seal ring (24).

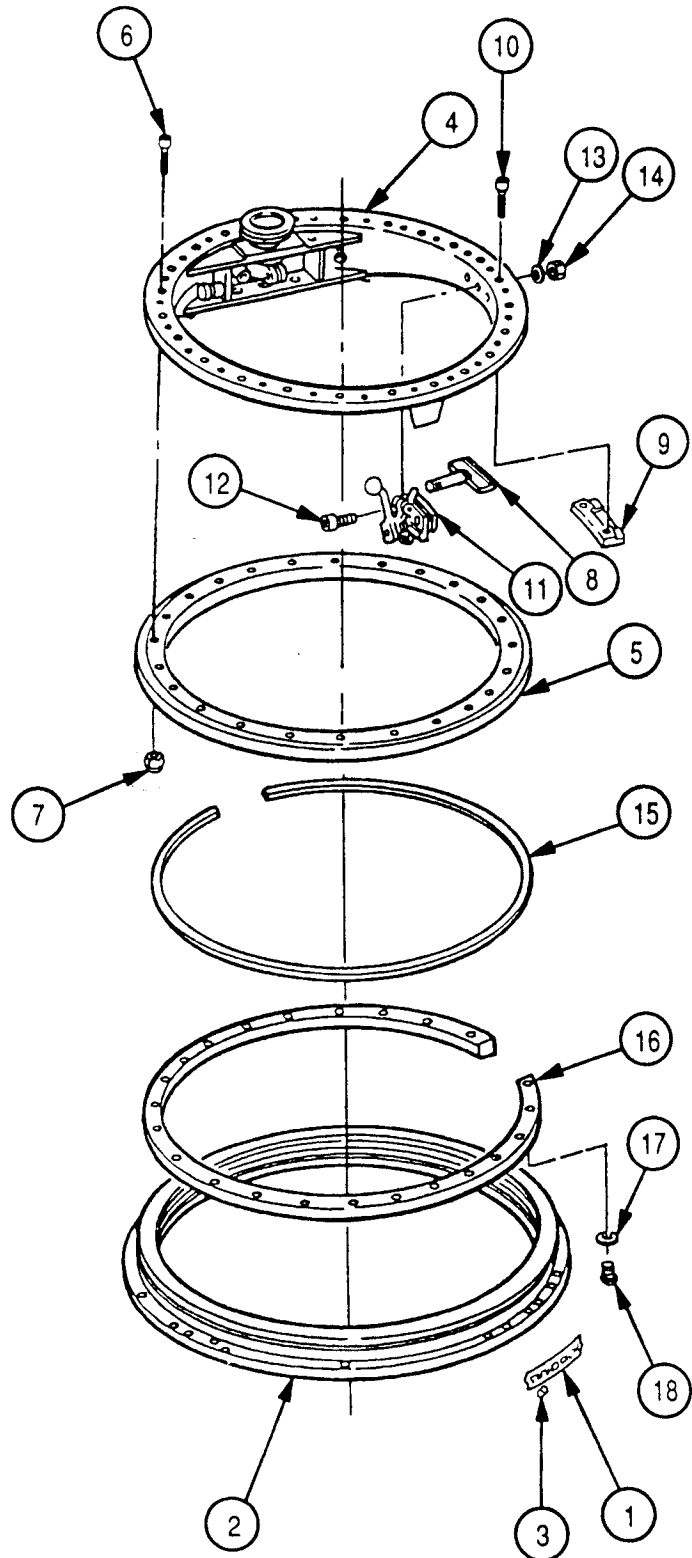
INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 If outer seal ring is broken or damaged, repair is by replacement of next higher assembly.
- 3 If upper revolving ring is broken or damaged, repair is by replacement of next higher assembly.
- 4 Ring brake is a repairable assembly. Refer to paragraph 8-5.
- 5 Repair is by replacement of authorized parts (appx C).

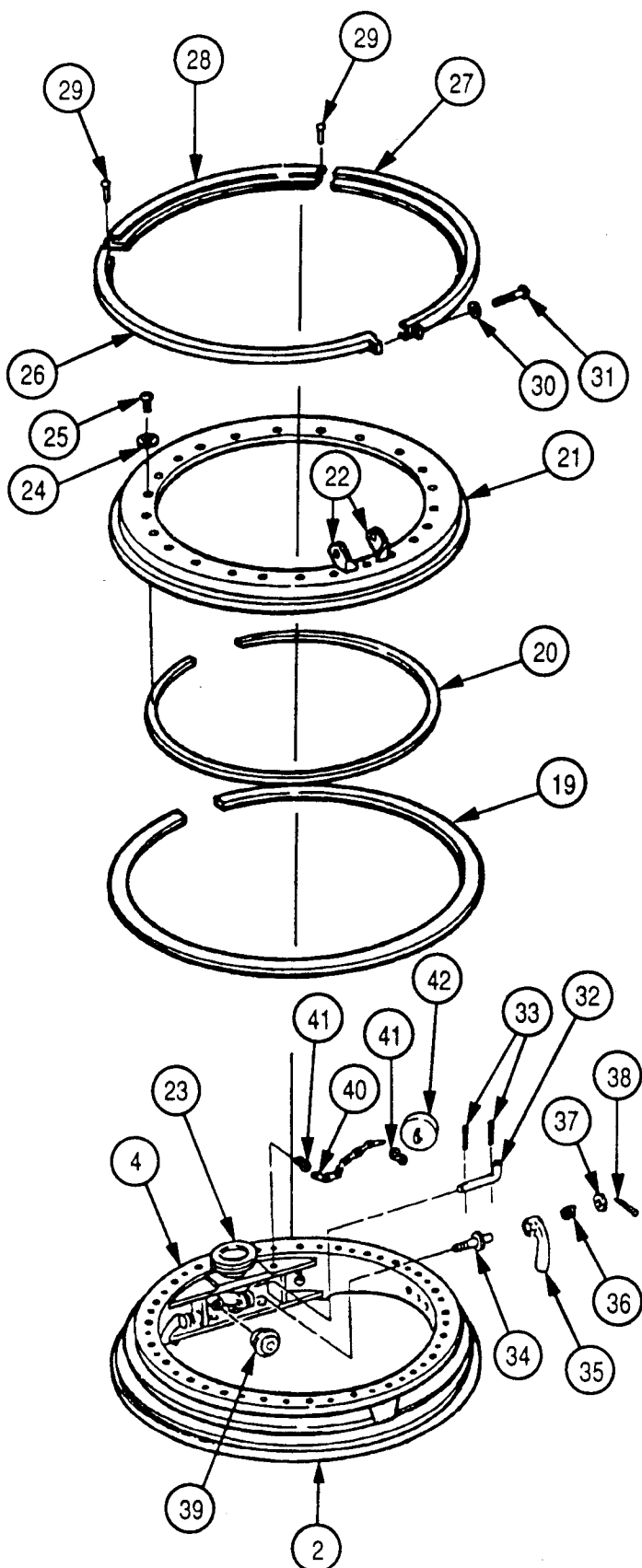


8-4. RING ASSEMBLY, RING ASSEMBLY, AND RING—MAINTENANCE INSTRUCTIONS (cont)
 REASSEMBLY

- 1 Lightly coat 16 separator segments (1) with grease and install in outer seal ring (2).
- 2 Lightly coat 96 roller bearings (3) with grease and install in 16 separator segments (1).
- 3 Carefully lower upper revolving ring (4) into outer seal ring (2).
- 4 Align lower revolving ring (5) with upper revolving ring (4) and secure with 22 socket head capscrews (6) and 22 new self-locking nuts (7).
- 5 Install shoe brake assembly (8) in upper revolving ring (4). Install brake lining clamp (9) on lower revolving ring (5) and secure with two socket head capscrews (10).
- 6 Install ring brake (11), two socket head capscrews (12), two flat washers (13), and two new self-locking nuts (14).
- 7 Install new mechanical felt (15) in outer seal ring (2). Pierce 22 holes in mechanical felt.
- 8 Install seal retainer ring (16), 22 new lock-washers (17), and 22 machine screws (18) in lower revolving ring (5).



- 9 Install new mechanical felt (19) in outer seal ring (2).
- 10 Install new mechanical felt (20) in outer seal ring (21). Pierce 24 holes in mechanical felt.
- 11 Install outer seal ring (21) on upper revolving ring (4) so that cushioning pad bracket (22) is directly opposite pintle socket (23). Secure outer seal ring with 24 new lockwashers (24) and 24 machine screws (25).
- 12 If separated, assemble seal ring segment (26), seal ring segment (27), and seal ring segment (28), and secure with two headed straight pins (29).
- 13 Install three seal ring segments (26, 27, and 28) on outer seal ring (21) and secure with new lockwasher (30) and machine screw (31).
- 14 Install pintle lock handle (32) in upper revolving ring (4) and secure with two new cotter pins (33).
- 15 Install headless shoulder pin (34), manual control handle (35), helical compression spring (36), and ring spacer (37) in upper revolving ring (4) and secure with new cotter pin (38).
- 16 Install sleeve bushing (39) in upper revolving ring (4).
- 17 Install weldless chain (40), two S chain hooks (41), and pintle lock cap (42).

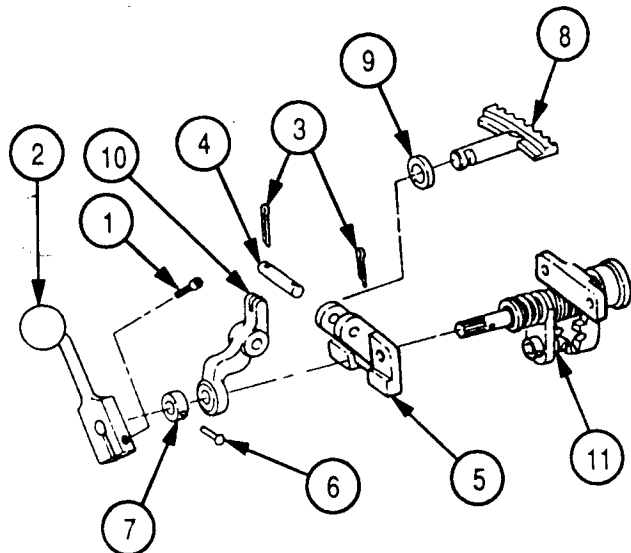


8-5. RING BRAKE—MAINTENANCE INSTRUCTIONS

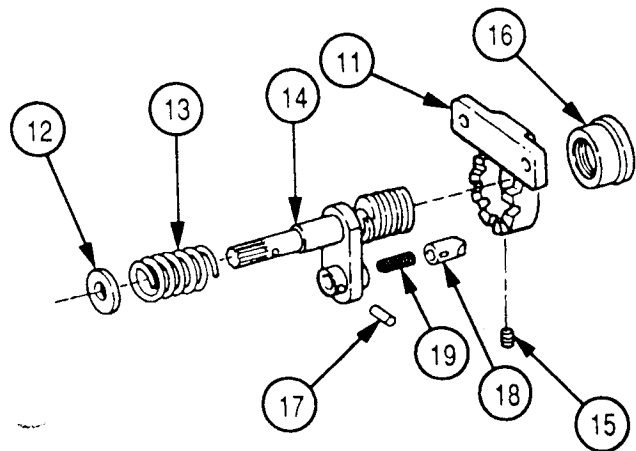
THIS TASK COVERS:		
a. Disassembly	b. Inspection/Repair	c. Reassembly
INITIAL SETUP		
<i>Tools and Special Tools</i>		
Small Arms Repairman Tool Kit (item 2, appx B)		
Small Arms Shop Set (item 1, appx B)		
<i>Materials/Parts</i>		
Cotter pin (2) (MS24665-283)		
Headless straight pin (MS16556-628)		
Solid rivet (MS35743-11)		
<i>Equipment Conditions</i>		
8-4 Ring brake removed		

DISASSEMBLY

- 1 Remove socket head capscrew (1) and manual control lever (2).
- 2 Remove two cotter pins (3) and headless straight pin (4) from brake shoe bracket (5). Discard cotter pins.
- 3 Remove solid rivet (6), shaft collar (7), shoe brake assembly (8), flat washer (9), brake shoe cam (10), and brake shoe bracket (5) from cam brake bracket (11). Discard solid rivet.



- 4 Remove convex washer (12) and helical spring (13) from worm shaft assembly (14).
- 5 Remove setscrew (15) and plain round nut (16) from cam brake bracket (11).
- 6 Remove worm shaft assembly (14) from cam brake bracket (11).
- 7 Grind down and remove headless straight pin (17). Discard headless straight pin. Remove detent brake body (18) and helical spring (19) from worm shaft assembly (14).

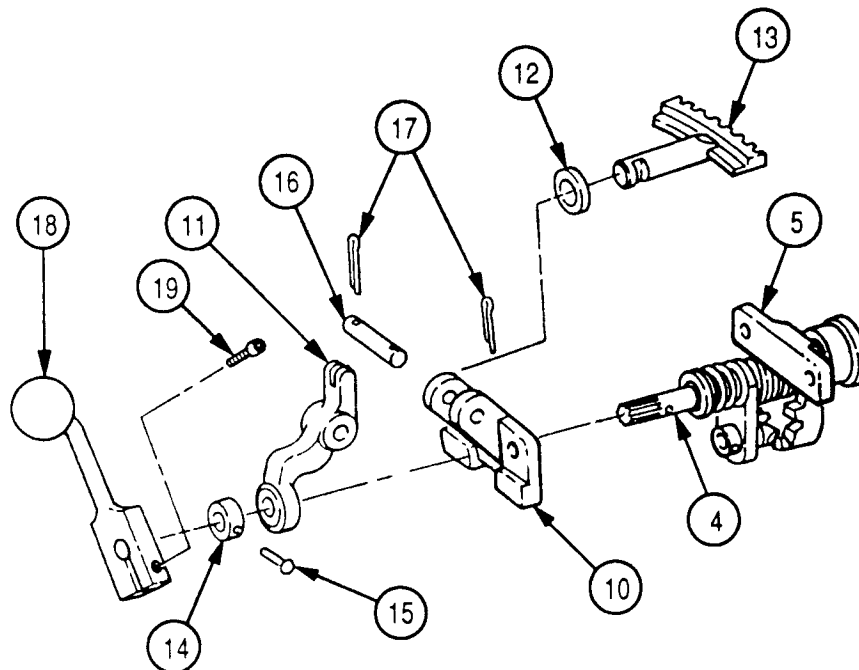
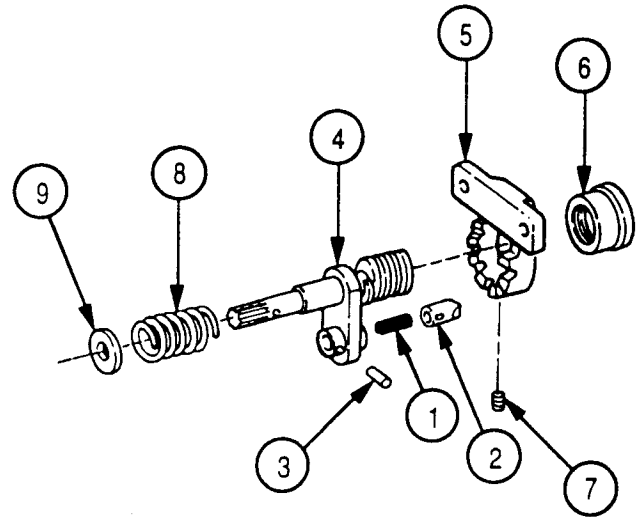


INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 Install helical spring (1), detent brake body (2), and new headless straight pin (3) in worm shaft assembly (4). Peen pin securely.
- 2 Install worm shaft assembly (4) in cam brake bracket (5).
- 3 Install plain round nut (6) in cam brake bracket (5) and secure with setscrew (7).
- 4 Install helical spring (8) and convex washer (9) on worm shaft assembly (4).



- 5 Install brake shoe bracket (10), brake shoe cam (11), flat washer (12), shoe brake assembly (13), shaft collar (14), and new solid rivet (15) on cam brake bracket (5) and worm shaft assembly (4).
- 6 Secure brake shoe cam (11) to brake shoe bracket (10) with headless straight pin (16) and two new cotter pins (17).
- 7 Install manual control lever (18) and secure with socket head capscrew (19).

CHAPTER 9

M240E1 FLEXIBLE MACHINE GUN MOUNT, AND
 FLEXIBLE MOUNT ASSEMBLY FOR
 M122A1 TRIPOD MOUNT AND M240G MACHINE GUN

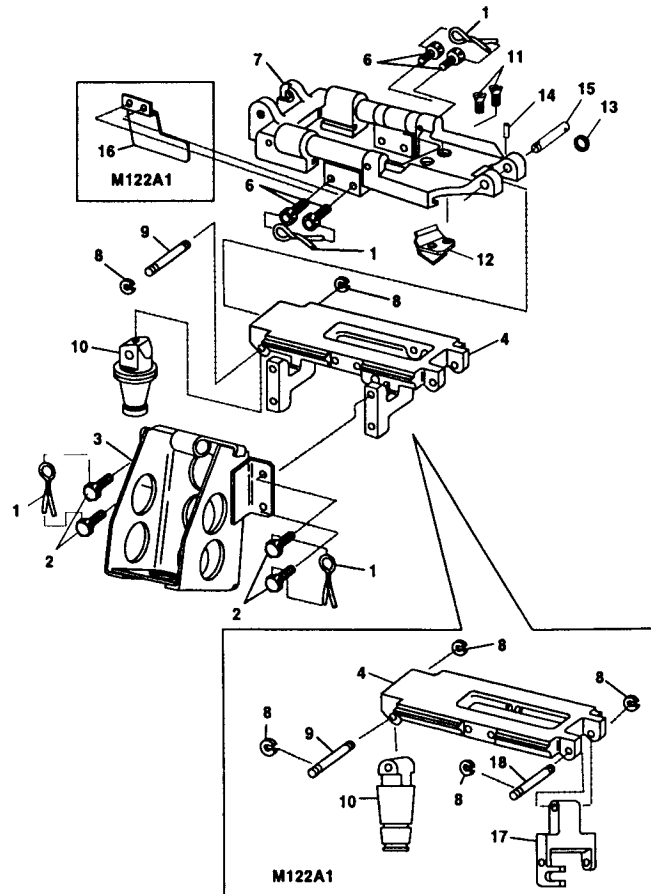
Section 1. UNIT MAINTENANCE INSTRUCTIONS

9-1. FLEXIBLE MACHINE GUN MOUNT - MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:		
a. Disassembly	b. Inspection/Repair	c. Reassembly
INITIAL SETUP		
<i>Tools and Special Tools</i>		
Small Arms Repairman Tool Kit (item 2, appx B)		
<i>Materials/Parts</i>		
Nonelectrical wire (item 10, appx E)		

DISASSEMBLY

- 1 Remove nonelectrical wire (1), four capscrews (2), and holder assembly (3) from lower cradle support (4). Discard nonelectrical wire (M240E1 only).
- 2 Remove nonelectrical wire (1), four socket head capscrews (6) and upper cradle assembly (7) with attached parts from lower cradle support (4). Remove round deflector (16) if damaged (M122A1/M240G only). Discard nonelectrical wire.
- 3 Remove two retaining rings (8) from headless grooved pin (9).
- 4 Remove headless grooved pin (9) and mount pintle (10).
- 5 Remove two retaining rings (8) from grooved pin (18) and separate traversing and elevating cradle bracket (17) (M122A1/M240G only).



9-1. FLEXIBLE MACHINE GUN MOUNT - MAINTENANCE INSTRUCTIONS (cont)

DISASSEMBLY (cont)

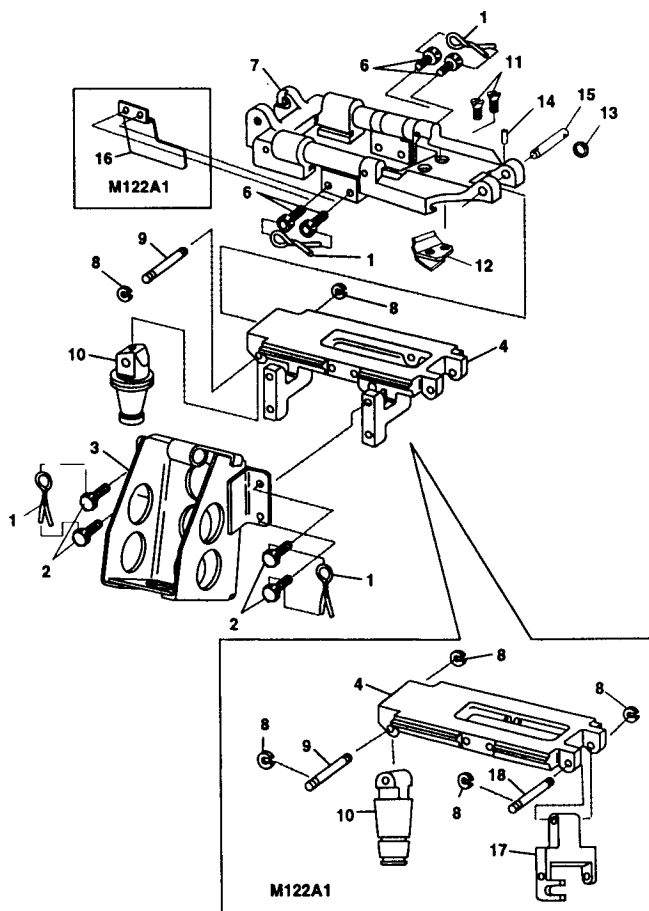
- 6 Remove two machine screws (11) and deflector (12) from upper cradle assembly (7) (M240E1 only).
- 7 Remove retaining ring (13), spring pin (14), and retaining pin (15) from upper cradle assembly (7).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Upper cradle assembly is a repairable assembly, notify direct support maintenance. Refer to paragraph 9-3.
- 3 Repair by replacement of authorized parts (appx C).

REASSEMBLY

- 1 Install retaining pin (15) in upper cradle assembly (7) and secure with spring pin (14). Install retaining ring (13).
- 2 Install deflector (12) on upper cradle assembly (7) and secure with two machine screws (11) (M240E1 only).
- 3 Align holes in mount pintle (10) with holes in lower cradle support (4) and install headless grooved pin (9).
- 4 Install two retaining rings (8) on headless grooved pin (9).
- 5 Align upper cradle assembly (7) with attached parts with lower cradle support (4), and secure right side with two socket head capscrews (6). Align round deflector (16) with cradle holes (M122A1/M240G only). Secure left side with two socket head capscrews (6). Attach new nonelectrical wire (1) (item 10, appx E) on both sides.
- 6 Align holder assembly (3) with lower cradle support (4) and secure with four hexagon head capscrews (2) and new nonelectrical wire (1) (item 10, appx E) (M240E1 only).
- 7 Align holes in traversing and elevating cradle bracket (17) and lower cradle (4) and install headless grooved pin (18). Install two retaining rings (8) on headless grooved pin (9) (M122A1/M240G only).



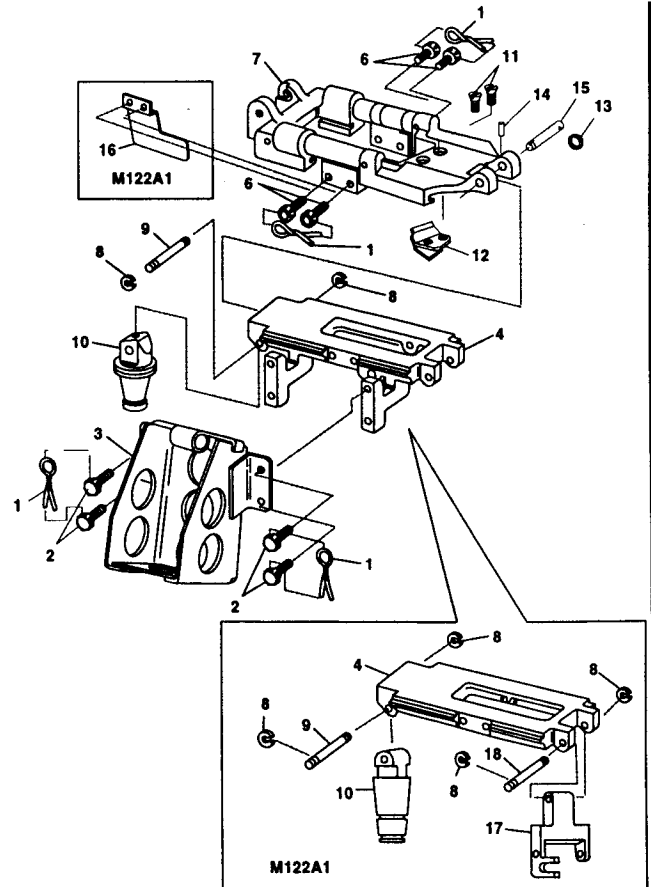
Section II. DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

9-2. FLEXIBLE MACHINE GUN MOUNT - MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:		
a. Disassembly	b. Inspection/Repair	c. Reassembly
INITIAL SETUP		
<i>Tools and Special Tools</i>		
Small Arms Repairman Tool Kit (item 2, appx B)		
Small Arms Shop Set (item 1, appx B)		
<i>Materials/Parts</i>		
Nonelectrical wire (item 10, appx E)		

DISASSEMBLY

- 1 Remove nonelectrical wire (1), four hexagon head capscrews (2), and holder assembly (3) from lower cradle support (4). Discard nonelectrical wire (M240E1 only).
- 2 Remove nonelectrical wire (1), capscrews (6) and upper cradle assembly (7) with attached parts from lower cradle support (4). Remove round deflector (16) if damaged (M122A1/ M240G only).
- 3 Remove two retaining rings (8) from headless grooved pin (9).
- 4 Remove headless grooved pin (9) and mount pintle (10).
- 5 Remove two retaining rings (8) from grooved pin (18) and separate traversing and elevating cradle bracket (17) (M122A1/M240G only).
- 6 Remove two machine screws (11) and deflector(12) from upper cradle assembly (7) (M240E1 only).
- 7 Remove retaining ring (8), spring pin (14), and retaining pin (15) from upper cradle assembly (7).

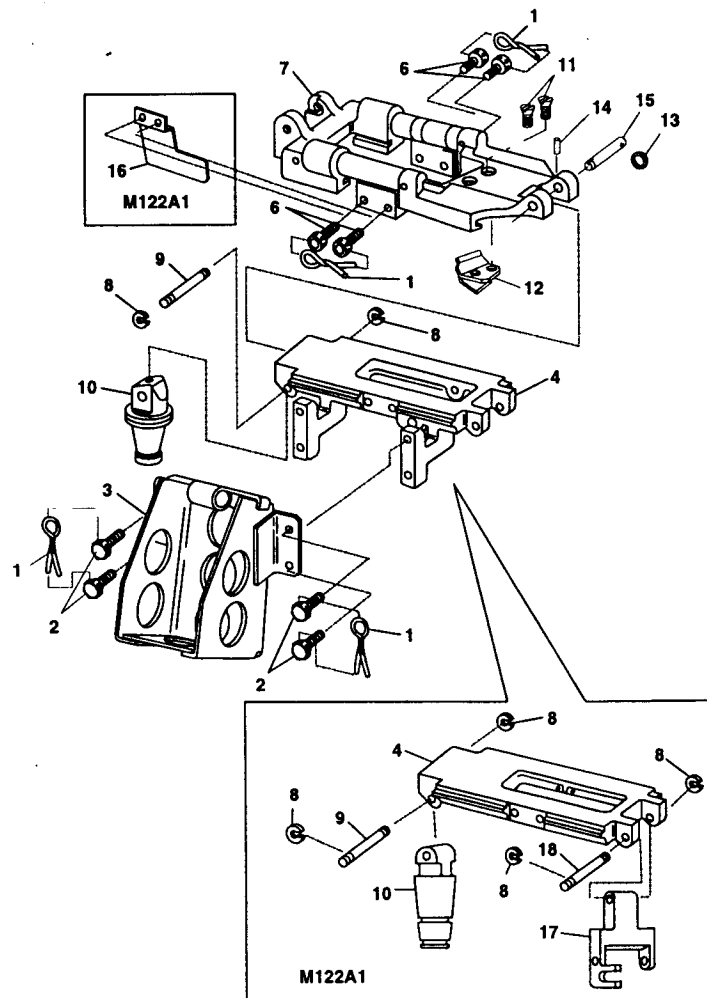


INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Upper cradle assembly is a repairable assembly. Refer to paragraph 9-3.
- 3 Repair by replacement of authorized parts (appx C).

REASSEMBLY

- 1 Install retaining pin (15) in upper cradle assembly (7) and secure with spring pin (4). Install retaining ring (13).
- 2 Install deflector (12) on upper cradle assembly (7) and secure with two machine screws (11).
- 3 Align holes in mount pintle (10) with holes in lower cradle support (4) and install headless grooved pin (9).
- 4 Install two retaining rings (8) on headless grooved pin (9).



- 5 Align upper cradle assembly (7) with attached parts with lower cradle support (4), and secure right side with two socket head capscrews (6). Align round deflector (16) with cradle holes (M122A1/M240G only). Secure left side with two socket head capscrews (6). Attach new nonelectrical wire (1) (item 10, appx E) on both sides.
- 6 Align holder assembly (3) with lower cradle support (4) and secure with four hexagon head capscrews (2) and new nonelectrical wire (1) (item 10, appx E) (M240E1 Flex Mount only).
- 7 Align holes in traversing and elevating cradle bracket (17) and lower cradle (4) and install headless grooved pin (18). Install two retaining rings (8) on headless grooved pin (9) (M122A1/M240G only).

9-3. UPPER CRADLE ASSEMBLY - MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

a. Disassembly

b. Inspection/Repair

c. Reassembly

INITIAL SETUP

Tools and Special Tools

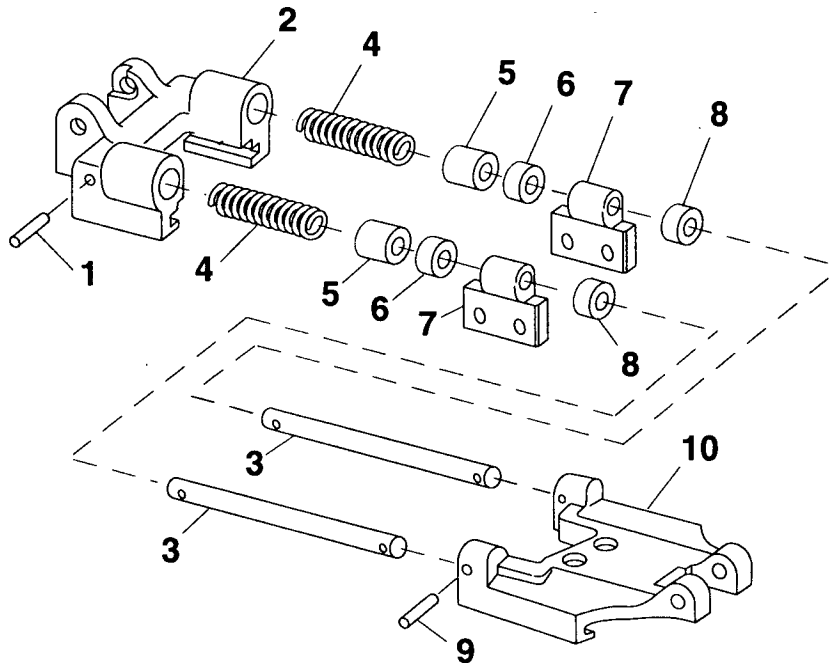
Small Arms Repairman Tool Kit (item 2, appx B)

Small Arms Shop Set (item 1, appx B)

Equipment Condition

9-2 Upper cradle assembly removed

DISASSEMBLY



- 1 Remove two spring pins (1) from front cradle support (2) and remove front cradle support from two metallic tubes (3).

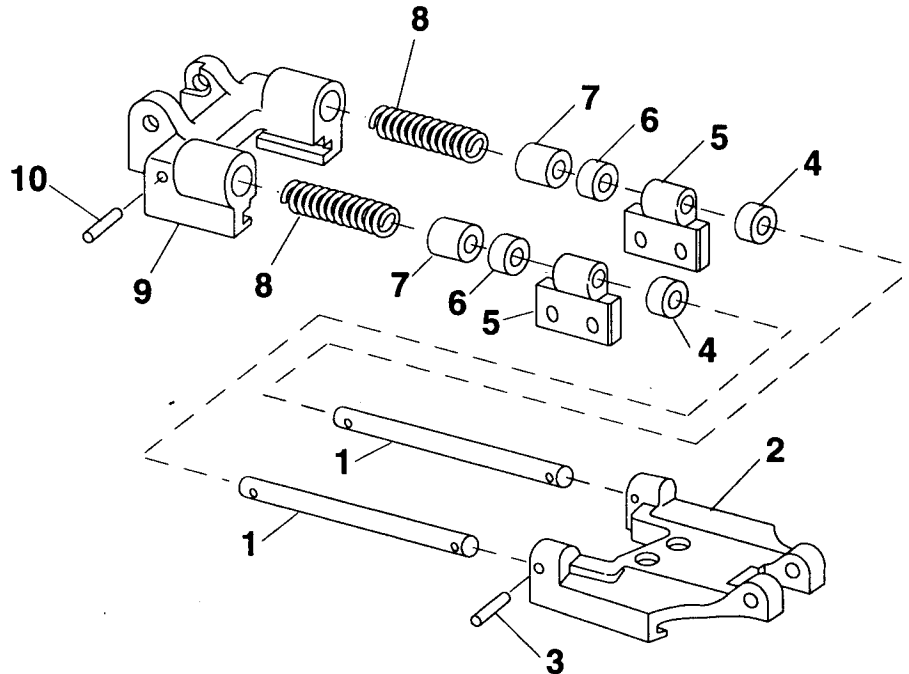
WARNING

To avoid injury to your eyes, use care when removing and installing spring-loaded parts.

- 2 Remove two helical springs (4), two spring shields (5), two elastic stops (6), two nonrotating eye brackets (7), and two elastic stops (8) from metallic tubes (9).
- 3 Remove two spring pins (9) and two metallic tubes (6) from rear cradle support (10).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 If front cradle support is broken or damaged, repair is by replacement of next higher assembly.
- 3 If rear cradle support is broken or damaged, repair is by replacement of next higher assembly.
- 4 Repair is by replacement of authorized parts (appx C).



REASSEMBLY

- 1 Install two metallic tubes (1) in rear cradle support (2) and secure with two spring pins (3).
- 2 Install two elastic stops (4), two nonrotating eye brackets (5), two elastic stops (6), two spring shields (7), and two helical springs (8) on two metallic tubes (1).
- 3 Install front cradle support (9) on two metallic tubes (1) and secure with two spring pins (10).

CHAPTER 10

M142 MACHINE GUN MOUNT

Section I. UNIT MAINTENANCE INSTRUCTIONS

10-1. M142 MACHINE GUN MOUNT—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:		
a. Disassembly	b. Inspection/Repair	c. Reassembly
INITIAL SETUP		
<i>Tools and Special Tools</i> Small Arms Repairman Tool Kit (item 2, appx B)		

DISASSEMBLY

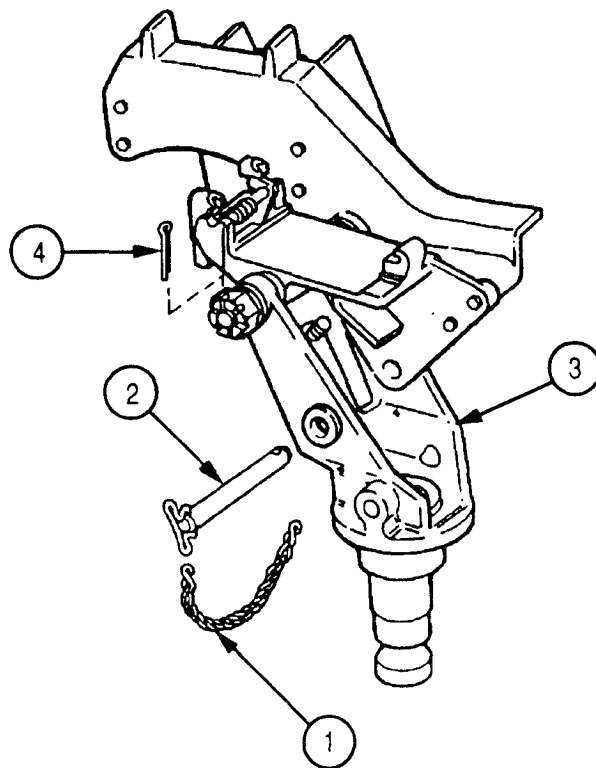
- 1 Remove single chain assembly (1) from quick release pin (2) and mount-pintle (3).
- 2 Remove quick release pin (2) from mount pintle (3).
- 3 If damaged, remove cotter pin (4).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 If removed, install new cotter pin (4).
- 2 Install quick release pin (2) in mount pintle (3).
- 3 Install single chain assembly (1) on mount pintle (3) and quick release pin (2).



Section II. DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

10-2. M142 MACHINE GUN MOUNT AND PLATFORM ASSEMBLY—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

a. Disassembly

b. Inspection/Repair

c. Reassembly

INITIAL SETUP

Tools and Special Tools

Small Arms Repairman Tool Kit (item 2, appx B)

Small Arms Shop Set (item 1, appx B)

Personnel Required

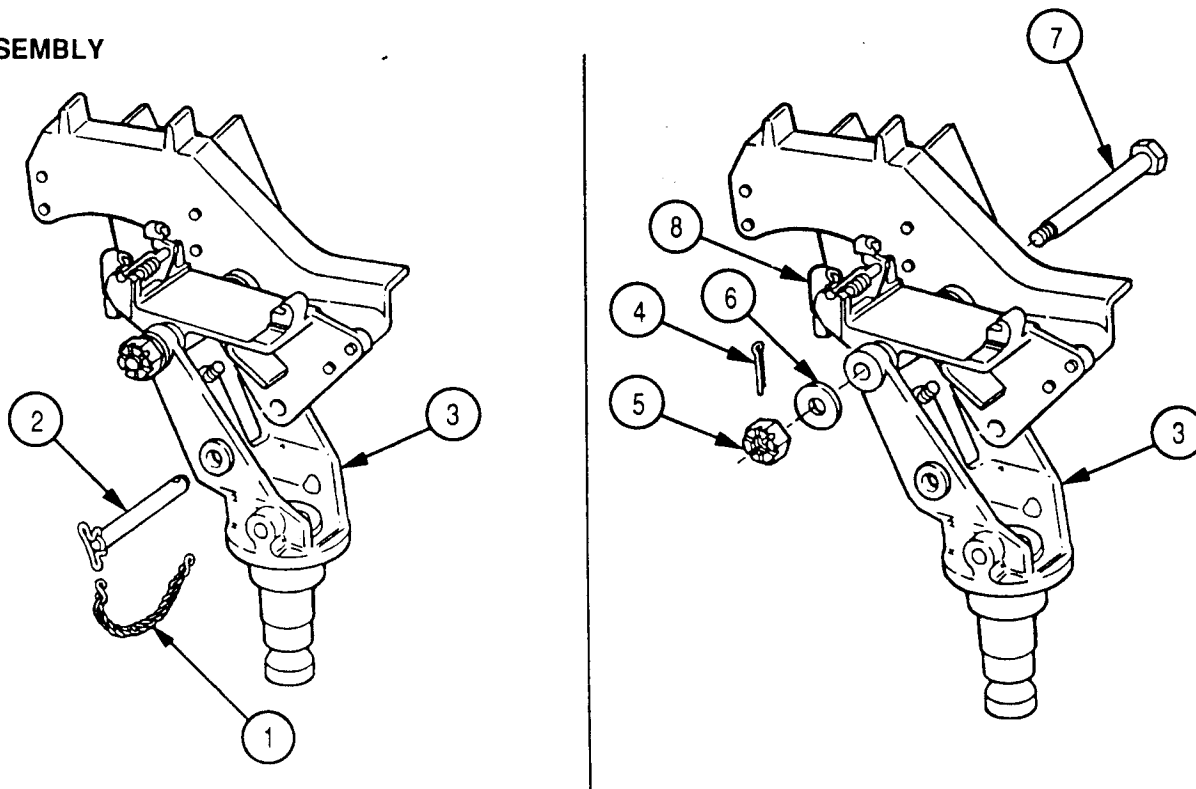
2

Materials/Parts

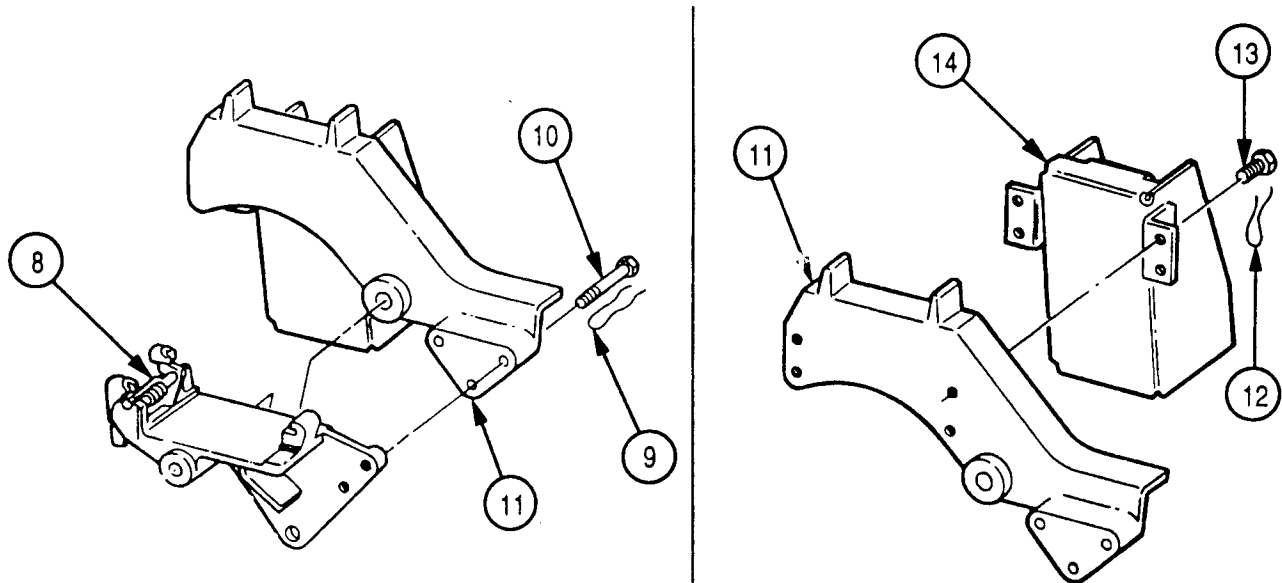
Cotter pin (MS24665-291)

Nonelectrical wire (item 10, appx E)

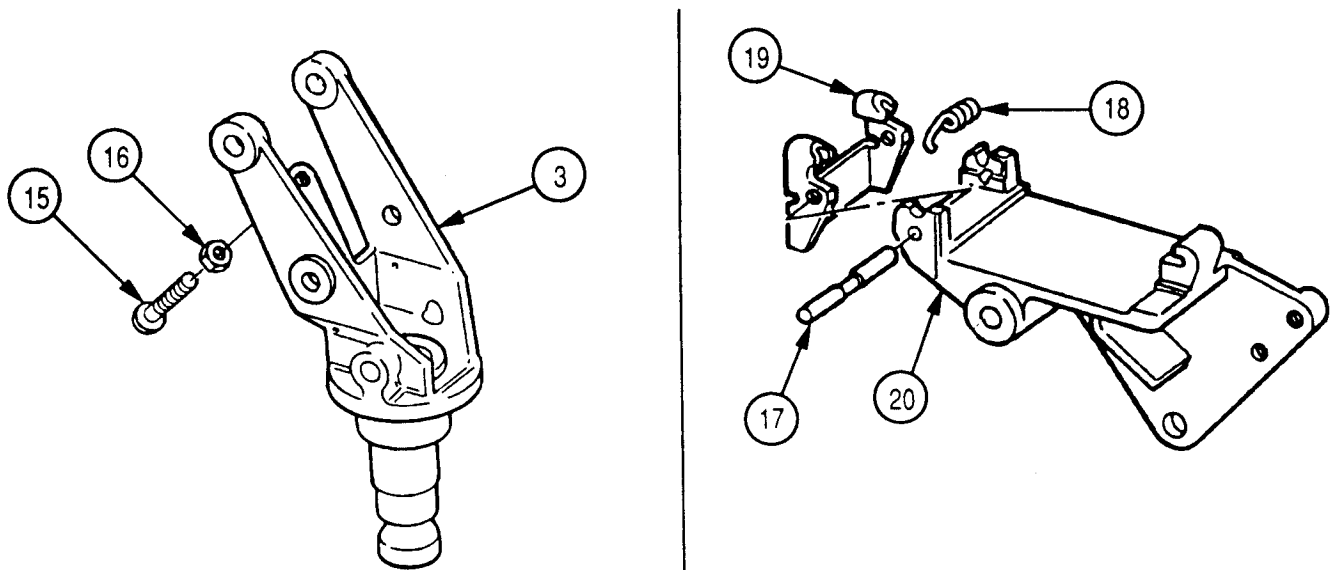
DISASSEMBLY



- 1 Remove single chain assembly (1) from quick release pin (2) and mount pintle (3).
- 2 Remove quick release pin (2) from mount pintle (3).
- 3 Remove cotter pin (4), slotted plain nut (5), flat washer (6), shoulder bolt (7), and platform assembly (8) with attached parts from mount pintle (3). Discard cotter pin.



- 4 Remove nonelectrical wire (9) and three hexagon cap screws (10). Remove machine gun cradle (11) from platform assembly (8). Discard nonelectrical wire.
- 5 Remove nonelectrical wire (12), four hexagon cap screws (13), and gun holder assembly (14) from machine gun cradle (11). Discard nonelectrical wire.



WARNING

To avoid injury to your eyes, use care when removing and installing spring-loaded parts.

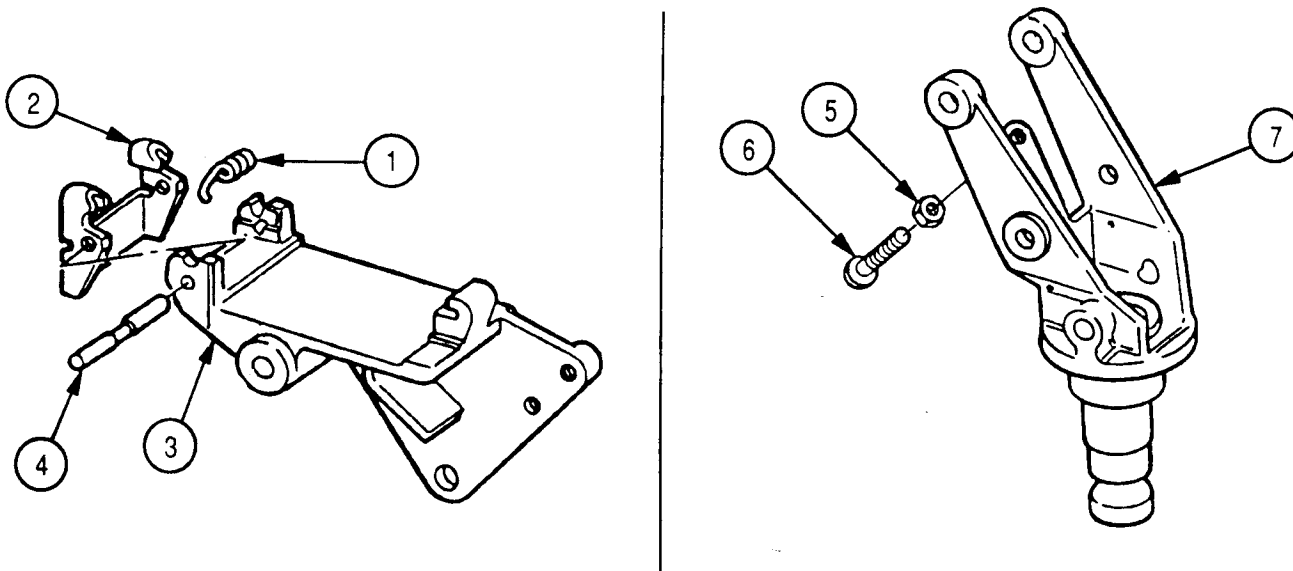
- 6 Remove machine screw (15) and hexagon plain nut (16) from mount pintle (3).
- 7 Remove headless grooved pin (17), torsion helical spring (18), and catch strike (19) from platform assembly (20).

10-2. M142 MACHINE GUN MOUNT AND PLATFORM ASSEMBLY—MAINTENANCE INSTRUCTIONS (cont)

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

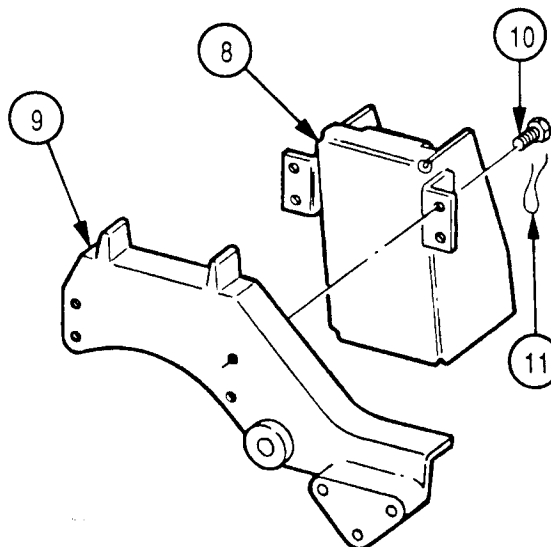


NOTE

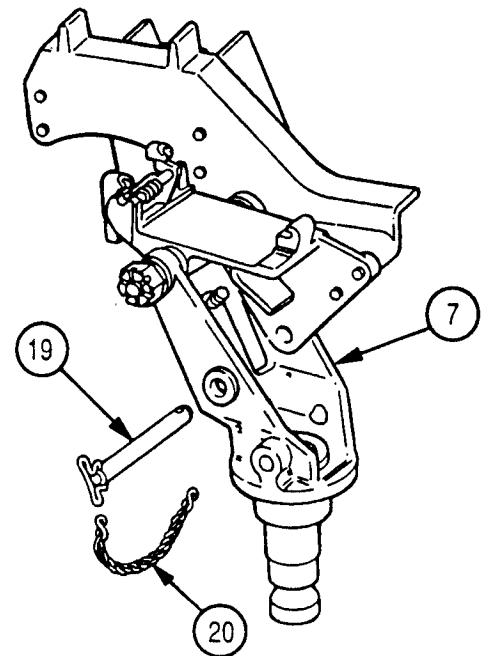
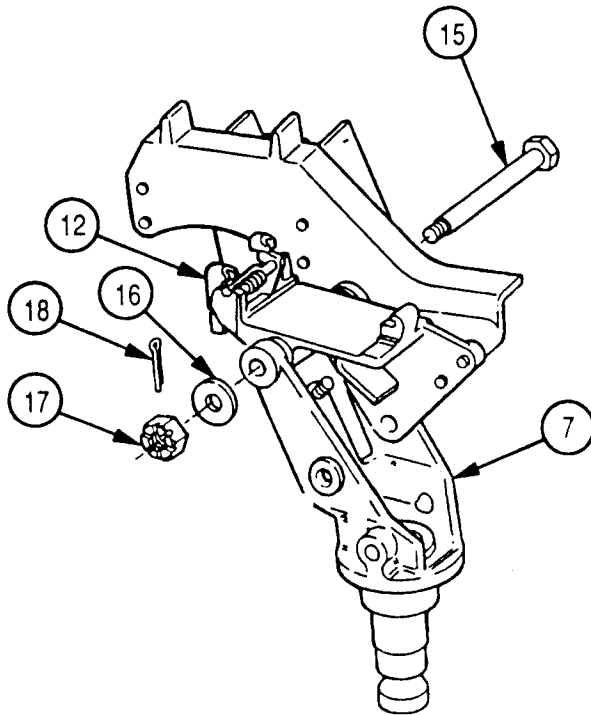
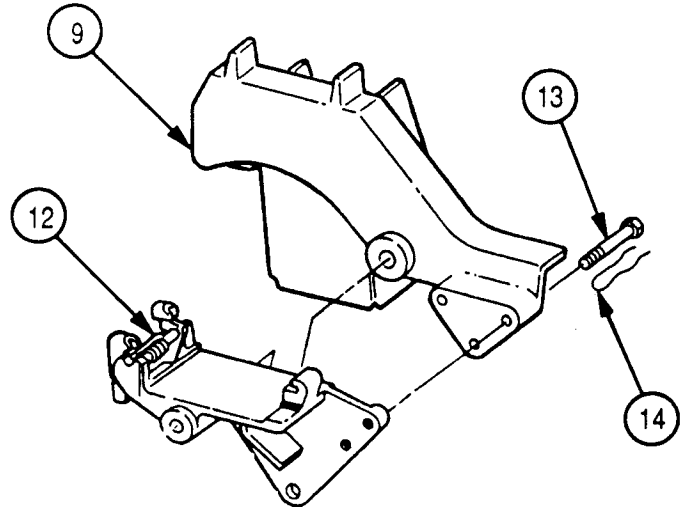
Have helper assist in reassembly.

- 1 Place torsion helical spring (1) and catch strike (2) on platform assembly (3) and secure with headless grooved pin (4).
- 2 Place hexagon plain nut (5) on machine screw (6) and install in mount pintle (7).

- 3 Place gun holder assembly (8) on machine gun cradle (9) and secure with four hexagon capscrews (10) and new nonelectrical wire (11) (item 10, appx E).



- 4 Place machine gun cradle (9) on platform assembly (12) and secure with three hexagon capscrews (13) and new nonelectrical wire (14) (item 10, appx E).



- 5 Place platform assembly (12) with attached parts in mount pintle (7) and secure with shoulder bolt (15), flat washer (16), and slotted plain nut (17). Align slotted plain nut with shoulder bolt and install new cotter pin (18).
- 6 Install quick release pin (19) in mount pintle (7).
- 7 Install single chain assembly (20) on mount pintle (7) and quick release pin (19).

CHAPTER 11

6650 .50 CAL MACHINE GUN MOUNT

Section I. UNIT MAINTENANCE INSTRUCTIONS

11-1. 6650 .50 CAL MACHINE GUN MOUNT—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

a. Disassembly

b. Inspection/Repair

c. Reassembly

INITIAL SETUP

Tools and Special Tools

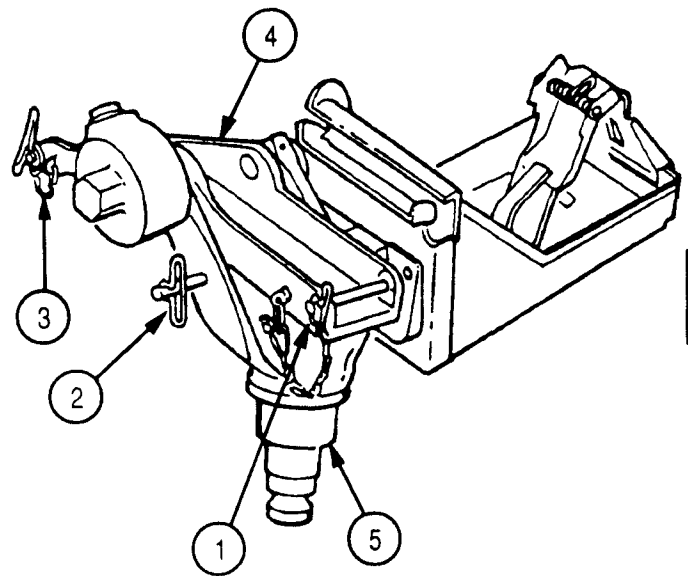
Small Arms Repairman Tool Kit (item 2, appx B)

DISASSEMBLY

Remove three quick release pins (1, 2, and 3) from machine gun cradle (4) and mount pintle (5).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 For further disassembly of 6650 .50 cal machine gun mount, notify direct support maintenance.
- 3 Repair is by replacement of authorized parts (appx C).



REASSEMBLY

Install three quick release pins (3, 2, and 1) in machine gun cradle (4) and mount pintle (5).

Section II. DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

11-2. 6650 .50 CAL MACHINE GUN MOUNT—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

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

INITIAL SETUP

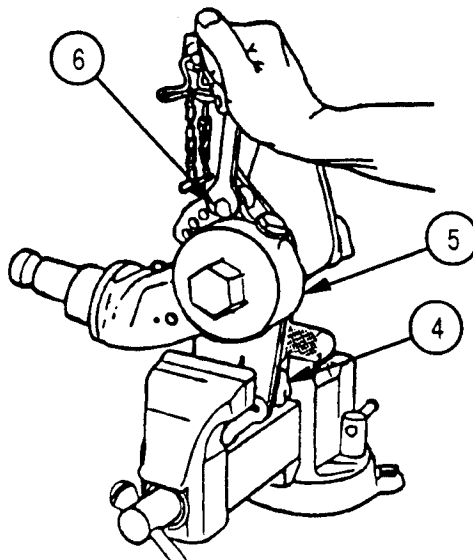
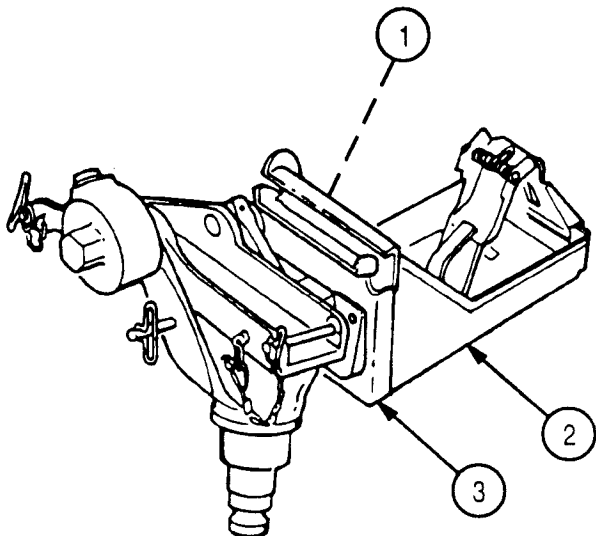
Tools and Special Tools

- Small Arms Repairman Tool Kit (item 2, appx B)
- Small Arms Shop Set (item 1, appx B)

Materials/Parts

- Cotter pin (MS24665-132)
- Enamel (item 3, appx E)
- Lockwasher (4) (MS35333-42)
- Lockwasher (MS35333-46)
- Lockwasher (3) (MS35338-45)
- Lockwasher (MS35338-46)

DISASSEMBLY



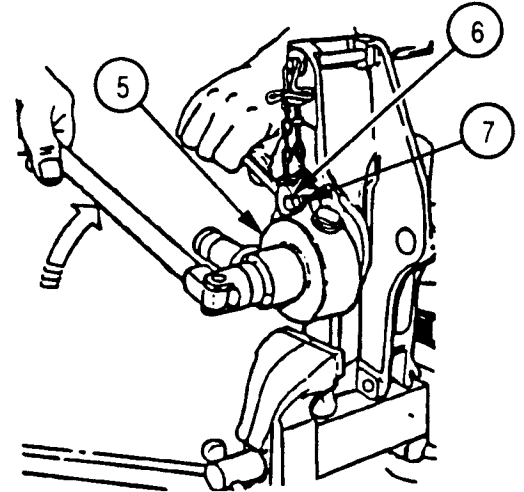
- 1 Unlock cam (1) and remove ammunition box tray assembly (2) from ammunition bracket (3).
- 2 Clamp machine gun cradle (4) in vise with case (5) facing to the front.

WARNING

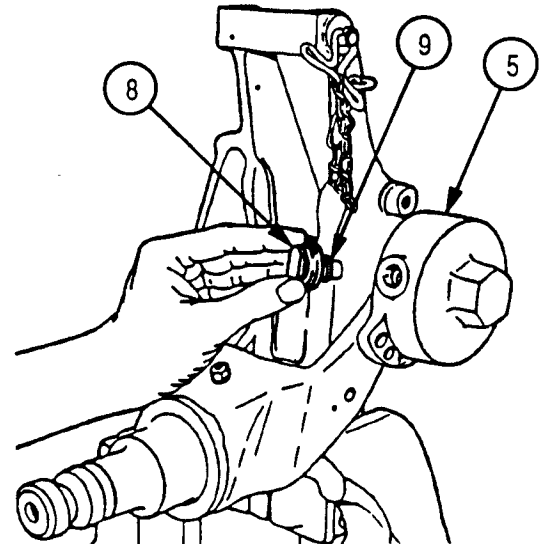
Case is under spring tension. To avoid injury to personnel, use care when removing case.

- 3 Loosen but do not remove hexagon head capscrew (6).

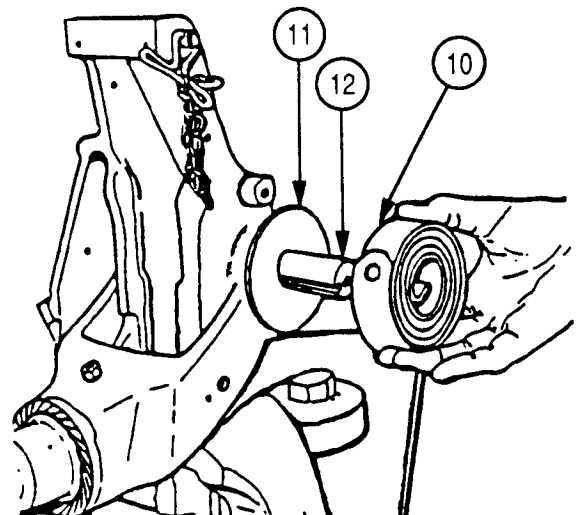
- 4 Place socket and drive socket handle on hexagon portion of case (5). Hold handle to counter-balance spring tension. Remove hexagon head capscrew (6) and lockwasher (7). Discard lockwasher.



- 5 Allow socket handle to rotate downward to relieve spring tension. Remove socket and drive socket handle.
- 6 Remove equilibrator stud (8) and lockwasher (9) from case (5) and remove case. Discard lockwasher.

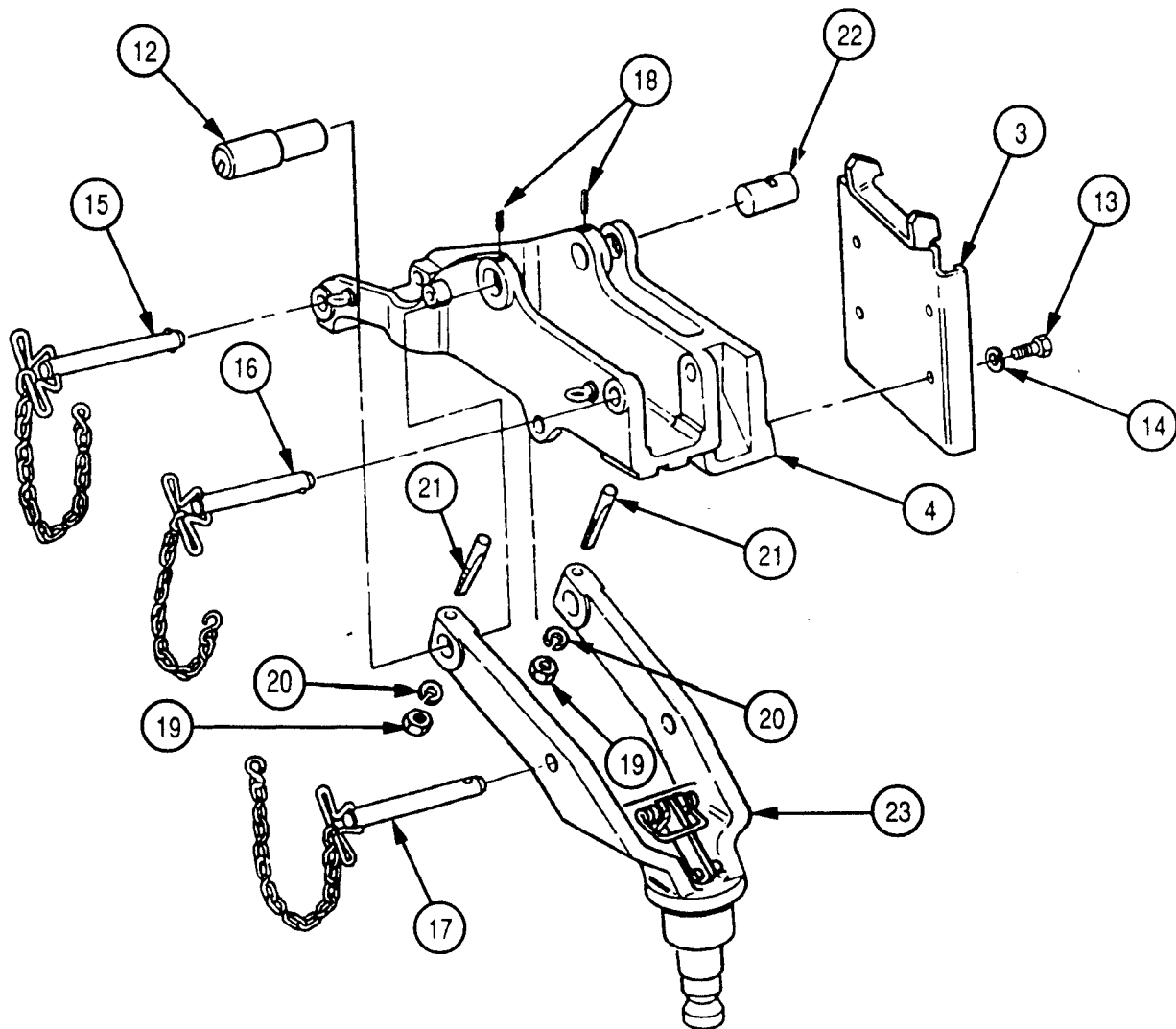


- 7 Remove torsion spiral spring (10) and flat washer (11) from headless grooved pin (12).



11-2. 6650 .50 CAL MACHINE GUN MOUNT—MAINTENANCE INSTRUCTIONS (cont)

DISASSEMBLY (cont)



NOTE

Remove machine gun cradle from vise.

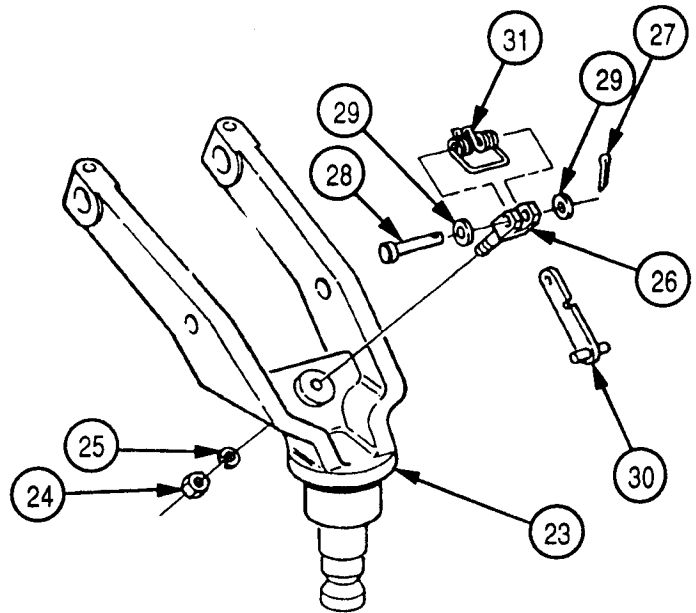
- 8 Remove four hexagon head screws (13), four lockwashers (14), and ammunition bracket (3) from machine gun cradle (4). Discard lockwashers.
- 9 Remove three quick release pins (15, 16, and 17).
- 10 Remove two wicks (18), two hexagon plain nuts (19), two lockwashers (20), and two threaded tapered pins (21). Remove headless straight pin (22) and headless grooved pin (12) from machine gun cradle (4). Separate mount pintle (23) from machine gun cradle (4). Discard lockwashers.

- 11 Remove hexagon plain nut (24), lockwasher (25), and rod end clevis (26) with attached parts from mount pintle (23). Discard lockwasher.

WARNING

To avoid injury to your eyes, use care when removing and installing spring-loaded parts.

- 12 Remove cotter pin (27) from headed straight pin (28), and remove headed straight pin, two flat washers (29), machine gun bar (30), and torsion helical spring (31) from rod end clevis (26). Discard cotter pin.

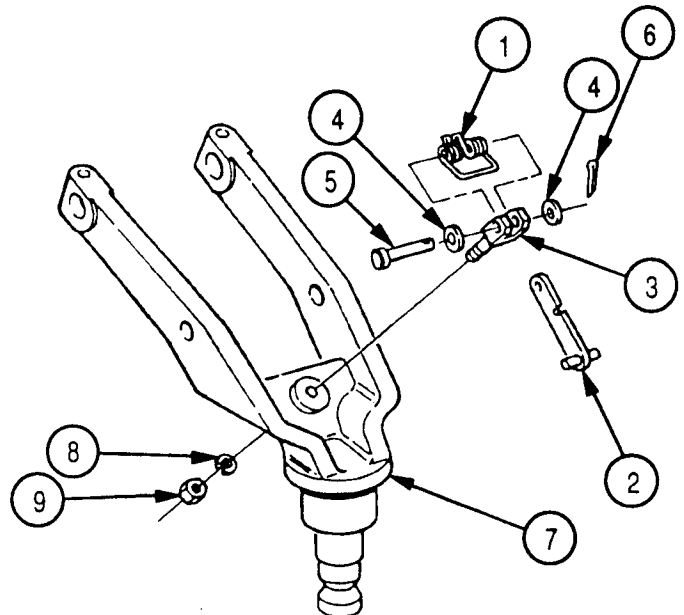


INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 If mount pintle is broken or damaged, repair is by replacement of next higher assembly.
- 3 Touch up bright metal surfaces with olive drab enamel paint (item 3, appx E).
- 4 Repair is by replacement of authorized parts (appx C).

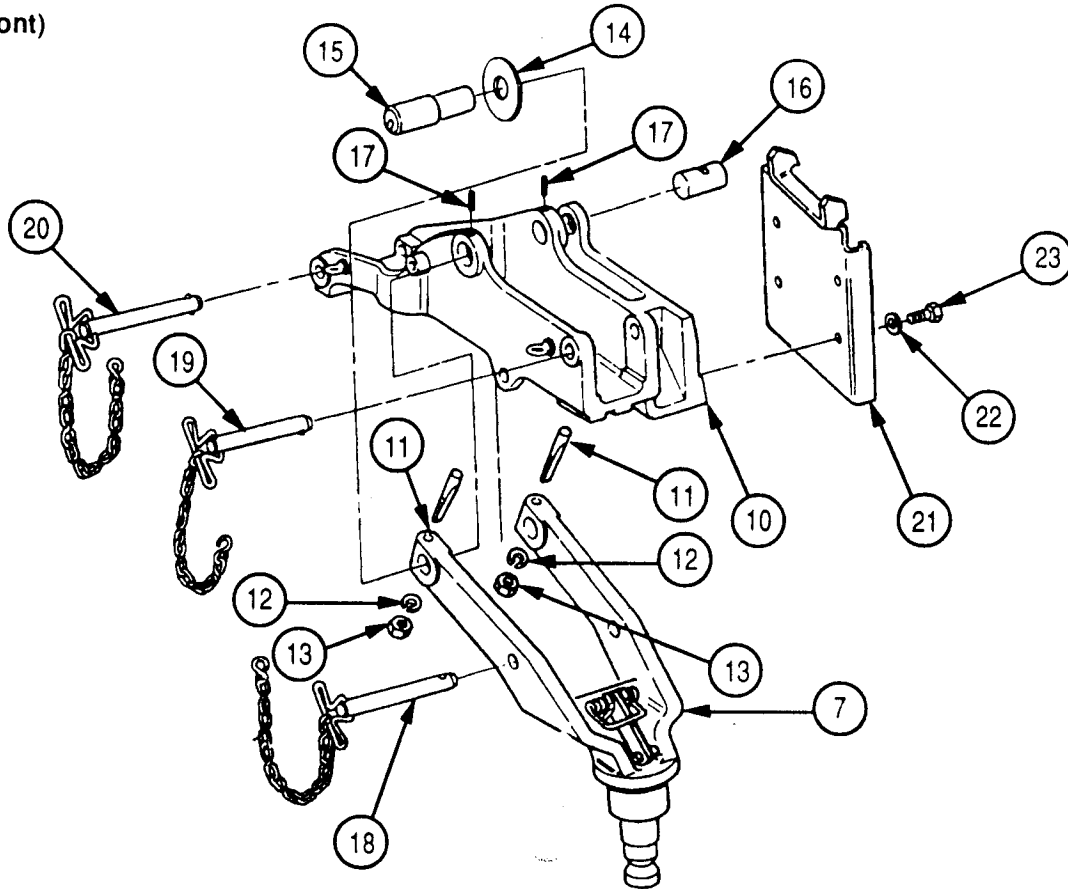
REASSEMBLY

- 1 Align torsion helical spring (1) and machine gun bar (2) with rod end clevis (3) and secure with two flat washers (4), headed straight pin (5), and new cotter pin (6).
- 2 Place rod end clevis (3) with attached parts in mount pintle (7) and secure with new lockwasher (8) and hexagon plain nut (9).



11-2. 6650 .50 CAL MACHINE GUN MOUNT—MAINTENANCE INSTRUCTIONS (cont)

REASSEMBLY (cont)

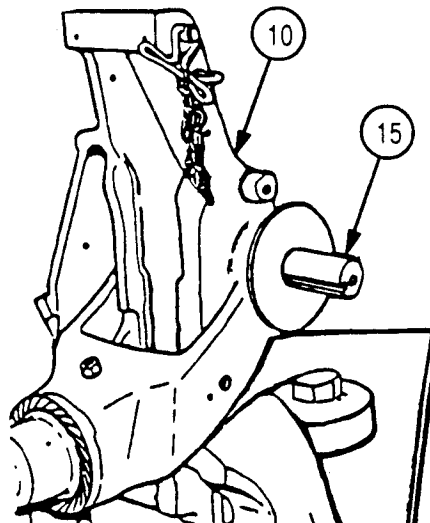


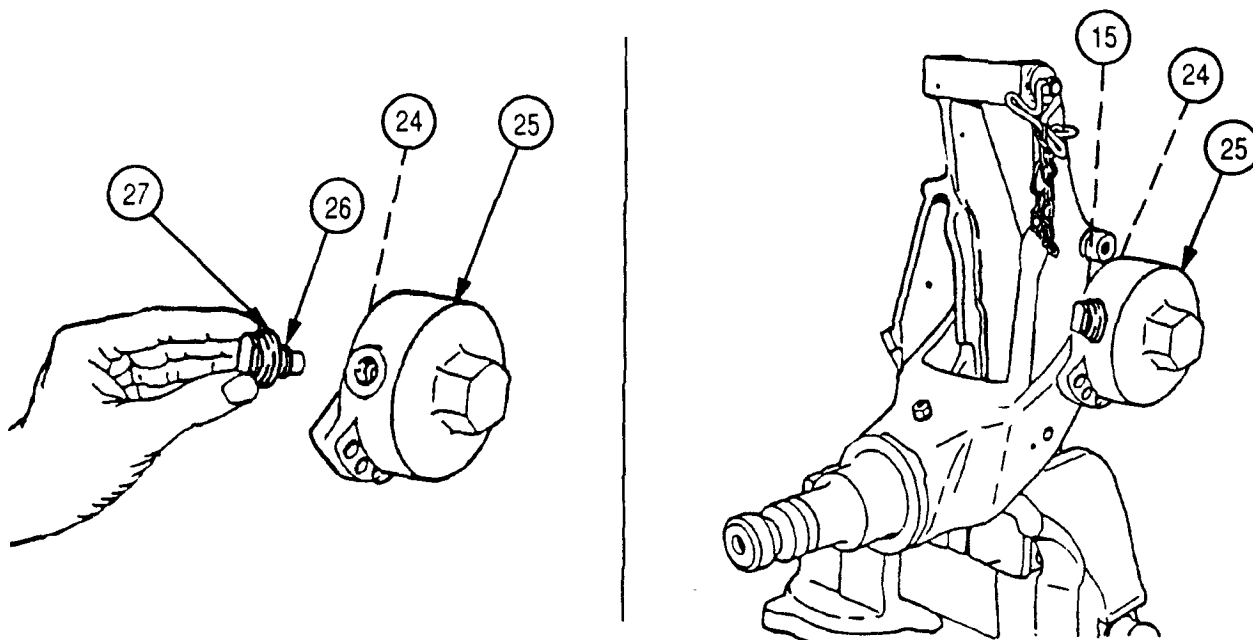
3 Align mount pintle (7) with machine gun cradle (10) and secure with two threaded tapered pins (11), two new lockwashers (12), and two hexagon plain nuts (13). Install flat washer (14) onto headless grooved pin (15). Install headless grooved pin (15) with flat washer (14) and headless straight pin (16), and secure with two wicks (17).

4 Install three quick release pins (18, 19, and 20).

5 Place ammunition bracket (21) on machine gun cradle (10) and secure with four new lockwashers (22) and four hexagon head screws (23).

6 Clamp machine gun cradle (10) in vise with headless grooved pin (15) facing to the front.



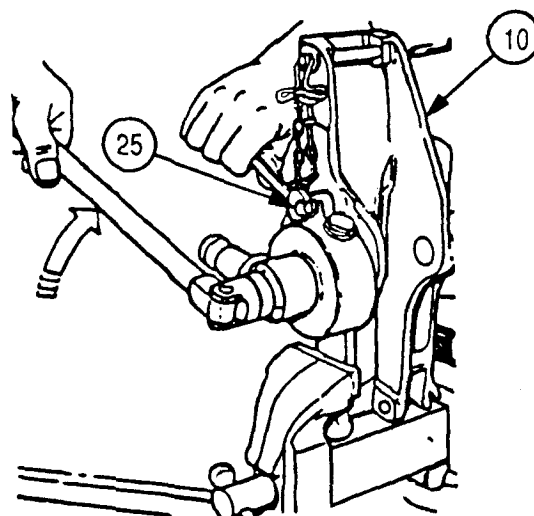


- 7 Install torsion spiral spring (24) into case (25). Align hole in spring end with equilibrator stud hole in case. Secure with new lockwasher (26) and equilibrator stud (27).
- 8 Align torsion spiral spring (24) tang with slot on headless grooved pin (15) and install torsion helical spring (24) and case (25) on headless grooved pin (15).

WARNING

To avoid injury to your eyes, use care when removing and installing spring-loaded parts.

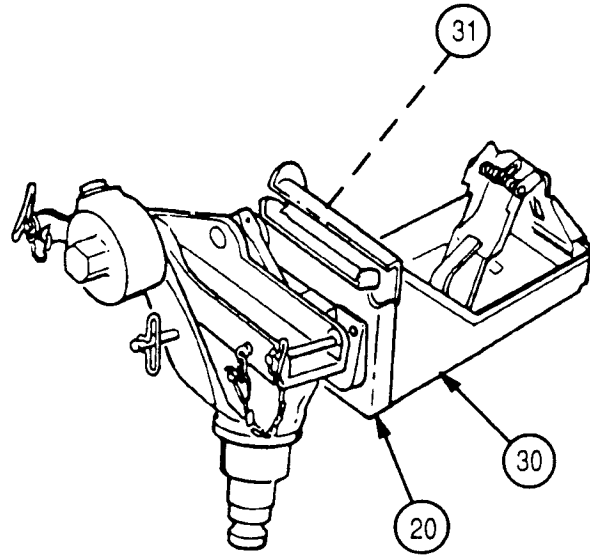
- 9 Place socket and drive socket handle on case (25) and apply pressure to case until adjusting holes in case and machine gun cradle (10) align.



11-2. 6650 .50 CAL MACHINE GUN MOUNT—MAINTENANCE INSTRUCTIONS (cont)

REASSEMBLY (cont)

- 10 Place ammunition box (30) on ammunition bracket (20) and lock cam (31).



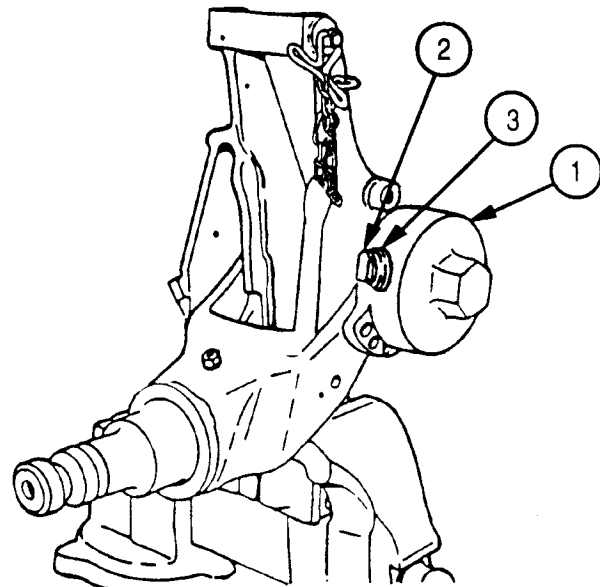
ADJUSTMENT

- 1 Install a caliber .50 machine gun on the gun mount as outlined in paragraph 2-2.
- 2 Place a full box of dummy ammunition into the ammunition box tray.

CAUTION

Do not load the ammunition into the machine gun.

- 3 The equilibrator should retain the machine gun in a horizontal position when the travel locks are disconnected.
- 4 The equilibrator spring should function to counterbalance the weight of the machine gun and ammunition.



- 5 Adjustment is made by placing socket on hexagon portion of case (1), holding the case to the machine gun cradle. Remove hexagon head capscrew (2) and lockwasher (3) from the adjusting hole on the side of the case. Using socket wrench, rotate case in the required direction until the machine gun is horizontal.
- 6 Install lockwasher (3) and hexagon head capscrew (2) into adjusting hole of case (1) and tighten.

CHAPTER 12

M548 MACHINE GUN MOUNT

Section I. UNIT MAINTENANCE INSTRUCTIONS

12-1. M548 MACHINE GUN MOUNT ATTACHING HARDWARE—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

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

INITIAL SETUP

Tools and Special Tools
Small Arms Repairman Tool Kit (item 2, appx B)

DISASSEMBLY

- 1 If damaged, remove mounting hardware used to secure gun mount legs to hull.
- 2 If damaged, remove webbing straps.

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 If removed, install webbing straps.
- 2 If removed, install mounting hardware used to secure gun mount legs to hull.

Section II. DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

12-2. M548 MACHINE GUN MOUNT LEGS AND ATTACHING HARDWARE—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

a. Disassembly

b. Inspection/Repair

c. Reassembly

INITIAL SETUP

Tools and Special Tools

Lifting Device

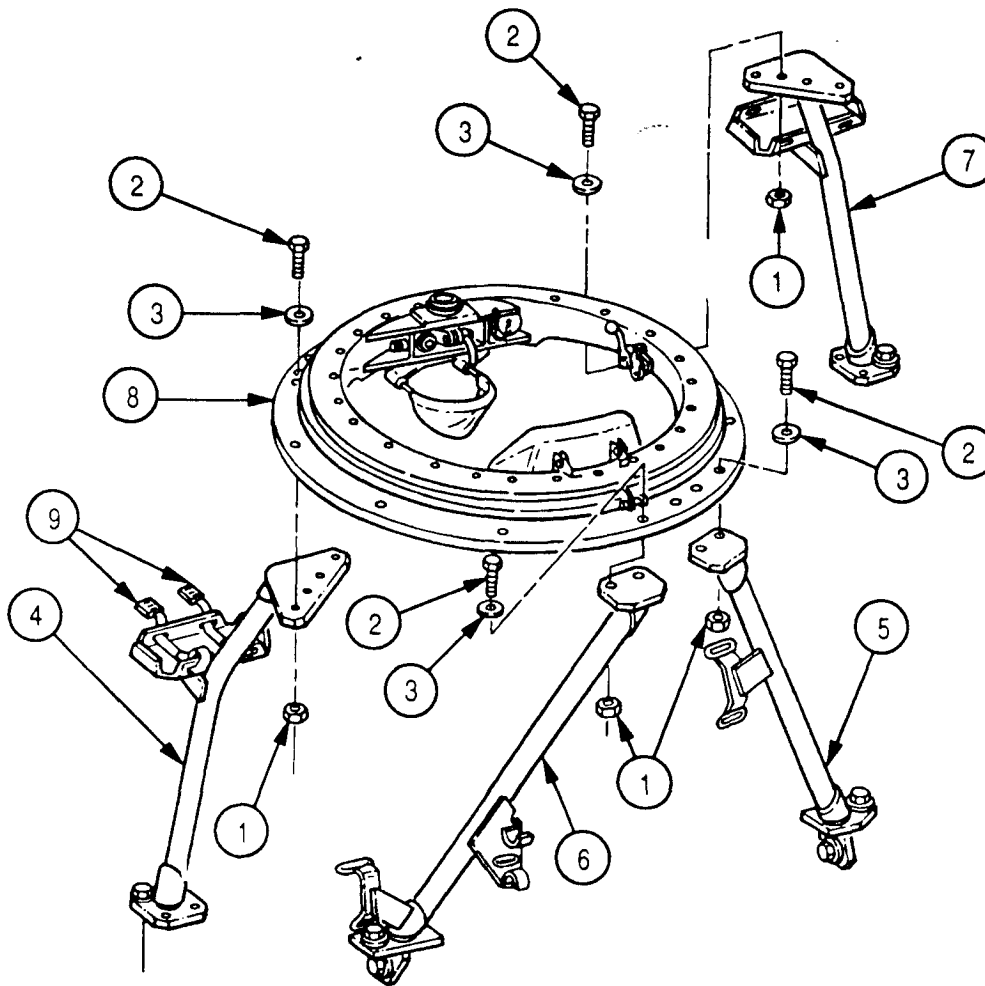
Sling (4-point)

Small Arms Repairman Tool Kit (item 2, appx B)

Small Arms Shop Set (item 1, appx B)

Materials/Parts

Self-locking nut (12) (MS21044-N8)



DISASSEMBLY

- 1 Remove 12 self-locking nuts (1), 12 hexagon head capscrews (2), 12 flat washers (3), and 4 gun mount legs (4, 5, 6, and 7) from M66 machine gun mount ring. Discard self-locking nuts.
- 2 If damaged, remove mounting hardware used to secure gun mount legs to hull.
- 3 If damaged, remove webbing straps (9).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 M66 machine gun mount ring is a repairable assembly. Refer to paragraph 8-1.
- 3 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 *If removed, install webbing straps (9).*
- 2 *If removed, install mounting hardware used to secure gun mount legs to hull.*
- 3 Place 4 gun mount legs (4, 5, 6, and 7) on M66 machine gun mount ring (8) and secure with 12 flat washers (3), 12 hexagon head capscrews (2), and 12 new self-locking nuts (1).

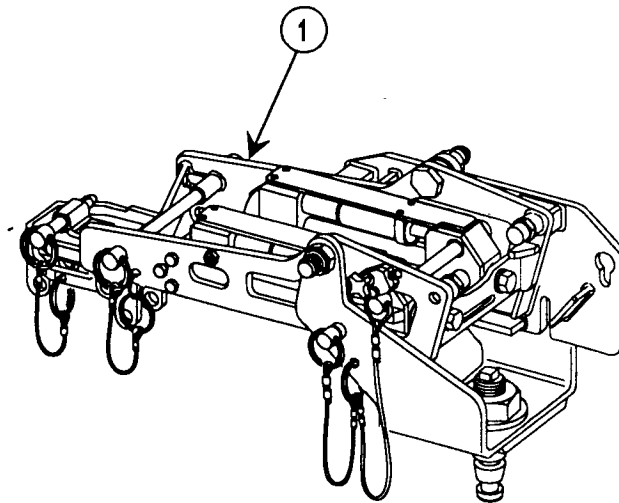
CHAPTER 13

MK93 MOD 0 MACHINE GUN MOUNT (U. S. MARINE CORPS ONLY)

13-1. MK93 MOD 0 MACHINE GUN MOUNT—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

Repair



REPAIR

If MK93 Mod 0 machine gun mount (1) is damaged or broken, refer to Chapter 14 for maintenance.

CHAPTER 14

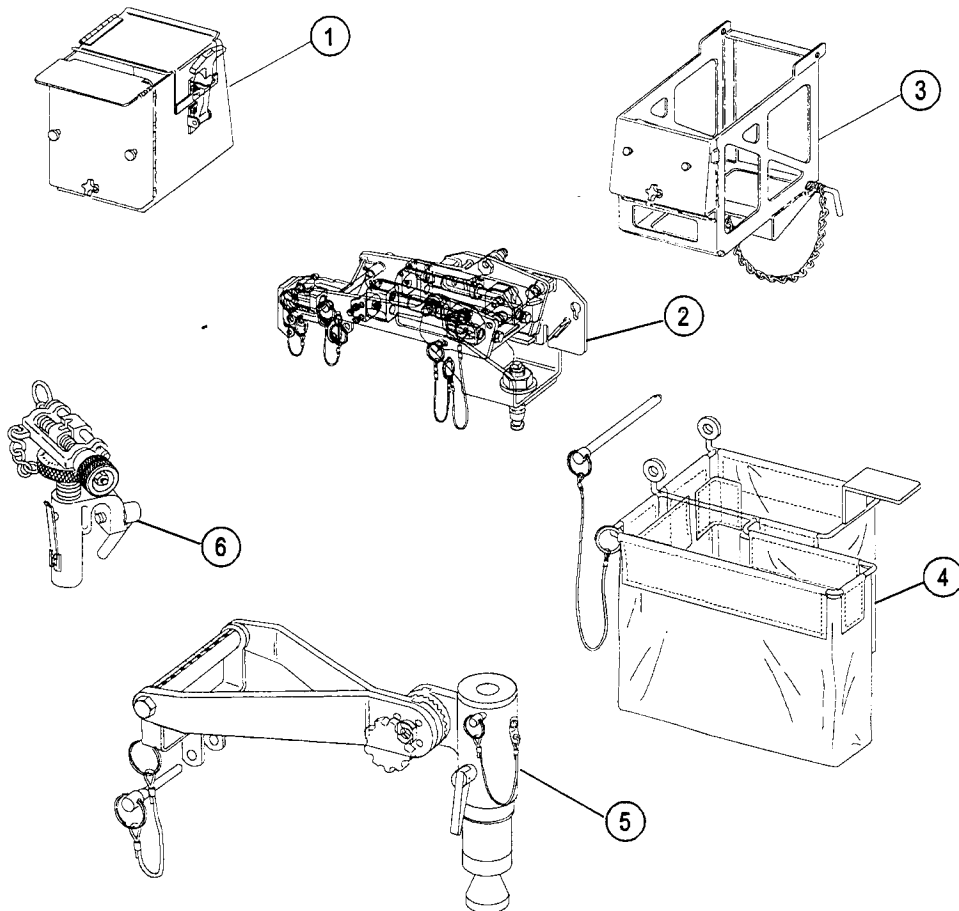
MK93 MOD 1 MACHINE GUN MOUNT

SECTION I. UNIT MAINTENANCE INSTRUCTIONS

14-1. MK93 MOD 1 MACHINE GUN MOUNT—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

Repair



REPAIR

The MK93 MOD 1 machine gun mount consists of .50 caliber ammo holder assembly (1), MK93 MOD 0 machine gun mount (2), mounting bracket (3), catch bag assembly (4), universal pintle adapter (5), traverse and elevation mechanism (6). Repair of individual components is contained in Chapter 14.

14-2. YOKE ASSEMBLY AND CARRIAGE ASSEMBLY—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

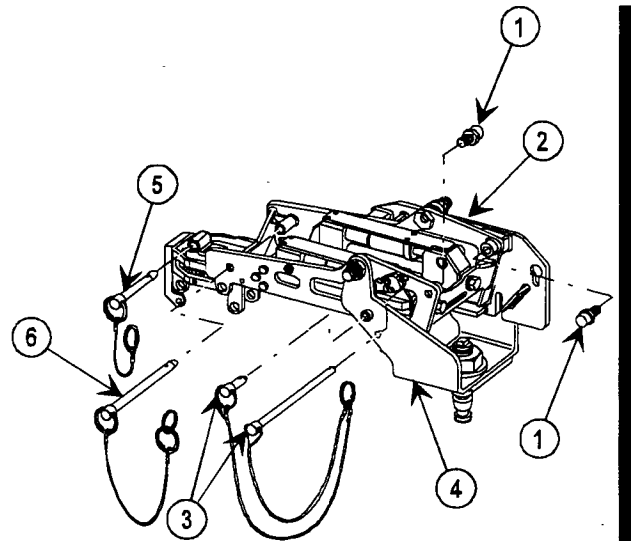
- a. Disassembly b. Inspection/Repair c. Reassembly

INITIAL SETUP

Tools and Special Tools
Small Arms Repairman Tool Kit
(item 2, appx B)

DISASSEMBLY

- 1 Remove two headless shoulder pins (1) from machine gun cradle (2).
- 2 By spreading ends of retaining ring, remove quick-release pin (3) from yoke (4).
- 3 By spreading ends of retaining rings, remove quick-release pin assembly (5) and quick-release pin assembly (6) from machine gun cradle (2).



INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 For further disassembly of yoke assembly and carriage assembly notify direct support maintenance.
- 3 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 Install quick-release pin assembly (6) and quick-release pin assembly (5) in machine gun cradle (2).
- 2 Install quick-release pin (3) in yoke (4).
- 3 Install two headless shoulder pins (1) in machine gun cradle (2).

14-3. .50 CALIBER AMMO HOLDER ASSEMBLY—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:
a. Disassembly b. Inspection/Repair c. Reassembly
INITIAL SETUP
Tools and Special Tools Small Arms Repairman Tool Kit (item 2, appx B)
Materials/Parts Self-locking nut (4) (MS21044C3)

DISASSEMBLY

NOTE

Top bracket is a component of clamping catch and cannot be ordered separately. Take care not to lose or damage this item.

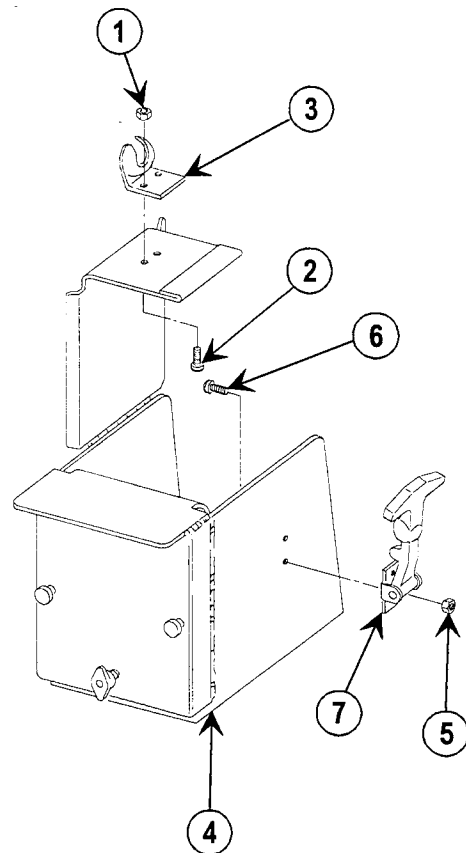
- 1 Remove two self-locking nuts (1), two machine screws (2), and top bracket (3) from ammo can holder (4). Discard self-locking nuts.
- 2 Remove two self-locking nuts (5), two machine screws (6), and clamping catch (7) from ammo can holder (4). Discard self-locking nuts.

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 If ammo can holder is broken or damaged, repair is by replacement of next higher assembly.
- 3 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 Install clamping catch (7) on ammo can holder (4) with two machine screws (6) and two new self locking nuts (5).
- 2 Install top bracket (3) on ammo can holder (4) with two machine screws (2) and two new self-locking nuts (1).



14-4. MOUNTING BRACKET—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

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

INITIAL SETUP

Tools and Special Tools
Small Arms Repairman Tool Kit
(item 2, appx B)

DISASSEMBLY

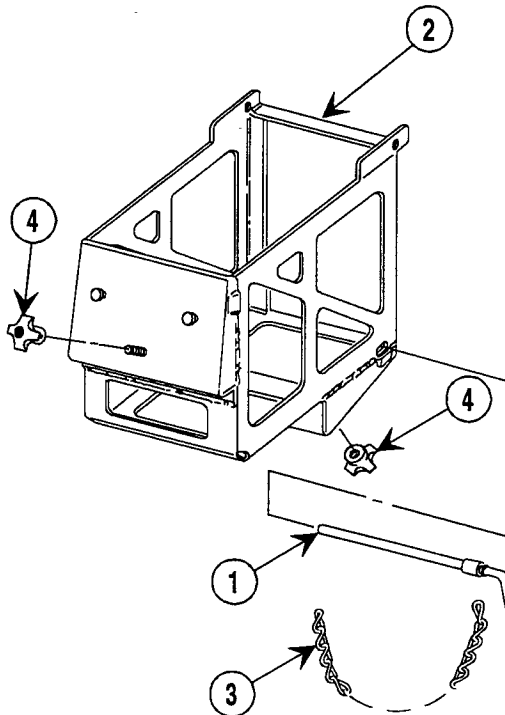
- 1 Pull headed shoulder pin (1) from weldment bracket (2).
- 2 Spread ends of S-hooks and remove chain assembly (3) from headed shoulder pin (1) and weldment bracket (2).
- 3 Remove two handknobs (4).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 If weldment bracket is broken or damaged, repair is by replacement of next higher assembly
- 3 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 Install two handknobs (4) on weldment bracket (2).
- 2 Install chain assembly (3) on weldment bracket (2) and headed shoulder pin (1).
- 3 Install headed shoulder pin (1) in weldment bracket (2).



14-5. CATCH BAG ASSEMBLY—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS: a. Disassembly b. Inspection/Repair c. Reassembly
INITIAL SETUP Tools and Special Tools Small Arms Repairman Tool Kit (item 2, appx B)

DISASSEMBLY

NOTE

When disassembling catch bag, pull Velcro seal away from catch bag frame.

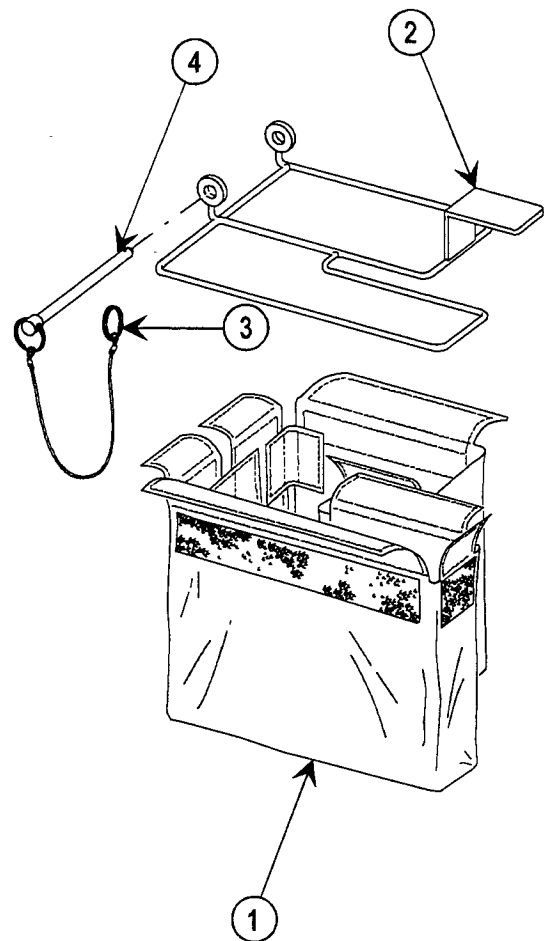
- 1 Open Velcro seals and remove catch bag (1) from catch bag frame (2).
- 2 Spread ends of retaining-ring (3) and remove quick-release pin (4) from catch bag frame (2).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 If catch bag frame is broken or damaged, repair is by replacement of next higher assembly
- 3 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 Spread ends of retaining ring (3) and install quick-release pin (4) on catch bag frame (2).
- 2 Install casings bag (1), with Velcro unsealed, onto catch bag frame (2). Close Velcro seals.



14-6. UNIVERSAL PINTLE ADAPTER—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

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

INITIAL SETUP

Tools and Special Tools
Small Arms Repairman Tool Kit
(item 2, appx B)

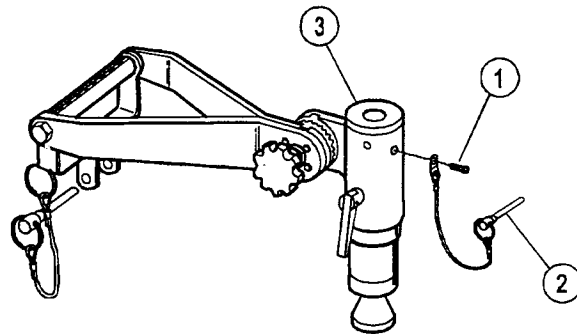
Materials/Parts
Loctite (MIL-S-22473)

DISASSEMBLY

Remove machine screw (1) and quick-release pin assembly (2) from body (3).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Repair is by replacement of authorized parts (appx C).



REASSEMBLY

Apply loctite to machine screw (1). Install quick release pin assembly (2) on body (3) and secure with machine screw.

Section II. DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

14-7. MK93 MOD 0 MACHINE GUN MOUNT AND YOKE ASSEMBLY—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:
a. Disassembly b. Inspection/Repair c. Reassembly
INITIAL SETUP Tools and Special Tools Small Arms Repairman Tool Kit (item 2, appx B) Small Arms Shop Set (item 1, appx B) Materials/Parts Self-locking nut (2) (MS21083C10) Self-locking nut (MS21083-C16) Equipment Conditions 14-2 Yoke assembly and carriage assembly partially disassembled

DISASSEMBLY

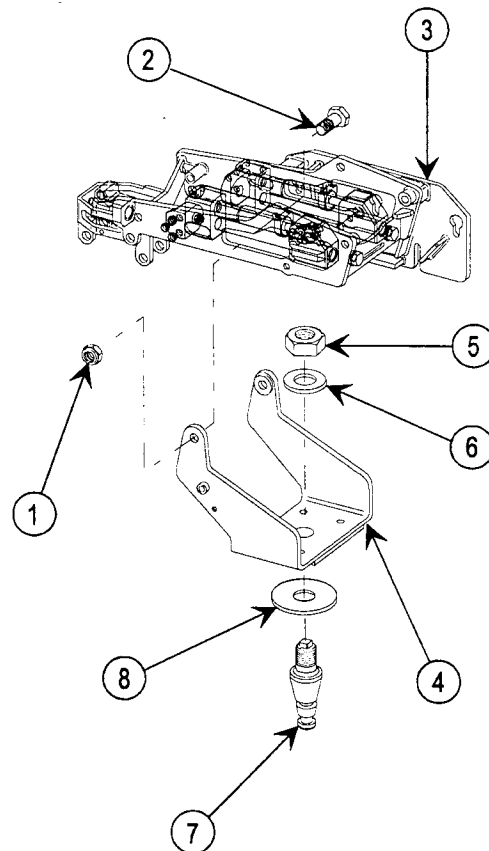
- 1 Remove and discard two self-locking nuts (1). Remove two machine bolts (2) and carriage assembly (3) from yoke (4).
- 2 Remove self-locking nut (5), flat washer (6), mount pintle (7), and flat washer (8) from yoke (4). Discard self-locking nut.

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Carriage assembly is a repairable assembly. Refer to paragraph 14-8.
- 3 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

- 1 Install flat washer (8), mount pintle (7), and flat washer (6) on yoke (4). Secure with new self-locking nut (5).
- 2 Install carriage assembly (3) on yoke (4). Install two machine screws (2) and secure with two new self-locking nuts (1).



14-8. CARRIAGE ASSEMBLY AND DEPRESSION STOP ASSEMBLY—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

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

INITIAL SETUP

Tools and Special Tools

- Small Arms Repairman Tool Kit (item 2, appx B)
Small Arms Shop Set (item 1, appx B)

Materials/Parts

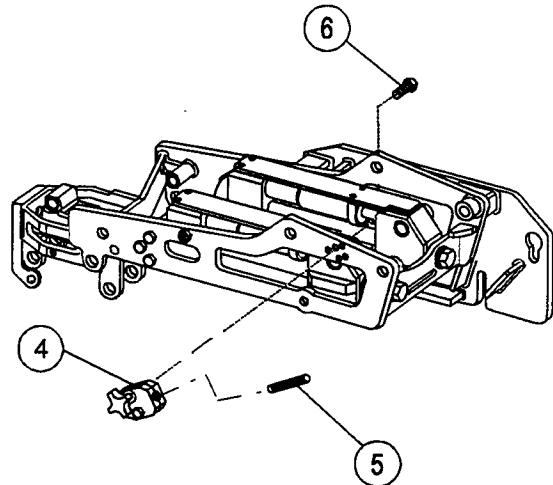
- Loctite (MIL-S-22473)

Equipment Conditions

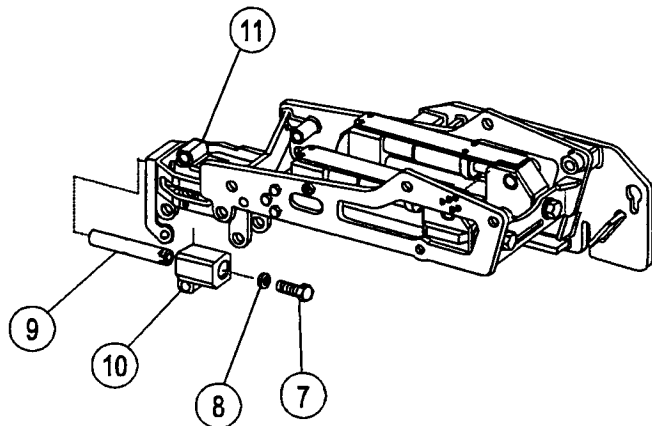
- 14-7 Carriage assembly removed

DISASSEMBLY

- 1 Remove three hexagon capscrews (6) and remove depression stop assembly (4). Remove continuous stud (5) from depression stop assembly (4).



- 2 With an open end wrench hold straight shaft (9) by placing the wrench on wrench flats of straight shaft. Remove hexagon capscrew (7) and flat washer (8) from straight shaft (9). While supporting rear slider assembly (10) with one hand, pull straight shaft out through rear brace support (11).

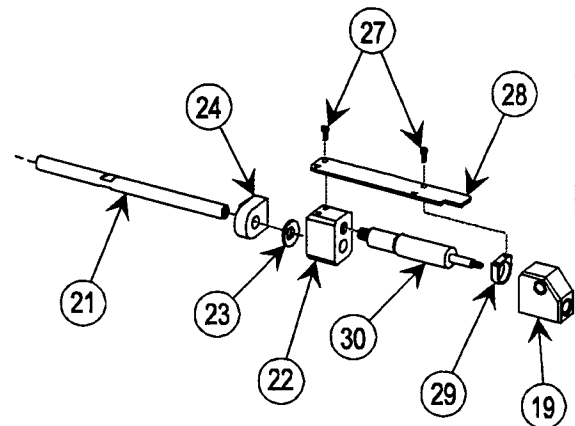
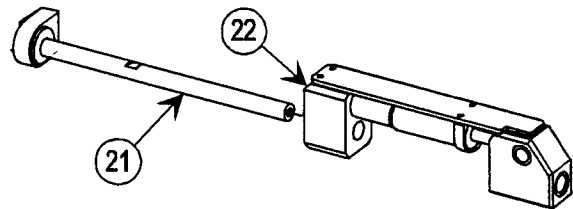
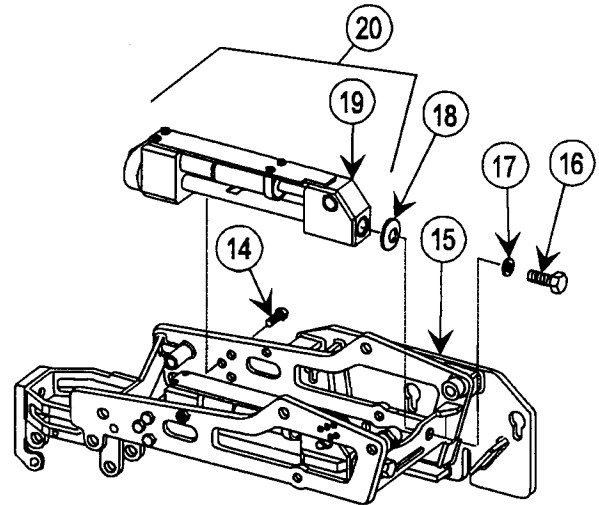


NOTE

Before removing the shock absorber assemblies from the machine gun cradle, note that the concave side of the two spring tension washers (18) face the slide assemblies. Also note the notched cutout on the link deflectors (28) and its position to the inside and front of the machine gun cradle when configured for the M2.

Steps 3 thru 6 are written and illustrated for one shock absorber assembly but apply to both.

- 3 Remove three machine bolts (14) from side of machine gun cradle (15). With an open end wrench hold straight shaft (21) by placing the wrench on wrench flats of straight shaft. Remove hexagon capscrew (16) and flat washer (17). Remove spring tension washer (18), which is between front slide assembly (19) and machine gun cradle. Remove shock absorber assembly (20).
- 4 Pull straight shaft (21) out through shock absorber mounting bracket (22).
- 5 Remove four machine screws (27) and link deflector (28) from shock absorber mounting bracket (22) and mount deflector (29). Unscrew front slide assembly (19) from shock absorber (30) and remove mount deflector. Unscrew shock absorber mounting bracket from shock absorber.



14-8. CARRIAGE ASSEMBLY AND DEPRESSION STOP ASSEMBLY—MAINTENANCE
INSTRUCTIONS (cont)

DISASSEMBLY (cont)

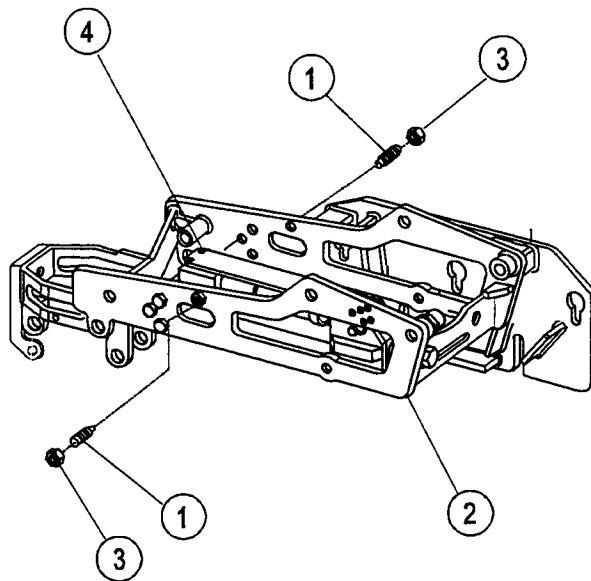
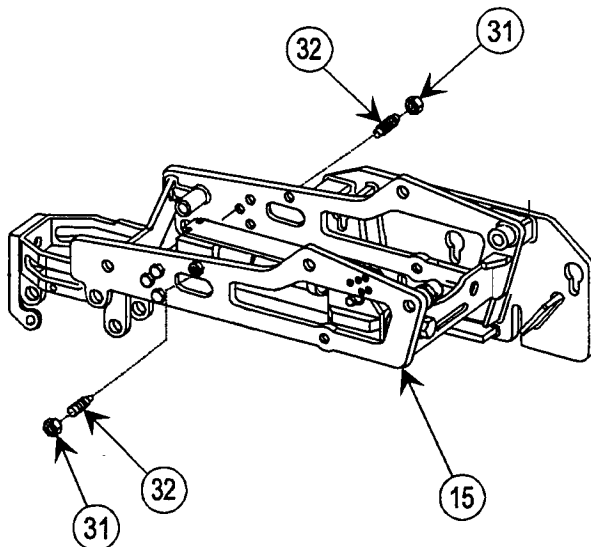
- 6 Remove two hexagon plain nuts (31) from two setscrews (32). Remove setscrews from machine gun cradle (15).

INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

1. Adjustment of shock absorber stops:
 - a. Rotate shock absorber assemblies (4) to the up position, and install quick release pin from yoke assembly (not shown).
 - b. Install two setscrews (1) into machine gun cradle (2) until setscrews contact shock absorber surface.
 - c. Install two hexagon plain nuts (3) on setscrews. Ensure nuts are flush with setscrews.
 - d. Back off setscrews between 1/4 and 1/2 turn, and tighten nuts clockwise to lock in place.

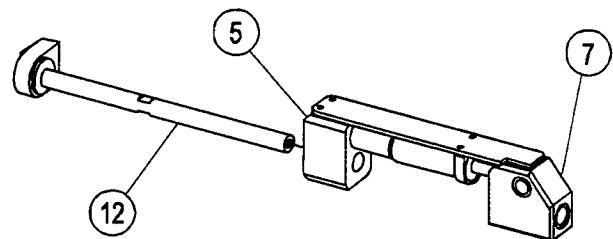
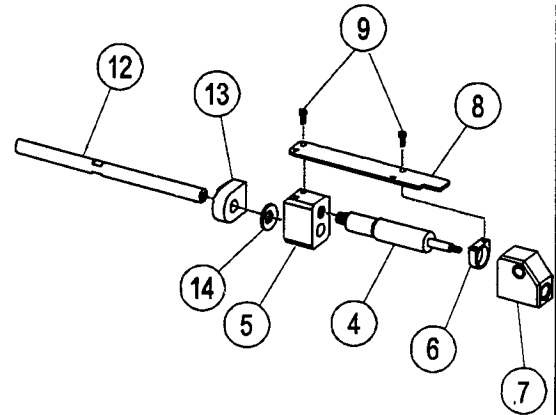


NOTE

When installing the shock absorber assemblies in the machine gun cradle, ensure the concave side of the two spring tension washers face the front slide assemblies. Also ensure the notched cutout on the link deflectors is positioned to the inside and front of the machine gun cradle when configured for the M2.

Steps 2 thru 6 are written and illustrated for one shock absorber assembly but apply to both.

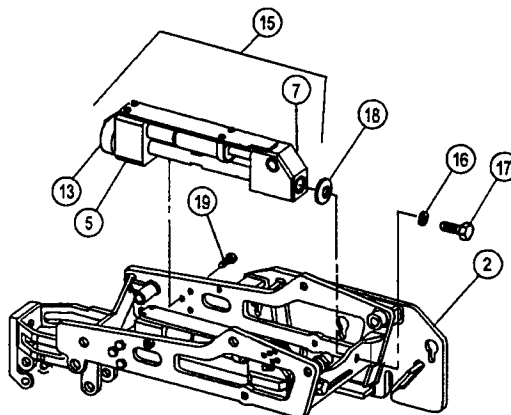
- 2 Screw shock absorber (4) on shock absorber mounting bracket (5). Install mount deflector (6) on shock absorber. Screw shock absorber into front slide assembly (7). Install link deflector (8). Apply Loctite to four machine screws (9) and install screws in shock absorber mounting bracket and mount deflector.
- 3 Slide mounting bracket (13) and spring tension washer (14) onto straight shaft (12).
- 4 Install straight shaft (12) with assembled parts through rear of shock absorber mounting bracket (5) and front slide assembly (7).



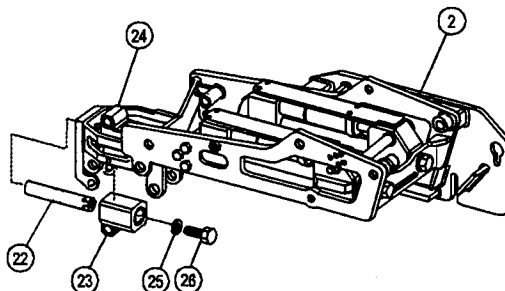
14-8. CARRIAGE ASSEMBLY AND DEPRESSION STOP ASSEMBLY—MAINTENANCE INSTRUCTIONS (cont)

REASSEMBLY (cont)

- 5 Install shock absorber assembly (15) into machine gun cradle (2).
- 6 Install flat washer (16) on hexagon capscrew (17). Install hexagon capscrew through front of machine gun cradle (2). Install spring tension washer (18) on hexagon capscrew and screw hexagon capscrew into front slide assembly (7). Ensure shock absorber mounting bracket (5) is properly positioned before tightening. With an open end wrench, hold straight shaft by placing wrench on wrench flats of the straight shaft and tighten capscrew (17). Apply loctite to three machine bolts (19) and install machine bolts through side of machine gun cradle and into mounting bracket (13).



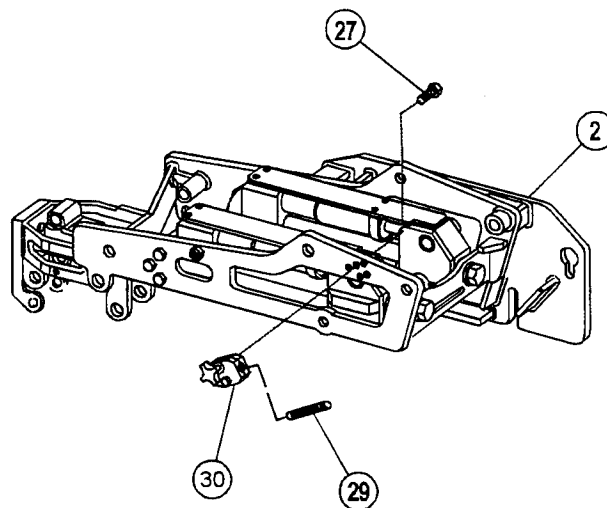
- 7 Install rear slider assembly (23) in machine gun cradle (2) with the mounting hole down and to the rear. Support rear slider assembly with one hand while installing straight shaft through rear brace support (24) and rear slider assembly. Install flat washer (25) and hexagon capscrew (26) on straight shaft (22). With an open end wrench, hold straight shaft (22) by placing wrench on wrench flats of the straight shaft and tighten capscrew (26).



NOTE

Slotted end of continuous stud should point down and toward rear of machine gun cradle.

- 8 Apply loctite to three hexagon capscrews (27). Install hexagon capscrews from inside of machine gun cradle (2) in depression stop assembly (30) on outside of cradle. Insert continuous stud (29) into depression stop assembly (30) and secure.



NOTE

Do not disassemble depression stop assembly beyond removal of the continuous stud.

14-9. UNIVERSAL PINTLE ADAPTER, TRAVERSE ARM ASSEMBLY, AND UNIVERSAL PINTLE ADAPTER BODY ASSEMBLY—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS: a. Disassembly b. Inspection/Repair c. Reassembly

INITIAL SETUP

Tools and Special Tools

Small Arms Repairman Tool Kit (item 2, appx B)

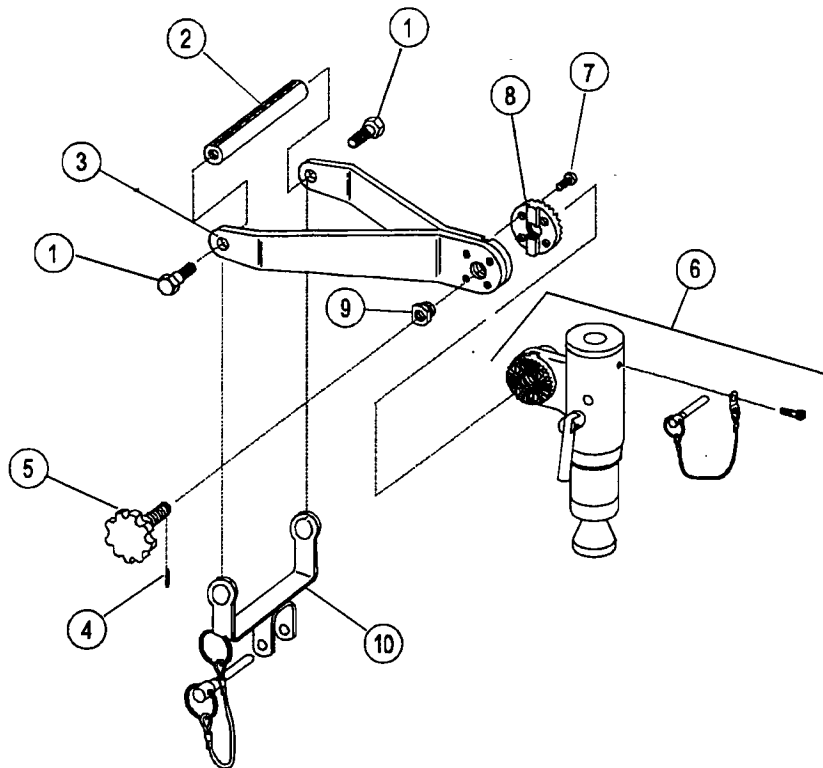
Small Arms Shop Set (item 1, appx B)

Materials/Parts

Spring pin (MS16562-223)

Equipment Conditions

14-6 Universal pintle adapter partially disassembled



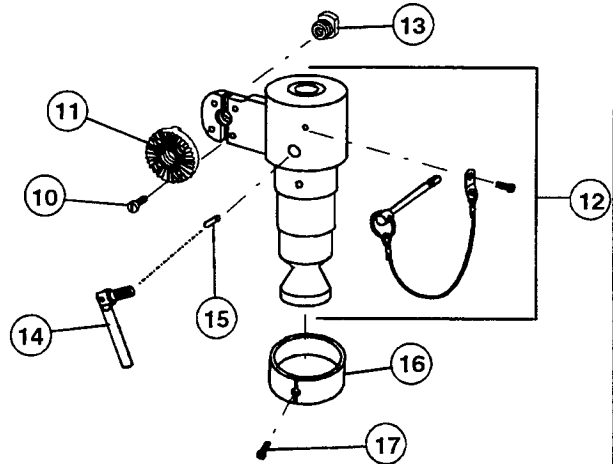
DISASSEMBLY

- 1 Remove two shoulder bolts (1) and azimuth indicator (2) and travel lock (10) from adjustable arm (3).
- 2 Remove spring pin (4) from thumbscrew (5). Remove thumbscrew and adjustable arm (3) with assembled parts from universal pintle adapter assembly (6).
- 3 Remove four machine screws (7) and retaining plate (8) from adjustable arm (3).
- 4 Remove sleeve bushing (9) from adjustable arm (3).

14-9. UNIVERSAL PINTLE ADAPTER, TRAVERSE ARM ASSEMBLY, AND UNIVERSAL PINTLE ADAPTER BODY ASSEMBLY—MAINTENANCE INSTRUCTIONS (cont)

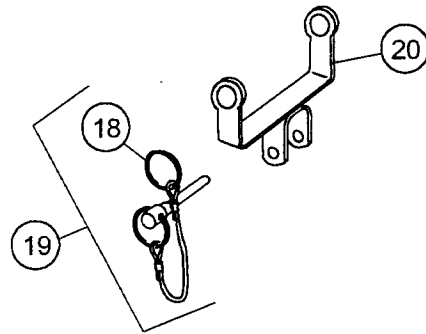
DISASSEMBLY (cont)

- 5 Remove four machine screws (10) and retaining plate (11) from body (12).
- 6 Remove sleeve bushing (13) from body (12).
- 7 Unscrew locking handle (14) from body (12) and remove pawl (15).
- 8 Remove retainer screw (17) and split sleeve (16).
- 9 Spread end of retaining ring (18) and remove quick release pin and cable assembly (19) from travel lock (20).



INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 If body is broken or damaged, repair is by replacement of next higher assembly.
- 3 Repair is by replacement of authorized parts (appx C).



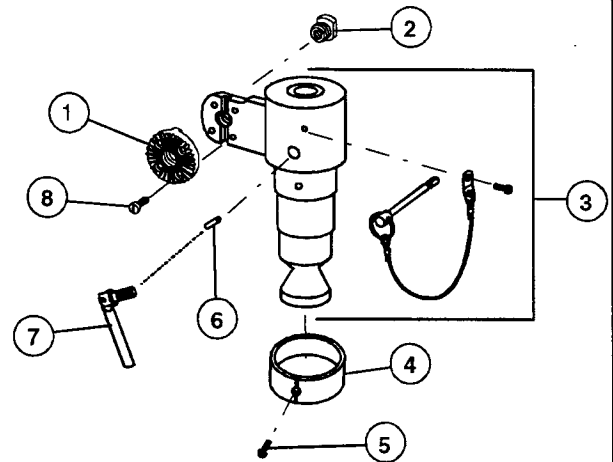
REASSEMBLY

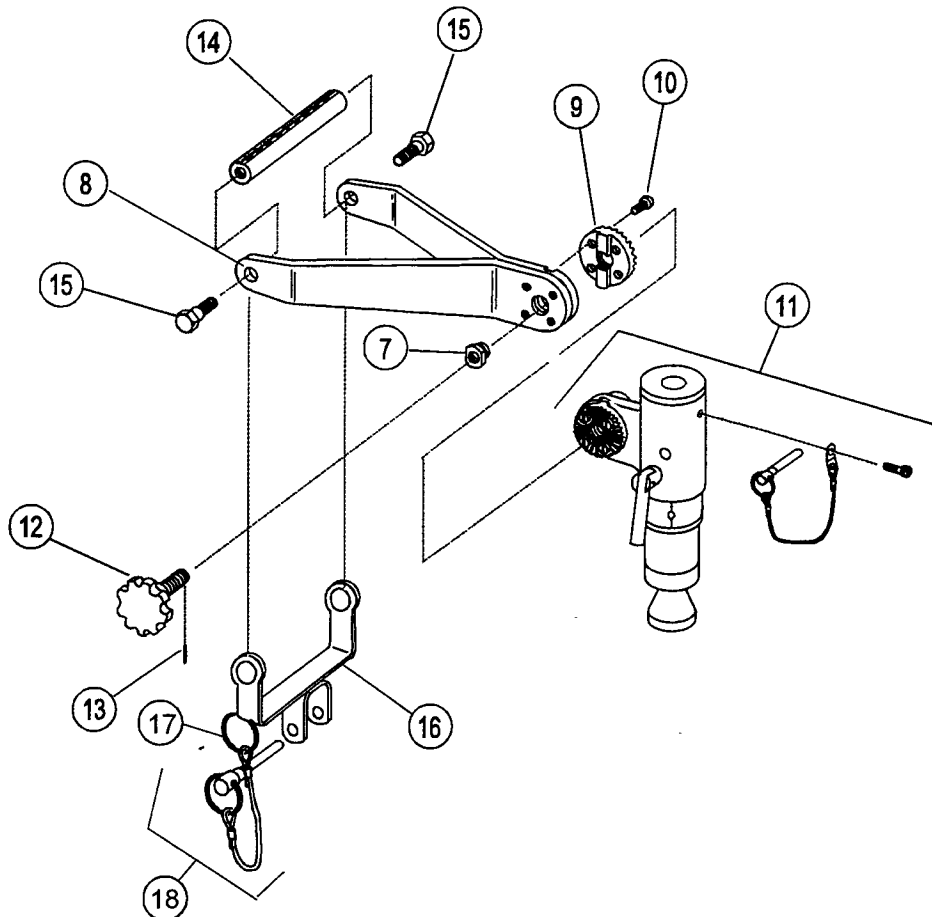
- 1 Install split sleeve (4) and retaining screw (5).

NOTE

Do not over tighten locking handle when the universal pintle adapter is not installed on mount as the pawl will spread the split ring out of round.

- 2 Install pawl (6) and screw locking handle (7) into body (3).
- 3 Install sleeve bushing (2) into body (3).
- 4 Install retaining plate (1) with inscribed markings and single white dot facing away from arm of body (3). Apply loctite and secure with four machine screws (8).





- 5 Install sleeve bushing (7) into adjustable arm (8).
- 6 Install retaining plate (9) with inscribed markings and white dot facing the traverse bar (14). Secure with four machine screws (10).
- 7 Install adjustable arm (8), with white dots on retaining plates aligned, on body assembly (11).
- 8 Screw in thumbscrew (12) and install new spring pin (13), leaving equal lengths protruding.
- 9 Spread ends of retaining ring (17) and install quick release pin and cable assembly (18) to travel lock (16).
- 10 Install azimuth indicator (14) and travel lock (16) on adjustable arm (8) and secure with two shoulder bolts (15). Ensure the azimuth indicator markings face outward. Azimuth indicator will still rotate when fully tightened.

ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13-&P/1
AIR FORCE T.O. 11W2-8-1-322

14-10. ELEVATION MECHANISM—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

Repair

REPAIR

If elevation mechanism is damaged or broken, refer to paragraph 7-8 for repair.

CHAPTER 15

M6 MACHINE GUN PEDESTAL MOUNT

SECTION I. UNIT MAINTENANCE INSTRUCTIONS

15-1. M6 MACHINE GUN PEDESTAL MOUNT—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

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

INITIAL SETUP

Tools and Special Tools

Small Arms Repairman Tool Kit (item 2, appx B)

Materials/Parts

Washer Lock (13) (MS35338-48)
Olive drab enamel (item 3, appx E)
Self-locking nut (13) (MS51922-37)

Personnel Required

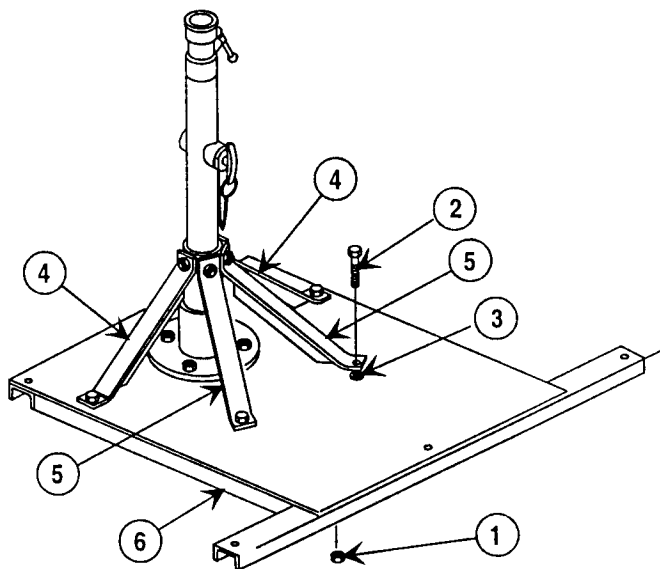
1

Equipment Conditions

2-4 d. M6 machine gun pedestal mount removed from HMMWV

DISASSEMBLY

- 1 Remove four self-locking nuts (1) and four hexagon head capscrews (2). Discard self-locking nuts (1).
- 2 Remove four lock washers (3) from between feet of pedestal gun mount braces (4) and (5) and mount weldment frame (6).

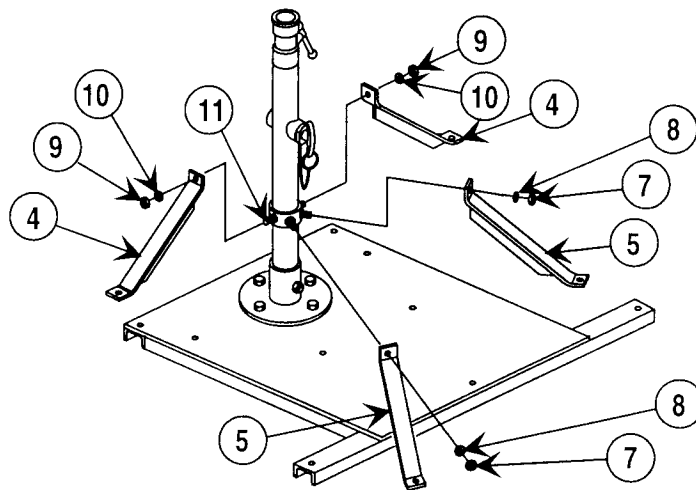


15-1. M6 MACHINE GUN PEDESTAL MOUNT—MAINTENANCE INSTRUCTIONS (cont)

DISASSEMBLY (cont)

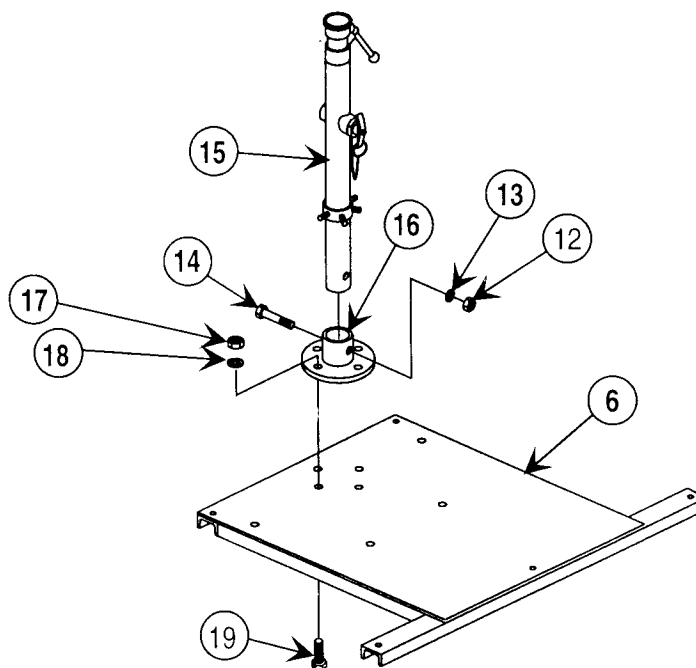
3 Remove two self-locking nuts (7), two lockwashers (8), and two pedestal gun mount braces (5). Discard self-locking nuts (7) and lockwashers (8).

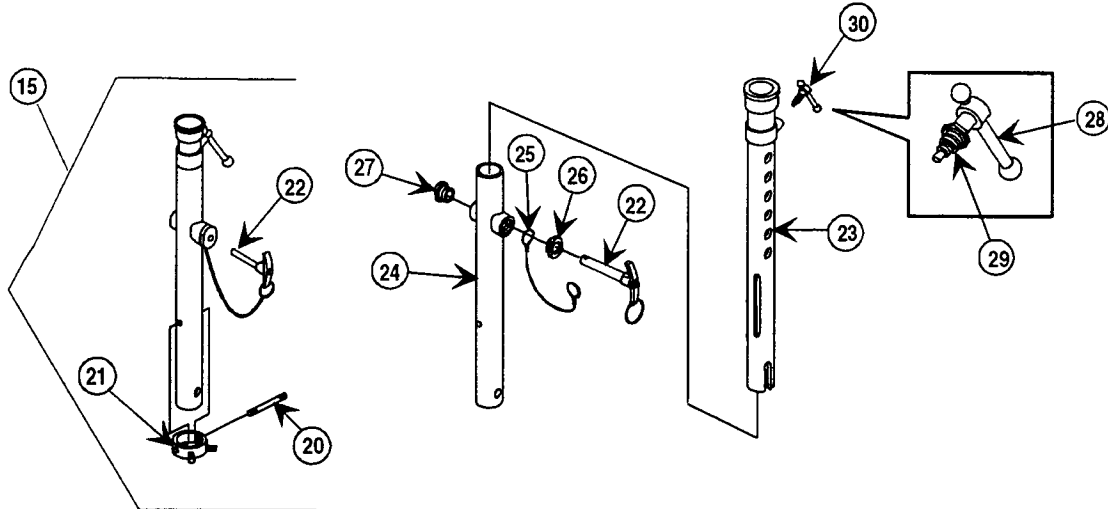
4 Remove two self-locking nuts (9), two lockwashers (10), and two pedestal gun mount braces (4) from straight threaded pin (11). Discard self-locking nuts (9) and lockwashers (10).



5 Remove self-locking nut (12), lockwasher (13), hex head screw (14), and telescoping tube assembly (15) from adapter and flange (16). Discard self-locking nut (12) and lockwasher (13).

6 Remove four self-locking nuts (17), four lockwashers (18), four hexagon head capscrews (19), and adapter and flange (16) from mount weldment frame (6). Discard self-locking nuts (17) and lockwashers (18).





- 7 Remove straight threaded pin (20), and retaining collar (21) from telescoping tube assembly (15).
- 8 Disengage quick release pin (22) from telescoping tube assembly (15).
- 9 Separate internal structural tube (23) from external structural tube (24)
- 10 Remove wire cord (25) from ring of quick release pin (22).
- 11 Remove threaded insert (26) from external structural tube (24). and separate wire cord (25) from threaded insert (26)
- 12 Remove threaded insert (27) from other side of external structural tube (24).
- 13 Fully unscrew handle assembly (28) until it stops in insert (29).
- 14 Holding handle assembly (28), unscrew externally threaded insert (29) and remove retaining clamp assembly (30) from internal structural tube (23).

INSPECTION/REPAIR

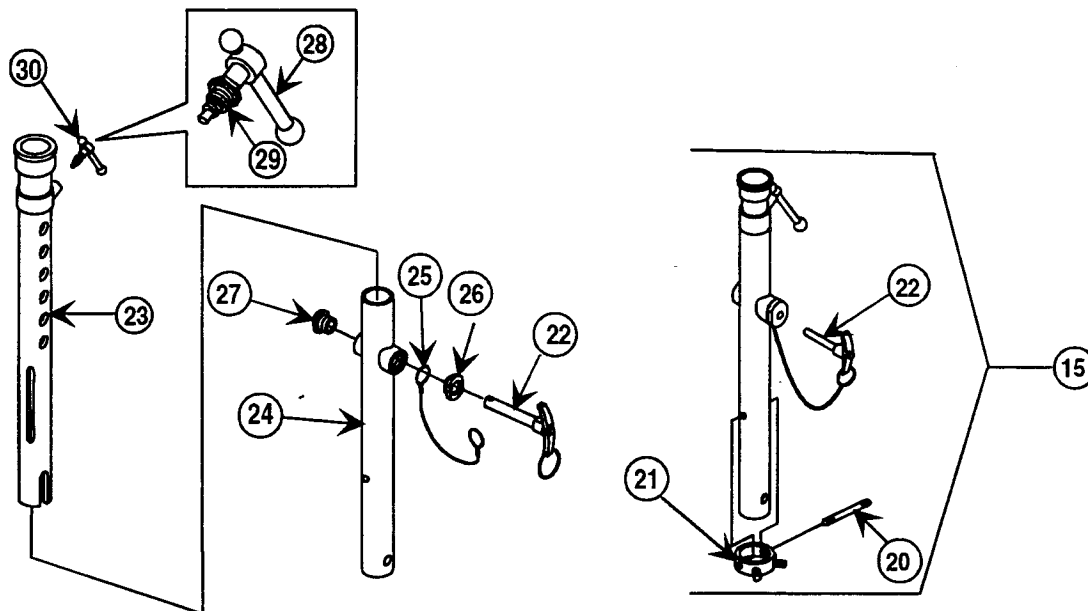
- 1 Inspect for broken, damaged, or missing parts.
- 2 If mount weldment frame (6) is broken or damaged, repair is by replacement of next higher assembly.
- 3 Touch up external bright metal surfaces with olive drab enamel paint (Item 3, appx E)
- 4 Repair is by replacement of authorized parts (appx C).

15-1. M6 MACHINE GUN PEDESTAL MOUNT—MAINTENANCE INSTRUCTIONS (cont)

REASSEMBLY

NOTE

The front of the external structural tube (24) is considered to be that side which faces you when the internal structural tube (23) is installed and the retaining clamp assembly (30) is on the right side.



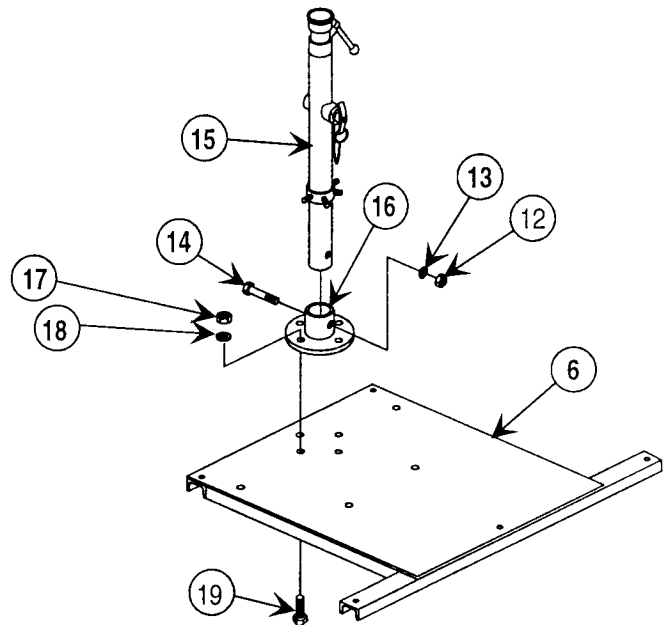
- 1 Fully screw in handle assembly (28) until it stops in threaded insert (29). Holding handle assembly (28), screw threaded insert (29) into internal structural tube (23) securing retaining clamp assembly (30).
- 2 Install threaded insert (27) in rear side of external structural tube (24).
- 3 Insert wire cord (25) on threaded insert (26) and install into front side of external structural tube (24).
- 4 Install ring of quick release pin (22) on wire cord (25).
- 5 If replaced, lubricate new internal structural tube (23) with general purpose lubricating oil (item 7, appx E) and install in external structural tube (24) with retaining clamp assembly (30) to the right.
- 6 Engage quick release pin (22) in telescoping tube assembly (15).
- 7 Install retaining collar (21) with threaded studs to the front, and straight threaded pin (20) in telescoping tube assembly (15).

- 8 Install adapter and flange (16) on mount weldment frame (6) using four hexagon head capscrews (19), four new lockwashers (18), and four new self-locking nuts (17).

NOTE

Do not over tighten hex head screw (14). If over tightened the internal structural tube will not freely move inside the external structural tube when raising or lowering.

- 9 Install telescoping tube assembly (15) into adapter and flange (16) and secure with hex head screw (14), new lockwasher (13), and new self-locking nut (12).

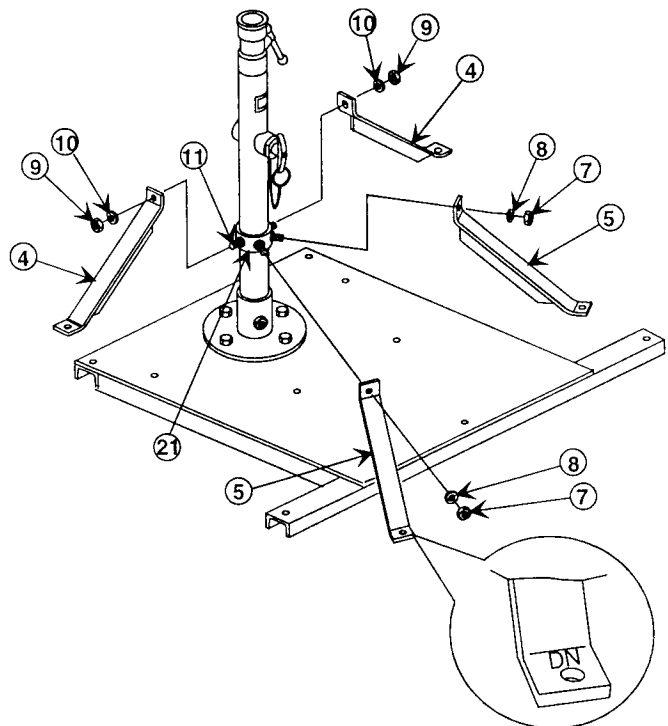


CAUTION

Pedestal gun mount braces have a top and bottom, and it is possible to install them wrong side up. Your pedestal gun mount braces are marked DN (down) to indicate the bottom end (or floor end). Make sure that each end of the pedestal gun mount braces are flush with the external structural tube and the mount weldment frame before any hardware is installed. Do not force hardware on if pedestal gun mount braces are not flush.

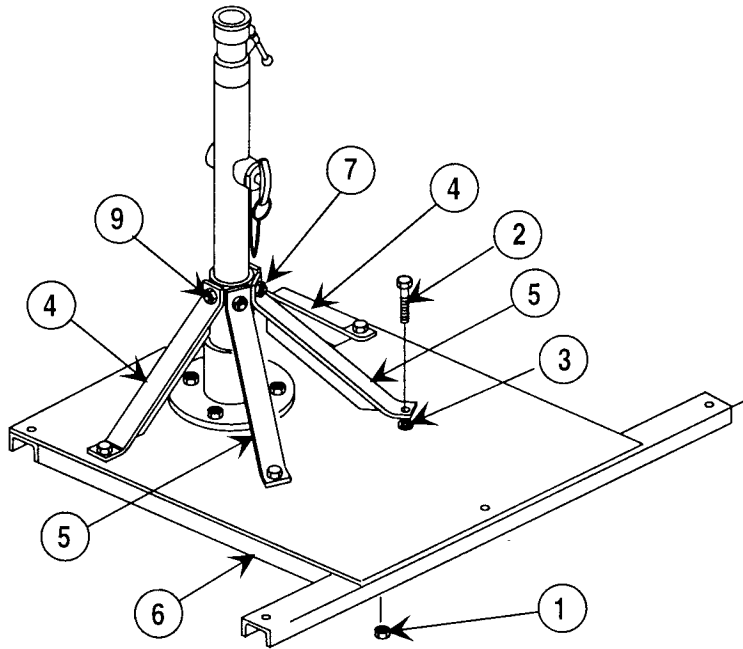
- 10 Position two pedestal gun mount braces (5) (with ends marked DN on the mount weldment frame) on retaining collar (21) and loosely install, two new lockwashers (8), and two new self-locking nuts (7).

- 11 Set two pedestal gun mount braces (4) (with ends marked DN on the mount weldment frame) in place on straight threaded pin (11) and loosely install, two new lockwashers (10), and two new self-locking nuts (9).



15-1. M6 MACHINE GUN PEDESTAL MOUNT—MAINTENANCE INSTRUCTIONS (cont)

REASSEMBLY (cont)



- 12 Install four lockwashers (3) between feet of pedestal gun mount braces (4) and (5) and mount weldment frame (6).
- 13 Install four hexagon head capscrews (2) and four new self-locking nuts (1).
- 14 Securely tighten self-locking nuts (1), (7), and (9).

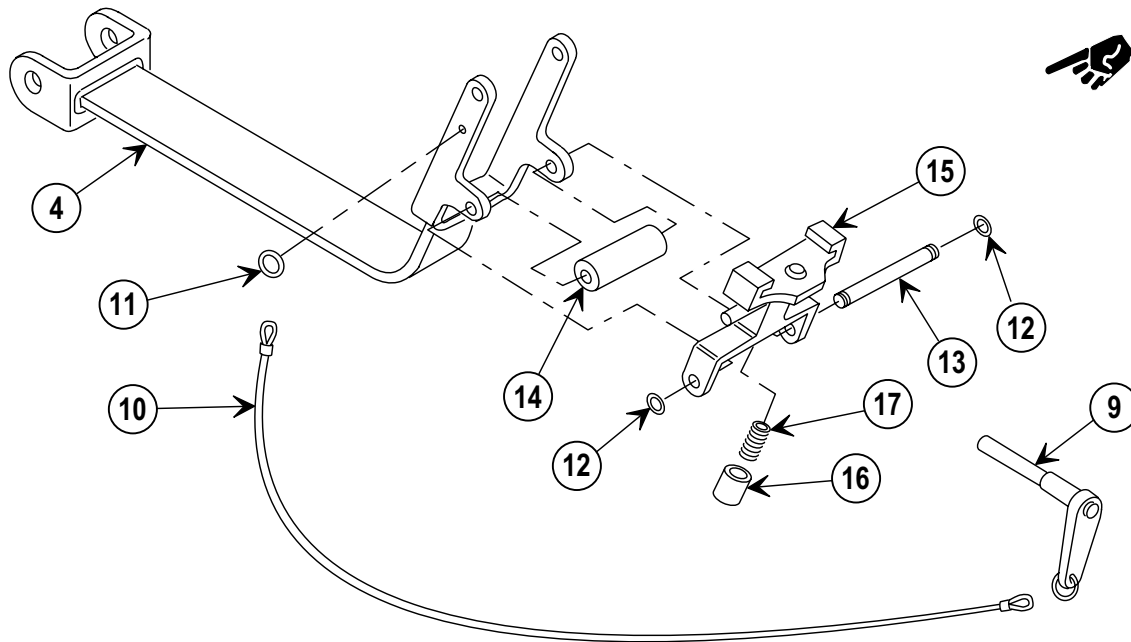
SECTION II. DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

15-2. M6 MACHINE GUN PEDESTAL MOUNT—MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

There are no direct support repair procedures. For maintenance repair refer to unit maintenance procedures, paragraph 15-1.

16-1. M197 MACHINE GUN MOUNT-MAINTENANCE INSTRUCTIONS (cont)
DISASSEMBLY (cont)

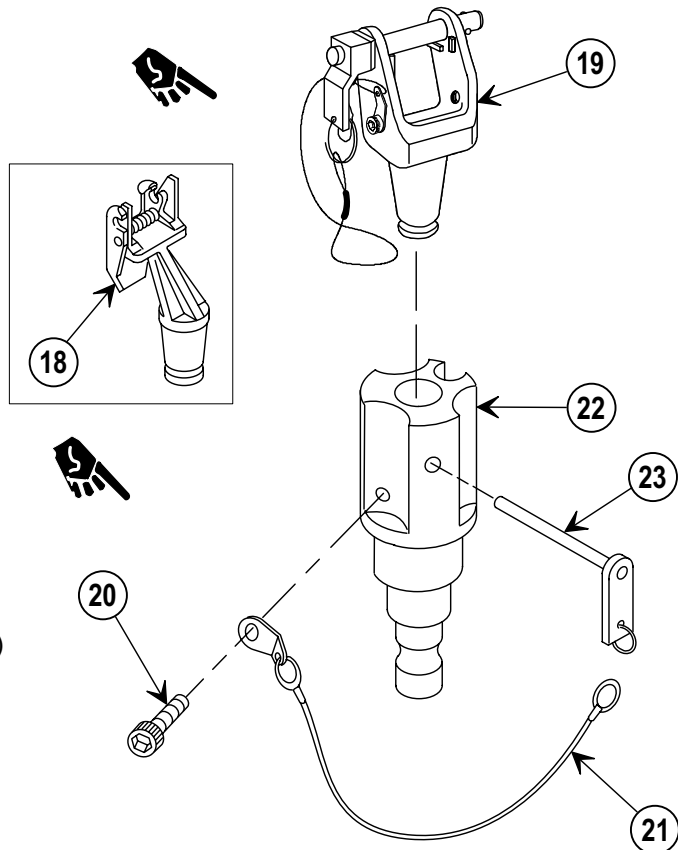


- 3 Remove quick release pin (9) from cable assembly (10).
- 4 Separate cable assembly (10) from retaining ring (11).
- 5 Remove retaining ring (11) from travel lock bracket (4).

NOTE

Items 12-18 apply only when mounting an M60 and are located in the Additional Authorization List (AAL), appendix F.

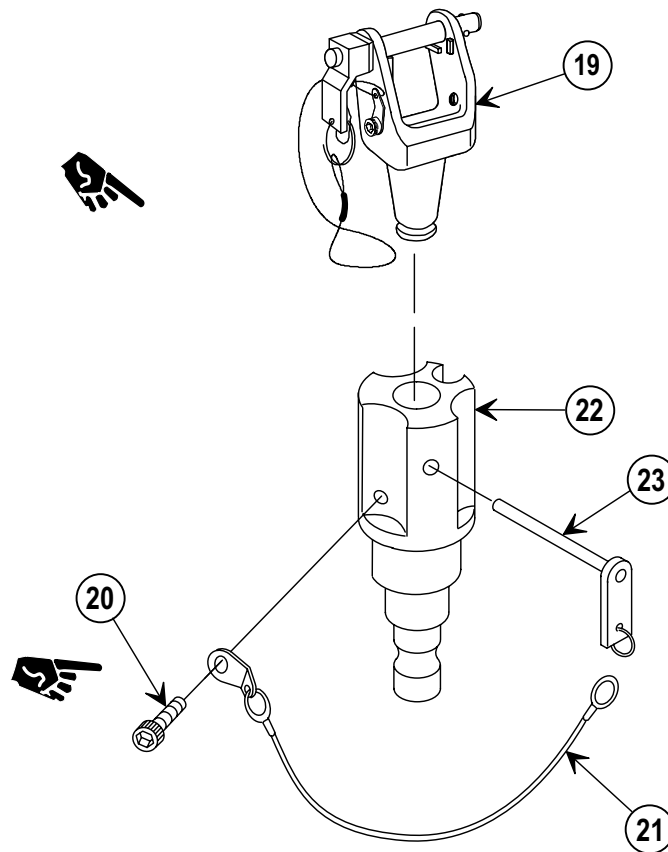
- 6 Remove two retaining clips (12) and headless grooved pin (13) and separate sleeve spacer (14), and travel lock adapter assembly (15) from travel lock bracket (4). Discard retaining clips (12).
- 7 Separate stud plunger (16) and compression helical spring (17) from travel lock adapter assembly (15).
- 8 For disassembly of mount pintle (PN 11010408) (18) refer to paragraph 6-3. For disassembly of mount pintle (PN 12986102) (19) refer to paragraph 16-1A.
- 9 Remove socket head capscrew (20) and wire rope assembly (21) from pintle adapter (22).
- 10 Remove quick release pin (23) from wire rope assembly (21).



INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 If travel lock bracket assembly is broken or damaged, repair is by replacement of next higher assembly.
- 3 If pintle adapter is broken or damaged, repair is by replacement of next higher assembly.
- 4 For inspection and repair of mount pintle (18) refer to paragraph 6-3 and for mount pintle (19) refer to paragraph 16-1A.
- 5 If travel lock assembly is broken, bent or damaged, repair is by replacement of next higher assembly.
- 6 Repair is by replacement of authorized parts (appx C).

REASSEMBLY



- 1 Attach quick release pin (23) to wire rope assembly (21).
- 2 Install wire rope assembly (21) on pintle adapter (22) using socket head capscrew (20).
- 3 For reassembly of mount pintle (18) refer to paragraph 6-3. For reassembly of mount pintle (19) refer to paragraph 16-1A.

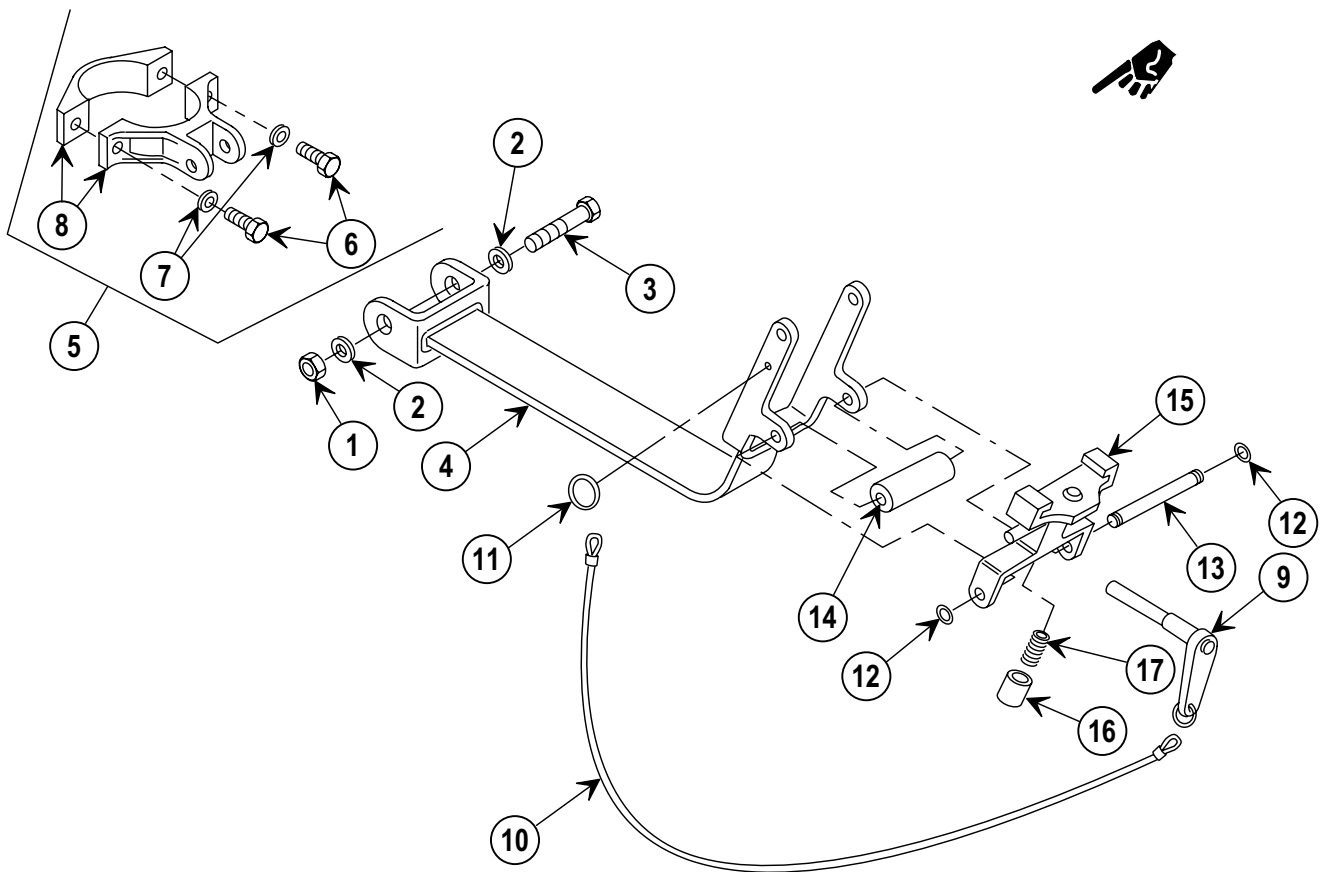
16-1. M197 MACHINE GUN MOUNT-MAINTENANCE INSTRUCTIONS (cont)

REASSEMBLY (cont)

NOTE

Items 12-18 apply only when mounting an M60 and are located in the Additional Authorization List (AAL), appendix F.

- 4 Install compression helical spring (17) and stud plunger (16) in travel lock adapter assembly (15).
- 5 Assemble travel lock adapter assembly (15), sleeve spacer (14), and headless grooved pin (13) into clevis of travel lock bracket (4) and secure with two new retaining clips (12).
- 6 Attach retaining ring (11) to travel lock bracket (4).
- 7 Attach cable assembly (10) to retaining ring (11).
- 8 Attach quick release pin (9) to cable assembly (10).
- 9 Assemble two halves (8) of travel lock bracket assembly (5) using two new lockwashers (7) and two machine bolts (6).
- 10 Assemble travel lock bracket assembly (5) to travel lock bracket (4) using two flat washers (2), hexagon head capscrew (3), and new self-locking nut (1).



16-1A. MOUNT PINTLE - MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

a. Disassembly

b. Inspection/Repair

c. Reassembly

INITIAL SETUP

Tools and Special Tools

Small Arms Repairman Tool Kit (item 2, appx B)

Personnel Required

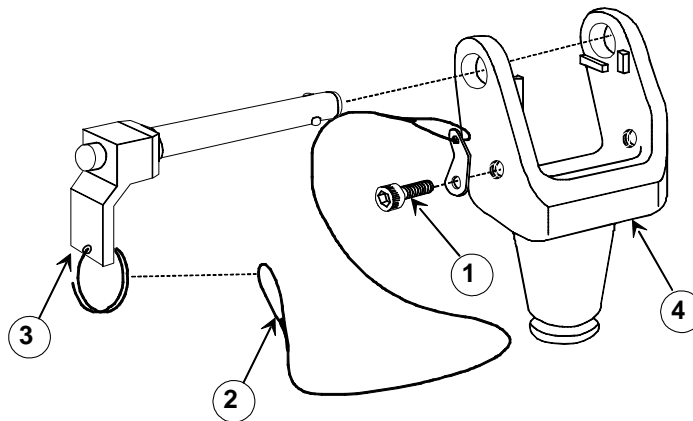
1

Equipment Conditions

16-1 Pintle assembly removed

DISASSEMBLY

Remove capscrew (1), cable assembly (2), and quick release pin (3) from pintle assembly (4).



INSPECTION/REPAIR

- 1 Inspect for broken, damaged, or missing parts.
- 2 If pintle (4) is broken or damaged, repair is by replacement of next higher assembly.
- 3 Repair is by replacement of authorized parts (appx C).

REASSEMBLY

Install quick release pin (3), cable assembly (2), and cap screw (1) to pintle assembly (4).

SECTION II. DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

16-2. M197 MACHINE GUN MOUNT-MAINTENANCE INSTRUCTIONS

THIS TASK COVERS:

There are no direct support repair procedures. For maintenance repair refer to unit maintenance procedures, paragraph 16-1, 16-1A, and 16-1B.

APPENDIX A

REFERENCES

A-1. TECHNICAL MANUALS (TM)

TM 9-1005-201-10.....	Operator's Manual: M249 Machine Gun
TM 9-1005-213-10.....	Operator's Manual: Machine Gun, .50 Cal, Browning, M2, Heavy Barrel, Flexible w/e (1005-322-9715) Mount, Tripod, Machine Gun, .50 Cal, w/e (1005-322-9716) Mount, Machine Gun, Anti-aircraft, .50 Cal, M63 w/e (1005-673-3246)
TM 9-1005-224-10.....	Operator's Manual: M60 Machine Gun
TM 9-1005-313-10.....	Operator's Manual: Machine Gun, 7.62MM, M240 Series
TM 9-1005-313-23&P	Unit and Direct Support Maintenance Manual (Including Depot Maintenance Repair Parts) for Machine Gun, 7.62MM, M240 Series
TM 9-1010-230-10.....	Operator's Manual: MK19 Mod 3 40MM Machine Gun
TM 9-1010-231-13&P	MK64 Machine Gun Mount
TM 9-1300-206	Ammunition Explosive Standards
TM 9-2320-280-20-3.....	Unit Maintenance Manual for Truck, Utility Cargo/Troop Carrier, 1-1/4 Ton, 4 x 4, M998 (NSN 2320-01-107-7155) (EIC: BBD); Armament Carrier Armored, 1-1/4 Ton, 4x4, M1025 (2320-01-128-9951) (EIC: BBF); Armament Center, Armored, 1-1/4 Ton, 4 x 4, W/Winch, M1026 (2320-01-128-9552) (EIC: BBG)
TM 750-244-6	Procedures for Destruction of Equipment in Federal Supply Classifications 1000, 1005, 1010, 1015, 1020, 1025, 1030, 1055, 1090, and 1095 to Prevent Enemy Use

A-2. DEPARTMENT OF THE ARMY (DA) FORMS

DA Form 2028	Recommended Changes to Publications and Blank Forms
DA Form 2028-2	Recommended Changes to Publications and Blank Forms
DA Form 2404	Equipment Inspection and Maintenance Worksheet
DA Form 2407	Maintenance Request

A-3. MARINE CORPS DATA

MCO 4855.10	Quality Deficiency Report
MCO P4610.19.....	Transportation and Travel Record of Transportation Discrepancies

A-3. MARINE CORPS DATA (cont)

MCO P4450.7..... Marine Corps Warehousing Manual

MCO P4790.2..... Administrative Storage of Equipment

NAVMC 10772..... Recommended Changes to Publications/Logistics Maintenance Date Coding

TM 4700-15/1 Marine Corps Tactical Equipment Record Procedure: Record Maintenance

A-4. TECHNICAL ORDERS (TO)

■ TO 00-35D-54..... Materiel Deficiency Reporting and Investigation System

TO 11W-1-10..... Historical Data Recording of Inspection, Maintenance, and Firing Data For Ground Weapons

TO 33K-1-100..... (TMDE) Interval Calibration and Repair Reference Guide and Work Unit Code Manual

A-5. OTHER

AFTO Form 22..... Technical System Publication Improvement Report

AR 750-1..... Army Material Maintenance Policy and Retail Maintenance Operations

CTA 8-100 Army Medical Department Expendable/Durable Items

CTA 50-970 Modified Table of Organization and Equipment (MTOE)

DA PAM 25-30..... Consolidated Index of Army Publications and Blank Forms

DA PAM 738-750..... The Army Maintenance Management System (TAMMS)

FM 21-11 First Aid for Soldiers

FM 23-14 Machine Gun, 5.56MM, M249

FM 23-27 MK19, 40MM Grenade Machine Gun Mod 3

FM 23-65 Browning, Machine Gun, .50 Cal, HB, M2

FM 23-67 Machine Gun, 7.62MM, M60

SF 364 Report of Discrepancy (ROD)

SF 368 Product Quality Deficiency Report

APPENDIX B

MAINTENANCE ALLOCATION CHART (MAC)

Section I. INTRODUCTION

B-1. THE ARMY MAINTENANCE SYSTEM MAC

a. This section provides a general explanation of all maintenance and repair functions authorized at various maintenance levels under the standard Army Maintenance System concept.

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, which are shown on the MAC in column (4) as:

Unit—includes two subcolumns, C (operator/crew) and O (unit) maintenance.

Direct Support—includes an F subcolumn.

General Support—includes an H subcolumn.

Depot—includes a D subcolumn.

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 are limited to and defined as follows (except for ammunition MAC¹):

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 of an item and comparing those characteristics with prescribed standards.

c. **Service.** Operations required periodically to keep an item in proper operating condition, e.g., 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 prescribed limits, by bringing into proper position or by setting the operating characteristics to specified parameters.

¹Exception is authorized for ammunition MACs to permit use of maintenance function headings that better describe or identify ammunition maintenance functions. The headings used and their definitions shall be included in the appropriate ammunition technical manual(s).

B-2. MAINTENANCE FUNCTIONS (cont)

- 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 assigned maintenance level is shown as the 3d position code of the SMR code.
- i. **Repair.** The application of maintenance services², including fault location/troubleshooting³, removal/installation, and disassembly/assembly⁴ procedures, and maintenance actions⁵ to identify troubles and restore serviceability to an item by correcting specific damage, fault, malfunction, 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 (e.g., hours/miles) 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.
- 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 item listed in column 2. (For detailed explanation of these functions, refer to para B-2).

²Services—inspect, test, service, adjust, align, calibrate, and/or replace.

³Fault location/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).

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

⁵Actions—welding, grinding, riveting, straightening, facing, machining, and/or resurfacing.

d. Column 4, Maintenance Level. Column 4 specifies each level of maintenance authorized to perform each function listed in column 3 by indicating work time required (expressed as man-hours in whole hours or decimals) in the appropriate subcolumn. This work-time 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 are shown for each level. The work-time figure represents the average time required to restore an item (assembly, subassembly, component, module, end item, or system) 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 time in addition to the time required to perform the specific tasks identified for the maintenance functions authorized in the MAC. The symbol designations for the various maintenance levels are as follows:

- C..... Operator or crew maintenance
- O Unit maintenance
- F Direct support maintenance
- H..... General support maintenance
- L Specialized Repair Activity (SRA)⁶
- D..... Depot maintenance

e. Column 5, Tools and Equipment. Column 5 specifies, by code, those common tool sets (not individual tools), common TMDE, and special tools, special TMDE, and special support equipment required to perform the designated function. Codes are keyed to tools and test equipment in section III.

f. Column 6, Remarks. When applicable, this column contains a letter code, in alphabetical order, which is 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, model number, or type number.

⁶This maintenance level is not included in section II, column (4) of the MAC. Functions to this level of maintenance are indicated by a work-time figure in the "H" column of section II, column (4), and an associated reference code is used in the Remarks column (6). This code is keyed to section IV, Remarks, and the SRA complete repair application is explained there.

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

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

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

**Section II. MAINTENANCE ALLOCATION CHART
 FOR GUN MOUNTS**

(1) GROUP NUMBER	(2) COMPONENT/ ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL					(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			UNIT		DS	GS	DEPOT		
			C	O	F	H	D		
00	Mount, Tripod, Machine Gun, M122 (7790723)	Inspect	0.3	0.3				1, 2	
		Service	0.3	0.3					
		Repair		0.1	0.8		1.0		
	Mount, Tripod, M122A1 (12976949)	Inspect	0.3	0.3	0.2			1, 2, 3	
		Service	0.3	0.3					
		Replace Repair		0.1 0.2	0.1				
01	Elevating and Traversing Mechanism (7791119)	Inspect	0.3	0.3				1, 2, 3	
		Replace		0.3					
		Repair			0.5				
02	Tripod, Leg Assembly (16976948)	Inspect	0.2	0.2				1, 2	
		Replace			0.3				
		Repair		0.1	0.3				
0201	Leg, Tripod Mount (5559337)	Inspect	0.1	0.1	0.1			1, 2	
		Replace			0.2				
		Repair		0.1	0.3				
0202	Lock Assembly, Pintle (6108986)	Replace			0.2			1	
		Repair			0.3				
03	Pintle, Mount (11010408) (M122 only)	Replace		0.1				1, 2	
		Repair			0.2				
04	Flexible Gun Mount (12976940) (M122A1 only)	Inspect	0.3	0.3	0.3			1, 2	
		Service	0.3	0.3					
		Replace			0.3				
		Repair			0.8				
0401	Cradle Assembly, Upper (12597091)	Replace			0.5			1, 2	
		Repair			0.5				

**Section II. MAINTENANCE ALLOCATION CHART
FOR GUN MOUNTS (cont)**

(1) GROUP NUMBER	(2) COMPONENT/ ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL					(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			UNIT		DS	GS	DEPOT		
			C	O	F	H	D		
00	Mount, Tripod, Machine Gun, M3 (8403398)	Inspect	0.3	0.3	0.3				
		Service	0.3	0.3					
		Replace		0.3					
		Repair		0.3	1.3		1, 2		
01	Head, Bearing Assembly (8448211)	Repair			0.3		1, 2		
02	Bolt, Machine (6108395)	Replace			0.1				
		Repair			0.1		1, 2		
03	Leg, Tripod Mount (6507137)	Replace			0.3				
		Repair			0.6		1, 2		
04	Leg, Tripod Mount (5559423)	Replace			0.3				
		Repair			0.6		1, 2		
05	Leg, Tripod Mount (6507136)	Replace			0.3				
		Repair			0.6		1, 2		
06	Elevation Mechanism (5574621)	Inspect	0.3	0.3					
		Replace		0.1			1, 2, 3		
		Repair			0.5				
07	Latch, Pintle Mount (6108402)	Replace			0.2				
		Repair			0.3		1, 2		
00	Ring, Mount, Machine Gun, M66 (7012810)	Inspect	0.3	0.3					
		Service	0.3	0.3					
		Replace			1.5				
		Repair		0.5			2		
01	Ring Assembly (7012727)	Repair		0.3	2.5		1, 2		
0101	Ring Assembly (7012725)	Replace			0.1		2		
		Repair			0.3		2		
0102	Ring (7070704)	Inspect	0.3	0.3	0.3				
		Replace			0.8		1, 2		
		Repair			0.8		1, 2		
0103	Brake, Ring (7012801)	Replace			0.5		1, 2		
		Repair		0.3	0.5		1, 2		

Section II. MAINTENANCE ALLOCATION CHART
 FOR GUN MOUNTS (cont)

(1) GROUP NUMBER	(2) COMPONENT/ ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL					(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			UNIT		DS	GS	DEPOT		
			C	O	F	H	D		
00	M240E1 Flexible Machine Gun Mount (12597090)	Inspect Service Replace Repair	0.3 0.3	0.3 0.3	0.3 0.3 0.8			1, 2 1, 2	
0401	Cradle Assembly, Upper (12597091)	Replace Repair			0.5 0.5			1, 2 1, 2	
00	Mount, Machine Gun, M142 (10900945)	Inspect Service Replace Repair	0.3 0.3	0.3 0.3 0.3	0.3 0.8			2 1, 2	
01	Platform Assembly (10900947)	Repair			0.3			1, 2	
00	Mount, Machine Gun, Cal .50, 6650 (7046650)	Inspect Service Replace Repair	0.3 0.3	0.5 0.3 0.3	0.3 0.8			1, 2	
00	Machine Gun Mount, M548 (11631740-2)	Inspect Service Repair	0.3 0.3	0.3 0.3 0.3	0.3 1.5			1, 2	
01	Ring, Mount, Machine Gun, M66 (7012810)	Inspect Service Replace Repair	0.3 0.3	0.3 0.3	 1.5			2	
0101	Ring Assembly (7012727)	Repair		0.3	2.5			1, 2	
010101	Ring Assembly (7012725)	Replace Repair			0.1 0.3			2 2	
010102	Ring (7070704)	Inspect Replace Repair	0.3	0.3	0.3 0.8 0.8			1, 2 1, 2	
010103	Brake, Ring (7012801)	Replace Repair			0.5 0.3			1, 2 1, 2	

**Section II. MAINTENANCE ALLOCATION CHART
FOR GUN MOUNTS (cont)**

(1) GROUP NUMBER	(2) COMPONENT/ ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL					(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			UNIT		DS	GS	DEPOT		
			C	O	F	H	D		
0101	Stop Assembly, Depression (6650651)	Inspect Service Replace Repair	0.3 0.3	0.3 0.3	0.1 0.4			1,2	
02	Yoke assembly (6650725)	Inspect Service Replace Repair	0.3 0.3	0.3 0.3	0.3 0.3 0.1 0.3			1,2	
00	Mount, Machine Gun, MK93 Mod 1 (6650717)	Inspect Service Repair	0.3 0.3	0.3 0.3 0.1	0.8			1,2	
01	Mount, Machine Gun, MK93 Mod 0 (6650450)	Inspect Service Repair	0.3 0.3	0.3 0.3	0.6			1,2	
0101	Carriage Assembly (6650434)	Inspect Service Replace Repair	0.3 0.3	0.3 0.3 0.5	0.1 1.5			1,2	
010101	Stop Assembly, Depression (6650651)	Inspect Service Replace Repair	0.3 0.3	0.3 0.3	0.1 0.4			1,2	
0102	Yoke Assembly (6650725)	Inspect Service Replace Repair	0.3 0.3	0.3 0.3 0.1	0.3 0.3 0.1 0.3			1,2	
02	Holder Assembly, Ammo, .50 Caliber (6650724)	Inspect Service Repair	0.3 0.3	0.3 0.3 0.1	0.3			1,2	
03	Bracket, Mounting (12929150)	Inspect Service Repair	0.3 0.3	0.3 0.3 0.1	0.3			1,2	

Section II. MAINTENANCE ALLOCATION CHART
 FOR GUN MOUNTS (cont)

(1) GROUP NUMBER	(2) COMPONENT/ ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL					(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			UNIT		DS	GS	DEPOT		
			C	O	F	H	D		
04	Catch Bag Assembly (6650723)	Inspect	0.3	0.3				1,2	
		Service	0.3	0.3					
		Repair		0.1	0.3				
05	Universal Pintle Adapter (12012061)	Inspect	0.3	0.3				1,2	
		Service	0.3	0.3					
		Repair			0.3				
0501	Arm Assembly, Traverse (6650488)	Inspect	0.3	0.3				1,2	
		Service	0.3	0.3					
		Replace			0.1				
		Repair			0.3				
0502	Body Assembly, (12012062)	Inspect	0.3	0.3				1,2	
		Service	0.3	0.3					
		Repair			0.3				
06	Elevation Mechanism (5574621)	Inspect	0.3	0.3				1,2	
		Service	0.3	0.3					
		Repair			0.3				
00	M6 Machine Gun Pedestal Mount (12956270)	Inspect	0.3	0.3				2	
		Replace		0.5					
		Repair		0.3					
00	M197 Machine Gun Mount (12956264)	Inspect	0.2	0.2				2	
		Replace		0.2					
		Repair		0.3					
01	Travel Lock Assembly (12956265)	Inspect	0.2	0.2				1,2	
		Replace		0.2					
		Repair		0.2					
02	Bracket Assembly, Travel Lock (5830063)	Inspect	0.1	0.1				2	
		Replace		0.1					
		Repair		0.1					
03	Pintle Adapter Assembly (5830131)	Inspect	0.1	0.1				2	
		Replace		0.1					
		Repair		0.1					

Section II. MAINTENANCE ALLOCATION CHART FOR GUN MOUNTS (cont)

NOTE

This section applies to Army users only.

(1) GROUP NUMBER	(2) COMPONENT/ ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL					(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			UNIT		DS	GS	DEPOT		
			C	O	F	H	D		
04	Pintle, Mount (11010408)	Replace Repair		0.1		0.2			1,2
05	Pintle Assembly (12986102)	Inspect Service Repair	0.3 0.3	0.3 0.3					2
06	Deflector Kit (12986106)	Inspect Service Install Replace Repair	0.1 0.2 0.2	0.1 0.2 0.2					2
07	Gun Mount Adapter (NPN)	Inspect Service Replace Repair	0.1 0.1	0.1 0.1					2

Section III. TOOL AND TEST EQUIPMENT REQUIREMENTS FOR GUN MOUNTS

TOOL OR TEST EQUIPMENT REF CODE	MAINTENANCE LEVEL	NOMENCLATURE	NATIONAL STOCK NUMBER	TOOL NUMBER
1	F	Shop Set, Small Arms: Field Maintenance, Basic, Less Power	4933-00-754-0664	SC 4933-95-A11
2	O	Tool Kit, Small Arms Repairman	5180-01-462-4254	SC 5180-95-B71
3	F	Wrench, Spanner	5120-00-077-2081	8436748

Section IV REMARKS

Not applicable.

APPENDIX C

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

Section I. INTRODUCTION

C-1. 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 direct support maintenance of the gun mounts. It authorizes the requisitioning, issue, and disposition of spares, repair parts, and special tools as indicated by the Source, Maintenance, and Recoverability (SMR) codes.

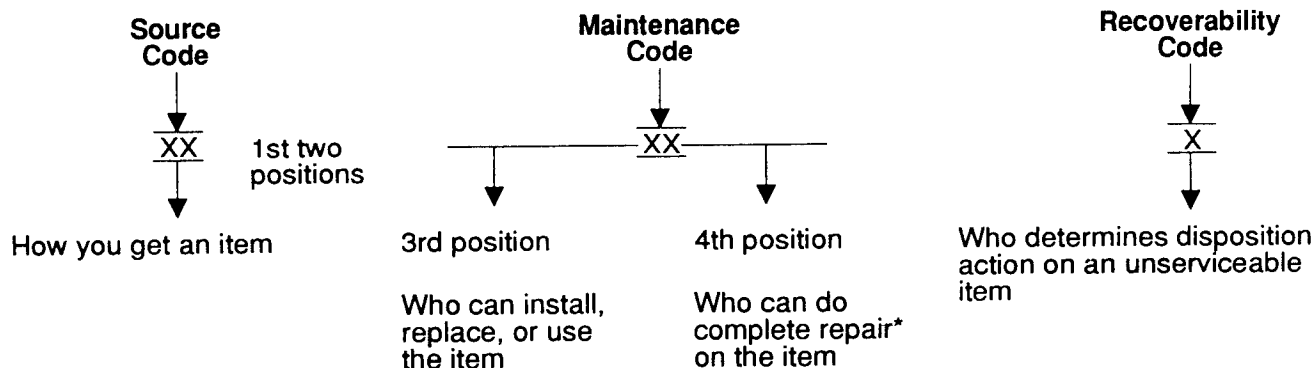
C-2. GENERAL

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. The 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 in item name sequence. Repair parts kits are listed separately in their own functional group within Section II. Repair parts for repairable special tools are also listed in this section. Items listed are shown on the associated illustration(s)/ figure(s).
- 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 the performance of maintenance.
- c. **Section IV. Cross-reference Index.** A list, in National Item Identification Number (NIIN) sequence, of all National stock numbered items appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing in the listing. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance. The figure and item number index lists figure and item numbers in alphanumeric sequence and cross-references NSN, CAGEC, and part numbers.

C-3. 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
PA PB PC** PD PE PF PG	<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 3rd position of the SMR code.</p> <p>**NOTE: Items coded PC are subject to deterioration.</p>
KD KF KB	<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>

Code

Explanation

MO- (Made at Unit/
AVUM Level)
MF- (Made at DS/
AVIM Level)
MH- (Made at GS
Level)
ML- (Made at Spe-
cialized Repair
Act (SRA))
MD- (Made at Depot)

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 of the repair parts list 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.

AO- (Assembled by Unit/
AVUM Level)
AF- (Assembled by
DS/AVIM Level)
AH- (Assembled by
GS Level)
AL- (Assembled by
SRA)
AD- (Assembled by
Depot)

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.

- 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 not stocked. Order an "XD"-coded item through normal supply 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" or those aircraft support items restricted by requirements of AR 750-1.

C-3. EXPLANATION OF COLUMNS (SECTIONS II AND III) (cont)

(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 fourth 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:

Code	Application/Explanation
C	-Crew or operator maintenance done within unit or aviation unit maintenance.
O	-Unit or aviation unit level can remove, replace, and use the item.
F	-Direct support or aviation intermediate level can remove, replace, and use the item.
H	-General support level can remove, replace, and use the item.
L	-Specialized repair activity can remove, replace, and use the item.
D	-Depot level can remove, replace, and use the item.

(b) The maintenance code entered in the fourth position tells 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:

Code	Application/Explanation
O	-Unit or aviation unit is the lowest level that can do complete repair of the item.
F	-Direct support or aviation intermediate is the lowest level that can do complete repair of the item.
H	-General support is the lowest level that can do complete repair of the item.
L	-Specialized repair activity is the lowest level that can do complete repair of the item.
D	-Depot is the lowest level that can do complete repair of the item.
Z	-Nonrepairable. No repair is authorized.
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 Code	Application/Exp'ation
Z	-Nonrepairable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in 3d position of SMR code.
O	-Repairable item. When uneconomically repairable, condemn and dispose of the item at unit or aviation unit level.
F	-Repairable item. When uneconomically repairable, condemn and dispose of the item at direct support or aviation intermediate level.
H	-Repairable item. When uneconomically repairable, condemn and dispose of the item at general support level.
D	-Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item not authorized below depot level.
L	-Repairable item. Condemnation and disposal not authorized below Specialized Repair Activity (SRA).
A	-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 5-digit alphanumeric 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) The physical security classification of the item is indicated by the parenthetical entry which is a physical security classification abbreviation (e.g., Phy Sec CI (C) - Confidential, Phy Sec CI (S) - Secret, Phy Sec CI (T) - Top Secret).

(3) Items that are included in kits and sets are listed below the name of the kit or set.

(4) Spare/repair parts that make up an assembled item are listed immediately following the assembled item line entry.

C-3. EXPLANATION OF COLUMNS (SECTIONS II AND III) (cont)

(5) Part numbers for bulk materials are referenced in this column in the line item entry for the item to be manufactured/fabricated.

(6) When the item is not used with all serial numbers of the same model, the effective serial numbers are shown on the last line(s) of the description (before UOC).

(7) The usable on code, when applicable (see para C-5, Special Information).

(8) 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 equipment supported exceeds density spread indicated in the basis of issue, the total authorization is increased proportionately.

(9) 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.

C-4. 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., $\frac{\text{NSN}}{\text{NIIN}}$ 5305-01-674-1467).

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.** The 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 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 thru Z, followed by the numbers 0 thru 9 and each following letter or digit in like order).

(1) **CAGEC column.** The Contractor and Government Entity Code (CAGEC) is a 5-digit alphanumeric 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 and 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 list 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 lists the NSN for the item.

(4) **CAGEC column.** The Contractor and Government Entity Code (CAGEC) is a 5-digit alphanumeric 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 and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

C-5. 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 the Description column (justified left) on the first line of applicable item description/nomenclature. Uncoded items are applicable to all models. Identification of the usable on codes used in the RPSTL are:

<u>Code</u>	<u>Used On</u>
AM4	M66 Machine gun mount
AM5	M122 Machine gun tripod mount
AM7	M142 Machine gun mount
AM8	6650 .50 cal machine gun mount
AM9	M240E1 Flexible machine gun mount
AN0	M3 Tripod mount
AR3	M548 Machine gun mount
AY7	MK93 MOD 0 machine gun mount
AY8	MK93 MOD 1 machine gun mount
BB7	M6 Machine gun pedestal mount
BB8	M197 Machine gun mount
BC5	M122A1 Machine gun tripod mount

b. FABRICATION INSTRUCTIONS. Bulk materials required to manufacture items are listed in the Bulk Material Functional Group of this RPSTL. Part numbers for bulk materials are also referenced in the description column of the item entry for the item to be manufactured/fabricated.

c. ASSEMBLY INSTRUCTIONS. Detailed assembly instructions for items source coded to be assembled from component spare/repair parts are found in 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-6. HOW TO LOCATE REPAIR PARTS

a. When 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 groups.

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

(3) **Third.** Identify the item on the figure and use the Figure and Item Number Index to find the NSN.

b. When National Stock Number or Part Number is Known.

(1) **First.** Using the National Stock Number or Part Number Index, find the pertinent National Stock Number or Part Number. The NSN index is in National Item Identification Number (NIIN) sequence (see para C-4.a(1)). The part numbers in the Part Number index are listed in ascending alphanumeric sequence (see para C-4.b). Both indexes cross-reference you to the illustration/figure and item number of the item you are looking for.

(2) **Second.** Turn to the figure and item number, verify that the item is the one you are looking for, then locate the item number in the repair parts list for the figure.

C-7. ABBREVIATIONS

Not applicable.

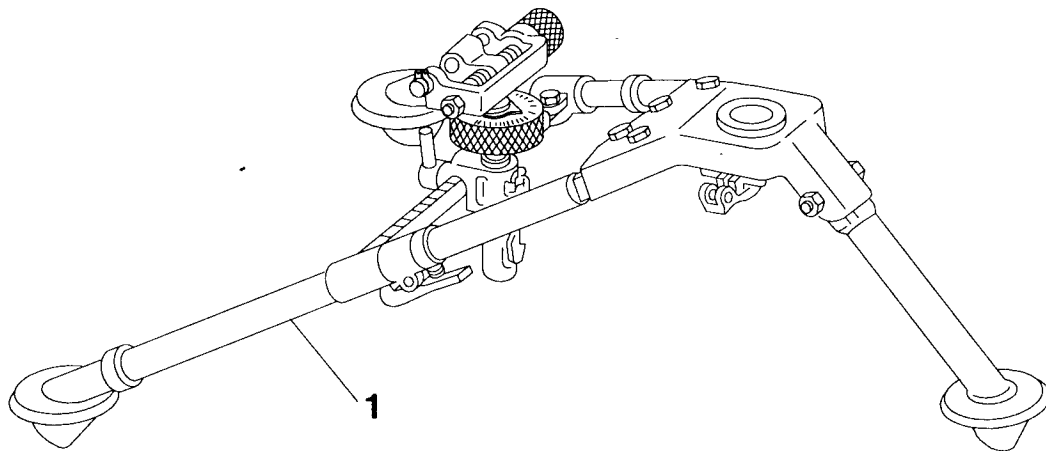
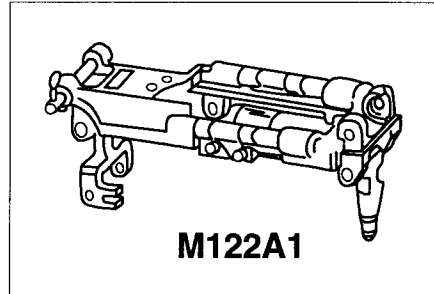
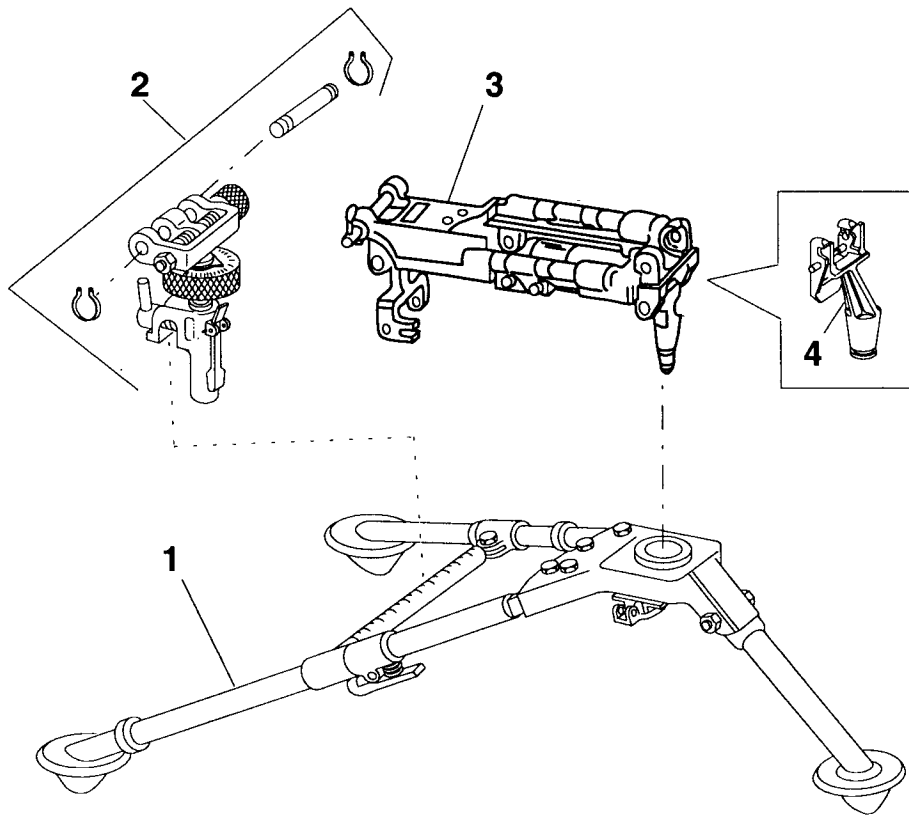


Figure C-1. Mount, Tripod, Machine Gun, M122, 7790723, M122A1, 12976949 (Assembled View)

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 00					
FIG. C-1 MOUNT, TRIPOD, MACHINE GUN, M122, 7790723; M122A1, 12976949					
1	PAOFF	19205	7790723	MOUNT, TRIPOD, MACHINE GUN , M122	1
1	PAOFF	19200	12976949	MOUNT, TRIPOD, MACHINE GUN M122A1	1

END OF FIGURE



Change 2

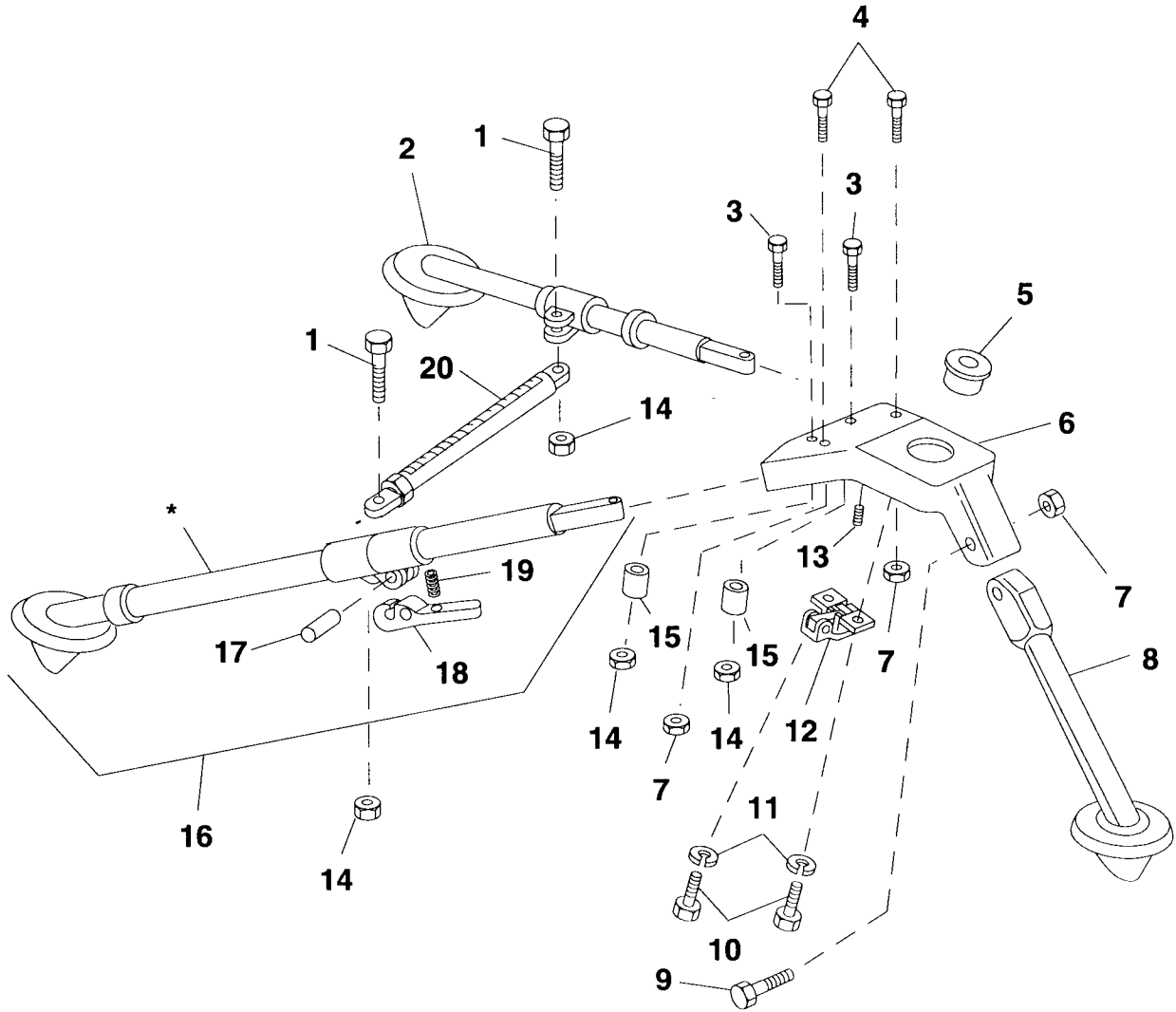
Figure C-2. Mount, Tripod, Machine Gun, M122, 7790723,
and M122A1, 12976949

SECTION II

**ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 00 FIG. C-2 MOUNT, TRIPOD, MACHINE GUN, M122, 7790723 AND M122A1, 12976949	
1	XAOFF	19200	7790948	TRIPOD LEG ASSY SEE FIG. C-3 F/BREAKDOWN UOC: AM5, BC5, BC6	1
2	PAOFF	19205	7791119	ELEVATING AND TRAVERSING MECHANISM ASSY SEE FIG. C-5 F/BREAKDOWN UOC: AM5, BC5, BC6	1
3	PAOFF	19200	12976940	FLEXIBLE MOUNT SEE FIG. C-23 F/BREAKDOWN UOC: BC5, BC6	1
4	PAOOO	19205	11010408	PINTLE MOUNT SEE FIG. C-6 F/BREAKDOWN UOC: AM5	1

END OF FIGURE



*No further disassembly authorized.

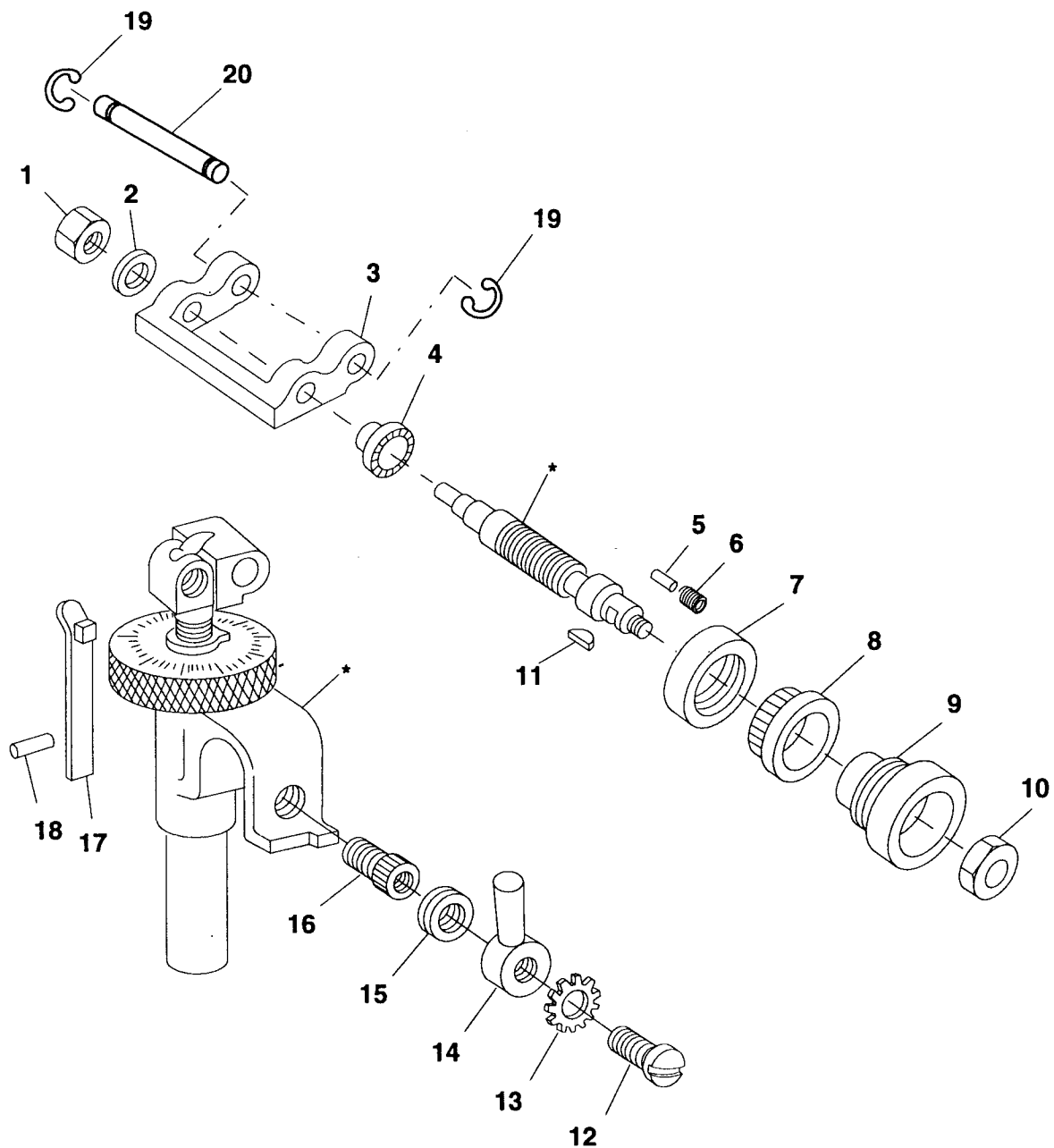
SECTION II

**ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 02 AND 0201 FIG. C-3 TRIPOD, LEG ASSY, 7790948	
1	PAFZZ	19204	5169880	BOLT, MACHINE UOC: AM5, BC5.....	2
2	PAFZZ	19204	5559338	LEG, TRIPOD MOUNT UOC: AM5, BC5.....	1
3	PAFZZ	19204	5169881	BOLT, MACHINE UOC: AM5, BC5.....	2
4	PAFZZ	19204	5169882	BOLT, MACHINE UOC: AM5, BC5.....	2
5	PAFZZ	19205	6108201	BUSHING, SLEEVE UOC: AM5, BC5.....	1
6	XAFZZ	19204	5559331	HEAD UOC: AM5, BC5.....	1
7	PAFZZ *PAOZZ	96906	MS51968-8	NUT, PLAIN, HEXAGON UOC: AM5, BC5.....	3
8	PAFZZ *PAOZZ	19204	6108195	LEG, TRIPOD MOUNT UOC: AM5, BC5.....	1
9	PAFZZ *PAOZZ	19204	5169879	BOLT, MACHINE UOC: AM5, BC5.....	1
10	PAFZZ	19204	5141950	SCREW, MACHINE UOC: AM5, BC5.....	2
11	PAFZZ	19205	11010529	WASHER, LOCK UOC: AM5, BC5.....	2
12	PAFZZ	19204	6108986	LOCK ASSEMBLY, PINTLE F/BREAKDOWN SEE FIG. C-7 UOC: AM5, BC5.....	1
13	PAFZZ	96906	MS51031-48	SETSCREW UOC: AM5, BC5.....	1
14	PAFZZ	96906	MS51968-2	NUT, PLAIN, HEXAGON UOC: AM5, BC5.....	4
15	PAFZZ	19205	5139962	SPACER, SLEEVE UOC: AM5, BC5.....	2
16	PAFZZ	19204	5559337	LEG, TRIPOD MOUNT UOC: AM5, BC5.....	1
17	PAFZZ	19207	5140004	..PIN, STRAIGHT, HEADLESS UOC: AM5, BC5.....	1
18	PAFZZ	19205	5139959	..LATCH, SLEEVE UOC: AM5, BC5.....	1
19	PAFZZ	19205	5139997	..SPRING, HELICAL, COMPRESSION UOC: AM5, BC5.....	1
20	PAFZZ	19205	5559333	BAR ASSEMBLY, TRAVERSING UOC: AM5, BC5.....	1

END OF FIGURE

* MARINE CORPS ONLY



Change 2

Figure C-4. Elevating and Traversing Mechanism Assembly
(Traversing and Clamping Unit), 7791119

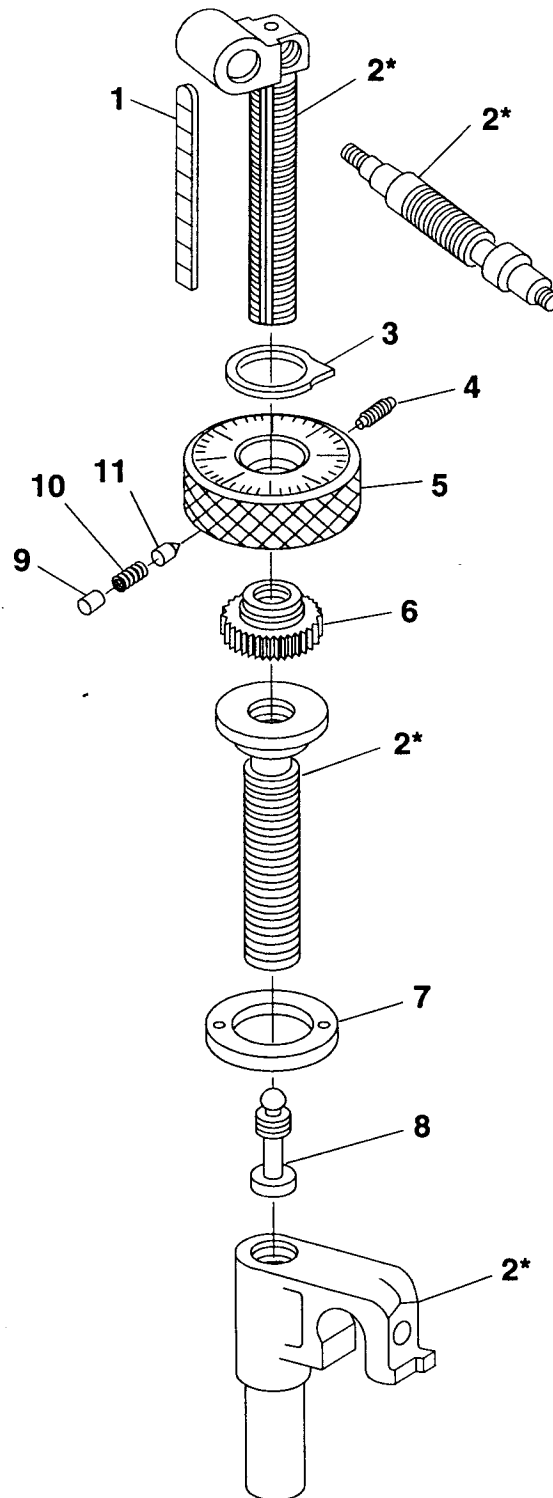
SECTION II

ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 01 FIG. C-4 ELEVATING AND TRAVERSING MECHANISM ASSEMBLY (TRAVERSING AND CLAMPING), 7791119					
1	PAFZZ	96906	MS51943-2	NUT, SELF-LOCKING, HEX UOC: AM5, BC5.....	1
2	PAFZZ	19205	5174192	WASHER, FLAT UOC: AM5, BC5.....	1
3	XAFZZ	19204	11010037	YOKE UOC: AM5, BC5.....	1
4	PAFZZ	19205	5174175	RING, TRAVERSING, MECHANISM UOC: AM5, BC5.....	1
5	PAFZZ	19205	5171495	PIN, STRAIGHT, HEADLESS UOC: AM5, BC5.....	1
6	PAFZZ	19205	11010547	SPRING, HELICAL, COMPRESSION UOC: AM5, BC5.....	1
7	PAFZZ	19207	5171491	NUT, UNION UOC: AM5, BC5.....	1
8	PAFZZ	19205	5171492	DIAL, SCALE UOC: AM5, BC5.....	1
9	PAFZZ	19207	6158375	KNOB UOC: AM5, BC5.....	1
10	PAFZZ	96906	MS51943-4	NUT, SELF-LOCKING, HEX UOC: AM5, BC5.....	1
11	PAFZZ	96906	MS35756-2	KEY, WOODRUFF UOC: AM5, BC5.....	1
12	PAOZZ	19204	5139989	SCREW, MACHINE UOC: AM5, BC5.....	1
13	PAOZZ	19205	11010413	WASHER, LOCK UOC: AM5, BC5.....	1
14	PAOZZ	19205	7793002	LEVER, TRAVERSING UOC: AM5, BC5.....	1
15	PAOZZ	19205	7793003	SPRING, HELICAL, TORSION UOC: AM5, BC5.....	1
16	PAOZZ	19205	5139988	SCREW, MACHINE UOC: AM5, BC5.....	1
17	PAFZZ	19205	5189757	STOP ASSEMBLY, ELEVATING UOC: AM5, BC5.....	1
18	PAFZZ	96906	MS16562-120	PIN, SPRING UOC: AM5, BC5.....	1
19	PAOZZ	96906	MS16624-1043	RING, RETAINING UOC: AM5, BC5.....	2
20	PAOZZ	19205	7792993	PIN, GROOVED, HEADLESS UOC: AM5, BC5.....	1

END OF FIGURE

* MARINE CORPS ONLY



*Issued as a set

Change 2

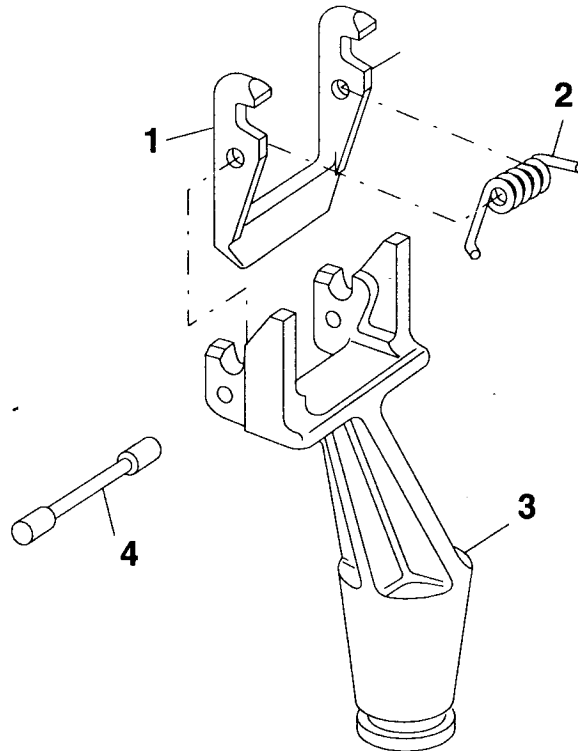
Figure C-5. Elevating and Traversing Mechanism Assembly
(Elevating Unit), 7791119

SECTION II

ARMY TM 9-1005-245-13&P
 MARINE CORPS TM 1005-13&P/1
 AIR FORCE T.O. 11W2-8-1-322

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 01	
				FIG. C-5 ELEVATING AND TRAVERSING MECHANISM ASSEMBLY (ELEVATING UNIT), 7791119	
1	PAFZZ	19205	11010242	PLATE, SCALE UOC: AM5, BC5	1
2	XAFZZ	19204	7793004	ELEVATING SCREW ASSEMBLY (ISSUED AS A SET) UOC: AM5, BC5	1
3	PAFZZ	19204	5139982	POINTER, DIAL UOC: AM5, BC5	1
4	PAFZZ	19204	5140612	SETSCREW UOC: AM5, BC5	1
5	PAFZZ	19204	6108211	KNOB UOC: AM5, BC5	1
6	PAFZZ	19204	5139994	RING, CLICK, HANDWHEEL UOC: AM5, BC5	1
7	PAFZZ	19205	5140485	RING, EXTERNALLY THREADED UOC: AM5, BC5	1
8	PAFZZ	19204	8408768	STOP, GUN, AUTOMATIC UOC: AM5, BC5	1
9	PAFZZ	19204	5139995	DISK, SOLID, PLAIN UOC: AM5, BC5	1
10	PAFZZ	19205	11010523	SPRING, HELICAL, COMPRESSION UOC: AM5, BC5	1
11	PAFZZ	19205	11010522	PIN, STRAIGHT, HEADLESS UOC: AM5, BC5	1

END OF FIGURE



SECTION II

**ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 03 FIG. C-6 PINTLE MOUNT, 11010408	
1	PAOZZ	19205	11010409	LEVER, LOCK-RELEASE UOC: AM5	1
2	PAOZZ	19204	11010410	SPRING, HELICAL, TORSION UOC: AM5	1
3	XAOZZ	19204	11010412	PINTLE UOC: AM5	1
4	PAOZZ	19205	11010411	PIN, GROOVED, HEADLESS UOC: AM5	1

END OF FIGURE

SECTION II

ARMY TM 9-1005-245-13&P
 MARINE CORPS TM 1005-13&P/1
 AIR FORCE T.O. 11W2-8-1-322

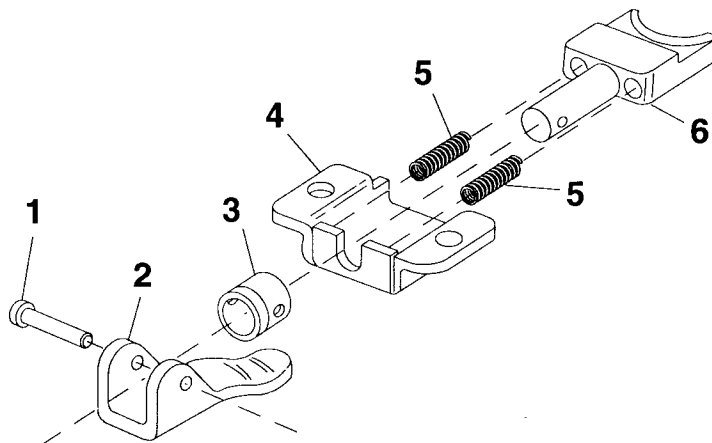


Figure C-7. Lock Assembly, Pintle, 6108986

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 0202					
FIG. C-7 LOCK ASSEMBLY, PINTLE, 6108986					
1	PAFZZ	19205	11010448	RIVET, SOLID UOC: AM5, BC5.....	1
2	PAFZZ	19205	5141080	CAM, PINTLE LOCK RELEASE UOC: AM5, BC5.....	1
3	XAFZZ	19205	5141081	COLLAR, SHAFT UOC: AM5, BC5.....	1
4	XAFZZ	19205	6140648	HOUSING UOC: AM5, BC5.....	1
5	PAFZZ	19205	5142877	SPRING, HELICAL, COMPRESSION UOC: AM5, BC5.....	1
6	XAFZZ	19204	5141121	BODY UOC: AM5, BC5.....	1

END OF FIGURE

C-6. HOW TO LOCATE REPAIR PARTS

a. When 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 groups.

(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 use the Figure and Item Number Index to find the NSN.

b. When National Stock Number or Part Number is Known.

(1) **First.** Using the National Stock Number or Part Number Index, find the pertinent National Stock Number or Part Number. The NSN index is in National Item Identification Number (NIIN) sequence (see para C-4.a(1)). The part numbers in the Part Number index are listed in ascending alphanumeric sequence (see para C-4.b). Both indexes cross-reference you to the illustration/figure and item number of the item you are looking for.

(2) **Second.** Turn to the figure and item number, verify that the item is the one you are looking for, then locate the item number in the repair parts list for the figure.

C-7. ABBREVIATIONS

Not applicable.

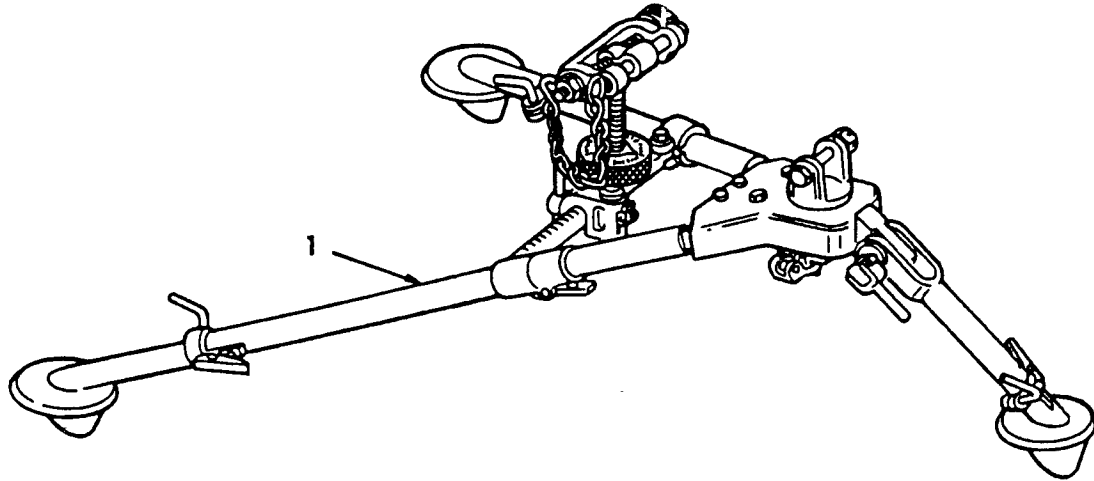
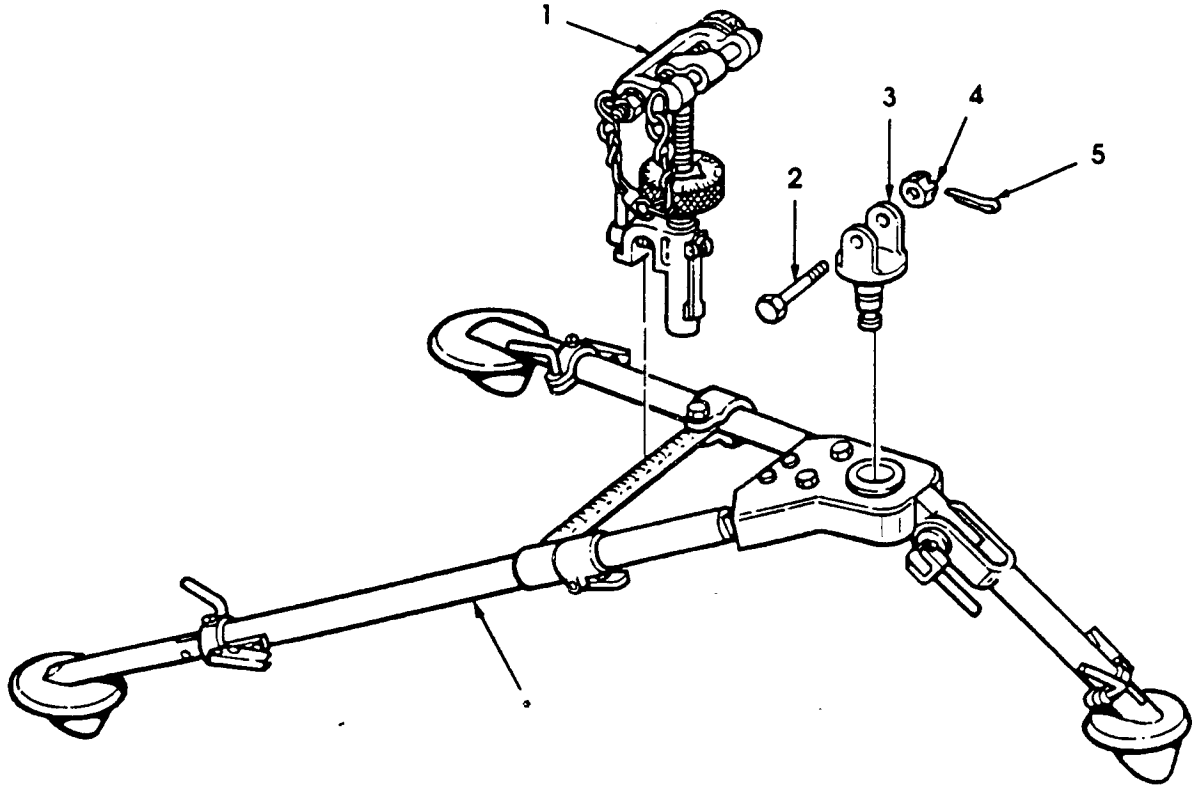


Figure C-8. Mount, Tripod, Machine Gun, M3 8403398 (Assembled View).

SECTION II			TM9-1005-245-13&P			
(1)	(2)	(3)	(4)		(5)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER		DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00						
FIG.C-8 MOUNT,TRIPOD,MACHINE GUN,M3 8403398 (ASSEMBLED VIEW)						
1	PAOFF	19204	8403398		MOUNT,TRIPOD, MACHINE GUN, M3.....	1
1	PAODD	19204	8403398		MOUNT,TRIPOD, MACHINE GUN, M3 (MARINE CORPS ONLY).....	1

END OF FIGURE

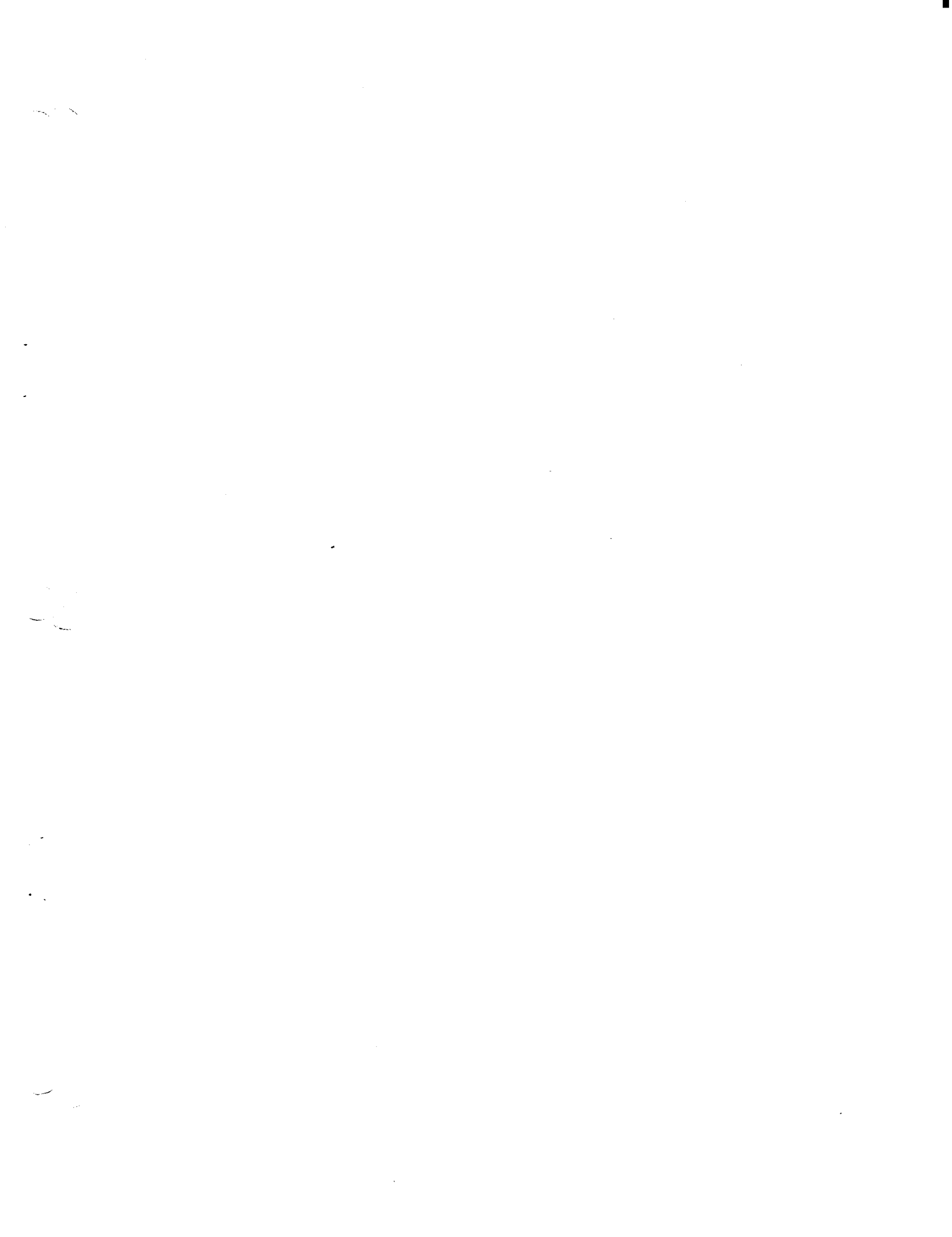


*See figure C-10 for further breakdown.

Figure C-9. Mount, Tripod, Machine Gun, M3 8403398.

SECTION II			TM9-1005-245-13&P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00					
FIG.C-9 MOUNT,TRIPOD,MACHINE GUN, M3 8403398					
1	PAOFF	19200	5574621	ELEVATION MECHANISM SEE FIGS. C-14 AND C-15 FOR BREAKDOWN..... UOC:ANO	1
2	PAOZZ	19204	5139973	BOLT,MACHINE..... UOC:ANO	1
3	PAOZZ	19200	5559332	PINTLE,MOUNT..... UOC:ANO	1
4	PAOZZ	19204	5139964	NUT,HEXAGON,SLOTTED..... UOC:ANO	1
5	PAOZZ	96906	MS24665-834	PIN,COTTER..... UOC:ANO	1

END OF FIGURE



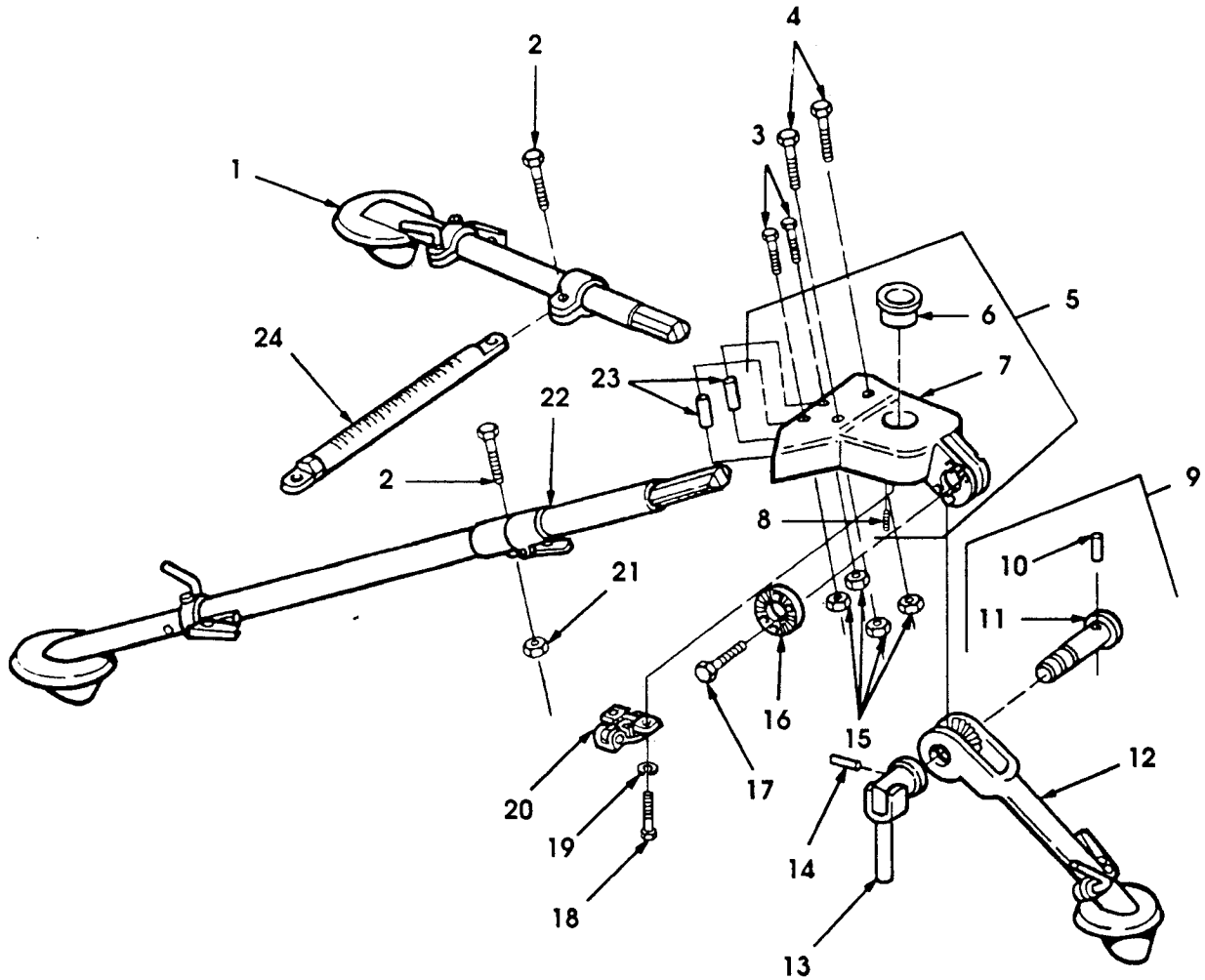


Figure C-10. Mount, Tripod, Machine Gun, M3 8403398;
Head, Bearing Assembly 8448211; and Bolt, Machine 6108395.

SECTION II			TM9-1005-245-13&P		(5)	(6)
(1)	(2)	(3)	(4)			
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)		QTY
				GROUPS 00,01,AND 02		
				FIG.C-10 MOUNT,TRIPOD,MACHINE GUN,M3		
				8403398;HEAD, BEARING		
				ASSEMBLY 8448211; AND BOLT,		
				MACHINE 6108395		
1	PAFFF	19204	6507137	LEG,TRIPOD MOUNT SEE FIG. C-11 FOR		1
				BREAKDOWN.....		
				UOC:ANO		
2	PAFZZ	19204	5170484	BOLT,MACHINE.....		2
				UOC:ANO		
3	PAFZZ	88044	AN174-21A	BOLT,MACHINE.....		2
				UOC:ANO		
4	PAFZZ	19205	5170486	BOLT,MACHINE.....		2
				UOC:ANO		
5	XAFFF	19200	8448211	HEAD,BEARING ASSY.....		1
				UOC:ANO		
5	XADDD	19200	8448211	HEAD,BEARING ASSY ANO (MARINE		1
				CORPS ONLY).....		
6	PAFZZ	19205	6108397	..BEARING,SLEEVE.....		1
				UOC:ANO		
6	PADZZ	19205	6108397	BEARING,SLEEVE (MARINE CORPS ONLY).		1
				UOC:ANO		
7	XAFZZ	19204	5559419	..HEAD TRIPOD.....		1
				UOC:ANO		
8	PAFZZ	96906	MS51031-48	..SETSCREW.....		1
				UOC:ANO		
8	PADZZ	96906	MS51031-48	SETSCREW (MARINE CORPS ONLY).....		1
				UOC:ANO		
9	PAFFF	19204	6108395	..BOLT,MACHINE.....		1
				UOC:ANO		
10	PAFZZ	96906	MS16555-42	..PIN,STRAIGHT,HEADLE.....		1
				UOC:ANO		
11	XAFZZ	19204	6108400	..SCREW.....		1
				UOC:ANO		
12	PAFFF	19204	5559423	LEG,TRIPOD MOUNT SEE FIG. C-12 FOR		1
				BREAKDOWN.....		
				UOC:ANO		
13	PAFZZ	19204	6193782	NUT,FRONT LEG CLAMP.....		1
				UOC:ANO		
14	PAFZZ	96906	MS39086-95	PIN,SPRING.....		1
				UOC:ANO		
15	PAFZZ	96906	MS35691-826	NUT,PLAIN,HEXAGON.....		4
				UOC:ANO		
16	PAFZZ	19204	6108396	PLATE,RETAINING SER.....		2
				UOC:ANO		
17	PAFZZ	19205	5140237	SCREW,MACHINE.....		8
				UOC:ANO		
18	PAFZZ	19204	5141950	SCREW,MACHINE.....		2
				UOC:ANO		
19	PAFZZ	19205	11010529	WASHER,LOCK.....		2
				UOC:ANO		

SECTION II			TM9-1005-245-13&P		
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
20	PAFFF	19204	6108402	LATCH, PINTLE, MOUNT SEE FIG. C-16 FOR BREAKDOWN.....	1
				UOC:ANO	
21	PAFZZ	96906	MS35691-826	NUT, PLAIN, HEXAGON.....	2
				UOC:ANO	
22	PAFFF	19204	6507136	LEG, TRI MNT REAR RT SEE FIG. C-13 FOR BREAKDOWN.....	1
				UOC:ANO	
23	PAFZZ	19205	5140219	SPACER, SLEEVE.....	2
				UOC:ANO	
24	PAFZZ	19204	7149678	BAR ASSEMBLY, TRAVER.....	1
				UOC:ANO	

END OF FIGURE

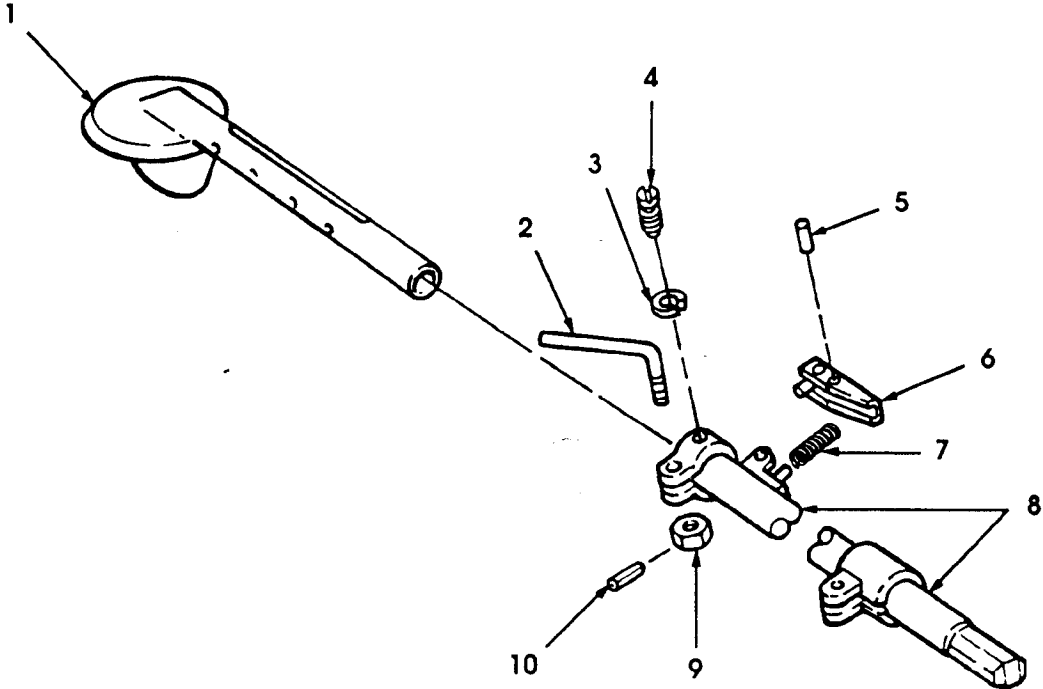


Figure C-11. Leg, Tripod, Mount 6507137 (Left Rear).

SECTION II			TM9-1005-245-13&P			(6)
(1)	(2)	(3)	(4)	(5)		
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY	
				GROUP 03		
				FIG.C-11 LEG,TRIPOD MOUNT 6507137		
				(LEFT REAR)		
1	PAFZZ	19200	11010426	LEG SECTION,TRIPOD.....	1	
				UOC:ANO		
2	PAFZZ	19204	5140211	HANDLE,MANUAL CONTR.....	1	
				UOC:ANO		
2	PAOZZ	19204	5140211	HANDLE,MANUAL CONTR (MARINE CORPS ONLY).....	1	
				UOC:ANO		
3	PAFZZ	19205	11010530	WASHER,LOCK.....	1	
				UOC:ANO		
3	PAOZZ	19205	11010530	WASHER,LOCK (MARINE CORPS ONLY)....	1	
				UOC:ANO		
4	PAFZZ	19204	5140213	SETSCREW.....	1	
				UOC:ANO		
4	PAOZZ	19204	5140213	SETSCREW (MARINE CORPS ONLY).....	1	
				UOC:ANO		
5	PAFZZ	19205	5140210	PIN,STRAIGHT,HEADLE.....	1	
				UOC:ANO		
6	PAFZZ	19204	5140204	LEVER,MANUAL CONTRO.....	1	
				UOC:ANO		
7	PAFZZ	19205	5140209	SPRING,HELICAL,COMP.....	1	
				UOC:ANO		
8	XAFZZ	19204	5559428	LEG.....	1	
				UOC:ANO		
9	PAFZZ	19205	11010421	NUT,PLAIN,HEXAGON.....	1	
				UOC:ANO		
9	PAOZZ	19205	11010421	NUT,PLAIN,HEXAGON (MARINE CORPS ONLY).....	1	
				UOC:ANO		
10	PAFZZ	96906	MS39086-54	PIN,SPRING.....	1	
				UOC:ANO		
10	PAOZZ	96906	MS39086-54	PIN,SPRING (MARINE CORPS ONLY).....	1	
				UOC:ANO		

END OF FIGURE

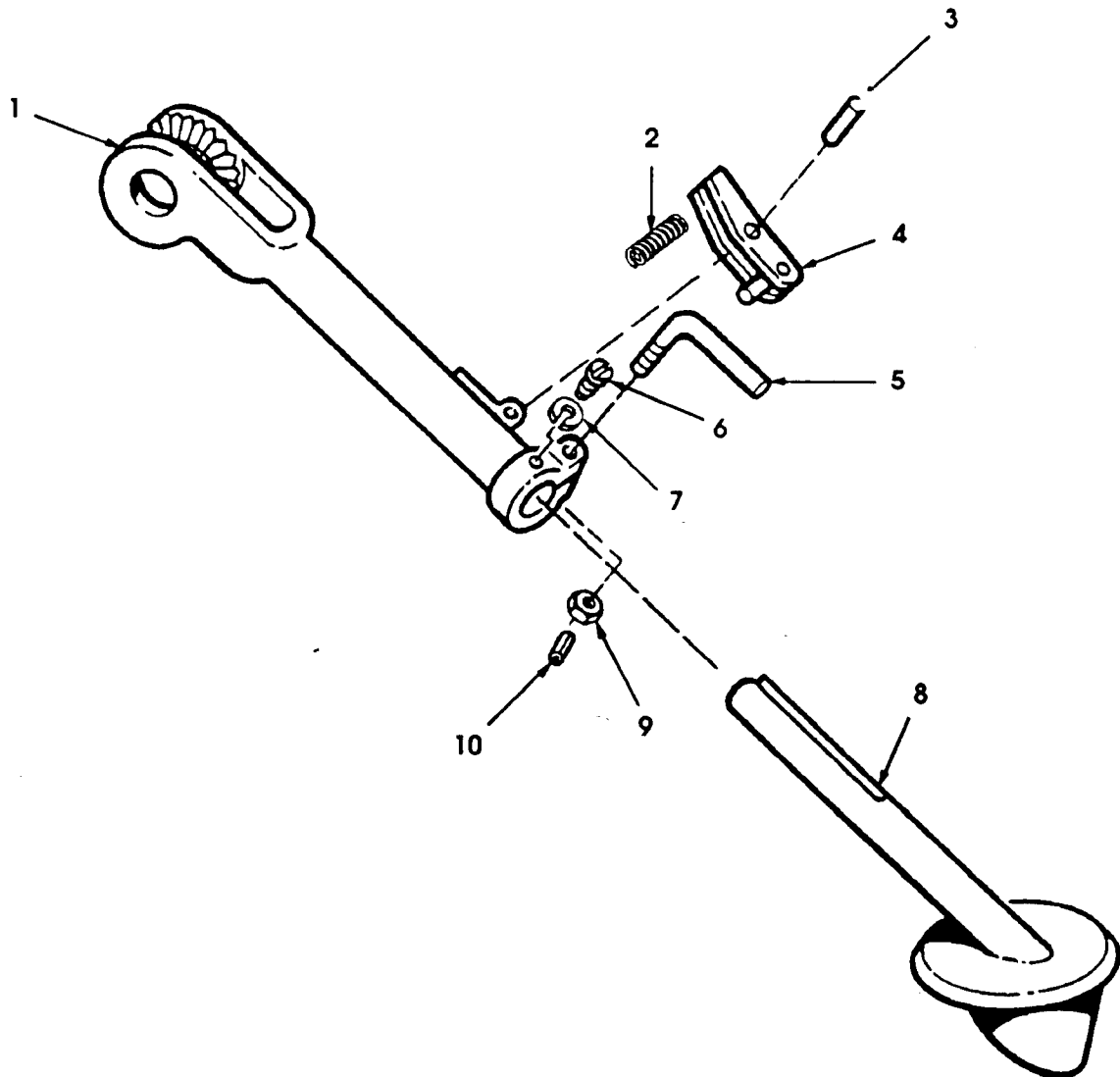


Figure C-12. Leg, Tripod, Mount 5559423 (Front).

SECTION II			TM9-1005-245-13&P	(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR		PART		
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY

GROUP 04
 FIG.C-12 LEG,TRIPOD MOUNT 5559423
 (FRONT)

1	XAFZZ	19204	5559424	LEG.....	1
				UOC:ANO	
2	PAFZZ	19205	5140209	SPRING,HELICAL,COMP.....	1
				UOC:ANO	
3	PAFZZ	19205	5140210	PIN,STRAIGHT,HEADLE.....	1
				UOC:ANO	
4	PAFZZ	19204	5140204	LEVER,MANUAL CONTRO.....	1
				UOC:ANO	
5	PAFZZ	19204	5140211	HANDLE,MANUAL CONTR.....	1
				UOC:ANO	
5	PAOZZ	19204	5140211	HANDLE,MANUAL CONTR (MARINE CORPS ONLY).....	1
				UOC:ANO	
6	PAFZZ	19204	5140213	SETSCREW.....	1
				UOC:ANO	
6	PAOZZ	19204	5140213	SETSCREW (MARINE CORPS ONLY).....	1
				UOC:ANO	
7	PAFZZ	19205	11010530	WASHER,LOCK.....	1
				UOC:ANO	
7	PAOZZ	19205	11010530	WASHER,LOCK (MARINE CORPS ONLY)....	1
				UOC:ANO	
8	XAFZZ	19204	6108384	LEG.....	1
				UOC:ANO	
9	PAFZZ	19205	11010421	NUT,PLAIN,HEXAGON.....	1
				UOC:ANO	
9	PAOZZ	19205	11010421	NUT,PLAIN,HEXAGON (MARINE CORPS ONLY).....	1
				UOC:ANO	
10	PAFZZ	96906	MS39086-54	PIN,SPRING.....	1
				UOC:ANO	
10	PAOZZ	96906	MS39026-54	PIN,SPRING (MARINE CORPS ONLY).....	1
				UOC:ANO	

END OF FIGURE

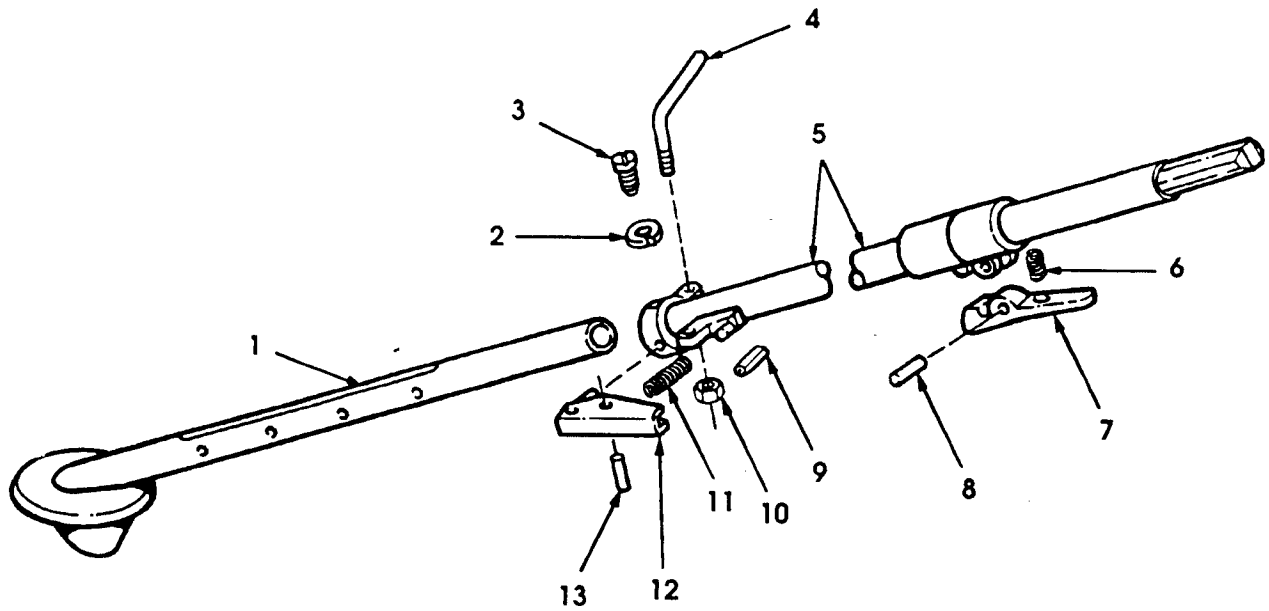


Figure C-13. Leg, Tripod, Mount 6507136 (Right Rear).

SECTION II			TM9-1005-245-13&P	(5)	(6)
(1)	(2)	(3)	(4)		
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
				GROUP 05	
				FIG.C-13 LEG,TRIPOD MOUNT 6507136	
				(RIGHT REAR)	
1	PAFZZ	19200	11010426	LEG SECTION,TRIPOD.....	1
				UOC:ANO	
2	PAFZZ	19205	11010530	WASHER,LOCK.....	1
				UOC:ANO	
2	PAOZZ	19205	11010530	WASHER,LOCK (MARINE CORPS ONLY)....	1
				UOC:ANO	
3	PAFZZ	19204	5140213	SETSCREW.....	1
				UOC:ANO	
3	PAOZZ	19204	5140213	SETSCREW (MARINE CORPS ONLY).....	1
				UOC:ANO	
4	PAFZZ	19204	5140211	HANDLE,MANUAL CONTR.....	1
				UOC:ANO	
4	PAOZZ	19204	5140211	HANDLE,MANUAL CONTR (MARINE CORPS ONLY).....	1
				UOC:ANO	
5	XAFZZ	19200	5559425	LEG REAR RT UPPER.....	1
				UOC:ANO	
6	PAFZZ	19205	5140215	SPRING,HELICAL,COMP.....	1
				UOC:ANO	
7	PAFZZ	19204	5140216	LEVER,LOCK-RELEASE.....	1
				UOC:ANO	
8	PAFZZ	19204	5140217	PIN,STRAIGHT,HEADLE.....	1
				UOC:ANO	
9	PAFZZ	96906	MS39086-54	PIN,SPRING.....	1
				UOC:ANO	
9	PAOZZ	96906	MS39086-54	PIN,SPRING (MARINE CORPS ONLY).....	1
				UOC:ANO	
10	PAFZZ	19205	11010421	NUT,PLAIN,HEXAGON.....	1
				UOC:ANO	
10	PAOZZ	19205	11010421	NUT,PLAIN,HEXAGON (MARINE CORPS ONLY).....	1
				UOC:ANO	
11	PAFZZ	19205	5140209	SPRING,HELICAL,COMP.....	1
				UOC:ANO	
12	PAFZZ	19204	5140204	LEVER,MANUAL CONTRO.....	1
				UOC:ANO	
13	PAFZZ	19205	5140210	PIN,STRAIGHT,HEADLE.....	1
				UOC:ANO	

END OF FIGURE

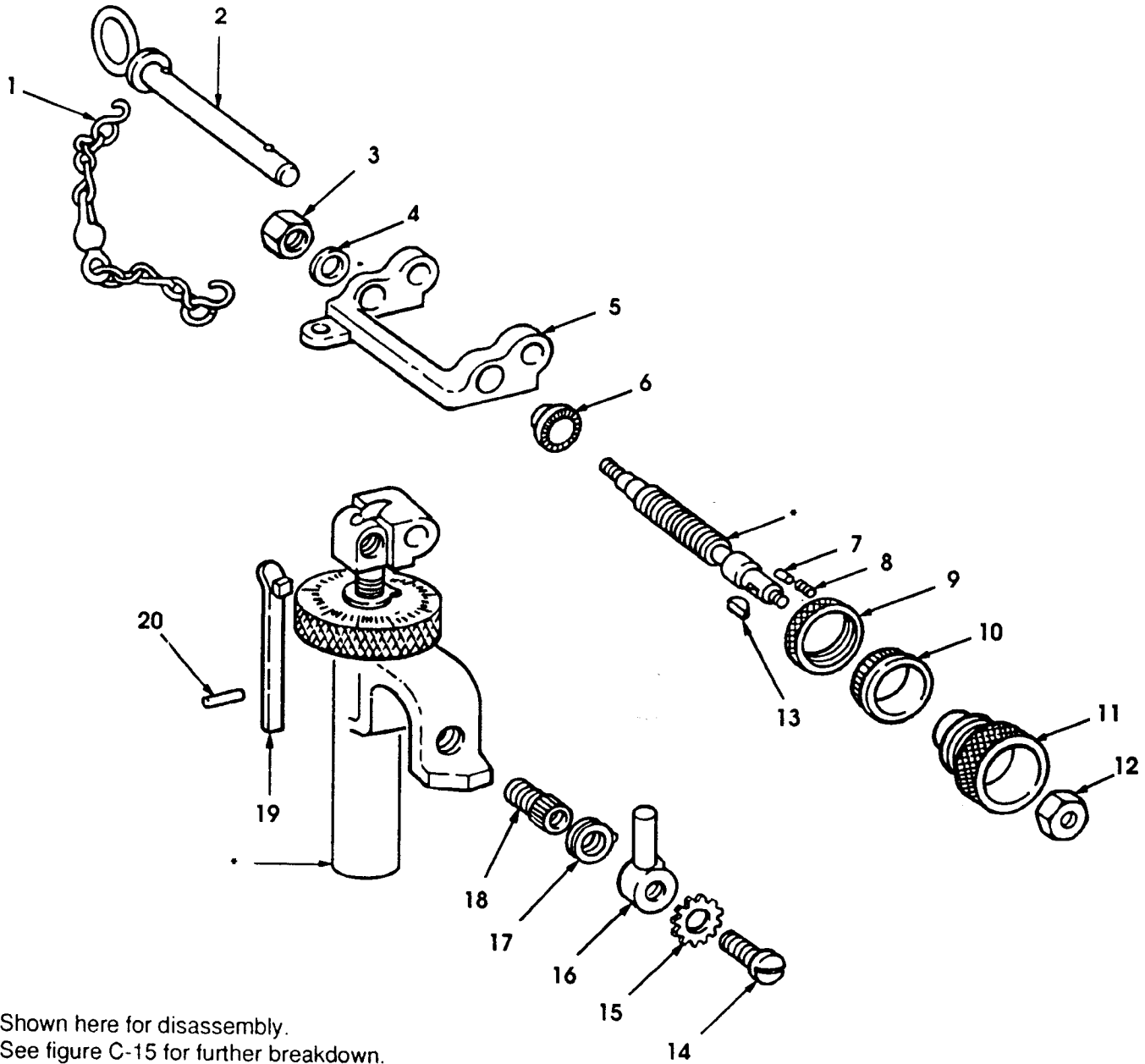
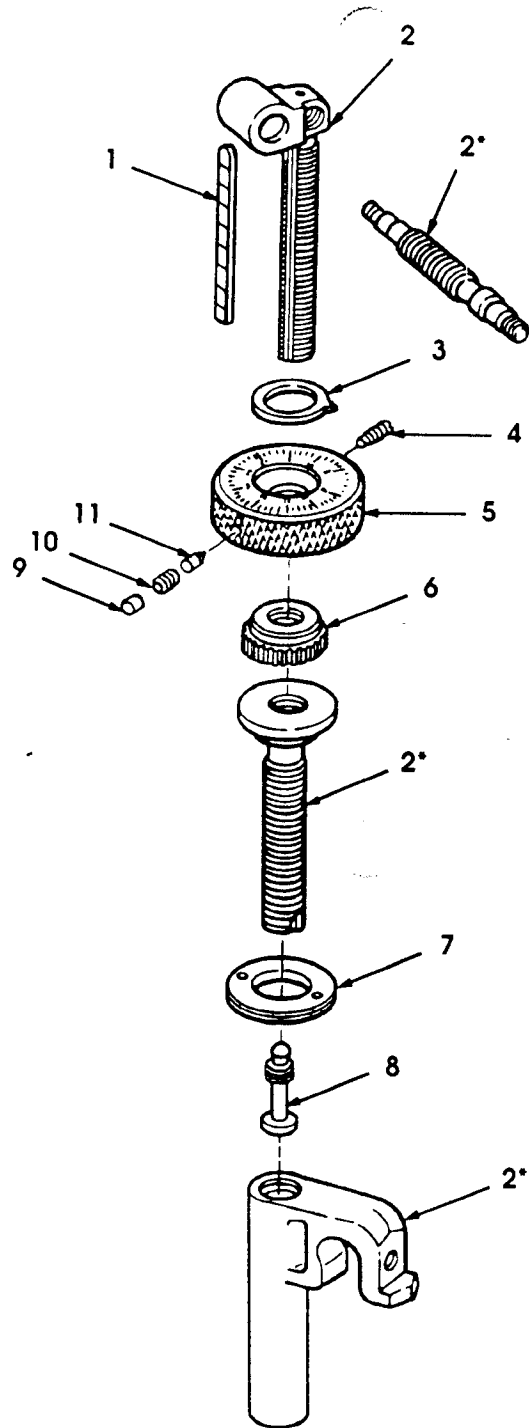


Figure C-14. Elevation Mechanism (Traversing and Clamping Unit) 5574621.

SECTION II			TM9-1005-245-13&P	(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR		PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE	CAGEC	NUMBER		
				GROUP 06	
				FIG.C-14 ELEVATION MECHANISM	
				(TRAVERSING AND CLAMPING	
				UNIT) 557' 521	
1	PAFZZ	19205	5141460	CHAIN ASSEMBLY, SING.....	1
				UOC:ANO	
1	PAOZZ	19205	5141460	CHAIN ASSEMBLY, SING (MARINE CORPS	1
				ONLY).....	
				UOC:ANO	
2	PAFZZ	19204	5174113	PIN, QUICK RELEASE.....	1
				UOC:ANO	
2	PAOZZ	19204	5174113	PIN, QUICK RELEASE (MARINE CORPS	1
				ONLY).....	
				UOC:ANO	
3	PAFZZ	96906	MS51943-2	NUT, SELF-LOCKING, HE.....	1
				UOC:ANO	
4	PAFZZ	19205	5174192	WASHER, FLAT.....	1
				UOC:ANO	
5	XAFZZ	19204	6166497	YOKE.....	1
				UOC:ANO	
6	PAFZZ	19200	5174123	RING, CLICK, TRAVERSI.....	1
				UOC:ANO	
7	PAFZZ	19205	5171495	PIN, STRAIGHT, HEADLE.....	1
				UOC:ANO	
8	PAFZZ	19205	11010547	SPRING, HELICAL, COMP.....	1
				UOC:ANO	
9	PAFZZ	19207	5171491	NUT, UNION.....	1
				UOC:ANO	
10	PAFZZ	19205	5171492	DIAL, SCALE.....	1
				UOC:ANO	
11	PAFZZ	19207	6158375	KNOB.....	1
				UOC:ANO	
12	PAFZZ	96906	MS51943-4	NUT, SELF-LOCKING, HE.....	1
				UOC:ANO	
13	PAFZZ	19205	11010407	KEY, WOODRUFF.....	1
				UOC:ANO	
14	PAFZZ	19204	5139989	SCREW, MACHINE.....	1
				UOC:ANO	
14	PAOZZ	19204	5139989	SCREW, MACHINE (MARINE CORPS ONLY)..	1
				UOC:ANO	
15	PAFZZ	19205	11010413	WASHER, LOCK.....	1
				UOC:ANO	
15	PAOZZ	19205	11010413	WASHER, LOCK (MARINE CORPS ONLY)....	1
				UOC:ANO	
16	PAFZZ	19200	5194313	LEVER, REMOTE CONTRO.....	1
				UOC:ANO	
16	PAOZZ	19200	5194313	LEVER, REMOTE CONTRO (MARINE CORPS	1
				ONLY).....	
				UOC:ANO	
17	PAFZZ	19205	8412295	SPRING, HELICAL, TORS.....	1
				UOC:ANO	

SECTION II			TM9-1005-245-13&P		
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
17	PAOZZ	19205	8412295	SPRING,HELICAL,TORS (MARINE CORPS ONLY).....	1
				UOC:ANO	
18	PAFZZ	19200	5140383	SCREW,SELF-LOCKING.....	1
				UOC:ANO	
18	PAOZZ	19200	5140383	SCREW,SELF-LOCKING (MARINE CORPS ONLY).....	1
				UOC:ANO	
19	PAFZZ	19200	5189756	SPRING,FLAT.....	1
				UOC:ANO	
20	PAFZZ	96906	MS16562-120	PIN,SPRING.....	1
				UOC:ANO	

END OF FIGURE



* Furnished with identically numbered item.

Figure C-15. Elevation Mechanism (Lower and Upper Elevating Unit) 5574621.

SECTION II			TM9-1005-245-13&P		(5)	(6)
(1)	(2)	(3)	(4)			
ITEM	SMR		PART			
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY	
				GROUP 06		
				FIG.C-15 ELEVATION MECHANISM		
				(LOWER AND UPPER ELEVATING		
				UNIT) 5574621		
1	PAFZZ	19204	5140669	PLATE,DESIGNATION.....	1	
				UOC:ANO		
2	PBFZZ	19204	5591828	SCREW ASSEMBLY.....	1	
				UOC:ANO		
3	PAFZZ	19204	5139982	POINTER,DIAL.....	1	
				UOC:ANO		
4	PAFZZ	19204	5140612	SETSCREW.....	1	
				UOC:ANO		
5	PAFZZ	19204	6108211	KNOB.....	1	
				UOC:ANO		
6	PAFZZ	19200	5140137	RING,CLICK,ELEVATIN.....	1	
				UOC:ANO		
7	PAFZZ	19205	5140485	RING,EXTERNALLY THR.....	1	
				UOC:ANO		
8	PAFZZ	19204	8408768	STOP,GUN,AUTOMATIC.....	1	
				UOC:ANO		
9	PAFZZ	19204	5139995	DISK,SOLID,PLAIN.....	1	
				UOC:ANO		
10	PAFZZ	19205	11010523	SPRING,HELICAL,COMP.....	1	
				UOC:ANO		
11	PAFZZ	19205	11010522	PIN,STRAIGHT,HEADLE.....	1	
				UOC:ANO		

END OF FIGURE

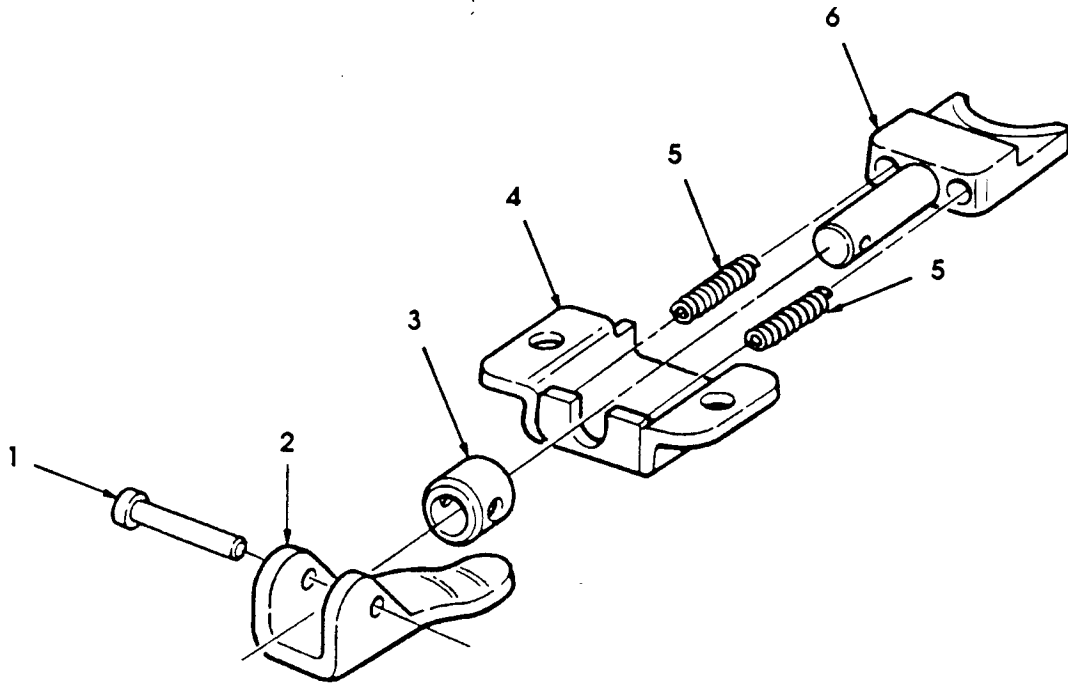


Figure C-16. Latch, Pintle Mount 6108402.

SECTION II			TM9-1005-245-13&P		
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 07					
FIG.C-16 LATCH,PINTLE,MOUNT 6108402					
1	PAFZZ	19205	11010448	RIVET,SOLID.....	1
				UOC:ANO	
2	PAFZZ	19205	5141080	CAM,PINTLE LOCK REL.....	1
				UOC:ANO	
3	XAFZZ	19204	5141081	COLLAR, SHAFT.....	1
				UOC:ANO	
4	XAFZZ	19205	6153118	HOUSING.....	1
				UOC:ANO	
5	PAFZZ	19205	5140209	SPRING, HELICAL, COMP.....	2
				UOC:ANO	
6	XAFZZ	19204	5140225	LOCK.....	1
				UOC:ANO	

END OF FIGURE

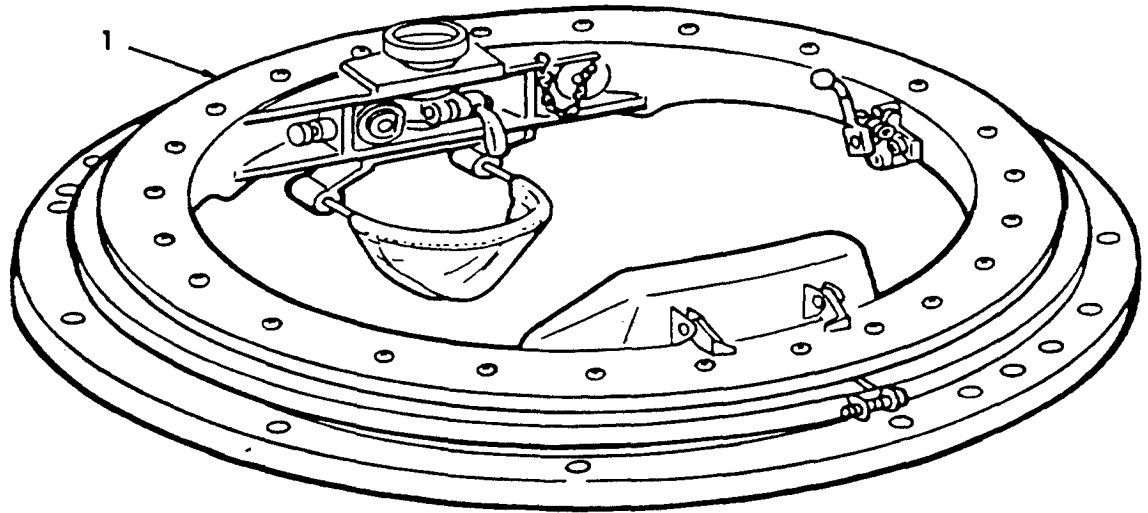


Figure C-17. Ring, Mount, Machine Gun, M66 7012810 (Assembled View).

SECTION II			TM9-1005-245-13&P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00					
FIG.C-17 RING, MOUNT, MACHINE GUN, M66 7012810 (ASSEMBLED VIEW)					
1	PAFFF	19204	7012810	RING, MOUNT, MACHINE GUN, M66.....	1
1	PAOFF	19204	7012810	RING, MOUNT, MACHINE GUN, M66 (MARINE CORPS ONLY)	1

END OF FIGURE

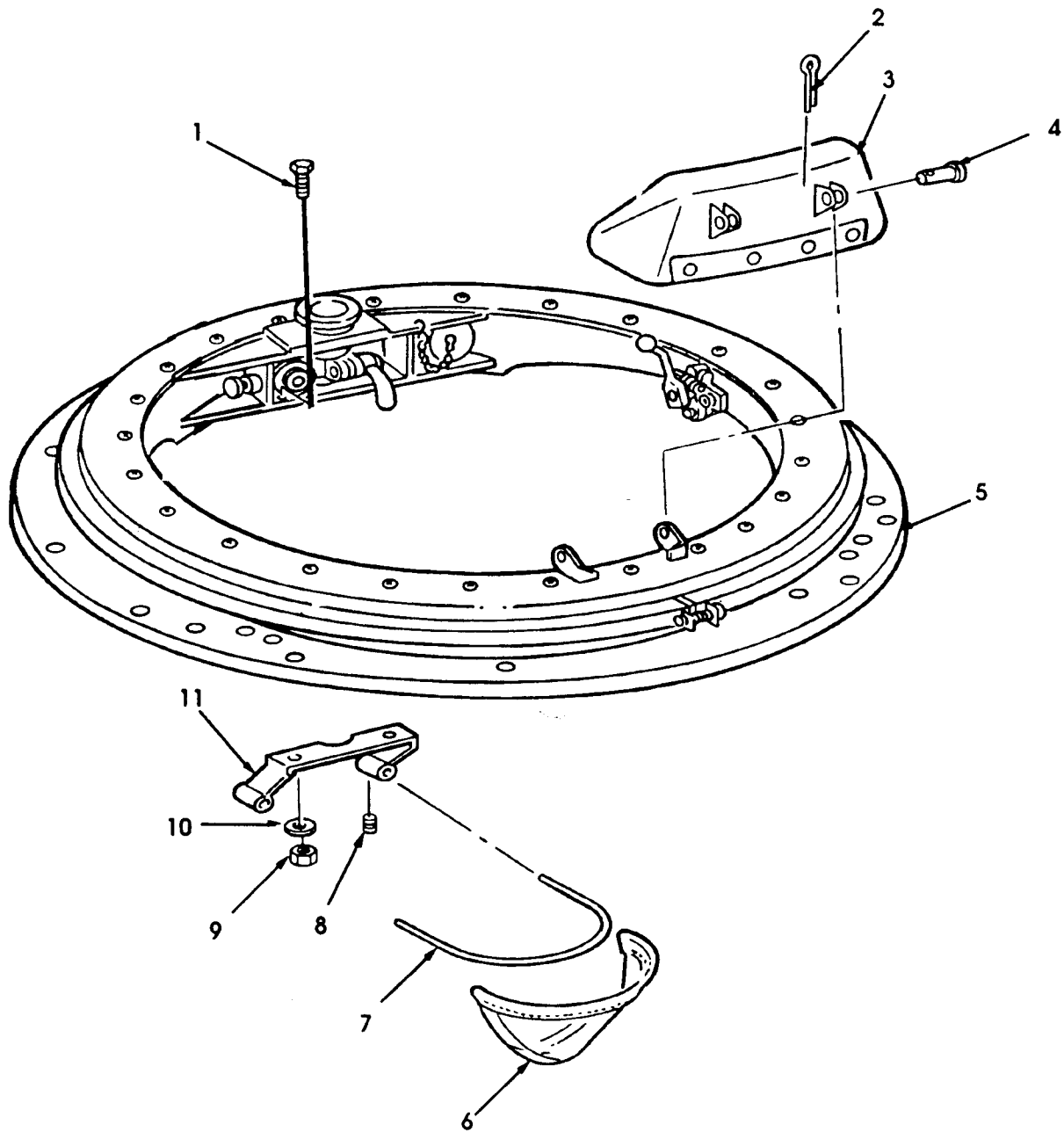
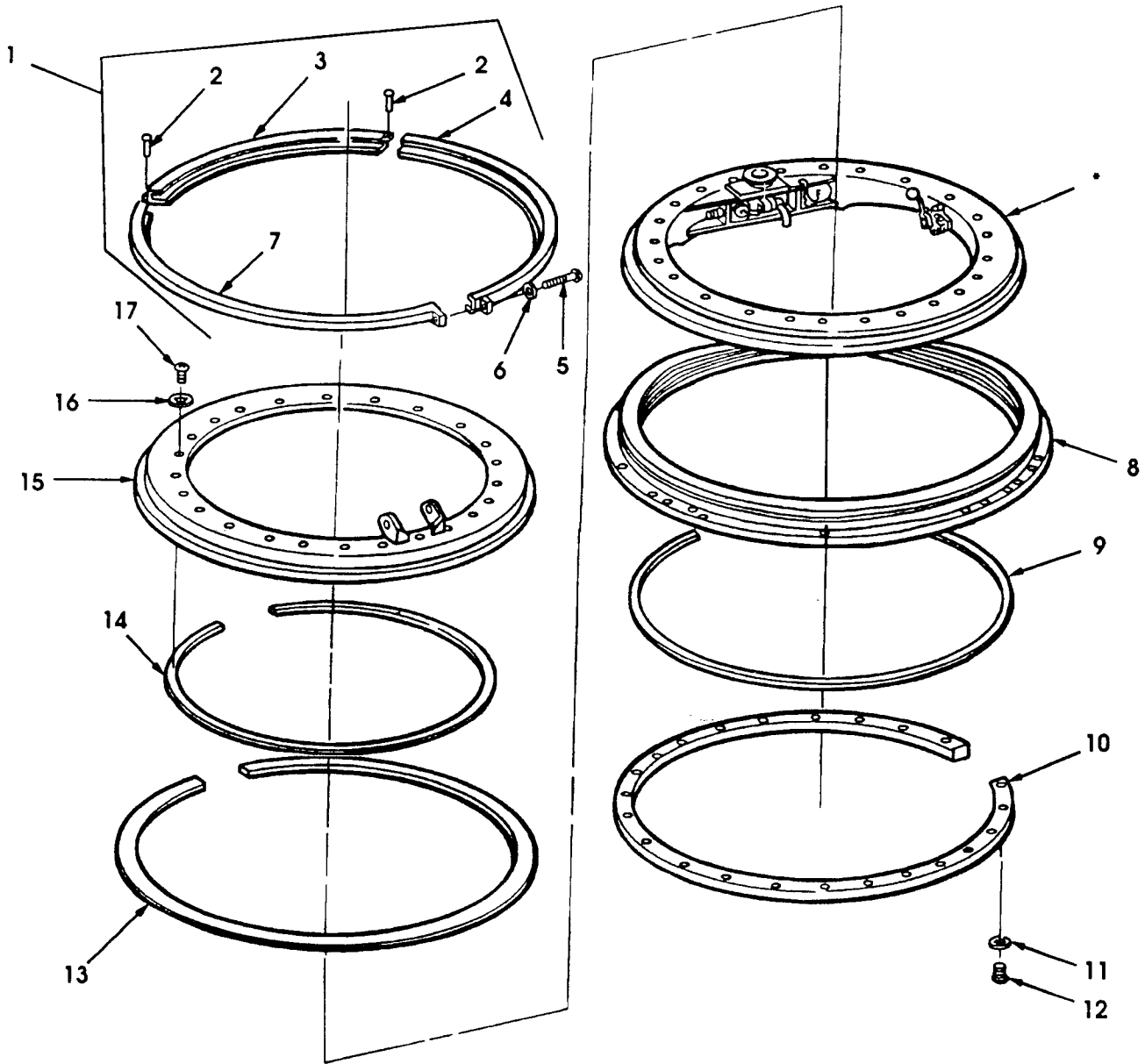


Figure C-18. Ring, Mount, Machine Gun, M66 7012810.

SECTION II			TM9-1005-245-13&P		(5)	(6)
(1)	(2)	(3)	(4)			
ITEM	SMR		PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY	
NO	CODE	CAGEC	NUMBER			
				GROUP 00		
				FIG.C-18 RING,MOUNT,MACHINE GUN, M66 7012810		
1	PAOZZ	96906	MS90727-86	SCREW,CAP,HEXAGON H.....	2	
				UOC:AM4,AR3		
2	PAOZZ	96906	MS24665-132	PIN,COTTER.....	2	
				UOC:AM4,AR3		
3	PAOZZ	19204	10945028	PAD,CUSHIONING.....	1	
				UOC:AM4,AR3		
4	PAOZZ	96906	MS35810-2	PIN,STRAIGHT,HEADED.....	2	
				UOC:AM4,AR3		
5	XAOFF	19204	7012727	RING ASSEMBLY SEE FIGS. C-19 AND C- 20 FOR BREAKDOWN.....	1	
				UOC:AM4,AR3		
5	XAOFF	19204	7012727	RING ASSEMBLY SEE FIGS. C-19 AND C- 20 FOR BREAKDOWN (MARINE CORPS ONLY).....	1	
				UOC:AM4,AR3		
6	PAOZZ	19204	11589551	DEFLECTOR,CARTRIDGE.....	1	
				UOC:AM4,AR3		
7	PAOZZ	19207	10907432-4	WIRE,NONELECTRICAL.....	1	
				UOC:AM4,AR3		
8	PAOZZ	96906	MS51963-64	SETSCREW.....	2	
				UOC:AM4,AR3		
9	PAOZZ	96906	MS51922-29	NUT,SELF-LOCKING,HE.....	2	
				UOC:AM4,AR3		
10	PAOZZ	96906	MS27183-16	WASHER,FLAT.....	2	
				UOC:AM4,AR3		
11	PAOZZ	19204	11631739	SUPPORT,DEFLECTOR.....	1	
				UOC:AM4,AR3		

END OF FIGURE



* See figure C-20 for further breakdown.

Figure C-19. Ring Assembly 7012727 and Ring Assembly 7012725.

SECTION II			TM9-1005-245-13&P	(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR		PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE	CAGEC	NUMBER		
				GROUPS 01,0101,0101,AND 010101	
				FIG.C-19 RING ASSEMBLY 7012727 AND	
				RING ASSEMBLY 7012725	
1	PAFFF	19204	7012725	RING ASSEMBLY.....	1
				UOC:AM4,AR3	
1	PAOFF	19204	7012725	RING ASSEMBLY (MARINE CORPS ONLY)..	1
				UOC:AM4,AR3	
2	PAFZZ	19207	7012720	PIN, STRAIGHT, HEADED.....	2
				UOC:AM4,AR3	
3	PAFZZ	19204	7012723	SEGMENT, SEAL RING.....	1
				UOC:AM4,AR3	
4	PAFZZ	19204	7012722	SEGMENT SEAL RING.....	1
				UOC:AM4,AR3	
5	PAFZZ	96906	MS35206-268	SCREW, MACHINE.....	1
				UOC:AM4,AR3	
6	PAFZZ	96906	MS35338-43	WASHER, LOCK.....	1
				UOC:AM4,AR3	
7	PAFZZ	19204	7012724	SEGMENT, SEAL RING.....	1
				UOC:AM4,AR3	
8	XAFZZ	19204	7070851	RING, OUTER SEAL.....	1
				UOC:AM4,AR3	
9	PAFZZ	19204	7012805-1	FELT, MECHANICAL, PRE.....	1
				UOC:AM4,AR3	
10	PAFZZ	19204	7012726	RING, SEAL RETAINER.....	1
				UOC:AM4,AR3	
11	PAFZZ	96906	MS35333-38	WASHER, LOCK.....	22
				UOC:AM4,AR3	
12	PAFZZ	96906	MS35206-246	SCREW, MACHINE.....	22
				UOC:AM4,AR3	
13	PAFZZ	19204	7012805-2	FELT, MECHANICAL, PRE.....	1
				UOC:AM4,AR3	
14	PAFZZ	19204	7012806	FELT, MECHANICAL, PRE.....	1
				UOC:AM4,AR3	
15	PAFZZ	19204	7012701	RING, OUTER SEAL.....	1
				UOC:AM4,AR3	
16	PAFZZ	96906	MS35333-39	WASHER, LOCK.....	24
				UOC:AM4,AR3	
17	PAFZZ	96906	MS35207-263	SCREW, MACHINE.....	24
				UOC:AM4,AR3	

END OF FIGURE

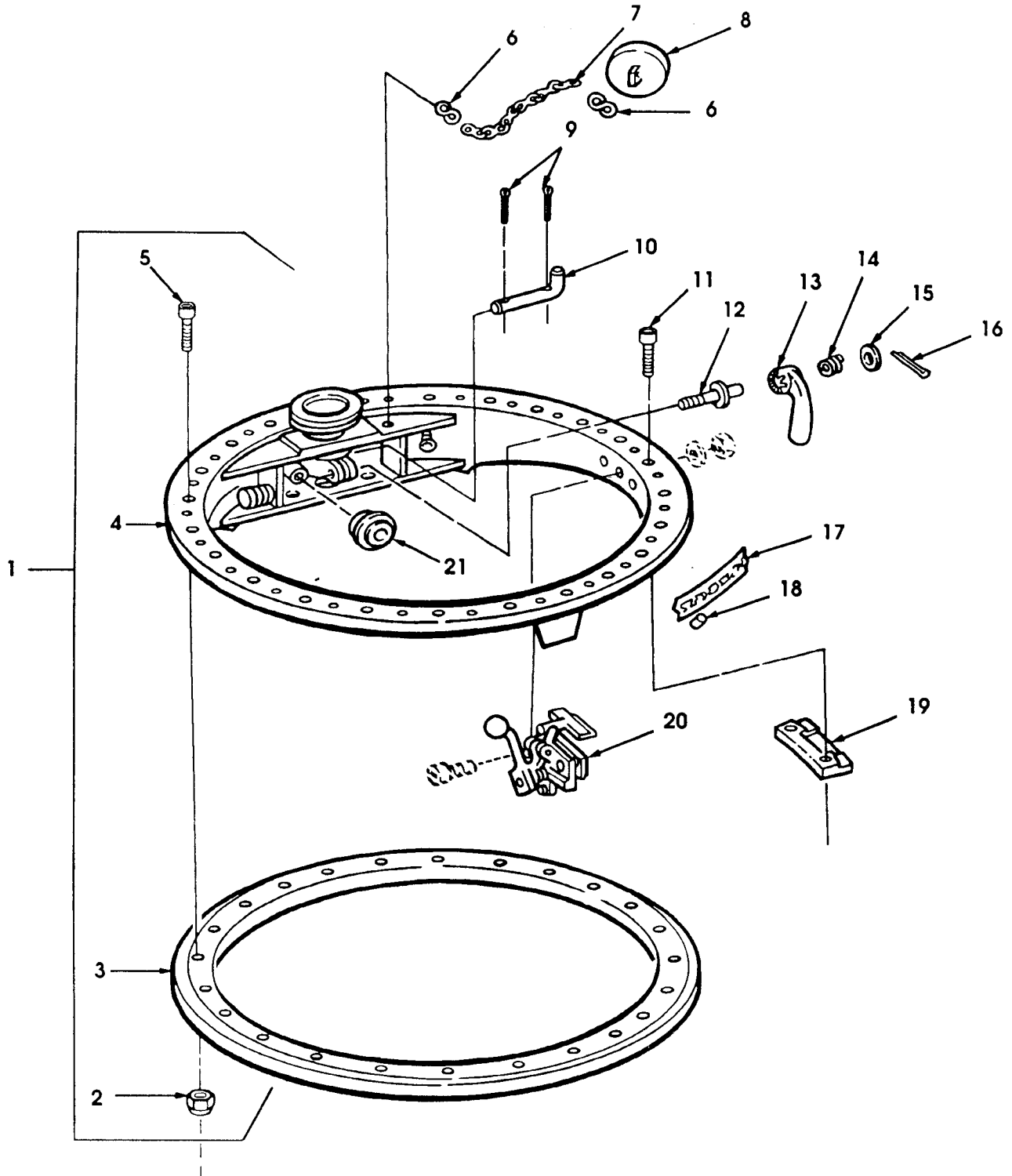


Figure C-20. Ring Assembly 7012727 and Ring 7070704.

SECTION II			TM9-1005-245-13&P	(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR		PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE	CAGEC	NUMBER		
				GROUPS 01, 0102, 0101, AND 010102	
				FIG.C-20 RING ASSEMBLY 7012727 AND	
				RING 7070704	
1	PAFFF	19204	7070704	RING.....	1
				UOC:AM4,AR3	
2	PAFZZ	96906	MS51922-9	..NUT, SELF-LOCKING, HE.....	22
				UOC:AM4,AR3	
3	PAFZZ	19204	7012702	..RING, REVOLVING, LOWE.....	1
				UOC:AM4	
4	XAFZZ	19204	7012713	..RING UPPER REVOLV.....	1
				UOC:AM4,AR3	
5	PAFZZ	96906	MS16997-84	..SCREW, CAP, SOCKET HE.....	22
				UOC:AM4,AR3	
6	PAOZZ	96906	MS87006-3	HOOK, CHAIN, S.....	2
				UOC:AM4,AR3	
7	PAOZZ	81348	RRC271	CHAIN, WELDLESS.....	1
				UOC:AM4,AR3	
8	PAOZZ	19204	7012747	CAP, PINTLE SOCKET.....	1
				UOC:AM4,AR3	
9	PAOZZ	96906	MS24665-283	PIN, COTTER.....	2
				UOC:AM4,AR3	
10	PAFZZ	19204	7012730	HANDLE, PINTLE LOCK.....	1
				UOC:AM4,AR3	
11	PAFZZ	96906	MS16997-84	SCREW, CAP, SOCKET HE.....	2
				UOC:AM4,AR3	
11	PAOZZ	96906	MS16997-84	SCREW, CAP, SOCKET HE (MARINE CORPS ONLY).....	2
				UOC:AM4,AR3	
12	PAFZZ	19204	7012804	PIN, SHOULDER, HEADLE.....	1
				UOC:AM4,AR3	
12	PAOZZ	19204	7012804	PIN, SHOULDER, HEADLE (MARINE CORPS ONLY).....	1
				UOC:AM4,AR3	
13	PAFZZ	19204	7012731	HANDLE, MANUAL CONTR.....	1
				UOC:AM4,AR3	
13	PAOZZ	19204	7012731	HANDLE, MANUAL CONTR (MARINE CORPS ONLY).....	1
				UOC:AM4,AR3	
14	PAFZZ	19207	7012733	SPRING, HELICAL, COMP.....	1
				UOC:AM4,AR3	
14	PAOZZ	19207	7012733	SPRING, HELICAL, COMP (MARINE CORPS ONLY).....	1
				UOC:AM4,AR3	
15	PAFZZ	19204	7012732	SPACER, RING.....	1
				UOC:AM4,AR3	
15	PAOZZ	19204	7012732	SPACER, RING (MARINE CORPS ONLY).....	1
				UOC:AM4,AR3	
16	PAOZZ	96906	MS24665-285	PIN, COTTER.....	1
				UOC:AM4,AR3	
17	XDFZZ	19204	7012740	SEGMENT, SEPARATOR.....	16
				UOC:AM4,AR3	

SECTION II			TM9-1005-245-13&P		
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
18	PAFZZ	19207	8668937	DISK,SOLID,PLAIN.....	96
				UOC:AM4,AR3	
19	PAFZZ	19204	7012762	CLAMP,BRAKE LINING.....	1
				UOC:AM4,AR3	
20	PAFFF	19204	7012801	BRAKE,RING SEE FIG. C-21 FOR	1
				BREAKDOWN.....	
				UOC:AM4,AP3	
20	PAOFF	19204	7012801	BRAKE,RING SEE FIG. C-21 FOR	1
				BREAKDOWN	
				(MARINE CORPS ONLY).....	
				UOC:AM4,AR3	
21	PAOZZ	19204	7012728	BUSHING,SLEEVE.....	1
				UOC:AM4,AR3	

END OF FIGURE

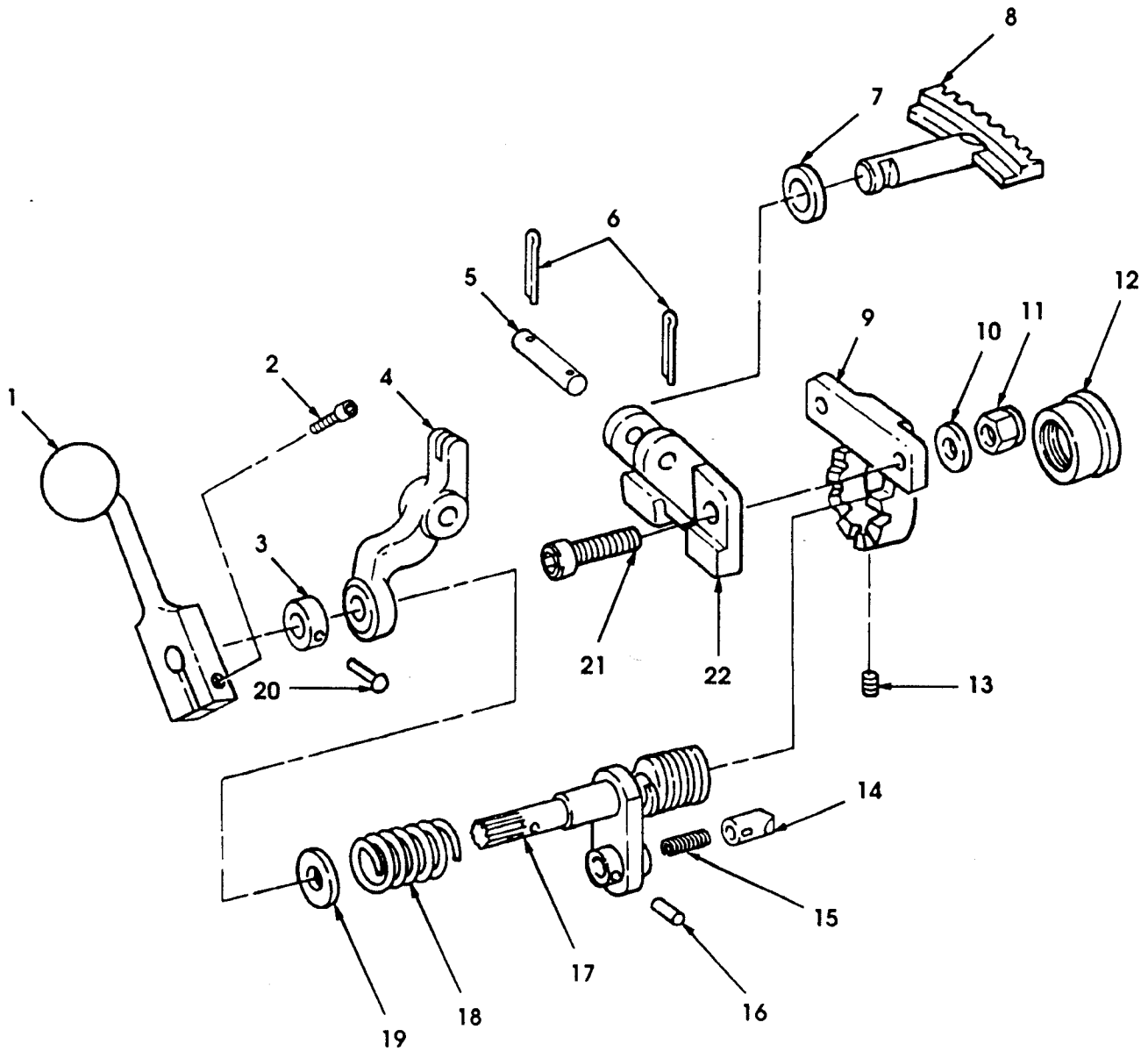


Figure C-21. Brake, Ring 7012801.

SECTION II			TM9-1005-245-13&P	(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR		PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE	CAGEC	NUMBER		
GROUPS 0103 AND 010103					
FIG.C-21 BRAKE,RING 7012801					
1	PAOZZ	19204	7012759	LEVER,MANUAL CONTRO.....	1
				UOC:AM4,AR3	
2	PAOZZ	96906	MS16997-60	SCREW,CAP, SOCKET HE.....	1
				UOC:AM4,AR3	
3	PAFZZ	19204	7012800	COLLAR, SHAFT.....	1
				UOC:AM4,AR3	
4	PAFZZ	19204	7012756	CAM, BRAKE SHOE.....	1
				UOC:AM4,AR3	
5	PAFZZ	96906	MS51932-59	PIN, STRAIGHT, HEADLE.....	1
				UOC:AM4,AR3	
6	PAOZZ	96906	MS24665-283	PIN, COTTER.....	2
				UOC:AM4,AR3	
7	PAFZZ	19207	7070734	WASHER, FLAT.....	1
				UOC:AM4,AR3	
8	PAFZZ	19204	7012765	BRAKE SHOE SET.....	1
				UOC:AM4,AR3	
9	PAFZZ	19204	7012758	BRACKET, CAM BRAKE.....	1
				UOC:AM4,AR3	
10	PAFZZ	96906	MS27183-15	WASHER, FLAT.....	2
				UOC:AM4,AR3	
11	PAFZZ	96906	MS51922-17	NUT, SELF-LOCKING, HE.....	2
				UOC:AM4,AR3	
12	PAFZZ	19207	7012761	NUT, PLAIN, ROUND.....	1
				UOC:AM4,AR3	
13	PAFZZ	96906	MS51963-67	SETSCREW.....	1
				UOC:AM4,AR3	
14	PAFZZ	19204	7012753	BODY, DETENT BRAKE R.....	1
				UOC:AM4,AR3	
15	PAFZZ	19207	7012752	SPRING, HELICAL, COMP.....	1
				UOC:AM4,AR3	
16	PAFZZ	96906	MS16556-628	PIN, STRAIGHT, HEADLE.....	1
				UOC:AM4,AR3	
17	PAFZZ	19204	7012757	WORM, SHAFT ASSEMBLY.....	1
				UOC:AM4,AR3	
18	PAFZZ	19204	7012748	SPRING, HELICAL, COMP.....	1
				UOC:AM4,AR3	
19	PAFZZ	19207	7012749	WASHER, CONVEX.....	1
				UOC:AM4,AR3	
20	PAFZZ	96906	MS35743-11	RIVET, SOLID.....	1
				UOC:AM4,AR3	
21	PAFZZ	96906	MS16997-102	SCREW,CAP, SOCKET HE.....	2
				UOC:AM4,AR3	
22	PAFZZ	19204	7012760	BRACKET, BRAKE SHOE.....	1
				UOC:AM4,AR3	

END OF FIGURE

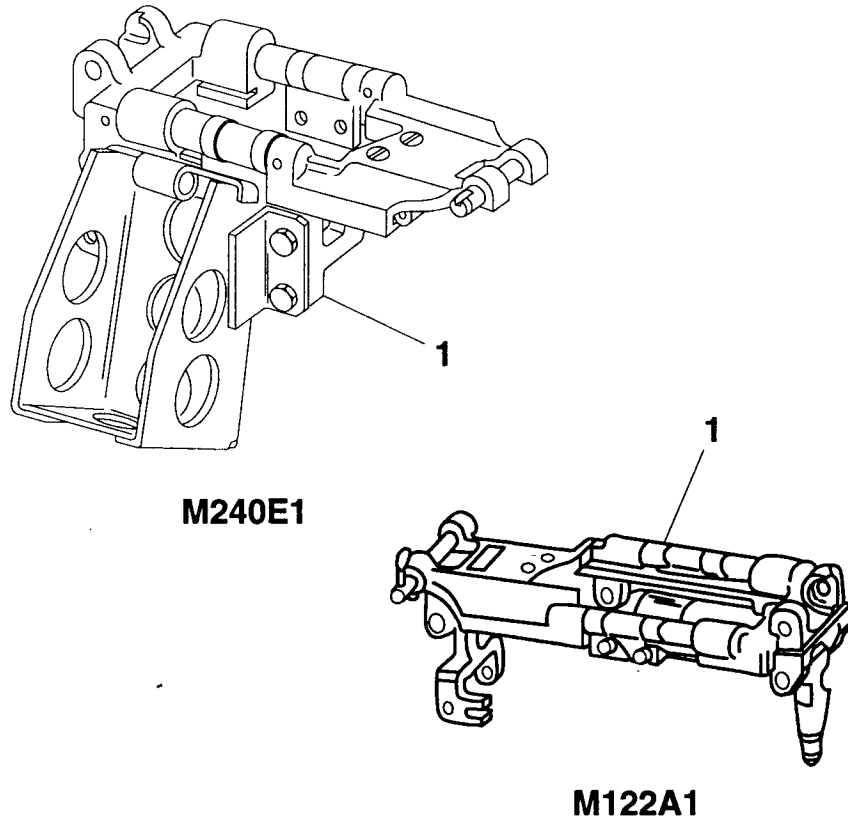
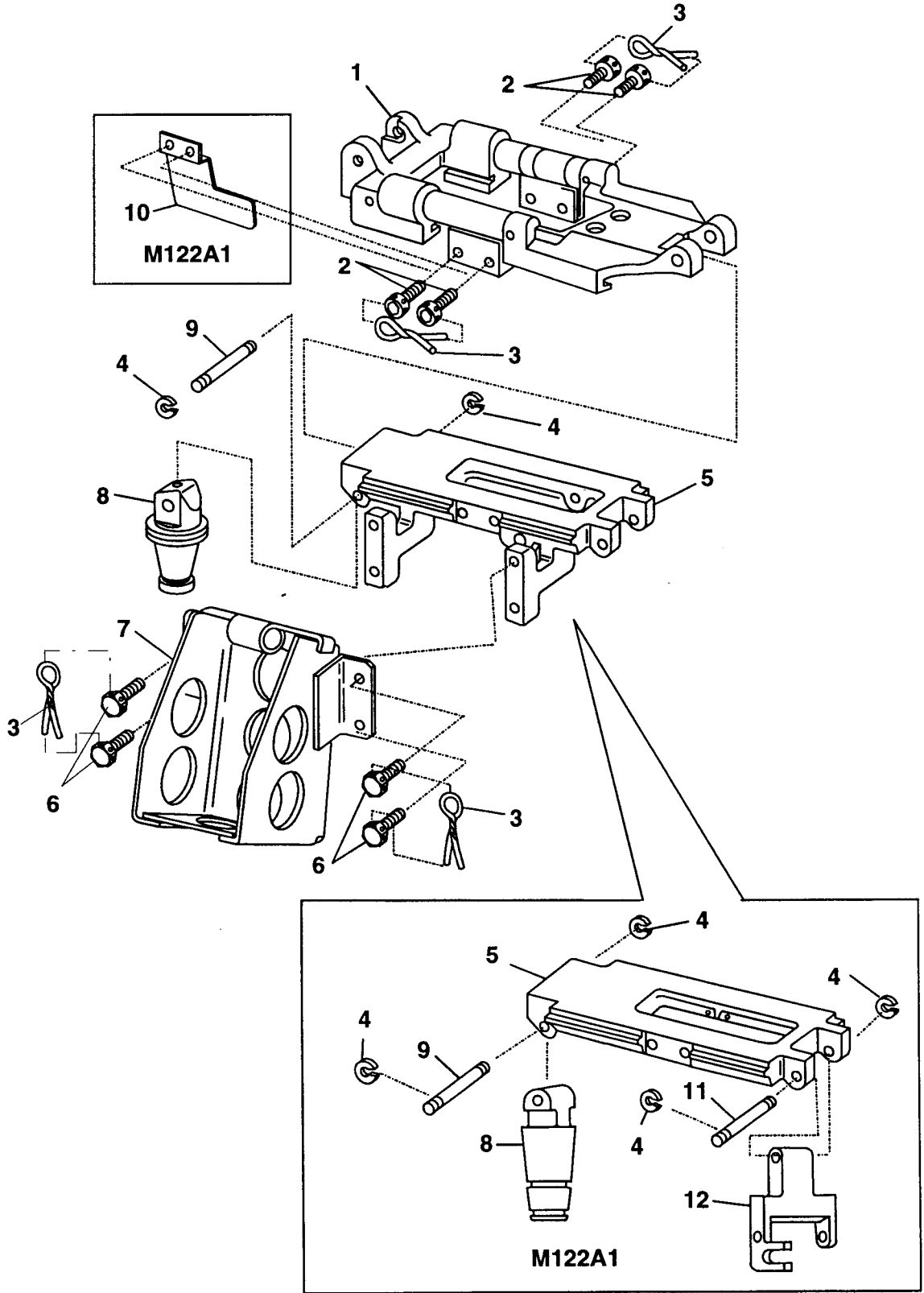


Figure C-22. M240E1 Flexible Mount Assembly, 12597090;
 Flexible Mount Assembly, 12976940 (Assembled View)

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 00					
FIG. C-22 M240E1 FLEXIBLE MACHINE GUN MOUNT (ASSEMBLED VIEW), 12597090; FLEXIBLE MOUNT ASSY, 12976940					
1	PAOFF	19200	12597090	M240E1 FLEXIBLE MACHINE GUN MOUNT UOC: AM9.....	1
1	PAOFF	19200	12976940	FLEXIBLE MOUNT ASSEMBLY UOC: BC5, BC6.....	1

END OF FIGURE



Change 2

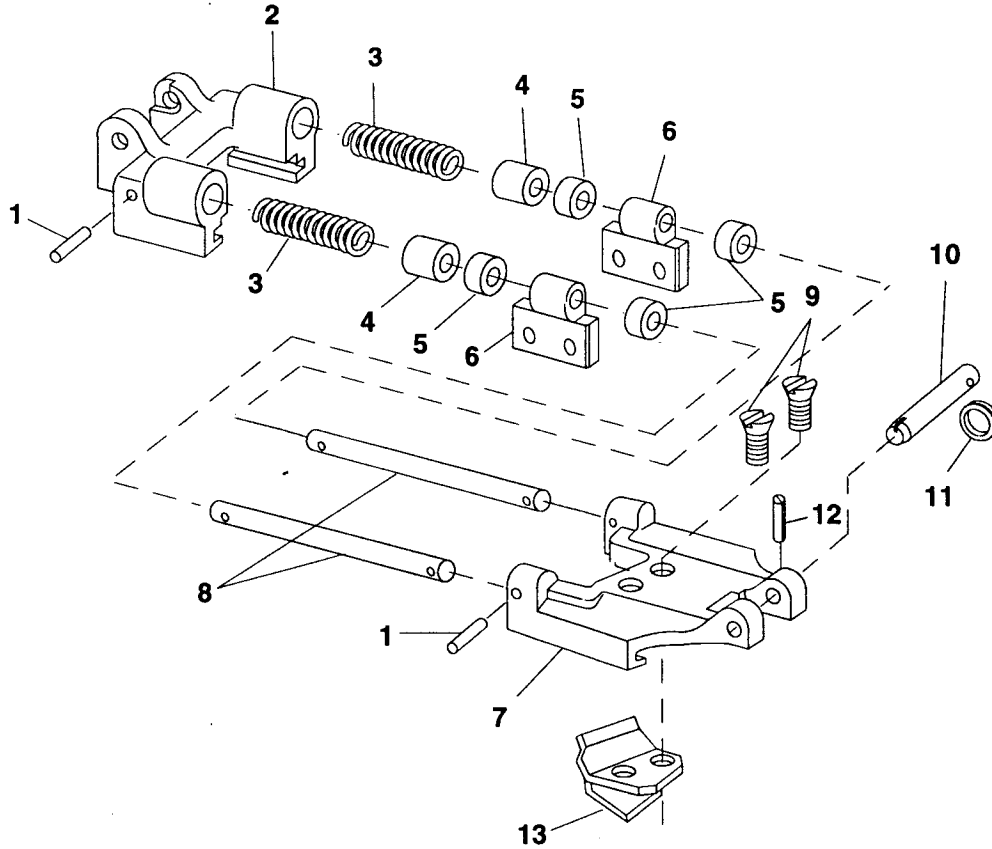
Figure C-23. M240E1 Flexible Mount Assembly, 12597090;
Flexible Mount Assembly, 12976940

SECTION II

ARMY TM 9-1005-245-13&P
 MARINE CORPS TM 1005-13&P/1
 AIR FORCE T.O. 11W2-8-1-322

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 00	
				FIG. C-23 M240E1 FLEXIBLE MACHINE GUN MOUNT (ASSEMBLED VIEW), 12597090; FLEXIBLE MOUNT ASSY, 12976940	
1	PAFFF	19200	12597091	CRADLE ASSEMBLY, UPPER SEE FIG. C-24 F/BREAKDOWN UOC: AM9, BC5, BC6.....	1
2	PAFZZ	96906	MS24673-4	SCREW, CAP, SOCKET UOC: AM9, BC5, BC6.....	4
3	MOOZZ	96906	MS20995C32	WIRE, NONELECTRICAL MAKE FROM NSN 9505-00-293-4208 UOC: AM9, BC5, BC6.....	V
4	PAOZZ	96906	MS3215-4037	RING, RETAINING UOC: AM9, BC5, BC6.....	4
5	XAFZZ	19200	12597102	SUPPORT, CRADLE, LOWER UOC: AM9.....	1
5	XAOZZ	19200	12976941	SUPPORT, CRADLE, LOWER UOC: BC5, BC6.....	1
6	PAOFF	96906	MS18153-58	SCREW, CAP, HEXAGON UOC: AM9.....	4
7	PAOZZ	19200	12597105	HOLDER ASSEMBLY UOC: AM9.....	1
8	PAFZZ	19200	12597103	PINTLE, MOUNT UOC: AM9.....	1
8	PAFZZ	19200	12976945	PINTLE, MOUNT UOC: BC5, BC6.....	1
9	PAOZZ	19200	12597104	PIN, GROOVED, HEADLESS UOC: AM9, BC5, BC6.....	1
10	PAOZZ	19200	12976944	PLATE, DEFLECTOR UOC: BC5, BC6.....	1
11	PAOZZ	19200	12976943	PIN, RETAINING, REAR UOC: BC5, BC6.....	1
12	PAOZZ	19200	12976942	BRACKET, T&E CRADLE UOC: BC5, BC6.....	1

END OF FIGURE



SECTION II

**ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 01 FIG. C-24 CRADLE ASSEMBLY, UPPER, 12597091	
1	PAFZZ	96906	MS39086-44	PIN, SPRING UOC: AM9, BC5, BC6.....	4
2	XAFZZ	19200	12597092	SUPPORT, CRADLE UOC: AM9, BC5, BC6.....	1
3	PAFZZ	19200	12597095	SPRING, HELICAL, COMPRESSION UOC: AM9, BC5, BC6.....	2
4	PAFZZ	19200	12597096	SHIELD, SPRING UOC: AM9, BC5, BC6.....	2
5	PAFZZ	19200	12597097	STOP, ELASTIC UOC: AM9, BC5, BC6.....	4
6	PAFZZ	19200	12597098	BRACKET, EYE, NONROTATING UOC: AM9, BC5, BC6.....	2
7	XAFZZ	19200	12597093	SUPPORT, CRADLE, REAR UOC: AM9, BC5, BC6.....	1
8	PAFZZ	19200	12597094	TUBE, METALLIC UOC: AM9, BC5, BC6.....	2
9	PAOZZ	96906	MS35190-271	SCREW, MACHINE UOC: AM9.....	2
10	PAFZZ	19200	12597099	PIN, SPRING UOC: AM9, BC5, BC6.....	1
11	PAOZZ	19200	11826283	RING, RETAINING UOC: AM9, BC5, BC6.....	1
12	PAOZZ	96906	MS39086-93	PIN, SPRING UOC: AM9, BC5, BC6.....	1
13	PAOZZ	19200	12597100	DEFLECTOR UOC: AM9.....	1

END OF FIGURE

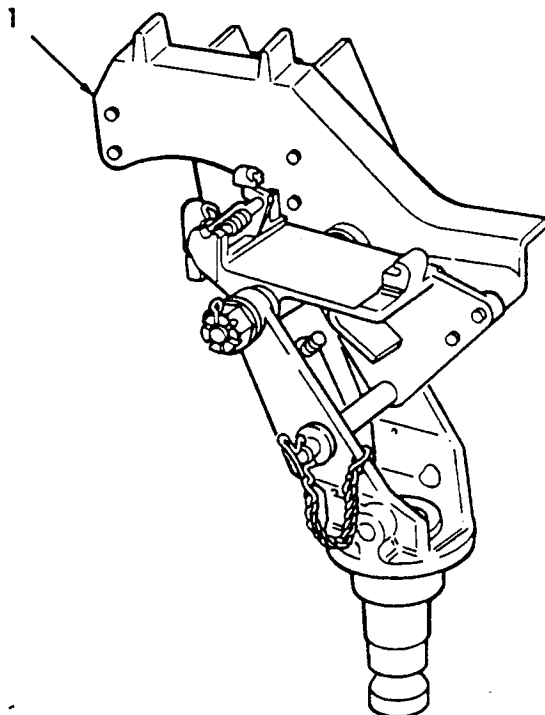


Figure C-25. Mount, Machine Gun, M142 10900945 (Assembled View).

SECTION II			TM9-1005-245-13&P		
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00					
FIG.C-25 MOUNT,MACHINE GUN,M142					
10900945 (ASSEMBLED VIEW)					
1	PAOFF	19207	10900945	MOUNT,MACHINE GUN, M142.....	1

END OF FIGURE

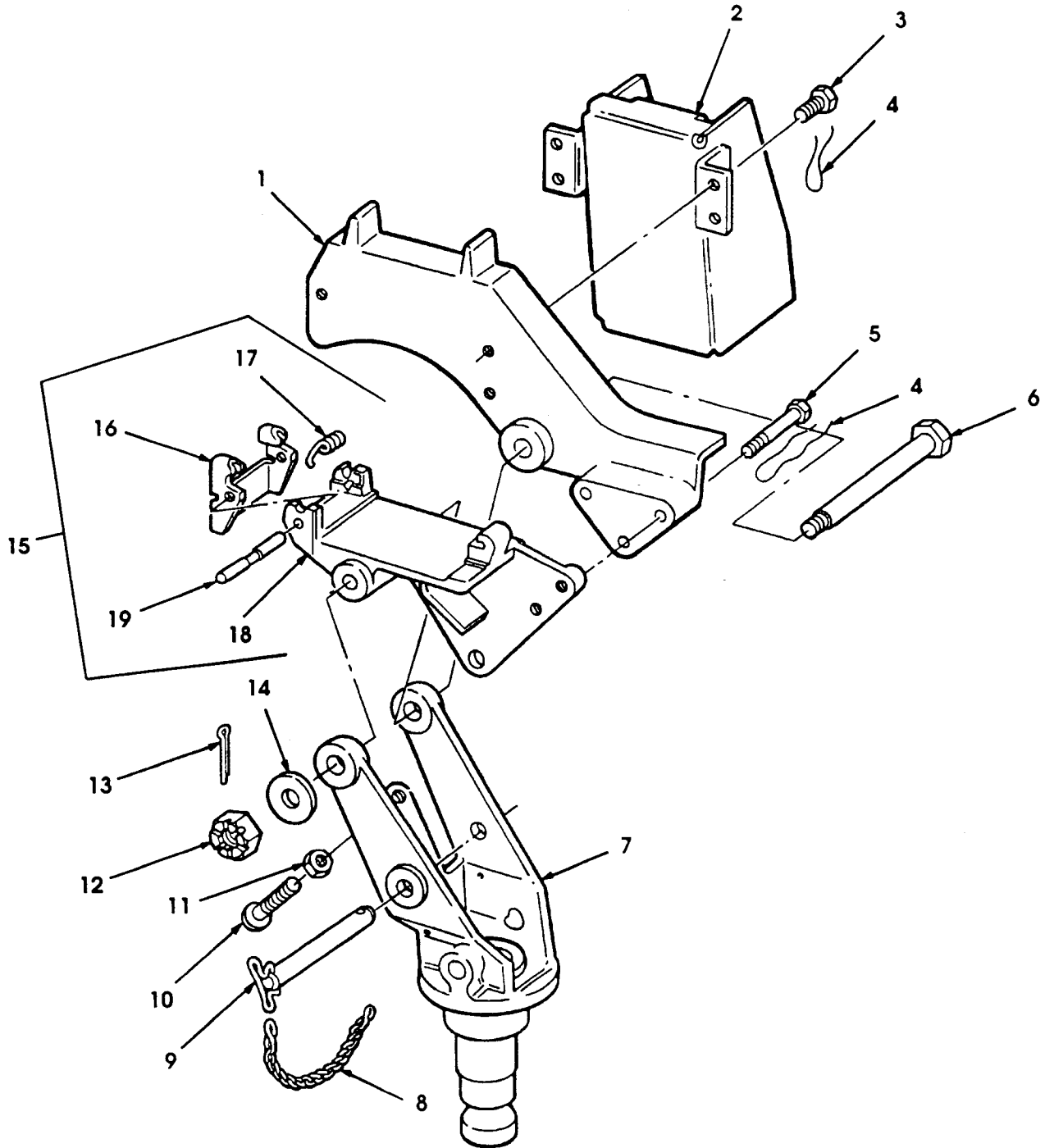


Figure C-26. Mount, Machine Gun, M142 10900945 and Platform Assembly 10900947.

SECTION II			TM9-1005-245-13&P			
(1)	(2)	(3)	(4)	(5)	(6)	
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY	
				GROUPS 00 AND 01		
				FIG.C-26 MOUNT,MACHINE GUN,M142		
				10900945 AND PLATFORM		
				ASSEMBLY 10900947		
1	PAFZZ	19204	10900948	CRADLE,MACHINE GUN.....	1	
				UOC:AM7		
2	PAFZZ	19204	10900712	HOLDER ASSEMBLY,GUN.....	1	
				UOC:AM7		
3	PAFZZ	96906	MS51096-355	SCREW,CAP,HEXAGON H.....	4	
				UOC:AM7		
4	MOOZZ	96906	MS20995C32	WIRE,NONELECTRICAL MAKE FROM	V	
				NSN9505-00-293-4208.....		
				UOC:AM7		
5	PAFZZ	96906	MS51095-364	SCREW,CAP,HEXAGON H.....	3	
				UOC:AM7		
6	PAFZZ	19207	10900962	BOLT,SHOULDER.....	1	
				UOC:AM7		
7	XDFZZ	19204	10900949	PINTLE,MOUNT MG.....	1	
				UOC:AM7		
7	XAFZZ	19204	10900949	PINTLE,MOUNT MG (MARINE CORPS ONLY)	1	
				UOC:AM7		
8	PAOZZ	19204	5236999	CHAIN ASSEMBLY,SING.....	1	
				UOC:AM7		
9	PAOZZ	19207	10900963	PIN,QUICK RELEASE.....	1	
				UOC:AM7		
10	PAFZZ	96906	MS35206-315	SCREW,MACHINE.....	1	
				UOC:AM7		
11	PAFZZ	96906	MS35691-17	NUT,PLAIN,HEXAGON.....	1	
				UOC:AM7		
12	PAFZZ	96906	MS35692-37	NUT,PLAIN,SLOTTED,H.....	1	
				UOC:AM7		
13	PAOZZ	96906	MS24665-291	PIN,COTTER.....	1	
				UOC:AM7		
14	PAFZZ	96906	MS27183-18	WASHER,FLAT.....	1	
				UOC:AM7		
15	AFFFF	19204	10900947	PLATFORM ASSY.....	1	
				UOC:AM7		
15	A0000	19204	10900947	PLATFORM ASSY (MARINE CORPS ONLY)..	1	
				UOC:AM7		
16	PAFZZ	19204	7792982	..STRIKE,CATCH.....	1	
				UOC:AM7		
16	PAOZZ	19204	7792982	..STRIKE,CATCH (MARINE CORPS ONLY).	1	
				UOC:AM7		
17	PAFZZ	19205	7792978	..SPRING,HELICAL,TORS.....	1	
				UOC:AM7		
17	PAOZZ	19205	7792978	..SPRING,HELICAL,TORS (MARINE	1	
				CORPS ONLY).....		
				UOC:AM7		
18	PAFZZ	19204	10900946	..PLATFORM ASSEMBLY.....	1	
				UOC:AM7		
18	PAOZZ	19204	10900946	..PLATFORM ASSEMBLY (MARINE CORPS	1	

SECTION II			TM9-1005-245-13&P		
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
				ONLY).....	
				UOC:AM7	
19	PAFZZ	19205	7792977	..PIN,GROOVED,HEADLES.....	1
				UOC:AM7	
19	PAOZZ	19205	7792977	..PIN,GROOVED,HEADLES (MARINE	1
				CORPS ONLY).....	
				UOC:AM7	

END OF FIGURE

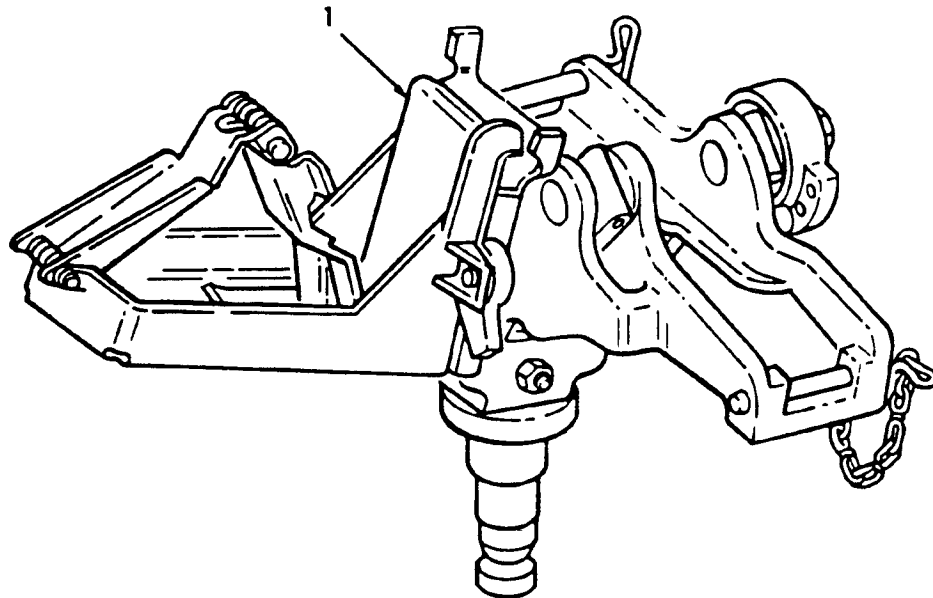


Figure C-27. Mount, Machine Gun, Cal .50, 6650 7046650 (Assembled View).

SECTION II			TM9-1005-245-13&P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00					
FIG.C-27 MOUNT,MACHINE GUN,CAL .50, 6650 7046650 (ASSEMBLED VIEW)					
1	PAOFF	19204	7046650	MOUNT,MACHINE GUN, CAL .50, 6650, SEE FIG C-30 FOR BREAKDOWN.....	1
1	PAOOO	19204	7046650	MOUNT,MACHINE GUN, CAL .50, 6650, SEE FIG C-30 FOR BREAKDOWN (MARINE CORPS ONLY).....	1

END OF FIGURE

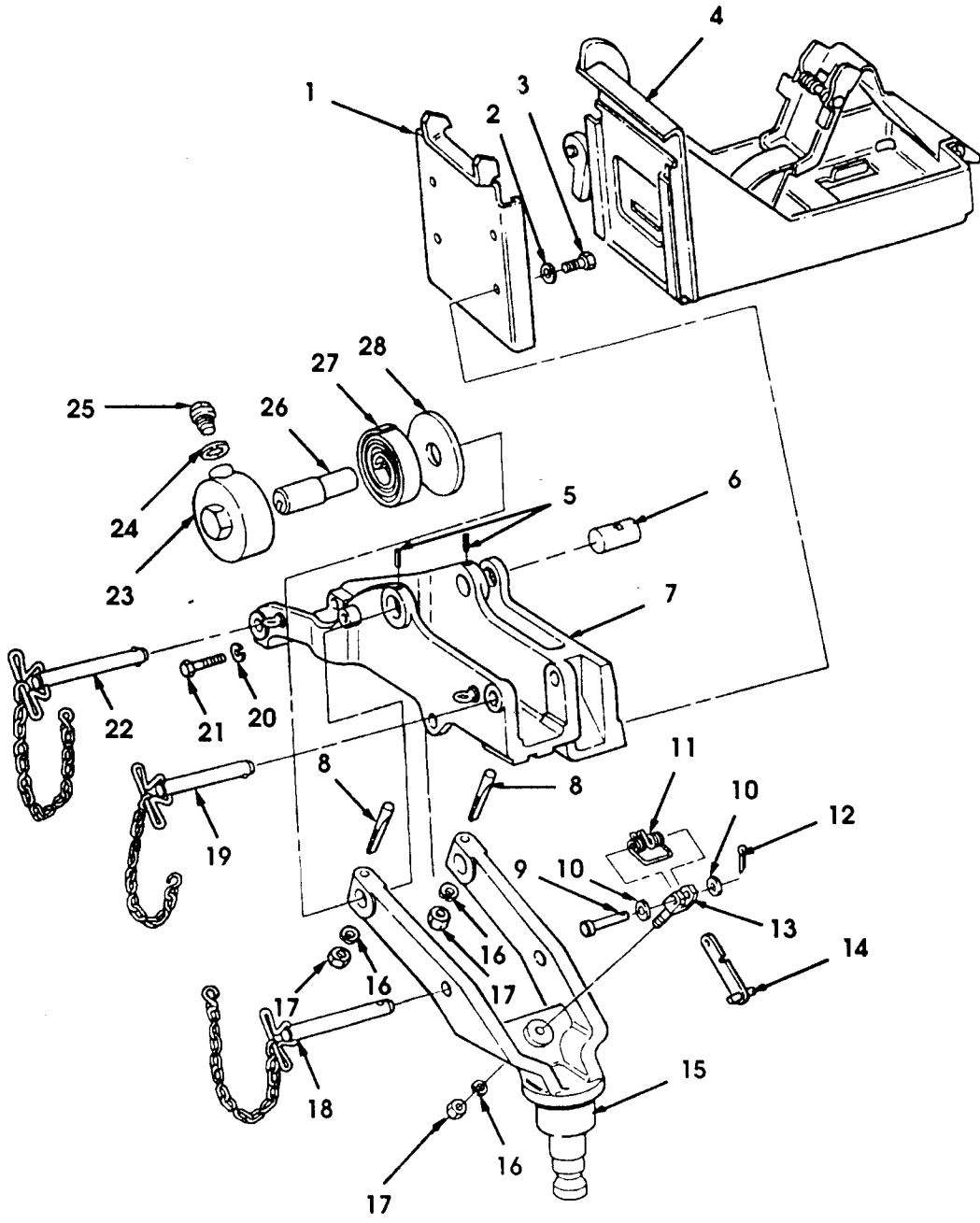


Figure C-28. Mount, Machine Gun, Cal .50, 6650 7046650.

SECTION II			TM9-1005-245-13&P		(6)
(1)	(2)	(3)	(4)	(5)	
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
				GROUP 00	
				FIG.C-28 MOUNT,MACHINE GUN,CAL .50, 6650 7046650	
1	PAFZZ	19204 7046653		BRACKET,AMMUNITION.....	1
				UOC:AM8	
1	PAOZZ	19204 7046653		BRACKET,AMMUNITION (MARINE CORPS ONLY).....	1
				UOC:AM8	
2	PAFZZ	96906 MS35333-42		WASHER,LOCK.....	4
				UOC:AM8	
2	PAOZZ	96906 MS35333-42		WASHER,LOCK (MARINE CORPS ONLY)....	4
				UOC:AM8	
3	PAFZZ	96906 MS90727-57		SCREW,CAP,HEXAGON H.....	4
				UOC:AM8	
3	PAOZZ	96906 MS90727-57		SCREW,CAP,HEXAGON H (MARINE CORPS ONLY).....	4
				UOC:AM8	
4	PAFZZ	19204 6590078		TRY ASSY AMMO BOX.....	1
				UOC:AM8	
4	PAOZZ	19204 6590078		TRY ASSY AMMO BOX (MARINE CORPS ONLY).....	1
				UOC:AM8	
5	PAFZZ	19204 5328284		WICK.....	2
				UOC:AM8	
6	PAFZZ	19204 5384055		PIN,STRAIGHT,HEADLE.....	1
				UOC:AM8	
7	PAFZZ	19204 7046652		CRADLE,MACHINE GUN.....	1
				UOC:AM8	
8	PAFZZ	19204 5384057		PIN,TAPERED,THREADE.....	2
				UOC:AM8	
9	PAFZZ	96906 MS20392-3C41		PIN,STRAIGHT,HEADED.....	1
				UOC:AM8	
9	PAOZZ	96906 MS20392-3C41		PIN,STRAIGHT,HEADED (MARINE CORPS ONLY).....	1
				UOC:AM8	
10	PAFZZ	96906 MS27183-10		WASHER,FLAT.....	2
				UOC:AM8	
10	PAOZZ	96906 MS27183-10		WASHER,FLAT (MARINE CORPS ONLY)....	2
				UOC:AM8	
11	PAFZZ	19207 5384062		SPRING,HELICAL,TORS.....	1
				UOC:AM8	
11	PAOZZ	19207 5384062		SPRING,HELICAL,TORS (MARINE CORPS ONLY).....	1
				UOC:AM8	
12	PAFZZ	96906 MS24665-132		PIN,COTTER.....	1
				UOC:AM8	
12	PAOZZ	96906 MS24665-132		PIN,COTTER (MARINE CORPS ONLY).....	1
				UOC:AM8	
13	PAFZZ	19204 5384060		CLEVIS,ROD END.....	1
				UOC:AM8	
13	PAOZZ	19204 5384060		CLEVIS,ROD END (MARINE CORPS ONLY).	1

SECTION II			TM9-1005-245-13&P			
(1)	(2)	(3)	(4)	(5)	(6)	
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY	
14	PAFZZ	19204	5384053	UOC:AM8 BAR,MACHINE GUN CRA.....	1	
14	PAOZZ	19204	5384053	UOC:AM8 BAR,MACHINE GUN CRA (MARINE CORPS ONLY).....	1	
15	XAFZZ	19204	7042930	UOC:AM8 PINTLE,MOUNT.....	1	
16	PAFZZ	96906	MS35338-45	UOC:AM8 WASHER,LOCK.....	3	
16	PAOZZ	96906	MS35338-45	UOC:AM8 WASHER,LOCK AM8 (MARINE CORPS ONLY)	3	
17	PAFZZ	96906	MS51968-5	NUT,PLAIN,HEXAGON.....	3	
17	PAOZZ	96906	MS57968-5	UOC:AM8 NUT,PLAIN,HEXAGON AM8 (MARINE CORPS ONLY).....	3	
18	PAOZZ	19207	7070292	PIN,QUICK RELEASE.....	1	
19	PAOZZ	19205	7042932	UOC:AM8 PIN,QUICK RELEASE.....	1	
20	PAOZZ	96906	MS35338-046	UOC:AM8 WASHER,LOCK.....	1	
21	PAOZZ	96906	MS90728-62	UOC:AM8 SCREW,CAP,HEXAGON H.....	1	
22	PAOZZ	19207	7070291	UOC:AM8 PIN,QUICK RELEASE.....	1	
23	PAFZZ	19204	6297412	UOC:AM8 CASE,MACHINE GUN EQ.....	1	
24	PAFZZ	96906	MS35333-46	UOC:AM8 WASHER,LOCK.....	1	
25	PAFZZ	19204	5384059	UOC:AM8 STUD,EQUILIBRATOR S.....	1	
26	PAFZZ	19204	5384056	UOC:AM8 PIN,GROOVED,HEADLES.....	1	
27	PAFZZ	19207	6297411	UOC:AM8 SPRING, SPIRAL, TORSI.....	1	
28	PAFZZ	19204	5384064	UOC:AM8 WASHER,FLAT.....	1	

END OF FIGURE

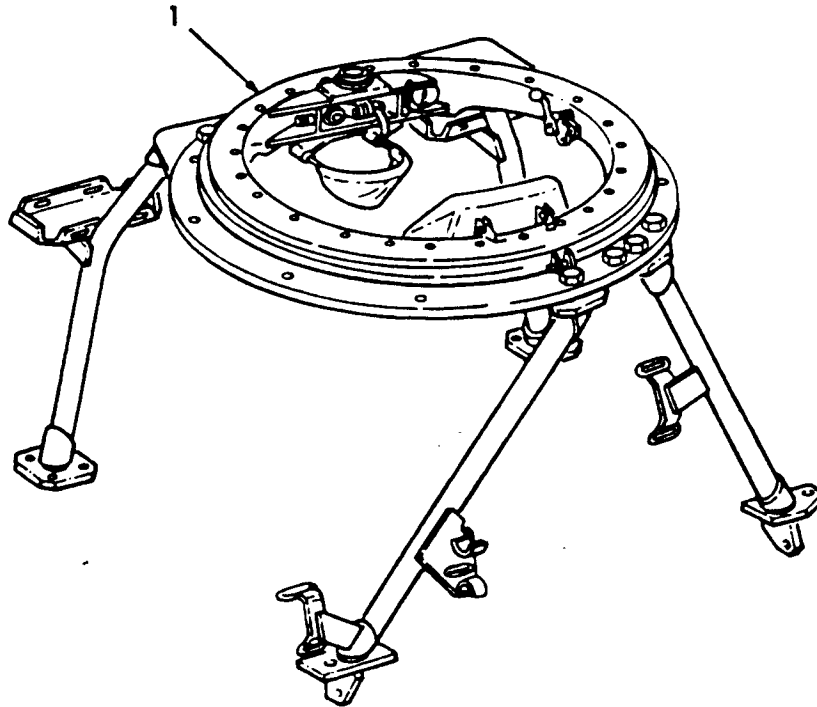
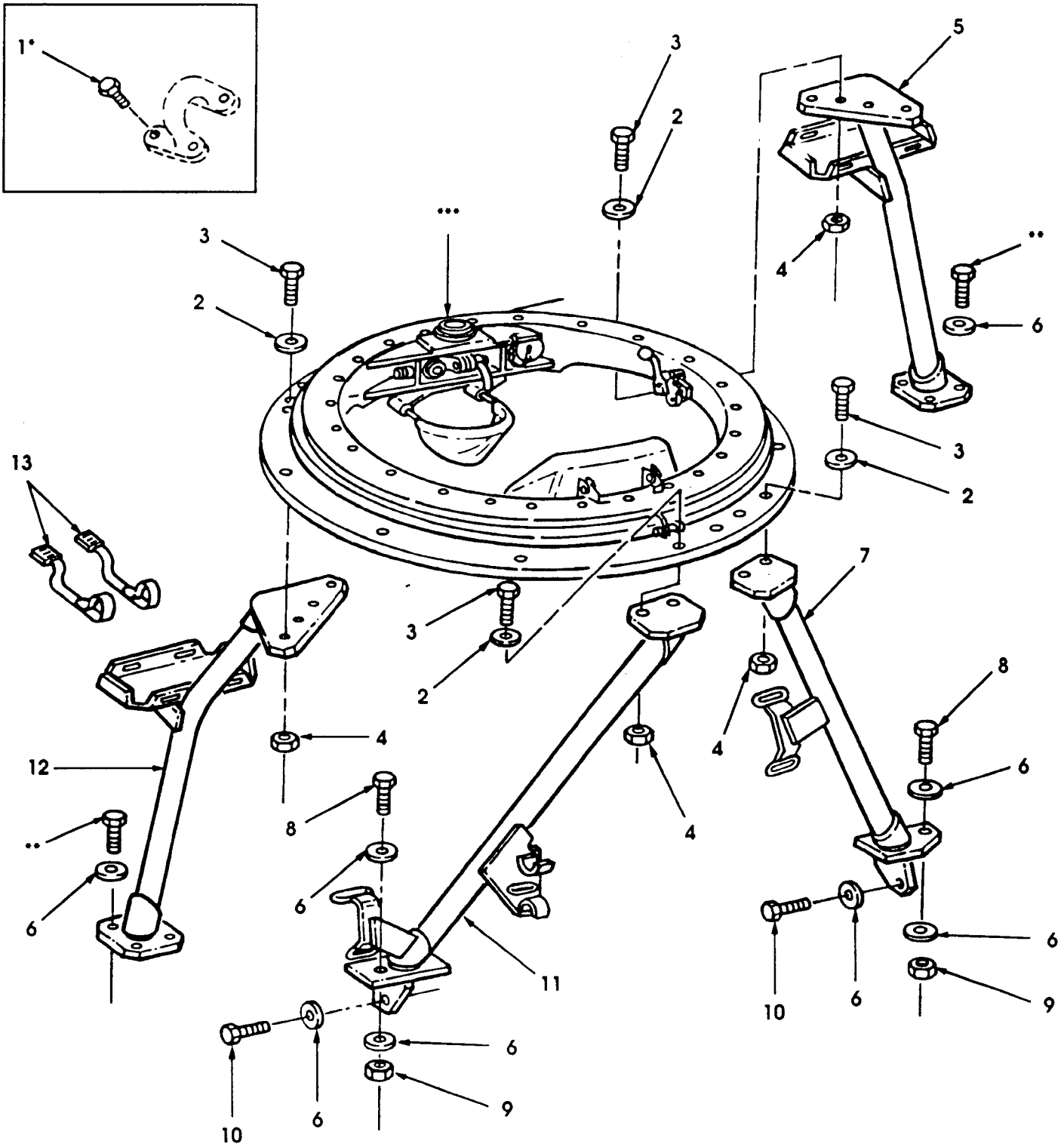


Figure C-29. Machine Gun Mount, M548 11631740-2 (Assembled View).

SECTION II			TM9-1005-245-13&P	(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR		PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE	CAGEC	NUMBER		
GROUP 00					
FIG.C-29 MACHINE GUN MOUNT, M548					
11631740-2 (ASSEMBLED VIEW)					
1	PAOFF	19204	11631740-2	MACHINE GUN MOUNT, M548.....	1

END OF FIGURE



- * Eight screws provided to secure lifting eyes for storage.
- ** Eight existing hull screws re-used to secure front supports to hull.
- *** See figures C-17 thru C-21, C-27, and C-28 for further breakdown.

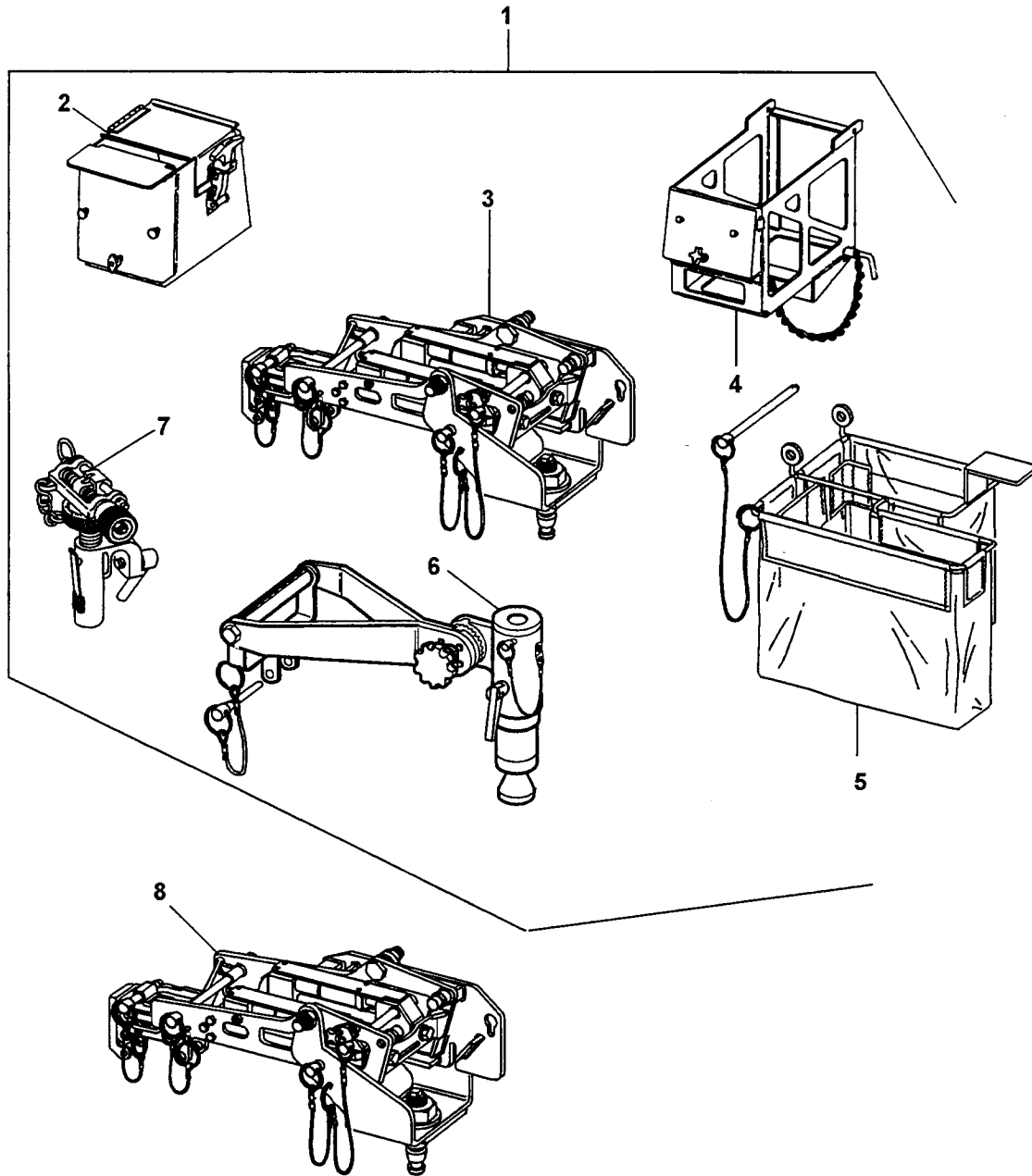
Figure C-30. Machine Gun Mount, M548 11631740-2 (Legs and Attaching Hardware).

Section II

ARMY TM 9-1005-245-13&P
 MARINE CORPS TM 1005-13&P/1
 AIR FORCE T.O. 11W2-8-1-322

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 00	
				FIG.C-30 MACHINE GUN MOUNT, M548 11631740-2 (LEGS AND ATTACHING HARDWARE)	
1	PAOZZ	96906	MS90725-186	SCREW, CAP, HEXAGON H UOC: AR3.....	8
2	PAFZZ	96906	MS27183-18	WASHER, FLAT UOC: AR3.....	12
3	PAFZZ	96906	B1821BH050F200N	SCREW, CAP, HEXAGON H UOC: AR3.....	12
4	PAFZZ	96906	MS21044-N8	NUT, SELF-LOCKING, HE UOC: AR3.....	12
5	PAFZZ	19207	10949553-2	LEG, GUN MOUNT UOC: AR3.....	1
6	PAOZZ	96906	MS27183-23	WASHER, FLAT UOC: AR3.....	14
7	PAFZZ	19204	11661033	LEG, GUN MOUNT UOC: AR3.....	1
8	PAOZZ	96906	B1821BH075F250N	SCREW, CAP, HEXAGON H UOC: AR3.....	2
9	PAOZZ	96906	MS51922-61	NUT, SELF-LOCKING, HE UOC: AR3.....	2
10	PAOZZ	96906	B182BH075F200N	SCREW, CAP, HEXAGON H UOC: AR3.....	2
11	PAFZZ	19204	11588700	LEG, GUN MOUNT UOC: AR3.....	1
12	PAFZZ	19207	10949553-1	LEG, GUN MOUNT UOC: AR3.....	1
13	PAOZZ	19204	8433770-1	STRAP, WEBBING UOC: AR3.....	4

END OF FIGURE



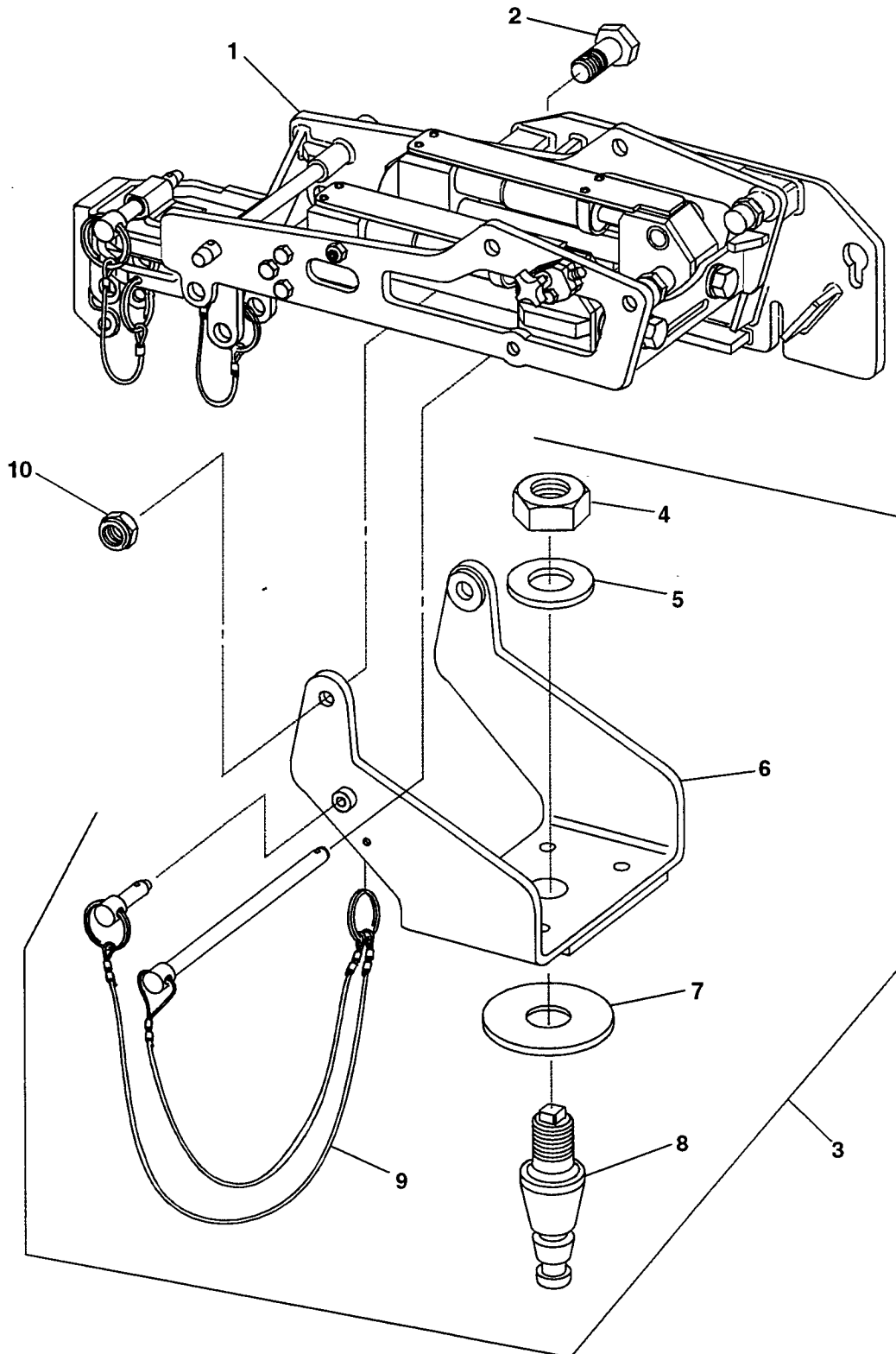
Change 4 Figure C-31. Mount, Machine Gun, MK 93 MOD 1 6650717 and Mount, Machine Gun, MK 93 MOD 0 6650450 (Assembled Views)

Section II

ARMY TM 9-1005-245-13&P
 MARINE CORPS TM 1005-13&P/1
 AIR FORCE T.O. 11W2-8-1-322

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 00, 00 FIG.C-31 MOUNT, MACHINE GUN, MK 93 MOD 1, 6650717, AND MOUNT, MACHINE GUN, MK 93 MOD 0 6650450 (ASSEMBLED VIEWS)	
1	PAOFF	53711	6650717	MOUNT, MG MK 93 MOD 1 UOC: AY8.....	1
2	PAOOO	53711	6650724	..HOLDER ASSY, AMMO (SEE FIG. C-34 FOR BREAKDOWN) UOC: AY8.....	1
3	PAOFF	53711	6650450	..MOUNT, MG MK 93 MOD 0 (SEE FIG. C-32 FOR BREAKDOWN) UOC: AY8.....	1
4	PAOOO	19200	12929150	..BRACKET, MOUNTING (SEE FIG. C-35 FOR BREAKDOWN) UOC: AY8.....	1
5	PAOOO	53711	6650723	..CATCH BAG ASSY (SEE FIG. C-36 FOR BREAKDOWN) UOC: AY8.....	1
6	PAOFF	19200	12012061	..ADAPTER, UNIVERSAL PINTLE (SEE FIG. C-37 FOR BREAKDOWN) UOC: AY8.....	1
7	PAOFF	53711	5830128	..ELEVATION MECHANISM (SEE FIG. C-14 AND C-15 FOR BREAKDOWN) UOC: AY8.....	1
8	PAOFF	53711	6650450	MOUNT, MG MK 93 MOD 0 (SEE FIG. C-32 FOR BREAKDOWN) UOC: AY7.....	1

END OF FIGURE



Change 4

Figure C-32. Mount, Machine Gun, MK 93 MOD 0 6650450 and
Yoke Assembly 6650725

Section II

ARMY TM 9-1005-245-13&P
 MARINE CORPS TM 1005-13&P/1
 AIR FORCE T.O. 11W2-8-1-322

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 00, 01, 0102, 02 FIG. C-32 MOUNT, MACHINE GUN, MK 93 MOD 0 6650450 AND YOKE ASSY 6650725	
1	AFFFF	53711	6650434	CRADLE & CARRIAGE ASSY (SEE FIG. C-33 FOR BREAKDOWN) UOC: AY7, AY8	1
2	PAFZZ	53711	5830054	BOLT, MACHINE UOC: AY7, AY8	2
3	AFFFF	53711	6650725	YOKE ASSY UOC: AY7, AY8	1
4	PAFZZ	96906	MS21083C16	..NUT, SELF-LOCKING UOC: AY7, AY8	1
5	PAFZZ	88044	AN960XC1616	..WASHER, FLAT UOC: AY7, AY8	1
6	PBFZZ	53711	6650446	..YOKE UOC: AY7, AY8	1
7	PAFZZ	53711	6650407	..WASHER, FLAT UOC: AY7, AY8	1
8	PAFZZ	53711	6650406	..PINTLE, MOUNT UOC: AY7, AY8	1
9	PAOZZ	53711	6650695	..PIN, QUICK-RELEASE UOC: AY7, AY8	1
10	PAFZZ	96906	MS21083C10	NUT, SELF-LOCKING UOC: AY7, AY8	2

END OF FIGURE

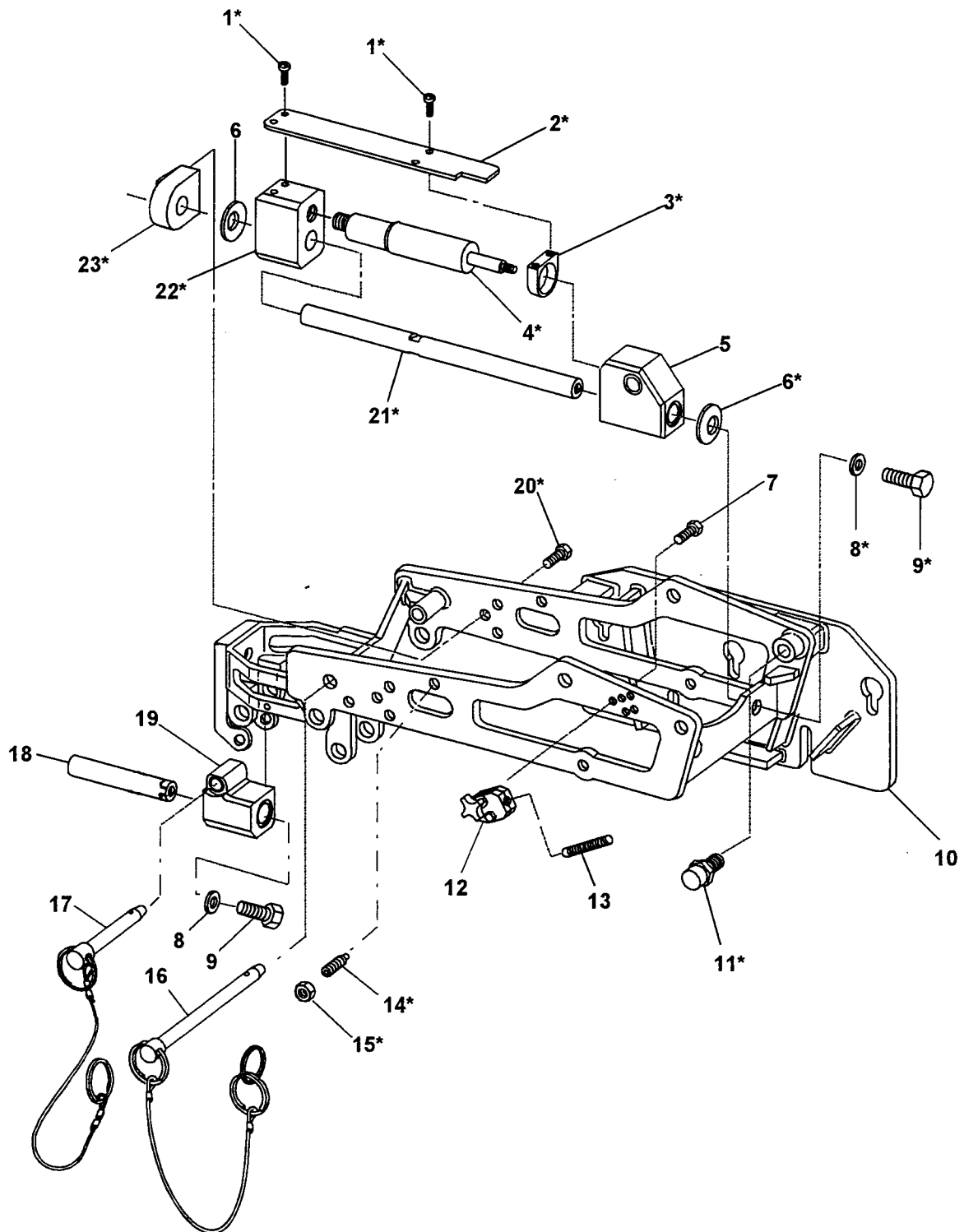


Figure C-33. Carriage Assembly 6650434 and
Stop Assembly, Depression, 6650651

Section II

ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322

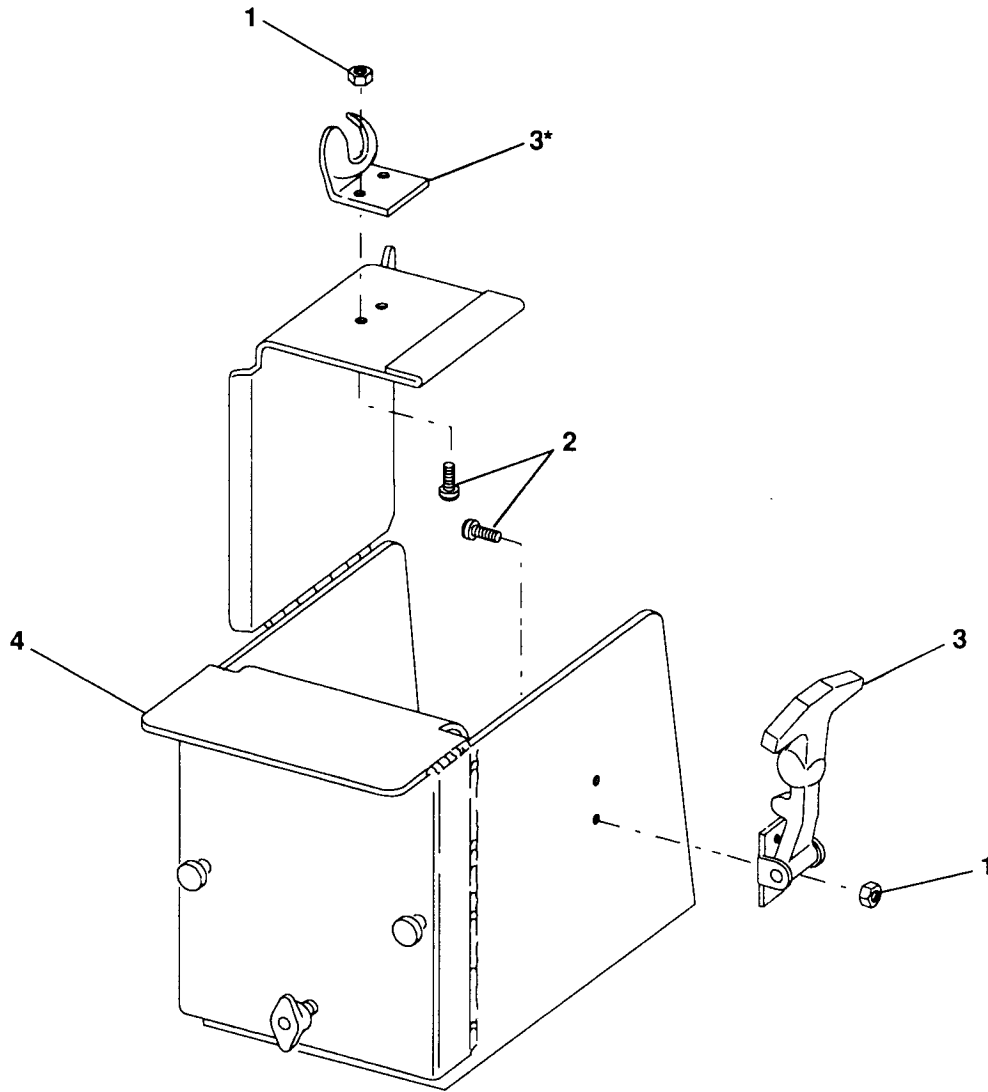
(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 01, 0101, 0101, 010101 FIG. C-33 CARRIAGE ASSEMBLY 6650434 AND STOP ASSEMBLY, DEPRESSION 6650651	
1	PAFZZ	96906	MS51957-61B	SCREW, MACHINE UOC: AY7, AY8	8
2	PAFZZ	53711	6650443	DEFLECTOR, LINK UOC: AY7, AY8	2
3	PAFZZ	53711	6650442	DEFLECTOR, MOUNT UOC: AY7, AY8	2
4	PAFZZ	53711	6650448	SHOCK, ABSORBER UOC: AY7, AY8	2
5	PBFZZ	53711	6650437	SLIDE ASSY, RH FRONT UOC: AY7, AY8	1
5	PBFZZ	53711	6650436	SLIDE ASSY, LH FRONT UOC: AY7, AY8	1
6	PAFZZ	19200	9363644	WASHER, SPRING TENSION UOC: AY7, AY8	4
7	PAFZZ	96906	MS35307-303	SCREW, CAP, HEX UOC: AY7, AY8	3
8	PAFZZ	88044	NAS1149C0863B	WASHER, FLAT UOC: AY7, AY8	3
9	PAFZZ	96906	MS35307-409	SCREW, CAP, HEX UOC: AY7, AY8	3
10	PBFZZ	53711	6650445	CRADLE, MACHINE GUN UOC: AY7, AY8	1
11	PAOZZ	53711	6650673	PIN, SHOULDER, HEADLESS UOC: AY7, AY8	2
12	PAFFF	53711	6650651	STOP ASSY, DEPRESSION UOC: AY7, AY8	1
13	PAFZZ	53711	6650654	STUD, CONTINUOUS UOC: AY7, AY8	1
14	PAFZZ	53711	6650696	SETSCREW UOC: AY7, AY8	2
15	PAFZZ	53711	6650697	NUT, PLAIN, HEX UOC: AY7, AY8	2
16	PAOZZ	53711	6650433-2	PIN ASSY, QUICK RELEASE UOC: AY7, AY8	1
17	PAOZZ	53711	6650433-1	PIN ASSY, QUICK-RELEASE UOC: AY7, AY8	1
18	PAFZZ	53711	6650439-1	SHAFT, STRAIGHT UOC: AY7, AY8	1
19	PBFZZ	53711	6650438	SLIDER ASSY, REAR UOC: AY7, AY8	1

Section II

**ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
20	PAFZZ	96906	MS35307-332	MACHINE, BOLT UOC: AY7, AY8	6
21	PAFZZ	53711	6650439-2	SHAFT, STRAIGHT UOC: AY7, AY8	2
22	PAFZZ	53711	6650444	BRACKET, MOUNTING UOC: AY7, AY8	2
23	PAFZZ	53711	6650441	BRACKET, MOUNTING UOC: AY7, AY8	2

END OF FIGURE



* Furnished with identically numbered item.

Figure C-34. Holder Assembly, Ammo, .50 Caliber 6650724.

SECTION II

TM9-1005-245-13&P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 02 FIG.C-34 HOLDER ASSY, AMMO, .50 CALIBER 6650724	
1	PAOZZ	96906	MS21044C3	NUT, SELF-LOCKING..... UOC:AY8	4
2	PAOZZ	96906	MS51958-64B	SCREW, MACHINE..... UOC:AY8	4
3	PAOZZ	94222	37-10-086-20	CATCH, CLAMPING..... UOC:AY8	1
4	XAOZZ	53711	6650435	HOLDER, AMMO CAN..... UOC:AY8	1

END OF FIGURE

Section II

ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322

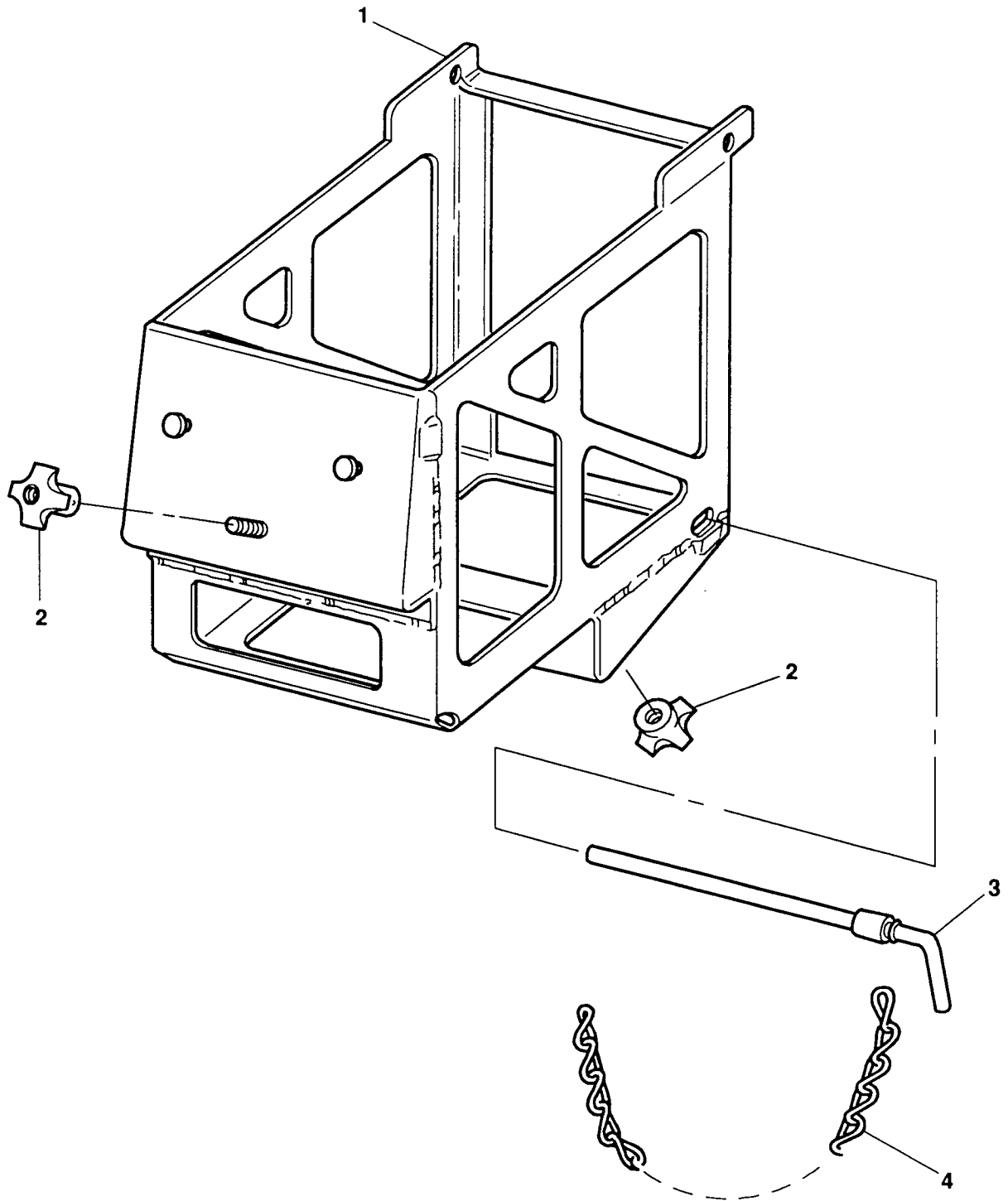


Figure C-35. Bracket, Mounting 12929150.

SECTION II

TM9-1005-245-13&P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 03 FIG.C-35 BRACKET, MOUNTING 12929150	
1	XAOZZ	19200	12929159	BRACKET, WELDMENT..... UOC:AY8	1
2	PAOZZ	19200	12953608	THUMBSCREW UOC:AY8	1
3	PAOZZ	19200	12929251	PIN SHOULDER, HEADED UOC:AY8	1
4	PAOZZ	53711	5820087-5	CHAIN ASSY..... UOC:AY8	1

END OF FIGURE

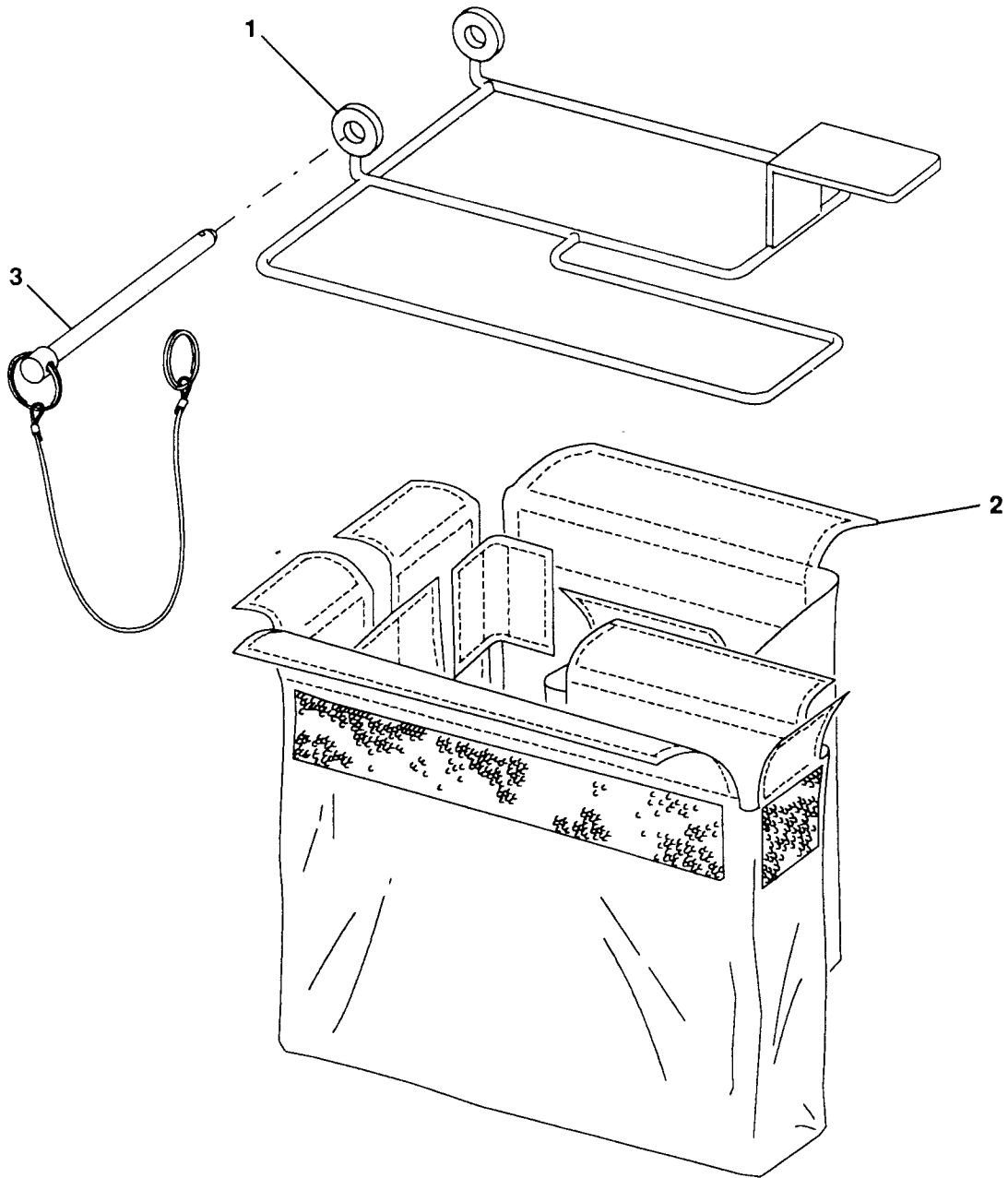


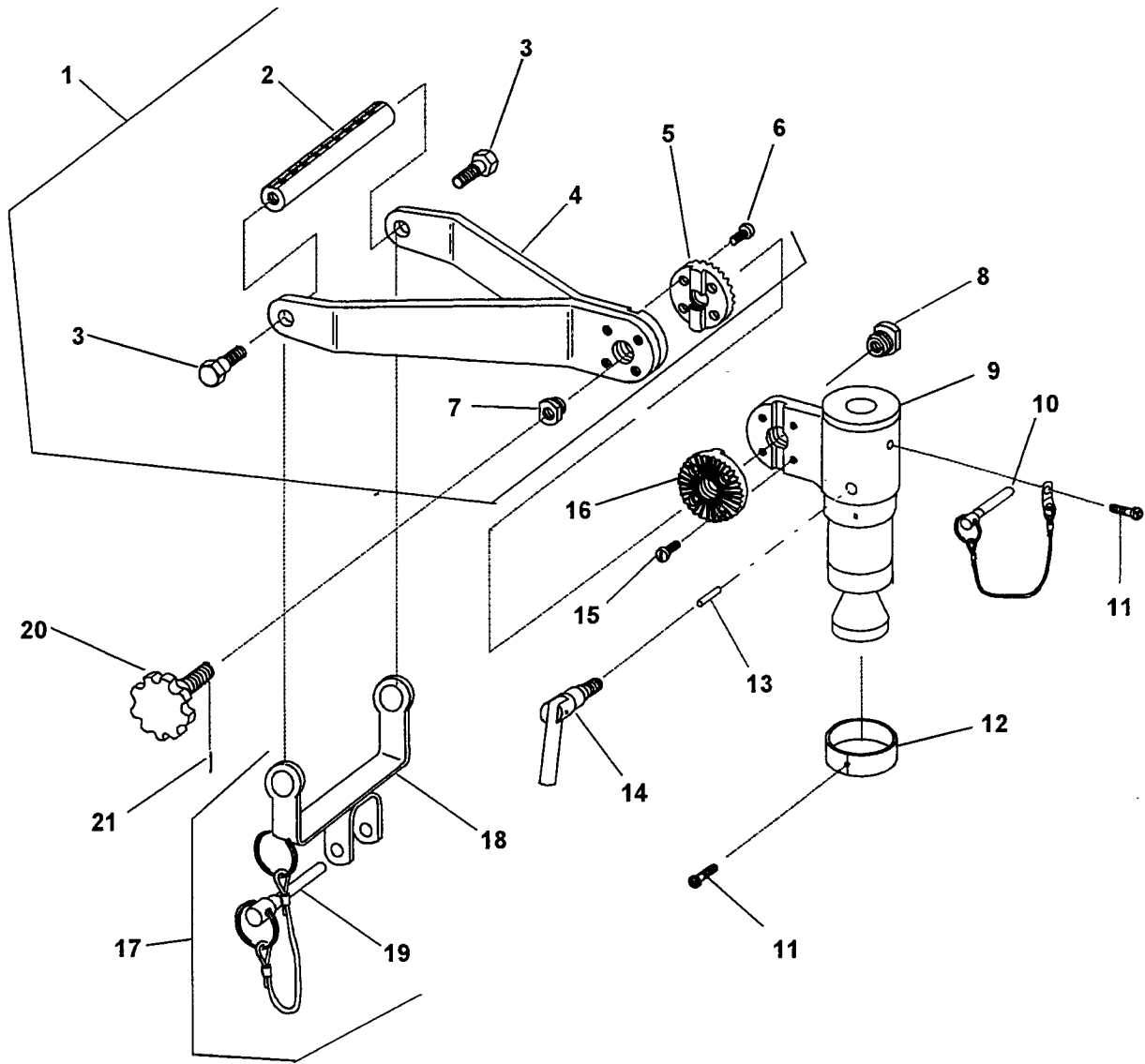
Figure C-36. Catch Bag Assembly 6650723.

Section II

**ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC	(6) QTY
GROUP 04 FIG.C-36 CATCH BAG ASSY, 6650723					
1	XAOZZ	53711	6650671	FRAME, CATCH BAG UOC: AY8.....	1
2	PAOZZ	53711	6650722-1	BAG, CASINGS, OLIVE UOC: AY8.....	1
2	PAOZZ	53711	6650722-2	BAG, CASINGS, SAND UOC: AY8.....	1
3	PAOZZ	53711	6650433-2	PIN, QUICK-RELEASE UOC: AY8.....	1

END OF FIGURE



Change 4

Figure C-37. Adapter, Universal Pintle, 12012061, Arm Assembly, Traverse, 6650488, and Body Assembly, 6650487

Section II

ARMY TM 9-1005-245-13&P
 MARINE CORPS TM 1005-13&P/1
 AIR FORCE T.O. 11W2-8-1-322

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 05, 0501, 0502 FIG.C-37 ADAPTER, UNIVERSAL PINTLE, 12012061, ARM ASSY, TRAVERSE, 6650488, BODY ASSY, 12012062	
1	PAFFF	53711	6650488	ARM ASSY, TRAVERSE UOC: AY8.....	1
2	PAFZZ	53711	6650496	..INDICATOR, AZIMUTH UOC: AY8.....	1
3	PAFZZ	53711	6650501	..BOLT, SHOULDER UOC: AY8.....	2
4	XAFZZ	53711	6650489	..ARM, ADJUSTABLE UOC: AY8.....	1
5	PAFZZ	53711	6650561	..PLATE, RETAINING UOC: AY8.....	1
6	PAFZZ	19205	5140237	..SCREW, MACHINE UOC: AY8.....	4
7	PAFZZ	53711	6650494	..BUSHING, SLEEVE UOC: AY8.....	1
8	PAFZZ	53711	6650493	BUSHING, SLEEVE UOC: AY8.....	1
9	XAFZZ	53711	12012063	BODY UOC: AY8.....	1
10	PAOZZ	53711	12012064	PIN AND CABLE ASSY UOC: AY8.....	1
11	PAOZZ	96906	MS51958-79B	SCREW, MACHINE UOC: AY8.....	2
12	PAFZZ	19200	12012071	SPLIT RING UOC: AY8.....	1
13	PAFZZ	19200	12012067	PIN, STRAIGHT, HEADLESS UOC: AY8.....	1
14	PAFZZ	53711	12012065	HANDLE, MANUAL CONTROL UOC: AY8.....	1
15	PAFZZ	19205	5140237	SCREW, MACHINE UOC: AY8.....	4
16	PAFZZ	53711	6650561	..PLATE, RETAINING UOC: AY8.....	1
17	PAOOO	19200	12012075	BRACKET, TRAVEL LOCK ASSY UOC: AY8.....	1
18	XAOZZ	19200	12012074	BRACKET, TRAVEL LOCK UOC: AY8.....	1
19	PAOZZ	19200	12012076	PIN, QUICK RELEASE UOC: AY8.....	1
20	PAFZZ	53711	6650498	THUMBSCREW UOC: AY8.....	1
21	PAFZZ	96906	MS16562-223	PIN, SPRING UOC: AY8.....	1

END OF FIGURE

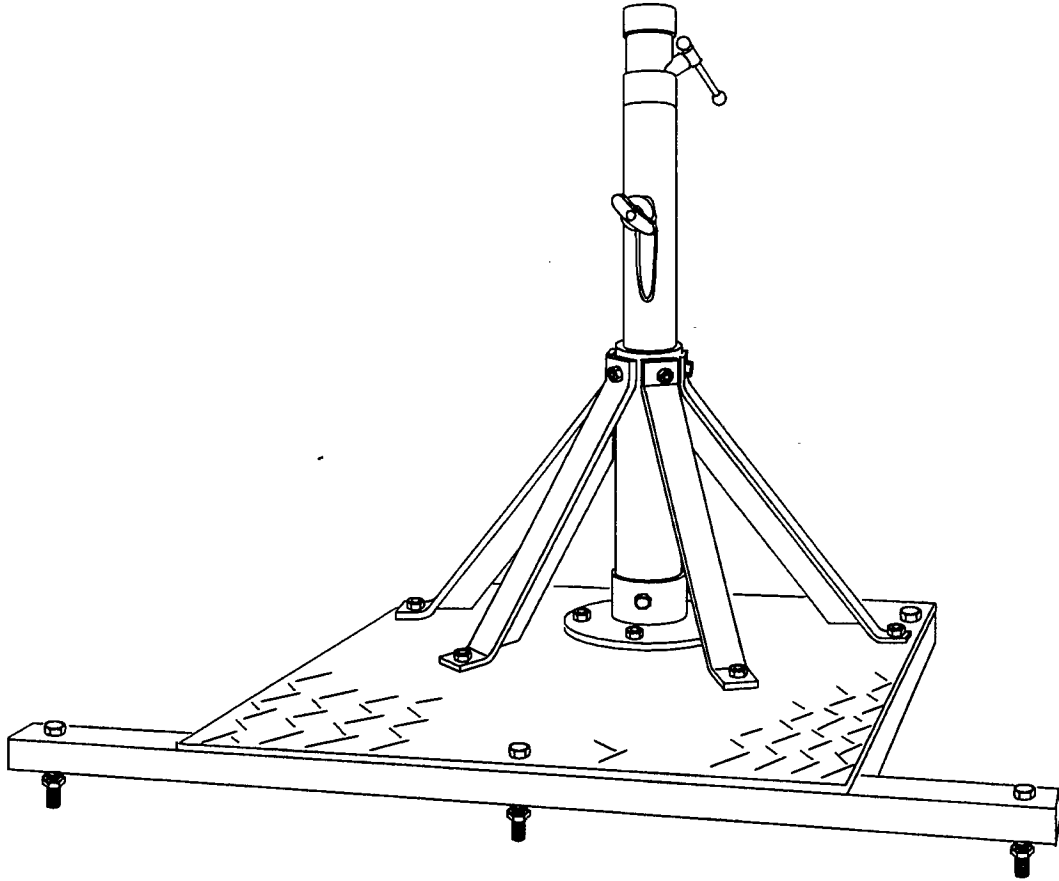


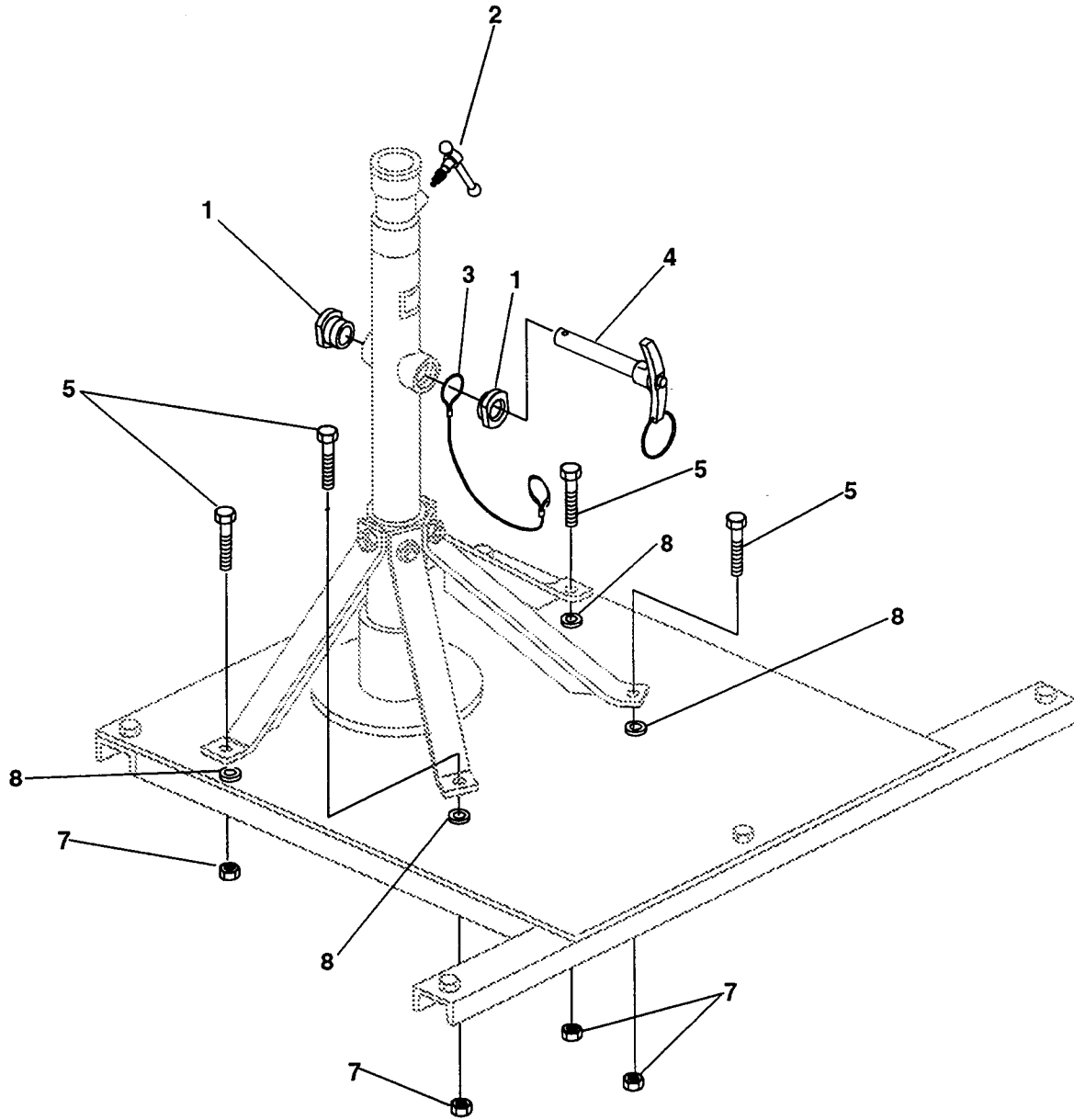
Figure C-38. Mount, Pedestal, Machine Gun, M6 12956270 (Assembled View)

Section II

**ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 00 FIG.C-38 MOUNT,PEDESTAL,MACHINE GUN M6 12956270 (ASSEMBLED VIEW)	
1	PAOOO	19200	12956270	MOUNT,PEDESTAL,MACHINE GUN,M6 (SEE FIG.C-39 FOR BREAKDOWN)	1

END OF FIGURE



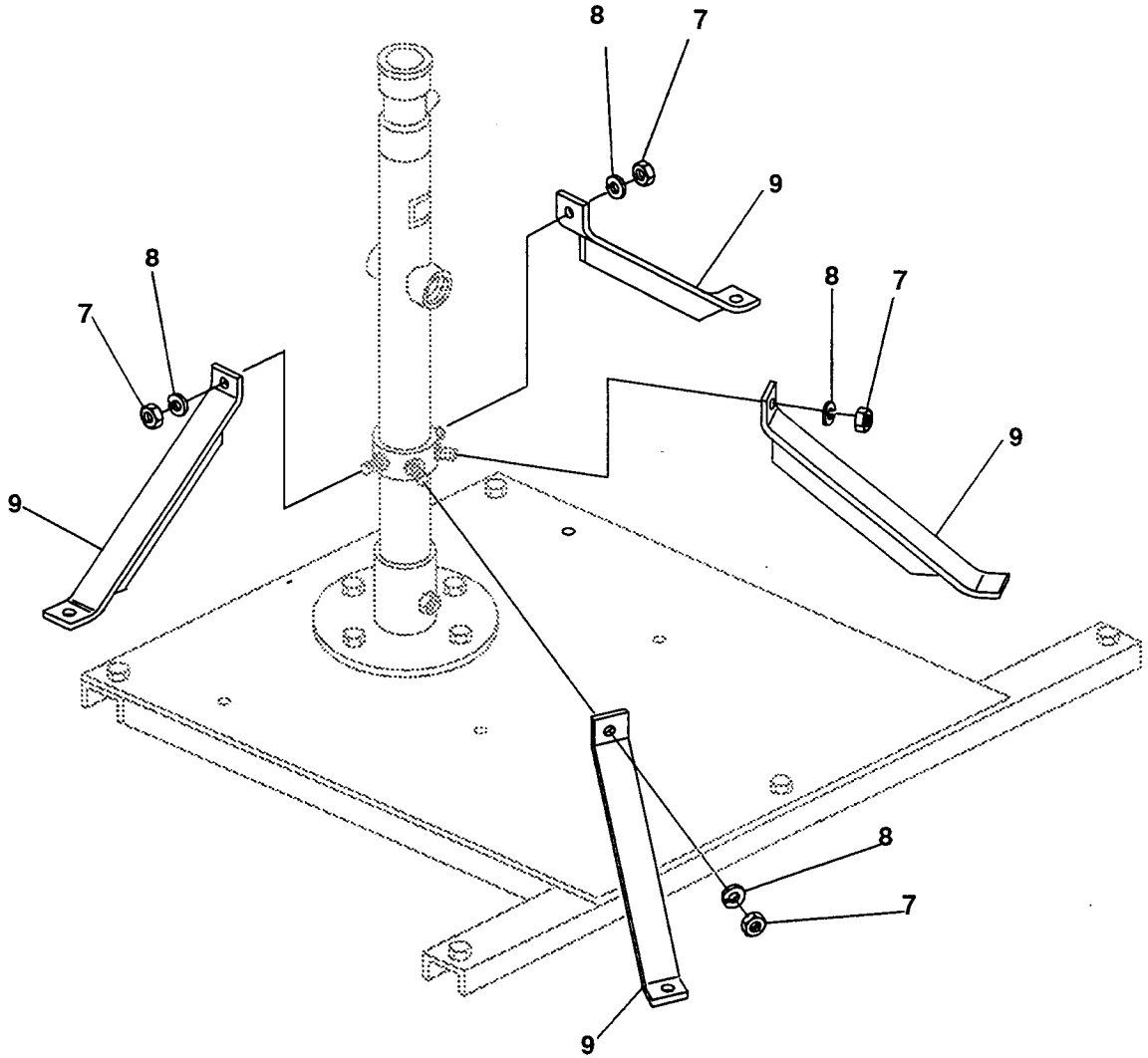
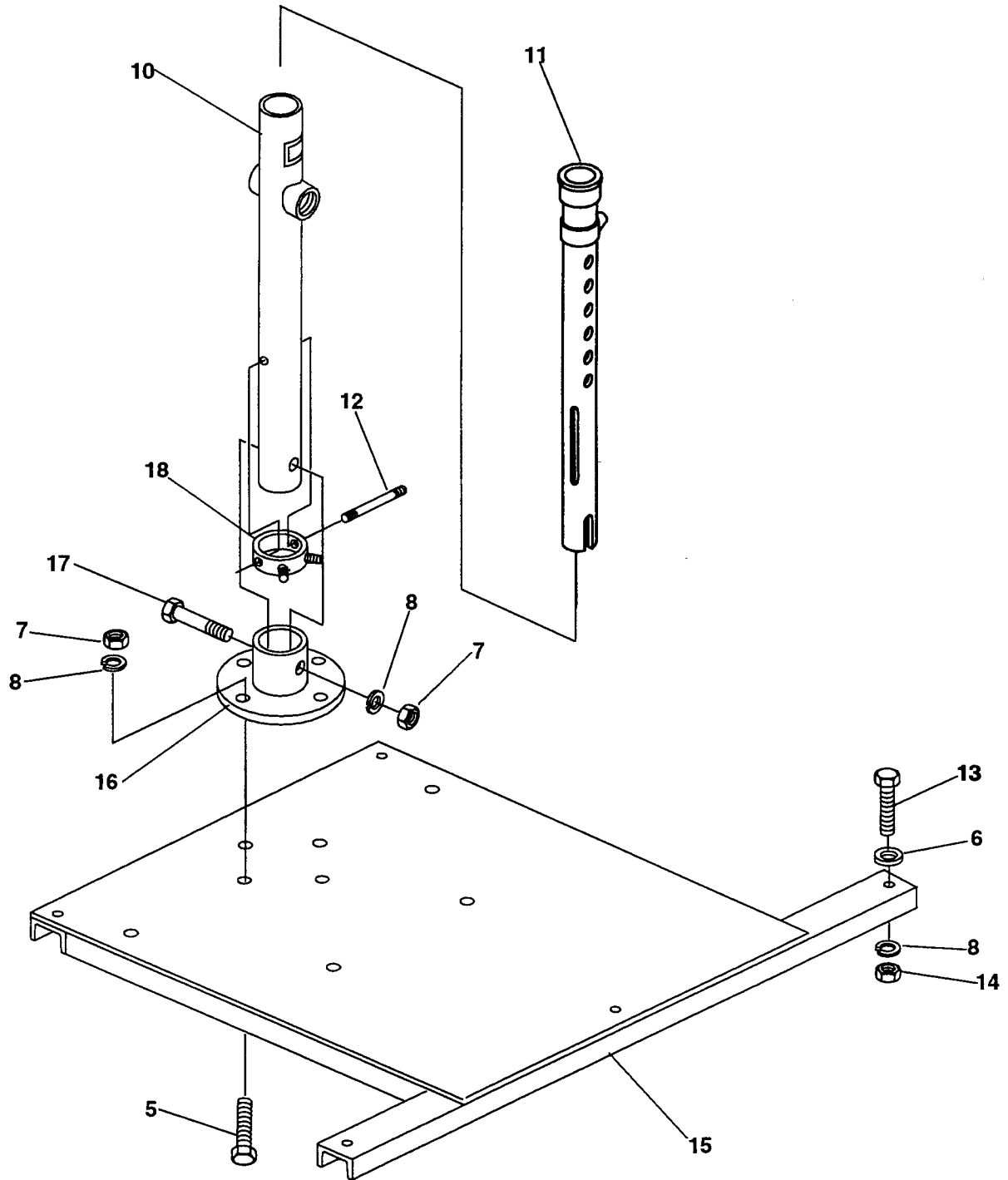


Figure C-39. Mount, Pedestal, Machine Gun, M6 12956270 (Sheet 2 of 3)



SECTION II

ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 00 FIG.C-39 MOUNT,PEDESTAL,MACHINE GUN, M6, 12956270	
1	PAOZZ	2U092	307328.00	INSERT,THREADED UOC:BB7	2
2	PAOZZ	2U092	307307.00	CLAMP ASSY,RETAIN UOC:BB7	1
3	PAOZZ	2U092	307331.00	WIRE CORD, ROPE UOC:BB7	1
4	PAOZZ	2U092	307329.00	PIN,QUICK RELEASE UOC:BB7	1
5	PAOZZ	96906	MS90726-115	SCREW,CAP, HEXAGON H UOC:BB7	8
6	PAOZZ	96906	MS51412-9	WASHER,FLAT UOC:BB7	5
7	PAOZZ	81349	M45913/1-BFG5C	NUT,SELF-LOCKING,HE UOC:BB7	13
8	PAOZZ	96906	MS35338-48	WASHER,LOCK UOC:BB7	18
9	PAOZZ	2U092	307312.00	BRACE,GUN MOUNT,PED UOC:BB7	4
10	PAOZZ	2U092	307311.00	TUBE,STRUCTURAL,EXTERNAL UOC:BB7	1
11	PAOZZ	2U092	307302.00	TUBE,STRUCTURAL,INTERNAL UOC:BB7	1
12	PAOZZ	2U092	307326.00	PIN,STRAIGHT THREADED UOC:BB7	1
13	PAOZZ	96906	B1821BH050C400N	SCREW,CAP,HEXAGON H UOC:BB7	5
14	PAOZZ	96906	MS51943-33	NUT,SELF-LOCKING,HE UOC:BB7	5
15	XAOZZ	2U092	307305.00	FRAME,MOUNT WELDMENT UOC:BB7	1
16	PAOZZ	2U092	307310.00	ADAPTER AND FLANGE UOC:BB7	1
17	PAOZZ	96906	B1821BH050F450N	SCREW, HEX HEAD UOC:BB7	1
18	PAOZZ	2U092	307316.00	COLLAR, RETAINING UOC:BB7	1

END OF FIGURE

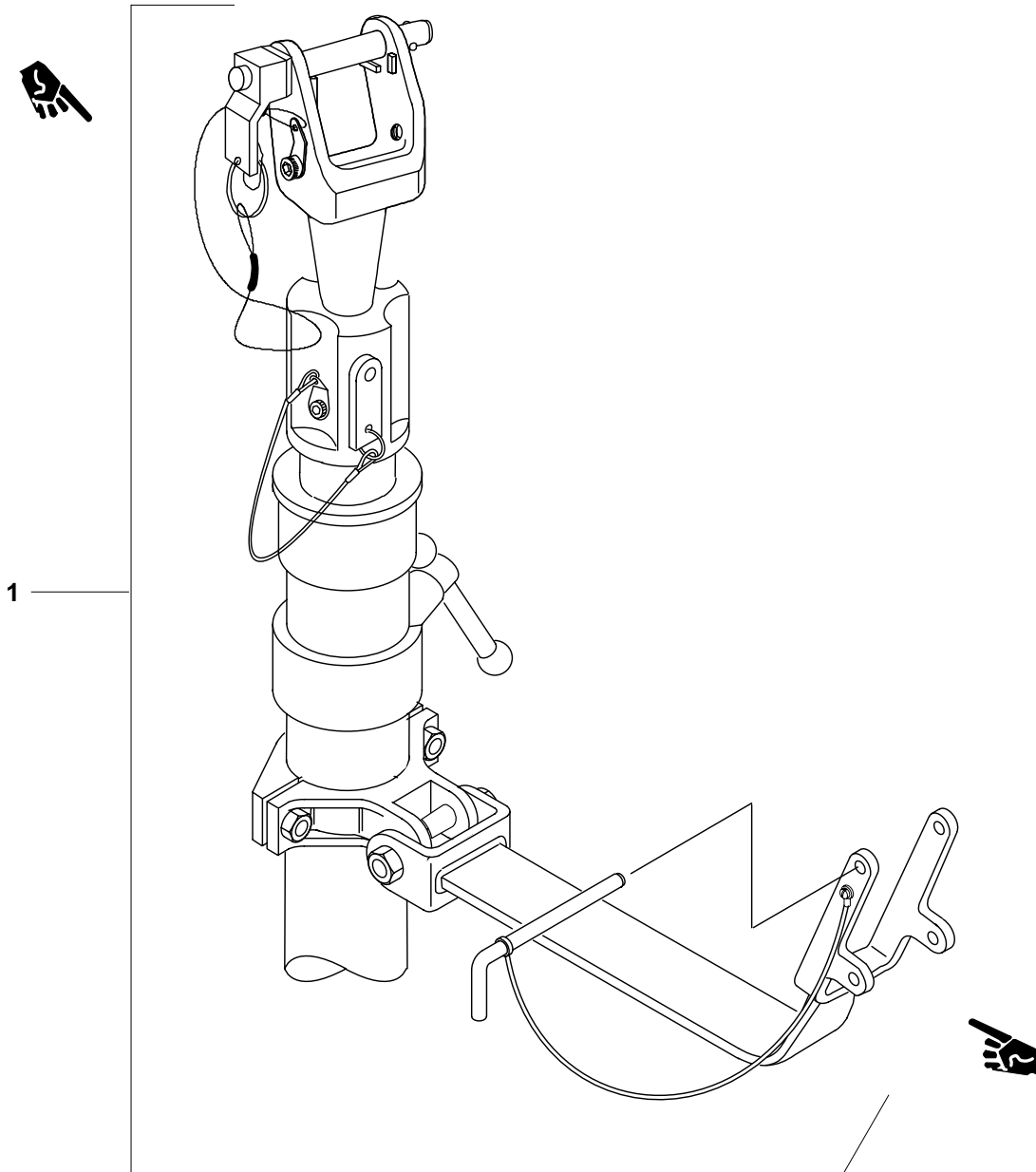


Figure C-40. Mount, M197 12956264 (Assembled View).

SECTION II

**ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 00 FIG.C-40 MOUNT, M197 12956264	
1	PAOOO	19200	12956264	MOUNT, M197 UOC:BB8	1

END OF FIGURE

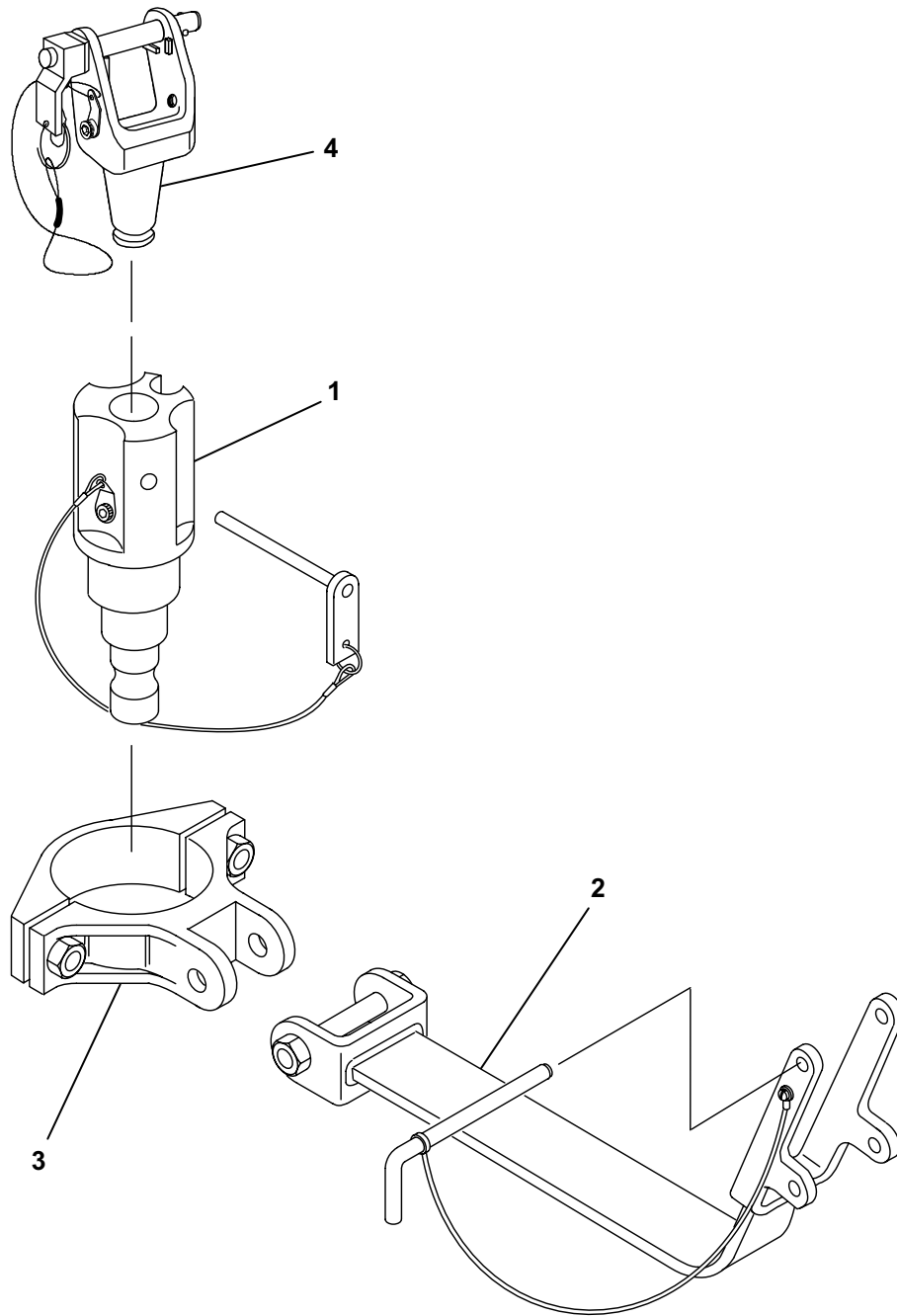


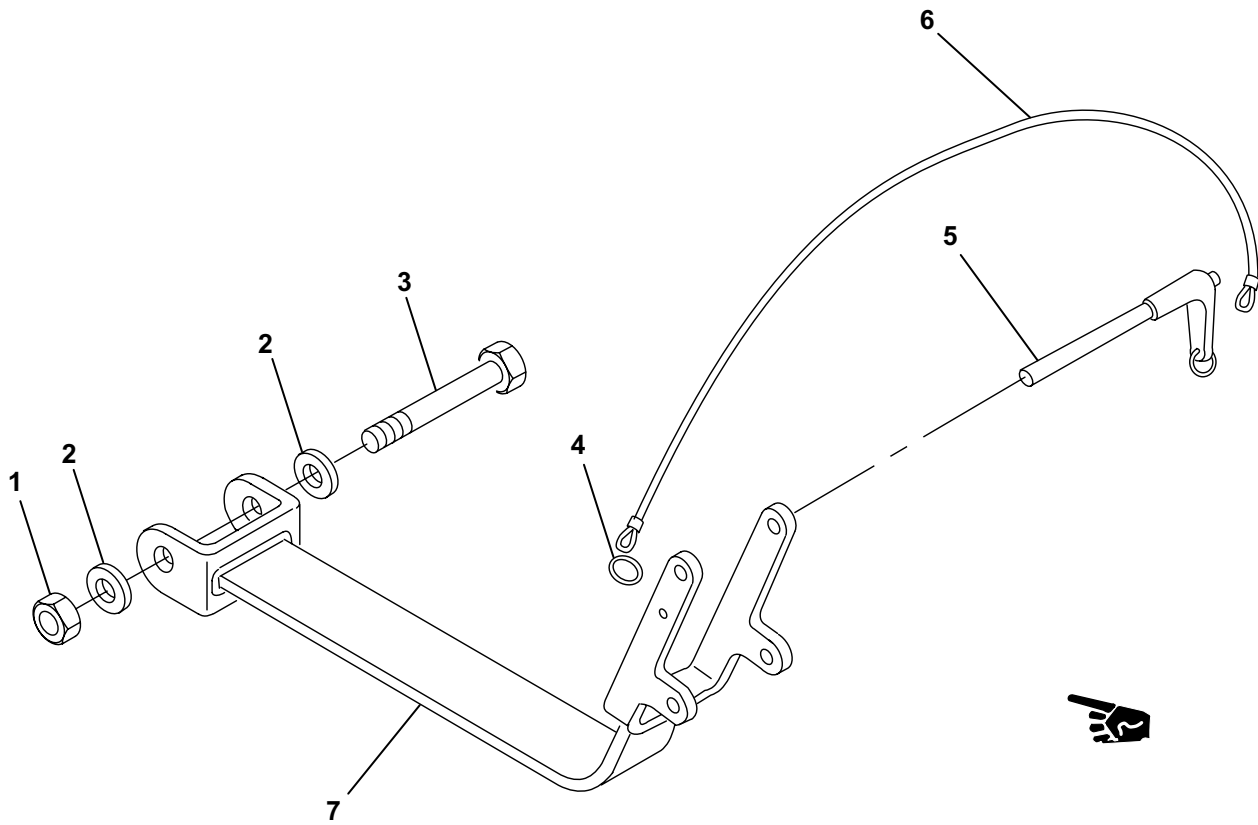
Figure C-41. Mount, Machine Gun, M197 12956264.

SECTION II

**ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 00 FIG.C-41 MOUNT,MACHINE GUN,M197 12956264	
1	PAOOO	53711	5830131	PINTLE ADAPTER ASSEMBLY (SEE FIG.C-44 FOR BREAKDOWN) UOC:BB8	1
2	PAOOO	19200	12956265-2	TRAVEL LOCK ASSEMBLY (SEE FIG. C-42 FOR BREAKDOWN) UOC:BB8	1
3	PAOOO	53711	5830063	BRACKET ASSEMBLY, TR (SEE FIG.C-43 FOR BREAKDOWN) UOC:BB8	1
4	PAOOO	19200	12986102	PINTLE ASSEMBLY, TR (SEE FIG.C-45 FOR BREAKDOWN) UOC:BB8	1

END OF FIGURE



NOTE

Travel lock components used with the M60 machine gun are located in the Additional Authorization List (AAL), appendix F.

Figure C-42. Travel Lock Assembly 12956265-2.

SECTION II

ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 01 FIG.C-42 TRAVEL LOCK ASSY 12956265-2	
1	PAOZZ	96906	MS21044N6	NUT,SELF-LOCKING,HE	1
				UOC:BB8	
2	PAOZZ	96906	MS20002-6	WASHER,FLAT	2
				UOC:BB8	
3	PAOZZ	96906	MS90727-70	SCREW,CAP, HEXAGON H	1
				UOC:BB8	
4	PAOZZ	19200	12956283-2	RING,RETAINING	1
				UOC:BB8	
5	PAOZZ	96906	MS17986C725	PIN,QUICK RELEASE	1
				UOC:BB8	
6	PAOZZ	19200	12956269	CABLE ASSEMBLY	1
				UOC:BB8	
7	XAOZZ	19200	12956266	BRACKET,TRAVEL LOCK	1
				UOC:BB8	

END OF FIGURE

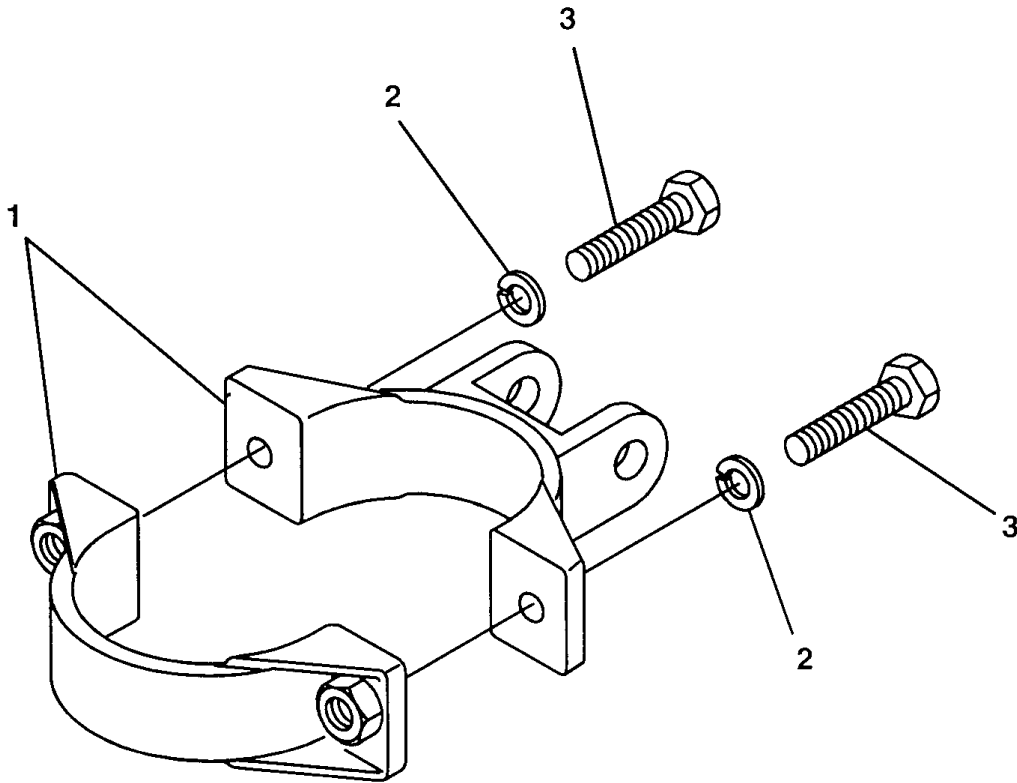


Figure C-43. Bracket Assembly, Travel Lock 5830063.

SECTION II

**ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 02 FIG.C-43 BRACKET ASSEMBLY, TRAVEL LOCK 5830063	
1	XAOZZ	53711	5830133	BRACKET ASSEMBLY, TRAVEL LOCK..... UOC:BB8	1
2	PAOZZ	96906	MS35338-45	WASHER, LOCK UOC:BB8	2
3	PAOZZ	96906	MS90725-34	BOLT, MACHINE UOC:BB8	2

END OF FIGURE

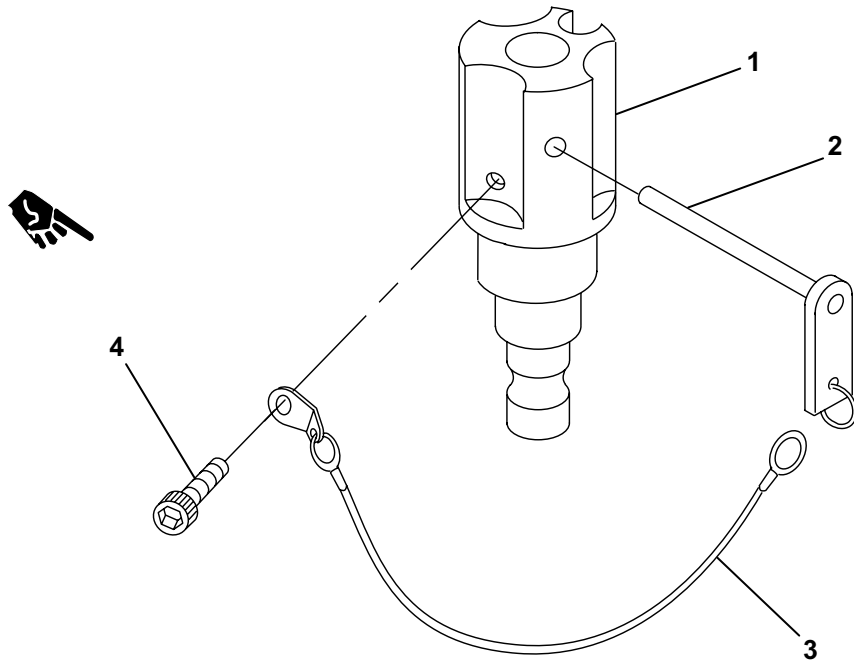


Figure C-44. Pintle Adapter Assembly 5830131.

SECTION II

ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 03 FIG.C-44 PINTLE ADAPTER ASSEMBLY 5830131	
1	XAOZZ	53711	5830132	PINTLE ADAPTER UOC:BB8	1
2	PAOZZ	96906	MS17986C325	PIN,QUICK RELEASE UOC:BB8	1
3	PAOZZ	53711	2843009	WIRE ROPE ASSEMBLY UOC:BB8	1
4	PAOZZ	96906	MS16996-21	SCREW, CAP, SOCKET HE UOC:BB8	1

END OF FIGURE

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SECTION II

**ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322**

(1)	(2)	(3)	(4)	(5)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
				GROUP 04 FIG.C-45 PINTLE MOUNT 11010408	

For breakdown, refer to Figure C-6.

END OF FIGURE

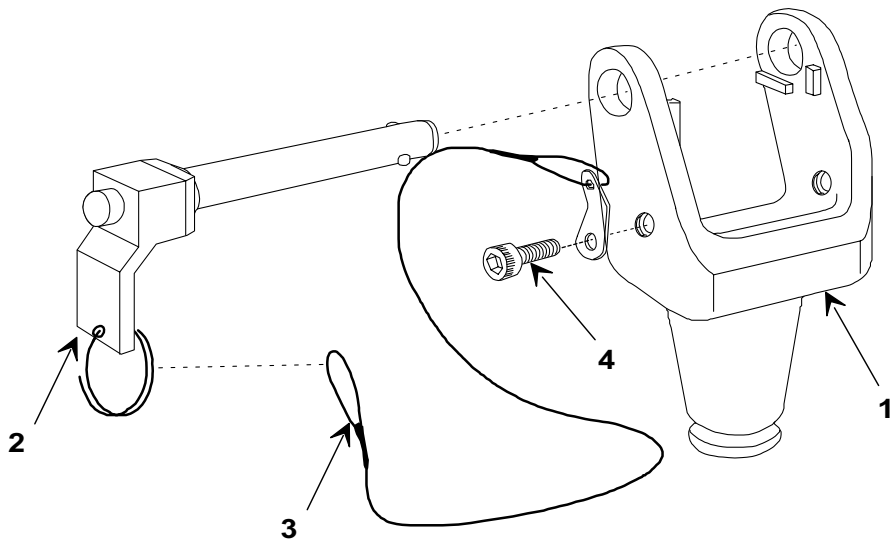


Figure C-46. Mount Pintle Assembly 12986102.

SECTION II

ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 05 FIG.C-46 MOUNT PINTLE ASSEMBLY 12986102	
1	XAOZZ	19200	12986103	PINTLE ASSY UOC:BB8	1
2	PAOZZ	19200	12986104	PIN,QUICK RELEASE UOC:BB8	1
3	PAOZZ	19200	2843009	CABLE ASSEMBLY UOC:BB8	1
4	PAOZZ	96906	MS16996-21	SCREW, CAP, SOCKET HE UOC:BB8	1

END OF FIGURE

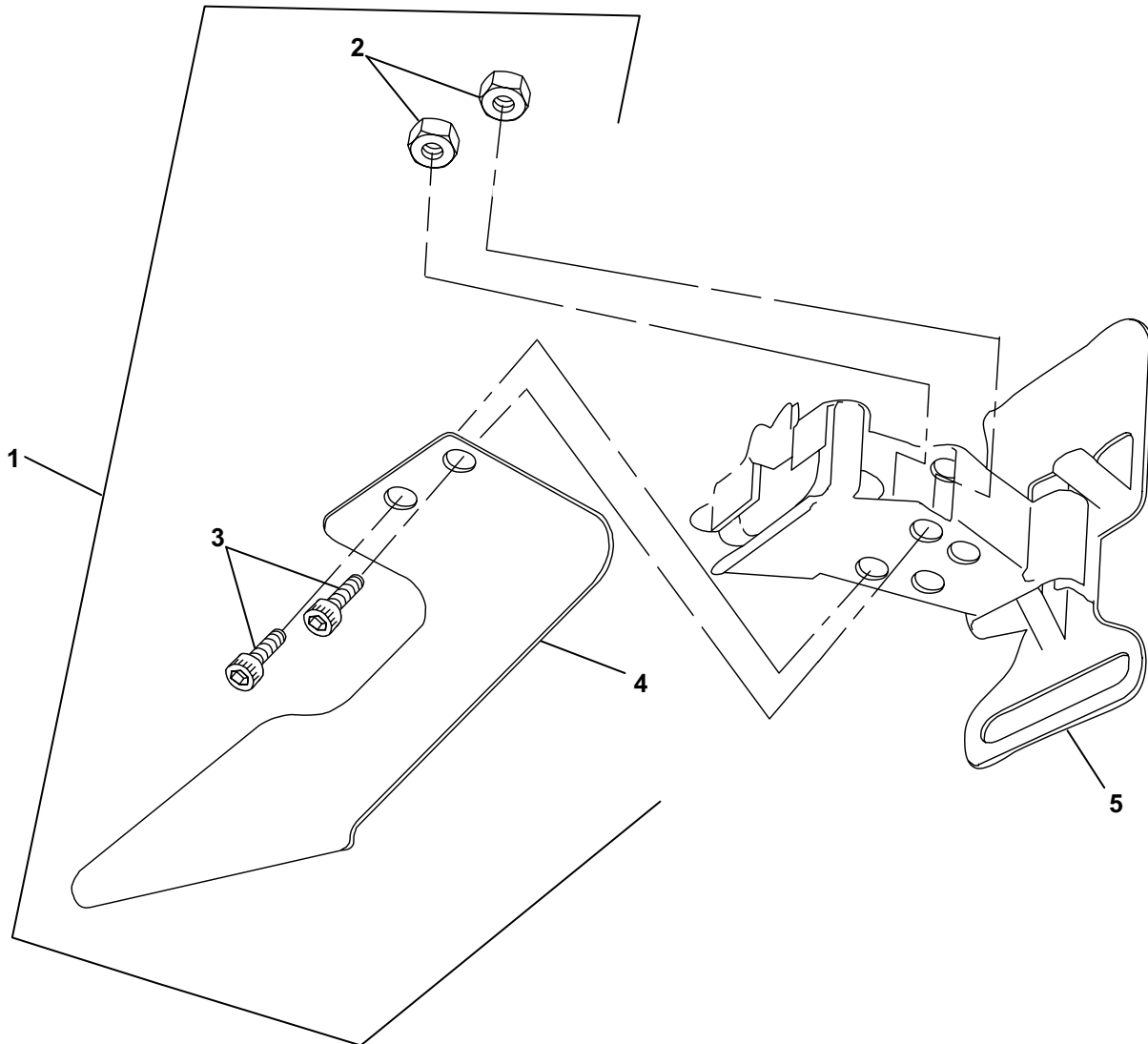


Figure C-47. Ammo Adapter Bracket Assembly and Deflector 12986106

SECTION II

ARMY TM 9-1005-245-13&P
 MARINE CORPS TM 1005-13&P/1
 AIR FORCE T.O. 11W2-8-1-322

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 06 FIG.C-47 AMMO ADAPTER BRACKET ASSEMBLY AND DEFLECTOR 12986106	
1	PAOZZ	19200	12986106	DEFLECTOR KIT UOC: BB8	1
2	PAOZZ	80205	MS21044C4	. NUT, SELF-LOCKING..... UOC: BB8	2
3	PAOZZ	80205	MS16996-21	. SCREW, CAP, SOCKET HEAD..... UOC: BB8	2
4	KFOZZ	19200	12986105	. PLATE, DEFLECTOR UOC: BB8	1
5	PAOOO	19200	12976909	BRACKET, AMMO UOC: BB8	1

END OF FIGURE

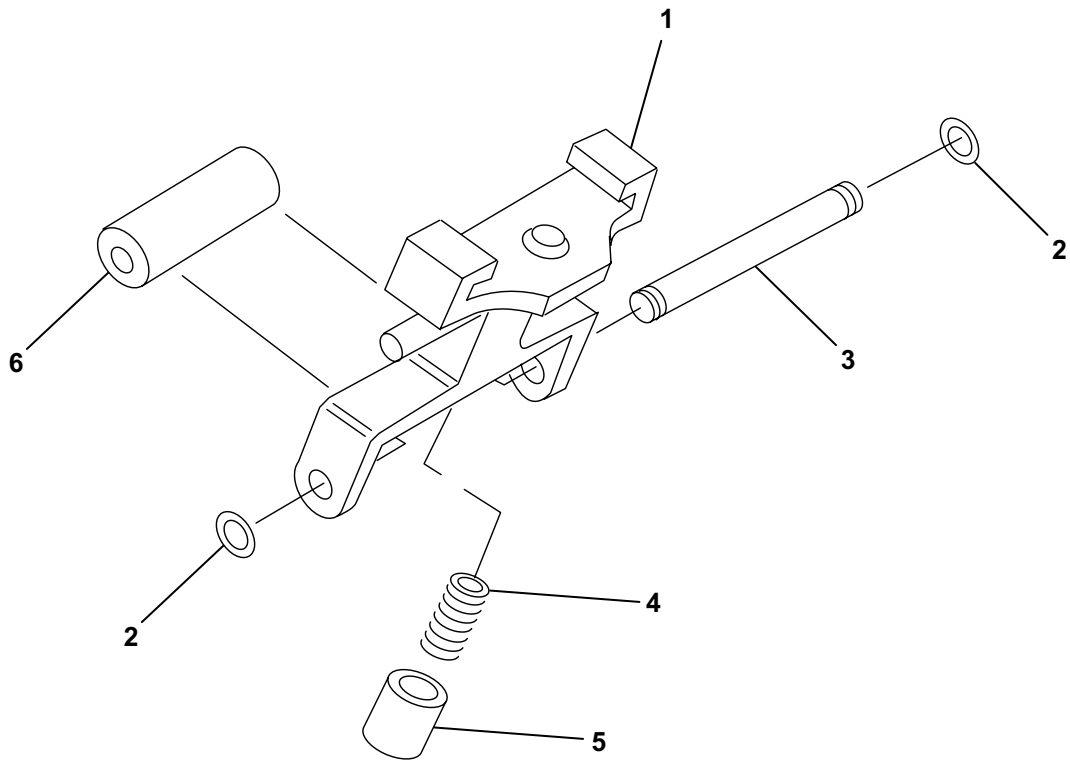


Figure C-48. Gun Mount Adapter Parts
NPN.

SECTION II

**ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322**

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 07					
FIG.C-48 GUN MOUNT ADAPTER PARTS					
NPN					
1	PAOZZ	19205	7792991	ADAPTER ASSEMBLY, TR..... UOC:BB8	1
2	PAOZZ	96906	MS16624-1043	RING, RETAINING UOC:BB8	2
3	PAOZZ	19200	12956267	PIN GROOVED, HEADLESS..... UOC:BB8	1
4	PAOZZ	19205	7792987	SPRING, HELICAL, COMP UOC:BB8	1
5	PAOZZ	19205	7792986	PLUNGER, STUD UOC:BB8	1
6	PAOZZ	19200	12956268	SPACER, SLEEVE..... UOC:BB8	1

END OF FIGURE

SECTION II
(1) (2) (3)
ITEM SMR
NO CODE CAGEC

TM9-1005-245-13&P
(4)
PART
NUMBER

(5)

(6)

DESCRIPTION AND USABLE ON CODES(UOC) QTY

GROUP 9999
FIG.BULK

1 PAFZZ 96906 MS20995C32

WIRE,NONELECTRICAL AM7,AM9..... V

END OF FIGURE

BULK-1

**ARMY TM 9-1005-245-13&P
MARINE CORPS TM 1005-13&P/1
AIR FORCE T.O. 11W2-8-1-322**

CROSS REFERENCE INDEXES

FIGURE AND ITEM NUMBER INDEX

FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
BULK	1	9505-00-293-4208	96906	MS20995C32
C-1	1	1005-00-710-5599	19205	7790723
C-1	1	1005-01-433-1617	19200	12976949
C-2	1		19200	7790948
C-2	2	1005-00-603-4834	19205	7791119
C-2	3	1005-01-411-6340	19200	12976940
C-2	4	1005-00-945-9756	19205	11010408
C-3	1	5306-00-516-9880	19204	5169880
C-3	2	1005-00-555-9338	19204	5559338
C-3	3	5306-00-516-9881	19204	5169881
C-3	4	5306-00-516-9882	19204	5169882
C-3	5	3102-00-610-8201	19205	6108201
C-3	6		19204	5559331
C-3	7	5310-00-732-0559	96906	MS51968-8
C-3	8	1005-00-610-8195	19204	6108195
C-3	9	5306-00-516-9879	19204	5169879
C-3	10	5305-00-514-1950	19204	5141950
C-3	11	5310-00-916-2171	19205	11010529
C-3	12	1005-00-610-8986	19204	6108986
C-3	13	5305-00-054-6869	96906	MS51031-48
C-3	14	5310-00-768-0319	96906	MS51968-2
C-3	15	5365-00-513-9962	19205	5139962
C-3	16	1005-00-555-9337	19204	5559337
C-3	17	5315-00-514-0004	19207	5140004
C-3	18	5340-00-513-9959	19205	5139959
C-3	19	5360-00-513-9997	19205	5139997
C-3	20	1005-00-555-9333	19205	5559333
C-4	1	5310-01-374-0508	96906	MS51943-2
C-4	2	5310-00-517-4192	19205	5174192
C-4	3	5120-01-231-0265	19204	11010037
C-4	4	1005-00-588-3490	19205	5174175
C-4	5	5315-00-517-1495	19205	5171495
C-4	6	5360-00-915-5615	19205	11010547
C-4	7	4730-00-517-1491	19207	5171491
C-4	8	5355-00-517-1492	19205	5171492
C-4	9	5355-00-615-8375	19207	6158375
C-4	10	5310-00-935-3750	96906	MS51943-4
C-4	11	5315-00-616-5517	96906	MS35756-2
C-4	12	5305-00-513-9989	19204	5139989
C-4	13	5310-00-949-1971	19205	11010413
C-4	14	1005-00-722-3850	19205	7793002
C-4	15	5360-00-473-5447	19205	7793003
C-4	16	5305-00-513-9988	19205	5139988
C-4	17	1005-00-518-9757	19205	5189757
C-4	18	5315-00-051-8636	96906	MS16562-120
C-4	19	5325-00-803-7315	96906	MS16624-1043
C-4	20	5315-00-809-5417	19205	7792993
C-5	1	1005-00-919-7273	19205	10110242
C-5	2		19204	7793004

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FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
C-5	3	5355-00-513-9982	19204	5139982
C-5	4	5305-00-514-0612	19204	5140612
C-5	5	5355-00-610-8211	19204	6108211
C-5	6	1005-00-513-9994	19204	5139994
C-5	7	5365-00-514-0485	19205	5140485
C-5	8	1005-00-840-8768	19204	8408768
C-5	9	5340-00-513-9995	19204	5139995
C-5	10	5360-00-915-5616	19205	11010523
C-5	11	5315-00-915-8174	19205	11010522
C-6	1	Deleted		
C-6	2	Deleted		
C-6	3	Deleted		
C-6	4	Deleted		
C-7	1	5320-00-915-8185	19205	11010448
C-7	2	1005-00-514-1080	19205	5141080
C-7	3		19205	5141081
C-7	4		19205	6140648
C-7	5	5360-00-514-2877	19205	5142877
C-7	6		19204	5141121
C-8	1	1005-00-322-9716	19204	8403398
C-9	1	1005-00-557-4621	19200	5574621
C-9	2	5306-00-513-9973	19204	5139973
C-9	3	1005-00-555-9332	19200	5559332
C-9	4	5310-00-513-9964	19204	5139964
C-9	5	5315-00-903-3971	96906	MS24665-834
C-10	1	1005-00-650-7137	19204	6507137
C-10	2	5306-00-297-8753	19204	5170484
C-10	3	5306-00-182-1801	88044	AN174-21A
C-10	4	5306-00-517-0486	19205	5170486
C-10	5		19200	8448211
C-10	6	3120-00-610-8397	19205	6108397
C-10	7		19204	5559419
C-10	8	5305-00-054-6869	96906	MS51031-48
C-10	9	5306-00-610-8395	19204	6108395
C-10	10	5315-00-902-0419	96906	MS16555-42
C-10	11		19204	6108400
C-10	12	1005-00-555-9423	19204	5559423
C-10	13	5310-00-619-3782	19204	6193782
C-10	14	5315-00-812-1008	96906	MS39086-95
C-10	15	5310-00-543-5858	96906	11010526
C-10	15A		96906	11010528
C-10	16	3110-00-610-8396	19204	6108396
C-10	17	5305-00-514-0237	19205	5140237
C-10	18	5305-00-514-1950	19204	5141950
C-10	19	5310-00-916-2171	19205	11010529
C-10	20	5340-00-610-8402	19204	6108402
C-10	21	5310-00-543-5858	96906	MS35691-826
C-10	22	1005-00-650-7136	19204	6507136
C-10	23	5365-00-514-0219	19205	5140219
C-10	24	1005-00-714-9678	19204	7149678
C-11	1	1005-00-940-8077	19200	11010426
C-11	2	5340-00-514-0211	19204	5140211

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FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
C-11	3	5310-00-916-2172	19205	11010530
C-11	4	5305-00-514-0213	19204	5140213
C-11	5	5315-00-514-0210	19205	5140210
C-11	6	3040-00-514-0204	19204	5140204
C-11	7	5360-00-514-0209	19205	5140209
C-11	8		19204	5559428
C-11	9	5310-00-916-2170	19205	11010421
C-11	10	5315-00-812-0762	96906	MS39086-54
C-12	1		19204	5559424
C-12	2	5360-00-514-0209	19205	5140209
C-12	3	5315-00-514-0210	19205	5140210
C-12	4	3040-00-514-0204	19204	5140204
C-12	5	5340-00-514-0211	19204	5140211
C-12	6	5305-00-514-0213	19204	5140213
C-12	7	5310-00-916-2172	19205	11010530
C-12	8		19204	6108384
C-12	9	5310-00-916-2170	19205	11010421
C-12	10	5315-00-812-0762	96906	MS39086-54
C-13	1	1005-00-940-8077	19200	11010426
C-13	2	5310-00-916-2172	19205	11010530
C-13	3	5305-00-514-0213	19204	5140213
C-13	4	5340-00-514-0211	19204	5140211
C-13	5		19200	5559425
C-13	6	5360-00-514-0215	19205	5140215
C-13	7	5340-00-514-0216	19204	5140216
C-13	8	5315-00-514-0217	19204	5140217
C-13	9	5315-00-812-0762	96906	MS39086-54
C-13	10	5310-00-916-2170	19205	11010421
C-13	11	5360-00-514-0209	19205	5140209
C-13	12	3040-00-514-0204	19204	5140204
C-13	13	5315-00-514-0210	19205	5140210
C-14	1	4010-00-514-1460	19205	5141460
C-14	2	5315-00-517-4113	19204	5174113
C-14	3	5310-01-374-0508	96906	MS51943-2
C-14	4	5310-00-517-4192	19205	5174192
C-14	5		19204	6166497
C-14	6	1005-00-517-4123	19200	5174123
C-14	7	5315-00-517-1495	19205	5171495
C-14	8	5360-00-915-5615	19205	11010547
C-14	9	4730-00-517-1491	19207	5171491
C-14	10	5355-00-517-1492	19205	5171492
C-14	11	5355-00-615-8375	19207	6158375
C-14	12	5310-00-935-3750	96906	MS51943-4
C-14	13	5315-00-916-2173	19205	11010407
C-14	14	5305-00-513-9989	19204	5139989
C-14	15	5310-00-949-1971	19205	11010413
C-14	16	3040-00-519-4313	19200	5194313
C-14	17	5360-00-305-0725	19205	8412295
C-14	18	5305-00-514-0383	19200	5140383
C-14	19	5360-00-518-9756	19200	5189756
C-14	20	5315-00-051-8636	96906	MS16562-120
C-15	1	9905-00-514-0669	19204	5140669

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FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
C-15	2	5305-01-167-5845	19204	5591828
C-15	3	5355-00-513-9982	19204	5139982
C-15	4	5305-00-514-0612	19204	5140612
C-15	5	5355-00-610-8211	19204	6108211
C-15	6	1005-00-514-0137	19200	5140137
C-15	7	5365-00-514-0485	19205	5140485
C-15	8	1005-00-840-8768	19204	8408768
C-15	9	5340-00-513-9995	19204	5139995
C-15	10	5360-00-915-5616	19205	11010523
C-15	11	5315-00-915-8174	19205	11010522
C-16	1	5320-00-915-8185	19205	11010448
C-16	2	1005-00-514-1080	19205	5141080
C-16	3		19204	5141081
C-16	4		19205	6153118
C-16	5	5360-00-514-0209	19205	5140209
C-16	6		19204	5140225
C-17	1	1005-00-701-2710	19204	7012810
C-18	1	5305-00-709-8516	96906	MS90727-86
C-18	2	5315-00-839-2325	96906	MS24665-132
C-18	3	2590-00-841-9341	19204	10945028
C-18	4	5315-00-610-5729	96906	MS35810-2
C-18	5		19204	7012727
C-18	6	1005-00-941-9338	19204	11589551
C-18	7	9505-00-921-0588	19207	10907432-4
C-18	8	5305-00-723-9386	96906	MS51963-64
C-18	9	5310-00-057-7080	96906	MS51922-29
C-18	10	5310-00-809-4085	96906	MS27183-16
C-18	11	1005-00-072-6112	19204	11631739
C-19	1	1005-01-187-9615	19204	7012725
C-19	2	5315-00-701-2720	19207	7012720
C-19	3	1005-01-184-6363	19207	7012720
C-19	4	1005-01-184-6365	19204	7012722
C-19	5	5305-00-984-6215	96906	MS35206
C-19	6	5310-00-045-3296	96906	MS35338-43
C-19	7	1005-01-184-6364	19204	7012724
C-19	8		19204	7070851
C-19	9	5330-01-154-0238	19204	7012805-1
C-19	10	1005-01-169-1144	19204	7012726
C-19	11	5310-00-559-0070	96906	MS35333-38
C-19	12	5305-00-984-6194	96906	MS35206-246
C-19	13	5330-01-154-0239	19204	7012805-2
C-19	14	5330-00-167-0638	19204	7012806
C-19	15	1005-01-169-1143	19204	7012701
C-19	16	5310-00-576-5752	96906	MS35333-39
C-19	17	5305-00-989-7434	96906	MS35207-263
C-20	1		19204	7070704
C-20	2	5310-00-984-3806	96906	MS51922-9
C-20	3	1005-01-169-1756	19204	7012702
C-20	4		19204	7012713
C-20	5	5305-00-983-6625	96906	MS16997-84
C-20	6	4030-00-270-5436	96906	MS87006-3
C-20	7	4010-00-129-3221	81348	RRC271

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FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
C-20	8	1005-00-701-2747	19204	7012747
C-20	9	5315-00-842-3044	96906	MS24665-283
C-20	10	1005-00-701-2730	19204	7012730
C-20	11	5305-00-983-6625	96906	MS16997-84
C-20	12	5315-00-701-2804	19204	7012804
C-20	13	5340-00-701-2731	19204	7012731
C-20	14	5360-00-701-2733	19207	7012733
C-20	15	5365-00-701-2732	19204	7012732
C-20	16	5315-00-816-1794	96906	MS24665-285
C-20	17		19204	7012740
C-20	18	5340-00-389-8118	19207	8668937
C-20	19	5120-00-701-2762	19204	7012762
C-20	20	1005-00-701-2801	19204	7012801
C-20	21	3120-00-934-8319	19204	7012728
C-21	1	1005-00-701-2759	19204	7012759
C-21	2	5305-00-983-8084	96906	MS16997-60
C-21	3	3040-00-701-2800	19204	7012800
C-21	4	1005-00-701-2756	19204	7012756
C-21	5	5315-00-999-4241	96906	MS51932-59
C-21	6	5315-00-842-3044	96906	MS24665-283
C-21	7	5310-00-707-0734	19207	7070734
C-21	8	2530-00-701-2765	19204	7012765
C-21	9	5340-00-701-2758	19204	7012758
C-21	10	5310-00-809-4061	96906	MS27183-15
C-21	11	5310-00-087-4652	96906	MS51922-17
C-21	12	5310-00-701-2761	19207	7012761
C-21	13	5305-00-723-9383	96906	MS51963-67
C-21	14	1005-00-934-8320	19204	7012753
C-21	15	5360-00-701-2752	19207	7012752
C-21	16	5315-00-889-2518	96906	MS16556-628
C-21	17	1005-00-701-2757	19204	7012757
C-21	18	5360-00-701-2748	19204	7012748
C-21	19	5310-00-701-2749	19207	7012749
C-21	20	5320-00-057-5543	96906	MS35743-11
C-21	21	5305-00-983-5334	96906	MS16997-102
C-21	22	5340-00-701-2760	19204	7012760
C-22	1	1005-01-254-0332	19200	12597090
C-22	1	1005-01-411-6340	19200	12976940
C-23	1	1005-01-252-2820	19200	12597091
C-23	2	5305-00-993-7198	96906	MS24673-4
C-23	3		96906	MS20995C32
C-23	4	5365-01-009-6843	96906	MS3215-4037
C-23	5		19200	12597102
C-23	5		19200	12976941
C-23	6	5305-00-921-0042	96906	MS18153-58
C-23	7	1005-01-257-9252	19200	12597105
C-23	8	1005-00-252-3011	19200	12597103
C-23	8	1005-01-429-0427	19200	12976945
C-23	9	5315-01-252-2981	19200	12597104
C-23	10	1005-01-352-5345	19200	12976944
C-23	11	5315-01-408-6009	19200	12976943

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FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
C-23	12	1005-01-408-5915	19200	12976942
C-24	1	5315-00-989-1157	96906	MS39086-44
C-24	2		19200	12597092
C-24	3	5360-01-255-4199	19200	12597095
C-24	4	1005-01-252-2821	19200	12597096
C-24	5	1005-01-252-2822	19200	12597097
C-24	6	3040-01-253-6871	19200	12597098
C-24	7		19200	12597093
C-24	8	4710-01-252-3026	19200	12597094
C-24	9	5305-00-954-3487	96906	MS35190-271
C-24	10	5315-01-293-2142	19200	12597099
C-24	11	5365-01-197-4458	19200	11826283
C-24	12	5315-00-690-0544	96906	MS39086-93
C-24	13	1005-01-252-2823	19200	12597100
C-25	1	1005-00-854-4463	19207	10900945
C-26	1	1005-00-779-2479	19204	10900948
C-26	2	1005-00-121-0778	19204	10900712
C-26	3	5305-00-904-4053	96906	MS51096-355
C-26	4		96906	MS20995C32
C-26	5	5305-00-939-1179	96906	MS51095-364
C-26	6	5306-00-854-4464	19207	10900962
C-26	7		19204	10900949
C-26	8	4010-00-523-6999	19204	5236999
C-26	9	5315-00-854-4465	19207	10900963
C-26	10	5305-00-984-5695	96906	MS35206-315
C-26	11	5310-00-851-2682	96906	MS35691-17
C-26	12	5310-00-842-1490	96906	MS35692-37
C-26	13	5315-00-019-0777	96906	MS24665-291
C-26	14	5310-00-809-5998	96906	MS27183-18
C-26	15		19204	10900947
C-26	16	5340-00-772-0190	19204	7792982
C-26	17	5360-00-772-0187	19205	7792978
C-26	18	1005-00-121-0779	19204	10900946
C-26	19	5315-00-772-0186	19205	7792977
C-27	1	1005-00-704-6650	19204	7046650
C-28	1	1005-00-704-6653	19204	7046653
C-28	2	5310-00-595-7237	96906	MS35333-42
C-28	3	5305-00-269-3233	96906	MS90727-57
C-28	4	8140-00-659-0078	19204	6590078
C-28	5	9390-00-532-8282	19204	5328284
C-28	6	5315-00-538-4055	19204	5384055
C-28	7	1005-00-704-6652	19204	7046652
C-28	8	5315-00-538-4057	19204	5384057
C-28	9	5315-00-811-9105	96906	MS20392-3C41
C-28	10	5310-00-809-4058	96906	MS27183-10
C-28	11	5360-00-526-0143	19207	5384062
C-28	12	5315-00-839-2325	96906	MS24665-132
C-28	13	5340-00-538-4060	19204	5384060
C-28	14	1005-00-538-4053	19204	5384053
C-28	15		19204	7042930
C-28	16	5310-00-407-9566	96906	MS35338-45

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FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
C-28	17	5310-00-880-7746	96906	MS57968-5
C-28	18	5315-00-707-0292	19207	7070292
C-28	19	5315-00-704-2932	19205	7042932
C-28	20		96906	MS35338-046
C-28	21	5305-00-068-0511	96906	MS90728-62
C-28	22	5315-00-707-0291	19207	7070291
C-28	23	1005-00-629-7412	19204	6297412
C-28	24	5310-00-543-4385	96906	MS35333-46
C-28	25	5307-00-538-4059	19204	5384059
C-28	26	5315-00-538-4056	19204	5384056
C-28	27	5360-00-629-7411	19207	6297411
C-28	28	5310-00-538-4064	19204	5384064
C-29	1	1005-00-783-5494	19204	11631740-2
C-30	1	5305-00-050-4212	96906	MS90725-186
C-30	2	5310-00-809-5998	96906	MS27183-18
C-30	3	5305-00-719-5238	96906	B1821BH050F200N
C-30	4	5310-00-877-5795	96906	MS21044-N8
C-30	5	1005-00-918-3008	19207	10949553-2
C-30	6	5310-00-809-8553	96906	MS27183-23
C-30	7	1005-01-016-6790	19204	11661033
C-30	6	5305-00-762-6041	96906	B1821BH075F250N
C-30	9	5310-00-832-9719	96906	MS51922-61
C-30	10	5305-00-916-2345	96906	B1821BH075F200N
C-30	11	1005-00-410-8318	19204	11661034
C-30	12	1005-00-918-3007	19207	10949553-1
C-30	13	5340-01-043-7938	19204	8433770-1
C-31	1	1005-01-383-2757	53711	6650717
C-31	2	1398-01-387-3095	53711	6650724
C-31	3	1005-01-383-2949	53711	6650450
C-31	4	5340-01-340-8471	19200	12929150
C-31	5	1005-01-388-5679	53711	6650723
C-31	6	1010-01-445-6143	19200	12012061
C-31	7	1010-01-151-6227	53711	5830128
C-31	8	1005-01-383-2949	53711	6650450
C-32	1		53711	6650434
C-32	2	5360-01-150-1922	53711	5830054
C-32	3		53711	6650725
C-32	4	5310-00-160-9869	96906	MS21083C16
C-32	5	5310-01-206-3478	88044	AN960XC1616
C-32	6	1005-01-388-5696	53711	6650446
C-32	7	5310-01-388-4108	53711	6650407
C-32	8	1005-01-386-2011	53711	6650406
C-32	9	5315-01-386-0206	53711	6650695
C-32	10	5310-00-050-9372	96906	MS21083C10
C-33	1	5305-00-172-4180	96906	MS51957-61B
C-33	2	1005-01-386-4688	53711	6650443
C-33	3	5340-01-388-4109	53711	6650442
C-33	4	2510-01-387-0586	53711	6650448
C-33	5	1005-01-388-5697	53711	6650437
C-33	5	1005-01-388-7006	53711	6650436
C-33	6	5310-01-142-8417	19200	9363644

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FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
C-33	7	5305-00-719-3997	96906	MS35307-303
C-33	8	5310-00-151-5572	88044	NAS1149C0863B
C-33	9	5305-00-646-7389	96906	MS35307-409
C-33	10	1005-01-396-2006	53711	6650445
C-33	11	5315-01-387-4379	53711	6650673
C-33	12	1010-01-451-7557	53711	6650651
C-33	13	5307-01-386-2015	53711	6650654
C-33	14	5305-01-386-0209	53711	6650696
C-33	15	5310-01-386-0202	53711	6650697
C-33	16	5315-01-385-9216	53711	6650433-2
C-33	17	5315-01-385-9214	53711	6650433-1
C-33	18	3040-01-386-0204	53711	6650439-1
C-33	19	1005-01-388-6911	53711	6650438
C-33	20	5306-00-637-9675	53711	MS35307-332
C-33	21	3040-01-386-5925	53711	6650439-2
C-33	22	5340-01-386-8380	53711	6650444
C-33	23	5340-01-387-1944	53711	6650441
C-34	1	5310-00-208-9255	96906	MS21044C3
C-34	2	5305-00-433-3740	96906	MS51958-648
C-34	3	5340-01-282-3650	94222	37-10-086-20
C-34	4		53711	6650435
C-35	1		19200	12929159
C-35	2	5355-01-387-4540	19200	12953608
C-35	3	5315-01-342-0671	19200	12929251
C-35	4	4010-01-149-5518	53711	5820087-5
C-36	1		53711	6650671
C-36	2	1005-01-388-5702	53711	6650722-1
C-36	2	1005-01-388-5685	53711	6650722-2
C-36	3	5315-01-385-9216	53711	6650433-2
C-37	1		53711	6650488
C-37	2	1290-01-386-2008	53711	6650496
C-37	3	5306-01-388-0795	53711	6650501
C-37	4	5340-01-388-5595	53711	6650489
C-37	5	3110-01-387-0590	53711	6650561
C-37	6	5305-00-514-0237	19205	5140237
C-37	7	5365-01-386-5924	53711	6650494
C-37	8	5340-01-386-8327	53711	6650493
C-37	9		53711	12012063
C-37	10	5315-01-447-2233	53711	12012064
C-37	11	5305-01-075-6083	96906	MS51958-798
C-37	12	5325-01-447-2281	19200	12012071
C-37	13	5340-01-447-2276	19200	12012067
C-37	14		53711	12012065
C-37	15	5305-00-514-0237	19205	5140237
C-37	16	3110-01-387-0590	53711	6650561
C-37	17	5340-01-447-8969	19200	12012075
C-37	18		19200	12012074

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FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
C-37	19	5315-01-447-2267	19200	12012076
C-37	20	5315-01-386-2768	53711	6650498
C-37	21	5315-00-826-3251	96906	MS16562-223
C-38	1	1005-01-411-6341	19200	12956270
C-39	1	5325-01-433-0817	211092	307328.00
C-39	2	1005-01-442-0415	2U092	307307.00
C-39	3	4010-01-432-5838	211092	307331.00
C-39	4	5315-01-433-1817	2U092	307329.00
C-39	5	5305-00-226-7768	96906	MS90726-115
C-39	6	5310-01-266-4641	96906	MS51412-9
C-39	7	5310-00-067-9507	81349	M45913/1-BFG5C
C-39	8	5310-00-003-4094	96906	MS35338-48
C-39	9	1005-01-432-4652	2U092	307312.00
C-39	10	4710-01-433-1256	2U092	307311.00
C-39	11	4710-01-432-8193	2U092	307302.00
C-39	12	5315-01-433-1740	211092	307326.00
C-39	13	5305-00-071-2079	96906	B1821BH050C400N
C-39	14	5310-00-814-0673	96906	MS51943-33
C-39	15		2U092	307305.00
C-39	16	4730-01-433-8116	2U092	307310.00
C-39	17	5305-01-433-5835	96906	B1821BH050F450N
C-39	18	3040-01-434-0789	2U092	307316.00
C-40	1	1005-01-413-4098	19200	12956264
C-41	1	1010-01-151-6229	53711	5830131
C-41	2	1005-01-480-9118	19200	12956265-2
C-41	3	1010-01-151-6239	53711	5830063
C-41	4	1005-01-461-2654	19200	12986102
C-42	1	5310-00-950-0039	96906	MS21044N6
C-42	2	5310-00-149-9130	96906	MS20002-6
C-42	3	5305-00-269-3246	96906	MS90727-70
C-42	4	5365-01-306-4235	19200	12956283-2
C-42	5	5315-01-368-7364	96906	MS17986C725
C-42	6	4010-01-447-5812	19200	12956269
C-42	7		19200	12956266
C-43	1		53711	5830133
C-43	2	5310-00-407-9566	96906	MS35338-45
C-43	3	5306-00-225-8499	96906	MS90725-34
C-44	1		53711	5830132
C-44	2	5315-01-292-6411	96906	MS17986C325
C-44	3	4010-01-151-6230	53711	2643009
C-44	4	5305-00-052-9329	96906	MS16996-21
C-45	1	5340-00-945-9768	19205	11010409
C-45	2	5360-00-945-9954	19204	11010410
C-45	3		19204	11010412
C-45	4	5315-00-947-7250	19205	11010411

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FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
C-46	1		19200	12986103
C-46	2	5315-01-461-2651	19200	12986104
C-46	3	4010-01-151-6230	19200	2843009
C-46	4	5305-00-052-9329	96906	MS16996-21
C-47	1	1005-01-648-0552	19200	12986106
C-47	2	5310-00-889-2589	80205	MS21044/C4
C-47	3	5305-00-052-9329	80205	MS16996-21
C-47	4		19200	12986105
C-47	5	1005-01-431-8324	19200	12976909
C-48	1	1005-00-772-0194	19205	7792991
C-48	2	5325-00-803-7315	96906	MS16624-1043
C-48	3	5315-01-434-3288	19200	12956267
C-48	4	5360-00-772-0193	19205	7792987
C-48	5	1005-00-772-0192	19205	7792986
C-48	6	5365-01-434-0883	19200	12956268

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PART NUMBER	STOCK NUMBER	CAGEC	FIG.	ITEM
AN174-21A	5306-00-182-1801	88044	C-10	3
AN960XC1616	5310-01-206-3478	88044	C-32	5
B1821BH050F200N	5305-00-719-5238	96906	C-30	3
B1821BH050C400N	5305-00-071-2079	96906	C-39	13
B1821BH050F450N	5305-01-433-5835	96906	C-39	17
B1821BH075F200N	5305-00-916-2345	96906	C-30	10
B182BH075F250N	5305-00-762-6041	96906	C-30	8
MS3215-4037	5365-01-009-6843	96906	C-23	4
MS16555-42	5315-00-902-0419	96906	C-10	10
MS16556-628	5315-00-889-2518	96906	C-21	16
MS16562-120	5315-00-051-8636	96906	C-4	18
			C-14	20
MS16562-223	5315-00-826-3251	96906	C-37	21
MS16624-1043	5325-00-803-7315	96906	C-4	19
			C-48	2
MS16996-21	5305-00-052-9329	80205	C-44	4
			C-46	4
			C-47	3
MS16997-60	5305-00-983-8084	96906	C-21	2
MS16997-84	5305-00-983-6625	96906	C-20	5
			C-20	11
MS16997-102	5305-00-983-5334	96906	C-21	21
MS17986C325	5315-01-292-6411	96906	C-44	2
MS17986C725	5315-01-368-7364	96906	C-42	5
MS18153-58	5305-00-921-0042	96906	C-23	6
MS20002-6	5310-00-149-9130	96906	C-42	2
MS20392-3C41	5315-00-811-9105	96906	C-28	9
MS20995C32		96906	BULK	1
			C-23	3
			C-26	4
MS21044C3	5310-00-208-9255	96906	C-34	1
MS21044/C4		80205	C-47	2
MS21044N6	5310-00-950-0039	96906	C-42	1
MS21044-N8	5310-00-877-5795	96906	C-30	4
MS21083C10	5310-00-050-9372	96906	C-32	10
MS21083C16	5310-00-160-9869	96906	C-32	4
MS24665-132	5315-00-839-2325	96906	C-18	2
			C-28	12
MS24665-283	5315-00-842-3044	96906	C-20	9
			C-21	6
MS24665-285	5315-00-816-1794	96906	C-20	16
MS24665-291	5315-00-019-0777	96906	C-26	13
MS24665-834	5315-00-903-3971	96906	C-9	5
MS24673-4	5305-00-993-7198	96906	C-23	2
MS27183-10	5310-00-809-4058	96906	C-28	10
MS27183-15	5310-00-809-4061	96906	C-21	10
MS27183-16	5310-00-809-4085	96906	C-18	10
MS27183-18	5310-00-809-5998	96906	C-26	14
			C-30	2
MS27183-23	5310-00-809-8553	96906	C-30	6
MS35190-271	5305-00-954-3487	96906	C-24	9
MS35206-246	5305-00-984-6194	96906	C-19	12

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PART NUMBER	STOCK NUMBER	CAGEC	FIG.	ITEM
MS35206-268	5305-00-984-6215	96906	C-19	5
MS35206-315	5305-00-984-5695	96906	C-26	10
MS35207-263	5305-00-989-7434	96906	C-19	17
MS35307-303	5305-00-719-3997	96906	C-33	7
MS35307-332	5306-00-637-9675	96906	C-33	20
MS35307-409	5305-00-646-7389	96906	C-33	9
MS35333-38	5310-00-559-0070	96906	C-19	11
MS35333-39	5310-00-576-5752	96906	C-19	16
MS35333-42	5310-00-595-7237	96906	C-28	2
MS35338-43	5310-00-045-3296	96906	C-19	6
MS35333-46	5310-00-543-4385	96906	C-28	24
MS35338-45	5310-00-407-9566	96906	C-28	16
			C-43	2
MS35338-046		96906	C-28	20
MS35338-48	5310-00-003-4094	96906	C-39	8
MS35691-17	5310-00-851-2682	96906	C-26	11
MS35691-826	5310-00-543-5858	96906	C-10	21
MS35692-37	5310-00-842-1490	96906	C-26	12
MS35743-11	5320-00-057-5543	96906	C-21	20
MS35756-2	5315-00-616-5517	96906	C-4	11
MS35810-2	5315-00-610-5729	96906	C-18	4
MS39086-54	5315-00-812-0762	96906	C-11	10
			C-12	10
			C-13	9
MS39086-44	5315-00-989-1157	96906	C-24	1
MS39086-93	5315-00-690-0544	96906	C-24	12
MS39086-95	5315-00-812-1008	96906	C-10	14
MS51031-48	5305-00-054-6869	96906	C-3	13
			C-10	8
MS51095-364	5305-00-939-1179	96906	C-26	5
MS51096-355	5305-00-904-4053	96906	C-26	3
MS51412-9	5310-01-266-4641	96906	C-39	6
MS51922-9	5310-00-984-3806	96906	C-20	2
MS51922-17	5310-00-087-4652	96906	C-21	11
MS51922-29	5310-00-057-7080	96906	C-18	9
MS51922-61	5310-00-832-9719	96906	C-30	9
MS51932-59	5315-00-999-4241	96906	C-21	5
MS51943-2	5310-01-374-0508	96906	C-4	1
			C-14	3
MS51943-33	5310-00-814-0673	96906	C-39	14
MS51943-4	5310-00-935-3750	96906	C-4	10
			C-14	12
MS51957-61B	5305-00-172-4180	96906	C-33	1
MS51958-64B	5305-00-433-3740	96906	C-34	2
MS51958-79B	5305-01-075-6083	96906	C-37	11
MS51963-64	5305-00-723-9386	96906	C-18	8
MS51963-67	5305-00-723-9383	96906	C-21	13
MS51968-2	5310-00-768-0319	96906	C-3	14

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PART NUMBER	STOCK NUMBER	CAGEC	FIG.	ITEM
MS57968-5	5310-00-880-7746	96906	C-28	17
MS51968-8	5310-00-732-0559	96906	C-3	7
MS87006-3	4030-00-270-5436	96906	C-20	6
MS90725-34	5306-00-225-8499	96906	C-43	3
MS90725-186	5305-00-050-4212	96906	C-30	1
MS90726-115	5305-00-226-7768	96906	C-39	5
MS90727-57	5305-00-269-3233	96906	C-28	3
MS90727-70	5305-00-269-3246	96906	C-42	3
MS90727-86	5305-00-709-8516	96906	C-18	1
MS90728-62	5305-00-068-0511	96906	C-28	21
M45913/1-BFG5C	5310-00-067-9507	81349	C-39	7
NAS1149C0863B	5310-00-151-5572	88044	C-33	8
RRC271	4010-00-129-3221	81348	C-20	7
307302.00	4710-01-432-8193	2U092	C-39	11
307305.00		2U092	C-39	15
307307.00	1005-01-442-0415	2U092	C-39	2
307310.00	4730-01-433-8116	2U092	C-39	16
307311.00	4710-01-433-1256	2U092	C-39	10
307312.00	1005-01-432-4652	2U092	C-39	9
307316.00	3040-01-434-0789	2U092	C-39	18
307326.00	5315-01-433-1740	2U092	C-39	12
307328.00	5325-01-433-0817	2U092	C-39	1
307329.00	5315-01-433-1817	2U092	C-39	4
307331.00	4010-01-432-5838	2U092	C-39	3
2843009	4010-01-151-6230	53711	C-44	3
			C-46	3
10900712	1005-00-121-0778	19204	C-26	2
10900945	1005-00-854-4463	19207	C-25	1
10900946	1005-00-121-0779	19204	C-26	18
10900947		19204	C-26	15
10900948	1005-00-779-2479	19204	C-26	1
10900949		19204	C-26	7
10900962	5306-00-854-4464	19207	C-26	6
10900963	5315-00-854-4465	19207	C-26	9
10907432-4	9505-00-921-0588	19207	C-18	7
10945028	2590-00-841-9341	19204	C-18	3
10949553-1	1005-00-918-3007	19207	C-30	12
10949553-2	1005-00-918-3008	19207	C-30	5
11010037		19204	C-4	3
10110242	1005-00-919-7273	19205	C-5	1
11010407	5315-00-916-2173	19205	C-14	13
11010408	1005-00-945-9756	19205	C-2	4
11010409	5340-00-945-9768	19205	C-45	1
11010410	5360-00-945-9954	19204	C-45	2
11010411	5315-00-947-7250	19205	C-45	4
11010412		19204	C-45	3
11010413	5310-00-949-1971	19205	C-4	13
			C-14	15
11010421	5310-00-916-2170	19205	C-11	9
			C-12	9
			C-13	10
11010426	1005-00-940-8077	19200	C-11	1
			C-13	1

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PART NUMBER	STOCK NUMBER	CAGEC	FIG.	ITEM
11010448	5320-00-915-8185	19205	C-7	1
			C-16	1
11010522	5315-00-915-8174	19205	C-5	11
			C-15	11
11010523	5360-00-915-5616	19205	C-5	10
			C-15	10
11010526	5310-00-543-5858	96906	C-10	15
11010528		96906	C-10	15A
11010529	5310-00-916-2171	19205	C-3	11
			C-10	19
11010530	5310-00-916-2172	19205	C-11	3
			C-12	7
			C-13	2
11010547	5360-00-915-5615	19205	C-4	6
			C-14	8
11589551	1005-00-941-9338	19204	C-18	6
11631739	1005-00-072-6112	19204	C-18	11
11631740-2	1005-00-783-5494	19204	C-29	1
11661033	1005-01-016-6790	19204	C-30	7
11661034	1005-00-410-8318	19204	C-30	11
11826283	5365-01-197-4458	19200	C-24	11
12012061	1010-01-445-6143	19200	C-31	6
12012063		53711	C-37	9
12012064	5315-01-447-2233	53711	C-37	10
12012065	1010-01-447-2983	53711	C-37	14
12012067	5340-01-447-2276	19200	C-37	13
12012071	5325-01-447-2281	19200	C-37	12
12012074		19200	C-37	18
12012075	5340-01-447-8969	19200	C-37	17
12012076	5315-01-447-2267	19200	C-37	19
12597090	1005-01-254-0332	19200	C-22	1
12597091	1005-01-252-2820	19200	C-23	1
12597092		19200	C-24	2
12597093		19200	C-24	7
12597094	4710-01-252-3026	19200	C-24	8
12597095	5360-01-255-4199	19200	C-24	3
12597096	1005-01-252-2821	19200	C-24	4
12597097	1005-01-252-2822	19200	C-24	5
12597098	3040-01-253-6871	19200	C-24	6
12597099	5315-01-293-2142	19200	C-24	10
12597100	1005-01-252-2823	19200	C-24	13
12597102		19200	C-23	5
12597103	1005-00-252-3011	19200	C-23	8
12597104	5315-01-252-2981	19200	C-23	9
12597105	1005-01-257-9252	19200	C-23	7
12929150	5340-01-340-8471	19200	C-31	4
12929251	5315-01-342-0671	19200	C-35	3
12929159		19200	C-35	1
12953608	5355-01-387-4540	19200	C-35	2
12956264	1005-01-413-4098	19200	C-40	1
12956265-2	1005-01-480-9118	19200	C-41	2
12956266		19200	C-42	7
12956267	5315-01-434-3288	19200	C-48	3

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PART NUMBER	STOCK NUMBER	CAGEC	FIG.	ITEM
12956268	5365-01-434-0883	19200	C-48	6
12956269	4010-01-447-5812	19200	C-42	6
12956270	1005-01-411-6341	19200	C-38	1
12956283-2	5365-01-306-4235	19200	C-42	4
12976909	1005-01-431-8324	19200	C-47	5
12976940	1005-01-411-6340	19200	C-2	3
			C-22	1
12976941		19200	C-23	5
12976942	1005-01-408-5915	19200	C-23	12
12976943	5315-01-408-6009	19200	C-23	11
12976944	1005-01-352-5345	19200	C-23	10
12976945	1005-01-429-0427	19200	C-23	8
12976949	1005-01-433-1617	19200	C-1	1
12986102	1005-01-461-2656	19200	C-41	4
12986103		19200	C-46	1
12986104	5315-01-461-2651	19200	C-46	2
12986105		19200	C-47	4
12986106	1005-01-468-0552	19200	C-47	1
37-10-086-20	5340-01-282-3650	94222	C-34	3
5139959	5340-00-513-9959	19205	C-3	18
5139962	5365-00-513-9962	19205	C-3	15
5139964	5310-00-513-9964	19204	C-9	4
5139973	5306-00-513-9973	19204	C-9	2
5139982	5355-00-513-9982	19204	C-5	3
			C-15	3
5139988	5305-00-513-9988	19205	C-4	16
5139989	5305-00-513-9989	19204	C-4	12
			C-14	14
5139994	1005-00-513-9994	19204	C-5	6
5139995	5340-00-513-9995	19204	C-5	9
			C-15	9
5139997	5360-00-513-9997	19205	C-3	19
5140004	5315-00-514-0004	19207	C-3	17
5140137	1005-00-514-0137	19200	C-15	6
5140204	3040-00-514-0204	19204	C-11	6
			C-12	4
			C-13	12
5140209	5360-00-514-0209	19205	C-11	7
			C-12	2
			C-13	11
			C-16	5
5140210	5315-00-514-0210	19205	C-11	5
			C-12	3
			C-13	13
5140211	5340-00-514-0211	19204	C-11	2
			C-12	5
			C-13	4
5140213	5305-00-514-0213	19204	C-11	4
			C-12	6
			C-13	3
5140215	5360-00-514-0215	19205	C-13	6
5140216	5340-00-514-0216	19204	C-13	7

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PART NUMBER	STOCK NUMBER	CAGEC	FIG.	ITEM
5140217	5315-00-514-0217	19204	C-13	8
5140219	5365-00-514-0219	19205	C-10	23
5140225		19204	C-16	6
5140237	5305-00-514-0237	19205	C-10	17
			C-37	6
			C-37	15
5140383	5305-00-514-0383	19200	C-14	18
5140485	5365-00-514-0485	19205	C-5	7
			C-15	7
5140612	5305-00-514-0612	19204	C-5	4
			C-15	4
5140669	9905-00-514-0669	19204	C-15	1
5141080	1005-00-514-1080	19205	C-7	2
			C-16	2
5141081		19204	C-7	3
			C-16	3
5141121		19204	C-7	6
5141460	4010-00-514-1460	19205	C-14	1
5141950	5305-00-514-1950	19204	C-3	10
			C-10	18
5142877	5360-00-514-2877	19205	C-7	5
5169879	5306-00-516-9879	19204	C-3	9
5169880	5306-00-516-9880	19204	C-3	1
5169881	5306-00-516-9881	19204	C-3	3
5169882	5306-00-516-9882	19204	C-3	4
5170484	5306-00-297-8753	19204	C-10	2
5170486	5306-00-517-0486	19205	C-10	4
5171491	4730-00-517-1491	19207	C-4	7
			C-14	9
5171492	5355-00-517-1492	19205	C-4	8
			C-14	10
5171495	5315-00-517-1495	19205	C-4	5
			C-14	7
5174113	5315-00-517-4113	19204	C-14	2
5174123	1005-00-517-4123	19200	C-14	6
5174175	1005-00-588-3490	19205	C-4	4
5174192	5310-00-517-4192	19205	C-4	2
			C-14	4
5189756	5360-00-518-9756	19200	C-14	19
5189757	1005-00-518-9757	19205	C-4	17
5194313	3040-00-519-4313	19200	C-14	16
5236999	4010-00-523-6999	19204	C-26	8
5328284	9390-00-532-8284	19204	C-28	5
5384053	1005-00-538-4053	19204	C-28	14
5384055	5315-00-538-4055	19204	C-28	6
5384056	5315-00-538-4056	19204	C-28	26
5384057	5315-00-538-4057	19204	C-28	8
5384059	5307-00-538-4059	19204	C-28	25
5384060	5340-00-538-4060	19204	C-28	13
5384062	5360-00-526-0143	19207	C-28	11
5384064	5310-00-538-4064	19204	C-28	28
5559331		19204	C-3	6

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PART NUMBER	STOCK NUMBER	CAGEC	FIG.	ITEM
5559332	1005-00-555-9332	19200	C-9	3
5559333	1005-00-555-9333	19205	C-3	20
5559337	1005-00-555-9337	19204	C-3	16
5559338	1005-00-555-9338	19204	C-3	2
5559419		19204	C-10	7
5559423	1005-00-555-9423	19204	C-10	12
5559424		19204	C-12	1
5559425		19200	C-13	5
5559428		19204	C-11	8
5574621	1005-00-557-4621	19200	C-9	1
			C-31	7
5591828	5305-01-167-5845	19204	C-15	2
5820087-5	4010-01-149-5518	53711	C-35	4
5830054	5360-01-150-1922	53711	C-32	2
5830063	1010-01-151-6239	53711	C-41	3
5830128	1010-01-151-6227	53711	C-31	7
5830131	1010-01-151-6229	53711	C-41	1
5830132		53711	C-44	1
5830133		53711	C-43	1
6108195	1005-00-610-8195	19204	C-3	8
6108201	3102-00-610-8201	19205	C-3	5
6108211	5355-00-610-8211	19204	C-5	5
			C-15	5
6108384		19204	C-12	8
6108395	5306-00-610-8395	19204	C-10	9
6108396	3110-00-610-8396	19204	C-10	16
6108397	3120-00-610-8397	19205	C-10	6
6108400		19204	C-10	11
6108402	5340-00-610-8402	19204	C-10	20
6108986	1005-00-610-8986	19204	C-3	12
6140648		19205	C-7	4
6153118		19205	C-16	4
6158375	5355-00-615-8375	19207	C-4	9
			C-14	11
6166497		19204	C-14	5
6193782	5310-00-619-3782	19204	C-10	13
6297411	5360-00-629-7411	19207	C-28	27
6297412	1005-00-629-7412	19204	C-28	23
6507136	1005-00-650-7136	19204	C-10	22
6507137	1005-00-650-7137	19204	C-10	1
6590078	8140-00-659-0078	19204	C-28	4
6650406	1005-01-386-2011	53711	C-32	8
6650407	5310-01-388-4108	53711	C-32	7
6650433-1	5315-01-385-9214	53711	C-33	17
6650433-2	5315-01-385-9216	53711	C-33	16
			C-36	3
6650434		53711	C-32	1
6650435		53711	C-34	4
6650436	1005-01-388-7006	53711	C-33	5
6650437	1005-01-388-5697	53711	C-33	5
6650438	1005-01-388-6911	53711	C-33	19

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PART NUMBER	STOCK NUMBER	CAGEC	FIG.	ITEM
6650439-1	3040-01-386-0204	53711	C-33	18
6650439-2	3040-01-386-5925	53711	C-33	21
6650441	5340-01-387-1944	53711	C-33	23
6650442	5340-01-388-4109	53711	C-33	3
6650443	1005-01-386-4688	53711	C-33	2
6650444	5304-01-386-8380	53711	C-33	22
6650445	1005-01-396-2006	53711	C-33	10
6650446	1005-01-388-5696	53711	C-32	6
6650448	2510-01-387-0586	53711	C-33	4
6650450	1005-01-383-2949	53711	C-31	3
			C-31	8
6650488	5340-01-447-3245	53711	C-37	1
6650489	5340-01-388-5595	53711	C-37	4
6650493	5340-01-386-8327	53711	C-37	8
6650494	5365-01-386-5924	53711	C-37	7
6650496	1290-01-386-2008	53711	C-37	2
6650498	5305-01-386-2768	53711	C-37	20
6650501	5306-01-388-0795	53711	C-37	3
6650561	3110-01-387-0590	53711	C-37	5
			C-37	16
6650651	1010-01-451-7557	53711	C-33	12
6650654	5307-01-386-2015	53711	C-33	13
6650671		53711	C-36	1
6650673	5315-01-387-4379	53711	C-33	11
6650695	5315-01-386-0206	53711	C-32	9
6650696	5305-01-386-0209	53711	C-33	14
6650697	5310-01-386-0202	53711	C-33	15
6650717	1005-01-383-2757	53711	C-31	1
6650722-1	1005-01-388-5702	53711	C-36	2
6650722-2	1005-01-388-5685	53711	C-36	2
6650723	1005-01-388-5679	53711	C-31	5
6650724	1398-01-387-3095	53711	C-31	2
6650725		53711	C-32	3
7012701	1005-01-169-1143	19204	C-19	15
7012702	1005-01-169-1756	19204	C-20	3
7012713		19204	C-20	4
7012720	5315-00-701-2720	19207	C-19	2
7012722	1005-01-184-6365	19204	C-19	4
7012723	1005-01-184-6363	19204	C-19	3
7012724	1005-01-184-6364	19204	C-19	7
7012725	1005-01-187-9615	19204	C-19	1
7012726	1005-01-169-1144	19204	C-19	10
7012727		19204	C-18	5
7012728	3120-00-934-8319	19204	C-20	21
7012730	1005-00-701-2730	19204	C-20	10
7012731	5340-00-701-2731	19204	C-20	13
7012732	5365-00-701-2732	19204	C-20	15
7012733	5360-00-701-2733	19207	C-20	14
7012740		19204	C-20	17

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PART NUMBER	STOCK NUMBER	CAGEC	FIG.	ITEM
7012747	1005-00-701-2747	19204	C-20	8
7012748	5360-00-701-2748	19204	C-21	18
7012749	5310-00-701-2749	19207	C-21	19
7012752	5360-00-701-2752	19207	C-21	15
7012753	1005-00-934-8320	19204	C-21	14
7012756	1005-00-701-2756	19204	C-21	4
7012757	1005-00-701-2757	19204	C-21	17
7012758	5340-00-701-2758	19204	C-21	9
7012759	1005-00-701-2759	19204	C-21	1
7012760	5340-00-701-2760	19204	C-21	22
7012761	5310-00-701-2761	19207	C-21	12
7012762	5120-00-701-2762	19204	C-20	19
7012765	2530-00-701-2765	19204	C-21	8
7012800	3040-00-701-2800	19204	C-21	3
7012801	1005-00-701-2801	19204	C-20	20
7012804	5315-00-701-2804	19204	C-20	12
7012805-1	5330-01-154-0238	19204	C-19	9
7012805-2	5330-01-154-0239	19204	C-19	13
7012806	5330-00-167-0638	19204	C-19	14
7012810	1005-00-701-2710	19204	C-17	1
7042930		19204	C-28	15
7042932	5315-00-704-2932	19205	C-28	19
7046650	1005-00-704-6650	19204	C-27	1
7046652	1005-00-704-6652	19204	C-28	7
7046653	1005-00-704-6653	19204	C-28	1
7070291	5315-00-707-0291	19207	C-28	22
7070292	5315-00-707-0292	19207	C-28	18
7070704		19204	C-20	1
7070734	5310-00-707-0734	19207	C-21	7
7070851	19204	C-19	8	
7149678	1005-00-714-9678	19204	C-10	24
7790723	1005-00-710-5599	19205	C-1	1
7790948		19204	C-2	1
7791119	1005-00-603-4834	19205	C-2	2
7792977	5315-00-772-0186	19205	C-26	19
7792978	5360-00-772-0187	19205	C-26	17
7792982	5340-00-772-0190	19204	C-26	16
7792986	1005-00-772-0192	19205	C-48	5
7792987	5360-00-772-0193	19205	C-48	4
7792991	1005-00-772-0194	19205	C-48	1
7792993	5315-00-809-5417	19205	C-4	20
7793002	1005-00-722-3850	19205	C-4	14
7793003	5360-00-473-5447	19205	C-4	15
7793004		19204	C-5	2
8403398	1005-00-322-9716	19204	C-8	1
8408768	1005-00-840-8768	19204	C-5	8
			C-15	8
8412295	5360-00-305-0725	19205	C-14	17
8433770-1	5340-01-043-7938	19204	C-30	13
8448211		19200	C-10	5
8668937	5340-00-389-8118	19207	C-20	18
9363644	5310-01-142-8417	19200	C-33	6

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NSN	FIGURE	ITEM	NSN	FIGURE	ITEM
5310-00-003-4094	C-39	8	5305-00-513-9989	C-4	12
5315-00-019-0777	C-26	13		C-14	14
5310-00-045-3296	C-19	6	1005-00-513-9994	C-5	6
5305-00-050-4212	C-30	1	5340-00-513-9995	C-5	9
5310-00-050-9372	C-32	10		C-15	9
5315-00-051-8636	C-4	18	5360-00-513-9997	C-3	19
	C-14	20	5315-00-514-0004	C-3	17
5305-00-052-9329	C-44	4	1005-00-514-0137	C-15	6
	C-47	3	3040-00-514-0204	C-11	6
5305-00-054-6869	C-3	13		C-12	4
	C-10	8		C-13	12
5320-00-057-5543	C-21	20	5360-00-514-0209	C-11	7
5310-00-057-7080	C-18	9		C-12	2
5310-00-067-9507	C-39	7		C-13	11
5305-00-068-0511	C-28	21		C-16	5
1005-00-072-6112	C-18	11	5315-00-514-0210	C-11	5
5310-00-087-4652	C-21	11		C-12	3
1005-00-121-0778	C-26	2		C-13	13
1005-00-121-0779	C-26	18	5340-00-514-0211	C-11	2
4010-00-129-3221	C-20	7		C-12	5
5310-00-149-9130	C-42	2		C-13	4
			5305-00-514-0213	C-11	4
5310-00-151-5572	C-33	8		C-12	6
5310-00-160-9869	C-32	4		C-13	3
5330-00-167-0638	C-19	14	5360-00-514-0215	C-13	6
5305-00-172-4180	C-33	1	5340-00-514-0216	C-13	7
5306-00-182-1801	C-10	3	5315-00-514-0217	C-13	8
5310-00-208-9255	C-34	1	5365-00-514-0219	C-10	23
5306-00-225-8499	C-43	3	5305-00-514-0237	C-10	17
5305-00-226-7768	C-39	5		C-37	6
1005-00-252-3011	C-23	8		C-37	15
5305-00-269-3233	C-28	3	5305-00-514-0383	C-14	18
5305-00-269-3246	C-42	3	5365-00-514-0485	C-5	7
4030-00-270-5436	C-20	6		C-15	7
5306-00-297-8753	C-10	2	5305-00-514-0612	C-5	4
5360-00-305-0725	C-14	17		C-15	4
1005-00-322-9716	C-8	1	9905-00-514-0669	C-15	1
5340-00-389-8118	C-20	18	1005-00-514-1080	C-7	2
5310-00-407-9566	C-28	16		C-16	2
	C-43	2	4010-00-514-1460	C-14	1
1005-00-410-8318	C-30	11			
5305-00-433-3740	C-34	2	5305-00-514-1950	C-3	10
5360-00-473-5447	C-4	15		C-10	18
5340-00-513-9959	C-3	18	5360-00-514-2877	C-7	5
5365-00-513-9962	C-3	15	5306-00-516-9879	C-3	9
5310-00-513-9964	C-9	4	5306-00-516-9880	C-3	1
5306-00-513-9973	C-9	2	5306-00-516-9881	C-3	3
5355-00-513-9982	C-5	3	5306-00-516-9882	C-3	4
5305-00-513-9988	C-4	16	5306-00-517-0486	C-10	4
			4730-00-517-1491	C-4	7
				C-14	9
			5355-00-517-1492	C-4	8
				C-14	10

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NSN	FIGURE	ITEM	NSN	FIGURE	ITEM
5315-00-517-1495	C-4	5	5360-00-629-7411	C-28	27
	C-14	7	1005-00-629-7412	C-28	23
5315-00-517-4113	C-14	2	5306-00-637-9675	C-33	20
			5305-00-646-7389	C-33	9
1005-00-517-4123	C-14	6	1005-00-650-7136	C-10	22
5310-00-517-4192	C-4	2	1005-00-650-7137	C-10	1
	C-14	4	8140-00-659-0078	C-28	4
5360-00-518-9756	C-14	19	5315-00-690-0544	C-24	12
1005-00-518-9757	C-4	17	1005-00-701-2710	C-17	1
3040-00-519-4313	C-14	16	5315-00-701-2720	C-19	2
4010-00-523-6999	C-26	8	1005-00-701-2730	C-20	10
5360-00-526-0143	C-28	11	5340-00-701-2731	C-20	13
9390-00-532-8284	C-28	5	5365-00-701-2732	C-20	15
1005-00-538-4053	C-28	14	5360-00-701-2733	C-20	14
5315-00-538-4055	C-28	6	1005-00-701-2747	C-20	8
5315-00-538-4056	C-28	26	5360-00-701-2748	C-21	18
5315-00-538-4057	C-28	8	5310-00-701-2749	C-21	19
5307-00-538-4059	C-28	25	5360-00-701-2752	C-21	15
5340-00-538-4060	C-28	13	1005-00-701-2756	C-21	4
5310-00-538-4064	C-28	28	1005-00-701-2757	C-21	17
5310-00-543-4385	C-28	24	5340-00-701-2758	C-21	9
5310-00-543-5858	C-10	15	1005-00-701-2759	C-21	1
	C-10	21	5340-00-701-2760	C-21	22
1005-00-555-9332	C-9	3	5310-00-701-2761	C-21	12
1005-00-555-9333	C-3	20	5120-00-701-2762	C-20	19
1005-00-555-9337	C-3	16	2530-00-701-2765	C-21	8
1005-00-555-9338	C-3	2	3040-00-701-2800	C-21	3
1005-00-555-9423	C-10	12	1005-00-701-2801	C-20	20
1005-00-557-4621	C-9	1	5315-00-701-2804	C-20	12
5310-00-559-0070	C-19	11	5315-00-704-2932	C-28	19
5310-00-576-5752	C-19	16	1005-00-704-6650	C-27	1
1005-00-588-3490	C-4	4	1005-00-704-6652	C-28	7
	C-4	2	1005-00-704-6653	C-28	1
	C-14	4	5315-00-707-0291	C-28	22
	C-14	10	5315-00-707-0292	C-28	18
5310-00-595-7237	C-28	2	5310-00-707-0734	C-21	7
1005-00-603-4834	C-2	2	5305-00-709-8516	C-18	1
5315-00-610-5729	C-18	4	1005-00-710-5599	C-1	1
1005-00-610-8195	C-3	8	1005-00-714-9678	C-10	24
3102-00-610-8201	C-3	5	5305-00-719-3997	C-33	7
5355-00-610-8211	C-5	5	5305-00-719-5238	C-30	3
	C-15	5	1005-00-722-3850	C-4	14
5306-00-610-8395	C-10	9	5305-00-723-9383	C-21	13
3110-00-610-8396	C-10	16	5305-00-723-9386	C-18	8
3120-00-610-8397	C-10	6	5310-00-732-0559	C-3	7
5340-00-610-8402	C-10	20	5305-00-762-6041	C-30	8
1005-00-610-8986	C-3	12	5310-00-768-0319	C-3	14
5355-00-615-8375	C-4	9	5315-00-772-0186	C-26	19
	C-14	11	5360-00-772-0187	C-26	17
5315-00-616-5517	C-4	11	5340-00-772-0190	C-26	16
5310-00-619-3782	C-10	13	1005-00-772-0192	C-48	5
			5360-00-772-0193	C-48	4

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1005-00-772-0194	C-48	1	5310-00-916-2172	C-11	3
1005-00-779-2479	C-26	1		C-12	7
1005-00-783-5494	C-29	1		C-13	2
5325-00-803-7315	C-4	19	5315-00-916-2173	C-14	13
	C-48	2	5305-00-916-2345	C-30	10
5310-00-809-4058	C-28	10	1005-00-918-3007	C-30	12
5310-00-809-4061	C-21	10	1005-00-918-3008	C-30	5
5310-00-809-4085	C-18	10	1005-00-919-7273	C-5	1
5315-00-809-5417	C-4	20	5305-00-921-0042	C-23	6
5310-00-809-5998	C-26	14	9505-00-921-0588	C-18	7
	C-30	2	3120-00-934-8319	C-20	21
5310-00-809-8553	C-30	6	1005-00-934-8320	C-21	14
5315-00-811-9105	C-28	9	5310-00-935-3750	C-4	10
5315-00-812-0762	C-11	10		C-14	12
	C-12	10	5305-00-939-1179	C-26	5
	C-13	9	1005-00-940-8077	C-11	1
5315-00-812-1008	C-10	14		C-13	1
5310-00-814-0673	C39	14	1005-00-941-9338	C-18	6
5315-00-816-1794	C-20	16	1005-00-945-9756	C-2	4
5315-00-826-3251	C-37	17			
5310-00-832-9719	C-30	9	5340-00-945-9768	C-45	1
5315-00-839-2325	C-18	2	5360-00-945-9954	C-45	2
	C-28	12	5315-00-947-7250	C-45	4
1005-00-840-8768	C-5	8	5310-00-949-1971	C-4	13
	C-15	8		C-14	15
2590-00-841-9341	C-18	3	5310-00-950-0039	C-42	1
5310-00-842-1490	C-26	12	5305-00-954-3487	C-24	9
5315-00-842-3044	C-20	9	5305-00-983-5334	C-21	21
	C-21	6	5305-00-983-6625	C-20	5
5310-00-851-2682	C-26	11		C-20	11
1005-00-854-4463	C-25	1	5305-00-983-8084	C-21	2
5306-00-854-4464	C-26	6	5310-00-984-3806	C-20	2
5315-00-854-4465	C-26	9	5305-00-984-5695	C-26	10
5310-00-877-5795	C-30	4	5305-00-984-6194	C-19	12
5310-00-880-7746	C-28	17	5305-00-984-6215	C-19	5
5315-00-889-2518	C-21	16	5315-00-989-1157	C-24	1
5315-00-902-0419	C-10	10	5305-00-989-7434	C-19	17
5315-00-903-3971	C-9	5	5305-00-993-7198	C-23	2
5305-00-904-4053	C-26	3	5315-00-999-4241	C-21	5
5360-00-915-5615	C-4	6	5365-01-009-6843	C-23	4
	C-14	8	1005-01-016-6790	C-30	7
5360-00-915-5616	C-5	10	5340-01-.043-7938	C-30	13
	C-15	10	4010-01-447-5812	C-42	6
5315-00-915-8174	C-5	11	5305-01-075-6083	C-37	11
	C-15	11	5310-01-142-8417	C-33	6
5320-00-915-8185	C-7	1	4010-01-149-5518	C-35	4
	C-16	1	5360-01-150-1922	C-32	2
5310-00-916-2170	C-11	9	1010-01-151-6227	C-31	7
	C-12	9	1010-01-151-6229	C-41	1
	C-13	10	4010-01-151-6230	C-44	3
5310-00-916-2171	C-3	11	4010-01-151-6230	C-46	3
	C-10	19	1010-01-151-6239	C-41	3

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5330-01-154-0239	C-19	13	5340-01-386-8327	C-37	8
5305-01-167-5845	C-15	2	5304-01-386-8380	C-33	22
1005-01-169-1143	C-19	15	2510-01-387-0586	C-33	4
1005-01-169-1144	C-19	10	3110-01-387-0590	C-37	5
1005-01-169-1756	C-20	3		C-37	16
1005-01-184-6363	C-19	3	5340-01-387-1944	C-33	23
1005-01-184-6364	C-19	7	1398-01-387-3095	C-31	2
1005-01-184-6365	C-19	4	5315-01-387-4379	C-33	11
1005-01-187-9615	C-19	1	5355-01-387-4540	C-35	2
5365-01-197-4458	C-24	11	5306-01-388-0795	C-37	3
5310-01-206-3478	C-32	5	5310-01-388-4108	C-32	7
1005-01-252-2820	C-23	1	5340-01-388-4109	C-33	3
1005-01-252-2821	C-24	4	5340-01-388-5595	C-37	4
1005-01-252-2822	C-24	5	1005-01-388-5679	C-31	5
1005-01-252-2823	C-24	13	1005-01-388-5685	C-36	2
5315-01-252-2981	C-23	9	1005-01-388-5696	C-32	6
4710-01-252-3026	C-24	8	1005-01-388-5697	C-33	5
3040-01-253-6871	C-24	6	1005-01-388-5702	C-36	2
1005-01-254-0332	C-22	1	1005-01-388-6911	C-33	19
5360-01-255-4199	C-24	3	1005-01-388-7006	C-33	5
1005-01-257-9252	C-25	7	1005-01-396-2006	C-33	10
5315-01-292-6411	C-44	2	1005-01-408-5915	C-23	12
5315-01-293-2142	C-24	10	5315-01-408-6009	C-23	11
5340-01-282-3650	C-34	3	1005-01-411-6340	C-2	3
5365-01-306-4235	C-42	4		C-22	1
5340-01-340-8471	C-31	4	1005-01-411-6341	C-38	1
5315-01-342-0671	C-35	3	1005-01-413-4098	C40	1
1005-01-352-5345	C-23	10	1005-01-429-0427	C-23	8
5315-01-368-7364	C-42	5	1005-01-431-8324	C-47	5
5310-01-374-0508	C-4	1	1005-01-432-4652	C-39	9
	C-14	3	4010-01-432-5838	C-39	3
1005-01-383-2757	C-31	1	4710-01-432-8193	C-39	11
1005-01-383-2949	C-31	3	5325-01-433-0817	C-39	1
	C-31	8	4710-01-433-1256	C-39	10
5315-01-385-9214	C-33	17	5315-01-433-1740	C-39	12
5306-01-385-9215	C-33	16	5315-01-433-1817	C-39	4
5315-01-385-9216	C-33	16	1005-01-433-1617	C-1	1
	C-36	3	5305-01-433-5835	C-39	17
5310-01-386-0202	C-33	15	4730-01-433-8116	C-39	16
3040-01-386-0204	C-33	18	3040-01-434-0789	C-39	18
5315-01-386-0206	C-32	9	5365-01-434-0883	C-48	6
5305-01-386-0209	C-33	14	5315-01-434-3288	C-48	3
1290-01-386-2008	C-37	2	1005-01-442-0415	C-39	2
1005-01-386-2011	C-32	8	1010-01-445-6143	C-31	6
5307-01-386-2015	C-33	13	5340-01-447-2276	C-37	13
5305-01-386-2768	C-37	20	5340-01-447-3245	C-37	1
5315-01-386-2770	C-37	14	5340-01-447-8969	C-37	17
5315-00-826-3251	C-37	21	1010-01-451-7557	C-33	12
3040-01-386-4685	C-33	14	5315-01-461-2651	C-46	2
1005-01-386-4688	C-33	2	1005-01-461-2654	C-41	4
3040-01-386-4690	C-33	15		C-46	1
5365-01-386-5924	C-37	7	1005-01-468-0552	C-47	1
			1005-01-480-9118	C-41	2

APPENDIX D

BASIC ISSUE ITEMS (BII) LIST

Section I. INTRODUCTION

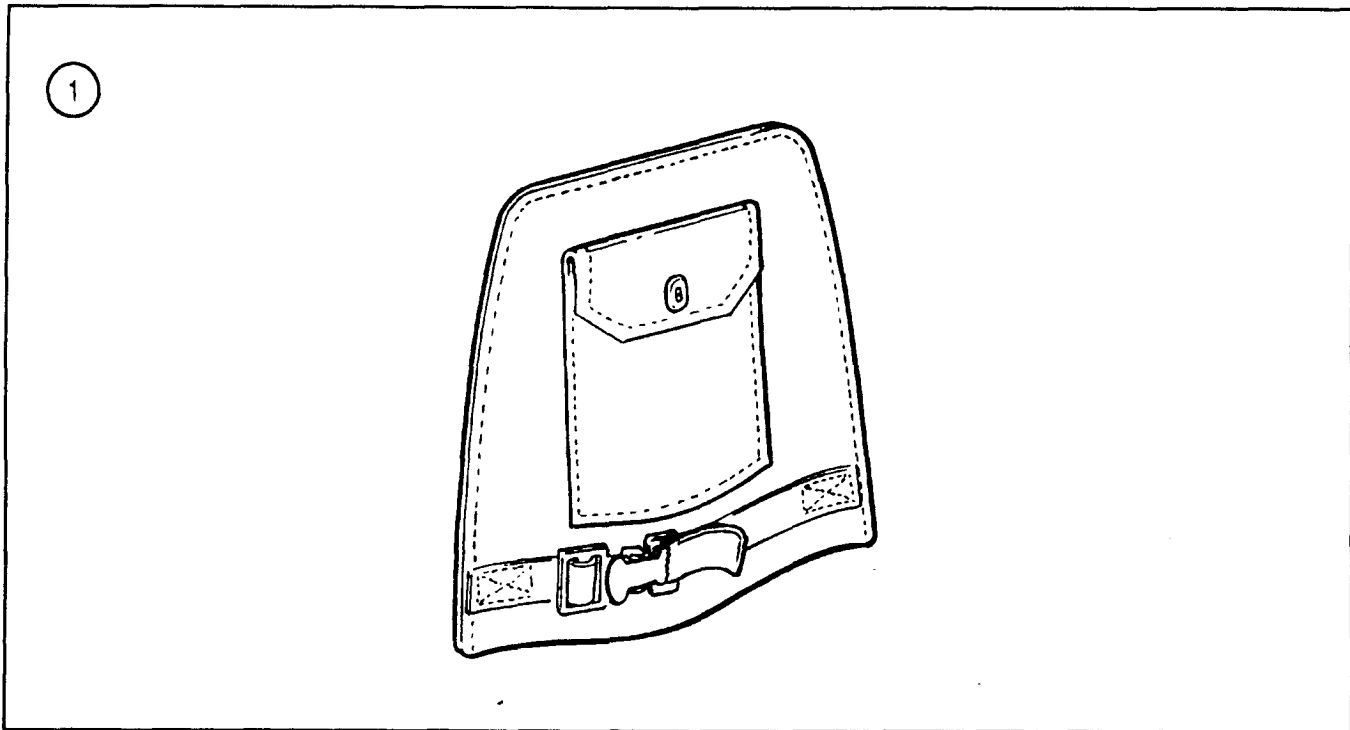
SCOPE. This appendix lists basic issue items for the gun mounts to help you inventory the items for safe and efficient operation of the equipment.

GENERAL. These essential items are required to place the gun mounts in operation, to operate them, and to do emergency repairs. Although shipped separately packaged, BII must be with the gun mounts during operation and when they are transferred between property accounts. Listing these items is your authority to request/requisition them for replacement based on authorization of the end item by the TOE/MTOE. Illustrations are furnished to help you find and identify the items.

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

- a. **Column (1) - Illus Number.** Gives you the number of the item illustrated.
- b. **Column (2) - National Stock Number.** Identifies the stock number of the item to be used for requisitioning purposes.
- c. **Column (3) - Description and Usable On Code.** Identifies the Federal item name (in all capital letters) followed by a minimum description when needed. The last line below the description is the CAGEC (Contractor and Government Entity Code) (in parentheses) and the part number.
- d. **Column (4) - U/I (Unit of Issue).** Indicates how the item is issued for the National Stock Number shown in column (2).
- e. **Column (5) - Qty Rqd.** Indicates the quantity required.

Section II. BASIC ISSUE ITEMS LIST



(1) Illus Number	(2) National Stock Number	(3) Description CAGEC and Part Number	Usable On Code	(4) U/I	(5) Qty Rqd
1	1005-00-928-6189	COVER, TRIPOD MOUNT, M1 (19204) 11686597	AN0	EA	1

APPENDIX E
EXPENDABLE AND DURABLE ITEMS LIST

Section I. INTRODUCTION

E-1. SCOPE

This appendix lists expendable and durable items you will need to maintain the gun mounts. This listing is for informational purposes only and is not authority to requisition the listed item. These items are authorized to you by CTA 50-970, Expendable Items (except Medical, Class V, Repair Parts, and Heraldic Items).

E-2. EXPLANATION OF COLUMNS

a. Column (1) - Item number. This number is assigned to the entry in the listing for referencing when required.

b. Column (2) - Level. This column identifies the lowest level of maintenance that requires the listed item.

- COperator/Crew
- OUnit
- FDirect Support

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)/Unit of Issue (U/I). This measure is expressed by a two-character alphabetical abbreviation (e.g., EA, IN., PR). If the unit of measure differs from the unit of issue as shown in the Army Mater Data File (AMDF), requisition the lowest unit of issue that will satisfy your requirements.

Section II. EXPENDABLE AND DURABLE ITEMS LIST

(1) ITEM NUMBER	(2) LEVEL	(3) NATIONAL STOCK NUMBER	(4) DESCRIPTION	(5) (U/M)/ (U/I)
1	C	9150-01-054-6453	CLEANER, LUBRICANT AND PRESERVATIVE (CLP) (81349) MIL-L-63460 1 pt bottle 1 gal bottle	PT GL

Section II. EXPENDABLE AND DURABLE ITEMS LIST (cont)

(1) ITEM NUMBER	(2) LEVEL	(3) NATIONAL STOCK NUMBER	(4) DESCRIPTION	(5) (U/M)/ (U/L)
2	C	5350-00-221-0872	CLOTH, ABRASIVE: crocus, ferric oxide and quartz, jean-cloth-backing, closed coating, 9 X 11 in. sheet (81348) P-C-458	SH
3	C	8010-00-297-2124	EMAMEL, OLIVE DRAB (81349) MIL-STD-171	GL
4	C	9150-00-190-0905	GREASE, AUTOMOTIVE AND ARTILLERY: (GAA), 5 lb can (81349) MIL-G-10924	LB
5	C	9150-00-292-9689	LUBRICATING OIL (LAW) 1 qt can (81349) MIL-L-14107	QT
6	C	9150-00-687-4241 9150-00-753-4686	LUBRICATING OIL (LSA) 1 qt can 1 gal can (81349) MIL-L-46000	QT GL
7	C	9150-00-231-6689	LUBRICATING OIL, GENERAL PURPOSE (PL-S), 1 qt can (81348) W-L-800	QT
8	C	7920-00-205-1711	RAG, WIPING 50 lb bale (58536) A-A-2522	EA
9	O	8030-01-192-2492	SEALING COMPOUND, PLASTIC, POLYURETHANE areosol can (54577) MS1212-01	EA
10	C	6850-00-281-1985	SOLVENT, DRY CLEANING 1 gal can (58536) A-A-711	GL
11	F	9505-00-293-4208	WIRE, NONELECTRICAL (96906) MS20995C32	LB

APPENDIX F ADDITIONAL AUTHORIZATION LIST(AAL)

Section I. INTRODUCTION

F-1. SCOPE

This appendix lists additional items you are authorized for the support of the M197 Machine Gun Mount.

F-2. GENERAL

This list identifies items that do not have to accompany the M197 Machine Gun Mount and that do not have to be turned in with it. These items are authorized to you by CTA, MTOE, TDA, or JTA.

F-3. EXPLANATION OF COLUMNS IN THE AAL

a. Column (1) – National Stock Number. Identifies the stock number of the item to be used for requisitioning purposes.

b. Column (2) – Description, Commercial and Government Entity Code (CAGEC), and Part Number. Identifies the Federal item name (in all capital letters) followed by a minimum description when needed. The last line below the description is the CAGEC (in parentheses) and the part number.

c. Column (3) – Usable on Code. When applicable, gives you a code if the item you need is not the same for different models of equipment. These codes are identified below:

<u>Code</u>	<u>Used On</u>
AM5	M122 Machine Gun Tripod Mount
BB8	M197 Machine Gun Mount

d. Column (4) – Unit of Measure (U/M). Indicates the physical measurement or count of the item as issued per the National Stock Number shown in column (1).

e. Column (5) – Qty Recm. Indicates the quantity recommended.

Section II. ADDITIONAL AUTHORIZATION LIST

Table 1. Additional Authorization List.

(1) NATIONAL STOCK NUMBER	(2) DESCRIPTION, CAGEC, AND PART NUMBER	(3) USABLE ON CODE	(4) U/M	(5) QTY RECM
1005-01-468-0552	DEFLECTOR KIT (19200) 12986106 (SEE FIGURE C-47)	BB8	EA	1
1005-01-431-8324	BRACKET, AMMO	BB8	EA	1
5310-00-889-2589	NUT, SELF-LOCKING (96906) MS21044-C4	BB8	EA	2
5305-00-052-9329	PLATE, DEFLECTOR (19200) 12986105 SCREW, CAP, SOCKET HEAD (96906) MS16996-21 GUN MOUNT ADAPTER PARTS NPN (SEE FIGURE C-48)	BB8	EA	1
1005-00-772-0194	ADAPTER ASSEMBLY, TRAVEL (19205) 7792991	BB8	EA	1
5315-01-434-3288	PIN, GROOVED, HEADLESS (19200) 12956267	BB8	EA	1
1005-00-772-0192	PLUNGER, STUD (19205) 7792986	BB8	EA	1
5325-00-803-7315	RING, RETAINING (96906) MS16624-1043	BB8	EA	2
5365-01-434-0883	SPACER, SLEEVE (19200) 12956268	BB8	EA	1
5360-00-772-0193	SPRING, HELICAL, COMPRESSION (19205) 7792987	BB8	EA	1
1005-00-945-9756	MOUNT PINTLE (19205) 11010408 (SEE FIGURE C-6)	BB8	EA	1

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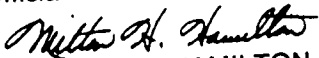
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By Order of the Secretary of the Army:

GORDON R. SULLIVAN
General, United States Army
Chief of Staff

Official:


MILTON H. HAMILTON
Administrative Assistant to the
Secretary of the Army

07928

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PART II – REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

PUBLICATION NUMBER TM 9-1005-245-13&P	DATE 15 December 1994	TITLE Operator's, Unit, and Direct Support Maintenance Manual with Repair Parts and Special Tools (RPSTL) for Machine Gun Mounts
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PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION

PART III – REMARKS *(Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)*

TYPED NAME, GRADE OR TITLE Your Name	TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION	SIGNATURE Your Signature
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RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS For use of this form, see AR 25-30; the proponent agency is ODISC4.						Use Part II (<i>reverse</i>) for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM).	DATE
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THE METRIC SYSTEM AND EQUIVALENTS

LINEAR MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meter = 0.3937 Inch
 1 Decimeter = 10 Centimeters = 3.94 Inches
 1 Meter = 10 Decimeters = 100 Centimeters
 = 1000 Millimeters = 39.37 Inches
 1 Dekameter = 10 Meters = 32.8 Feet
 1 Hectometer = Dekameters = 328.08 Feet
 1 Kilometer = 10 Hectometers = 1000 Meters
 = 0.621 Mile = 3,280.8 Feet
 Millimeters = Inches times 25.4
 Inches = Millimeters divided by 25.4

WEIGHTS

1 Centigram = 10 Milligrams = 0.154 Grain
 1 Decigram = 10 Centigrams = 1.543 Grains
 1 Gram = 0.001 Kilogram = 10 Decigrams
 = 1000 Milligrams = 0.035 Ounce
 1 Dekagram = 10 Grams = 0.353 Ounce
 1 Hectogram = 10 Dekagrams = 3.527 Ounces
 1 Kilogram = 10 Hectograms = 1000 Grams = 2.205 Pounds
 1 Quintal = 100 Kilograms = 220.46 Pounds
 1 Metric Ton = 10 Quintals = 1000 Kilograms = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liter = 0.034 Fluid Ounce
 1 Centiliter = 10 Milliliters = 0.34 Fluid Ounce
 1 Deciliter = 10 Centiliters = 3.38 Fluid Ounces
 1 Liter = 10 Deciliters = 1000 Milliliters = 33.82 Fluid Ounces
 1 Dekaliter = 10 Liters = 2.64 Gallons
 1 Hectoliter = 10 Dekaliters = 26.42 Gallons
 1 Kiloliter = 10 Hectoliters = 264.18 Gallons

SQUARE MEASURE

1 Sq Centimeter = 100 Sq Millimeters = 0.155 Sq Inch
 1 Sq Decimeter = 100 Sq Centimeters = 15.5 Sq Inches
 1 Sq Meter (Centare) = 10 Sq Decimeters
 = 10,000 Sq Centimeters = 10.764 Sq Feet
 1 Sq Dekameter (Are) = 100 Sq Meters = 1,076.4 Sq Feet
 1 Sq Hectometer (Hectare) = 100 Sq Dekameters
 = 2.471 Acres
 1 Sq Kilometer = 100 Sq Hectometers = 1,000,000 Sq Meters
 = 0.386 Sq Mile

CUBIC MEASURE

1 Cu Centimeter = 1000 Cu Millimeters = 0.061 Cu Inches
 1 Cu Decimeter = 1000 Cu Centimeters = 61.02 Cu Inches
 1 Cu Meter = 1000 Cu Decimeters = 1,000,000 Cu Centimeters
 = 35.31 Cu Feet

TEMPERATURE

$5/9 (^{\circ}\text{F} - 32^{\circ}) = ^{\circ}\text{C}$
 $9/5 (^{\circ}\text{C} + 32^{\circ}) = ^{\circ}\text{F}$
 -35° Fahrenheit is equivalent to -37° Celsius
 0° Fahrenheit is equivalent to -37° Celsius
 32° Fahrenheit is equivalent to 0° Celsius
 90° Fahrenheit is equivalent to 32.2° Celsius
 100° Fahrenheit is equivalent to 38° Celsius
 212° Fahrenheit is equivalent to 100° Celsius

APPROXIMATE CONVERSION FACTORS

<u>TO CHANGE</u>	<u>TO</u>	<u>MULTIPLY BY</u>	<u>TO CHANGE</u>	<u>TO</u>	<u>MULTIPLY BY</u>
Inches	Centimeters	2.540	Centimeters	Inches	0.394
Feet	Meters	0.305	Meters	Feet	3.280
Yards	Meters	0.914	Meters	Yards	1.094
Miles	Kilometers	1.609	Kilometers	Miles	0.621
Square Inches	Square Centimeters	6.451	Square Centimeters	Square Inches	0.155
Square Feet	Square Meters	0.093	Square Meters	Square Feet	10.764
Square Yards	Square Meters	0.836	Square Meters	Square Yards	1.196
Square Miles	Square Kilometers	2.590	Square Kilometers	Square Miles	0.386
Acres	Square Hectometers	0.405	Square Hectometers	Acres	2.471
Cubic Feet	Cubic Meters	0.028	Cubic Meters	Cubic Feet	35.315
Cubic Yards	Cubic Meters	0.765	Cubic Meters	Cubic Yards	1.308
Fluid Ounces	Milliliters	29.573	Milliliters	Fluid Ounces	0.034
Pints	Liters	0.473	Liters	Pints	2.113
Quarts	Liters	0.946	Liters	Quarts	1.057
Gallons	Liters	3.785	Liters	Gallons	0.264
Ounces	Grams	28.349	Grams	Ounces	0.035
Pounds	Kilograms	0.454	Kilograms	Pounds	2.205
Short Tons	Metric Tons	0.907	Metric Tons	Short Tons	1.102
Pound-Feet	Newton-Meters	1.356	Newton-Meters	Pound-Feet	0.738
Pound-Inches	Newton-Meters	0.11375	Kilopascals	Pounds per Square Inch	0.145
Pounds per Square Inch	Kilopascals	6.895	Kilometers per Liter	Miles per Gallon	2.354
Ounce-Inches	Newton-Meters	0.007062	Kilometers per Hour	Miles per Hour	0.621
Miles per Gallon	Kilometers per Liter	0.425	°Fahrenheit	°Celsius	$^{\circ}\text{C} = (^{\circ}\text{F} - 32) \times 5/9$
Miles per Hour	Kilometers per Hour	1.609	°Celsius	°Fahrenheit	$^{\circ}\text{F} = (9/5 \times ^{\circ}\text{C}) + 32$

