

URGENT

MWO effective date is 1 OCTOBER 1993 and completion date is 1 NOVEMBER 1994

MWO 11-5985-368-34-1

MODIFICATION WORK ORDER

**INSTALLATION OF GUY WIRE ACCESSORY KIT STORAGE BOX
AND POSITIONER HOISTING RINGS**

**OA-9054(V)4/G HYDRAULIC MAST GROUP
(NSN 5965-01-129-1794) (EIC: N/A)**

**Headquarters, Department of the Army, Washington, D. C.
1 May 1994**

REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this MWO. If you find technical errors that could cause personal injury or damage to material, please let us know. Contact Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-LC-LM-EA and report needed corrections by telephoning DSN 996-5833 or Commercial (908) 544-5833. Additionally, complete a DA Form 2028 (Recommended Changes to Publications and Blank Forms) and mail direct to: Commander, US Army Communications Electronics Command and Fort Monmouth, ATTN: AMSEL-LC-LM-LT, Fort Monmouth, New Jersey 07703-5007. A reply will be sent to you.

Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE - Destroy by any method that will prevent disclosure of contents or reconstruction of the document.

1. PURPOSE OF MODIFICATION

The purpose of this modification is to:

- a. Remove an existing Ground Rod Storage Box from forward curbside platform of Antenna Mast Group (AMG) OA-9054(V)4/G Support Frame and replace it with an Antenna Guy Wire Accessory Kit Storage Box.
- b. Install Lifting Hoists on both Antenna Positioners.
- c. Eliminates safety hazards by providing an easily accessible secure storage facility for Antenna Guy Wire Kits, and provide Lifting Hoists for guy wire cable connections.

2. PRIORITY

This modification is classified as URGENT.

3. END ITEM(S) OR SYSTEM(S) TO BE MODIFIED

Nomenclature	NSN	Part Number	CAGEC	Serial Number
Antenna Mast Group	5965-01-129-1794	OA-9054(V)4/G	80058	N/A

4. MODULES TO BE MODIFIED

The following items, whether installed or in stock, will be modified.

Nomenclature	NSN	Part Number	CAGEC	Serial Number
Support Frame	N/A	5035660-1	57958	N/A
Antenna/Amplifier Support	N/A	5035761-1	57958	N/A

5. PARTS TO BE MODIFIED

The following items, whether installed or in depot stock, will be modified. Items in stock shall be modified before issuing and so marked that it can be easily determined if modification has been accomplished.

Nomenclature	NSN	Part Number	CAGEC	Serial Number
Ground Rod Box Support	N/A	5035724-1	57958	N/A
Antenna Positioner	N/A	5035761-1	57958	N/A

6. APPLICATION

- a. *Time compliance schedule.* MWO effective date 1 October 1993 and completion date 1 November 1994.
- b. *Level of maintenance.* General support level maintenance is authorized to perform this modification.
- c. *Applied by.* The modification may be performed by any qualified person authorized at the general support level and above.

d. *Time required.*

- (1) Total of 2 man hours using 2 men.
- (2) Total of 1 hour downtime for one end item.

e. *Additional MWOs.* Not applicable.f. *Additional information.* Not applicable.**7. TECHNICAL PUBLICATIONS AFFECTED/CHANGED**

Publication No.	Date	Change No.
TM 11-5985-368-34	1 September 1988	Change 5
TM 11-5985-368-34P	1 October 1987	none

8. MWO KIT(S)/PART(S) AND THEIR DISPOSITIONa. *General.*

- (1) The following is a list of parts required to accomplish this MWO.

Qty	CAGEC	Part Number	Specification	Nomenclature/Description
1	80063	A3209550		Storage box, guy wire accessory kit
5	80063	SC-D-65849	GP-113/G	Stake, guy
1	81348	GGG-H-86	GGG-H-86	Hammer, hand, Type X CL1 10 lb
3	80063	A3209553		Bag, accessory
4	57958	5035788-4		Ring, hoisting, 2.5K lb load
2	57958	C5078291-1		Nut plate, boss
2	57958	C5078292-1		Washer, guy wire
6	96906	MS90728-39	FR-S-85	Screw, cap, hexhead 5/16-18 x 1.75 steel
6	96906	MS90728-42	FF-S-85	Screw, cap, hexhead 5/16-18 x 2.50 steel
2	96906	MS35338-140	FF-W-84	Washer, lock
22	96906	MS15795-812	FF-w-92	Washer, flat 0.344 ID
10	96906	MS16228-5C	MIL-N-25027	Nut, self-locking
1	80063	A3209551		Roll, Anchor Screw
1	80063	A32009552		Roll, Ground Rod
1	80063	A32009554		Template, Hole
1	80063	A32009555-1		Bracket, Left support
1	80063	A32009555-2		Bracket, Right support

(2) The following is an additional list of kit parts, used by operator and unit personnel, to install the guy wires. Individual rolls and accessory bags contain a label listing their specific contents.

Qty	CAGEC	Part Number	Specification	Nomenclature/Description
9	80063	A3002077, Grp III		Guy Assembly
4	80063	SM-C-561898		Guy Attachment
8	8044	AN116-4		Shackle
1	57958	C5078288-1		Rope Radius
1	80063	SM-B-423624		Bar, Digging
4	80063	A3002126		Screw, Anchor
4	80063	A3209558		Shackle, Paint
9	80063	A3002115		Tensioner, P/O Guy Assembly A3002077

b. *Disposition.* The Ground Rod Storage Box is returned to the supply system.

9. SPECIAL TOOLS; TOOL KITS; JIGS; TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT (TMDE); AND FIXTURES REQUIRED

No special tools are required for this modification. Refer to TM 11-5985-368-34 (para 2-22 b.) for required tools.

10. MODIFICATION PROCEDURE

SECTION I: MODIFICATION OF SUPPORT FRAME:

- a. Ground Rod Storage Box Removal (fig. 1).
 - (1) Find Ground Rod Storage Box Support (1) at forward curbside of vehicle.
 - (2) Open Ground Box (2), remove and store ground rods in Ground Rod Roll (3).
 - (3) Disconnect and remove empty Ground Rod Box (2) by removing six sets of bolts, twelve washers, and six locking nuts.

- b. Preparation of Ground Rod Box Support for Guy Wire Accessory Kit Storage Box (fig. 2).
 - (1) Locate and tape Template (1) on to Ground Rod Box Support (2), using the three existing holes closest to curb as guides.
 - (2) Drill three 0.500 diameter holes, using template for new hole locations.

- c. Installation of Left Ground Rod Box Support Bracket (fig. 3).
 - (1) Install Left Support Bracket (1) by first removing one bolt (2) from Brush Guard Hinge (3) and two bolts (4) from Ground Box Support (5).
 - (2) Secure top of Left Support Bracket (1) to Brush Guard Hinge (3) by installing one 5/16-18 x 1 3/4 Hex head cap screw (6), one flat washer (7), and one lock washer (8).
 - (3) Secure bottom of Left Support Bracket (1) to Ground Rod Support (5) by installing two 5/16-18 x 13/4 bolts (10), four washers (11), and two lock nuts (12).

- d. Installation of Right Ground Rod Box Support Bracket (1, fig. 4) is the same as the Left Ground Rod Box Support Bracket.

WARNING

This task requires a two-man lift.

e. Installation of Guy Wire Kit Accessory Storage Box (fig. 5.)

(1) Before installation, remove contents from Guy Wire Kit Accessory Storage Box (1).

(2) Install empty Guy Wire Kit Accessory Storage Box on to Ground Rod Box Support (2) by locating it over template holes. Secure using six 5/16-18 x 2 1/2 bolts (3), twelve flat washers (4) and six lock nuts (5).

f. Repacking of Guy Wire Kit Accessory Storage Box (fig. 6).

(1) Install hammer (1) to rear wall of storage box (2).

(2) Position the two 10" straps (3) under hammer (1).

(3) Position the left 22" strap (4) under hammer (1) and right 22" strap (5) over hammer (1).

(4) Position five stakes (6) in storage box (2) with pointed ends facing direction of painted arrows (7) and secure using short straps (8).

NOTE

Keep straps accessible by draping them over stakes at this time.

(5) Position Anchor Screw Roll (9) with contents, on top of stakes (6).

(6) Position Ground Rod Roll (10), with contents, on top and to rear of Anchor Screw Roll (9).

(7) Position two of three Guy Wire Accessory Bags (11) on top and to front of Anchor Screw Roll (9). Then secure left 22" strap (4) and right 22" strap (5).

(8) Position third Guy Wire Accessory Bag (11) on top center of the two already positioned bags and secure with middle strap (12).

(9) Close doors of Guy Wire Kit Accessory Storage Box (2) and secure with latches.

SECTION II: MODIFICATION OF ANTENNA POSITIONER/AMPLIFIER SUPPORT:

a. Installation of Roadside Lifting Hoists (fig. 7).

(1) Raise mast (1) to 10 degree position.

(2) Unbuckle amplifier canvas cover (2) and remove from mast (1).

(3) Remove one bolt (3) and one washer (4) from top of Lower Antenna Positioner (5).

(4) Install washer (6) and Hoisting Ring (7) in hole at top of Lower Antenna Positioner (5). Then tighten Hoisting Ring Socket Head Screw (8) 26 to 30 ft-lbs.

(5) Install Hoisting Ring (9), washer (10), and Boss (11) in hole on flange (12) at the bottom of Lower Antenna Positioner (5). Then tighten Hoisting Ring Socket Head Screw (13) 26 to 30 ft-lbs.

b. Installation of Curbside Lifting Hoists (fig. 7).

Repeat steps a (1) through a (5) above for curbside mast.

11. CALIBRATION REQUIREMENTS

Not applicable.

12. WEIGHT AND BALANCE DATA

Not applicable.

13. QUALITY ASSURANCE REQUIREMENTS

Application of this MWO shall be subject to the general quality assurance provisions of DMWR 11-5985-368.

14. RECORDING AND REPORTING OF THE MODIFICATION

a. *Records and reports.* Report the modification on DA Form 2408, Equipment Modification Record, when multiple form assembled Log Book is applicable as indicated in DA PAM 738-750.

b. *Completion of DA Form 2407, Maintenance Request.* The accomplishment of the modification shall be recorded on DA Form 2407, Maintenance Request, in accordance with DA PAM 738-750.

c. *Marking equipment.* Specific marking instructions for the identification of modified items are: None.

d. *Identification data.* None.

15. MATERIEL CHANGE (MC) NUMBER

The MC number is: 1-92-07-0031

16. MODIFICATION IDENTIFICATION

Field Installation ECP N1BEFZZ-026

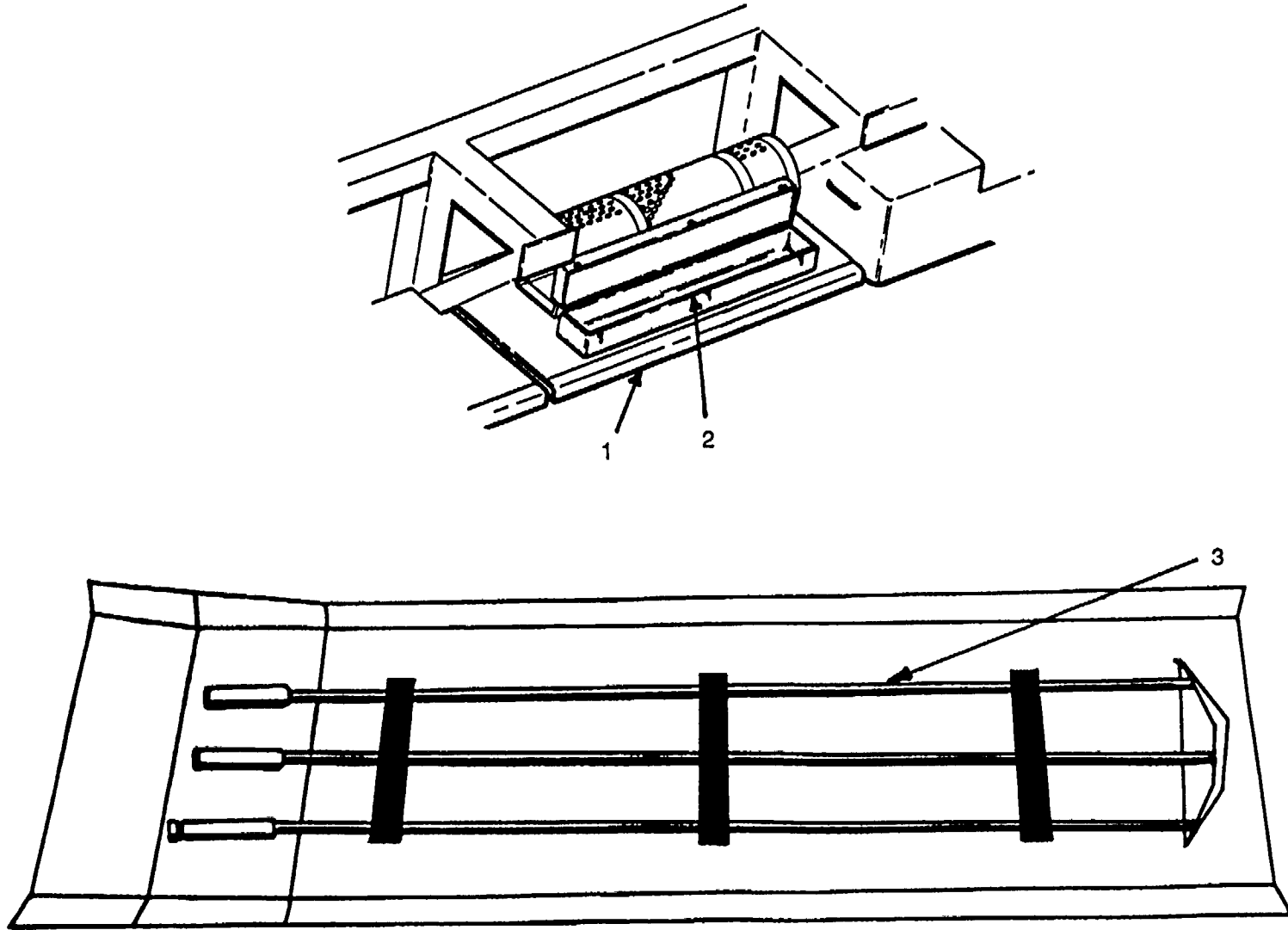


Figure 1. Ground Rod Removal

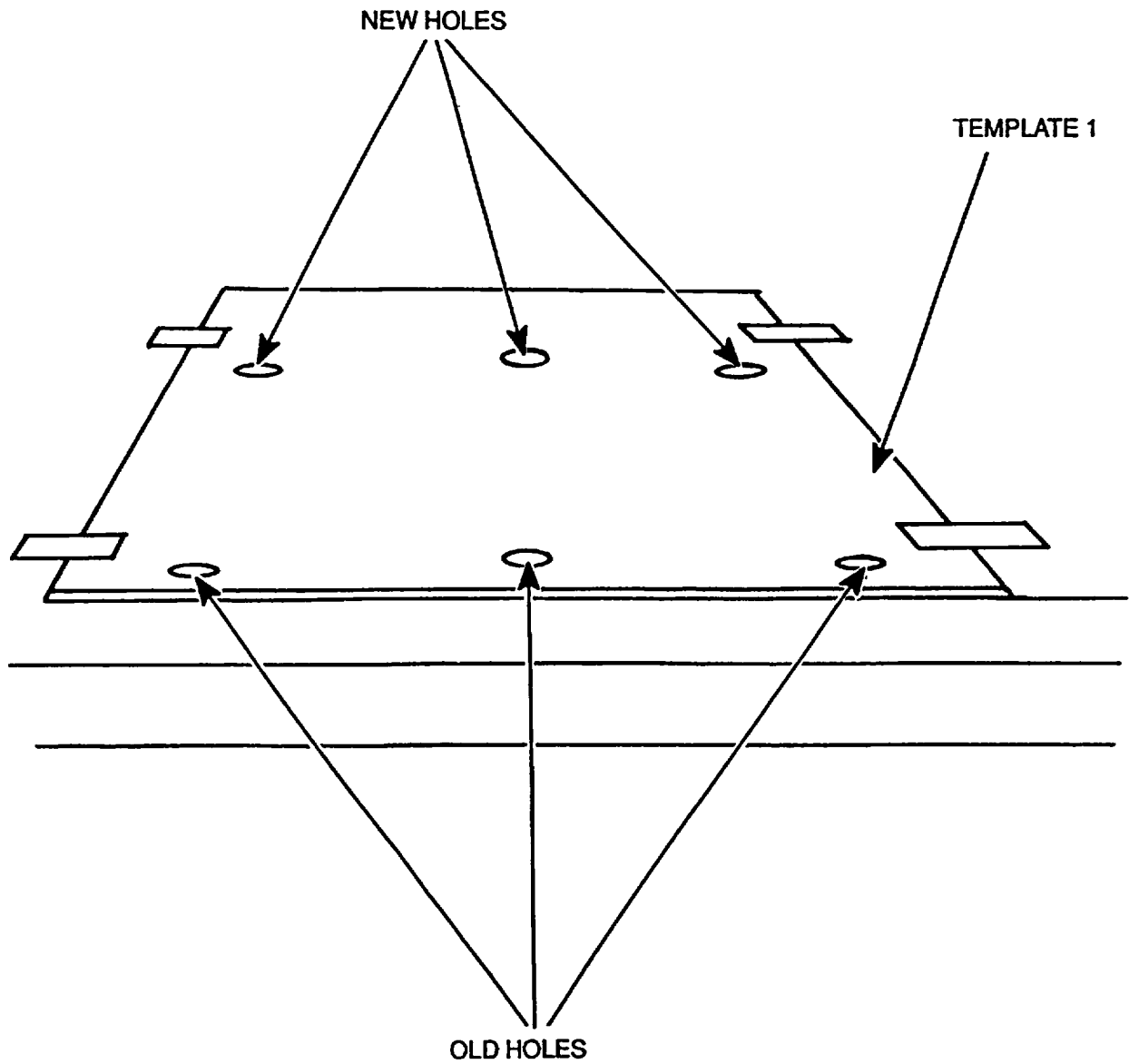


Figure 2. Preparation of Ground Rod Box Support for Guy Wire Accessory Kit Storage Box

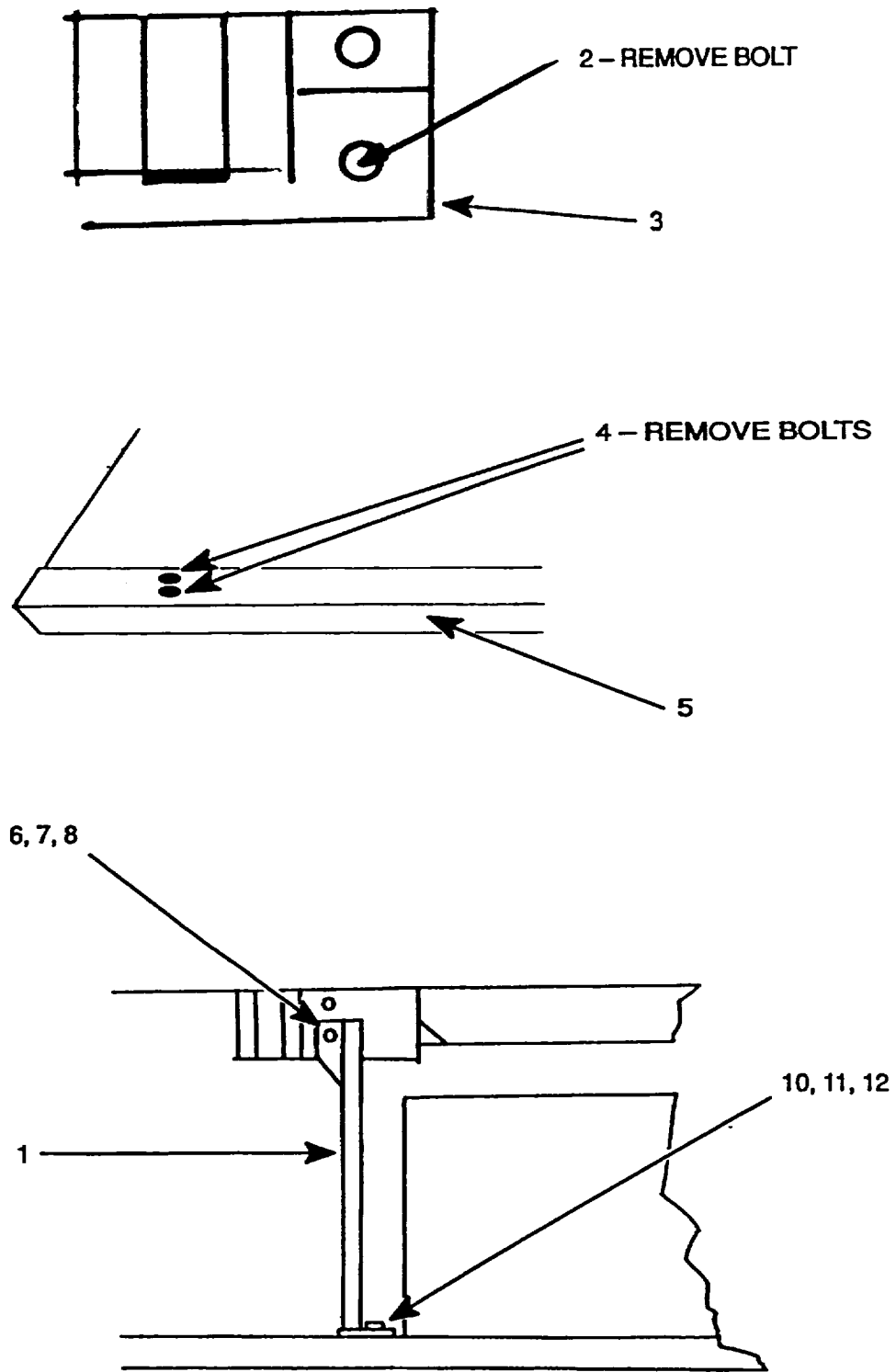


Figure 3. Installation of Left Ground Rod Support Bracket

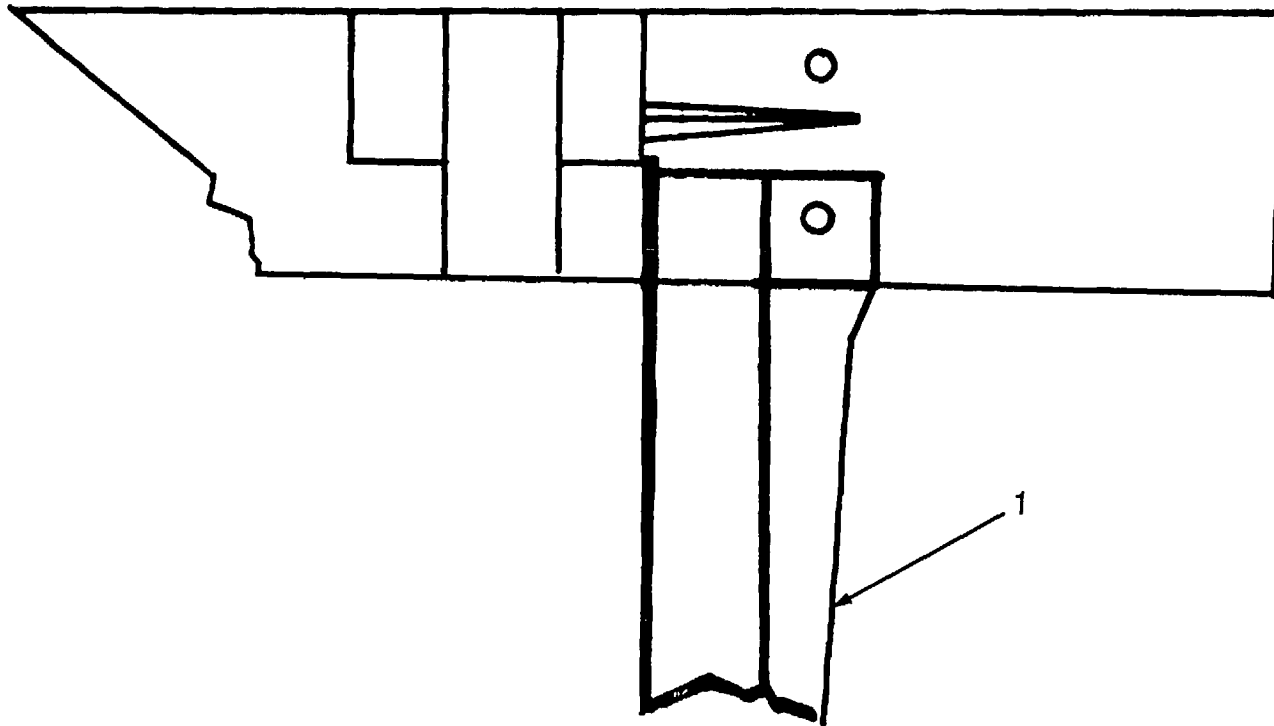


Figure 4. Installation of Right Ground Rod Support Bracket

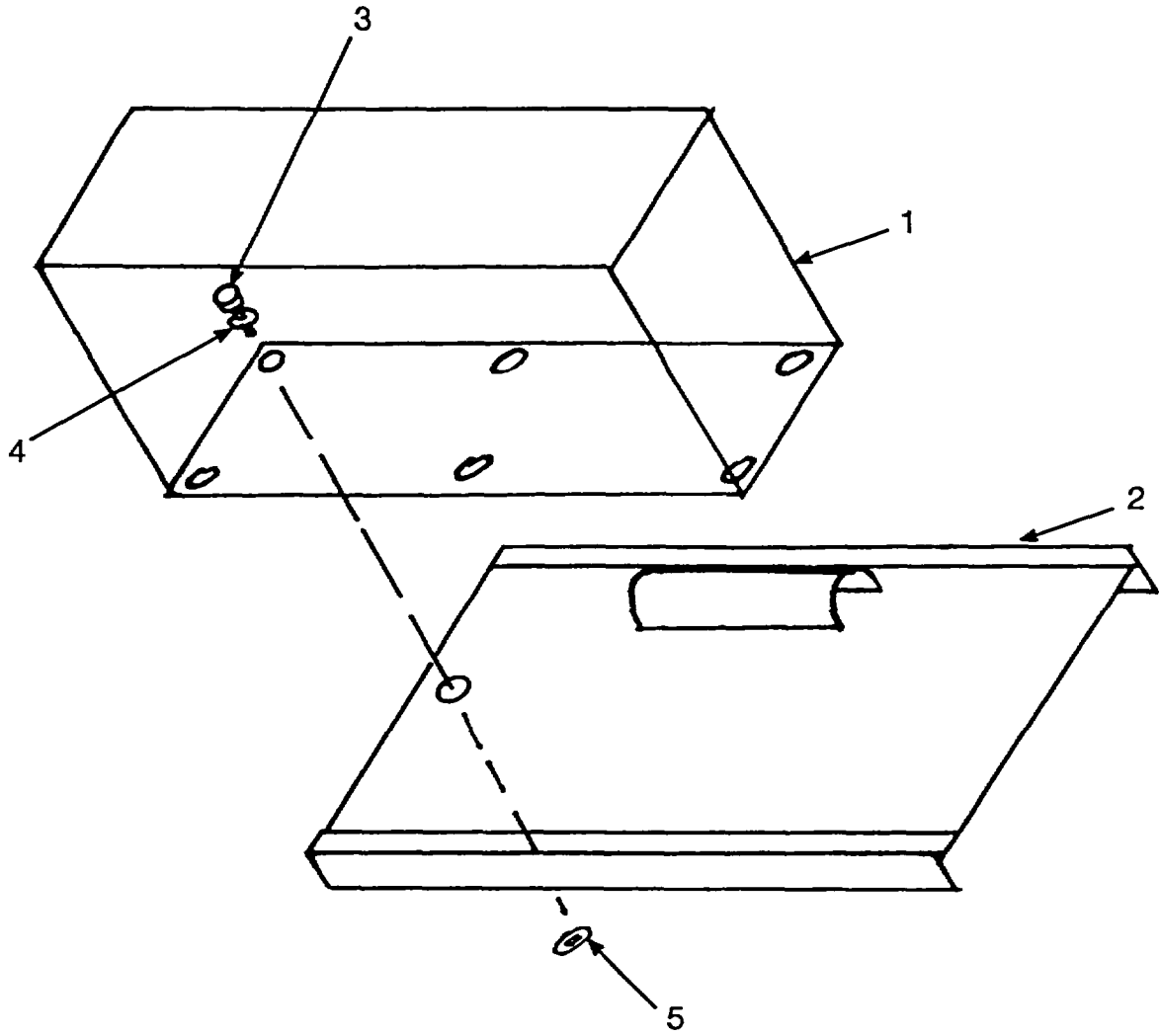


Figure 5. Guy Wire Accessory Kit Storage Box

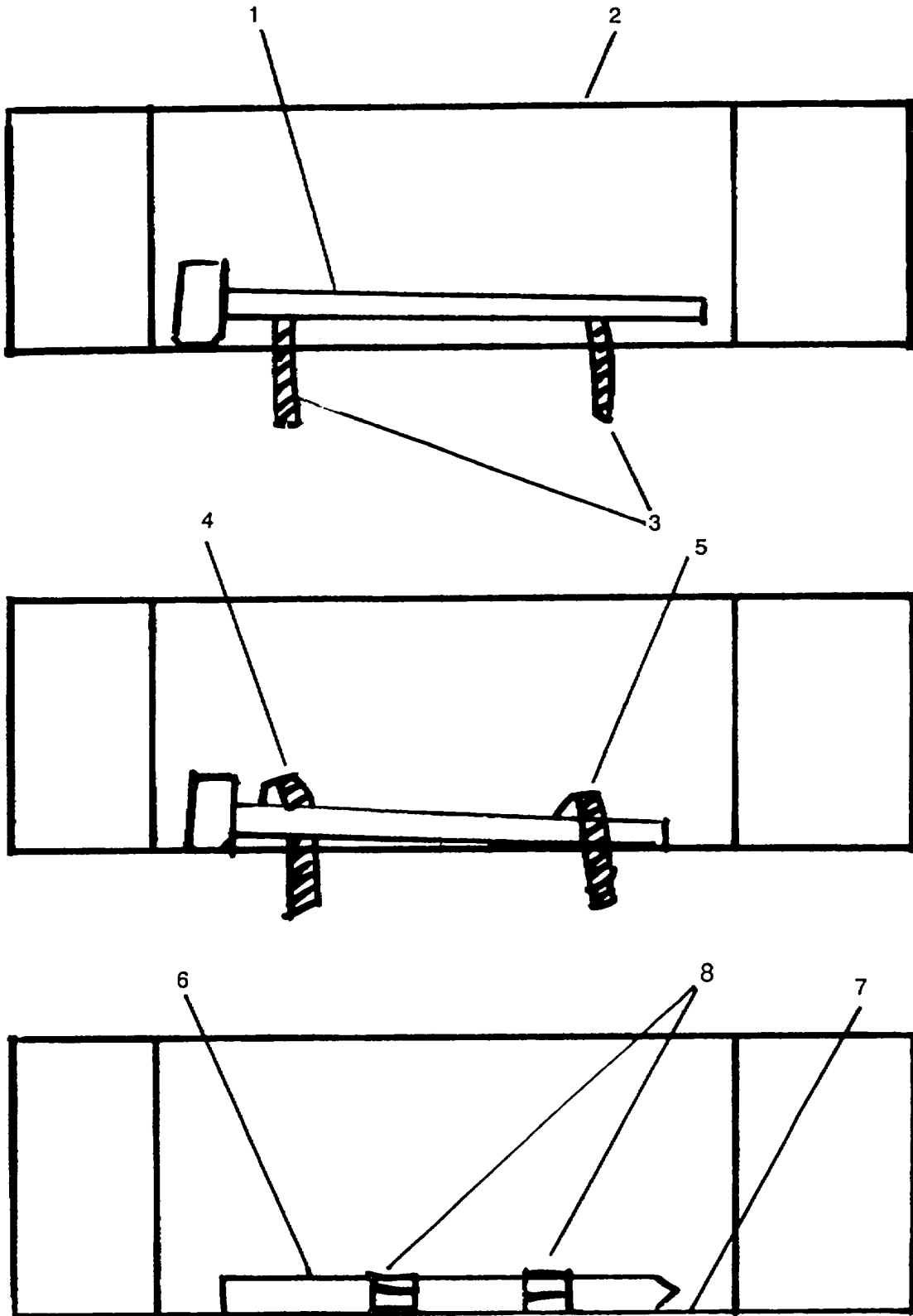


Figure 6a. Repacking of Guy Wire Kit Accessory Storage Box

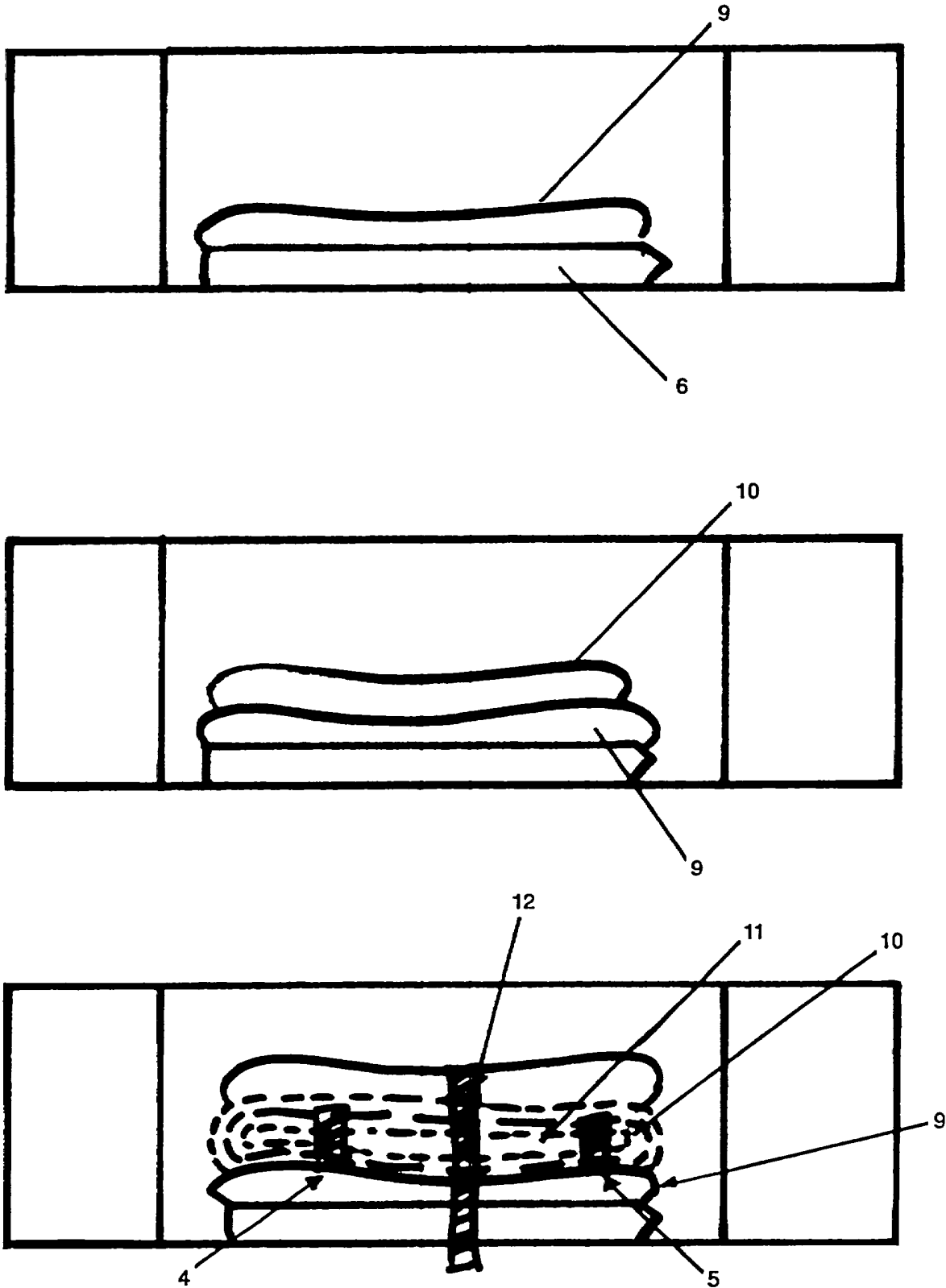


Figure 6b. Repacking of Guy Wire Kit Accessory Storage Box

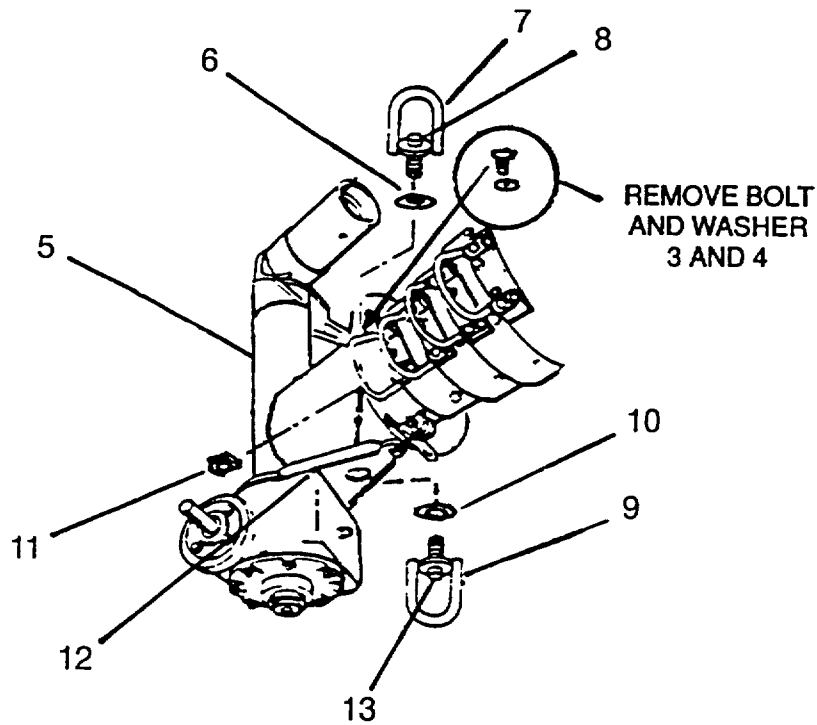
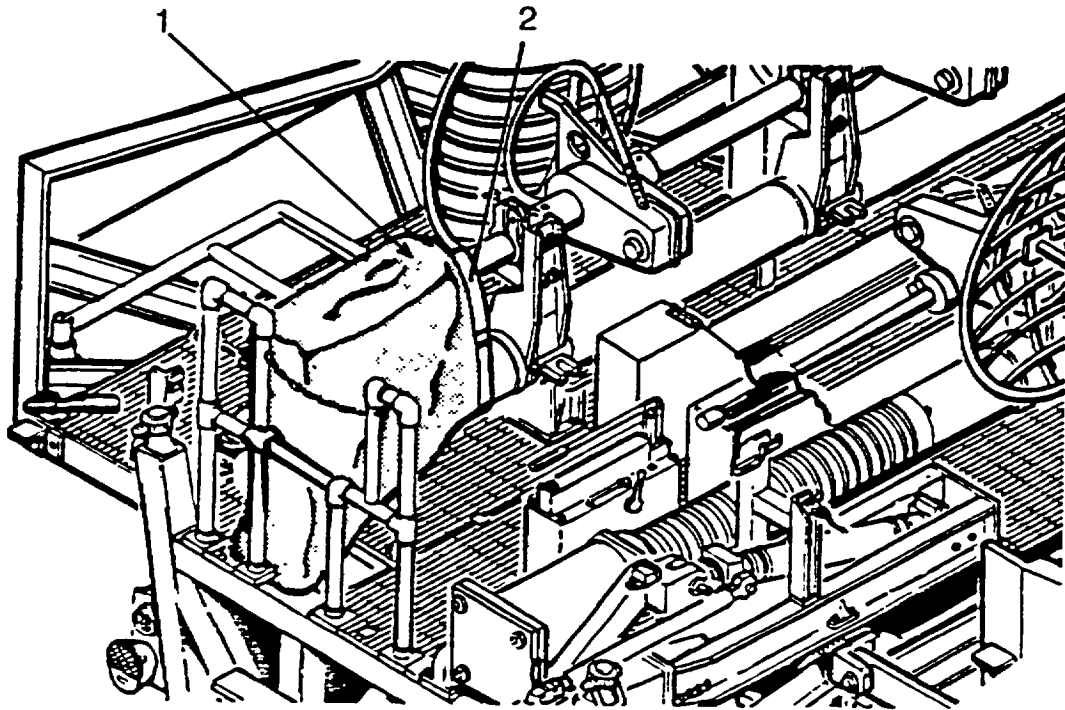


Figure 7. Installation of Lifting Hoists

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
06460

DISTRIBUTION:

To be distributed in accordance with DA Form 12-36-E, block 9663 requirements for MWO 11-5985-368-34-1.

