TECHNICAL MANUAL

OPERATOR, ORGANIZATIONAL, AND DIRECT SUPPORT MAINTENANCE MANUAL, INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST

TENT, VEHICLE MAINTENANCE; WITH COVER, PINS, AND SUPPORT

FSN 8340-889-3686

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

H E A D Q U A R T E R S , D E P A R T M E N T O F T H E A R M Y

F E B R U A R Y 1 9 7 1

Change
No. 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D. C., *24 April 1973*

Operator, Organizational, and Direct Support Maintenance Manual Including Repair Parts and Special Tools List for TENT, VEHICLE MAINTENANCE; WITH COVER PINS, AND SUPPORT FSN 8340-889-3686

TM 10-8340-208-13, 25 February 1971, is changed as follows:

Page C-1. Appendix C is deleted.
Page D-13. In line item 3, change FSN in column 2 to read, "5120-797-2402". Change part number in column 3 to read "3551-6"; add manufacturer's code as follows: "(91767)".

By Order of the Secretary of the Army:

CREIGHTON W. ABRAMS
General, United States Army
Chief of Staff

Official:
VERNE L. BOWERS
Major General, United States Army
The Adjutant General

Distribution:
To be distributed in accordance with DA Form 12-25A (qty rqr block No. 889), Operator requirements for Tent, Vehicle.

Technical Manual
No. 10-8340-208-13

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D. C., *25 February 1971*

OPERATOR, ORGANIZATIONAL, AND DIRECT SUPPORT

MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND

SPECIAL TOOLS LIST

TENT, VEHICLE MAINTENANCE; WITH COVER, PINS, AND SUPPORT (FSN 8340-889-3686)

Current as of 9 February 1971

*This manual supersedes TM 10-8340-208-13, 13 April 1964, Including All Changes.

LIST OF ILLUSTRATIONS

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

a. These instructions are published for the use of the personnel and organizations to whom the vehicle maintenance tent is issued. Chapters 1 thru 4 provide information on the erection, operation, daily preventive maintenance services, and organizational maintenance of the equipment, accessories, components, and attachments. Chapters 5 provides information for direct support maintenance.

b. Refer to TM 740-90-1 (Administrative Storage of Equipment) for information and instructions pertaining to organizational administrative storage.

c. Refer to TM 750-244-3 (Procedures for Destruction of Equipment to Prevent Enemy Use) for information and instructions on destruction of equipment to prevent enemy use.

1-2. Forms and Records

Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribed by TM 38-750.

1-3. Reporting of Errors

Reports of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Commanding General, U. S. Army Mobility Equipment Command, ATTN: AMSME-MPP, 4300 Goodfellow Boulevard, St. Louis, Mo. 63120.

Section II. DESCRIPTION AND DATA

1-4. General

This tent is a portable-type shelter for use by vehicle maintenance personnel while repairing wheeled and tracked vehicles in the field when operating under all temperate and tropical weather conditions. The tent fabric is cotton duck. The tent can be erected in various ways with the metal tent support and the metal and wood tent pins to form a shelter for the immediate need for the maintenance personnel.

1-5. Components

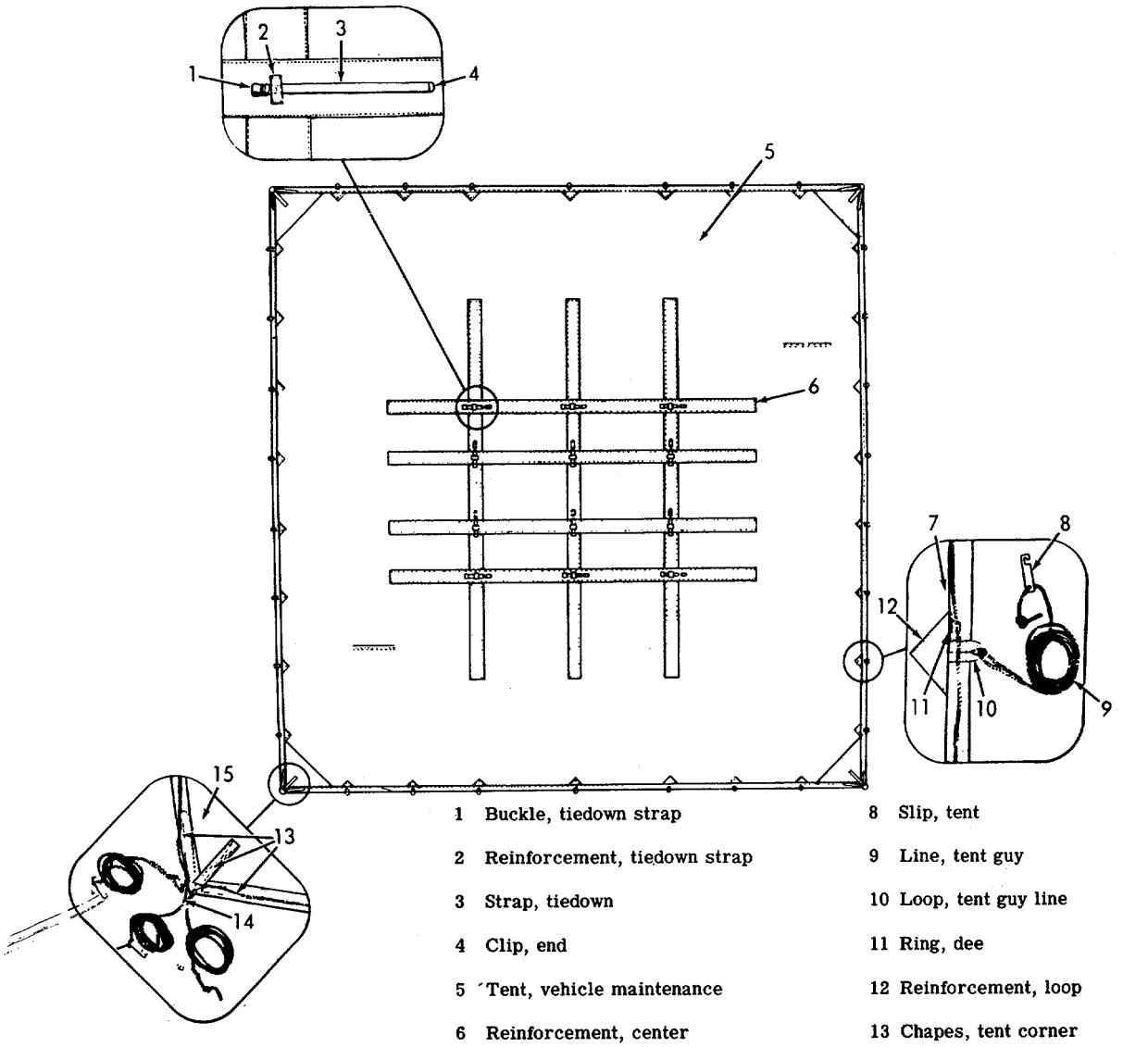
a. Tent. The tent (5, fig. 1-1) is made of cotton duck, olive drab, Army Shade No. 7, mildew and water resistant, 9.85 ounces; 26 feet long and 25 feet, 6 inches wide. A dee ring (14) is attached at each corner with chapes (13) and reinforcement (15). Eight small dee rings (11) are attached at evenly spaced locations along each side of the tent. Four tent securing lines (7) are installed through the dee rings to secure the tent when erected. A loop (10) and reinforcement (12) are attached along the edge of the tent at each small dee ring location. Seven strips of reinforcement (6) are attached to the center of the tent. There is a tiedown strap (3) located where each of the center reinforcements cross and is used to secure the tent to the tent support.

b. Tent Support. The tent support (fig. 1-2) is an A-shaped, adjustable, metal frame used to support the tent when it is erected. It is composed of two leg assemblies (1) and one ridge assembly (3) which are reinforced with braces (5 and 8) and held together with eyebolts (4 and 7). The ridge assembly and the leg assemblies are secured in their adjusted positions with toggle pins (2 and 9).

c. Tent Guy Lines and Tent Slips. The tent guy lines (9, fig. 1-1) are made from three-strand, twisted 5/16-inch diameter manila. They have a length of 13 feet with one end sewed and an eye splice in the other end. The tent slips (8) are flat, 4 inches long, with magnesium base. They are used on each tent guy line and tent securing line to hold them secure when the tent is erected.

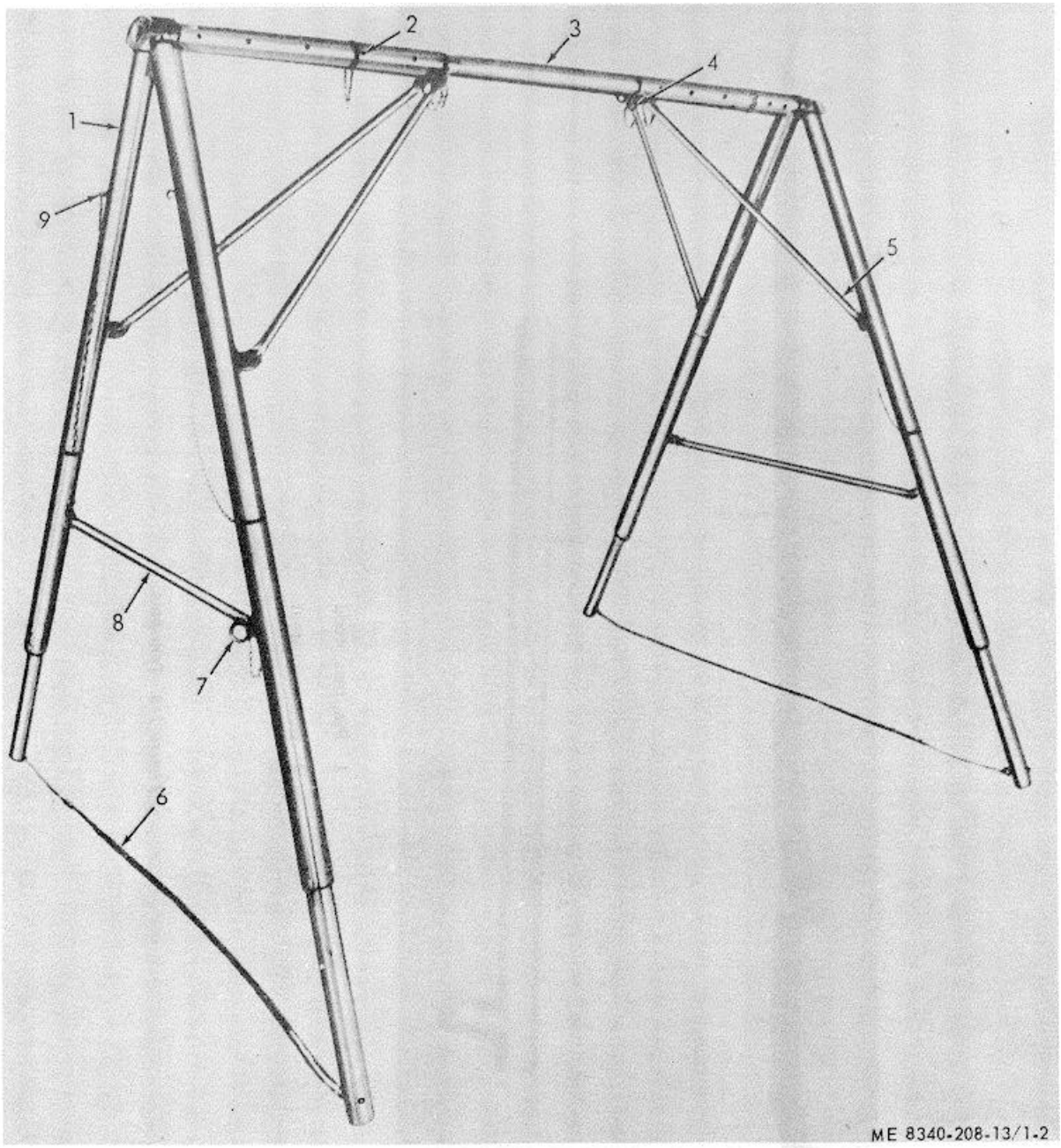
d. Tent Pins. There are two types of tent pins furnished with the tent. The tent pins (2, fig. 1-3) are 1 foot in length and are made of steel. The tent pins (1) are 2 feet in length and are made of wood.

e. Tent Cover. The tent cover (1, fig. 1-4) is olive drab cotton duck and is fire-, mildew-, water-, and weather-resistant and is tied around the folded tent to protect it when it is not erected. Two lines (2), identical to the tent guy lines are looped in two of the grommets (3) and are used with the two remaining grommets to tie the cover around the folded tent.



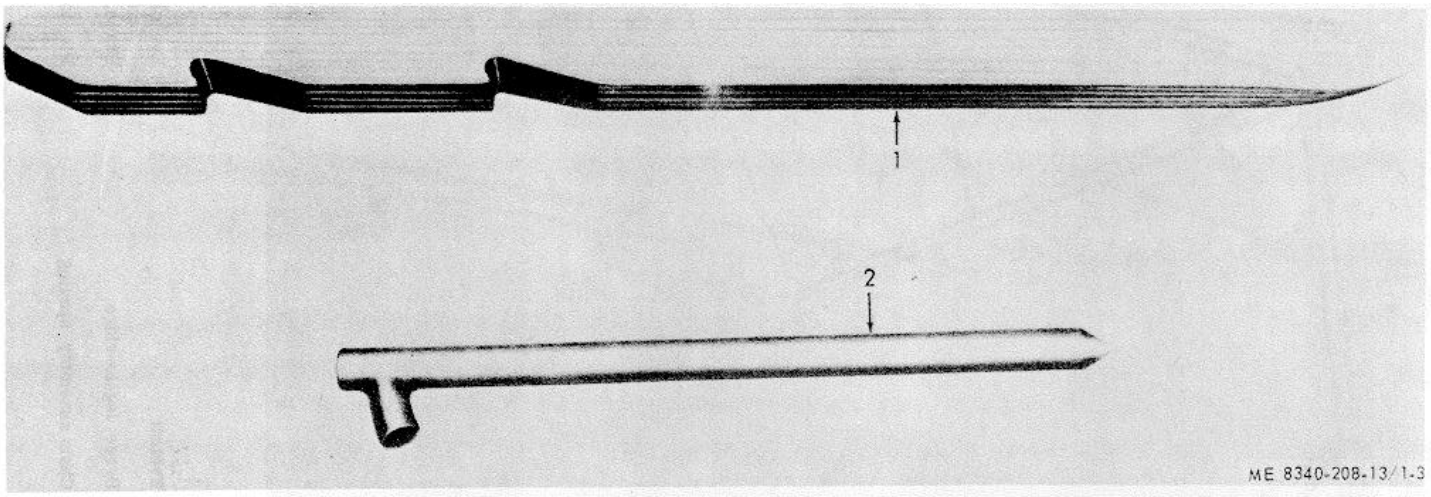
1 Buckle, tiedown strap
2 Reinforcement, tiedown strap
3 Strap, tiedown
4 Clip, end
5 Tent, vehicle maintenance
6 Reinforcement, center
7 Line, securing
8 Slip, tent
9 Line, tent guy
10 Loop, tent guy line
11 Ring, dee
12 Reinforcement, loop
13 Chapes, tent corner
14 Ring, dee
15 Reinforcement, tent corner

Figure 1-1. Vehicle maintenance tent



1 Leg assembly
2 Pin, toggle
3 Ridge assembly
4 Eyebolt
5 Brace, leg-to-ridge
6 Chain assembly, spacing
7 Eyebolt
8 Brace, leg-to-leg
9 Pin, toggle

Figure 1-2. Tent support



1 Pin, tent, wood

2 Pin, tent, steel

Figure 1-3. Tent pins

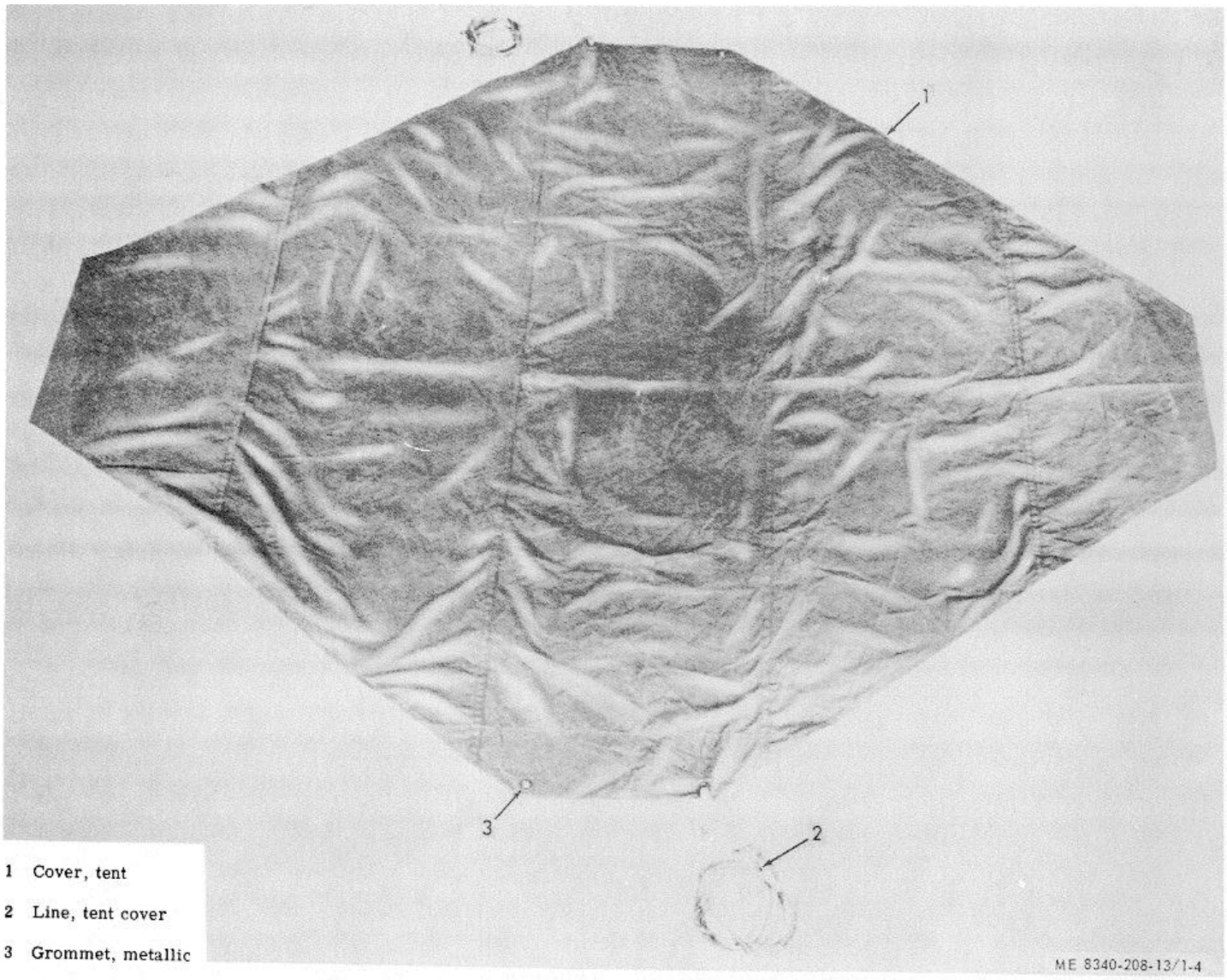


Figure 1-4. Tent cover

CHAPTER 2

OPERATING INSTRUCTIONS

Section I. SERVICE UPON RECEIPT OF EQUIPMENT

2-1. Inspecting and Servicing the Equipment

When a new or used tent is received by the using organization, it must be unpacked and inspected as described in paragraphs 2-2 and 2-3.

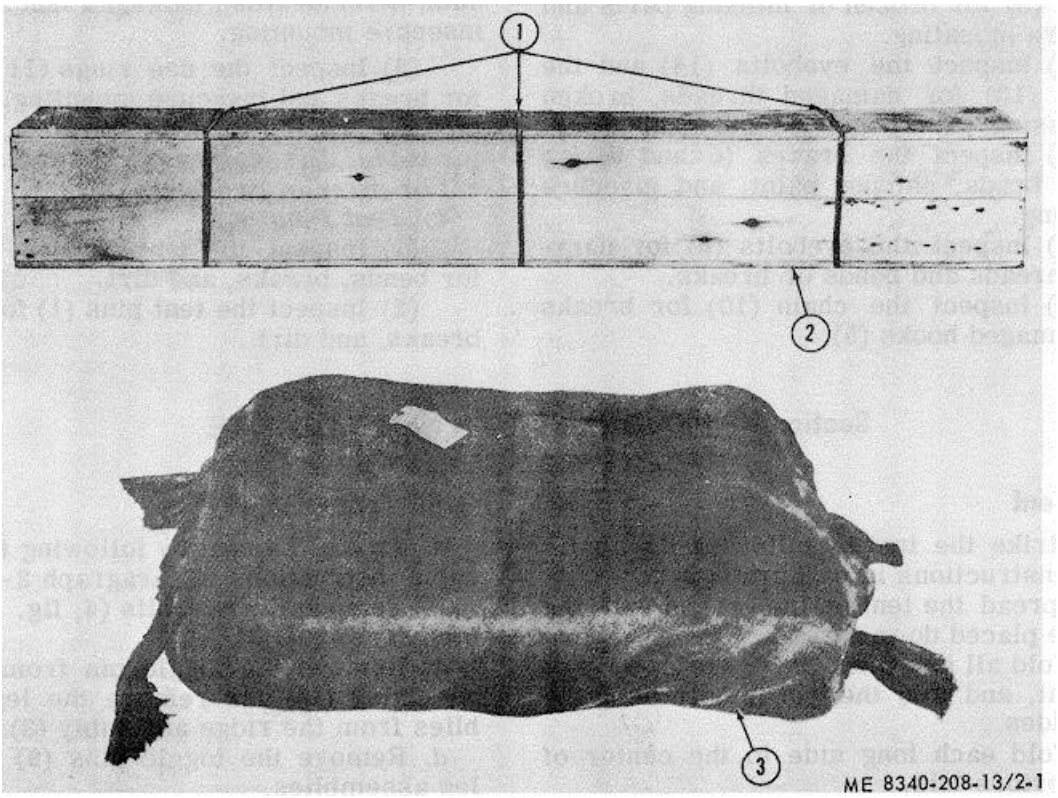
2-2. Unpacking the Equipment

a. Tent Support.

(1) Cut and remove the metal banding (1, fig. 2-1) from the packing container (2).

(2) Remove the top from the container and remove the tent support components from the container.

(3) Place the tent support components on the floor.



1 Banding, metal 2 Container, tent support 3 Container, tent and tent cover

Figure 2-1. Tent and tent support packing containers.

b. Tent Pins.

(1) Remove the top from the tent pin boxes.
(2) Remove the tent pins (1, fig. 1-3) from the box and place them on the floor.
(3) Remove the tent pins (2) from the remaining box and place them on the floor.

c. Tent and Tent Cover.

(1) Remove the container (3, fig. 2-1) from the tent and tent cover.
(2) Remove the tent from the tent cover.
(3) Unfold the tent on the floor.

2-3. Inspecting the Equipment

a. Tent Support.

(1) Inspect the leg assemblies (1, fig. 2-2) for dents, broken welds, damaged threads, corrosion, and chipped paint.
(2) Inspect the toggle pins (4) and the chains (3) for broken or missing parts and insecure mounting.
(3) Inspect the eyebolts (14) and the chains (13) for damaged threads, broken or missing parts, and insecure mounting.
(4) Inspect the braces (6 and 9) for dents, bends, chipped paint, and insecure mounting.
(5) Inspect the eyebolts (8) for damaged threads and bends or breaks.
(6) Inspect the chain (10) for breaks and damaged hooks (5).
(7) Inspect the ridge assembly (1, fig. 2-3) for dents, broken welds, damaged threads, corrosion, and chipped paint.
(8) Inspect the toggle pins (4) for bends and insecure mounting. Inspect the chains (5) for broken links, damaged hooks, and insecure mounting.
(9) Inspect the eyebolts (8) for damaged threads and insecure mounting. Inspect the chains (6) for broken links and damaged hooks (7).

b. Tent and Tent Cover.

(1) Inspect the tent (5, fig. 1-1) for rips, holes, and foreign material.
(2) Inspect the tiedown straps (3) for cuts, damaged buckle (1), or clip (4), and insecure mounting.
(3) Inspect the guy lines (9) for cuts, deterioration, and damaged tent slip (8). Inspect the loops,(10) for cuts and insecure mounting.
(4) Inspect the securing lines (7) for cuts, deterioration, damaged tent slips, and insecure mounting.
(5) Inspect the dee rings (11) and (14) for breaks and insecure mounting.
(6) Inspect the tent cover (1, fig. 1-4) for tears, dirt, damaged grommets (3), and cut or deteriorated lines (2).

c. Tent Pins.

(1) Inspect the tent pins (2, fig. 1-3) for bends, breaks, and dirt.
(2) Inspect the tent pins (1) for cracks, breaks, and dirt.

Section II. MOVEMENT TO A NEW WORKSITE

2-4. Tent

a. Strike the tent by following the applicable instructions in paragraph 2-8.
b. Spread the tent on the ground with the outside placed down.
c. Fold all guy lines (9, fig. 1-1)on top of the tent, and fold the tent in half along the long sides.
d. Fold each long side to the center of the previous fold.
e. Fold the tent in half again along the long sides, and fold each short side to the center in 3 foot folds.
f. Fold the tent folds together.
g. Place the tent on the tent cover (1, fig. 1-4), and secure the tent cover around the tent with the lines (2).

2-5. Tent Support

a. Strike the tent by following the applicable instructions in paragraph 2-8.
b. Remove the eyebolts (4, fig. 1-2)from the braces (5).
c. Remove the toggle pin from each leg assembly (1), and remove the leg assemblies from the ridge assembly (3).
d. Remove the toggle pins (9) from the leg assemblies.
e. Remove the eyebolts (7) from the braces (8).
f. Fold the leg assemblies, and place them in the container (2, fig. 2-1).
g. Remove the toggle pins (2, fig. 1-2) from the ridge assembly, close the ridge assembly, and place it in the container

with the leg assemblies. Secure the top on the container.

h. Place the tent pins (1, fig. 1-3) and tent pins (2) in the correct container and secure the top on the containers.

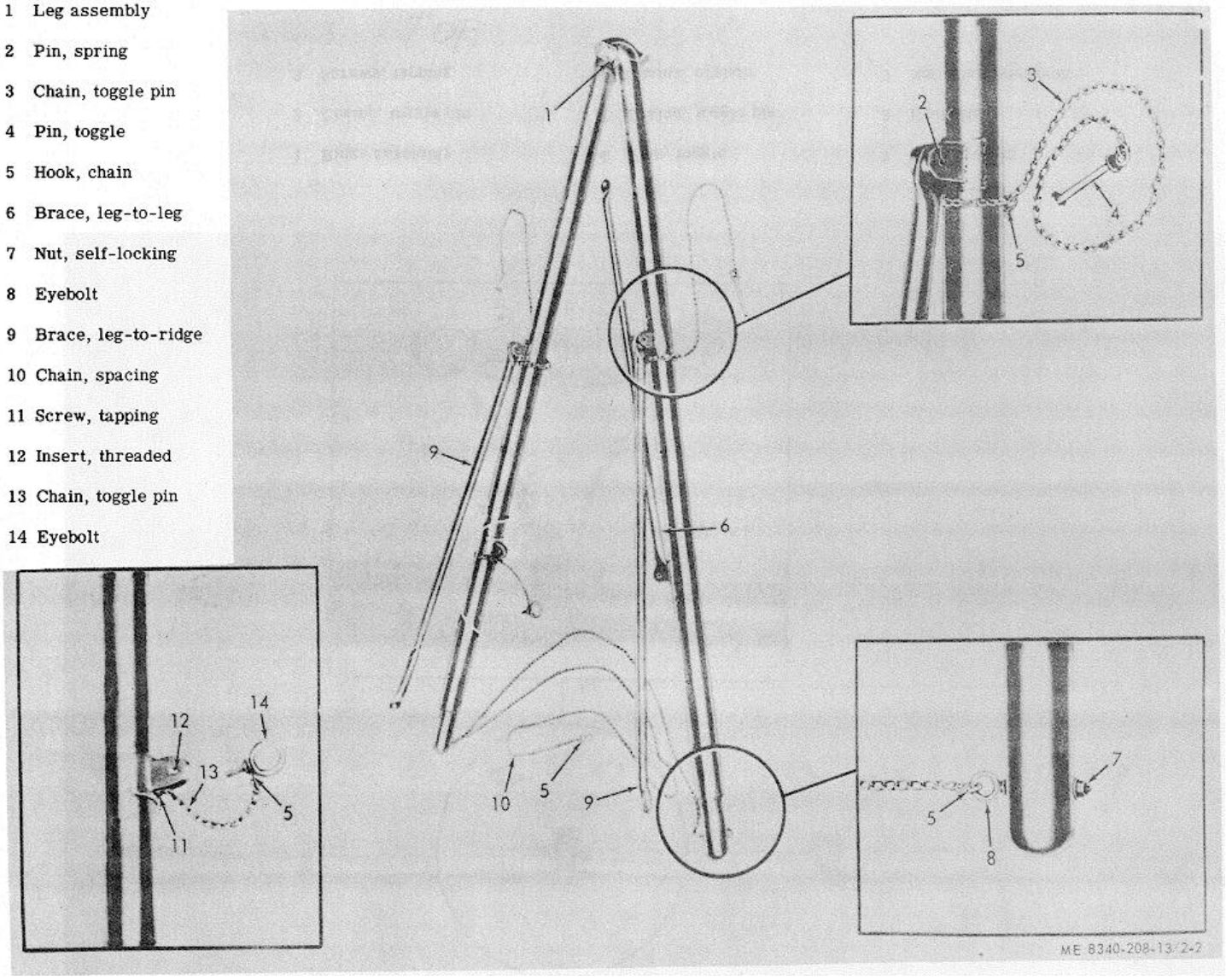
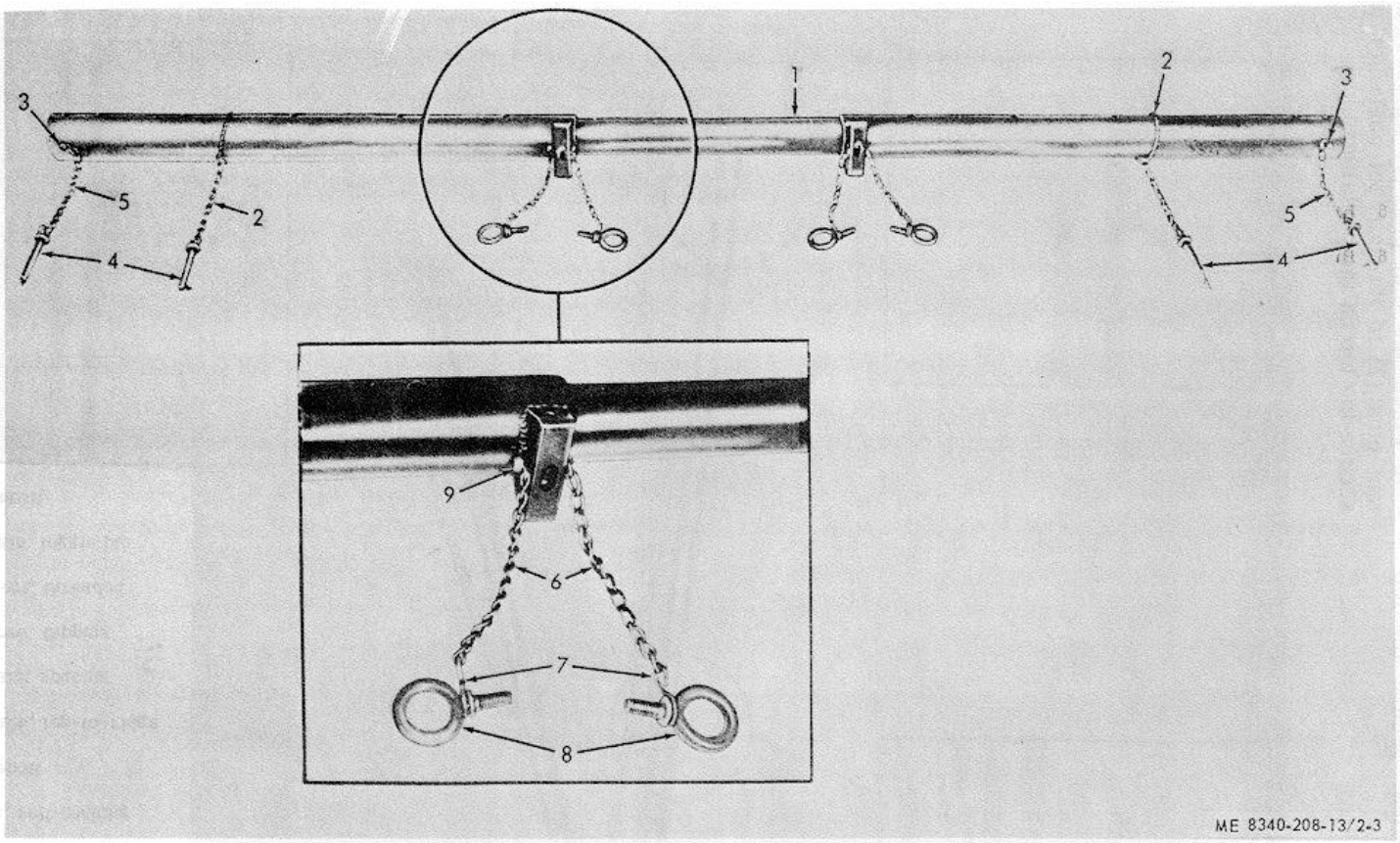


Figure 2-2. Tent support leg assembly.



1	Ridge assembly	4	Pins, toggle	7	Hooks, chain
2	Chains, toggle pin	5	Chains, toggle pin	8	Eyebolts
3	Screws, tapping	6	Chains, eyebolt	9	Nut, plain, hexagon

Figure 2-3. Ridge assembly.

Section III. OPERATION UNDER USUAL CONDITIONS

2-6. General

This section furnishes the user with the necessary information for erecting and striking the tent. The erection instructions furnished here are only those most commonly used. Therefore, the user may choose other ways, when more practicable for the immediate need.

2-7. Erection Instructions

a. Tent Support.

(1) Open the ridge assembly (1, fig. 2-3) to the desired length, insert the toggle pins (4) in the proper holes and lock them.

(2) Open each leg assembly (1, fig. 2-2) and secure each brace (6) between the legs with each eyebolt (14).

(3) Place each leg assembly in the up-right position and install it on the ridge assembly. Lock it on the ridge assembly with the remaining toggle pins (4, fig. 2-3).

(4) Secure each brace (5, fig. 1-2) to the ridge assembly with each eyebolt (4).

(5) Adjust the tent support to the desired height, and lock the leg assemblies with the toggle pins (9). Adjust the chain assemblies (6) to the proper length.

b. Tent Erected Over Front of Shop Truck. (A, fig. 2-4)

(1) Remove the tent (5, fig. 1-1) from the tent cover (1, fig. 1-4), and unfold the tent.
(2) Use the securing lines (7, fig. 1-1) to secure one end of the tent over the front of the truck.
(3) Assemble the tent support by following the instructions in a above.
(4) Place the tent support in front of the truck and drape the tent over it.
(5) Secure the tent to the ridge assembly (3, fig. 1-2) with the tiedown straps (3, fig. 1-1).
(6) Use the tent pins (2, fig. 1-3) to stake the loops (10, fig. 1-1) to the ground.

c. Tent Erected Over Rear of Shop Truck. (B, fig. 2-4).

(1) Remove the tent (5, fig. 1-1) from the tent cover (1, fig. 1-4), and unfold the tent.
(2) Use the securing lines (7, fig. 1-1) to secure one end of the tent over the rear of the truck.
(3) Assemble the tent support by following the instructions a above.
(4) Place the tent support to the rear of the truck to get the required working area, and drape the tent over the tent support.
(5) Secure the tent to the ridge assembly (3, fig. 1-2) with the tiedown straps (3, fig. 1-1).
(6) Use the tent pins (2, fig. 1-3) to stake the loops (10, fig. 1-1) to the ground.

d. Tent Erected Between Two Trucks. (C, fig. 2-4)

(1) Remove the tent (5, fig. 1-1) from the tent cover (1, fig. 1-4), and unfold the tent.

(2) Use the securing lines (7, fig. 1-1) to secure one end of the tent over the rear of the shop truck and the opposite end of the tent over the front end of another truck.

(3) Assemble the tent support by following the instructions in a above.

(4) Place the tent support between the two trucks, and secure the tent to the ridge assembly (3, fig. 1-2) with the tiedown straps (3, fig. 1-1).

e. Tent Erected Over Jeep. (D, fig. 2-4)

(1) Remove the tent (5, fig. 1-1) from the tent cover (1, fig. 1-4), and unfold the tent.
(2) Use the securing lines (7, fig. 1-1) to secure one end of the tent over the rear of the shop truck.
(3) Assemble the tent support by following the instructions in a above.

(4) Place the tent support to the rear of the shop truck, and secure the tent to the ridge assembly (3, fig. 1-2) with the tiedown straps (3, fig. 1-1).

(5) Using the tent pins (1 and 2, fig. 1-3), anchor the guy lines (9, fig. 1-1) to the ground to form a shed-type shelter.

f. Tent Erected Over Rear of Tank and Front of Shop Truck (E, fig. 2-4).

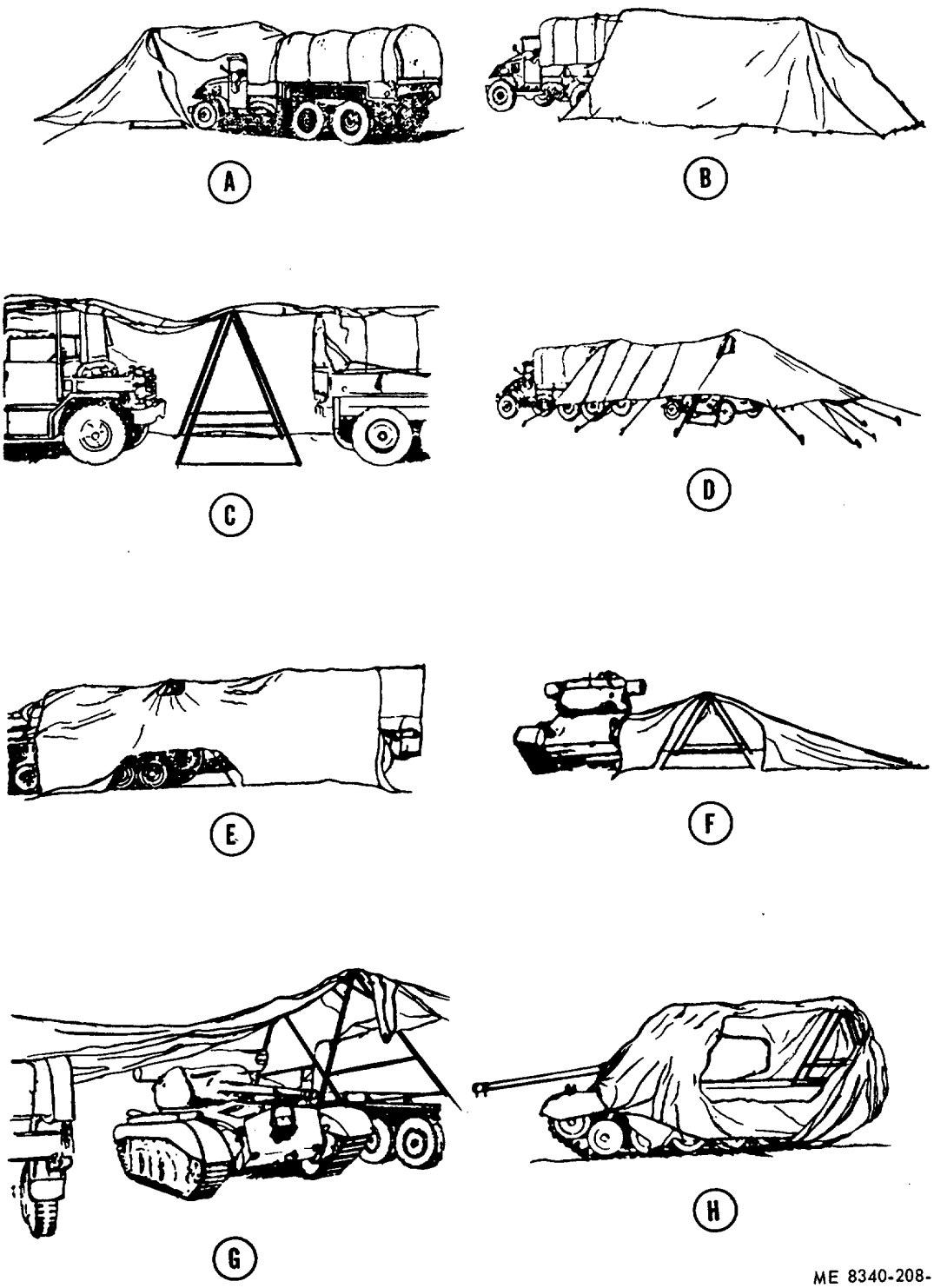
(1) Remove the tent (5, fig. 1-1) from the tent cover (1, fig. 1-4), and unfold the tent.

(2) Use the securing lines (7, fig. 1-1) to secure one end of the tent over the turret and rear deck of the tank. Use the remaining securing lines to secure the opposite end of the tent over the rear of the shop truck.

(3) Assemble the tent support by following the instructions in a above.

(4) Place the tent support between the tank and the shop truck, and secure the tent to the ridge assembly (3, fig. 1-2) with the tiedown straps (3, fig. 1-1).

(5) Use the tent pins (2, fig. 1-3) to anchor the loops (10, fig. 1-1) to the ground.



ME 8340-208-13/2-4

A Tent erected over front of truck

B Tent erected over rear of truck

C Tent erected between two trucks

D Tent erected over jeep

E Tent erected over rear of tank and front of truck

F Tent erected over tank track

G Tent erected over tank between two trucks

H Tent erected over tank

Figure 2-4. Uses of the tent.

g. Tent Erected Over Tank Track (F, fig. 2-4)

(1) Remove the tent (5, fig. 1-1) from the tent cover (1, fig. 1-4), and unfold the tent.

(2) Use the securing lines (7, fi-;2. 1-1) to secure one end of the tent along the side of the tank.

(3) Assemble the tent support by following the instruction in a above.

(4) Place the tent support away from the side of the tank and secure the tent to the ridge assembly (3, fig. 1-2) with the tiedown straps (3, fig. 1-1).

(5) Use the tent pins (2, fig. 1-3) to stake the loops (10, fig. 1-1) to the ground.

h. Tent Erected Over Tank Between Two Shop Trucks (G, fig. 2-4).

(1) Remove the tent (5,.fig. 1-1) from the tent cover (1, fig. 1-4), and unfold the tent.

(2) Use the securing lines (7, fig. 1-1) to secure one end of the tent over each truck.

(3) Assemble the tent support by following the instructions in a above.

(4) Place the tent support on the tank and one truck so that two legs are resting on the tank and two legs are resting on the truck.

(5) Secure the tent to the ridge assembly (3, fig. 1-2) with the tiedown straps (3, fig. 1-1).

i. Tent Erected Over Tank (H, fig. 2-4)

(1) Remove the tent (5, fig. 1-1) from the tent cover (1, fig. 1-4) and unfold the tent.

(2) Assemble the tent support by following the instructions in a above.

(3) Place the tent support on the rear deck of the tank, and drape the tent over the tank turret and the rear deck.

(4) Secure the tent to the ridge assembly (3, fig. 1-2) with the tiedown straps (3, fig. 1 -1).

(5) Use the securing lines (7, fig. 1-1) to secure the tent around the tank.

2-8. Striking Instructions

a. Tent Anchored to Ground.

(1) Remove the tent pins (2, fig. 1-3) from the ground, and remove the loops (10, fig. 1-1).

NOTE

If wood tent pins (1, fig. 1-3) were used, remove the guy lines (9, fig. 1-1) from the tent pins before removing them from the ground.

(2) Untie the securing lines (7) from the tank or truck, and remove the tiedown straps (3) from the tent support. Remove the tent (5) from the tent support and the tank or truck.

b. Tent Not Anchored to Ground.

(1) Untie the securing lines (7, fig. 1-1) from the tank or truck.

(2) Remove the tiedown straps (3) from the tent support.

(3) Remove the tent (5) from the tent support and the tank or truck.

(4) Remove the tent support from the tank.

Section IV. OPERATION UNDER UNUSUAL CONDITIONS

2-9. General

This section provides the user with additional using instructions for the tent being used under conditions other than usual. These instructions do not replace, but are supplementary to, those in paragraphs 2-4 through 2-8.

2-10. Windy Conditions

Be certain all guy lines (9, fig. 1-1), securing lines (7), and tiedown straps (3) are secured to prevent the tent from being damaged by the wind.

2-11. Snow, Ice, and Rain

a. Remove snow and ice from the tent (5, fig. 1-1) before it accumulates and causes damage to the tent.

b. Loosen wet guy lines (9) to prevent damage to the tent but keep the lines taut at all times.

CHAPTER 3

OPERATOR/CREW MAINTENANCE INSTRUCTIONS

Section I. BASIC ISSUE ITEMS

3-1. Tools and Equipment

Tools, equipment, and repair parts issued with or authorized for the vehicle maintenance tent, are listed in the basic issue items list, Appendix C.

3-2. Special Tools and Equipment

No special tools or equipment are required for operator maintenance on the tent.

Section II. PREVENTIVE MAINTENANCE CHECKS AND SERVICES

3-3. General

To insure that the expandable, frame-type tent is ready for operation at all times, it must be inspected systematically so that defects may be discovered and corrected before they result in serious damage or failure. The necessary preventive maintenance checks and services to be performed are listed and described in paragraph 3-5. Defects discovered will be noted for future correction, to be made as soon as possible. All deficiencies and shortcomings, together with the corrective action taken, will be recorded on DA Form 2404 (Equipment Inspection and Maintenance Worksheet) at the-earliest possible opportunity.

3-4. Cleaning

Remove dirt and foreign matter from the tent body, liner and covers, support components, and anchoring components, with a soap and water solution, using a soft-bristle brush.

3-5. Preventive Maintenance Checks and Services

Table 3-1 contains a tabulated listing of the operator's periodic (daily and weekly) preventive maintenance checks and services. The item numbers indicate the sequence of minimum inspection requirements.

Table 3-1. Preventive Maintenance Checks and Services

Item Number	Interval: Operator Daily B	D	A	W	Org. M	G	Item to be inspected	Procedure	Reference
							B-Before operation D-During operation	A-After operation W-Weekly	M-Monthly Q-Quarterly
1	X	X	X	Tent Body			Check the tent fabric for rips, holes, deterioration, dirt and missing parts. Check the hardware for damage and insecure mounting. Check the securing lines for cuts, frays deterioration, and insecure mounting.		
2	X	X	X	Tent Anchoring Components			Check the guy lines for cuts, frays, deterioration, insecure mounting and insecure anchoring. Check the tent slips for cracks, breaks. and insecure mounting. Inspect the tent pins for insecure anchoring.		
3	X	X	X	Tent Support			Check the tent support for chipped paint, dents, breaks, and broken or missing parts.		

CHAPTER 4

ORGANIZATIONAL MAINTENANCE INSTRUCTIONS

Section I. SERVICE UPON RECEIPT OF EQUIPMENT

4-1. Inspecting and Servicing the Equipment

Refer to paragraph 2-1 for inspection and servicing procedures.

4-2. Installation

Refer to paragraph 2-7 for installation procedures.

Section II. MOVEMENT TO A NEW WORKSITE

4-3. Dismantling for Movement

Refer to paragraph 2-8 for dismantling procedures.

4-4. Reinstallation After Movement

Refer to paragraph 2-7 for reinstallation procedures.

Section III. REPAIR PARTS, SPECIAL TOOLS, AND EQUIPMENT

4-5. Tools and Equipment

Tools, equipment, and repair parts issued with or authorized for the Vehicle Maintenance Tent, are listed in Appendix B.

4-6. Special Tools and Equipment

No special tools or equipment are required by organizational personnel to perform maintenance on the Vehicle Maintenance Tent.

4-7. Maintenance Repair Parts

Repair parts and equipment are listed and illustrated in appendix D.

Section IV. MAINTENANCE OF TENT BODY AND SUPPORT

4-8. Tent

a. Inspection. Inspect the tent (5, fig. 1-1) for rips, holes, dirt, damaged hardware, and missing parts.

b. Cleaning.

(1) Use a mild soap and water solution and a soft bristle brush to remove dirt from the tent. Rinse the tent with clear water.

(2) Hang the tent up and allow it to dry.

c. Repair and Replacement.

(1) *Hand sewing*.

(a) Select the proper tools and material from the canvas repair kit.

(b) Hand sew any rips or holes in the tent by following the proper procedures in TM 10-269.

(2) *Cement patching*.

NOTE

A hole or rip in the tent not greater than 4 ¾ inches in diameter or length should be repaired by using a cement patch.

(a) Select the proper tools and materials from the canvas repair kit.
(b) Apply the cement patch to the damaged area by following the procedures in TM 10-269.
(3) *Replacement.* If the tent is damaged beyond repair, replace it with a serviceable one.

4-9. Tiedown Strap End Clip

a. Inspection. Inspect the end clips (4, fig. 1-1) for cracks, corrosion, and insecure mounting.
b. Cleaning. Use a damp, soapy cloth to remove the corrosion from the end clips.
c. Replacement.
(1) Cut the tiedown strap (3) behind the damaged end clip. Cut any frays from the cut end of the tiedown strap.
(2) Place a new end clip on the tiedown strap and flatten the end clip with a hammer.

NOTE
Be certain the end clip is mounted securely on the tiedown strap.

4-10. Securing Lines

a. Inspection. Inspect the securing lines (7, fig. 1-1) for dirt, cuts, frays, deterioration, and insecure mounting.
b. Cleaning. Wash the securing lines in a mild soap and water solution.
c. Repair.
(1) Cut the securing line above the damaged area.
(2) Place a serviceable tent slip (8, fig. 1-1) on the securing line.
(3) End-whip the securing line by following the procedures in TM 10-269.
(4) Tie an overhand knot in the end of the securing line.
d. Replacement.
(1) Remove the damaged securing line from the tent.
(2) Place a new securing line through the dee rings (11 and 14, fig. 1-1).
(3) Place a serviceable tent slip on each end of the securing line and tie an overhand knot in each end of the securing line.

4-11. Tent Support

a. Inspection. Inspect the tent support (fig. 1-2) for chipped paint, corrosion, and broken or missing parts.
b. Cleaning. Use a soap and water solution and a wire brush to remove dirt and corrosion from the tent support.
c. Repair.
(1) Follow the appropriate procedure in paragraphs 4-12 through 4-14 to repair the tent support.
(2) If the tent support is damaged beyond repair, replace it with a serviceable one.
d. Spot Painting.
(1) Clean the tent support by following the procedures in b above.
(2) Apply one coat of primer to the unpainted surface and allow it to dry.
(3) Apply one coat of semigloss enamel over the primer and allow it to dry.

4-12. Ridge Assembly

a. Inspection.
(1) Inspect the ridge assembly (3, fig. 1-2) for bends, dents, and chipped paint.
(2) Inspect the eyebolts (4) for damaged threads, cracks, and insecure mounting.
(3) Inspect the eyebolt chains for broken links and insecure mounting.
(4) Inspect the toggle pins (2) for bends, breaks, broken or missing locks, and insecure mounting.
(5) Inspect the toggle pin chains for broken links and insecure mounting.
b. Cleaning. Use a soap and water solution to remove any foreign matter from the ridge assembly.
c. Spot Painting. Refer to paragraph 4-11.
d. Replacement.
(1) Remove the eyebolts (4, fig. 1-2) from the braces (5).
(2) Remove the toggle pins securing the leg assemblies to the ridge assembly and remove the leg assemblies.
(3) Install a serviceable ridge assembly by reversing the procedures in (1) and (2) above.
e. Repair and Replacement of Components.
(1) *Ridge.*
(a) Use the proper tools to remove any dents or bends from the ridge.
(b) If the ridge cannot be repaired, replace the ridge assembly (d above) with a serviceable one.
(2) *Eyebolt and chain assemblies.*

(a) Remove a damaged eyebolt from the chain hook and install a serviceable one.

(b) Remove a damaged chain hook from the chain and install a serviceable one.

(c) Remove the nut (9, fig. 2-3) from the bolt and remove the bolt from the ridge assembly and chain (6). Install the new chain on the ridge assembly, using a serviceable bolt and nut.

(3) *End toggle and chain assemblies*.

(a) Remove a damaged toggle pin (4, fig. 2-3) from the chain hook, and install a serviceable one.

(b) Remove a damaged chain hook from the chain (5), and install a serviceable one.

(c) Remove the screw (3) from the ridge assembly and the chain. Install the new chain on the ridge assembly, using a serviceable screw.

(4) *Intermediate toggle pin and chain assemblies*.

(a) Remove a damaged toggle pin (4, fig. 2-3) from the chain hook, and install a serviceable one.

(b) Remove a damaged chain hook from the chain (2) or the toggle pin (4), and install a serviceable chain hook.

(c) Unhook the chain hook, and remove the chain from the ridge assembly. Install the new chain on the ridge assembly with a serviceable chain hook.

4-13. Support Braces

a. Inspection. Inspect the braces (5 and 8, fig. 1-2) for bends, cracks, chipped paint, and insecure mounting.

b. Cleaning. Use a soap water solution to remove any foreign matter from the braces.

c. Spot Painting. Refer to paragraph 4-11.

d. Repair. Remove all bends from the braces.

e. Replacement.

(1) Use a hammer and a drift punch to remove the spring pin (2, fig. 2-2) from the damaged brace. and the leg assembly (1, fig. 1-2).

NOTE

The drift punch must be large enough to fit the outside edge of the spring pin.

(2) Remove the eyebolt (4) or (7) from the damaged brace and remove the brace from the tent support.

(3) Install a new spring pin and a serviceable brace by reversing the procedures in (1) and (2) above.

4-14. Leg Assemblies

a. Inspection.

(1) Inspect the leg assemblies (1, fig. 2-2) for bends, dents, and chipped paint.

(2) Inspect the toggle pins (4) for bends, broken locks, and insecure mounting.

(3) Inspect the toggle pin chains (3) for broken links, missing chain hooks (5), and insecure mounting.

(4) Inspect the eyebolts (14) for damaged threads and insecure mounting.

(5) Inspect the toggle pin chains (13) for broken links, missing chain hooks (5), and insecure mounting.

(6) Inspect the spacing chains (10) for broken links, missing chain hooks (5), and insecure mounting.

(7) Inspect the eyebolts (8) for damaged threads and insecure mounting.

b. Cleaning. Use a soap and water solution to remove any foreign matter from the leg assemblies.

c. Spot Painting. Refer to paragraph 4-11.

d. Replacement.

(1) Remove the eyebolt from each brace (5, fig. 1-2) and remove the brace from the ridge assembly.

(2) Remove the toggle pin securing the leg assembly to the ridge assembly and remove the leg assembly from the tent support.

(3) Install a serviceable leg assembly on the tent support by reversing the procedures in (1) and (2) above.

e. Replacement of Components.

(1) Lower leg eyebolt and chain assemblies.

(a) Remove any damaged chain hooks (5, fig. 2-2) and install serviceable ones.

(b) Unhook the chain hooks and remove a damaged spacing chain (10) from the eyebolts (8). Use serviceable chain hooks to install the new chain through the eyebolts.

(c) Remove a damaged eyebolt from the leg assembly and install a serviceable one.

(2) Brace eyebolt and chain assemblies.

(a) Remove a damaged eyebolt (14, fig. 2-2) from the chain hook (5) and install a serviceable one.

(b) Remove a damaged chain hook and install a serviceable one.

(c) Remove the screw (11) from the chain (13) and the leg assembly (1). Use serviceable chain hooks and screw to install the new chain.

(3) Toggle pin and chain assemblies.

(a) Remove a damaged toggle pin (4, fig. 2-2) from the chain hook and install a serviceable one.

(b) Remove a damaged chain hook (5) from the chain (3) and install a serviceable one.

(c) Remove the chain hooks from a damaged chain and remove the chain from the leg assembly. Use serviceable chain hooks to install the new chain and a serviceable toggle pin.

Section V. TENT ANCHORING COMPONENTS AND ACCESSORIES

4-15. Tent Slips

a. Inspection. Inspect the tent slips (8, fig. 1-1) for dirt, burs, and cracks.

b. Cleaning. Use a soap and water solution to remove any dirt from the tent slips.

c. Replacement.

(1) Untie the overhand knot at the end of the guy line (9) or securing line (7) and remove the damaged tent slip.

(2) Install a serviceable tent slip on the guy line or securing line and tie an overhand knot in line.

4-16. Tent Guy Lines

a. Inspection. Inspect the guy lines (9, fig. 1-1) for dirt, cuts, frays, deterioration, and insecure mounting.

b. Cleaning. Wash the guy lines in a mild soap and water solution. Rinse the guy lines in clear water.

c. Repair. When a guy line is damaged in an area less than 3 feet from the end, it will be repaired as follows:

(1) Cut the guy line above the damaged area.

(2) Place a serviceable tent slip (8) on the guy line. End-whip the guy line by following the procedures in TM 10-269.

(3) Tie an overhand knot in the end of the guy line.

d. Replacement. When a guy line is damaged in an area beyond 3 feet from the end, it must be replaced.

(1) Remove the damaged guy line from the tent.

(2) Using a serviceable guy line, loop it through the loop (10, fig. 1-1) and the eye splice to secure it to the tent.

(3) Place a serviceable tent slip on the guy line and tie an overhand knot in the end of the guy line.

4-17. Tent Pins

a. Inspection.

(1) Inspect the wood tent pins (1, fig. 1-3) for dirt, cracks, and breaks.

(2) Inspect the metal tent pins (2) for cracks, dirt, bends, and burs.

b. Cleaning. Wash all tent pins in a soap and water solution to remove any foreign matter.

c. Repair and Replacement.

(1) Use a metal file to remove any burs from the metal tent pins.

(2) If the tent pins are damaged beyond repair, replace them with serviceable ones.

CHAPTER 5

DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

Section I. SPECIAL TOOLS AND REPAIR PARTS

5-1. Special Tools
The special coil insert tools used in Direct Support maintenance of this tent are listed in appendix B. Instructions for use of the special coil insert tools are contained in paragraph 5-9.

5-2. Repair Parts
The repair parts that are authorized for use in direct support maintenance of this tent are listed and illustrated in appendix D.

Section II. TENT BODY, TENT SUPPORT, TENT ANCHORING COMPONENTS, AND ACCESSORIES

5-3. Tiedown Straps
a. Replacement of Buckle.

(1) Cut one end of the reinforcement (2, fig. 1-1), and remove the damaged buckle (1) from the tiedown strap (3).

(2) Place a new buckle on the tiedown strap and fold the tiedown strap under the reinforcement.

(3) Machine sew the reinforcement to the tent with a single-X box stitch.

b. Replacement of Reinforcement.

(1) Cut the threads on the damaged reinforcement (2, fig. 1-1) and remove the reinforcement from the tent.

(2) Cut a 5-inch length of reinforcement from the proper 1-inch bulk webbing.

(3) Fold 1 inch of each end of reinforcement under in order that the new length will be 3 inches.

(4) Place the folded reinforcement over the tiedown strap (3) and machine sew it to the tent with a single-X box stitch.

c. Replacement of the Tiedown Strap.

(1) Cut the reinforcement threads and remove the damaged tiedown strap (3, fig. 1-1) from the tent.

(2) Cut a 21-inch length from the proper 1-inch bulk webbing.

(3) Install a new end clip (4) on one end of the tiedown strap.

(4) Place a serviceable buckle (1) on the opposite end of the tiedown strap and fold the tiedown strap under 3 inches at the buckle end.

(5) Place the tiedown strap under a serviceable reinforcement (2) and machine sew it to the tent with a single-X box stitch.

5-4. Dee Rings, Chapes, and Loops
a. Replacement of Corner Dee Rings and Chapes.

(1) Remove the securing line (7, fig. 1-1) from the dee ring (14).

NOTE
If the dee ring is damaged, remove the guy line (9) from the dee ring.

(2) Cut the stitching from the chapes (13) and remove the chapes and dee ring from the tent.

(3) Cut two 2-foot chapes from the proper 1-1/2-inch wide webbing.

(4) Loop the center chape through a serviceable dee ring and place the two ends of the chape together.

(5) Loop the remaining chape through the dee ring and place the chapes and dee ring on the tent.

(6) Fold the chape, located along the edges of the tent, under 1/2 inch at each end and box-stitch the chape to the tent with the proper machine.

(7) Fold the center chape under 1 inch at the ends.

(8) Machine sew the chape to the tent with a single-X box stitch.

(9) Eye-splice a serviceable guy line in the dee ring. (TM 10-269).

(10) Install the securing lines through the dee ring.

b. Replacement of Side Dee Rings and Chapes.

(1) Cut the stitching from the chapes and remove the chape and dee ring (11, fig. 1-1) from the tent.

NOTE

If the dee ring is damaged, remove it from securing line (7).

(2) Cut a 5-inch long chape from the proper 1-inch bulk webbing.

(3) Loop the chape through a serviceable dee ring and place the two ends together under the dee ring.

(4) Place the chape, with the dee ring, on the tent with the chape ends down.

(5) Use the proper machine to sew each fold of the chape to the tent with a single-X box stitch.

(6) Install the securing line through the dee ring.

c. Replacement of Loop.

(1) Cut the stitching from the damaged loop (10, fig. 1-1) and remove the loop from the tent and the guy line (9).

(2) Cut a new 8-1/4-inch long loop from the proper bulk webbing with a width of 1 inch. Cut a 4-inch long loop reinforcement from the same bulk webbing.

(3) Measure a distance of 2 1/8 inches from each end of the new loop and mark the measurements. Place the reinforcement on the loop between the two marks and machine sew the loop and reinforcement together with a single-X box stitch.

(4) Put the loop through the eye splice on a serviceable guy line.

NOTE

Be certain the reinforcement is against the eye splice of the guy line.

(5) Move the ends of the loop in place on the tent and machine sew the loop ends to the tent with a reinforcing stitch.

5-5. Reinforcements

a. Replacement of Corner Reinforcements.

(1) Remove the chapes (13, fig. 1-1) with the dee ring (14) from the tent (para. 5-4).

(2) Remove enough of the stitching along the edge of the tent to permit removal of the reinforcement (15).

(3) Remove the stitching from the reinforcement and remove the damaged reinforcement from the tent.

(4) Cut a 29-1/2-inch square from the bulk tent cloth to make the new reinforcement.

(5) Make a diagonal fold in the new reinforcement and put it in place on the tent.

(6) Refold the edge of the tent over the edge of the reinforcement and machine sew the reinforcement along the tent edge and folded side of the reinforcement with a straight stitch.

(7) Machine sew the chapes and the dee ring to the tent (paragraph 5-4).

b. Replacement of Loop Reinforcements.

(1) Remove the chape with the dee ring (11, fig. 1-1) from the tent (para. 5-4).

(2) Remove the loop (10) from the tent (para. 5-4).

(3) Cut enough of the stitching along the edge of the tent to remove the loop reinforcement (12) from the tent.

(4) Cut the loop reinforcement stitching and remove the loop reinforcement from the tent.

(5) Use the bulk tent cloth fabricate a new reinforcement.

(6) Fold the loop reinforcement along the fold lines (fig. 5-1).

(7) Put the loop reinforcement in place on the tent and refold the tent edge over the loop reinforcement.

(8) Machine sew the loop reinforcement along the tent edge with a straight stitch and along the two remaining edges with a double straight stitch.

(9) Machine sew the chape and dee ring to the tent (para. 5-4).

(10) Machine sew the loop to the tent (para. 5-4).

c. Replacement of Center Reinforcements.

(1) Remove the tiedown straps (3, fig. 1-1) from the damaged center reinforcement (6) and from the tent (para. 5-R).

(2) Cut the necessary stitching and remove the center reinforcement from the tent.
(3) Cut a new center reinforcement from the bulk cloth.

NOTE

The new center reinforcement measurements should be 16 feet 1 inch long and 7 inches wide to allow for a 1/2-inch turn under along the four sides.

(4) Place the new center reinforcement on the tent and turn under 1/2 inch along the four sides.

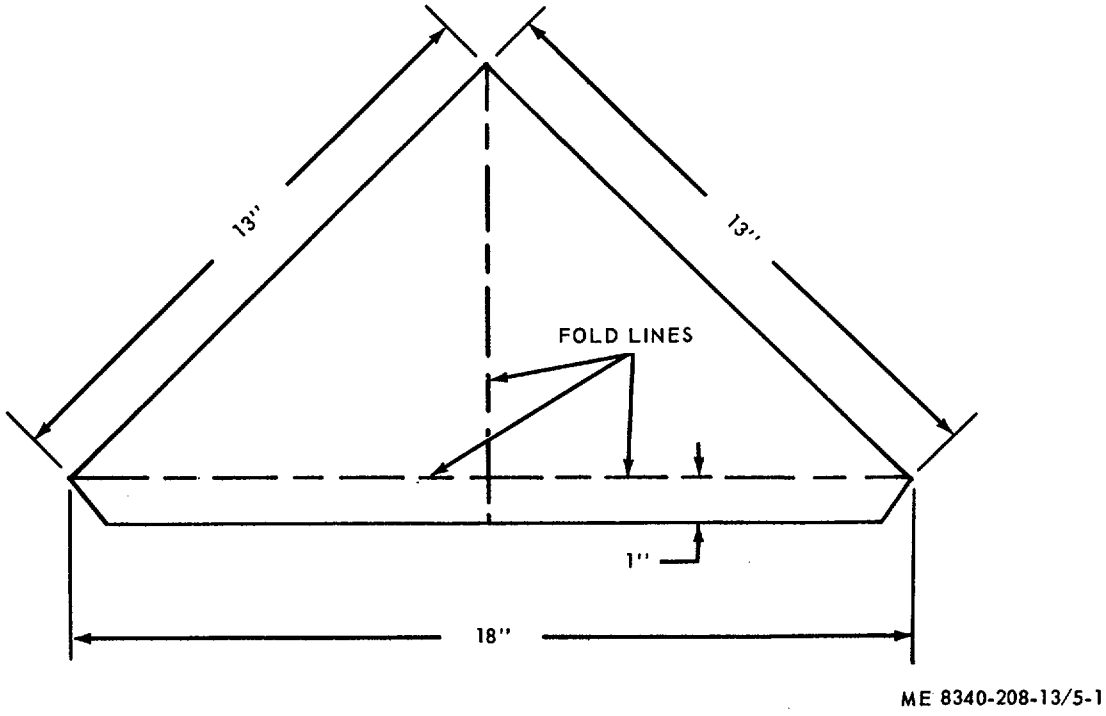


Figure 5-1. Loop reinforcement.

(5) Machine sew the sides of the center reinforcement to 'he tent with a straight stitch.
(6) Install the serviceable tiedown straps which were removed (para. 5-3).

5-6. Fabrication of Tent Securing Lines

a. Remove the tent slips (8, fig. 1-1) from the damaged securing line (7) and remove the securing line from the tent.
b. Cut a 56-foot securing line from the 5/16 inch bulk rope.
c. Install the securing line through the dee rings (11 and 14).
d. End-whip each end of the securing line (TM 10-269).

5-7. Tent

a. Restitching. When any seam on the tent (5, fig. 1-1) has broken stitching, machine sew the entire seam with the same stitch as the old one. (TM 10-269).

b. Machine Patching. Follow the machine patching procedures in TM 10-269 to machine patch holes and rips in the tent.

5-8. Fabrication of Toggle Pin and Chain Assemblies and Eyebolt and Chain Assemblies

a. Ridge Assembly End Toggle Pin and Chain Assemblies.
(1) Cut a 6-inch length of chain from the bulk chain.
(2) Attach one end of the chain to a serviceable toggle pin (4, fig. 2-3) with a serviceable chain hook.

b. Ridge Assembly Center Toggle Pin and Chain Assemblies.
(1) Cut a 1-foot length of chain from the bulk chain.
(2) Attach one end of the chain to a serviceable toggle pin (4, fig. 23) with a serviceable chain hook and install a chain hook in the remaining end of the chain.

c. Leg Assembly Toggle Pin and Chain Assemblies.
(1) Cut a 3-foot length of chain from the bulk chain.
(2) Attach one end of the chain to a serviceable toggle pin (4, fig. 2-2) with a chain hook (5) and install a chain hook on the remaining end of the chain.

d. Brace Eyebolt and Chain Assemblies.
(1) Cut a 6-inch length of chain from the bulk chain.
(2) Attach one end of the chain to the eyebolt (14 fig. 2-2) with a chain hook (5).

e. Spacer Eyebolt and Chain Assemblies.
(1) Cut a 10-foot length of chain from the bulk chain.
(2) Attach one end of the chain to an eyebolt (8, fig. 2-2) with a chain hook (5).
(3) Thread the remaining end of the chain through another eyebolt, and install a chain hook on the remaining end.

5-9. Tent Support Coil Insert

a. Removal.
(1) Place the blade of the extractor into the damaged insert (12, fig. 2-2) and hit the top of the extractor until the blade bites into the insert.
(2) Push on the extractor and rotate it counterclockwise to remove the damaged insert.

b. Cleaning. Remove any chips or foreign matter from the tapped hole.

c. Installation.
(1) Retract the mandrel and place an insert in the chamber with the tang end toward the tip of the inserter.
(2) Advance the mandrel until the mandrel slot fully engages the insert tang.
(3) Rotate the mandrel until it protrudes 1/32 inch from the tip of the inserter.
(4) Hold the inserter firmly and squarely against the hole in the tent support and rotate the mandrel until the top coil of the insert is one-fourth to one-half turn below the top surface of the hole.

CAUTION
Do not push on the mandrel or rotate it to break off the insert tang.

(5) Place the punch end of the breakoff tool inside the installed insert against the insert tang. Strike the top of the breakoff tool with a hammer to break off the tang.
(6) Remove the breakoff tool from the insert.

5-10. Fabrication of Tent Guy Lines and Tent Cover Lines

a. Tent Guy Lines.
(1) Cut a 14-foot length of rope from the 5/16 inch bulk rope.
(2) End-whip one end of the guy line (9, fig. 1-1) by following the procedures in TM 10-269.

(3) Make a 6-inch eye splice in the remaining end of the guy line. (TM 5-725).

b. Tent Cover Lines. Fabricate new tent cover lines (2, fig. 1-4) by following the procedures in a above.

APPENDIX A

REFERENCES

A-1. Painting

TM 9-213	Painting Instructions for Field Use.

A-2. Maintenance

TM 5-725	Rigging.
TM 10-269	General Repair for Canvass and Webbing.
TM 38-750	The Army Maintenance Management System.
TB 750-97-27	Maintenance Expenditure Limits

A-3. Shipment and Storage

TB 740-93-2	Preservation of USAMEC Mechanical Equipment for Shipment and Storage.
TM 740-90-1	Administrative Storage of Equipment.
TM 750-244-3	Procedures for Destruction of Equipment to Prevent Enemy Use.

APPENDIX B

MAINTENANCE ALLOCATION CHART

Section I. INTRODUCTION

B-1. General

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

b. Section II designates overall responsibility for the performance of maintenance functions on the identified end item or component. The implementation of the maintenance functions upon the end item or component will be consistent with the assigned maintenance functions.

c. Section III lists the special tools and test equipment required for each maintenance function as referenced from section II.

d. Section IV contains supplemental instructions, explanatory notes and/or illustrations required for a particular maintenance function.

B-2. Explanation of Columns in Section II

a. Group Number, Column (1). The assembly group is a numerical group assigned to each assembly in a top down breakdown sequence. The applicable assembly groups are listed on the MAC in disassembly sequence beginning with the first assembly removed in a top down disassembly sequence.

b. Functional Group, Column (2). This column contains a brief description of the components of each assembly group.

c. Maintenance Functions, Column (3). This column lists the various maintenance functions (A through K) and indicates the lowest maintenance level authorized to perform these functions. The symbol designations for the various maintenance levels are as follows:

C - Operator or crew
O - Organizational maintenance
F - Direct support maintenance
H - General support maintenance
D - Depot maintenance

The maintenance functions are defined as follows:

A - Inspect: To determine serviceability of an item by comparing its physical, mechanical, and electrical characteristics with established standards.

B - Test: To verify serviceability and to detect electrical or mechanical failure by use of test equipment.

C - Service: To clean, to preserve, to charge, and to add fuel, lubricants, cooling agents, and air. If it is desired that elements, such as painting and lubricating, be defined separately, they may be so listed.

D - Adjust: To rectify to the extent necessary to bring into proper operating range.

E - Align: To adjust specified variable elements of an item to bring to optimum performance.

F - Calibrate: To determine the corrections to be made in the readings of instruments or test equipment used in precise measurement. Consists of the comparison of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared with the certified standard.

G - Install: To set up for use in an operational environment such as an emplacement, site, or vehicle.

H - Replace: To replace unserviceable items with serviceable like items.

I - Repair: Those maintenance operations necessary to restore an item to serviceable condition through correction of material damage or a specific failure. Repair may be accomplished at each level of maintenance.

J - Overhaul: Normally, the highest degree of maintenance performed by the Army in order to minimize time work in process is consistent with quality and economy of operation. It consists of that maintenance necessary to restore an item to completely serviceable condition as prescribed by maintenance standards in technical publications for each item of equipment. Overhaul normally does not return an item to like new, zero mileage, or zero hour condition.

K - Rebuild: The highest degree, of material maintenance. It consists of restoring equipment as nearly as possible to new condition in accordance with original manufacturing standards. Rebuild is performed only when required by operational considerations or other paramount

factors and then only at the depot maintenance category. Rebuild reduces to zero the hours or miles the equipment, or component thereof; has been in use.

d. Tools and Equipment, Column (4). This column is provided for referencing by code the special tools and test equipment, (sec. III) required to perform the maintenance functions (sec. II).

e. Remarks, Column (5). This column is provided for referencing by code the remarks (sec. IV) pertinent to the main-tenance functions.

B-3. Explanation of Columns in Section III

a. Reference Code. This column consists of a number and a letter separated by a dash. The number references the
T and TE requirements column on the MAC. The letter represents the specific maintenance function the item is to be used with. The letter is representative of columns A through K on the MAC.

b. Maintenance Level. This column shows the lowest level of Maintenance authorized to use the special tool or test equipment.

c. Nomenclature. This column lists the name or identification of the tool or test equipment.

d. Tool Number. This column lists the manufacturer's code and part number, or Federal Stock Number of tools and test equipment.

B-4. Explanation of Columns in Section IV

a. Reference Code. This column consists of two letters separated by a dash, both of which are references to section II. The first letter references column (5) and the second letter references a maintenance function, column (3), A through K.

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

Section II. MAINTENANCE ALLOCATION CHART

(1) Group No.	(2) Functional Group	(3) Maintenance functions											(4) Tools and equipment	(5) Remarks
		A Inspect	B Test	C Service	D Adjust	E Align	F Calibrate	G Install	H Replace	I Repair	J Overhaul	K Rebuild		
01	TENT BODY	C		C					O	O				A
02	TENT SUPPORT COMPONENTS	C		C					O	O			1, 2, 3	
03	TENT ANCHORING COMPONENTS	C		C					O	F				B
04	TENT ACCESSORIES	C		C					O	O				C

Section III. SPECIAL TOOL AND SPECIAL TEST EQUIPMENT REQUIREMENTS

(1) Reference Code	(2) Maintenance Level	(3) Nomenclature	(4) Tool Number
1-1	F	Extractor Coil Thread	5120-245-9540
2-1	F	Inserter Coil Thread	5120-244-1718
3-1	F	Breakoff Tool, Tang	5120-544-9172

Section IV. REMARKS

Remarks code	Reference
A-1	Repair by hand sewing and cement patching at Organizational level. Machine sewing at Direct Support level.
B-1	Repair by hand sewing and cement patching at Organizational level. Machine sewing at Direct Support level.

APPENDIX C

BASIC ISSUE ITEMS LIST

Section I. INTRODUCTION

C-1. Scope

This appendix lists items which accompany the Vehicle Maintenance Tent or are required for installation, operation, or operator's maintenance. Repair parts and special tools assigned maintenance code "C" in appendix D, Organizational Maintenance Repair Parts and Special Tools List, may be stocked at the operator level of maintenance when authorized by the Unit Commander.

C-2. General

This Basic Issue Items List is divided into the following sections:

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

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

C-3. Explanation of Columns

The following provides an explanation of columns in the tabular list of Basic Issue Items, Section II.

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

(1) Source code indicates the source for the listed item. Source codes are:

Code	*Explanation*
P	Repair parts, special tools and test equipment supplied from the GSA/DSA, or Army supply system and authorized for use at indicated maintenance levels.

(2) Maintenance code indicates the lowest level of maintenance authorized to install the listed item. The maintenance level code is:

Code	*Explanation*
C	Crew/Operator

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

c. Description. This column indicates the Federal item name and any additional description of the item required. The abbreviation "w/e", when used as a part of the nomenclature, indicates the Federal stock number, includes all armament, equipment, accessories, and repair parts issued with the item. A part number or other reference number is followed by the applicable five-digit Federal supply code for manufacturers in parenthesis. Repair parts quantities included in kits, sets, and assemblies are shown in front of the repair part name.

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

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

f. Quantity Furnished With Equipment. This column indicates the quantity of an item furnished with the equipment.

g. Illustration. This column is divided as follows:

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

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

C-4. Explanation of Columns in the Tabular List of Maintenance and Operating Supplies - Section III

a. Component Application. This column identifies the component application of each maintenance or operating supply item.

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

c. Description. This column indicates the item name and brief description.

d. Quantity Required for Initial Operation. This column indicates the quantity of each maintenance or operating supply item required for initial operation of the equipment.

e. Quantity Required for Eight Hours Operation. This column indicates the estimated quantities required for an average eight hours of operation.

f. Notes. This column indicates informative notes keyed to data appearing in a preceding column.

Section II. BASIC ISSUE ITEMS

(1) SMR Code	(2) Federal stock Number	(3) Description Ref No & mfr code Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) Qty firm with equip	(7) Illustration	
						(A) Fig No.	(B) Item No.
PC	7520-559-9618	CASE: Maintenance and operating manuals DEPARTMENT OF THE ARMY TECHNICAL MANUAL TM 10-8340-208-13	EA		1		

Section III. MAINTENANCE AND OPERATING SUPPLIES

(1) Component application	(2) Federal stock number	(3) Description	(4) Quantity required F / initial operation	(5) Quantity required F / 8 hrs operation	(6) Notes
GENERAL APPLICATION	8010-297-2124	ENAMEL, semi-gloss, olive drab, shade X24087, type II, Fed Spec TT-E-485, 1 gal can	A/R	A/R	
GENERAL APPLICATION	8010-161-7339	PRIMER, COATING, zinc chromate, corrosion inhibiting, Fed Spec TT-P-666, 1 gal can	A/R	A/R	

APPENDIX D

REPAIR PARTS AND SPECIAL TOOLS LISTS

D-1. Scope

This appendix lists repair parts, special tools, test and support equipment required for the performance of organizational and direct support maintenance of the tent vehicle maintenance.

D-2. General

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

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

b. Repair Parts - Section III. A list, in figure and item number sequence, of repair parts authorized at the organizational level for the performance of maintenance, including those items which must be removed for replacement of the authorized item. Items, except kits and sets, are listed by assembly group in top down breakdown sequence.

c. Special Tools, Test and Support Equipment - Section IV. A list of special tools, test and support equipment authorized for the performance of maintenance at the organizational level. (Not Applicable.)

d. Repair Parts - Section V. A list, in figure and item number sequence, of the repair parts authorized for the performance of maintenance at the direct support, level, including those item which must be removed for replacement of the authorized item. Items except kits and sets, are listed by assembly group in top down breakdown sequence.

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

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

NOTE

Items not illustrated are cross-referenced to assembly group number.

D-3. Explanation of Columns

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

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

(1) Source code indicates the source for the listed items. Source Codes are:

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

Code Explanation
by the next higher assembly or component.

X2 Repair Parts, Special Tools and Test Equipment which are not stocked and have no fore-seen mortality. The indicated maintenance category requiring such repair parts will attempt to obtain the parts through cannibalization or salvage, the item may be requisitioned with exception data, from the end item manager, for immediate use.

G Major assemblies that are procured with PEMA funds for initial issue only as exchange assemblies at DSU and GSU level. These assemblies will not be stocked above the DS and GS level or returned to depot supply level.

(2) Maintenance code indicates the lowest level of maintenance authorized to install thelisted item. Repair parts and special tools assigned Maintenance Code "C" may be stocked at the operator level of maintenance when authorized by the Unit Commander. The maintenance level codes are:

Code Explanation

C.....Crew or Operator maintenance
O.....Organizational maintenance
F .....Direct Support maintenance
H.....General Support maintenance
D.....Depot maintenance

(3) Recoverability code indicates whether unserviceable items should be returned for recovery or salvage. Items not coded are expendable. Recoverability codes are:

Code Explanation

R Applied to repair parts, (assemblies or components) special tools and test equipment which are considered economically reparable at direct and general support maintenance levels. When the item is no longer economically reparable, it is normally disposed of at the GS level. When supply considerations dictate, some of these repair parts may be listed for automatic return to supply for depot level repair as set forth in AR 710-50. When so listed, they will be replaced by supply on an exchange basis.

S Repair Parts, Special Tools, Test Equipment and assemblies which are economically re-parable at DSU and GSU activities and which normally are furnished by supply on an exchange basis. When items are determined by a GSU to be uneconomically reparable, they will be evacuated to a depot for evaluation and analysis before final disposition.

T Higher dollar value recoverable repair parts, special tools and test equipment which are subject to special handling and are issued on an exchange basis. Such items will be repaired or overhauled at depot maintenance activities only. No repair may be accomplished at lower levels.

U Repair Parts, Special Tools and Test Equipment specifically selected for salvage by reclamation units because of precious metal content, critical materials, high dollar value or reusable casings or castings.

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

c. Description. Indicates the Federal item name and any additional description of the item required. Assembly components and subassemblies are indented under major assemblies. The abbreviation "w/e" when used as part of the nomenclature, indicates the Federal stock number includes all armament, equipment, accessories, and repair parts issued with the item. A part number or other reference number is followed by the applicable five-digit Federal supply code for manufacturers in parenthesis. Repair parts quantities included in kits and sets are shown in front of the repair part name. Material required for manufacture or fabrication is identified.

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

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

f. Fifteen-Day Organizational Maintenance Allowance.

(1) The allowance columns are divided into four subcolumns. Indicated in each subcolumn opposite the first appearance of each item is the total quantity of the items authorized for the number of equipments supported. Subsequent appearances of the same item will have the letters "REF" in the allowance column, indicating total allowance quantities will be shown with the first appearance of the item. To locate the referenced item, locate the FSN or reference number in the index. The earliest figure and item number is the referenced item. Items authorized for use as required but not for initial stockage are

identified with an asterisk in the allowance column.

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

(3) Organizational units providing maintenance for more than 100 of these equipments shall determine the total quantity of parts required by: First, divide the number of equipments supported by 100 by moving the decimal two spaces left; second, multiply the result by the quantity in the 51-100 density column. Example, authorized allowance for 51-100 equipments is 40; for 150 equipments, multiply 40 by 1.50 or 60 parts required.

(4) Subsequent changes to allowances will be limited as follows: No change in the range of items is authorized. If additional items are considered necessary, recommendations should be forwarded to U. S. Army Mobility Equipment Command for exception or revision to the allowance list. Revision to the range of items authorized will be made by the U.S. Army Mobility Equipment Command based on engineering experience, demand data, or TAERS information.

g. Thirty-Day DS Maintenance Allowances.

(1) The allowance column is divided into three subcolumns. Indicated in each subcolumn, opposite the first appearance of each item, is the total quantity of items authorized for the number of equipments supported. Subsequent appearances of the same item will have the letters "REF" in the applicable allowance column. To locate the referenced item, locate the FSN or reference number in the index. The earliest figure and item number is the referenced item. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

(2) The quantitative allowance for DS level of maintenance will represent initial stockage for a 30-day period for the number of equipments supported.

(3) To determine allowances when supporting more than 100 of these equipments: First, divide the number of equipments supported by 100 by moving the decimal two places left; second, multiply the result by the quantity in the 51 - 100 density column. Example, authorized allowance for 51-100 equipments is 40; for 150 equipments multiply 40 by 1.50 or 50 parts required.

h. One-Year Allowance Per 100 Equipments/Contingency Planning Purposes. This column indicates opposite the first appearance of each item the total quantity required for distribution and contingency planning purposes. Subsequent appearances of the same item will have the letters "REF" in this column. The range of items indicates total quantities of all authorized items required to provide for adequate support of 100 equipments for one year.

i. Illustration. This column is divided as follows:

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

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

D-4. Special Information

a. Repair parts mortality has been based on hours operation per year.

b. Parts which require manufacture or assembly of a category higher than that authorized for installation will indicate in the source column the higher category.

c. The same illustrations are used to illustrate the repair parts and special tools listed in both organizational maintenance section and direct support section.

D-5. How to Locate Repair Parts

a. When the Federal Stock Number or Reference Number is Unknown:

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

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

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

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

b. When the Federal Stock Number or Reference Number is Known:

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

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

c. When the Federal Stock Number or Reference Number is Known and the Repair Part is not Illustrated:

(1) *First.* Using the Index of Federal Stock Numbers and Reference Numbers find the pertinent Federal stock number or reference number in the section titled "Items Not Illustrated" and note the group number. This section is in ascending FSN sequence followed by a list of reference numbers in alpha-numeric sequence cross-referenced to assembly group number.

(2) *Second.* Using the Table of Contents, locate the assembly group number and page number.

(3) *Third*. Using the applicable group number and page number, locate the pertinent stock number or reference number in the Repair Parts Listing. Items which are not illustrated are listed at the end of the assembly group to which they belong.

D-6. Abbreviations

dia ..... diameter (s)
ea ..... each
ft ..... foot (feet)
in ..... inch (es)
id ..... inside diameter (s)
lg ..... long (length)
No. ..... number
od ..... outside diameter (s)
thk ..... thick (ness)
w ..... wide (width)
yd ..... yard
cl ..... coil

D-7. Federal Supply Codes for Manufacturers

18103 ..... Lite Industries Inc
18104 ..... Mathison Magnesium Inc
91767 ..... Heli & Coil Corp
95683 ..... General Stores Supply Office

(1) FEDERAL STOCK NUMBER	(2) DESCRIPTION USABLE ON CODE	(3) 15-DAY ORGANIZATIONAL MAINTENANCE ALLOWANCE (a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100
	SECTION II - PRESCRIBED LOAD ALLOWANCE				
	GROUP 01 - TENT BODY				
8340-205-2759	SLIP, TENT LINE: MAGNESIUM, FLAT, 4 IN. LG, TYPE III, MIL SPEC S-1734			1	1
	GROUP 02 - TENT SUPPORT COMPONENTS				
4030-281-1683	HOOK, CHAIN, St STEEL, GALVANIZED, 3/16 IN. DIA OF WIRE, 1 5/8 IN. INSIDE LG			1	1
5305-044-1201	SCREW, TAPPING, THREAD FORMING: PAN HEAD, SLOTTED, S, CADIMUM OR ZINC PLATED, NO. 12 X 1/2 IN.		1	2	4
5306-072-5453	BOLT, EYE, SHOULDERED: SUPPORT ASSEMBLY BRACE, S, 3/8-16 NC-2A X 7/8 IN. 1 IN. ID, EYE				1
5306-734-7811	BOLT, MACHINE, HEXAGON HEAD, S: CADIMUM OR ZINC PLATED, NO. 10-24 NC-2A X 1 1/2 IN.		1	2	4
5310-413-3398	WASHER, FLAT: BRASS, CADIMUM PLATED, 9/32 IN. ID, 5/8 IN. OD, .072 IN. THK				1
5310-550-4629	NUT, SELF-LOCKING, HEXAGON: S, CADIMUM OR ZINC PLATED, 1/4-20 NC-3B				1
5310-934-9758	NUT, PLAIN, HEXAGON, S: CADIMUM OR ZINC PLATED, NO. 10-24 NC-2B		1	2	4
5315-811-5831	PIN, SPRING, S: CADIMUM OR ZINC PLATED, 3,8 IN. DIA, 1 IN. LG			1	1
	GROUP 03 - TENT ANCHORING COMPONENTS				
8340-261-9751	PIN, TENT: WOOD, 24 IN. LG, TYPE II, MIL SPEC P-2383			1	2
8340-823-7451	PIN, TENT: STEEL, 12 IN. LG, TYPE II, MIL SPEC P-501				1

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NUMBER & MFR CODE / USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW (a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(7) ILLUSTRATION (a) FIG NO.	(b) ITEM NO.
		SECTION III - REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE								
		GROUP 01 - TENT BODY								
P O	8340-082-6583	TENT, VEHICLE MAINTENANCE: COTTON DUCK, OLIVE DRAB, ARMY SHADE NO. 7, MILDEW AND WATER RESISTANT, 9.85 OZ, 26 FT LG, 25 FT 6 IN. W, W/COVER, W/O PINS AND SUPPORT (CA)	EA	1	*	*	*	*	D1	1
P O	5340-297-6833	CLIP, END BALL TYPE: TIE D(ON STRAP, BRASS, 1 IN	EA	12	*	*	*	*	D1	4
MFO		LINE, MANILA, SECURING: 5/16 IN. DIA, 56 FT LG	EA	4					D1	5
P O	5340-297-6833	CLIP			REF	REF	REF	REF		
MFO		LINE, TENT: MANILA, GUY LINE, ONE END W/EYE, ONE END SEWED, 5/16 IN. DIA, 13 FT LG	EA	34					D1	13
P O	8340-205-2759	SLIP, TENT LINE: MAGNESIUM, FLAT,. 4 IN. LG, TYPE III, MIL SPEC S-1734 (CA)	EA	34	*	*	1	1	D1	14
		GROUP 02 - TENT SUPPORT COMPONENTS								
P O	8340-969-8616	SUPPORT, VEHICLE MAINTENANCE TENT: ADJUSTABLE, A-FRAME ASSEMBLY, 5 FT 4 IN. TO 8 FT 8 IN. H, 5 FT TO 8 FT 8 IN. W (CA)	EA	1	*	*	*	*	D2	
P O	8340-073-8784	LEG ASSEMBLY CONSIST OF: 1-CAP, END 1-HINGE ASSEMBLY 2-LEG, LOWER 2-LEG, UPPER 1-LUG, BRACE 2-PLUG, FOOT	EA	2	*	*	*	*	D3	1
P O	5315-222-2107	PIN, TOGGLE: BRASS, 3/8 IN. X 2 1/2 IN. U/O THE FOLLOWING APPLICATIONS 4-LEG ASSEMBLY 4-RIDGE END	EA	8	*	*	*	*	D3	2
P O	5306-072-5452	BOLT, EYE, SHOULDERED: SUPPORT ASSEMBLY LOWER LEG SPACER CHAIN, S, CADIMUM OR ZINC PLATED, 171-20 NC-2A X 2 1/2 IN., 1 IN. ID, EYE	EA	4	*	*	*	*	D3	3
P O	5310-550-4629	NUT, SELF-LOCKING, HEXAGON: S, CADIMUM OR ZINC PLATED, 1/4-20 NC-3B	EA	4	*	*	*	1	D3	1
P O	5310-413-3398	WASHER, FLAT BRASS, CADIMUM PLATED, 9/32 IN. ID, 5/8 IN. OD, .072 IN. THK	EA	4	*	*	*	1		
P O	8340-073-8783	BRACE, SUPPORT ASSEMBLY, ALUMINUM	EA	6	*	*	*	*	D3	5
P O	5315-844-5831	PIN, SPRING S: CADIMUM OR ZINC PLATED, 3/8 IN. DIA, 1 IN. LG	EA	6	*	*	1	1		

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW (a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(7) ILLUSTRATION (a) FIG NO.	(b) ITEM NO.
P O	4030-281-1683	HOOK, CHAIN, S: STEEL, GALVANIZED, 3/16 IN. DIA OF WIRE, 1 5/8 IN. INSIDE LG		EA	24	*	*	1	1		
		U/O THE FOLLOWING APPLICATIONS:									
		4-EYE BOLT AND CHAIN ASSEMBLY, LOWER LEG SPACER								D3	6
		14-TOGGLE PIN AND CHAIN ASSEMBLY								D3	7
		6-EYE BOLT AND CHAIN, SUPPORT BRACE								D4	1
P O	5306-072-5453	BOLT, EYE, SHOULDERED: SUPPORT ASSEMBLY BRACE, S, 3/8-16 NC-2A X 7/8 IN., 1 IN. ID, EYE		EA	4	*	*	*	1	D4	2
P O	8340-073-8785	RIDGE ASSEMBLY CONSIST OF:		EA	1	*	*	*	*	D4	3
		4-EYE BOLT AND CHAIN ASSEMBLY									
		1-RIDGE CENTER									
		2-RIDGE END, W/BRACE BRACKET									
MFO		EYE BOLT AND CHAIN ASSEMBLY: SUPPORT ASSEMBLY LOWER LEG SPACER MANUFACTURE FROM:		EA	2						
P O	5306-072-5452	BOLT				REF	REF	REF	REF		
P O	4030-281-1683	HOOK				REF	REF	REF	REF		
MFO		EYE BOLT AND CHAIN ASSEMBLY: SUPPORT ASSEMBLY BRACE MANUFACTURE FROM:		EA	6						
P O	5306-072-5453	BOLT				REF	REF	REF	REF		
P O	4030-281-1683	HOOK				REF	REF	REF	REF		
P O	5306-734-7811	BOLT, MACHINE, HEXAGON HEAD, S: CADIMUM OR ZINC PLATED, NO. 10-24 NC-2A X 1 1/2 IN.		EA	2	*	1	2	4		
P O	5310-934-9758	NUT, PLAIN, HEXAGON, S: CADIMUM OR ZINC PLATED, NO. 10-24 NC-28		EA	2	*	1	2	4		
P O	5305-044-1201	SCREW, TAPPING, THREAD FORMING: PAN HEAD, SLOTTED, S, CADIMUM OR ZINC PLATED, NO. 12 X 1 1/2 IN.		EA	2	*	1	2	4		
MFO		TOGGLE PIN AND CHAIN ASSEMBLY MANUFACTURE FROM:		EA	8						
P O	4030-281-1683	HOOK				REF	REF	REF	REF		
P O	5315-222-2107	PIN				REF	REF	REF	REF		
		U/O THE FOLLOWING APPLICATIONS:									
		4-LEG ASSEMBLY									
		4- RIDGE END									
P O	5305-044-1201	SCREW, TAPPING, THREAD FORMING: PAN HEAD, SLOTTED, S, CADIMUM OR ZINC PLATED, NO. 12 X 1/2 IN.		EA	2	REF	REF	REF	REF		
		GROUP 03 - TENT ANCHORING COMPONENTS									
P 0	8340-823-7451	PIN, TENT: STEEL, 12 IN. LG, TYPE II, MIL SPEC P-5O1		EA	42	*	*	*	1	D5	1
P O	8340-261-9751	PIN, TENT: WOOD, 24 IN. LG, TYPE II, MIL SPEC P-2383		EA	42	*	*	1	2	D5	2

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW (a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(7) ILLUSTRATION (a) FIG NO.	(b) ITEM NO.
		GROUP 04 - TENT ACCESSORIES									
P O	8340-262-2397	COVER, TENT: COTTON DUCK, OLIVE DRAB, FIRE, MILDEW, WATER AND WEATHER RESISTANT, MIL SPEC T-1712		EA	1	*	*	*	*	D6	1
MFO		LINE, TENT: MANILA, TIE LINE, ONE END W/EYE, ONE END SEWED, 5/16 IN. DIA, 13 FT LG		EA	2					D6	2

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NUMBER & MFR CODE / USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-YR ALW PER 100 EQUIP	(9) ILLUS-TRATION (a) FIG. NO.	(b) ITEM NO.
		SECTION V - REPAIR PARTS FOR DS MAINTENANCE											
		GROUP 01 - TENT BODY											
P O	8340-082-6583	TENT, VEHICLE MAINTENANCE: COTTON DUCK, OLIVE DRAB, ARMY SHADE NO. 7 MILDEW AND WATER RESISTANT, 9.85 OZ, 26 FT LG, 25 FT 6 IN. W, W/COVER, W/O PINS AND SUPPORT (CA)	EA	1	*	*	*				5	D1	1
P F	5340-290-0970	BUCKLE, TIE DOWN STRAP: BRASS, 1 1/32 IN. W	EA	12	*	1	1				12	D1	2
M F		CHAPE, COTTON: A AND B, TENT CORNER DEE RING, 1 1/2 IN. W MANUFACTURE FROM:	EA	8								D1	3
P F	5340-260-1419	RING, DEE	EA	8	*	1	1						
P F	8315-253-6292	TAPE (AS REQUIRED)	YD		1	2	3						
M F		CHAPE, COTTON, TENT SIDE DEE RING, 1 IN. W MANUFACTURE FROM:	EA	18									
P F	5310-260-1414	RING, DEE	EA	48	*	1	1						
P F	8315-253-6290	TAPE (AS REQUIRED)	YD		1	2	3						
P 0	5340-297-6833	CLIP, END BALL TYPE: TIE DOWN STRAP, BRASS, 1 IN.	EA	12	*	1	2				18	D1	4
P F	8305-185-9730	CLOTH, DUCK, COTTON: BASIC FABRIC OF TENT, OLIVE DRAB, 9.85 OZ, 36 IN. W (AS REQUIRED)	YD		1	2	4				48		
MFO		LINE, MANILA, SECURING: 5/16 IN. DIA, 56 FT LG MANUFACTURE FROM:	EA	4								D1	5
MF	4020-231-9005	ROPE (AS REQUIRED)	CL		*	*	1						
M F		LOOP, COTTON TENT GUY LINE: 1 IN. W MANUFACTURE FROM:	EA	30								D1	6
P F	8305-263-2477	WEBBING (AS REQUIRED)	YD		1	2	4						
M F		REINFORCEMENT, COTTON MANUFACTURE FROM:	EA	41									
P F	8305-185-9730	CLOTH U/O THE FOLLOWING APPLICATIONS:30-GUY LINE LOOPS			REF	REF	REF					D1	7
		7-TENT CENTERS										D1	8
		4-TENT CORNERS											
M F		REINFORCEMENT, COTTON: 1 IN.W MANUFACTURE FROM:	EA	12									
P F	8305-263-2477	WEBBING U/O THE FOLLOWING APPLICATIONS:30-GUY LINE LOOPS			REF	REF	REF						
		12-TIE DOWN STRAPS										D1	9
P F	534O-260-1419	RING, DEE: TENT CORNER CHAPES A AND B, BRASS OR BRONZE, 1 1/2 IN. X 1 1/2 IN.	EA	4	REF	REF	REF				REF	D1	10
P F	5340-260-1414	RING, DEE: TENT SECURING, BRASS OR BRONZE, I IN. X .75 IN.	SPK	48 REF	REF	REF	REF					D1	11
P F	4020-231-9005	ROPE, MANILA: 5/16 IN. DIA (AS REQUIRED)	CL		REF	REF	REF				REF		

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NUMBER & MFR CODE / USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-YR ALW PER 100 EQUIP	(9) ILLUS-TRATION (a) FIG. NO.	(b) ITEM NO.
M F		STRAP, TIE DOWN COTTON: TENT SECURING, 1 IN. W MANUFACTURE FROM	EA	12								D1	12
P F	5340-290-0970	BUCKLE			REF	REF	REF						
P F	5340-297-6833	CLIP			REF	REF	REF						
P F	8305-263-2477	WEBBING			REF	REF	REF						
P F	8315-253-6290	TAPE, TEXTILE, COTTON, OLIVE DRAB: 1 IN. W (AS REQUIRED)	YD		REF	REF	REF				REF		
P F	8315-253-6292	TAPE, TEXTILE, COTTON, OLIVE DRAB: 1 1/2 IN. W (AS REQUIRED)	YD		REF	REF	REF				REF		
P F	8310-988-1300	THREAD, POLYESTER, OLIVE DRAB: TICKET NO. FF (AS REQUIRED)	TU		1	1	2				24		
P F	8310-988-1301	THREAD, POLYESTER, OLIVE DRAB TICKET NO. FF (AS REQUIRED)	TU		1	1	2				24		
P F	8305-263-2477	WEBBING, TEXTILE, COTTON, OLIVE DRAB: 1 IN. W (AS REQUIRED)	YD		REF	REF	REF				REF		
MFO		LINE, TENT: MANILA, GUY LINE, ONE END W/EYE, ONE END SEWED, 5/16 IN. DIA, 13 FT LG MANUFACTURE FROM:	EA	34								D1	13
P F	4020-281-9005	ROPE			REF	REF	REF						
P O	8340-205-2759	SLIP, TENT LINE: MAGNESIUM, FLAT, 3 IN. LG, TYPE III, MIL SPEC (CA)	EA	34	1	1	3				30		
		GROUP 02 - TENT SUPPORT COMPONENTS											
P O	8340-969-9616	SUPPORT, VEHICLE MAINTENANCE TENT: ADJUSTABLE, A-FRAME ASSEMBLY, 5 FT 4 IN. TO 8 FT 8 IN. H, 5 FT TO 8 FT 8 IN. W (CA)	EA	1	*	*	*				5		
P O	8340-073-8784	LEG ASSEMBLY CONSIST OF: 1-CAP, END 1-HINGE ASSEMBLY 2-LEG, LOWER 2-LIG, UPPER 1-LUG, BRACE 2-PLUG, FOOT	EA	2	*	*	1				11	D3	1
P O	5315-222-2107	PIN, TOGGLE: BRASS, 3/8 IN. X 2 1/2 IN. U/O THE FOLLOWING APPLICATIONS: 4-LEG ASSEMBLY 4-RIDGE END	EA	8	*	*	1				11	D3	2
P O	5306-072-5452	BOLT, EYE, SHOULDERED SUPPORT: ASSEMBLY LOWER LEG SPACER CHAIN, S, CADIMUM OR ZINC PLATED, 17-20 NC-2A X 2 1/2 IN., 1 IN. ID, EYE	EA	4	*	*	1	11	D3	3			

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NUMBER & MFG CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) ILLUS-TRATION (a) FIG. NO.	(b) ITEM NO.
P O	5310-550-4629	NUT, SELF-LOCKING, HEXAGON: S, CADMIUM OR ZINC PLATED, 1/4-20 NC-36		EA	4	*	1	2				18	D3	4
P O	5310-413-3398	WASHER, FLAT: BRASS, PLATED CADMIUM 9/32 IN., ID, 5/8 IN., OD, .072 IN. THK		EA	4	*	1	2				18		
P O	8340-073-8783	BRACE, SUPPORT ASSEMBLY, ALUMINUM		EA	6	*	*	1				11	03	5
P O	5315-844-5831	PIN, SPRING ,S: CADMIUM OR ZINC PLATED, 3/8 IN. DIA, 1 IN. LG		EA	6	1	1	2				24		
P O	4030-281-1683	HOOK, CHAIN, S: STEEL, GALVANIZED, 3/16 IN. DIA OF WIRE, 1-5/8 IN. INSIDE LG U/O ON THE FOLLOWING APPLICATIONS:		EA	24	1	1	3				36		
		4-EYE BOLT AND CHAIN ASSEMBLY, LOWER LEG SPACER											D3	6
		14-TOGGLE PIN AND CHAIN ASSEMBLY											D3	7
		6-EYE BOLT AND CHAIN, SUPPORT BRACE											D4	1
P O	5306-072-5153	BOLT, EYE, SHOULDERED: SUPPORT ASSEMBLY BRACE, 5, 3/8-16 NC-2A X 7/8 IN., 1 IN. ID, EYE		EA	4	*	1	1				12	D4	2
P O	8340-073-8785	RIDGE ASSEMBLY		EA	1	*	*	*				5	D4	3
		CONSIST OF:												
		4-EYE BOLT AND CHAIN ASSEMBLY												
		1-RIDGE CENTER												
		2-RIDGE END, W/BRACE BRACKET												
P F	4010-221-0738	CHAIN, WELDED: TWIST LINK, STEEL, GALVANIZED (AS REQUIRED)		FT		2	5	10				114		
MFO		EYE BOLT AND CHAIN ASSEMBLY: SUPPORT ASSEMBLY LOWER LEG SPACER MANUFACTURE FROM		EA	2									
P O	5306-072-5452	BOLT				REF	REF	REF						
P O	4030-281-1683	HOOK				REF	REF	REF						
P F	4010-221-0738	CHAIN				REF	REF	REF						
MFO		EYE BOLT AND CHAIN ASSEMBLY: SUPPORT ASSEMBLY BRACE MANUFACTURE FROM		EA	6									
P O	5306-072-5453	BOLT				REF	REF	REF						
P F	4010-221-0738	CHAIN				REF	REF	REF						
P O	4030-281-1683	HOOK				REF	REF	REF						
P O	5306-734-7811	BOLT, MACHINE, HEXAGON HEAD, S: CADMIUM OR ZINC PLATED, NO. 10-2- A X 1 1/2 IN.		EA	2	2	4	8				90		
P O	5310-934-9758	NUT, PLAIN, HEXAGON, S: CADMIUM OR ZINC PLATED, NO. 10-21 NC-2B		EA	2	2	4	8				90		
P O	-5305-044-1201	SCREW, TAPPING, THREAD FORMING PAN HEAD, SLOTTED, S, CADMIUM OR ZINC PLATED, NO. 12 X 1 1/2 IN.		EA	2	2	2	8				90		
P F	5340-290-4518	INSERT, SCREW THREAD: 3/8-16 NC-2B		EA	6	1	2	4				48		
MFO		TOGGLE PIN AND CHAIN ASSEMBLY MANUFACTURE FROM:		EA	8									
P F	4010-221-0738	CHAIN				REF	REF	REF						
P O	4030-281-1683	HOOK				REF	REF	REF						

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NUMBER & MFG CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) ILLUS-TRATION (a) FIG. NO.	(b) ITEM NO.
P O	5315-222-2107	PIN U/O THE FOLLOWING APPLICATIONS: 4-LEG ASSEMBLY 4- RIDGE END				REF	REF	REF						
P O	5305-044-1201	SCREW, TAPPING, THREAD FORMING: PAN HEAD, SLOTTED, S, CADMIUM OR ZINC PLATED, NO. 12 X 1/2 IN. GROUP 03 -TENT ANCHORING COMPONENTS		EA	2	REF	REF	REF						
P O	8340-823-7451	PIN, TENT: STEEL, 12 IN. LG. TYPE II, NIL SPEC P-501		EA	42	*	1	2					D5	1
P O	8340-261-9751	PIN, TENT: WOOD, 24 IN. LG TYPE II, NIL SPEC P-2383 GROUP 04 -TENT ACCESSORIES		EA	42	1	2	3				36	D5	2
P 0	8340-262-2397	COVER, TENT: COTTON DUCK, OLIVE DRAB, FIRE, MILDEW, WATER AND WEATHER RESISTANT, NIL SPEC T-1712		EA	1	*	*	*				5	D6	1
P F	8305-170-3903	CLOTH, DUCK, COTTON: BASIC FABRIC OF COVER, OLIVE DRAB, 12.39 OZ; 29 1/2 IN. w (AS REQUIRED)		YD		1	3	6				66		
MFO		LINE, TENT: MANILA, TIE LINE, ONE END W/EYE, ONE END SEWED, 5/16 IN. DIA, 13 FT LG MANUFACTURE FROM;		EA	2								D6	2
P F	4020-231-9005	ROPE		CL		REF	REF	REF						
P F	5325-231-6622	GROMMET, METALLIC: BRASS, NO. 4		EA	4	1	2	4				48	D6	3

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REF NUMBER & MFG CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-YR ALW PER 100 EQUIP CNTGY	(9) ILLUS-TRATION (a) FIG. NO.	(b) ITEM NO.
		SECTION VI - SPECIAL TOOLS, TEST AND SUPPORT EQUIPMENT FOR DS MAINTENANCE GROUP 05 - SPECIAL TOOLS												
P F	5120-544-9172	BREAK OFF TOOL. TANG: MANUAL, 3/8-16 NC		EA	1	*	*	*				5	D7	1
P F	5120-245-9540	EXTRACTOR, COIL, THREAD INSERT: NO. 8 TO 3/8 IN. DIA, MIL SPEC T-21309		EA	1	*	*	*				5	D7	2
P F	5120-244-1718	INSERTER, COIL THREAD INSERT: PREWINDING TYPE, 3/8-16 NC, MIL SPEC T-21309		EA	1	*	*	*				5	D7	3

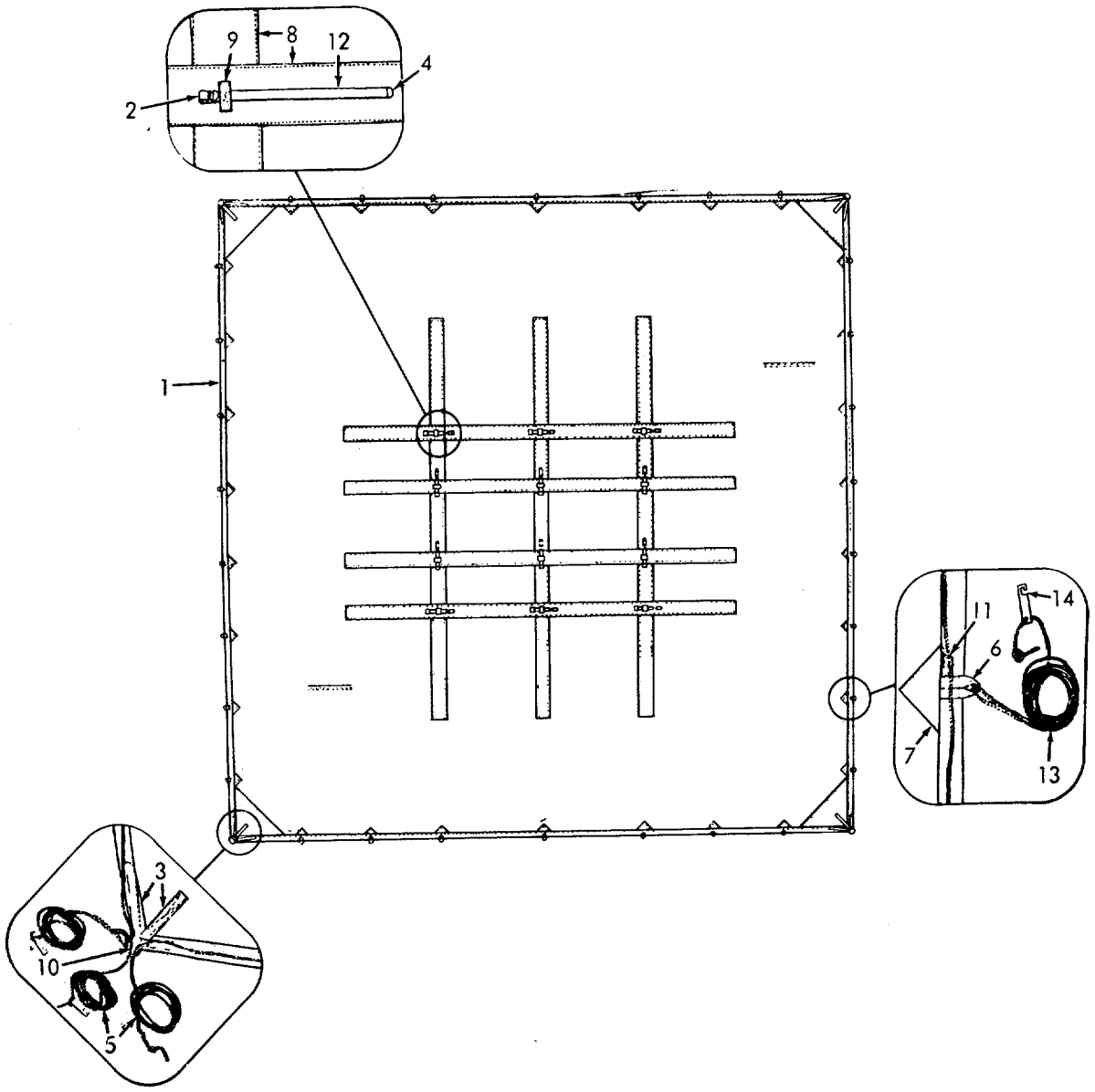


Figure D-1. Tent Vehicle Maintenance.

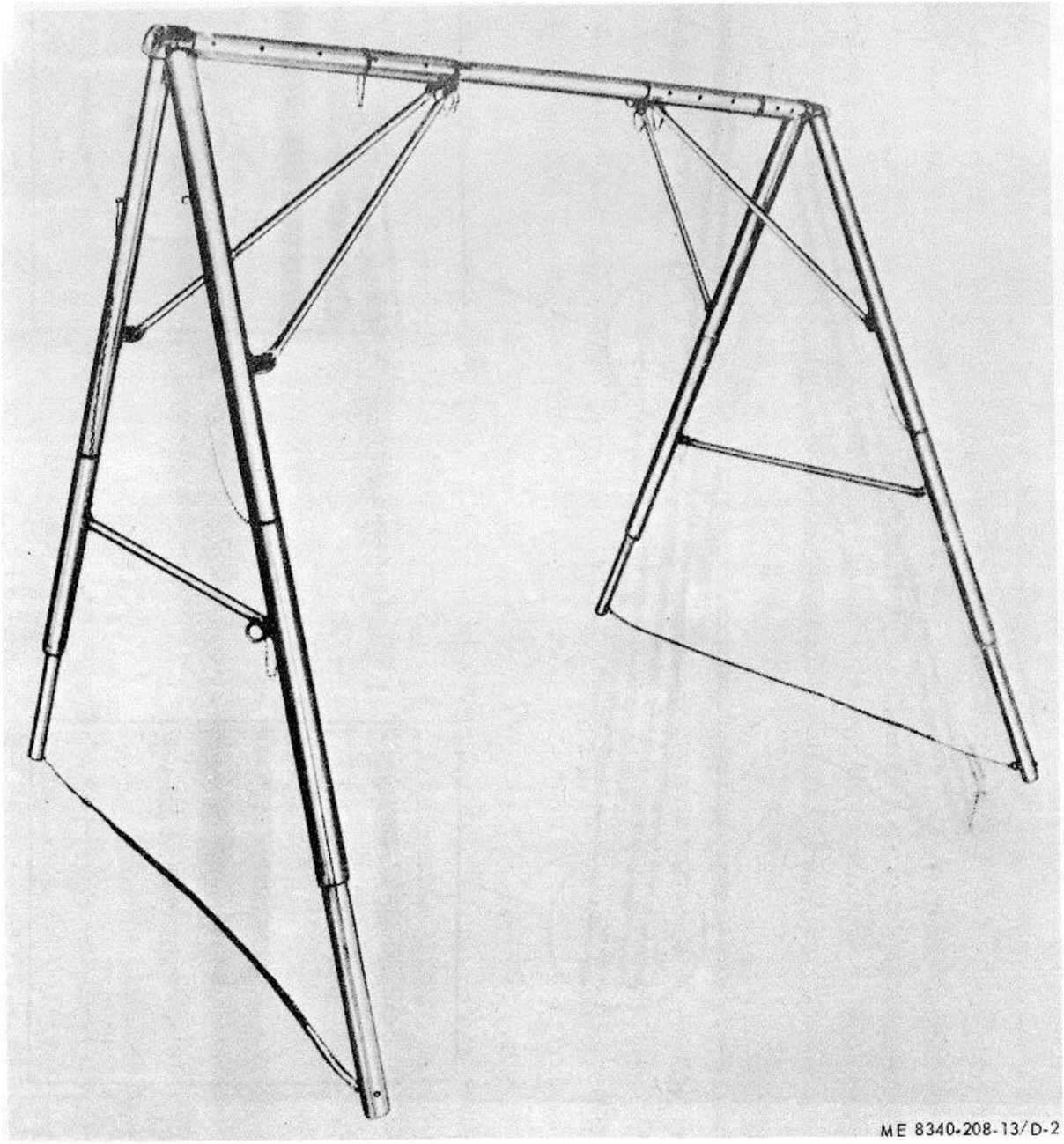


Figure D-2. Support Vehicle Maintenance.

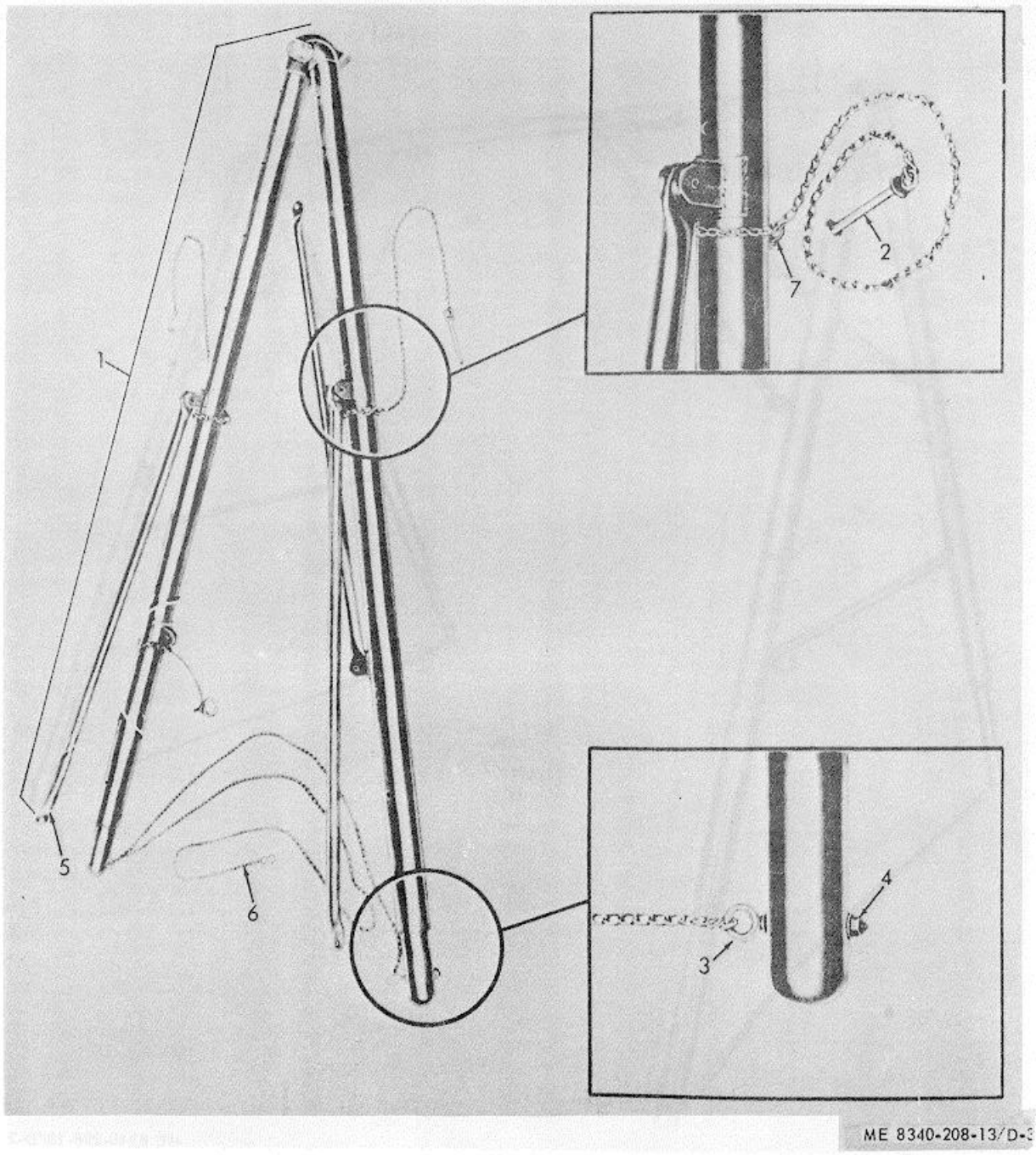


Figure D-3. Leg.

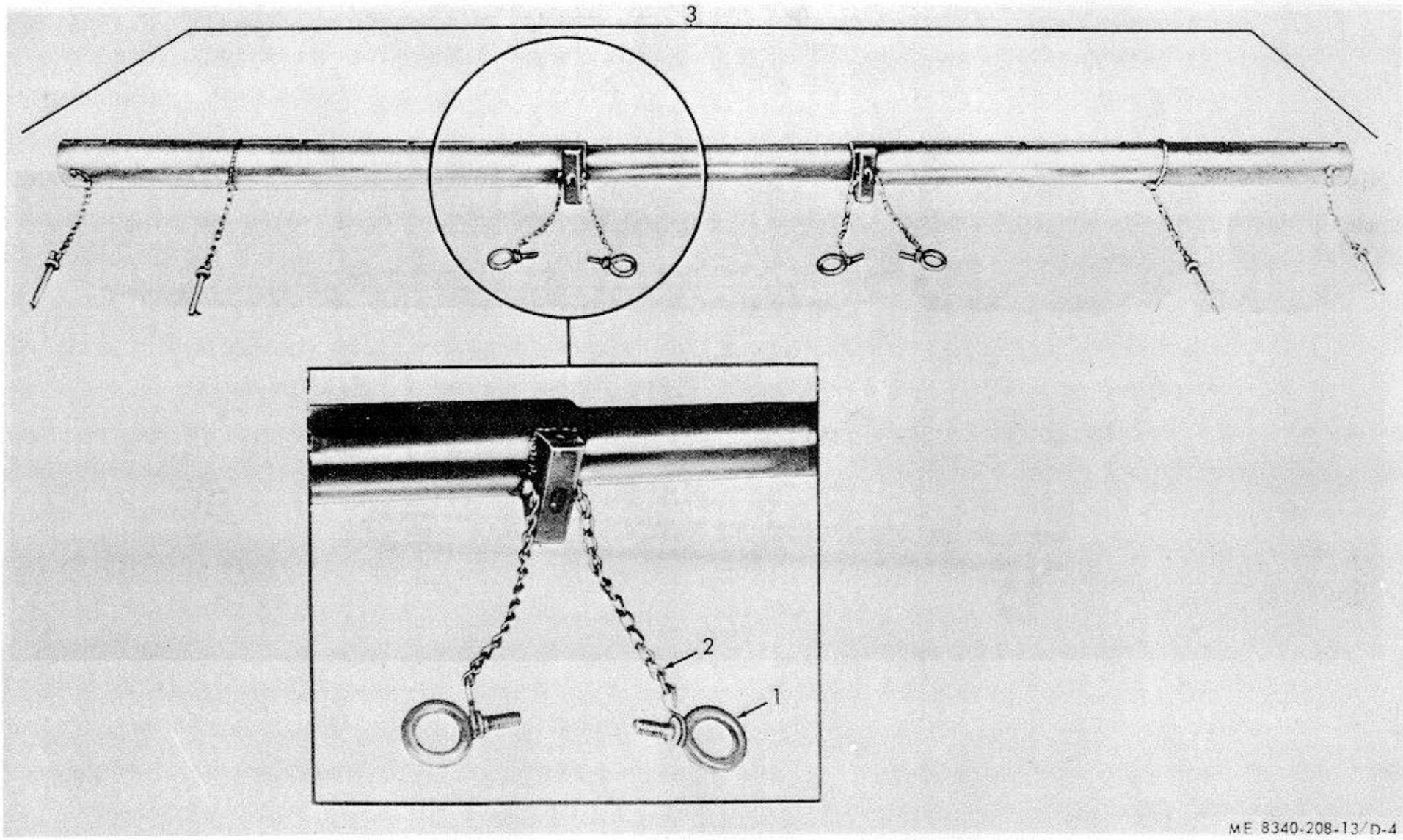


Figure D-4. Ridge.

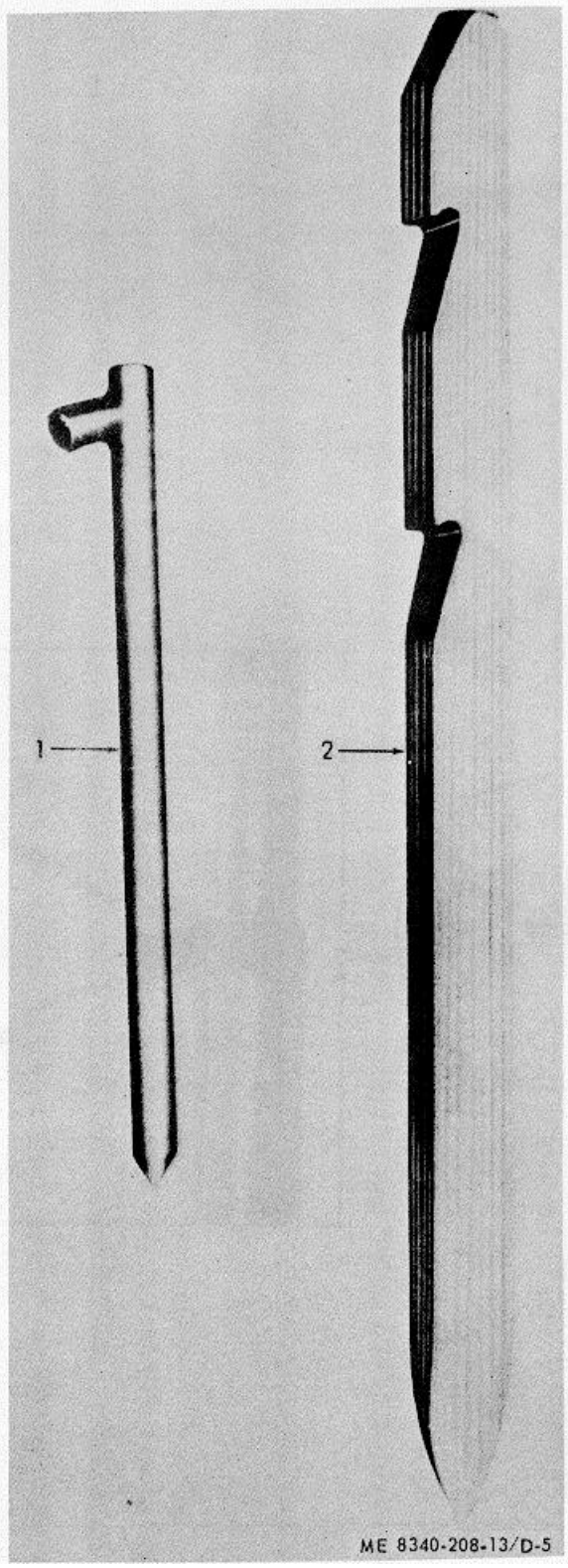


Figure D-5. Tent Pins.

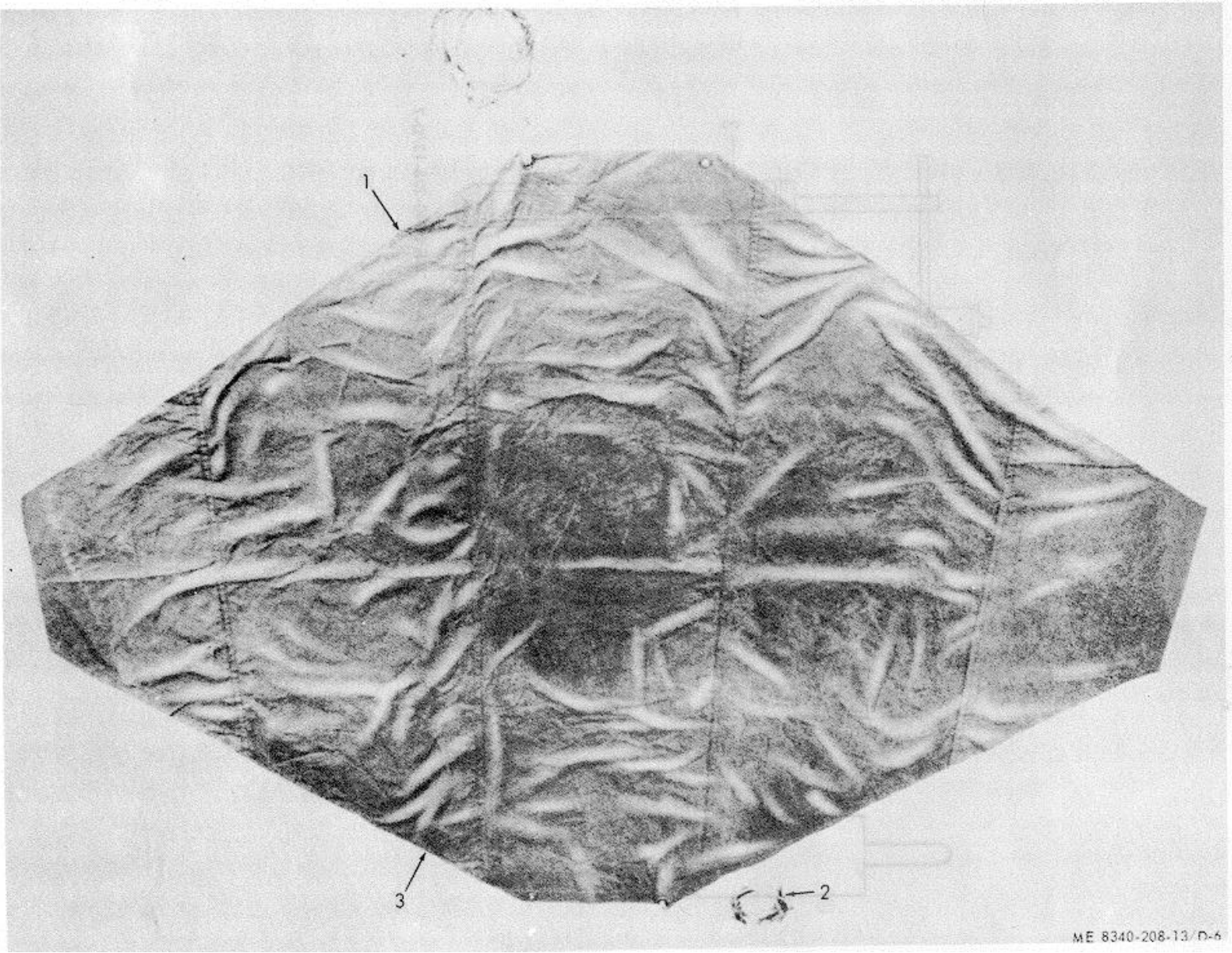


Figure D-6. Tent Cover.

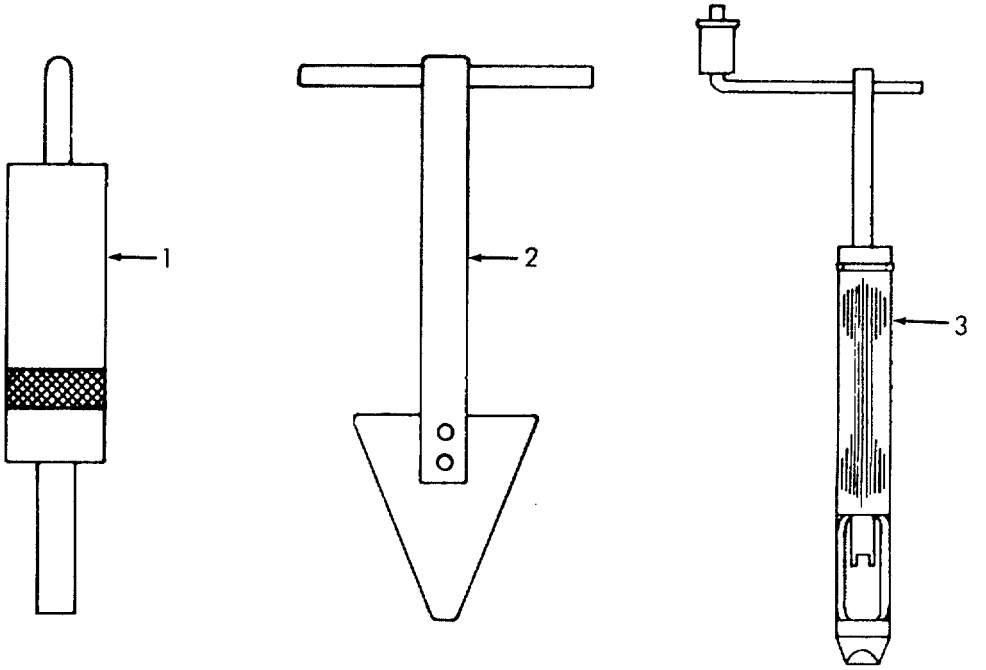


Figure D-7. Special Tools.

Section VII. INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER

CROSS-REFERENCE TO FIGURE AND ITEM NUMBER

STOCK NUMBER	FIG No.	ITEM No.	STOCK NUMBER	FIG No.	ITEM No.
5120-244-1718	D7	3	5340-297-6833	D1	4
5120-245-9540	D7	2	8340-073-8783	D3	5
5120-544-9172	D7	1	8340-073-8784	D3	1
5306-072-5452	D3	3	8340-073-8785	D4	3
5306-072-5453	D4	2	8340-082-6583	D1	1
5310-550-4629	D3	4	8340-205-2759	D1	14
5325-231-6622	D6	3	8340-261-9751	D5	2
5340-260-1414	D1	11	8340-262-2397	D6	1
5340-260-1419	D1	10	8340-823-7451	D5	1
5340-290-0970	D1	2	8340-969-8616	D2	

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