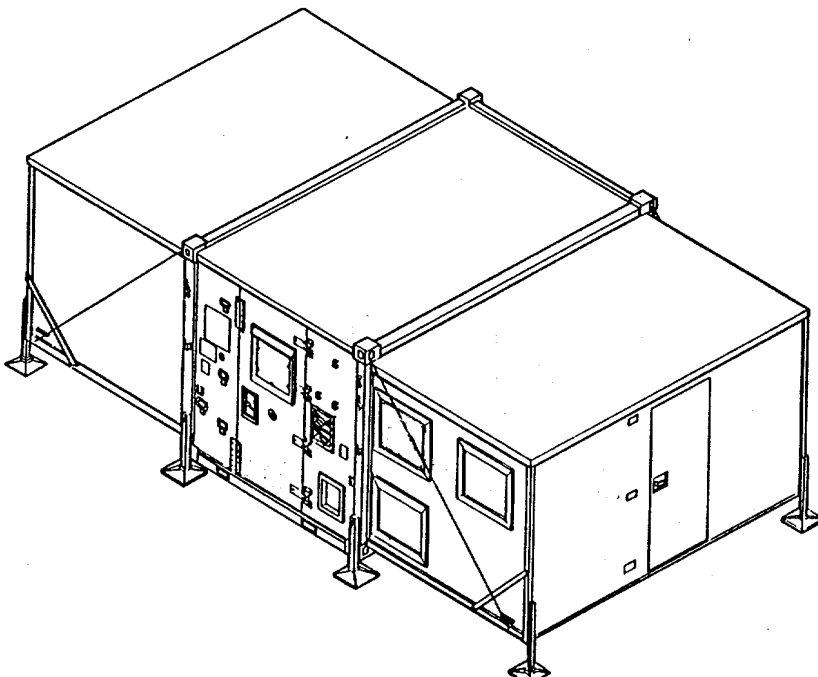


TECHNICAL MANUAL

**OPERATOR'S, UNIT AND
DIRECT SUPPORT
MAINTENANCE MANUAL INCLUDING
REPAIR PARTS AND SPECIAL TOOLS LIST**

**MODULAR PRINTING SYSTEM
MODULE C
FINISHING SECTION**

(NSN 3610-01-279-5657)



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CHANGE

NO. 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 10 December 1991

**Operator's, Unit and Direct Support Maintenance Manual
(Including Repair Parts and Special Tools List)
for
MODULAR PRINTING SYSTEM, MODULE C, FINISHING SECTION
(NSN: 3610-01-279-5657)**

Approved for public release; distribution is unlimited.

TM 5-3610-294-13&P, dated 22 August 1990, is changed as follows:

1. Remove and insert pages as indicated below. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand. Appendix F, Unit and Direct Support Maintenance (Including Depot Maintenance) Repair Parts and Special Tools List (RPSTL), Sections II through IV, have been revised to incorporate 100% National Stock Number assignment. Because entire sections are revised, no change bars/hands are used in Appendix F.

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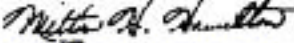
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WARNINGS

HIGH VOLTAGE

exists in the electrical system of this equipment

DEATH ON CONTACT

may result if personnel fail to observe safety precautions.

Before performing continuity checks or replacing electrical components, make sure that electrical power is completely disconnected from the circuit involved.

In the event of fluorescent lamp breakage, care must be taken in the removal of broken glass fragments and white phosphorous dust. Inhalation of phosphorous dust could cause dangerous injury.

In extreme cold, do not touch metal parts with bare hands. Severe skin damage may result.

Safety goggles must be worn by personnel when drilling metal with an electric drill to prevent serious eye injury from flying metal fragments.

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TECHNICAL MANUAL
 NO. 5-3610-294-13&P

HEADQUARTERS
 DEPARTMENT OF THE ARMY
 WASHINGTON, D.C. 22 August 1990

OPERATOR'S, UNIT AND DIRECT SUPPORT
 MAINTENANCE MANUAL
 INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST
 FOR
 MODULAR PRINTING SYSTEM, MODULE C, FINISHING SECTION

(NSN: 3610-01-279-5657)

Approved for public release: Distribution is unlimited.
 Current as of date is 28 July 1990

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms) or DA Form 2028-2 located in the back of this manual directly to: Commander, U.S. Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished to you.

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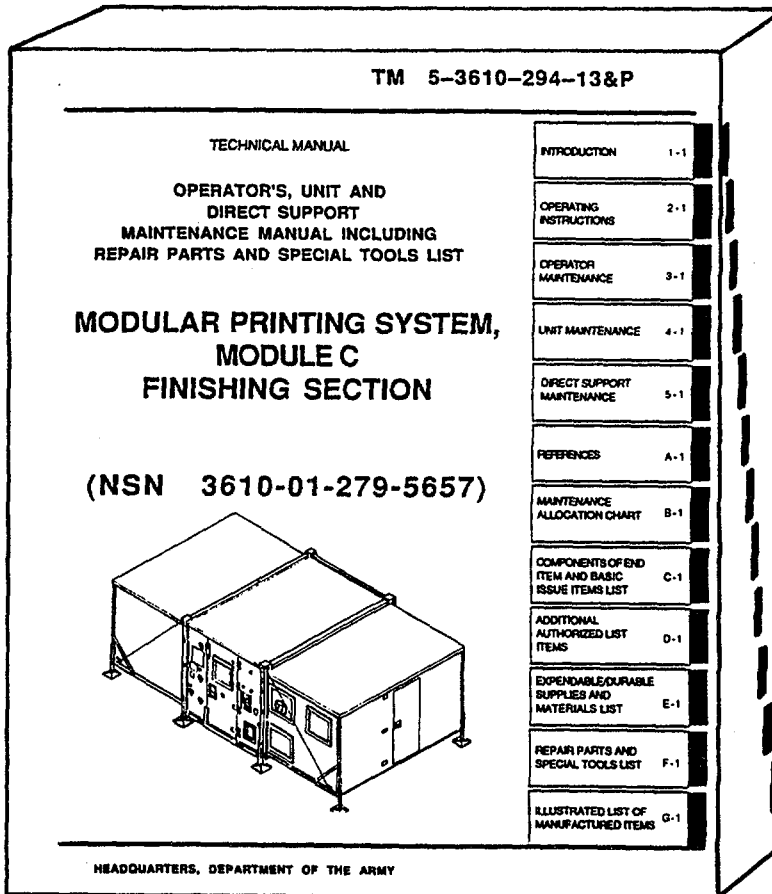
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HOW TO USE THIS MANUAL

This manual is used by the Army for operation and maintenance of the Finishing Section, Module C. Use front cover index and black tabs at the edge to quickly find the chapters, appendices and index of the manual.



This manual is divided into chapters, sections, and paragraphs which are numbered in sequence. Pages and paragraphs are numbered by chapters. For example: Chapter 2, page 3 is marked 2- 3; Chapter 3, paragraph 5 is marked 3-5.

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CHAPTER 1. INTRODUCTION

SECTION I. GENERAL INFORMATION

1-1. SCOPE.

a. Type of Manual. Operating instructions, Unit and Direct Support maintenance.

b. Model Number and Equipment Name. Model Number - None assigned.. Modular Printing System (MPS), Module C, Finishing Section of the Army Special Warfare Modular Printing System, hereafter referred to as the Finishing Section.

c. Purpose of Equipment. The Finishing Section receives uncut sheets of printed matter from the MPS Press Section (Module B) or the MPS Photomechanical/Editorial Shelter (Module A). The purpose of the Finishing Section is to trim, cut, roll and package the sheets of printed matter into separate leaflets for transport to the various distribution areas. The Finishing Section greatly expands the production capability of Army Psychological Operations (PSYOP) units through use of its' fully automated, industrial grade paper cutting equipment. The Finishing Section also includes a Flip-top Platemaker used to expose various types of light sensitive material and a Light Table for working with negatives and copy for paste-up, stripping, and registration work. Refer to Figure 1-1 for a layout of the Modular Printing System.

d. Supplementing Manuals. The following manuals contain operating and maintenance instructions for other components of the MPS.

- (1) TM 5-3610-295-13&P Printing Plant, Light Weight (Module A)
- (2) TM 5-3610-293-13&P Press Section (Module B)
- (3) TM 5-4120-395-14&P Air Conditioner Unit, 24,000 BTUH
- (4) TM 5-4120-396-14&P Air Conditioner Unit, 36,000 BTUH
- (5) TM 5-3610-305-12&P Platemaker, Flip-top

1-2. MAINTENANCE FORMS AND RECORDS. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pamphlet 738-750, The Army Maintenance Management System (TAMMS).

1-3. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR's). If your Finishing Section needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF 368 (Product Quality Deficiency Report). Mail it to us at U.S. Army Troop Support Command, ATTN: AMSTR-MOF, 4300 Goodfellow Blvd., St. Louis, MO 63120. We'll send you a reply.

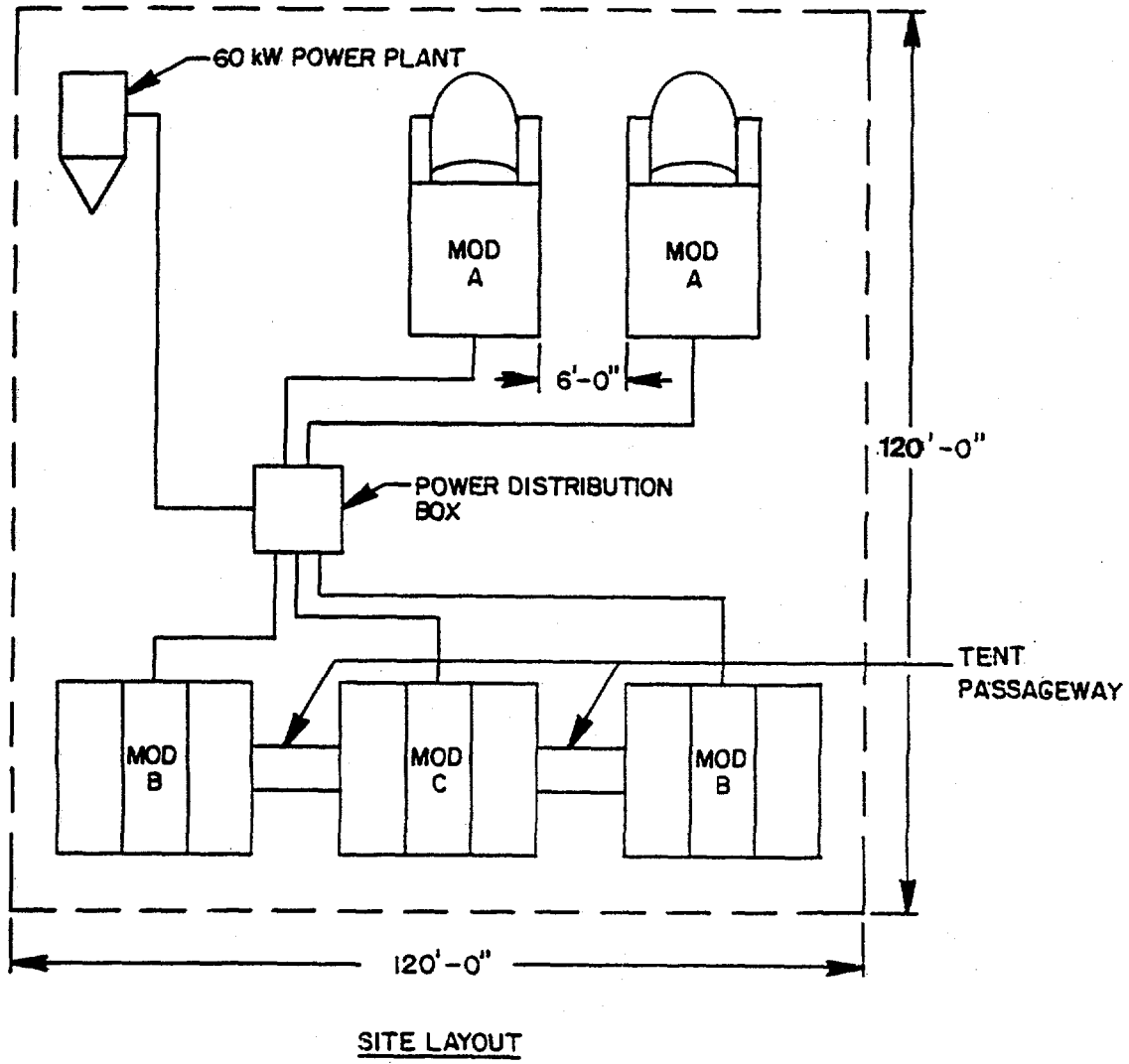


Figure 1-1. Modular Printing System (MPS)

1-4. **WARRANTY INFORMATION.** None required. Refer to individual component manuals for warranty information.

1-5. **DESTRUCTION OF ARMY MATERIAL TO PREVENT ENEMY USE.** For destruction procedures for material, refer to TM750-244-3.

1-6. **PREPARATION FOR STORAGE OR SHIPMENT.** Refer to Chapter 2, Section III for instructions on preparation of equipment for storage or shipment.

1-7. **DEPOT MAINTENANCE.** Depot maintenance for the Modular Print System is performed by a specially trained depot team. Requests for depot maintenance should be forwarded to the U.S. Army Troop Support Command, Directorate for Maintenance, ATTN: AMSTR-MPD, 4300 Goodfellow Boulevard, St. Louis, Missouri 63210-1798, AUTOVON 6939413 or commercial (314) 263-9413.

1-8. **LIST OF ABBREVIATIONS.**

A

AAL Additional Authorized List

B

BII Basic Issue Item

C

COEI Component of End Item

E

EIR Equipment Improvement Report

I

IPH Impressions Per Hour
ISO International Standardization
Organization

1-8. LIST OF ABBREVIATIONS. - Continued

M

| | |
|-----|------------------------------|
| MAC | Maintenance Allocation Chart |
| MPS | Modular Printing System |

N

| | |
|-----|-----------------------|
| NSN | National Stock Number |
|-----|-----------------------|

P

| | |
|--------|--|
| PMCS | Preventive Maintenance Checks and Services |
| PSYOPS | Psychological Operations |

R

| | |
|-------|-------------------------------------|
| RPSTL | Repair Parts and Special Tools List |
|-------|-------------------------------------|

S

| | |
|-----|-----------------|
| SPH | Sheets Per Hour |
|-----|-----------------|

SECTION II. EQUIPMENT DESCRIPTION AND DATA**1-9. EQUIPMENT CHARACTERISTICS, CAPABILITIES AND FEATURES.**

a. Equipment Characteristics. The Finishing Section is housed in a tactical, two- sided expandable shelter. All equipment, including the Power Distribution Box and Adjoining Corridor, is designed to be stored in the center section of the shelter for storage or transport. The Finishing Section is a vehicular transportable reproduction/finishing facility used in conjunction with Modules A and B of the Modular Printing System.

b. Equipment Capabilities. The Finishing Section provides Army Psychological Operations (PSYOPS) battalions bindery (trim, cut, roll and package) of propaganda material for delivery to dissemination points. It is heated and air conditioned, and can operate 24 hours a day in all weather conditions.

c. Equipment Features. The Finishing Section contains an electronic paper cutter, two air conditioners, light table, flip-top platemaker, tables, and specially designed paper carrying and storage carts. It also contains overhead fluorescent lighting and specially designed air conditioning duct work for temperature control.

1-10. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS. Left and right orientation is determined by facing the ISO shelter personnel door from the outside. Paragraph numbers below correspond to callouts in Figures 1-2 through 1-4. All equipment is located in its operational position.

a. Outside Front View of Shelter. Refer to Figure 1-2 for location of major components.

(1) Personnel Door - Provides means for entering the shelter.

(2) Blackout Button - When depressed, sounds buzzer. Used only during blackout conditions.

1-10. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS. - Continued

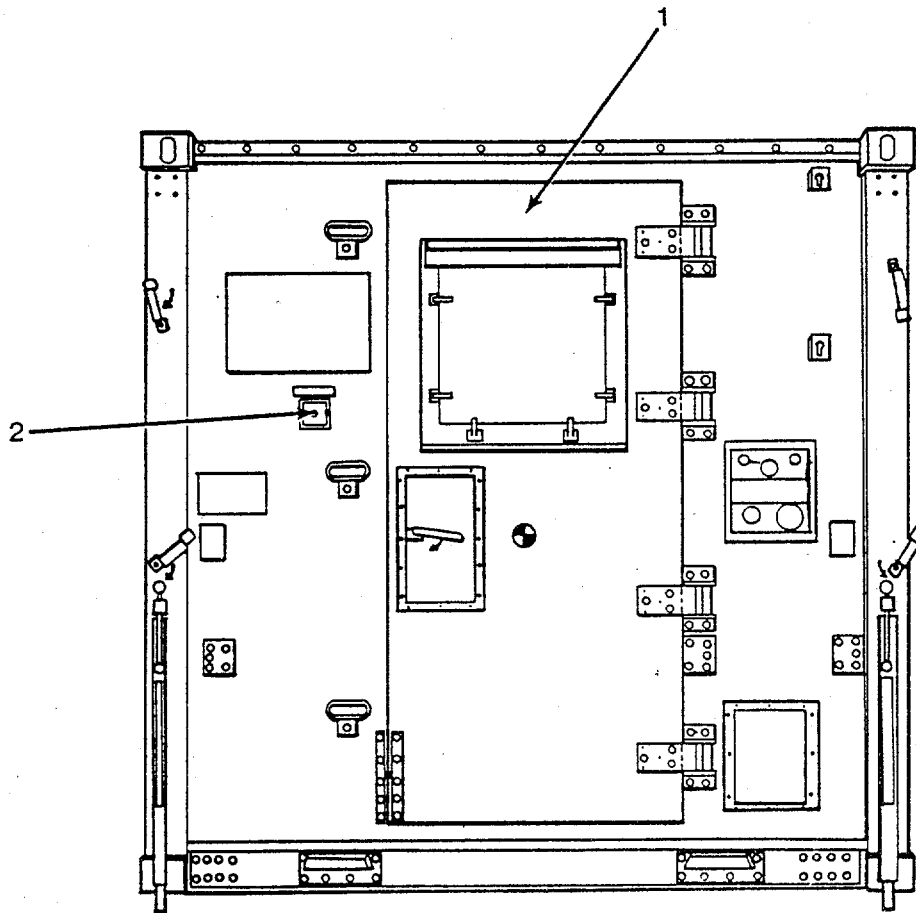


Figure 1-2. Outside Front View of Finishing Section

b. Outside Rear View of Shelter. Refer to Figure 1-3 for location of major components.

(1) Cargo Doors - Provides access to air conditioning units.

(2) Air Conditioner Vents - Provides fresh air circulation for air conditioners. Must be opened for operation and for transport by aircraft.

c. Interior View of Finishing Section. Refer to Figure 1-4 for location of major components.

(1) Wall Storage Cabinet - Standard 2-door storage cabinet with one shelf. The shelter contains four storage cabinets.

1-10. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS. - Continued

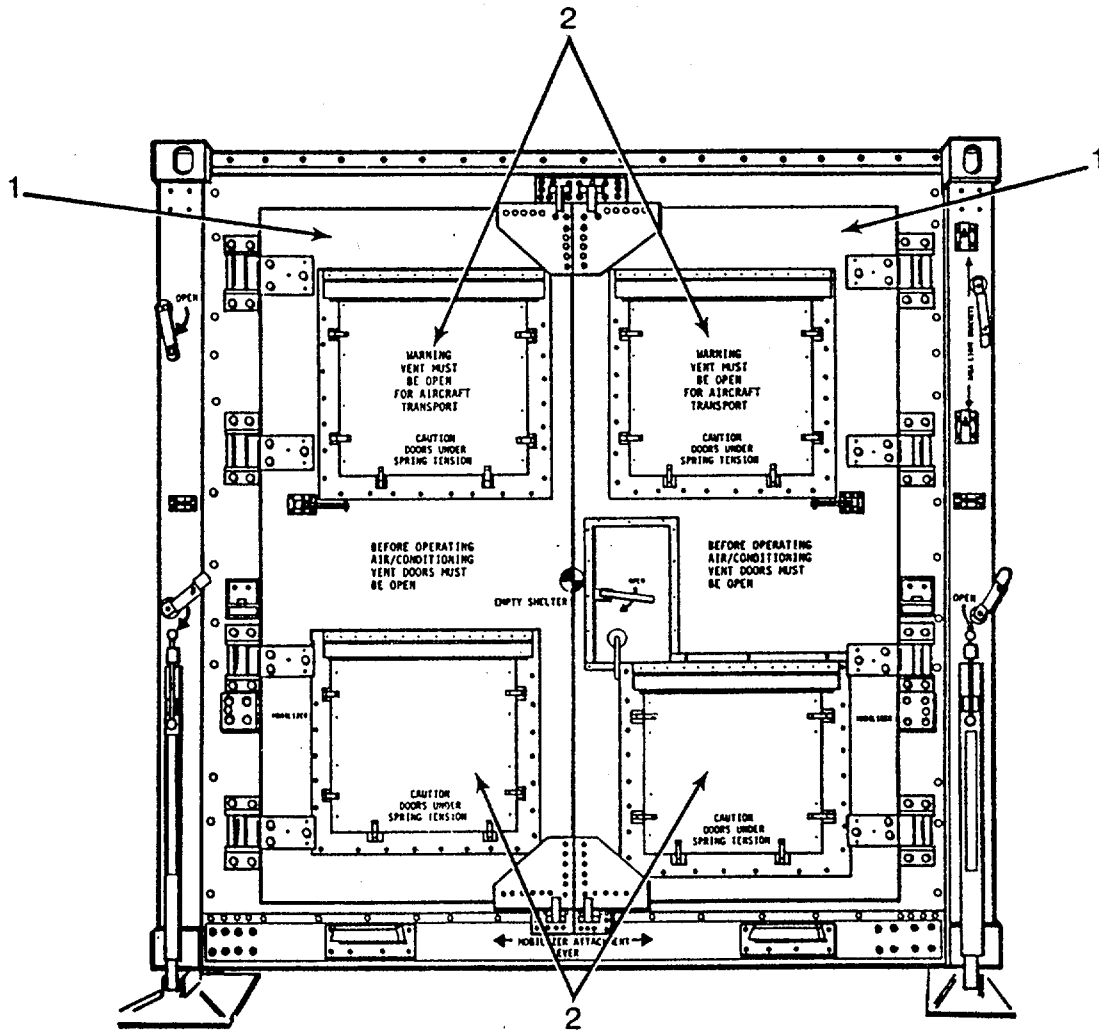


Figure 1-3. Outside Rear View of Finishing Section

1-10. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS. - Continued

(2) Fire Extinguisher - Two Class 2-B dry chemical type fire extinguishers suitable for all types of fires except for liquid oxygen generating equipment.

(3) Solar Bars - Secures ISO shelter roof in place. Handle has been modified for MPS application.

(4) Air Conditioner Unit, Model 36WH - Heat pump and air conditioning unit with manual changeover thermostat.

(5) Emergency Light - Battery powered light which activates automatically if the shelter loses power.

(6) Tool Storage Rack - Storage rack for paper cutter tools.

(7) Air Conditioner Unit, Model 24WH - Heat pump and air conditioner with manual changeover thermostat.

(8) Solvent Container Rack - Storage rack for solvents.

(9) Hygrometer and Temperature Indicator - Indicates interior relative humidity and temperature in degrees F.

(10) Trash Can - 44 gallon trash can.

(11) Drawer Table - A table with four drawers and a drawer pedestal.

(12) Paper Cutter - A guillotine type, electric motor driven cutter with 30.5 in. cutting width.

(13) Paper Storage Rack - Specially designed storage rack with a transporter 5 assembly. There are two paper storage racks in the shelter.

(14) Bulletin Board - Cork faced board for posting messages.

(15) Folding Chair - Metal folding chair.

(16) Office Cabinet - Office-in-one type cabinet with two file drawers and lockable storage compartment.

(17) Telephone Bracket - Standard telephone and storage bracket.

(18) Step Stool - Metal step stool.

Change 1 1-8

1-10. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS. - Continued

- (19) Power Distribution Panel - Contains circuit breakers and distribution terminals for shelter electrical system.
- (20) Phase Monitor Meter - Monitors electrical voltage, frequency, and three phase input power to the shelter.
- (21) Blackout Buzzer - A buzzer to alert personnel that the door will be opened and lighting in the shelter will be extinguished when operating under blackout conditions.
- (22) Personnel Door - Provides entrance into the shelter.
- (23) Level Indicator - Used when leveling the shelter.
- (24) Rifle Rack - Provides storage for weapons.
- (25) Islatrol Control Box - A line filter for input power to the paper cutter to suppress power fluctuations.
- (26) First Aid Kit - Contains medical supplies for minor injuries to personnel.
- (27) Grounding Rod and Slide Hammer - Hammer tool used for placement of grounding rod used to ground electrical system.
- (28) Stool - For operator use.
- (29) Paper Towel Dispenser - Storage container for paper hand towels.
- (30) Flammable Waste Container - A 6-gallon metal container for storing flammable waste.
- (31) Coat Rack - Rack with hooks used to hang clothing.
- (32) Shelf Table - A two-shelf table.
- (33) Developing Tray - used for developing and washing offset plates.
- (34) Platemaker - used to expose various types of light sensitive material.
- (35) Light Table - A work surface with a white illuminated background for working with negatives and copy for paste-up, stripping, and registration work.

1-10. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS. - Continued

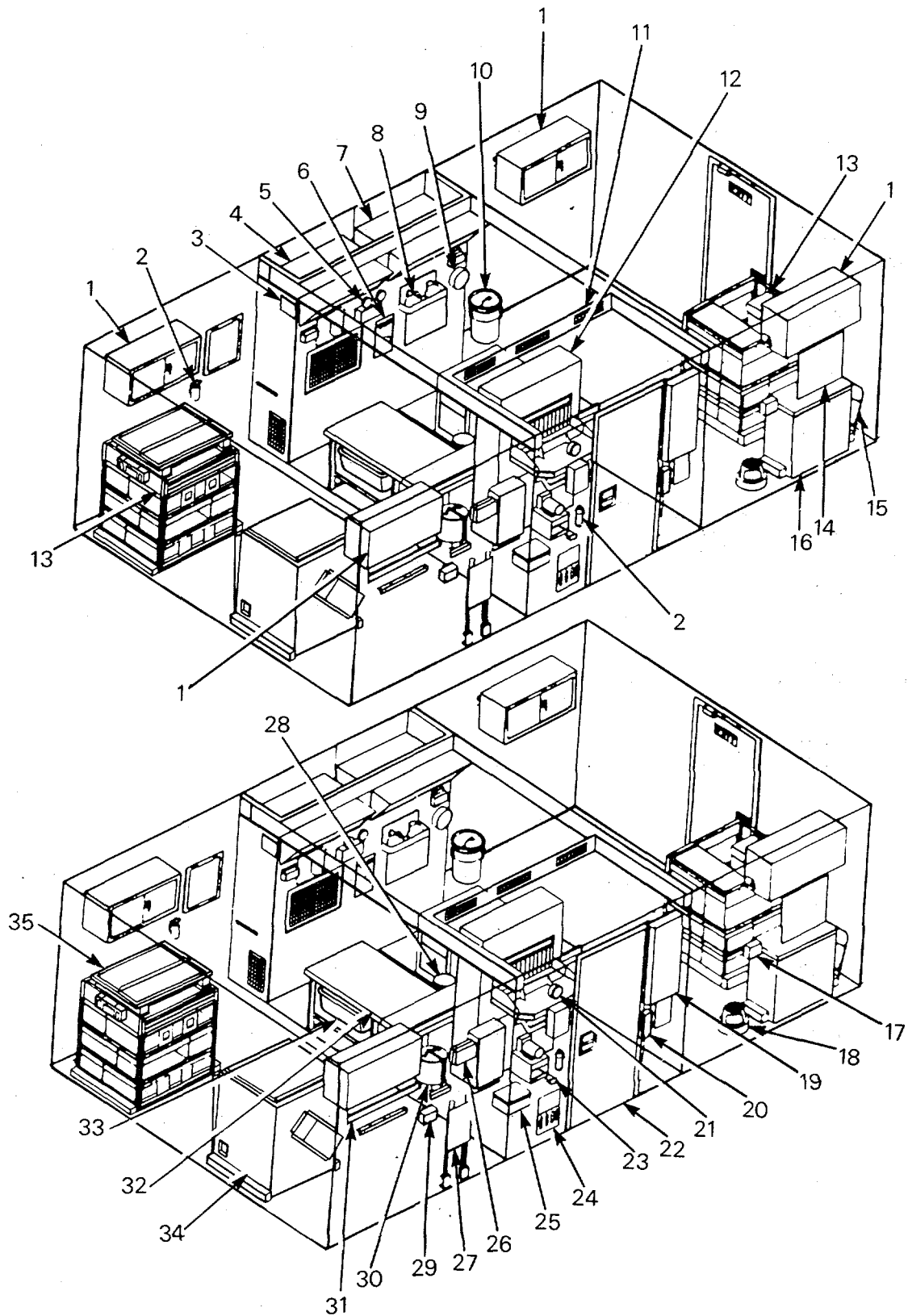


Figure 1-4. Finishing Section Equipment Layout

1-11. EQUIPMENT DATA.

- a. Air Conditioner Unit, 24,000 BTUH. Refer to TM 5-4120-395-14&P for technical data on the unit.
- b. Air Conditioner Unit, 36,000 BTUH. Refer to TM 5-4120-396-14&P for technical data on the unit.
- c. Paper Cutter. Refer to TM 5-3610-299-12&P for technical data on the unit.
- d. 3/1 Shelter. Refer to TM 10-5411-200-14 and TM 10-5411-200-24P for technical data on the shelter.
- e. Platemaker. Refer to TM 5-3610-305-12&P for technical data on the platemaker.
- f. Light Table.

| | |
|--------------------|-------------------------|
| Manufacturer | NUARC |
| Model No. | VLT32T |
| Dimensions | |
| Length | 34-3/8 in. |
| Width | 27-1/2 in. |
| Height | 7 in. |
| Power Requirements | 115V, 60 Hz 0.76 amp |

1-12. SAFETY, CARE AND HANDLING. You should follow the safety practices listed on the "WARNING" pages at the front of this manual, as well as using good common sense. In addition, always read the applicable WARNINGS and CAUTIONS listed immediately before the dangerous operating or maintenance procedure.

SECTION III. TECHNICAL PRINCIPLES OF OPERATION

1-13. PRINCIPLES OF OPERATION. The Finishing Section provides the MPS with additional finish processing capacity of a 30.5 in. electronically controlled paper cutter. Printed material produced by Modules A and B are sent to the Finishing Section for cutting, rolling, and distribution.

a. Printing and Production. The Modular Printing System provides printing and production capabilities for Psychological Operations (PSYOP) battalions. These capabilities include sustained direct printing operations, photographic processing, layout of negatives, photolithographic plate processing, and bindery functions. The MPS is a transportable, self-contained printing plant (including its own power generator) capable of world-wide deployment under all weather conditions. See Figure 1-1.

b. MPS System Equipment. The MPS consists of three modules: (1) Printing Plant, Module A; (2) Press Section, Module B; (3) Finishing Section, Module C. Module A is comprised of two S-280 shelters, each mounted on a 2-1/2 ton truck. The Photomechanical/Editorial Shelter contains typesetting, art work presentation, darkroom and plate making capabilities. The Press Shelter contains limited capacity printing and paper cutting capabilities.

c. MPS Press Section (Module B). Module B is comprised of two Press Sections each of which is a two-sided expandable 8' x 8' x 20' tactical rigid wall ISO shelter. Each shelter is equipped with a two-color offset printing press, environmental controls, sink, lithographic layout cabinet, work tables, and storage space for printing supplies.

d. MPS Finishing Section (Module C). Module C is comprised of one Finishing Section which is also a two-sided ISO shelter equipped with a programmable electronic paper cutter, platemaker, light table, environmental controls, storage cabinets, and work tables. Two ISO to ISO connectors allows passage between the three ISO units.

e. Power Requirements and Distribution. Power for the entire system is provided by a 60 KW trailer-mounted generator. Module A, when operated in a stand alone configuration without Modules B and C, has its own power source of two 15 KW generators that are part of the standard Lightweight Printing Plant configuration. When Module A is configured with Modules B and C, the two 15 KW generators are replaced by the single 60 KW power plant providing power for the entire system. A Power Distribution Box Assembly provides central power distribution and control to the five units of the MPS.

f. Movement of MPS. Movement of Modules B and C is accomplished by two five- ton cargo trucks with the shelters mounted on ISO mobilizers.

1-14. ADDITIONAL REFERENCE MATERIAL. Detailed information relating to commercial equipment used in the shelter is available in the respective commercial technical manuals listed in Appendix A and will not be repeated in this manual. Where applicable, the reader will be directed to refer to the appropriate commercial technical manual.

Change 1 1-13/(1-14 Blank)

2-11.1. TILT TOP LIGHT TABLE CONTROL AND INDICATORS.

- a. Illuminated Glass (1) - Used for tracing, artwork, and opaquing negatives.
- b. On-Off Switch (2) - Used to turn the light table lights on and off.

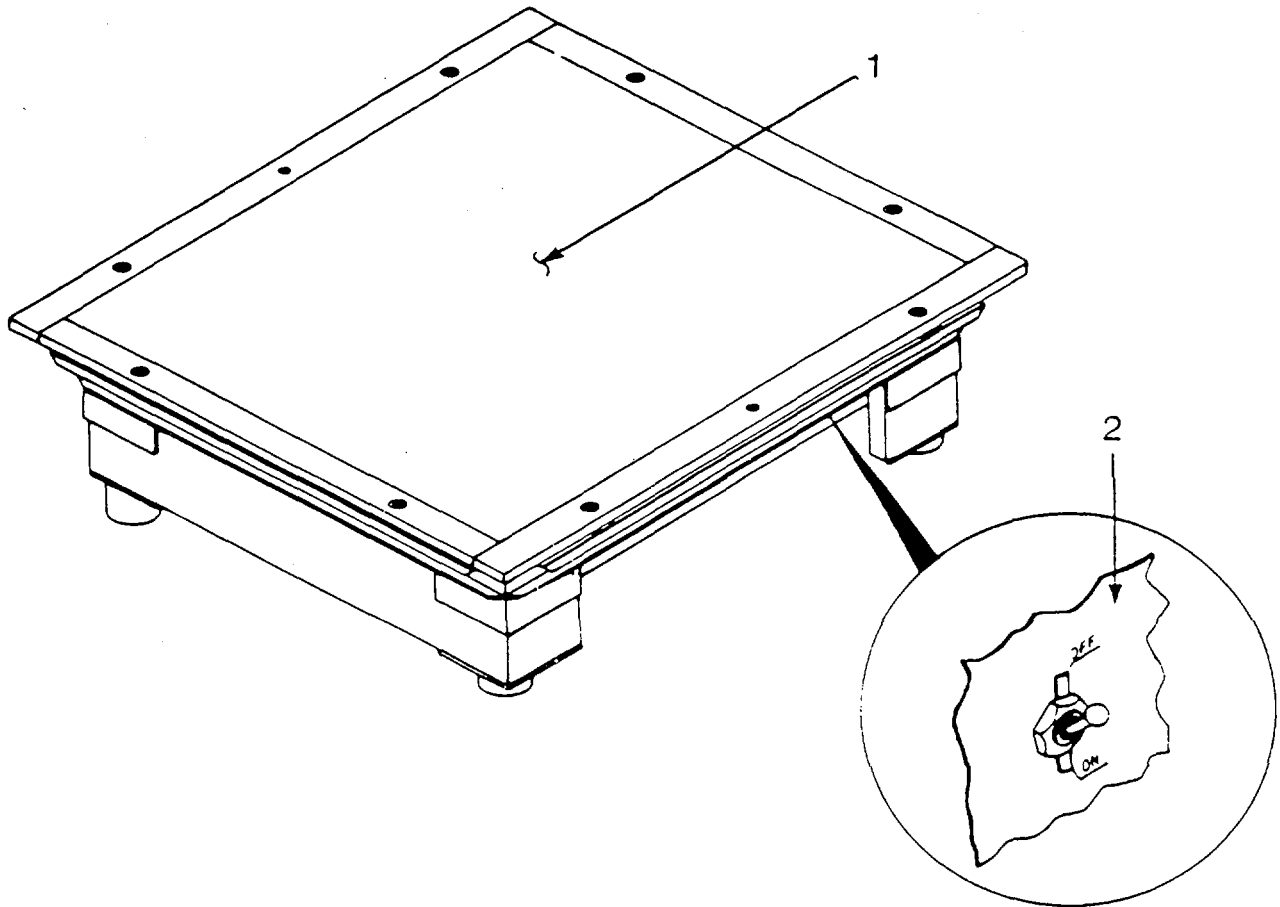


Figure 2-11. Tilt Top Light Table

2-11.2. FLIP-TOP PLATEMAKER. Refer to TM 5-3610-305-12&P for controls and indicators on the Flip-top Platemaker.

Change 1 2-12.1/(2-12.2 Blank)

2-12. INTRODUCTION. - Continued

Table 2-1. Operator Preventive Maintenance Checks and Services (PMCS) (Cont.)

B - Before

D - During

A - After

| Item No. | Interval | | | Item To Be Inspected Procedure | Equipment Is Not Ready /Available If: |
|----------|----------|---|---|---|---------------------------------------|
| | B | D | A | | |
| 17 | ● | | | <p>Light Table Assembly</p> <p>Check that fluorescent tubes are illuminated. If necessary, refer to Unit Maintenance for service/repair.</p> | Fluorescent lights not operating. |
| 18 | | | | <p>Flip-top Platemaker</p> <p>Refer to TM 5-3610-305-12&P.</p> | |

CHAPTER 2. OPERATING INSTRUCTIONS**SECTION I. DESCRIPTION AND USE OF OPERATOR'S****CONTROLS AND INDICATORS**

2-1. POWER DISTRIBUTION PANEL. Refer to Figure 2-1 for location of controls and indicators. Numbers in parenthesis after control or indicator listed below appear as callouts in figure.

- a. Circuit Breaker (1) - Provides overload protection for interior utility outlets mounted on left rear wall and air conditioner room light.
- b. Circuit Breaker (2) - Provides overload protection for interior utility outlets mounted on hinged right front and rear walls and emergency light outlet.
- c. Circuit Breaker (3) - Provides overload protection for interior utility outlets mounted on left front wall.
- d. Circuit Breaker (4) - Provides overload protection for 36,000 BTUH air conditioner supply receptacle mounted on power entry panel.
- e. Main Circuit Breaker (5) - In ON position, delivers electrical power to individual circuit breakers. In OFF position, turns off all electrical power in shelter, except for the phase monitor assembly.
- f. Circuit Breaker (6) - Provides overload protection for ground fault interrupter utility outlet mounted on power entry panel.
- g. Circuit Breaker (7) - Provides overload protection for ceiling lights and blackout warning system.
- h. Circuit Breaker (8) - Provides overload protection for paper cutter.
- i. Circuit Breaker (9) - Provides overload protection for 24,000 BTUH air conditioner.
- j. Blackout Override Switch (10) - In the ON position, overrides door activated blackout switch mounted on the front wall adjacent to the personnel door. During blackout conditions switch must be in the OFF position.
- k. Incandescent Light Switch (11) - In the ON position, turns on front left wall light. In OFF position, turns off left front wall light.

2-1. POWER DISTRIBUTION PANEL. - Continued

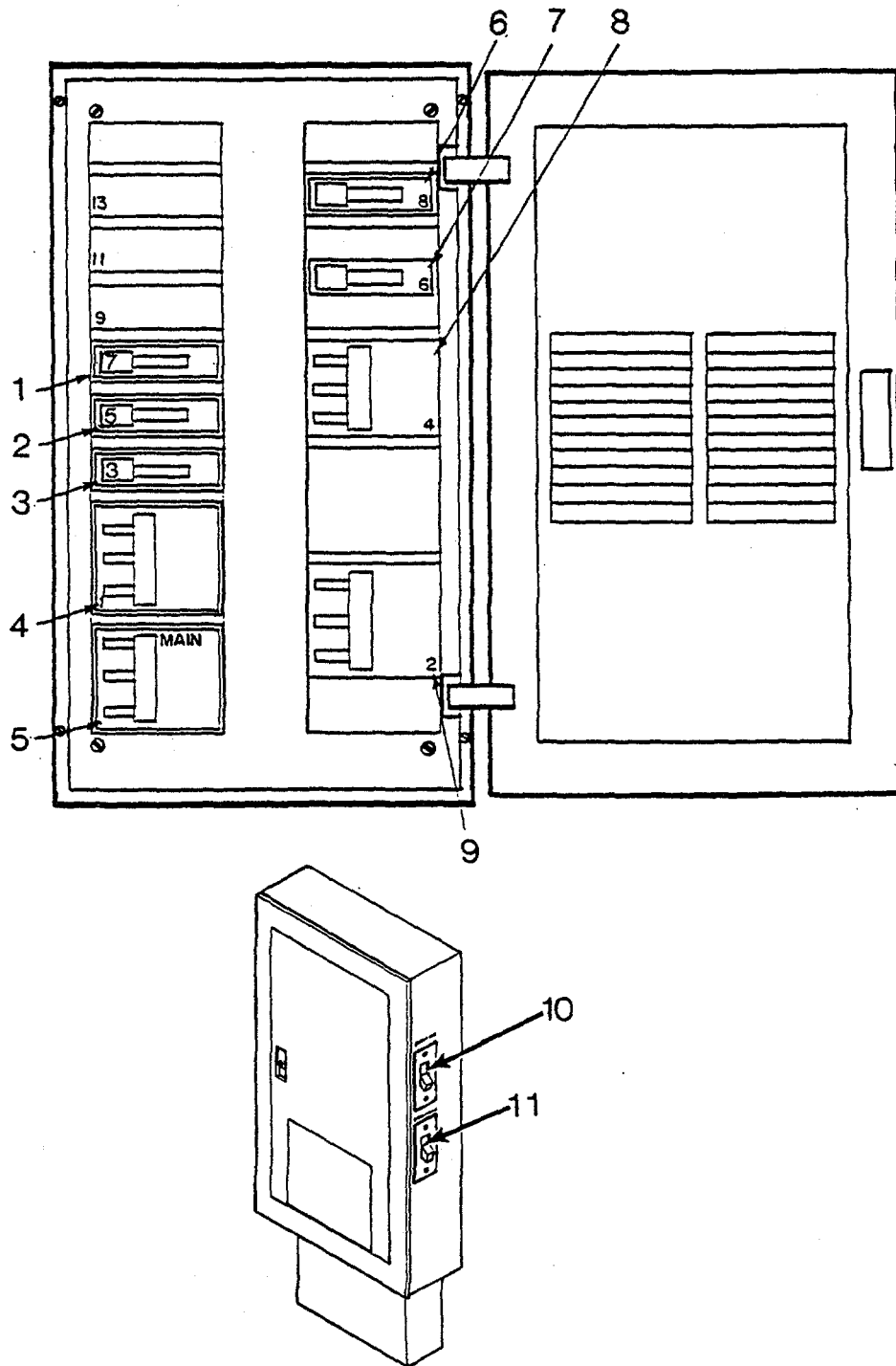


Figure 2-1. Power Distribution Panel Controls and Indicators

2-2. EMERGENCY LIGHT. The emergency light is self-activating when input power to the shelter is lost. The test switch allows the operator to check the condition of the batteries. Refer to Figure 2-2 for location of controls and indicators.

- a. **Ready Light (1)** - Indicates power is ON.
- b. **ON/OFF Power Switch (2)** - In the ON position, connects battery to the circuit. In the OFF position, disconnects battery from the circuit.
- c. **Test Switch (3)** - Switch for testing condition of the battery. When pushed, the bulbs in the emergency light will light. Test switch works only when ON/OFF power switch is in the ON position.
- d. **Charge Light (4)** - Indicates when battery is charging. Charge light works only when ON/OFF power switch is in the ON position.

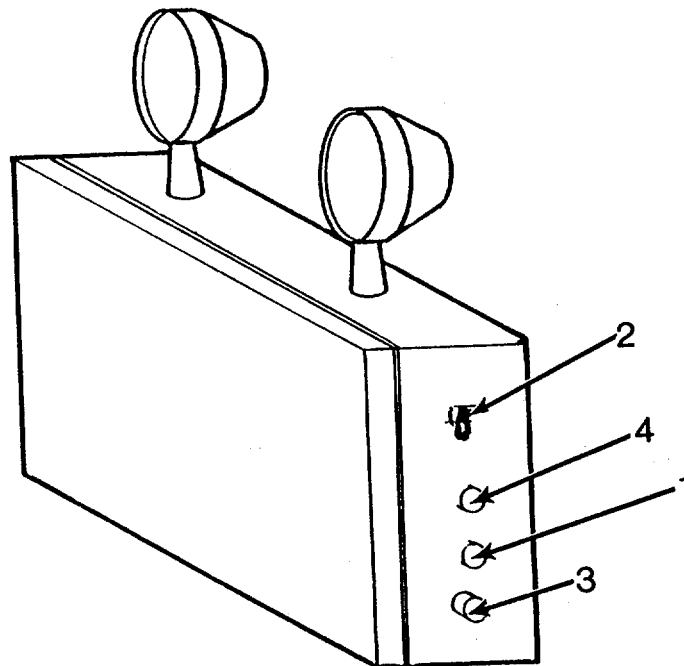


Figure 2-2. Emergency Light

2-3. HYGROMETER AND TEMPERATURE INDICATOR. The hygrometer indicates the relative humidity and temperature inside the shelter. There are no operator controls or adjustments.

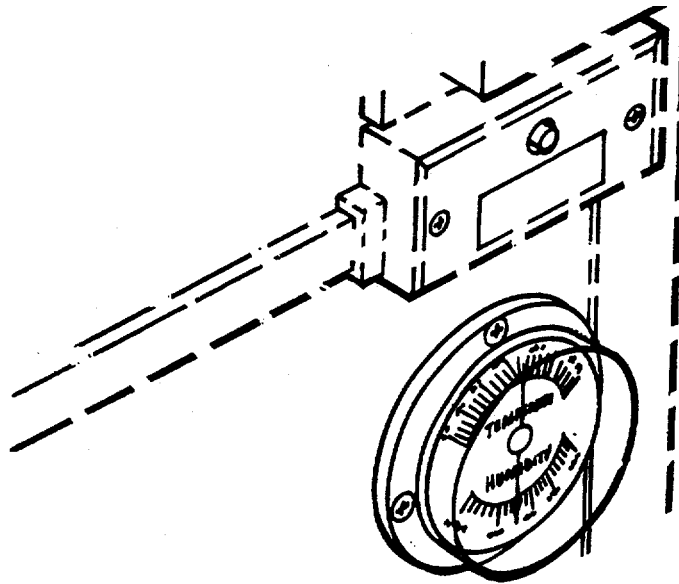


Figure 2-3. Hygrometer and Temperature Indicator

2-4. ISLATROL CONTROL BOX. The islatrol control box, located on the lower drive side of the paper cutter, contains an electrical filter to isolate the paper cutter from the rest of the electrical circuit.

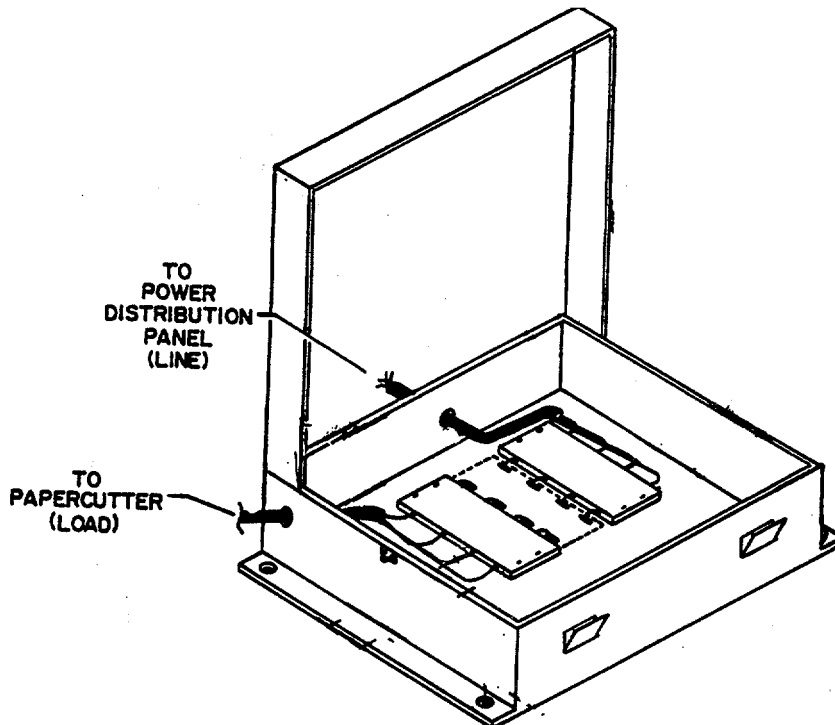


Figure 2-4. Islatrol Control Box

2-5. PAPER CUTTER. Refer to TM 5-3610-299-12&P for description and use of operator's controls and indicators.

2-6. PHASE MONITOR METER. The phase monitor meter allows the operator to monitor electrical frequency, voltage and three-phase input power to the shelter. Refer to Figure 2-5 for location of operator's controls and indicators.

- a. Phase/Test Switch (1) - Allows the operator to check for correct/incorrect input power phase.
- b. Frequency Meter (2) - Allows the operator to monitor the frequency of each electrical phase as determined by the Phase Select Switch. The meter does not function when the Phase Select Switch is in the OFF position.
- c. Phase Selector Switch (3) - A four position (OFF, A, B, C) switch for selecting the electrical phase to be monitored. This switch should remain in the OFF position when the phase meter is not in use.
- d. Correct Phase Indicator (4) - Indicator lamp which lights to indicate presence of a correct electrical phase (A, B, C) being monitored.
- e. Voltage Meter (5) - Allows the operator to monitor the voltage of each electrical phase as determined by the Phase Selector Switch. The meter does not function when the Phase Selector Switch is in the OFF position.
- f. Incorrect Phase Indicator (6) - Indicator lamp which lights to indicate the presence of an incorrect electrical phase (A, B, C) that is being monitored.
- g. Fuse (7) - Protects the Phase Monitor Meter from an electrical overload.

2-6. PHASE MONITOR METER. - Continued

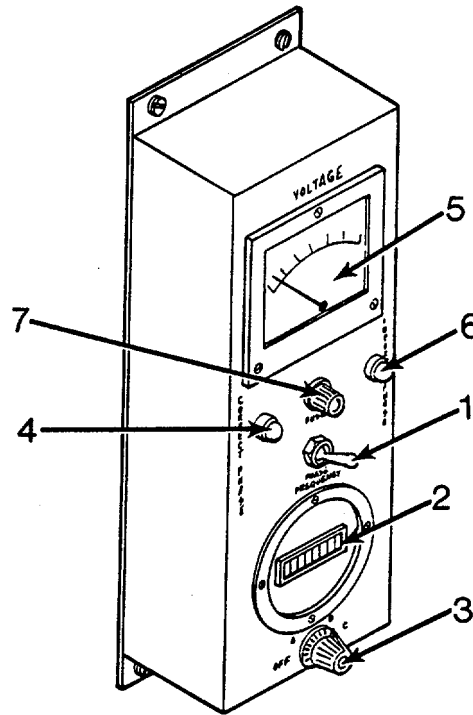


Figure 2-5. Phase Monitor Meter

2-7. AIR CONDITIONER (AC) UNITS (24,000 BTUH AND 36,000 BTUH). Each air conditioner has a separate thermostat for controlling temperature; however, the controls and indicators are the same for both. Refer to paragraph 2-7 for location of operator's controls and indicators.

a. Temperature Set Point Lever (1) - Allows the operator to select the cooling or heating temperature point. The AC units will cycle on and off automatically as the shelter temperature fluctuates about the selected temperature.

2-7. AIR CONDITIONER (AC) UNITS (24,000 BTUH AND 36,000 BTUH). - Continued

- b. Heat/Cool Switch (2) - In the HEAT position, AC operates to heat the shelter. In the COOL position, AC operates to cool the shelter.
- c. Fan Switch (3) - A two position switch for controlling the automatic or manual operation of the fan. When placed in the ON position, the fan operates continuously. When placed in the AUTO position, the fan operates automatically during heating and cooling cycles as controlled by the setting of the thermostat.
- d. Thermometer (4) - Indicates ambient air temperature inside the shelter in degrees F.
- e. Exhaust Vent Warning Light (5) - Indicator lamp which lights to warn that the AC exhaust vents on the cargo doors are closed when attempting to energize the AC's. The AC's will not operate until the vent doors are opened.
- f. NORM/EMERG HEAT Switch (6) - In the NORM position, heat pump is used for heating. In the EMERG HEAT position, electrical heating coils are used to supplement the heat pump.
- g. Emergency Heat Indicator (7) - Indicator lights when emergency heat is on.
- h. Air Input Vent With Filter (8 and 9) - Brings air to the outside coils. Filter keeps dirt and dust from entering the AC.
- i. Air Input Vent with Filter (10 and 11) - Brings air (heating or cooling) to the inside coils. Filter keeps dust and dirt from entering the shelter.

2-7. AIR CONDITIONER (AC) UNITS (24,000 BTUH AND 36,000 BTUH). - Continued

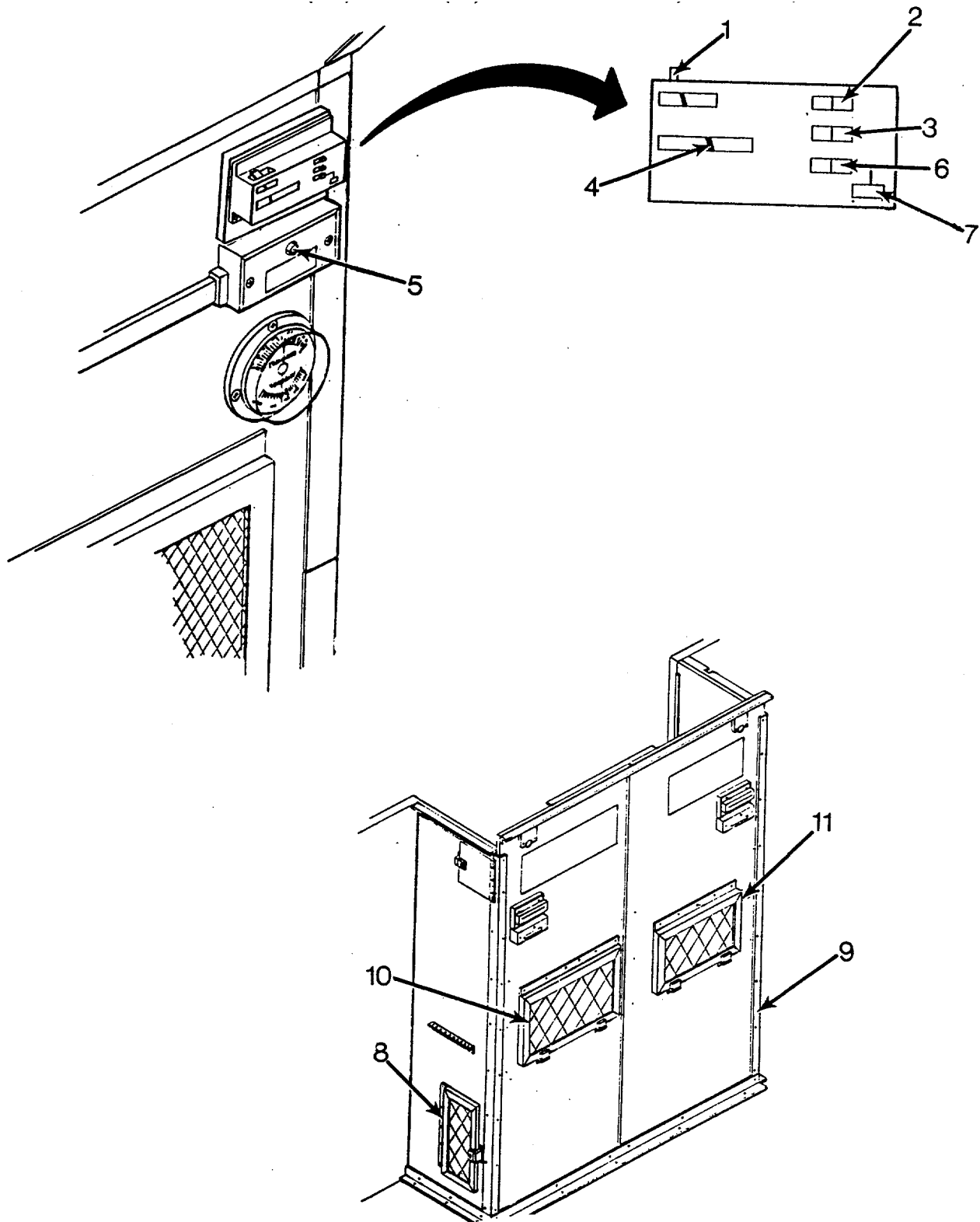
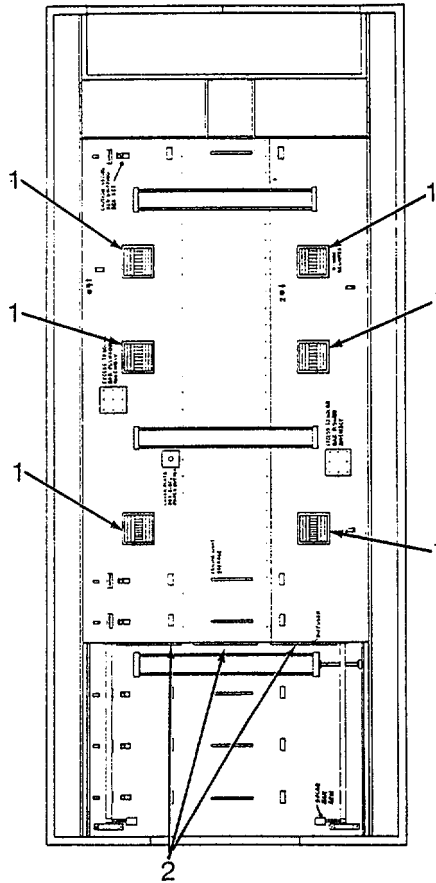


Figure 2-6. Air Conditioner (AC) Units, 24,000 BTUH and 36,000 BTUH Controls and Indicators

2-8. AIR CONDITIONER CEILING DUCT ASSEMBLY. Refer to Figure 2-7 for location of operator's controls and indicators. The ducting and vent assemblies provide even distribution of conditioned air throughout the shelter.

- a. Ceiling Registers, Hand Operated (6 each) (1)-Allows the operator to control the flow of air to the interior of the shelter.
- b. End Registers, (3 each) (2)-Provides flow of air to the front of the shelter.



**Figure 2-7. Air Conditioner Ceiling Duct Assembly
(Looking at ceiling)**

2-9. FLUORESCENT LIGHT ASSEMBLIES. Provide overhead lighting in the shelter.

- a. Housing Assembly (1)-Provides housing and electrical power for the light bulbs.
- b. Fluorescent Light Bulbs (2)-Provide lighting in the shelter.

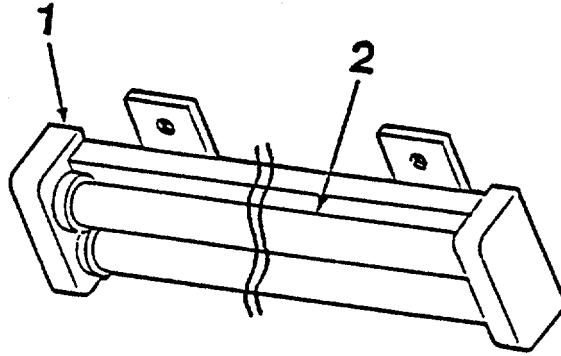


Figure 2-8. Fluorescent Light Assemblies

2-11. TRANSPORTER ASSEMBLY. Refer to figure 2-10 for location of controls and indicators.

- a. Hand Knob (1)-When turned clockwise, lowers wheels to allow movement of equipment assembly attached to transporter assemblies. When turned counterclockwise, raises wheels to allow equipment assembly to set on shelter floor.

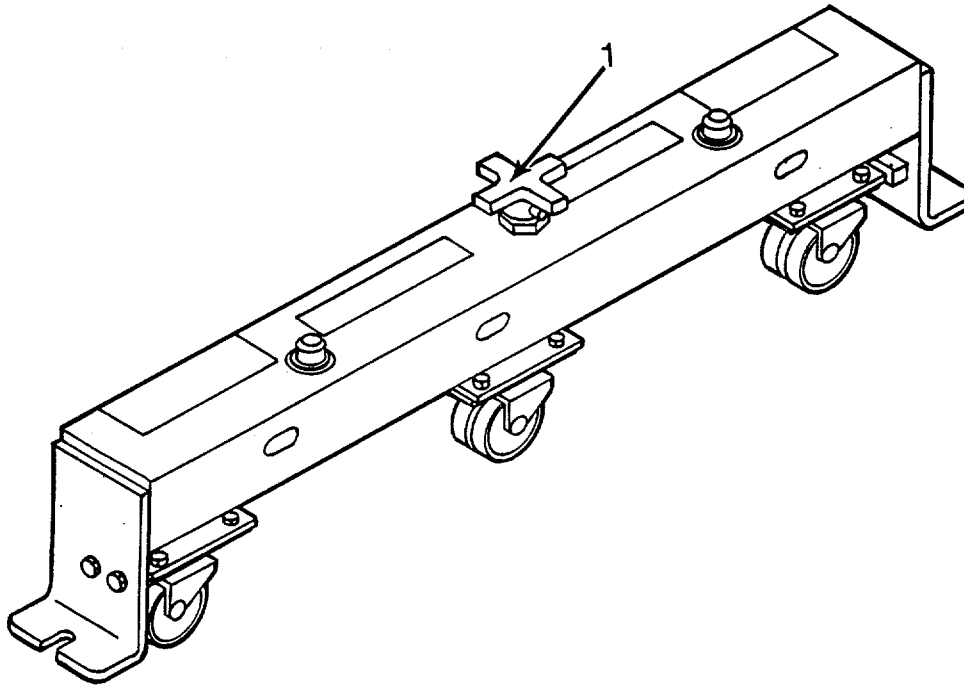


Figure 2-10. Transporter Assembly

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

2-12. INTRODUCTION.

- a. General. Your Preventive Maintenance Checks and Services table lists the inspection and care of your equipment required to keep it in good operating condition.
 - (1) Before you operate. Always keep in mind the CAUTIONS and WARNINGS. Perform your before (B) PMCS.
 - (2) While you operate. Always keep in mind the CAUTIONS and WARNINGS. Perform your during (D) PMCS.
 - (3) After you operate. Be sure to perform your after (A) PMCS.
 - (4) If your equipment fails to operate. If your equipment does not perform as required, refer to Chapter 3 under Troubleshooting for possible problems.
- b. PMCS Columnar Entries.
 - (1) Item number column. This is the order in which you perform checks and services on the devices.
 - (2) Interval columns. The interval column of your PMCS table tells you when to do a certain check or service.
 - (3) Item to be inspected column. Identification of item to be inspected.
 - (4) Procedures column. The procedures column of your PMCS table tells you how to do the required checks and services. Carefully follow these instructions. If you do not have the tools, or if the procedure tells you to, have the next higher level of maintenance do the work.
 - (5) Equipment is not ready/available if: column. Entries in this column will be keyed specifically to checks listed in the "procedures" column for the purpose of identifying, for the check, the criteria that will cause the equipment to be classified as not ready/available because of inability to perform its primary Combat Mission. An entry in this column will:
 - * Identify conditions that make the equipment not ready/available for readiness reporting.
 - * Deny use of the equipment until corrective maintenance has been performed.

2-12. INTRODUCTION. -Continuedc. Special Instructions.

(1) Perform weekly as well as before operations PMCS if:

- * You are the assigned operator and have not operated the item since the last weekly.
- * You are operating the item for the first time.

(2) Leakage definitions for operator/crew PMCS shall be classified as follows:

Class I Seepage of fluid (as indicated by wetness or discoloration) not great enough to form drops.

Class II Leakage of fluid great enough to form drops but not enough to cause drops to drip from item being checked/inspected.

Class III Leakage of fluid great enough to form drops that fall from the item being checked/inspected.

CAUTION

Equipment operation is allowable with minor leakages (Class I or II). Of course, you must consider the fluid capacity in the item/system being checked/inspected. When in doubt, notify your supervisor.

When operating with Class I or II leaks, continue to check fluid levels as required in your PMCS.

Class III leaks should be reported to your supervisor.

2-12. INTRODUCTION. -Continued

Table 2-1. Operator Preventive Maintenance Checks and Services (PMCS)

WARNING

SHUT OFF generator engine before performing any maintenance to prevent possible electrical shock. If the engine must be run, make sure the area is well ventilated. The exhaust fumes contain poisonous carbon monoxide gas which can cause death.

NOTE

If the equipment must be kept in continuous operation, check and service only those items that can be checked and serviced without disturbing operation. Make the complete checks and services when the equipment can be shut down.

2-12. INTRODUCTION. -Continued

Table 2-1. Operator Preventive Maintenance Checks and Services (PMCS) (Continued)

B - Before

D - During

A - After

| Item No. | Interval | | | Item To Be Inspected Procedure | Equipment Is Not Ready /Available If: |
|----------|----------|---|---|---|---|
| | B | D | A | | |
| 1 | ● | | ● | <p>Power Distribution Panel - Visual Inspection</p> <p style="text-align: center;">WARNING</p> <p>High Voltage exists in the electrical system of this equipment. DEATH on contact may result if personnel fail to observe safety precautions.</p> <ol style="list-style-type: none"> 1. Inspect for damage to door and panel. 2. Inspect circuit breakers for operation, condition and security. | <p>Damaged, missing or loose</p> <p>Door or panel damaged.</p> <p>Circuit breakers not operating</p> |
| 2 | ● | | ● | <p>Emergency Light-Check operation of light.</p> <ol style="list-style-type: none"> 1. Test battery by operating test switch with ON/OFF switch in ON position. 2. Check Ready Light. 3. Check light bulbs for operation with ON/OFF switch in ON position. | <p>Lights do not operate when test switch is activated.</p> <p>Ready light does not operate when circuit breaker switch is turned ON.</p> <p>Lights do not operate when test switch is activated.</p> |

2-12. INTRODUCTION. -Continued

Table 2-1. Operator Preventive Maintenance Checks and Services (PMCS) (Continued)

B - Before

D - During

A - After

| Item No. | Interval | | | Item To Be Inspected Procedure | Equipment Is Not Ready /Available If: |
|----------|----------|---|---|--|---|
| | B | D | A | | |
| 3 | ● | ● | ● | <p>Hygrometer and Temperature Indicator - Visual Inspection</p> <ol style="list-style-type: none"> 1. Inspect cover for damages. 2. Inspect temperature gauge for damages. | <p>Cover damaged.</p> <p>Temperature gauge cracked or broken.</p> |
| 4 | ● | | ● | <p>Islatrol Control Box-Visual Inspection.</p> <ol style="list-style-type: none"> 1. Check cover for damages and loose or missing hardware | <p>Cover is damaged or hardware is loose or missing.</p> |
| 5 | ● | | ● | <p>Paper Cutter-Visual Inspection (Note: Refer to TM 5-3610-299-12&P for PMCS procedures.)</p> <ol style="list-style-type: none"> 1. Inspect guard for damage and loose hardware. 2. Remove guard and wipe shelf with damp cloth. | |
| 6 | ● | | ● | <p>Phase Monitor Meter</p> <ol style="list-style-type: none"> 1. Inspect cover for damages. 2. Check switches for damages. | <p>Cover is dented or damaged.</p> <p>Switches not operating.</p> |

2-12. INTRODUCTION. -Continued

Table 2-1. Operator Preventive Maintenance Checks and Services (PMCS) (Continued)

B - Before

D - During

A - After

| Item No. | Interval | | | Item To Be Inspected Procedure | Equipment Is Not Ready /Available If: |
|--|---|---|---|--|--|
| | B | D | A | | |
| 7 | ● | ● | ● | 3. Check meters for proper operation. | Meters do not register. |
| | | | | 4. Check indicator lamps for proper operation | Lamps do not light. |
| 8 | ● | ● | ● | Thermostat | |
| | | | | 1. Inspect temperature set point lever for correct operation. | Temperature set point lever does not adjust temperature. |
| | | | | 2. Check thermometer for proper operation. | Thermometer indicator does not register correct temperature. |
| | | | | Air Conditioner (AC) Units(24,000 BTU/H and 36,000 BTU/H) | |
| | | | | 1. Check switches for proper operation. | Switches do not activate correct settings. |
| | | | | 2. Check levers for correct operation. | Levers do not allow for proper setting. |
| 3. Check thermostat for correct reading. | Thermostat does not register correctly. | | | | |
| 4. Check vent warning light for operation by closing one cargo vent. | Vent warning light does not activate when vents are closed. | | | | |
| 5. Inspect filters for excessive dust or dirt. | Cooling or heating is impaired and filters are dirty. | | | | |
| 6. Spray filters with filter coater. | Filter not coated. | | | | |

2-12 INTRODUCTION. - Continued

Table 2-1. Operator Preventive Maintenance Checks and Services (PMCS) (Continued)

B - Before

D - During

A - After

| Item No. | Interval | | | Item To Be Inspected Procedure | Equipment Is Not Ready /Available If: |
|----------|----------|---|---|---|--|
| | B | D | A | | |
| 9 | ● | | ● | <p>Air Conditioner Ducting Assembly</p> <ol style="list-style-type: none"> 1. Inspect louvers for ease of operation. 2. Check duct assembly for damages or loose hardware. | <p>Louvers are damaged and will not open or close.</p> <p>Duct assembly is badly damaged or hardware is missing.</p> |
| 10 | ● | ● | ● | <p>Ceiling Light Assembly</p> <ol style="list-style-type: none"> 1. Inspect housing for damages or loose or missing hardware. Bulbs do not light when 2. Check bulbs for operation. | <p>Damages prevent proper lighting.</p> <p>switch is turned on.</p> |
| 11 | ● | | ● | <p>Cargo Door Vent Assembly</p> <ol style="list-style-type: none"> 1. Inspect vent assembly for loose or missing hardware and damaged or broken springs. 2. Inspect vents for dents or damages. 3. Inspect filters for cleanliness. | <p>Vent door will not remain open when opened.</p> <p>Vents are dented or bent and will not stay opened or closed.</p> <p>Filters are clogged with dirt.</p> |

2-12. INTRODUCTION. -Continued

Table 2-1. Operator Preventive Maintenance Checks and Services (PMCS) (Cont.)

B - Before

D - During

A - After

| Item No. | Interval | | | Item To Be Inspected Procedure | Equipment Is Not Ready /Available If: |
|----------|----------|---|---|--|---|
| | B | D | A | | |
| 12 | ● | | ● | <p>Wall Mounted Storage Cabinet</p> <p>1. Inspect Cabinets for damages or loose or missing hardware.</p> | Cabinet is damaged or hardware is loose or missing. |
| 13 | ● | | ● | <p>Paper storage racks</p> <p>1. Inspect racks for damages or loose or missing hardware.</p> <p>2. Check operation of transporter assemblies.</p> | <p>Racks are damaged or hardware is loose or missing.</p> <p>Transporter wheels will not raise or lower or roll.</p> |
| 14 | ● | | ● | <p>Office Cabinet</p> <p>1. Inspect cabinet for damages or loose or missing hardware.</p> <p>2. Check operation of transporter assemblies.</p> | <p>Cabinet is damaged or hardware is loose or missing.</p> <p>Transporter wheels will not raise or lower or roll.</p> |
| 15 | ● | | ● | <p>Shelf Table</p> <p>1. Inspect table for damage or loose or missing hardware.</p> | Table is damaged or hardware is loose or missing. |
| 16 | ● | | ● | <p>Drawer Table</p> <p>1. Inspect table for damages or loose or missing hardware.</p> | Table is damaged or hardware is loose or missing. |

SECTION III. OPERATION UNDER USUAL CONDITIONS**2-13. ASSEMBLY AND PREPARATION FOR USE.**

- a. Site Selection. Refer to Figure 2-11 for a typical setup of the MPS system. The site selected should be as follows:
- (1) Terrain slope can be no more than 8 inches over the 120 foot depth or width of the site.
 - (2) Module B and C unexpanded shelters must be positioned no less than 232 inches apart and no more than 241 inches apart.
 - (3) Module B and C expanded shelters must be no less than 66 inches apart and no more than 75 inches apart.
 - (4) Site should allow for a reasonable maneuvering area around the equipment.
 - (5) Terrain should be firm, reasonably level, well drained and relatively free of large surface rocks.

NOTE

The solar bar levers on the rear end of the shelter have been removed due to lack of clearance at the air conditioner housing. A ratchet wrench is supplied for use in rotating the solar bar and is stowed inside the cargo door on the 36,000 BTUH air conditioner side.

- b. Setup of Shelter. Refer to TM 10-5411-200-14 for detailed instructions for setting up the shelter.

2-13. ASSEMBLY AND PREPARATION FOR USE. -Continued

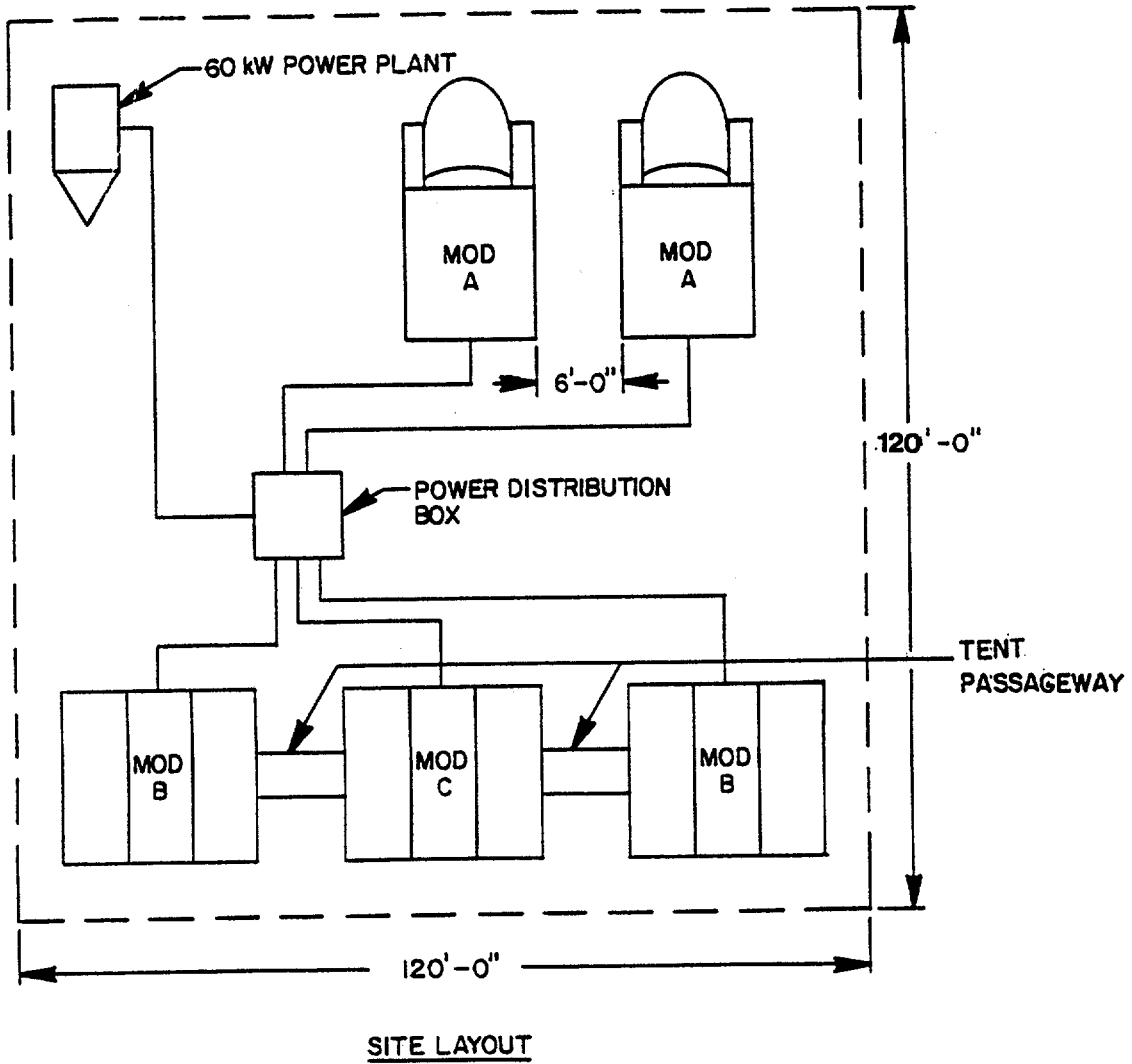


Figure 2-11. Site Layout

2-13. ASSEMBLY AND PREPARATION FOR USE. -Continued

- c Finishing Section Interior Equipment. Refer to Figure 2-12 for a typical location of Finishing Section equipment when set up for operation. Remove the equipment from the center section of the shelter in the order listed below using T-handle wrench, located to the right of the personnel door, to remove retainer bolts. Store retainer bolts in proper location on transporter assemblies.

NOTE

Equipment stored in the center section of the shelter, with the exception of the paper cutter, may be placed anywhere within the shelter.

- (1) Paper storage rack
- (2) Office cabinet
- (3) Folding chair
- (4) Shelf table
- (5) Paper storage rack
- (6) Stools and waste cans
- (7) Floor mat (place between paper cutter and air conditioner units)
- (8) Light table
- (9) Developing tray
- (10) Platemaker

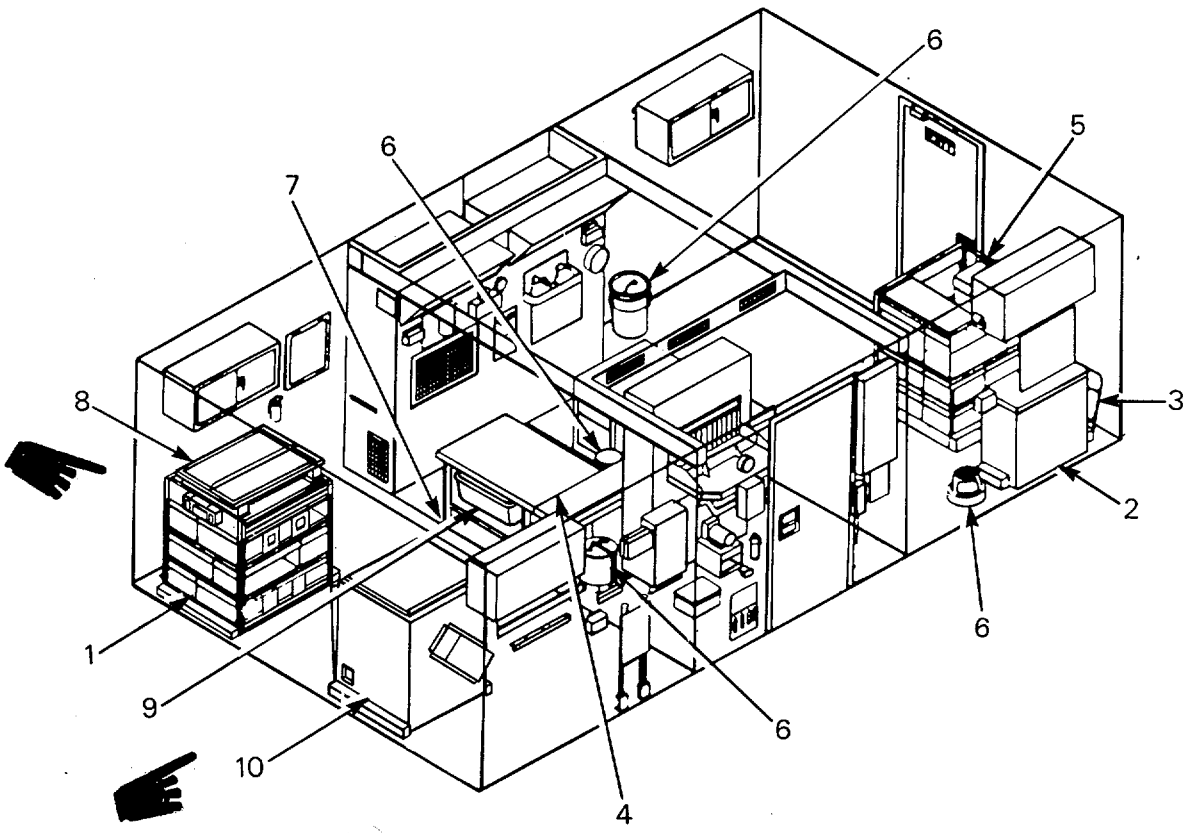


Figure 2-12. Operating Location of Finishing Section Equipment

2-13. ASSEMBLY AND PREPARATION FOR USE. -Continued

- (8) Ceiling light assemblies. Refer to Figure 2-13 and remove ceiling light assemblies (1) from their ceiling storage brackets (2) by rotating safety release bracket (3) and sliding the light assembly over the button to allow the assembly to drop from its mounting stubs. Install the lights onto the expanded shelter section ceilings. Connect electrical cord from each light assembly to the ceiling receptacles. Light storage locations (4) are shown in Figure 2-13.

NOTE

The third storage location from the personnel door also has a safety release button which must be pressed.

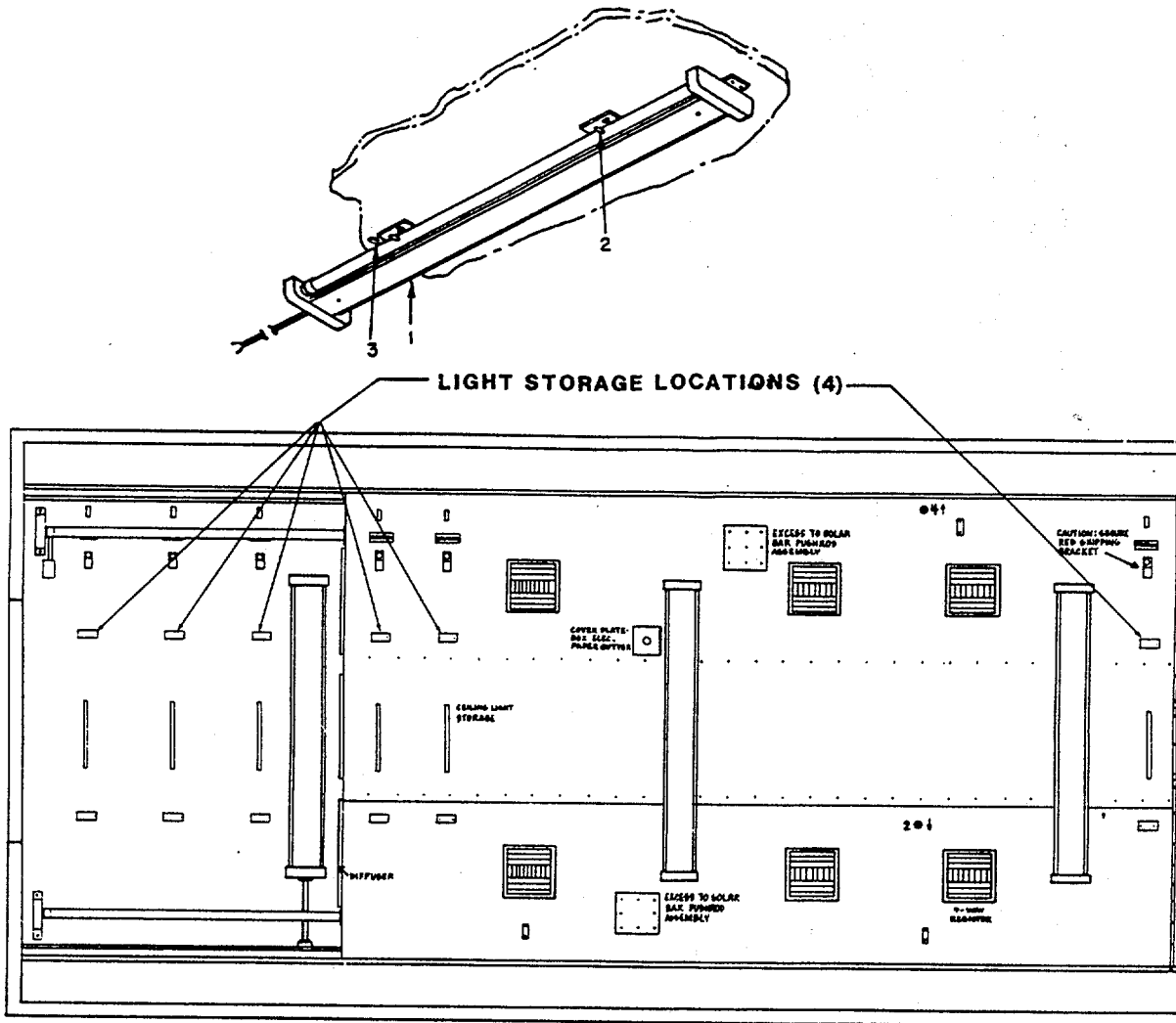


Figure 2-13. Ceiling Light Assemblies, Stored Location (View Looking up at Ceiling)

2-13. ASSEMBLY AND PREPARATION FOR USE. -Continued

- (9) Remove cover and refer to TM 5-3610-299-12&P, Paper Cutter Operation and Maintenance manual for setup instructions for the paper cutter.

d. Connecting Power to Shelter and Power Distribution Box.

- (1) Remove power distribution box from storage location next to islatrol control box and position in accordance with Figure 2-11 site layout.
- (2) Remove power cables from storage under air conditioners.

WARNING

Do not set main circuit breaker CB1 power distribution box to ON position until all shelters have been properly connected to the power distribution box. Module C supervisor is the only person authorized to set main circuit breaker CB1 on power distribution box to ON position. Failure to do so may result in DEATH or serious injury.

CAUTION

Make sure that the main circuit breaker in the Power Distribution Box is in the OFF position before connecting the power cable to the Distribution Box or Shelter. Failure to do so may result in electrical short and damage to equipment.

NOTE

The generator operator will connect the main power cable from the generator set to the Power Distribution Box Assembly.

- (3) Install grounding rod. Connect grounding rod wire to lug (1) on power input panel of the shelter. (Refer to Figure 2-14 for location of grounding rod wire lug.)
- (4) Set main circuit breaker CB1 (1) on the Power Distribution Box in the OFF position. (Refer to Figure 2-15 for location of controls and indicators on Power Distribution Box.)
- (5) Connect power cable to the Finishing Section receptacle (2) on the Power Distribution Box. (Refer to Figure 2-15 for location of receptacle.)

2-13. ASSEMBLY AND PREPARATION FOR USE. -Continued

- (6) Connect power cable to Finishing Section Receptacle (2) on the power input panel of the shelter. (Refer to Figure 2-14 for location of receptacle.)
- (7) Request generator operator to energize power source.

CAUTION

Do not set main circuit breaker CB1 to ON if voltage is below 110 Vac or above 120 Vac on each phase (A, B, or C).

Do not set main circuit breaker CB1 to ON if incorrect phase lamp lights on any phase. Do not set main circuit breaker CB1 to ON unless frequency is 60 ± 1.0 Hz on each phase.

Damage to equipment will result if the above items are not within tolerance. Notify generator operator.

- (8) Read voltmeter (3) on Power Distribution Box control panel. Voltmeter must read between 110 and 120 Vac on phases A, B, and C. (Refer to Figure 2-15 for location of controls and indicators on Power Distribution Box.)

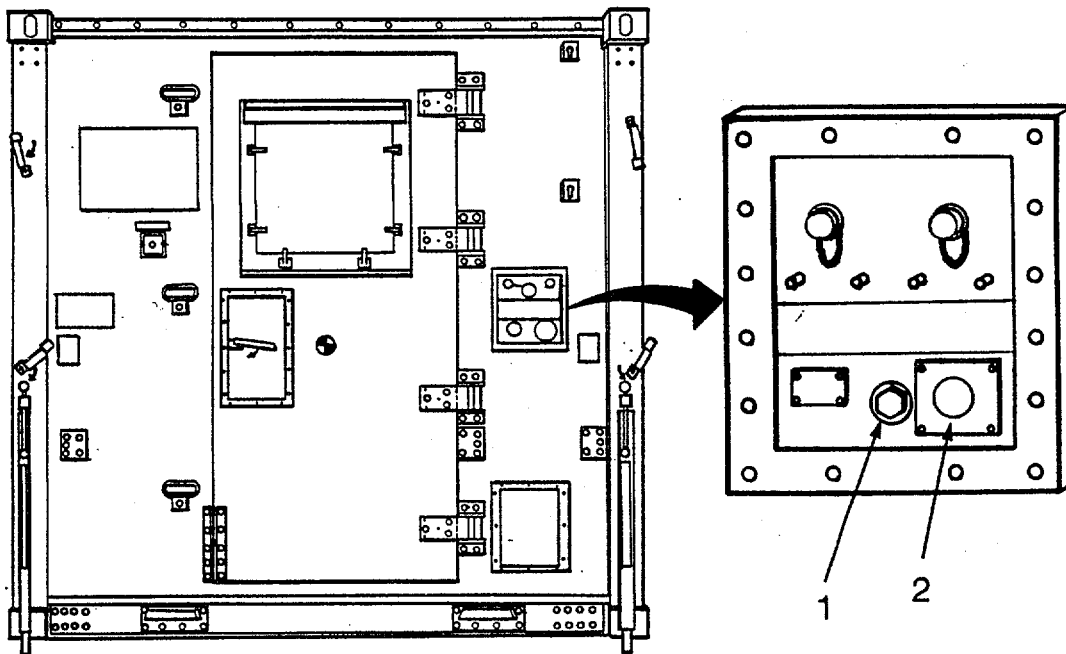


Figure 2-14. Power Cable Connections to Finishing Section Shelter

2-13. ASSEMBLY AND PREPARATION FOR USE. -Continued

- (9) Push down phase test switch (4). Correct phase lamp (5) should light.
- (10) Read Frequency Meter (6) on Power Distribution Box control panel. Frequency meter must read 60 ± 1.0 Hz on phases A, B, and C.

WARNING

Do not set main circuit breaker CB1 power distribution box to ON position until all shelters have been properly connected to the power distribution box. Module C supervisor is the only person authorized to set main circuit breaker CB1 on power distribution box to ON position. Failure to do so may result in DEATH or serious injury.

CAUTION

If main circuit breaker CB1 on Power Distribution Box trips, the fault must be cleared before safe operation can be resumed. Failure to correct the fault will result in damage to the equipment.

- (11) Verify that all shelters are properly grounded, cables are properly connected to the power distribution box and shelters, and notify personnel in all shelters that power will be turned on.
- (12) Set main circuit breaker CB1 (1) on Power Distribution Box to ON position.

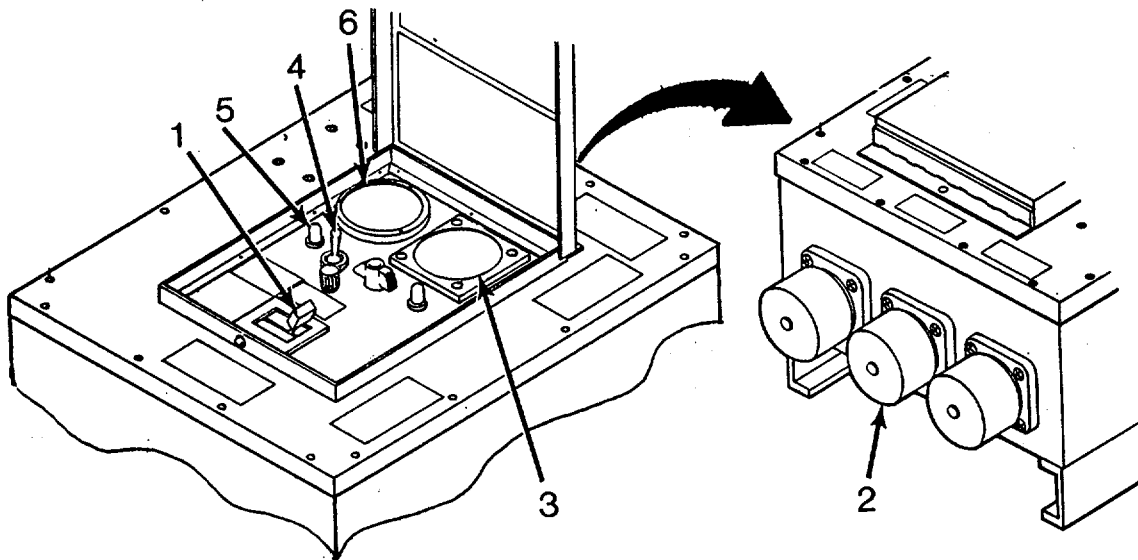


Figure 2-15. Power Distribution Box Controls and Indicators

2-13. ASSEMBLY AND PREPARATION FOR USE. -Continued

- (13) Place all circuit breakers and switches on the Power Distribution Panel inside the shelter in the ON position.
- (14) Place ON/OFF switch on emergency light in ON position.
- (15) Install flexible duct between air conditioner assembly vent and rear shelter wall.
- (16) Verify that cargo door vent assemblies are open and energize air conditioner units and set controls (Heating or Cooling) to desired positions.
- (17) Refer to TM 5-3610-299-12&P Paper Cutter Operations and Maintenance manual and energize the Paper Cutter.

2-14. PREPARATION FOR MOVEMENT.**WARNING**

Never connect or disconnect any power cables when electrical power is energized to the cables. Failure to do so will result in damage to equipment and/or serious injury or DEATH to personnel.

- a. Place all ON/OFF power switches on all operating equipment in the shelter in the OFF position.
- b. Place all circuit breakers and switches on the Power Distribution Panel in the shelter in the OFF position.
- c. Notify personnel in all shelters that power will be shut off, and place main circuit breaker on Power Distribution Box in OFF position.
- d. Notify generator operator to shut down power source and disconnect and stow power cable.
- e. Disconnect power cable between the Power Distribution Box Assembly and the Finishing Section shelter. Roll power cable and place in storage compartment behind cargo doors under AC units. Stow power distribution box in storage location next to islatrol control box. Disconnect grounding rod wire, remove grounding rod, and stow in storage rack.
- f. Return all tools, and materials and other small items to their proper storage locations.

2-14. PREPARATION FOR MOVEMENT. -Continued

- g. Secure all cabinet and storage compartment doors.
- h. Unplug electrical cords of the ceiling fluorescent light assemblies in the expanded sections of the shelter. Remove light assemblies by depressing the safety release button, sliding the light assemblies in their overhead storage locations in the center section of the shelter, secure with red safety release brackets, and secure their electrical cords in their storage clips.

NOTE

Each equipment item to be stowed in the shelter center section is marked with a colored dot. There is a corresponding colored dot on the shelter ceiling and floors. Items are to be stored in the order listed below by matching the colored dot on the equipment with its matching colored dot in the floor and ceiling of the shelter center section.

- i .Refer to Figure 2-16 and stow equipment in the following order.
 - (1) Roll up floor mat and place in storage location, and place cover on paper cutter.
 - (2) Place the folding chair with the white dot in position over the white dot on the shelter floor.
 - (3) Place the office cabinet with yellow dot in position over the yellow dot on the shelter floor.
 - (4) Place the two-shelf table with black dot on top of the paper storage rack with green dot, and under the black dot in the shelter ceiling.
 - (5) Place paper storage rack with green dot in position over green dot on shelter floor.

2-14. PREPARATION FOR MOVEMENT. -Continued

- (6) Place paper storage rack with red dot in position over the red dot on the shelter floor.
- (7) Place the platemaker with blue dot in position over the blue dot on the shelter floor.
- (8) Place developing tray with brown dot in position with the brown dot on shelf table and secure with rubber ropes.
- (9) Place stools, tool box and waste can in storage locations shown in Figure 2-16 and secure in place with rubber tie downs. Remove flexible air conditioner duct and stow inside waste can.

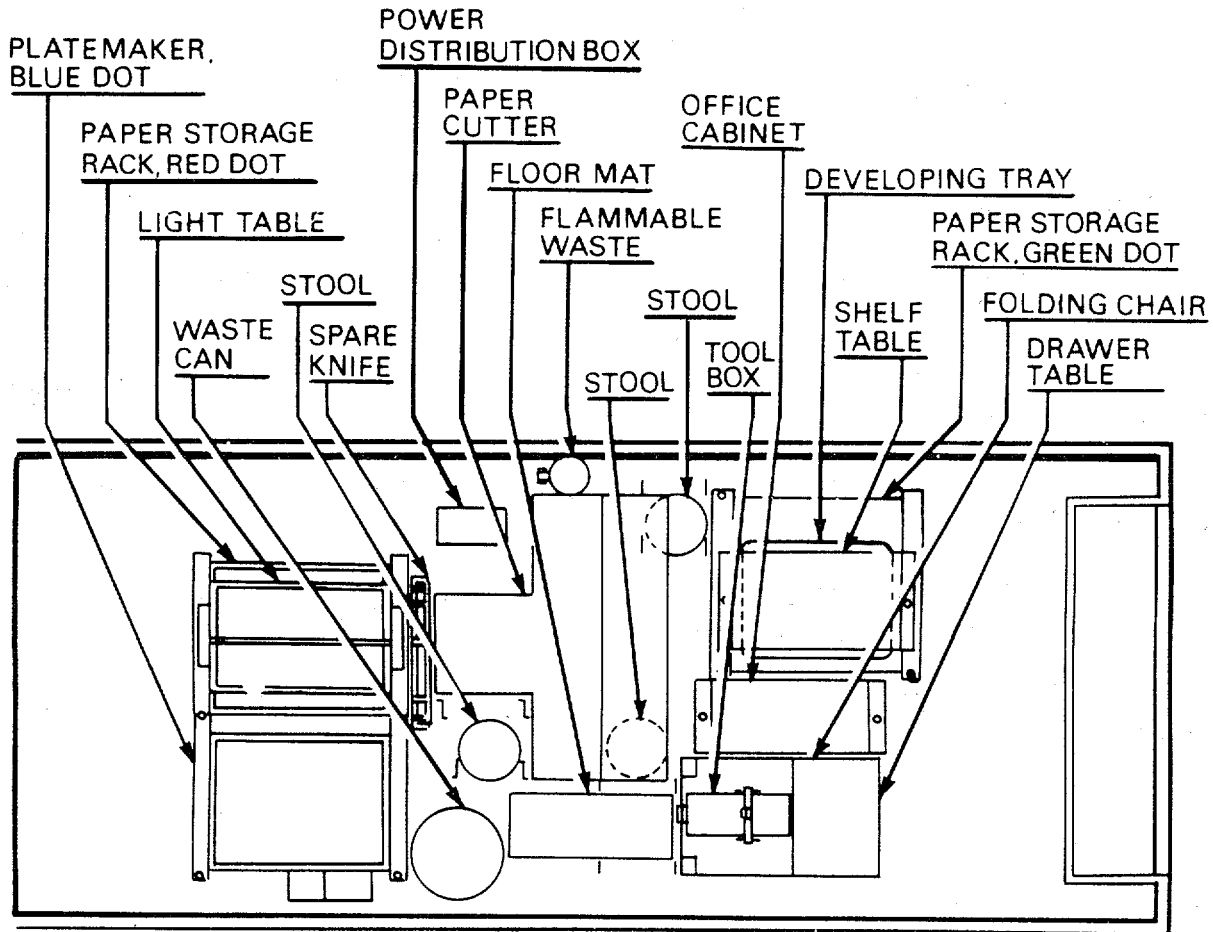


Figure 2-16. Finishing Section Equipment Storage Location

- j. Strike the Finishing Section Shelter. Refer to TM 10-5411-200-14 for striking procedures.

2-15. OPERATING INSTRUCTIONS ON DECALS. Figures 2-17 through 2-26 below identify warnings, cautions and data plate decals on equipment in the Finishing Section.

- a. Power Distribution Panel. Circuit breaker and switch numbers are listed on an index card on the inside of the door.

| | |
|----------------|---|
| PANEL BOARD | |
| 120/208V | PH. 3 DATE: |
| FED FROM PANEL | |
| CIR | LOAD DESCRIPTION |
| 1 | AIR CONDITIONER/HEATER 36000 BTU |
| 2 | AIR CONDITIONER/HEATER 24000 BTU |
| 3 | OUTLETS J-18, J-19, J-20 |
| 4 | PAPER CUTTER |
| 5 | OUTLETS J-12 THRU J-17, J-25 |
| 6 | CEILING LIGHTS BLACKOUT BUZZER |
| 7 | OUTLETS J-21, J-22, J-23, J-24; AC ROOM LIGHT |
| 8 | EXTERIOR OUTLETS (GROUND FAULT) |
| 9 | SPARE |
| 10 | |
| 11 | SPARE |
| 12 | |
| 13 | SPARE |
| 14 | |
| | |
| | |
| | |
| | |

Figure 2-17. Power Distribution Panel Index Card

- b. Power Distribution Box. Figures 2-18 and 2-19 below identify decals and data plates on the Power Distribution Box.

2-15. OPERATING INSTRUCTIONS ON DECALS. -Continued

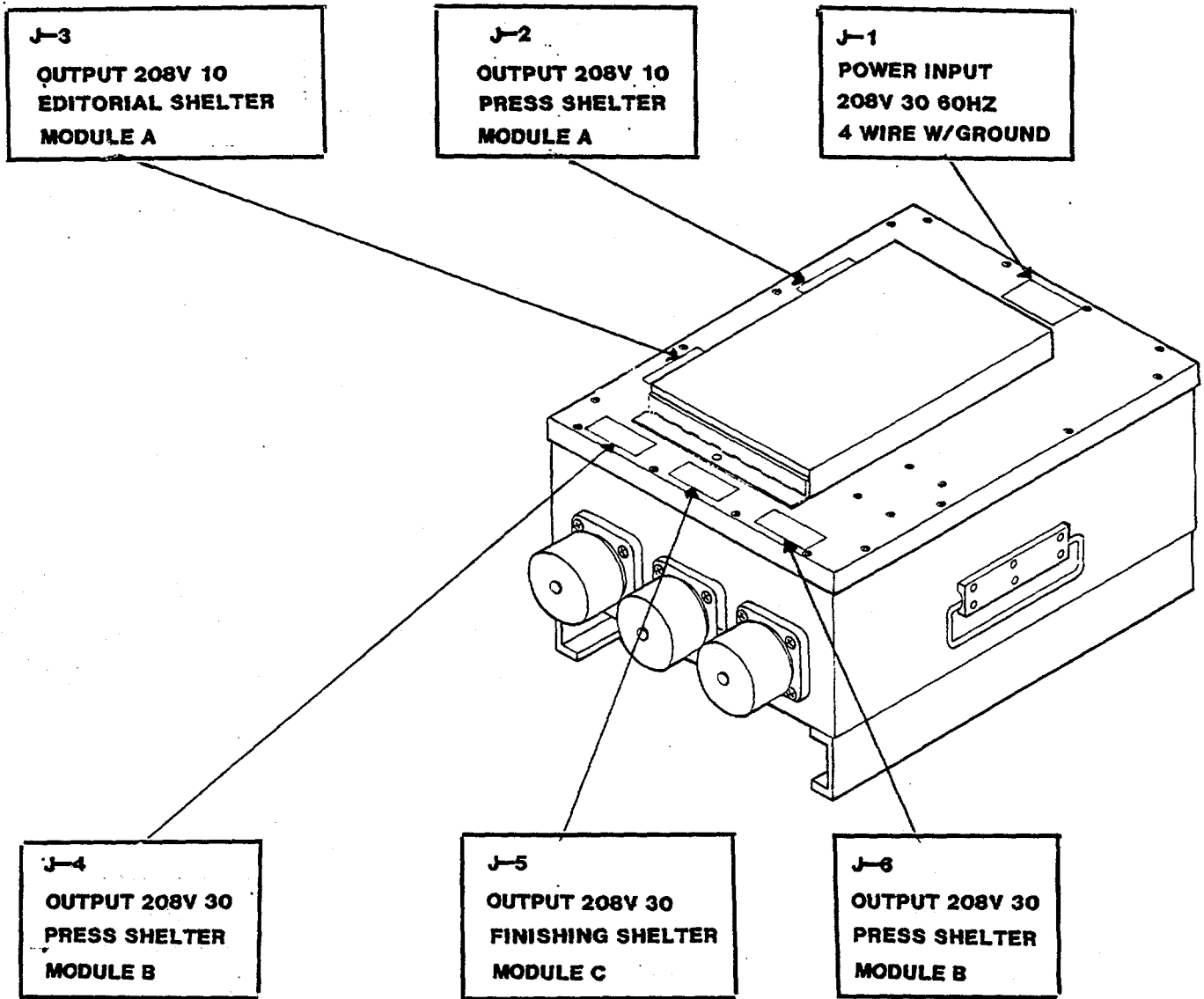


Figure 2-18. Power Distribution Box Decal Locations (Outside)

2-15. OPERATING INSTRUCTIONS ON DECALS. -Continued

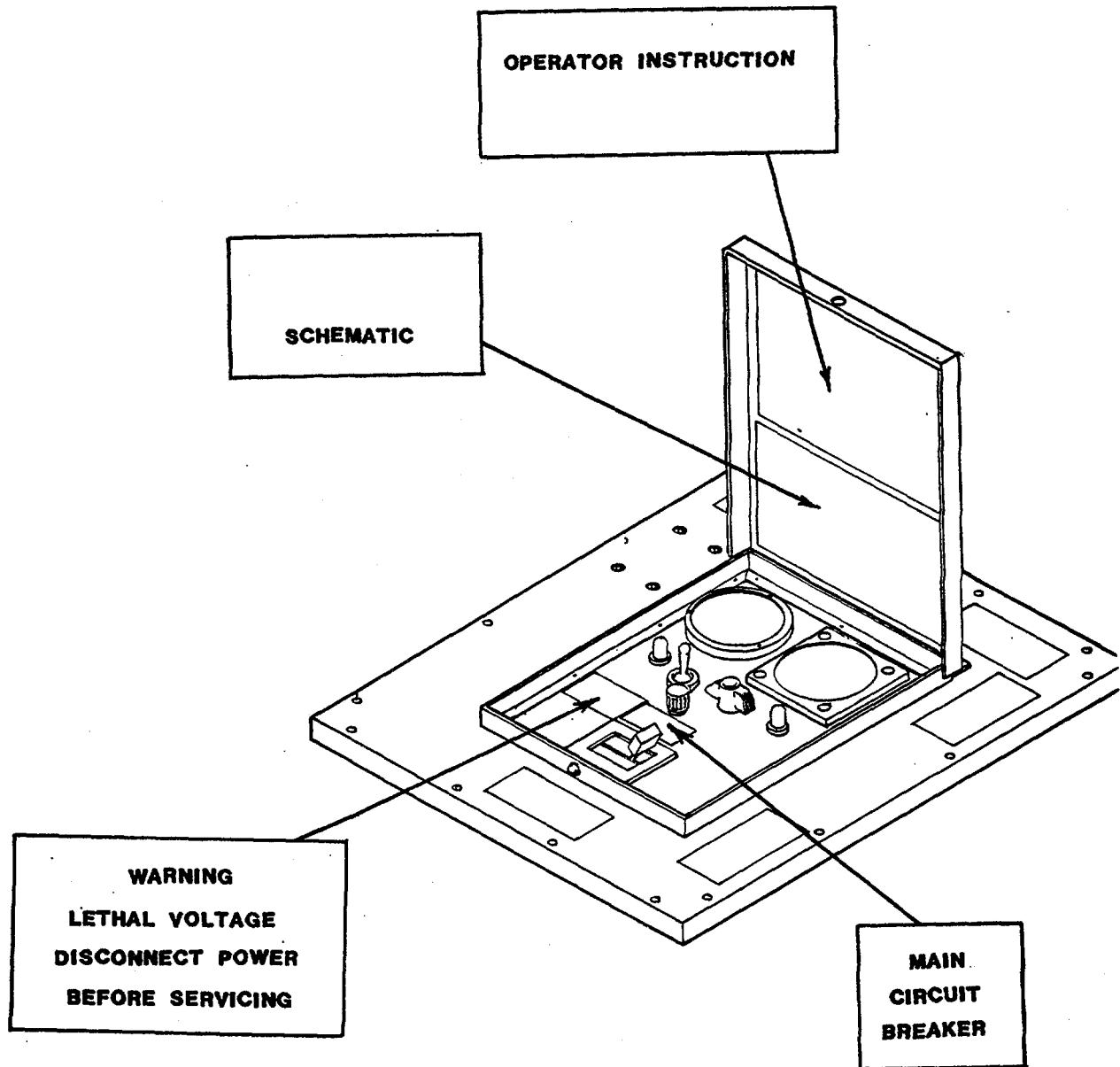


Figure 2-19. Power Distribution Box Decal Locations (Inside)

2-15. OPERATING INSTRUCTIONS ON DECALS. -Continued

c. Paper Cutter. Figure 2-20 identifies decals and data plates added to the paper cutter.

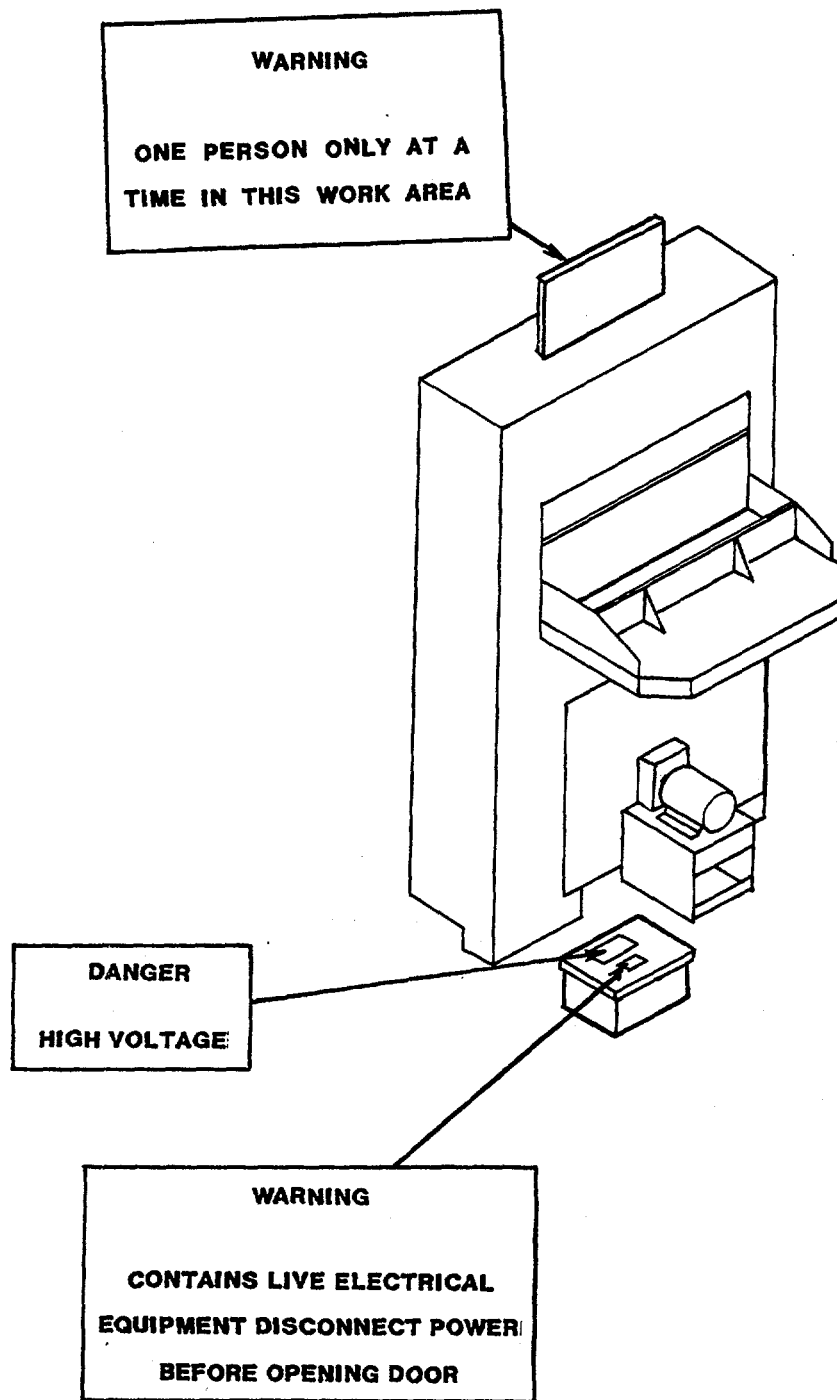


Figure 2-20. Paper Cutter Decals and Data Plates

2-15. OPERATING INSTRUCTIONS ON DECALS. -Continued

- d. Air Conditioner Assembly. Figure 2-21 identifies decals for the air conditioner assembly.

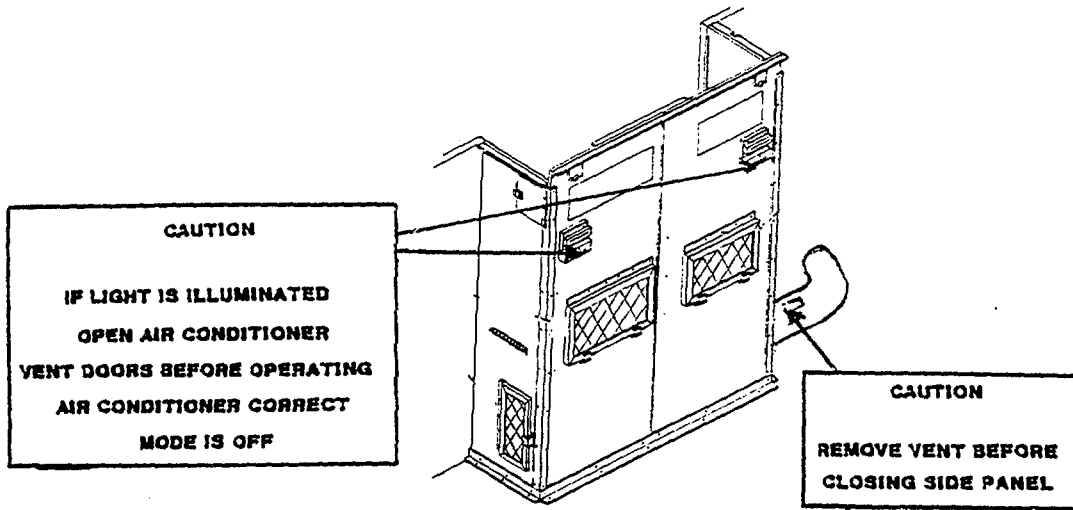


Figure 2-21. Air Conditioner Assembly Decals

- e. Emergency Light. Figure 2-22 identifies decals for the emergency light.

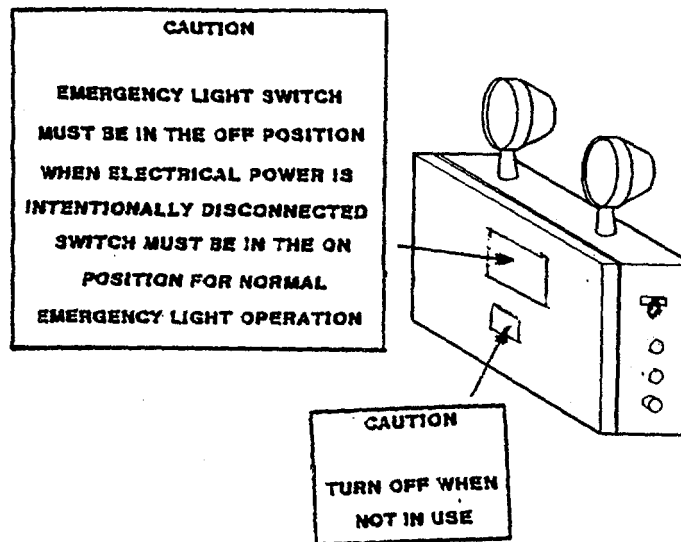


Figure 2-22. Emergency Light Decals

2-15. OPERATING INSTRUCTIONS ON DECALS. -Continued

- f. Drawer Table. Figure 2-23 identifies decals for the drawer table.

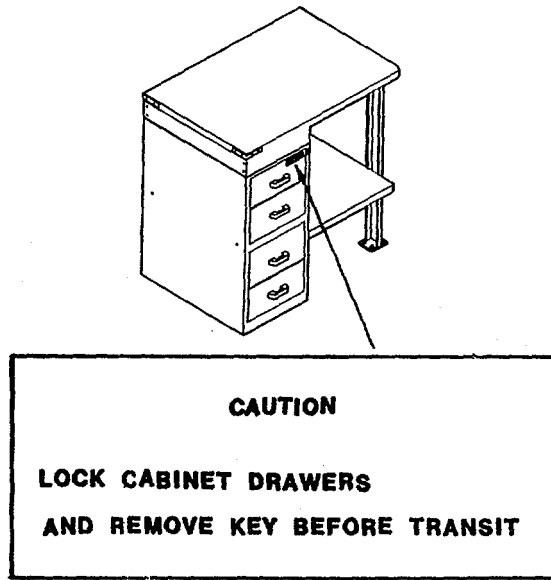


Figure 2-23. Drawer Table Decals

- g. Fire Extinguishers. Figure 2-24 identifies decals for the fire extinguishers.

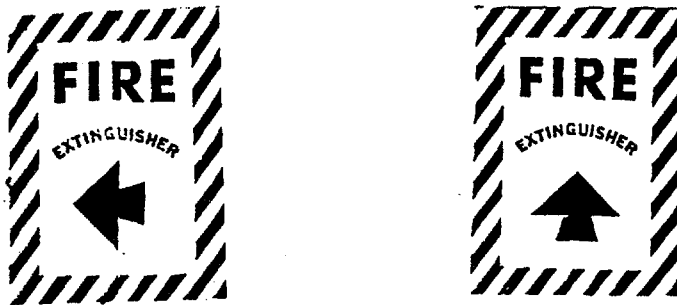


Figure 2-24. Fire Extinguisher Decals

2-15. OPERATING INSTRUCTIONS ON DECALS. -Continued

- h. Slide Hammer and Grounding Rod. Figure 2-25 identifies decals for the slide hammer and grounding rod.

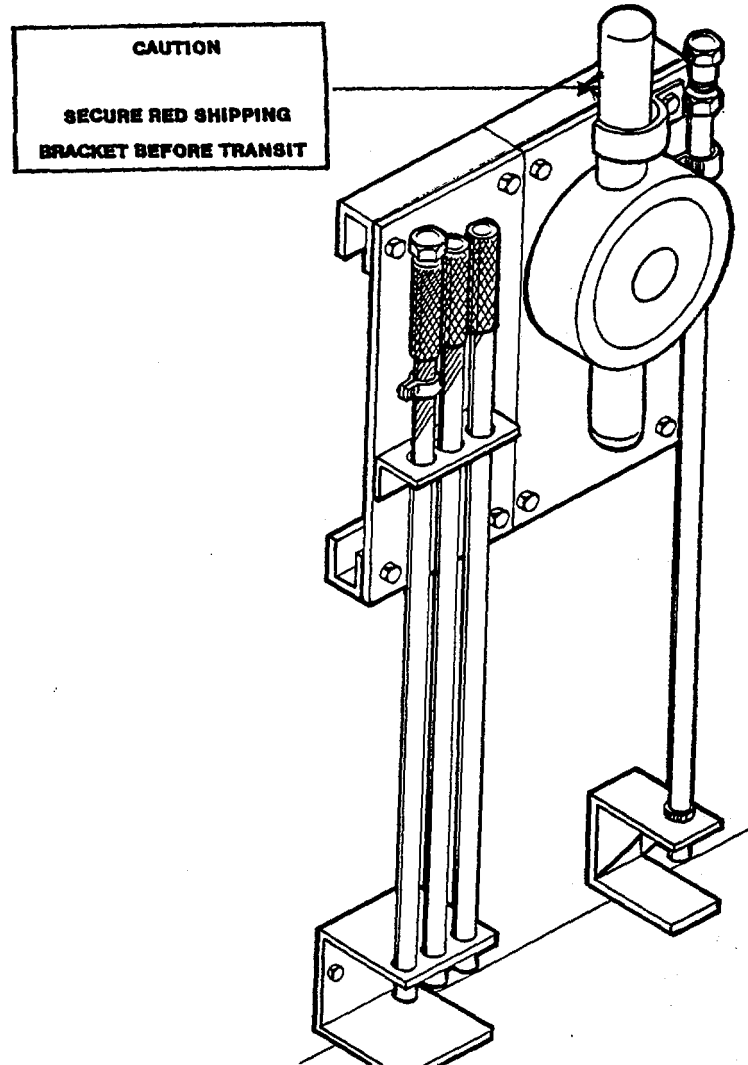


Figure 2-25. Slide Hammer and Grounding Rod Decals

2-15. OPERATING INSTRUCTIONS ON DECALS. -Continued

- i. External Shelter. Figure 2-26 identifies decals and data plates added to the outside of the shelter.

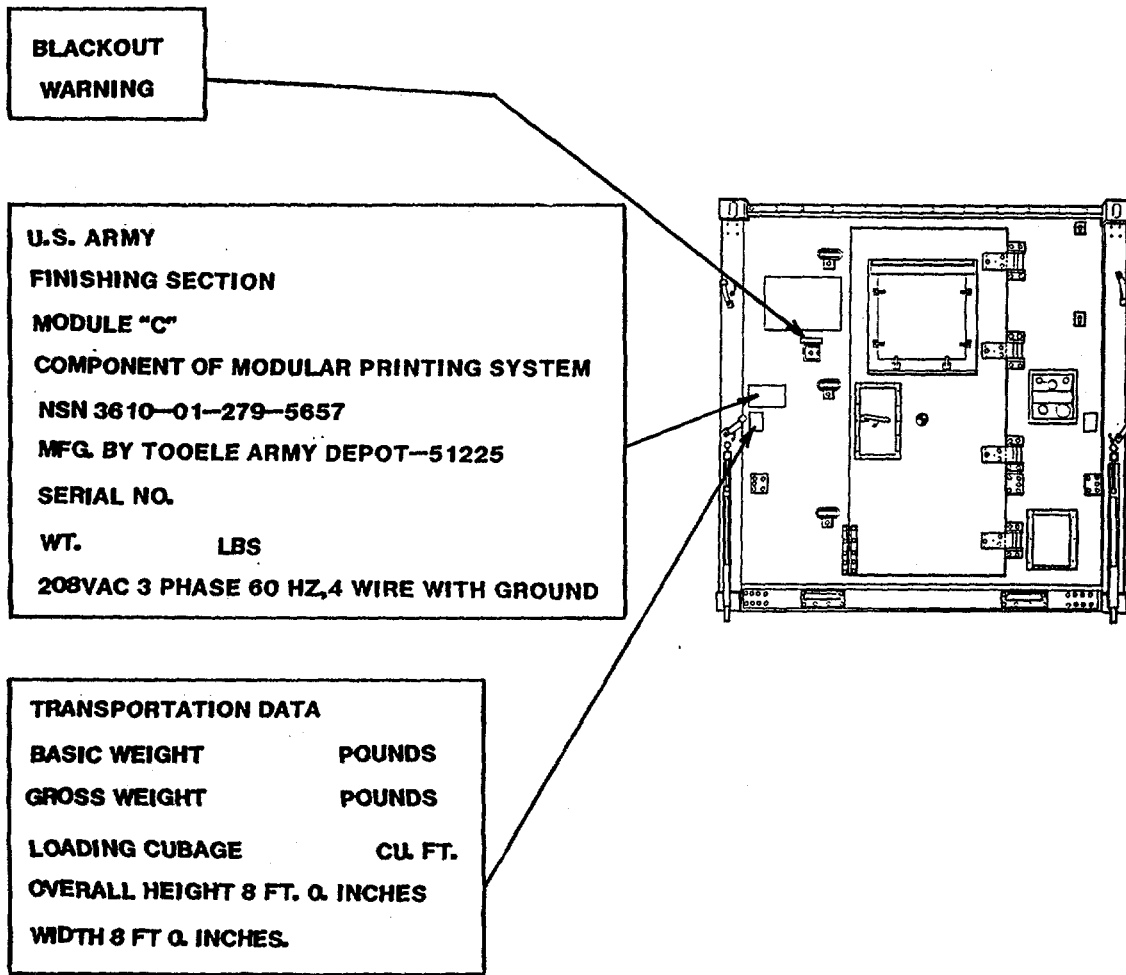


Figure 2-26. External Shelter Decals and Data Plates

SECTION IV. OPERATION UNDER UNUSUAL CONDITIONS**2-16. OPERATION IN EXTREME COLD.****WARNING**

In extreme cold, do not touch metal parts with bare hands. Severe skin damage may result.

- a. Shelter. Refer to TM 10-5411-200-14 for general operation of the shelter in ice, snow or extreme cold.
- b. Internal Operation. The Finishing Section is normally operated with the AC units energized and is therefore not affected by the outside temperature. Upon initial setup bring shelter temperature to a minimum of 60°F before turning on paper cutter.
- c. External Power Cable. The main power cable and grounding cables will hard, brittle and difficult to handle in extreme cold. Do not allow cables to kink resulting in permanent damage.
- d. Connector Receptacles. Ensure that cable connectors and receptacles are free from frost, snow or ice.
- e. Liquid Supplies. Remove all liquids from the shelter when the heaters are not operating or when preparing the shelter for transport. Containers may freeze and break and damage internal equipment or paper supplies.

2-17. OPERATION IN EXTREME HEAT.

- a. Consumable Supplies. Protect consumable supplies from extreme heat to prevent reduced shelf-life.
- b. Internal Components. Frequently inspect gaskets, seals and insulation for deterioration.

2-18. OPERATION IN TROPICAL CONDITIONS.

- a. Heat and Humidity Control. Keep doors closed and ensure that AC units are operating properly.
- b. Internal Equipment and Supplies. Inspect equipment, documents and supplies frequently for signs of fungi, mildew or mold.

2-19. OPERATION IN DESERT CONDITIONS.

- a. Shelter Interior. Use extreme care to prevent dust, grit or sand from entering the shelter. Vacuum and dust frequently to protect equipment and supplies.
- b. AC Unit Filters. Inspect air filters frequently and clean or change as necessary.

CHAPTER 3. OPERATOR MAINTENANCE

SECTION I. LUBRICATION INSTRUCTIONS

3-1. GENERAL. Lubrication of equipment of the Finishing Section is mandatory and must be performed routinely to keep equipment in operation. The following paragraphs describe operator lubrication instructions.

3-2. PAPER CUTTER. Refer to TM 5-3610-299-12&P, Paper Cutter Operation and Maintenance manual for lubrication instructions.

3-3. AIR CONDITIONERS (24,000 BTUH and 36,000 BTUH). Lubricate hinges (1) on all air vent doors using lubricant (Appendix E, item 4). Refer to Figure 3-1. Wipe off excess lubricant. Refer to TM5-4120-395-14&P for detailed lubrication instructions on the 24,000 BTUH Air Conditioner and to TM 5-4120-396-14&P for detailed lubrication instructions on the 36,000 BTUH Air Conditioner.

3-4. FLIP-TOP PLATEMAKER. Refer to TM 5-3610-305-12&P.

3-3. AIR CONDITIONERS (24,000 BTUH AND 36,000 BTUH). - Continued

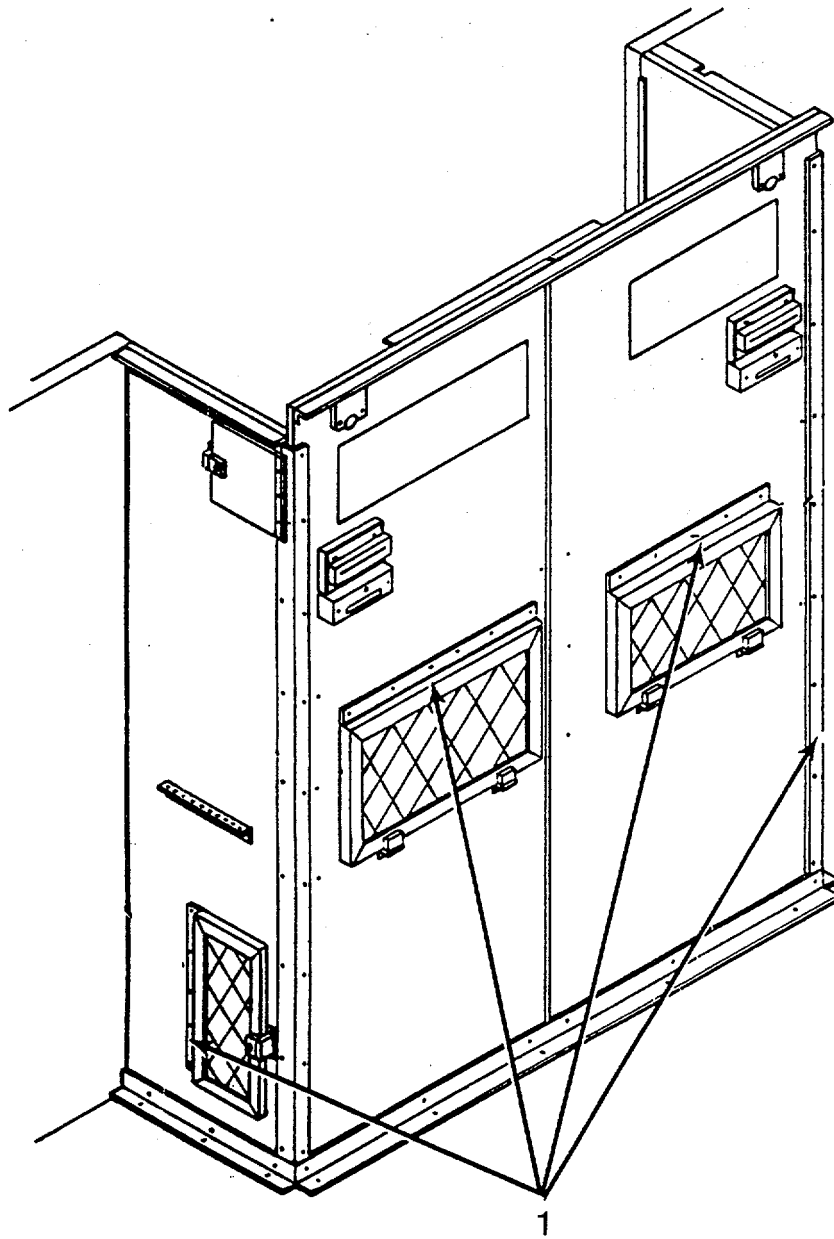


Figure 3-1. Air Conditioner Air Vent Door Hinges.

3-4. CARGO DOORS AC VENT ASSEMBLIES. Refer to Figure 3-2. Lubricate hinges (1) on cargo doors AC vent assemblies (2) with lubricant (Appendix E, item 4). Wipe off excess lubricant.

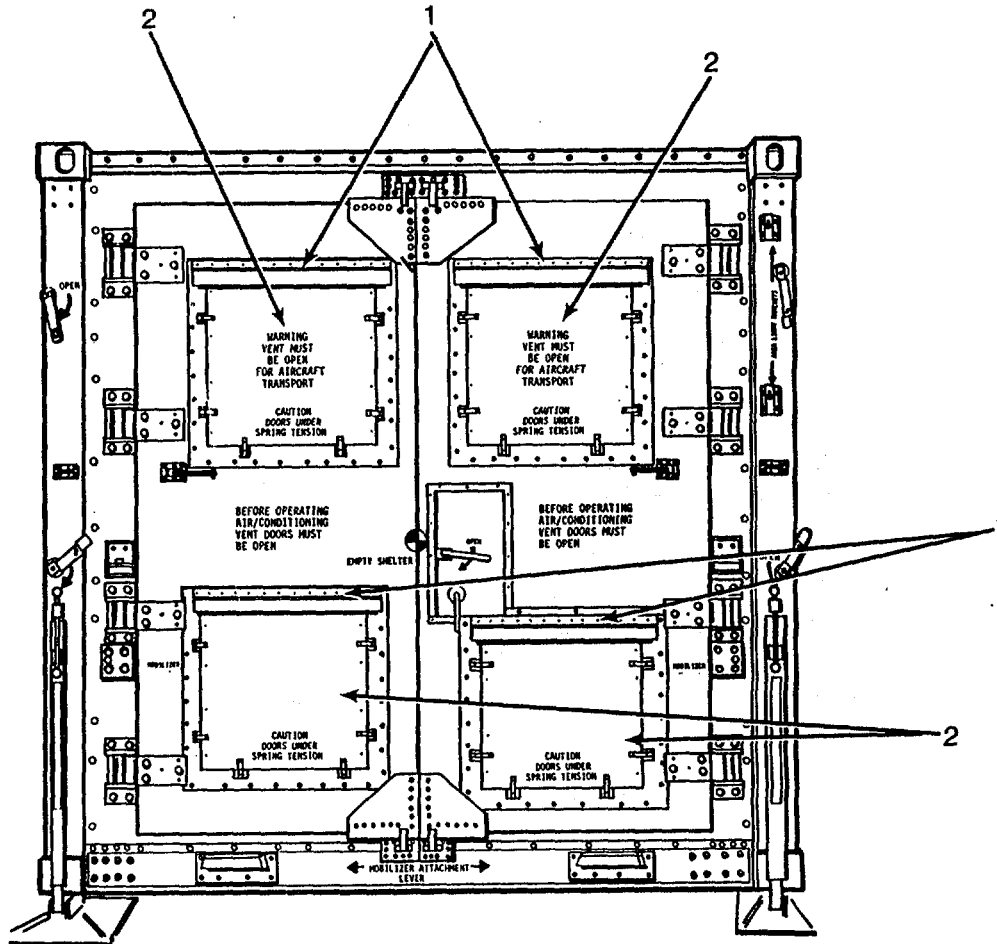


Figure 3-2. Cargo Doors AC Vent Assemblies

3-5. POWER DISTRIBUTION BOX ASSEMBLY. Lubricate control panel cover hinge with lubricant (Appendix E, item 4). Refer to figure 3-3. Wipe off excess lubricant and do not allow lubricant to enter the power distribution box. Do not lubricate when in operation.

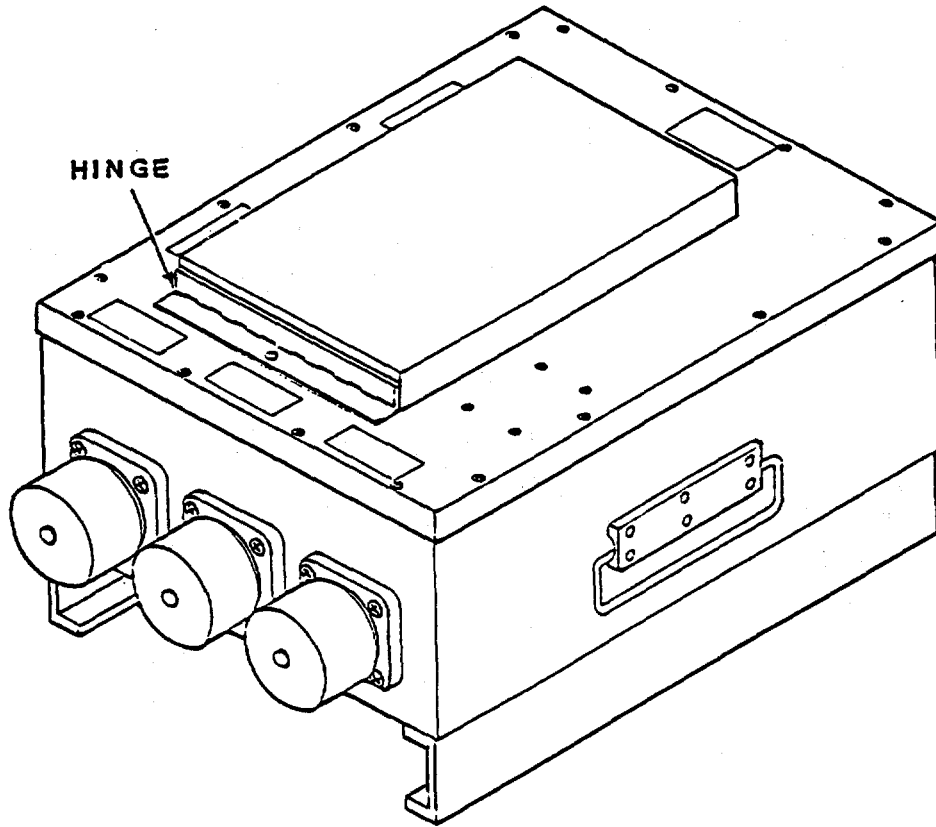


Figure 3-3. Power Distribution Box Assembly Cover Hinge

SECTION II. TROUBLESHOOTING PROCEDURES**3-6. GENERAL.**

a. This section contains troubleshooting information for locating and correcting most of the Finishing Section. Each malfunction for an individual component or unit is followed by a list of tests or inspections which will help you to determine corrective actions in order listed.

b. This manual cannot list all malfunctions that may occur, nor all tests or inspections and corrective actions. If a malfunction is not listed, or is not corrected by listed corrective actions, notify your supervisor.

c. Table 3-1 lists the common malfunctions which you may find during operation of the Finishing Section or its components. You should perform tests or inspections and corrective actions in the order listed.

WARNING

High voltage exists in the electrical components of this equipment. DEATH on contact may result if personnel fail to observe safety precautions.

NOTE

If you suspect a problem, you should first verify that the start-up procedures have been properly performed before continuing with troubleshooting.

3-6. GENERAL. - Continued

Table 3-1. Operator Troubleshooting

| MALFUNCTION | TEST OR INSPECTION | CORRECTIVE ACTION |
|---|--|-------------------------------------|
| 1. DOOR BLACKOUT SWITCH ASSEMBLY DOES NOT OPERATE. | Check to make sure blackout switch on the power distribution panel is ON. | Turn switch ON. |
| 2. ISLATROL CONTROL BOX ASSEMBLY DOES NOT ALLOW PAPER CUTTER TO OPERATE. | Check to make sure circuit breaker switch on power distribution panel is in the ON position. | Turn circuit breaker ON. |
| 3. CARGO DOOR VENT ASSEMBLY DOES NOT OPERATE PROPERLY. | Step 1. Check vent doors (4 ea) for proper opening and closing. | Lubricate hinges. |
| | Step 2. Check vent assembly switches for proper operation. | Notify unit maintenance of trouble. |
| | Step 3. Check vent doors for dents or bends and for loose or missing hardware. | Notify unit maintenance of trouble. |
| | Step 4. Check door latches for proper operations and for broken or missing parts. | Notify unit maintenance of trouble. |

3-6. GENERAL. - Continued

Table 3-1. Operator Troubleshooting - Cont.

| MALFUNCTION | TEST OR INSPECTION | CORRECTIVE ACTION |
|--|--|---|
| 4. AIR CONDITIONER ASSEMBLIES, 24,000 BTUH AND 36,000 BTUH, MOUNTING BRACKET ASSEMBLY LOOSE OR SHAKY. | Step 1. Check mounting bolts for tightness and for missing hardware. | Notify unit maintenance of loose or missing hardware. |
| | Step 2. Check bracket assembly for bent or broken metal strips. | Notify unit maintenance of trouble. |
| 5. AIR CONDITIONER DUCTING ASSEMBLY DOES NOT CONTROL AIR FLOW. | Step 1. Ensure that duct vents are adjusted for desired air flow. | Adjust duct vents, as necessary. |
| | Step 2. Check for damaged or broken vent doors. | Notify unit maintenance of trouble. |
| 6. AIR CONDITIONER HOUSING ASSEMBLY DOES NOT OPERATE PROPERLY. | Step 1. Check vent doors for ease of operation. | Lubricate vent doors. |
| | Step 2. Check housing for general condition (dents, gouges, or broken hinges.) | Notify unit maintenance of trouble. |

3-6. GENERAL. - Continued

Table 3-1. Operator Troubleshooting - Cont.

| MALFUNCTION | TEST OR INSPECTION | CORRECTIVE ACTION |
|--|--|--|
| 7. POWER DISTRIBUTION PANEL DOES NOT OPERATE. | Step 1. Check to make sure power cable is connected and power is on. | Request Module C supervisor connect power cable and turn on power. |
| | Step 2. Check circuit breakers to make sure they are on. | Turn switches on. |
| 8. AIR CONDITIONER UNITS (24,000 AND 36,000 BTUH) DO NOT OPERATE. | Step 1. Verify that AC circuit breaker is on at the power distribution panel. | Turn circuit breaker ON. |
| | Step 2. Check thermostat for proper temperature setting and heat/cool switch setting for COOL or HEAT. | Set heat/cool switch on thermostat to desired setting (HEAT or COOL) and adjust temperature set point lever. |
| | Step 3. Check heat access doors on cargo door vent assemblies. | Open air conditioner vents. |
| | Step 4. Verify that AC dampers are open. | Open AC dampers. |

3-6. GENERAL. - Continued

Table 3-1. Operator Troubleshooting - Cont.

| MALFUNCTION | TEST OR INSPECTION | CORRECTIVE ACTION |
|---|---|---|
| 9. PAPER CUTTER ASSEMBLY FAILS TO OPERATE. | Step 1. Check power distribution panel circuit breaker to make sure it is on. | Set power distribution panel circuit breaker to ON. |
| | Step 2. Refer to TM 5-3610-299-12&P, Paper Cutter Operation and Maintenance manual to make sure paper cutter is set up for operation. | Program paper cutter for operation. |
| 10. POWER DISTRIBUTION BOX ASSEMBLY DOES NOT OPERATE PROPERLY. | Ensure that power cable from power source is connected and that power is on. | Connect power cable and energize power source. |
| | Notify unit maintenance of trouble. | |
| 11. LIGHT TABLE WILL NOT ILLUMINATE. | Ensure that power cable is connected and that power is on. | Connect power cable and/or turn light table on. |
| | Check for defective fluorescent tubes. | If necessary, refer to Unit Maintenance for service/repair. |
| 12. FLIP-TOP PLATEMAKER. | Refer to TM 5-3610-305-12&P for troubleshooting procedures. | |

SECTION III. OPERATOR MAINTENANCE PROCEDURES

3-7. GENERAL. Operator maintenance includes routine lubrication of units and components of the Finishing Section, replacing of filters, and replacing of fluorescent light bulbs. If further maintenance is required, notify your supervisor.

3-8. CEILING LIGHT ASSEMBLY.

This task covers: Repair (Refer to figure 3-4).

INITIAL SETUP**Tools**

None

Materials

Fluorescent light bulb

WARNING

This fixture contains voltage that is dangerous if contacted. Before replacing ceiling lights, make sure electrical power is disconnected to the fixture. DEATH on contact may result if this warning is not followed.

WARNING

In the event of fluorescent lamp breakage, care must be taken in the removal of broken glass fragments and white phosphorous dust. Inhalation of phosphorous dust could cause serious injury.

a. Remove light bulb (1) and safety cover (2) by pulling split safety ring (3) apart and sliding over bulb. Push bulb (1) toward end with split safety ring (3) until other end of bulb (1) releases. Remove end cap (4). Slide bulb (1) out of safety cover (2) and replace with new bulb (1).

NOTE

End of light bulb and safety cover with split safety ring must go in end of ceiling light assembly with spring.

3-7. CEILING LIGHT ASSEMBLY. - Continued

b. Install light bulb (1) into safety cover (2) and replace end cap (4). Insert end with split safety ring (3) into spring end of ceiling light assembly and press toward spring end until other end of light bulb (1) and safety cover (2) seats. Install split safety ring (3).

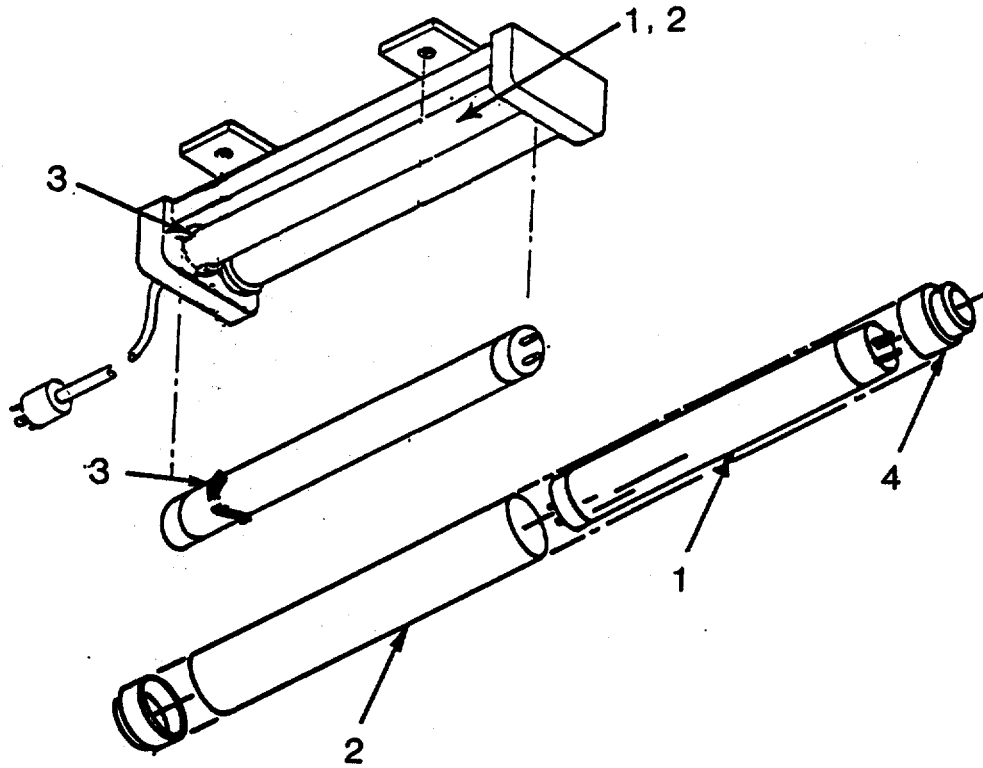


Figure 3-4. Ceiling Light Assembly

3-9. REPLACING INTERIOR AC FILTERS.

This task covers: Repair (Refer to figure 3-5.)

INITIAL SETUP

Tools

None

Materials

AC Filters

- a. Open AC vent door (1).
- b. Remove filter (2).
- c. Install new filter (2).
- d. Close and secure AC vent door (1).

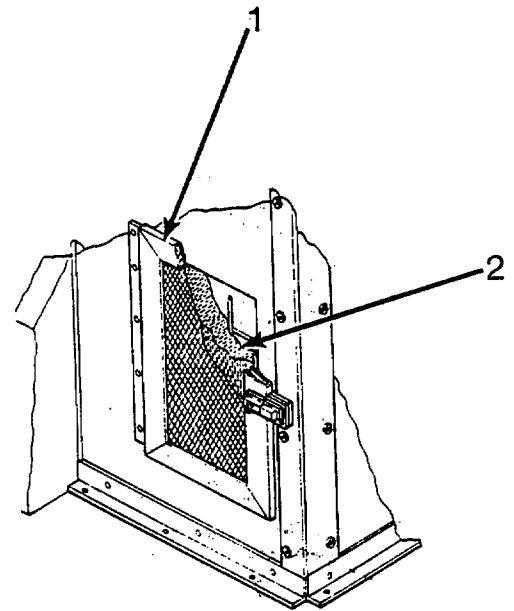


Figure 3-5. AC Filters

3-10. CARGO DOOR VENT ASSEMBLY FILTERS.

This task covers: Repair (Refer to figure 3-6.)

INITIAL SETUP

Tools

None

Materials

Air Filter

3-10. CARGO DOOR VENT ASSEMBLY FILTERS. - Continued

- a. Remove screws (1), lockwashers (2), flat washers (3), and vent door (4).
- b. Remove filter (5).
- c. Install new filter (5).
- d. Position vent door and secure with flat washers (3), lockwashers (2), and screws (1).

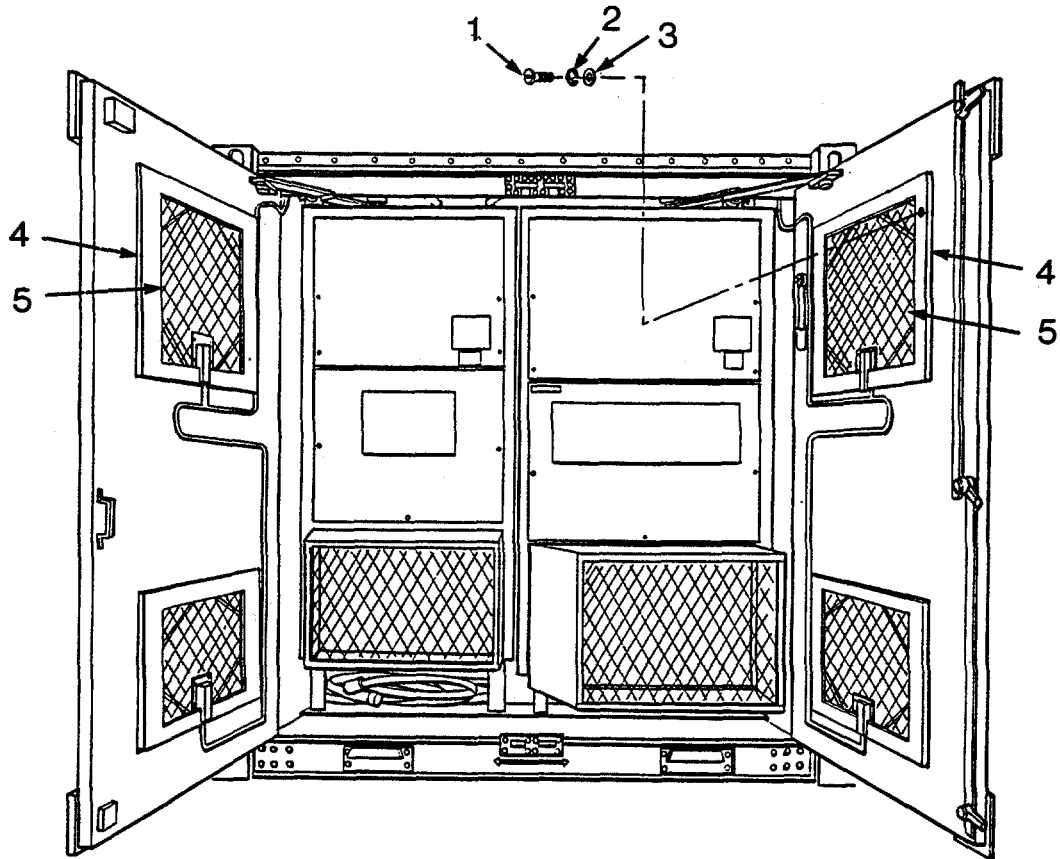


Figure 3-6. Cargo Door Vent Filters

CHAPTER 4. UNIT MAINTENANCE

SECTION I. UNIT LUBRICATION INSTRUCTIONS

4-1. GENERAL. There are no lubrication procedures performed by unit maintenance. All routine lubrication of the Finishing Section is performed by the operator.

SECTION II. REPAIR PARTS, SPECIAL TOOLS, TMDE AND SUPPORT EQUIPMENT

4-2. COMMON TOOLS AND EQUIPMENT.

- a. Appendix B, Section III contains the authorized common tools.
- b. For authorized equipment, refer to the Modified Table of Organization and Equipment (MTOE) applicable to your unit.

4-3. SPECIAL TOOLS, TMDE AND SUPPORT EQUIPMENT.

- a. A special tool, hand blind riveter, Appendix B, Section III, item 4 is used for general riveting using blind rivets.
- b. Multimeter, Appendix B, Section III, item 3 is used to perform all continuity/voltage test on the Finishing Section.
- c. Electrical equipment tool kit, Appendix B, Section III, item 2 is used to repair wiring.
- d. General mechanics automotive tool kit, Appendix B, Section III, item 1 is used to remove and replace all mechanical parts of the shelter and equipment.

4-4. REPAIR PARTS. Repair parts covering unit maintenance for the Finishing Section are listed and illustrated in Appendix F of this manual.

SECTION III. SERVICE UPON RECEIPT OF EQUIPMENT

4-5. SETUP OF SHELTER. Refer to TM 10-5411-200-14 for shelter set up procedures.

4-6. SHELTER INVENTORY CHECK. Refer to TM 10-5411-200-14 for general shelter inventory checks.

4-7. SHELTER AND FINISHING SECTION INSPECTION CHECKLIST.

a. Shelter Checklist. Refer to TM 10-5411-200-14 for shelter inspection checklist.

b. Finishing Section Checklist. Table 4-1 below lists items in the Finishing Section that must be checked and the action required.

Table 4-1. Finishing Section Checklist

| ITEM | ACTION |
|--------------------------------------|--|
| 1. Power Distribution Panel | Check circuit breakers and switches for damages or loose hardware. |
| 2. Emergency Light switches. | Check for damaged or broken lights or |
| 3. Hygrometer | Check for broken indicators or glass cover. |
| 4. Islatrol Control Box | Insure that it is secure and no hardware is |
| 5. loose or missing. Paper cutter | Refer to TM 5-3610-299-12&P, Paper Cutter Operation and Maintenance manual for inspection and check list procedures. |
| 6. Phase Monitor Meter | Inspect switches, lights and indicators for damage. |
| 7. Thermostat | Inspect for damaged cover or broken indicators. |
| 8. AC Units | Inspect switches, controls and vent assemblies for damage. |
| 9. AC Ceiling Duct Assembly | Check for damaged air flow vents. |

4-7. SHELTER AND FINISHING SECTION INSPECTION CHECKLIST. - Continued

Table 4-1. Finishing Section Checklist (Cont.)

| ITEM | | ACTION |
|------|----------------------------|--|
| 10. | Ceiling Light Assemblies | Check for loose or broken bulbs or missing hardware. |
| 11. | Cargo Door Vent Assemblies | Check for damages and operation. |
| 12. | Power Distribution Box | Check housing, control panel door, and operator controls and indicators for damages. |
| 13. | Paper Storage Racks | Check for damaged or loose hardware. |
| 14. | Drawer Table | Check for damaged or loose hardware. |
| 15. | Shelf Table | Check for damaged or loose hardware. |
| 16. | Office Cabinet | Check for damaged or loose hardware. |
| 17. | Platemaker | Open flip top section and check glass and bulb for damage. |
| 18. | Light Table | Check for loose or broken fluorescent tubes and missing hardware. |

SECTION IV. PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)

4-8. GENERAL. There are no preventive maintenance checks and services (PMCS) at unit level maintenance.

SECTION V. UNIT TROUBLESHOOTING

4-9. GENERAL. This section contains unit troubleshooting information for locating and correcting common malfunctions which may develop in the Finishing Section.

WARNING

The Finishing Section contains voltages that are, dangerous if contacted. When troubleshooting, observe all safety warnings and precautions. Make sure power is disconnected before replacing or repairing electrical components. Failure to do so may result in serious electrical shock or DEATH.

Each malfunction for an individual component is followed by a list of tests or inspections which will help you to determine corrective actions in the order listed. This manual cannot list all malfunctions that may occur, nor all tests or inspections and corrective actions. If a malfunction is not listed, or is not corrected by listed corrective actions, notify intermediate direct support maintenance.

4-10. UNIT TROUBLESHOOTING. Table 4-2 lists the common malfunctions which you may find during operation or maintenance of the Finishing Section or its components. You should perform the tests or inspections and corrective actions in the order listed.

NOTE

Before you use this table, be sure you have performed all applicable Operator and Unit Preventive Maintenance Checks and Services.

4-10. UNIT TROUBLESHOOTING. - Continued

Table 4-2. Unit Troubleshooting

| MALFUNCTION | TEST OR INSPECTION | CORRECTIVE ACTION |
|---|---|---|
| 1. ISLATROL CONTROL BOX ASSEMBLY DOES NOT ALLOW PAPER CUTTER TO OPERATE. | Step 1. Test line terminal board for 208 ± 10 Vac on each phase (A, B, C). (Refer to paragraph 4-12.) | If correct voltage is present, continue with Step 2. If not, check paper cutter circuit breaker. (Refer to TM 10-5411-200-14.) If circuit breaker is good, notify Depot Maintenance. |
| | Step 2. Test load terminal board for 208 ± 10 Vac on each phase (A, B, C). (Refer to paragraph 4-12.) | If correct voltage is present, test paper cutter. (Refer to TM 5-3610-299-12&P.) If not, replace islatrol control box. (Refer to paragraph 4-12.) |
| 2. CARGO DOOR VENT ASSEMBLIES FAIL TO STAY OPENED OR CLOSED WHEN REQUIRED. | Step 1. Check for broken door spring. | Remove and replace spring. (Paragraph 4-13.) |
| | Step 2. Check for loose or missing hardware on door latches or for broken latches. | Tighten or replace hardware. Replace door latch. (Paragraph 4-13.) |
| | Step 3. Check for damaged or broken vent assembly. | Replace vent assembly. (Paragraph 4-13.) |
| | Step 4. Check operation of push-button switch. | Replace switch. (Paragraph 4-13.) |

4-10. UNIT TROUBLESHOOTING. - Continued

Table 4-2. Unit Troubleshooting (Cont.)

| MALFUNCTION | TEST OR INSPECTION | CORRECTIVE ACTION |
|--|--|--|
| 3. AIR CONDITIONER ASSEMBLY DOES NOT OPERATE. | | |
| | Step 1. Perform operator troubleshooting. | |
| | Step 2. Repair air conditioner units. (Refer to TM 5-4120-395-14&P for repair procedures on the 24,000 BTUH unit and to TM 5-4120-396-14&P for repair procedures on the 36,000 BTUH unit.) | |
| | Step 3. Remove and replace air conditioner units. (Refer to paragraph 4-14.) | |
| 4. AIR CONDITIONER, 24,000 BTUH AND 36,000 BTUH, MOUNTING BRACKET ASSEMBLY LOOSE OR BROKEN. | | |
| | Step 1. Check for loose or missing hardware. | Tighten or replace hardware. |
| | Step 2. Check bracket assembly for bent or broken metal strips. | Replace mounting bracket assembly. (Paragraph 4-15.) |
| 5. AIR CONDITIONER DUCTING ASSEMBLY DOES NOT CONTROL AIR FLOW. | | |
| | Step 1. Perform operator troubleshooting. | |
| | Step 2. Check operation of ceiling registers. | Replace ceiling registers. (Refer to paragraph 4-16a.) |
| | Step 3. Check operation of end registers. | Replace end registers. (Refer to paragraph 4-16b.) |
| | Step 4. Check access plate to solar bar push rod for damage or loose or missing hardware. | Replace access plate. (Refer to paragraph 4-16c.) |

4-10. UNIT TROUBLESHOOTING. - Continued

Table 4-2. Unit Troubleshooting (Cont.)

| MALFUNCTION | TEST OR INSPECTION | CORRECTIVE ACTION |
|---|--|---|
| 6. AIR CONDITIONER HOUSING ASSEMBLY DOES NOT OPERATE PROPERLY. | | |
| | Step 1. Perform operator troubleshooting. | |
| | Step 2. Check operation of housing sidewall vent assembly. | Replace sidewall vent assembly. (Refer to paragraph 4-17a.) |
| | Step 3. Check operation of housing sidewall vent assembly door latch. | Replace door latch. (Refer to paragraph 4-17b.) |
| | Step 4. Check operation of heating element access plate in housing sidewall. | Replace access plate. (Refer to paragraph 4-17c.) |
| | Step 5. Check operation of housing front vent assembly. | Replace front vent assembly. (Refer to paragraph 4-17d.) |
| | Step 6. Check operation of housing assembly front wall vent assembly door latch. | Replace door latch. (Refer to paragraph 4-17e.) |
| 7. PAPER CUTTER FAILS TO OPERATE. | | |
| | Step 1. Perform operator troubleshooting. | |
| | Step 2. Repair paper cutter. (Refer to TM 5-3610-299-12&P, Operation and Maintenance Manual for procedures.) | |

4-10. UNIT TROUBLESHOOTING. - Continued

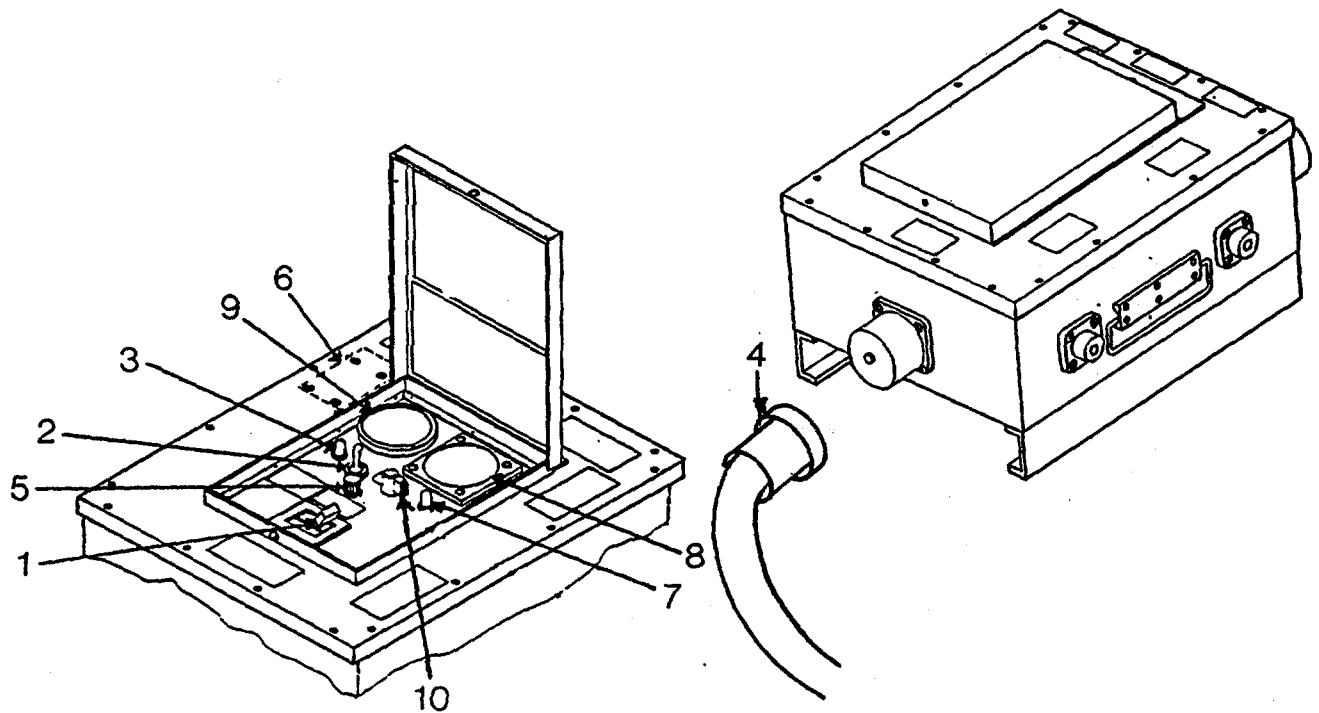
Table 4-2. Unit Troubleshooting (Cont.)

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

8. POWER DISTRIBUTION BOX ASSEMBLY DOES NOT OPERATE.
- a. No power to all modules.

WARNING

High voltage exists in the electrical system of this equipment. DEATH on contact may result if personnel fail to observe safety precautions.



Step 1. Check that circuit breaker CB1 (1) is set to ON.

Request Module C supervisor to set circuit breaker CB1 (1) to ON.

4-10. UNIT TROUBLESHOOTING. - Continued

Table 4-2. Unit Troubleshooting (Cont.)

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

8. POWER DISTRIBUTION BOX ASSEMBLY DOES NOT OPERATE. - CONT.

Step 2. Close phase test switch (2) and observe that correct phase light (3) is lit. If correct phase light is lit, replace circuit breaker CB1 (1). (Paragraph 4-23a.)

Step 3. Check generator output.

Replace generator. If generator output is proper, replace generator cable (4).

b. No power to one module.

Step 1. For Modules B and C, test for input voltage and phase at Shelter Phase Monitor Meter.

If correct voltage and phase are present, troubleshoot shelter electrical system. See TM 10-5411-200-

14.

Step 2. Request Module C supervisor set CB1 to OFF. Remove power cable and test for continuity.

Replace power cable.

Step 3. Request generator operator to shut down generator. Check for broken or grounded wiring on output receptacle on power distribution box.

Replace power distribution box (refer to Paragraph 4-23).

c. No voltage measured and no frequency measured on all phases.

Step 1. Close phase test switch (2) and observe that correct phase light (3) is lit.

If correct phase light is lit, replace fuse (5). If malfunction continues, replace phase switch (10). (Paragraph 4-23d.)

Step 2. Check generator output.

Replace generator. If generator output is proper, replace generator cable (4).

4-10. UNIT TROUBLESHOOTING. - Continued

Table 4-2. Unit Troubleshooting (Cont.)

MALFUNCTION

TEST OR INSPECTION

CORRECTIVE ACTION

8. POWER DISTRIBUTION BOX ASSEMBLY DOES NOT OPERATE. - CONT.

d. Neither phase light is lit when phase test switch (2) is closed.

Step 1. Reverse correct/incorrect lamps.

Replace defective lamp.

Step 2. Request Module C supervisor set circuit breaker CB1 to OFF. Request generator operator shut down generator. Test phase test switch for continuity.

Replace phase test switch (2), (Paragraph 4-23c).
If good, replace circuit board (6), (Paragraph 4-23e).

e. Incorrect phase light (7) is lit when phase test switch (2) is closed.

Step 1. Request generator operator recheck cable connection at generator.

Correct connection at generator.
If good, replace circuit board (6), (Paragraph 4-23e).

f. Incorrect voltage or frequency measured on one or two phases.

Step 1. Check generator output.

Replace generator. If generator output is proper, replace generator cable (4).

g. Incorrect voltage measured on all phases.

Step 1. Check generator output.

Replace generator. If generator output is proper, replace voltage meter (8). (Paragraph 4-23g.)

h. Incorrect frequency measured on all phases.

Step 1. Check generator output.

Replace generator. If generator output is proper, replace frequency meter (9). (Paragraph 4-23h.).

4-10. UNIT TROUBLESHOOTING. - Continued

Table 4-2. Unit Troubleshooting (Cont.)

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

8. POWER DISTRIBUTION BOX ASSEMBLY DOES NOT OPERATE. - CONT.

- i. Circuit Breaker CB1 (1) continually trips.

Step 1. Request Module C supervisor disconnect each shelter power cable from the power distribution box one at a time and test circuit breaker CB1 (1) by setting to ON.

Troubleshoot electrical system of shelter. See TM 10-5411-200-14.

Step 2. Request Module C supervisor set circuit breaker CB1 (1) to OFF. Test each power cable for continuity and shorts between each wire in the cable.

Replace defective cable.

NOTE

In the next 2 steps, some wiring must be tagged and disconnected to isolate shorts to individual components.

Step 3. Request generator operator shut down generator. Test wiring, circuit breaker CB1 and connector receptacles for shorts.

Replace shorted circuit breaker or power distribution box.

9. EMERGENCY LIGHT DOES NOT OPERATE PROPERLY.

- a. Emergency light does not light when tested and charge light is not lit.

Step 1. Check that ON/OFF switch is set to ON.

Set ON/OFF switch to ON.

4-10. UNIT TROUBLESHOOTING. - Continued

Table 4-2. Unit Troubleshooting (Cont.)

| MALFUNCTION | TEST OR INSPECTION | CORRECTIVE ACTION |
|--|--|--|
| 9. EMERGENCY LIGHT DOES NOT OPERATE PROPERLY. - CONT. | | |
| | Step 2. Check that emergency light is plugged into wall outlet. | Plug in emergency light. |
| | Step 3. Check that test circuit breaker in power distribution panel is set to ON. | Set circuit breaker to ON. |
| | Step 4. Remove fuse and check for continuity. | Replace fuse on circuit card. |
| | Step 5. Unplug emergency light, check for broken wires, and test ON/OFF switch for continuity. | Replace wiring or switch (Paragraph 4-26b(2).) |
| | Step 6. Test battery for an open. | Replace battery (Paragraph 4-26b(3).) If good, replace emergency light (Paragraph 4-26a). |
| | b. <u>Emergency light does not light when tested and charge light is lit.</u> | |
| | Step 1. Wait 20 minutes or until charge light starts to flicker and test. | Replace battery (Paragraph 4-26b(3).) |
| 10. LIGHT TABLE ASSEMBLY DOES NOT OPERATE PROPERLY. | | |
| | Step 1. Inspect light table for security of mounting. | Mount light table (Paragraph 4-28.2b). |
| | Step 2. Check glass top for cracks or breaks. | Replace glass top (Paragraph 4-28.2c). |
| | Step 3. Check fluorescent tubes for proper operation. | Replace fluorescent tubes (Paragraph 4-28.2c). |
| | Step 4. Inspect operation of ON and OFF switch. | Replace switch (Paragraph 4-28.2c). |

SECTION VI. UNIT MAINTENANCE PROCEDURES

4-11. GENERAL. This section contains unit maintenance procedures. Perform all preventive maintenance and operator maintenance before performing unit maintenance procedures. Numbers in parenthesis () after component or item discussed in paragraphs below refer to callouts in corresponding figures.

4-12. ISLATROL CONTROL BOX ASSEMBLY. Refer to figure 4-1 for location of components and hardware of islatrol control box assembly.

This task covers: a. Test b. Replace

INITIAL SETUP

Tools

- General Mechanics Automotive Tool Kit
- Electrical Equipment Tool Kit
- Multimeter

Materials

None

WARNING

High voltage exists in the electrical system of this equipment.
DEATH on contact may result if personnel fail to observe safety precautions.

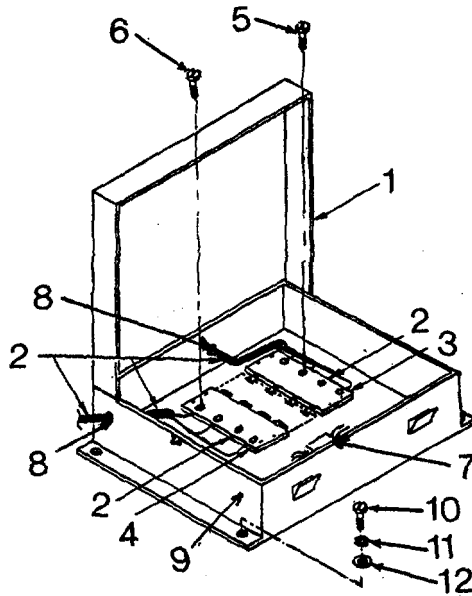


Figure 4-1. Islatrol Control Box Assembly

4-12. ISLATROL CONTROL BOX ASSEMBLY. - Continued

a. Test.

- (1) Place paper cutter circuit breaker on power distribution panel in OFF position.
- (2) Open control box door cover (1) to expose wiring (2).
- (3) Place paper cutter circuit breaker on power distribution panel in ON position.
- (4) Using a multimeter, test each phase (A, B, C) for 208 ± 10 Vac on the line side terminal board (3).
- (5) Using a multimeter, test each phase (A, B, C) for 208 ± 10 Vac on the load side terminal board (4).
- (6) Place paper cutter circuit breaker on power distribution panel in OFF position.

b. Replace.

- (1) Remove screws (5) securing wires to line terminal board (3). Tag wires for later reference.
- (2) Remove screws (6) securing wires to load terminal board (4). Tag wires for later reference.
- (3) Loosen grounding lugs (7) and disconnect ground wires.
- (4) Loosen nuts (8) on load and line cable conduits and pull cables out of islatrol control box (9).
- (5) Remove screws (10), lockwashers (11), flat washers (12), and islatrol control box.
- (6) Install replacement islatrol control box (9) and secure with flat washers (12), lockwashers (11), and screws (10).
- (7) Install load and line cable conduits and tighten nut (8).
- (8) Connect ground wires to grounding lug (7).
- (9) Install wires (2) on load terminal board (4) and secure with screws (6). Remove wire tags.
- (10) Install wires (2) on line terminal board (3) and secure with screws (5). Remove wire tags.
- (11) Close control box cover.
- (12) Place paper cutter circuit breaker on power distribution panel in ON position.
- (13) Operate paper cutter.

4-13. **CARGO DOOR VENT ASSEMBLY.** - Continued**WARNING**

Use eye goggles when drilling metal parts. Failure to do so may result in serious eye injury from flying metal fragments.

a. Repair.

- (1) Repair by replacing door latch (1) on cargo door vent assembly (2).
 - (a) Using an electric drill, drill out blind rivets (3) on wing latch.
 - (b) Install replacement latch (1) using riveter and blind rivets.
- (2) Repair by replacing torsion spring (4) on cargo door vent assembly (2).
 - (a) Open vent door (5).
 - (b) Remove screws (6) and washers (7).
 - (c) Remove spring (4).
 - (d) Install replacement spring (4) and secure with washers (7) and screws (6).
- (3) Repair by replacing push-button switch (12) on cargo door vent assembly (2).
 - (b) Open vent door (5).
 - (c) Remove screw (8) securing switch cover (9) to vent assembly housing (10) and remove switch cover (9).
 - (d) Disconnect electrical wiring (11) from switch (12). (Tag wires for reinstallation on replacement switch.)
 - (e) Pull knob (13) off switch (12), remove nut (14), and remove switch (12). (f) Connect electrical wiring (1) to replacement switch (12) and remove tags.

NOTE

Air conditioner will not operate with vent door closed when pushbutton switch is operational.

- (g) Secure replacement switch (12) to vent assembly housing using nut (14).
- (h) Push on knob (13).
- (i) Position switch cover (9) and secure with screw (8).
- (j) Close and secure vent assembly door (5).

4-13. **CARGO DOOR VENT ASSEMBLY.** - Continued

- (k) Place main circuit breaker on power distribution panel in ON position.
- (j) Operate air conditioner unit.
- (m) Open vent door.
- (n) Operate air conditioner unit. Air conditioner units should operate properly when all vent doors are opened.

(4) Replace Cargo Door Vent Assembly.

- (a) Place main circuit breaker on power distribution panel in OFF position.
- (b) Remove screw (8) and switch cover (9) and disconnect wiring (11) from push button switch.
- (c) Using an electric drill, drill out all rivets (3) on vent assembly frame.
- (d) Remove cargo door vent assembly (2).
- (e) Remove RTV sealing compound around opening for cargo door vent assembly frame.
- (f) Lay a bead of RTV sealing compound along edge of vent door opening.
- (g) Position replacement cargo door vent assembly over holes in cargo door.
- (h) Using riveter, install blind rivets (3) in vent assembly housing (10).
- (i) Reconnect wiring (11) to push button switch and attach switch cover (9) with screw (8).
- (j) Place main circuit breaker on power distribution panel in ON position.

4-14. **AIR CONDITIONER ASSEMBLY.** (24,000 BTUH and 36,000 BTUH). Refer to figure 4-3 for location of components and hardware on the air conditioner assembly.

This task covers: Replace

INITIAL SETUP

Tools

- Electrical Equipment Tool Kit, Appendix B
- General Mechanics Automotive Tool Kit, Appendix B
- Fork Lift

Materials

None

NOTE

The following procedure is for the 36,000 BTUH air conditioner assembly. The procedure for the 24,000 BTUH air conditioner assembly is similar.

4-14. **AIR CONDITIONER ASSEMBLY.** - Continued

- (1) Place air conditioner circuit breaker on power distribution panel in OFF position.

WARNING

Never connect or disconnect any power cables when electrical power is energized to the cables. Failure to do so will result in damage to equipment and/or serious injury or DEATH to personnel.

- (2) Open cargo doors (1) and disconnect door holder bracket (2).
- (3) Remove screws (3).
- (4) Loosen quick release (4) and remove access cover (5).
- (5) Remove filter (6).
- (6) Remove screws (7) and electrical cover (8).
- (7) Tag and disconnect thermostat wires (9).
- (8) Tag and disconnect grounding wires (10).
- (9) Tag and disconnect main power wires (11).
- (10) Remove tie straps (12).
- (11) Pull electrical cables out and away from air conditioner assembly.
- (12) Remove screws (13) and intermediate duct (14).
- (13) Remove nuts (15), lockwashers (16), flat washers (17), bolts (18), and angle brackets (19).
- (14) Remove tie straps (20) and disconnect tee connector (21) from drain hose (22).
- (15) Working inside shelter, remove screws (1, Figure 4-4), front vent door (2), and shim (3).
- (16) Remove filter (4).
- (17) Remove filter support (5).
- (18) Remove six nuts (6), lockwashers (7), flat washers (8) and bolts (9).

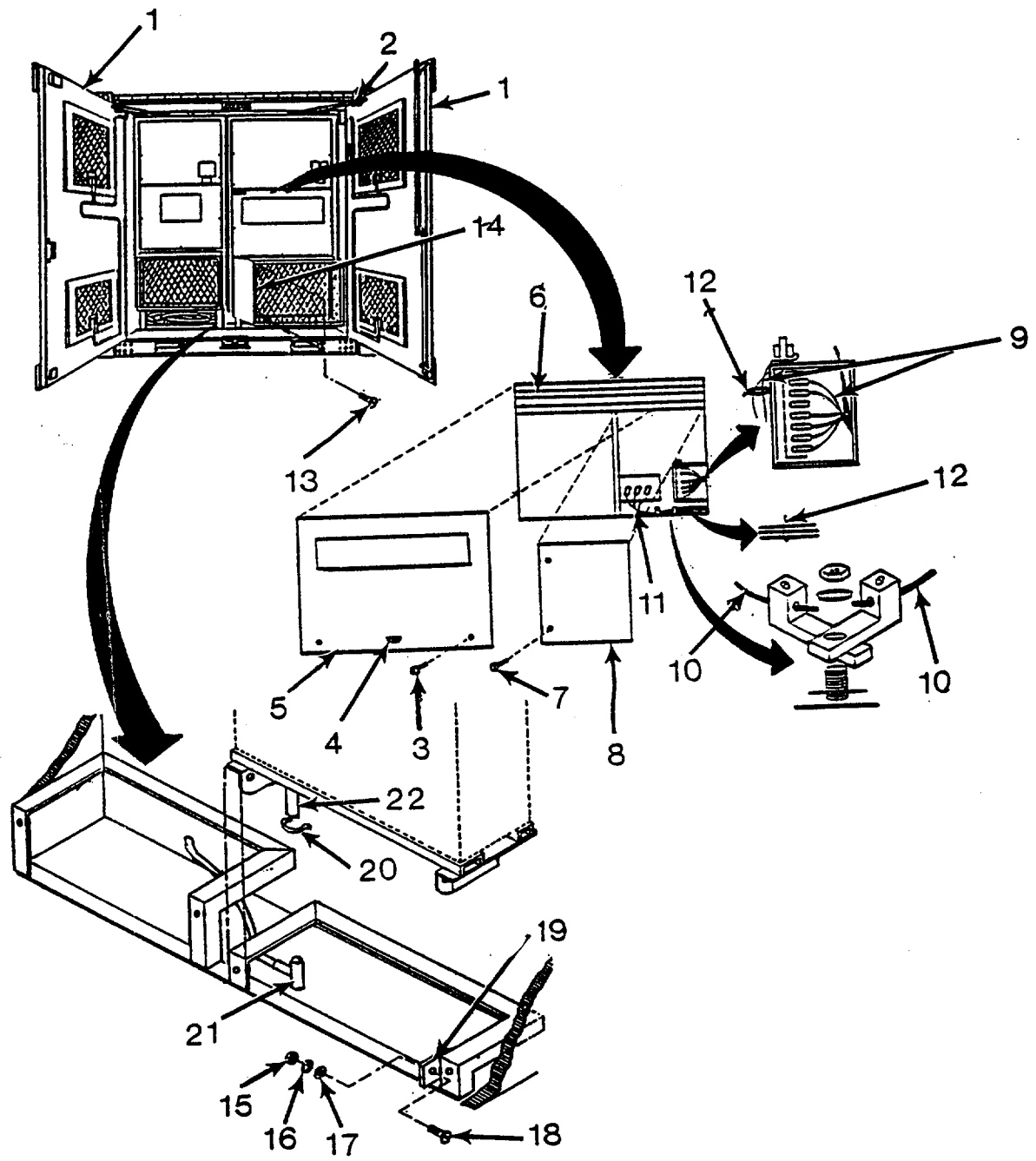


Figure 4-3. Air Conditioner Assembly (Outside)

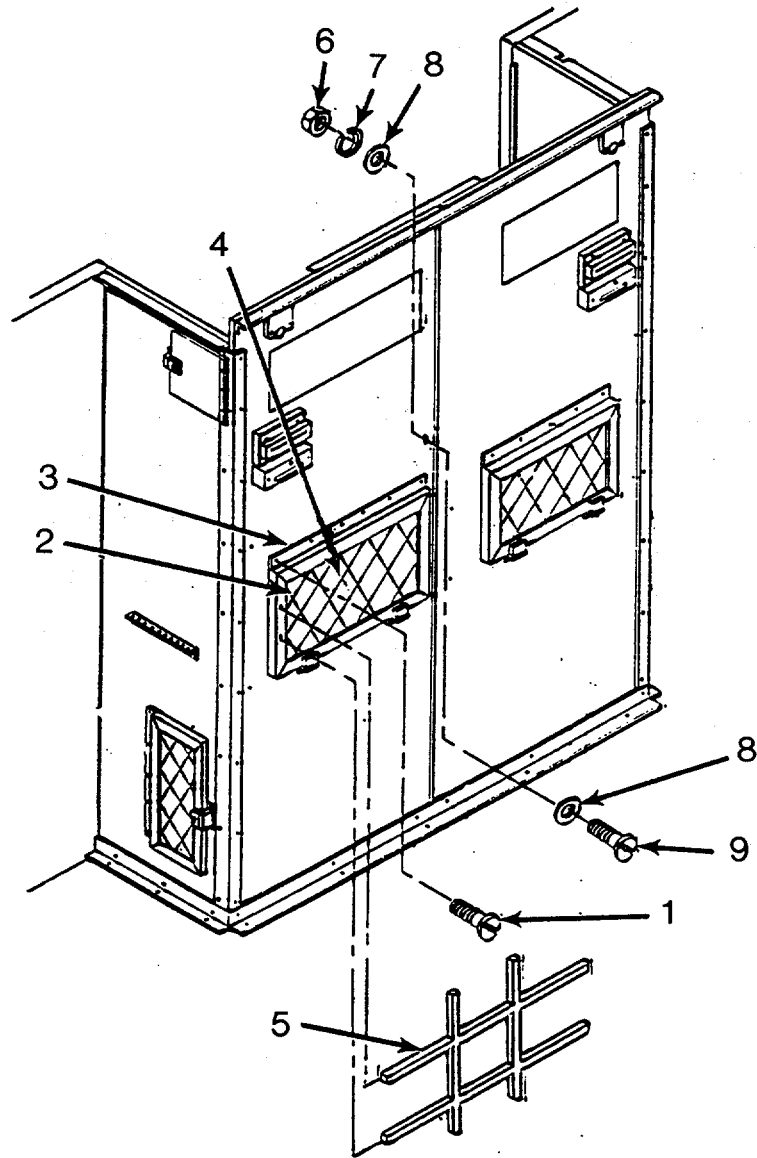


Figure 4-4. Air Conditioner Assembly (Inside)

4-14. **AIR CONDITIONER ASSEMBLY.** - Continued

CAUTION

Raise air conditioner assembly only enough to clear mounting bracket. Raising air conditioner assembly too much could result in damage to equipment.

NOTE

This task requires two persons. One person drives fork lift and the second person guides the fork lift tines to correct position under air conditioner mounting bracket. The second person will also balance the air conditioner on the fork lift while it is being removed from the shelter and feed the electrical cables through the unit.

(19) Slide air conditioner forward until rear of air conditioner mounting bracket (1, Figure 4-5) clears lower mounting bracket assembly (2).

(20) Carefully guide fork lift tines (3) under air conditioner mounting bracket (1) and move fork lift forward one foot to rear of mounting bracket.(1).

(21) Lift air conditioner from lower mounting bracket assembly (2) and guide fork lift operator back from shelter.

(22) Lower air conditioner to ground.

4-14. **AIR CONDITIONER ASSEMBLY.** - Continued

- (23) Carefully lay the unit face down on the ground.
- (24) Remove four nuts (4), washers (5), bolts (6), and air conditioner mounting bracket (1).
- (25) Lay replacement air conditioner face down on the ground.
- (26) Attach air conditioner mounting bracket (1) to bottom of air conditioner using bolts (6), washers (5), and nuts (4).

NOTE

Make sure air conditioner is placed on fork lift so that front of air conditioner will be facing cargo door entrance for installation.

- (27) Move fork lift into position and raise air conditioner to upright position on fork lift tines. Tie a stiff wire to the electrical cables to feed them through the electrical passage.
- (28) Lift air conditioner and move to installation site at shelter cargo door entrance.
- (29) Carefully guide fork lift forward and lower air conditioner on to lower mounting bracket assembly.
- (30) Guide fork lift away from shelter.
- (31) Align holes in air conditioner mounting bracket (1) with holes in lower mounting bracket assembly (2) and secure with angle brackets (19, Figure 4-3), bolts (18), flat washers (17), lockwashers (16), and nuts (15).
- (32) Connect tee connector (21) to drain hose (22) and secure with tie strap (20).
- (33) Position intermediate duct (14) and secure with screws (13).
- (34) Reconnect the main power wires (11), grounding wires (10).
- (35) Cut and strip blue wire coming from transformer on replacement air conditioner. Reconnect thermostat wires (9). Remove tags and install tie straps (12).
- (36) Position electrical cover (8) and secure with screws (7).
- (37) Position access cover (5) and secure quick release (4).

4-14. **AIR CONDITIONER ASSEMBLY.** - Continued**CAUTION**

While drilling holes, ensure drain hose behind right side of air conditioning housing front panel is not damaged.

NOTE

Check alignment of front vent door with opening in air conditioner assembly.

(38) Install screws (3).

(39) Using an electric drill and the six holes in the air conditioning housing front panel as a template, drill six 1/4" holes through air conditioner housing.

(40) Install six bolts (9, Figure 4-4), flat washers (8), lockwashers (7), and nuts (6).

(41) Position shim (3) and front vent door (2) and secure with screws (1).

(42) Install filter support (5).

(43) Install filter (4).

(44) Reconnect door holder bracket (2, Figure 4-3) and close cargo doors (1).

(45) Open cargo door vent assembly doors.

(46) Place air conditioner circuit breaker on power distribution panel in ON position.

(47) Operate air conditioner.

4-15. **AIR CONDITIONER MOUNTING BRACKET ASSEMBLY (24,000 BTUH AND 36,000 BTUH).** Refer to figure 4-6 for location of components and hardware on air conditioner mounting bracket.

This task covers: Replace

INITIAL SETUP

Tools

General Mechanics Automotive Tool Kit, Appendix B

Materials

RTV Sealing Compound

- a. Remove air conditioner assemblies from shelter. (Refer to paragraph 4-14.)
- b. Remove bolts (1), lockwashers (2), flat washers (3), and mounting bracket assembly (4).
- c. Remove screws (5) and drip pan (6) if necessary.
- d. Remove RTV sealing compound from mating materials.
- e. Position drip pan (6) and secure with screws (5).
- f. Seal drip pan (6) with RTV sealing compound.
- g. Position mounting bracket assembly (4) and secure flat washers (3), lockwashers (2) and bolts (1).
- h. Install air conditioner assemblies in shelter. (Refer to paragraph 4-14.)

4-15. AIR CONDITIONER MOUNTING BRACKET ASSEMBLY (24,000 BTUH AND 36,000 BTUH). - Continued

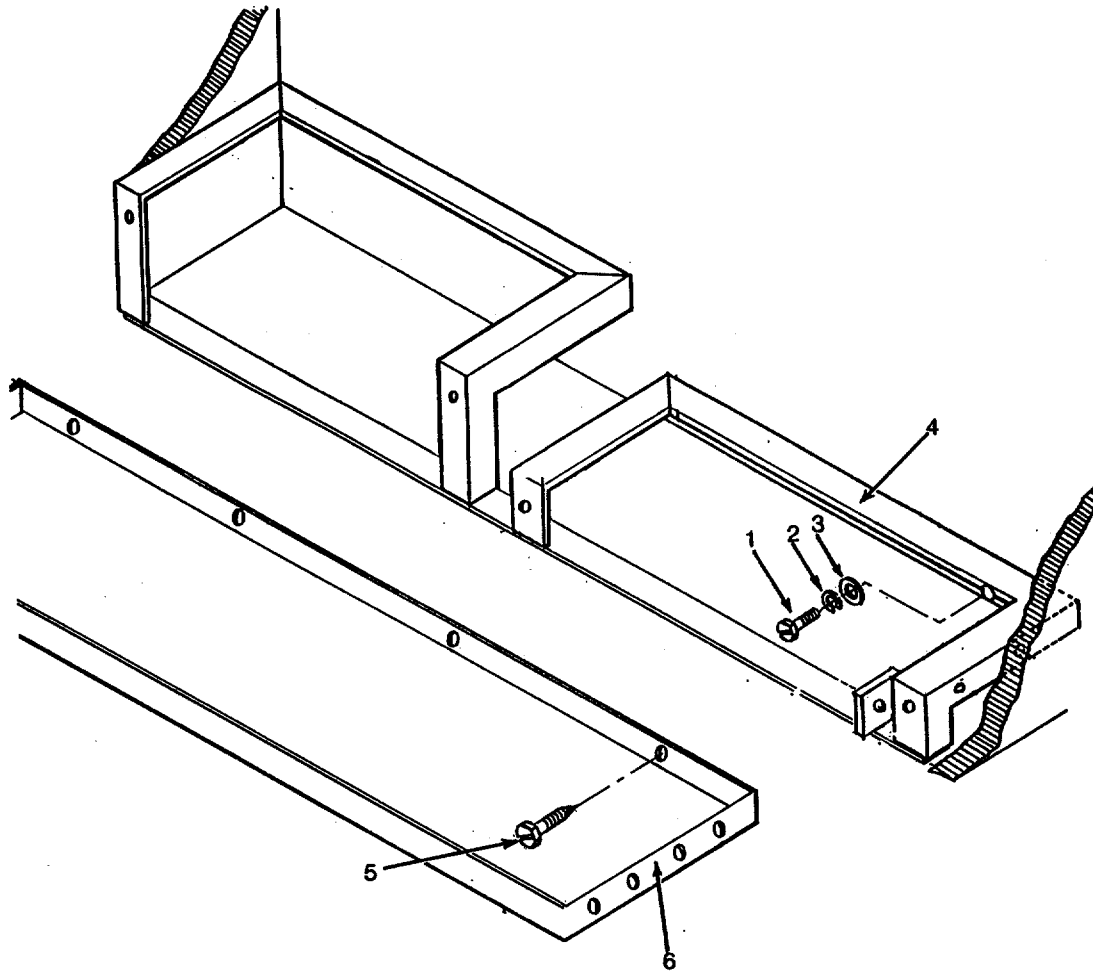


Figure 4-6. Air Conditioner Mounting Bracket Assembly
(24,000 BTUH and 36,000 BTUH)

4-16. AIR CONDITIONER DUCTING ASSEMBLY.

This task covers: Repair

INITIAL SETUP**Tools**

General Mechanics Automotive Tool Kit, Appendix B

Materials

None

- a. Repair by replacing ceiling vent 4-way register (1). (Figure 4-7.)

(1) Remove mounting screws (2) from register housing and remove register (1) from AC ducting assembly.

(2) Align replacement register (1) over holes in AC ducting assembly and secure in place with mounting screws (2).

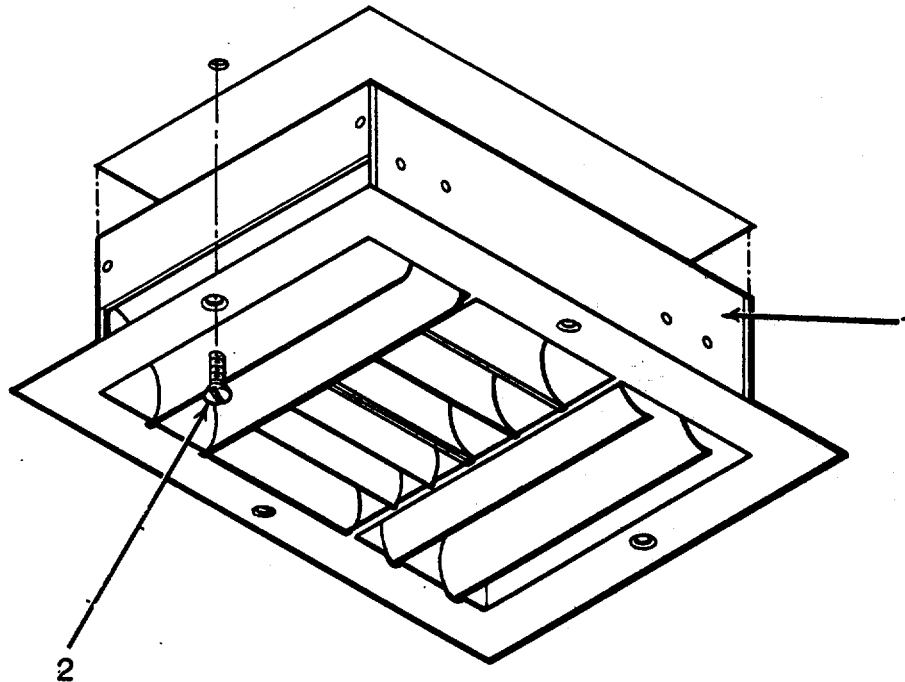


Figure 4-7. Air Conditioner Ducting Assembly 4-Way Register

4-16. AIR CONDITIONER DUCTING ASSEMBLY. - Continued

b. Repair by replacing end register (1). (See figure 4-8.)

(1) Remove mounting screws (2) and remove end register (1) from AC ducting assembly (3).

(2) Align replacement end register (1) over holes in AC ducting assembly (3) and secure in place with mounting screws (2).

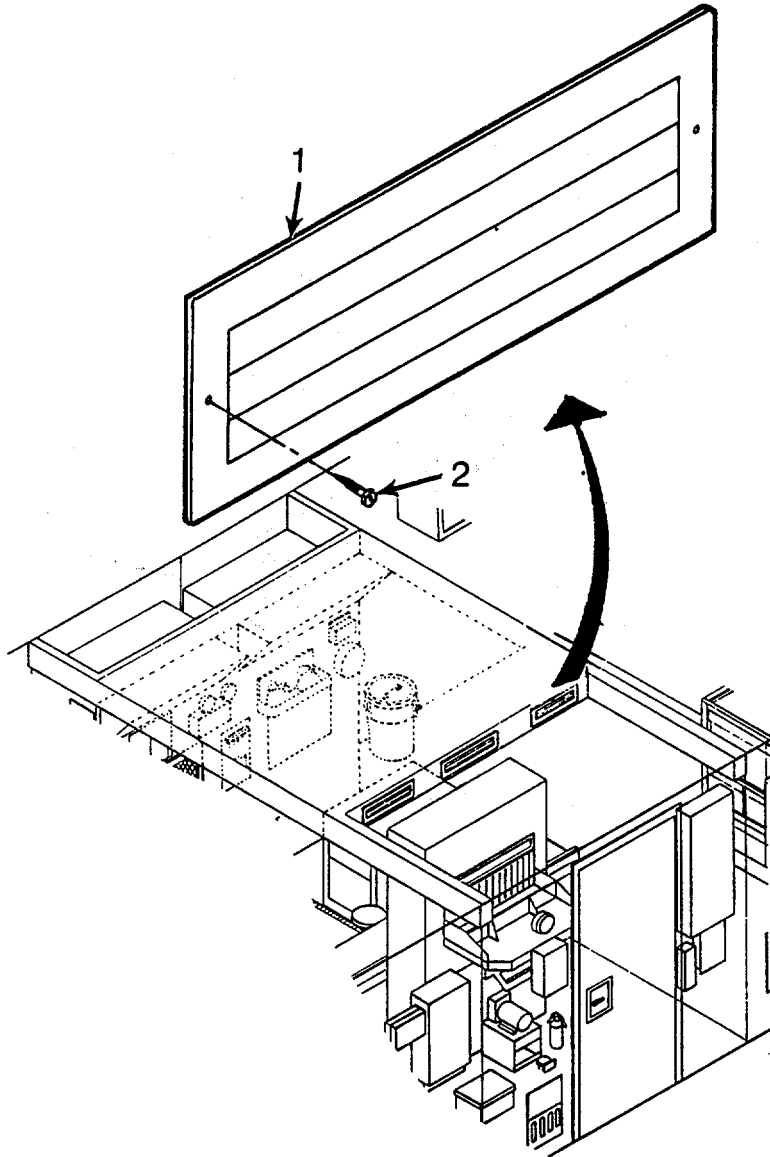


Figure 4-8. End Registers

4-16. AIR CONDITIONER DUCTING ASSEMBLY. - Continued

c. Repair by replacing access plate (1) to solar bar push rod. (See figure 4-9.)

(1) Remove mounting screws (2) from access plate and remove access plate (1) from AC ducting assembly (3).

(2) Align replacement access plate (1) over holes in AC ducting assembly (3) and secure in place with mounting screws (2).

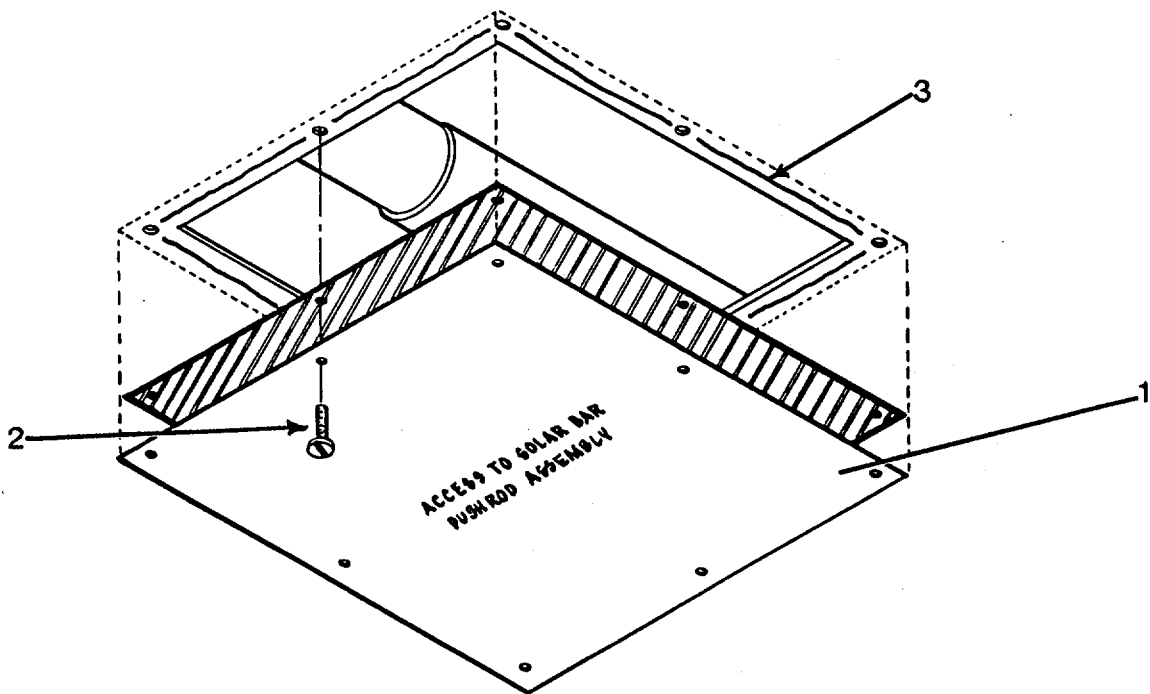


Figure 4-9. Solar Bar Push Rod Access Plate

4-17. **AIR CONDITIONER HOUSING ASSEMBLY.** Refer to figure 4-10 for location of air conditioning assembly components (sidewall vent assembly (1), heating element access plate (2), and front wall vent assembly (3)).

This task covers: Repair

INITIAL SETUP

Tools

General Mechanics Automotive Tool Kit, Appendix B

Materials

None

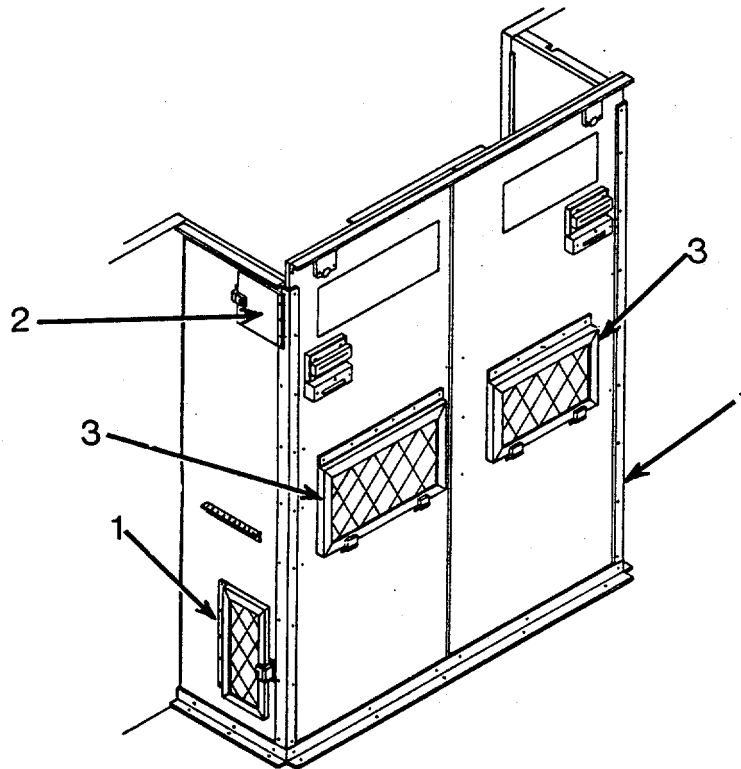


Figure 4-10. Air Conditioner Housing Assembly

4-17. AIR CONDITIONER HOUSING ASSEMBLY. - Continued

- a. Repair by replacing housing sidewall vent assembly. (See figure 4-11.)
 - (1) Remove five self-tapping screws (1) along top of hinge (2).
 - (2) Using a flat-tip screwdriver, carefully pry vent assembly away from AC housing sidewall (3).
 - (3) Align replacement vent assembly hinge (2) along hinge line and secure in place with five self-tapping screws (1).
- b. Repair by replacing sidewall vent assembly door latch (4). (See figure 4-11.)
 - (1) Using an electric drill, drill out rivets (5) in latch (4) and remove latch (4).
 - (2) Install replacement latch (4) using blind riveter and pop rivets.

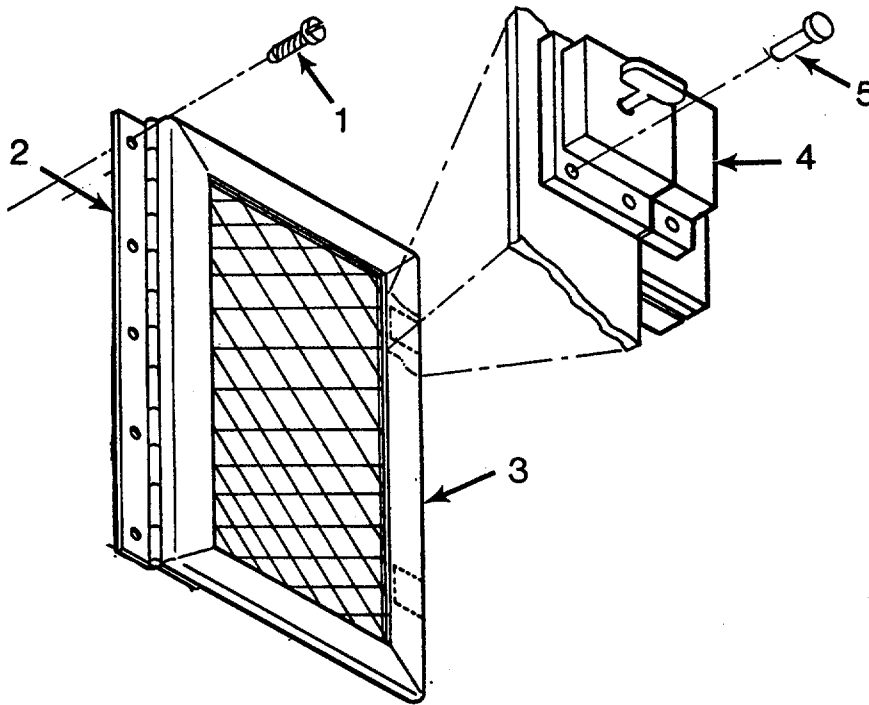


Figure 4-11. Sidewall Vent Assembly

4-17. AIR CONDITIONER HOUSING ASSEMBLY. - Continued

- c. Repair by replacing heating element access plate (2). (See figure 4-12.)

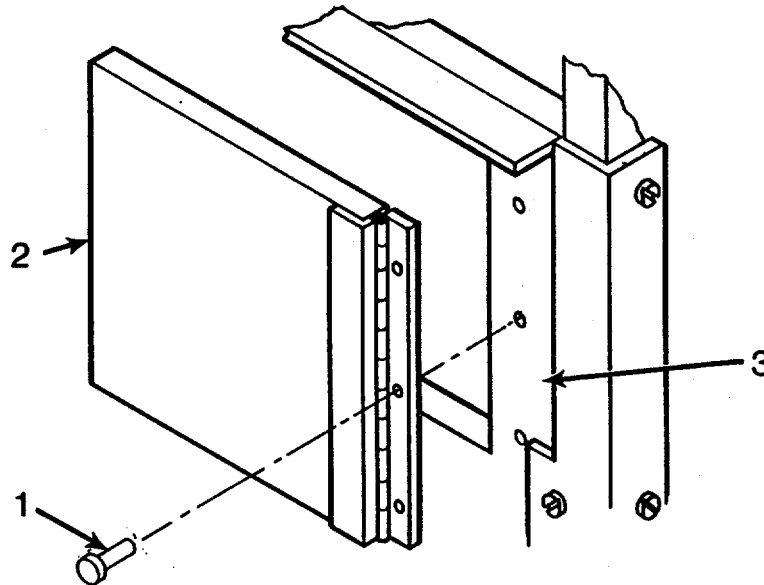


Figure 4-12. Heating Element Access Plate

(1) Using an electric drill, drill out rivets (1) securing access plate (2) to housing sidewall (3) and remove access plate (2).

(2) Align holes in replacement access plate (2) with holes in housing sidewall (3) and secure in place with rivets (1) using blind riveter.

NOTE

Replacement procedures for the front wall vent assemblies and vent assembly latches in the AC housing of both the 24,000 BTUH air conditioner and the 36,000 BTUH air conditioner are the same.

- d. Repair by replacing front wall vent assembly. (Figure 4-13.)

4-17. AIR CONDITIONER HOUSING ASSEMBLY. - Continued

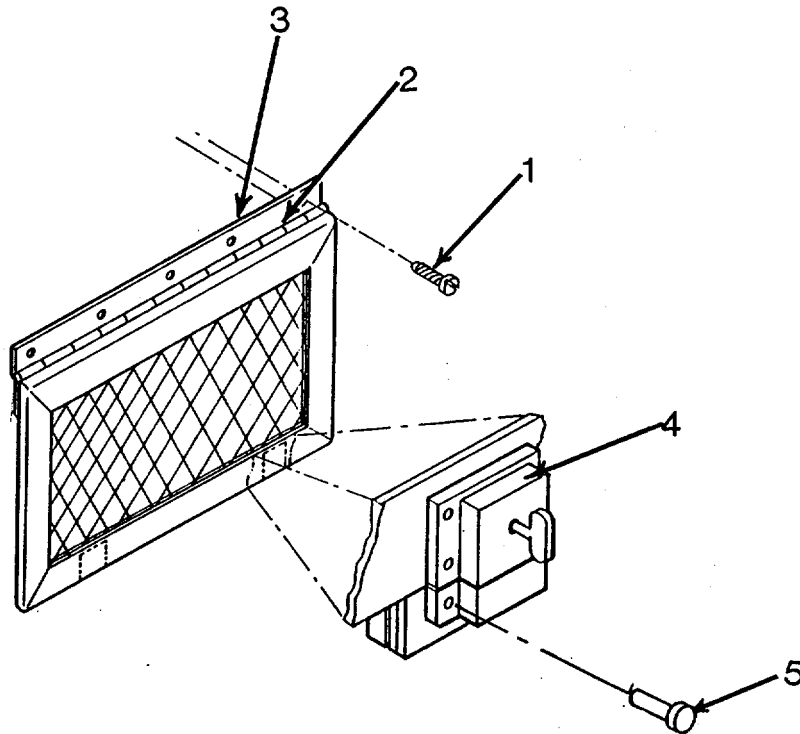


Figure 4-13. Front Wall Vent Assembly

- (1) Remove self-tapping screws (1) along top of vent assembly hinge (2).
 - (2) Using a flat-tip screwdriver, carefully pry vent assembly away from AC housing front wall (3).
 - (3) Align replacement vent assembly hinge (2) along hinge line and secure in place with five self-tapping screws (1).
- e. Repair by replacing front wall vent assembly door latch. (Figure 4-13.)
- (1) Using an electric drill, drill out rivets (5) in latch and remove latch (4).
 - (2) Install replacement latch (4) using blind riveter and pop rivets(5).

4-18. **OFFICE CABINET ASSEMBLY.** Refer to figure 4-14 for location of components and hardware of the office cabinet assembly.

This task covers: Repair

INITIAL SETUP

Tools

General Mechanics Automotive Tool Kit, Appendix B

Materials

None

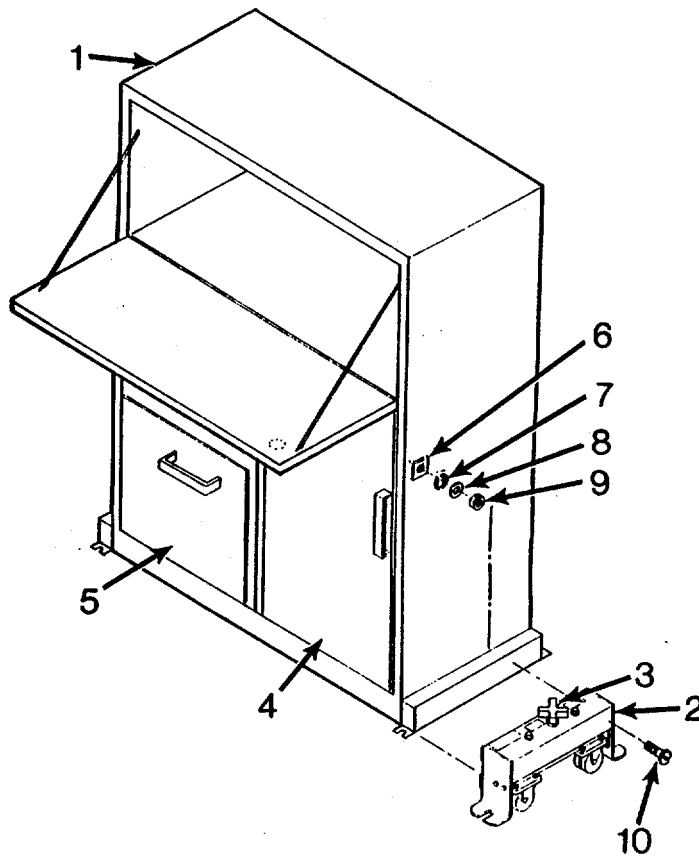


Figure 4-14. Office Cabinet Assembly

- a. Tighten or replace loose or missing hardware on cabinet (1).
- b. Tighten or replace loose or missing hardware on office cabinet transporter assembly (2).
- c. Replace transporter assembly or cabinet.

4-18. **OFFICE CABINET ASSEMBLY.** - Continued

(1) Using control knob (3) on transporter assembly (2), lower office cabinet assembly to floor of shelter.

(2) Remove contents and lay office cabinet on back.

(3) Open door (4) and remove bottom drawer (5).

(4) Remove nuts (6), lockwashers (7), flat washers (8), stiffener plates (9), and bolts (10) securing transporter assembly to office cabinet assembly and remove transporter assembly.

NOTE

It will be necessary to drill holes from transporter assembly in the office cabinet when replacing the office cabinet.

(5) Position replacement transporter assembly with replacement office cabinet assembly and secure with bolts (10), stiffener plates (9), flat washers (8), lockwashers (7) and nuts (6).

4-19. PAPER STORAGE RACK ASSEMBLY. Refer to figure 4-15 for location of components and hardware of the paper storage rack assembly. The maintenance procedure for the paper storage rack assembly with light table, ISO jack storage, and table storage is the same.

This task covers: Repair

INITIAL SETUP

Tools

General Mechanics Automotive Tool Kit, Appendix B

Materials

None

4-19. PAIPER STORAGE RACK ASSEMBLY. - Continued

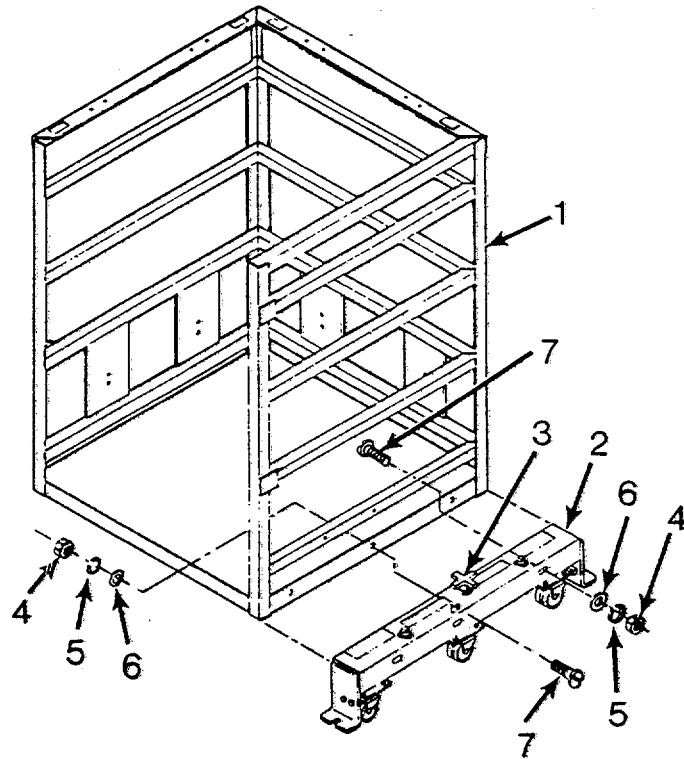


Figure 4-15. Paper Storage Rack Assembly

- a. Tighten or replace loose or missing hardware on paper storage rack assembly (1).
- b. Tighten or replace loose or missing hardware on paper storage rack transporter assembly (2).
- c. Replace transporter assembly or paper storage rack.
 - (1) Using control knob (3) on transporter assembly, lower paper storage rack(1) to floor of shelter.
 - (2) Remove paper and lay paper storage rack (1) on back.
 - (3) Remove nuts (4), lockwashers (5), flat washers (6), and bolts (7) securing transporter assembly (2) to paper storage rack (1) and remove transporter assembly (2).
 - (4) Position replacement transporter assembly (2) on replacement paper storage rack (1) and secure with bolts (7), flat washers (6), lockwashers (5) and nuts (4).

4-20. WALL MOUNTED STORAGE CABINET. Refer to figure 4-16 for location of components and hardware of the storage cabinet.

This task covers: Replace

INITIAL SETUP

Tools

General Mechanics Automotive Tool Kit, Appendix B

Materials

None

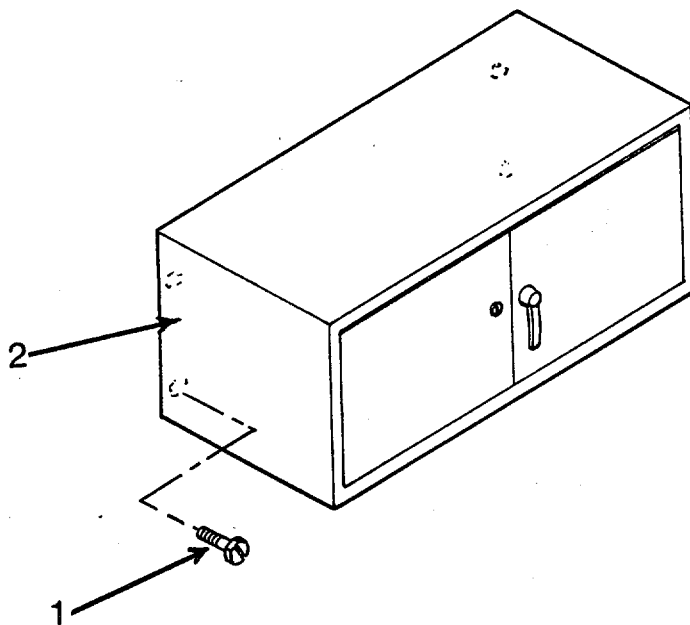


Figure 4-16. Wall Mounted Storage Cabinet

- a. Replace storage cabinet by removing mounting screws (1) remove storage cabinet (2).
- b. Align storage cabinet (2) with holes in wall and secure with mounting screws (1).

4-21. **DRAWER TABLE ASSEMBLY.** Refer to figure 4-17 for location of components and hardware of the drawer table assembly.

This task covers: Repair

INITIAL SETUP

Tools

General Mechanics Automotive Tool Kit, Appendix B

Materials

None

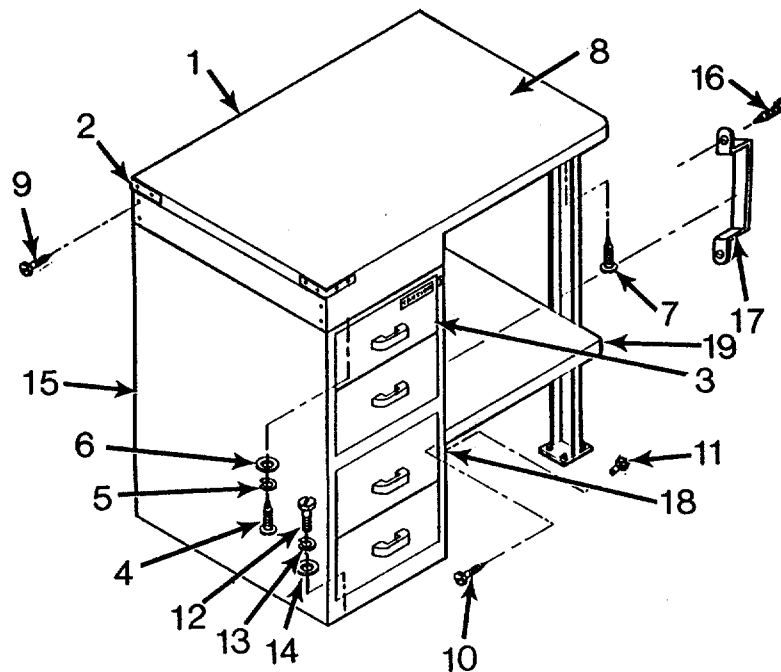


Figure 4-17. Drawer Table Assembly

- a. Tighten or replace loose or missing hardware on table (1).
- b. Remove and replace damaged corner bumpers (2) on table.

4-21. **DRAWER TABLE ASSEMBLY.** - Continued

c. Repair by replacing top.

- (1) Remove drawers (3).
- (2) Remove screws (4), lockwashers (5), and flat washers (6).
- (3) Remove screws (7) and top (8).
- (4) Remove screws (9) and corner bumpers (2).
- (5) Place corner bumpers on replacement top (8) and secure with screws (9).
- (6) Position replacement top (8) on drawer cabinet and secure with screws (7), flat washers (6), lockwashers (5), and screws (4). (7) Install drawers (3).

d. Repair by replacing drawer cabinet.

- (1) Remove top. (See 4-21c above.)
- (2) Remove screws (10) and drill out rivets (11).
- (3) Remove screws (12), lockwashers (13), and flat washers (14) and remove drawer cabinet (15).
- (4) Drill out rivets (16) and remove loop strap fastener (17).
- (5) Position loop strap fastener (17) on replacement drawer cabinet (15), drill holes, and install rivets (16) with blind riveter.
- (6) Position drawer cabinet (15) on floor and secure with flat washers (14), lockwashers (13), and screws (12).
- (7) Drill holes in top of replacement drawer cabinet (15) using old drawer cabinet (15) as template.
- (8) Install top. (See 4-21c above.)
- (9) Drill out holes and secure drawer cabinet (15) to brace (18) with rivets (11) using blind riveter.
- (10) Secure drawer cabinet (15) to shelf (19) with screws (10).
- (11) Install drawers (3).

4-22. **SHELF TABLE ASSEMBLY.** Refer to figure 4-18 for location of components and hardware of the shelf table assembly.

This task covers: Repair

INITIAL SETUP

Tools

General Mechanics Automotive Tool Kit, Appendix B

Materials

None

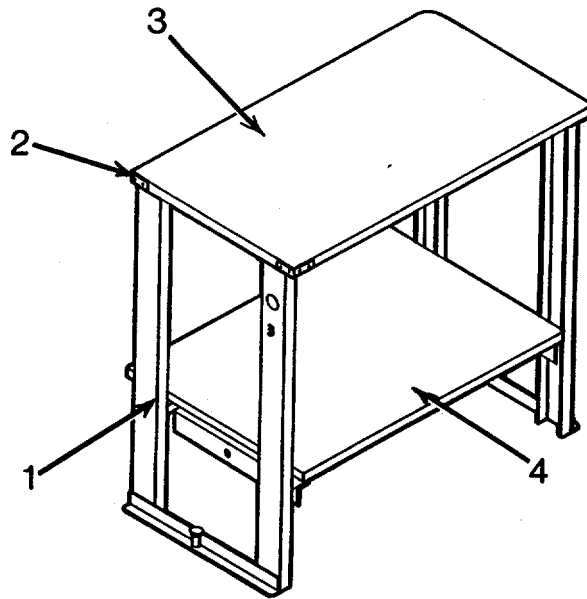


Figure 4-18. Shelf Table Assembly

- a. Tighten or replace loose or missing hardware on the shelf table (1).
- b. Replace damaged corner bumpers (2) on shelf table.
- c. Repair by replacing top (3) or shelf (4).

4-23. **POWER DISTRIBUTION BOX ASSEMBLY.** Refer to illustration of power distribution box assembly in figures 4-19 through 4-26 below for location of components and hardware.

This task covers: Repair

INITIAL SETUP

Tools

General Mechanics Automotive Tool Kit, Appendix B
Electrical Equipment Tool Kit, Appendix B
Multimeter

Materials

None

WARNING

Generator must be turned OFF and the main power cable must be disconnected before performing maintenance on the power distribution box assembly. **DEATH** on contact may result if power is not disconnected.

a. Repair by replacing Circuit Breaker, Power Distribution Box Assembly. (See figure 4-19.)

(1) Request generator operator shut down generator and disconnect main power cable (1). Remove screws (2), lockwashers (3), flat washers (4), and raise control panel assembly (5).

(2) Tag and disconnect terminal wire lug extenders (6) and line wires (7) on circuit breaker (8).

(3) Remove screws (9), and lockwashers (10) holding circuit breaker (8) in place.

(4) Remove circuit breaker (8).

(5) Remove clips (11) and square nuts (12) from circuit breaker (8) and retain for use with replacement circuit breaker.

(6) Remove screws (13), lockwashers (14), and wire terminal blocks (15) from load side of replacement circuit breaker (8).

(7) Position square nuts (12) in replacement circuit breaker (8) and secure with clips (11).

(8) Place replacement circuit breaker (8) in position.

(9) Secure screws (9) and lockwashers (10) holding circuit breaker (8) in place.

4-23. POWER DISTRIBUTION BOX ASSEMBLY. - Continued

- (10) Connect line wires (7) and terminal wire lug extenders (6) to circuit breaker (8) and remove tags.
- (11) Position circuit breaker (8) in OFF position.
- (12) Position control panel assembly (5) on power distribution box assembly (16) and secure with flat washers (4), lockwashers (3), and screws (2).
- (13) Request generator operator connect input power cable.
- (14) Request generator operator turn on generator, Module C supervisor set circuit breaker (8) to ON, and test operation.

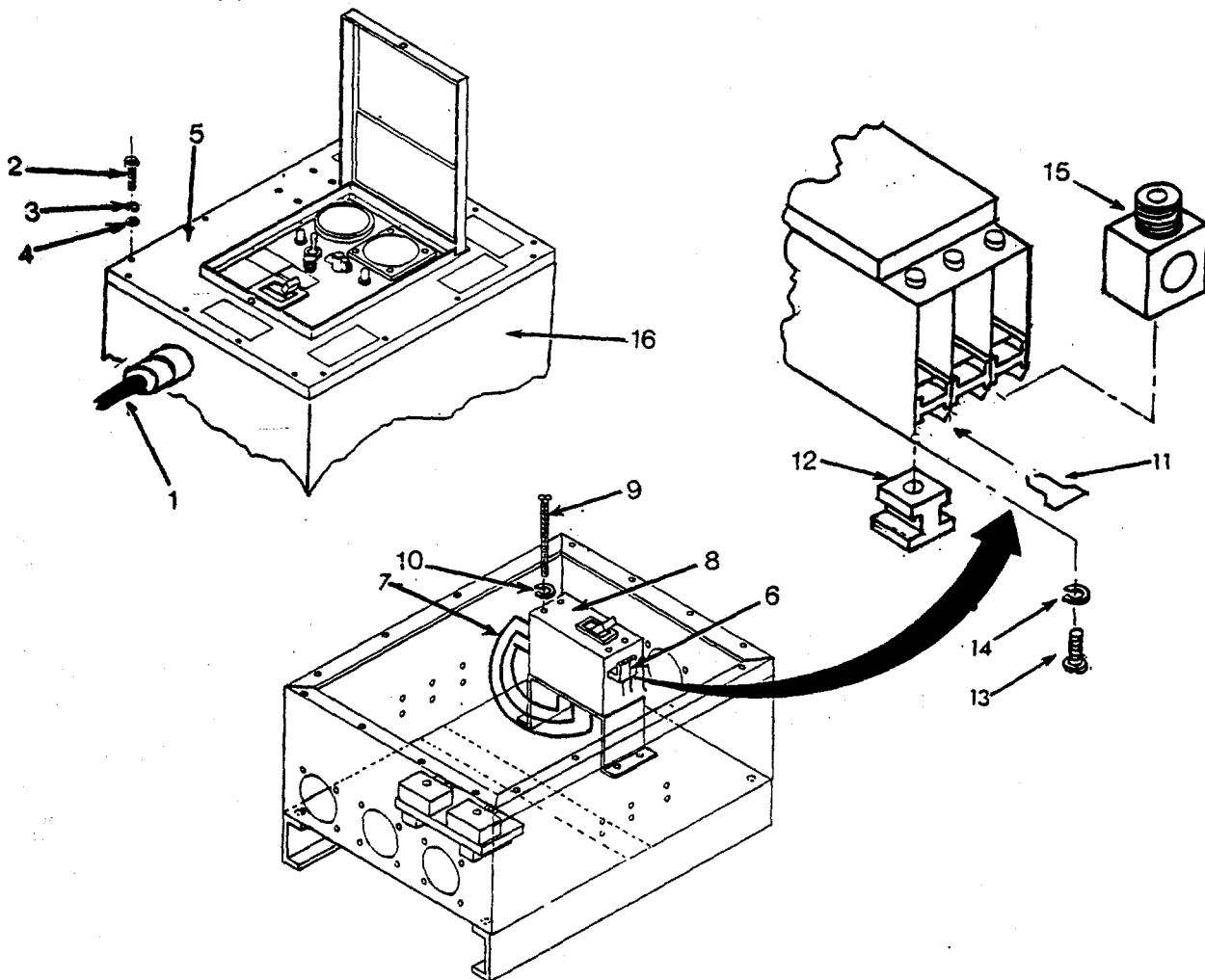


Figure 4-19. Replacing Circuit Breaker, Power Distribution Box Assembly

4-23. **POWER DISTRIBUTION BOX ASSEMBLY.** - Continued

b. Repair by replacing Fuse Holder, Power Distribution Box Assembly. (See figure 4-20.)

(1) Request generator operator shut down generator and disconnect power cord (1). Raise control panel cover (2), request Module C supervisor set circuit breaker (3) to OFF, and remove control panel assembly (4). (See 4-23a. above).

(2) Tag and unsolder wires (5) and remove nut (6).

(3) Remove fuse holder (7).

(4) Position replacement fuse holder (7), secure with nut (6), solder wires (5) to replacement fuse holder (7), and remove tags.

(5) Install fuse in replacement fuse holder (7).

(6) Secure control panel assembly (4) to power distribution box assembly (8). (See 23a. above).

(7) Request generator operator connect input power cable (1).

(8) Request generator operator turn on generator.

(9) Request Module C supervisor place circuit breaker (3) in ON position and test operation.

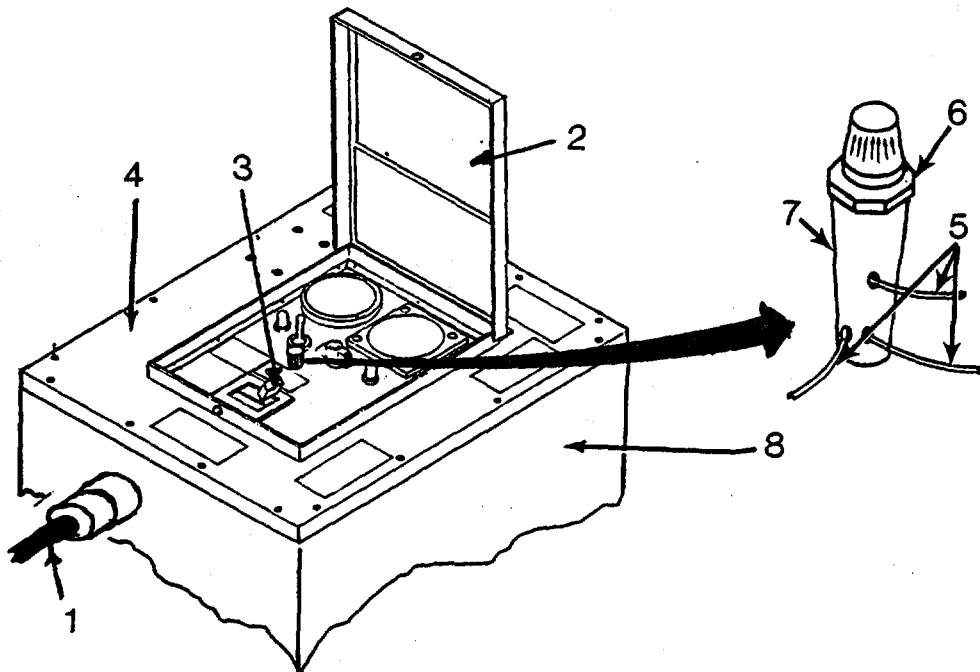
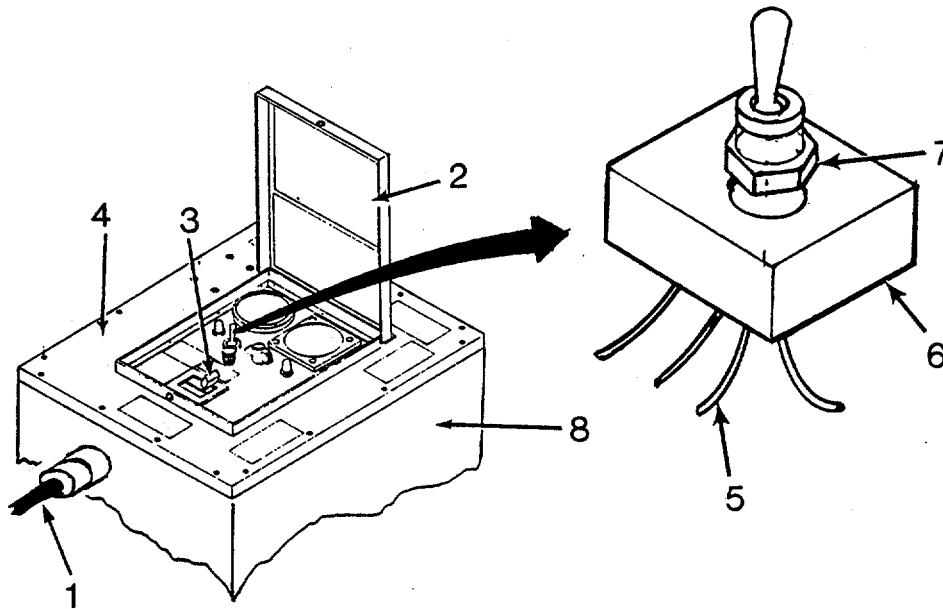


Figure 4-20. Replace Fuse Holder, Power Distribution Box Assembly

4-23. **POWER DISTRIBUTION BOX ASSEMBLY.** - Continued

c. Repair by replacing Phase Test Switch. (See figure 4-21.)

- (1) Request generator operator shut down generator.
- (2) Raise control panel cover (2) and request Module C supervisor place circuit breaker (3) in OFF position.
- (3) Remove control panel assembly (4). (See 23a. above).
- (4) Tag and unsolder terminal wires (5) from test switch (6).
- (5) Remove nut (7) holding test switch (6) in place and remove test switch (6)
- (6) Place replacement test switch (6) in position and secure with nut (7).
- (7) Solder terminal wires (5) to test switch (6) and remove tags.
- (8) Secure control panel assembly (4) to power distribution box assembly (8). (See 23a. above).
- (9) Request generator operator connect main power cable (1), and turn ON generator. Test operation, and request Module C supervisor to place circuit breaker (3) to ON position.



**Figure 4-21. Replacing Phase Test Switch,
Power Distribution Box Assembly**

4-23. POWER DISTRIBUTION BOX ASSEMBLY. - Continued

- d. Repair by replacing Phase Switch. (See figure 4-22.)
- (1) Request generator operator shut down generator and disconnect main power cable (1).
- (2) Raise control panel cover (2) and request Module C supervisor place circuit breaker (3) in OFF position.
- (3) Remove control panel assembly (4). (See 23a. above).
- (4) Tag and unsolder terminal wires (5) from phase switch (6).
- (5) Loosen screw (7) and remove knob (8).
- (6) Remove nut (9) and phase switch (6).
- (7) Place replacement phase switch (6) in position and secure with nut (9).
- (8) Place knob (8) on phase switch (6) and tighten screw (7).
- (9) Solder terminal wires (5) to phase switch (6) and remove tags.
- (10) Secure control panel assembly (4) to power distribution box assembly (10). (See 23a. above).
- (11) Request generator operator connect main power cable (1), and turn on generator. Test operation, and request Module C supervisor place circuit breaker (3) in ON position.

4-23. POWER DISTRIBUTION BOX ASSEMBLY. - Continued

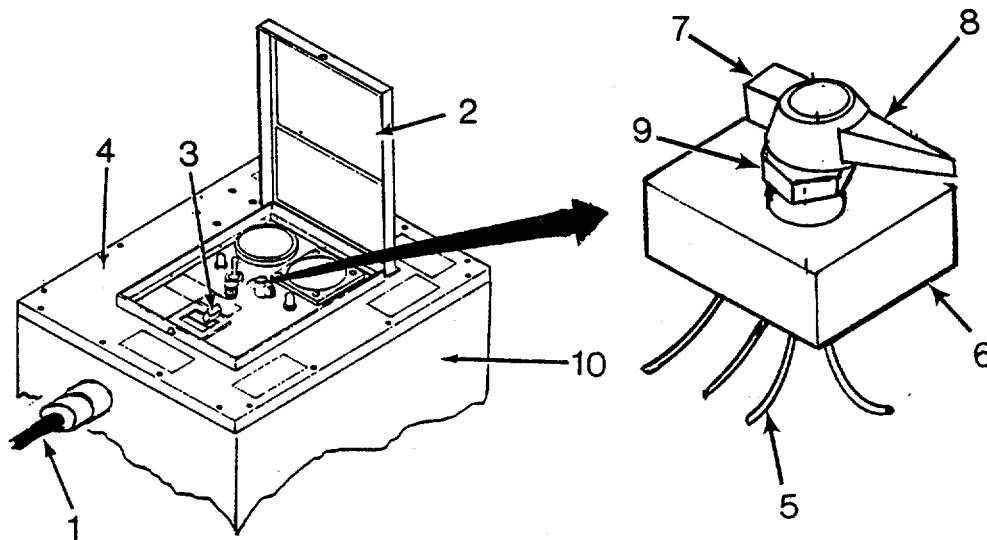


Figure 4-22. Replacing Phase Switch, Power Distribution Box Assembly

e. Repair by replacing Circuit Card Assembly, Power Distribution Box Assembly. (See figure 4-23.)

- (1) Request generator operator shut down generator and disconnect main power cable (1).
- (2) Raise control panel cover (2) and request Module C supervisor place circuit breaker (3) in OFF position.
- (3) Remove control panel assembly (4). (See 23a. above).
- (4) Tag and unsolder wires (5) from phase lights (6), and wires (7) from test switch (8).
- (5) Remove screws (9), lockwashers (10), and circuit board (11).
- (6) Remove screws (12), lockwashers (13), and stand offs (14).
- (7) Position stand offs (14) on replacement circuit board (11) and secure with lockwashers (13) and screws (12).

4-23. POWER DISTRIBUTION BOX ASSEMBLY. - Continued

- (8) Position circuit board (11) on control panel assembly (4) and secure with lockwashers (10) and screws (9).
- (9) Solder wires (5) to phase lights (6) and wires (7) to test switch (8) and remove tags.
- (10) Secure control panel assembly (4) to power distribution box assembly (15). (See 23a. above.)
- (11) Request generator operator connect main power cable (1), and turn on generator. Test operation, and request Module C supervisor place circuit breaker (3) in ON position.

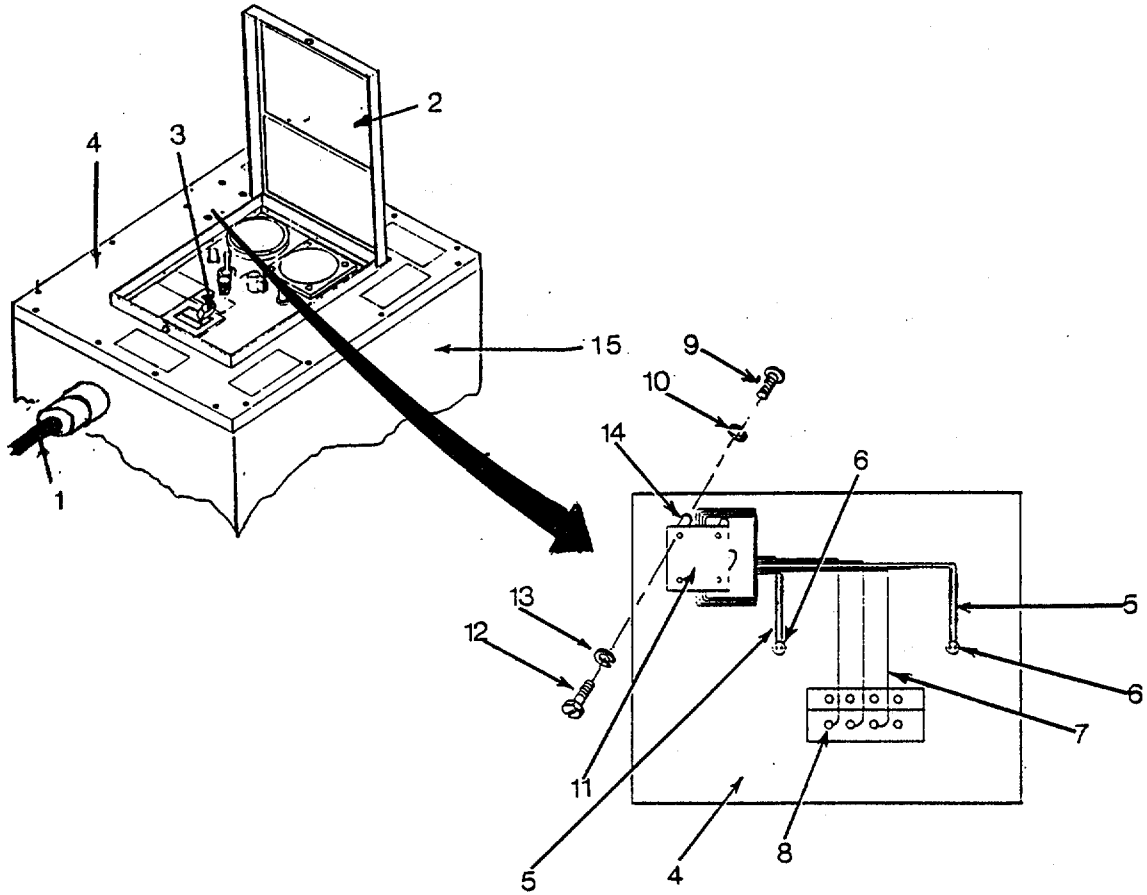


Figure 4-23. Replacing Circuit Card Assembly, Power Distribution Box Assembly

4-23. POWER DISTRIBUTION BOX ASSEMBLY. - Continued

f. Repair by replacing Phase Light, Power Distribution Box Assembly. (See figure 4-24.) This procedure applies to both the correct and incorrect phase lights.

- (1) Request generator operator shut down generator and disconnect main power cable (1).
- (2) Raise control panel cover (2) and request Module C supervisor place circuit breaker (3) in OFF position.
- (3) Remove control panel assembly (4). (See a. above).
- (4) Tag and unsolder terminal wires (5) from phase light (6).
- (5) Remove nut (7) and phase light (6).
- (6) Place replacement phase light (6) in position and secure with nut (7).
- (7) Solder terminal wires (5) to phase light (6) and remove tags.
- (8) Secure control panel assembly (4) to power distribution box assembly (8). (See a. above.)
- (9) Request generator operator connect main power cable (1), and turn on generator. Test operation, and request Module C supervisor place circuit breaker (3) in ON position.

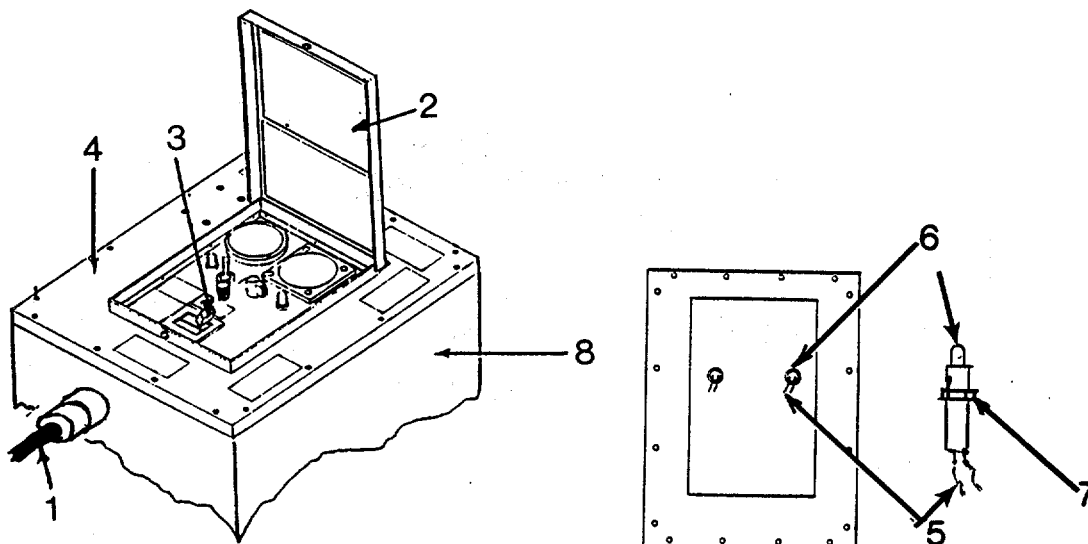


Figure 4-24. Replacing Phase Light, Power Distribution Box Assembly

4-23. POWER DISTRIBUTION BOX ASSEMBLY. - Continued

- g. Repair by replacing Voltage Meter, Power Distribution Box Assembly. (See figure 4-25.)
- (1) Request generator operator shut down generator and disconnect main power cable (1).
 - (2) Raise control panel cover (2) and request Module C supervisor place circuit breaker (3) in OFF position.
 - (3) Remove control panel assembly (4). (See a. above.)
 - (4) Tag and disconnect terminal wires (5) from voltage meter (6).
 - (5) Remove nuts (7), lockwashers (8), and voltage meter (6).
 - (6) Position replacement voltage meter (6) and secure with lockwashers (8) and nuts (7).
 - (7) Connect terminal wires (5) to voltage meter (6) and remove tags.
 - (8) Secure control panel assembly (4) to power distribution box assembly (9). (See a. above.)
 - (9) Request generator operator connect main power cable (1), and turn on generator. Test operation, and request Module C supervisor place circuit breaker (3) in ON position.

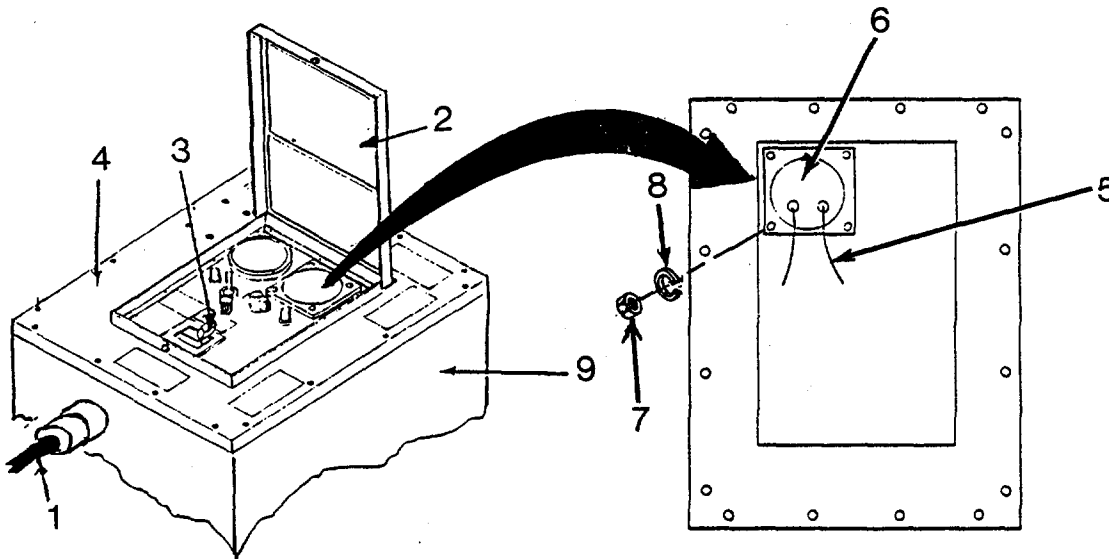


Figure 4-25. Replacing Voltage Meter, Power Distribution Box Assembly

4-23. POWER DISTRIBUTION BOX ASSEMBLY. - Continued

- h. Repair by replacing Frequency Meter, Power Distribution Box Assembly. (See figure 4-26.)
- (1) Request generator operator shut down generator and disconnect main power cable (1).
- (2) Raise control panel (2) and request Module C supervisor place circuit breaker (3) in OFF position.
- (3) Remove control panel assembly (4). (See a. above.)
- (4) Tag and disconnect terminal wires (5) from frequency meter (6).
- (5) Remove nuts (7), lockwashers (8), screws (9), and frequency meter (6).
- (6) Position replacement meter (6) and secure with screws (9), lockwashers (8), and nuts (7).
- (7) Connect terminal wires (5) to frequency meter (6) and remove tags.
- (8) Secure control panel assembly (4) to power distribution box assembly (10). (See a. above.)
- (9) Request generator operator connect main power cable (1), and turn on generator. Test operation, and request Module C supervisor place circuit breaker (3) in ON position.

4-23. POWER DISTRIBUTION BOX ASSEMBLY. - Continued

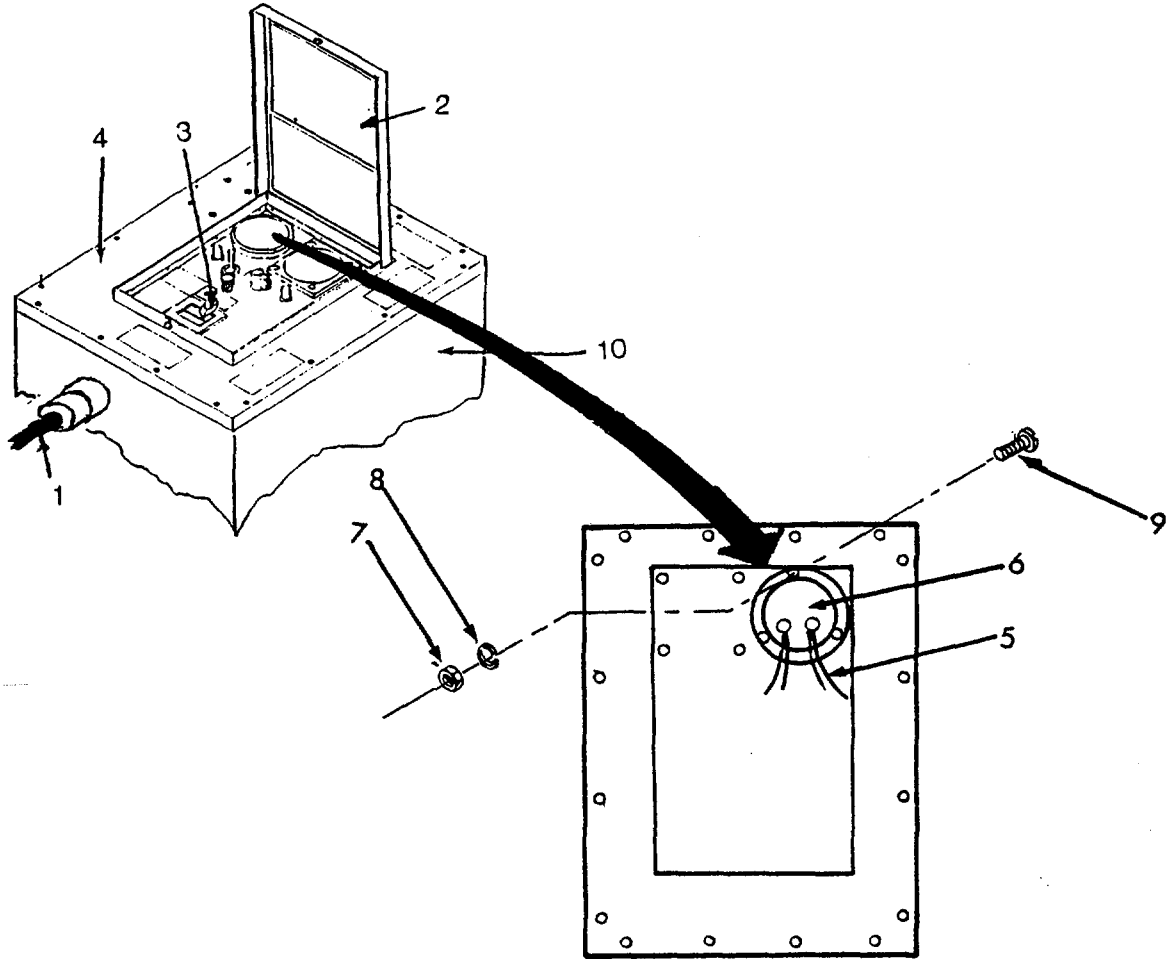


Figure 4-26. Replacing Frequency Meter, Power Distribution Box Assembly

4-24. PHASE MONITOR METER. Refer to figure 4-27 for location of components and hardware of the phase monitor meter.

This task covers: Repair

INITIAL SETUP

Tools

Electrical Equipment Tool Kit, Appendix B

Materials

None

4-24. PHASE MONITOR METER. - Continued**WARNING**

The main power cable to the Finishing Section MUST be disconnected before performing any maintenance on the phase monitor meter. Failure to do so may result in DEATH or serious injury.

a. Repair by replacing voltage meter.

(1) Remove phase monitor meter (1) from wall by removing screws (2), lockwashers (3) and flat washers (4).

(2) Tag and disconnect wires (5).

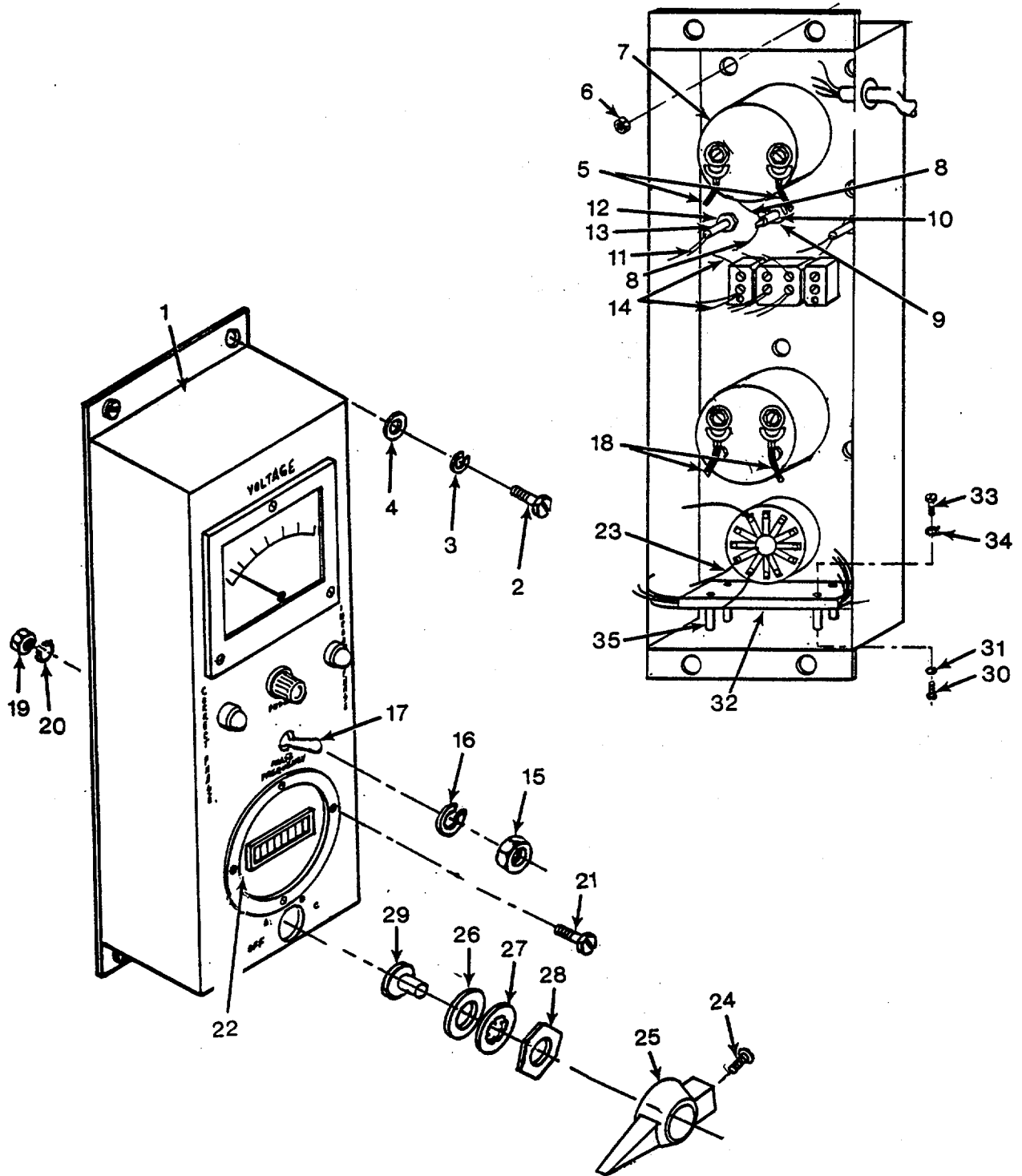


Figure 4-27. Repair Phase Monitor Meter

4-24. PHASE MONITOR METER. - Continued

- (3) Remove nuts (6) and voltage meter (7).
- (4) Position replacement voltage meter (7) and secure with nuts (6).
- (5) Connect wires (5) and remove tags.
- (6) Attach phase monitor meter (1) to shelter wall by securing flat washers (4), lockwashers (3), and screws (2).
- (7) Turn on power and test operation.

b. Repair by replacing fuse holder.

- (1) Remove phase monitor meter (1) from wall by removing screws (2), lockwashers (3) and flat washers (4).
- (2) Tag and unsolder wires (8).
- (3) Remove nut (9) and fuse holder (10).
- (4) Position replacement fuse holder (10) and secure with nut (9).
- (5) Solder wires (8) and remove tags.
- (6) Attach phase monitor meter (1) to shelter wall by securing flat washers (4), lockwashers (3), and screws (2).
- (7) Turn on power and test operation.

c. Repair by replacing correct/incorrect phase indicator lights.

NOTE

The procedure is the same for both phase indicator lights.

- (1) Remove phase monitor meter (1) from wall by removing screws (2), lockwashers (3) and flat washers (4).
- (2) Tag and unsolder wires (11).
- (3) Remove nut (12) and phase indicator light (13).

4-24. PHASE MONITOR METER. - Continued

c. Repair by replacing correct/incorrect phase indicator lights. - Continued

- (4) Position replacement phase indicator light (13) and secure with nut (12).
- (5) Solder wires (11) and remove tags.
- (6) Attach phase monitor meter (1) to shelter wall by securing flat washers (4), lockwashers (3), and screws (2).
- (7) Turn on power and test operation.

d. Repair by replacing phase test switch.

- (1) Remove phase monitor meter (1) from wall by removing screws (2), lockwashers (3) and flat washers (4).
- (2) Tag and unsolder wires (14).
- (3) Remove nut (15), lockwasher (16), and phase test switch (17).
- (4) Position replacement phase test switch (17) and secure with lockwasher (16) and nut (15).
- (5) Solder wires (14) and remove tags.
- (6) Attach phase monitor meter (1) to shelter wall by securing flat washers (4), lockwashers (3), and screws (2).
- (7) Turn on power and test operation.

e. Repair by replacing frequency meter.

- (1) Remove phase monitor meter (1) from wall by removing screws (2), lockwashers (3) and flat washers (4).
- (2) Tag and disconnect wires (18).
- (3) Remove nuts (19), lockwashers (20), screws (21), and frequency meter (22).
- (4) Position replacement frequency meter (22) and secure with screws (21), lockwashers (20), and nuts (19).
- (5) Connect wires (18) and remove tags.
- (6) Attach phase monitor meter (1) to shelter wall by securing flat washers (4), lockwashers (3), and screws (2).

4-24. PHASE MONITOR METER. - Continuede. Repair by replacing frequency meter. - Continued

(7) Turn on power and test operation.

f. Repair by replacing phase selector switch.

(1) Remove phase monitor meter (1) from wall by removing screws (2), lockwashers (3) and flat washers (4).

(2) Tag and unsolder wires (23).

(3) Loosen screw (24) and remove knob (25).

(4) Remove nut (26), lockwasher (27), flat washer (28), and phase selector switch (29).

(5) Position replacement phase selector switch (29) and secure with flat washer (28), lockwasher (27), and nut (26).

(6) Position knob (25) and tighten screw (24).

(7) Solder wires (23) and remove tags.

(8) Attach phase monitor meter (1) to shelter wall by securing flat washers (4), lockwashers (3), and screws (2).

(9) Turn on power and test operation.

g. Repair by replacing circuit board.

(1) Remove phase monitor meter (1) from wall by removing screws (2), lockwashers (3) and flat washers (4).

(2) Tag and unsolder wires (11) from the phase indicator lights (13), and only the top row of wires (14) from the phase test switch (17).

(3) Remove screws (30), lockwashers (31), and circuit board (32).

(4) Remove screws (33), lockwashers (34), and stand offs (35) from circuit board (32).

(5) Secure stand offs (35) to replacement circuit board (32) with lockwashers (34) and screws (33).

(6) Position stand offs (35) and secure with lockwashers (31) and screws (30).

4-24. PHASE MONITOR METER. - Continued

- g. Repair by replacing circuit board. - Continued

NOTE

Use wire color code to tag wires on the new circuit board the same as on the old circuit board.

- (7) Solder wires (11) and only the top row of wires (14) on replacement circuit board (32) to phase indicator lights (13) and phase test switch (17).
- (8) Attach phase monitor meter (1) to shelter wall by securing flat washers (4), lockwashers (3), and screws (2).
- (9) Turn on power and test operation.

4-25. RIFLE RACK ASSEMBLY. Refer to figure 4-28 for location of components and hardware of rifle rack assembly.

This task covers: Repair

INITIAL SETUP

Tools

General Mechanics Automotive Tool Kit, Appendix B

Materials

None

- a. Repair by replacing upper rifle rack. (See Figure 4-28.)
- (1) Remove caps (1), screws (2), and upper rifle rack (3).
- (2) Position replacement upper rifle rack (3) over holes and secure with screws (2). Install caps (1).
- b. Repair by replacing lower rifle rack. (See Figure 4-28.)
- (1) Remove screws (4) and lower rifle rack (5).
- (2) Position replacement lower rifle rack (5) and secure with screws (4).

4-25. RIFLE RACK ASSEMBLY. - Continued

- c. Repair by replacing hook and pile fastener. (See Figure 4-28.)
 - (1) Using electric drill, drill out rivets (6) and remove hook and pile fastener (7).
 - (2) Position hook and pile fastener (7) and using blind riveter install rivets (6).
- d. Repair by replacing rubber mat. (See Figure 4-28.)
 - (1) Remove screws (8), lower rifle guide (9), and rubber mat (10).

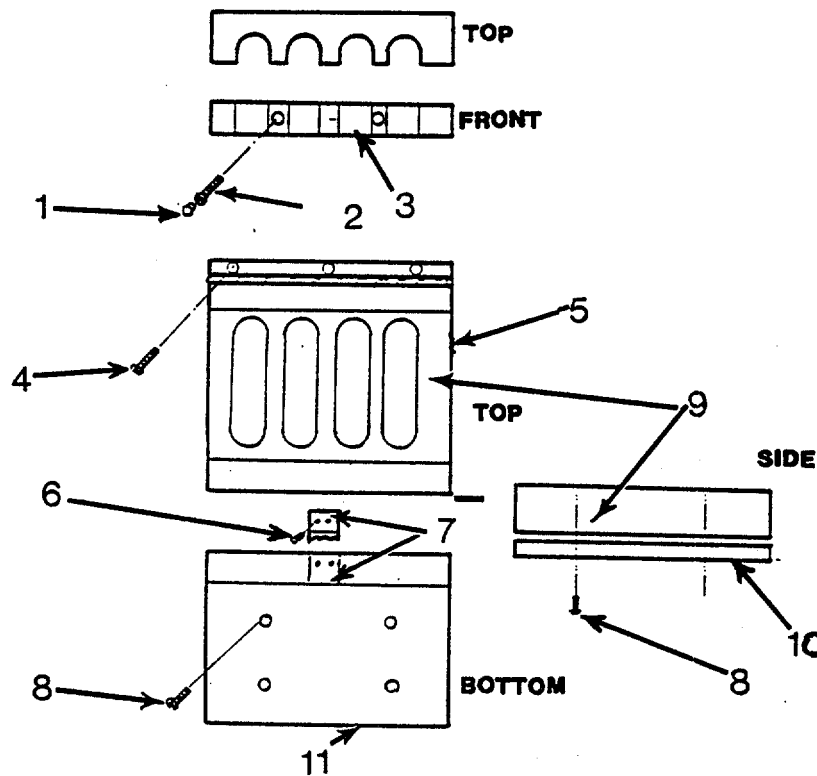


Figure 4-28. Repair Rifle Rack Assembly

4-25. RIFLE RACK ASSEMBLY. - Continued

- (2) Apply adhesive (Appendix E, item 1) to bottom of replacement rubber mat (10), and position on lower plate (11).
- (3) Secure lower rifle guide (9), rubber mat (10), and lower plate (11) with screws (8).

4-26. BLACKOUT BUZZER ASSEMBLY. Refer to Figure 4-29 for location of blackout buzzer assembly components and hardware.

This task covers: Repair

INITIAL SETUP**Tools**

General Mechanics Automotive Tool Kit, Appendix B

Materials

None

WARNING

High voltage exists in the electrical system of this equipment. DEATH on contact may result if personnel fail to observe safety precautions.

a. Repair by replacing blackout switch.

- (1) Shut off ceiling light breaker (1) on power distribution panel (2).
- (2) Remove screws (3), lockwashers (4), flat washers (5), and switch plate (6).
- (3) Tag and unsolder wires (7) from blackout switch (8).
- (4) Remove nut (9) and blackout switch (8).
- (5) Position replacement blackout switch (8) and secure with nut (9).

4-26. BLACKOUT BUZZER ASSEMBLY. - Continued

- (6) Solder wires (7) on blackout switch (8) and remove tags.
- (7) Position switch plate (6) and secure with flat washers (5), lockwashers (4), and screws (3).
- (8) Turn on ceiling light circuit breaker (1) and test operation.

b. Repair by replacing blackout buzzer.

- (1) Loosen screws (10) and remove blackout buzzer (11).
- (2) Tag and disconnect wires (12).
- (3) Remove screws (13), lockwashers (14), flat washers (15), and buzzer plate (16).
- (4) Position replacement buzzer plate (16) and secure with flat washers (15), lockwashers (14), and screws (13).
- (5) Connect wires (12) and remove tags.
- (6) Position blackout buzzer cover (11) and tighten screws (10).

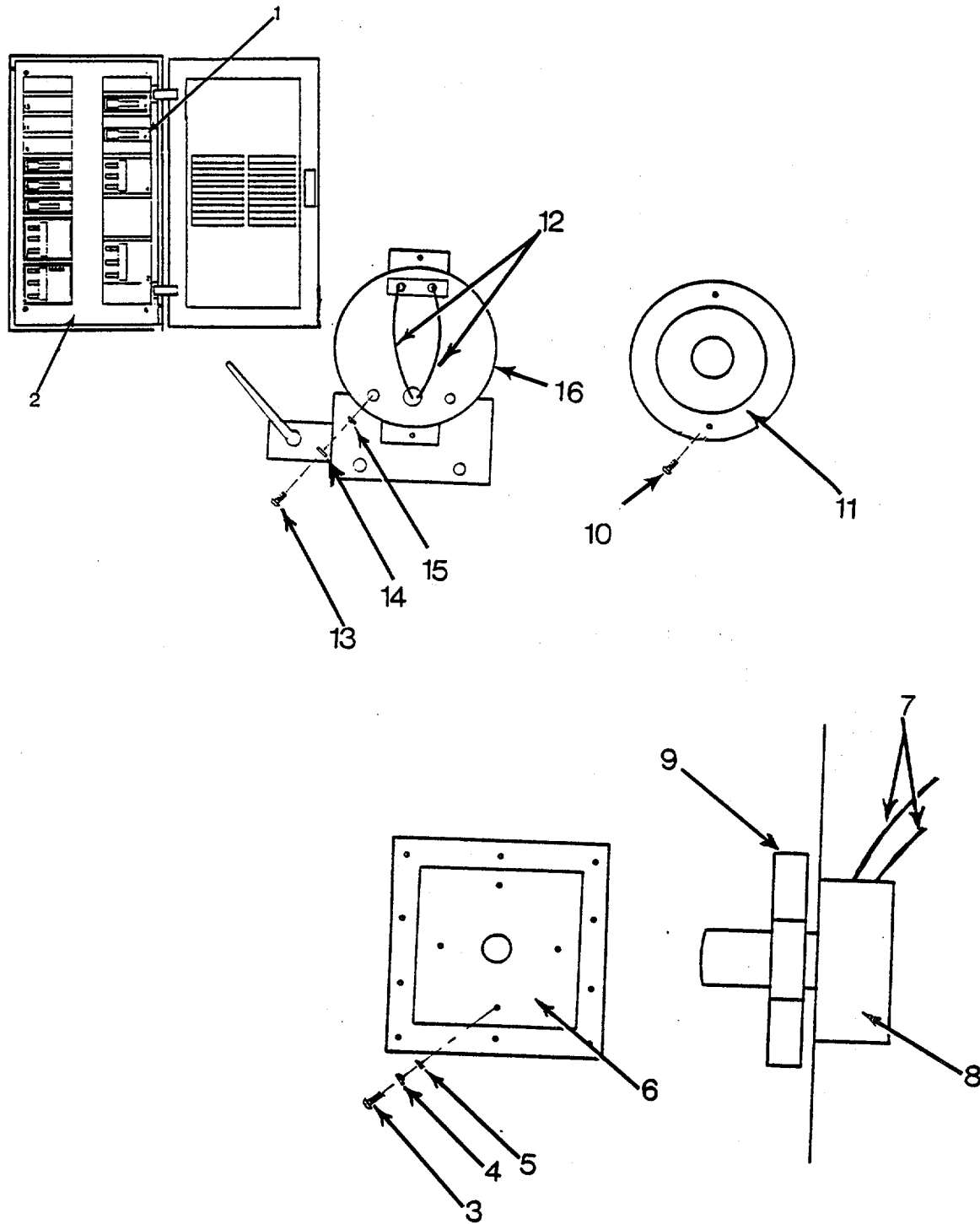


Figure 4-29. Blackout Buzzer Assembly

4-27. EMERGENCY LIGHT. Refer to Figure 4-30 for location of components and hardware of emergency light.

This task covers: a. Replace b. Repair

INITIAL SETUP

Tools

Electrical Equipment Tool Kit, Appendix B
Multimeter, Appendix B

Materials

None

WARNING

High voltage exists in the electrical system of this equipment. DEATH on contact may result if personnel fail to observe safety precautions.

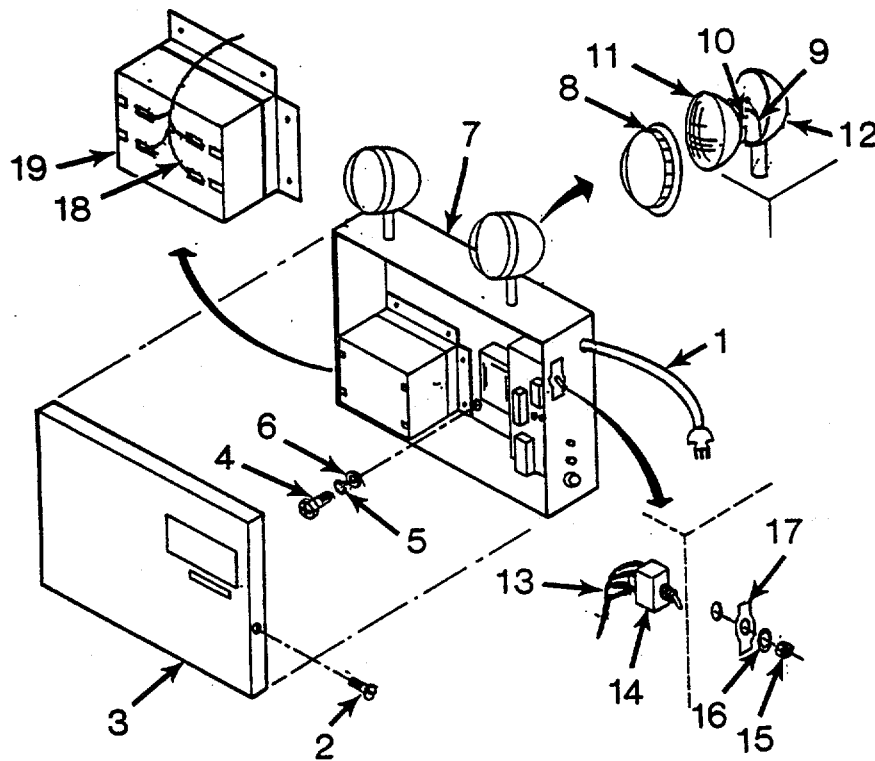


Figure 4-30. Emergency Light

4-27. EMERGENCY LIGHT. - Continueda. Replace.

- (1) Unplug power cord (1) from wall outlet.
- (2) Remove screws (2) and cover (3).
- (3) Remove screws (4), lockwashers (5), flat washers (6), and emergency light (7).
- (4) Position replacement emergency light (7) and secure using flat washers (6), lockwashers (5), and screws (4).
- (5) Position cover (3) and secure with screws (2).
- (6) Plug in power cord (1), turn on power, and test operation.

b. Repair.

- (1) Repair by replacing sealed beam lamp.

NOTE

The following procedure is for one sealed beam lamp. The other is the same.

- (a) Unplug power cord (1) from wall outlet.
- (b) Turn retaining ring (8) counterclockwise and remove.
- (c) Tag and disconnect electrical wires (9) by loosening screws (10) and remove sealed beam lamp (11) from lamp housing (12).
- (d) Connect electrical wires (9) to replacement sealed beam lamp (11) by tightening screws (10) and remove tags.
- (e) Position replacement sealed beam lamp (11) in lamp housing (12).
- (f) Install retaining ring (8) by turning clockwise.
- (g) Plug in electrical cord (1), turn on power, and test operation by pressing TEST switch.

4-27. EMERGENCY LIGHT. - Continued

- (2) Repair by replacing ON/OFF power switch.
 - (a) Unplug power cord (1) from wall outlet.
 - (b) Remove screws (2) and cover (3).
 - (c) Tag and unsolder wires (13) from switch (14).
 - (d) Remove nut (15), lockwasher (16), plate (17), and switch (14).
 - (e) Position replacement switch (14) and secure using plate (17), lockwasher (16), and nut (15).
 - (f) Solder wires (13) to switch (14) and remove tags.
 - (g) Position cover (3) and secure with screws (2).
 - (h) Plug in power cord (1) and test operation.
- (3) Repair by replacing battery
 - (a) Place ON/OFF power switch in OFF position.
 - (b) Unplug power cord (1) from wall outlet.
 - (c) Remove screws (2) and cover (3).
 - (d) Tag and disconnect electrical wires (18) from battery (19).
 - (e) Remove battery (19).
 - (f) Install replacement battery (19).
 - (g) Connect electrical wires (18) and remove tags.
 - (h) Position cover (3) and secure using screws (2).
 - (i) Plug in power cord (1), place ON/OFF power switch in ON position, and test operation.

4-28. PAPER CUTTER. Refer to TM 5-3610-299-12&P for repair procedures for the paper cutter.

4-28.1 FLIP-TOP PLATEMAKER. Refer to TM 5-3610-305-12&P for repair of platemaker.

4-28.2 LIGHT TABLE ASSEMBLY.

This task covers: a. Inspect b. Replace c. Repair

INITIAL SETUP

Tools

General mechanics automotive tool kit, Hand blind riveter

Materials

None

- a. Inspect. (See Figure 4-31.)
 - (1) Inspect light table for security of mounting.
 - (2) Check light table glass top for damage.
 - (3) Check lights for proper operation.
 - (4) Inspect OFF and ON switch for proper operation and for security of mounting.
- b. Replace. (See Figure 4-31.)
 - (1) Disconnect power cord (1).
 - (2) Remove hand knobs (2).
 - (3) Remove light table (3).
 - (4) Position replacement light table (3).
 - (5) Install hand knobs (2).
 - (6) Connect power cord (1) to proper receptacle.

4-28.2 LIGHT TABLE ASSEMBLY. - Continued

b. Replace. - Continued

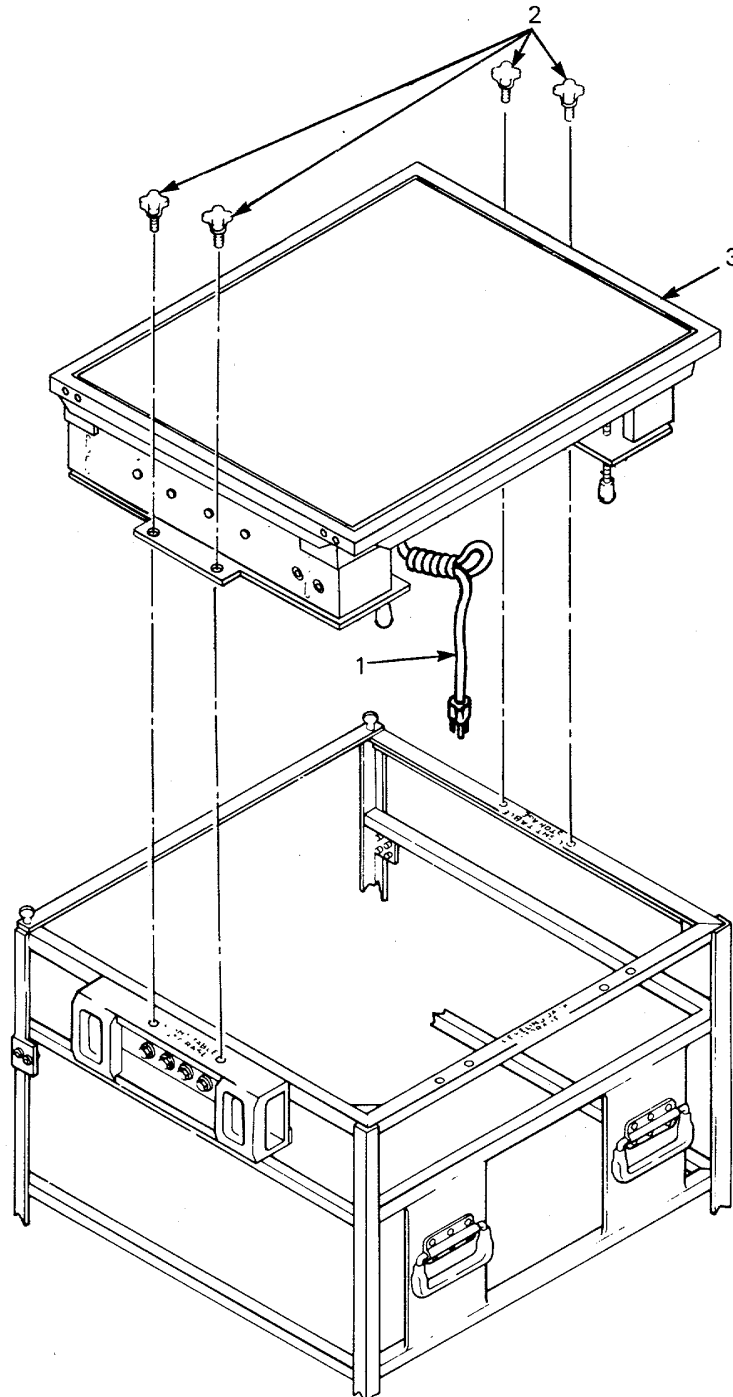


Figure 4-31. Light Table Assembly - Replacement

Change 1 4-72

4-28.2 LIGHT TABLE ASSEMBLY. - Continued

- c. Repair. (See Figure 4-32.)
- (1) Remove three screws (1) and alignment rail (2).
 - (2) Remove plastic top (3) and table glass (4).
 - (3) Grasp fluorescent tubes (5), rotate 90°, and remove from tube sockets.
 - (4) Rotate starters (6) counter clockwise and remove from sockets.
 - (5) Remove nuts (7) and remove ballasts (8).
 - (6) Remove power cord (9), switch (10), and nut (11).
 - (7) Remove nuts (12) and remove left and right lamp bracket assemblies (13).
 - (8) Install left and right lamp bracket assemblies (13) and secure with nuts (12).
 - (9) Install switch (10), nut (11), and power cord (9).
 - (10) Install ballasts (8) and secure with nuts (7).
 - (11) Install starters (6) by inserting and turning clockwise.
 - (12) Install fluorescent tubes (5) by rotating 90° in sockets.
 - (13) Install table glass (4) and plastic top (3).
 - (14) Install alignment rail (2) and secure with three screws (1).
 - (15) Align rail square to other rails using T-square.

Change 1 4-73

c. Repair. - Continued

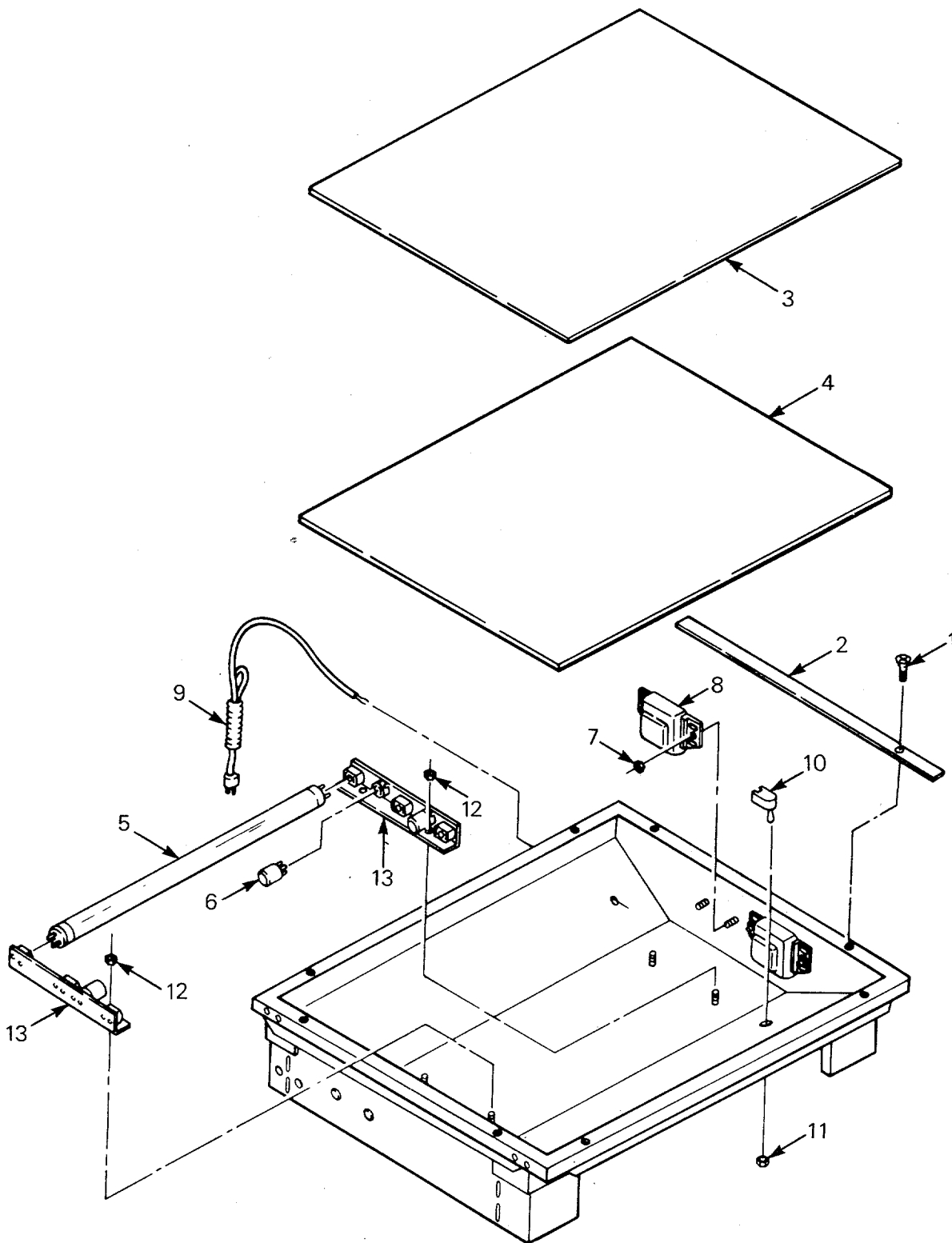


Figure 4-32. Light Table Assembly - Repair

Change 1 4-74

SECTION VII. PREPARATION FOR STORAGE OR SHIPMENT

4-29. GENERAL. Refer to Chapter 2, Section III, paragraph 2-14 for detailed procedures for preparing the Finishing Section for storage or shipment.

Change 1 4-75/(4-76 Blank)

CHAPTER 5. DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

There are no direct support maintenance procedures for the Modular Printing System (Modules B and C).

5-1/(5-2 Blank)

APPENDIX A

REFERENCES

A-1. SCOPE

This appendix lists all forms, field manuals, technical manuals, and miscellaneous publications referenced in this manual.

A-2. FORMS

| | |
|--|---------|
| Report of Packaging and Handling Deficiencies | SF 364 |
| Quality Deficiency Report..... | SF 368 |
| Recommended Changes to Publications and Blank Forms..... | DA-2028 |

A-3. FIELD MANUALS

| | |
|--------------------------------|----------|
| Basic Cold Weather Manual..... | FM 31-70 |
| Northern Operations..... | FM 31-71 |
| Mountain Operations..... | FM 31-72 |

A-4. TECHNICAL MANUALS

| | |
|--|--------------------|
| Destruction of Equipment to Prevent Enemy Use..... | TM 750-244-3 |
| Modular Printing System, Module A | TM 5-3610-295-13&P |
| Modular Printing System, Module B | TM 5-3610-293-13&P |
| Paper Cutter, 30 Inch | TM 5-3610-299-12&P |
| Generator Set, Diesel Engine Driven, Tactical | TM 5-6115-545-12 |
| Shelter, Tactical, Expandable, Two-Sided | TM 10-5411-200-14 |
| Shelter, Tactical, Expandable, Two-Sided | TM 10-5411-200-24P |
| Air Conditioner, Wall Mounted, Vertical 24,000 | TM 5-4120-395-14&P |
| BTUH Cooling, 23,600 BTUH Heating | |
| Air Conditioner, Wall Mounted, Vertical 35,200 | TM 5-4120-396-14&P |
| BTUH Cooling, 36,200 BTUH Heating | |
| Platemaker, Flip-top..... | TM 5-3610-305-12&P |

A-5. MISCELLANEOUS PUBLICATIONS

| | |
|--|----------------|
| The Army Maintenance Management System | DA PAM 738-750 |
|--|----------------|

APPENDIX B

MAINTENANCE ALLOCATION CHART

Section I. INTRODUCTION

B-1. SCOPE

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 and the work measurement time required to perform the functions by the designated maintenance level. 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 tools and test equipment required for each maintenance function as referenced from Section II.

B-2. EXPLANATION OF COLUMNS IN SECTION II

a. Column 1, Group Number. Column 1 lists group numbers to identify related components, assemblies, subassemblies, and modules with their next higher assembly. The applicable groups are listed in the MAC in disassembly sequence beginning with the first group removed.

b. Column 2, Component/Assembly. This column contains the noun names of components, assemblies, subassemblies and modules for which maintenance is authorized.

c. Column 3, Maintenance Functions. This column lists the functions to be performed on the item listed in Column 2. The maintenance functions are defined as follows:

(1) Inspect. To determine serviceability of an item by comparing its physical, mechanical, and/or electrical characteristics with established standards through examination by sight, sound or feel.

(2) Test. To verify serviceability and detect incipient failure by measuring the mechanical or electrical characteristics of an item and comparing those characteristics with prescribed standards.

(3) Service. Operations required periodically to keep an item in proper operating condition, i.e., to clean (decontaminate), to preserve, to drain, to paint, or to replenish fuel, lubricants, hydraulic fluids, or compressed air supplies.

B-2. EXPLANATION OF COLUMNS IN SECTION II - Continued

(4) Adjust. To maintain, within prescribed limits, by bringing into proper or exact position, or by setting the operating characteristics to specified parameters.

(5) Align. To adjust specified variable elements of an item to bring about optimum or desired performance.

(6) Calibrate. To determine and cause corrections to be made or to be adjusted on instruments or test, measuring and diagnostic equipments used in precision measurement. Consists of 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.

(7) Install. The act of emplacing, seating, or fixing into position an item, part, or module (component or assembly) in a manner to allow the proper functioning of an equipment or system.

(8) Replace. The act of substituting a serviceable like type part, subassembly, or module (component or assembly) for an unserviceable counterpart.

(9) Repair. The application of maintenance services (inspect, test, service, adjust, align, calibrate, or replace) or other maintenance actions (welding, grinding, riveting, straightening, facing, remachining, or resurfacing) to restore serviceability to an item by correcting specific damage, fault, malfunction, or failure in a part, subassembly, module (component or assembly), end item or system.

(10) Overhaul. That maintenance effort (service/action) necessary to restore an item to a completely serviceable/operational condition as prescribed by maintenance standards (i.e., DMWR) in appropriate technical publications. Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to a like new condition.

(11) Rebuild. Consists of those services/actions necessary for the restoration of unserviceable equipment to a like new condition in accordance with original manufacturing standards. Rebuild is the highest degree of materiel maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (hours/miles, etc.) considered in classifying Army equipments/components.

d. Column 4, Maintenance Category. This column is made up of subcolumns for each category of maintenance. Work time figures are listed in these subcolumns for the lowest level of maintenance authorized to perform the function listed in Column 3. These figures indicate the average active time required to perform the maintenance function at the indicated category of maintenance under typical field operating conditions.

e. Column 5, Tools and Equipment. This column is provided for referencing by code, the common tool sets (not individual tools), special tools, test and support equipment required to perform the designated function.

B-3. EXPLANATION OF COLUMNS IN SECTION III

a. Column 1, Reference Code. This column consists of an arabic number listed in sequence from Column 5 or Section II. The number references the common tool sets, special tools and test equipment requirements.

b. Column 2, Maintenance Category. This column shows the lowest category of maintenance authorized to use the special tools or test equipment.

C = OPERATOR/CREW
O = UNIT
F = DIRECT SUPPORT
H = GENERAL SUPPORT
D = DEPOT

c. Column 3, Nomenclature. This column lists the name or identification of the common tool sets, special tools or test equipment.

d. Column 4, National/NATO STOCK NUMBER (NSN). This column is provided for the NSN of common tool sets, special tools and test equipment listed in the nomenclature column.

e. Column 5, Tool Number. This column lists the manufacturer's code and part number of tools and test equipment.

B-3/(B-4 Blank)

Section II MAINTENANCE ALLOCATION CHART

| NONMENCLATURE OF END ITEMS | | | | | | | | | |
|----------------------------|--|---|--------------------------|------------|----|----|-------|-------------------------------|----------------|
| (1) GROUP NUMBER | (2) COMPONENT/ ASSEMBLY | (3) MAINTENANCE FUNCTION | (4) MAINTENANCE LEVEL | | | | | (5) TOOLS AND EQUIPMENT | (6) REMARKS |
| | | | UNIT | | DS | GS | DEPOT | | |
| | | | C | O | F | H | D | | |
| 00 | Finishing Section Modular Printing System (Module C) | | | | | | | | |
| 01 | Islatrol Control Box | Inspect Replace Test | 0.1 | 0.5 0.2 | | | | 1,2 3 | |
| 02 | Cargo Door Vent Assembly | Inspect Service Repair Replace | 0.1 0.1 | 1.0 0.5 | | | | 1,2,4 1,5 | |
| 03 | Air Conditioner Assembly | Inspect Replace | 0.1 | 3.0 | | | | 1,2,4 | |
| | Mounting Bracket Assembly, Air Conditioner | Replace | | 6.5 | | | | 1,2,4 | |
| 04 | Ducting Assembly, Air Conditioner | Inspect Repair | 0.1 | 0.3 | | | * | 1,4,5 | |
| 05 | Housing Assembly, Air Conditioner | Inspect Service Repair | 0.2 0.2 | 0.4 | | | * | 1,4 | |
| 06 | Office Cabinet Assembly | Inspect Repair | 0.1 | 0.5 | | | | 1 | |
| 07 | Paper Storage Rack Assembly with Table Storage | Inspect Repair | 0.1 | 0.5 | | | | 1 | |
| 08 | Paper Storage Rack Assembly with Light Table | Inspect Repair | 0.1 | 0.5 | | | * | 1 | |
| 09 | Flip-Top Platemaker | Inspect Replace | 0.1 | 0.3 | | | * | A | |
| 10 | Wall Cabinet Assembly | Inspect Replace | 0.1 | 0.3 | | | | 1 | |

*Depot Repair Times to be Determined

Section II MAINTENANCE ALLOCATION CHART

| NONMENCLATURE OF END ITEMS | | | | | | | | | |
|----------------------------|-------------------------------|--------------------------------|--------------------------|------------|----|----|-------|-------------------------------|----------------|
| (1) GROUP NUMBER | (2) COMPONENT/ ASSEMBLY | (3) MAINTENANCE FUNCTION | (4) MAINTENANCE LEVEL | | | | | (5) TOOLS AND EQUIPMENT | (6) REMARKS |
| | | | UNIT | | DS | GS | DEPOT | | |
| | | | C | O | F | H | D | | |
| 11 | Drawer Table Assembly | Inspect Repair | 0.1 | 0.5 | | | * | 1,5 | |
| 12 | Shelf Table Assembly | Inspect Repair | 0.1 | 0.3 | | | | 1 | |
| 13 | Power Distribution Box | Inspect Repair | 0.1 | 0.6 | | | * | 1,2,3 | |
| 14 | Shelter, ISO | Replace | | | | | * | | B |
| 15 | Phase Monitor Meter | Inspect Repair | 0.1 | 0.7 | | | | 2,3 | |
| 16 | Rifle Rack Assembly | Inspect Replace | 0.1 | 0.8 | | | | 1 | |
| 17 | Blackout Buzzer Assembly | Inspect Repair | 0.1 | 0.5 | | | | 2 | |
| 18 | Miscellaneous Support Items | Inspect Replace | 0.1 | 0.5 | | | | 1 | |
| 19 | Papercutter | Replace | | | | | 20.0 | | C |
| 20 | Light Table Assembly | Inspect Replace Repair | 0.2 | 0.2 1.5 | | | | 2 | |

* Depot Repair Times to be Determined

**SECTION III. TOOL AND TEST EQUIPMENT REQUIREMENTS
MODULAR PRINTING SYSTEM, MODULE C**

| REFERENCE | MAINTENANCE CATEGORY | NOMENCLATURE | NATIONAL STOCK NUMBER | TOOL NUMBER |
|-----------|----------------------|---------------------------------------|-----------------------|--------------------|
| 1 | 0 | General Mechanics Automotive Tool Kit | 5180-00-177-7033 | SC5180-90-CL-N26 |
| 2 | 0 | Electrical Equipment Tool Kit | 5180-00-876-9336 | 7550526 (19204) |
| 3 | 0 | Multimeter, Digital | 6625-01-139-2512 | T00377 (55026) |
| 4 | 0 | Wrench, Pipe | 5120-01-192-9385 | PW18B (55719) |
| 5 | 0 | Hand Blind Riveter | 5120-00-017-2849 | 98 (61957) |

SECTION IV. REMARKS

| REFERENCE CODE | REMARKS |
|----------------|--|
| A | Consult TM 5-3610-305-12&P for maintenance instructions and repair parts for the Flip-top Platemaker |
| B | Consult TM 10-5411-200-14 for maintenance instructions and repair parts for the two-sided expandable ISO shelter. |
| C | Consult TM 5-3610-299-12&P for maintenance instructions and repair parts for the Papercutter |

APPENDIX C

COMPONENTS OF END ITEM AND BASIC ISSUE ITEMS LIST

SECTION I. INTRODUCTION

C-1. SCOPE

This appendix lists components of end item and basic issue items for the Finishing Section to help you inventory items required for safe and efficient operation.

C-2. GENERAL

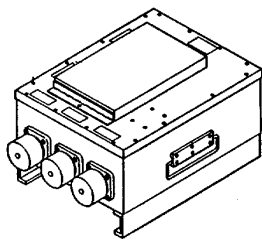
The Components of End Item and Basic Issue Items List is provided in Section II. This listing is for informational purposes only, and is not authority to requisition replacements. These items are part of the end item, but are removed and separately packaged for transportation or shipment. As part of the end item, these items must be with the end item whenever it is issued or transferred between property accounts. Illustrations are furnished to assist you in identifying the items.

C-3. EXPLANATION OF COLUMNS IN SECTION II. The following provides an explanation of columns found in the tabular listings:

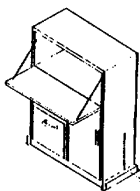
- a. Column (1) Illustration Number (Illus Number). This column indicates the number of the illustration in which the item is shown.
- b. Column (2) National Stock Number. Indicates the National Stock Number assigned to the item and will be used for requisitioning purposes.
- c. Column (3) Description. Indicates the Federal item name and, if required, a minimum description to identify and locate the item. The last line for each item indicates the FSCM (in parentheses) followed by the part number.
- d. Column (4) Unit of Measure (U/M). Indicates the measure used in performing the actual operational/maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr).
- e. Column (5) Quantity required (Qty rqr). Indicates the quantity of the item authorized to be used with/on the equipment.

C-1/(C-2 Blank)

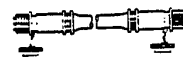
SECTION II. COMPONENTS OF END ITEM LIST



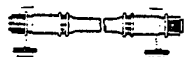
1



2



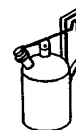
3



4



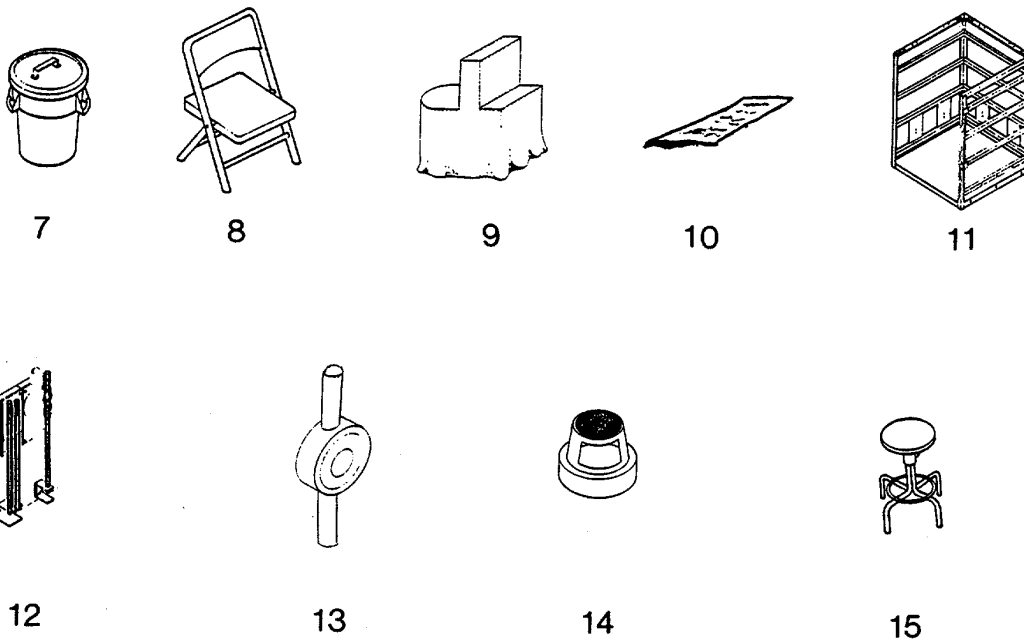
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6

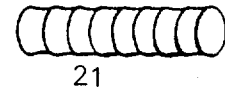
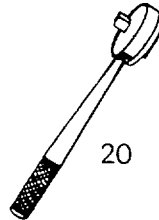
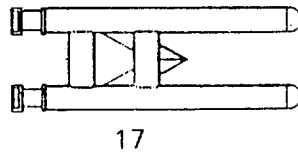
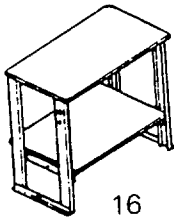
| (1) ILLUS NUMBER | (2) NATIONAL STOCK NUMBER | (3) DESCRIPTION CAGEC and Part Number | (4) USABLE On Code | (5) QTY rqr |
|------------------------|---------------------------------|--|--------------------------|-------------------|
| 1 | Not assigned | BOX, POWER DISTRIBUTION (81337) 5-13-4836 | EA | 1 |
| 2 | Not assigned | CABINET, OFFICE STORAGE (81337) 5-13-4880 | EA | 1 |
| 3 | Not Assigned | CABLE ASSEMBLY, POWER 75 ft. (81337) 5-13-4791 | EA | 1 |
| 4 | Not Assigned | CABLE ASSEMBLY, POWER 15 ft. (81337) 5-13-4790 | EA | 1 |
| 5 | 7240-00-282-8411 | CAN, FLAMMABLE WASTE, 6 GL | EA | 1 |
| 6 | 7240-00-244-7412 | CAN, SAFETY, 1 QT | EA | 2 |

SECTION II. COMPONENTS OF END ITEM LIST



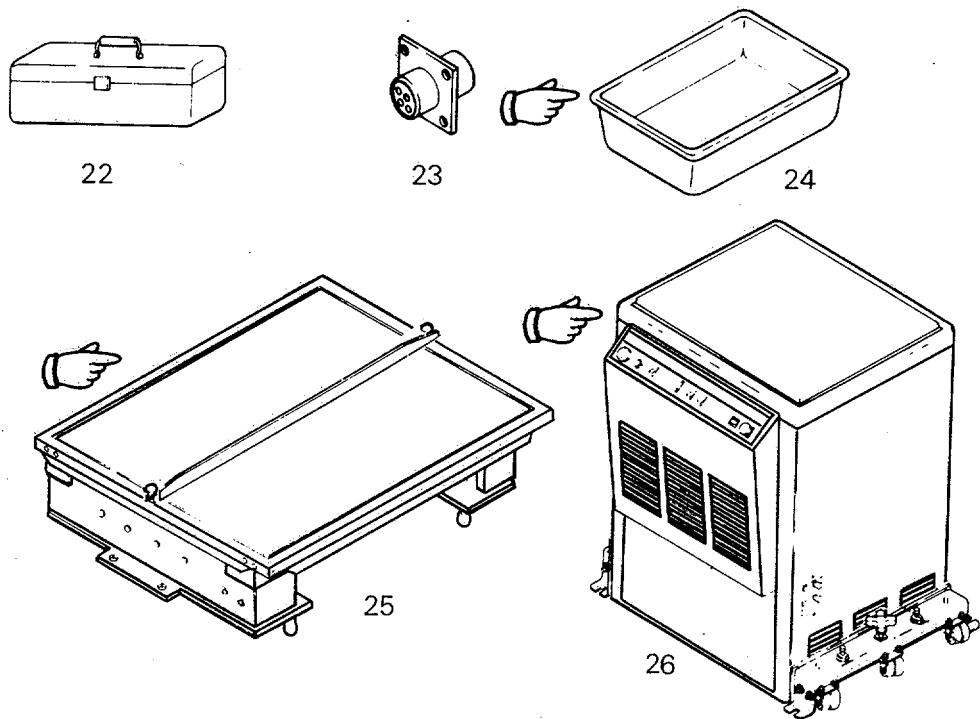
| (1) ILLUS NUMBER | (2) NATIONAL STOCK NUMBER | (3) DESCRIPTION CAGEC and Part Number | USABLE On Code | (4) U/I | (5) QTY rqr |
|------------------------|---------------------------------|---|-------------------|------------|-------------------|
| 7 | 7240-00-139-7521 | CAN, WASTE, 44 GL | | EA | 1 |
| 8 | 7105-00-269-8463 | CHAIR, FOLDING | | EA | 1 |
| 9 | Not Assigned | COVER, PAPER CUTTER (81337) 5-13-5061 | | EA | 1 |
| 10 | 7220-01-057-1897 | MATTING, FLOOR | | YD | 2 |
| 11 | Not Assigned | RACK, STORAGE, PAPER (81337) 5-13-4717 | | EA | 3 |
| 12 | 5975-00-878-3971 | ROD, GROUND, COPPER | | EA | 1 |
| 13 | 5120-01-013-1676 | SLIDE HAMMER, GROUND ROD | | EA | 1 |
| 14 | 7105-00-782-3166 | STOOL, STEP | | EA | 1 |
| 15 | 7110-00-634-3516 | STOOL, REVOLVING | | EA | 3 |

SECTION II. COMPONENTS OF END ITEM LIST



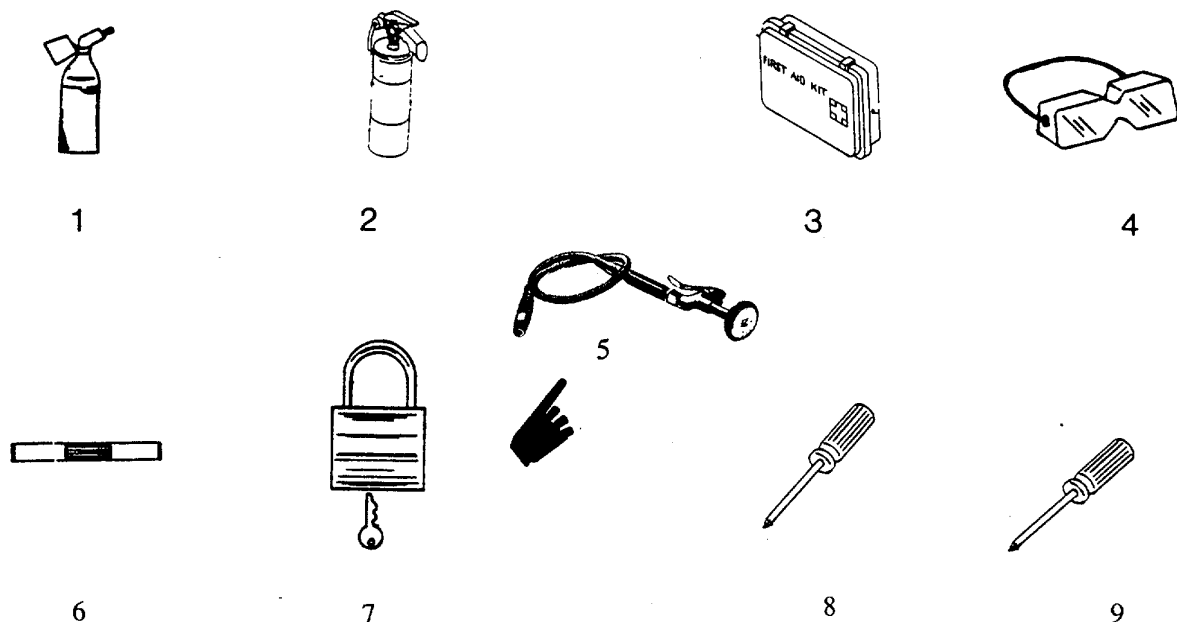
| (1) ILLUS NUMBER | (2) NATIONAL STOCK NUMBER | (3) DESCRIPTION CAGEC and Part Number | (4) USABLE On Code | (5) QTY U/I rqr |
|------------------------|---------------------------------|--|--------------------------|--------------------------|
| 16 | Not Assigned | TABLE, SHELF (81337) 5-13-4857 | | |
| 17 | Not Assigned | STRAP, CARRYING, POWER, CABLE (97403) 13227E5821 | EA | 4 |
| 18 | Not Assigned | STRAP TIEDOWN, RUBBER (39428) 3891T18 | EA | 12 |
| 19 | 5120-00-928- 4191 | WRENCH, HEX (39428), 3891T18 | EA | 2 |
| 20 | 5120-00-230-6385 | WRENCH, RACHET, 1/2 IN. DRIVE, (SOLAR BAR) | EA | 1 |
| 21 | Not Assigned | DUCT, FLEXIBLE, AIR CONDITIONER (39428) 5266K59 | FT | 3 |

SECTION II. COMPONENTS OF END ITEM LIST



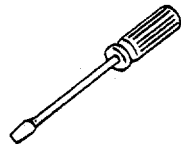
| (1) ILLUS NUMBER | (2) NATIONAL STOCK NUMBER | (3) DESCRIPTION CAGEC and Part Number | (4) USABLE On Code | (5) QTY rqr |
|------------------------|---------------------------------|--|--------------------------|-------------------|
| 22 | 5140-00-331-5496 | BOX, TOOL (OPERATOR) | EA | 1 |
| 23 | 5935-01-101-3418 | RECEPTACLE, POWER, FEMALE (Commercial Power Adapter) | EA | 1 |
| 24 | Not assigned | TRAY, DEVELOPING (10068), 20H24 | EA | 1 |
| 25 | | LIGHT TABLE ASSEMBLY (81337), 5-13-5177 | EA | 1 |
| 26 | | PLATEMAKER, FLIP-TOP (81337), 5-13-5186 | EA | 1 |

SECTION III. BASIC ISSUE ITEMS LIST

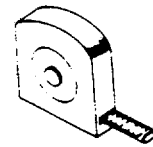


| (1) ILLUS NUMBER | (2) NATIONAL STOCK NUMBER | (3) DESCRIPTION CAGEC and Part Number | (4) USABLE On Code | (5) QTY rqr |
|------------------------|---------------------------------|---|--------------------------|-------------------|
| 1 | 4930-00-266-9182 | CAN, OIL | EA | 2 |
| 2 | 4210-00-165-4703 | EXTINGUISHER, FIRE | EA | 2 |
| 3 | 6545-00-922-1200 | FIRST AID KIT | EA | 1 |
| 4 | 4240-00-052-3776 | GOGGLES, INDUSTRIAL | EA | 2 |
| 5 | 4510-01-056-9580 | HOSE AND SPRAY ASSEMBLY | EA | 1 |
| 6 | Not Assigned | LEVEL, HAND (7D560) 37567 | EA | 1 |
| 7 | 5340-00-682-1505 | PADLOCK SET | SE | 1 |
| 8 | 5120-00-764-8080 | SCREWDRIVER, CROSS-TIP, #1 | EA | 1 |
| 9 | 5120-00-596-0861 | SCREWDRIVER, CROSS-TIP, #2 | EA | 1 |

SECTION III. BASIC ISSUE ITEMS LIST



10



11



12



13

| (1) ILLUS NUMBER | (2) NATIONAL STOCK NUMBER | (3) DESCRIPTION CAGEC and Part Number | (4) USABLE On Code | (5) QTY rqr |
|------------------------|---------------------------------|---|--------------------------|-------------------|
| 10 | 5120-00-234-8910 | SCREWDRIVER, FLAT-TIP, 5/16 in. | EA | 1 |
| 11 | 5210-00-182-4797 | TAPE, MEASURING, 12 ft. | EA | 1 |
| 12 | 5120-00-240-5328 | WRENCH, ADJUSTABLE, 8" | EA | 1 |
| 13 | 5120-00-148-7918 | WRENCH SET, COMBINATION | EA | 1 |

APPENDIX D

ADDITIONAL AUTHORIZED LIST ITEMS

Section I. INTRODUCTION

D-1. SCOPE

This appendix lists additional items you are authorized for the support of the Finishing Section.

D-2. GENERAL

This list identifies items that do not have to accompany the Finishing Section and that do not have to be turned in with it. These items are all authorized to you by CTA, MTOE, TDA, or JTA.

D-3. EXPLANATION OF LISTING

National stock numbers, descriptions, and quantities are provided to help you identify and request the additional items you require to support this equipment. The items are listed in alphabetical sequence by item name under the type document (i.e., CTA, MTOE, TDA, or JTA) which authorizes the item(s) to you.

Section II. ADDITIONAL AUTHORIZATION LIST

| <u>NSN</u> | <u>DESCRIPTION</u> | <u>QTY</u> |
|------------------|---------------------|------------|
| 2330-01-167-7262 | Dolly Set, 7 Y2 ton | 1 EA |
| 6115-00-257-1602 | Power Plant, 60 KW | 1 EA |

APPENDIX E

EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST

Section I. INTRODUCTION

E-1. SCOPE

Section II of this appendix lists expendable supplies and materials you will need to operate and maintain the Finishing Section. These items are authorized to you by CTA 50-950, Expendable Items.

E-2. EXPLANATION OF COLUMNS IN SECTION II

a. Column 1, Item Number. This number is assigned to the entry and is referenced in the narrative instructions to identify the material.

b. Column 2, Level. This column identifies the lowest level of maintenance that requires the listed item.

C - Operator/Crew
O - Unit Maintenance

c. Column 3, National Stock Number. This is the National stock number assigned to the item; use it to request or requisition the item.

d. Column 4, Description. Indicates the Federal item name and, if required, a description to identify the item. The last line for each item indicates the Federal Supply Code for Manufacturer (FSCM) in parenthesis followed by the part number.

e. Column 5, Unit of Measure (U/M). Indicates the measure used in performing the actual maintenance function. This measure is expressed by a two character alphabetical abbreviation (e.g., ea, in, pr). If the unit of measure differs from the unit of issue, requisition the lowest unit of issue that will satisfy your requirements.

Section III. EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST

| (1) ITEM NUMBER | (2) CATEGORY | (3) NATIONAL STOCK NUMBER | (4) DESCRIPTION | (5) U/M |
|-----------------------|-----------------|---------------------------------|--|------------|
| 01 | 0 | 8040-00-865-8991 | ADHESIVE/SEALANT: Silicon, RTV, General Purpose, black 12 oz. cartridge | CA |
| 02 | 0 | 8040-00-225-4548 | ADHESIVE/SEALANT: Silicone, RTV, General Purpose, white 12 oz. cartridge | CA |
| 03 | C | 4130-00-860-0042 | COATER: Air Conditioner filter (80009) 006-0580-00 EA | |
| 04 | C | 9150-00-252-6173 | OIL LUBRICATING: General Purpose, light VV-L-820 | CN |
| 05 | C | 9310-00-555-4969 | PAPER: Book, white, 11x17 in., mach surf, vert. grain, Type II (81348) | BX |
| 06 | C | 8540-00-262-7179 | TOWEL, PAPER: Single Fold, 250/package | EA |

Change 1 E-3/(E-4 blank)

**APPENDIX F
UNIT AND DIRECT SUPPORT MAINTENANCE
(INCLUDING DEPOT MAINTENANCE)
REPAIR PARTS AND SPECIAL TOOLS LIST**

SECTION I. INTRODUCTION

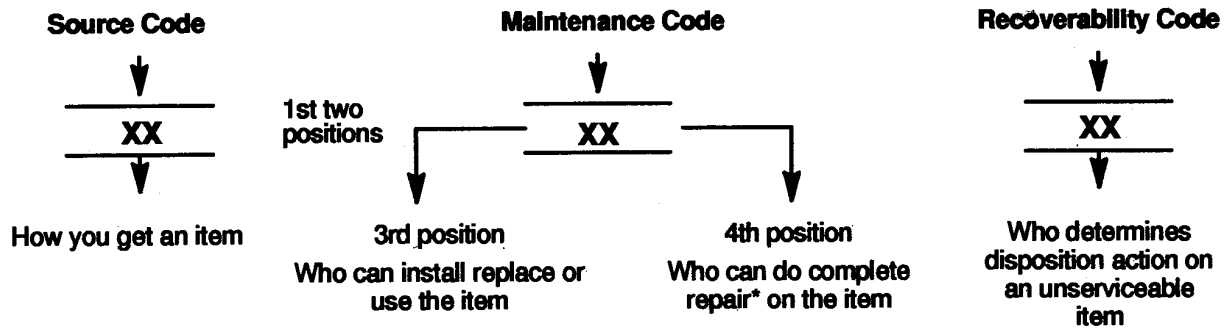
1. SCOPE. This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of Unit and Direct Support maintenance of the Finishing Section. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the source, maintenance and recoverability (SMR) codes.

2. GENERAL. In addition to this section, Introduction, this Repair Parts and Special Tools List is divided into the following sections:

- a. Section II. Repair Parts List.** A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed in item name sequence. Repair parts kits are listed separately in their own functional group within Section II. Repair parts for repairable special tools are also listed in this section. Items listed are shown on the associated illustration(s)/figure(s).
- b. Section III. Special Tools List .** A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.
- c. Section IV. Cross-references Indexes.** A list, in National Item Identification Number (NIIN) sequence, of all National stock numbered items appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross referenced to each illustration figure and item number appearance. The figure and item number index lists figure and item number in alphanumeric sequence and cross references NSN, CAGEC and part number.

3. EXPLANATION OF COLUMNS (SECTIONS II AND III).

- a. ITEM NO. (Column (1)).** Indicates the number used to identify items called out in the illustration.
- b. SMR Code (Column (2)).** The Source, Maintenance, and Recoverability (SMR) code is a 5-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instruction, as shown in the following breakout:



* Complete Rear: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

(1) **Source Code.** The source code tells you how you get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follow:

| Code | Explanation |
|--|---|
| PA PB PC** PD PE PF PG | <p>Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the 3rd position of the SMR code.</p> <p>**NOTE : Items coded PC are subject to deterioration.</p> |
| KD KF KB | |
| MO - (Made at org AVUM level) MF - (Made at DS/AVUM level) MH - (Made at GS level) ML - (Made at Specialized Repair Activity (SRA)) MD - (Made at Depot) | <p>Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION and USABLE ON CODE (UOC) column and listed in the Bulk Material group of the repair parts list in the RPSTL. If the item is authorized to you by the 3rd position code of the SMR code, but the source code indicates it is made at a higher level, order the item from the higher level of maintenance.</p> |
| AO - (Assembled by org AVUM Level) AF (Assembled by DS/AVIM Level) AH - (Assembled by GS Category) AL - (Assembled by SRA) AD - (Assembled by Depot) | <p>Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. If the 3rd position code of the SMR code, authorizes you to replace the item, but the source code indicates the items are assembled at a higher level, order the item from the higher level of maintenance.</p> |

| Code | Explanation |
|------|--|
| XA | -- Do not requisition an "XA"-coded item. Order its next higher assembly. (Also, refer to the NOTE below.) |
| XB | -- If an "XB" item is not available from salvage, order it using the CAGE Code and part number given. |
| XC | -- Installation drawing, diagram, instruction sheet, field service drawing, that is identified by Reciprocating Compressor manufacturer's part number. |
| XD | -- Item is not stocked. Order an "XD"-coded item through normal supply channels using the CAGE Code and part number given, if no NSN is available. |

NOTE

Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA" or those aircraft support items restricted by requirements of AR 750-1

(2) **Maintenance Code.** Maintenance codes tell you the level(s) of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows:

- (a) The maintenance code entered in the third position tells you the lowest maintenance level authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to the following levels of maintenance.

| Code | Application/Explanation |
|-------------|--------------------------------|
|-------------|--------------------------------|

C-- Crew or operator maintenance done within organizational or aviation unit maintenance.

O-- Organizational or aviation unit category can remove, replace, and use the item.

F-- Direct support or aviation intermediate level can remove, replace, and use the item.

H-- General support level can remove, replace, and use the item.

L-- Specialized repair activity can remove, replace, and use the item.

D-- Depot level can remove, replace, and use the item.

- (b) The maintenance code entered in the fourth position tells whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (i.e., perform all authorized repair functions.) NOTE: Some limited repair may be done on the item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes. This position will contain one of the following maintenance codes.

| Code | Application/Explanation |
|-------------|--------------------------------|
|-------------|--------------------------------|

O - Organizational or (aviation unit) is the lowest level that can do complete repair of the item.

F - Direct support or aviation intermediate is the lowest level that can do complete repair of the item.

H - General Support is the lowest level that can do complete repair of the item.

L - Specialized repair activity is the lowest level that can do complete repair of the item.

D - Depot is the lowest level that can do complete repair of the item.

Z - Nonreparable. No repair is authorized.

B - No repair is authorized. No parts or special tools are authorized for the maintenance of a "B" coded item. However, the item may be reconditioned by adjusting, lubricating, etc., at the user level.

(3) Recoverability. Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the SMR Code as follows:

**Recoverability
Codes**

Application/Explanation

Z - Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in 3rd position of SMR Code.

O - Repairable item. When not economically repairable, condemn and dispose of the item at organizational or aviation unit level.

F - Repairable item. When uneconomically repairable, condemn and dispose of the item at the direct support or aviation immediate level.

H - Repairable item. When uneconomically repairable, condemn and dispose of the item at the general support level.

D - Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item not authorized below depot level.

L - Repairable item. Condemnation and disposal not authorized below specialized repair activity (SRA).

A - Item requires special handling or condemnation procedures because of specific reasons (e.g., precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. CAGEC (Column (3)). The Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

d. PART NUMBER (Column (4)). Indicates the primary number used by the manufacturer, (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When you use an NSN to requisition an item, the item you receive may have a different part number from the part ordered.

e. DESCRIPTION AND USABLE ON CODE (UOC) (Column (5)). This column includes the following information:

- (1) The Federal item name and, when required, a minimum description to identify the item.
- (2) The physical security classification of the item is indicated by the parenthetical entry, e.g., Phy Sec C1 (C)-Confidential, Phy Sec C1 (S)-Secret, Phy Sec C1 (T)-Top-Secret.
- (3) Items that are included in kits and sets are listed below the name of the kit or set.
- (4) Spare/repair parts that make up an assembled item are listed immediately following the assembled item line entry.
- (5) Part numbers of bulk materials are referenced in this column in the line entry for the item to be manufactured/fabricated.
- (6) When the item is not used with all serial numbers of the same model, the effective serial numbers are shown on the last line(s) of the description (before UOC).
- (7) The usable on code, when applicable (reference paragraph 5, Special Information).
- (8) In the Special Tools List Section, the basis of issue (BOI) appears as the last line(s) in the entry for each special tool, special TMDE, and other special support equipment. When density of equipment supported exceeds density spread indicated in the basis of issue, the total authorization is increased proportionately.
- (9) The statement "END OF FIGURE" appears just below the last item description in Column (5) for a given figure in both Section II and Section III.

f. QTY (Column (6)). The QTY (quantity per figure) column indicates the quantity of the item used in the breakout shown on the illustration/figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column instead of a quantity indicates that the quantity is variable and may vary from application to application.

4. EXPLANATION OF COLUMNS (SECTION IV).

a. NATIONAL STOCK NUMBER (NSN) INDEX.

(1) **STOCK NUMBER Column.** This column lists the NSN in national item identification number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN, i.e.

$$\begin{array}{r} \text{NSN} \\ \hline 5305-01-574-1467 \\ \text{NIIN} \end{array}$$

When using this column to locate an item, ignore the first four digits of the NSN. Use the complete NSN (13 digits) when requisitioning items by stock number.

(2) **FIG. Column.** This column lists the number of the figure where the item is identified/located. The figures are in numerical order in Section II and Section III.

(3) **ITEM Column.** The item number identifies the item associated with the figure listed in the adjacent FIG. column. This item is also identified by the NSN listed on the same line.

b. PART NUMBER INDEX. Part numbers in this index are listed in ascending alphanumeric sequence (i. e., vertical arrangement of letter and number combinations which place the first letter or digit of each group in order A through Z, followed by the numbers 0 through 9, and each following letter or digit in like order).

(1) **CAGEC Column.** The Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency etc., that supplies the item.

(2) **PART NUMBER Column.** Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

(3) **STOCK NUMBER Column.** This column lists the NSN for the associated part number and manufacturer identified in the PART NUMBER and CAGEC columns to the left.

(4) **FIG. Column.** This column lists the number of the figure where the item is identified/located in Section II and Section III.

(5) **ITEM Column.** The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

c. FIGURE AND ITEM NUMBER INDEX.

(1) **FIG. Column.** This column lists the number of the figure where the item is identified/located in Section II and Section III.

(2) **ITEM Column.** The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

(3) **STOCK NUMBER Column.** This column lists the NSN for the item.

(4) **CAGEC Column.** The Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency etc., that supplies the item.

(5) **PART NUMBER Column.** Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

5. SPECIAL INFORMATION.

a. **USABLE ON CODE.** The usable on code appears in the lower left corner of the Description column heading. Usable on codes are shown as "UOC:.." in the Description Column (justified left) on the last line of the applicable item description/nomenclature. Uncoded items are applicable to all models.

b. **ASSOCIATED PUBLICATIONS.** Refer to Appendix A, References.

6. HOW TO LOCATE REPAIR PARTS.

a. When National Stock Numbers or Part Numbers are NOT Known.

(1) **First.** Using the table of contents, determine the assembly or subassembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and listings are divided into the same groups.

(2) **Second.** Find the figure covering the assembly group or subassembly group to which the item belongs.

(3) **Third.** Identify the item on the figure and note the item number.

(4) **Fourth.** Refer the Repair Parts List for the figure to find the part number for the item number noted on the figure.

(5) **Fifth.** Refer to the Part Number Index to find the NSN, if assigned.

b. When National Stock Number or Part Number is Known.

- (1) **First.** Using the of National Stock Number and Part Number Indexes find the pertinent National Stock Number or Part Number. The NSN index is in National Item Identification Number (NIIN) sequence (see paragraph c-4a.(1)). The part numbers in the Part Number index are listed in ascending alphanumeric sequence (see paragraph c-4.b). Both indexes cross-reference you to the illustration/figure and item number of the item you are looking for.
- (2) **Second.** After finding the figure and item number, verify that the item is the one you are looking for, then locate the item number in the repair parts list for the figure.

7. ABBREVIATIONS. Abbreviations used in this manual are listed in MIL-STD-12.

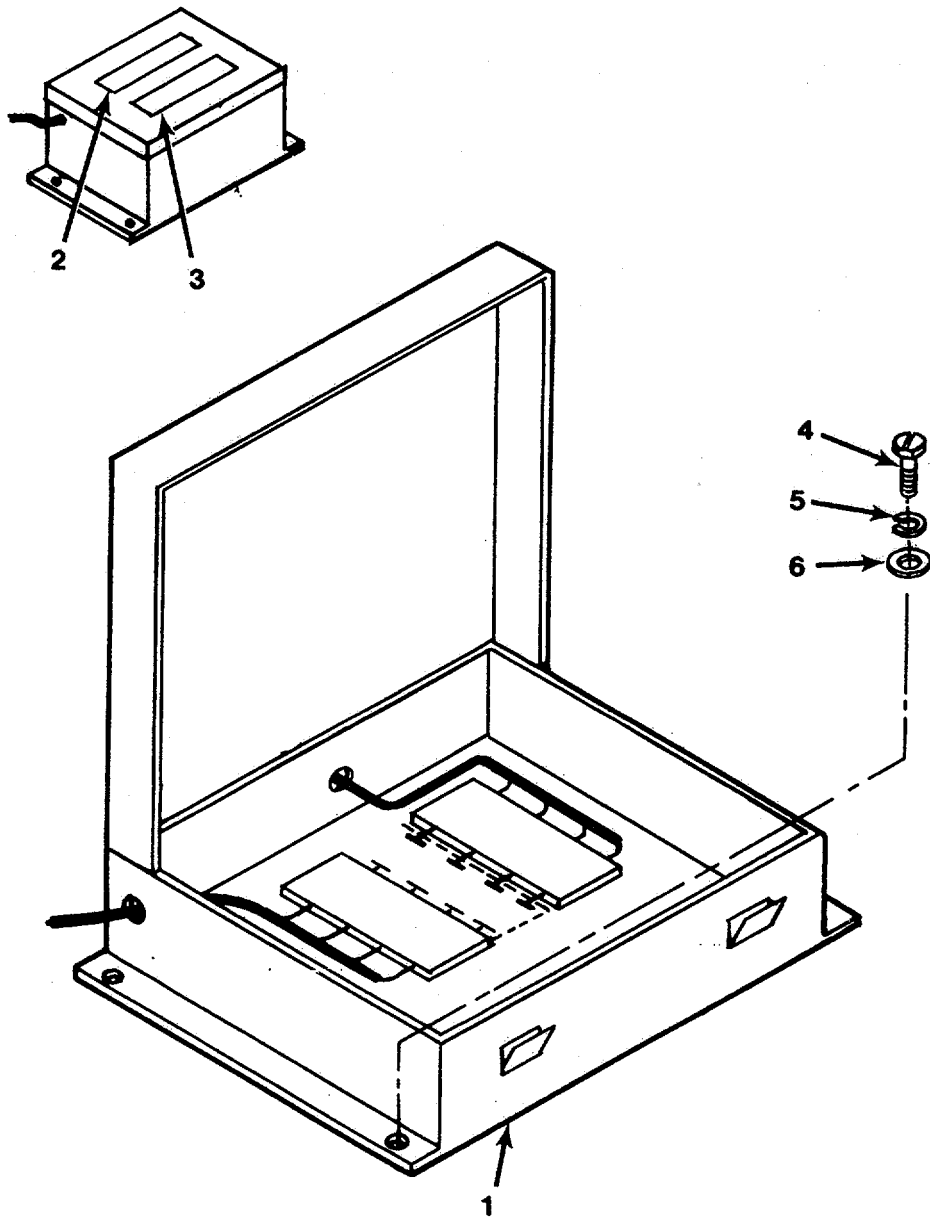


Figure 1. Power Filter Assembly

Change 1 F-10

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) FSCM | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|-------------|-----------------------|---|------------|
|-------------------|--------------------|-------------|-----------------------|---|------------|

GROUP 01 ISLATROL CONTROL BOX

FIG. 1 POWER FILTER ASSEMBLY

| | | | | | |
|---|-------|-------|-------------|-------------------------------------|---|
| 1 | XDOZZ | 81337 | 5-13-4992 | FILTER, PWR LINE ASY | 1 |
| 2 | XDOZZ | 81337 | 5-13-5020 | .DECAL..... | 1 |
| 3 | XDOZZ | 81337 | 5-13-4720 | .STENCIL, .25, BLACK TURN OFF | 1 |
| | | | | BREAKER BEFORE SERVICE..... | |
| 4 | XDOZZ | 96906 | MS90725-6 | .SCREW, CAP, HEXAGON H..... | 4 |
| 5 | XDOZZ | 96906 | MS35338-44 | .WASHER, LOCK..... | 4 |
| 6 | XDOZZ | 96906 | MS15795-410 | .WASHER, FLAI | 4 |

END OF FIGURE

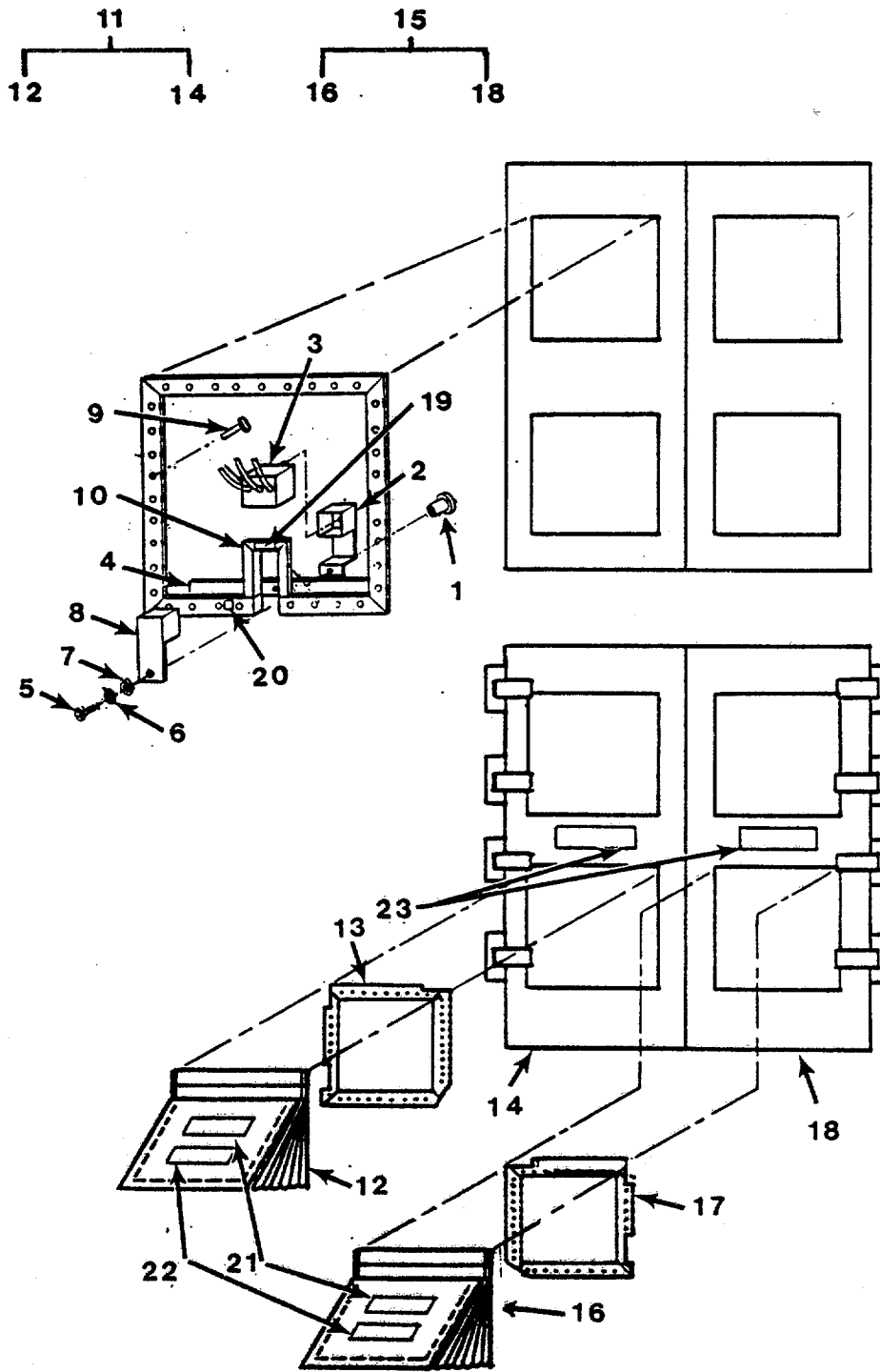


Figure 2. Cargo Door Vent Installation

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|--|--------------------|--------------|-------------------------|--|------------|
| GROUP 02 CARGO DOOR VENT ASSEMBLY | | | | | |
| FIG. 2 CARGO DOOR VENT INSTALLATION | | | | | |
| | XDOOO | 81337 | 5-13-4968 | SW,VENT DR INSTL | 1 |
| 1 | XDOZZ | 96906 | MS27130-A20 | .NUT,BLIND RIVET | 4 |
| 2 | XDOZZ | 81337 | 5-13-5007 | .SPT,SW | 4 |
| 3 | PAOZZ | 09353 | 8168 | .SWITCH,PUSH | 4 |
| 4 | XDOZZ | 81337 | 5-13-5008 | .BRACKET,SW | 4 |
| 5 | XDOZZ | 96906 | MS35191-274 | .SCREW,MACHINE | 4 |
| 6 | XDOZZ | 96906 | MS35338-43 | .WASHER,LOCK | 4 |
| 7 | XDOZZ | 96906 | MS15795-408 | .WASHER,FLAT | 4 |
| 8 | XDOZZ | 81337 | 5-13-5006 | .CVR,PUSH SW | 4 |
| 9 | XDOZZ | 81349 | MIL-R-24243/6-A4 04H | .RIVET | 32 |
| 10 | XDOZZ | 81337 | 5-13-4996 | .FRAME,FILTER | 4 |
| 11 | XCOOO | 81337 | 5-13-4998 | .VENT INSTL,LEFT | 1 |
| 12 | XDOZZ | 81337 | 5-13-5015 | ..DOOR VENT,LEFT..... | 1 |
| 13 | XDOZZ | 81337 | 5-4-3042 | ..VENTILATOR,AIR CIRC SEE TM10-..... 5411-200-24P FOR PARTS BREAKDOWN..... | 1 |
| 14 | XDOZZ | 81337 | 5-13-4995 | ..FRAME,LEFT VENT | 1 |
| 15 | XCOOO | 81337 | 5-13-4999 | .VENT INSTL,RIGHT | 1 |
| 16 | XDOZZ | 81337 | 5-13-5014 | ..DR,RT,VENT | 1 |
| 17 | XDOZZ | 81337 | 5-4-3042 | ..VENTILATOR,AIR CIRC SEE TM10-..... 5411-200-24P FOR PARTS BREAKDOWN..... | 1 |
| 18 | XDOZZ | 81337 | 5-13-4994 | ..FRAME,RIGHT VENT | 1 |
| 19 | XDOZZ | 81337 | 5-13-4720 | ..STENCIL,.25,BLACK 24VAC | 1 |
| 20 | XDOZZ | 81337 | 5-13-4720 | ..STENCIL,.25,BLACK | 4 |
| 21 | XDOZZ | 81337 | 5-13-4719 | .STENCIL,1.0,BLACK CAUTION | 4 |
| 22 | XDOZZ | 81337 | 5-13-4822 | .STENCIL,.5,BLACK DOOR UNDER..... SPRING TENSION | 4 |
| 23 | XDOZZ | 81337 | 5-13-4819 | .STENCIL,1.0,BLACK BEFORE..... OPERATING A/C VENT DOORS MUST BE OPEN | 2 |

END OF FIGURE

Change 1 F-13

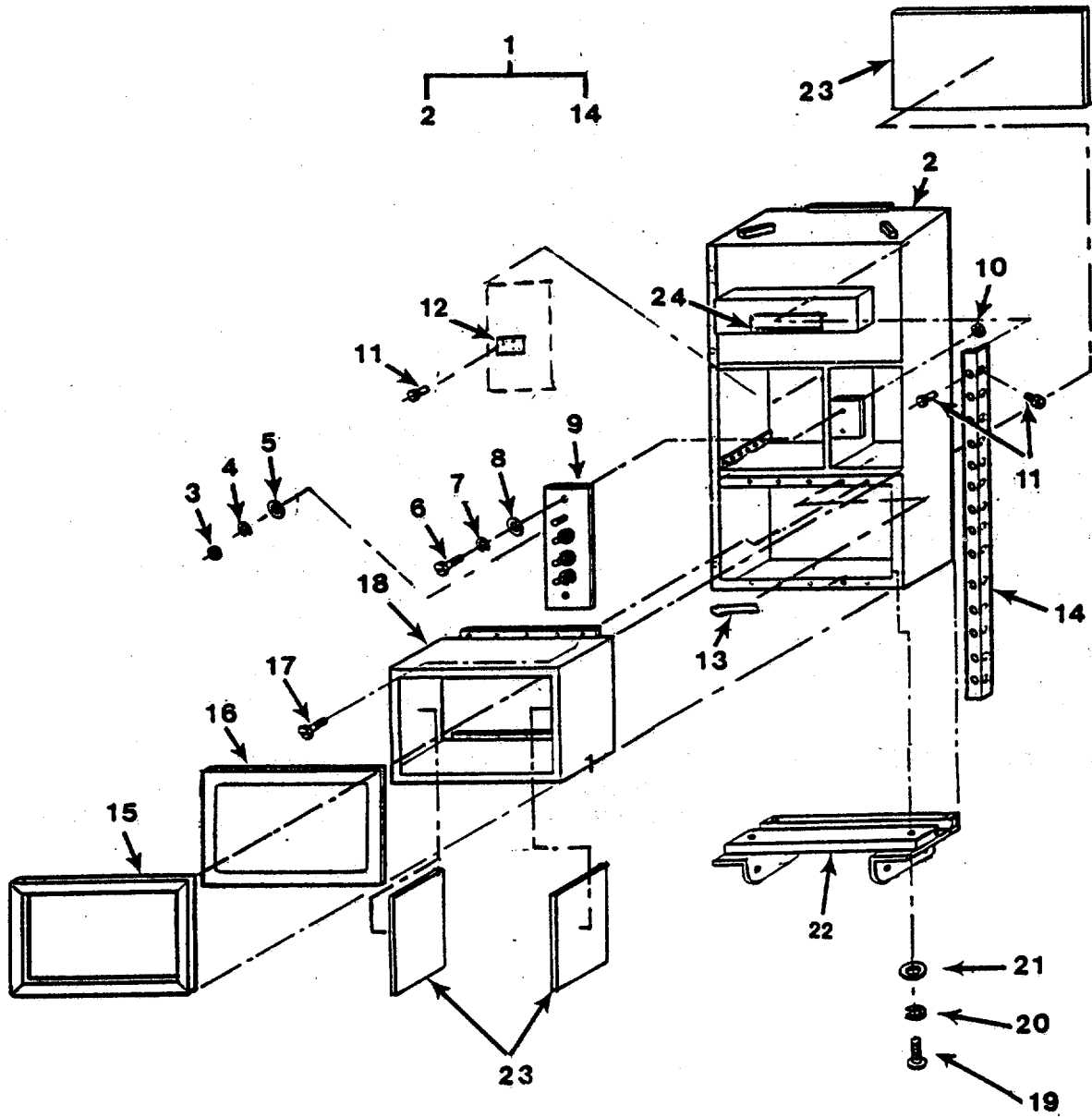


Figure 3. 24K Air Conditioner Installation

Change 1 F-14

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|--|--------------------|--------------|-----------------------|--|------------|
| GROUP 03 AIR CONDITIONER ASSEMBLY | | | | | |
| FIG. 3 24K AIR CONDITIONER INSTALLATION | | | | | |
| 1 | PBOFF | 81337 | 5-13-4900 | .AIR CONDITIONER | 1 |
| 2 | XAOFF | 81337 | 5-13-4733 | ..24K HEATPUMP SEE TM5-4120-395-..... | 1 |
| | | | | 14&P FOR COMPLETE PARTS BREAKOUT | |
| 3 | XDOZZ | 96906 | MS35650-5 | ..NUT,PLAIN,HEX | 4 |
| 4 | XDOZZ | 96906 | MS35338-140 | ..WASHER,LOCK | 4 |
| 5 | XDOZZ | 96906 | MS15795-812 | ..WASHER,FLAT | 4 |
| 6 | XDOZZ | 96906 | MS51957-30 | ..SCREW,MACHINE | 2 |
| 7 | XDOZZ | 96906 | MS35338-136 | ..WASHER,LOCK | 2 |
| 8 | XDOZZ | 96906 | MS15795-805 | ..WASHER,FLAT | 2 |
| 9 | XDOZZ | 81337 | 5-13-5031-2 | ..TERMINAL BD | 1 |
| 10 | XDOZZ | 96906 | MS35649-264 | ..NUT,PLAIN,HEXAGON | 2 |
| 11 | XDOZZ | 81349 | MIL-R-24243/3B40 4 | ..RIVET,BLIND..... | 100 |
| 12 | XDOZZ | 81337 | 5-13-4713-2 | ..PLATE,CVR | 1 |
| 13 | PAOZZ | 96906 | MS3368-1-OB | ..STRAP,TIEDOWN,ELECT | 25 |
| 14 | XDOZZ | 81337 | 5-13-4900-17 | ..BRACE,ANGLE | 4 |
| 15 | XDOZZ | 81337 | 5-13-4927-1 | ..FRAME,COND,AIR OUT | 1 |
| 16 | XDOZZ | 39428 | 8614K23 | ..GASKET | V |
| 17 | XDOZZ | 96906 | MS24630-48 | ..SCREW,TAP | 6 |
| 18 | XDOZZ | 81337 | 5-13-4939 | ..ASSY AIR OUTLET HSG | 1 |
| 19 | XDOZZ | 96906 | MS90728-8 | ..SCREW,CAP,HEXAGON H .25 X 20 X..... 1.00..... | 6 |
| 20 | XDOZZ | 96906 | MS35338-44 | ..WASHER,LOCK | 6 |
| 21 | XDOZZ | 96906 | MS15795-410 | ..WASHER,FLAT | 6 |
| 22 | XDOZZ | 81337 | 5-13-4932 | ..BRACKET,SPT | 1 |
| 23 | XDOZZ | 39428 | 9385K21 | ..INSUL,FOAM,POLY 20 X 20 INCHES..... | 3 |
| 24 | XDOZZ | 81337 | 5-13-4822 | ..STENCIL,1.0,BLK OPEN DOOR FOR..... FRESH AIR INTAKE | 1 |

END OF FIGURE

Change 1 F-15

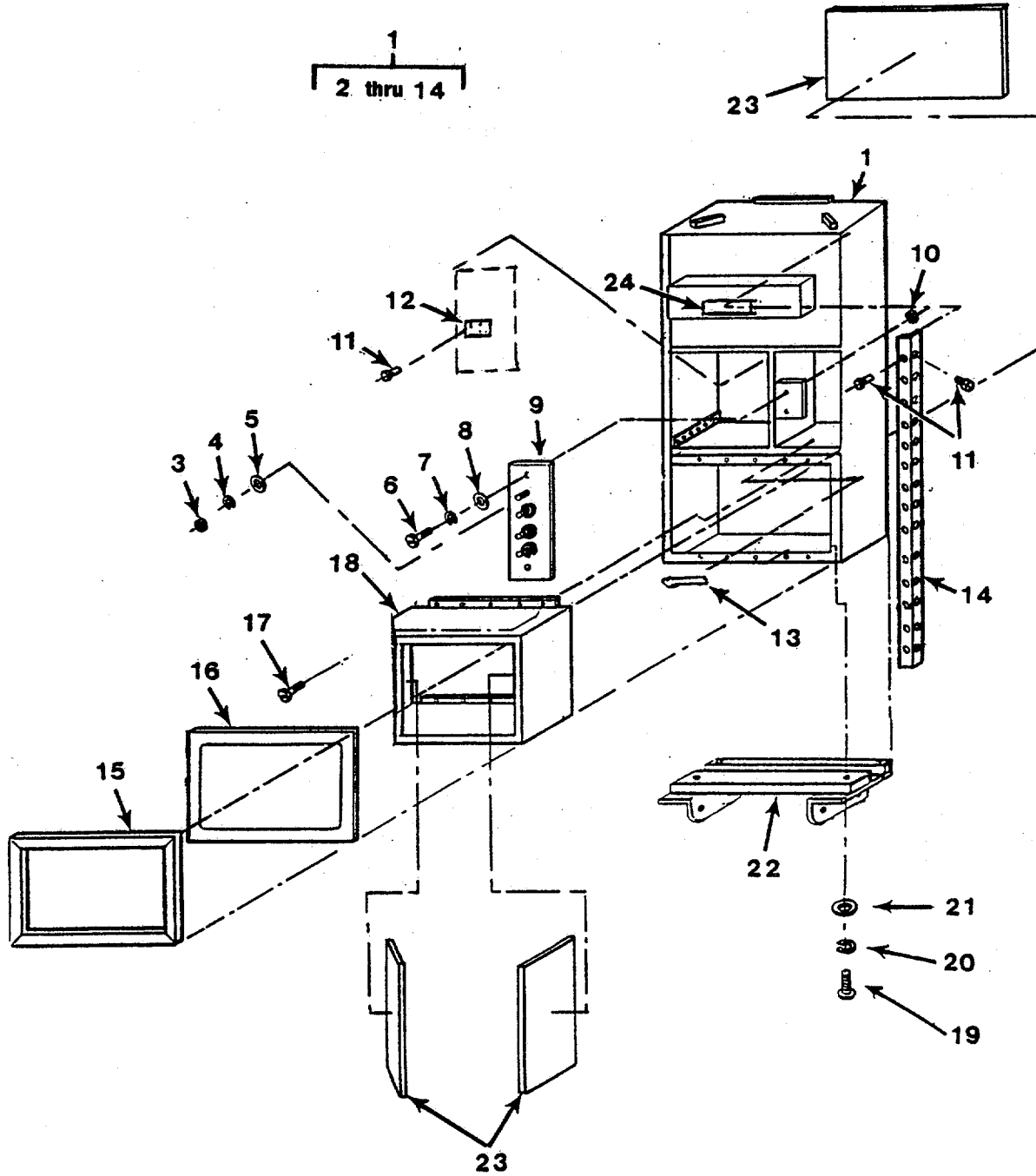


Figure 4 . 36K Air Conditioner Installation

Change 1 F-16

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|--|--------------------|--------------|-----------------------|---|------------|
| GROUP 03 AIR CONDITIONER ASSEMBLY | | | | | |
| FIG. 4 36K AIR CONDITIONER INSTALLATION | | | | | |
| 1 | PBOFF | 81337 | 5-13-4904 | .AIR CONDITIONER | 1 |
| 2 | XAOFF | 81337 | 5-13-4763 | ..36K HEAT PUMP SEE TM5-4120-396-..... 14&P FOR COMPLETE PARTS BREAKOUT..... | 1 |
| 3 | XDOZZ | 96906 | MS35650-5 | ..NUT,PLAIN,HEX | 4 |
| 4 | XDOZZ | 96906 | MS35338-140 | ..WASHER,LOCK | 4 |
| 5 | XDOZZ | 96906 | MS15795-812 | ..WASHER,FLAT | 4 |
| 6 | XDOZH | 96906 | MS51957-30 | ..SCREW,MACHINE | 2 |
| 7 | XDOZZ | 96906 | MS35338-136 | ..WASHER,LOCK | 2 |
| 8 | XDOZZ | 96906 | MS15795-805 | ..WASHER,FLAT | 2 |
| 9 | XDOZZ | 81337 | 5-13-5031-1 | ..TERMINAL BD | 1 |
| 10 | XDOZZ | 96906 | MS35649-264 | ..NUT,PLAIN,HEXAGON | 2 |
| 11 | XDOZZ | 81349 | MIL-R-24243/3B40 4 | ..RIVET,BLIND | 100 |
| 12 | XDOZZ | 81337 | 5-13-4713-1 | ..PLATE,CVR | 1 |
| 13 | PAOZZ | 96906 | MS3368-1-OB | ..STRAP,TIEDOWN,ELECT | 25 |
| 14 | XDOZZ | 81337 | 5-13-4904-17 | ..BRACE,ANGLE | 4 |
| 15 | XDOZZ | 81337 | 5-13-4927-2 | ..FRAME,AIR OUTLET | 1 |
| 16 | XDOZZ | 39428 | 8614K23 | ..GASKET,1/2 X 1 1/2..... V | |
| 17 | XDOZZ | 96906 | MS24630-48 | ..SCREW,TAP | 6 |
| 18 | XCOZZ | 81337 | 5-13-4931 | ..ASSY AIR OUTLET HSG | 1 |
| 19 | XDOZZ | 96906 | MS90728-8 | ..SCREW,CAP,HEXAGON H | 6 |
| 20 | XDOZZ | 96906 | MS35338-44 | ..WASHER,LOCK | 6 |
| 21 | XDOZZ | 96906 | MS15795-410 | ..WASHER,FLAT | 6 |
| 22 | XDOZZ | 81337 | 5-13-4936 | ..BRACKET,SPT | 1 |
| 23 | XDOZZ | 39428 | 9385K21 | ..INSUL,FOAM,POLY 20 X 20 INCHES... .. | 3 |
| 24 | XDOZZ | 81337 | 5-13-4822 | ..STENCIL,1.0,BLK OPEN DOOR FOR..... FRESH AIR INTAKE..... | 1 |

END OF FIGURE

Change 1 F-17

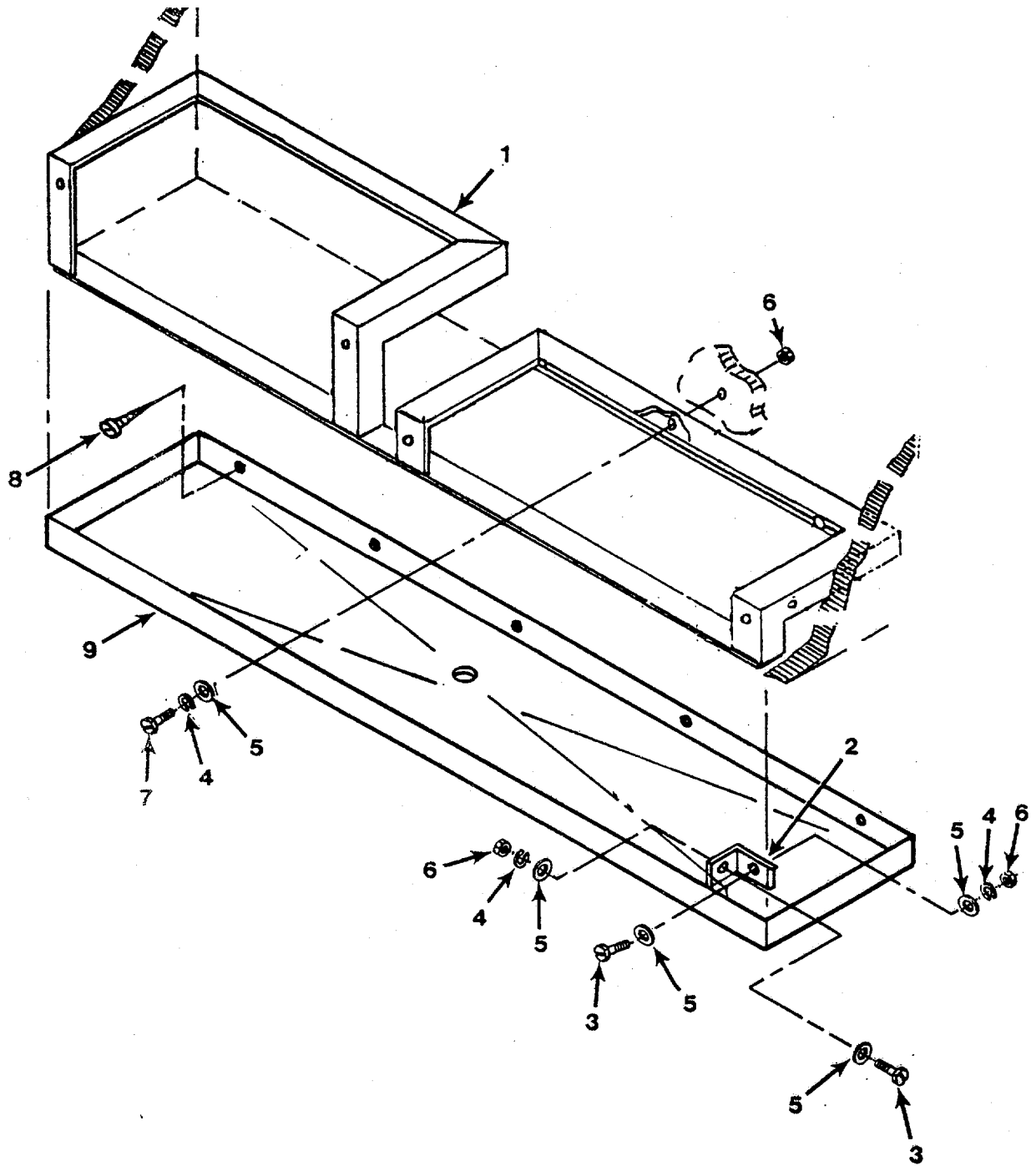


Figure 5. Air Conditioner Mounting Bracket Assembly

Change 1 F-18

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
|-------------------|--------------------|--------------|-----------------------|---|------------|

GROUP 03 AIR CONDITIONER ASSEMBLY

FIG. 5 AIR CONDITIONER MOUNTING
BRACKET ASSEMBLY

| | | | | | |
|---|-------|-------|--------------|------------------------------------|----|
| 1 | XDOZZ | 81337 | 5-13-4922 | BRACKET,MTG,AC ASSY | 1 |
| 2 | XDOZZ | 81337 | 5-13-4940 | .CLIP,ANGLE,AC | 2 |
| 3 | XDOZZ | 96906 | MS51849-95 | .SCREW,MACHINE | 4 |
| 4 | XDOZZ | 96906 | MS35338-44 | .WASHER,LOCK | 14 |
| 5 | XDOZZ | 96906 | MS15795-410 | .WASHER,FLAT | 14 |
| 6 | XDOZZ | 96906 | MS35649-2252 | .NUT,PLAIN,HEXAGON | 14 |
| 7 | XDOZZ | 96906 | MS90725-13 | .SCREW,CAP | 10 |
| 8 | XDOZZ | 96906 | MS51861-37 | .SCREW,TAPPING,THREA #8 X .75..... | 10 |
| 9 | XDOZZ | 81337 | 5-13-5011 | .PAN,DRIP, AC | 1 |

END OF FIGURE

Change 1 F-19

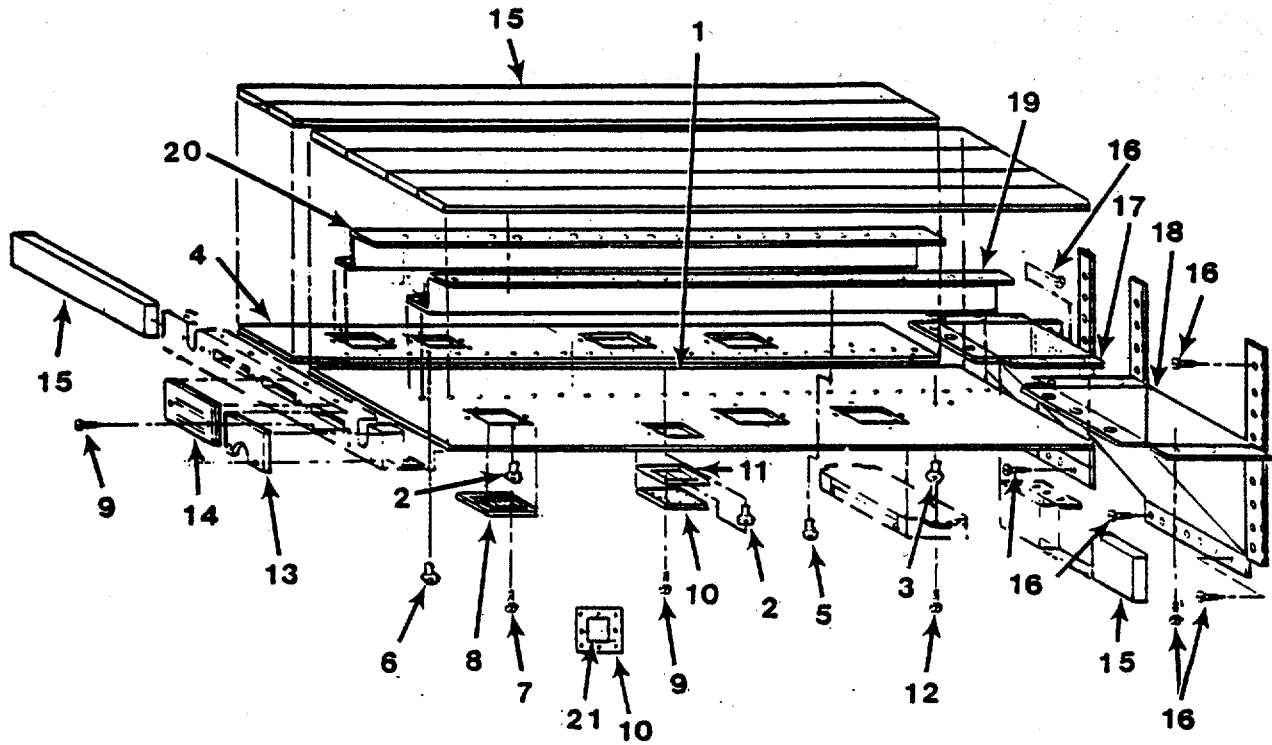


Figure. 6 Duct Installation

Change 1 F-20

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|--------------------|--------------|-----------------------|---|------------|
| GROUP 04 DUCTING ASSEMBLY, AIR CONDITIONER | | | | | |
| FIG. 6 DUCT INSTALLATION | | | | | |
| | XCDDD | 81337 | 5-13-4961 | ..DUCT INSLT | 1 |
| 1 | XDDZZ | 81337 | 5-13-4952 | ..PANEL,DUCT,LARGE | 1 |
| 2 | XDOZZ | 96906 | MS27130-A19 | ..NUT,BLIND RIVET 190-32..... | 20 |
| 3 | XDOZZ | 96906 | MS27130-A31 | ..NUT,BLIND,RIVET 25-20..... | 4 |
| 4 | XDDZZ | 81337 | 5-13-4953 | ..PANEL,DUCT,SMALL | 1 |
| 5 | XDOZZ | 96906 | MS27130-A31 | ..NUT,BLIND,RIVET 25-20..... | 4 |
| 6 | XDOZZ | 96906 | MS27130-A19 | ..NUT,BLIND RIVET 190-32..... | 20 |
| 7 | XDOZZ | 96906 | MS35191-274 | ..SCREW,MACHINE | 24 |
| 8 | XDOZZ | 9R714 | C808-4 | ..REGISTER,FOUR WAY 8.00 X 8.00 | 6 |
| 9 | XDOZZ | 96906 | MS35207-264 | ..SCREW,MACHINE | 22 |
| 10 | XDOZZ | 81337 | 5-13-4959 | ..PLATE,ACC,SOLAR BAR | 2 |
| 11 | XDOZZ | 81337 | 5-13-4961-21 | ..GASKET,RUBBER | 1 |
| 12 | XDOZZ | 96906 | MS90725-6 | ..SCREW,CAP,HEXAGON H 25 X 20 X..... | 8 |
| | | | | ..75 | |
| 13 | XDDZZ | 81337 | 5-13-4956 | ..CVR,SOLAR BAR | 2 |
| 14 | XDOZZ | 9R714 | C93-15 | ..DEFUSER,LEN AL | 3 |
| 15 | XDDZZ | 39428 | 9350K1 | ..INSTL,FIBER GL INSULATION 1 IN..... | V |
| | | | | THK | |
| 16 | XDOZZ | 81337 | 5-13-4961-22 | ..SCREW,SELF-TAPPING | 8 |
| 17 | XDDZZ | 81337 | 5-13-4954 | ..TRANSITION,SMALL | 1 |
| 18 | XDDZZ | 81337 | 5-13-4955 | ..TRANSITION,LARGE | 1 |
| 19 | XDDZZ | 81337 | 5-13-4957-1 | ..Z BRACKET | 1 |
| 20 | XDDZZ | 81337 | 5-13-4957-2 | ..Z BRACKET | 1 |
| 21 | XDOZZ | 81337 | 5-13-4822 | ..STENCIL,.25,BLACK ACCESS TO..... | 1 |
| | | | | SOLAR BAR PUSH ROD ASSEMBLY | |

END OF FIGURE

Change 1 F-21

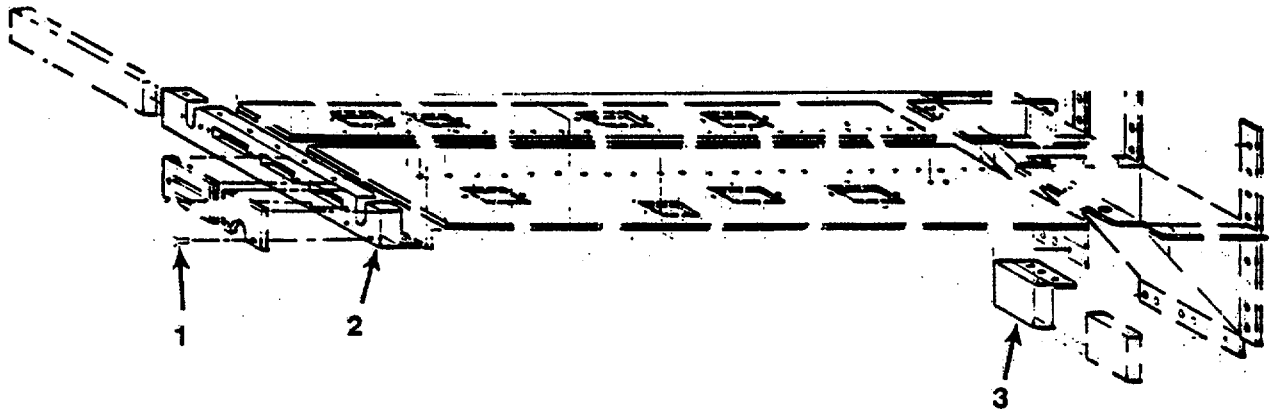


Figure. 7 Ductwork Cap Installation

Change 1 F-22

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
|-------------------|--------------------|--------------|-----------------------|---|------------|

GROUP 04 DUCTING ASSEMBLY, AIR CONDITIONER

FIG. 7 DUCTWORK CAP INSTALLATION

| | | | | | |
|---|-------|-------|--------------|---|---|
| 1 | XDDZZ | 81349 | M24243/3B404 | ..RIVET,BLIND .18, .12-.25 GRIP AL. 284 | |
| 2 | XDDZZ | 81337 | 5-13-4958 | ..CAP,DUCTWORK | 1 |
| 3 | XDDZZ | 81337 | 5-13-4960 | ..CAP,DUCTWORK | 1 |

END OF FIGURE

Change 1 F-23

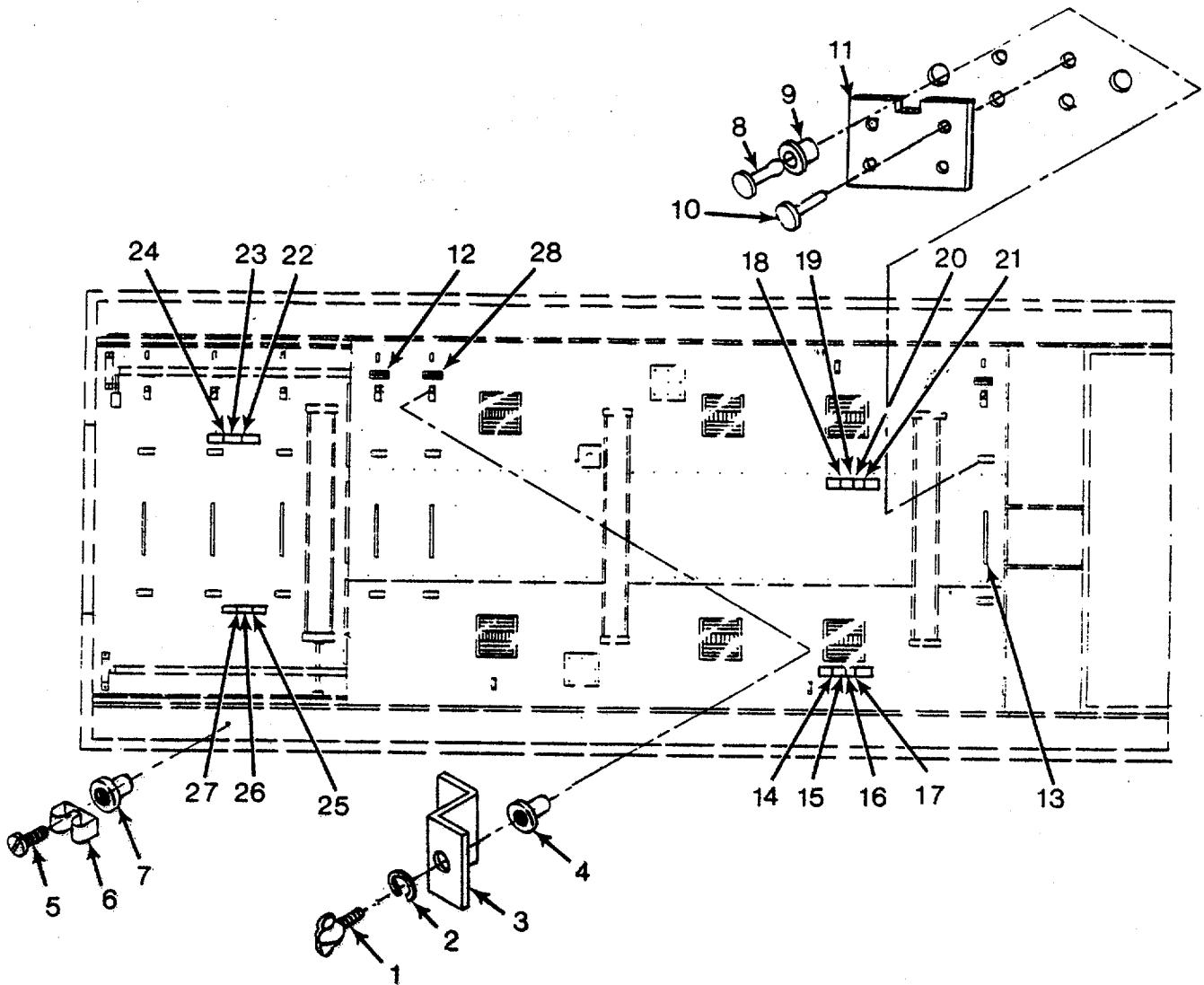


Figure. 8 Light Storage Assembly

Change 1 F-24

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|--|--------------------|--------------|-----------------------|---|------------|
| GROUP 04 DUCTING ASSEMBLY, AIR CONDITIONER | | | | | |
| FIG. 8 LIGHT STORAGE ASSEMBLY | | | | | |
| | XCOOO | 81337 | 5-13-4924 | LIGHT STOR ASSY | 1 |
| 1 | XDOZZ | 96906 | MS21316-36 | .THUMBSCREW | 6 |
| 2 | XDOZZ | 96906 | MS35335-33 | .HASHER,LOCK 25 EXT TOOTH | 6 |
| 3 | XDOZZ | 81337 | 5-13-4923 | .CLIP,LT TRANSPORT | 6 |
| 4 | XDOZZ | 96906 | MS27130-A31 | .NUT,BLIND,RIVET 25-20 ALL | 6 |
| 5 | XDOZZ | 96906 | MS35206-245 | .SCREW,MACHINE 164-3 X .50..... | 6 |
| 6 | XDOZZ | 81337 | 5-4-5106 | .CLIP,SPRING TENSION | 6 |
| 7 | XDOZZ | 96906 | MS27130-A13 | .NUT,PLAIN,BLIND RIV 164-32 AL..... | 6 |
| 8 | XDOZZ | 81337 | 5-4-5107 | .STUD,DBL HEAD | 24 |
| 9 | XDOZZ | 96906 | MS27130-A37 | .NUT,BLIND,RIVET 25-28 AL | 24 |
| 10 | XDOZZ | 96906 | MS20601-AD4W4 | .RIVET,BLIND 100 DEG, FLUSH HEAD,..... | 48 |
| | | | | .125 AL | |
| 11 | XDOZZ | 81337 | 5-4-3019 | .BRACKET,MOUNTING | 12 |
| 12 | XDOZZ | 97403 | 13226E4557 | .DECAL | 6 |
| 13 | XDOZZ | 81337 | 5-13-4822 | .STENCIL,.25,BLACK CEILING LIGHT..... | 6 |
| | | | | STORAGE | |
| 14 | XDOZZ | 81337 | 5-13-4718 | .STENCIL,1.5DOT,GRN | 1 |
| 15 | XDOZZ | 81337 | 5-13-4819 | .STENCIL,1.0,BLACK | 1 |
| 16 | XDOZZ | 81337 | 5-13-4822 | .STENCIL,.5,GREEN RACK PAPER..... | 1 |
| | | | | STORAGE FRONT | |
| 17 | XDOZZ | 81337 | 5-13-4824 | .STENCIL,ARROW,GREEN | 1 |
| 18 | XDOZZ | 81337 | 5-13-4718 | .STENCIL,1.5DOT,YLW | 1 |
| 19 | XDOZZ | 81337 | 5-13-4822 | .STENCIL,.5,YLW CABINET OFFICE-IN-..... | 1 |
| | | | | .ONE FRONT | |
| 20 | XDOZZ | 81337 | 5-13-4719 | .STENCIL, 1.0,BLACK | 1 |
| 21 | XDOZZ | 81337 | 5-13-4824 | .STENCIL,ARROW,YLW | 1 |
| 22 | XDOZZ | 81337 | 5-13-4718 | .STENCIL,1.5DOT,BLUE | 1 |
| 23 | XDOZZ | 81337 | 5-13-4822 | .STENCIL,.5,BLUE RACK PAPER..... | 1 |
| | | | | STORAGE FRONT | |
| 24 | XDOZZ | 81337 | 5-13-4724 | .STENCIL,ARROW,BLUE | 1 |
| 25 | XDOZZ | 81337 | 5-13-4818 | .STENCIL,.1.5DOT,RED | 1 |
| 26 | XDOZZ | 81337 | 5-13-4722 | .STENCIL,.5DOT,RED RACK PAPER..... | 1 |
| | | | | STORAGE FRONT | |
| 27 | XDOZZ | 81337 | 5-13-4824 | .STENCIL,ARROW,RED | 1 |
| 28 | XDOZZ | 81337 | 5-13-4720 | .STENCIL,.25,BLACK SECURE VELCRO..... | 4 |
| | | | | STRIP ON SIDE PANEL WHEN CLOSING SHELTER | |

END OF FIGURE

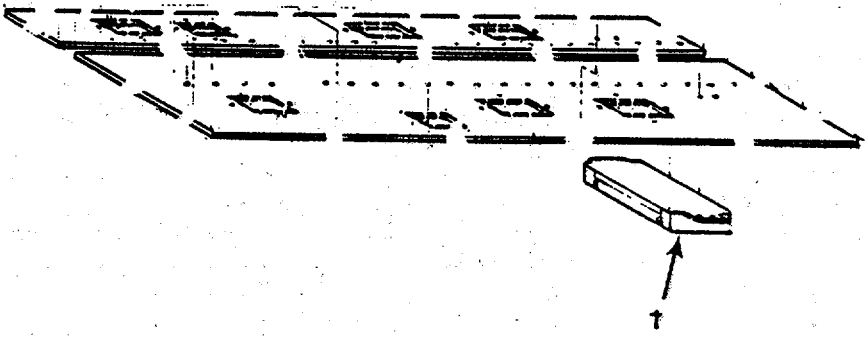


Figure 9. Fixed Roof Light Assembly

Change 1 F-26

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
|-------------------|--------------------|--------------|-----------------------|---|------------|

GROUP 04 DUCTING ASSEMBLY, AIR CONDITIONER

FIG. 9 FIXED ROOF LIGHT ASSEMBLY

| | | | | | |
|---|-------|-------|----------|-----------------------------|---|
| 1 | XDOZZ | 81337 | 5-4-2954 | ..LT ASSY, FIXED ROOF | 2 |
|---|-------|-------|----------|-----------------------------|---|

END OF FIGURE

Change 1 F-27

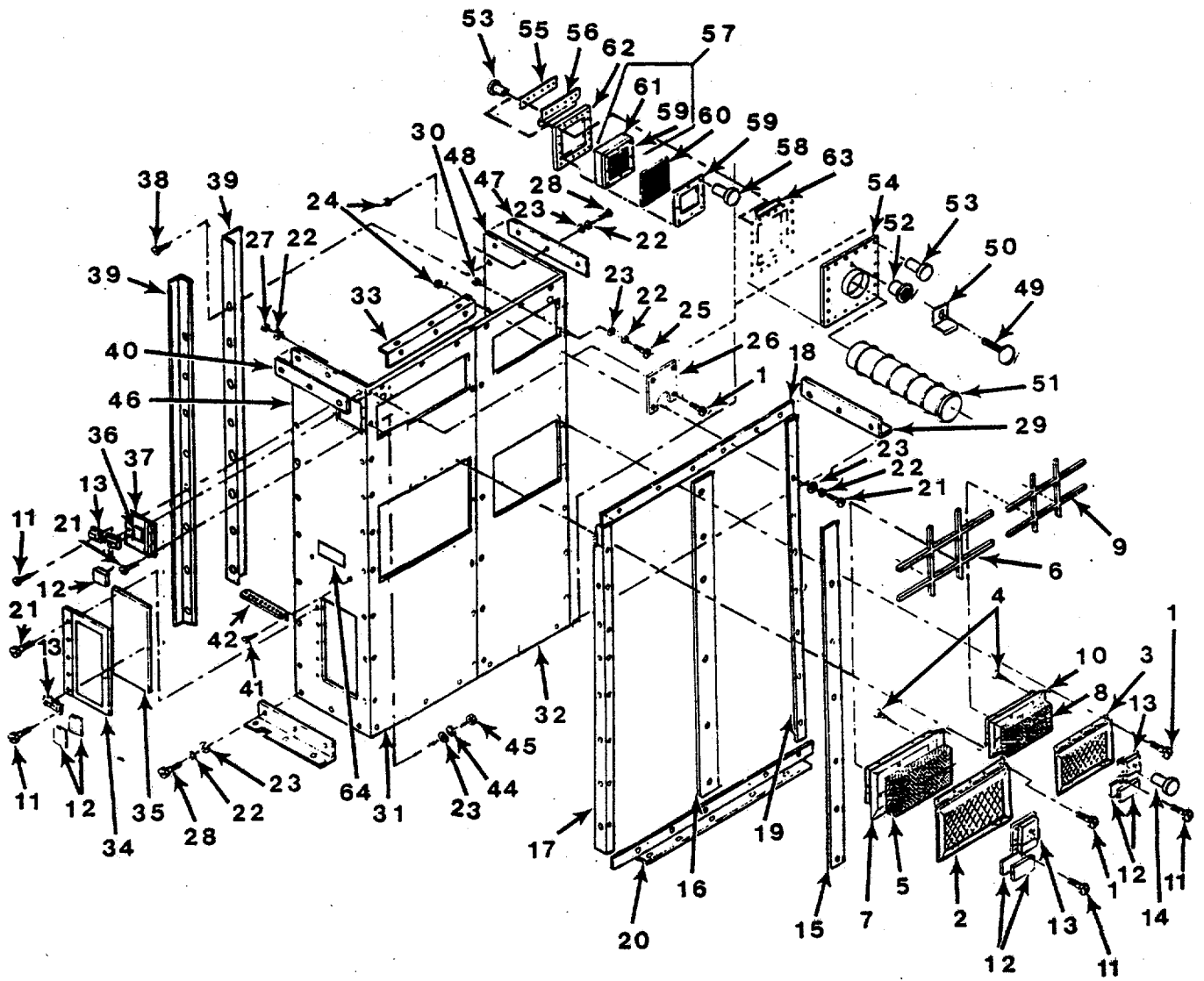


Figure 10 . Air Conditioner Housing Installation

Change 1 F-28

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|--------------------|--------------|-------------------------|---|------------|
| GROUP 05 HOUSING ASSEMBLY, AIR CONDITIONER | | | | | |
| FIG. 10 AIR CONDITIONER HOUSING INSTALLATION | | | | | |
| | XCDDD | 81337 | 5-13-4889 | HSING,A/C | 1 |
| 1 | XDOZZ | 96906 | MS24630-48 | .SCREW,TAP | 27 |
| 2 | XDOZZ | 81337 | 5-13-4914-2 | .VENT,BOTTOM L | 1 |
| 3 | XDOZZ | 81337 | 5-13-4114-1 | .VENT,BOTTOM R | 1 |
| 4 | XDOZZ | 96906 | MS51862-12C | .SCREW,TAP | 24 |
| 5 | PAOZZ | 39428 | 2069K11 | .FILTER MEDIA,AIR CO | 1 |
| 6 | XDOZZ | 81337 | 5-13-4917-1 | .SPT,FILTER | 1 |
| 7 | XDOZZ | 81337 | 5-13-4918-1 | .FRAME,FILTER | 1 |
| 8 | PAOZZ | 39428 | 2069K11 | .FILTER MEDIA,AIR CO | 1 |
| 9 | XDOZZ | 81337 | 5-13-4917-2 | .SPT,FILTER | 1 |
| 10 | XDOZZ | 81337 | 5-13-4918-2 | .FRAME,FILTER | 1 |
| 11 | XDOZZ | 96906 | MS51861-47 | .SCREW,TAPPING,THREA | 3 |
| 12 | XDDZZ | 81337 | 5-13-4889-44 | .SHEET,ALUMINUM | 13 |
| 13 | XDOZZ | 39428 | 1664AS | .LATCH,CABINET | 7 |
| 14 | XDOZZ | 81349 | MIL-R-24243/6-A4 05H | .RIVET | 24 |
| 15 | XDDZZ | 82685 | 5K809 | .BAR,DIVISION | 1 |
| 16 | XDDZZ | 82685 | 5K809 | .BAR,DIVISION..... | 1 |
| 17 | XDDZZ | 81337 | 5-13-4895 | .SPT,A/C HSNL LFV | 1 |
| 18 | XDDZZ | 81337 | 5-13-4892 | .SPT,A/C HSNL FPTF | 1 |
| 19 | XDDZZ | 81337 | 5-13-4894 | .SPT,A/C HSNL RFV | 1 |
| 20 | XDDZZ | 81337 | 5-13-4891 | .SPT,A/C HSNL FPBF | 1 |
| 21 | XDDZZ | 96906 | MS90728-8 | .SCREW,CAP,HEXAGON H | 25 |
| 22 | XDDZZ | 96906 | MS35338-44 | .WASHER,LOCK | 52 |
| 23 | XDDZZ | 96906 | MS15795-410 | .WASHER,FLAT | 52 |
| 24 | XDDZZ | 39428 | 90975A029 | .NUT,TEE | 55 |
| 25 | XDDZZ | 96906 | MS90725-13 | .SCREW,CAP | 3 |
| 26 | XDDZZ | 81337 | 5-13-4919 | .CVR,SOLAR BAR | 2 |
| 27 | XDDZZ | 39428 | 90975A029 | .NUT,TEE | 8 |
| 28 | XDDZZ | 96906 | MS90725-6 | .SCREW,CAP,HEXAGON H | 27 |
| 29 | XDDZZ | 81337 | 5-13-4896 | .SPT,A/C HSNL SPB | 2 |
| 30 | XDDZZ | 96906 | MS35649-2252 | .NUT,PLAIN,HEXAGON | 3 |
| 31 | XDDZZ | 81337 | 5-13-4902 | .WALL ASSY HSNL | 1 |
| 32 | XDDZZ | 81337 | 5-13-4905 | .WALL ASSY AC HSNLFR | 1 |
| 33 | XDDZZ | 81337 | 5-13-4893 | .SPT,A/C HSNL FPTR | 1 |
| 34 | XDOZZ | 81337 | 5-13-4916-2 | .VENT,AIR RTN | 1 |
| 35 | PAOZZ | 39428 | 2069K11 | .FILTER MEDIA,AIR CO | 1 |
| 36 | XDOZZ | 81337 | 5-13-4822 | .STENCIL,.5,BLACK ACCESS TO..... FURNACE HEAT STRIPS | 1 |
| 37 | XDOZZ | 81337 | 5-13-4911 | .DOOR,HTR ACC | 1 |
| 38 | XDDZZ | 74222 | 30-99-142-12 | .RIVET,DR | V |
| 39 | XDDZZ | 81337 | 5-13-4901 | .SPT,A/C HSNL SPR | 2 |
| 40 | XDDZZ | 81337 | 5-13-4890 | .SPT,A/C HSNL L TOP | 1 |
| 41 | XDOZZ | 96906 | MS35191-291 | .SCREW,MACHINE | 16 |
| 42 | XDOZZ | 81337 | 5-13-4912 | .RACK,STORAGE,TIEDOW | 1 |
| 43 | XDDZZ | 96906 | MS24693-26 | .SCREW,MACHINE | 4 |

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 44 | XDDZO | 96906 | MS35333-37 | .WASHER,LOCK | 4 |
| 45 | XDDZZ | 96906 | MS35649-262 | .NUT,PLAIN,HEXAGON | 4 |
| 46 | XDDZZ | 81337 | 5-13-4898 | .WALL ASSY AC HSNG L | 1 |
| 47 | XDDZZ | 81337 | 5-13-4897 | .SPT,A/C HSNG RSPT | 1 |
| 48 | XDDZZ | 81337 | 5-13-4908 | .WALL ASSY AC HSNG R | 1 |
| 49 | XDOZZ | 96906 | MS21316-36 | .THUMBSCREW #10-32 X .75..... | 1 |
| 50 | XDOZZ | 81337 | 5-13-5064 | .CLIP,VENT TUBE | 1 |
| 51 | XDOZZ | 39428 | 5266K59 | .DUCT,HOSE | 1 |
| 52 | XDOZZ | 96906 | MS27130-A26 | .NUT,BLIND,RIVET | 1 |
| 53 | XDOZZ | 96906 | MS20600-B6W3 | .RIVET,BLIND | 46 |
| 54 | XDOZZ | 81337 | 5-13-5042 | .FRAME,VENT,INNER | 1 |
| 55 | XDOZZ | 81337 | 5-13-5021 | .STRIP,VENT,OUT | 1 |
| 56 | XDOZZ | 81337 | 5-13-5040 | .FLAP,RUBBER | 1 |
| 57 | XDOOO | 81337 | 5-13-5046 | .FRAME,VENT,OUTER | 1 |
| 58 | XDOZZ | 96906 | MS20600-B6W5 | ..RIVET,BLIND..... | 8 |
| 59 | XDOZZ | 81337 | 5-13-5043 | ..PLATE,BACK,VENT | 2 |
| 60 | XDOZZ | 39428 | 1224T25 | ..SCREEN,MESH | 1 |
| 61 | XDOZZ | 81337 | 5-13-5044 | ..BOX,SLATS,VENT | 1 |
| 62 | XDOZZ | 81337 | 5-13-5045 | ..PLATE,FRONT,VENT | 1 |
| 63 | XDOZZ | 81337 | 5-13-4822 | .STENCIL,.5,BLACK | 1 |
| 64 | XDOZZ | 81337 | 5-13-4822 | .STENCIL,.5,BLACK RUBBER STRAP..... | 1 |
| | | | | STORAGE | |

END OF FIGURE

Change 1 F-30

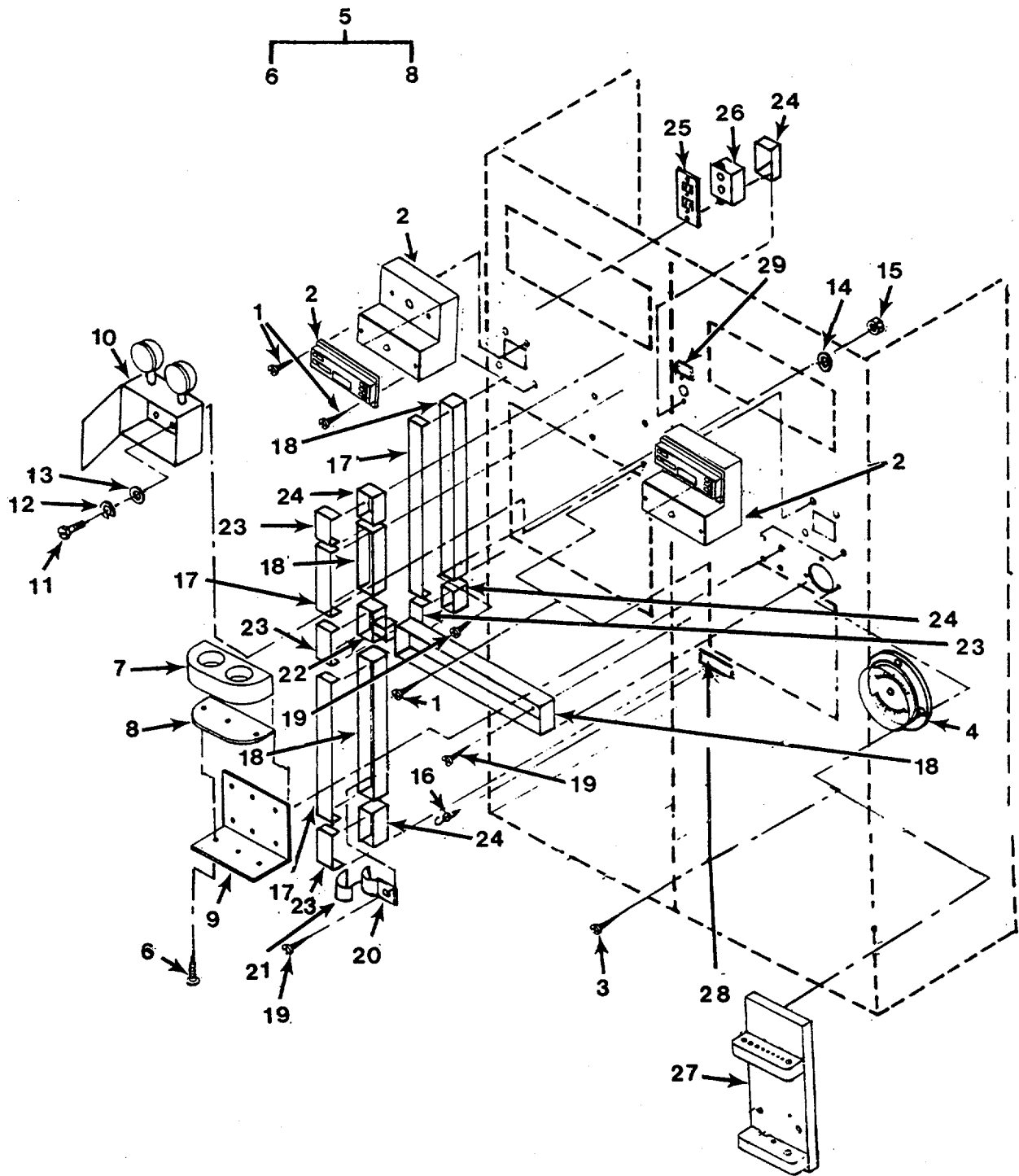


Figure. 11 Air Conditioner Housing Equipment Mounting Installation

(F-31 blank)/F-32

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
|-------------------|--------------------|--------------|-----------------------|---|------------|

GROUP 05 HOUSING ASSEMBLY, AIR CONDITIONER

**FIG. 11 AIR CONDITIONER HOUSING
EQUIPMENT MOUNTING
INSTALLATION**

| | | | | | |
|----|-------|-------|------------------|--|----|
| | XCOOO | 81337 | 5-13-4887 | EQUIP,MTG,AC HOUSIN | 1 |
| 1 | XDOZZ | 96906 | MS51861-37 | .SCREW,TAPPING,THREA *8 X .75 | 7 |
| 2 | XDOZZ | 81337 | 5-13-4972 | .THERMOSTAT ASSY | 2 |
| 3 | XDOZZ | 96906 | MS51861-49 | .SCREW,TAP,10X1.00 | 7 |
| 4 | PBOZZ | 15806 | HTAB-169 | .HYGROMETER,DIAL IND | 1 |
| 5 | XDOZZ | 81337 | 5-13-5005 | .RACK,STORAGE,CAN | 1 |
| 6 | XDOZZ | 96906 | MS35492-253 | .SCREW,WOOD,FLT HD #8 X 1.00,..... | 6 |
| | | | | BRASS | |
| 7 | XDOZZ | 97403 | 13226E7946 | ..GASKET,HOLDER | 1 |
| 8 | XDOZZ | 97403 | 13226E7947 | ..HOLDER,SOLVENT CON | 1 |
| 9 | XDOZZ | 97403 | 13226E7945 | ..SHELF,SOLVENT CON | 1 |
| 10 | PBOOO | 81337 | 5-13-4780 | .LIGHT UNIT,EMERGENC | 1 |
| 11 | XDOZZ | 96906 | MS90725-11 | .SCREW,HEX 25 X 20 X 1.38..... | 4 |
| 12 | XDOZZ | 96906 | MS35338-44 | .WASHER,LOCK | 4 |
| 13 | XDOZZ | 96906 | MS15795-410 | .WASHER,FLAT | 4 |
| 14 | XDOZZ | 96906 | MS15795-442 | .WASHER,FLAT | 4 |
| 15 | XDOZZ | 39428 | 90975A029 | .NUT,TEE | 4 |
| 16 | XDOZZ | 39428 | 9417K4 | .HOOK,CUP,BRASS | 1 |
| 17 | XDOZZ | 79725 | G-2100C | .COVER,CONDUIT,RACEW | 4 |
| 18 | XDOZZ | 79725 | G-2100B | .RACEWAY,METALLIC | 2 |
| 19 | XDOZZ | 96906 | MS35492-52 | .SCREW,WOOD #8 X .75..... | 30 |
| 20 | XDOZZ | 79725 | 2100WC | .CLIP,WIRE | 20 |
| 21 | XDOZZ | 79725 | G-2106 | .CLIP,CVR | 10 |
| 22 | XDOZZ | 79725 | G-20115 | .RACEWAY,TEE | 1 |
| 23 | XDOZZ | 03743 | 180-A | .CVR,BLANK | 4 |
| 24 | XDOZZ | 79725 | G-2141 | .BOX,RECP | 5 |
| 25 | XDOZZ | 81345 | UL 514AANDUL 514 | .PLATE,WALL ELEC OUT | 1 |
| 26 | XDOZZ | 81348 | W-C-596/12-4 | .CONN,RECP,ELEC | 1 |
| 27 | XDOZZ | 81337 | 5-13-4947 | .RACK,TOOL,PAPER CUT | 1 |
| 28 | XDOZZ | 81337 | 5-13-4720 | .STENCIL,.25,BLACK KEY STORAGE RACK..... | 1 |
| 29 | XDOZZ | 81337 | 5-13-4720 | .STENCIL,.25,BLACK RECEPTACLE 120V..... | 1 |
| | | | | J-29 20A..... | |

END OF FIGURE

Change 1 F-33

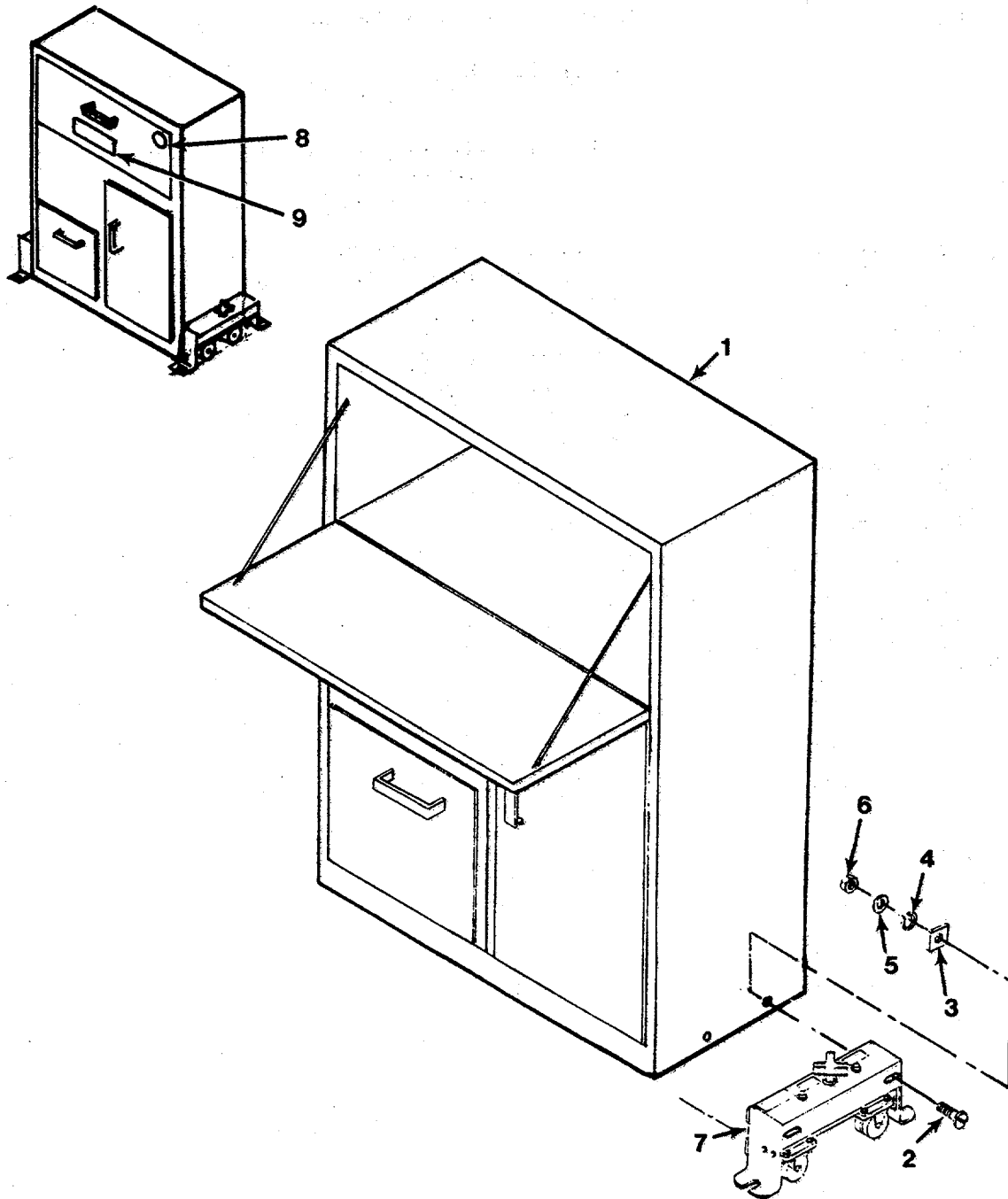


Figure 12. Desk Cabinet and Transporter Assembly

Change 1 F-34

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
|-------------------|--------------------|--------------|-----------------------|---|------------|

GROUP 06 OFFICE CABINET ASSEMBLY

FIG. 12 DESK CABINET AND TRANSPORTER ASSEMBLY

| | | | | | |
|---|-------|-------|--------------|---|---|
| | XDOOO | 81337 | 5-13-4880 | TRANSPORTER,DSK CAB | 1 |
| 1 | XDOZZ | 81337 | 5-13-4879 | .DESK,CAB ASSY | 1 |
| 2 | XDOZZ | 96906 | MS90728-8 | .SCREW,CAP,HEXAGON H | 8 |
| 3 | XDOZZ | 81337 | 5-13-4760 | .BRACKET..... | 8 |
| 4 | XDOZZ | 96906 | MS35338-44 | .WASHER,LOCK | 8 |
| 5 | XDOZZ | 96906 | MS15795-410 | .WASHER,FLAT | 8 |
| 6 | XDOZZ | 96906 | MS35649-2252 | .NUT,PLAIN,HEXAGON | 8 |
| 7 | XDOOO | 81337 | 5-13-4703-7 | .TRANSPORTER ASSY | 2 |
| 8 | XDOZZ | 81337 | 5-13-4718 | .STENCIL,1.5DOT,YLW | 1 |
| 9 | XDOZZ | 81337 | 5-13-4719 | .STENCIL,I.O,BLACK CAUTION SECURE | 1 |
| | | | | SHIPPING BRACKET BEFORE MOVEMENT..... | |

END OF FIGURE

Change 1 F-35

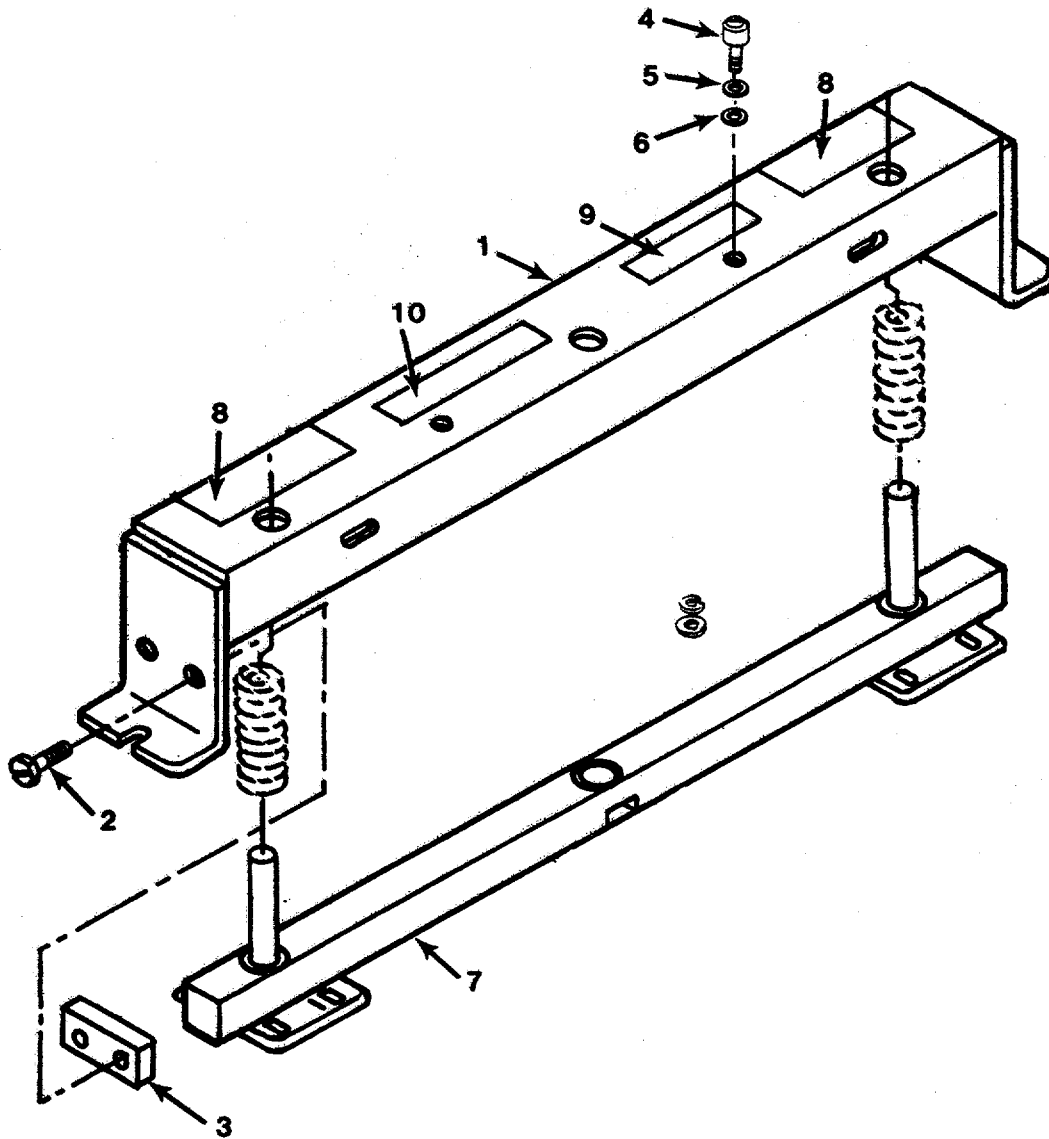


Figure 13 . Transporter Assembly

Change 1 F-36

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|--------------------|--------------|-----------------------|---|------------|
| GROUP 06 OFFICE CABINET ASSEMBLY | | | | | |
| FIG. 13 TRANSPORTER ASSEMBLY | | | | | |
| 1 | XDOZZ | 81337 | 5-13-4704-7 | ..HSING,TRANSPORTER..... | 1 |
| 2 | XDOZZ | 96906 | MS51095-303 | ..SCREW,HEX,CAD PL..... | 4 |
| 3 | XDOZZ | 81337 | 5-13-4711 | ..STOP,CASTER BAR | 2 |
| 4 | XDOZZ | 96906 | MS16998-74 | ..SCREW,CAP,SOCKET HE..... | 2 |
| 5 | XDOZZ | 96906 | MS15795-417 | ..WASHER,FLAT | 2 |
| 6 | XDOZZ | 96906 | MS15795-414 | ..WASHER,FLAT..... | 2 |
| 7 | XDOZZ | 81337 | 5-13-4705-7 | ..BAR,CASTER..... | 1 |
| 8 | XDOZZ | 81337 | 5-13-4712 | ...DECAL..... | 1 |
| 9 | XDOZZ | 81337 | 5-13-4759 | DECAL..... | 1 |
| 10 | XDOZZ | 81337 | 5-13-4758 | ...DECAL | 1 |

END OF FIGURE

Change 1 F-37

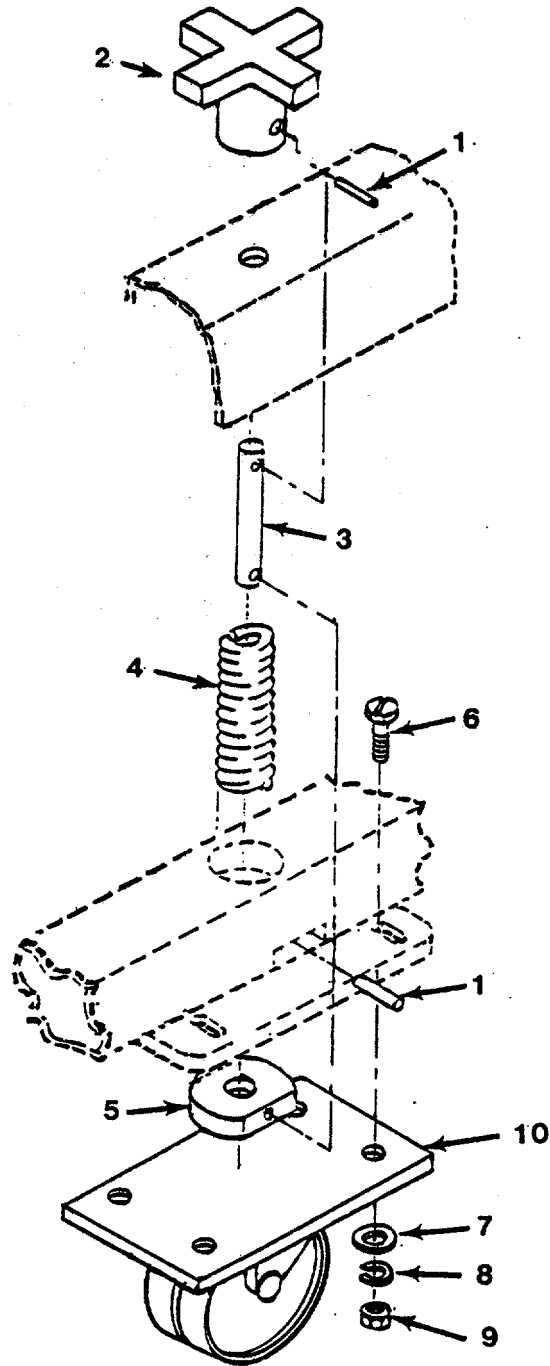


Figure 14. Transporter Wheel Assembly

Change 1

F-38

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
|-------------------|--------------------|--------------|-----------------------|---|------------|

GROUP 06 OFFICE CABINET.ASSEMBLY

FIG. 14 TRANSPORTER WHEEL ASSEMBLY

| | | | | | |
|----|-------|-------|--------------|-----------------------------|---|
| 1 | XDOZZ | 96906 | MS16556-29 | ..PIN,ST | 2 |
| 2 | XDOZZ | 81337 | 5-13-4715 | ..KNOB | 1 |
| 3 | XDOZZ | 81337 | 5-13-4716 | ..STUD | 1 |
| 4 | PAOZZ | 39428 | 9620K24 | ..SPRING,HELICAL,COMP | 2 |
| 5 | XDOZZ | 81337 | 5-13-4708 | ..WASHER,GUIDE | 1 |
| 6 | XDOZZ | 96906 | MS51849-95 | ..SCREW,MACHINE | 8 |
| 7 | XDOZZ | 96906 | MS15795-410 | ..WASHER,FLAT | 8 |
| 8 | XDOZZ | 96906 | MS35338-44 | ..WASHER,LOCK | 8 |
| 9 | XDOZZ | 96906 | MS35649-2252 | ..NUT,PLAIN,HEXAGON | 8 |
| 10 | XDOZZ | 25472 | 13-40-XKN | ..CASTER,PIANO | 2 |

END OF FIGURE

Change 1 F-39

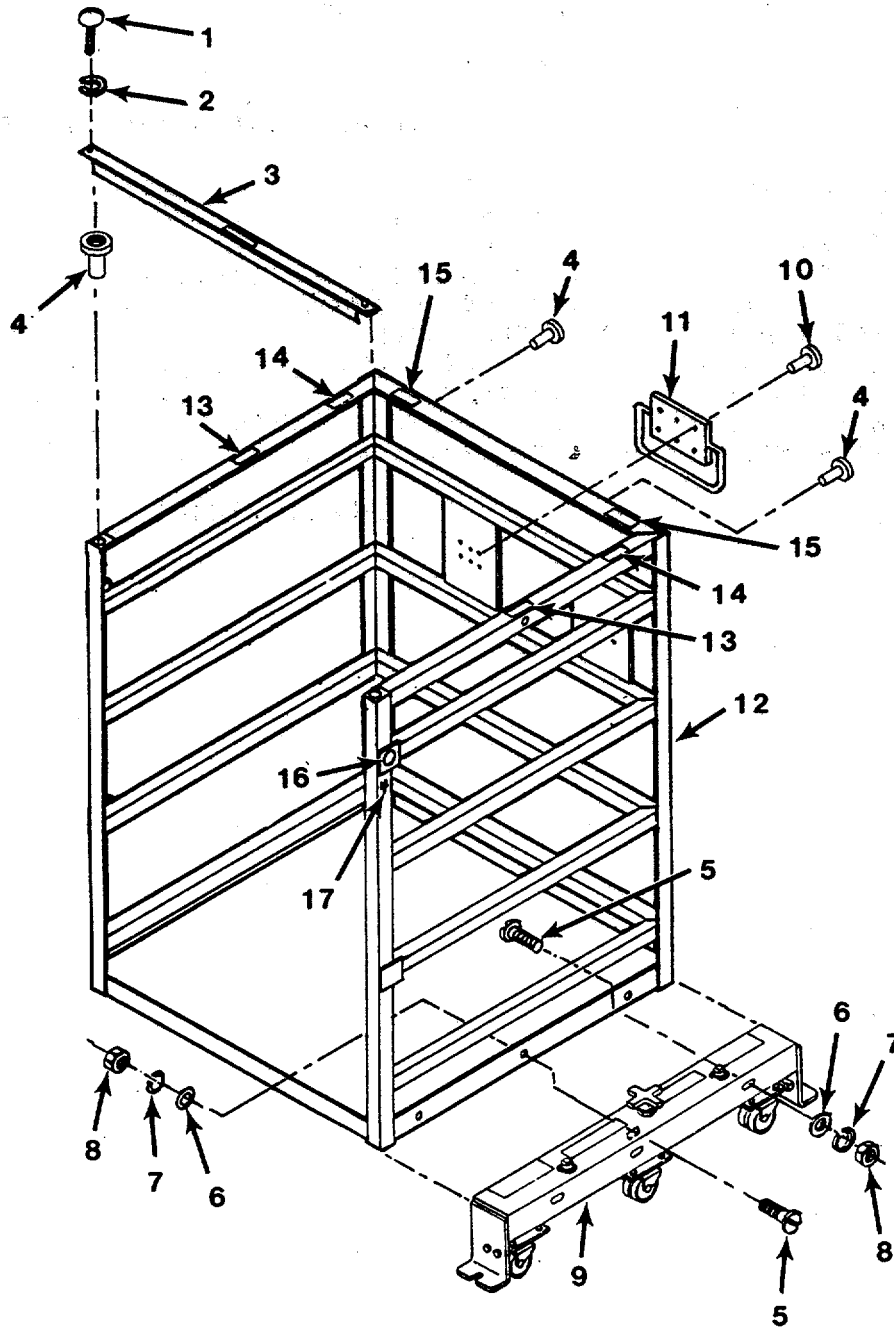


Figure 15. Paper Storage Rack With Table Storage Assembly

Change 1 F-40

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|--|--------------------|--------------|-----------------------|---|------------|
| GROUP 07 PAPER STORAGE RACK ASSEMBLY WITH TABLE STORAGE | | | | | |
| FIG. 15 PAPER STORAGE RACK WITH TABLE STORAGE ASSEMBLY | | | | | |
| | XDODD | 81337 | 5-13-4717-1 | TRANSP,PAPER RK ASY | 1 |
| 1 | XDOZZ | 81337 | 5-13-4695-2 | ...THUMBSCREW | 2 |
| 2 | XDOZZ | 96906 | MS35335-33 | ...WASHER,LOCK 25,EXT TOOTH | 2 |
| 3 | XDOZZ | 81337 | 5-13-4696 | ...BAR,TRANSPORT | 1 |
| 4 | XDOZZ | 96906 | MS27130-A31 | ..NUT,BLIND,RIVET | 4 |
| 5 | XDOZZ | 96906 | MS90728-8 | .SCREW,CAP,HEXAGON H | 12 |
| 6 | XDOZZ | 96906 | MS15795-410 | .WASHER,FLAT | 12 |
| 7 | XDOZZ | 96906 | MS35338-44 | .WASHER,LOCK | 12 |
| 8 | XDOZZ | 96906 | MS35649-2252 | .NUT,PLAIN,HEXAGON | 12 |
| 9 | XDOOO | 81337 | 5-13-4703-5 | .TRANSPORTER ASSY | 2 |
| 10 | XDOZZ | 96906 | MS20600-B6W6 | ..RIVET,BLIND | 12 |
| 11 | XDOZZ | 98003 | H5371BA | ..HANDLE | 2 |
| 12 | XDDDD | 81337 | 5-13-4687 | ..RACK,WELDMENT | 1 |
| 13 | XDOZZ | 81337 | 5-13-4720 | .STENCIL,.25,BLACK TABLE STORAGE..... | 2 |
| 14 | XDOZZ | 81337 | 5-13-4718 | .STENCIL,1.0,BLACK,3..... | 2 |
| 15 | XDOZZ | 81337 | 5-13-4720 | .STENCIL,.25,BLACK TRANSPORT BAR | 2 |
| | | | | STORAGE | |
| 16 | XDOZZ | 81337 | 5-13-4719 | .STENCIL,1.5DOT,GRN | 2 |
| 17 | XDOZZ | 81337 | 5-13-4718 | .STENCIL,1.0,BLACK,4..... | 2 |

END OF FIGURE

Change 1 F-41

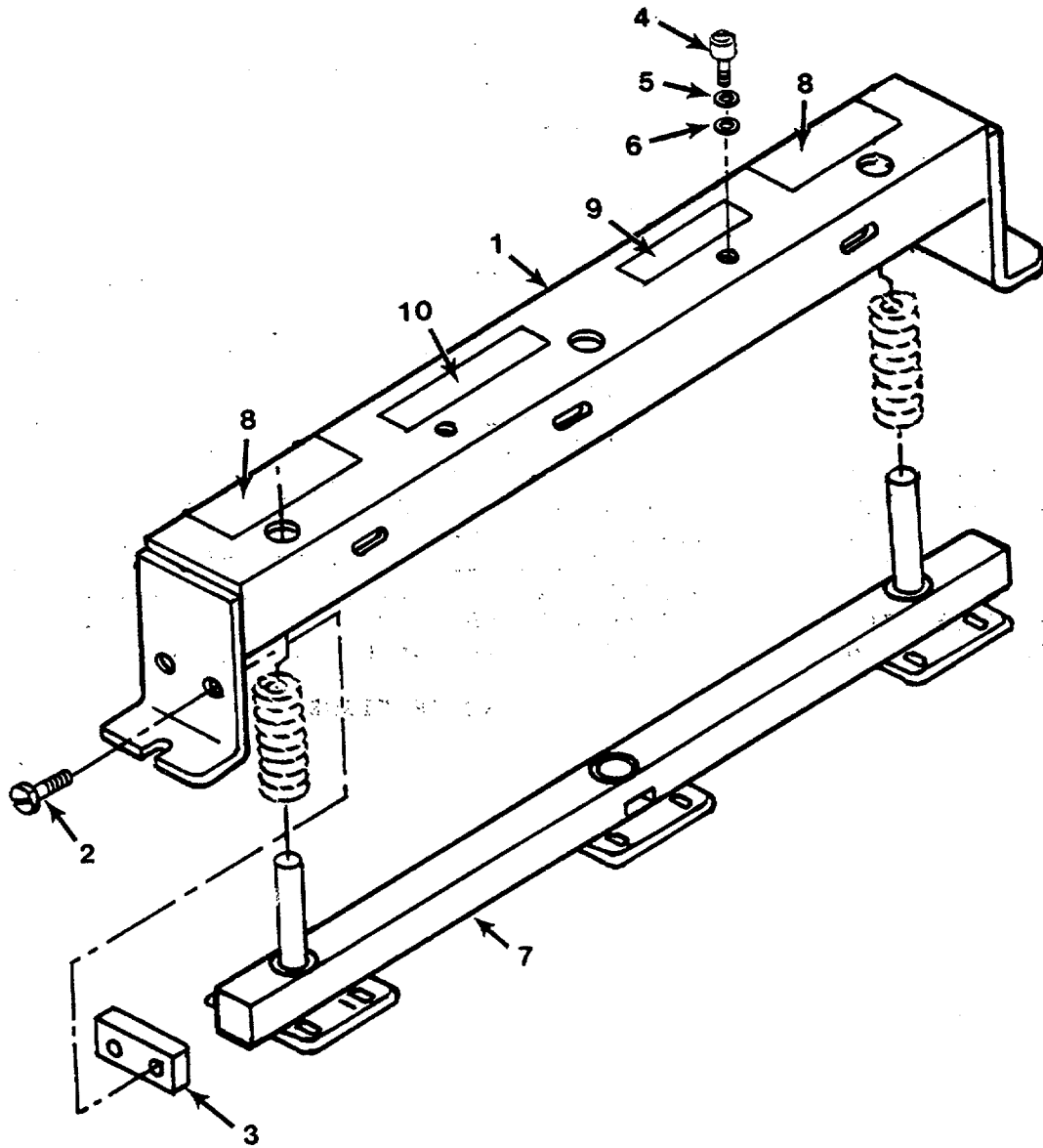


Figure 16. Transporter Assembly

Change 1 F-42

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|--|--------------------|--------------|-----------------------|---|------------|
| GROUP 07 PAPER STORAGE RACK ASSEMBLY WITH TABLE STORAGE | | | | | |
| FIG. 16 TRANSPORTER ASSEMBLY | | | | | |
| 1 | XDOZZ | 81337 | 5-13-4704-5 | ..HSING, TRANSPORTER | 1 |
| 2 | XDOZZ | 96906 | MS51095-303 | ..SCREW, HEX, CAD PL | 4 |
| 3 | XDOZZ | 81337 | 5-13-4711 | ..STOP, CASTER BAR | 2 |
| 4 | XDOZZ | 96906 | MS16998-74 | ..SCREW, CAP, SOCKET HE | 2 |
| 5 | XDOZZ | 96906 | MS15795-417 | ..WASHER, FLAT | 2 |
| 6 | XDOZZ | 96906 | MS15795-414 | ..WASHER, FLAT | 2 |
| 7 | XDOZZ | 81337 | 5-13-4705-5 | ..BAR, CASTER | 1 |
| 8 | XDOZZ | 81337 | 5-13-4712 | ..DECAL | 2 |
| 9 | XDOZZ | 81337 | 5-13-4759 | ..DECAL | 1 |
| 10 | XDOZZ | 81337 | 5-13-4758 | ..DECAL | 1 |

END OF FIGURE

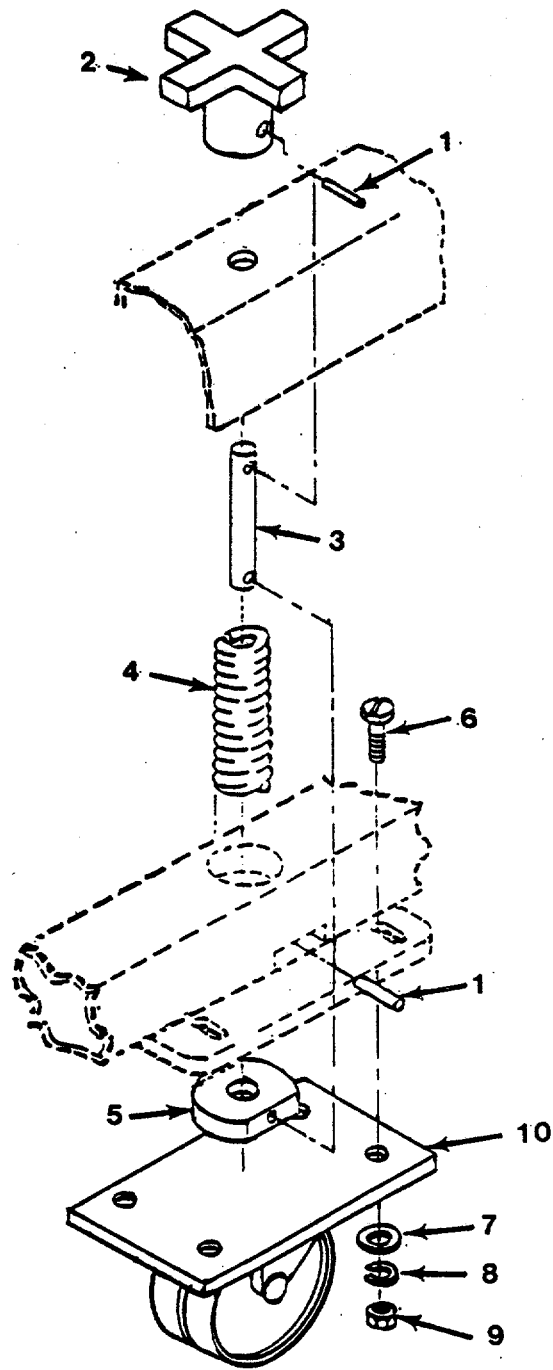


Figure 17. Transporter Wheel Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 07 PAPER STORAGE RACK ASSEMBLY WITH TABLE STORAGE FIG. 17 TRANSPORTER WHEEL ASSEMBLY | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1 | XDOZZ | 96906 | MS16556-29 | ..PIN, ST | 2 |
| 2 | XDOZZ | 81337 | 5-13-4715 | ..KNOB | 1 |
| 3 | XDOZZ | 81337 | 5-13-4716 | ..STUD | 1 |
| 4 | PAOZZ | 39428 | 9620K24 | ..SPRING, HELICAL, COMP | 3 |
| 5 | XDOZZ | 81337 | 5-13-4708 | ..WASHER, GUIDE | 1 |
| 6 | XDOZZ | 96906 | MS51849-95 | ..SCREW, MACHINE | 12 |
| 7 | XDOZZ | 96906 | MS15795-410 | ..WASHER, FLAT | 12 |
| 8 | XDOZZ | 96906 | MS35338-44 | ..WASHER, LOCK | 12 |
| 9 | XDOZZ | 96906 | MS35649-2252 | ..NUT, PLAIN, HEXAGON | 12 |
| 10 | XDOZZ | 25472 | 13-40-XKN | ..CASTER, PIANO | 3 |

END OF FIGURE

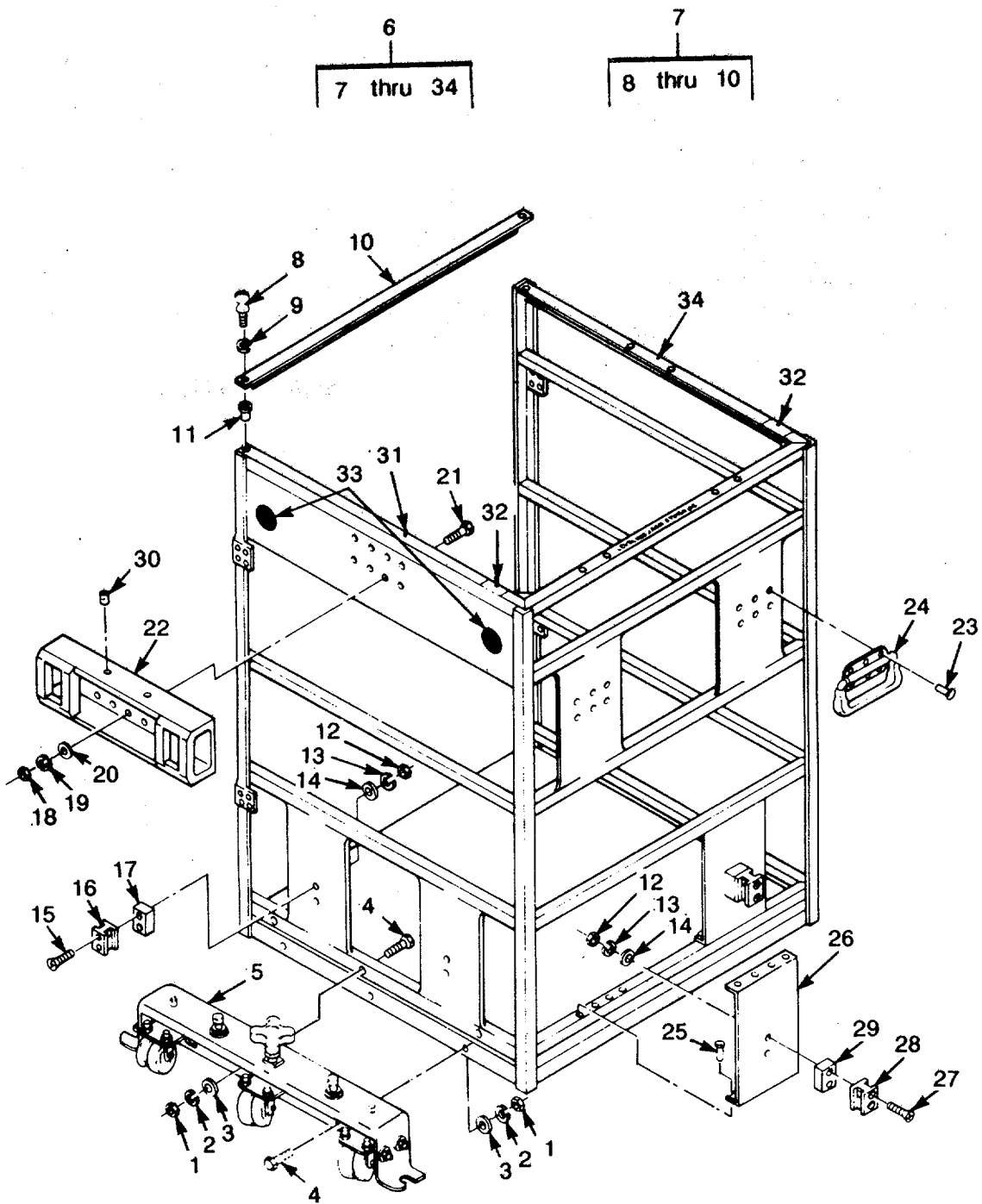


Figure 18. Paper Storage Rack with ISO Jack Storage Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 08 PAPER STORAGE RACK ASSEMBLY WITH TABLE STORAGE FIG. 18 PAPER STORAGE RACK WITH ISO JACK STORAGE ASSEMBLY | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| | | | | TRANSP, PAPER RK ASY | 1 |
| 1 | XDOZZ | 96906 | MS35649-2252 | ..NUT, PLAIN, HEXAGON | 12 |
| 2 | XDOZZ | 96906 | MS35338-44 | ..WASHER, LOCK | 12 |
| 3 | XDOZZ | 96906 | MS15795-410 | ..WASHER, FLAT | 12 |
| 4 | XDOZZ | 96906 | MS90728-8 | ..SCREW, CAP, HEXAGON H | 12 |
| 5 | XDODD | 81337 | 5-13-4703-5 | ..TRANSPORTER ASSY | 2 |
| 6 | XDODD | 81337 | 5-13-4686 | ..RACK, PAPER ASSY | 1 |
| 7 | XDOOO | 81337 | 5-13-4695 | ..BAR, TRANSPORT ASSY | 1 |
| 8 | PAOZZ | 96906 | MS21316-35 | ...THUMBSCREW | 2 |
| 9 | XDOZZ | 96906 | MS35335-33 | ...WASHER, LOCK | 2 |
| 10 | XDOZZ | 81337 | 5-13-4696 | ...BAR, TRANSPORT | 1 |
| 11 | XDOZZ | 96906 | MS27130-A31 | ..NUT, BLIND, RIVET | 2 |
| 12 | XDOZZ | 96906 | MS35649-2252 | ..NUT, PLAIN, HEXAGON | 8 |
| 13 | XDOZZ | 96906 | MS35338-44 | ..WASHER, LOCK | 8 |
| 14 | XDOZZ | 96906 | MS15795-410 | ..WASHER, FLAT | 8 |
| 15 | XDOZZ | 96906 | MS24693-108 | ..SCREW, FLAT | 4 |
| 16 | XDOZZ | 81337 | 5-4-2885 | ..BRACKET, SPT JACK | 2 |
| 17 | XDOZZ | 81337 | 5-4-2937-1 | ..SPACER, SPT | 2 |
| 18 | XDOZZ | 96906 | MS35649-2312 | ..NUT, PLAIN, HEXAGON | 8 |
| 19 | XDOZZ | 96906 | MS35338-45 | ..WASHER, LOCK | 8 |
| 20 | XDOZZ | 96906 | MS15795-812 | ..WASHER, FLAT | 8 |
| 21 | XDOZZ | 96906 | MS90725-32 | ..SCREW, HEX | 8 |
| 22 | XDOZZ | 81337 | 5-4-2949 | ..BRACKET, STORAGE, JAC | 1 |
| 23 | XDOZZ | 96906 | MS20600-B6W6 | ..RIVET, BLIND | 12 |
| 24 | XDOZZ | 98003 | H5371BA | ..HANDLE | 2 |
| 25 | XDOZZ | 96906 | MS24243/6-A606H | ..RIVET, BLIND USED ON MPS SERIAL..... | 16 |
| | | | | NUMBERS 1 THRU 10 ONLY..... | |
| 26 | XDOZZ | 81337 | 5-13-5183 | ..SUPPORT, JACK USED ON MPS SERIAL | 2 |
| | | | | NUMBER 1 THRU 10 ONLY | |
| 27 | XDOZZ | 96906 | MS51959-88 | ..SCREW | 4 |
| 28 | XDOZZ | 81337 | 5-4-2929 | ..BRACKET | 2 |
| 29 | XDOZZ | 81337 | 5-4-2937-2 | ..SPACER, SUPPORT | 2 |
| 30 | XDOZZ | 19738 | 9504-08 | ..INSERT, SCREW THREAD | 4 |
| 31 | XDOZZ | 81337 | 5-13-4720 | ..STENCIL, .25, BLACK ISO JACK..... | 1 |
| | | | | STORAGE | |
| 32 | XDOZZ | 81337 | 5-13-4720 | ..STENCIL, .25, BLACK TRANSPORT BAR | 2 |
| | | | | STORAGE | |
| 33 | XDOZZ | 81337 | 5-13-4718 | ..STENCIL, 1.5 DOT, RED | 2 |
| 34 | XDODD | 81337 | 5-13-4687 | ..RACK, WELDMENT | 1 |

END OF FIGURE

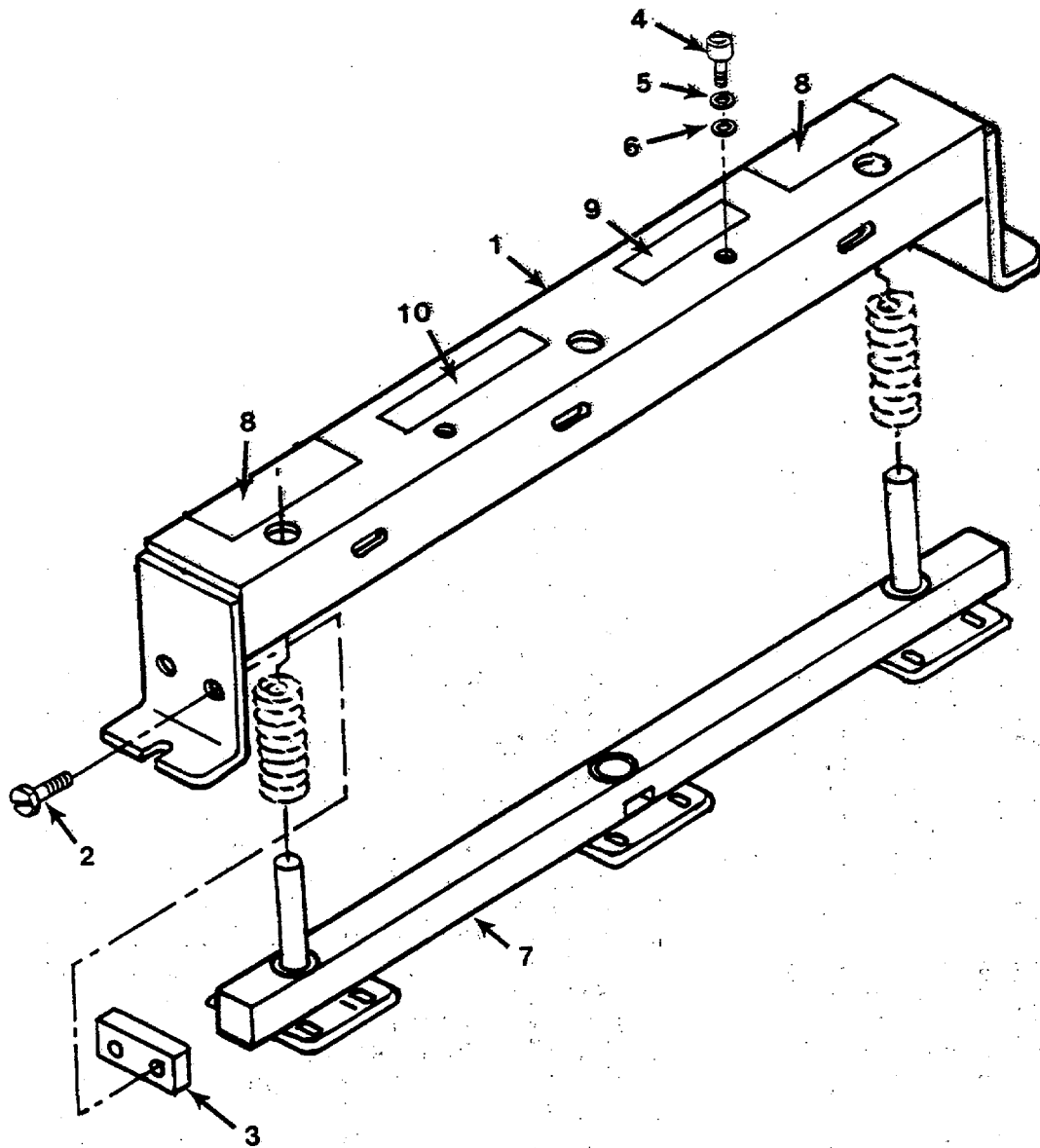


Figure 19. Transporter Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 08 PAPER STORAGE RACK ASSEMBLY WITH LIGHT TABLE FIG. 19 TRANSPORTER ASSEMBLY | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1 | XDOZZ | 81337 | 5-13-4704-5 | ..HSING, TRANSPORTER | 1 |
| 2 | XDOZZ | 96906 | MS51095-303 | ..SCREW, HEX, CAD PL | 4 |
| 3 | XDOZZ | 81337 | 5-13-4711 | ..STOP, CASTER BAR | 2 |
| 4 | XDOZZ | 96906 | MS16998-74 | ..SCREW, CAP, SOCKET HE | 2 |
| 5 | XDOZZ | 96906 | MS15795-417 | ..WASHER, FLAT | 2 |
| 6 | XDOZZ | 96906 | MS15795-414 | ..WASHER, FLAT | 2 |
| 7 | XDOZZ | 81337 | 5-13-4705-5 | ..BAR, CASTER | 1 |
| 8 | XDOZZ | 81337 | 5-13-4712 | ..DECAL | 2 |
| 9 | XDOZZ | 81337 | 5-13-4759 | ..DECAL | 1 |
| 10 | XDOZZ | 81337 | 5-13-4758 | ..DECAL | 1 |

END OF FIGURE

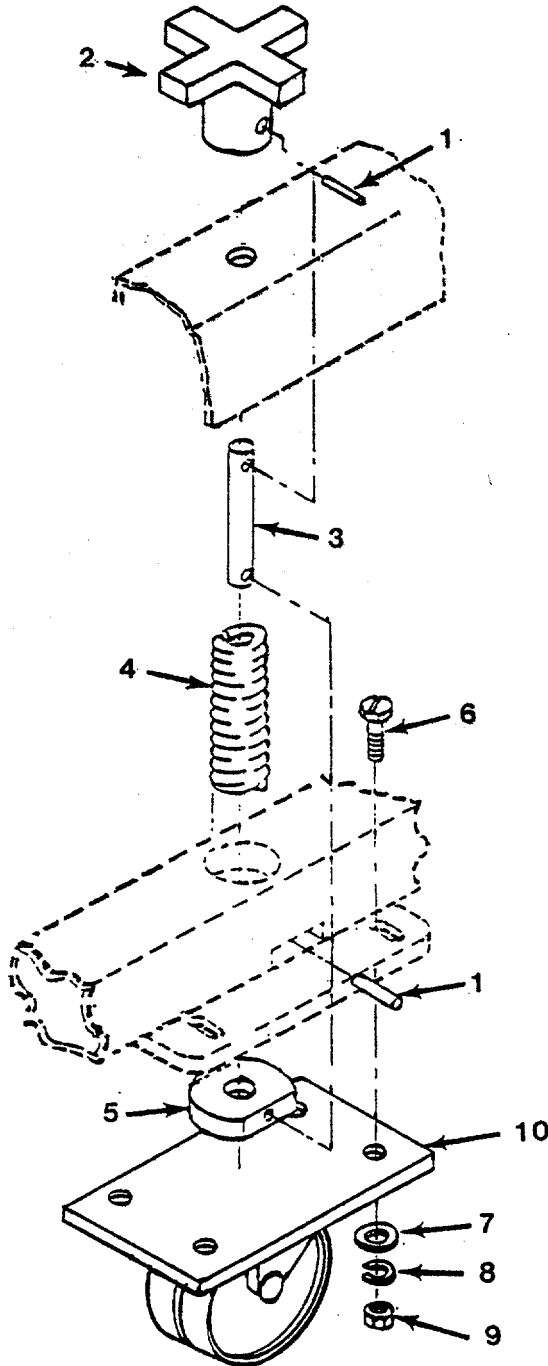


Figure 20. Transporter Wheel Assembly

F-50 Change 1

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 08 PAPER STORAGE RACK ASSEMBLY WITH TABLE STORAGE FIG. 20 TRANSPORTER WHEEL ASSEMBLY | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1 | XDOZZ | 96906 | MS16556-29 | ..PIN, ST | 2 |
| 2 | XDOZZ | 81337 | 5-13-4715 | ..KNOB | 1 |
| 3 | XDOZZ | 81337 | 5-13-4716 | ..STUD | 1 |
| 4 | PAOZZ | 39428 | 9620K24 | ..SPRING, HELICAL, COMP | 3 |
| 5 | XDOZZ | 81337 | 5-13-4708 | ..WASHER, GUIDE | 1 |
| 6 | XDOZZ | 96906 | MS51849-95 | ..SCREW, MACHINE | 12 |
| 7 | XDOZZ | 96906 | MS15795-410 | ..WASHER, FLAT | 12 |
| 8 | XDOZZ | 96906 | MS35338-44 | ..WASHER, LOCK | 12 |
| 9 | XDOZZ | 96906 | MS35649-2252 | ..NUT, PLAIN, HEXAGON | 12 |
| 10 | XDOZZ | 25472 | 13-40-XKN | ..CASTER, PIANO | 3 |

END OF FIGURE

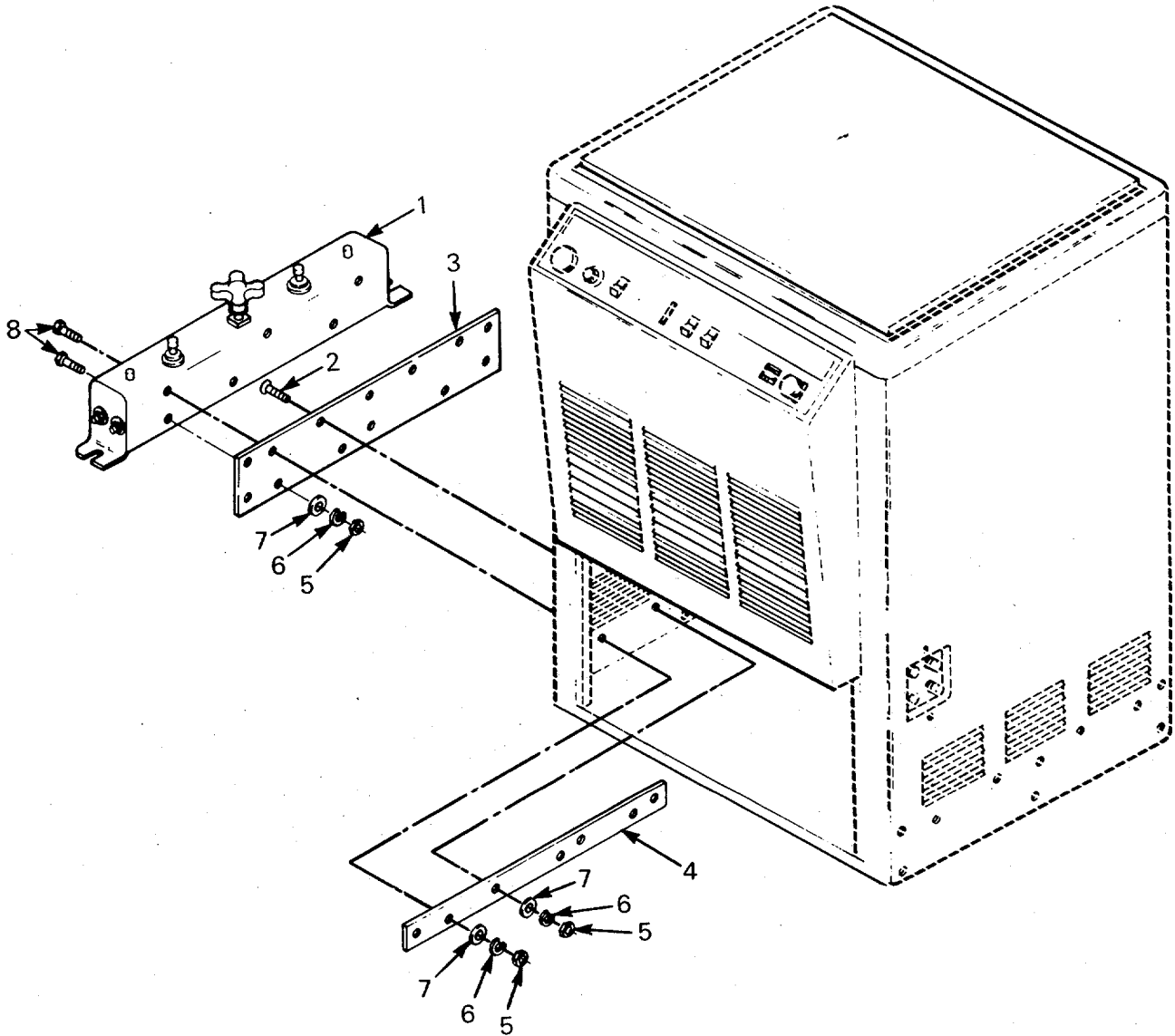


Figure 21. Flip-Top Platemaker (sheet 1 of 2)

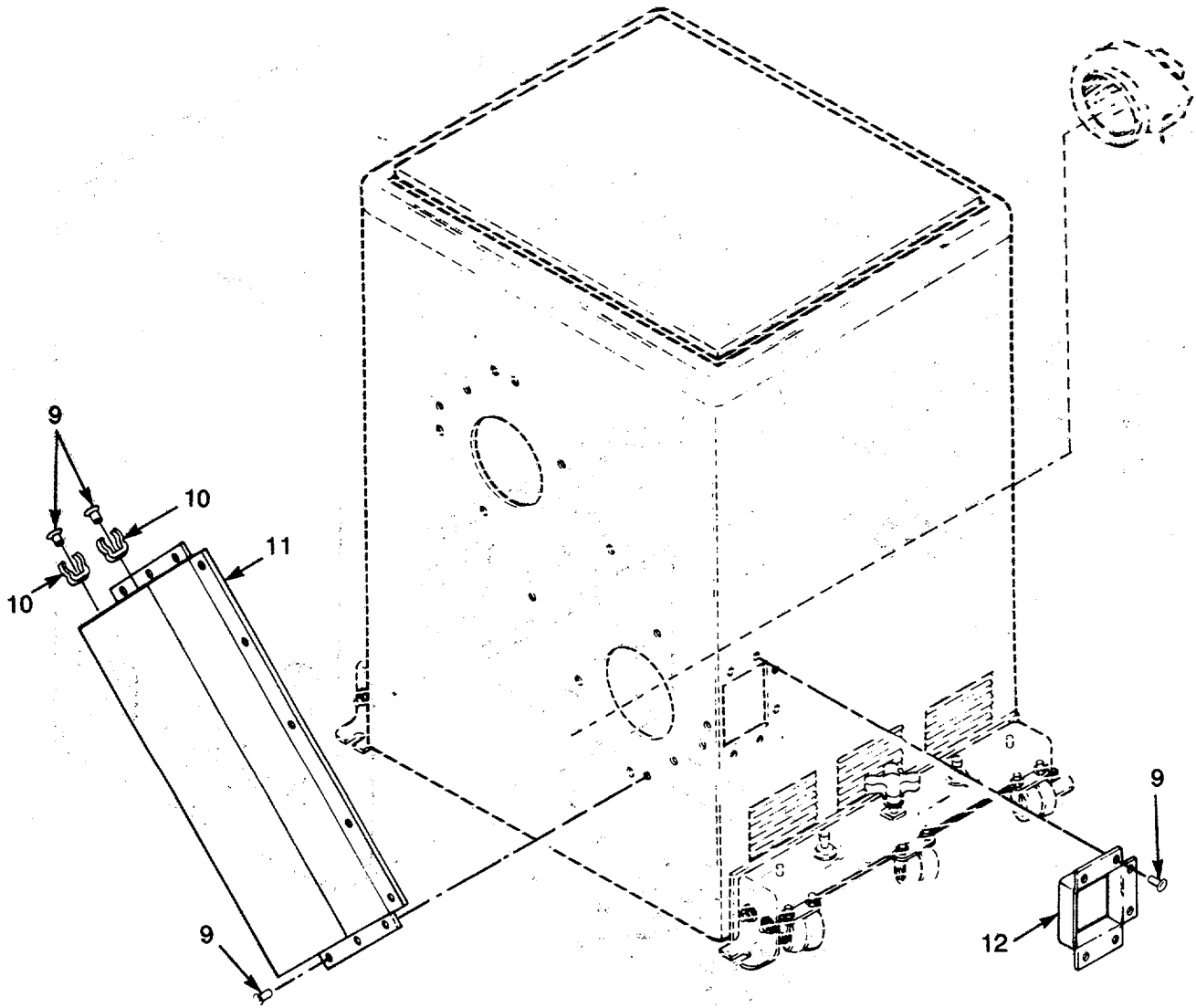


Figure 21. Flip-Top Platemaker (sheet 2 of 2)

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 09 FLIP-TOP PLATEMAKER FIG. 21 FLIP-TOP PLATEMAKER | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|--|------------|
| 1 | XDOOO | 81337 | 5-13-5186 | PLATEMAKER, FLIP-TOP | 1 |
| 2 | XDOOO | 81337 | 5-13-4703-5 | .TRANSPORTER ASSY | 2 |
| 3 | XDOZZ | 88044 | AN505-416R18 | .SCREW, COUNTERSUNK | 14 |
| 4 | XDOZZ | 81337 | 5-13-5187 | .PLATE, ADAPTER | 2 |
| 5 | XDOZZ | 81337 | 5-13-5188 | .PLATE, STIFFENER | 2 |
| 6 | XDOZO | 96906 | MS35649-2252 | .NUT, PLAIN, HEXAGON | 28 |
| 7 | XDOZZ | 96906 | AN935-416 | .WASHER, LOCK | 28 |
| 8 | XDOZZ | 96906 | MS15795-410 | .WASHER, FLAT | 28 |
| 9 | XDOZZ | 96906 | MS90725-10 | .SCREW, HEX | 12 |
| 10 | XDOZZ | 75536 | 10640792-1 | .RIVET, BLIND | 22 |
| 11 | XDOZZ | 39428 | 1723A2 | .CLIP, SPRING | 2 |
| 12 | XDOZZ | 81337 | 5-13-5190 | .DUCT, EXHAUST FAN | 1 |
| 13 | XDOZZ | 81337 | 5-13-5189 | .VENT, EXHAUST FAN | 1 |

END OF FIGURE

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 09 FLIP-TOP PLATEMAKER FIG. 22 TRANSPORTER ASSEMBLY | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1 | XDOZZ | 81337 | 5-13-4704-5 | ..HSING, TRANSPORTER | 1 |
| 2 | XDOZZ | 96906 | MS51095-303 | ..SCREW, HEX, CAD PL | 4 |
| 3 | XDOZZ | 81337 | 5-13-4711 | ..STOP, CASTER BAR | 2 |
| 4 | XDOZZ | 96906 | MS16998-74 | ..SCREW, CAP, SOCKET HE | 2 |
| 5 | XDOZZ | 96906 | MS15795-417 | ..WASHER, FLAT | 2 |
| 6 | XDOZZ | 96906 | MS15795-414 | ..WASHER, FLAT | 2 |
| 7 | XDOZZ | 81337 | 5-13-4705-5 | ..BAR, CASTER | 1 |
| 8 | XDOZZ | 81337 | 5-13-4712 | ..DECAL | 2 |
| 9 | XDOZZ | 81337 | 5-13-4759 | ..DECAL | 1 |
| 10 | XDOZZ | 81337 | 5-13-4758 | ..DECAL | 1 |

END OF FIGURE

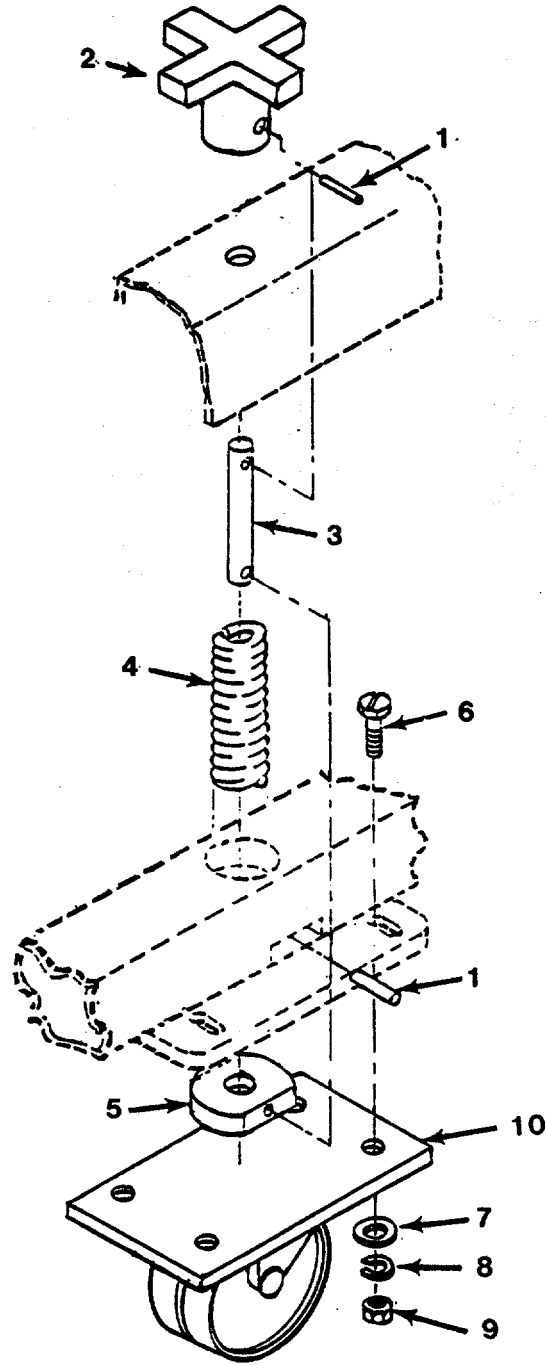


Figure 23. Transporter Wheel Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 09 FLIP-TOP PLATEMAKER | (6) QTY |
|---|--------------------|--------------|-----------------------|---|------------|
| FIG. 23 TRANSPORTER WHEEL ASSEMBLY | | | | | |
| 1 | XDOZZ | 96906 | MS16556-29 | ..PIN, ST | 2 |
| 2 | XDOZZ | 81337 | 5-13-4715 | ..KNOB | 1 |
| 3 | XDOZZ | 81337 | 5-13-4716 | ..STUD | 1 |
| 4 | PAOZZ | 39428 | 9620K24 | ..SPRING, HELICAL, COMP | 3 |
| 5 | XDOZZ | 81337 | 5-13-4708 | ..WASHER, GUIDE | 1 |
| 6 | XDOZZ | 96906 | MS51849-95 | ..SCREW, MACHINE | 12 |
| 7 | XDOZZ | 96906 | MS15795-410 | ..WASHER, FLAT | 12 |
| 8 | XDOZZ | 96906 | MS35338-44 | ..WASHER, LOCK | 12 |
| 9 | XDOZZ | 96906 | MS35649-2252 | ..NUT, PLAIN, HEXAGON | 12 |
| 10 | XDOZZ | 25472 | 13-40-XKN | ..CASTER, PIANO | 3 |

END OF FIGURE

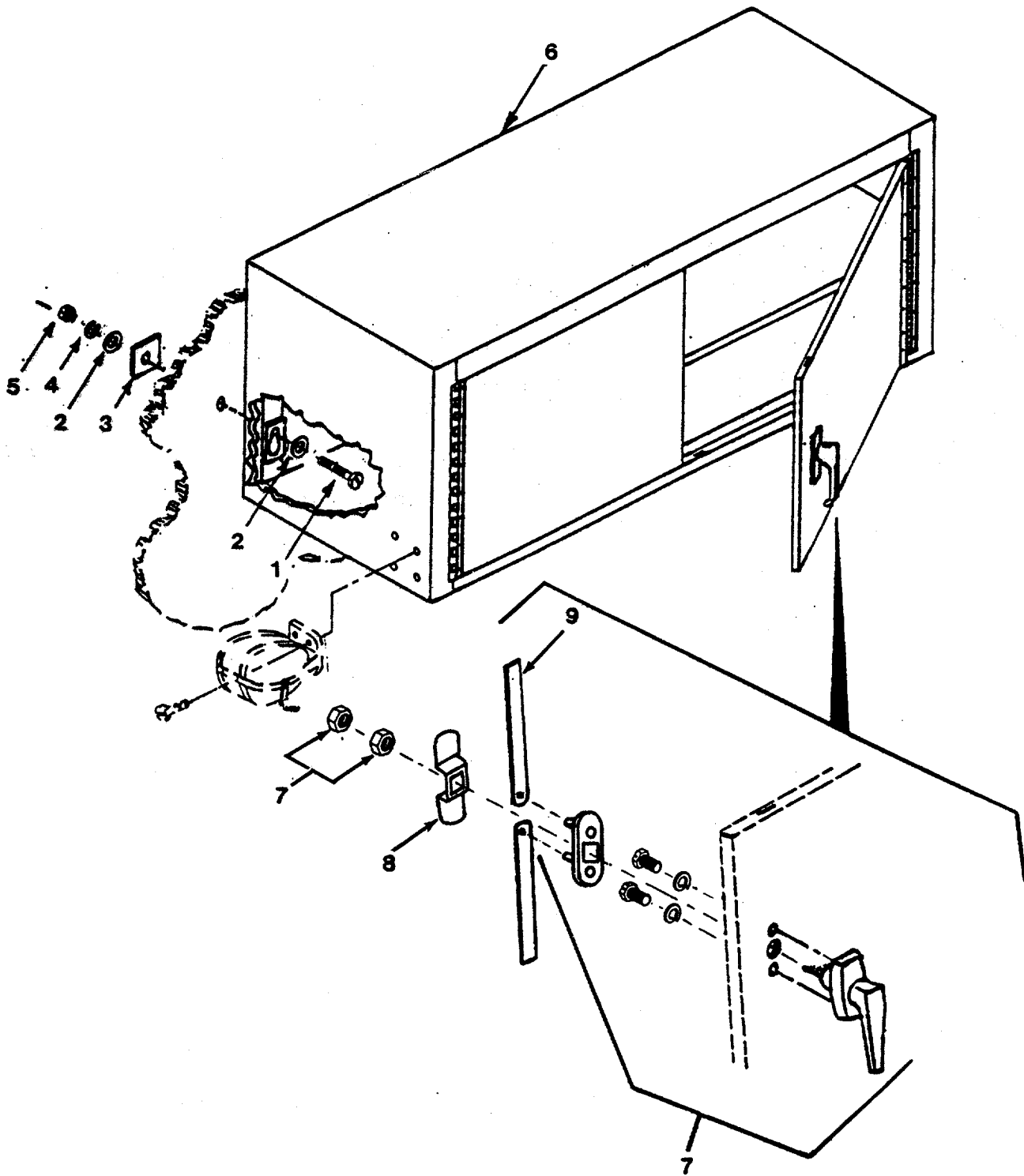


Figure 24. Wall Cabinet Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 10 WALL CABINET ASSEMBLY FIG. 24 WALL CABINET ASSEMBLY | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|--|------------|
| 1 | XDOZZ | 96906 | MS90725-17 | .SCREW, CAP HEX HD | 16 |
| 2 | XDOZZ | 96906 | MS27183-10 | .WASHER, FLAT | 32 |
| 3 | XDOZZ | 81337 | 6-1-7547-6 | .PLATE, WASHER, EXT | 16 |
| 4 | XDOZZ | 96906 | MS35338-44 | .WASHER, LOCK | 16 |
| 5 | XDOZZ | 96906 | MS35649-2252 | .NUT, PLAIN, HEXAGON | 16 |
| 6 | XDOOO | 81337 | 6-1-7539 | .CABINET, STORAGE | 4 |
| 7 | XDOZZ | 42689 | 68-090 | ..LATCH, DOOR | 4 |
| 8 | XDOZZ | 42689 | 60-016-24TYPEF | ..PLATE, LATCH | 4 |
| 9 | XDOZZ | 81337 | 6-1-7503-17 | ..ARM, CATCH | 8 |

END OF FIGURE

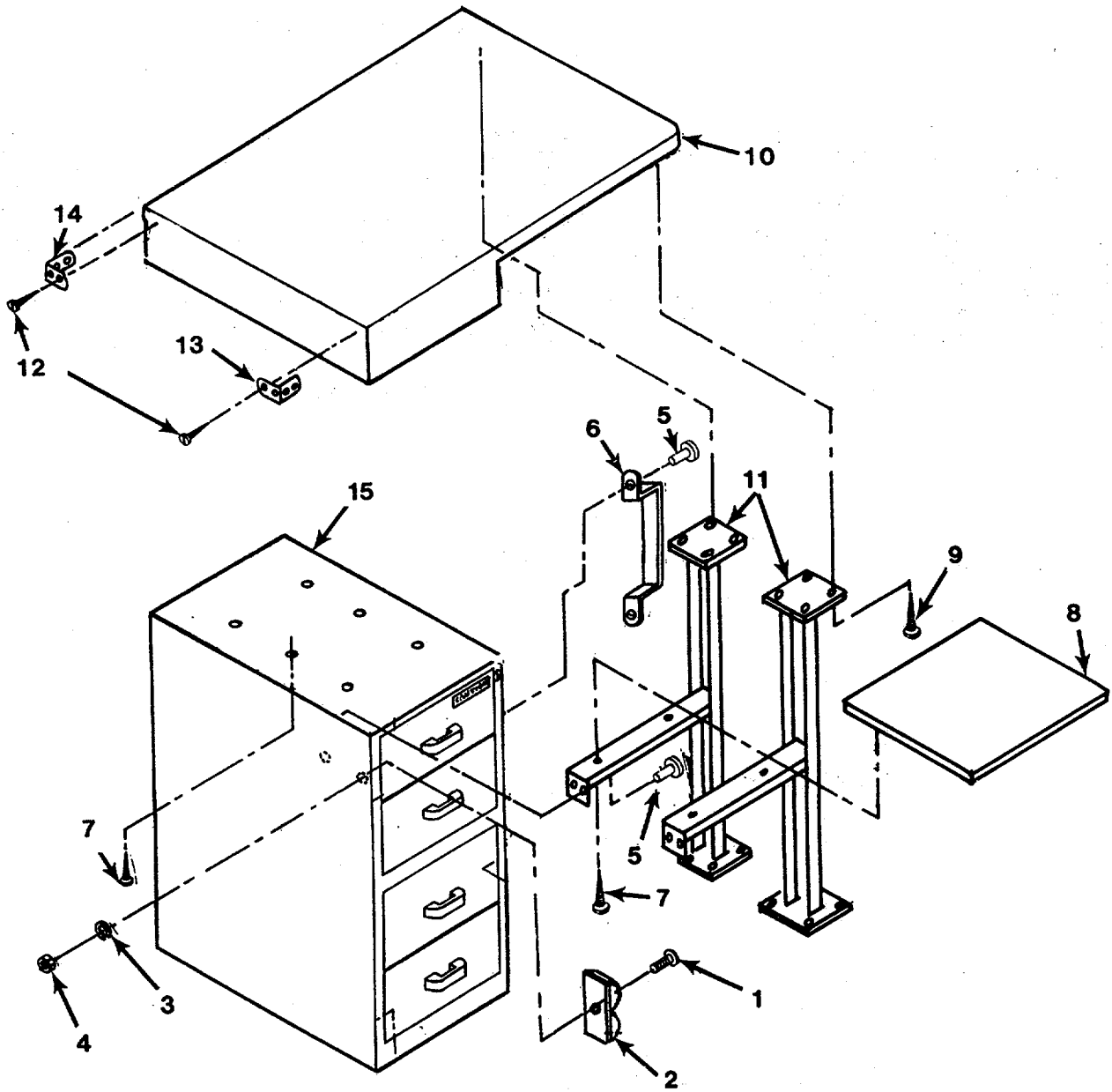


Figure 25. Pedestal Drawer Table Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 11 DRAWER TABLE ASSEMBLY | (6) QTY |
|---|--------------------|--------------|-----------------------|---|------------|
| FIG. 25 PEDESTAL DRAWER TABLE ASSEMBLY | | | | | |
| 1 | XDOZZ | 96906 | MS35206-261 | .SCREW, MACHINE | 2 |
| 2 | XDOZZ | 81337 | 5-4-5106 | .CLIP, SPRING TENSION | 2 |
| 3 | XDOZZ | 96906 | MS35335-32 | .WASHER, LOCK | 2 |
| 4 | XDOZZ | 96906 | MS35649-202 | .NUT, PLAIN, HEXAGON | 2 |
| 5 | XDOZZ | 81349 | M24243/3B404 | .RIVET, BLIND | 8 |
| 6 | XDOZZ | 96906 | MS51939-2 | .LOOP, STRAP FASTENER | 2 |
| 7 | XDOZZ | 96906 | MS24617-46 | .SCREW, TAP | 6 |
| 8 | XDOZZ | 81337 | 5-13-4870 | .SHELF ASSY | 1 |
| 9 | XDOZZ | 96906 | MS51861-47 | .SCREW, TAPPING, THREA | 14 |
| 10 | XDOZZ | 81337 | 5-13-4871 | .TABLE TOP ASSY | 1 |
| 11 | XDOZZ | 81337 | 5-13-4869 | .LEG, SPT, ASSY | 2 |
| 12 | XDOZZ | 96906 | MS51861-37 | .SCREW, TAPPING, THREA # 8 X .75 | 8 |
| 13 | XDOZZ | 97403 | 13226E7806 | .BUMPER, CORNER | 1 |
| 14 | XDOZZ | 81337 | 5-13-4877 | .BUMPER, CORNER | 1 |
| 15 | XDOZZ | 81337 | 5-13-4868-1 | .CABINET, PED | 1 |

END OF FIGURE

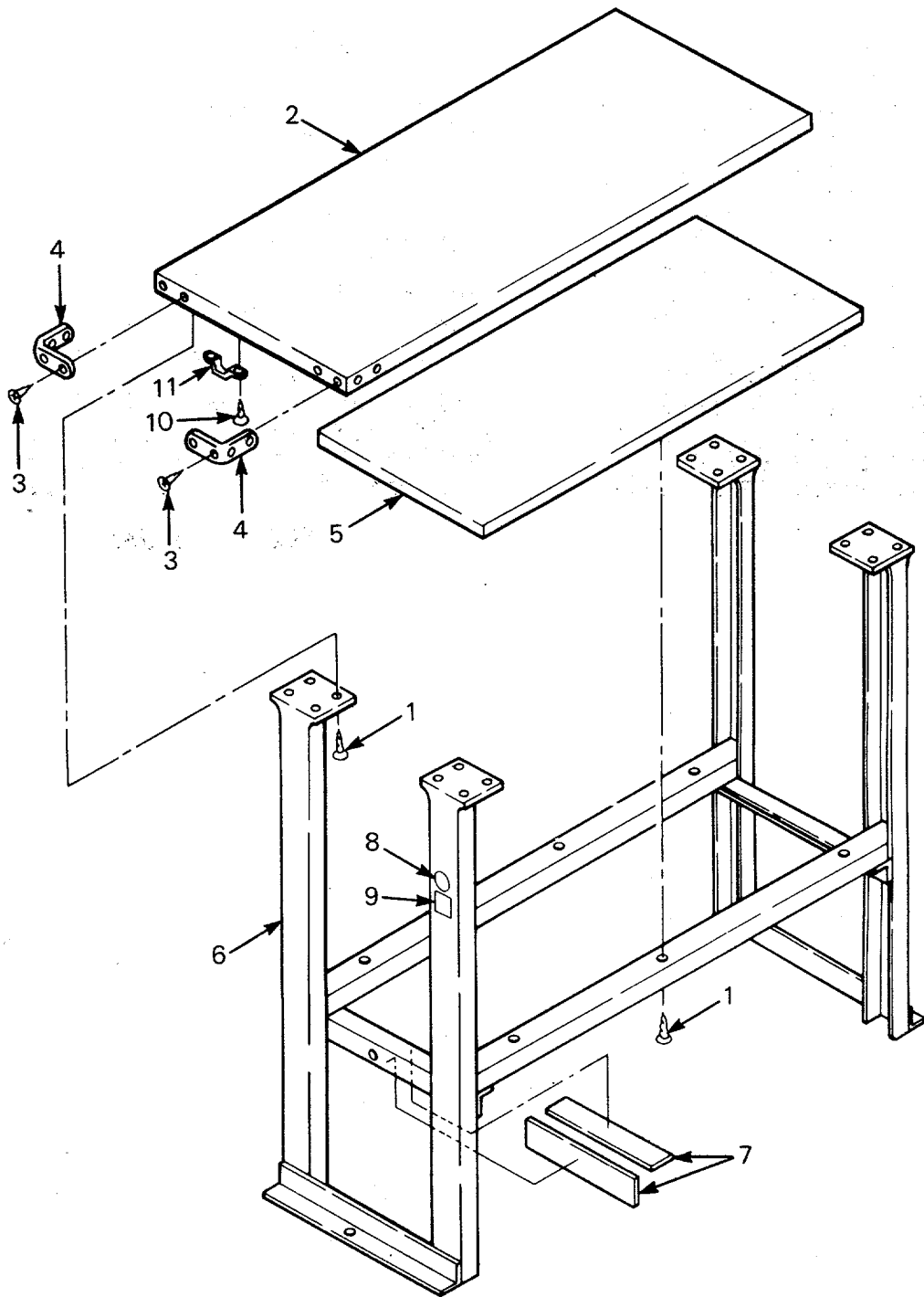


Figure 26. Shelf Table Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 12 SHELF TABLE ASSEMBLY FIG. 26 SHELF TABLE ASSEMBLY | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|--|------------|
| | | PDOOO 81337 | 5-13-4857 | TABLE, WORK | 1 |
| 1 | XDOZZ | 96906 | MS51861-37 | .SCREW, TAPPING, THREA | 22 |
| 2 | XDOZZ | 81337 | 5-13-4858 | .TABLETOP ASSY | 1 |
| 3 | XDOZZ | 96906 | MS51861-37 | ..SCREW, TAPPING, THREA *8 X .75 | 8 |
| 4 | XDOZZ | 97403 | 13226E7806 | ..BUMPER, CORNER | 2 |
| 5 | XDOZZ | 81337 | 5-13-4861 | .SHELF | 1 |
| 6 | XDOZZ | 81337 | 5-13-4866 | .LEGS, SPT ASSY | 1 |
| 7 | XDOZZ | 81337 | 5-13-4857-6 | .SHT, RUBBER | 2 |
| 8 | XDOZZ | 81337 | 5-13-4718 | .STENCIL, 1.5DOT, BLK | 2 |
| 9 | XDOZZ | 81337 | 5-13-4719 | .STENCIL, 1.0, BLACK..... | 1 |
| 10 | XDOZZ | 96906 | MS51861-37 | .SCREW, TAPPING, THREA | 8 |
| 11 | XDOZZ | 96906 | MS51939-1 | LOOP, STRAP FASTENER | 4 |

END OF FIGURE

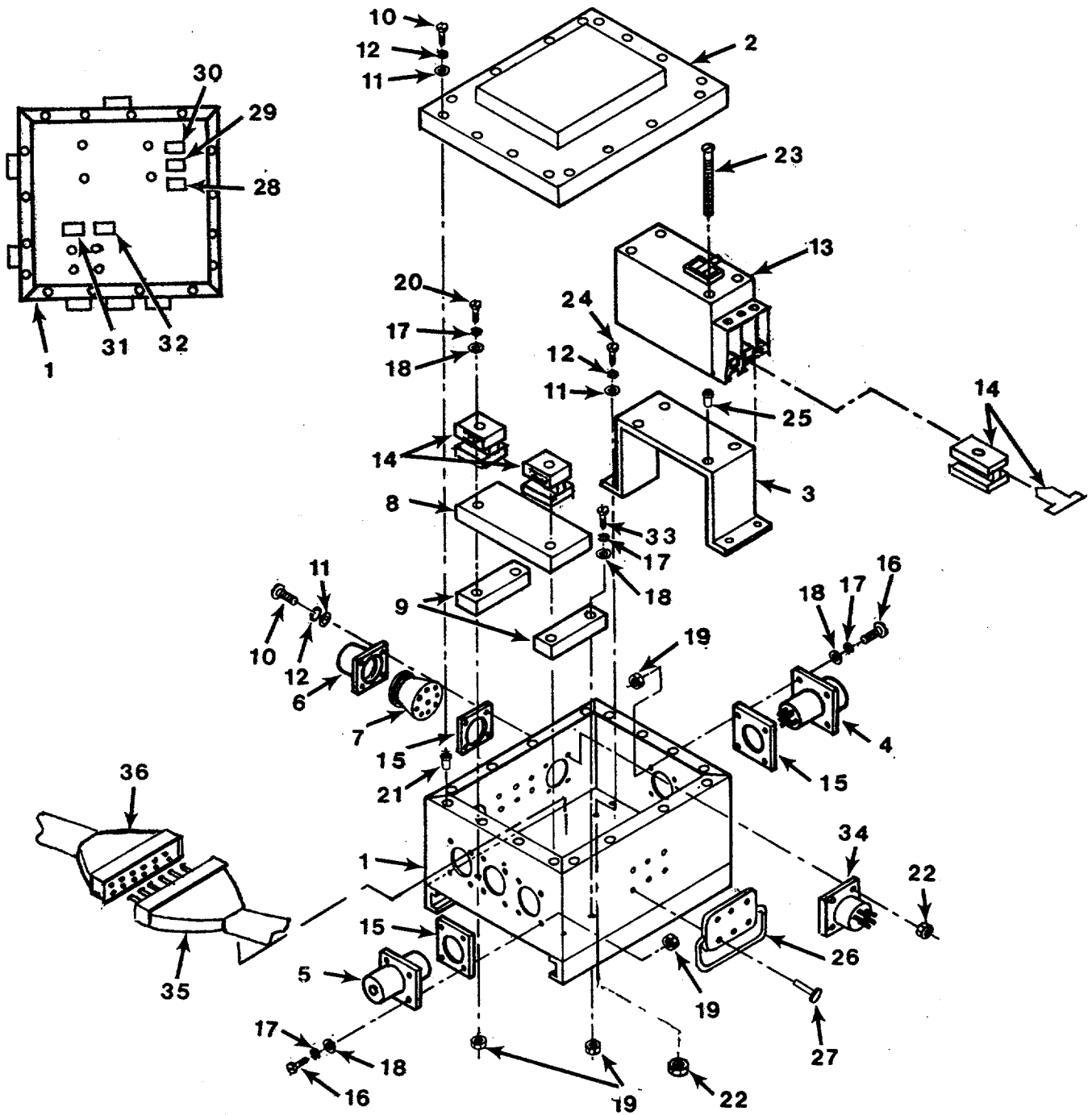


Figure 27. Power Distribution Box Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 13 POWER DISTRIBUTION BOX | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|--|------------|
| | | | | FIG. 27 POWER DISTRIBUTION BOX ASSEMBLY | |
| | | | | DISTRIBUTION BOX | 1 |
| | | | | .HOUSING, WELDMENT | 1 |
| 1 | XDDDD | 81337 | 5-13-4851 | .ASSY, CONTROL PANEL | 1 |
| 2 | XDOOO | 81337 | 5-13-4842 | .SPT, CKT BKR | 1 |
| 3 | XDDZZ | 81337 | 5-13-4838 | .CONN, REC | 1 |
| 4 | XDDZZ | 96906 | MS90558-C52413P | .CONN, REC | 3 |
| 5 | XDDZZ | 96906 | MS90555-C44412S | .SHELL, ELECTRICAL CO | 2 |
| 6 | PADZZ | 49367 | ZZMWB1516 | .INSERT, ELECTRICAL C | 2 |
| 7 | PADZA | 49367 | ZZM16-23S | .SPT, NEU & GND | 1 |
| 8 | XDDZZ | 81337 | 5-13-4741-2 | .SPT, NEU & GND | 2 |
| 9 | XDDZZ | 81337 | 5-13-4741-1 | .SCREW, MACHINE | 24 |
| 10 | XDOZZ | 96906 | MS35207-263 | .WASHER, FLAT | 28 |
| 11 | XDOZZ | 96906 | MS15795-408 | .WASHER, LOCK | 28 |
| 12 | XDOZZ | 96906 | MS35338-43 | .CIRCUIT BREAKER 250 AMP | 1 |
| 13 | PBOZZ | 56365 | KAL3625032M | .CONNECTOR | 6 |
| 14 | XDOZZ | 56365 | PDC6KA4 | .GASKET | 5 |
| 15 | XDOZZ | 81337 | 5-13-4836-15 | .SCREW, CAP, HEXAGON H | 16 |
| 16 | XDOZZ | 96906 | MS90725-6 | .WASHER, LOCK | 20 |
| 17 | XDOZZ | 96906 | MS35338-44 | .WASHER, FLAT | 20 |
| 18 | XDOZZ | 96906 | MS15795-509 | .NUT, PLAIN, HEXAGON | 20 |
| 19 | XDOZZ | 96906 | MS35649-2252 | .SCREW, CAP | 3 |
| 20 | XDOZZ | 96906 | MS90725-13 | .NUT, BLIND, RIVET | 16 |
| 21 | XDOZZ | 96906 | MS27130-A27 | .NUT, PLAIN, HEXAGON 10-32 | 12 |
| 22 | XDOZZ | 96906 | MS35649-202 | .SCREW, MACHINE 10-32 X 1/2 | 4 |
| 23 | XDOZZ | 96906 | MS35207-264 | .SCREW, MACHINE | 4 |
| 24 | XDOZZ | 96906 | MS35206-342 | .NUT, BLIND, RIVET | 4 |
| 25 | XDOZZ | 96906 | MS27130-A20 | .HANDLE | 2 |
| 26 | XDOZZ | 98003 | H5371BA | .RIVET, BLIND | 12 |
| 27 | XDOZZ | 96906 | MS20600-B4W6 | .DECAL | 1 |
| 28 | XDOZZ | 81337 | 5-13-4845-1 | .DECAL..... | 1 |
| 29 | XDOZZ | 81337 | 5-13-4845-2 | .DECAL | 1 |
| 30 | XDOZZ | 81337 | 5-13-4845-3 | .DECAL | 1 |
| 31 | XDOZZ | 81337 | 5-13-4845-4 | .DECAL | 1 |
| 32 | XDOZZ | 81337 | 5-13-4845-5 | .DECAL | 1 |
| 33 | XDOZZ | 96906 | MS51959-84 | .SCREW, MACHINE | 2 |
| 34 | XDOZZ | 49367 | ZZM-W-2116 | .ADAPTER, PANEL BOARD | 1 |
| 35 | XDOZZ | 71785 | P-408-CCT | ..PLUG M | 1 |
| 36 | XDOZZ | 71785 | S-408-CCT | ..SOCKET | 1 |

END OF FIGURE

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 13 POWER DISTRIBUTION BOX FIG. 28 CONTROL PANEL ASSEMBLY | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|--|------------|
| 1 | PAOZZ | 55026 | 10220 | ..VOLTMETER | 1 |
| 2 | PAOZZ | 31356 | 31FX60CPS | ..FREQUENCY METER | 1 |
| 3 | PAOZZ | 91967 | 2220 | ..KNOB | 1 |
| 4 | PAOZZ | 71590 | PA1011M | ..SWITCH, ROTARY | 1 |
| 5 | PAOZZ | 72619 | 507-4537-1537-64 0 | ..LAMP, CARTRIDGE | 2 |
| 6 | PAOZZ | 72619 | 508-8745-504 | ..LIGHT, INDICATOR..... | 2 |
| 7 | PAOZZ | 96906 | MS27736-28 | ..SWITCH, TOGGLE | 1 |
| 8 | XDOZZ | 81349 | M19207/16-FHN26G 1 | ..FUSE HOLDER | 1 |
| 9 | PAOZZ | 81349 | F02A250VIA | ..FUSE, CARTRIDGE | 1 |
| 10 | XDOZZ | 96906 | MS51959-43 | ..SCREW, MACHINE | 1 |
| 11 | XDOZZ | 96906 | MS35333-72 | ..WASHER, LOCK | 1 |
| 12 | XDOZZ | 96906 | MS25281-F6 | ..CLAMP, LOOP | 1 |
| 13 | XDOZZ | 96906 | MS35649-282 | ..NUT, PLAIN, HEXAGON | 1 |
| 14 | XDOZZ | 96906 | MS51959-26 | ..SCREW, MACHINE | 4 |
| 15 | XDOZZ | 2R182 | 8343 | ..SPACER AL ROUND | 4 |
| 16 | PBOZZ | 97403 | 13225E3283 | ..PRINTED CIRCUIT BOA | 1 |
| 17 | XDOZZ | 96906 | MS35206-226 | ..SCREW, MACHINE # 6-32 X 25 | 4 |
| 18 | XDOZZ | 96906 | MS35338-41 | ..WASHER, LOCK | 4 |
| 19 | XDOZZ | 81337 | 5-13-4846-5 | ..DECAL | 1 |
| 20 | XDOZZ | 81337 | 5-13-4846-10 | ..DECAL | 1 |
| 21 | XDOZZ | 81337 | 5-13-4846-4 | ..DECAL | 1 |
| 22 | XDOZZ | 81337 | 5-13-4846-7 | ..DECAL | 1 |
| 23 | XDOZZ | 81337 | 5-13-4846-8 | ..DECAL | 1 |
| 24 | XDOZZ | 81337 | 5-13-4846-9 | ..DECAL | 1 |
| 25 | XDOZZ | 81337 | 5-13-4846-11 | ..DECAL | 1 |
| 26 | XDOZZ | 81337 | 5-13-4846-1 | ..DECAL | 1 |
| 27 | XDOZZ | 81337 | 5-13-4846-6 | ..DECAL | 1 |
| 28 | XDOZZ | 81337 | 5-13-4844 | ..DECAL | 1 |
| 29 | XDOZZ | 81337 | 5-13-4843 | ..DECAL | 1 |
| 30 | XDOZZ | 81337 | 5-13-4839 | ..DECAL | 1 |

END OF FIGURE

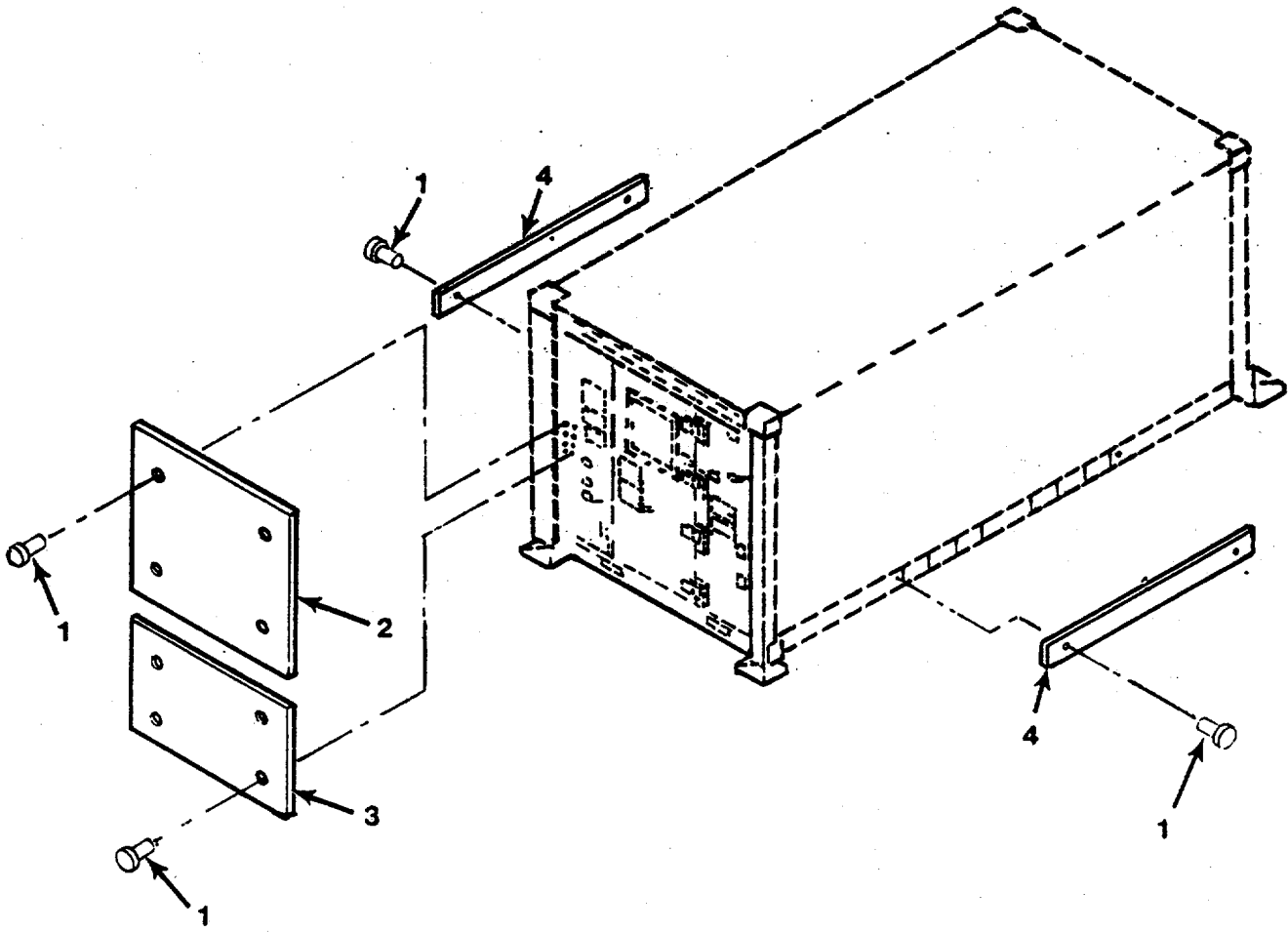


Figure 29. Outside Shelter Modifications

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 14 SHELTER, ISO | (6) QTY |
|--|--------------------|--------------|-----------------------|--|------------|
| FIG. 29 OUTSIDE SHELTER MODIFICATIONS | | | | | |
| | XCOOO | 81337 | 5-13-5025 | SHELTER, OUTSIDE MOD | 1 |
| 1 | XDOZZ | 96906 | MS20604-B4T6 | .RIVET, BLIND, .12 | 8 |
| 2 | XDOZZ | 81337 | 5-13-5026 | .DATA PLATE | 1 |
| 3 | XDOZZ | 81337 | 5-13-5029 | .DATA PLATE | 1 |
| 4 | XDOZZ | 81337 | 5-13-5063 | .PLATE, COVER | 2 |
| END OF FIGURE | | | | | |

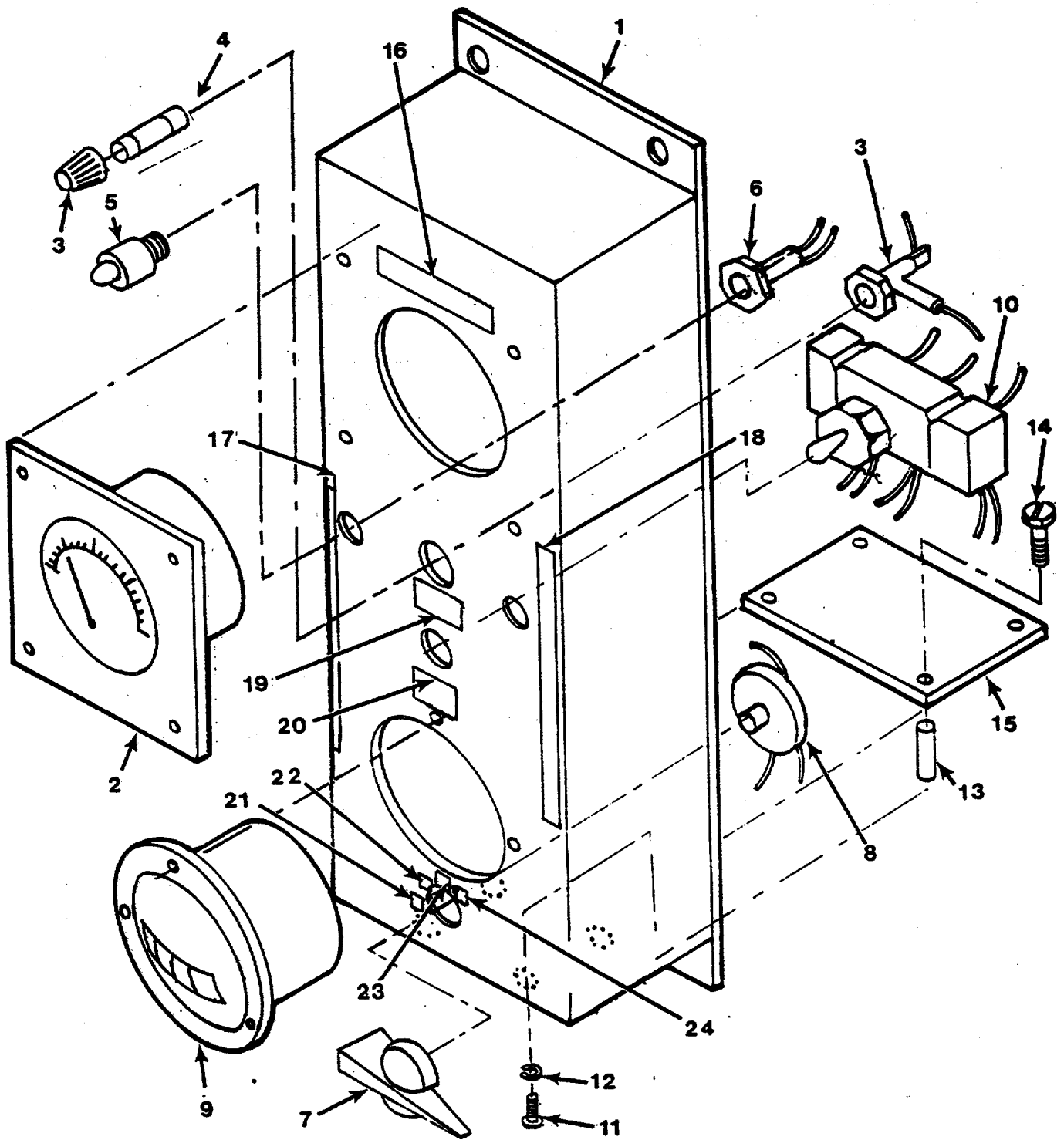


Figure 30. Phase Meter

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 15 PHASE MONITOR METER FIG. 30 PHASE METER | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|--|------------|
| | PFOOO | 81337 | 5-13-4784 | PHASEMETER | 1 |
| 1 | XDOZZ | 81337 | 5-13-4785 | .BOX, PH METER | 1 |
| 2 | PAOZZ | 55026 | 10220 | .VOLTMETER | 1 |
| 3 | XDOZZ | 81349 | M19207/16-FHN26G | .FUSE HOLDER | 1 |
| 4 | PAOZZ | 81349 | F02A250V1A | .FUSE, CARTRIDGE | 1 |
| 5 | PAOZZ | 72619 | 508-8745-504 | .LIGHT, INDICATOR | 2 |
| 6 | PAOZZ | 07294 | CN04WCSN114 | .LAMP, CARTRIDGE | 2 |
| 7 | XDOZZ | 83330 | 2220 | .KNOB, POINTER | 1 |
| 8 | PAOZZ | 71590 | PA-1001M | .SWITCH, ROTARY | 1 |
| 9 | PAOZZ | 31356 | 31FX60CPS | .FREQUENCY METER | 1 |
| 10 | PAOZZ | 96906 | MS27736-28 | .SWITCH, TOGGLE | 1 |
| 11 | XDOZZ | 96906 | MS35206-226 | .SCREW, MACHINE *6-32 X .25 | 4 |
| 12 | XDOZZ | 96906 | MS35338-41 | .WASHER, LOCK | 4 |
| 13 | XDOZZ | 2R182 | 8345 | .SPACER, AL ROUND 25 X .75 LG, 6-..... 32 TAD THRU..... | 4 |
| 14 | XDOZZ | 96906 | MS51959-26 | .SCREW, MACHINE 82 DEG, CROSS-..... .RECESSED, *6-32 X .25..... | 4 |
| 15 | PBOZZ | 97403 | 13225E3283 | .PRINTED CIRCUIT BOA | 1 |
| 16 | XDOZZ | 81337 | 5-13-4846-1 | .DECAL | 1 |
| 17 | XDOZZ | 81337 | 5-13-4846-2 | .DECAL | 1 |
| 18 | XDOZZ | 81337 | 5-13-4846-3 | .DECAL | 1 |
| 19 | XDOZZ | 81337 | 5-13-4846-4 | .DECAL | 1 |
| 20 | XDOZZ | 81337 | 5-13-4846-5 | .DECAL | 1 |
| 21 | XDOZZ | 81337 | 5-13-4846-6 | .DECAL | 1 |
| 22 | XDOZZ | 81337 | 5-13-4846-7 | .DECAL | 1 |
| 23 | XDOZZ | 81337 | 5-13-4846-8 | .DECAL | 1 |
| 24 | XDOZZ | 81337 | 5-13-4846-9 | .DECAL | 1 |

END OF FIGURE

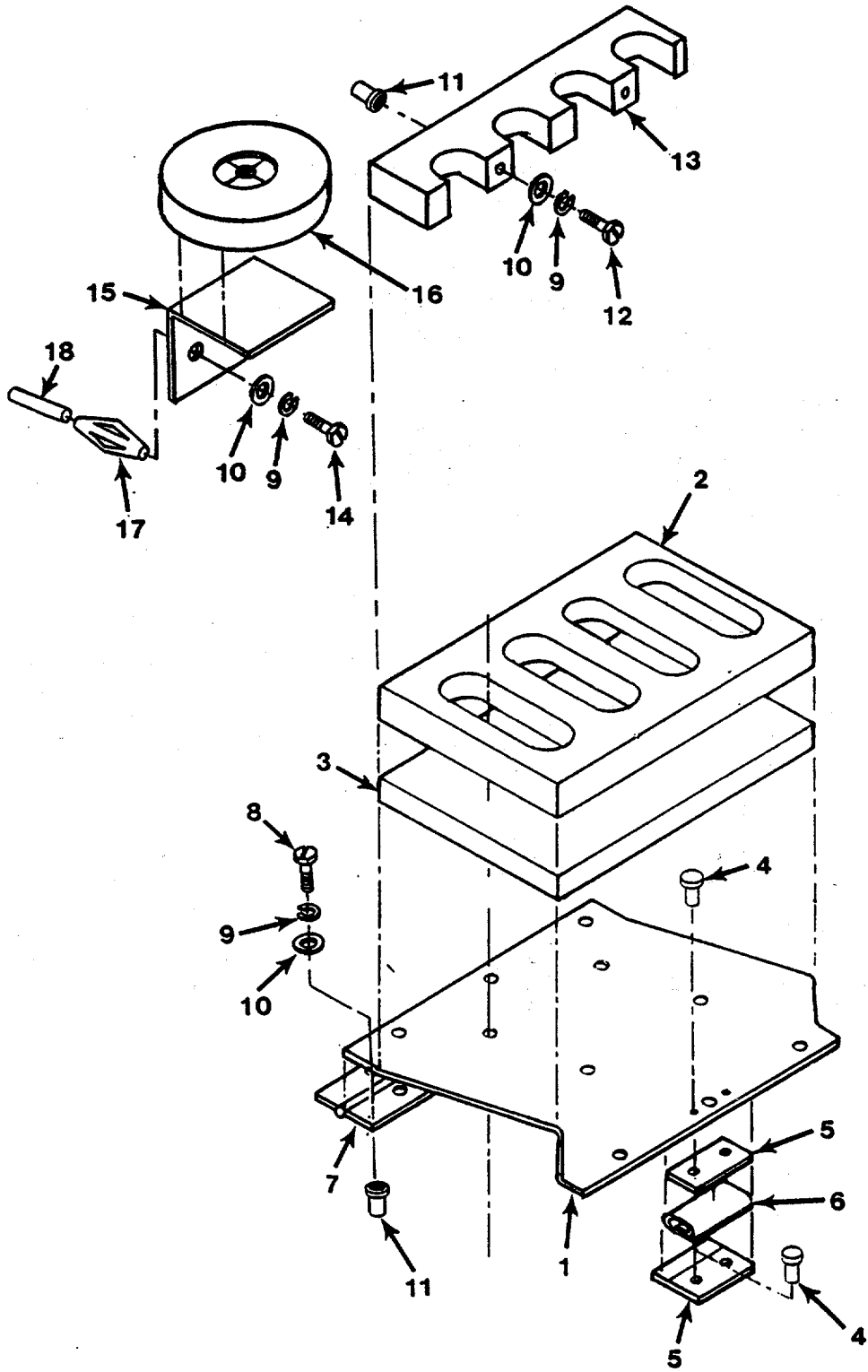


Figure 31. Weapons Rack Installation

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 16 RIFLE RACK ASSEMBLY FIG. 31 WEAPONS RACK INSTALLATION | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|--|------------|
| 1 | XDOOO | 81337 | | 5-13-4775.....RACK, STORAGE, SMALL | 1 |
| 2 | XDOZZ | 97403 | 13226E4527 | . BASE, WEAPONS RACK | 1 |
| 3 | XDOZZ | 81337 | 5-13-4775-3 | . SHT, RUBBER | 2 |
| 4 | XDOZZ | 96906 | MS20600/MP4W6 | . RIVET, BLIND 125, .12-.37 GRIP..... | 2 |
| 5 | XDOZZ | 81337 | 5-13-4776 | . SPT STRIP | 1 |
| 6 | XDOZZ | 81349 | MIL-F-21840 | . FASTNER, TAPE, PILE TYPE 1, CLASS 2..... | 1 |
| 7 | XDOZZ | 96906 | MS35822-9 | . HINGE, AL 093, 14 X 1.06..... | 1 |
| 8 | XDOZZ | 96906 | MS35206-264 | . SCREW, MACHINE | 7 |
| 9 | XDOZZ | 96906 | MS35338-43 | . WASHER, LOCK..... | 11 |
| 10 | XDOZZ | 96906 | MS15795-442 | . WASHER, FLAT | 11 |
| 11 | XDOZZ | 96906 | MS27130-419 | . NUT, BLIND, RIVET | 9 |
| 12 | XDOZZ | 96906 | MS35206-270 | . SCREW, MACHINE | 2 |
| 13 | XDOZZ | 81337 | 5-13-5027 | . RACK, WEAPONS..... | 1 |
| 14 | XDOZZ | 96906 | MS35207-267 | . SCREW, MACHINE | 2 |
| 15 | XDOZZ | 81337 | 5-13-5016 | . BRACKET, LEVEL-ALL..... | 1 |
| 16 | XDOZZ | 84120 | 05-0065-00 | . LEVEL, CIRCULAR..... | 1 |
| 17 | XDDZZ | 81337 | 5-4-4935 | . EXPANDER | 2 |
| 18 | XDDZZ | 81337 | 5-4-4928 | . SLEEVE..... | 2 |

END OF FIGURE

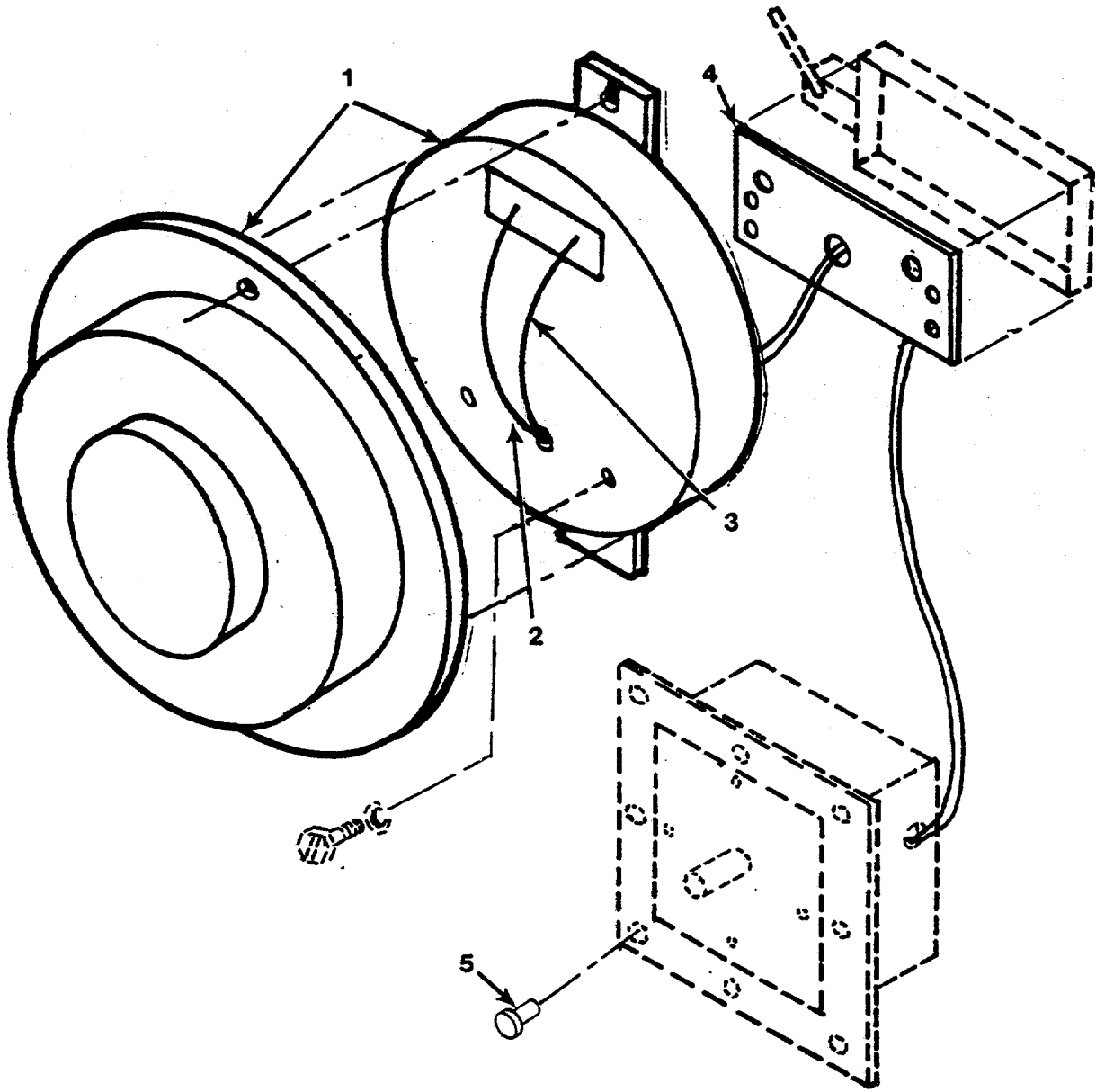


Figure 32. Blackout Buzzer Installation

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
|-------------------|--------------------|--------------|-----------------------|---|------------|

GROUP 17 BLACKOUT BUZZER ASSEMBLY

FIG. 32 BLACKOUT BUZZER
INSTALLATION

| | | | | | |
|---|-------|-------|----------------|---------------------------------|----|
| | XCOOO | | 81337 | 5-13-4789..... BLACKOUT BUZ MOD | 1 |
| 1 | PAOZZ | 19557 | 340-4N5 | .BELL, ELECTRICAL..... | 1 |
| 2 | XDOZZ | 81349 | M16878/5BGEO | .WIRE, ELEC, BLK, 20AWG | V |
| 3 | XDOZZ | 81349 | M16878/5BGEO | .WIRE, ELEC, WH, 20AWG | V |
| 4 | XDOZZ | 81337 | 6-1-5888-2 | .PLATE, BLACKOUT..... | 1 |
| 5 | XDOZZ | 81349 | M24243/6-A403H | .RIVET, BLIND | 10 |

END OF FIGURE

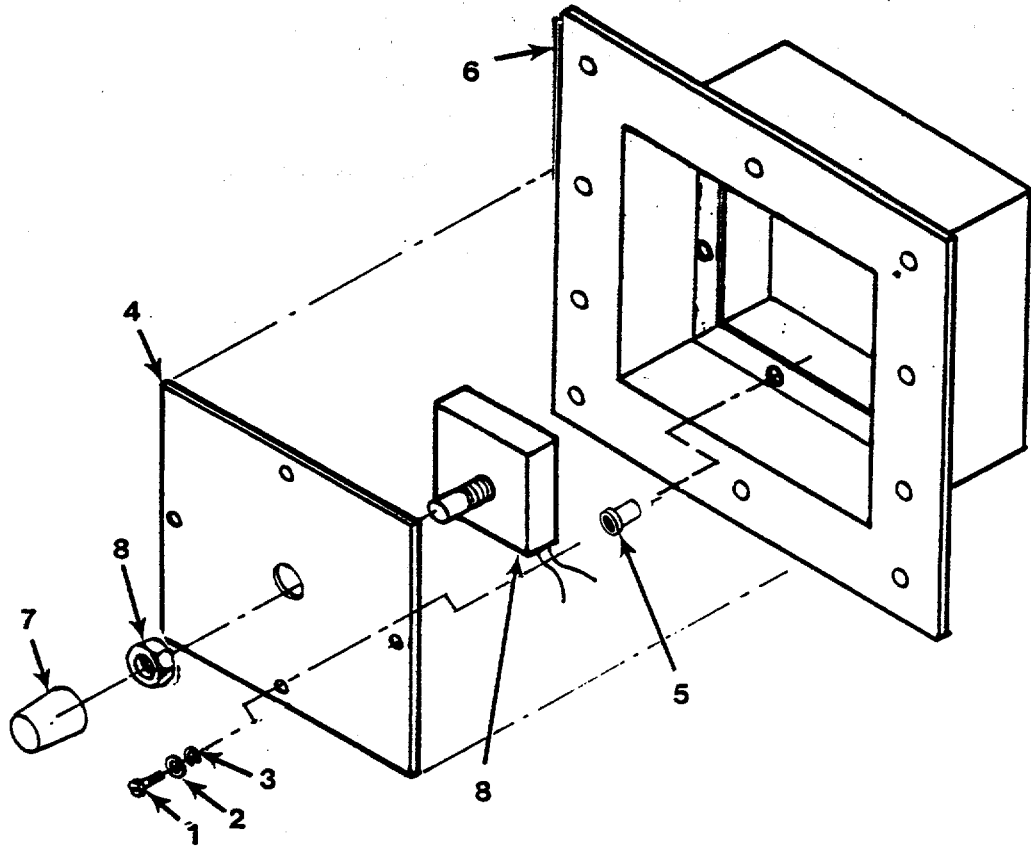


Figure 33. Blackout Switch Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 17 BLACKOUT BUZZER ASSEMBLY FIG. 33 BLACKOUT SWITCH ASSEMBLY | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|--|------------|
| 1 | XDOZZ | 96906 | MS35206-245 | ..SCREW, MACHINE *8-32 X .5 | 4 |
| 2 | XDOZZ | 96906 | MS15795-407 | ..WASHER, FLAT, *8 | 4 |
| 3 | XDOZZ | 96906 | MS35338-42 | ..WASHER, LOCK | 4 |
| 4 | XDOZZ | 81337 | 5-13-4990 | ..CVR, HSNB BLACKOUT SW | 1 |
| 5 | XDOZZ | 96906 | MS27130-A13 | ...NUT, PLAIN, BLIND RIV | 4 |
| 6 | XDOZZ | 81337 | 5-13-4989 | ..HSNB, BLACKOUT SW | 1 |
| 7 | PAOZZ | 5F993 | 23F5658 | ..BOOT, DUST AND MOIST | 1 |
| 8 | PAOZZ | 22003 | 343-0001 | ..SWITCH, PUSH | 1 |

END OF FIGURE

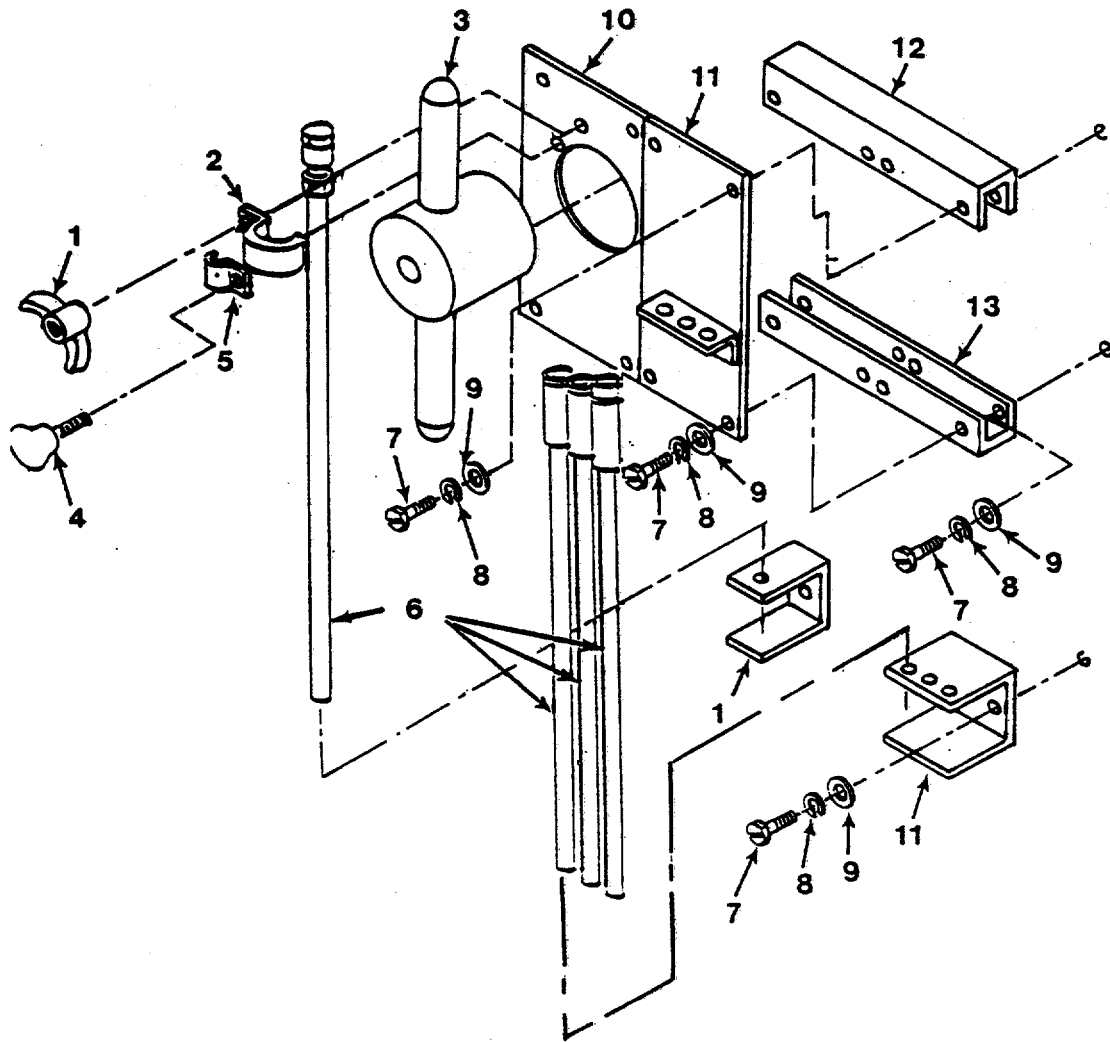


Figure 34. Slide Hammer and Grounding Rod Installation

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 18 MISCELLANEOUS SUPPORT ITEMS | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| | | | | FIG. 34 SLIDE HAMMER AND GROUND ROD INSTALLATION | |
| | XDOOO | 81337 | | 5-13-4977..... SLIDEHAMMER&GND ROD | 1 |
| 1 | XDOZZ | 96906 | MS35425-70 | .NUT, PLAIN, WING..... | 1 |
| 2 | XDOZZ | 97403 | 13227E5735 | .CLIP, SLIDE HAMMER | 1 |
| 3 | XDOZZ | 45225 | P74-144 | .SLIDE HAMMER, GROUND | 1 |
| 4 | XDOZZ | 96906 | MS21316-23 | .THUMBSCREW | 1 |
| 5 | XDOZZ | 96906 | MS35140-6 | .STRAP, RET | 1 |
| 6 | PAOZZ | 82370 | A104 | .ROD, GROUND | 1 |
| 7 | XDOZZ | 96906 | MS90728-8 | .SCREW, CAP, HEXAGON H | 8 |
| 8 | XDOZZ | 96906 | MS35338-44 | .WASHER, LOCK..... | 8 |
| 9 | XDOZZ | 96906 | MS15795-410 | .WASHER, FLAT | 8 |
| 10 | XDOOD | 97403 | 13226E7922 | .BRACKET ASSY, SL HAM..... | 1 |
| 11 | XDOZZ | 97403 | 13225E3143 | .BRKT ASSY, GND ROD | 1 |
| 12 | XDOZZ | 97403 | 13227E5689-1 | .BRACKET, MTG | 1 |
| 13 | XDOZZ | 97403 | 13227E5689-2 | .BRACKET, MTG | 1 |

END OF FIGURE

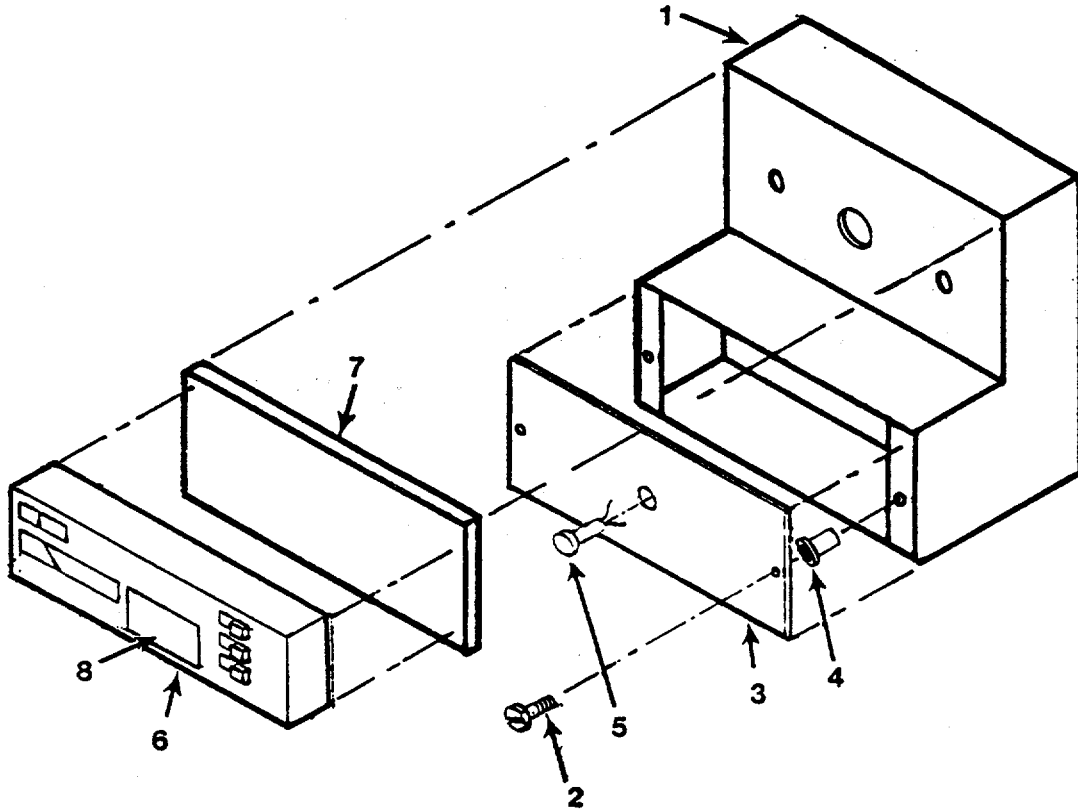


Figure 35. Thermostat Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
|-------------------|--------------------|--------------|-----------------------|---|------------|

GROUP 18 MISCELLANEOUS SUPPORT ITEMS

FIG. 35 THERMOSTAT ASSEMBLY

| | | | | | |
|---|-------|-------|--------------|-------------------------------|---|
| 1 | XDOZZ | 81337 | 5-13-4973 | ..BOX, THERMOSTAT | 1 |
| 2 | XDOZZ | 96906 | MS35206-243 | ..SCREW, MACHINE | 2 |
| 3 | XDOZZ | 81337 | 5-13-4974 | ..LID, THERMOSTAT BOX..... | 1 |
| 4 | XDOZZ | 96906 | MS27130-A13 | ..NUT, PLAIN, BLIND RIV | 2 |
| 5 | PAOZZ | 72619 | 508-8738-504 | ..LIGHT, INDICATOR | 1 |
| 6 | XDOZZ | 4R884 | HP11-51 | ..THERMOSTAT | 1 |
| 7 | XDOZZ | 52359 | Q674L1181 | ..SUB-BASE, THERMOSTAT..... | 1 |
| 8 | XDOZZ | 81337 | 5-13-4976 | ..DECAL..... | 1 |

END OF FIGURE

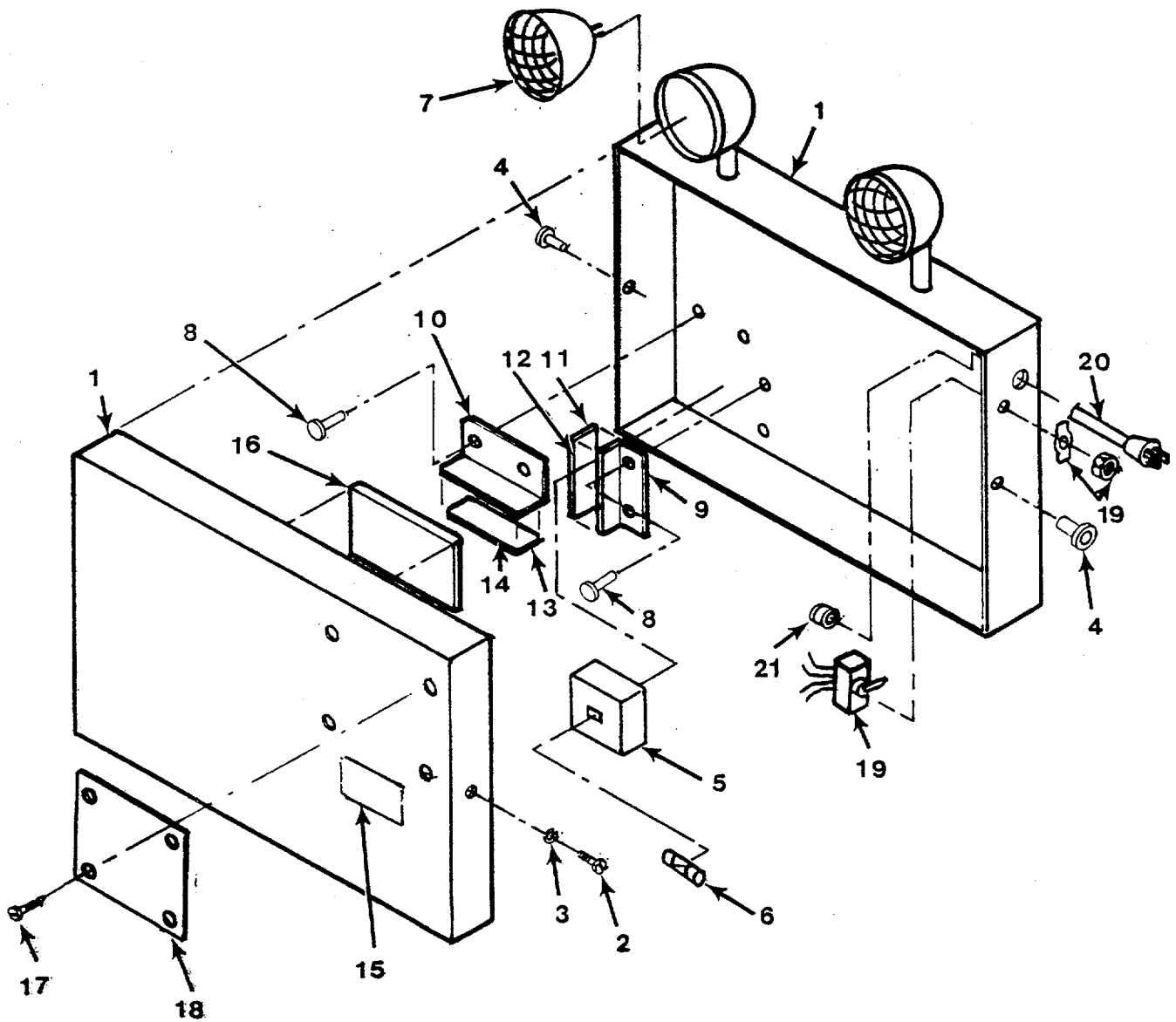


Figure 36. Emergency Light Installation

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|--------------------|--------------|-----------------------|---|------------|
| GROUP 18 MISCELLANEOUS SUPPORT ITEMS | | | | | |
| FIG. 36 EMERGENCY LIGHT INSTALLATION | | | | | |
| 1 | XDOOO | | 81337 | 5-13-4781.....EMERG LT, MODULE | 1 |
| 2 | XDOZZ | 96906 | MS35206-263 | ..SCREW, MACHINE *10-24 X .5..... | 2 |
| 3 | XDOZZ | 96906 | MS35338-43 | ..WASHER, LOCK..... | 2 |
| 4 | XDOZZ | 96906 | MS27130-A19 | ..NUT, BLIND RIVET 10.24, .01-.12..... | 2 |
| | | | | GRIP..... | |
| 5 | PAOZZ | 31795 | 15330206 | ...BATTERY, NONRECHARGE SEALED..... | 2 |
| 6 | PAOZZ | 18338 | 100653-020 | ...FUSE, CARTRIDGE LOCATED ON..... | 1 |
| | | | | PRINTED CIRCUIT BOARD..... | |
| 7 | PAOZZ | 08108 | 4510 | ...LAMP, INCANDESCENT 6VOLT, SEALED..... | 2 |
| | | | | BEAM..... | |
| 8 | XDOZZ | 96906 | MS20604-B4T6 | ..RIVET, BLIND, .12..... | 4 |
| 9 | XDOZZ | 81337 | 5-13-4782-1 | ..BRACKET, BATTERY..... | 1 |
| 10 | XDOZZ | 81337 | 5-13-4782-2 | ..BRACKET, BATTERY..... | 1 |
| 11 | XDOZZ | 81337 | 5-13-4782-1-4 | ...SHT, RUBBER..... | 1 |
| 12 | XDOZZ | 81337 | 5-13-4782-1-1 | ...SHT, CRES..... | 1 |
| 13 | XDOZZ | 81337 | 5-13-4782-2-4 | ...SHT, RUBBER..... | 1 |
| 14 | XDOZZ | 81337 | 5-13-4782-2-1 | ...SHT, CRES..... | 1 |
| 15 | XDOZZ | 81337 | 5-13-4783 | ..DECAL..... | 1 |
| 16 | XDOZZ | 81337 | 5-13-4780-15 | ...SHT, RUBBER..... | 1 |
| 17 | XDOZZ | 96906 | MS21318-29 | ..SCREW, DRIVE..... | 4 |
| 18 | XDOZZ | 97403 | 13227E5726-1 | ..DATA PLATE..... | 1 |
| 19 | PAOZZ | 96906 | MS27735-22 | ..SWITCH, TOGGLE..... | 1 |
| 20 | XDOZZ | 07295 | 100707 | ..CORD, ELEC..... | 1 |
| 21 | XDOZZ | 28520 | 285203210 | ..FITTING, LIQ TIGHT..... | 1 |

END OF FIGURE

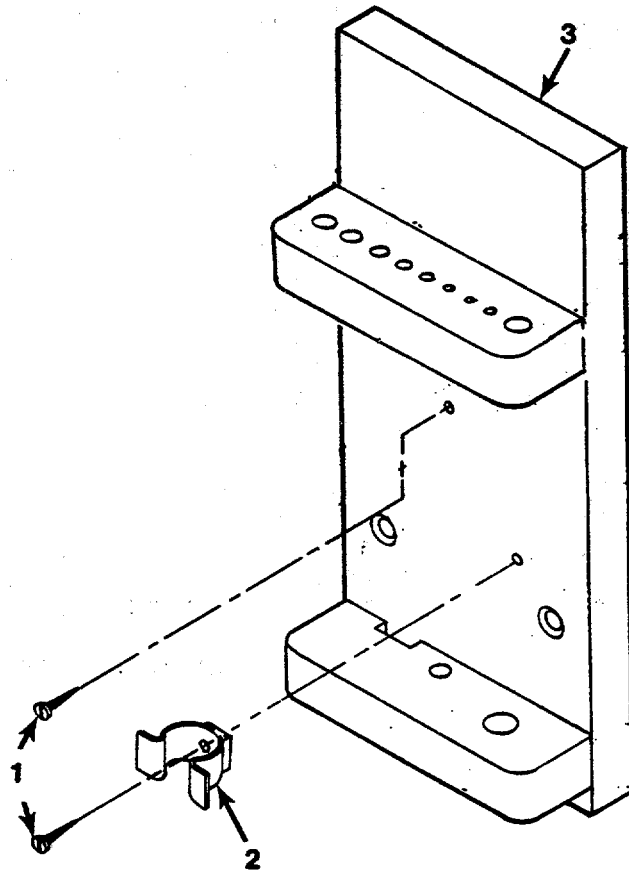


Figure 37. Tool Rack Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|--------------------|--------------|-----------------------|---|------------|
| GROUP 18 MISCELLANEOUS SUPPORT ITEMS | | | | | |
| FIG. 37 TOOL RACK ASSEMBLY | | | | | |
| 1 | XDOZZ | 96906 | MS51861-50 | ..SCREW, TAP..... | 2 |
| 2 | XDOZZ | 39428 | 1723A2 | ..CLIP, SPRING | 1 |
| 3 | XDOZZ | 81337 | 5-13-4948 | ..HOLDER, SMALL ALLEN..... | 1 |

END OF FIGURE

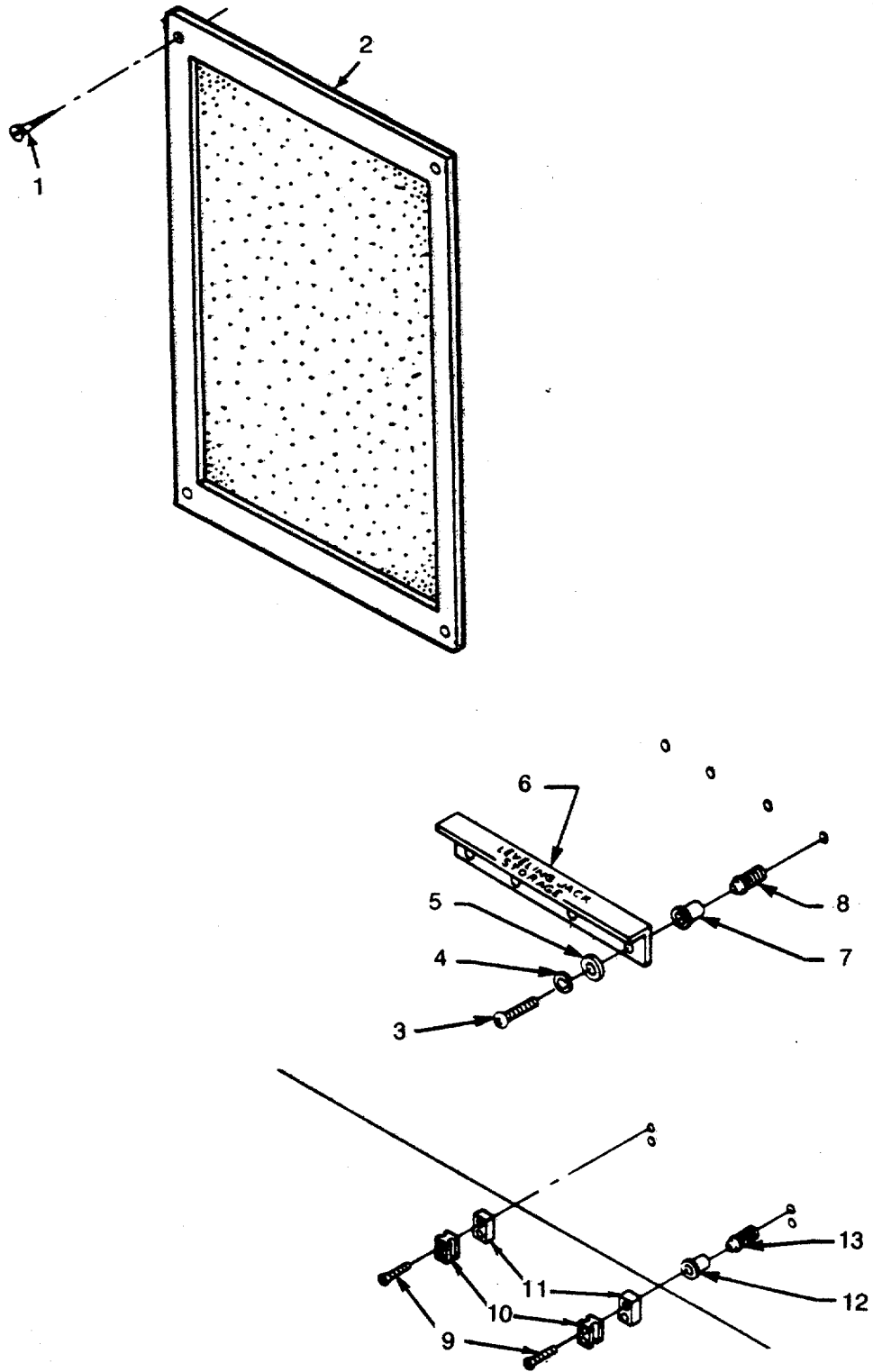


Figure 38. Bulletin Board and Leveling Jack Storage Bracket

Change 1 F-88

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|--------------------|--------------|-----------------------|---|------------|
| GROUP 18 MISCELLANEOUS SUPPORT ITEMS | | | | | |
| FIG. 38 BULLETIN BOARD AND LEVELING JACK STORAGE BRACKET | | | | | |
| 1 | XDOZZ | 96906 | MS35201-263 | SCREW, MACHINE | 4 |
| 2 | XDOZZ | 81337 | 5-13-4988 | BULLETIN BOARD | 1 |
| 3 | XDOZZ | 96906 | MS27039C5-11 | SCREW, MACHINE | 4 |
| 4 | XDOZO | 96906 | MS35338-45 | WASHER, LOCK..... | 4 |
| 5 | XDOZO | 96906 | MS27183-11 | WASHER, FLAT | 4 |
| 6 | XDOZZ | 81337 | 5-13-3113-1 | BRACKET, MOUNTING | 1 |
| 7 | XDDZZ | 81337 | 5-4-4929 | SLEEVE..... | 4 |
| 8 | XDDZZ | 81337 | 5-4-4969 | EXPANDER | 4 |
| 9 | XDOZZ | 96906 | MS51959-88 | SCREW, COUNTERSUNK | 4 |
| 10 | XDOZZ | 81337 | 5-4-2929 | BRACKET | 2 |
| 11 | XDOZZ | 81337 | 5-13-9732 | SPACER | 2 |
| 12 | XDDZZ | 81337 | 5-4-4831 | SLEEVE..... | 4 |
| 13 | XDDZZ | 81337 | 5-4-4833 | EXPANDER | 4 |

END OF FIGURE

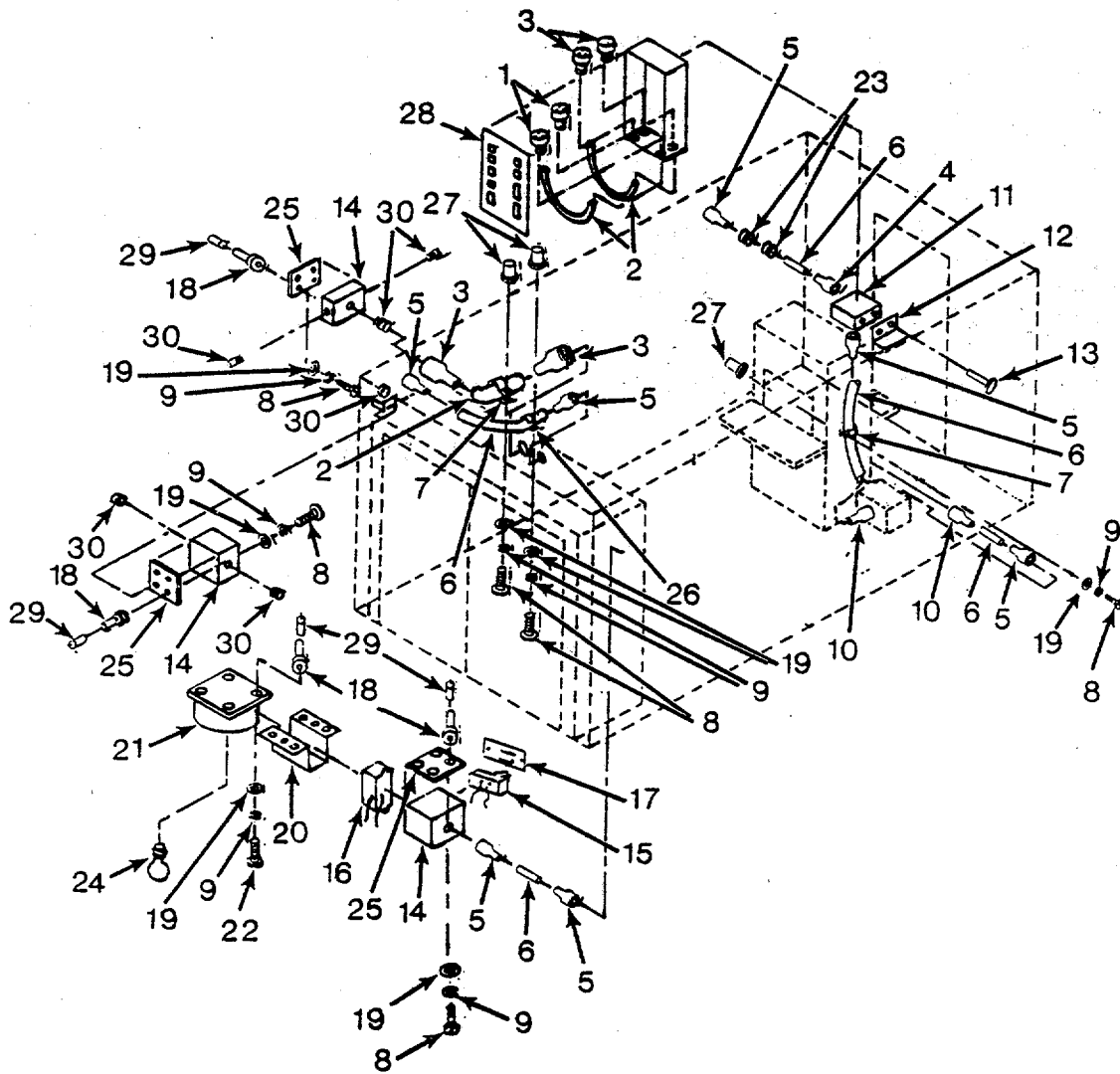


Figure 39. Electrical Installation

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|--------------------|--------------|--------------------------|---|------------|
| GROUP 18 MISCELLANEOUS SUPPORT ITEMS | | | | | |
| FIG. 39 ELECTRICAL INSTALLATION | | | | | |
| | XCOOO | 81337 | | 5-13-4910..... ELEC INSTAL | 1 |
| 1 | XDOZZ | 83879 | 4Q-4100 | .CONN, CONDUIT | 2 |
| 2 | XDOZZ | 97403 | 13227E5736 | .CONDUIT, LQ TIGHT | V |
| 3 | XDOZZ | 97403 | 13227E6253 | .CONN, CONDUIT | 4 |
| 4 | XDOZZ | 81337 | 5-13-4910-4 | .CONN, CONDUIT | 1 |
| 5 | XDOZZ | 39428 | 7119K12 | .CONN, CONDUIT | 7 |
| 6 | XDOZZ | 39428 | 7127K25 | .CONDUIT, LQ TIGHT | V |
| 7 | XDOZZ | 96906 | MS35140-14 | .STRAP, RETAINING | 3 |
| 8 | XDOZZ | 96906 | MS35191-272 | .SCREW, MACHINE | 18 |
| 9 | XDOZZ | 96906 | MS35338-43 | .HASHER, LOCK..... | 22 |
| 10 | XDOZZ | 39428 | 7119K21 | .CONN, CONDUIT | 2 |
| 11 | XDOZZ | 29215 | JP2050-1 | ..JUNCTION BOX..... | 1 |
| 12 | XDOZZ | 97403 | 13226E6991 | ..BRACKET, TOOL BX..... | 2 |
| 13 | XDOZZ | 81349 | MIL-R-24243/6--A4 04H | ..RIVET | 4 |
| 14 | XDOZZ | 79725 | 2151-2 | .BOX, RECP, 2-GANG | 2 |
| 15 | XDOZZ | 81348 | WS896/2-02R | .SW, LIGHTED, RED | 1 |
| 16 | XDOZZ | 81348 | WC596/12-4 | .CONNECTOR, RECEPTACL | 1 |
| 17 | XDOZZ | 23828 | 1138V | .CVR, SW & RECP | 1 |
| 18 | XDDZZ | 81337 | 5-4-4984 | .EXPANDER | 12 |
| 19 | XDOZZ | 96906 | MS15795-408 | .WASHER, FLAT | 25 |
| 20 | XDOZZ | 03350 | 200 | .RACEWAY SURFACE | V |
| 21 | XDOOO | | 16327 | 2V637..... .LIGHT ASSY | 1 |
| 22 | XDOZZ | 96906 | MS35191-277 | .SCREW, MACHINE | 4 |
| 23 | XDOZZ | 76385 | Z-4023 | .GROMMET | 2 |
| 24 | PAOZZ | 88204 | 52A/SS | .LAMP, INCANDESCENT 52 WATT..... | 1 |
| 25 | XDOZZ | 90759 | 400 | .CVR, BX..... | 2 |
| 26 | XDOZZ | 96906 | MS35140-12 | .STRAP, RETAINING | 3 |
| 27 | XDOZZ | 96906 | MS27130-A29 | .NUT, BLIND RIVET | 13 |
| 28 | XCOOO | | 81337 | 5-13-4980..... .PANEL, BD, MOD | 1 |
| 29 | XDDZZ | 81337 | 5-4-4928 | .SLEEVE..... | 12 |
| 30 | XDOZZ | 28520 | 3210 | .FITTING, LQ TIGHT | 4 |

END OF FIGURE

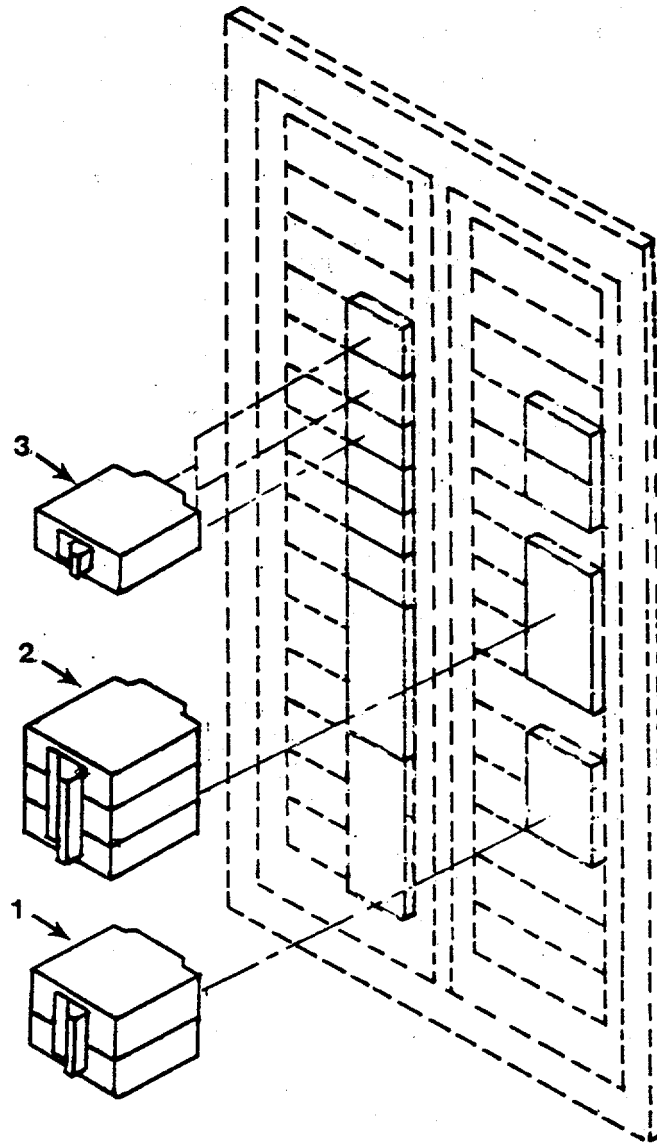


Figure 40. Power Panel Modifications

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|--------------------|--------------|-----------------------|---|------------|
| GROUP 18 MISCELLANEOUS SUPPORT ITEMS | | | | | |
| FIG. 40 POWER PANEL MODIFICATIONS | | | | | |
| 1 | PAOZZ | 56365 | Q0B250 | ..CIRCUIT BREAKER 2 POLE, 50 AMP | 1 |
| 2 | PAOZZ | 56365 | Q0B340 | ..CIRCUIT BREAKER 3 POLE, 40 AMP | 1 |
| 3 | PAOZZ | 56365 | Q0B120 | ..CIRCUIT BREAKER 1 POLE, 20 AMP | 3 |

END OF FIGURE

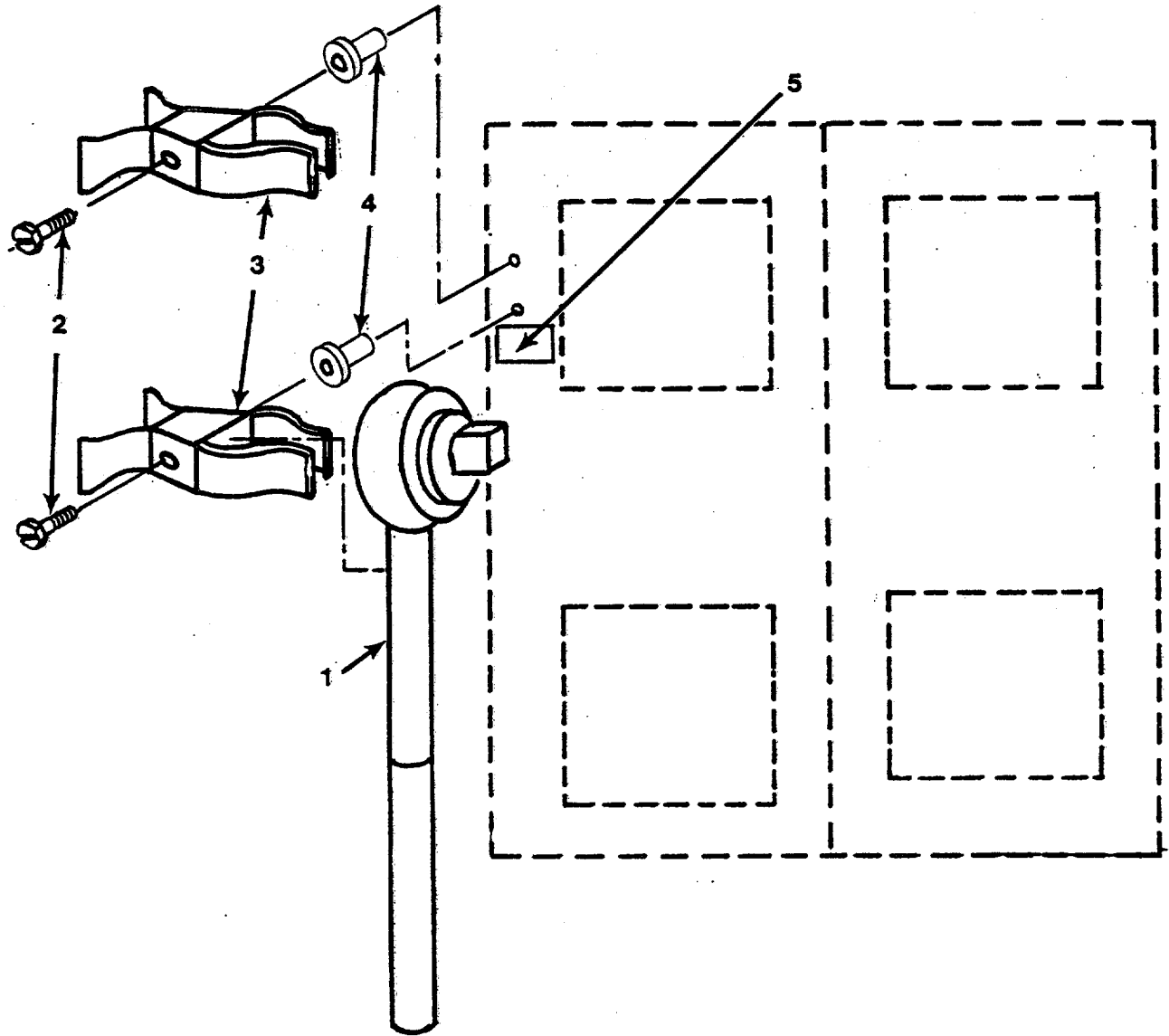


Figure 41. Solar Bar Wrench Handle Installation

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 18 MISCELLANEOUS SUPPORT ITEMS | (6) QTY |
|---|--------------------|--------------|-----------------------|--|------------|
| FIG. 41 SOLAR BAR WRENCH HANDLE INSTALLATION | | | | | |
| | XCOZZ | 81337 | 5-13-5000 | HANDLE, WRENCH, SB..... | 1 |
| 1 | PAOZZ | 99993 | H41H1505-9 | .HANDLE, SOCKET WRENC PAINT RED..... | 1 |
| 2 | XDOZZ | 96906 | MS35206-245 | .SCREW, MACHINE 8-32 X .5..... | 2 |
| 3 | XDOZZ | 81337 | 5-4-5106 | .CLIP, SPRING TENSION..... | 2 |
| 4 | XDOZZ | 96906 | MS27130-A13 | .NUT, PLAIN, BLIND RIV | 2 |
| 5 | XDOZZ | 81337 | 5-13-4720 | .STENCIL, .25, BLACK SOCKET HANDLE, | 1 |
| | | | | STORAGE LOCATION | |

END OF FIGURE

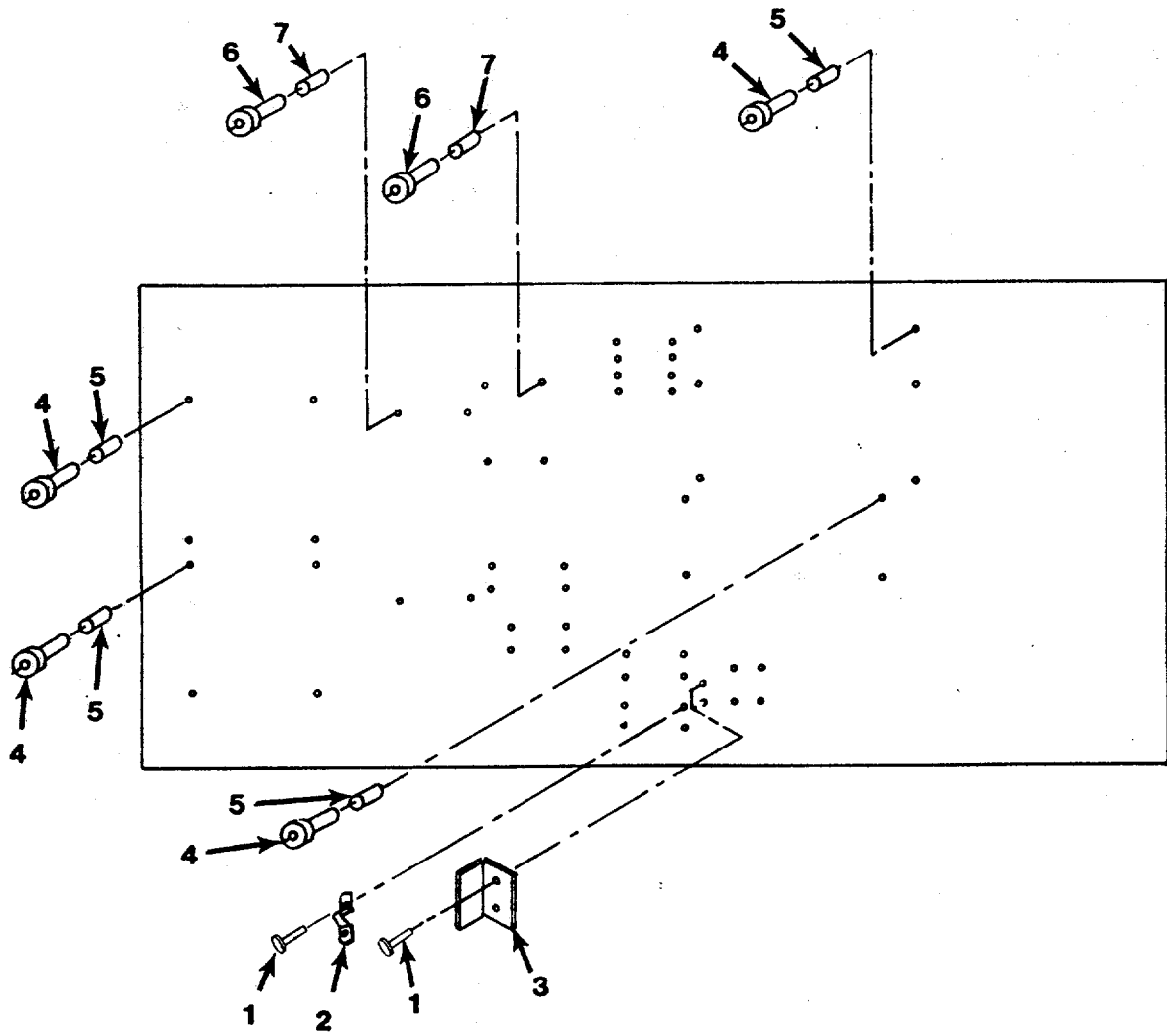


Figure 42. Floor Inserts Installation

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|--------------------|--------------|-------------------------|---|------------|
| GROUP 18 MISCELLANEOUS SUPPORT ITEMS | | | | | |
| FIG. 42 FLOOR INSERTS INSTALLATION | | | | | |
| | XCDDD | 81337 | 5-13-4701 | INSERTS, FL, FINISH..... | 1 |
| 1 | XDOZZ | 81349 | MIL-R-24243/6-A4 04H | .RIVET | 38 |
| 2 | XDOZZ | 96906 | MS51939-1 | .LOOP, STRAP FASTENER | 15 |
| 3 | XDOZZ | 97403 | 13226E6991 | .BRACKET, TOOL BX..... | 4 |
| 4 | XDDZZ | 81337 | 5-4-4968 | .EXPANDER | 16 |
| 5 | XDDZZ | 81337 | 5-4-4930 | .SLEEVE | 16 |
| 6 | XDDZZ | 81337 | 5-4-4934 | .EXPANDER | 46 |
| 7 | XDDZZ | 81337 | 5-4-4831 | .SLEEVE | 46 |

END OF FIGURE

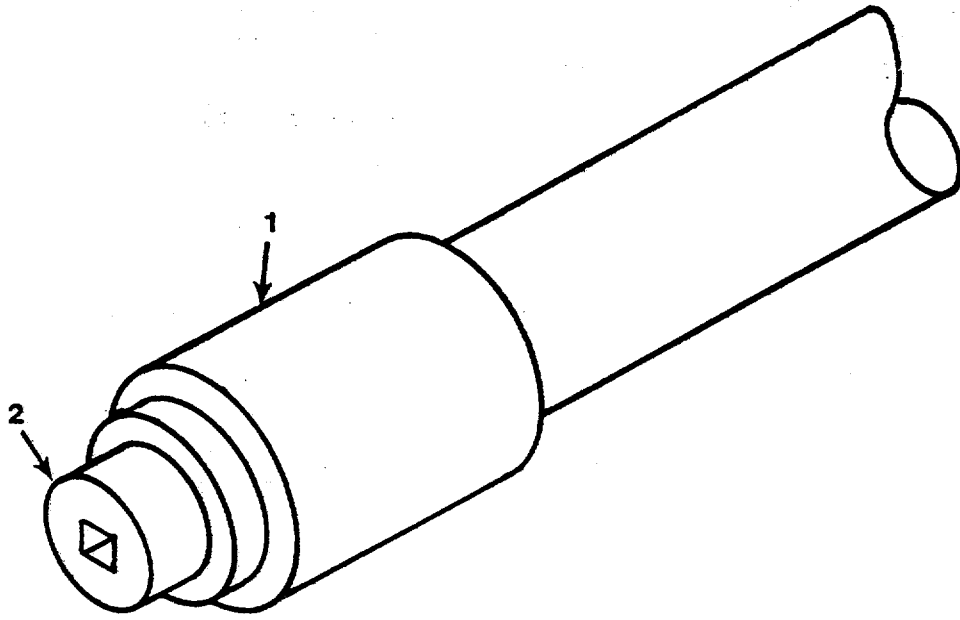


Figure 43. Solar Bar Handle Modifications

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|--------------------|--------------|-----------------------|---|------------|
| GROUP 18 MISCELLANEOUS SUPPORT ITEMS | | | | | |
| FIG. 43 SOLAR BAR HANDLE MODIFICATIONS | | | | | |
| | XCDDD | 81337 | 5-13-5033 | SOLAR BAR, MODIFICAT | 1 |
| 1 | XDDZZ | 81337 | 5-4-3050 | .SOLAR BAR, MODIFIED NOTE: CUT OFF | 1 |
| | | | | HANDLE | |
| 2 | XDDZZ | 55719 | P240 | .SOCKET, WRENCH NOTE: CUT TO 1/2..... | 1 |
| | | | | INCH THICK, WELD TO NEW SOLAR BAR..... | |

END OF FIGURE

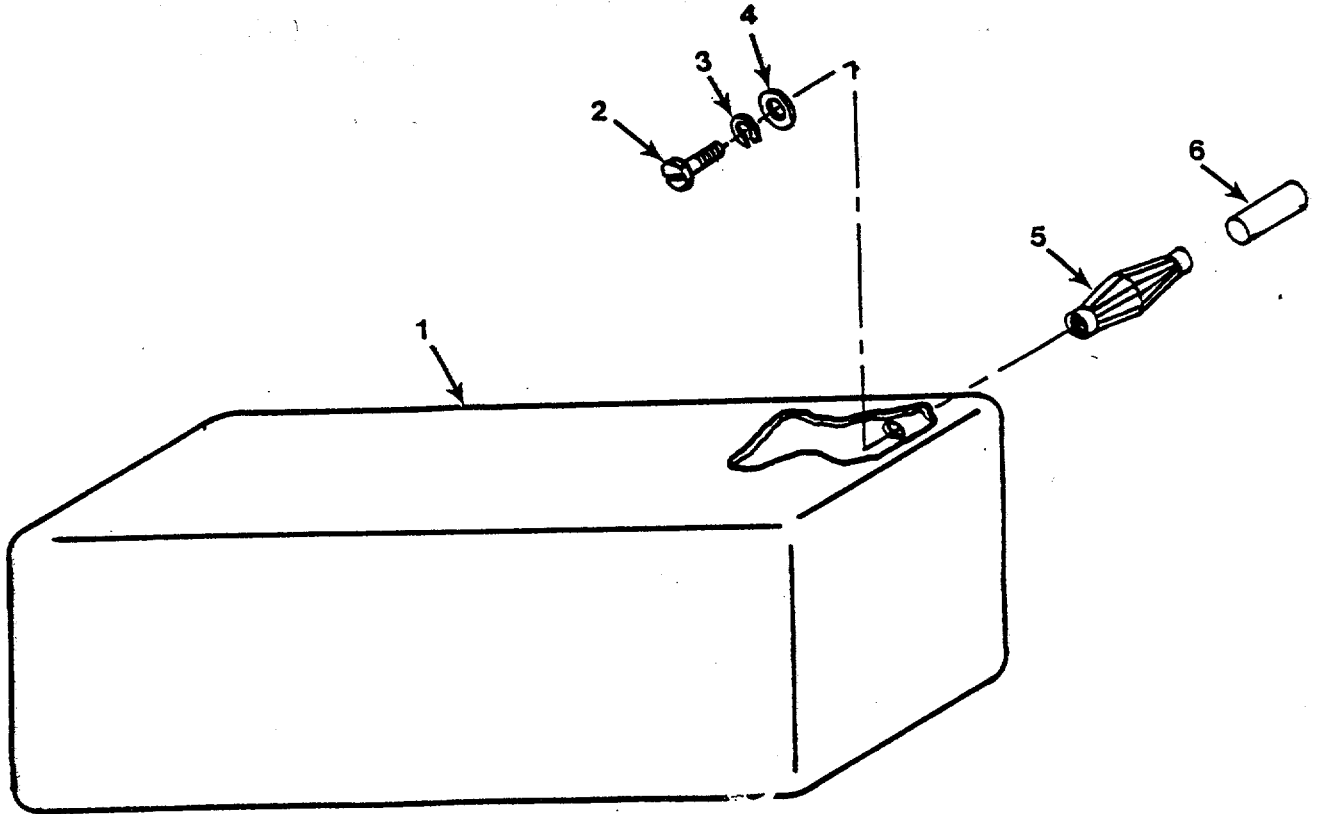


Figure 44. Towel Dispenser Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|--------------------|--------------|-----------------------|---|------------|
| GROUP 18 MISCELLANEOUS SUPPORT ITEMS | | | | | |
| FIG. 44 TOWEL DISPENSER ASSEMBLY | | | | | |
| 1 | XDOZZ | 81348 | WW-D, 1909, TY1 | .DISPENSER, TOWEL..... | 1 |
| 2 | XDOZZ | 96906 | MS35191-274 | .SCREW, MACHINE | 4 |
| 3 | XDOZZ | 96906 | MS35338-43 | .WASHER, LOCK..... | 4 |
| 4 | XDOZZ | 96906 | MS15795-442 | .WASHER, FLAT | 4 |
| 5 | XDDZZ | 81337 | 5-4-4935 | .EXPANDER | 4 |
| 6 | XDDZZ | 81337 | 5-4-4928 | .SLEEVE..... | 4 |

END OF FIGURE

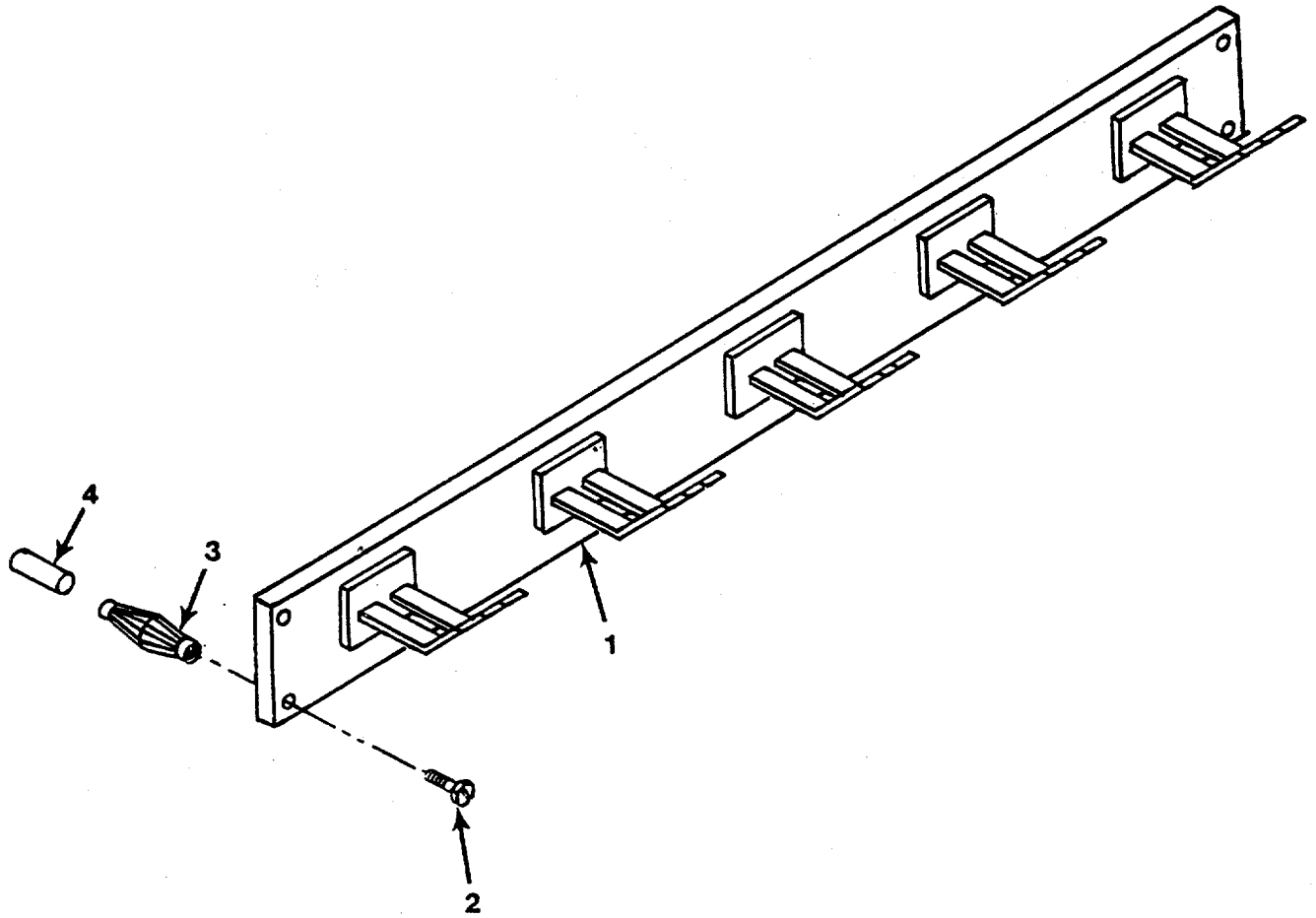


Figure 45. Coat Rack Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|--------------------|--------------|-----------------------|---|------------|
| GROUP 18 MISCELLANEOUS SUPPORT ITEMS | | | | | |
| FIG. 45 COAT RACK ASSEMBLY | | | | | |
| 1 | XDOZZ | 97403 | 13226E4508 | .RACK, COAT | 1 |
| 2 | XDOZZ | 96906 | MS24693-280 | .SCREW, MACHINE | 4 |
| 3 | XDDZZ | 81337 | 5-4-4935 | .EXPANDER | 4 |
| 4 | XDDZZ | 81337 | 5-4-4928 | .SLEEVE..... | 4 |

END OF FIGURE

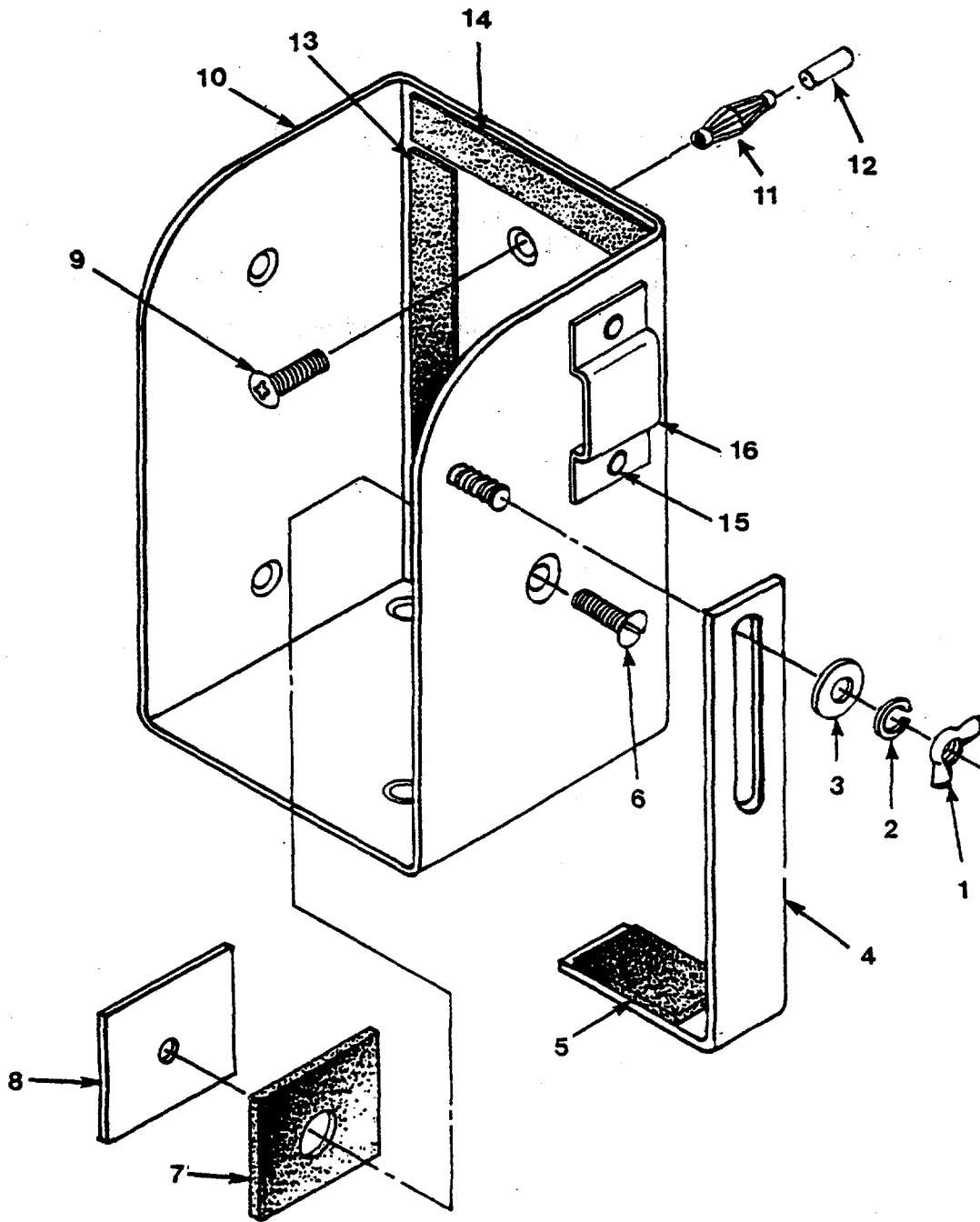


Figure 46. Telephone Bracket Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|--------------------|--------------|-----------------------|---|------------|
| GROUP 18 MISCELLANEOUS SUPPORT ITEMS | | | | | |
| FIG. 46 TELEPHONE BRACKET ASSEMBLY | | | | | |
| | XDOOO | 81337 | 6-1-7543 | ASSY, TELEPHONE BRAC | 1 |
| 1 | XDOZZ | 96906 | MS35425-70 | .NUT, PLAIN, WING | 1 |
| 2 | XDOZZ | 96906 | MS35338-44 | .WASHER, LOCK | 1 |
| 3 | XDOZZ | 96906 | MS27183-10 | .WASHER, FLAT | 1 |
| 4 | XDOZZ | 81337 | 6-1-7543-2 | .SLIDE | 1 |
| 5 | XDOZZ | 81337 | 6-1-7543-8 | .PAD, SLIDE | 1 |
| 6 | XDOZZ | 96906 | MS35190-287 | .SCREW, MACHINE | 1 |
| 7 | XDOZZ | 81337 | 6-1-7543-5 | .PAD, PLATE | 1 |
| 8 | XDOZZ | 81337 | 6-1-7543-4 | .PLATE | 1 |
| 9 | XDOZZ | 96906 | MS35191-291 | .SCREW, MACHINE | 2 |
| 10 | XDOZZ | 81337 | 6-1-7543-1 | .BOX, PHONE MOUNTING | 1 |
| 11 | XDDZZ | 81337 | 5-4-4934 | .EXPANDER | 2 |
| 12 | XDDZZ | 81337 | 5-4-4831 | .SLEEVE | 2 |
| 13 | XDOZZ | 81337 | 6-1-7543-6 | .PAD, BOX | 1 |
| 14 | XDOZZ | 81337 | 6-1-7543-7 | .PAD, BOX | 1 |
| 15 | XDOZZ | 96906 | MS20470-AD6-8 | .RIVET, SOLID | 2 |
| 16 | XDOZZ | 81337 | 6-1-7543-3 | .RETAINER | 1 |

END OF FIGURE

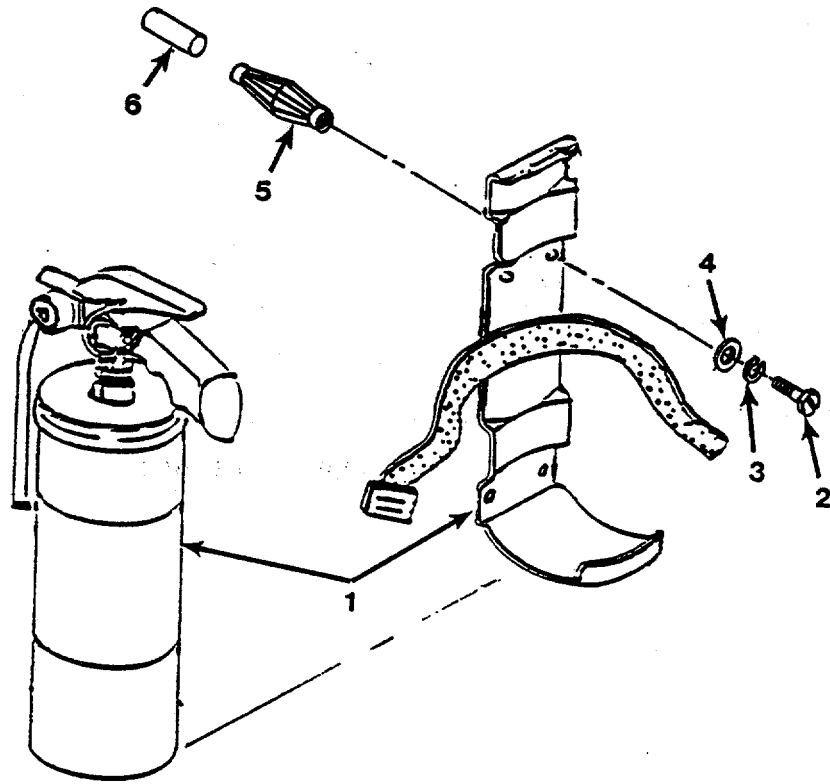


Figure 47. Fire Extinguisher Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
|-------------------|--------------------|--------------|-----------------------|---|------------|

GROUP 18 MISCELLANEOUS SUPPORT ITEMS

FIG. 47 FIRE EXTINGUISHER ASSEMBLY

| | | | | | |
|---|-------|-------|-------------|---------------------------|---|
| 1 | XDOZZ | 93510 | 1211A | .EXTINGUISHER, FIRE | 2 |
| 2 | XDOZZ | 96906 | MS35207-263 | .SCREW, MACHINE | 4 |
| 3 | XDOZZ | 96906 | MS35338-43 | .WASHER, LOCK | 4 |
| 4 | XDOZZ | 96906 | MS15795-442 | .WASHER, FLAT | 4 |
| 5 | XDDZZ | 81337 | 5-4-4935 | .EXPANDER..... | 4 |
| 6 | XDDZZ | 81337 | 5-4-4928 | .SLEEVE | 4 |

END OF FIGURE

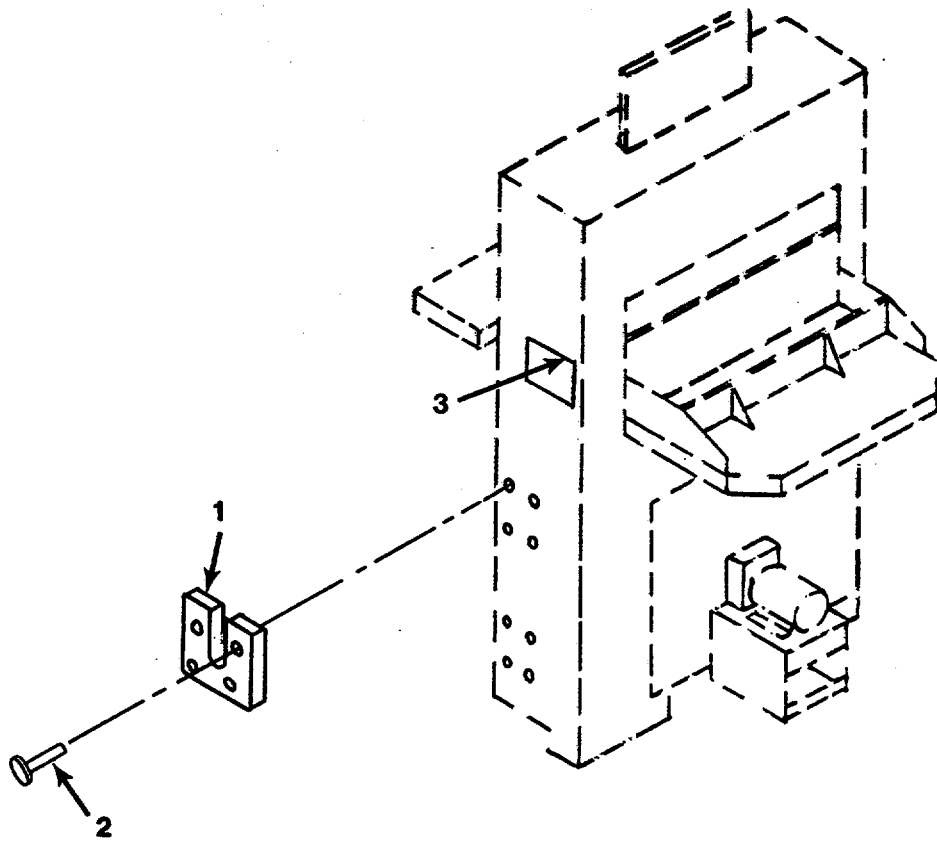


Figure 48. Area Light Storage Installation

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
|-------------------|--------------------|--------------|-----------------------|---|------------|

GROUP 18 MISCELLANEOUS SUPPORT ITEMS

FIG. 48 AREA LIGHT STORAGE INSTALLATION

| | | | | | |
|---|-------|-------|--------------|--|---|
| | XCOOO | 81337 | 5-13-5034 | AREA LT STOR | 1 |
| 1 | XDOZZ | 81337 | 5-4-2984 | .BRACKET, LT | 2 |
| 2 | XDOZZ | 81349 | M24243/3B404 | .RIVET, BLIND | 8 |
| 3 | XDOZZ | 81337 | 5-4-4822 | .STENCIL, .5, WHT AREA LIGHT STORAGE | 1 |

END OF FIGURE

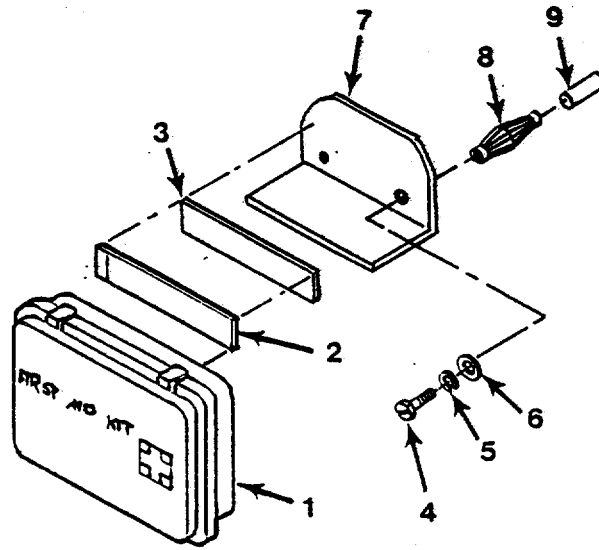


Figure 49. First Aid Kit Assembly

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
|-------------------|--------------------|--------------|-----------------------|---|------------|

GROUP 18 MISCELLANEOUS SUPPORT ITEMS

FIG. 49 FIRST AID KIT ASSEMBLY

| | | | | | |
|---|-------|-------|-------------|-----------------------------|---|
| | XDOOO | 81337 | 5-13-4950 | ASSY, FIRST AID | 1 |
| 1 | PAOZZ | 19207 | 11677011 | .FIRST AID KIT, GENER | 1 |
| 2 | XDOZZ | 81349 | MIL-F-21840 | .FASTENER, HOOK | 1 |
| 3 | XDOZZ | 81349 | MIL-F-21840 | .FASTENER, TAPE, PILE | 1 |
| 4 | XDOZZ | 96906 | MS35191-274 | .SCREW, MACHINE | 2 |
| 5 | XDOZZ | 96906 | MS35338-43 | .WASHER, LOCK | 2 |
| 6 | XDOZZ | 96906 | MS15795-442 | .WASHER, FLAT | 2 |
| 7 | XDOZZ | 81337 | 5-13-4777 | .BRACKET, MOUNT | 1 |
| 8 | XDDZZ | 81337 | 5-4-4935 | .EXPANDER..... | 2 |
| 9 | XDDZZ | 81337 | 5-4-4928 | .SLEEVE | 2 |

END OF FIGURE

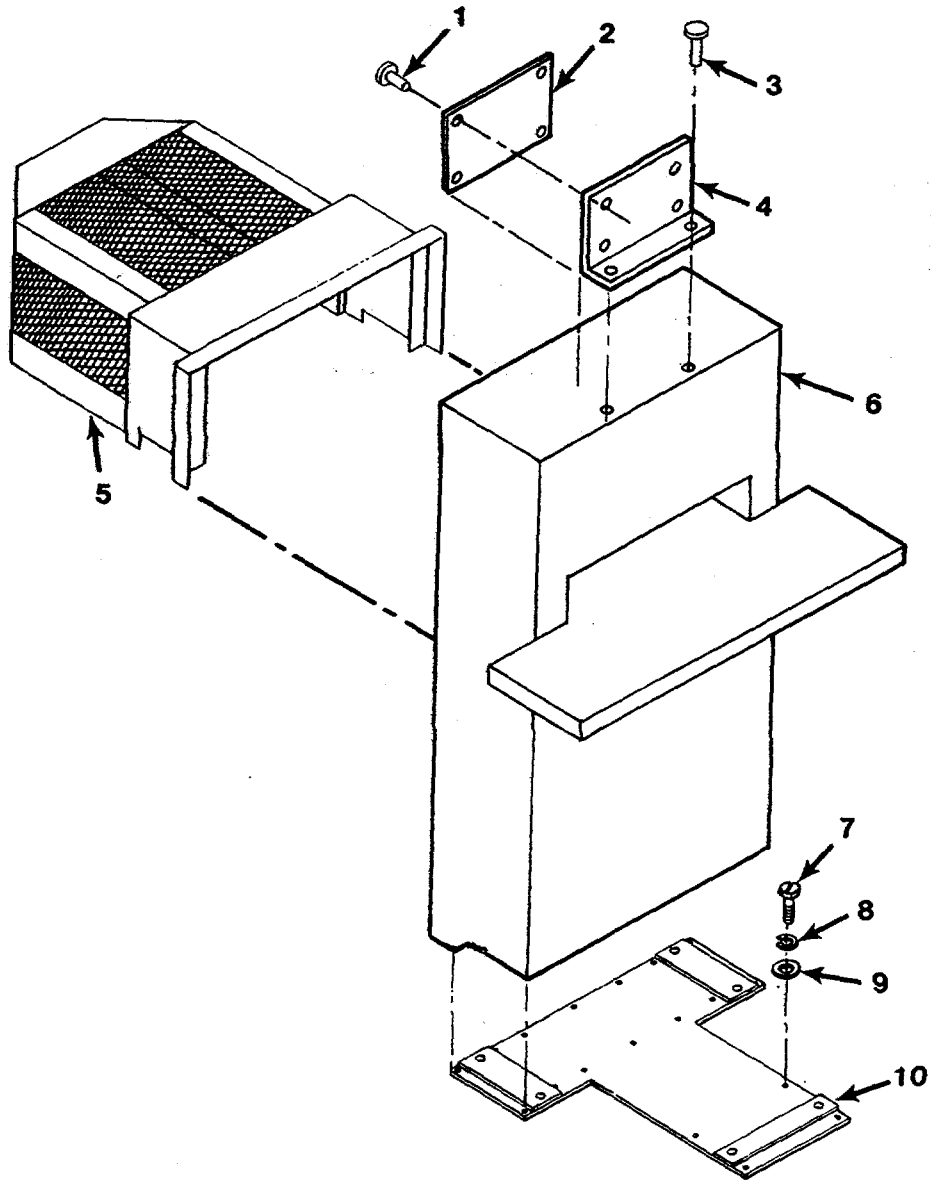


Figure 50. Paper Cutter Modifications

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
|-------------------|--------------------|--------------|-----------------------|---|------------|

GROUP 19 PAPER CUTTER

FIG. 50 PAPER CUTTER MODIFICATIONS

| | | | | | |
|----|-------|-------|---------------|-------------------------------|----|
| | XCDDD | 81337 | 5-13-4778 | PAPER CUTTER, MODS | 1 |
| 1 | XDOZZ | 96906 | MS20600-MP4W2 | .RIVET, BLIND, GRIP | 4 |
| 2 | XDOZZ | 81337 | 5-13-5017 | .DATA PLATE, WARNING | 1 |
| 3 | XDOZZ | 96906 | MS20600-MP4W7 | .RIVET, BLIND, GRIP | 2 |
| 4 | XDOZZ | 81337 | 5-13-5018 | .BRACKET | 1 |
| 5 | XDOZZ | 81337 | 5-13-5062 | .PLATE, COVER | 1 |
| 6 | MDDDD | 81337 | 5-13-4993 | .PAPER CUTTER, MODIFIED | 1 |
| 7 | XDDZZ | 96906 | MS90726-7 | .SCREW, HEX | 18 |
| 8 | XDDZZ | 96906 | MS35338-44 | .WASHER, LOCK | 18 |
| 9 | XDDZZ | 96906 | MS15795-410 | .WASHER, FLAT | 18 |
| 10 | XDDZZ | 81337 | 5-13-4886 | .PLATE, WELDMT, PAPER C | 1 |

END OF FIGURE

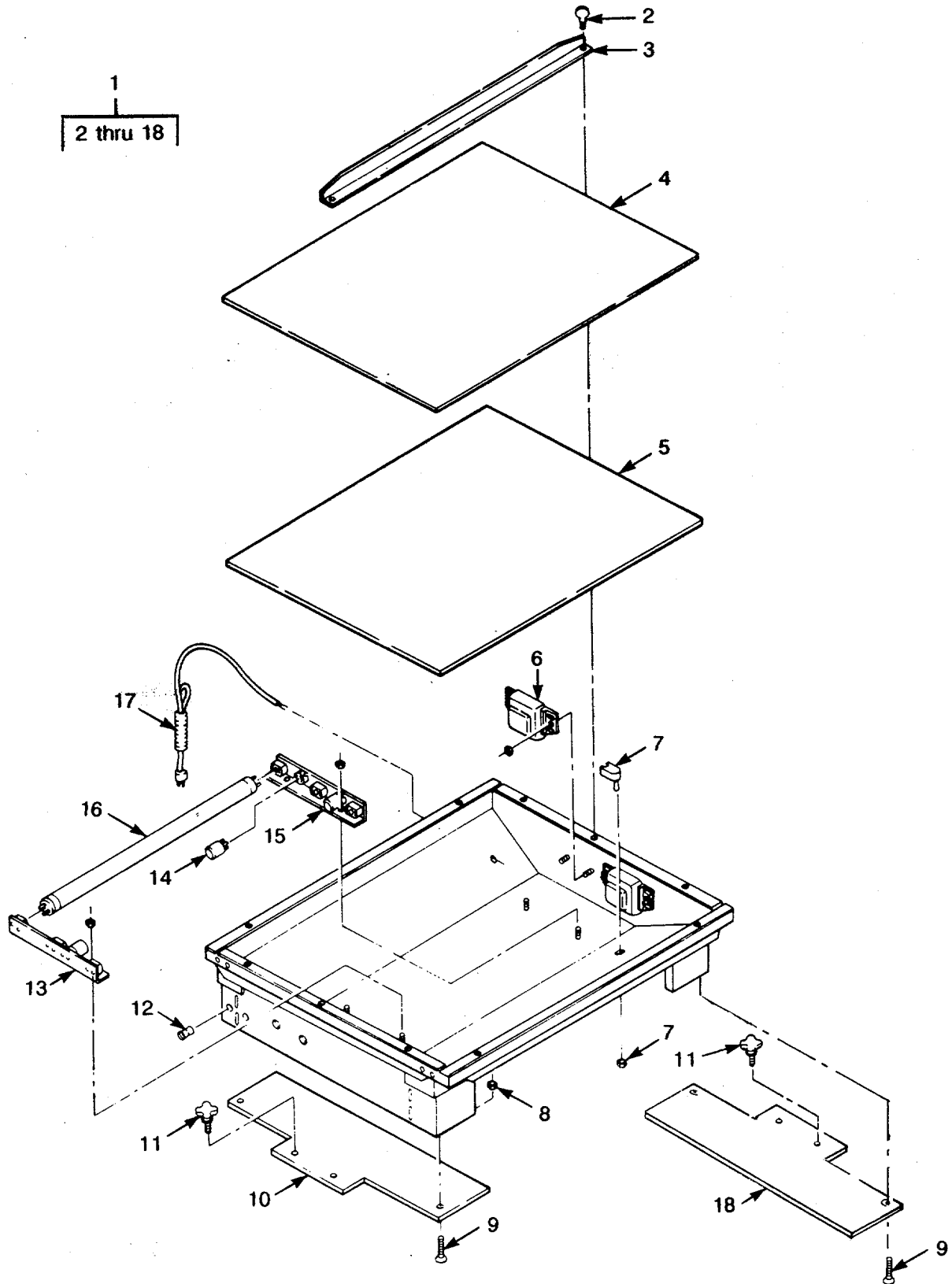


Figure 51. Light Table

F-114 Change 1

SECTION II

TM 5-3610-294-13&P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|--------------------------------------|--------------------|--------------|-----------------------|--|------------|
| GROUP 20 LIGHT TABLE ASSEMBLY | | | | | |
| FIG. 51 LIGHT TABLE | | | | | |
| 1 | XDOOO | 81337 | 5-13-5177 | LIGHT TABLE ASSY | 1 |
| 2 | XDOZZ | 81337 | 5-13-5191 | .THUMBSCREW, MODIFIED | 2 |
| 3 | XDOZZ | 81337 | 5-13-5178 | .BRACKET, TRANSPORTER | 1 |
| 4 | XDOZZ | 93791 | ES-5 | .GLASS, PLATE; TABLE-TOP, 7/32 X..... | 1 |
| | | | | 25 X 32 (LOCAL PURCHASE ONLY) | |
| 5 | XDOZZ | 93791 | ES-6 | .PLEXIGLASS, DIFFUSER WHITE, 1/8 X..... | 1 |
| | | | | 24-7/8 X 31-7/8 (LOCAL PURCHASE ONLY) | |
| 6 | XDOZZ | 93791 | VE162 | .TRANSFORMER, BALLAST | 3 |
| 7 | XDOZZ | 93791 | VE-50 | .SWITCH, TOGGLE | 1 |
| 8 | XDOZO | 96906 | MS35649-2252 | .NUT, PLAIN, HEXAGON | 4 |
| 9 | XDOZZ | 96906 | MS35190-289 | .SCREW, MACHINE | 4 |
| 10 | XDOZZ | 81337 | 5-13-5180-1 | .BRACKET, MGT, LEFT | 1 |
| 11 | XDOZZ | 81337 | 5-13-5181 | .KNOB, TRANSPORTER | 4 |
| 12 | XDOZZ | 51792 | 026-80125-1 | .SCREW, INSERT | 4 |
| 13 | XDOZZ | 93791 | ES3 | .LAMP BRKT ASSY, LEFT | 1 |
| 14 | PAOZF | 93791 | VE176 | .STARTER, FLUORESCENT | 3 |
| 15 | XDOZZ | 93791 | ES4 | .LAMP BRKT ASSY, RGHT | 1 |
| 16 | PAOZZ | 08108 | F20T12/W | .LAMP, FLUORESCENT 20 WATT | 3 |
| 17 | XDOZZ | 93791 | H56 | .CORD, POWER | 1 |
| 18 | XDOZZ | 81337 | 5-13-5180-2 | .BRACKET, MGT, RIGHT | 1 |

END OF FIGURE

Section III. SPECIAL TOOLS LIST

(Not Applicable)

**CROSS-REFERENCE INDEXES
NATIONAL STOCK NUMBER INDEX**

| STOCK NUMBER | FIG. | ITEM | STOCK NUMBER | FIG. | ITEM |
|------------------|------|------|------------------|------|------|
| 5920-00-056-6620 | 36 | 6 | 5925-01-335-8931 | 27 | 13 |
| 5305-00-056-9385 | 18 | 8 | 4120-01-340-6032 | 3 | 1 |
| 5925-00-074-5750 | 40 | 1 | 4120-01-340-6033 | 4 | 1 |
| 6240-00-152-2983 | 51 | 16 | | | |
| 5935-00-229-2423 | 27 | 6 | | | |
| 5120-00-230-6385 | 41 | 1 | | | |
| 5920-00-280-8342 | 28 | 9 | | | |
| | 30 | 4 | | | |
| 6250-00-299-2884 | 51 | 14 | | | |
| 5930-00-325-6153 | 36 | 19 | | | |
| 6350-00-383-1189 | 32 | 1 | | | |
| 6240-00-556-8657 | 36 | 7 | | | |
| 5930-00-687-0553 | 33 | 8 | | | |
| 5355-00-720-5496 | 28 | 3 | | | |
| 5925-00-728-1289 | 40 | 3 | | | |
| 5930-00-735-2803 | 28 | 4 | | | |
| | 30 | 8 | | | |
| 5925-00-785-4251 | 40 | 2 | | | |
| 5975-00-878-3791 | 34 | 6 | | | |
| 6240-00-893-2507 | 28 | 5 | | | |
| | 30 | 6 | | | |
| 6545-00-922-1200 | 49 | 1 | | | |
| 5935-00-924-0061 | 27 | 7 | | | |
| 6210-00-944-8835 | 28 | 6 | | | |
| | 30 | 5 | | | |
| 6625-00-964-7927 | 28 | 1 | | | |
| | 30 | 2 | | | |
| 6240-01-024-6370 | 39 | 24 | | | |
| 5975-01-036-9575 | 3 | 13 | | | |
| | 4 | 13 | | | |
| 5930-01-056-5150 | 2 | 3 | | | |
| 6625-01-081-8850 | 28 | 2 | | | |
| | 30 | 9 | | | |
| 6210-01-142-0431 | 35 | 5 | | | |
| 5930-01-167-7035 | 28 | 7 | | | |
| | 30 | 10 | | | |
| 5999-01-178-0168 | 28 | 16 | | | |
| | 30 | 15 | | | |
| 6685-01-188-3338 | 11 | 4 | | | |
| 7195-01-316-2689 | 26 | | | | |
| 6625-01-320-8929 | 30 | | | | |
| 6110-01-324-6316 | 27 | | | | |
| 6230-01-326-0057 | 11 | 10 | | | |
| 4130-01-327-6293 | 10 | 5 | | | |
| | 10 | 8 | | | |
| | 10 | 35 | | | |
| 5360-01-331-6404 | 14 | 4 | | | |
| | 17 | 4 | | | |
| | 20 | 4 | | | |
| | 23 | 4 | | | |

CROSS-REFERENCE INDEXES

| CAGEC | PART NUMBER | PART NUMBER INDEX | | FIG. | ITEM |
|-------|------------------|-------------------|------------------|------|------|
| | | | STOCK NUMBER | | |
| 88044 | AN505-416R18 | | | 21 | 3 |
| 96906 | AN935-416 | | | 21 | 7 |
| 82370 | A104 | | 5975-00-878-3791 | 34 | 6 |
| 07294 | CN04WCSN114 | | 6240-00-893-2507 | 30 | 6 |
| 9R714 | C808-4 | | | 6 | 8 |
| 9R714 | C93-15 | | | 6 | 14 |
| 93791 | ES-5 | | | 51 | 4 |
| 93791 | ES-6 | | | 51 | 5 |
| 93791 | ES3 | | | 51 | 13 |
| 93791 | ES4 | | | 51 | 15 |
| 81349 | FO2A250V1A | | 5920-00-280-8342 | 28 | 9 |
| | | | | 30 | 4 |
| 08108 | F20T12/W | | 6240-00-152-2983 | 51 | 16 |
| 79725 | G-20115 | | | 11 | 22 |
| 79725 | G-2100B | | | 11 | 18 |
| 79725 | G-2100C | | | 11 | 17 |
| 79725 | G-2106 | | | 11 | 21 |
| 79725 | G-2141 | | | 11 | 24 |
| 4R884 | HPI1-51 | | | 35 | 6 |
| 15806 | HTAB-169 | | 6685-01-188-3338 | 11 | 11 |
| 99993 | H41H1505-9 | | 5120-00-230-6385 | 41 | 1 |
| 98003 | H5371BA | | | 15 | 11 |
| | | | | 18 | 24 |
| | | | | 27 | 26 |
| 93791 | H56 | | | 51 | 17 |
| 29215 | JP2050-1 | | | 39 | 11 |
| 56365 | KAL3625032M | | 5925-01-335-8931 | 27 | 13 |
| 81349 | MIL-F-21840 | | | 31 | 6 |
| | | | | 49 | 2 |
| | | | | 49 | 3 |
| 81349 | MIL-R-24243/3B40 | | | 3 | 11 |
| | 4 | | | 4 | 11 |
| 81349 | MIL-R-24243/6-A4 | | | 2 | 9 |
| | 04H | | | 39 | 13 |
| | | | | 42 | 1 |
| 81349 | MIL-R-24243/6-A4 | | | 10 | 14 |
| | 05H | | | | |
| 96906 | MS15795-407 | | | 33 | 2 |
| 96906 | MS15795-408 | | | 2 | 7 |
| | | | | 27 | 11 |
| | | | | 39 | 19 |
| 96906 | MS15795-410 | | | 1 | 6 |
| | | | | 3 | 21 |
| | | | | 4 | 21 |
| | | | | 5 | 5 |
| | | | | 10 | 23 |
| | | | | 11 | 13 |
| | | | | 12 | 5 |
| | | | | 14 | 7 |

CROSS-REFERENCE INDEXES

| CAGEC | PART NUMBER | PART NUMBER INDEX | | FIG. | ITEM |
|-------|---------------|-------------------|--------------|------|------|
| | | | STOCK NUMBER | | |
| 96906 | MS15795-410 | | | 15 | 6 |
| | | | | 17 | 7 |
| | | | | 18 | 3 |
| | | | | 18 | 14 |
| | | | | 20 | 7 |
| | | | | 21 | 8 |
| | | | | 23 | 7 |
| | | | | 34 | 9 |
| | | | | 50 | 9 |
| | | 96906 | MS15795-414 | | |
| | | | | 16 | 6 |
| | | | | 19 | 6 |
| 96906 | MS15795-417 | | | 22 | 6 |
| | | | | 13 | 5 |
| | | | | 16 | 5 |
| 96906 | MS15795-442 | | | 19 | 5 |
| | | | | 22 | 5 |
| | | | | 11 | 14 |
| | | | | 31 | 10 |
| | | | | 44 | 4 |
| 96906 | MS15795-509 | | | 47 | 4 |
| | | | | 49 | 6 |
| 96906 | MS15795-805 | | | 27 | 18 |
| 96906 | MS15795-812 | | | 3 | 8 |
| 96906 | MS16556-29 | | | 4 | 8 |
| | | | | 3 | 5 |
| | | | | 4 | 5 |
| | | | | 18 | 20 |
| | | | | 14 | 1 |
| 96906 | MS16998-74 | | | 17 | 1 |
| | | | | 20 | 1 |
| | | | | 23 | 1 |
| | | | | 13 | 4 |
| | | | | 16 | 4 |
| 96906 | MS20470-AD6-8 | | | 19 | 4 |
| | | | | 22 | 4 |
| | | | | 46 | 15 |
| | | | | 27 | 27 |
| | | | | 10 | 53 |
| | | | | 10 | 58 |
| | | | | 15 | 10 |
| | | | | 18 | 23 |
| | | | | 50 | 1 |
| | | | | 50 | 3 |
| 96906 | MS20600-B4W6 | | | 31 | 4 |
| 96906 | MS20600/MP4W6 | | | 8 | 10 |
| 96906 | MS20601-AD4W4 | | | 29 | 1 |
| 96906 | MS20604-B4T6 | | | 36 | 8 |
| 96906 | MS21316-23 | | | 34 | 4 |
| 96906 | MS21316-35 | 5305-00-056-9385 | | 18 | 8 |
| 96906 | MS21316-36 | | | 8 | 1 |

CROSS-REFERENCE INDEXES

| CAGEC | PART NUMBER | PART NUMBER INDEX | | FIG. | ITEM |
|-------|-----------------|-------------------|------------------|------|------|
| | | | STOCK NUMBER | | |
| 96906 | MS21316-36 | | | 10 | 49 |
| 96906 | MS21318-29 | | | 36 | 17 |
| 96906 | MS24243/6-A606H | | | 18 | 25 |
| 96906 | MS24617-46 | | | 25 | 7 |
| 96906 | MS24630-48 | | | 3 | 17 |
| | | | | 4 | 17 |
| | | | | 10 | 1 |
| 96906 | MS24693-108 | | | 18 | 15 |
| 96906 | MS24693-26 | | | 10 | 43 |
| 96906 | MS24693-280 | | | 45 | 2 |
| 96906 | MS25281-F6 | | | 28 | 12 |
| 96906 | MS27039C5-11 | | | 38 | 3 |
| 96906 | MS27130-A13 | | | 8 | 7 |
| | | | | 33 | 5 |
| | | | | 35 | 4 |
| | | | | 41 | 4 |
| 96906 | MS27130-A19 | | | 6 | 2 |
| | | | | 6 | 6 |
| | | | | 36 | 4 |
| 96906 | MS27130-A20 | | | 2 | 1 |
| | | | | 27 | 25 |
| 96906 | MS27130-A26 | | | 10 | 52 |
| 96906 | MS27130-A27 | | | 27 | 21 |
| 96906 | MS27130-A29 | | | 39 | 27 |
| 96906 | MS27130-A31 | | | 6 | 3 |
| | | | | 6 | 5 |
| | | | | 8 | 4 |
| | | | | 15 | 4 |
| | | | | 18 | 11 |
| 96906 | MS27130-A37 | | | 8 | 9 |
| 96906 | MS27130-419 | | | 31 | 11 |
| 96906 | MS27183-10 | | | 24 | 2 |
| | | | | 46 | 3 |
| 96906 | MS27183-11 | | | 38 | 5 |
| 96906 | MS27735-22 | | 5930-00-325-6153 | 36 | 19 |
| 96906 | MS27736-28 | | 5930-01-167-7035 | 28 | 7 |
| | | | | 30 | 10 |
| 96906 | MS3368-1-0B | | 5975-01-036-9575 | 3 | 13 |
| | | | | 4 | 13 |
| 96906 | MS35140-12 | | | 39 | 26 |
| 96906 | MS35140-14 | | | 39 | 7 |
| 96906 | MS35140-6 | | | 34 | 5 |
| 96906 | MS35190-287 | | | 46 | 6 |
| 96906 | MS35190-289 | | | 51 | 9 |
| 96906 | MS35191-272 | | | 39 | 8 |
| 96906 | MS35191-274 | | | 2 | 5 |
| | | | | 6 | 7 |
| | | | | 44 | 2 |
| | | | | 49 | 4 |
| 96906 | MS35191-277 | | | 39 | 22 |
| 96906 | MS35191-291 | | | 10 | 41 |

CROSS-REFERENCE INDEXES

| CAGEC | PART NUMBER | PART NUMBER INDEX | | FIG. | ITEM |
|-------|-------------|-------------------|--------------|------|------|
| | | | STOCK NUMBER | | |
| 96906 | MS35191-291 | | | 46 | 9 |
| 96906 | MS35201-263 | | | 38 | 1 |
| 96906 | MS35206-226 | | | 28 | 17 |
| | | | | 30 | 11 |
| 96906 | M535206-243 | | | 35 | 2 |
| 96906 | MS35206-245 | | | 8 | 5 |
| | | | | 33 | 1 |
| | | | | 41 | 2 |
| 96906 | MS35206-261 | | | 25 | 1 |
| 96906 | MS35206-263 | | | 36 | 2 |
| 96906 | MS35206-264 | | | 31 | 8 |
| 96906 | MS35206-270 | | | 31 | 12 |
| 96906 | MS35206-342 | | | 27 | 24 |
| 96906 | MS35207-263 | | | 27 | 10 |
| | | | | 47 | 2 |
| 96906 | MS35207-264 | | | 6 | 9 |
| | | | | 27 | 23 |
| 96906 | MS35207-267 | | | 31 | 14 |
| 96906 | MS35333-37 | | | 10 | 44 |
| 96906 | MS35333-72 | | | 28 | 11 |
| 96906 | MS35335-32 | | | 25 | 3 |
| 96906 | MS35335-33 | | | 8 | 2 |
| | | | | 15 | 2 |
| | | | | 18 | 9 |
| 96906 | MS35338-136 | | | 3 | 7 |
| | | | | 4 | 7 |
| 96906 | MS35338-140 | | | 3 | 4 |
| | | | | 4 | 4 |
| 96906 | MS35338-41 | | | 28 | 18 |
| | | | | 30 | 12 |
| 96906 | MS35338-42 | | | 33 | 3 |
| 96906 | MS35338-43 | | | 2 | 6 |
| | | | | 27 | 12 |
| | | | | 31 | 9 |
| | | | | 36 | 3 |
| | | | | 39 | 9 |
| | | | | 44 | 3 |
| | | | | 47 | 3 |
| | | | | 49 | 5 |
| 96906 | MS35338-44 | | | 1 | 5 |
| | | | | 3 | 20 |
| | | | | 4 | 20 |
| | | | | 5 | 4 |
| | | | | 10 | 22 |
| | | | | 11 | 12 |
| | | | | 12 | 4 |
| | | | | 14 | 8 |
| | | | | 15 | 7 |
| | | | | 17 | 8 |
| | | | | 18 | 2 |
| | | | | 18 | 13 |

SECTION IV

TM 5-3610-294-13&P

CROSS-REFERENCE INDEXES

| CAGEC | PART NUMBER | PART NUMBER INDEX | | FIG. | ITEM |
|-------|--------------|-------------------|--------------|------|------|
| | | | STOCK NUMBER | | |
| 96906 | MS35338-44 | | | 20 | 8 |
| | | | | 23 | 8 |
| | | | | 24 | 4 |
| | | | | 27 | 17 |
| | | | | 34 | 8 |
| | | | | 46 | 2 |
| | | | | 50 | 8 |
| | | | | 18 | 19 |
| 96906 | MS35338-45 | | | 38 | 4 |
| 96906 | MS35425-70 | | | 34 | 1 |
| | | | | 46 | 1 |
| 96906 | MS35492-253 | | | 11 | 6 |
| 96906 | MS35492-52 | | | 11 | 19 |
| 96906 | MS35649-202 | | | 25 | 4 |
| | | | | 27 | 22 |
| | | | | 5 | 6 |
| | | | | 10 | 30 |
| | | | | 12 | 6 |
| | | | | 14 | 9 |
| | | | | 15 | 8 |
| | | | | 17 | 9 |
| | | | | 18 | 1 |
| | | | | 18 | 12 |
| | | | | 20 | 9 |
| | | | | 21 | 6 |
| | | | | 23 | 9 |
| | | | | 24 | 5 |
| | | | | 27 | 19 |
| 96906 | MS35649-2312 | | | 51 | 8 |
| | | | | 18 | 18 |
| | | | | 10 | 45 |
| 96906 | MS35649-262 | | | 3 | 10 |
| 96906 | MS35649-264 | | | 4 | 10 |
| 96906 | MS35649-282 | | | 28 | 13 |
| | | | | 3 | 3 |
| 96906 | MS35650-5 | | | 4 | 3 |
| | | | | 31 | 7 |
| | | | | 13 | 2 |
| 96906 | MS51095-303 | | | 16 | 2 |
| | | | | 19 | 2 |
| | | | | 22 | 2 |
| | | | | 5 | 3 |
| | | | | 14 | 6 |
| 96906 | MS51849-95 | | | 17 | 6 |
| | | | | 20 | 6 |
| | | | | 23 | 6 |
| | | | | 5 | 8 |
| | | | | 11 | 1 |
| 96906 | MS51861-37 | | | 25 | 12 |
| | | | | 26 | 3 |
| | | | | 26 | 10 |
| | | | | 26 | 10 |

CROSS-REFERENCE INDEXES

| CAGEC | PART NUMBER | PART NUMBER INDEX | | FIG. | ITEM |
|-------|------------------|-------------------|--------------|------|------|
| | | | STOCK NUMBER | | |
| 96906 | MS51861-47 | | | 10 | 11 |
| | | | | 25 | 9 |
| | | | | 26 | 1 |
| 96906 | MS51861-49 | | | 11 | 3 |
| 96906 | MS51861-50 | | | 37 | 1 |
| 96906 | MS51862-12C | | | 10 | 4 |
| 96906 | MS51939-1 | | | 26 | 11 |
| | | | | 42 | 2 |
| 96906 | MS51939-2 | | | 25 | 6 |
| 96906 | MS51957-30 | | | 3 | 6 |
| | | | | 4 | 6 |
| 96906 | MS51959-26 | | | 28 | 14 |
| | | | | 30 | 14 |
| 96906 | MS51959-43 | | | 28 | 10 |
| 96906 | MS51959-84 | | | 27 | 33 |
| 96906 | MS51959-88 | | | 18 | 27 |
| | | | | 38 | 9 |
| 96906 | MS90555-C44412S | | | 27 | 5 |
| 96906 | MS90558-C52413P | | | 27 | 4 |
| 96906 | MS90725-10 | | | 21 | 9 |
| 96906 | MS90725-11 | | | 11 | 11 |
| 96906 | MS90725-13 | | | 5 | 7 |
| | | | | 10 | 25 |
| | | | | 27 | 20 |
| 96906 | MS90725-17 | | | 24 | 1 |
| 96906 | MS90725-32 | | | 18 | 21 |
| 96906 | MS90725-6 | | | 1 | 4 |
| | | | | 6 | 12 |
| | | | | 10 | 28 |
| | | | | 27 | 16 |
| 96906 | MS90726-7 | | | 50 | 7 |
| 96906 | MS90728-8 | | | 3 | 19 |
| | | | | 4 | 19 |
| | | | | 10 | 21 |
| | | | | 12 | 2 |
| | | | | 15 | 5 |
| | | | | 18 | 4 |
| | | | | 34 | 7 |
| 81349 | M16878/5BGEO | | | 32 | 2 |
| | | | | 32 | 3 |
| 81349 | M19207/16-FHN26G | | | 28 | 8 |
| | | | | 30 | 3 |
| 81349 | M24243/3B404 | | | 7 | 1 |
| | | | | 25 | 5 |
| | | | | 48 | 2 |
| 81349 | M24243/6-A403H | | | 32 | 5 |
| 71785 | P-408-CCT | | | 27 | 35 |
| 71590 | PA-1001M | 5930-00-735-2803 | | 30 | 8 |
| 71590 | PA1001M | 5930-00-735-2803 | | 28 | 4 |
| 56365 | PDC6KA4 | | | 27 | 14 |

CROSS-REFERENCE INDEXES

| CAGEC | PART NUMBER | PART NUMBER INDEX | | FIG. | ITEM |
|-------|------------------|-------------------|------------------|------|------|
| | | | STOCK NUMBER | | |
| 55719 | P240 | | | 43 | 2 |
| 45225 | P74-144 | | | 34 | 3 |
| 56365 | QOB120 | | 5925-00-728-1289 | 40 | 3 |
| 56365 | QOB250 | | 5925-00-074-5750 | 40 | 1 |
| 56365 | QOB340 | | 5925-00-785-4251 | 40 | 2 |
| 52359 | Q674L1181 | | | 35 | 7 |
| 71785 | S-408-CCT | | | 27 | 36 |
| 81345 | UL 514AANDUL 514 | | | 11 | 25 |
| 93791 | VE-50 | | | 51 | 7 |
| 93791 | VE162 | | | 51 | 6 |
| 93791 | VE176 | | 6250-00-299-2884 | 51 | 14 |
| 81348 | W-C-596/12-4 | | | 11 | 26 |
| 81348 | WC596/12-4 | | | 39 | 16 |
| 81348 | WS896/2-02R | | | 39 | 15 |
| 81348 | WW-D,1909,TY1 | | | 44 | 1 |
| 76385 | Z-4023 | | | 39 | 23 |
| 49367 | ZZM-N-2116 | | | 27 | 34 |
| 49367 | ZZMWB1516 | | 5935-00-229-2423 | 27 | 6 |
| 49367 | ZZM16-23S | | 5935-00-924-0061 | 27 | 7 |
| 51792 | 026-80125-1 | | | 51 | 12 |
| 84120 | 05-0065-00 | | | 31 | 16 |
| 18338 | 100653-020 | | 5920-00-056-6620 | 36 | 6 |
| 07295 | 100707 | | | 36 | 20 |
| 55026 | 10220 | | 6625-00-964-7927 | 28 | 1 |
| | | | | 30 | 2 |
| 75536 | 10640792-1 | | | 21 | 10 |
| 23828 | 1138V | | | 39 | 17 |
| 19207 | 11677011 | | 6545-00-922-1200 | 49 | 1 |
| 93510 | 1211A | | | 47 | 1 |
| 39428 | 1224T25 | | | 10 | 60 |
| 25472 | 13-40-XKN | | | 14 | 10 |
| | | | | 17 | 10 |
| | | | | 20 | 10 |
| | | | | 23 | 10 |
| 97403 | 13225E3143 | | | 34 | 11 |
| 97403 | 13225E3283 | | 5999-01-178-0168 | 28 | 16 |
| | | | | 30 | 15 |
| 97403 | 13226E4508 | | | 45 | 1 |
| 97403 | 13226E4527 | | | 31 | 2 |
| 97403 | 1-3226E4557 | | | 8 | 12 |
| 97403 | 13226E6991 | | | 39 | 12 |
| | | | | 42 | 3 |
| 97403 | 13226E7806 | | | 25 | 13 |
| | | | | 26 | 4 |
| 97403 | 13226E7922 | | | 34 | 10 |
| 97403 | 13226E7945 | | | 11 | 9 |
| 97403 | 13226E7946 | | | 11 | 7 |
| 97403 | 13226E7947 | | | 11 | 8 |
| 97403 | 13227E5689-1 | | | 34 | 12 |
| 97403 | 13227E5689-2 | | | 34 | 13 |
| 97403 | 13227E5726-1 | | | 36 | 18 |

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| CAGEC | PART NUMBER | PART NUMBER INDEX | | FIG. | ITEM |
|-------|--------------|-------------------|--------------|------|------|
| | | | STOCK NUMBER | | |
| 97403 | 13227E5735 | | | 34 | 2 |
| 97403 | 13227E5736 | | | 39 | 2 |
| 97403 | 13227E6253 | | | 39 | 3 |
| 31795 | 15330206 | | | 36 | 5 |
| 39428 | 1664AS | | | 10 | 13 |
| 39428 | 1723A2 | | | 21 | 11 |
| | | | | 37 | 2 |
| 03743 | 180-A | | | 11 | 23 |
| 16327 | 2V637 | | | 39 | 21 |
| 03350 | 200 | | | 39 | 20 |
| 39428 | 2069K11 | 4130-01-327-6293 | | 10 | 5 |
| | | | | 10 | 8 |
| | | | | 10 | 35 |
| 79725 | 2100WC | | | 11 | 20 |
| 79725 | 2151-2 | | | 39 | 14 |
| 91967 | 2220 | 5355-00-720-5496 | | 28 | 3 |
| | | | | 30 | 7 |
| 5F993 | 23F5658 | | | 33 | 7 |
| 28520 | 285203210 | | | 36 | 21 |
| 74222 | 30-99-142-12 | | | 10 | 38 |
| 31356 | 31FX60CPS | 6625-01-081-8850 | | 28 | 2 |
| | | | | 30 | 9 |
| 28520 | 3210 | | | 39 | 30 |
| 19557 | 340-4N5 | 6350-00-383-1189 | | 32 | 1 |
| 22003 | 343-0001 | 5930-00-687-0553 | | 33 | 8 |
| 83879 | 4Q-4100 | | | 39 | 1 |
| 90759 | 400 | | | 39 | 25 |
| 08108 | 4510 | 6240-00-556-8657 | | 36 | 7 |
| 81337 | 5-13-3113-1 | | | 38 | 6 |
| 81337 | 5-13-4114-1 | | | 10 | 3 |
| 81337 | 5-13-4686 | | | 18 | 6 |
| 81337 | 5-13-4687 | | | 15 | 12 |
| | | | | 18 | 34 |
| 81337 | 5-13-4695 | | | 18 | 7 |
| 81337 | 5-13-4695-2 | | | 15 | 1 |
| 81337 | 5-13-4696 | | | 15 | 3 |
| | | | | 18 | 10 |
| 81337 | 5-13-4701 | | | 42 | |
| 81337 | 5-13-4703-5 | | | 15 | 9 |
| | | | | 18 | 5 |
| | | | | 21 | 2 |
| 81337 | 5-13-4703-7 | | | 12 | 7 |
| 81337 | 5-13-4704-5 | | | 16 | 1 |
| | | | | 19 | 1 |
| | | | | 22 | 1 |
| 81337 | 5-13-4704-7 | | | 13 | 1 |
| 81337 | 5-13-4705-5 | | | 16 | 7 |
| | | | | 19 | 7 |
| | | | | 22 | 7 |
| 81337 | 5-13-4705-7 | | | 13 | 7 |
| 81337 | 5-13-4708 | | | 14 | 5 |

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| CAGEC | PART NUMBER | PART NUMBER INDEX | | FIG. | ITEM |
|-------|-------------|-------------------|--------------|------|------|
| | | | STOCK NUMBER | | |
| 81337 | 5-13-4708 | | | 17 | 5 |
| | | | | 20 | 5 |
| | | | | 23 | 5 |
| 81337 | 5-13-4711 | | | 13 | 3 |
| | | | | 16 | 3 |
| | | | | 19 | 3 |
| | | | | 22 | 3 |
| | | | | 22 | 3 |
| 81337 | 5-13-4712 | | | 13 | 8 |
| | | | | 16 | 8 |
| | | | | 19 | 8 |
| | | | | 22 | 8 |
| 81337 | 5-13-4713-1 | | | 4 | 12 |
| 81337 | 5-13-4713-2 | | | 3 | 12 |
| 81337 | 5-13-4715 | | | 14 | 2 |
| | | | | 17 | 2 |
| | | | | 20 | 2 |
| | | | | 23 | 2 |
| | | | | 14 | 3 |
| | | | | 17 | 3 |
| 81337 | 5-13-4716 | | | 20 | 3 |
| | | | | 23 | 3 |
| | | | | 15 | |
| | | | | 18 | |
| | | | | 8 | 14 |
| 81337 | 5-13-4717-1 | | | 8 | 18 |
| 81337 | 5-13-4717-3 | | | 8 | 22 |
| 81337 | 5-13-4718 | | | 12 | 8 |
| | | | | 15 | 14 |
| | | | | 15 | 17 |
| | | | | 18 | 33 |
| 81337 | 5-13-4719 | | | 26 | 8 |
| | | | | 2 | 21 |
| | | | | 8 | 20 |
| | | | | 12 | 9 |
| | | | | 15 | 16 |
| 81337 | 5-13-4720 | | | 26 | 9 |
| | | | | 1 | 3 |
| | | | | 2 | 19 |
| | | | | 2 | 20 |
| | | | | 8 | 28 |
| | | | | 11 | 28 |
| | | | | 11 | 29 |
| | | | | 15 | 13 |
| | | | | 15 | 15 |
| | | | | 18 | 31 |
| | | | | 18 | 32 |
| | | | | 41 | 5 |
| | | 81337 | 5-13-4722 | | |
| 81337 | 5-13-4724 | | | 8 | 24 |
| 81337 | 5-13-4733 | | | 3 | 2 |
| 81337 | 5-13-4741-1 | | | 27 | 9 |

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| CAGEC | PART NUMBER | PART NUMBER INDEX | | FIG. | ITEM |
|-------|---------------|-------------------|------------------|------|------|
| | | | STOCK NUMBER | | |
| 81337 | 5-13-4741-2 | | | 27 | 8 |
| 81337 | 5-13-4758 | | | 13 | 10 |
| | | | | 16 | 10 |
| | | | | 19 | 10 |
| | | | | 22 | 10 |
| 81337 | 5-13-4759 | | | 13 | 9 |
| | | | | 16 | 9 |
| | | | | 19 | 9 |
| | | | | 22 | 9 |
| 81337 | 5-13-4760 | | | 12 | 3 |
| 81337 | 5-13-4763 | | | 4 | 2 |
| 81337 | 5-13-4775 | | | 31 | 1 |
| 81337 | 5-13-4775-3 | | | 31 | 3 |
| 81337 | 5-13-4776 | | | 31 | 5 |
| 81337 | 5-13-4777 | | | 49 | 7 |
| 81337 | 5-13-4778 | | | 50 | |
| 81337 | 5-13-4780 | | 6230-01-326-0057 | 11 | 10 |
| 81337 | 5-13-4780-15 | | | 36 | 16 |
| 81337 | 5-13-4781 | | | 36 | 1 |
| 81337 | 5-13-4782-1 | | | 36 | 9 |
| 81337 | 5-13-4782-1-1 | | | 36 | 12 |
| 81337 | 5-13-4782-1-4 | | | 36 | 11 |
| 81337 | 5-13-4782-2 | | | 36 | 10 |
| 81337 | 5-13-4782-2-1 | | | 36 | 14 |
| 81337 | 5-13-4782-2-4 | | | 36 | 13 |
| 81337 | 5-13-4783 | | | 36 | 15 |
| 81337 | 5-13-4784 | | 6625-01-320-8929 | 30 | |
| 81337 | 5-13-4785 | | | 30 | 1 |
| 81337 | 5-13-4789 | | | 32 | |
| 81337 | 5-13-4818 | | | 8 | 25 |
| 81337 | 5-13-4819 | | | 2 | 23 |
| | | | | 8 | 15 |
| 81337 | 5-13-4822 | | | 2 | 22 |
| | | | | 3 | 24 |
| | | | | 4 | 24 |
| | | | | 6 | 21 |
| | | | | 8 | 13 |
| | | | | 8 | 16 |
| | | | | 8 | 19 |
| | | | | 8 | 23 |
| | | | | 10 | 36 |
| | | | | 10 | 63 |
| | | | | 10 | 64 |
| 81337 | 5-13-4824 | | | 8 | 17 |
| | | | | 8 | 21 |
| | | | | 8 | 27 |
| 81337 | 5-13-4836 | | 6110-01-324-6316 | 27 | |
| 81337 | 5-13-4836-15 | | | 27 | 15 |
| 81337 | 5-13-4838 | | | 27 | 3 |
| 81337 | 5-13-4839 | | | 28 | 30 |
| 81337 | 5-13-4842 | | | 27 | 2 |

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| CAGEC | PART NUMBER | PART NUMBER INDEX | | FIG. | ITEM |
|-------|--------------|-------------------|------------------|------|------|
| | | | STOCK NUMBER | | |
| 81337 | 5-13-4843 | | | 28 | 2-9 |
| 81337 | 5-13-4844 | | | 28 | 28 |
| 81337 | 5-13-4845-1 | | | 27 | 28 |
| 81337 | 5-13-4845-2 | | | 27 | 29 |
| 81337 | 5-13-4845-3 | | | 27 | 30 |
| 81337 | 5-13-4845-4 | | | 27 | 31 |
| 81337 | 5-13-4845-5 | | | 27 | 32 |
| 81337 | 5-13-4846-1 | | | 28 | 26 |
| | | | | 30 | 16 |
| 81337 | 5-13-4846-10 | | | 28 | 20 |
| 81337 | 5-13-4846-11 | | | 28 | 25 |
| 81337 | 5-13-4846-2 | | | 30 | 17 |
| 81337 | 5-13-4846-3 | | | 30 | 18 |
| 81337 | 5-13-4846-4 | | | 28 | 21 |
| | | | | 30 | 19 |
| 81337 | 5-13-4846-5 | | | 28 | 19 |
| | | | | 30 | 20 |
| 81337 | 5-13-4846-6 | | | 28 | 27 |
| | | | | 30 | 21 |
| 81337 | 5-13-4846-7 | | | 28 | 22 |
| | | | | 30 | 22 |
| 81337 | 5-13-4846-8 | | | 28 | 23 |
| | | | | 30 | 23 |
| 81337 | 5-13-4846-9 | | | 28 | 24 |
| | | | | 30 | 24 |
| 81337 | 5-13-4851 | | | 27 | 1 |
| 81337 | 5-13-4857 | | 7195-01-316-2689 | 26 | |
| 81337 | 5-13-4857-6 | | | 26 | 7 |
| 81337 | 5-13-4858 | | | 26 | 2 |
| 81337 | 5-13-4861 | | | 26 | 5 |
| 81337 | 5-13-4866 | | | 26 | 6 |
| 81337 | 5-13-4868-1 | | | 25 | 15 |
| 81337 | 5-13-4869 | | | 25 | 11 |
| 81337 | 5-13-4870 | | | 25 | 8 |
| 81337 | 5-13-4871 | | | 25 | 10 |
| 81337 | 5-13-4877 | | | 25 | 14 |
| 81337 | 5-13-4879 | | | 12 | 1 |
| 81337 | 5-13-4880 | | | 12 | |
| 81337 | 5-13-4886 | | | 50 | 10 |
| 81337 | 5-13-4887 | | | 11 | |
| 81337 | 5-13-4889 | | | 10 | |
| 81337 | 5-13-4889-44 | | | 10 | 12 |
| 81337 | 5-13-4890 | | | 10 | 40 |
| 81337 | 5-13-4891 | | | 10 | 20 |
| 81337 | 5-13-4892 | | | 10 | 18 |
| 81337 | 5-13-4893 | | | 10 | 33 |
| 81337 | 5-13-4894 | | | 10 | 19 |
| 81337 | 5-13-4895 | | | 10 | 17 |
| 81337 | 5-13-4896 | | | 10 | 29 |
| 81337 | 5-13-4897 | | | 10 | 47 |
| 81337 | 5-13-4898 | | | 10 | 46 |

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| CAGEC | PART NUMBER | PART NUMBER INDEX | | FIG. | ITEM |
|-------|--------------|-------------------|------------------|------|------|
| | | | STOCK NUMBER | | |
| 81337 | 5-13-4900 | | 4120-01-340-6032 | 3 | 1 |
| 81337 | 5-13-4900-17 | | | 3 | 14 |
| 81337 | 5-13-4901 | | | 10 | 39 |
| 81337 | 5-13-4902 | | | 10 | 31 |
| 81337 | 5-13-4904 | | 4120-01-340-6033 | 4 | 1 |
| 81337 | 5-13-4904-17 | | | 4 | 14 |
| 81337 | 5-13-4905 | | | 10 | 32 |
| 81337 | 5-13-4908 | | | 10 | 48 |
| 81337 | 5-13-4910 | | | 39 | |
| 81337 | 5-13-4910-4 | | | 39 | 4 |
| 81337 | 5-13-4911 | | | 10 | 37 |
| 81337 | 5-13-4912 | | | 10 | 42 |
| 81337 | 5-13-4914-2 | | | 10 | 2 |
| 81337 | 5-13-4916-2 | | | 10 | 34 |
| 81337 | 5-13-4917-1 | | | 10 | 6 |
| 81337 | 5-13-4917-2 | | | 10 | 9 |
| 81337 | 5-13-4918-1 | | | 10 | 7 |
| 81337 | 5-13-4918-2 | | | 10 | 10 |
| 81337 | 5-13-4919 | | | 10 | 26 |
| 81337 | 5-13-4922 | | | 5 | 1 |
| 81337 | 5-13-4923 | | | 8 | 3 |
| 81337 | 5-13-4924 | | | 8 | |
| 81337 | 5-13-4927-1 | | | 3 | 15 |
| 81337 | 5-13-4927-2 | | | 4 | 15 |
| 81337 | 5-13-4931 | | | 4 | 18 |
| 81337 | 5-13-4932 | | | 3 | 22 |
| 81337 | 5-13-4936 | | | 4 | 22 |
| 81337 | 5-13-4939 | | | 3 | 18 |
| 81337 | 5-13-4940 | | | 5 | 2 |
| 81337 | 5-13-4947 | | | 11 | 27 |
| 81337 | 5-13-4948 | | | 37 | 3 |
| 81337 | 5-13-4950 | | | 49 | |
| 81337 | 5-13-4952 | | | 6 | 1 |
| 81337 | 5-13-4953 | | | 6 | 4 |
| 81337 | 5-13-4954 | | | 6 | 17 |
| 81337 | 5-13-4955 | | | 6 | 18 |
| 81337 | 5-13-4956 | | | 6 | 13 |
| 81337 | 5-13-4957-1 | | | 6 | 19 |
| 81337 | 5-13-4957-2 | | | 6 | 20 |
| 81337 | 5-13-4958 | | | 7 | 2 |
| 81337 | 5-13-4959 | | | 6 | 10 |
| 81337 | 5-13-4960 | | | 7 | 3 |
| 81337 | 5-13-4961 | | | 6 | |
| 81337 | 5-13-4961-21 | | | 6 | 11 |
| 81337 | 5-13-4961-22 | | | 6 | 16 |
| 81337 | 5-13-4968 | | | 2 | |
| 81337 | 5-13-4972 | | | 11 | 2 |
| 81337 | 5-13-4973 | | | 35 | 1 |
| 81337 | 5-13-4974 | | | 35 | 3 |
| 81337 | 5-13-4976 | | | 35 | 8 |
| 81337 | 5-13-4977 | | | 34 | |

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| CAGEC | PART NUMBER | PART NUMBER INDEX | | FIG. | ITEM |
|-------|-------------|-------------------|--------------|------|------|
| | | | STOCK NUMBER | | |
| 81337 | 5-13-4980 | | | 39 | 28 |
| 81337 | 5-13-4988 | | | 38 | 2 |
| 81337 | 5-13-4989 | | | 33 | 6 |
| 81337 | 5-13-4990 | | | 33 | 4 |
| 81337 | 5-13-4992 | | | 1 | 1 |
| 81337 | 5-13-4993 | | | 50 | 6 |
| 81337 | 5-13-4994 | | | 2 | 18 |
| 81337 | 5-13-4995 | | | 2 | 14 |
| 81337 | 5-13-4996 | | | 2 | 10 |
| 81337 | 5-13-4998 | | | 2 | 11 |
| 81337 | 5-13-4999 | | | 2 | 15 |
| 81337 | 5-13-5000 | | | 41 | |
| 81337 | 5-13-5005 | | | 11 | 5 |
| 81337 | 5-13-5006 | | | 2 | 8 |
| 81337 | 5-13-5007 | | | 2 | 2 |
| 81337 | 5-13-5008 | | | 2 | 4 |
| 81337 | 5-13-5011 | | | 5 | 9 |
| 81337 | 5-13-5014 | | | 2 | 16 |
| 81337 | 5-13-5015 | | | 2 | 12 |
| 81337 | 5-13-5016 | | | 31 | 15 |
| 81337 | 5-13-5017 | | | 50 | 2 |
| 81337 | 5-13-5018 | | | 50 | 4 |
| 81337 | 5-13-5020 | | | 1 | 2 |
| 81337 | 5-13-5021 | | | 10 | 55 |
| 81337 | 5-13-5025 | | | 29 | |
| 81337 | 5-13-5026 | | | 29 | 2 |
| 81337 | 5-13-5027 | | | 31 | 13 |
| 81337 | 5-13-5029 | | | 29 | 3 |
| 81337 | 5-13-5031-1 | | | 4 | |
| 81337 | 5-13-5031-2 | | | 3 | 9 |
| 81337 | 5-13-5033 | | | 43 | |
| 81337 | 5-13-5034 | | | 48 | |
| 81337 | 5-13-5040 | | | 10 | 56 |
| 81337 | 5-13-5042 | | | 10 | 54 |
| 81337 | 5-13-5043 | | | 10 | 59 |
| 81337 | 5--13-5044 | | | | 10 |
| 81337 | 5-13-5045 | | | 10 | 62 |
| 81337 | 5-13-5046 | | | 10 | 57 |
| 81337 | 5-13-5062 | | | 50 | 5 |
| 81337 | 5-13-5063 | | | 29 | 4 |
| 81337 | 5-13-5064 | | | 10 | 50 |
| 81337 | 5-13-5177 | | | 51 | 1 |
| 81337 | 5-13-5178 | | | 51 | 3 |
| 81337 | 5-13-5180-1 | | | 51 | 10 |
| 81337 | 5-13-5180-2 | | | 51 | 18 |
| 81337 | 5-13-5181 | | | 51 | 11 |
| 81337 | 5-13-5183 | | | 18 | 26 |
| 81337 | 5-13-5186 | | | 21 | 1 |
| 81337 | 5-13-5187 | | | 21 | 4 |
| 81337 | 5-13-5188 | | | 21 | 5 |
| 81337 | 5-13-5189 | | | 21 | 13 |

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| CAGEC | PART NUMBER | PART NUMBER INDEX | | FIG. | ITEM |
|-------|-----------------------|-------------------|--------------|------|------|
| | | | STOCK NUMBER | | |
| 81337 | 5-13-5190 | | | 21 | 12 |
| 81337 | 5-13-5191 | | | 51 | 2 |
| 81337 | 5-13-9732 | | | 38 | 11 |
| 81337 | 5-4-2885 | | | 18 | 16 |
| 81337 | 5-4-2929 | | | 18 | 28 |
| | | | | 38 | 10 |
| 81337 | 5-4-2937-1 | | | 18 | 17 |
| 81337 | 5-4-2937-2 | | | 18 | 29 |
| 81337 | 5-4-2949 | | | 18 | 22 |
| 81337 | 5-4-2954 | | | 9 | 1 |
| 81337 | 5-4-2984 | | | 48 | 1 |
| 81337 | 5-4-3019 | | | 8 | 11 |
| 81337 | 5-4-3042 | | | 2 | 13 |
| | | | | 2 | 17 |
| 81337 | 5-4-3050 | | | 43 | 1 |
| 81337 | 5-4-4822 | | | 48 | 3 |
| 81337 | 5-4-4831 | | | 38 | 12 |
| | | | | 42 | 7 |
| | | | | 46 | 12 |
| 81337 | 5-4-4833 | | | 38 | 13 |
| 81337 | 5-4-4928 | | | 31 | 18 |
| | | | | 39 | 29 |
| | | | | 44 | 6 |
| | | | | 45 | 4 |
| | | | | 47 | 6 |
| | | | | 49 | 9 |
| 81337 | 5-4-4929 | | | 38 | 7 |
| 81337 | 5-4-4930 | | | 42 | 5 |
| 81337 | 5-4-4934 | | | 42 | 6 |
| | | | | 46 | 11 |
| 81337 | 5-4-4935 | | | 31 | 17 |
| | | | | 44 | 5 |
| | | | | 45 | 3 |
| | | | | 47 | 5 |
| | | | | 49 | 8 |
| 81337 | 5-4-4968 | | | 42 | 4 |
| 81337 | 5-4-4969 | | | 38 | 8 |
| 81337 | 5-4-4984 | | | 39 | 18 |
| 81337 | 5-4-5106 | | | 8 | 6 |
| | | | | 25 | 2 |
| | | | | 41 | 3 |
| 81337 | 5-4-5107 | | | 8 | 8 |
| 82685 | 5K809 | | | 10 | 15 |
| | | | | 10 | 16 |
| 72619 | 507-4537-1537-64 0 | 6240-00-893-2507 | | 28 | 5 |
| 72619 | 508-8738-504 | 6210-01-142-0431 | | 35 | 5 |
| 72619 | 508-8745-504 | 6210-00-944-8835 | | 28 | 6 |
| | | | | 30 | 5 |
| 88204 | 52A/SS | 6240-01-024-6370 | | 39 | 24 |
| 39428 | 5266K59 | | | 10 | 51 |

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| CAGEC | PART NUMBER | PART NUMBER INDEX | | FIG. | ITEM |
|-------|----------------|-------------------|--------------|------|------|
| | | | STOCK NUMBER | | |
| 81337 | 6-1-5888-2 | | | 32 | 4 |
| 81337 | 6-1-7503-17 | | | 24 | 9 |
| 81337 | 6-1-7539 | | | 24 | 6 |
| 81337 | 6-1-7543 | | | 46 | |
| 81337 | 6-1-7543-1 | | | 46 | 10 |
| 81337 | 6-1-7543-2 | | | 46 | 4 |
| 81337 | 6-1-7543-3 | | | 46 | 16 |
| 81337 | 6-1-7543-4 | | | 46 | 8 |
| 81337 | 6-1-7543-5 | | | 46 | 7 |
| 81337 | 6-1-7543-6 | | | 46 | 13 |
| 81337 | 6-1-7543-7 | | | 46 | 14 |
| 81337 | 6-1-7543-8 | | | 46 | 5 |
| 81337 | 6-1-7547-6 | | | 24 | 3 |
| 42689 | 60-016-24TYPEF | | | 24 | 8 |
| 42689 | 68-090 | | | 24 | 7 |
| 39428 | 7119K12 | | | 39 | 5 |
| 39428 | 7119K21 | | | 39 | 10 |
| 39428 | 7i27K25 | | | 39 | 6 |
| 09353 | 8168 | 5930-01-056-5150 | | 2 | 3 |
| 2R182 | 8343 | | | 28 | 15 |
| 2R182 | 8345 | | | 30 | 13 |
| 39428 | 8614K23 | | | 3 | 16 |
| | | | | 4 | 16 |
| 39428 | 90975A029 | | | 10 | 24 |
| | | | | 10 | 27 |
| | | | | 11 | 15 |
| 39428 | 9350OK1 | | | 6 | 15 |
| 39428 | 9385K21 | | | 3 | 23 |
| | | | | 4 | 23 |
| 39428 | 9417K4 | | | 11 | 16 |
| 19738 | 9504-08 | | | 18 | 30 |
| 39428 | 9620K24 | 5360-01-331-6404 | | 14 | 4 |
| | | | | 17 | 4 |
| | | | | 20 | 4 |
| | | | | 23 | 4 |

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FIGURE AND ITEM NUMBER INDEX

| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NUMBER |
|------|------|------------------|-------|-------------------------|
| 1 | 1 | | 81337 | 5-13-4992 |
| 1 | 2 | | 81337 | 5-13-5020 |
| 1 | 3 | | 81337 | 5-13-4720 |
| 1 | 4 | | 96906 | MS90725-6 |
| 1 | 5 | | 96906 | MS35338-44 |
| 1 | 6 | | 96906 | MS15795-410 |
| 2 | | | 81337 | 5-13-4968 |
| 2 | 1 | | 96906 | MS27130-A20 |
| 2 | 2 | | 81337 | 5-13-5007 |
| 2 | 3 | 5930-01-056-5150 | 09353 | 8168 |
| 2 | 4 | | 81337 | 5-13-5008 |
| 2 | 5 | | 96906 | MS35191-274 |
| 2 | 6 | | 96906 | MS35338-43 |
| 2 | 7 | | 96906 | MS15795-408 |
| 2 | 8 | | 81337 | 5-13-5006 |
| 2 | 9 | | 81349 | MIL-R-24243/6-A4 04H |
| 2 | 10 | | 81337 | 5-13-4996 |
| 2 | 11 | | 81337 | 5-13-4998 |
| 2 | 12 | | 81337 | 5-13-5015 |
| 2 | 13 | | 81337 | 5-4-3042 |
| 2 | 14 | | 81337 | 5-13-4995 |
| 2 | 15 | | 81337 | 5-13-4999 |
| 2 | 16 | | 81337 | 5-13-5014 |
| 2 | 17 | | 81337 | 5-4-3042 |
| 2 | 18 | | 81337 | 5-13-4994 |
| 2 | 19 | | 81337 | 5-13-4720 |
| 2 | 20 | | 81337 | 5-13-4720 |
| 2 | 21 | | 81337 | 5-13-4719 |
| 2 | 22 | | 81337 | 5-13-4822 |
| 2 | 23 | | 81337 | 5-13-4819 |
| 3 | 1 | 4120-01-340-6032 | 81337 | 5-13-4900 |
| 3 | 2 | | 81337 | 5-13-4733 |
| 3 | 3 | | 96906 | MS35650-5 |
| 3 | 4 | | 96906 | MS35338-140 |
| 3 | 5 | | 96906 | MS15795-812 |
| 3 | 6 | | 96906 | MS51957-30 |
| 3 | 7 | | 96906 | MS35338-136 |
| 3 | 8 | | 96906 | MS15795-805 |
| 3 | 9 | | 81337 | 5-13-5031-2 |
| 3 | 10 | | 96906 | MS35649-264 |
| 3 | 11 | | 81349 | MIL-R-24243/3B40 4 |
| 3 | 12 | | 81337 | 5-13-4713-2 |
| 3 | 13 | 5975-01-036-9575 | 96906 | MS3368-1-OB |
| 3 | 14 | | 81337 | 5-13-4900-17 |
| 3 | 15 | | 81337 | 5-13-4927-1 |
| 3 | 16 | | 39428 | 8614K23 |
| 3 | 17 | | 96906 | MS24630-48 |
| 3 | 18 | | 81337 | 5-13-4939 |
| 3 | 19 | | 96906 | MS90728-8 |

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| 3 | 20 | | 96906 | MS35338-44 |
| 3 | 21 | | 96906 | MS15795-410 |
| 3 | 22 | | 81337 | 5-13-4932 |
| 3 | 23 | | 39428 | 9385K21 |
| 3 | 24 | | 81337 | 5-13-4822 |
| 4 | 1 | 4120-01-340-6033 | 81337 | 5-13-4904 |
| 4 | 2 | | 81337 | 5-13-4763 |
| 4 | 3 | | 96906 | MS35650-5 |
| 4 | 4 | | 96906 | MS35338-140 |
| 4 | 5 | | 96906 | MS15795-812 |
| 4 | 6 | | 96906 | M551957-30 |
| 4 | 7 | | 96906 | MS35338-136 |
| 4 | 8 | | 96906 | MS15795-805 |
| 4 | 9 | | 81337 | 5-13-5031-1 |
| 4 | 10 | | 96906 | MS35649-264 |
| 4 | 11 | | 81349 | MIL-R-24243/3B40 |
| 4 | 12 | | 81337 | 4 |
| 4 | 13 | 5975-01-036-9575 | 96906 | 5-13-4713-1 |
| 4 | 14 | | 81337 | MS3368-1-OB |
| 4 | 15 | | 81337 | 5-13-4904-17 |
| 4 | 16 | | 81337 | 5-13-4927-2 |
| 4 | 17 | | 39428 | 8614K23 |
| 4 | 18 | | 96906 | MS24630-48 |
| 4 | 19 | | 81337 | 5-13-4931 |
| 4 | 20 | | 96906 | MS90728-8 |
| 4 | 21 | | 96906 | MS.35338-44 |
| 4 | 22 | | 96906 | MS15795-410 |
| 4 | 23 | | 81337 | 5-13-4936 |
| 4 | 24 | | 39428 | 9385K21 |
| 4 | 24 | | 81337 | 5-13-4822 |
| 5 | 1 | | 81337 | 5-13-4922 |
| 5 | 2 | | 81337 | 5-13-4940 |
| 5 | 3 | | 96906 | MS51849-95 |
| 5 | 4 | | 96906 | MS35338-44 |
| 5 | 5 | | 96906 | MS.15795-410 |
| 5 | 6 | | 96906 | MS35649-2252 |
| 5 | 7 | | 96906 | MS90725-13 |
| 5 | 8 | | 96906 | MS51861-37 |
| 5 | 9 | | 81337 | 5-13-5011 |
| 6 | | | 81337 | 5-13-4961 |
| 6 | 1 | | 81337 | 5-13-4952 |
| 6 | 2 | | 96906 | MS27130-A19 |
| 6 | 3 | | 96906 | MS27130-A31 |
| 6 | 4 | | 81337 | 5-13-4953 |
| 6 | 5 | | 96906 | MS27130-A31 |
| 6 | 6 | | 96906 | MS27130-A19 |
| 6 | 7 | | 96906 | MS35191-274 |
| 6 | 8 | | 9R714 | C808-4 |
| 6 | 9 | | 96906 | MS35207-264 |
| 6 | 10 | | 81337 | 5-13-4959 |
| 6 | 11 | | 81337 | 5-13-4961-21 |

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| 6 | 12 | | 96906 | MS90725-6 |
| 6 | 13 | | 81337 | 5-13-4956 |
| 6 | 14 | | 9R714 | C93-15 |
| 6 | 15 | | 39428 | 9350K1 |
| 6 | 16 | | 81337 | 5-13-4961-22 |
| 6 | 17 | | 81337 | 5-13-4954 |
| 6 | 18 | | 81337 | 5-13-4955 |
| 6 | 19 | | 81337 | 5-13-4957-1 |
| 6 | 20 | | 81337 | 5-13-4957-2 |
| 6 | 21 | | 81337 | 5-13-4822 |
| 7 | 1 | | 81349 | M24243/3B404 |
| 7 | 2 | | 81337 | 5-13-4958 |
| 7 | 3 | | 81337 | 5-13-4960 |
| 8 | | | 81337 | 5-13-4924 |
| 8 | 1 | | 96906 | MS21316-36 |
| 8 | 2 | | 96906 | MS35335-33 |
| 8 | 3 | | 81337 | 5-13-4923 |
| 8 | 4 | | 96906 | MS27130-A31 |
| 8 | 5 | | 96906 | MS35206-245 |
| 8 | 6 | | 81337 | 5-4-5106 |
| 8 | 7 | | 96906 | MS27130-A13 |
| 8 | 8 | | 81337 | 5-4-5107 |
| 8 | 9 | | 96906 | MS27130-A37 |
| 8 | 10 | | 96906 | MS20601-AD4W4 |
| 8 | 11 | | 81337 | 5-4-3019 |
| 8 | 12 | | 97403 | 13226E4557 |
| 8 | 13 | | 81337 | 5-13-4822 |
| 8 | 14 | | 81337 | 5-13-4718 |
| 8 | 15 | | 81337 | 5-13-4819 |
| 8 | 16 | | 81337 | 5-13-4822 |
| 8 | 17 | | 81337 | 5-13-4824 |
| 8 | 18 | | 81337 | 5-13-4718 |
| 8 | 19 | | 81337 | 5-13-4822 |
| 8 | 20 | | 81337 | 5-13-4719 |
| 8 | 21 | | 81337 | 5-13-4824 |
| 8 | 22 | | 81337 | 5-13-4718 |
| 8 | 23 | | 81337 | 5-13-4822 |
| 8 | 24 | | 81337 | 5-13-4724 |
| 8 | 25 | | 81337 | 5-13-4818 |
| 8 | 26 | | 81337 | 5-13-4722 |
| 8 | 27 | | 81337 | 5-13-4824 |
| 8 | 28 | | 81337 | 5-13-4720 |
| 9 | 1 | | 81337 | 5-4-2954 |
| 10 | | | 81337 | 5-13-4889 |
| 10 | 1 | | 96906 | MS24630-48 |
| 10 | 2 | | 81337 | 5-13-4914-2 |
| 10 | 3 | | 81337 | 5-13-4114-1 |
| 10 | 4 | | 96906 | MS51862-12C |
| 10 | 5 | 4130-01-327-6293 | 39428 | 2069K11 |
| 10 | 6 | | 81337 | 5-13-4917-1 |
| 10 | 7 | | 81337 | 5-13-4918-1 |

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| 10 | 8 | 4130-01-327-6293 | 39428 | 2069K11 |
| 10 | 9 | | 81337 | 5-13-4917-2 |
| 10 | 10 | | 81337 | 5-13-4918-2 |
| 10 | 11 | | 96906 | MS51861-47 |
| 10 | 12 | | 81337 | 5-13-4889-44 |
| 10 | 13 | | 39428 | 1664AS |
| 10 | 14 | | 81349 | MIL-R-24243/6-A4 05H |
| 10 | 15 | | 82685 | 5K809 |
| 10 | 16 | | 82685 | 5K809 |
| 10 | 17 | | 81337 | 5-13-4895 |
| 10 | 18 | | 81337 | 5-13-4892 |
| 10 | 19 | | 81337 | 5-13-4894 |
| 10 | 20 | | 81337 | 5-13-4891 |
| 10 | 21 | | 96906 | MS90728-8 |
| 10 | 22 | | 96906 | MS35338-44 |
| 10 | 23 | | 96906 | MS15795-410 |
| 10 | 24 | | 39428 | 90975A029 |
| 10 | 25 | | 96906 | MS90725-13 |
| 10 | 26 | | 81337 | 5-13-4919 |
| 10 | 27 | | 39428 | 90975A029 |
| 10 | 28 | | 96906 | MS90725-6 |
| 10 | 29 | | 81337 | 5-13-4896 |
| 10 | 30 | | 96906 | MS35649-2252 |
| 10 | 31 | | 81337 | 5-13-4902 |
| 10 | 32 | | 81337 | 5-13-4905 |
| 10 | 33 | | 81337 | 5-13-4893 |
| 10 | 34 | | 81337 | 5-13-4916-2 |
| 10 | 35 | 4130-01-327-6293 | 39428 | 2069K11 |
| 10 | 36 | | 81337 | 5-13-4822 |
| 10 | 37 | | 81337 | 5-13-4911 |
| 10 | 38 | | 74222 | 30-99-142-12 |
| 10 | 39 | | 81337 | 5-13-4901 |
| 10 | 40 | | 81337 | 5-13-4890 |
| 10 | 41 | | 96906 | MS35191-291 |
| 10 | 42 | | 81337 | 5-13-4912 |
| 10 | 43 | | 96906 | MS24693-26 |
| 10 | 44 | | 96906 | MS35333-37 |
| 10 | 45 | | 96906 | MS35649-262 |
| 10 | 46 | | 81337 | 5-13-4898 |
| 10 | 47 | | 81337 | 5-13-4897 |
| 10 | 48 | | 81337 | 5-13-4908 |
| 10 | 49 | | 96906 | MS21316-36 |
| 10 | 50 | | 81337 | 5-13-5064 |
| 10 | 51 | | 39428 | 5266K59 |
| 10 | 52 | | 96906 | MS27130-A26 |
| 10 | 53 | | 96906 | MS20600-B6W3 |
| 10 | 54 | | 81337 | 5-13-5042 |
| 10 | 55 | | 81337 | 5-13-5021 |
| 10 | 56 | | 81337 | 5-13-5040 |
| 10 | 57 | | 81337 | 5-13-5046 |

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| 10 | 58 | | 96906 | MS20600-B6W5 |
| 10 | 59 | | 81337 | 5-13-5043 |
| 10 | 60 | | 39428 | 1224T25 |
| 10 | 61 | | 81337 | 5-13-5044 |
| 10 | 62 | | 81337 | 5-13-5045 |
| 10 | 63 | | 81337 | 5-13-4822 |
| 10 | 64 | | 81337 | 5-13-4822 |
| 11 | | | 81337 | 5-13-4887 |
| 11 | 1 | | 96906 | MS51861-37 |
| 11 | 2 | | 81337 | 5-13-4972 |
| 11 | 3 | | 96906 | MS51861-49 |
| 11 | 4 | 6685-01-188-3338 | 15806 | HTAB-169 |
| 11 | 5 | | 81337 | 5-13-5005 |
| 11 | 6 | | 96906 | MS35492-253 |
| 11 | 7 | | 97403 | 13226E7946 |
| 11 | 8 | | 97403 | 13226E7947 |
| 11 | 9 | | 97403 | 13226E7945 |
| 11 | 10 | 6230-01-326-0057 | 81337 | 5-13-4780 |
| 11 | 11 | | 96906 | MS90725-11 |
| 11 | 12 | | 96906 | MS35338-44 |
| 11 | 13 | | 96906 | MS15795-410 |
| 11 | 14 | | 96906 | MS15795-442 |
| 11 | 15 | | 39428 | 90975A029 |
| 11 | 16 | | 39428 | 9417K4 |
| 11 | 17 | | 79725 | G-2100C |
| 11 | 18 | | 79725 | G-2100B |
| 11 | 19 | | 96906 | MS35492-52 |
| 11 | 20 | | 79725 | 2100WC |
| 11 | 21 | | 79725 | G-2106 |
| 11 | 22 | | 79725 | G-20115 |
| 11 | 23 | | 03743 | 180-A |
| 11 | 24 | | 79725 | G-2141 |
| 11 | 25 | | 81345 | UL 514AANDUL 514 |
| 11 | 26 | | 81348 | W-C-596/12-4 |
| 11 | 27 | | 81337 | 5-13-4947 |
| 11 | 28 | | 81337 | 5-13-4720 |
| 11 | 29 | | 81337 | 5-13-4720 |
| 12 | | | 81337 | 5-13-4880 |
| 12 | 1 | | 81337 | 5-13-4879 |
| 12 | 2 | | 96906 | MS90728-8 |
| 12 | 3 | | 81337 | 5-13-4760 |
| 12 | 4 | | 96906 | MS35338-44 |
| 12 | 5 | | 96906 | MS15795-410 |
| 12 | 6 | | 96906 | MS35649-2252 |
| 12 | 7 | | 81337 | 5-13-4703-7 |
| 12 | 8 | | 81337 | 5-13-4718 |
| 12 | 9 | | 81337 | 5-13-4719 |
| 13 | 1 | | 81337 | 5-13-4704-7 |
| 13 | 2 | | 96906 | MS51095-303 |
| 13 | 3 | | 81337 | 5-13-4711 |
| 13 | 4 | | 96906 | MS16998-74 |

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|------|------|------------------|-------|--------------|
| 13 | 5 | | 96906 | M5S15795-417 |
| 13 | 6 | | 96906 | MS15795-414 |
| 13 | 7 | | 81337 | 5-13-4705-7 |
| 13 | 8 | | 81337 | 5-13-4712 |
| 13 | 9 | | 81337 | 5-13-4759 |
| 13 | 10 | | 81337 | 5-13-4758 |
| 14 | 1 | | 96906 | MS16556-29 |
| 14 | 2 | | 81337 | 5-13-4715 |
| 14 | 3 | | 81337 | 5-13-4716 |
| 14 | 4 | 5360-01-331-6404 | 39428 | 9620K24 |
| 14 | 5 | | 81337 | 5-13-4708 |
| 14 | 6 | | 96906 | MS51849-95 |
| 14 | 7 | | 96906 | MS15795-410 |
| 14 | 8 | | 96906 | M:S35338-44 |
| 14 | 9 | | 96906 | MS35649-2252 |
| 14 | 10 | | 25472 | 13-40-XKN |
| 15 | | | 81337 | 5-13-4717-1 |
| 15 | 1 | | 81337 | 5-13-4695-2 |
| 15 | 2 | | 96906 | MS35335-33 |
| 15 | 3 | | 81337 | 5-13-4696 |
| 15 | 4 | | 96906 | MS27130-A31 |
| 15 | 5 | | 96906 | MS90728-8 |
| 15 | 6 | | 96906 | MS15795-410 |
| 15 | 7 | | 96906 | MS35338-44 |
| 15 | 8 | | 96906 | MS35649-2252 |
| 15 | 9 | | 81337 | 5-13-4703-5 |
| 15 | 10 | | 96906 | MS20600-B6W6 |
| 15 | 11 | | 98003 | H5371BA |
| 15 | 12 | | 81337 | 5-13-4687 |
| 15 | 13 | | 81337 | 5-13-4720 |
| 15 | 14 | | 81337 | 5-13-4718 |
| 15 | 15 | | 81337 | 5-13-4720 |
| 15 | 16 | | 81337 | 5-13-4719 |
| 15 | 17 | | 81337 | 5-13-4718 |
| 16 | 1 | | 81337 | 5-13-4704-5 |
| 16 | 2 | | 96906 | MS51095-303 |
| 16 | 3 | | 81337 | 5-13-4711 |
| 16 | 4 | | 96906 | MS16998-74 |
| 16 | 5 | | 96906 | MS15795-417 |
| 16 | 6 | | 96906 | MS15795-414 |
| 16 | 7 | | 81337 | 5-13-4705-5 |
| 16 | 8 | | 81337 | 5-13-4712 |
| 16 | 9 | | 81337 | 5-13-4759 |
| 16 | 10 | | 81337 | 5-13-4758 |
| 17 | 1 | | 96906 | MS16556-29 |
| 17 | 2 | | 81337 | 5-13-4715 |
| 17 | 3 | | 81337 | 5-13-4716 |
| 17 | 4 | 5360-01-331-6404 | 39428 | 9620K24 |
| 17 | 5 | | 81337 | 5-13-4708 |
| 17 | 6 | | 96906 | MS51849-95 |
| 17 | 7 | | 96906 | MS15795-410 |

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| 17 | 8 | | 96906 | MS35338-44 |
| 17 | 9 | | 96906 | MS35649-2252 |
| 17 | 10 | | 25472 | 13-40-XKN |
| 18 | | | 81337 | 5-13-4717-3 |
| 18 | 1 | | 96906 | MS35649-2252 |
| 18 | 2 | | 96906 | MS35338-44 |
| 18 | 3 | | 96906 | MS15795-410 |
| 18 | 4 | | 96906 | MS90728-8 |
| 18 | 5 | | 81337 | 5-13-4703-5 |
| 18 | 6 | | 81337 | 5-13-4686 |
| 18 | 7 | | 81337 | 5-13-4695 |
| 18 | 8 | 5305-00-056-9385 | 96906 | MS21316-35 |
| 18 | 9 | | 96906 | MS35335-33 |
| 18 | 10 | | 81337 | 5-13-4696 |
| 18 | 11 | | 96906 | MS27130-A31 |
| 18 | 12 | | 96906 | MS35649-2252 |
| 18 | 13 | | 96906 | MS35338-44 |
| 18 | 14 | | 96906 | MS15795-410 |
| 18 | 15 | | 96906 | MS24693-108 |
| 18 | 16 | | 81337 | 5-4-2885 |
| 18 | 17 | | 81337 | 5-4-2937-1 |
| 18 | 18 | | 96906 | MS35649-2312 |
| 18 | 19 | | 96906 | MS35338-45 |
| 18 | 20 | | 96906 | MS15795-812 |
| 18 | 21 | | 96906 | MS90725-32 |
| 18 | 22 | | 81337 | 5-4-2949 |
| 18 | 23 | | 96906 | MS20600-B6W6 |
| 18 | 24 | | 98003 | H5371BA |
| 18 | 25 | | 96906 | MS24243/6-A606H |
| 18 | 26 | | 81337 | 5-13-5183 |
| 18 | 27 | | 96906 | MS51959-88 |
| 18 | 28 | | 81337 | 5-4-2929 |
| 18 | 29 | | 81337 | 5-4-2937-2 |
| 18 | 30 | | 19738 | 9504-08 |
| 18 | 31 | | 81337 | 5-13-4720 |
| 18 | 32 | | 81337 | 5-13-4720 |
| 18 | 33 | | 81337 | 5-13-4718 |
| 18 | 34 | | 81337 | 5-13-4687 |
| 19 | 1 | | 81337 | 5-13-4704-5 |
| 19 | 2 | | 96906 | MS51095-303 |
| 19 | 3 | | 81337 | 5-13-4711 |
| 19 | 4 | | 96906 | M516998-74 |
| 19 | 5 | | 96906 | MS15795-417 |
| 19 | 6 | | 96906 | MS15795-414 |
| 19 | 7 | | 81337 | 5-13-4705-5 |
| 19 | 8 | | 81337 | 5-13-4712 |
| 19 | 9 | | 81337 | 5-13-4759 |
| 19 | 10 | | 81337 | 5-13-4758 |
| 20 | 1 | | 96906 | MS16556-29 |
| 20 | 2 | | 81337 | 5-13-4715 |
| 20 | 3 | | 81337 | 5-13-4716 |

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| 20 | 4 | 5360-01-331-6404 | 39428 | 9620K24 |
| 20 | 5 | | 81337 | 5-13-4708 |
| 20 | 6 | | 96906 | MS51849-95 |
| 20 | 7 | | 96906 | MS15795-410 |
| 20 | 8 | | 96906 | MS35338-44 |
| 20 | 9 | | 96906 | MS35649-2252 |
| 20 | 10 | | 25472 | 13-40-XKN |
| 21 | 1 | | 81337 | 5-13-5186 |
| 21 | 2 | | 81337 | 5-13-4703-5 |
| 21 | 3 | | 88044 | AN505-416R18 |
| 21 | 4 | | 81337 | 5-13-5187 |
| 21 | 5 | | 81337 | 5-13-5188 |
| 21 | 6 | | 96906 | MS35649-2252 |
| 21 | 7 | | 96906 | AN935-416 |
| 21 | 8 | | 96906 | MS15795-410 |
| 21 | 9 | | 96906 | MS90725-10 |
| 21 | 10 | | 75536 | 10640792-1 |
| 21 | 11 | | 39428 | 1723A2 |
| 21 | 12 | | 81337 | 5-13-5190 |
| 21 | 13 | | 81337 | 5-13-5189 |
| 22 | 1 | | 81337 | 5-13-4704-5 |
| 22 | 2 | | 96906 | MS51095-303 |
| 22 | 3 | | 81337 | 5-13-4711 |
| 22 | 4 | | 96906 | MS16998-74 |
| 22 | 5 | | 96906 | MS15795-417 |
| 22 | 6 | | 96906 | MS15795-414 |
| 22 | 7 | | 81337 | 5-13-4705-5 |
| 22 | 8 | | 81337 | 5-13-4712 |
| 22 | 9 | | 81337 | 5-13-4759 |
| 22 | 10 | | 81337 | 5-13-4758 |
| 23 | 1 | | 96906 | MS16556-29 |
| 23 | 2 | | 81337 | 5-13-4715 |
| 23 | 3 | | 81337 | 5-13-4716 |
| 23 | 4 | 5360-01-331-6404 | 39428 | 9620K24 |
| 23 | 5 | | 81337 | 5-13-4708 |
| 23 | 6 | | 96906 | MS51849-95 |
| 23 | 7 | | 96906 | MS15795-410 |
| 23 | 8 | | 96906 | MS35338-44 |
| 23 | 9 | | 96906 | MS35649-2252 |
| 23 | 10 | | 25472 | 13-40-XKN |
| 24 | 1 | | 96906 | MS90725-17 |
| 24 | 2 | | 96906 | MS27183-10 |
| 24 | 3 | | 81337 | 6-1-7547-6 |
| 24 | 4 | | 96906 | MS35338-44 |
| 24 | 5 | | 96906 | MS35649-2252 |
| 24 | 6 | | 81337 | 6-1-7539 |
| 24 | 7 | | 42689 | 68-090 |
| 24 | 8 | | 42689 | 60-016-24TYPEF |
| 24 | 9 | | 81337 | 6-1-7503-17 |
| 25 | 1 | | 96906 | MS35206-261 |
| 25 | 2 | | 81337 | 5-4-5106 |

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| 25 | 3 | | 96906 | MS35335-32 |
| 25 | 4 | | 96906 | MS35649-202 |
| 25 | 5 | | 81349 | M24243/3B404 |
| 25 | 6 | | 96906 | MS51939-2 |
| 25 | 7 | | 96906 | MS24617-46 |
| 25 | 8 | | 81337 | 5-13-4870 |
| 25 | 9 | | 96906 | MS51861-47 |
| 25 | 10 | | | 81337 5-13-4871 |
| 25 | 11 | | | 81337 5-13-4869 |
| 25 | 12 | | 96906 | MS51861-37 |
| 25 | 13 | | 97403 | 13226E7806 |
| 25 | 14 | | 81337 | 5-13-4877 |
| 25 | 15 | | 81337 | 5-13-4868-1 |
| 26 | | 7195-01-316-2689 | 81337 | 5-13-4857 |
| 26 | 1 | | 96906 | MS51861-47 |
| 26 | 2 | | 81337 | 5-13-4858 |
| 26 | 3 | | 96906 | MS51861-37 |
| 26 | 4 | | 97403 | 13226E7806 |
| 26 | 5 | | 81337 | 5-13-4861 |
| 26 | 6 | | 81337 | 5-13-4866 |
| 26 | 7 | | 81337 | 5-13-4857-6 |
| 26 | 8 | | 81337 | 5-13-4718 |
| 26 | 9 | | 81337 | 5-13-4719 |
| 26 | 10 | | 96906 | MS51861-37 |
| 26 | 11 | | 96906 | MS51939-1 |
| 27 | | 6110-01-324-6316 | 81337 | 5-13-4836 |
| 27 | 1 | | 81337 | 5-13-4851 |
| 27 | 2 | | 81337 | 5-13-4842 |
| 27 | 3 | | 81337 | 5-13-4838 |
| 27 | 4 | | 96906 | MS90558-C52413P |
| 27 | 5 | | 96906 | MS90555-C44412S |
| 27 | 6 | 5935-00-229-2423 | 49367 | ZZMWB1516 |
| 27 | 7 | 5935-00-924-0061 | 49367 | ZZM16-23S |
| 27 | 8 | | 81337 | 5-13-4741-2 |
| 27 | 9 | | 81337 | 5-13-4741-1 |
| 27 | 10 | | 96906 | MS35207-263 |
| 27 | 11 | | 96906 | MS15795-408 |
| 27 | 12 | | 96906 | MS35338-43 |
| 27 | 13 | 5925-01-335-8931 | 56365 | KAL3625032M |
| 27 | 14 | | 56365 | PDC6KA4 |
| 27 | 15 | | 81337 | 5-13-4836-15 |
| 27 | 16 | | 96906 | MS90725-6 |
| 27 | 17 | | 96906 | MS35338-44 |
| 27 | 18 | | 96906 | MS15795-509 |
| 27 | 19 | | 96906 | MS35649-2252 |
| 27 | 20 | | 96906 | MS90725-13 |
| 27 | 21 | | 96906 | MS27130-A27 |
| 27 | 22 | | 96906 | MS35649-202 |
| 27 | 23 | | 96906 | MS35207-264 |
| 27 | 24 | | 96906 | MS35206-342 |
| 27 | 25 | | 96906 | MS27130-A20 |

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FIGURE AND ITEM NUMBER INDEX

| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NUMBER |
|------|------|-------------------|-------|-----------------------|
| 27 | 26 | | 98003 | H5371BA |
| 27 | 27 | | 96906 | MS20600-B4W6 |
| 27 | 28 | | 81337 | 5-13-4845-1 |
| 27 | 29 | | 81337 | 5-13-4845-2 |
| 27 | 30 | | 81337 | 5-13-4845-3 |
| 27 | 31 | | 81337 | 5-13-4845-4 |
| 27 | 32 | | 81337 | 5-13-4845-5 |
| 27 | 33 | | 96906 | MS51959-84 |
| 27 | 34 | | 49367 | ZZM-W-2116 |
| 27 | 35 | | 71785 | P-408-CCT |
| 27 | 36 | | 71785 | S-408-CCT |
| 28 | 1 | 6625-00-964-7927 | 55026 | 1022.0 |
| 28 | 2 | 6625-01-081-8850 | 31356 | 31FX60CPS |
| 28 | 3 | 5355-00-720-5496 | 91967 | 2220 |
| 28 | 4 | 5930-00-735-2803 | 71590 | PA1001M |
| 28 | 5 | 6240-00-893-2507 | 72619 | 507-4537-1537-64 0 |
| 28 | 6 | 6210-00-944-8835 | 72619 | 508.-8745-504 |
| 28 | 7 | 5930-01-167-7035 | 96906 | MS27736-28 |
| 28 | 8 | | 81349 | M19207/16-FHN26G 1 |
| 28 | 9 | 5920-00-280-8342 | 81349 | F02A250V1A |
| 28 | 10 | | 96906 | MS51959-43 |
| 28 | 11 | | 96906 | MS35333-72 |
| 28 | 12 | | 96906 | MS25281-F6 |
| 28 | 13 | | 96906 | MS35649-282 |
| 28 | 14 | | 96906 | MS51959-26 |
| 28 | 15 | | 2R182 | 8343 |
| 28 | 16 | 5999-01-178-0168 | 97403 | 13225E3283 |
| 28 | 17 | | 96906 | MS35206-226 |
| 28 | 18 | | 96906 | MS35338-41 |
| 28 | 19 | | 81337 | 5-13-4846-5 |
| 28 | 20 | | 81337 | 5-13-4846-10 |
| 28 | 21 | | 81337 | 5-13-4846-4 |
| 28 | 22 | | 81337 | 5-13-4846-7 |
| 28 | 23 | | 81337 | 5-13-4846-8 |
| 28 | 24 | | 81337 | 5-13-4846-9 |
| 28 | 25 | | 81337 | 5-13-4846-11 |
| 28 | 26 | | 81337 | 5-13-4846-1 |
| 28 | 27 | | 81337 | 5-13-4846-6 |
| 28 | 28 | | 81337 | 5-13-4844 |
| 28 | 29 | | 81337 | 5-13-4843 |
| 28 | 30 | | 81337 | 5-13-4839 |
| 29 | | | 81337 | 5-13-5025 |
| 29 | 1 | | 96906 | MS20604-B4T6 |
| 29 | 2 | | 81337 | 5-13-5026 |
| 29 | 3 | | 81337 | 5-13-5029 |
| 29 | 4 | | 81337 | 5-13-5063 |
| 30 | | 6625-01-320-8929 | 81337 | 5-13-4784 |
| 30 | 1 | | 81337 | 5-13-4785 |
| 30 | 2 | 6625-0.0-964-7927 | 55026 | 10220 |

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FIGURE AND ITEM NUMBER INDEX

| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NUMBER |
|------|------|------------------|-------|-----------------------|
| 30 | 3 | | 81349 | M19207/16-FHN26G 1 |
| 30 | 4 | 5920-00-280-8342 | 81349 | FO2A250V1A |
| 30 | 5 | 6210-00-944-8835 | 72619 | 508-8745-504 |
| 30 | 6 | 6240-00-893-2507 | 07294 | CN04WCSN114 |
| 30 | 7 | | 83330 | 2220 |
| 30 | 8 | 5930-00-735-2803 | 71590 | PA-1001M |
| 30 | 9 | 6625-01-081-8850 | 31356 | 31FX60CPS |
| 30 | 10 | 5930-01-167-7035 | 96906 | MS27736-28 |
| 30 | 11 | | 96906 | MS35206-226 |
| 30 | 12 | | 96906 | MS35338-41 |
| 30 | 13 | | 2R182 | 8345 |
| 30 | 14 | | 96906 | MS51959-26 |
| 30 | 15 | 5999-01-178-0168 | 97403 | 13225E3283 |
| 30 | 16 | | 81337 | 5-13-4846-1 |
| 30 | 17 | | 81337 | 5-13-4846-2 |
| 30 | 18 | | 81337 | 5-13-4846-3 |
| 30 | 19 | | 81337 | 5-13-4846-4 |
| 30 | 20 | | 81337 | 5-13-4846-5 |
| 30 | 21 | | 81337 | 5-13-4846-6 |
| 30 | 22 | | 81337 | 5-13-4846-7 |
| 30 | 23 | | 81337 | 5-13-4846-8 |
| 30 | 24 | | 81337 | 5-13-4846-9 |
| 31 | 1 | | 81337 | 5-13-4775 |
| 31 | 2 | | 97403 | 13226E4527 |
| 31 | 3 | | 81337 | 5-13-4775-3 |
| 31 | 4 | | 96906 | MS20600/MP4W6 |
| 31 | 5 | | 81337 | 5-13-4776 |
| 31 | 6 | | 81349 | MIL-F-21840 |
| 31 | 7 | | 96906 | MS35822-9 |
| 31 | 8 | | 96906 | MS35206-264 |
| 31 | 9 | | 96906 | MS35338-43 |
| 31 | 10 | | 96906 | MS15795-442 |
| ,31 | 11 | | 96906 | MS27130-419 |
| 31 | 12 | | 96906 | MS35206-270 |
| 31 | 13 | | 81337 | 5-13-5027 |
| 31 | 14 | | 96906 | MS35207-267 |
| 31 | 15 | | 81337 | 5-13-5016 |
| 31 | 16 | | 84120 | 05-0065-00 |
| 31 | 17 | | 81337 | 5-4-4935 |
| 31 | 18 | | 81337 | 5-4-4928 |
| 32 | | | 81337 | 5-13-4789 |
| 32 | 1 | 6350-00-383-1189 | 19557 | 340-4N5 |
| 32 | 2 | | 81349 | M16878/5BGEO |
| 32 | 3 | | 81349 | M16878/5BGEO |
| 32 | 4 | | 81337 | 6-1-5888-2 |
| 32 | 5 | | 81349 | M24243/6-A403H |
| 33 | 1 | | 96906 | MS35206-245 |
| 33 | 2 | | 96906 | MS15795-407 |
| 33 | 3 | | 96906 | MS35338-42 |
| 33 | 4 | | 81337 | 5-13-4990 |

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| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NUMBER |
|------|------|------------------|-------|---------------|
| 33 | 5 | | 96906 | MS27130-A13 |
| 33 | 6 | | 81337 | 5-13-4989 |
| 33 | 7 | | 5F993 | 23F5658 |
| 33 | 8 | 5930-00-687-0553 | 22003 | 343-0001 |
| 34 | | | 81337 | 5-13-4977 |
| 34 | 1 | | 96906 | MS35425-70 |
| 34 | 2 | | 97403 | 13227E5735 |
| 34 | 3 | | 45225 | P74-144 |
| 34 | 4 | | 96906 | MS21316-23 |
| 34 | 5 | | 96906 | MS35140-6 |
| 34 | 6 | 5975-00-878-3791 | 82370 | A104 |
| 34 | 7 | | 96906 | MS90728-8 |
| 34 | 8 | | 96906 | MS35338-44 |
| 34 | 9 | | 96906 | MS15795-410 |
| 34 | 10 | | 97403 | 13226E7922 |
| 34 | 11 | | 97403 | 13225E3143 |
| 34 | 12 | | 97403 | 13227E5689-1 |
| 34 | 13 | | 97403 | 13227E5689-2 |
| 35 | 1 | | 81337 | 5-13-4973 |
| 35 | 2 | | 96906 | MS35206-243 |
| 35 | 3 | | 81337 | 5-13-4974 |
| 35 | 4 | | 96906 | MS27130-A13 |
| 35 | 5 | 6210-01-142-0431 | 72619 | 508-8738-504 |
| 35 | 6 | | 4R884 | HP11-51 |
| 35 | 7 | | 52359 | Q674L1181 |
| 35 | 8 | | 81337 | 5-13-4976 |
| 36 | 1 | | 81337 | 5-13-4781 |
| 36 | 2 | | 96906 | MS35206-263 |
| 36 | 3 | | 96906 | MS35338-43 |
| 36 | 4 | | 96906 | MS27130-A19 |
| 36 | 5 | | 31795 | 15330206 |
| 36 | 6 | 5920-00-056-6620 | 18338 | 100653-020 |
| 36 | 7 | 6240-00-556-8657 | 08108 | 4510 |
| 36 | 8 | | 96906 | MS20604-B4T6 |
| 36 | 9 | | 81337 | 5-13-4782-1 |
| 36 | 10 | | 81337 | 5-13-4782-2 |
| 36 | 11 | | 81337 | 5-13-4782-1-4 |
| 36 | 12 | | 81337 | 5-13-4782-1-1 |
| 36 | 13 | | 81337 | 5-13-4782-2-4 |
| 36 | 14 | | 81337 | 5-13-4782-2-1 |
| 36 | 15 | | 81337 | 5-13-4783 |
| 36 | 16 | | 81337 | 5-13-4780-15 |
| 36 | 17 | | 96906 | MS21318-29 |
| 36 | 18 | | 97403 | 13227E5726-1 |
| 36 | 19 | 5930-00-325-6153 | 96906 | MS27735-22 |
| 36 | 20 | | 07295 | 100707 |
| 36 | 21 | | 28520 | 285203210 |
| 37 | 1 | | 96906 | MS51861-50 |
| 37 | 2 | | 39428 | 1723A2 |
| 37 | 3 | | 81337 | 5-13-4948 |
| 38 | 1 | | 96906 | MS35201-263 |

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| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NUMBER |
|------|------|------------------|-------|-------------------------|
| 38 | 2 | | 81337 | 5-13-4988 |
| 38 | 3 | | 96906 | MS27039C5-11 |
| 38 | 4 | | 96906 | MS35338-45 |
| 38 | 5 | | 96906 | MS27183-11 |
| 38 | 6 | | 81337 | 5-13-3113-1 |
| 38 | 7 | | 81337 | 5-4-4929 |
| 38 | 8 | | 81337 | 5-4-4969 |
| 38 | 9 | | 96906 | MS51959-88 |
| 38 | 10 | | 81337 | 5-4-2929 |
| 38 | 11 | | 81337 | 5-13-9732 |
| 38 | 12 | | 81337 | 5-4-4831 |
| 38 | 13 | | 81337 | 5-4-4833 |
| 39 | | | 81337 | 5-13-4910 |
| 39 | 1 | | 83879 | 4Q-4100 |
| 39 | 2 | | 97403 | 13227E5736 |
| 39 | 3 | | 97403 | 13227E6253 |
| 39 | 4 | | 81337 | 5-13-4910-4 |
| 39 | 5 | | 39428 | 7119K12 |
| 39 | 6 | | 39428 | 7127K25 |
| 39 | 7 | | 96906 | MS35140-14 |
| 39 | 8 | | 96906 | MS35191-272 |
| 39 | 9 | | 96906 | MS35338-43 |
| 39 | 10 | | 39428 | 7119K21 |
| 39 | 11 | | 29215 | JP2050-1 |
| 39 | 12 | | 97403 | 13226E6991 |
| 39 | 13 | | 81349 | MIL-R-24243/6-A4 04H |
| 39 | 14 | | 79725 | 2151-2 |
| 39 | 15 | | 81348 | WS896/2-02R |
| 39 | 16 | | 81348 | WC596/12-4 |
| 39 | 17 | | 23828 | 1138V |
| 39 | 18 | | 81337 | 5-4-4984 |
| 39 | 19 | | 96906 | MS15795-408 |
| 39 | 20 | | 03350 | 200 |
| 39 | 21 | | 16327 | 2V637 |
| 39 | 22 | | 96906 | MS35191-277 |
| 39 | 23 | | 76385 | Z-4023 |
| 39 | 24 | 6240-01-024-6370 | 88204 | 52A/SS |
| 39 | 25 | | 90759 | 400 |
| 39 | 26 | | 96906 | MS35140-12 |
| 39 | 27 | | 96906 | MS27130-A29 |
| 39 | 28 | | 81337 | 5-13-4980 |
| 39 | 29 | | 81337 | 5-4-4928 |
| 39 | 30 | | 28520 | 3210 |
| 40 | 1 | 5925-00-074-5750 | 56365 | Q0B250 |
| 40 | 2 | 5925-00-785-4251 | 56365 | Q0B340 |
| 40 | 3 | 5925-00-728-1289 | 56365 | Q0B120 |
| 41 | | | 81337 | 5-13-5000 |
| 41 | 1 | 5120-00-230-6385 | 99993 | H41H1505-9 |
| 41 | 2 | | 96906 | MS35206-245 |
| 41 | 3 | | 81337 | 5-4-5106 |

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FIGURE AND ITEM NUMBER INDEX

| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NUMBER |
|------|------|--------------|-------|-------------------------|
| 41 | 4 | | 96906 | MS27130-A13 |
| 41 | 5 | | 81337 | 5-13-4720 |
| 42 | | | 81337 | 5-13-4701 |
| 42 | 1 | | 81349 | MIL-R-24243/6-A4 04H |
| 42 | 2 | | 96906 | MS51939-1 |
| 42 | 3 | | 97403 | 13226E6991 |
| 42 | 4 | | 81337 | 5-4-4968 |
| 42 | 5 | | 81337 | 5-4-4930 |
| 42 | 6 | | 81337 | 5-4-4934 |
| 42 | 7 | | 81337 | 5-4-4831 |
| 43 | | | 81337 | 5-13-5033 |
| 43 | 1 | | 81337 | 5-4-3050 |
| 43 | 2 | | 55719 | P240 |
| 44 | 1 | | 81348 | WW-D,1909,TY1 |
| 44 | 2 | | 96906 | MS35191-274 |
| 44 | 3 | | 96906 | M:S35338-43 |
| 44 | 4 | | 96906 | MS15795-442 |
| 44 | 5 | | 81337 | 5-4-4935. |
| 44 | 6 | | 81337 | 5-4-4928 |
| 45 | 1 | | 97403 | 13226E4508 |
| 45 | 2 | | 96906 | MS24693-280 |
| 45 | 3 | | 81337 | 5-4-4935 |
| 45 | 4 | | 81337 | 5-4-4928 |
| 46 | | | 81337 | 6-1-7543 |
| 46 | 1 | | 96906 | MS35.425-70 |
| 46 | 2 | | 96906 | MS35338-44 |
| 46 | 3 | | 96906 | MS27183-10 |
| 46 | 4 | | 81337 | 6-1-7543-2 |
| 46 | 5 | | 81337 | 6-1-7543-8 |
| 46 | 6 | | 96906 | MS35:190-287 |
| 46 | 7 | | 81337 | 6-1-7543-5 |
| 46 | 8 | | 81337 | 6-1-7543-4 |
| 46 | 9 | | 96906 | MS35191-291 |
| 46 | 10 | | 81337 | 6-1-7543-1 |
| 46 | 11 | | 81337 | 5-4-4934 |
| 46 | 12 | | 81337 | 5-4-4831 |
| 46 | 13 | | 81337 | 6-1-7543-6 |
| 46 | 14 | | 81337 | 6-1-7543-7 |
| 46 | 15 | | 96906 | MS20470-AD6-8 |
| 46 | 16 | | 81337 | 6-1-7543-3 |
| 47 | 1 | | 93510 | 1211A |
| 47 | 2 | | 96906 | MS35207-263 |
| 47 | 3 | | 96906 | MS35338-43 |
| 47 | 4 | | 96906 | MS15795-442 |
| 47 | 5 | | 81337 | 5-4-4935 |
| 47 | 6 | | 81337 | 5-4-4928 |
| 48 | | | 81337 | 5-13-5034 |
| 48 | 1 | | 81337 | 5-4-2984 |
| 48 | 2 | | 81349 | M24243/3B404 |
| 48 | 3 | | 81337 | 5-4-4822 |

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FIGURE AND ITEM NUMBER INDEX

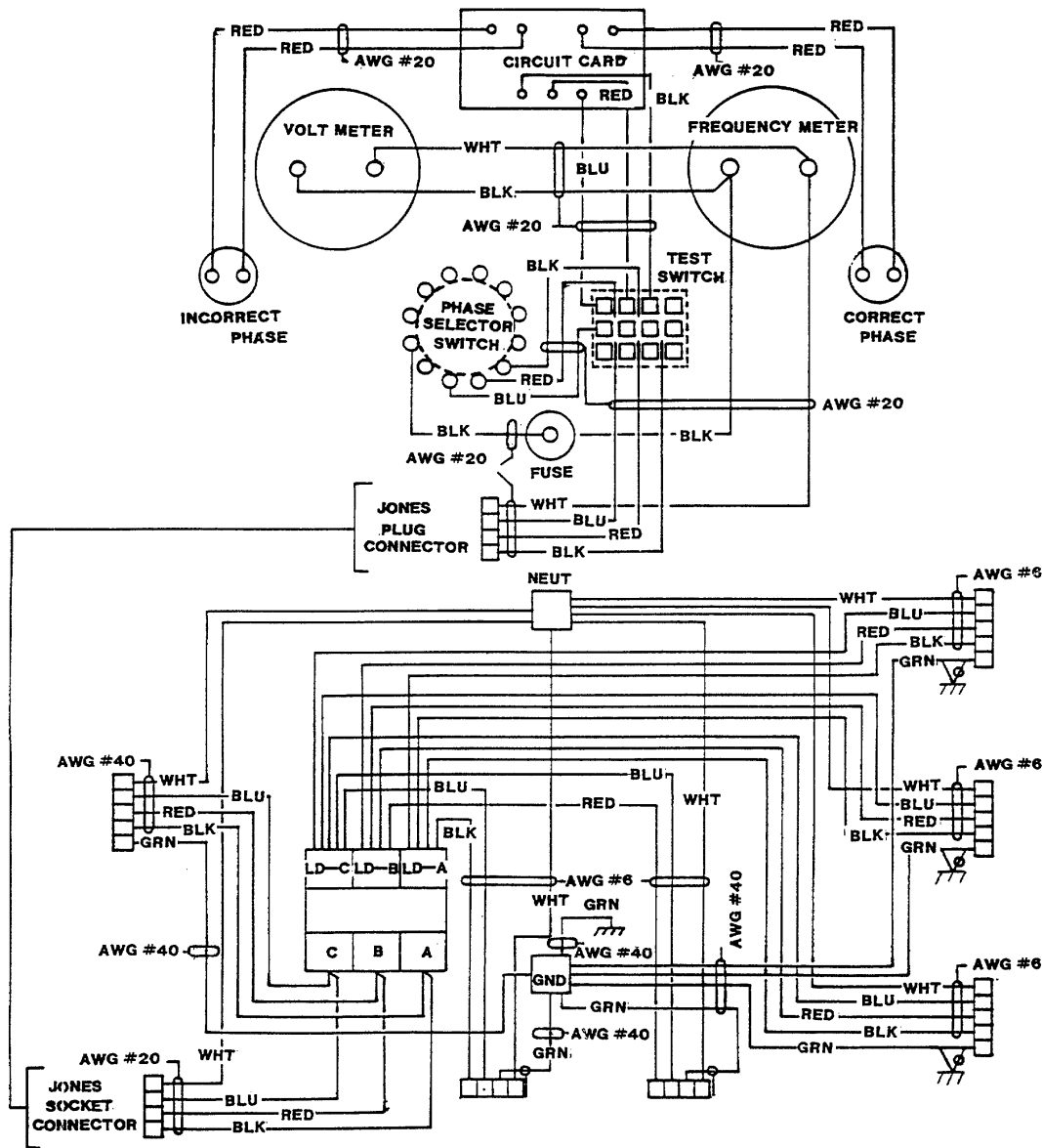
| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NUMBER |
|------|------|------------------|-------|---------------|
| 49 | | | 81337 | 5-13-4950 |
| 49 | 1 | 6545-00-922-1200 | 19207 | 11677011 |
| 49 | 2 | | 81349 | MIL-F-21840 |
| 49 | 3 | | 81349 | MIL-F-21840 |
| 49 | 4 | | 96906 | MS35191-274 |
| 49 | 5 | | 96906 | MS35338-43 |
| 49 | 6 | | 96906 | MS15795-442 |
| 49 | 7 | | 81337 | 5-13-4777 |
| 49 | 8 | | 81337 | 5-4-4935 |
| 49 | 9 | | 81337 | 5-4-4928 |
| 50 | | | 81337 | 5-13-4778 |
| 50 | 1 | | 96906 | MS20600-MP4W2 |
| 50 | 2 | | 81337 | 5-13-5017 |
| 50 | 3 | | 96906 | MS20600-MP4W7 |
| 50 | 4 | | 81337 | 5-13-5018 |
| 50 | 5 | | 81337 | 5-13-5062 |
| 50 | 6 | | 81337 | 5-13-4993 |
| 50 | 7 | | 96906 | MS90726-7 |
| 50 | 8 | | 96906 | MS35338-44 |
| 50 | 9 | | 96906 | MS15795-410 |
| 50 | 10 | | 81337 | 5-13-4886 |
| 51 | 1 | | 81337 | 5-13-5177 |
| 51 | 2 | | 81337 | 5-13-5191 |
| 51 | 3 | | 81337 | 5-13-5178 |
| 51 | 4 | | 93791 | ES-5 |
| 51 | 5 | | 93791 | ES-6 |
| 51 | 6 | | 93791 | VE162 |
| 51 | 7 | | 93791 | VE-50 |
| 51 | 8 | | 96906 | MS35649-2252 |
| 51 | 9 | | 96906 | MS35190-289 |
| 51 | 10 | | 81337 | 5-13-5180-1 |
| 51 | 11 | | 81337 | 5-13-5181 |
| 51 | 12 | | 51792 | 026-80125-1 |
| 51 | 13 | | 93791 | ES3 |
| 51 | 14 | 6250-00-299-2884 | 93791 | VE176 |
| 51 | 15 | | 93791 | ES4 |
| 51 | 16 | 6240-00-152-2983 | 08108 | F20T12/W |
| 51 | 17 | | 93791 | H56 |
| 51 | 18 | | 81337 | 5-13-5180-2 |

APPENDIX G

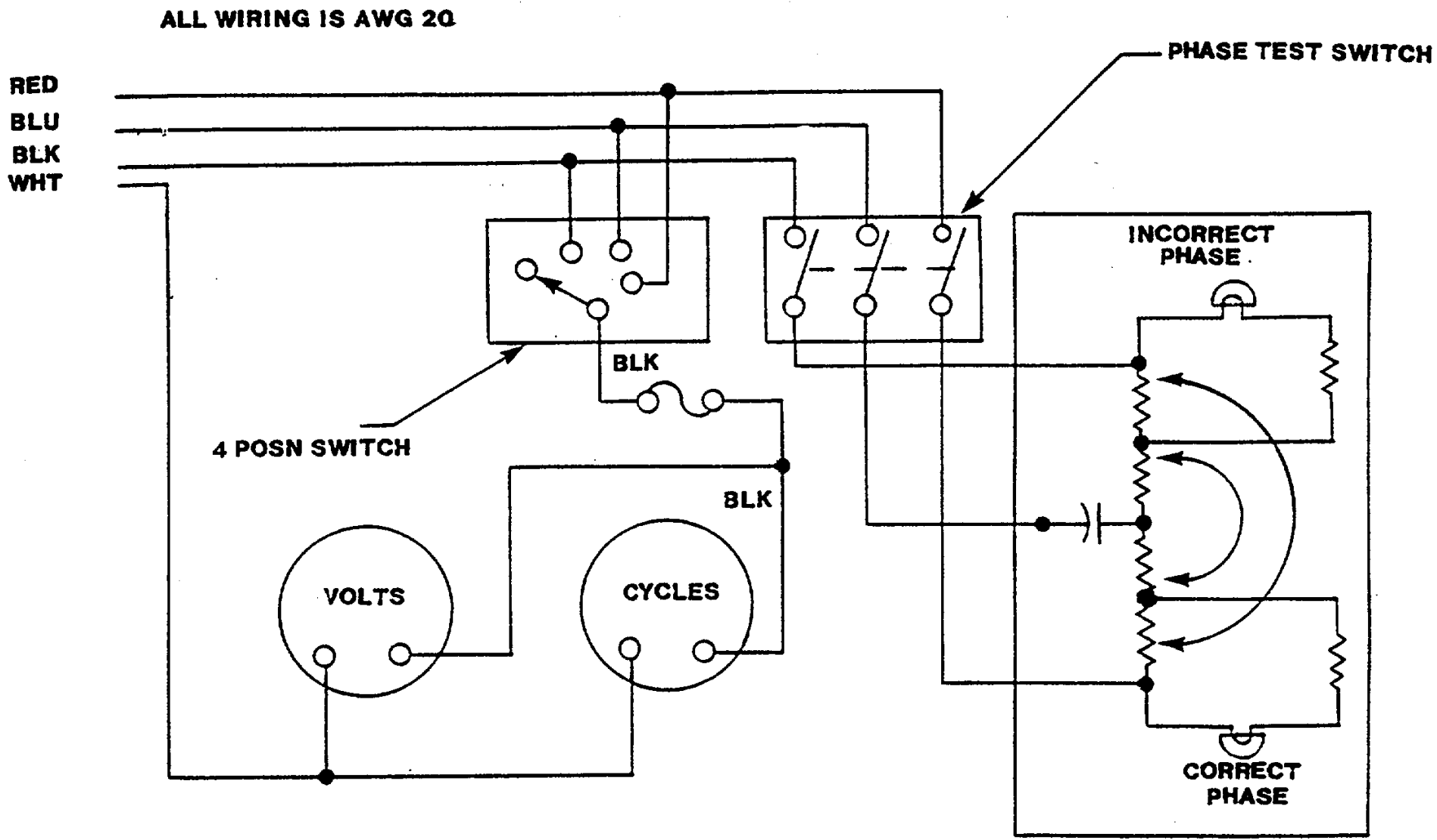
ILLUSTRATED LIST OF MANUFACTURED ITEMS

There are no manufactured parts listed for the Finishing Section.

G-1/(G-2 blank)



FO-1 Power Distribution Box Wiring Diagram



FO-2 Phase Monitor Meter Wiring Diagram

FO-2

By Order of the Secretary of the Army:

CARL E. VUONO
General, United States Army
Chief of Staff

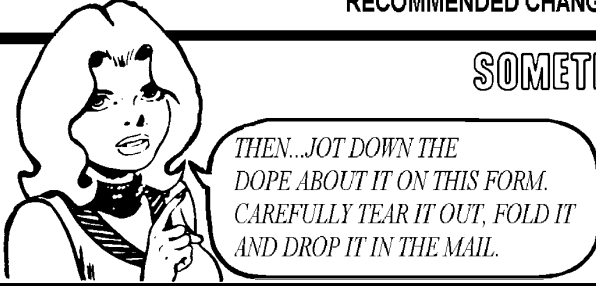
Official:

THOMAS F. SIKORA
Brigadier General, United States Army
The Adjutant General

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| PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER | | | SIGN HERE |

The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inches
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigrams = .035 ounce
 1 dekagram = 10 grams = .35 ounce
 1 hectogram = 10 dekagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. ft.
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. Inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

| <i>To change</i> | <i>To</i> | <i>Multiply by</i> | <i>To change</i> | <i>To</i> | <i>Multiply by</i> |
|------------------|--------------------|--------------------|--------------------|---------------|--------------------|
| inches | centimeters | 2.540 | ounce-inches | newton-meters | .007062 |
| feet | meters | .305 | centimeters | inches | .394 |
| yards | meters | .914 | meters | feet | 3.280 |
| miles | kilometers | 1.609 | meters | yards | 1.094 |
| square inches | square centimeters | 6.451 | kilometers | miles | .621 |
| square feet | square meters | .093 | square centimeters | square inches | .155 |
| square yards | square meters | .836 | square meters | square feet | 10.764 |
| square miles | square kilometers | 2.590 | square meters | square yards | 1.196 |
| acres | square hectometers | .405 | square kilometers | square miles | .386 |
| cubic feet | cubic meters | .028 | square hectometers | acres | 2.471 |
| cubic yards | cubic meters | .765 | square meters | cubic feet | 35.315 |
| fluid ounces | milliliters | 29.573 | cubic meters | cubic yards | 1.308 |
| pints | liters | .473 | cubic meters | fluid ounces | .034 |
| quarts | liters | .946 | milliliters | pints | 2.113 |
| gallons | liters | 3.785 | liters | quarts | 1.057 |
| ounces | grams | 28.349 | liters | gallons | .264 |
| pounds | kilograms | .454 | grams | ounces | .035 |
| short tons | metric tons | .907 | kilograms | pounds | 2.205 |
| pounds-feet | newton-meters | 1.356 | metric tons | short tons | 1.102 |
| pound-inches | newton-meters | .11296 | | | |

Temperature (Exact)

| | | | | |
|----|------------------------|----------------------------|---------------------|----|
| °F | Fahrenheit temperature | 5/9 (after subtracting 32) | Celsius temperature | °C |
|----|------------------------|----------------------------|---------------------|----|

PIN: 045059-001