TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE MANUAL

DATA ANALYSIS SERVICES SUPPORT SYSTEMS

AN/MYK-8(V)1 AND AN/MYK-8(V)3

CONSISTING OF:

DATA ANALYSIS CENTRAL

OL-88(V)(*)/MYK-8(V) (NSN 7030-00-005-5214),

DATA STORAGE GROUP

OL-89(V)(*)/MYK-8(V) (NSN 7050-00-221-4503),

AND

DATA SUPPORT FACILITY, MOBILE

V-460/MYK-8(V) (NSN 7010-00-006-1812)

HEADQUARTERS, DEPARTMENT OF THE ARMY

25 SEPTEMBER 1981

5 SAFETY STEPS TO FOLLOW IF SOMEONE IS THE VICTIM OF ELECTRICAL SHOCK

1. DO NOT TRY TO PULL OR GRAB THE INDIVIDUAL
2. IF POSSIBLE, TURN OFF THE ELECTRICAL POWER
3. IF YOU CANNOT TURN OFF THE ELECTRICAL POWER, PULL, PUSH OR LIFT THE PERSON TO SAFETY USING A DRY WOODEN POLE OR A DRY ROPE OR SOME OTHER INSULATING MATERIAL
4. SEND FOR HELP AS SOON AS POSSIBLE
5. AFTER THE INJURED PERSON IS FREE OF CONTACT WITH THE SOURCE OF ELECTRICAL SHOCK, MOVE THE PERSON A SHORT DISTANCE AWAY AND IMMEDIATELY START ARTIFICIAL RESUSCITATION

WARNING

Compressed air shall not be used for cleaning purposes except where reduced to less than 29 pounds per square inch (psi) and then only with effective chip guarding and personnel protective equipment. Do not use compressed air to dry parts when TRICHLOROTRIFLUOROETHANE has been used. Com-pressed air is dangerous and can cause serious bodily harm if protective means or methods are not observed to prevent chip or particle (of whatever size) from being blown into the eyes or unbroken skin of the operator or other personnel.

WARNING

Adequate ventilation should be provided while using TRICHLOROTRI-FLUOROETHANE. Prolonged breathing of vapor should be avoided. The solvent should not be used near heat or open flame; the products of decomposition are toxic and irritating. Since TRICHLOROTRIFLUOROETHANE dissolves natural oils, prolonged contact with skin should be avoided. When necessary, use gloves which the solvent cannot penetrate. If the solvent is taken internally, consult a physician immediately.

TECHNICAL MANUAL
No. 11-7440-274-14

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, *25 September 1981*

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE MANUAL DATA ANALYSIS SERVICES SUPPORT SYSTEMS AN/MYK-8(V)I AND AN/MYK-8(V)3 CONSISTING OF: DATA ANALYSIS CENTRAL OL-88(V)(*)/MYK-8(V) (NSN 7030-00-005-5214), DATA STORAGE GROUP OL-89(V)(*)/MYK-8(V) (NSN 7050-00-221-4503), AND DATA SUPPORT FACILITY, MOBILE V-460/MYK-8(V) (NSN 7010-00-006-1812)

Current as of 13 April 1981

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes 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 back of this manual direct to Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703.

In either case, a reply will be furnished direct to you.

TABLE OF CONTENTS-Continued

TABLE OF CONTENTS-Continued

LIST OF ILLUSTRATIONS

CHAPTER 1
INTRODUCTION

Section I. GENERAL

1-1. Scope

a. This manual describes Data Analysis Services Support Systems AN/MYK-8(V)1 (systems 1 through 10) and AN/MYK-8(V)3 (systems 11 through 16) (fig. 1-1, 1-2, and 1-3) and includes service and installation, operating instructions, operator maintenance instructions, organizational maintenance, equipment functioning, direct support maintenance instructions, and general support maintenance.

b. Official nomenclature followed by (*) is used to indicate all models of the systems referenced in this manual. Data Analysis Services Support Systems AN/MYK-8(V) (*) represents the two systems listed in a above. Furthermore, 0L-88 (V) (*)/MYK-8(V) represents OL-88(V)1/ MYK-8 (V) and OL-88 (V) 3/MYK-8 (V); OL-89 (V) (*) /MYK-8 (V) represents OL89 (V) 1/ MYK-8 (V) and OL-89 (V) 3/MYK-8 (V). Differences between the two systems are described in paragraph 1-9.

c. Throughout this manual, where appropriate, references are made to other publications which cover the installation, operating, and maintenance of the equipment installed in the AN/MYK-8 (V) (*). A complete listing of applicable reference publications is provided in appendix A.

d. The maintenance allocation chart and the tool and test equipment requirements appear in appendix D.

1-2. Indexes of Publications

DA Pam 310-4. Refer to the latest issue of DA Pam 310-4 to determine whether there are new editions, changes, additional publications or modification work orders pertaining to the equipment.

1-3. Maintenance Forms, Records and Reports

a. Reports of Maintenance and Unsatisfactory Equipment. Department of the Army forms and procedures used for equipment maintenance will be those described by TM 38-750, The Army Maintenance Management System.

b. Report of Packaging and Handling Deficiencies. Fill out and forward SF 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-11-2/DLAR 4140.55/NAVMATINST 4355.73/ AFR 400-54/MCO 4430.3E.

c. Discrepancy in Shipment Report (DISREP) (SF 361). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as pre-scribed in AR 55-38/NAVSUPINST 4610.33B/ AFR 75-18/MCO 4610.19C/DLAR 4500.15.

1-4. Reporting Equipment Improvement Recommendations (EIR)

If your Data Analysis Services Support System 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. Tell us why a procedure is hard to perform. Put it on an SF 368 (Quality Deficiency Report). Mail it to Com-mander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. We'll send you a reply.

1-5. Administrative Storage

Administrative Storage of Equipment issued to and used by Army activities will have preventive maintenance performed in accordance with the PMCS charts before storing. When removing the equipment from administrative storage the PMCS should be performed to assure operational read-iness. Disassembly and repacking of equipment for shipment or limited storage are covered in paragraphs 3-8 and 3-9.

1-6. Destruction of Army Electronics Materiel

Destruction of Army electronics material to pre-vent enemy use shall be in accordance with TM 750-244-2.

Section II. DESCRIPTION AND DATA

1-7. Purpose and Use

a. Purpose. The AN/MYK-8(V) (*) is a mobile data processing system for the US Army in the field. Through the use of this system and its equipment, logistics and personnel records are maintained in a central computer to provide a

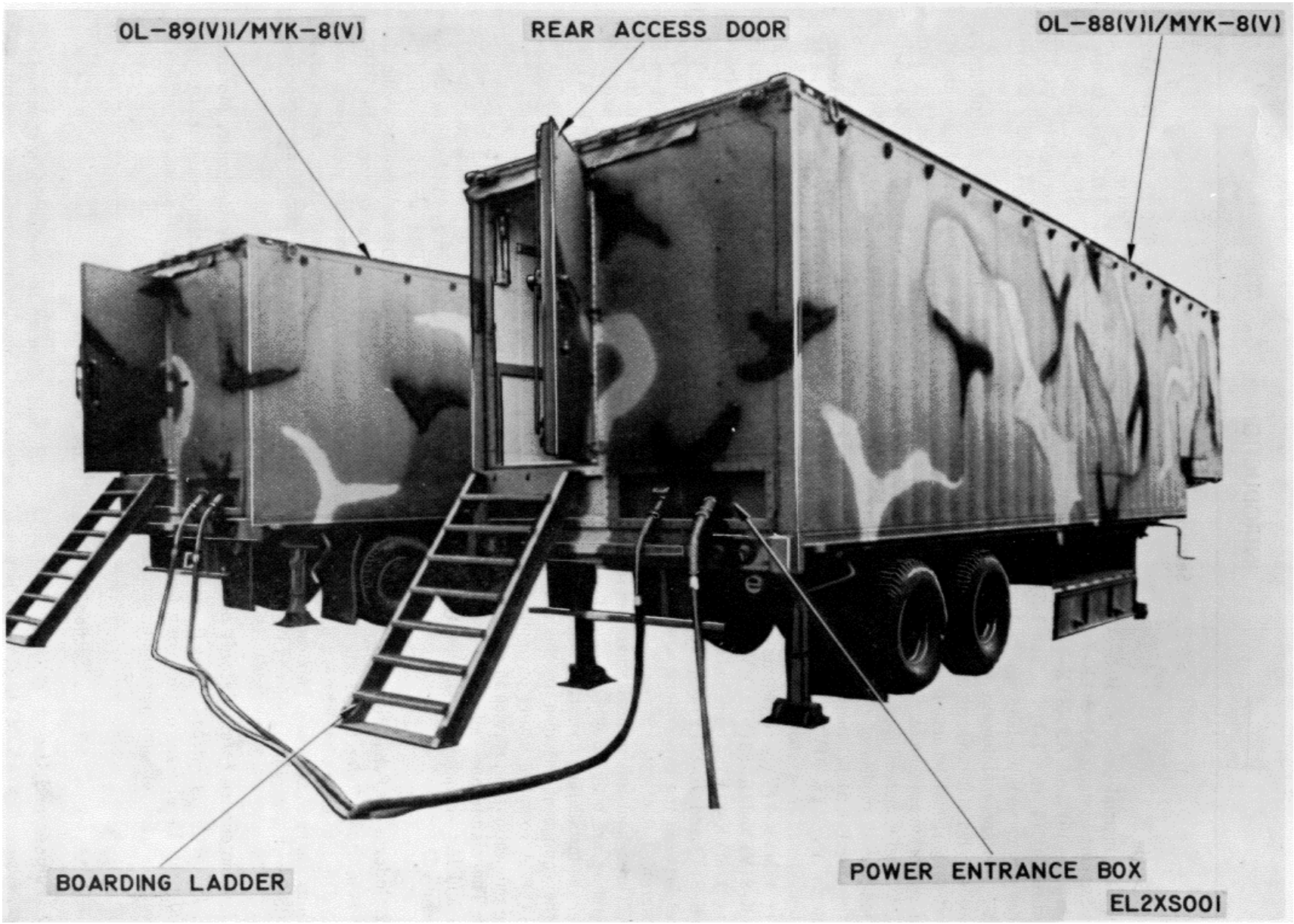


Figure 1-1. Data Analysis Central OL-88(V)1/MYK-8(V) and Data Storage Group OL-89(V)1/MYK-8(V), Rear Curbside View.

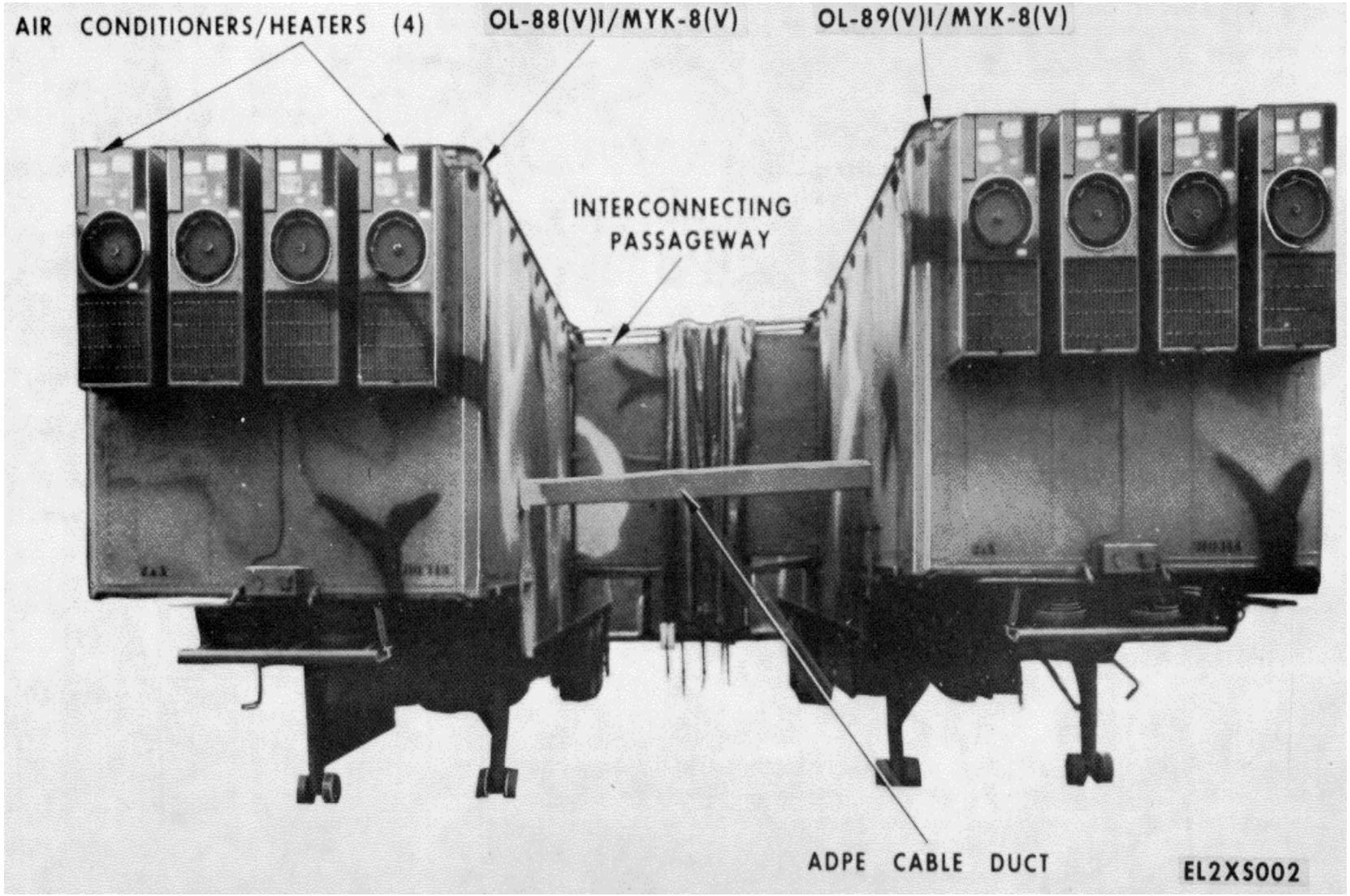


Figure 1-2. Data Analysis Central OL-88(V)1/MYK-8(V) and Data Storage Group OL-89(V)1/MYK-8(V), Front View.

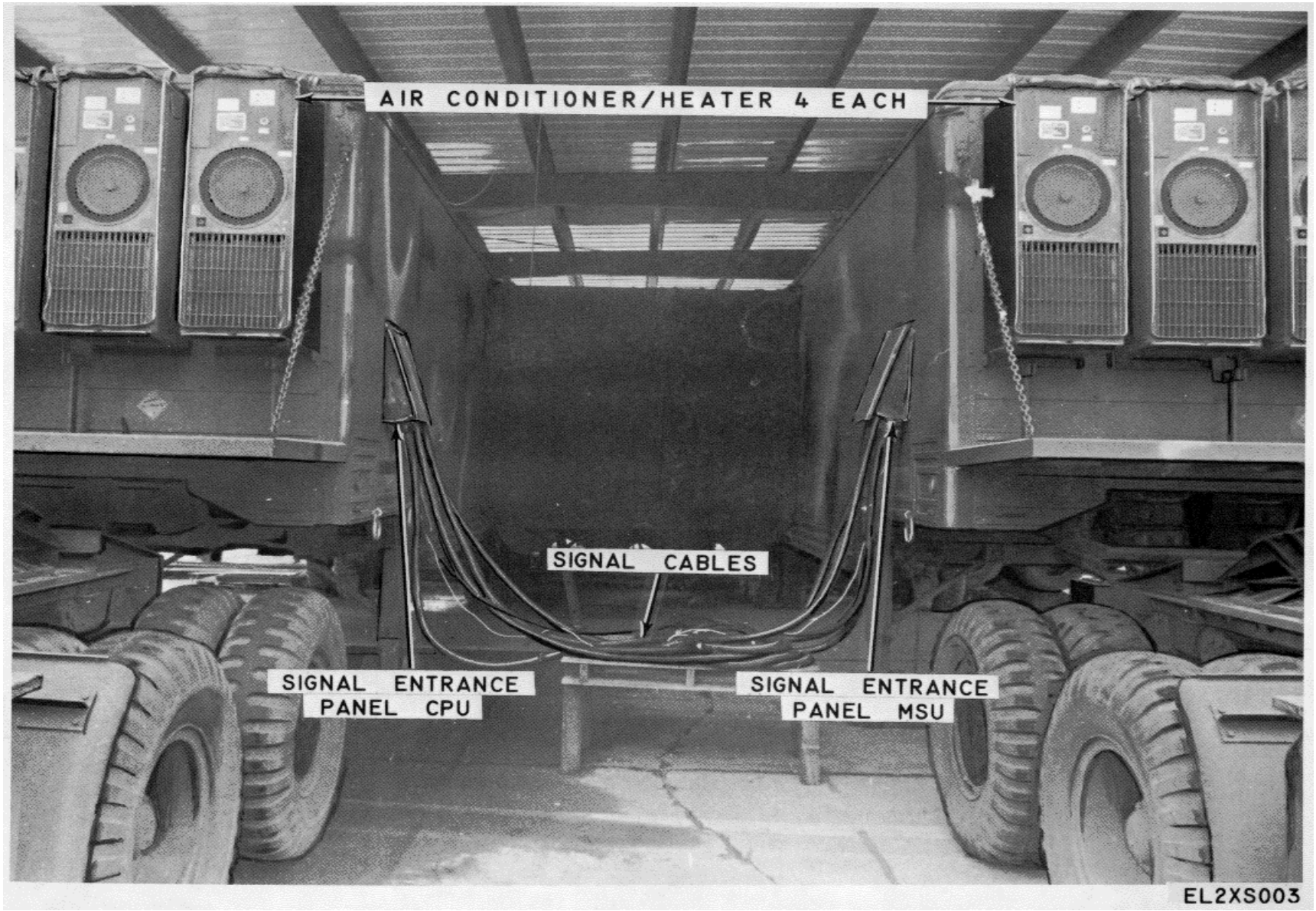


Figure 1-3. Data Analysis Central OL-88(V)3/MYK-8(V) and Data Storage Group OL-89 (V)3/MYK-8(V), Front View.

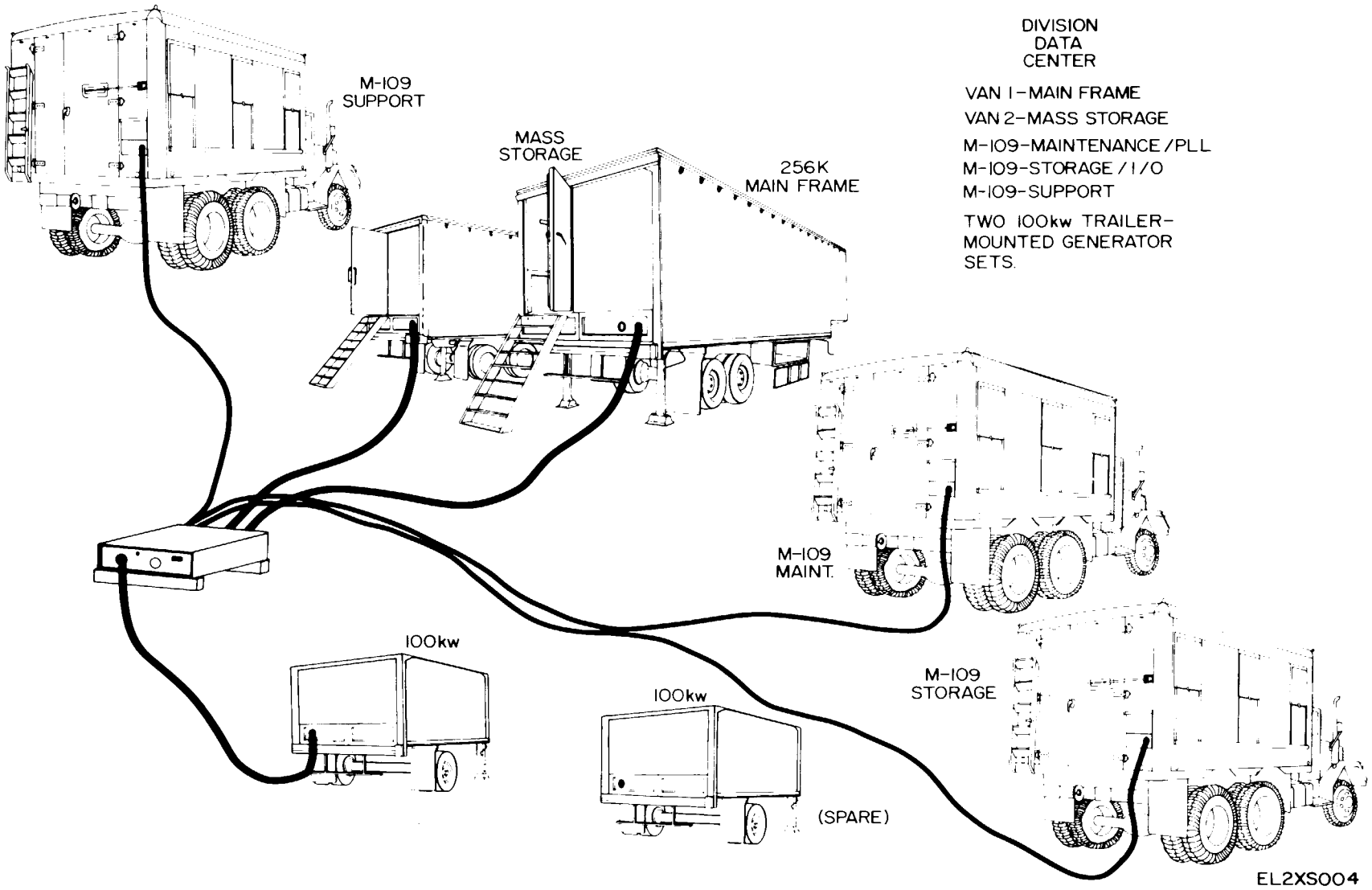


Figure 1-4. Typical Division System Configuration.

running account of the supply and demand of field support services. Refer to figure 1-4 for a dia-gram depicting the deployment of the AN/MYK-8(V) (*). Refer to figure FO-1 for cable routing diagram (outside).

b. Use. This system is designed to relieve field personnel of routine administrative actions and provide them with current information required for operational decisions. The system provides information and operation support for all logistic and administrative functions performed in the field. The following functional areas include:

(1) Inventory control.
(2) Financial management.
(3) Maintenance management.
(4) Shipment planning.
(5) Medical supply.
(6) Unit operational readiness.

1-8. Description

The AN 'MYK-8(V) (*") consists of two 35 foot, semi-trailer vans and one modified M-109 truck which are described in a and b below. Descriptions of major components are contained in manuals referenced in appendix A..

a. Data Analysis Central OL-88(v)(*)/MYK-8(V) and Data Storage Group OL-89(V)(*) MYK-8(V). The vans which house the system electronics equipment are physically identical. These vans are fully insulated, weatherproofed, and fully transportable. The vans are designed for towing by an M-52, 5-ton truck tractor and for air delivery by a C-5A aircraft. Cushioned riding quality is provided by an air-spring suspension system which reduces shock and vibration in transit. Equipment in all vans except OL-88 (V)3 'MYK-8(V) is connected to hydraulic rams. Before transit, the hydraulic system moves the equipment to the center of the vans; upon arrival at site, the hydraulic system retracts the equip-ment to the van walls allowing personnel to move within each van. Figures 1-5 through 1-8 illustrate OL-88 (V) (1*) /MYK-8 (V), and figures 1-9, 1-10, and 1-11 illustrate OL-89 (V) () /MYK-8(V).

(1) *Interior lighting*. Sixteen 40-watt fluorescent lamps provide primary lighting for the vans. Each 100-watt incandescent light located beside the prime power distribution center and near the air-conditioner return filter provides lighting during warmup operations when temperatures are too low for starting the fluorescent lamps. In addition, an emergency light is provided in case of power failure. As a security mea-sure, a blackout switch is located on the rear door to interrupt lighting.

(2) *Exterior lighting*. Each van is equipped with running lights, taillights and blackout stop-lights that receive power from the truck tractor.

(3) *Air-conditioning and heating*. Four 18,-000 BTU air-conditioner/heater units are mounted on the front wall of each van. Internal air-conditioner ducting is located along the roof of the vans. A common duct is used for both heating and air-conditioning. Adjustable diffusers are located along both sides of the duct, ensuring a proper operating environment for both personnel and equipment. Refer to TM 5-4120-308-15 for a complete description of the units.

(4) *Power distribution*. A prime-power en-trance assembly is mounted below and to the right of the rear access door of each van for connection to an external power source. Two internal power distribution circuits serve the van electrical equip-ment; one for the computer equipment, the other for the service load. This arrangement provides maximum isolation for the computer and mini-mizes any effect of transients due to service load changes. Each circuit has its own main circuit breaker, alarm and indicator panel, and load panel. The power distribution center is located to the right of the rear access door in each van. Power is supplied to the vans by a PU-495/G generator or by commercial source.

(5) *Signal connections*. Standard ADPE cables run from van to van through the side wall telescoping cable duct providing electrical signal interface for the computer equipment in each van except for OL-88(V)3/MYK-8(V) and OL-89 (V) 3 'MYK-8(V). Voice communication between vans is facilitated by Intercommunication Station LS-147C/FI.

b. Data Support Facility, Mobile 17-460/MYK-8(V) (fig. 1-12 through 1-15). All components of the V-460/MYK-8 (V) are mounted in a modified M-109 truck that is fully insulated, weather-proofed, and can be transported by air or ground vehicle. Mountings are provided on the walls for storing ground rods, tools, and miscellaneous items while in transit.

(1) *Lighting.* Ten fluorescent lamps provide primary lighting for the V-460/MYK-8(V). Six incandescent lamps parallel to the fluorescent fixtures provide lighting during warmup operations when the temperature is too low for starting the fluorescent lights. The lighting can be controlled by a door interlock for blackout operation; the interlock can be bypassed by a switch located adjacent to the power distribution center.

Figure 1-5. Data Analysis Central OL-88(V)1/MYK-8(V), Interior Rear View.

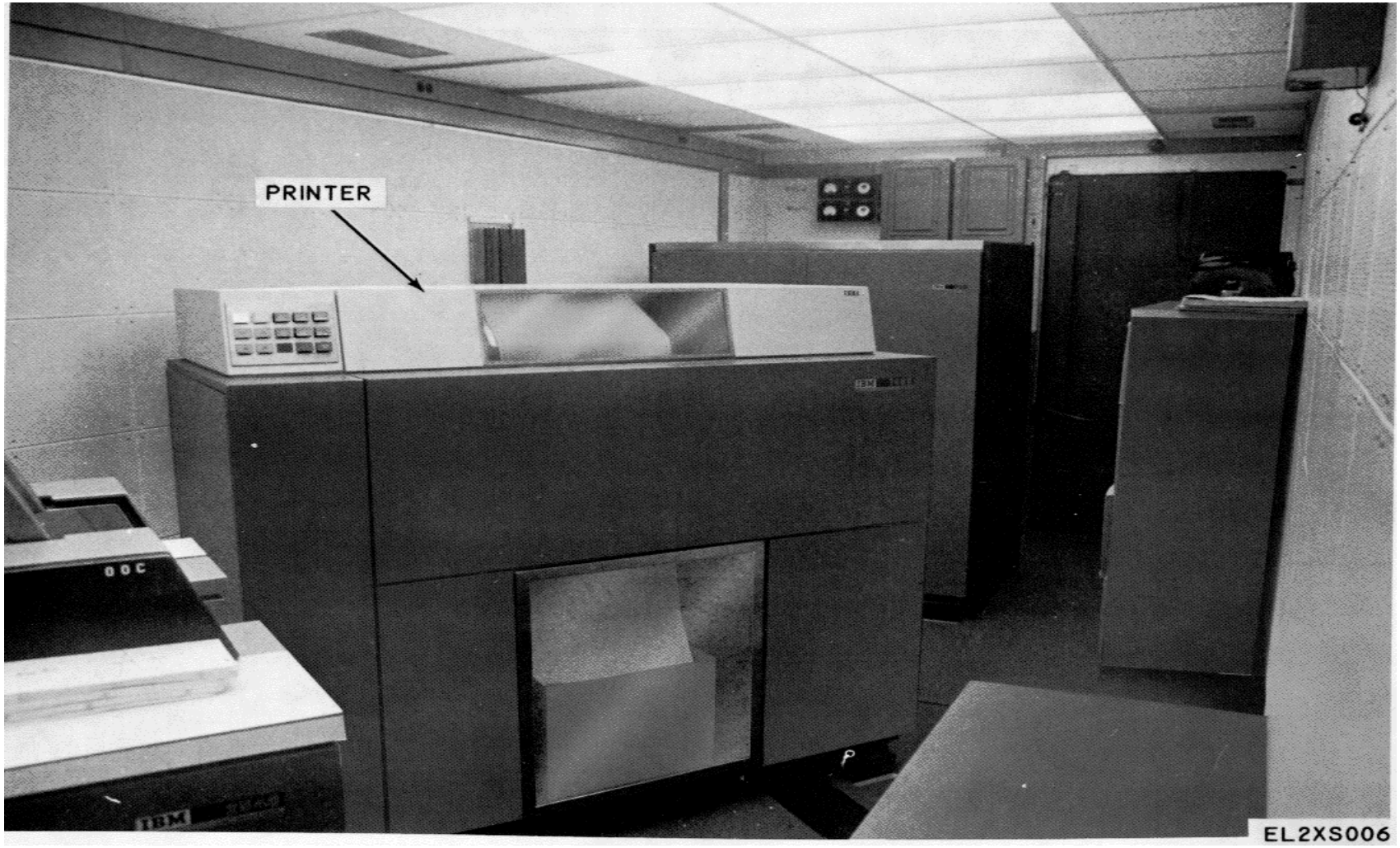


Figure 1-6. Data Analysis Central OL-88(V)3/MYK-8(V), Interior Rear View

Figure 1-7. Data Analysis Central OL-88(V)1/MYK-8(V), Interior Front View.

Figure 1-8. Data Analysis Central OL-88 (V) 1/MYK-8, Equipment Moved for Storage or Service.

(2) *Air-conditioning*. An 18,000 BTU air-conditioner mounted on the facilities front wall provides a comfortable operating environment for personnel. Refer to TM 5-4120-243-14 for a de-tailed description of the unit.

(3) *Power connections*. A power entrance box is mounted on the rear curbside wall of the V-460/MYK-8(V) for connection to an external power source. The ac power is routed through the power distribution box and the wall ducts to the ac receptacles and ceiling lights. Power is obtained from either a PU-495/G generator or a central power source.

1-9. Tabulated Data

a. Physical Characteristics.

OL-88(V)(*)/MYK-8(V) and OL-89(V) (*)/MYK-8 (V)

Length	35 feet (plus 251/2 in. for air-conditioner
Height	13 feet
Width	8 feet
Road clearance (with storage box only	251/2 in.
Weight	37,160 lbs (OL-88) and 33,600 lbs (OL-89)

V-460/MYK-8 (V)

Length	144 in.
Height	82 in.
Width	89 in.
Weight	8,615 lbs.

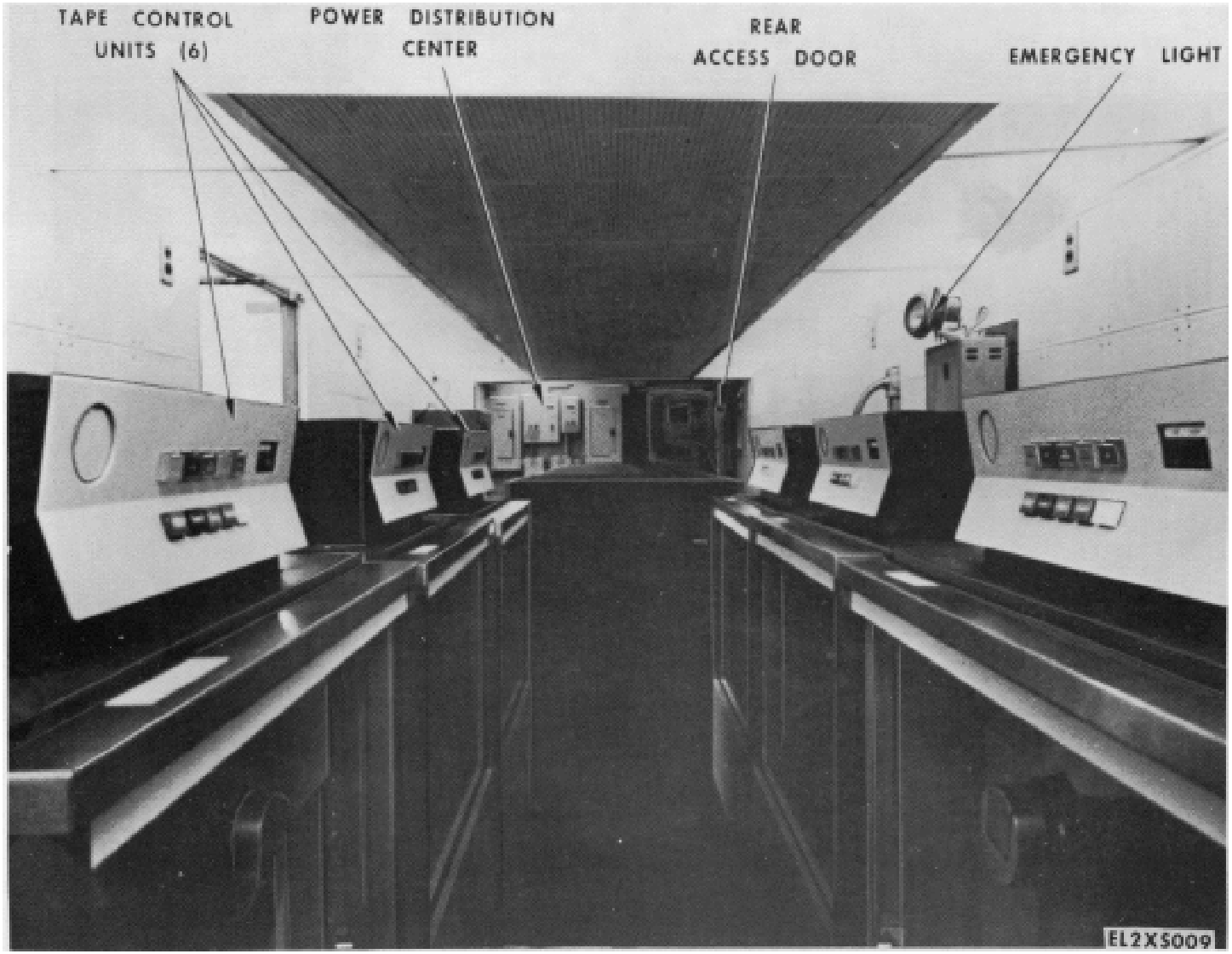


Figure 1-9. Data Storage Group OL-89(V)1/MYK-8(V), Interior Rear View

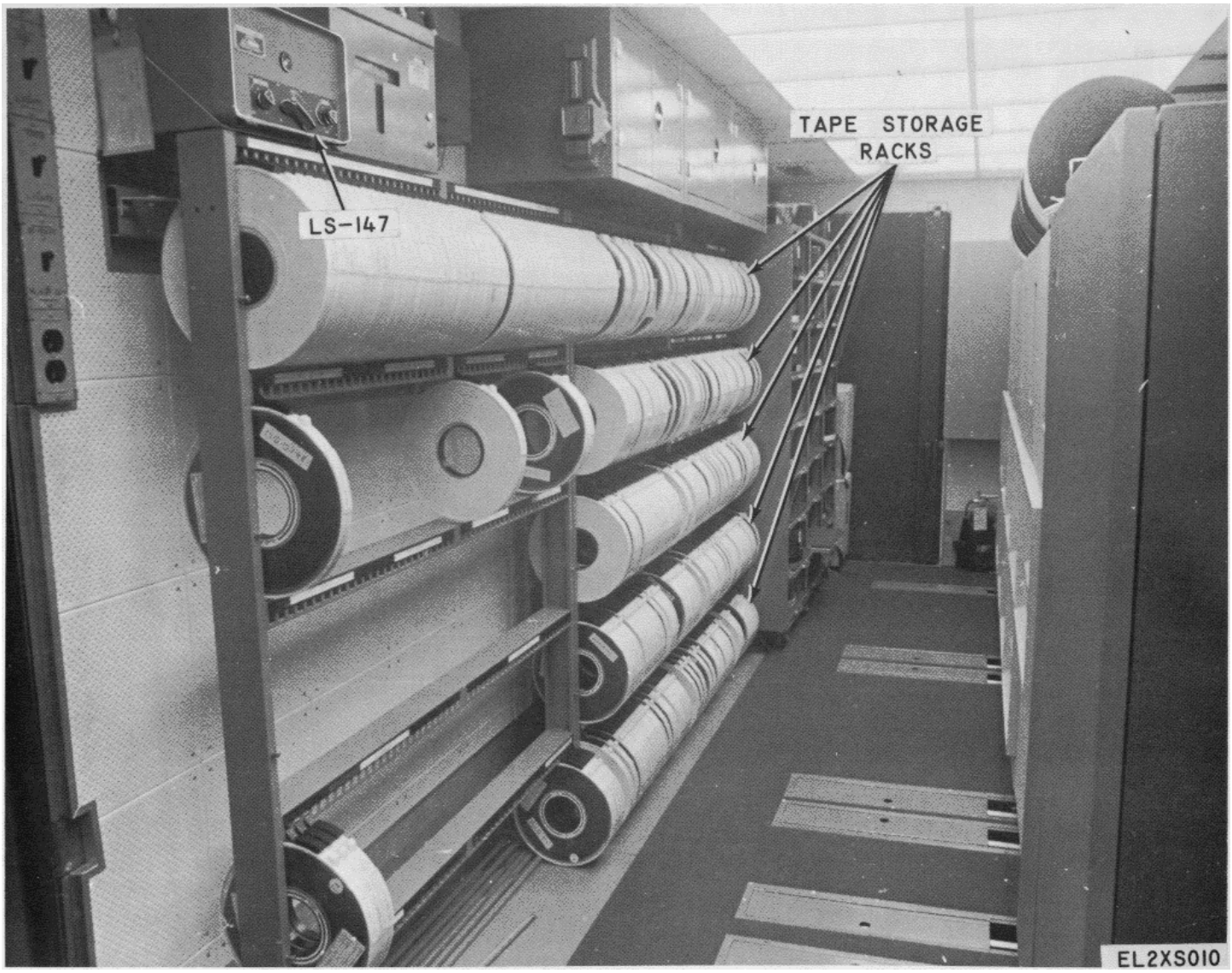


Figure 1-10. Data Storage Group OL-89(V)3/MYK-8(V), Interior Rear View

Figure 1-11. Data Storage Group OL-89(V)1 /MYK-8 (V'), Interior Front View.

Figure 1-12. Data Support Facility, Mobile V-60/AMYK-8(V'), Front Curbside view.

Figure 1-13.. Data Support Facility, Mobile V-460/MAYK-8(1'), Rear Curbside View.

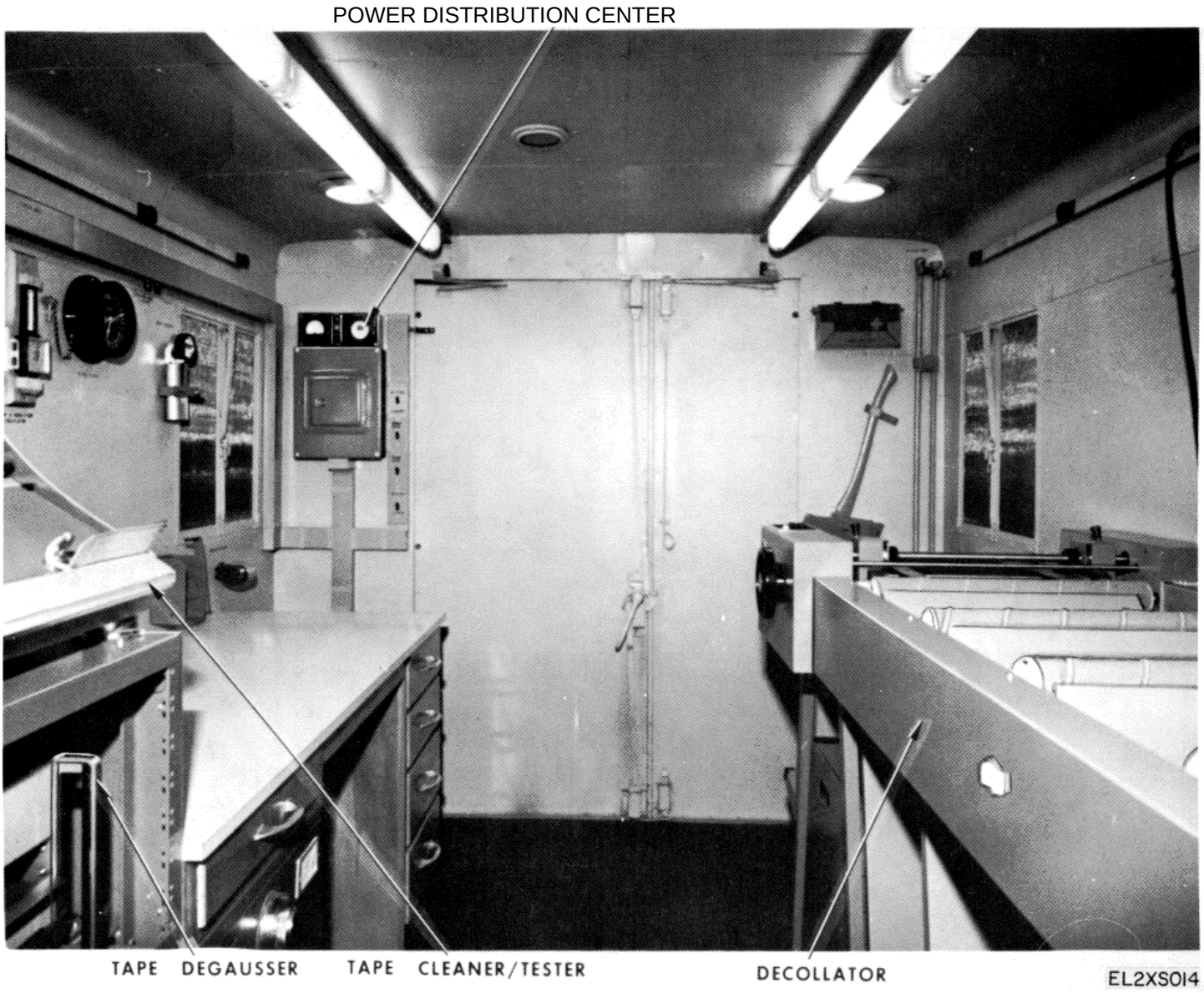


Figure 1-14. Data Support Facility, Mobile V-460,/MYK-8(V), Interior Rear View.

Figure 1-15. Data Support Facility, Mobile V-460/MYK-8(V), Interior Front View.

b. Power Requirements.

Input voltage ..... 120/208 vac, 60 Hz, ± 5 Hz, 3-phase, 3-wire

1-10. Differences Among Models

a. The OL88 (V)3/MYK8(V) is not equipped with hydraulic rams. The equipment in this van is hard mounted and swivels out 55 degrees to the center of the van for transit.

b. Electrical cabling is stored inside the van walls on OL88(V)3/MYK8(V) and 0L89 (V) 3/MYK-8 (V).

c. OL88(V)3/MYK8(V) and OL89(V)3/ MYK8(V) do not have an externally covered ADPE signal cabling duct.

d. Platforms are located at the front and rear of the L088 (V) 3/MYK8 (V) and OL89(V)3/ MYK8 (V) vans only. They are folded up against the door in the rear and air conditioners in the front for transit.

CHAPTER 2

SERVICE UPON RECEIPT AND INSTALLATION

Section I. SYSTEMS PLANNING

2-1. General

The Data Processing Center (DPC) consists of three primary units: OL88(V) (*)/MYK8 (V), OL89(V) (*)/MYK8(V), and the V460/ MYK-8 (V).

a. OL88(V) (*)/MYK8(V). The OL88(V) (*')/MYK8(V) is the nucleus of the system and contains the IBM 2030 Central Processing Unit which provides the arithmetic, logic, and control functions of the system. Van 1 also contains IBM 1052 Printer-Keyboard, IBM 2821 Control Unit, IBM 2540 Card Read Punch, IBM 1403 Printer, IND SITE AND SHELTER REQUIREMENTS and Cambridge-Memory 360/30 Memory Unit. All these units are used in association with the CPU (fig. 21 and 22). For cable run diagram refer to figure FO-2.

b. OL89(V)(*)/MYK8(V). The OL89(V) (*)/MYK8(V) contains an IBM 2314 Direct Access Storage Facility consisting of eight online disk storage modules, one spare (off-line) module, and an integral control unit (IBM 2314). It also contains six IBM 2401 Magnetic Tape Units that read or write data on heavy duty, or Mylar, magnetic tape.

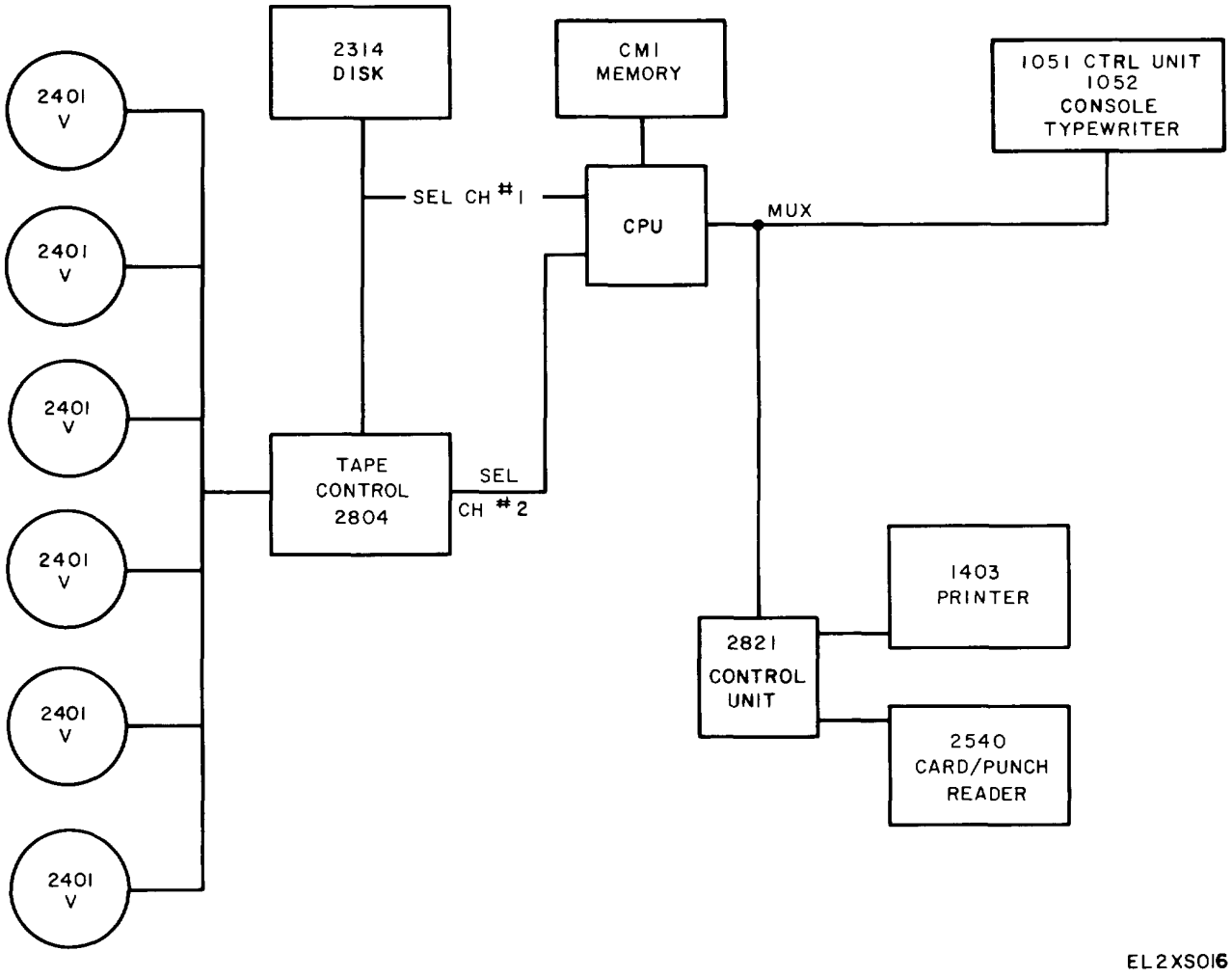


Figure 2-1. IBM System 360 Block Diagram.

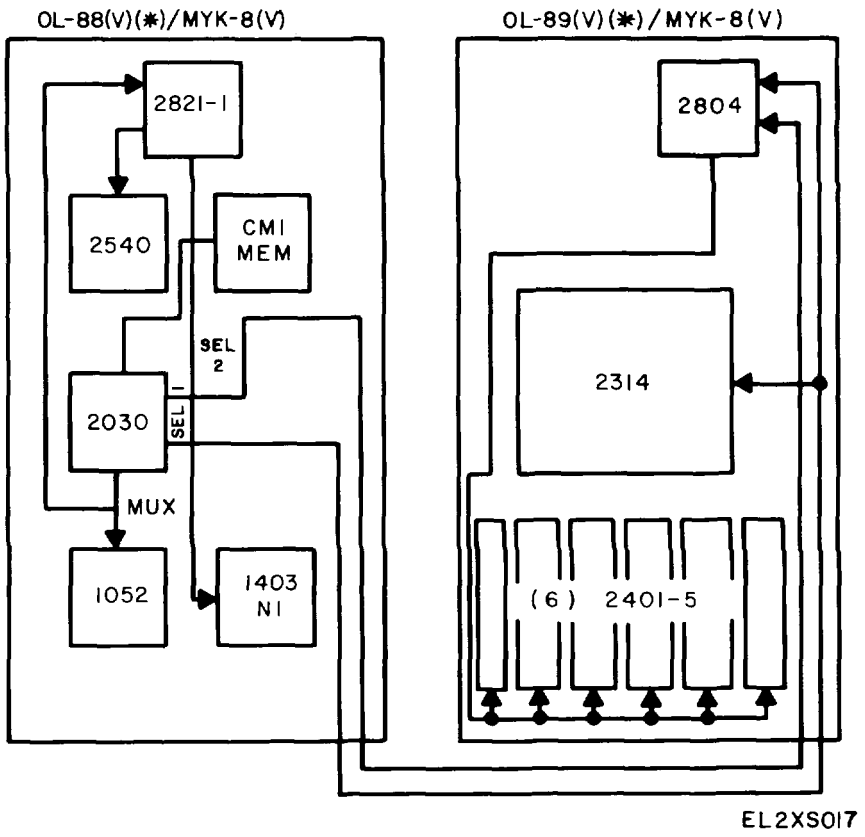


Figure 2-2. OL-88(V)(*)/MYK-8(V) and OL-89(V)(*)/MYK-8(V), Block Diagram.

c. V460/MIK8(V). The V460/MYK8(V) contains a Model 1800 Decollater, IBM 129 Card Data Recorder, KYBE TMS70 Tape Cleaner/ Verifier, and Bell and Howell TD29034B Degausser, all used in conjunction with equipment in the OL88(V) (*)/MYK8(V) and the OL89 (V) (*)/MYK-8 (V).

2-2. Siting

The best operating site for the AN-MYK-8(V) (*) is determined by the tactical situation and other local conditions. The system should be positioned as shown in figure 23. The site selected should meet the following requirements:

a. Assemblage Site. The site selected should be in an open area of approximately 100 feet by 100 feet and relatively level with a slope of no more than 12 degrees. The soil composition must be firm and dry, with good drainage, permitting the proper installation of ground rods.

b. Power Source Site. If a generator is used to provide primary power, it should be located downwind and approximately 50 feet from the assemblages to minimize fire, fume hazards, and generator noise interference. The prime and auxiliary generators should be located in a level area of approximately 50 feet by 50 feet, with a slope of no more than 15 degrees.

c. Security Considerations. The system should be sited in a secure perimeter.

2-3. Shelter Requirements

The shelter requirements for the AN/MYK8(V) (*) are satisfied by the vans and shelter in which the system equipment is enclosed.

Section II. SERVICE UPON RECEIPT OF MATERIEL

2-4. Unpacking

Unpacking of the vans will be performed by qualified ADPE personnel.

2-5. Checking Unpacked Equipment

a. Inspect the equipment for damage incurred during shipment. If the equipment has been dam-

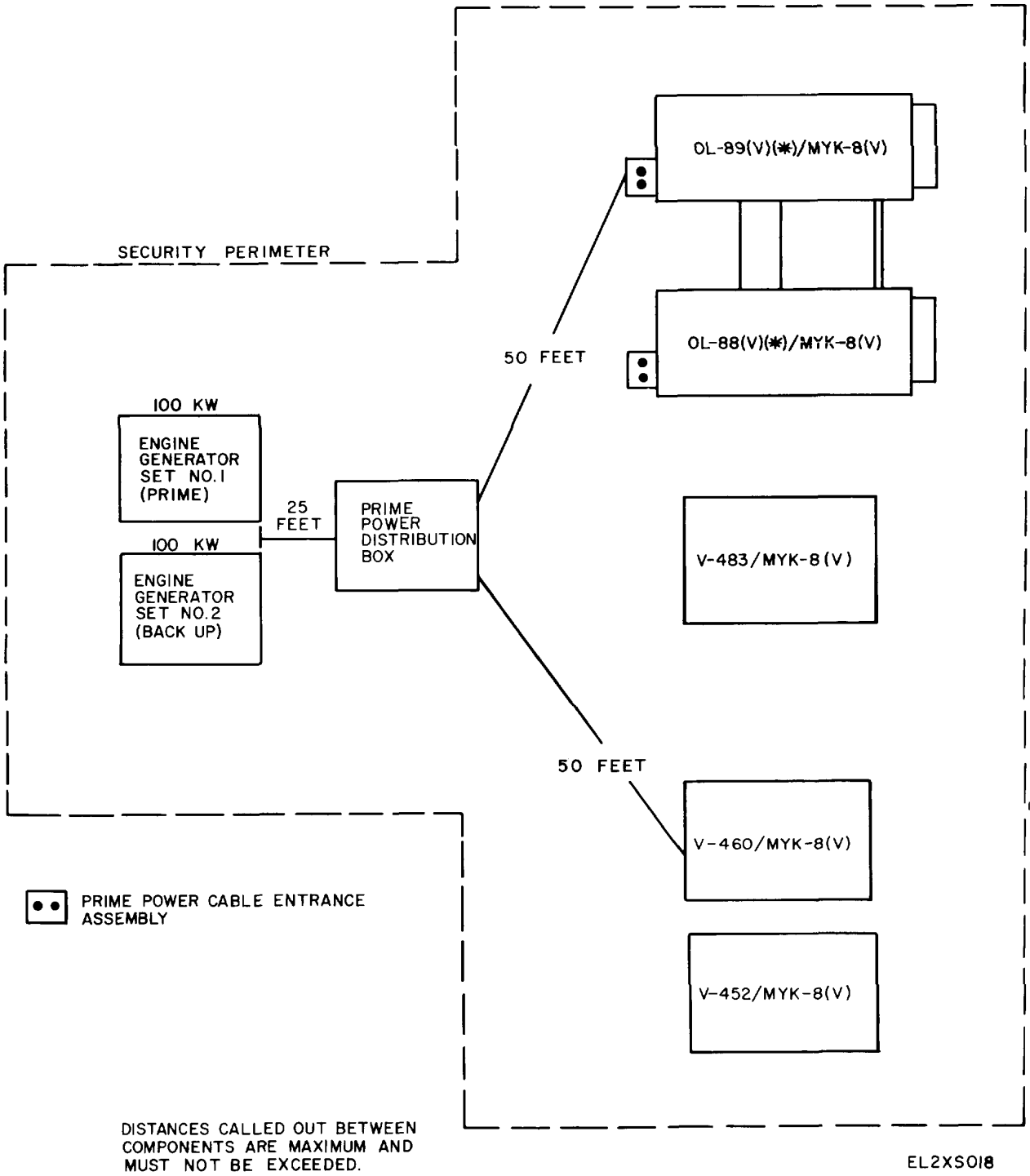


Figure 2-3. Typical Positioning of AN/MYK-8(V)(*).

aged, report the damage on SF 364 (Report of Discrepancy (ROD)) (para. 1-3b).

b. Check the equipment against the component listing in appendix B and the packing slip to verify that the shipment is complete. Report all discrepancies in accordance with instructions in paragraph 13c. The equipment should be placed in service even though a minor assembly or part

that does not effect proper functioning is missing.

c. Check to see whether the equipment has been modified by Engineering changes.

Section III. INSTALLATION INSTRUCTIONS

2-6. Tools, Test Equipment, and Materials Required for Installation

The tools and test equipment required to install the AN/MYK-8(V) (*) are part of the ADPE tool kit furnished with the system.

2-7. Installation Instructions

a. Site the assemblages in accordance with the requirements of paragraph 2-2.

b. Remove cables, passageway kit, leveling plates, and wheel chocks from their assigned storage areas.

c. Place leveling plates and wheel chocks under the front landing gear units and rear leveling jacks.

d. Disconnect the airbrake hose and electrical cables from the prime mover.

e. Lower the front landing gear units onto the wheel chocks and leveling plates.

f. Remove the prime mover from the van.

g. Lower the rear leveling jacks onto the leveling plates. The leveling plates (3 ft. x 3 ft. X ½. in. steel plates) are used under all leveling jacks. For cable routing outside refer to figure FO-1.

h. Assemble and install the passageway between the vans as described in paragraph 2-8.

i. Install signal cables between the vans and wrap protection canvas covering around the cables (fig. FO-2).

j. If outside temperature is extremely high, install van sunshades as described in paragraph 2-9.

k. Connect the assemblages to a power source (para 2-10) and perform initial start-up procedures (para 2-11).

l. Move ADP equipment controlled by hydraulics into operating position (para 2-16).

2-8. Installation of Passageway

(fig. 2-4)

Four persons are required to assemble and install the passageway. Proceed according to the following instructions:

a. Installation of Deck Plate.

(1) Position and lock an angle bracket beneath the side door of each van by inserting eccentric cams into the holes provided and turning the locking handles. The angle bracket marked "ROADSIDE" fits the OL88(V) (*)/MYK-8 (V), and the angle bracket marked "CURBSIDE" fits the OL-89(V) (*)/MYK-8(V).

(2) Insert the four telescoping supports through the channels under the deck plate.

(3) With the small tubing of the telescoping supports towards the 0L89(V) (*")/MYK8 (V), lift the deck plate into position between the van doors.

(4) Extend each telescoping support, as required, and position each on its associated pin of the angle brackets.

(5) Position the deck plate at the center of the supports. Place a deck ramp at each end of the deck plate. (Hook the deck ramp angle over the top of the angle brackets.)

b. Installation of Canopy Supports and Handrail.

(1) Secure a canopy support bracket over each van door with three bolts and washers.

(2) Extend each canopy support as required. Place the slot in each end over a screw extending from the canopy support brackets.

(3) Extend the handrail as required. Place the slot in each end over the screw next to the door.

(4) Slide locking plate on each support ((2) and (3) above) against the van and tighten the securing screws.

c. Installation of Canopy.

(1) Drape the canopy marked "CURBSIDE" over the canopy supports with the snap end against the OL-89 (V) (*)/MYK-8 (V) .

(2) Align the fasteners on the snap bracket and canopy support brackets with the canopy snaps. Snap the canopy into position.

(3) Install the canopy marked "ROADSIDE" over the supports and snap to OL88(V) (*)/MYK-8(V) ((1) and (2) above).

(4) Pull each canopy section to the center of the passageway and lap one section over the other.

(5) Secure the canopy on top and bottom with the straps provided.

2-9. Sunshade Installation

(fig. 2-5)

Install the sunshade on the vans whenever temperatures are high enough to warrant its use. Installation can be performed without interrupting system operation or during initial setup. The rear

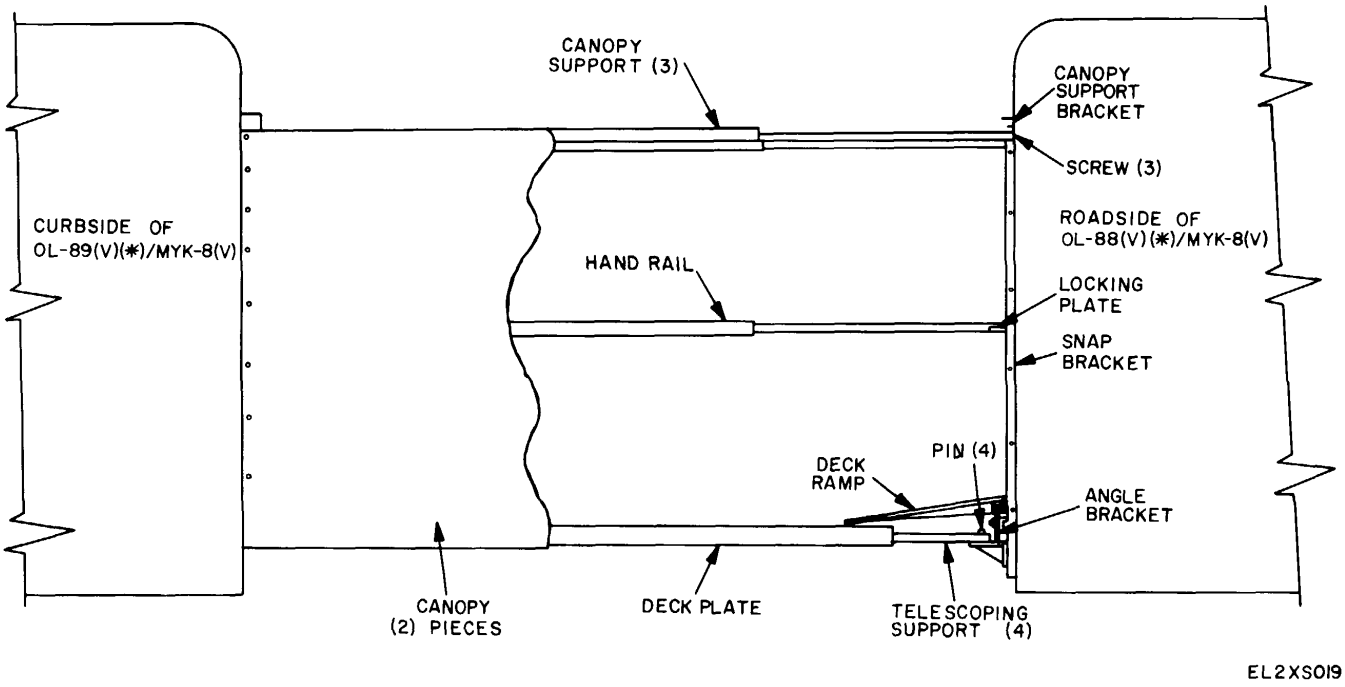


Figure 2-4. Installation of passageway.

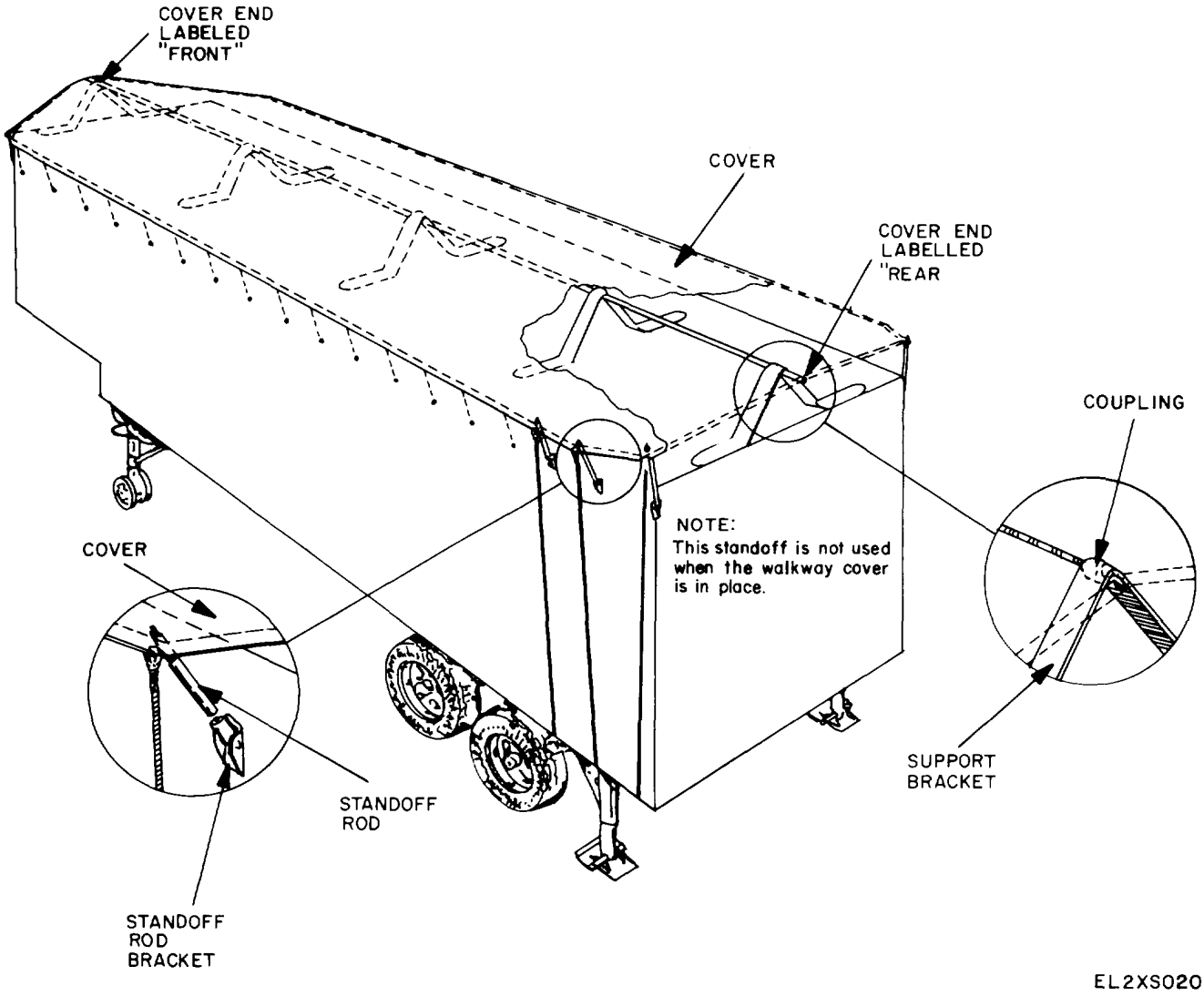


Figure 2-5. Sunshade Installation.

ladder can be used to gain access to the van roof. Install the shade as follows:

a. Install support assembly and standoff rods.

b. Starting from either the front or rear of the van, unroll the shade over the support assembly.

c. Insert each standoff rod into its corresponding grommet.

d. Secure the shade by fastening the shade's nylon ropes to their associated van tie-down hooks.

Section IV. PRELIMINARY ADJUSTMENT OF EQUIPMENT

2-10. Extent of Preliminary Checks and Adjustments

The preliminary checks and adjustments for the AN/MIYK8(V) (*) consist of grounding the assemblages, connecting power, and then performing a check of the power, lighting, and climate control system. These procedures ensure that the AN/MYK-8(V) (*) has been properly emplaced and is in a condition ready for operation.

2-11. Grounding

The assemblages, including the prime power distribution box and the power generator (if one is used), must be properly grounded before signal

and power cables are connected. Select the lowest, dampest point within 6 feet of the ground connections and scoop out a small hole about 6 inches deep. When selecting sites for the ground rods, be sure that they will not interfere with signal cables, power cables, or traffic around the system. Remove any paint or grease from the ground rods. Drive each rod into the hole until approximately 4 inches of the rods protrude from the bottom of the holes. Saturate the ground surrounding each rod with water. When the terrain is dry in summer months, a length of hose connected to the air, conditioner runoff can be used to keep the area around the ground rod moist.

a. Installation of Van Ground Rods.

(1) Refer to TM 9233027114 and remove ground rods, straps, and sledge hammer from storage.

(2) Connect one end of ground strap to the installed ground rod and the other end of the strap to the GND stud in the van POWER ENTRANCE PANEL.

(3) Install a ground strap between the GND studs of each van.

b. Installation of V-460/MYK-8(V) Ground Rod.

(1) Remove ground rod and sledge hammer from mountings on shelter wall. Remove 10 foot ground strap from storage cabinet in shelter.

(2) Lift and secure the cover of the POWER ENTRANCE BOX.

(3) After installing the ground rod, connect one end of the ground strap to the rod and the other end of the strap to the lower GROUND TERMINAL in the PONWNER ENTRANCE BOX.

c. Installation of Power Generator Ground Rod. If a power generator is used with the AN/MYK8(V) (*), refer to TM 5611529313 for grounding procedures.

d. Installation of Prime Power Distribution Box Ground Rod. Remove and site power distribution box and proceed as follows:

(1) Remove ground rod and strap from its storage location in the van and install.

(2) Connect one end of ground strap to ground rod and the other end of strap to the stud on the rear of the power distribution box.

2-12. Connection of Prime Power Distribution Box

(fig. 2-6, 2-7 and 2-8)

Electrical power for the AN/MYK8(V) (*) equipment may be obtained from any 120/208 vac 60 Hz source. The power source can be either a standard power distribution grid or a PU495/G Mobile Generator Set. In either situation, the prime power distribution box must be connected between the power source and the assemblages of the AN/MYK8(V) (*) according to the following procedures:

a. Remove the power cables from their storage locations in each assemblage; each van has two 50 foot power cables associated with it; the V460/MYK-8(V) has one 50 foot power cable.

b. Connect one end of the power cables to the receptacles located on the respective power entrance panels. Connect the other end of the power cables to the appropriate receptacles on the front of the power distribution box.

2-13. Power Connections

CAUTION

Make grounding connections (para 211) before any power is connected to the AN/MYK-9(V) (*).

a. Connect the connector ends of the two 25 foot prime power cables to the receptacles on the rear of the power distribution box.

b. Open the access panels on the generator to gain access to the generator load panel.

WARNING

Voltage produced by this generator is a potential personnel safety hazard. To ensure maximum safety of personnel from electrical hazards, the generator set should not be operating. If the generator must be operating for emergency servicing or testing, set main power switch to OFF to disconnect the generator from the load panel terminals and warn other personnel not to set main power switch to ON.

c. Refer to TM 5-6115-365-15 and connect the power cable lugs to the corresponding generator load terminals.

WARNING

Deenergize or disconnect the central power source before making any connections.

CAUTION

Check to be sure there is correct phasing between the power source terminations on the adapter and the prime power cable connections.

2-14. Power System Installation Check

A few checks of basic system operation should be made before putting the power system into full

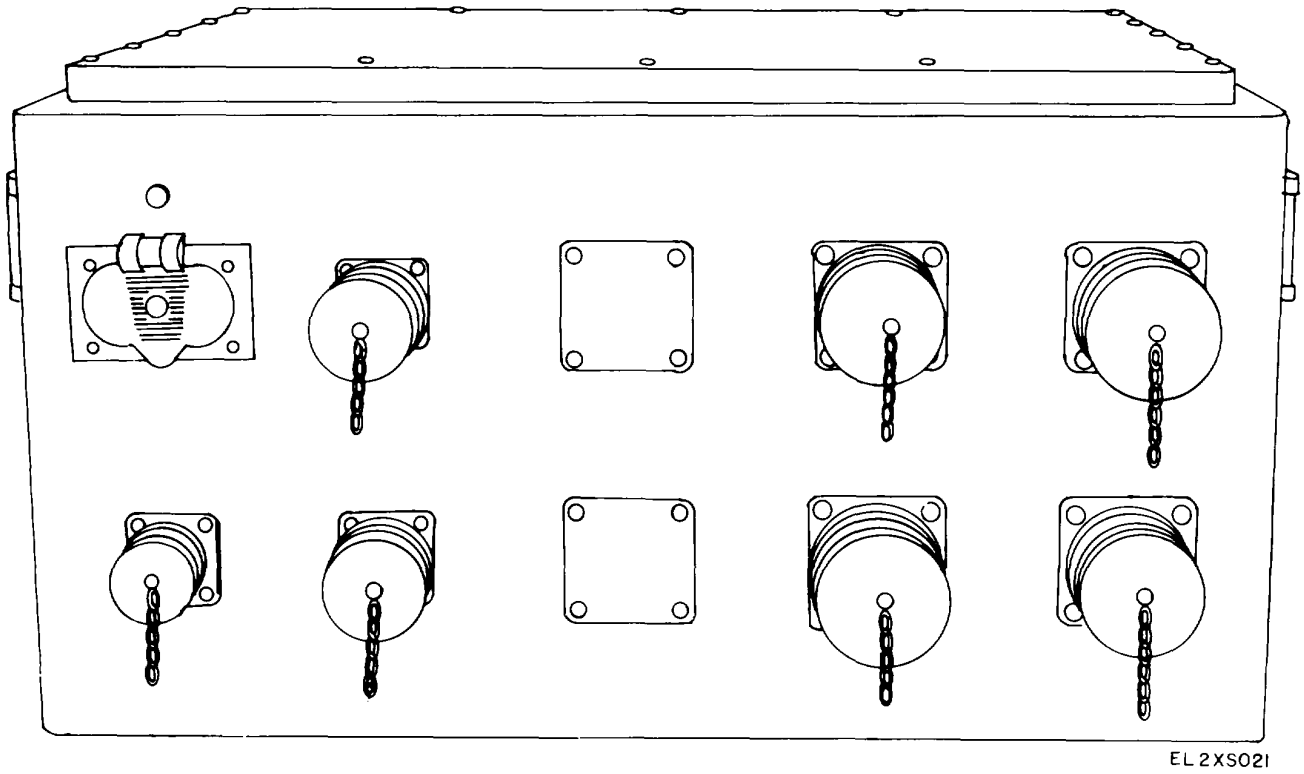


Figure 2-6. Prime Power Distribution Box for AN'/MUK-8(1')1.

operation. These checks consist basically of energizing the power and lighting circuits of the AN/ MIYK8(V) (*) assemblages and then performing a visual inspection of the equipment within each assemblage to ensure that no damage has occurred during transportation.

a. Power and Lighting Check

NOTE

Refer to figure 29 for locations of controls and indicators referred to in the following procedures.

(1) Ensure that all assemblages have been grounded and connected to the primary source (para. 2-11, 2-12 and 2-13).

(2) Ensure that the power source is deenergized and that all circuit breakers and equipment switches are in the OFF position.

(3) Energize the I)rime power source.

(4) Observe that ac service power panel phase lights are illuminated in each assemblage.

(5) Observe that ADP power indicator and alarm panel phase lights phase 1, phase 2, and phase 3 are illuminated in both vans.

NOTE

If audible/visual alarms are present, remove power and check power connections at the prime power source for proper phasing. Do not touch or remove any prime power connector without first removing power.

(6) Turn the ac service power main circuit breaker to ON.

(7) Turn incandescent lighting switch to ON in each assemblage. Verify that each lighting system is operative.

(8) Turn emergency and blackout circuit breakers to ON.

(9) Turn fluorescent lighting circuit breakers to ON. Confirm that all fluorescent lights are illuminated.

(10) Energize utility outlet and air-conditioning power circuit breakers in each assemblage.

(11) 'Where applicable, energize hydraulic unit circuit breakers.

b. Visual Inspections..

(1) Check to see that the grounding system

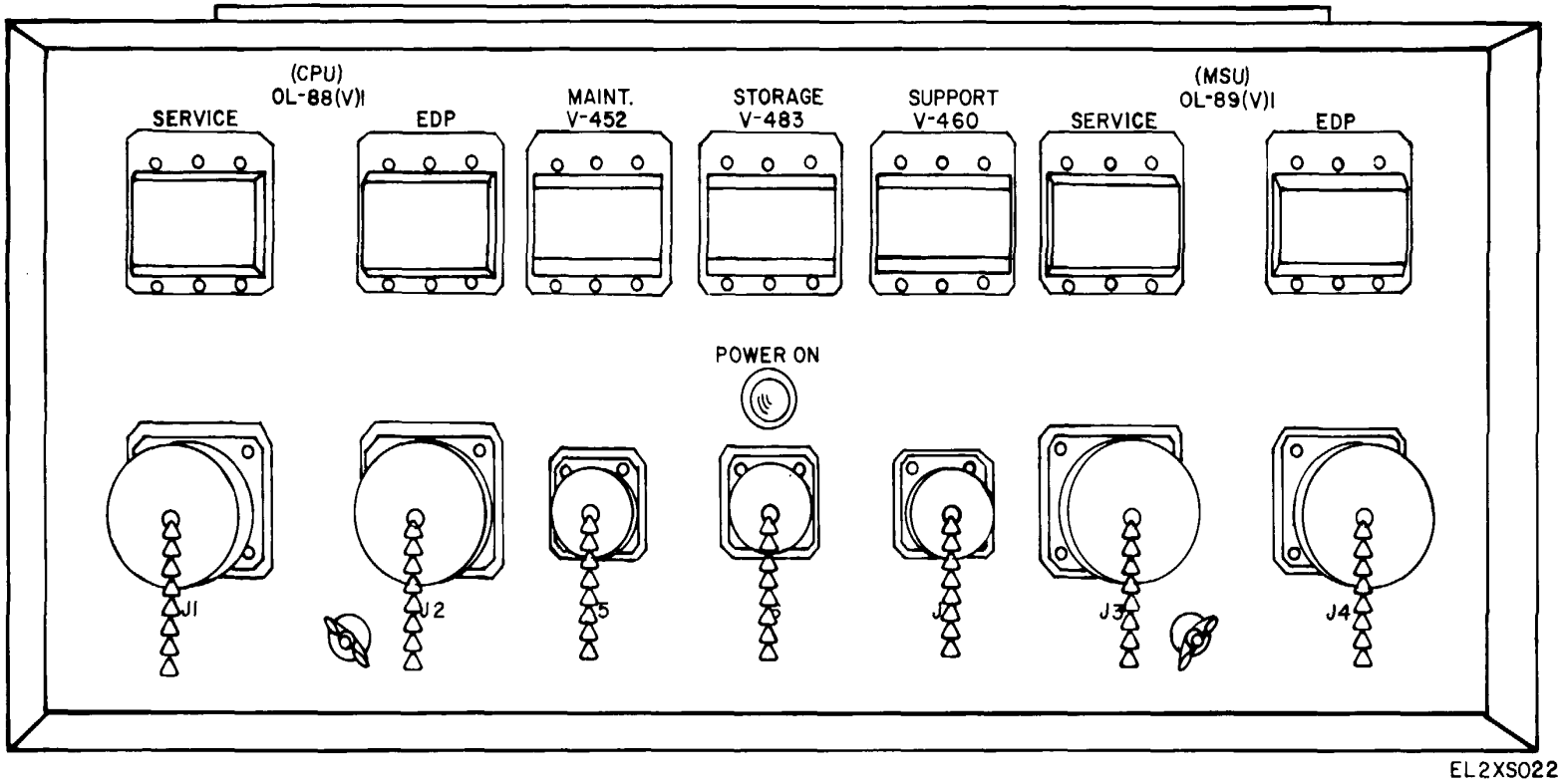


Figure 2-7. Primer Power Distribution Box for AN/MYK-8(1')3, Front View.

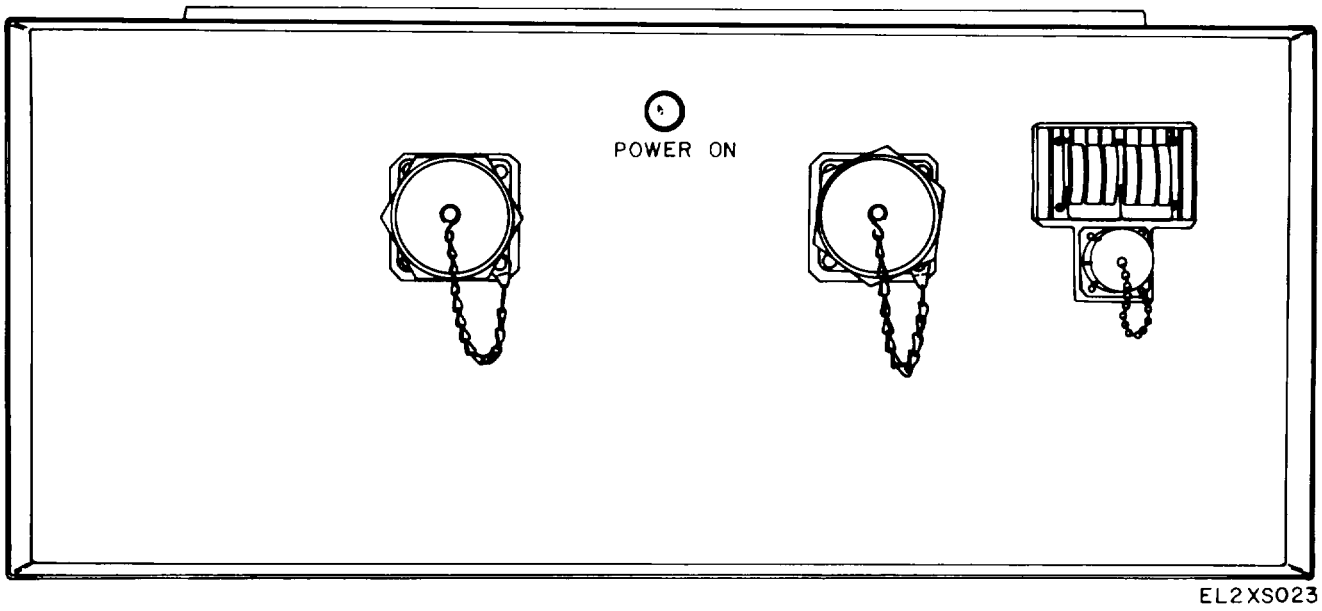


Figure 2-8. Prime Power Distribution Box for AN/MYK-8(V)3, Rear View

is properly installed and that all grounding connections ale secure.

(2) Check to see that power cable connections are secure and that surplus cable is properly arranged.

(3) Ensure that ventilation system is not clogged or obstructed.

(4) Check all equipment for damaged indicators, switches, controls, and connectors.

Section V. INSTALLATION AND CIRCUIT LINEUP

2-15. Signal Connections

Intervan signal cables consist only of standard ADPE cabling (fig. FO-2). These cables will be connected by qualified ADPE maintenance personnel.

2-16. Movement of ADP Equipment to Operate Position

Data processing equipment within each van, except OL-88 (V)3 MYK-8(V), is connected to hy-draulic rams; the equipment is positioned in the center of the vans to ensure stability during transit. Only OL-88(V) (3) /MYK-8(V) is hard-mounted and swivels out 55 degrees to the center of the van for transit and back to the walls for operation. Equipment may also be moved to facilitate maintenance. To retract the hydraulic mounted equipment for operation, proceed as follows:

NOTE

The equipment may be supported by wooden braces during transit. If so, remove the braces before initiating the procedures below.

a. Check the OIL LEVEL gauge. The gauge must indicate at least 1/2 full.

b. Clear flow between the rear of the rack and the van wall.

c. Depress the START MOTOR PUMP button on the hydraulic console.

d. Depress and hold the console IN button. Hold the button until the equipment rack has stopped at the van wall. The OIL PRESS gauge will build up) to about 600 pounds. Perform this step for each ADP unit to be moved.

e. Depress the STOP PUMP MOTOR button.

f. Place hydraulic rail covers in place.

2-17. Post-Installation Operational Checks and System Alignments

Refer to the appropriate technical manuals listed in appendix A.

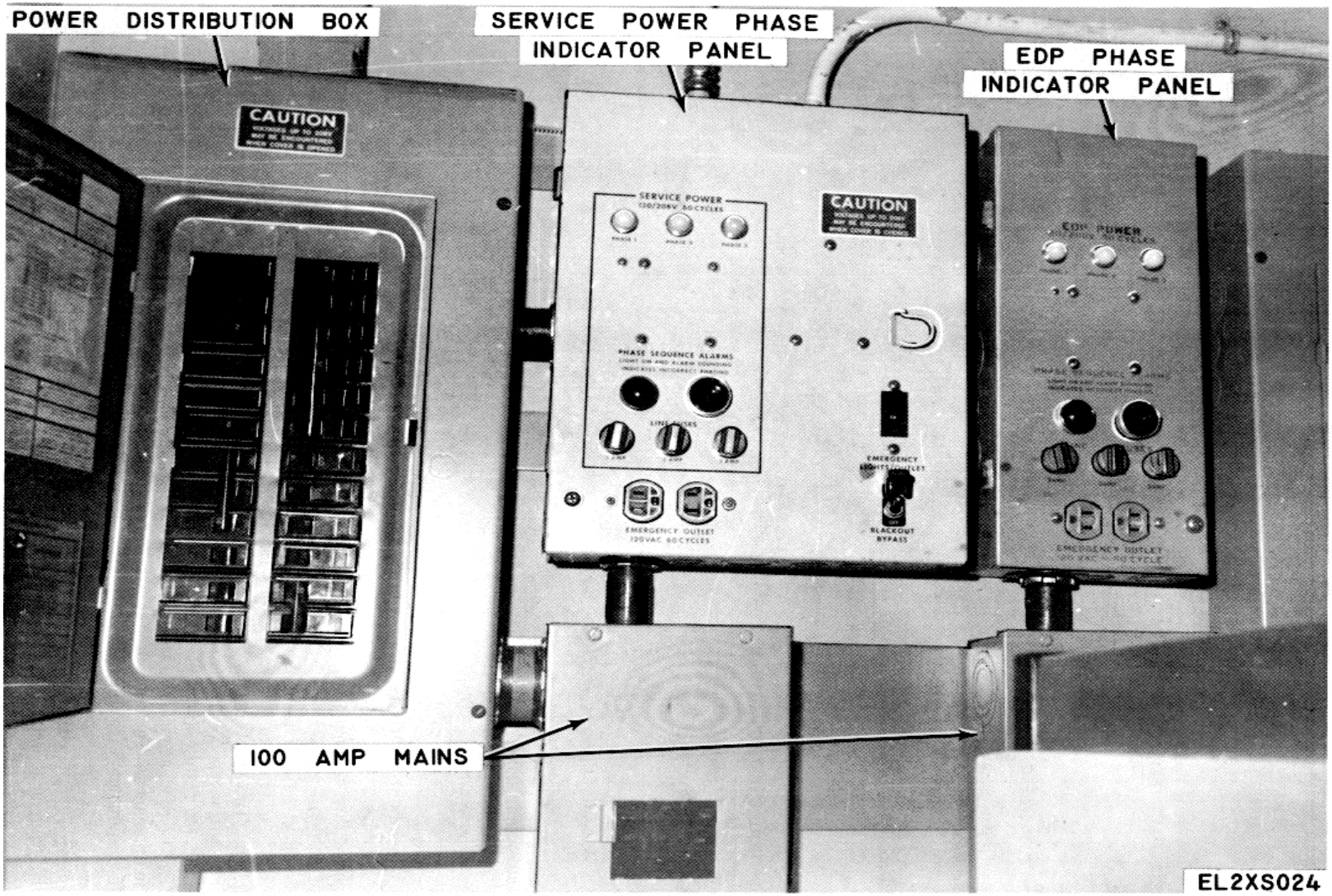


Figure 2-9. Control and Indicator Panel.

CHAPTER 3

OPERATING INSTRUCTIONS

Section I. CONTROLS AND INSTRUMENTS

3-1. Damage from Improper Settings

Before operating the AN/MYK-8(V)(*), the operator must become thoroughly familiar with the controls and indicators. Do not operate the assemblages until the location, function, and use of each control and indicator are understood.

3-2. Operator/Crew Controls

Controls and indicators of the assemblage's components are described in their respective manuals (appx A).

a. Figure 3-1 illustrates the POWER DISTRIBUTION BOXES and hydraulic controls console for OL-89 (V) 3/MYK-8 (V).

b. Figure 3-2 illustrates the EDP POWER DISTRIBUTION BOX and SERVICE POWER DISTRIBUTION PANEL for OL-88 (V) 3/MYK-8(V).

c. Figure 3-3 shows the POWER DISTRIBU-TION PANEL for V-460/MYK-8(V).

d. Figure 3-1 shows the hydraulic control console for OL-88(V)1/MYK-8(V).

e. Figure 3-5 shows the hydraulic control console for OL-89(V) 1/MYK-8(V).

CAUTION

Prior to operating the equipment ensure that the surrounding air temperature is between 60 and 90 degrees Fahrenheit.

Section II. OPERATION UNDER USUAL CONDITIONS

3-3. Energizing Circuits

Refer to paragraph 2-14a for initial startup pro-cedures. Apply power to the internal circuits as shown below:

a. OL-88(V) (*)/MYK-8(V).

(1) Ensure that all van 1 power control center circuit breakers (main and branch) and equipment power switches are in the OFF posi-tion.

(2) Verify that ac service indicator and alarm panel (A5) phase lights DS1, DS2, and DS3 are lit (fig. 2-9).

(3) Turn on the ac service power main circuit breaker (A4).

NOTE

If audible alarm is present, remove power and check power connections at the prime power source for proper phasing. Do not touch or remove any prime-power connector without first removing power.

(4) Turn on van incandescent lighting switch located in van entrance vestibule. Verify that van lighting system is operative.

(5) Turn on emergency and blackout cir-cuit breakers located on service indicator and alarm panel (A5).

(6) Turn fluorescent lighting circuit breakers number 14, 16, and 18 on the ac service load center (A6) to the ON position. Confirm that all fluorescent van lighting is illuminated.

(7) Turn on the utility outlet number 19 and utility outlet number 20 circuit breakers on the ac service load center (A6).

(8) Energize air-conditioning power circuit breaker on the ac service load center (A6) (1 thru 12, 4 groups of 3 breakers).

(9) Turn on air-conditioner power switches located on front wall of the van.

(10) Confirm outward air pressure by hold-ing hand in front of the air-conditioner unit fan.

(11) Refer to TM 5-4120-308-15 for air-conditioner unit operating instructions. Leave the air-conditioner unit operating in a mode that suits the test environment.

NOTE

Ensure that the air-conditioner unit is operating correctly before proceeding. If required, air flow distribution adjust-ments can be made by varying the adjustable diffusers located along the sides of the air ducts above the plastic grill (four on each side of van).

(12) Turn on the intercom power circuit breakers on the ac service load center (A6). Verify that the unit power is on.

(13) Verify that ADP power indicator and alarm panel (A8) phase lights DS1, DS2, and DS3 are lit.

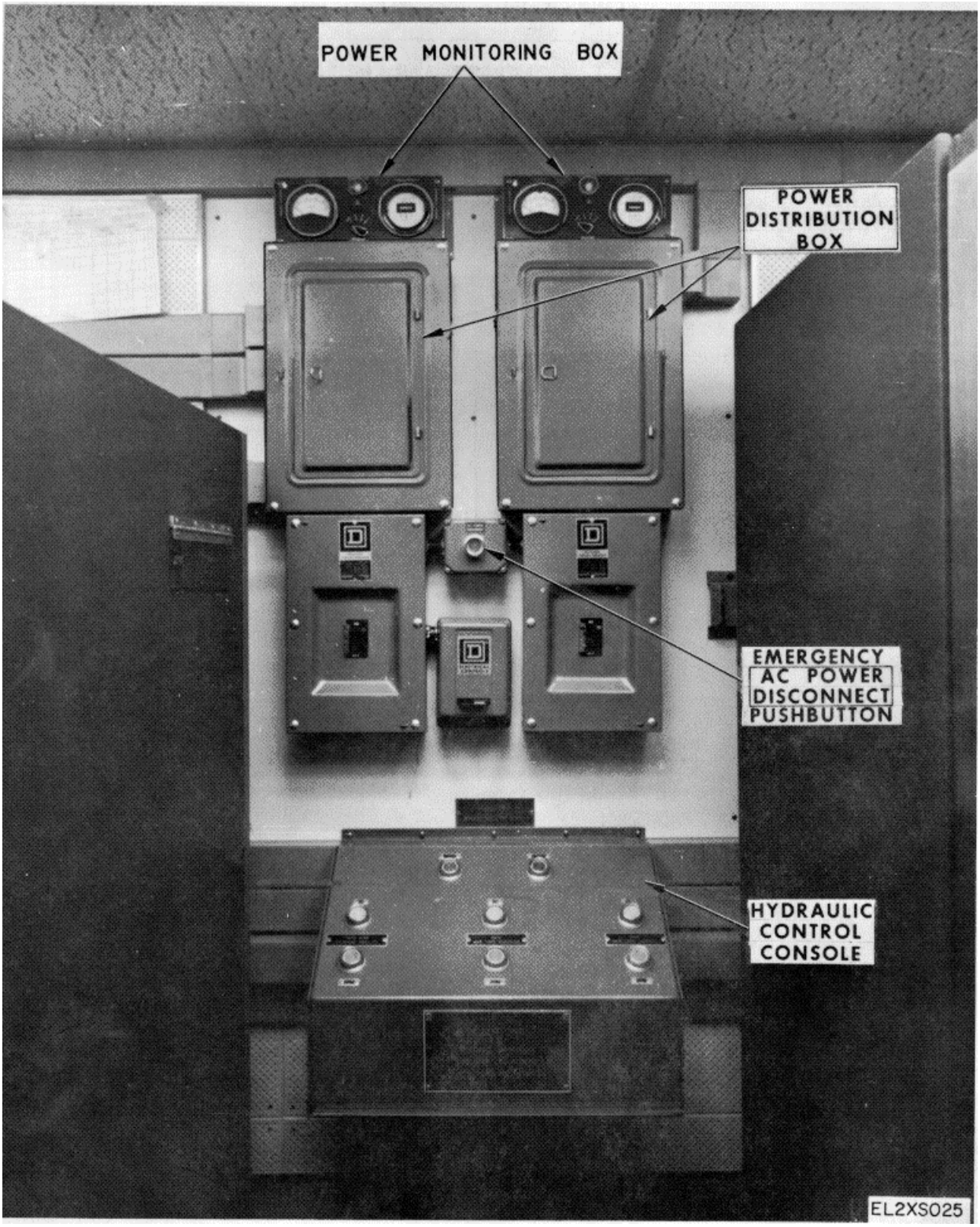


Figure 3-1. POWER DISTRIBUTION BOXES and Hydraulic Control Console for OL-89(V)3/MYK-8(V).

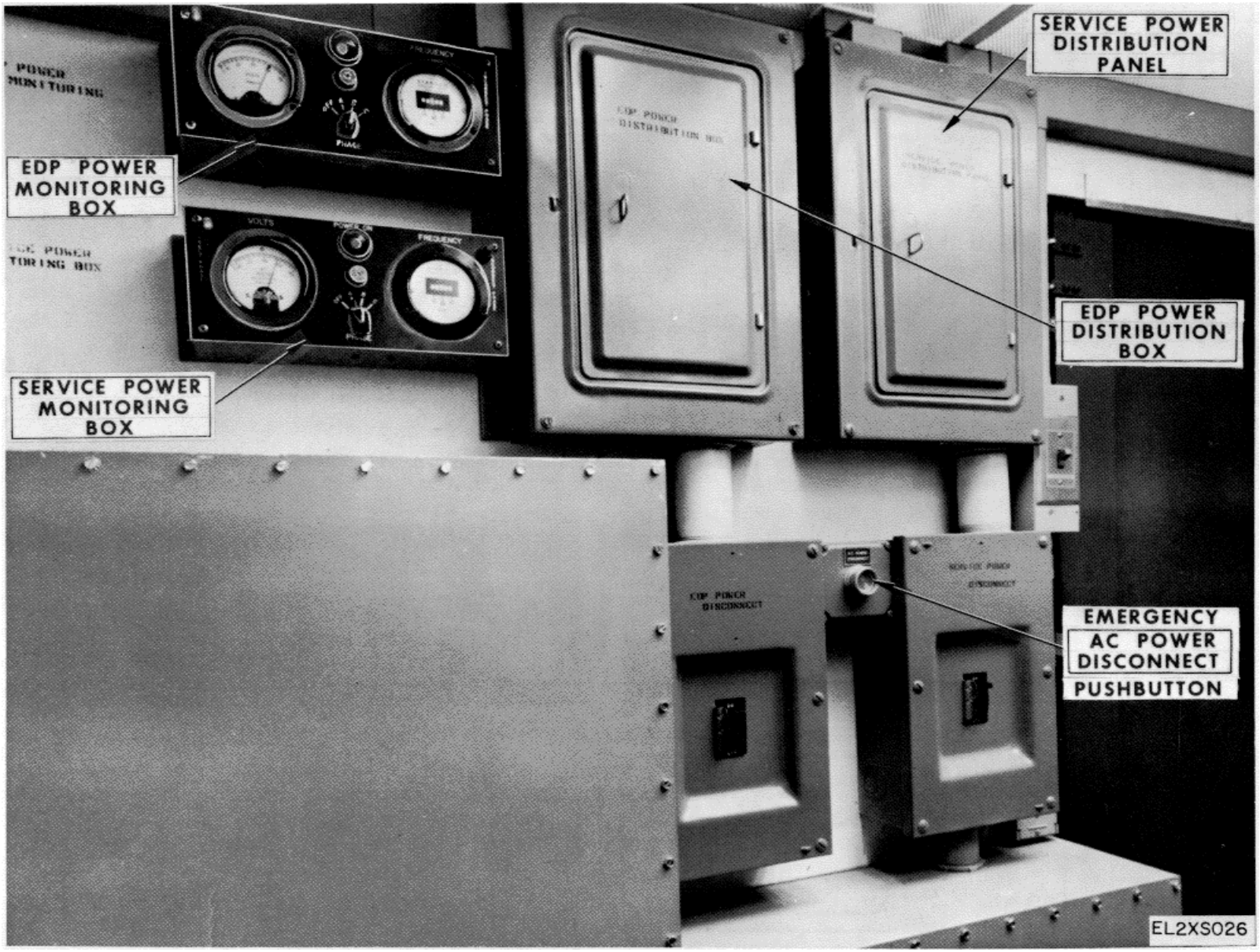


Figure 3-2. EDP POWER DISTRIBUTION BOX and SERVICE POWER DISTIRBUTION PANEL for OL-88(v)3/MYK-8(V).

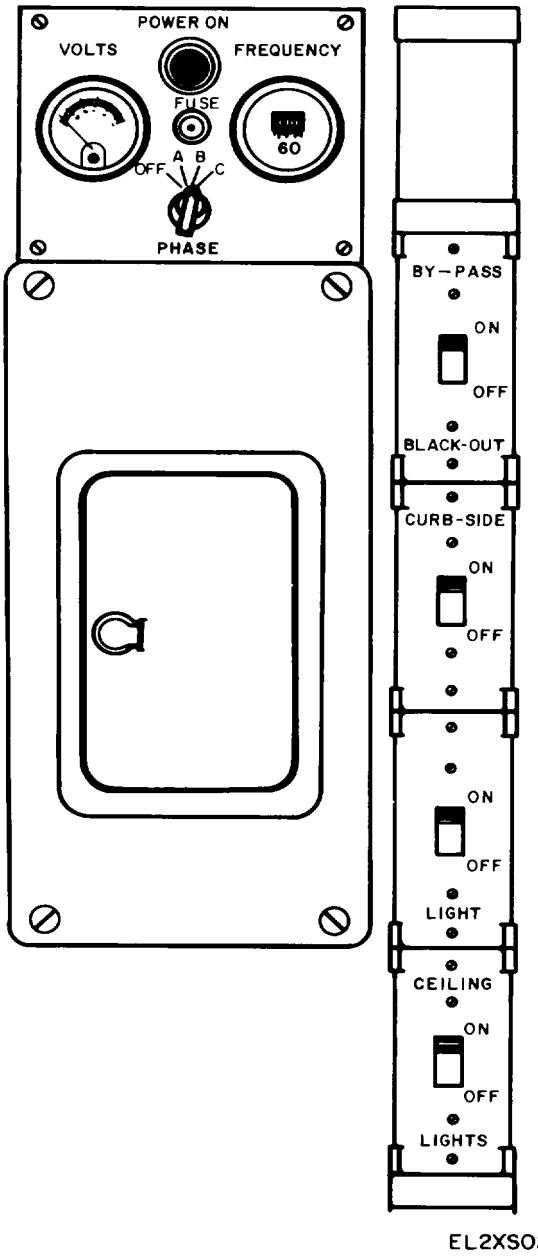


Figure 3-3. POWER DISTRIBUTION PANEL for V-460/MYK-8(V)

(14) Energize ADP main power circuit breaker.

(15) Turn on the control unit (2821-1) cir-cuit breaker on the ADP power load center (A9).

(16) Turn on the processing unit (2030) cir-cuit breaker on the ADP power load center (A9).

(17) Turn on the CMI1 memory circuit breaker.

(18) Verify that all equipment is receiving power.

(19) Inform the data processing equipment operator that unit power is available.

b. *OL-89(V) (*)/MYK-8(V).* To apply power to the equipment in the OL-89(V) (*)/MYK-8 (V), perform (1) through (14) of paragraph 3-30, and the following procedures:

(1) Turn on the tape control (2804-2) cir-cuit breaker on the ADP power load center (A9).

(2) Turn on the direct access storage (2314) circuit breaker on the ac service load center (A6).

(3) Turn on the M.T. unit test receptacle circuit breaker on the ac service load center (AG).

(4) Inform the data processing equipment operator that unit power is available.

(5) Ensure that the intercom unit power switch is on.

c. V-460/MYK-8(V).

(1) Operate the POWER DISTRIBUTION PANEL MAIN circuit breaker to ON.

(2) Operate the POWNER DISTRIBUTION PANEL LIGHTS circuit breaker to ON, and the FLUORESCENT LIGHTS switch to ON.

(3) If blackout conditions are required, operate the BYPASS BLACKOUT switch to OFF; otherwise operate it to ON.

3-4. ADPE Operation

Refer to the applicable publication listed in appendix A for the operation of IBMI 129 Card Data Recorder.

3-5. Stopping Procedures

NOTE

In a routine power shutdown, the OL 88(V) (*)/MYK-8(V) is the last van to be stopped.

a. V-460/MYK-8(V).

(1) Turn off equipment power switches as described in the applicable manuals listed in appendix A.

(2) Turn circuit breakers on the POWER DISTRIBUTION PANEL to OFF.

(3) Turn light switches to OFF.

b. OL-88(V)(*)/MYK-8(V) and OL-89(V)(*)/MYK-8 (V).

(1) Have a qualified personnel cycle ADP equipment down.

(2) Press power switch OFF pushbutton on CPU console).

(3) Turn off each circuit breaker on the ADP load center.

(4) Turn off ADP power main circuit breaker (A7).

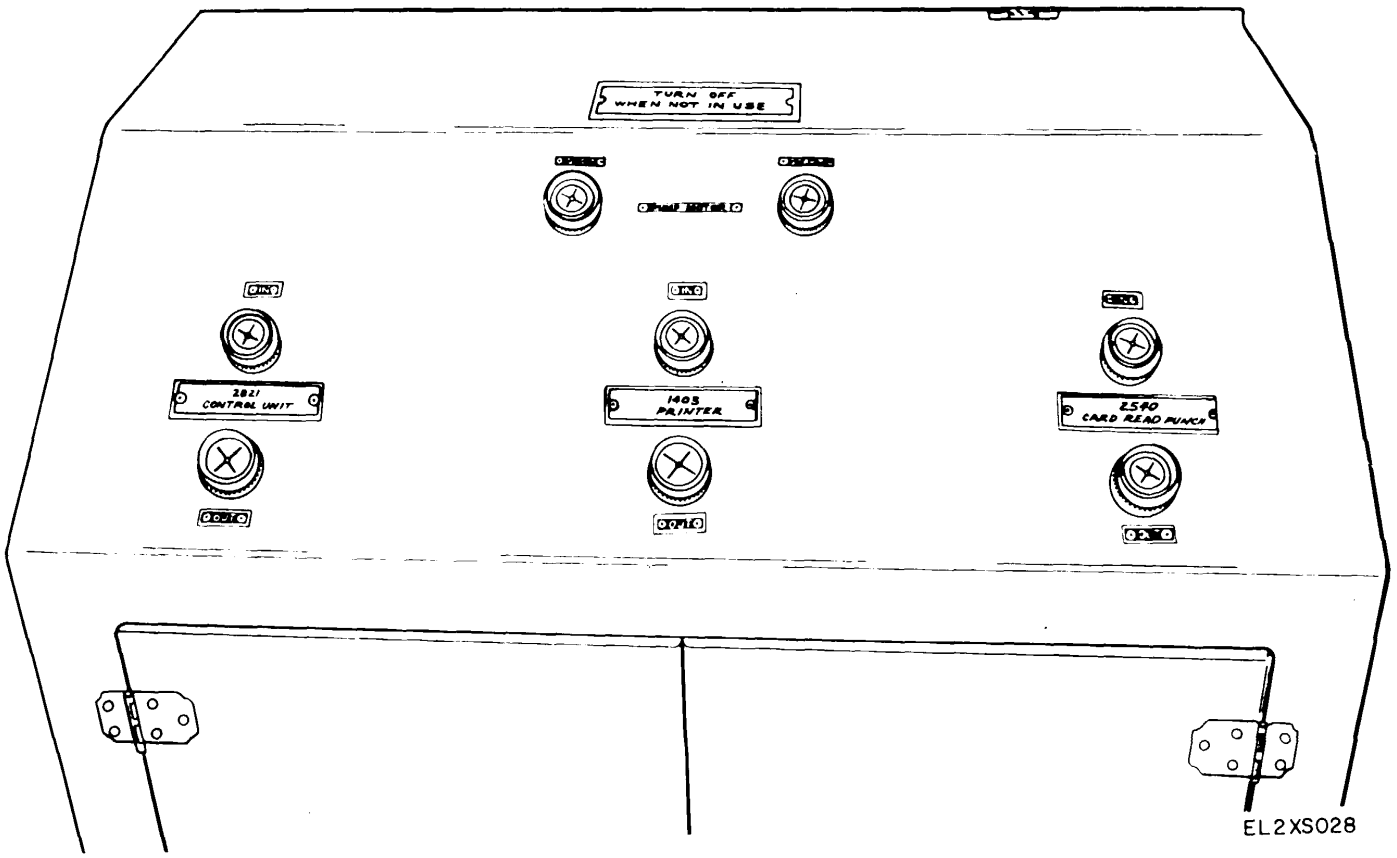


Figure 3-4. Hydraulic Control Console for OL-88(V)1/MYK-8(V).

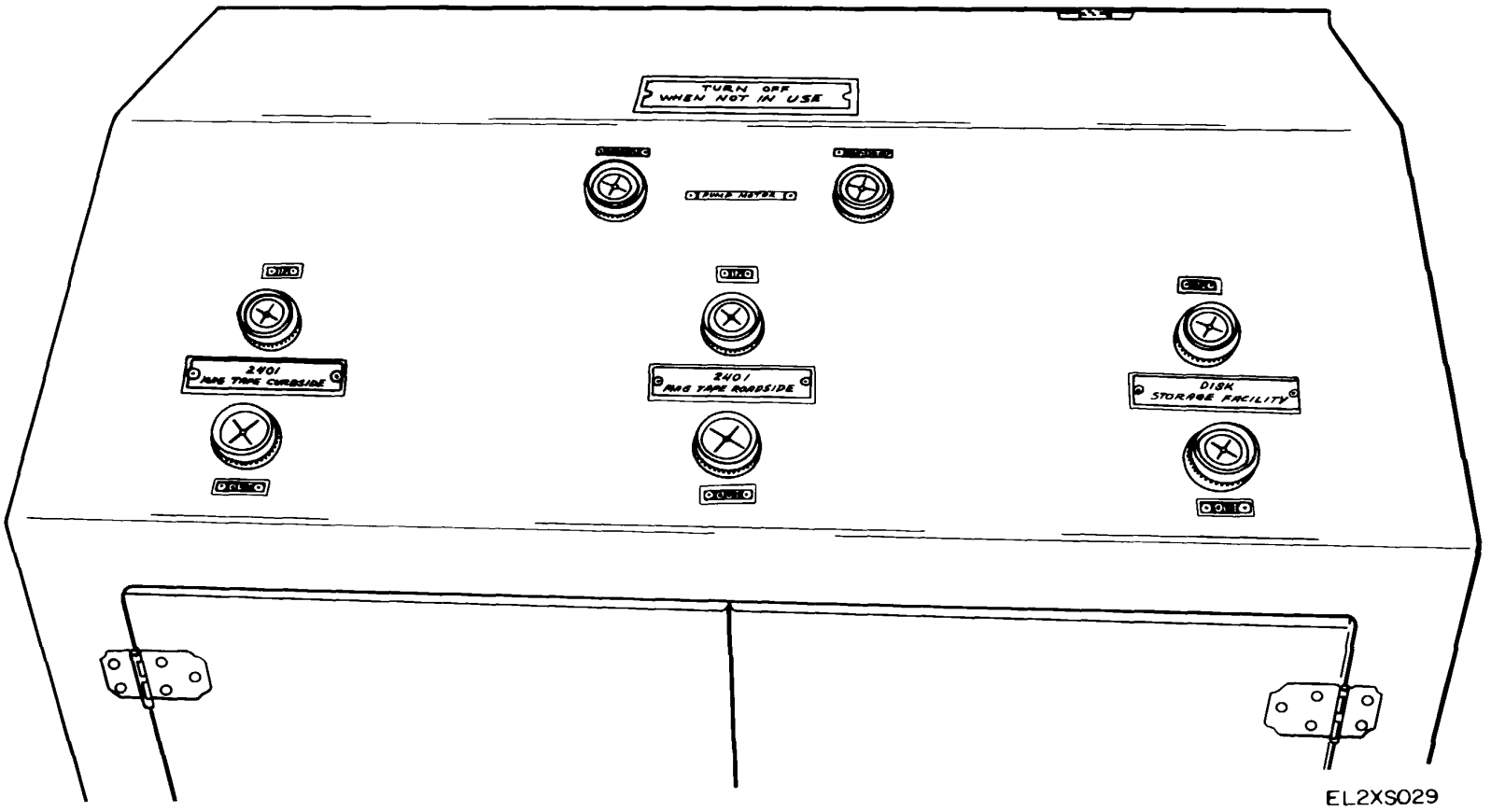


Figure 3-5. Hydraulic Control Console for OL-89(V)1MYK-8(V).

(5) Refer to air-conditioner unit operating procedure, TM 5-4120-308-15 for shutdown of air-conditioner unit.

(6) Turn off each circuit breaker on the ac service power load center (A6).

(7) Turn off ac service power main circuit breaker (A4).

(8) Turn off van incandescent light switch.

Section III. OPERATION UNDER UNUSUAL

3-6. Operation in Extreme Climates

The assemblages of the AN/MYK-8(V) (*) are fully insulated and weatherproofed for operation in hot, cold, or moderate climates. The shelter facility provides complete protection from the elements for personnel and equipment; however, under extreme conditions, the following precautions are necessary.

a. Cold Climates. Extreme cold causes cables and wires to become hard, brittle, and difficult to handle. Be careful when handling the cables and connecting them to the assemblage so that kinks and unnecessary loops will not result in permanent damage. Make sure binding posts and connectors in the entrance boxes are free of frost, snow, and ice. Replace the covers on receptacles, and close the entrance box covers when they are not in use. Replace the connector cover as soon as a cable is disconnected. Never drag or place an open connector in the snow.

b. Hot Climates. In hot, dry climates, connectors, receptacles, and binding posts are subject to damage from dust and dirt. Replace the covers on the connectors and receptacles and close the covers on entrance boxes when they are not in use. Never place an open connector on the ground. When outside temperatures are extremely high, install the sunshades as described in paragraph 2-9. Use of the sunshade can lower internal van temperatures as much as 10 degrees.

c. Warm, Damp Climates. In warm, damp climates, the equipment is subject to damage from moisture and fungi. Wipe all moisture and fungi from the equipment with a lint-free cloth.

3-7. Emergency Power Shutdown and Restart

a. Emergency Shutdown. To remove plower from the vans in an emergency condition, per-form the following procedure:

(1) Turn the ADP MAIN circuit breaker to OFF to remove power from all ADP equipment.

(2) Turn the ac service plower main circuit breaker to OFF.

b. Restart. To apply power to the vans after an emergency shutdown, perform the following procedure:

(1) Perform (1) through (7) of paragraph 3-5b.

NOTE

If the ADP system has been shutdown under emergency conditions either l)y an ADP maintenance power breaker in any van being tripped, or by the EMERGENCY POWER OFF OPERATORS CONSOLE PULL SWITCH (CPU) be-ing activated, call qualified maintenance personnel only to reset EPO sequencing equipment, then bring the ADP system up.

(2) To restart the OL-88(V) (*)/MYK-8 (V), perform (1) through (19) of paragraph 3-3a. To restart the OL-89 (V) (*) /MYK-8(V), perform (1) through (14) of paragraph 3-3a and (1) through (5) of paragraph 3-3b.

Section IV. PREPARATION FOR MOVEMENT

3-8. Packing Procedures

a. Shut down system equipment according to instructions in paragraph 3-5.

b. Move ADPE to transport position as follows:

(1) Clear the floor area of the van in front of the equipment rack and lift hydraulic rail cover plates.

(2) Depress the START MOTOR PUMP button.

(3) Depress and hold the OUT button. Re-lease the button when the rack has stopped in the center of the van. Repeat for each unit to be moved.

(4) Depress the STOP MOTOR PUMP button.

c. Perform interval pack operation in accordance with the applicable equipment publication (appx A).

d. Remove signal cables (fig. FO-1) from van 1 and 2 and install covers (performed by ADPE maintenance personnel only).

e. Shut down engine generator sets in accordance with instructions in TM 5-6115-293-12.

f. Remove all power cables connected to the

vans, the power distribution box, and the engine generators. Install dust covers.

g. Coil the cables removed in d above and store in assigned location.

h. Disconnect the remaining cables connected to the prime-power distribution box. Place dust covers on cable connectors.

i. Remove the prime-power distribution box ground rod. Install dust covers on prime-power distribution box connectors.

j. Store the prime-power distribution box and ground rod in their assigned storage locations.

k. Disconnect each remaining cable from the engine generator set load terminals.

l. Store the cables in their assigned storage location.

m. Remove the ground cable connected between vans.

n. Remove the ground rods attached to the prime-power connector panel of each van.

o. Store the ground cables and grounding rods removed in m and n above in their assigned storage location.

p. Disassemble the passageway and store. Using four persons, disassemble the passageway as follows:

(1) Loosen the straps at the top and bottom of the canopy.

(2) Release the snaps at each van.

(3) Remove the two canopy sections from the passageway.

(4) Release the locking plates and lift the three canopy supports off the screws in the canopy support b)rackets.

(5) Release the locking plates and lift the handrail from the fittings securing the rail.

(6) Remove the canopy support brackets from each van by removing the three bolts and washers serving each bracket. Place the bolts and washers in a bag or cloth and tie to each bracket.

(7) Lift the two deck ramps from the deck.

(8) Lift the deck plate from the angle brackets.

(9) Release each angle bracket from the van by turning the locking handles. Pull the bracket from the van.

3-9. Preparation for Transport

To prepare the vans for transport, perform the following procedures:

NOTE

Ensure that the ADP equipment backup procedures contained in applicable publications listed in appendix A of this man-ual have been completed and units are located in transport position prior to performing the following procedures.

a. Couple the prime mover to the van.

b. Connect the airbrake hoses and electrical cables between the prime mover and the van.

c. Raise front landing gear units and rear leveling jacks to a fully retracted position.

d. Remove wheel chocks and leveling plates and secure them in their assigned storage location.

e. On OL-88(V)3/MYK-8(V) and OL-89(V) 3/MYK-8(V) vans only, the front and rear standing platforms must be folded up against the van exterior and properly secured.

f. Check to see that the van braking system is working properly.

CHAPTER 4

OPERATOR AND ORGANIZATIONAL MAINTENANCE INSTRUCTIONS

NOTE

No operator crew maintenance has been authorized for the AN/MYK-8(V) (.").

Section I. TOOLS AND EQUIPMENT

4-1. Common Tools and Equipment

Refer to appendix D, section III of this manual for a list of tools and equipment authorized for use by organizational maintenance.

4-2. Special Tools and Equipment

No special tools or equipment are required for servicing the AN/MYK-8 (V) (*).

Section II. REPAINTING, REFINISHING AND LUBRICATION INSTRUCTIONS

CAUTION

Solar reflecting paint per MIILE-46061A(MO has been used to paint the exterior of some AN/MYK-8(V) (*) assemblage facilities to lower the inside temperature during exposure to the direct rays of the sun. However, camouflage paint has been used to paint the exterior of tactical units. Before doing any touchup) painting on the exterior of any assemblage, check for any caution notices on the entrance door. Do not use any paint other than specified by the caution notice.

4-3. Repainting and Refinishing

To touch up the assemblages, remove paint rust and corrosion from metal surfaces by lightly sanding surfaces with fine sandpaper. Brush two coats of paint (one primer and one final) on bare metal to protect it from further corrosion.

4-4. Lubrication requirements for the AN/MYK-8(V)(*) assemblage are those described in the pertinent lubrication orders listed in appendix A of this manual

Section III. PREVENTIVE MAINTENANCE CHECKS AND SERVICES

4-5. General

To ensure that the assemblages of the AN/MYK-8(V) (*) are always ready for operation, they must be inspected systematically to discover and correct defects before they result in serious dam-age or failure. The necessary preventive maintenance checks and services are listed and prescribed in table 4-1. The item numbers indicate the sequence of minimum inspection requirements. Defects discovered during operation of the assemblage Mill be noted for future correction as soon as operation has ceased. Stop operation immediately if a deficiency is noted during operation that would damage the equipment. Record all deficiencies and report to the IBM field engineering staff for corrective action.

4-6. Instructions for the Performance of Preventive Maintenance Checks and Services

The items listed in table 4-1 should be inspected on a weekly basis.

NOTE

The preventive maintenance schedule for the ADP equipment is arranged between the using organization and the concerned IBM field engineering staff. The schedule is tailored to meet system requirements as determined by system history, usage, and peak loads.

Table 4-1. Organizational Preventive Maintenance Checks and Services Weekly Schedule

Item No.	Item to be inspected	Procedures	Equipment will be reported not ready (red) if:
1	EXTERNAL finish of assemblage	Paint blistered, pitted and flaking areas and bare metal spots.	
2	Grounding system	Remove corrosion from ground rods and ground terminals. Tighten connections.	
3	Entrance door.....	*a.* Clean and touchup as necessary. *b.* Tighten loose screws and bolts. c. Lubricate door locks and latches with Grease, Graphite, Aircraft (GGA); lubricate hinges with Lubricating oil, General Purpose Preservative (PL Special) or Lubricating oil, Engine (OE-30). *d.* Inspect gaskets and cement loose gaskets into place.	
4	Signal and power entrance panel	*a.* Lubricate cover hinges with PL-Special or OE-10. *b.* Touch up paint.	
5	Power and signal cables	Inspect power and signal cable assemblies for damage or loose connectors. Repair or replace as required.	
6	Signal, power and lighting system ducts and cables in interior of shelter	*a.* Tighten loose screws and clips. *b.* Inspect cables for damage or loose connections. Repair or replace as required.	
7	Shelter lighting circuits	Tighten loose connections or mounting screws. Replace or repair damaged fittings or switches as required.	
8	Equipment mountings	*a.* Tighten loose mountings bolts, nuts, and screws. Replace any missing fasteners. *b.* Inspect all mounting hardware for damage and repair or replace as required.	
9	Portable generator set (if used)	Perform required preventive maintenance checks in accordance with applicable TM.	
10	Air conditioner/heaters	Perform required preventive maintenance checks in accordance with applicable TM.	
11	LS-147/F1	Perform required preventive maintenance check and services (See TM 11-5830-221-12).	
12	Clock	Check to see that clock is operating properly.	

Section IV. TROUBLESHOOTING AND MAINTENANCE OF AN/MYK-8(V)(*)

4-7. Troubleshooting Procedures

Organizational level troubleshooting is based on symptoms that may occur during operation or during the post-installation operational check. Refer to the applicable manuals listed in appendix A for troubleshooting procedures.

4-8. Maintenance of AN/MYK-8(V)(*)

Organizational maintenance of the AN/MYK-8 (V) (*) is restricted to those actions specified by the maintenance allocation chart (appx D). Refer to the applicable manual listed in appendix A for specific maintenance procedures.

Section V. MAINTENANCE OF HYDRAULIC POWER UNIT

4-9. General

The hydraulic power unit (not installed in OL-88 (V)3,/MYK-8(V)) generally consists of a hy-draulic pump or pumps, electric motor, relief valve, suction strainer or filter, and a reservoir for supply of oil. The power unit shown in figure 4-1 typifies one of a series of power units. While there are variations from this basic unit, this does show some of the fundamental features of a good power unit.

4-10. Oil Change

Even if high-grade oil was installed at start-up, oil does become contaminated in time. Watch for discoloration, foaming, or change in viscosity.

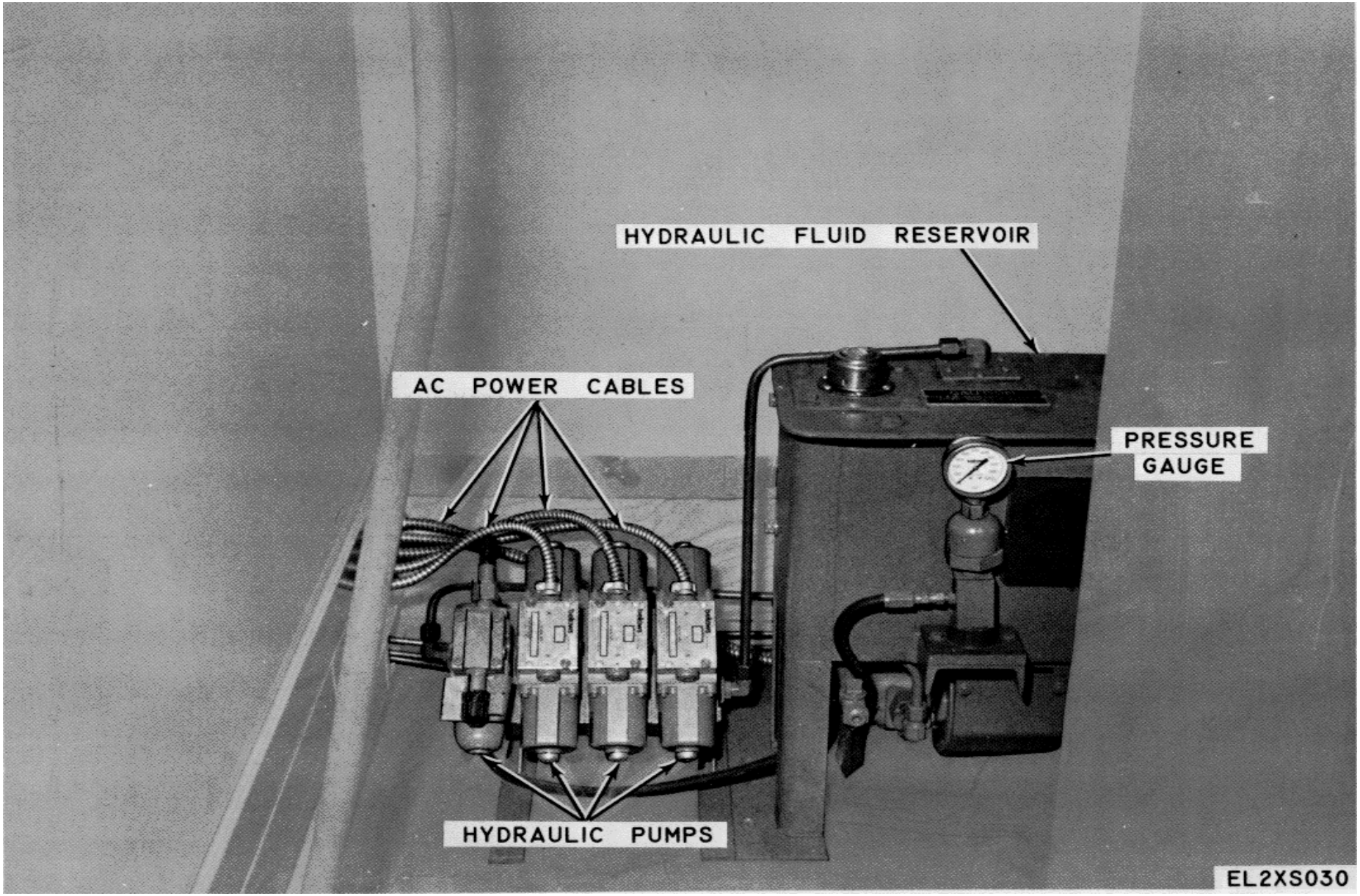


Figure 4-1. Typical Hydraulic Power Unit.

Ambient conditions such as heat or foreign materials will contribute to problems. Dust and chemicals can be drawn into system vents. If synthetic fluids are used, keep familiar with and follow the maintenance procedures recommended by the manufacturer of the fluid.

4-11. Replacement of Filters

a. After start-up of a new system, or after any extensive circuit alterations, filter and strainers need very special attention. Chips from pipe threads, metal particles, and other foreign materials are introduced during hookup or system alterations. Clean or replace filter elements after the first hour of operation, after the first shift, and after the first full week.

b. On many circuits, return-line filters or pres-sure filters are provided. If return-line filters are not provided, reservoir clean-out at the end of the first full shift and at other periods of general maintenance is recommended.

4-12. Relief Valve Malfunction

The relief valve is the greatest source of pump and system protection. Likewise, the relief valve is usually the first item to give warning of other problems. This valve is designed to fail open or "fail-safe". Relief valve malfunction is most often due to contaminants in the fluid. This is a good time to clean up the system; flush out, change filters, and open and clean any valve passages if necessary. Noisy relief valves often point to air in the fluid or some degree of solid or gummy con-tamination.

4-13. Pump Malfunction

Pump noise is a definite sign of trouble. Check shaft alignment and condition of the coupler first. Cavitation is another cause of pump noise. Check for a restricted suction line, undersized pipes if altered, or dirty filter or strainer. Look for a suction line leak; air getting into the suction line through the plumbing or low oil supply will cause pump noise as well as erratic and noisy valves. Finally, a worn pump will become noisy. Usually this pump will also feel hotter than the surface of the reservoir. System pressures will drop and cycle rates will become slower. If pump is re-placed, be sure to change filters and check out the entire system during downtime. Also, check cleanliness of oil at this time.

4-14. Overheating

a. The amount of heat developed by hydraulic power units depends upon the use, duty cycle, proper adjustment, age, etc. Hydraulic power units usually throw off any excess heat through the surfaces of the plumbing and reservoir. Certain types of circuits, duty cycles, or ambient conditions will definitely dictate the use of a heat exchanger. Hydraulic power units should operate in the range of 140° max., 160° absolute max.

b. If the power unit operates too hot, be sure that a high-grade oil in the viscosity range of 100-300 SSU is being used and that the oil level is up in the reservoir. Check for any partially open bypass valves. Check for worn directional valves or leading cylinders. Internal-system leaks at high pressure are the greatest source of heat.

4-15. Accumulator Circuits

a. Some power units are built with accumulators mounted on the assembly. Accumulators are used in circuits that have short demands for high volume and then longer periods of little or no volume. They are also used when the required volume varies substantially throughout a sequence of operations.

b. If the accumulator malfunction seems evident as indicated by loss of sequence timing or too frequent unloading, the loss of gas charge seems likely. Gas (nitrogen) charged accumulators are precharged to a certain pressure while the power unit is shut down. Any excess fluid stored in the accumulator during operation is available when required within a cycle or for long holding periods. The precharge gas pressure should be checked periodically and should be kept at or near the pressure specified in the design or found to be most satisfactory.

4-16. Resetting System Pressure

If the system is a typical HI-LO, the unloading valve and system pressure may have been set at the factory. If the system needs resetting, use the following procedures:

a. Turn the adjusting knob of the unloading valve fully counterclockwise.

b. Turn the adjusting knob of the relief valve fully counterclockwise.

c. Start the system and turn the adjusting knob of the relief valve clockwise until the unloading pressure is reached on the high-pressure side.

d. Turn the adjusting knob of the unloading valve clockwise until the unloading pressure is reached on the low-pressure side.

e. Adjust the relief valve by turning clockwise until the desired system pressure is reached.

NOTE

The unloading pressure can be increased or decreased at any time without disturbing the main system relief.

CHAPTER 5

FUNCTIONING OF THE EQUIPMENT

5-1. Hydraulic Console, Controls and Indicators

Control or Indicator	Function
START PUMP MOTOR switch	Starts pump motor to develop fluid pressure for movement of the equipment rack.
STOP PUMP MOTOR switch	Stops the pump motor.
IN pushbutton	Moves equipment rack against the van wall.
OUT pushbutton	Moves equipment rack to the center of the van.
OIL PRESS gauge	Indicates the pressure in the hydraulic system.
OIL LEVEL gauge	Indicates the amount of fluid in the hydraulic system tank.

5-2. Hydraulic System Theory of Operation

The three phase power from circuit breaker CB7 of the black power distribution panel is applied to the magnetic starter. Depressing the console START switch applies 208 volts to the starter relay coil, causing its contacts to close and apply-ing the three phase power to the hydraulic pump motor. In addition, phase A (L1) power is ap-plied to the IN and OUT switches through the STOP switch. Depressing the OUT or IN switches operates their associated control valves, allowing the output pressure to move the No. 4 equipment rack. If the current through the heater in phase C (L3) is excessive, the heater operates the overload switch, opening the circuit to the relay coil. To operate the system again, the RESET switch must be operated before depressing the START switch. Depressing the STOP switch opens the circuit from the L1 line to the relay coil, allowing the relay contacts to open.

5-3. Hydraulic System, Fluid Flow

a. When power is applied to the motor pump, pressure is built-up in the tank. Operation of the OUT switch operates the control valve to allow the fluid from the tank to flow from the B side of the valve. The fluid is forced through a flow divider and into the rear section of the hydraulic cylinder. The fluid pressure forces the equipment rack to move away from the van wall. This forces the fluid in the front section of the cylinder to return through the second flow divider and the control valve to the tank.

b. When the IN switch is operated, the fluid flow is in the A direction and the return is from the B section of the cylinders.

5-4. Major Components

Refer to the applicable technical manuals in appendix A for an explanation of the functioning of the other major components comprising the AN/MYK-8 (V) (*).

CHAPTER 6
DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE INSTRUCTIONS

Section I. GENERAL

6-1. Scope

Direct support maintenance consists entirely of corrective maintenance procedures indicated in the maintenance allocation chart (appx D).

6-2. Voltage and Resistance Measurements

WARNING

Be extremely careful when making measurements across the primary power distribution system. The voltage that is present when power is applied could, upon contact, cause serious injury or death.

through FO-5) to deter-mine the appropriate test points for making con-tinuity measurements.

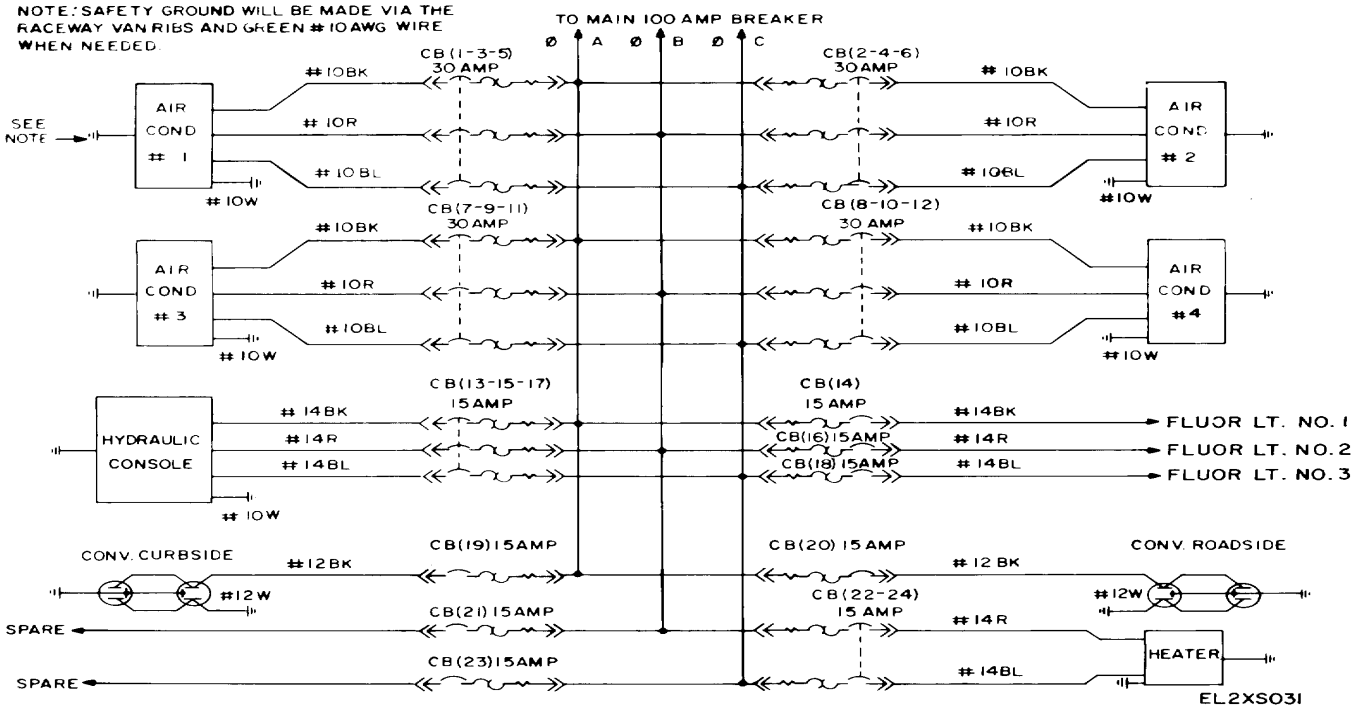


Figure 6-1. Data Analysis Central OL-88(V)1/MYK-8(V) Service Load Schematic Diagram.

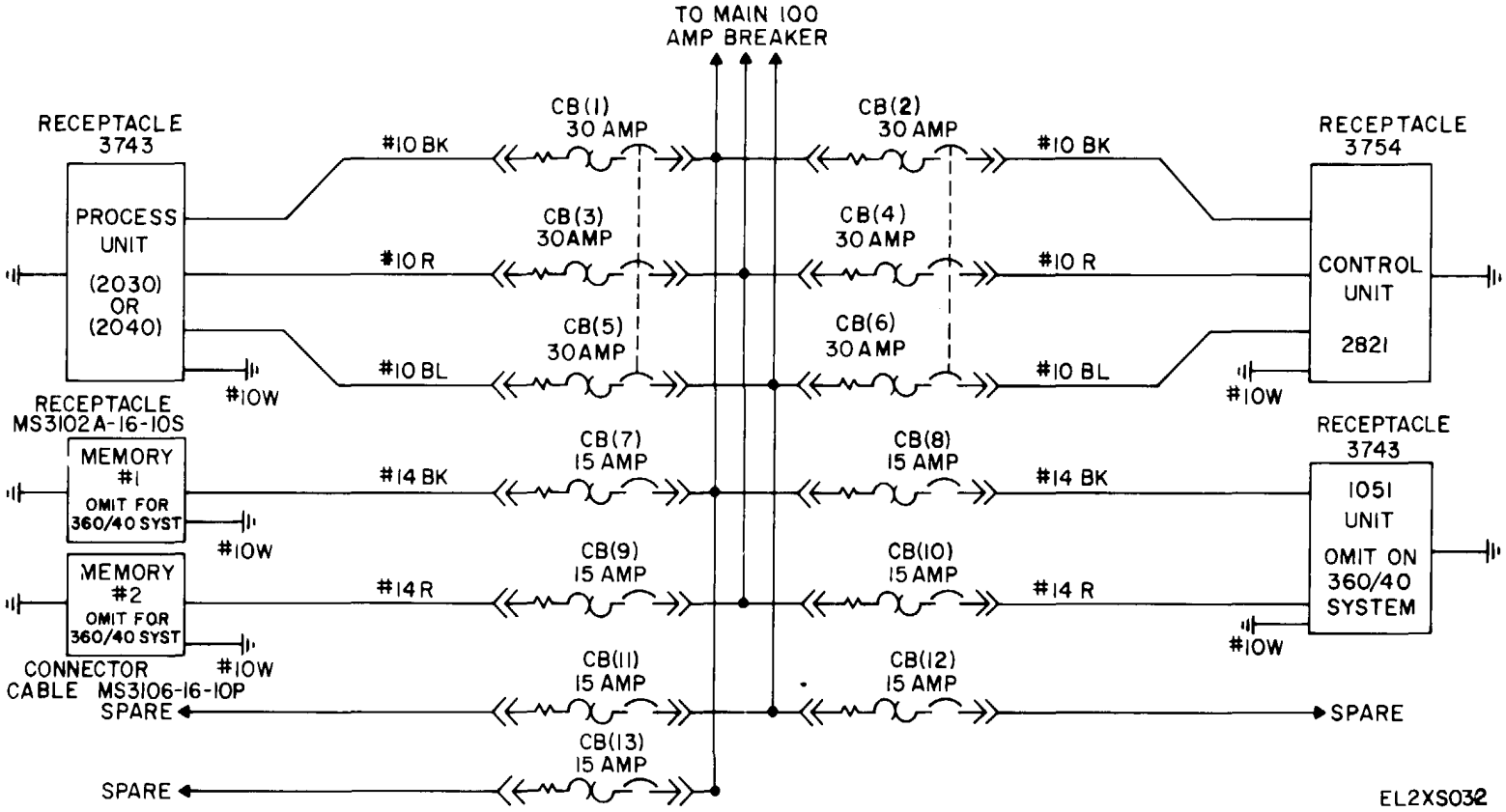


Figure 6-2. Data Analysis Central OL-88(V')1/MYK-8(1') ADPE Power Distribution Schematic Diagram.

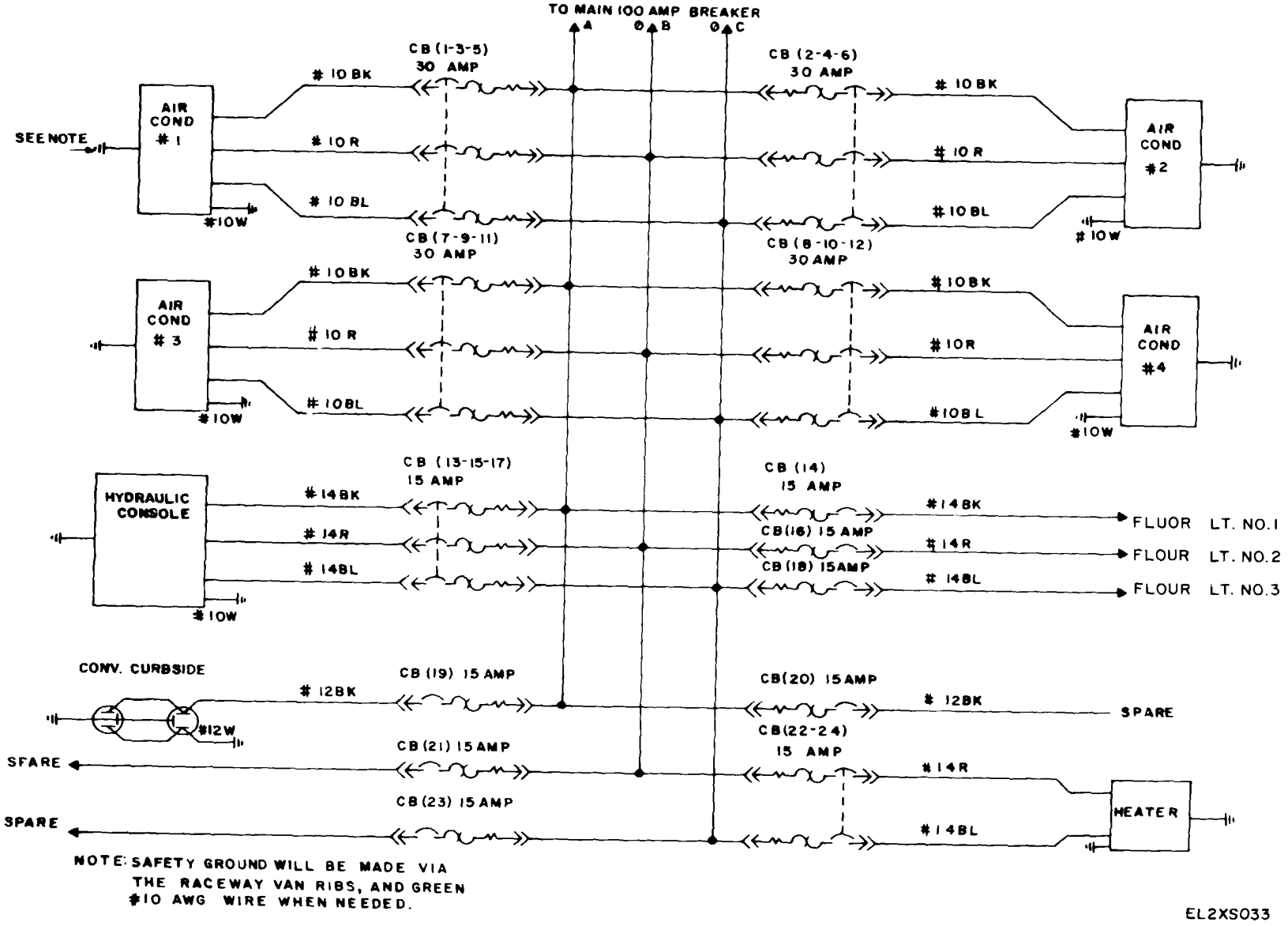


Figure 6-3. Data Storage Group OL-89(V)1/MI'K-8(V) Service Load Schematic Diagram.

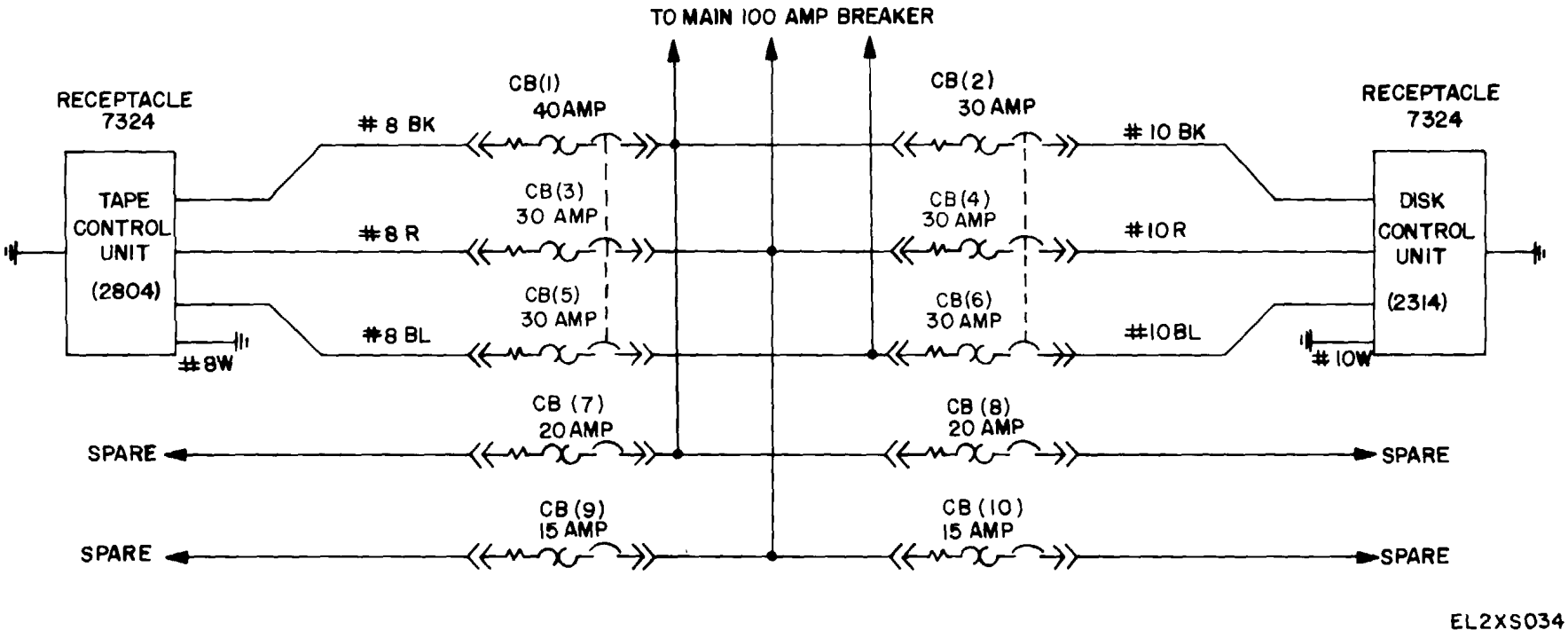


Figure 6-4. Data Storage Group OL-89(V)I/MYK-8(1') ADPE Power Distribution Schematic Diagram.

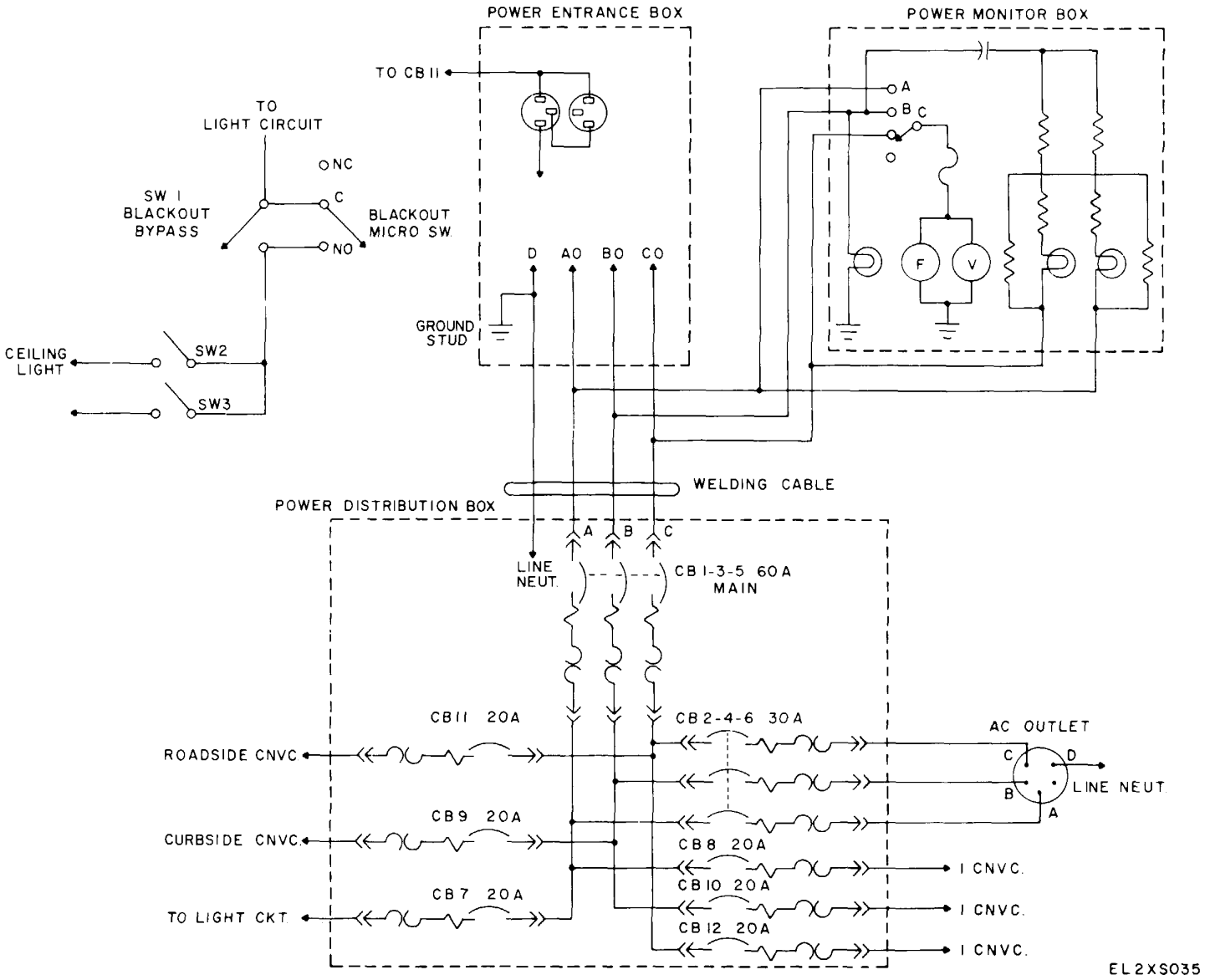


Figure 6-5. Date Support Facility, Mobile V-460/MYK-8(V) Power Distribution Schematic Wiring Diagram.

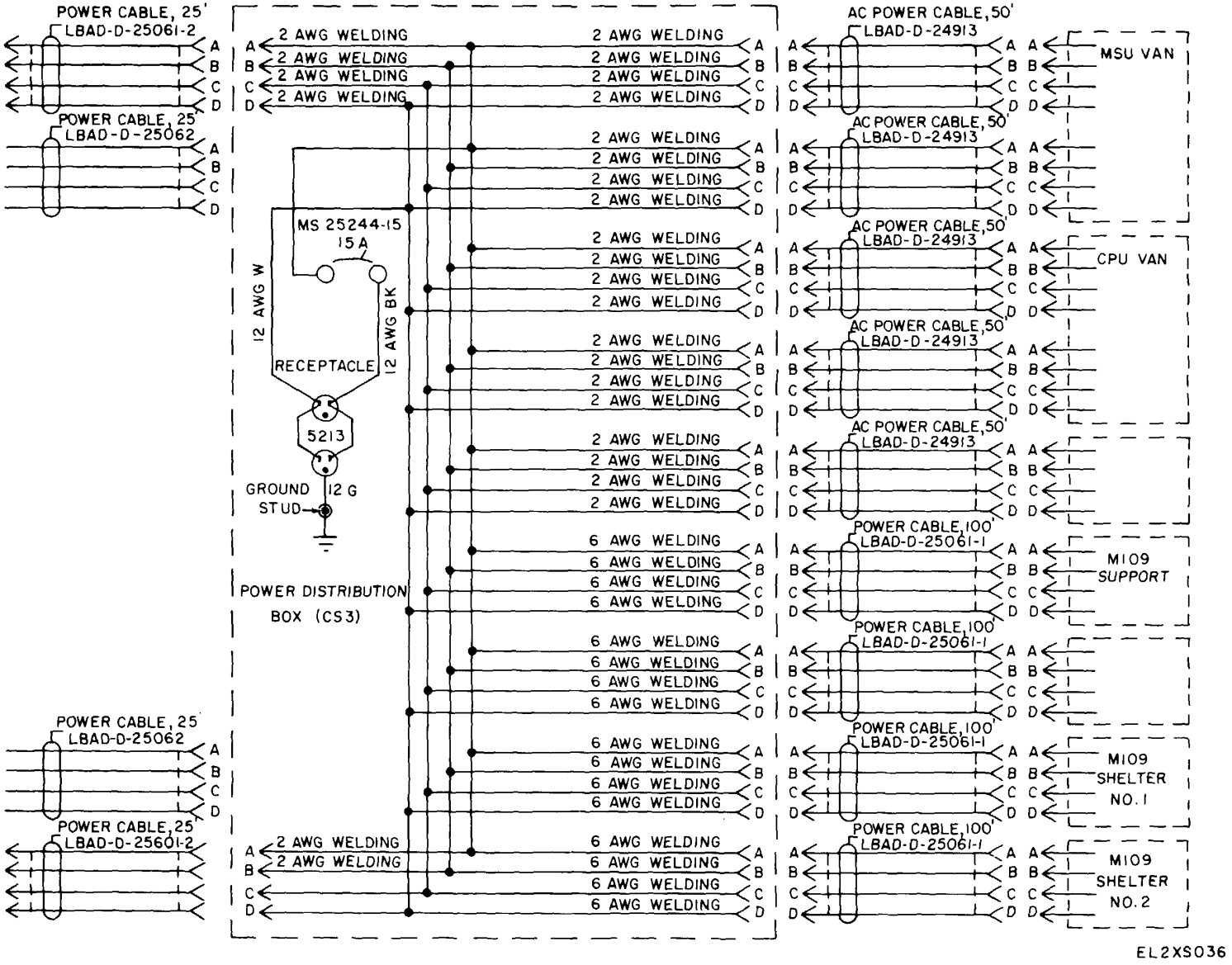


Figure 6-6. Power Distribution Box, ANt/MYK-8(V)1, Schematic Wiring Diagram.

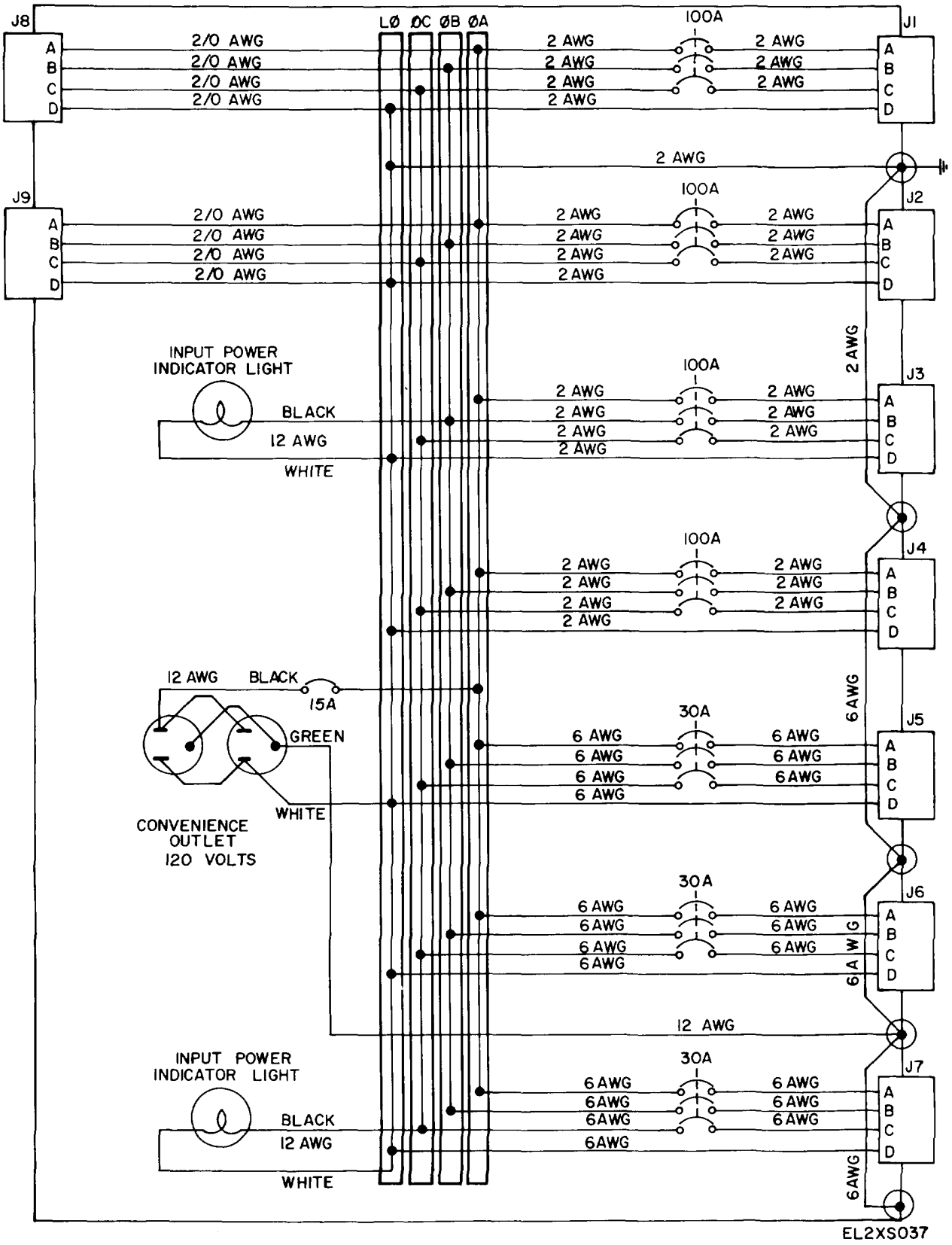


Figure 6-7. Power Distribution Box, AN/MYK-8(V)S, Schematic Wiring Diagram.

Section II. TOOLS AND EQUIPMENT

6-3. Common Tools and Equipment

Tools and test equipment authorized for use by direct support maintenance personnel are listed in appendix D, section III of the maintenance allocation chart.

6-4. Special Tools and Equipment

No special tools or equipment are required for direct support maintenance.

6-5. Troubleshooting

Refer to the applicable manuals listed in appendix A for detailed troubleshooting procedures.

Section III. MAINTENANCE OF AN/MYK-8(V)(*)

6-6. Pump Seal Replacement

CAUTION

Be sure that all electrical power to hydraulic unit is turned off.

a. Console Removal.

(1) Remove the chrome nuts from the START and STOP, IN and OUT buttons located on top of the console covering the hydraulic power units. When the nuts have been removed, push the buttons through their mounting holes and let them swing freely inside the console. Do not remove any wires that are attached to the buttons.

(2) Open the doors located on each side of the console and remove the screws securing the console to the floor and wall.

(3) Remove the console by pulling it toward the center of the van.

b. Draining Hydraulic Fluid

(1) Place a container under the drain, located on the bottom left side of the storage tank, and remove the plug from the end of the drain pipe.

(2) Turn the drain cock until the fluid runs freely and the storage tank is completely drained. (The tank should contain a minimum of seven gallons of fluid)

c. Pump Removal. (Located on left, under storage tank.)

(1) Remove the inspection plate that covers the coupling between the motor and the pump.

(2) Disconnect the two I : inch hydraulic lines connected to the pump.

(3) Remove the two %l/ inch bolts that secure the pump to the motor housing.

(4) Pull the pump free from its mounted position.

d. Seal Removal.

(1) Loosen the allen headset screw securing the coupling to the pump shaft. Remove the coupling.

(2) Remove the five allen head bolts from the part of the pump housing which contains the shaft end. Pull the housing apart.

(3) Remove the lock ring which holds the seal in place.

(4) Remove the seal by placing a small punch against the opposite side of the seal from where the lockring ,was located and tap lightly with a small hammer at several places until the seal has been driven free of the housing.

e. New Seal Installation.

(1) Place the housing on a flat surface ,with the lockring side of the housing turned up. Turn the cupped side of the seal down.

(2) Press the seal down into the housing.

CAUTION

Leakage will result if the seal is pressed into the housing beyond the point -where the lockring locks into position.

(3) Place the lockring into position.

(4) Replace all O-ring gaskets in the pump.

(5) Reassemble the equipment l)y reversing the disassembly procedures.

6-7. Hydraulic Cylinder Seal Replacement

a. Cylinder Removal.

(1) Run the equipment rack to the OUT position.

(2) Remove the cotter pin from one end of the clevis pin located at the rear of the equipment rack.

(3) Remove the clevis pin.

(4) Run the cylinder shaft back to the IN position.

(5) Open the bypass valve to its maximum position.

(6) In order to relieve the line and cylinder of all pressure, press the IN button for approximately 1 minute with the pump running and repeat the procedure with the OUT button.

(7) Remove the cylinder cover.

(8) Place a cloth under the hydraulic lines. Loosen the lines and bend them up slightly to prevent the fluid from running out.

(9) Remove the eight bolts that secure the cylinder bracket to the floor.

(10) The cylinder and bracket cannot be removed from the van.

b. Seal Removal.

(1) Set cylinder on its end, with clevis pointed upward.

(2) Remove clevis by turning counterclockwise.

(3) Remove three allen head screws from the cylinder seal housing.

(4) Pull the seal housing upward and away from the cylinder and shaft.

(5) Remove the lockring from inside the housing.

(6) Remove the seals with needle nose pliers.

CAUTION

Note the precise position of the seals prior to removal so that new seals are identically placed.

(7) Replace the seals by reversing the above procedure. Refer to the applicable technical manuals listed in appendix A for direct support maintenance instructions covering other equipment comprising the AN/MYK-8 (V) (*).

APPENDIX A

REFERENCES

Section I. MILITARY PUBLICATIONS

DA PAM 310-4	Index of Technical Publications: Technical Manuals, Technical Bulletins, Supply Manuals (Types 7, 8, and 9), Supply Bulletins, and Lubrication Orders.
LO 9-2320-209-12	Truck, 21,,,-Ton, 6x6: Cargo, M34, M35, M35A1, M35A2. M35A2C, M36, M36A2, M36C; Chassis, M44, IM44A1, M44A2, M45. M45A1, M45A2, M45A2G, M45C, M45G, M46, M46A1, M46A1C, M46A2C, M46C, M57, M58; Dump, M47, M59, M342, M342A2; Telephone Construction and Maintenance, V17A/MTQ; Earth Boring and Pole Setting, V18A /MTQ, M764; Repair Shop, M185, M185A1. M185A2, M195A3: Tank, Fuel, M49, M49A1C, M49A2C, M49C; Tank, Water, M50, M50A1, M50A2, Tractor, M48, M275, M275A1, M275A2; Van, Shop, M109, M109A1., M109A2, M109A3; Van, Expansible, M292, M292A1, M292A2, M282A5; Van, Electronic M567, Wrecker, M60, M108; Pipeline Construction, M756A2.
LO 9-2320-260-12	Truck Chassis: 5-Ton, 6x6, M809, M809A1, M810, M811, M811A1, M811A2, and Rocket Launcher Chassis, M812A1; Truck, Cargo: 5-Ton, 6x6, M813; Dropside, M813A1, M814; Truck, Bolster, Logging. M815; Truck, Wrecker, Medium, M816; Truck, Dump: M817; Truck, Tractor: M818; Truck, Tractor, Wrecker: M819; Truck, Van. Expansible: M820, M820A1, M820A2; Truck, Stake, Bridge Transporting: M821.
TM 5-4120-243-14	Operator's, Organizational, Direct Support and General Support Maintenance Manual for Air Conditioner, Horizontal Compact: 18,000 BTUJ, 208 V, 3 Phase, 50/60 Hz (Trane Model MAC6H18-208-1201-02); (Harvey W. Hottel Model CH20-6-08); (American Air Filter Model CH618-2) (NSN 4120-00-411-3730); 208 V, 3 Phase, 400 Hz (Trane Model MAC4H18-208-1201-03); (Harvey NV. Hottel Model CH20-4-08); (Keco Model F18H-4) (4120-00-411-3731); 230 V, 1 Phase, 50/60 Hz (Trane Model MAC6H18-230-1201-01) and (Keco Model F18H) (4120-00-411-3729).
TM 5-4120-243-24P	Organizational, Direct Support, and General Support Maintenance Repair Parts and Special Tools List for Air Conditioner, Horizontal Compact; 18,000 BTU (Trane Models) 208 V, 3 Phase, 50/60 Hz (Model MAC6H18-208-1201-02) (NSN 4120-00-411-3730); 208 V, 3 Phase, 400 Hz (Model MAC4H18-108-1201-03) (4120-00-411-3731); 208 V, I Phase, 50/60 Hz (Model MAC6H18-230-1201-01) (4120-00-411-3729); (Harvey W. Hottel Models), 208 V, 3 Phase, 50/60 Hz (Model CH20-6-08) (4120-00-411-3730); 208 V, 3 Phase, 400 Hz (Model CH20-4-08) Phase, 50/60 Hz (4120-00-411-3730) and (Keco Model F18H-4) 208 V, 3 Phase, 400 Hz (4120-00-411-3731).
TM 5-4120-308-15	Operator, Organizational, Direct Support, General Support, and Depot Maintenance Manual: Air Conditioner, Compact Vertical, 208 V, 3 Phase, 50/60 Hz, 18,000 BTU/HR Cooling; 12,000 BTU/HR Heating (American Air Filter Model CH-620-2) and (Keco Industries, Inc., Model F18T-2) (NSN 4120-00-168-1781).
TM 5-4120-308-25P	Organizational, Direct and General Support and Depot Maintenance Repair Parts and Special Tools List for Air Conditioner, Compact Vertical, 208 V, 3 Phase, 50/60 Hz; 18,000 BTU Cooling; 12,000 BTU Heating (Keco Industries Inc., Model F18T-2) (NSN 4120-00-168-1781).

TM 5-6115-365-15	Operator's Organizational, Direct Support, General Sup)port and Depot ,Maintenance Manual (Including Repair Parts and Special Tools List); Generator Sets, Gasoline and Diesel Engine Driven, Trailer Mounted, PU-236/G, PUT-236A,/G (NSN 6115-00-.393-1709)), PUT-23(B /C (6115-00-738-6334) PU-253A/T., PTU-253,/U (6115-00-(697-2402), Prl-301C I MIPQ-4 (6115-00-056-8421) PI'-332 'G (6115-00-577-8171), PT-332 A/G (6115-00-738-8336) , PT-375A ,'G, Pt-.375) 'G (6115-00-753-2231), PU-375B'G (6115-00-931-6789), PU-401 l (611;5-00-823-2217), PU-402/MI (6115-00-722-3760), PU--106 '43 (6;115-00-738-6312), PT-- 409,/M (6115-00-702-3343). PU-4109A AI (6115-00-733-63.,8). PIT- 495/G (6115-00-823-2218), PU-551/G (6115-00-889-1307), PI--56-1 A/G (6115-00-728-6341), PU-56-1B 'G (6115-00-179-2789). Pr'- 617/M (6115-00-738-6335), PRU-618 'l (6115-00-738-6337), PIT-619,II (6115-00-738-6339), P1U-620/Mal (6115-00-738-6340), PIT-625,,'G (6115-00-837-3915), PU-628/G (6115-00-087-0873), PIT-629 "G (6115-00-937-5555), PU-631/G (6115-00-059-5172), PIU-656 /G (6115-00-939-3296); and PU-650B 'G (6115-00-258-1622).
TM 9-2320-209-10	Operator's Manual for Truck, 21,4,-Ton. 6x6, Gasoline Engine Models M185, M185AI, M34, M35r, M36, M36C, 147, M59, M342, VS18A/MTQ, V17A/MTQ, MI49, M49C, MSO, 5148, I275, I567, 292, Mo109, M109AI, L108, M60; Mi\fs18 Multifuel Engine Models: Truck, Van, Expansible: M292A1, M292A2. A1292A5 (Body Only).
TM 9-2'320-209-10-1	Operation, Installation and Reference Data Operator Level for 21 '-Ton, 6x6, M-14A1 and AI44A2 Series Trucks (Multifuel): Cargo: M35A1 W/O 'Winch (NSN 2320-00-542-5633) W/WN (2320-00-n5-.2-563.I), M35 A2 W/O Winch (2320-00-077-1616) NN'/(2,320-00-077-1617), 4I35 A2C W'/O Winch (2320-00-926-0873) _W (2320-00-926-087.5), M36 A2 W'/O Winch (2320-00-077-1618) W ',\ (2320-00-077-1619); Tank, Fuel: M49A1C W/'O 'inch (2320-00-440-3349) N W/W (2320-00-440-3346), AI49A2C /VO 'inch (2320-00-077-1631), ,W (2320-00-077 1632); Tank, Water; M.50 W' O 'winch (2320-00-440-8307) W /' (2320-00-440-8305). M50A2 -W/O Winch (2320-00-077-1633) /WN (2320-00-077-1634), 3150A3 W 'O Winch (2320-00-937-41036) "W 'W (2320-00-937-5264): Van, Shop): MI109A2 W_0 'inch (2320-00--140-8313) W/W (2320-00-440-8308), 41109A3 W' 'O 'Winch (2320-00-077-1636) NW'/NW (2320-00-077-1637): Rep)air Shop); M185A2 W',/!O Winch (4940-00-987-8799) NNW/WN (4940-00-987-8800), A185A3 (NW-/O Winch (4940-00-077-1638) W/W (419-10-00-077-16i39); Tractor: 4I275AI W/O Winch (2320-00-4416-2179), '.)257A42' WO Winch (2320-00-077-1640) W/W (2320-00-077-1641); Dump; 4I312A2 W "0 Winch (2320-00-077-1643) WTW/(2320-00-077-1644); Maintenance. Pipeline Construction; MA756A2 W_W (2320-00-9041-3277) and Maintenance, Earth Boring and Polesetting: M7641 W (2320-00-937-.5980) (TO .36AI2-1B-1091-3).
TM 9-2320-209-20	Organizational Maintenance Manual for Truck, 21.'-Ton 6x6, , gasoline Engine Models: M185, MI185A1, M.34. 135. M136, 4M36C, M,17, 4M59. M342, N'18A/MTQ, V17A/MTQ, A149, M149C, A50., M48, M275, M,567, M292, 41109, M109A1, M108, M60; Multifuel Engine Models: Truck, Van, Expansible: M'292A1, 4292A2, M'292A5 (Body Only).
TMI 9-2320-209-20P	Organizational Maintenance Repair Parts and Special Tools List for 21,,-Ton, 6x6 Truck; Instrument Repair Shop,. Truck Mounted: Ar185, M185AI, MI185A2. M185A3; Cargo: M34, M35, M35A1, M35A2, M35A2C, M36, M36A2, M36C; Dump: M47, 4I59, M342A2; Maintenance, Earth Boring Machine and Pole Setter: V18A 'MTQ, M764; Maintenance: Telephone Construction and Maintenance: V17A/MTQ;

Pipeline Construction: M756, M756A2; Tank, Fuel Servicing; 1,200 Gal: M49, M49A1C, M49A2C, M49C; Tank, Water, 1,000 Gal: M50, M50A1, M50A2, M50A3; Tractor: M48, M275, M275A1, M275A2; Van, Expansible: M292, M292A1, M292A2, M292A5; Van, Shop; M109, M109A1. M109A2, M109A3; Wrecker, Crane: M108 and Wrecker, Light M60.

TM 9-2320-209-34P — Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for 2,/-Ton, 6x6 Truck: Instrument Repair Shop, Truck MTD: M185, M185A1, M185A2, M185A3; Cargo: M34. M35, M35A1, M35A2. M35A2C, M36, M36A2, M36C; Dump: M47, M59, M342A2; Maintenance, Earth Boring Machine and Pole Setter: V18A/MTQ, M764; Maintenance, Telephone Construction and Maintenance, V17A 'MTQ; Pipeline Construction: M756, M756A2; Tank, Fuel Servicing, 1,200-Gal: M49, M49A1C, M49A2C, M49C; Tank, Water, 1,000 Gal: M50, M-50A1, M50A2, M50A3; Tractor: M48, M275, M275A1, M275A2; Van, Expansible: M292, M292A1, M292A2, M292A5; Van, Shop: M109, MlO9A1, M109A2, M109A3; Wrecker, Crane: M108 and Wrecker, light: M100.

TM 9-2320-209-35 — Direct Support, General Support, and Depot Maintenance: Cab, Chassis and Body Components for 21,.2-Ton, fix6fi: Chassis, Truck: M44, M44A1, M44A2, M45, M45A1, M45A2, M45A2G, M45C, M45G, M46, M46A1, M46A1C, M46A2C, M46C, M57, M58, Instrument Repair Shop, Truck Mounted: M185, M185A1, M185A2, M185A3; Truck, Cargo: M34, M35, M35A1, M35A2, M35A2C, M36, M36A2, M36C; Truck, Dump: M47, M59, M342, M342A2; Truck, Maintenance, Earth Boring Machine and Pole Setter: V18A/MTQ, M764; Truck, Maintenance, Telephone Construction and Maintenance: V17A/MTQ; Truck, Pipeline Construction: M756A2; Truck, Tank. Fuel Servicing: 1,200 Gal., 1M49, M49A1C, M49A2C, M490; Truck, Tank, Water; 1,000 Gal. M.50, M50A1, M50A2; Truck, Tractor: M48, M275, M275A1, M275A2; Truck, Van, Electronic: M567; Truck, Van, Expansible: M292, M292A1, M292A2, M'292A5; Truck, Van, Shop: M109, M109A1, M109A2, MI109A3; Truck, Wrecker, Crane: M108; Truck, Wrecker, Light: M60.

TM 9-2320-260-10-1, -10-2, -10-3, -10-4 — Operation, Installation and Reference Data Operation Level for 5-Ton, 6x6, M809 Series Trucks (Diesel) Chassis, M809 WN/O Winch (NSN 2320-00-050-8842) W/Winch (2320-00-050-8841), M809A1 NW/Winch (2320-00-050-8941), M810 W/O Winch (2320-00-051-0586), WN'/W (2320-00-151-0585), M811 WO Winch (2320-00-050-8986), W/'inch (2320-00-050-8985), M811A1 NW/Winch (2320-00-050-8989), M811A2 W/O Winch (2320-00-050-9005), M812 W/Winch (2320-00-050-9011); Chassis, Rocket Launcher, M812A1 WN'/Winch (2320-00-050-9040); Truck, Cargo; M813 W/O Winch (2320-00-050-8902), W/Winch(2320-00-050-8890), M813A1 /O Winch (2320-00-050-8913), W/Winch (2320-00-050-8905), M814 W/O Winch (2320-00-050-81488),W/(2320-00-050-8987); Truck, Bolster, Logging: M815 W!,/Winch (2320-00-050-8927); Truck, Wrecker, Medium: M816 W/W (2320-00-051-0489); Truck, Dump: M817 W',O Winch (2320-00-050-8970), W/Winch (2320-00-051-0589); Truck, Tractor: M818 W/O Winch (2320-00-050-8984), W/Winch (2320-00-050-8978); Truck, Tracker, Wrecker: M819 W/Winch (2320-00-050-9004); Truck, Van, Expansible: M820 VW/O Winch (2320-00-050-9006), M820A1 NW '(0 Winch (2320-00-050-9007), AW/O Winch (2320-00-050-9010); Truck, Stake, Bridge Transporting: M821 W/O Winch (2320-00-050-9015).

TM 9-2320-260-20-2-1, -20-2-2 — Organizational Troubleshooting 5-Ton, 6x6, M809 Series Trucks (Diesel): Chassis: M809 W/O Winch (NSN 2320-00-050-8842) W/(2320-00-

050-8841), M809A1 W/W (2320-00-050-8941), M810 NW/O (2320-00-051-0586) W/W (2320-00-051-0585), M811 W','0O Winch (2320-00-050-8986) NW'/W (2320-00-050-8985), 1811A1 'W/ (2320-00-050-8989), M811A2 W'/O Winch (2320-00-050-9005), MI812 W\'W' (2320-00-050-0911), M812A1 W/W (2320-00-050-90-0); Cargo: M1813 W'/O Winch (2320-00-050-8902) ,' (2320-00-050-8890), M813A1 W/O NW1inch (2320-00-050-8913) W'/\fs18 W' (2320-00-050-8905), AM814 NW/O Winch (2320-00-050-8488), W/W (2320-00-051-0589); Bolster, Logging: M815 W'/WN' (2320-00-050-8927), M1816 ,'' (2320-00-051-0489), M817 N'W//O W(2320-00-050-8970) W,W_2320-00-051-0589), M818 IW/O Winch (2320-00-050-8981) 'WN' (2320-00-050-8978); Tractor, Wrecker: M819 W/WA' (2320-00-050-900-1), M820 W: 0Winch (2320-00-050-9006), M1820At1 ','/O Winch (2320-00-050-9007),M820A2 N'/O Winch (2320-00-050-9010) and Stake. Bridge Transporting M821 W'O Winch (2320-00-050-9015).

TM 9-2320-260-20-3-1, -20-3-2, -20-3-3, -20-3-4

Maintenance Organizational Level 5-Ton, 6x6, M809 Series Truck (Diesel): Chassis: M809 WIN/O Winch (2320-00-050-88.12) WiW',' (2320-00-050-8841), M809A1 'W/WN' (2320-00-050-8941), M810 'W/O Winch (2320-00-051-0586)/W (2320-00-051-0585), MS811 NWN/O Winch (2320-00-050-8986) NW'/NWN (2320-00-050-8985), AM811A1 W'/W (2320-00-050-8989), M811A2 N'W/'O Winch (2320-00-050-9005), M812 W/W (2320-00-050-9011), I812A1 W'/ (2320-00-050-9040); Cargo: M813 NW'/O Winch (2320-00-050-8902) N'W/W (2320-00-050-8890), IM813A1 WN'/O Winch (2320-00-050-8913) W/WV' (2320-00-050-8905), M8141 W'/O Winch (2320-00-050-8488) NW/W(2320-00-050-8987); Bolster, Logging; M815 NW'/NWN (2320-00-050-8927), AM816 NW',/O Winch (2320-00-051-0489), M817 W_ Winch (2320-00-050-8970) WN/WUN (2320-00-051-0589), M818 WN',,O Winch (2320-00-050-8984) W'/(2320-00-050-8978); Tractor, 'Wrecker: M819 W/'W (2320-00-050-900.1), M820 'W/O Winch (2320-00-050-9006), M820A1 WN'!,O Winch (2320-00-050-9007), M820A2 W/O Winch (2320-00-050-9010) and Stake, Bridge Transporting: M821 /_2320-00-0.50-9015).

TM 9-2320-260-20P

Organizational Maintenance Repair Parts and special Tools List: Truck, Chassis: 5-Ton, 6x6, M809, M809A1, M810, M811.811, M811A1, M811A2, M812, M812A1, M813 and M814; Truck. Cargo, Drop)side: M813A1; Truck, Bolster: M815; Truck, Wrecker: M816; Truck, Dump): M817; Truck. Tractor: M818; Truck, Tractor, : M819; Truck, , Expansive: M820, M820A1, M820A2; Truck, Stake, Bridge Transporting: M821.

TM 9-2320-260-3.1-1

Troubleshooting Direct Support and General Support Level 5-Ton, 6x6, M809 Series Trucks (Diesel): Chassis: M809 NW'/O Winch (NSN 2320-00-050-8842) W/W (2320-00-050-8841), M809A1 W 'W (2320-00-050-8941), MA810 W/O Winch (2320-00-051-0586) W/W (2320-00-051-0585), M1811 NWN/O Winch (2320)-00-050-8986) W., NW (2320-00-050-8985), MA811Al NWT/W (2320-00-050-8989),)M811A2 W/O Winch (2320-00-9005), AM812 ,'W (2320-00-050-9011), M812A1 W/W (2320-00-050-9040); Cargo: M813 NW'/O (2320-00-050-8902) W/W' (2320-00-050-8890), M813A1 WTC/O Winch (2320-00-050-8913) W/WN (2320-00-050-8905), M814 'W/O Winch (2320-00-050-8988) W/WX (2320-00-050-8987); Bolster, Logging NW/WN (2320-00-050-8927); Wrecker, Medium: iM816 NNW/WN (2320-00-051-(0-189)); Dump): MI817 NW/O Winch (2320-00-050-8970) NW/WNZ (2320-00-051-0589); Tractor: M818 W/O Winch (2320-00-050-8984) W/W (2320-00-8978); Tractor, Wrecker: M819 W/W (2320-00-050-9004); Van, Expansible: AM820 NWN/O Winch (2320-00-050-9006), MI820AI1 W/O Winch (2320-

	00-050-9007), M820A2 W/O Winch (2320-00-050-9010) and Stake, Bridge Transporting: M821 W/O Winch (2320-00-050-9015).
TM 9-2320-260-34-2-1, -34-2-2,-34-2-3, -34-2-4,-34-2-5	Maintenance Direct Support and General Support Level 5-Ton, 6x 6, M809 Series Trucks (Diesel): Chassis: M809 W/O Winch (NSN 2320-00-050-8842) W/W (2320-00-050-8841), M809A1 W_W (2320-00-050-8941), M810 W/O Winch (2320-00-051-0586) W/W (2320-00-051-0585), M811 W/O Winch (2320-00-050-8986) N W/W (2320-00-050-8985), M811A1 IW/W (2320-00-050-8989), M811A2 W/O Winch (2320-00-050-9005), M812 NW!/W' (2320-00-050-9011), M812A1 N'W/W (2320-00-050-9040); Cargo: M813 W/',/O Winch (2320-00-050-8902) W /W (2320-00-050-8890), M813A1 NW/O Winch (2320-00-050-8913) W/NW (2320-00-050-8905), M814 W/0 Winch (2320-00-050-8988) NW/W (2320-00-050-8987); Bolster, Logging: M815 W/W (2320-00-050-8927); Wrecker, Medium: M816 W/'NW (2320-00-051-0489); Dump: M817 NW/O Winch (2320-00-050-8970) NNW/WN (2320-00-051-0589); Tractor: M818 W'/O Winch (2320-00-050-8984) W/W (2320-00-050-8978); Tractor, Wrecker: M819 7W/WN' (2320-00-050-9004);Van, Expansible: M820 W/O Winch (2320-00-050-9006), M820A1 W/O Winch (2320-00-050-9007), M820A2 W/O Winch (2320-00-050-9010) and Stake, Bridge Transporting; M821 NWN/O Winch (2320-00-050-9015).
TM 9-2320-260-34P/1	Direct Support and General Support Maintenance Repair Parts and Special Tools List for 5-Ton 6x6 Truck, Chassis: M809, M809A1, M810, M811, M811A1, M811A2, M812, M812A1, Cargo, Dropside: M813, M814; Bolster: M815, Wrecker: M816; Dump: M817; Tractor: M818, Tractor, Wrecker: M819; Van, Expansible: M820, M820A1, M820A2 and Stake, Bridge Transporting: M821.
TM 9-2320-260-34P/2	Direct Support Maintenance Repair Parts and Special Tools List for Truck, Chassis: 5-Ton, 6x6, M809, M809A1, M810, M811, M811A1, M811A2, M812, M812A1; Truck, Cargo: Dropside, M813A1, M813, M814 Truck, Bolster: M815 Truck, Wrecker: M816 Truck, Dump: M817 Truck, Tractor: AM818 Truck, Tractor, Wrecker: M819 Truck, Van: Expansible, M820, M820A1, M820A2 Truck, Stake: Bridge Transporting, M821.
TM 9-2330-271-14	Operator's, Organizational, Direct Support and General Support Maintenance Manual (Including Repair Parts and Special Tools): Semitrailer, Van: Electronic, 10-Ton, 4-NWheel, XM574 (FSN 2330-086-7406), XM574E1 (2330-933-9944), XM654 (2330-973-1608), XM680 (2330-070-4452), XM738 (2330-999-3893), XM739 (2330-930-0024), XM 739E1 (2330-782-1377), XM823 (2330-127-5404) and XM824 (2330-127-5415).
TM-11-5805-201-12	Operator and Organizational Maintenance Manual; Telephone Set, TA-312/PT (NSN 5805-00-543-0012).
TM 11-5805-201-35	Direct Support, General Support, and Depot Maintenance Manual (Including Repair Parts and Special Tools List): Telephone Set TA-312/PT (NSN 5805-00-543-0012).
TM 11-5830-221-12	Operator's and Organizational Maintenance Manual: Intercommunication Stations, LS-147A/FI, LS-147B/FI, LS-147C/FI and LS-147D',FI (NSN 5830-00-752-5357).
TM 11-5830-221-24P	Organizational, Direct Support, and General Support Maintenance Repair Parts and Special Tool Lists for Telecommunication Station LS-147C/FI (NSN 5830-00-752-5357).
TM 11-5830-221-35	Field and Depot Maintenance Manual: Intercommunication Stations LS- 147A/FI, LS-147B/FI, LS-147C/FI and LS-147D;/FI.
TM 11-6625-366-15	Organizational, Direct Support, General Support, and Depot Maintenance Manual: Multimeter TS-352B/U.

TM 11-6625-366-24P	Organizational, Direct Support, and General Support Maintenance Repair Parts and Special Tools Lists (Including Depot Maintenance, Repair Parts and Special Tools) for Multimeter TS-352B,'U (NSN 6625.,-00-553-0142).
TM 11-6625-602-12	Operator's and Organizational Maintenance Manual (Including Repair Parts and Special Tools Lists): Test Set, Telephone, AN 'I'SM-181 and Hewlett-Packard Model 3550B.
TM 11-6625-602-12-1	Operator's and Organizational Maintenance Manual: Test Set, Telephone e AN/USM-181B.
TM 11-6625-602-20P	Organizational Maintenance Repair Parts and Special Tools List for Test Sets, Telephone AN/USM-181 and AN USM-181A (NSN 6625-00-740-0344).
TM 11-6625-602-20P-1	Organizational Maintenance Repair Parts and Special Tool Lists for Test Sets, Telephone AN/USM-181B and AN USAM-181C (NSN 6625-00-740-0344).
TM 11-6625-602-40-1	General Support Maintenance Manual for Test Set, Telephone, AN/USM- 181B.
TM 11-6625-602-40P	General Support Maintenance Repair Parts and Special Tools List (In- eluding Depot Maintenance Repair Parts and Special Tools) for Test Sets, Telephone AN/USM-181 and AN /USM-181A (NSN 6625-00-740-0344).
TM 11-6625-602-40P-1	General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Test Set, Telephone AN, USM-181B and AN/USM-181C (NSN 6625-00-740-0344).
TM 11-6625-602-45	General Support and Depot Maintenance Manual Including Repair Parts List: Test Set, Telephone AN/USM-lS and (Hewlett-Packard Model 3550B).
TM 38-750	The Army Maintenance Management System (TAMMS).
TM 740-90-1	Administrative Storage of Equipment.
TM 750-244-2	Procedures for Destruction of Electronics Material to Prevent Enemy Use (Electronics Command).

Section II. COMMERCIAL PUBLICATIONS

Part 1. IBM Equipment Publications

IBM systems and equipment are identified by lot number, serial number, and latest engineering change number. The publications which accompany the individual equipment reflect this information as they are specifically prepared to fulfill documentation requirements according to the numbers assigned. When ordering an IBM publication specify the serial, lot, and engineering change numbers in the request.

Title	*IBM Form Number*
DOS System General and Maintenance	GC-24-5033
DOS System Control SE	GC-24-5036
DOS Supv I,'O MACROS	GC-24-5037
DOS TOS Util MACROS	GC-24-5402
DOS Taple LBL	GC-2-1-5070
DOS DASD Table	GC-24-5072
DOS Messages	GC-24-5074
DOS USA Standard COBOL	GC-28-6398
DOS T/DR Sort, Merge Prog	GC-28-6676
DOS TOS Assembly	GC-24-3414
DOS Data Management	GC-24-3427
DOS Data Management	GH-20-0737
DOS Concepts and Facilities	GC-24-5030
DOS ANS COBOL	GC-28-6394
DOS SYS SVC PROG	GY-24-5153
DOS IPL & JCL	GY-24-5086
DOS TOS UTIL Programs (SP)	GC-24-3465
DOS BTAM	GC-30-5001
DOS Operating Guide	GC-24-5022-12
DOS TOS COB Programmer's Guide	GC-24-5025
Operator's Reference Guide	SR-20-1078
MST TOM	SY22-6739
SRL, Interface	GA22-6974

Title	*IBM Form Number*
Introduction to I/O Operations	SR23-3061
Reference Card 360	GX20-1703
Component Reference Card	S223-2596
Typehead Alignment	S229-9004
Rotate Tape Replacement	S229-9005
SLT Packaging and Documentation	SR23-2916
2030 Processing Unit FETOM	SY24-3360
2030 Processing Unit FEMM	SY24-3466
12030 Processing Unit FE Diagrams Manual	SY24-3507
2030 Console Status Sheet (50 to a pad)	S229-2110
2030 Illustrated Parts Catalog	S124-0090
System 360, General Section FE Handbook	SY22-2851
System 360, Model 30 FE Handbook	S229-2116
IBM System/'360 Bibliography	GA22-6822
IBM System '360 System Summary	GA22-6810
IBM System '360 Model 30, Operator's Guide	GA24-3373
IBM System /360 Principles of Operation	GA22-6821
IBM System '360 Model 30 Configurator	GA24-3232
IBM System '360 Input/Output Configurator	GA22-6823
IBM System/360 Model 30 Functional Characteristics	GA24-3231
SRL Manual-1050 System	GA24-3020
SRL Manual-IBMI 1050 Basic Operating Information	GA24-3125
Original Equipment Manufacturer's Information (OEM) 1050 System	GA24-3143
1050 Operator's Guide Card	S229-2077
1050 CE Reference Card	S229-2080
1051 Reference Manual	S225-3180
1051 Parts Catalog	S124-0058
1052'1053 Reference Manual	S225-3179
1054/1055 CE Manual of Instruction	S225-3082
I/O Selectric CE Manual of Instruction	S225-3353
I,/O Selectric Keyboardless Parts Catalog	S124-0070
Selectric I /O FEMM	S225-3207
FETOM I/O Attachment	SY09-1000
2314 Direct Access Storage Facility FEMDM 2314; 2844 Auxiliary Storage Control	SY26-4001
FEMDM 2314/2844 Multiplex Storage Control Feature Airline Buffer	SY26-4138
FEMM Disk Pack Inspection Tool Handbook	S229-5056

Title	*IBM Form Number*
FETMM 2314 '2844 Multiplex Storage Control Feature Airlines Buffer	SY24-3546
FETOM 2314;2844 Model 1 and A-Series 2314A Direct Access Memory	SY26-3671
IBM System,/360 Component Description 2314 Direct Access Storage Facility	GA26-3599
IBM Disk Pack Handling and Operating Procedures	GA26-5756
Operator's Guide	229-5055
FEMM 2314B Direct Access Menlo-ry	SY26-3672
FETOM Disk Storage	SY26-4176
2312/2313 Disk Storage (2313 is now 2319)	GA26-1586
IBM 2400 Magnetic Tape Units FEMDM 2401, 2402, 2403, Models 1-3; 2401 Model 8 MTU 2403 Models 1-3; and 2803 Models 1 and 3 TC	SY22-2854
FEMDM Tape Controls 2803 Model Ser. No. 11001 up (US) 2803 Model 2 Ser. No. 14001 up (US 2803 Models 1 and 2 Ser. Nos. 51-0001 up (TWC) 2401, 2403 Mods. 1-6	SY32-7001
FEMM 2401, 2402, 2403 Mods. 1-6, 2404 Mods. 1-3	SY22-6631
FETOM 2401, 2402, 2403, Mods. 1-6, 2404 Mods. 1-3	SY22-2819
FEMDM Models, 4, 5, and 6 2803 Mod. 2	SY22-6606
FEMM Tape Controls 2403 Models 1-6, 2404 Models 1-3, 2803/'2804 Models 1 and 2	SY22-6635
FETOM 2803 ,2804 Model 1 Tape Controls; Tape Controls for 2403/2404 Models 1-3	SY22-2853
FETOM Tape Controls 2803/2804 Mod. 2, and 2403 Models, 4, 5, and 6	SY22-6602
FETOM Features 2803/2804 Model 2 Tape Control and Tape Controls to 2403 Mods. 4	SY22-6613
IBM 2400 Series Magnetic Tape Units	GA22-6866-6
IBM 129 Card Data Recorder FETMM Models 1, 2, 3	SY22-6871
FETMM Models 1, 2, 3, (Serial 20,000 and up)	SY22-6882
129 Operator's Guide	GA22-6980

Title	*IBM Form Number*
2821 Control Unlit	
2821 FETOM	SY24-3359
2821 FEMM	SY24-3383
2821 FETOM Wto Channel Switch Feature	SY25-3479
2821 Illustrated Parts Catalog	S124-0084
SRL IBM 2821 Control Unit	GA24-3312
1403 Printer	
1403 Printer	GA24-1431
IBM 1403 Printer Component Description	GA24-3073-9
2540 Card Read Punch	
SRL System/360 Installation Manual-Physical Planning	C22-6820
2540 Manual of Instruction	SY31-0081
2540 Manual of Instruction-P.I.	SR31-0116
2540 Maintenance Manual	SY31-0082
2540 Parts Catalog	S121-0545
2540 Operational Manual	GA21-9033

Title	*Manufacturer and Reference*

Part 2. ADP Related Equipment

Extended Memory CMI Model TX-30 (224K)	Cambridge Memories, Inc.
Card Counter, Model 50-261 (Form Separator Series 1806)	Standard Register

Part 3. Non-ADP Related Equipment

Hydraulic Unit A3001-2037	Bellows-Valvair
Humidifier Model R277	Fresh Aire Co.
Thermostat A36 3299-F(3299-E) (A36ABB-2)	Pen Controls

Part 4. Test Equipment

Oscilloscope Model 465 Operations Manual	Tektronix P/N 070-1738-01
Oscilloscope Model 465 Service Manual	Tektronix P/N 070-1300-00
Degausser TD 2903-4B	Bell & Howell 475265
Magnetic Tape Cleaner/Tester TMS-70 Model IV	Kybe Corp.
Calibration Procedure for Tektronix 465 Oscilloscope	TB 9-4935-253-50-7

APPENDIX B

COMPONENTS OF END ITEM LIST

Section I. INTRODUCTION

B-1. Scope

This appendix lists integral components of and Basic issue items for the AN/MYK-8(V) (*) to help you inventory items required for safe and efficient operation.

B-2. General

This Component of End Items is divided into the following sections:

a. Section II. Integral Components of the End Item. Not applicable. These items, when assembled, comprise the AN/MYK-8(V) (*) and must accompany it whenever it is transferred or turned in. The illustrations will help you identify these items.

b. Section III. Basic Issue Items. Not applicable. These are the minimum essential items required to place the AN,/MYK-8(V) (*) in operation, to operate it, and to perform emergency repairs. Although shipped separately packed they must accompany the AN,/MYK-8(V) (*) during operation and whenever it is transferred between accountable officers. The illustrations will assist you with hard-to-identify items. This manual is your authority to requisition replacement BII, based on TOE/MTOE authorization of the end item.

B-3. Explanation of Columns

a. Illustration. This column is divided as follows:

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

(2) Item, number. The number used to identify item called out in the illustration.

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

c. Part Number. Indicates the primary number used by the manufacturer, 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. Following the part number, the Federal Supply Code for Manufacturers (FSCM) is shown in parentheses.

d. Description. Indicates the Federal item name and, if required, a minimum description to identify the item.

e. Location. The physical location of each item listed is given in this column. The lists are designed to inventory all items in one area of the major item before moving on to an adjacent area.

f. Usable on Code. Not applicable. "USABLE ON" codes are included to help you identify which component items are used on the different models. Identification of the codes used in these lists are:

Code *Used on*

g. Quantity Required (Qty Reqd). This column lists the quantity of each item required for a complete major item.

h. Quantity. This column is left blank for use during an inventory. Under the Rcvd column, list the quantity you actually receive on your major item. The Date columns are for your use when you inventory the major item at a later date; such as for shipment to another site.

(Next printed page is B-3)

Section II. INTEGRAL COMPONENTS OF END ITEM

(1) ILLUSTRATION (A) FIG. NO.	(1) ILLUSTRATION (B) ITEM NO.	(2) NATIONAL STOCK NUMBER	(3) DESCRIPTION PART NUMBER	(3) (FSCM)	(4) LOCATION	(5) USABLE ON CODE	(6) QTY REQD	(7) QUANTITY RCVD	(7) QUANTITY DATE
1-1			DATA ANALYSIS CENTRAL OL-gS(V)(*)/MY"-8(V)						
			CONSISTING OF						
		4120-00-959-4453	AIR CONDIIONER (18,000O BTU)		CPU		4		
			CABLE, POWER		MSU AND CPI		4		
			LBAD-D-24913						
			CABLE, POWER 25 FEET		GENERATOR SET AND POWER		2		
			LBAD-D-25O61-2		DISTRIBUTION BOX				
			CABLE, POWER 25 FEET		COMMERCIAL POWER AND				
			LBAD-D-25062		DISTRIBUTION BOX				
			CARD COUNTER	(25076)	CPU		1		
			MOD-CC-350						
1-8			CARD READ PUNCH	(30874)	CPU		1		
			2540-1						
			CARD STORAGE CABINET		CPU		1		
			LBAD-D-25047-2						
			CARTRIDGE TRAIN (CHAIN)	(30874)	CPU		1		
			1416-1						
			CONTROL UNIT	(30874)	CPU		1		
			1051						
			CONTROL UNIT	(30874)	CPU		1		
			2821-1						
			CYLINDER, 22 INCH STROKE	(88233)	CPU		3		
			A060-12003						
			HUMIDIFIER, OASIS CENTURY	(21617)	CPU		1		
			277						
4-1			HYDRAULIC POWER UNIT	(88233)	CPU		1		
			A3001-2037						
3-4			HYDRAULIC CONSOLE CABINET		CPU		1		
			LBAD-D-25028						
			PAPER STORAGE CABINET		CPU		1		
			LBAD-D-25047-1						
			POWER DISTRIBUTION BOX		OUTSIDE OF CS3 SYSTEM		1		
			LBAD-D-40222						
1-6			PRINTER	(30874)	CPU		1		
			1403-N1						
1-7			PRINTER, KEYBOARD	(30874)	CPU		1		
			1052-8						
1-7			PROCESSING UNIT	(30874)	CPU		1		
			2030-1E						
			ROD, CLEUIS	(88233)	CPU		3		
			8273-010						
		5975-00-224-5260	ROD, GROUNDING		CPU		2		
		5995-00-682-3258	ROD, GROUND STRAP		CPU		2		
			STRAPS		CPU		3		
			LBAD-C-25048-8						
			STRAPS		CPU		4		
			LBAD-C-25048-5						
			STRAPS		CPU		1		
			LBAD-C-25Y48-7						

SECTION II. INTEGRAL COMPONENTS OF END ITEM

(1) ILLUSTRATION (A) FIG. NO.	(1) ILLUSTRATION (B) ITEM NO.	(2) NATIONAL STOCK NUMBER	(3) DESCRIPTION PART NUMBER	(FSCM)	(4) LOCATION	(5) USABLE ON CODE	(6) QTY REQD	(7) QUANTITY RCVD	(7) QUANTITY DATE
			DATA STORAGE GROUP OL-,95Vi(*)/MYK-B(V) CONSISTING OF						
1-2		4120-0O-959-4453	AIR CINDITIONER		MSU		4		
			BRACKET ACSEMBLY L3AD-D-28239		MSU		2		
			BRACKET, EMERGENCY LIGHT L3AD-C-23306		MSU		1		
			BRACKET, GROUNDING ROD SC-B-75065P8		MSU		1		
			CABINET, DOUBLE DRAWER CARD 3730		MSU		1		
			CABLE, SIGNAL 5671		MSU		4		
			CABLE, EPO 5672		MSU		2		
			COAT RACE LBAD-D-25127		MSU		1		
			CONTROL UNIT- 2304-2	(3074)	MSU		1		
			CYLINDER, 17 INCH STROKE A060-12003	(582331	MSU		2		
			DECK ASSEMBLY LBAD-D-28285		MSU		1		
			DECK RAMP ASSEMBLY LBAD-D-22822		MSU		2		
			DECK SUPPOPT PAILS LBAD-C-28279		MSU		4		
			DIRECT ACCESS STORAGE FACILITY 2314-l(W/1-2312, 2-2313)	(3D874)	MSU		1		
1-11			DISK PACKS 2316	(30874)	MSU IN		AR		
			FRONT PLATFORM ASSEMBLY LB6A-D-25142		MSU		1		
			HOUSE -TOP LBAD-D-2827B		MSU		2		
3-1			HYDRAULIC CONSOLE CABINET LBAD-D-25028		MSU		1		
			HDRAIIL!C CYLINDER, 22 INCH A060-12003	(88233)	MSU		1		
4-1			HYDRAULIC POWER UNIT A3001-2037	(882331	MSU		1		
			INTRA-VAN CABLES LBAD-D-25128		MSU AND CP		1LOT		
			MAGNETIC TAPE UNIT (1 EA DUAL DENSITY) 2401-5	(30874)	MSU		6		
			MAGNETIC DISK CABINET LBAD-D-25087		MSU		3		
			PASSAGEWAY COVER LBAD-D-28342		MSU		1		
			PASSAGEWAY RAILS LBAD-C-28280		MSU		10 (2 snares)		
3-1			POWER MONITOR ASSY LBAD-D-25018		MSU		2		

SECTION II. INTEGRAL COMPONENTS OF END ITEM

(1) ILLUSTRATION (A) FIG. NO.	(1) ILLUSTRATION (B) ITEM NO.	(2) NATIONAL STOCK NUMBER	(3) DESCRIPTION PART NUMBER	(3) (FSCM)	(4) LOCATION	(5) USABLE ON CODE	(6) QTY REQD	(7) QUANTITY RCVD	(7) QUANTITY DATE
			ROD, CLEUIS BZ73-010	(88233)	MSU		3		
		5975-00-224-5260	ROD, GROUNDING	(21617)	MSU		1		
			STORAGE CABINET, WALL MOUNTED LBAD-D-281 12		MSU		1		
			STRAP ASSEMBLY LBAD-D-25109		MSU		2		
			STRAP ASSEMBLY, 442 INCH LBAD-C-25042-6		MSU		3		
			STRAP ASSEMBLY, 188 INCH LBAD-C-25042-8		MSU		1		
		5995-00-6B2-3258	STRAP, GROUNDING ROD		MSU		1		
			TAPE RACK, BAR, 48-3/4 INCH LBAD-C-25013-1		MSU		5		
			TAPE RACK, BAR, 34-3/4 INCH LBAD-C-25013-2		MSU		10		
			TAPE STORAGE 52-1/2 INCH (MODIFIED 3643-24) LBAD-C-25068	(81824)	MSU		2		
			TAPE STORAGE 58-1/2 INCH (MODIFIED 3643-24) LBAD-C-25067)	(81824)	MSU		1		
1-13			DATA SUPPORT FACILITY, MOBILE V-460/MYK-8(V) CONSISTING OF:						
1-2		4120-00-16B-1781	AIR CONDITIONER/HEATER, 18,000 BTU COOLING, 12,000 BTU HEATING		V-460/MYK-8(V)		1		
			CABLE, POWER LBAD-D-25061-I		V-460/MYK-8(V)		1		
			CARD DATA RECORDER 129	(30874)	V-460/MYK-B(V)		1		
		7105-00-269-8463	CHAIR, OFFICE		V-460/MYK-8(V)		1		
		6645-00-303-4954	CLOCK, 8 DAY		V-460/MYK-8(V)		1		
			DESK W/DRAWERS LBAD-D-28124		V-460/MYK-8(V)		1		
			DOOR STOP ASSY LBAD-D-7835		V-460/MYK-8(V)		1		
			HOLDER, TEMP/HUMIDITY INDICATOR LBAD-D-25126		V-460/MYK-8(V)		1		
1-14			MAGNETIC TAPE CLEANER/TESTER TMS-70	(17691)	V-460/MYK-8(V)		1		
1-13			POWER ENTRANCE PANEL LBAD-D-37718		V-460/MYK-8(Y)		1		
			POWER MONITOR BOX LBAD-D-30326		V-460/MYK-8(V)		1		
		7520-00-162-6178	PENCIL SHARPENER		V-460/MYK-8(Y)		1		
		5975-00-224-5260	ROD, GROUND		V-460/MYK-8(V)		2		
			ROD, GROUND BRACKET SC-B-506588		V-460/MYK-8(V)		1		

SECTION II. INTEGRAL COMPONENTS OF END ITEM

(1) ILLUSTRATION (A) FIG. NO.	(1) ILLUSTRATION (B) ITEM NO.	(2) NATIONAL STOCK NUMBER	(3) DESCRIPTION PART NUMBER	(3) (FSCM)	(4) LOCATION	(5) USABLE ON CODE	(6) QTY REQD	(7) QUANTITY RCVD	(7) QUANTITY DATE
		4940-00-752-2525	ROD, GROJND STRAP		V-460/MYK-8(V)		2		
		7110-00-920-9336	SAFE, MOSLER		V-460/MYK-8(V)		1		
		5805-00-543-0012	TELEPHONE TA-312/PT		V-46/MYK-8 (V)		1		
			TEMP/'HUMIDITY INDICATOR 39T66	(39428)	V-460,/MYK-8(V)		1		

SECTION II. INTEGRAL COMPONENTS OF END ITEM

(1) ILLUSTRATION (A) FIG. NO.	(1) ILLUSTRATION (B) ITEM NO.	(2) NATIONAL STOCK NUMBER	(3) DESCRIPTION PART NUMBER (FSCM)	(4) LOCATION	(5) USABLE ON CODE	(6) QTY REQD	(7) QUANTITY RCVD	(7) QUANTITY DATE
		7920-00-178-8315	BRUSH, DUST	V-460/MYK-8(V)		1		
		4210-00-727-8111	FIRE AXE	CPU		1		
		4210-00-727-8111	FIRE AXE	MSU		1		
		4210-00-727-8111	FIRE AXE	V-460/MVK-8(V)		1		
		4210-00-270-4512	FIRE EXTINQUISHER' 5 LBS, C02	CPU		1		
		4210-00-270-4512	FIRE EXTINQUISHER: 5 LBS, CO2	MSU		1		
		4210-00-270-4512	FIRE EXTINQUISHER 5 LBS, C02	V-460/MYK-8(V)		1		
		5120-00-251-4489	HAMMER, SLEDGE 8 LBS	CPU		1		
		5120-00-251-4489	HAMMER, SLEDGE 8 LBS	MSU		1		
		5120-00-251-4489	HAMMER, SLEDGE 8 LBS	V-460/MVK-8(V)		1		
		6545-00-922-1200	KIT, FIRST AID	V-460/MYK-8(V)		1		
		6230-00-803-7063	LANTERN, HAND	MSU		1		
		6230-00-803-7063	LANTERN, HAND	V-460/MYK-8(V)		1		
		6230-00-405-2187	LIGHT, EMERGENCY, BIG BEAM W/BATTERIES AND ACID	MSU		1		
		7910-00-NSN-0002	VACUUM CLEANER' COMPACT MODEL C-6; ELECTRA	CPU		1		

APPENDIX C

ADDITIONAL AUTHORIZATION LIST

Section I. INTRODUCTION

C-1. Scope

This appendix lists additional items you are authorized for the support of the AN/MYK-8(V)

C-2. General

This list identifies items that do not have to accompany the AN/MYK-8 (V) (*) and that do not have to be turned in with it. These items are all authorized to you by CTA, MTOE, TDA, or JTA.

C-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.

(Next printed page is C-3)

SECTION II. ADDITIONAL AUTHORIZATION LIST

(1) NATIONAL STOCK NUMBER	(2) DESCRIPTION PART NUMBER AND FSCM	USABLE ON CODE	(3) U/M	(4) QTY AUTH
6115-00-828-2218	GENERATOR SET, GASOLINE ENGINE, TRAILER MOUNTED PU-495/G		EA	2
6135-00-120-1020	BATTERY, DRY, TYPE BA-30		EA	6

APPENDIX D

MAINTENANCE ALLOCATION

Section I. INTRODUCTION

D-1. General

This appendix provides a summary of the maintenance operations for AN/MYK-8(V)1 and AN/MYK-8(V)3. It authorizes categories of maintenance for specific maintenance functions on repairable items and components and the tools and equipment required to perform each function. This appendix may be used as an aid in planning maintenance operations.

D-2. Maintenance Function

Maintenance functions will be limited to and de- fined as follows:

a. Inspect. To determine the serviceability of an item by comparing its physical, mechanical, and/or electrical characteristics with established standards through examination.

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

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

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

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

f. Calibrate. To determine and cause corrections to be made or to be adjusted on instruments or test measuring and diagnostic equipments used in precision measurement. Consists of comparisons of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared.

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

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

i. Repair. The application of maintenance services (inspect, test, service, adjust, align, calibrate, 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.

i. 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 like new condition.

k. Rebuild. Consists of those services/actions necessary for the restoration of unserviceable equipment to a like new condition in accordance with original manufacturing standards. Rebuild is the highest degree of material 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 equipment/components.

D-3. Column Entries

a. Column 1, Groutp Number. Column 1 lists group numbers, the purpose of which is to identify components, assemblies, subassemblies, and modules with the next higher assembly.

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

c. Column 3, Maintenance Functions. Column 3 lists the functions to be performed on the item listed in column 2. When items are listed without maintenance functions, it is solely for purpose of having the group numbers in the MAC and RPSTL coincide.

d. Column 4, Maintenance Category. Column 4 specifies, by the listing of a "work time" figure in the appropriate subcolumn(s), the lowest level of maintenance authorized to perform the function listed in

column 3. This figure represents the active time required to perform that maintenance function at the indicated category of maintenance. If the number or complexity of the tasks within the listed maintenance function vary at different maintenance categories, appropriate "work time" figures will be shown for each category. The number of taskhours specified by the "work time" figure represents the average time required to restore an item (assembly, subassembly, component, module, end item or system) to a serviceable condition under typical field operating conditions. This time includes preparation time, troubleshooting time, and quality assurance/quality control time in addition to the time required to perform the specific tasks identified for the maintenance functions authorized in the maintenance allocation chart. Subcolumns of column 4 are as follows:

C - Operator/Crew
0 - Organizational
F - Direct Support
H - General Support
D - Depot

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

f. Column 6, Remarks. Column 6 contains an alphabetic code which leads to the remark in section IV, Remarks, which is pertinent to the items opposite the particular code.

D-4. Tool and Test Equipment Requirements (Sect III)

a. Tool or? Test Equipment Reference Code. The numbers in this column coincide with the numbers used in the tools and equipment column of the MAC. The numbers indicate the applicable tool or test equipment for the maintenance functions.

b. Maintenance Category. The codes in this column indicate the maintenance category allocated the tool or test equipment.

c. Nomenclature. This column lists the noun name and nomenclature of the tools and test equipment required to perform the maintenance functions.

d. National/NATO Stock Number. This column lists the National/NATO stock number of the specific tool or test equipment.

e. Tool Number-. This column lists the manufacturer's part number of the tool followed by the Federal Supply Code for manufacturers (5-digit) in parenthesis.

D-5. Remarks (Sect IV) Not applicable.

(Next printed page is D-3)

SECTION II. MAINTENANCE ALLOCATION CHART FOR DATA ANALYSIS SERVICES SUPPORT SYSTEM AN/MYK-8(V)1 AND AN/MYK-8(V)3

(1) GROUP NUMBER	(2) COMPONENT ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE CATEGORY C	O	F	H	D	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	DATA ANALYSIS SERVICES SUPPORT SYSTEM, AN/MYK-8(V)1 and AN/MYK-8(V)3	Inspect		0.2					
		Test		0.3				1,2,4	
		Install	1.0						
		Repair		0.5				3	
01	DATA ANALYSIS CENTRAL, OL-88(V)*/MYK-*(V)	Inspect		0.2					
		Test		0.3				1,2,4	
		Repair		0.5				3,5	
0101	CABLE ASSEMBLIES	Inspect		0.2					
	LBADD-24913, 25061, 25062	Test		0.2				2	
		Replace		0.3					
		Repair			0.5			3	
0102	POWER DISTRIBUTION BOX	Inspect		0.2					
	LBADD-40222	Test		0.3				2	
		Replace		0.1					
		Repair			0.4			3	
0103	CONTROL UNIT, IBM 1051	Inspect		0.2					
	LBADD-25030	Test		0.5				1,2,4	
		Service		0.3				3	
		Adjust		0.4				3	
		Replace			1.3			3	
		Repair		0.9				3	
		Overhaul					13.1		
0104	PRINTER, KEYBOARD, IBM 1052	Inspect		0.2					
	LBADD-25030	Test		0.3				2	
		Service		0.2				3	
		Adjust		0.4				3	
		Replace			0.6			3	
		Repair		0.4				3	
		Overhaul					2.6		
0105	MEMORY UNIT	Inspect		0.2					
	LBADD-25030	Test		0.9				1,2,4	
		Service		0.6				3	
		Adjust		0.4				3	
		Replace			1.1			3	
		Repair		1.0				3,5	
		Overhaul					26.9		
0106	HUMIDIFIER, OASIS CENTURY, OH-900	Inspect		0.2					
	LBADD-25030	Replace		0.2				3	
		Repair		0.5				3	
0107	PROCESSING UNIT, IBM 2030	Inspect		0.2					
	LBADD-25030	Test		0.5				1,2,4	
		Service		0.3				3	
		Adjust		0.8				3	
		Replace			1.2			3	
		Repair		0.8				3	
		Overhaul					32.9		
0108	CARD, PUNCH, IBM 2540	Inspect		0.2					
	LBADD-25030	Test		0.6				2	
		Service		0.9				3	
		Adjust		0.7				3	
		Replace			1.2			3	
		Repair		0.6				3	
		Overhaul					33.6		
0109	PRINTER, IBM 1403	Inspect		0.2					
	LBADD-25030	Test		0.4				2	
		Service		0.8				3	
		Adjust		0.6				3	
		Replace			0.5			3	
		Repair		0.4				3	
		Overhaul					8.2		

SECTION II. MAINTENANCE ALLOCATION CHART FOR DATA ANALYSIS SERVICES SUPPORT SYSTEM AN/MYK-8(V)1 AND AN/MYK-8(V)3

(1) GROUP NUMBER	(2) COMPONENT ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE CATEGORY C	O	F	H	D	(5) TOOLS AND EQUIPMENT	(6) REMARKS
0110	CONTROL UNIT, IBM 2821	Inspect		0.2					
	LBADD-25030	Test		0.3				1,2,4	
		Service		0.6				3	
		Adjust		0.9				3	
		Replace			2.1			3	
		Repair		1.6				3	
		Overhaul					21.3		
0111	EQUIPMENT INSTALLATION (CPU VAN)	Inspect		0.2					
	LBADD-25131	Repair		0.5				3	
		Repair			0.5			3	
011101	INTERCOM LS-147/FI	Replace		0.2				3	
	(See TM 11-5830-221-12)								
011102	STORAGE CABINET ASSEMBLIES	Inspect		0.2					
	LBADD-25046, 25183	Repair			0.3			3	
011103	BRACKET INSTALLATION (CPU VAN)	Inspect		0.2					
	LBADD-25011	Repair			0.3			3	
01110301	HYDRAULIC CONSOLE ASSEMBLY	Inspect		0.2					
	LBADD-25028	Repair			0.4			3	
01110302	UTILITIES INSTALLATION (CPU VAN)	Inspect		0.2					
	LBADD-25102	Repair		0.4				3	
		Repair			0.5			3	
0111030201	POWER MONITOR BOX ASSEMBLY	Inspect		0.2					
	LBADD-30326	Test		0.3				2	
		Repair		0.4				3	
0111030202	AIR CONDITIONER	Replace		0.5				3	
	(See TM 5-4120-308-15)								
0111030203	CABLE ASSEMBLY, AIR CONDITIONER	Inspect		0.2					
	LBADD-28349	Test		0.3				2	
		Repair			0.8			3	
0111030204	SIGNAL ENTRANCE BOX ASSEMBLY	Inspect		0.2					
	LBADD-25118	Test		0.3				2	
		Replace		0.8				3	
		Repair			0.6			3	
0111030205	VAN, SEMI-TRAILER 35 FT								
	(See TM 9-2330-271-14)								
01110302051	VAN, SEMI-TRAILER 35 FT, MODIFIED	Inspect		0.2					
	LBADD-25099	Test		0.3				2	
		Repair			0.3			3	
01110302052	FLOOR ASSEMBLY	Inspect		0.2					
	LBADD-25156	Repair			0.5			3	
0112	TELEPHONE SET, TA-312/PT	Replace		0.2					
	(See TM 11-5805-201-12)								
0113	GENERATOR, 100KW								
	(See TM 5-6115-365-15)								
02	DATA STORAGE GROUP	Inspect		0.2					
	OL-89(V)(*)/MYK-8(V)	Test		0.3				1,2,4	
0201	DIRECT ACCESS STORAGE FACILITY, IBM 2314	Inspect		0.2					
	LBADD-25030	Test		0.8				1,2,4	
		Service		0.5				3	
		Adjust		0.2				3	
		Replace			0.6			3	
		Repair		0.8				3	
		Overhaul					22.8		

SECTION II. MAINTENANCE ALLOCATION CHART
FOR
DATA ANALYSIS SERVICES SUPPORT SYSTEM
AN/MYK-8(V)1 AND AN/MYK-8(V)3

(1) GROUP NUMBER	(2) COMPONENT ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE CATEGORY C	O	F	H	D	(5) TOOLS AND EQUIPMENT	(6) REMARKS
0202	DIRECT ACCESS STORAGE FACILITY, IBM 2313	Inspect		0.2					
	LBADD-25030	Test		0.3				1,2.4	
		Service		0.4				3	
		Adjust		0.6				3	
		Replace			0.5			3	
		Repair		0.4	3				
		Overhaul					20.3		
0203	DIRECT ACCESS STORAGE FACILITY, IBM 2312	Inspect		0.2					
	LBADD-25030	Test		0.3				1,2,4	
		Service		0.4				3	
		Adjust		0.6				3	
		Replace			0.5			3	
		Repair		0.4				3	
		Overhaul					20.3		
0204	MAGNETIC TAPE UNIT, IBM 2401	Inspect		0.2					
	LBADD-25030	Test		0.4				1,2,4	
		Service		0.3				3	
		Adjust		0.6				3	
		Replace			0.4			3	
		Repair		0.5				3	
		Overhaul					6.2		
0205	CONTROL UNIT, IBM 2804	Inspect		0.2					
	LBADD-25030	Test		0.5				1,2,4	
		Service		0.3				3	
		Adjust		0.4				3	
		Replace			1.3			3	
		Repair		0.9				3	
		Overhaul					13.2		
0206	EQUIPMENT INSTALLATION (MSU VAN)	Inspect		0.2					
	LBADD-25151	Repair		0.4				3	
020601	INTERCOM, LS-147/FI								
	(Same as Group 011101)								
020602	STORAGE CABINET	Inspect		0.1					
	LBADC-28111	Repair		0.3				3	
		Repair			0.5			3	
020603	DISK STORAGE CABINET	Inspect		0.1					
	LBADD-25087	Repair			0.3			3	
020604	TAPE RACK ASSEMBLIES	Inspect		0.1					
	LBADD-25082, 25083	Repair			0.3			3	
020605	HYDRAULIC CONSOLE ASSEMBLY								
	LBADD-25028								
	(Same as Group 01110301)								
020606	BRACKET INSTALLATION (MSU VAN)	Inspect		0.2					
	LBADD-25010	Repair			0.4			3	
02060601	UTILITIES INSTALLATION (MSU VAN)	Inspect		0.2					
	LBADD-25106	Repair		0.3				3	
		Repair			0.5			3	
0206060101	POWER MONITOR BOX ASSEMBLY								
	LBADD-30326								
	(Same as Group 0111030201)								
0206060102	CABLE ASSEMBLY, AIR CONDITIONER								
	LBADD-28349								
	(Same as Group 0111030203)								
0206060103	AIR CONDITIONER								
	(Same as Group 0111030202)								
0206060104	SIGNAL ENTRANCE FOX ASSEMBLY								
	LBADD-25118								
	(Same as Group 0111030204)								

SECTION II MAINTENANCE ALLOCATION CHART
FOR
DATA ANALYSIS SERVICES SUPPORT SYSTEM
AN/MYK-8(V)1 AND AN/MYK-8(V)3

(1) GROUP NUMBER	(2) COMPONENT ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE CATEGORY C	O	F	H	D	(5) TOOLS AND EQUIPMENT	(6) REMARKS
0206060105	VAN, SEMI-TRAILER 35 FT (Same as Group 0111030205)								
02060601051	VAN, SEMI-TRAILER 35 FT, MODIFIED	Inspect		0.2					
	LBADD-39958	Test		0.3				2	
		Repair			0.3			3	
02060601052	FLOOR ASSEMBLY	Inspect		0.2					
	LBADD-25180	Repair			0.5			3	
0207	AC POWER CABLE (Same as Group 0101, LBADD-24913)								
0208	TELEPHONE SET, TA-312/PT (Same as Group 0112)								
03	DATA SUPPORT FACILITY MOBILE, V-460/MYK-8(V)	Inspect		0.2					
	LBADD-38055	Test		0.3				2	
		Repair		0.5				3	
0301	DECOLLATOR, STANDARD 1806	Inspect		0.2					
	LBADD-38055	Test		0.2				2	
		Service		0.2				3	
		Adjust		0.3				3	
		Replace			0.2			3	
		Repair		0.3				3	
0302	SAFE, 2 DRAWER	Inspect		0.2					
	LBADD-38055	Repair		0.4				3	
0303	TAPE DEGAUSSER, TD-2903	Inspect		0.2					
	LBADD-38055	Test		0.3				2	
		Service		0.2				3	
		Replace			0.3			3	
		Repair		0.3				3	
0304	MAGNETIC TAPE CLEANER/TESTER, TMS-70	Inspect		0.2					
	LBADD-38055	Test		0.3				2	
		Service		0.3				3	
		Adjust		0.2				3	
		Replace			0.3			3	
		Repair		0.2				3	
0305	STORAGE CABINET ASSEMBLY	Inspect		0.2					
	LBADD-38060	Repair			0.3			3	
0306	CARD DATA RECORDER, IBM 129	Inspect		0.2					
	LBADD-38068	Test		0.3				2	
		Service		0.8				3	
		Adjust		0.6				3	
		Replace			0.4			3	
		Repair		0.4				3	
0307	BRACKET INSTALLATION	Inspect		0.2					
	LBADD-38054	Repair			0.3			3	
030701	UTILITIES INSTALLATION	Inspect		0.2					
	LBADD-38053	Repair		0.3				3	
		Repair			0.5			3	
03070101	AIR CONDITIONER (See TM 5-4120-243-14)	Replace		0.5				3	
03070102	POWER ENTRANCE BOX, INSTALLATION ASSEMBLY	Inspect		0.2					
	LBADD-37718	Repair			0.3			3	
03070103	POWER MONITOR BOX ASSEMBLY LBADD-30326 (Same as Group 0111030201)								
03070104	TRUCK, VAN, SHOP M109A3 (See TM 9-2320-209-20)								
0307010401	VAN, MODIFIED	Inspect		0.2					
	LBADD-38052	Test		0.3				2	
		Repair			0.3			3	

SECTION II MAINTENANCE ALLOCATION CHART
FOR
DATA ANALYSIS SERVICES SUPPORT SYSTEM
AN/MYK-8(V)1 AND AN/MYK-8(V) 3

TOOL OR TEST EQUIPMENT REF CODE	MAINTENANCE CATEGORY	NOMENCLATURE	NATIONAL/NATO STOCK NUMBER	TOOL NUMBER
1	O,F,D	OSCILLOSCOPE, TEKTRONIX 465		465 (80009)
2	0,F,D	MULTIMETER, TS-352B/U	6625-00-553-0142	
3	O,F,D	ADPE TOOL KIT		453582 (30874)
4	O,F,D	VOLTMETER, DIGITAL AN/GSM-64B	6625-00-870-2264	

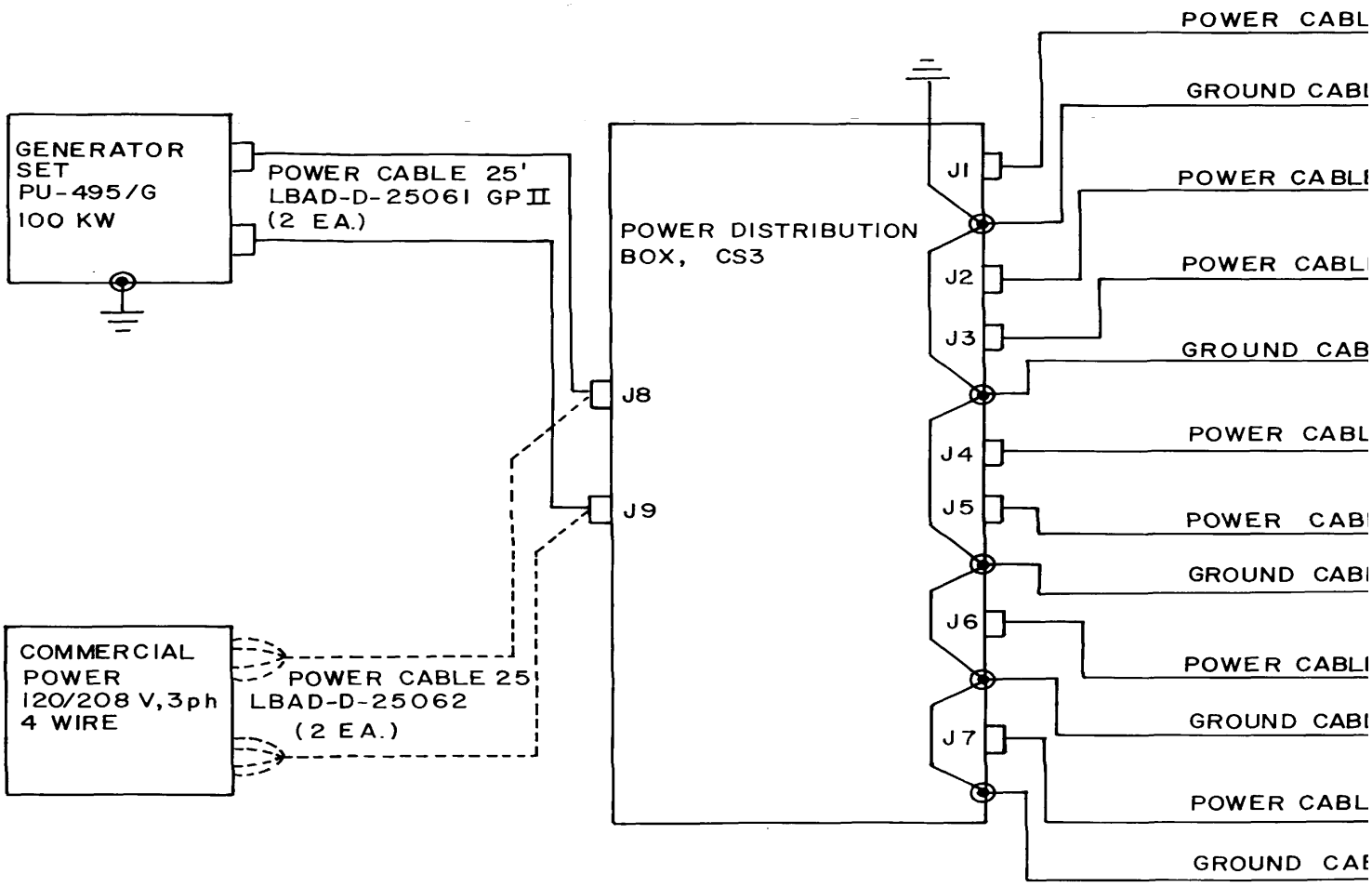
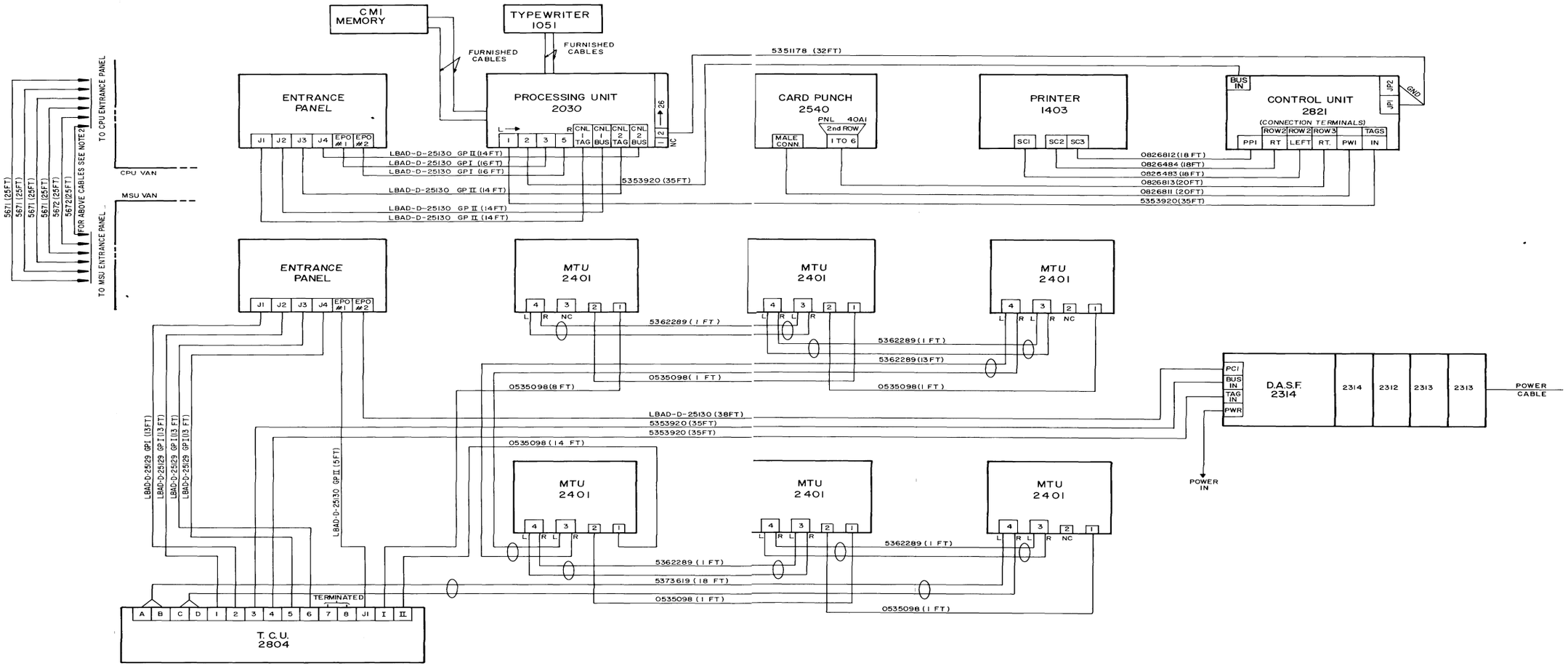


Figure FO-1. Cable Routing Diagram (Outside).



NOTE

1. LBAD-D-NUMBERS ARE LBAD DRAWING NUMBERS. ALL OTHER NUMBERS SHOWN ARE IBM PART NUMBERS, UNLESS OTHERWISE INDICATED IN NOTE 2.
2. AS SUPPLIED BY THE FIRST ELECTRONICS, DIVISION OF CHEMICAL CORP., BOSTON, MASS. OR EQUAL.

Figure. FO-2 Cable Running Diagram.

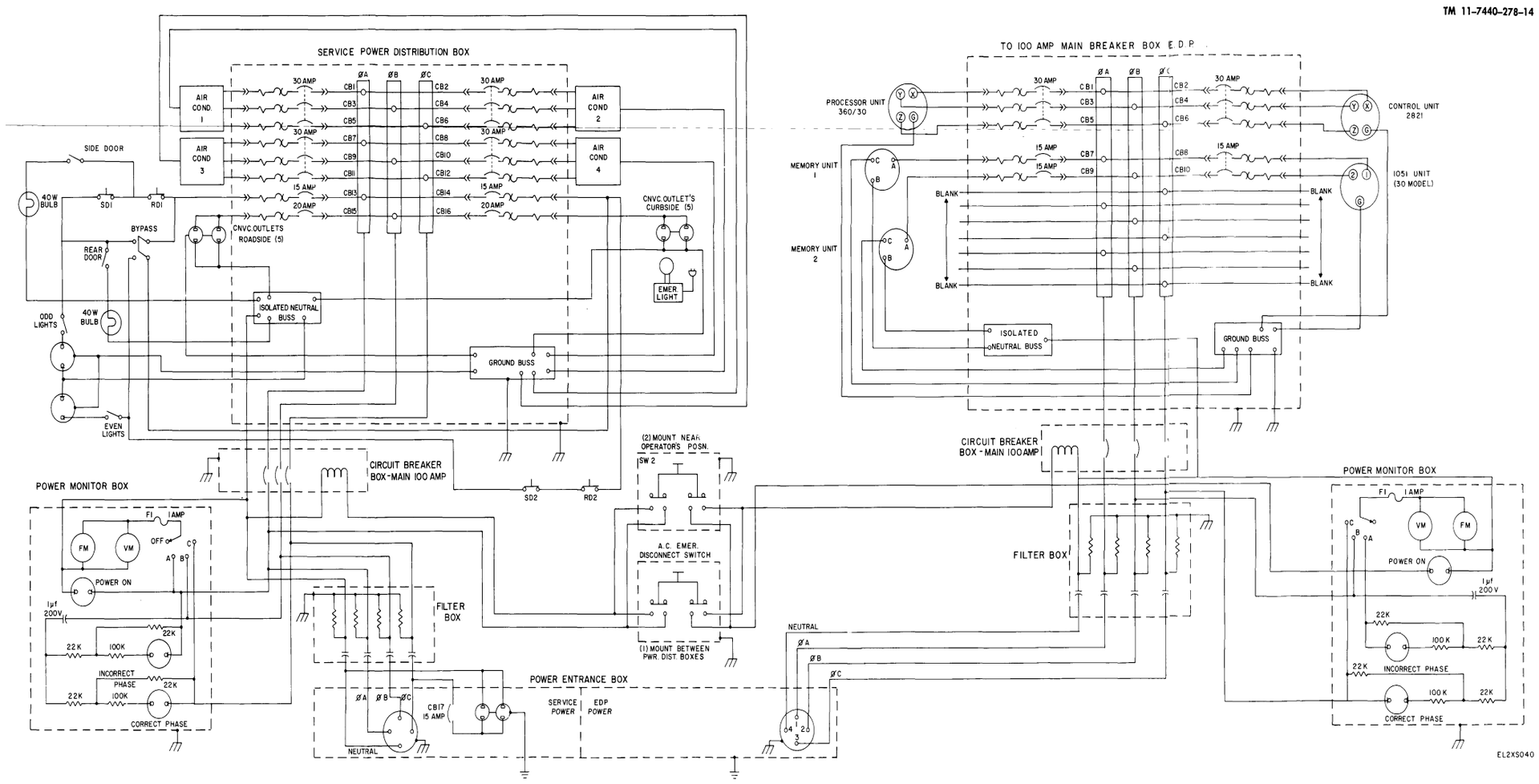


Figure FO-3. Data Analysis Central OL-88 (V)3/MYK-8(V) ADPE Power Distribution Schematic Diagram.

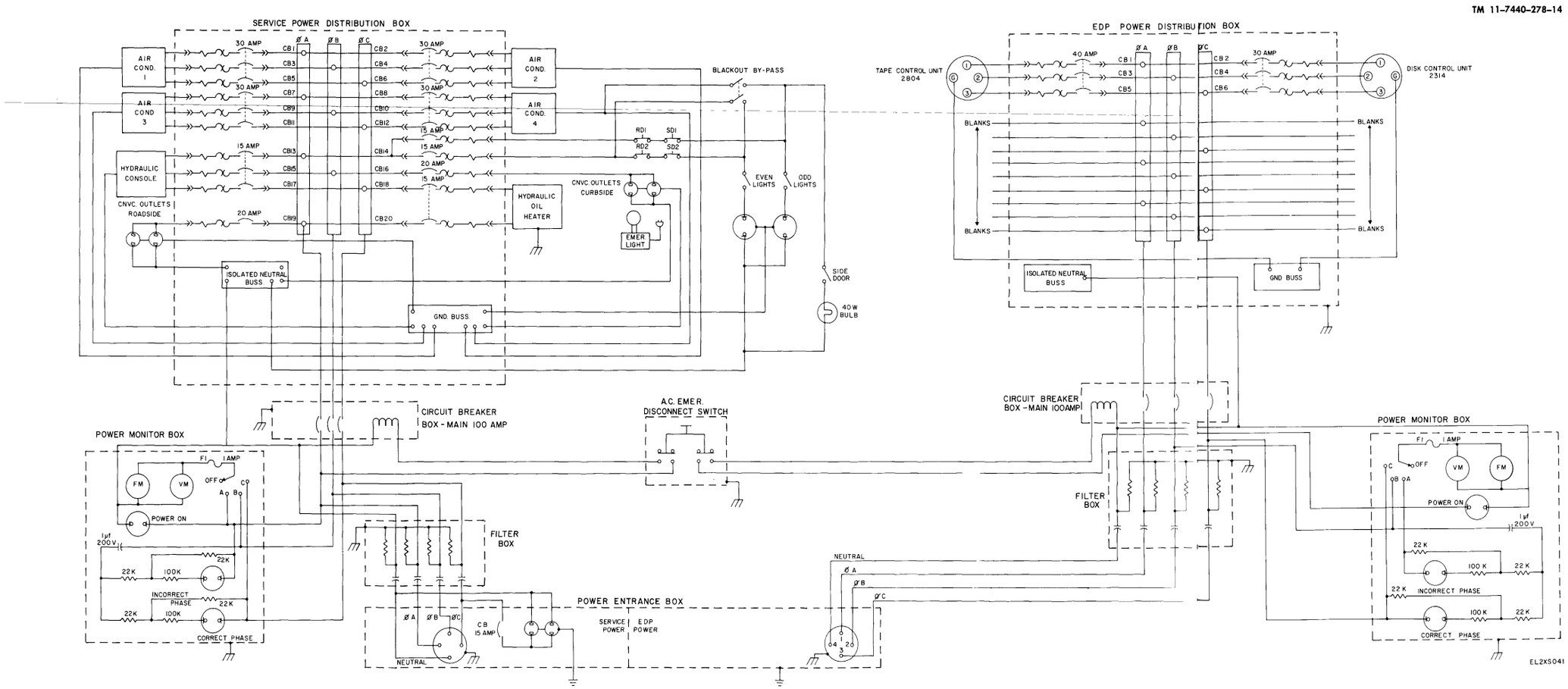


Figure FO-4. Data Storage Group OL-89(V)3/MYK-8(V) ADPE Power Distribution Schematic Diagram.

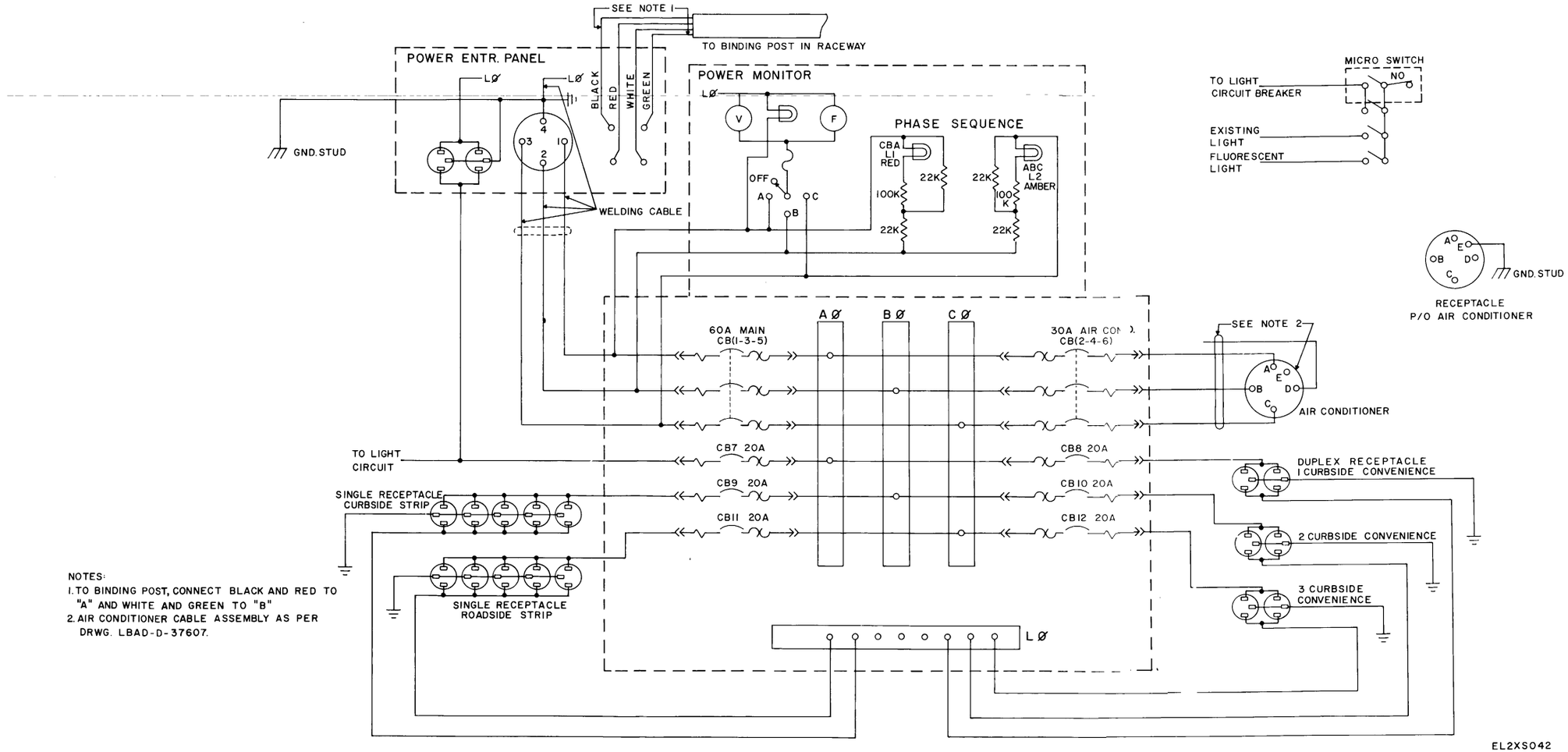


Figure FO-5. Data Support Facility, Mobile V-460/MYK-8(V)Power Distribution Schematic Diagram.

By Order of the Secretary of the Army:

E.C. Meyer
General, United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Brigadier General, United States Army
The Adjutant General

TEAR ALONG PERFORATED LINE

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

THEN. . JOT DOWN THE DOPE ABOUT IT ON THIS FORM, CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER	PUBLICATION DATE	PUBLICATION TITLE

BE EXACT. . .PIN-POINT WHERE IT IS

PAGE NO.	PARA-GRAPH	FIGURE NO	TABLE NO.

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

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

DA FORM 1 JUL 79 2028-2

PREVIOUS EDITIONS ▸ ARE OBSOLETE.

P.S.—IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.