TM 9-4940-551-14&P

TECHNICAL MANUAL

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

FOR

SHOP EQUIPMENT,
ELECTRICAL REPAIR, SEMITRAILER MOUNTED,
PART NUMBER 85236
(4940-01-150-3113)

Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY
OCTOBER 1987

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REPORTING OF ERRORS

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 the back of this manual direct to: Commander, US Army Armament, Munitions and Chemical Command, ATTN: AMSMC-MAS, Rock Island, IL 61299-6000. A reply will be furnished directly to you.

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INSTRUCTIONS FOR REQUISITIONING PARTS

NOT IDENTIFIED BY NATIONAL STOCK NUMBER (NSN)

When requisitioning parts not identified by NSN, the following information must be furnished to your supply officer:

- Manufacturer's/vendor's CAGE code (formerly FSCM) as listed herein.
- Manufacturer's/vendor's part number as listed herein.
- Nomenclature as listed herein.
- Manufacturer's/vendor' s company name (if available).
- Model number (if available) and/or serial number (if available) of end item.
- Any descriptive information such as type, frame number, dimensions, electrical characteristics, etc.

If DD Form 1348–6 is being used, fill in all applicable blocks including the following:

- CAGE code in card columns 8–12.
- Part number in card columns 13-22.
- The part manufacturer's/vendor's name (if available) in block 2.
- TM number (if applicable) in block 6 - TM 9-4940-551–14&P.
- Nomenclature in block 7.
- Descriptive information (if available) in block 8.
- End item manufacturer's name (if available) in block 9b.

  Davey Compressor Company
  11060 Kenwood Road
  Cincinnati, OH 45242

- End item model number (if available) in block 9c - PN 85236.
- End item serial number (if available) in block 9e.
- Any additional information in block 11.

CHAPTER 1
INTRODUCTION

Section I. GENERAL

1-1. SCOPE.

a. This manual is published for the use of the personnel to whom Shop Equipment, Electrical Repair, Semitrailer Mounted, Part Number 85236 is issued.

b. The manual provides information related to the contents of the shop equipment and the wiring diagrams (fig 1-1 and 1-2). For operating and maintenance instructions pertaining to the trailer and components other than the shop set contents covered in this publication, refer to appendix A.

1-2. MAINTENANCE FORMS AND RECORDS. Equipment maintenance forms and procedures for their use are contained in DA Pam 738-750, The Army Maintenance Management System (TAMMS).

1-3. ADMINISTRATIVE STORAGE. For information necessary to meet administrative storage requirements, refer to TM 9-2330-238-14&P.

1-4. EQUIPMENT SERVICEABILITY CRITERIA(ESC). There are no Equipment ServiceabilityCriteria (ESC) technical manuals in existence pertinent to the end item of equipment being covered in this publication.

1-5. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE. For procedures required to render this end item unusable by the enemy, refer to TM 750-244-3.

1-6. QUALITY ASSURANCE/QUALITY CONTROL (QA/QC).

a. Refer to MIL-STD-109 and MIL-M-38784 for QA/QC terms and definitions.

b. Refer to TM 9-2330-238-14&P for the applicable QA/QC requirements.

1-7. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIRs). If your shop set needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at Commander, U.S. Army Armament, Munitions and Chemical Command, ATTN: AMSMC-QAD, Rock Island, IL 61299-6000. We'll send you a reply.

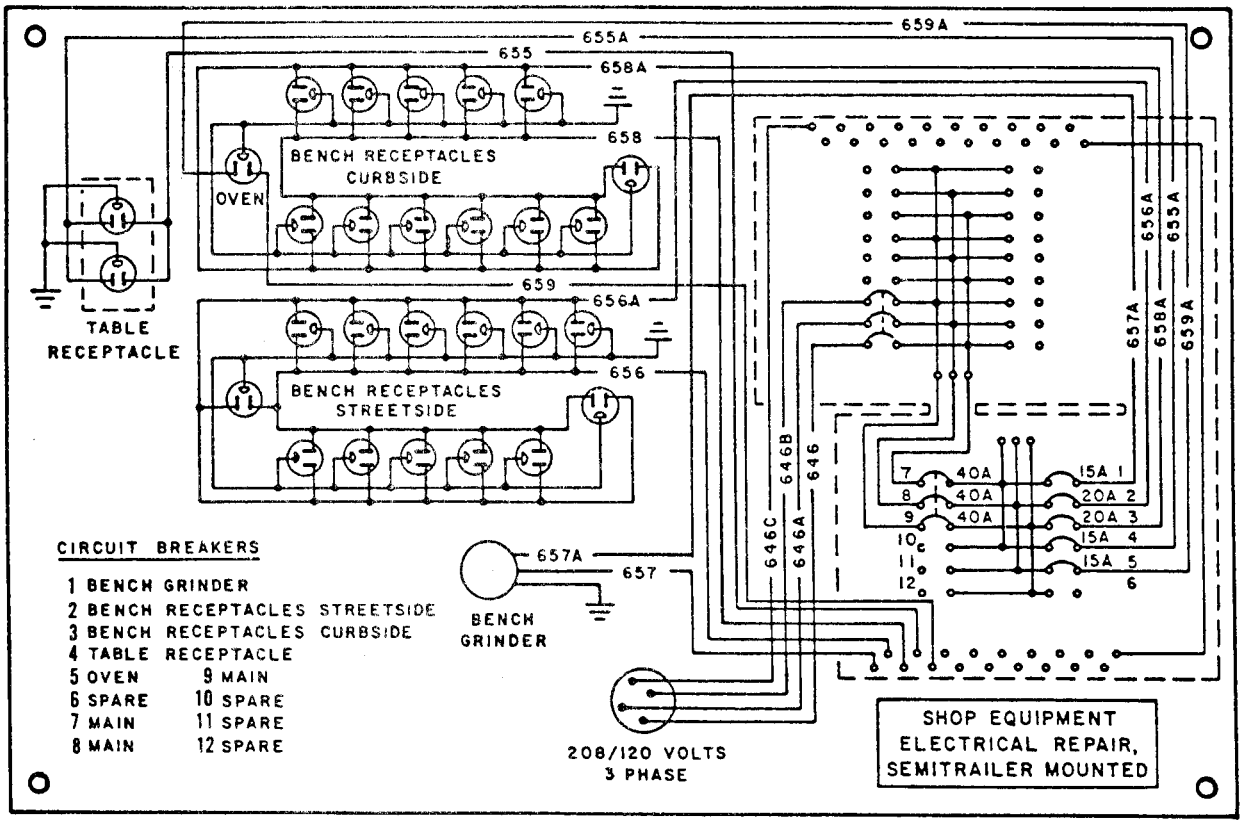
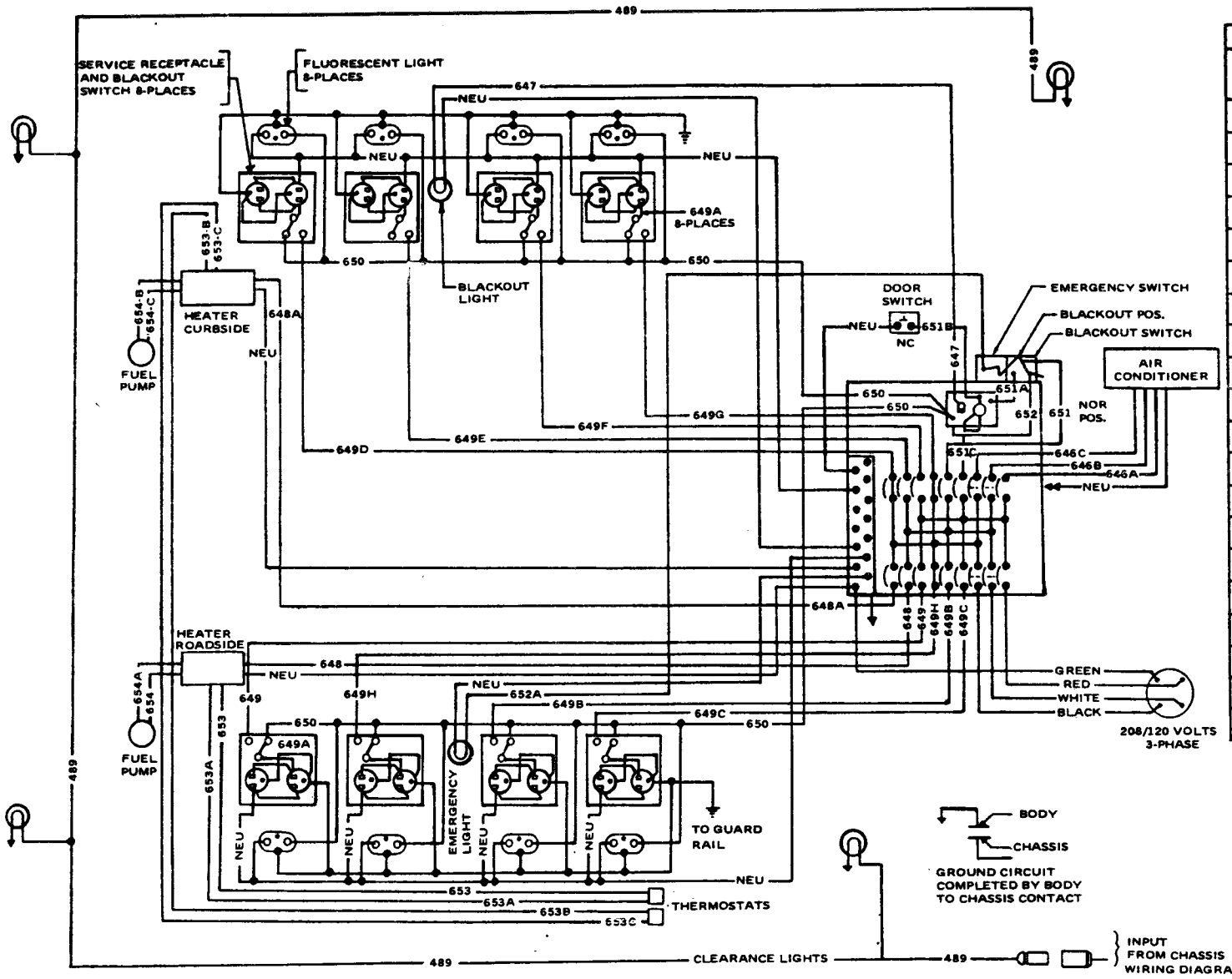


Figure 1-1. Workbench Wiring Diagram.



LEGEND	
CIRCUIT NO.	CIRCUIT NAME
489	SERVICE CLEARANCE
647	MAIN PANEL TO BLACKOUT LIGHT
648	MAIN PANEL TO LEFT HEATER
648A	MAIN PANEL TO RIGHT HEATER
649	MAIN PANEL TO RECEPTACLES
649A	3 WAY SWITCH TO RECEPTACLES
650	RELAY SWITCH TO LIGHT FIX. & RECEPT.
651	MAIN PANEL TO BLACKOUT SWITCH
651A	BLACKOUT SWITCH TO RELAY
651C	MAIN PANEL TO RELAY
652	RELAY TO BLACKOUT SWITCH
652A	EMER. LIGHT SWITCH TO EMER. LIGHT
653	LEFT HEATER TO THERMOSTAT
653A	LEFT HEATER TO THERMOSTAT
653B	RIGHT HEATER TO THERMOSTAT
653C	RIGHT HEATER TO THERMOSTAT
654	LEFT HEATER TO LEFT PUMP
654A	LEFT HEATER TO LEFT PUMP
654B	RIGHT HEATER TO RIGHT PUMP
654C	RIGHT HEATER TO RIGHT PUMP

Figure 1-2. Wiring Diagram.