

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TECHNICAL MANUAL

DIRECT SUPPORT, GENERAL SUPPORT

AND

DEPOT MAINTENANCE REPAIR PARTS

AND

SPECIAL TOOLS LISTS

WELDING MACHINE, ARC:

AC/DC, 300AMP TRANSFORMER RECTIFIER;

CONSTANT CURRENT, BASE MOUNTED

(EUTECTIC CORP. MODEL MD301 FED)

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REPAIR PARTS AND SPECIAL TOOL LIST

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TRANSFORMER RECTIFIER; CONSTANT CURRENT,
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SECTION I.

INTRODUCTION

1. Scope.

This manual lists repair parts, special tools, test and support equipment required for the performance of direct support, general support, and depot maintenance of the welding machine.

2. General

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

a. Repair Parts-Section II. A list, in figure and item number sequence, of repair parts authorized for the performance of maintenance at the direct support, general support, and depot level, including those items which must be removed for replacement of the authorized item. Items, except kits and sets, are listed by assembly groups in top down breakdown sequence. Repair parts kits and sets are listed separately, if applicable, at the end of the Repair Parts List without regard to the assembly group to which they belong, (components of the kits and sets are listed in their proper sequence in the assembly group to which they belong and are referenced to the FSN of the kit or set.

b). Special Tools, Test and Support Equipment-Section III.

Not applicable.

c. Federal Stock Number and Reference Number Index-Section IV. A list of Federal stock numbers in ascending numerical sequence followed by a list of reference numbers in ascending alpha-numeric sequence, cross-referenced to the illustration figure number and item number.

3. Explanation of Columns

The following provides an explanation of columns in the tabular lists in Sections II and III.

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

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

Code	Explanation
P	Repair Parts, Special Tools and Test Equipment supplied from GSA/ DSA, or Army supply system, and authorized for use at indicated maintenance categories.
P2	Repair Parts, Special Tools and Test Equipment which are procured and stocked for insurance purposes because the combat or military essentiality of the end item dictates that a minimum quantity be available in the supply system.

Code	Explanation
M	Repair Parts, Special Tools and Test Equipment which are not procured or stocked, as such, in the supply system but are to be manufactured at indicated maintenance levels.
A	Assemblies which are not procured or stocked as such, but are made up of two or more units. Such component units carry individual stock numbers and descriptions, are procured and stocked separately and can be assembled to form the required assembly at indicated maintenance categories.
X	Parts and assemblies that are not procured or stocked because the failure rate is normally below that of the applicable end item or component. The failure of such part or assembly should result in retirement of the end item from the supply system.
X1	Repair Parts which are not procured or stocked. The requirement for such items will be filled by the next higher assembly or component.
X2	Repair Parts, Special Tools and Test Equipment which are not stocked and have no foreseen mortality. The indicated maintenance category requiring such repair parts will attempt to obtain the parts through cannibalization or salvage, the item may be requisitioned with exception data, from the end item manager, for immediate use.
G	Major assemblies that are procured with PEMA funds for initial issue only as exchange assemblies at DSU [†] and GSU level. These assemblies will not be stocked above DS and GS level or returned to depot supply level.

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

Code	Explanation
C	Operator/Crew maintenance
O	Organizational maintenance
F	Direct Support maintenance
H	General Support maintenance
D	Depot maintenance

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