

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DIRECT AND GENERAL SUPPORT AND DEPOT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
WELDING MACHINE, ARC: GENERATOR; ELECTRIC MOTOR DRIVEN
AC 220V, 3 PHASE, 60HZ;
SINGLE OPERATOR; REMOTE CONTROL;
300 AMP DC ARC; WHEEL MTD, 4 WHEELS, STEEL TIRES
60 AMP AT 20V MIN, 375 AMP AT 40V MAX CURRENT
(LIBBY MODEL LA300)
FSN 3431-081-8059

TECHNICAL MANUAL

NO. 5-3431-207-35P

HEADQUARTERS
DEPARTMENT OF THE ARMY
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***The manual together with TM 5-3431-207-20P supersedes TM 5-3431-207-25P, 24 June 1963.**

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SECTION I INTRODUCTION

1. Scope

This manual lists repair parts required for the performance of direct support, general support, and depot maintenance of the welder.

2. General

a. The repair parts list is arranged as follows:

(1) Individual parts and major assemblies are listed alphabetically by item name within the numbered functional groups.

(2) Assembly components and subassemblies are indented and listed alphabetically by item name under major assemblies.

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

(1) *Repair Parts-Section II.* A list of repair parts authorized for the performance of maintenance at the direct support, general support, and depot level.

(2) *Special Tool, Test and Support Equipment-Section III.* A list of special tools, test and support equipment authorized for the performance of maintenance at the direct support, general support, and depot level (not applicable).

(3) *Federal Stock Number and Reference Number Index-Section IV.* A list of Federal stock numbers followed by reference numbers in ascending alpha-numeric sequence cross-referenced to index 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 Codes (SMR), Column (1).*

(1) Source Code, indicates the selection status and source for the listed item. Source codes used are:

Code	Explanation
P	Applied to repair parts which are stocked in or supplied from DSA/GSA or Army supply system, and authorized for use at indicated maintenance categories.
M	Applied to repair parts which are not procured or stocked but are to be MANUFACTURE at indicated maintenance categories.
A	Applied to assemblies which are not procured or stocked as such but made up of two or more units, each of which carry individual stock numbers and descriptions and are

Code	Explanation
	procured and stocked and can be assembled by units at indicated maintenance categories.
X	Applied to parts and assemblies which are not procured or stocked, the mortality of which is normally below that of the applicable end item, and the failure of which should result in retirement of the end item from the supply system.
X1	Applied to repair parts which are not procured or stocked. the requirement for which will be supplied by use of the next higher assembly or components.
X2	Applied to repair parts which are not stocked. The indicated maintenance category requiring such repair parts will attempt to obtain them through cannibalization: if not obtainable through cannibalization such repair parts will be requisitioned with supporting justification through normal supply channels
C	Applied to repair parts authorized for local procurements. If not obtainable from local procurement such repair parts will be requisitioned through normal supply channels with a supporting statement of non-availability from local procurement.
G	Applied to major assemblies that are procured with PEMA (Procurement Equipment Missile Army) funds for initial issue only to be used as exchange assemblies at DSU and GSU maintenance level. These assemblies will not be stocked above DSU and GSU level or returned to depot supply level.

Note

Source code is not shown on common hardware items known to be readily available in Army supply channels and through local procurement

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

Code	Explanation
O.....	Organizational maintenance
F.....	Direct support maintenance
H.....	General support maintenance
D.....	Depot maintenance

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

Code	Explanation
R	Applied to repair parts and assemblies which are economically repairable at DSU and GSU activities and normally are furnished by supply on an exchange basis.