

TM 5-3431-227-24P

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TECHNICAL MANUAL

ORGANIZATIONAL, DS, GS AND DEPOT

MAINTENANCE REPAIR PARTS

AND SPECIAL TOOLS LIST

WELDING SET, ARC

INERT GAS SHIELDED, AIR COOLED, METAL LINED

GUN FOR 3/64 IN. WIRE

(WESTINGHOUSE MODEL SA-136)

FSN 3431-121-5878

HEADQUARTERS,

DEPARTMENT

OF

THE

ARMY

7 JULY 1971

TECHNICAL MANUAL }
 No. 5-3431-227-24P }

HEADQUARTERS
 DEPARTMENT OF THE ARMY
 WASHINGTON, D. C., 7 July 1971

ORGANIZATIONAL, DS, GS, AND DEPOT
 MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

WELDING SET, ARC
 INERT GAS SHIELDED, AIR COOLED, METAL LINED
 GUN FOR 3/64 IN. WIRE
 (WESTINGHOUSE MODEL SA-136)

FSN 3431-121-5878

Current as of 24 June 1971

	Listing Page	Illustration Figure
SECTION I. INTRODUCTION	ii	
II. PRESCRIBED LOAD ALLOWANCE	1	
III. REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE	2	
Group 01. Control Monitor	2	
Control Assembly		1
Panel assembly		2
Contractor assembly		3
Load relay and capacitor		4
02. Welding Gun	6	
Gun assembly		5
Handle assembly		6
03. Gas Regulator	9	
Regulator		7
04. Miscellaneous Components	9	
Carrying case and cable		8
SECTION IV. SPECIAL TOOLS, TEST AND SUPPORT EQUIPMENT		
Not Applicable		
V. REPAIR PARTS FOR DS, GS AND DEPOT MAINTENANCE	10	
Group 01. Control Monitor	10	
Control assembly		1
Panel assembly		2
Contractor assembly		3
Load relay and capacitor		4
02. Welding Gun	16	
Gun Assembly		5
Handle assembly		6
03. Gas Regulator	19	
Regulator		7
04. Miscellaneous Components	19	
Carrying case and cable		8
SECTION VI. SPECIAL TOOLS, TEST AND SUPPORT EQUIPMENT		
Not Applicable		
VII. FEDERAL STOCK NUMBER AND REFERENCE NUMBER INDEX	28	

Section I.

INTRODUCTION

1. Scope

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

2. General

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

a. Prescribed Load Allowance (PLA)-Section II. A composite listing of repair parts, special tools, test and support equipment having quantitative allowances for initial stockage at the organizational level.

b. Repair Parts-Section III. A list, in figure and item number sequence, of repair parts authorized at the organizational level for the performance of maintenance, including those items which must be removed for replacement of the authorized item. Items, except kits and sets, are listed by assembly group in top down breakdown sequence.

c. Special Tools, Test and Support Equipment-Section IV. Not Applicable.

d. Repair Parts-Section V. A list, in figure and item number sequence, of the repair parts authorized for the performance of maintenance at the direct support, general support levels, including those items which must be removed for replacement of the authorized item. Items, except kits and sets, are listed by assembly group in top down breakdown sequence.

e. Special Tools, Test and Support Equipment-Section VI. Not Applicable.

f. Federal Stock Number and Reference Number Index-Section VII. A list of Federal Stock Numbers in ascending numerical sequence, followed by a list of reference numbers appearing in all listings, in ascending alpha-numeric sequence, cross-referenced to the illustration figure and item number.

NOTE

Items not illustrated are cross-referenced to assembly group number.

3. Explanation of Columns

The following provides an explanation of columns in the tabular lists in Sections II through VI.

a. Source, Maintenance, and Recoverability Codes (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 the 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.
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 the 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, Repair parts and special tools assigned Maintenance Code "C" may be stocked at the operator level of maintenance when authorized by the Unit Commander. The maintenance level codes are: