

TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT

MAINTENANCE REPAIR PARTS

AND SPECIAL TOOLS LISTS

(INCLUDING DEPOT MAINTENANCE REPAIR PARTS

AND SPECIAL TOOLS)

COMPRESSOR UNIT, RECIPROCATING,

POWER-DRIVEN, FLAMETHROWER,

3 1/2 CFM, AN-M4D

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HEADQUARTERS, DEPARTMENT OF THE ARMY

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TECHNICAL MANUAL

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 11 January 1972**Direct Support and General Support Maintenance****Repair Parts and Special Tools Lists****(Including Depot Maintenance Repair Parts and Special Tools)****COMPRESSOR UNIT, RECIPROCATING, POWER-DRIVEN,****FLAMETHROWER, 3 1/2 CFM, AN-M4D*****Current as of 2 June 1971***

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SECTION I INTRODUCTION

1. Scope

This manual lists repair parts required for the performance of direct support and general support maintenance of the Compressor, Reciprocating, Power-Driven, Flamethrower, 3 1/2 CFM, AN-M4D.

2. General

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

a. Repair Parts List - Section II. A list of repair parts authorized for the performance of maintenance at the direct support and general support level in figure and item number sequence.

b. Special Tools. Test and Support Equipment List - 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 section II, III, and IV:

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	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
P9	Assigned to items which are NSA design controlled: unique repair parts, special tools, test, measuring, and diagnostic equipment, which are stocked and supplied by the Army COMSEC Logistic System and which are not subject to the provisions of AR 380-41.
P10	Assigned to items which are NSA design controlled: special tools, test, measuring, and diagnostic equipment for COMSEC support, which are accountable under the provisions of AR 380-41, and which are stocked and supplied by the Army COMSEC Logistic 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 normal 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 s) stem.
X1	Repair parts which are not procured or stocked. The requirement for such item 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 direct support and general support level. These assemblies will not be stocked above the direct support and general support level or returned to depot supply level.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded X1.

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

Code	Explanation
C	Crew or operator
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, (assemblies and components), special tools, and test equipment which are considered economically reparable at direct and general support maintenance levels. When the Item is no longer economically reparable, It is normally disposed of at the general support level. When supply considerations dictate, some of these repair parts may be listed for automatic return to supply for depot level repair as set forth in AR 710-1. When so listed, they will be replaced by supply on an exchange basis.
S	Repair parts, special tools, test equipment, and assemblies which are economically reparable at DSU and GSU activities and which normally are furnished by supply on an exchange basis. When items are determined by a GSU to be uneconomically reparable, they will be evacuated to a depot for evaluation and analysis before final disposition.
T	Higher dollar value recoverable repair parts, special tools, and test equipment which are subject to special handling and are issued on an exchange basis. Such items will be repaired or overhauled at depot maintenance activities only. No repair may be accomplished at lower levels.
U	Repair parts, special tools, and test equipment specifically selected for salvage by reclamation units because of precious metal content, critical materials, high dollar value, or reusable casings or castings.
<i>b. Federal Stock Number, Column 2.</i> This column indicates the Federal stock number assigned to the item and will be used for requisitioning purposes. <i>c. Description, Column 3.</i> This column indicates the Federal item and any additional description of the item required. A part number or other reference number is followed by the applicable five-digit Federal supply code for manufacturers in parentheses. Repair parts quantities included in the kits, nets, and assemblies are shown in front of the repair part name. <i>d. Unit of Measure (U/M), Column 4.</i> A 2 character alphabetic abbreviation indicating the amount or quantity of the item upon which the allowances are based; e.g., ea, pr, it, yd, etc. <i>e. Quantity Incorporated in Unit Column, Column 5.</i> This column indicates the quantity of the item used in the functional group. A "V" appearing in this column in lieu of a quantity indicates that a definite quantity cannot be indicated (e.g. shims, spacers, etc.). <i>f. 30-Day DS/GS Maintenance Allowances, Columns 6 and 7.</i>	

NOTE

Allowances in GS column are for GS maintenance only.

(1) The allowance columns are divided into three subcolumns. Indicated in each subcolumn, opposite the first appearance of each item, is the total quantity of items authorized for the number of equipments supported. Subsequent appearances of the same item will have the letters "REF" in the applicable allowance columns. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

(2) The quantitative allowances for DS/GS levels of maintenance will represent initial stockage for a 30-day period for the number of equipments supported.

(3) Determination of the total quantity of parts required for maintenance of more than 100 of these equipments can be accomplished by converting the equipment quantity to a decimal factor by placing a decimal point before the next to last digit of the number to indicate hundredths, and multiplying the decimal factor by the parts quantity authorized in the 51-100 allowance column. Example, authorized allowance for 51-100 equipments is 40; for 150 equipments multiply 40 by 1.50 or 60 parts required.

g. 1-Year Allowance Per 100 Equipments/Contingency Planning Purposes, Column 8. This column indicates opposite the first appearance of each item the total quantity required for distribution and contingency planning purposes. The range of items indicates total quantities of all authorized items required to provide fur adequate support of 100 equipments for 1 year.

h. Illustration, Column 10. This column is divided as follows:

(1) *Figure Number, Column 10a.* Indicates the figure number of the illustration it, which the item is shown.

(2) *Item Number. Column 10b.* Indicates the callout number used to reference the item is the illustration.

4. Special Information

a. The following publications pertain to AN-M4D Flamethrower Compressor and its components:

LO 3-1040-263-12	Lubrication Order
TM 3-1040-263-12	Operator's and Organizational Maintenance Manual
TM 3-1040-263-20P	Organizational Maintenance Repair Parts and Special Tools List
TM 3-1040-263-34	Direct Support and General Support Maintenance Manual

b. Parts which require manufacture or assembly at a category higher than that authorized for installation will indicate in the source column the higher category.

5. How to Locate Repair Parts

a. When Federal stock number or reference number is unknown:

(1) *First.* Using the table of contents, determine the functional group or subgroup; i.e., canvas group, compressor group, within which the repair part belongs. This is necessary since illustrations are prepared for functional groups or subgroups, and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the functional group or subgroup to which the repair part belongs.

(3) *Third.* Identify the repair part on the illustration and note the illustration figure and item number of the repair part.

(4) *Fourth.* Using the repair parts listing, find the functional group or subgroup of the repair part and locate the illustration figure and item number of the repair part.

b. When Federal stock number or reference number is known:

(1) *First.* Using the Index of Federal Stock Numbers and Reference Numbers, find the pertinent FSN or reference number. This index is in ascending FSN sequence followed by a list of reference numbers in ascending alpha-numeric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* Using the repair part listing, find the functional group or subgroup of the repair part and the illustration figure and item number as noted in the Index of Federal Stock Numbers and Reference Numbers.

6. Abbreviations

<i>Abbreviation</i>	<i>Explanation</i>
cres	corrosion resistant
lg	long
c'shaft	crankshaft

7. Federal Supply Codes

<i>Federal supply codes</i>	<i>Manufacturers</i>
10001	Bureau of Naval Weapons
33525	Walter Kidde & Company, Inc., Belleville, N.J.
81361	Edgewood Arsenal, Edgewood Arsenal, Md. 21010
88044	Aeronautical Standards Group, Dept. of Navy and Air Force, Washington, D.C.
96906	Military Standards
97403.....	Engineer Research & Dev. Laboratory, Fort Belvoir, Va.

8. Recommendations for Maintenance Publications Improvements

You can improve this manual by recommending improvements using DA Form 2028 (Recommended Changes to Publications and Blank Forms) or a letter, and mailing directly to Commander, Edgewood Arsenal, ATTN: SAREA-DE-ET, Aberdeen Proving Ground, MD 21010. A reply will be furnished direct to you.