

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

Direct Support, General Support and Depot Maintenance Repair Parts

And Special Tools List

COMPRESSOR UNIT, RECIPROCATING, POWER-DRIVEN,

FLAMETHROWER, 3-1/2 CFM, AN-M4B

(STEWART-WARNER MODEL NO. 3260101-4)

(FSN 4310-848-6075)

AND

COMPRESSOR UNIT, RECIPROCATING, POWER-DRIVEN,

FLAMETHROWER, 3-1/2 CFM, AN-M4C

(STEWART-WARNER MODEL NO. 3260101-6)

(FSN 4310-078-5431)

Current as of March 1976

This copy is a reprint which includes current
page from Change 1.

HEADQUARTERS, DEPARTMENT OF THE ARMY

AUGUST 1970

TECHNICAL MANUAL }
No. 3-1040-244-35P }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D. C., 5 August 1970

**Direct Support, General Support and Depot Maintenance Repair Parts
And Special Tools List**

**COMPRESSOR UNIT, RECIPROCATING, POWER-DRIVEN,
FLAMETHROWER, 3-1/2 CFM, AN-M4B
(STEWART-WARNER MODEL NO. 3260101-4)
(FSN 4310-848-6075)**

AND

**COMPRESSOR UNIT, RECIPROCATING, POWER-DRIVEN,
FLAMETHROWER, 3-1/2 CFM, AN-M4C
(STEWART-WARNER MODEL NO. 3260101-6)
(FSN 4310-078-5431)**

Current as of March 1976

	<i>Paragraph</i>	<i>Page</i>
SECTION I. INTRODUCTION		
Scope -----	1	2
General -----	2	2
Explanation of Columns -----	3	2
Special Information -----	4	4
How to Locate Repair Parts -----	5	4
Abbreviations. -----	6	4
Federal Supply Codes for Manufacturers -----	7	4
Recommendations for Maintenance Publication Improvements -----	8	5
II. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE -----	---	6
Group 100. Canvas -----	---	6
Group 200. Water Separator -----	---	7
Group 300. Compressor Assembly -----	---	11
Group 400. Engine -----	---	28
Group 500. Frame and Fuel Tank -----	---	31
Group 600. Repair Kits -----	---	35
SECTION III SPECIAL TOOLS, TEST AND SUPPORT EQUIPMENT (NOT APPLICABLE)		

LIST OF ILLUSTRATIONS

<i>No.</i>	<i>Title</i>	<i>Page</i>
1	Cover assembly	37
2	Moisture separator	37
3	Separator section	37
4	Fan, aftercooler, and basic compressor	38
5	Air intake filter	39
6	Thirdstage	40
7	Second stage	41
8	First stage	42
9	Endbell connecting rod and shaft	43
10	Oil reservoir and breather	44
11	Engine and mounting bracket	45
12	Engine accessories	46
13	Frame and fuel tank	47

SECTION IV. FEDERAL STOCK NUMBER AND REFERENCE NUMBER
INDEX

48

***This manual supersedes TM 3-14224-35P, August 19, and TM 3-1040-2435P, January 19.**

SECTION I

INTRODUCTION

1. Scope

This manual lists repair parts, special tools, and special purpose test equipment required for the performance of direct support, general support, and depot maintenance of the AN-M4B and ANM4C Compressors.

2. General

This repair parts and special tools list is divided into the following sections:

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

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 alphanumeric 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 IV:

a. Source, Maintenance and Recoverability Codes (SMR) Column.

(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

Code	Explanation
	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.
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 DS and GS level. These assemblies will not be stocked above the DS and GS 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 the 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/operator Maintenance
O -----	Organizational Maintenance
F -----	Direct Support Maintenance
H -----	General Support Maintenance
D -----	Depot Maintenance

(3) Recoverability code indicates whether unserviceability 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 repairable at direct and general support maintenance levels. When the item is no longer economically repairable, it is normally disposed of at the GS 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 710-50. 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 repairable 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 repairable, 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.

b. Federal Stock Number Column. This column indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.

c. Description Column. This column indicates the Federal item name 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, sets, and assemblies are shown in front of the repair part name. Material required for manufacture or fabrication is identified.

d. Unit of Measure (U/M) Column. A 2 character alphabetic abbreviation indicating the amount or quantity of the item upon which the allowances are based, e.g., ft, ea, pr, etc.

e. Quantity Incorporated in Unit Column.

This column indicates the quantity of the item used in the functional group.

f. 30-day DS/GS Maintenance Allowance Column.

NOTE

Allowances in GS column are for GS maintenance only.

(1) The allowance columns are divided into three subcolumns. Indicates in each subcolumn, opposite the first appearance of each item, is the total quantity of items authorized for the number of equipments supported. Subsequent appearance of the same item will have the letters "REF" in the applicable allowances column. 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 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 Allowances Per 100 Equipments/Contingency Planning Purposes Column. 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 for adequate support of 100 equipments for one year.

h. Depot Maintenance Allowance Per 100 Equipments Column. This column indicates opposite the first appearance of each item, the total quantity authorized for depot maintenance of 100 equipments. Subsequent appearances of the same item will have the letters "REF" in the allowance column. Items authorized for use but not for initial stockage are identified with an asterisk in the allowance column.

i. Illustration Column. This column is divided as follows:

(1) Figure number column indicates the figure number of the illustration in which the item is shown.

(2) Item number column indicates the callout number used to reference the item in the illustration.

4. Special information

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

b. Identifications of the usable on codes include in column 3 of this publication are: Items that can be used on either model will not show a code.

Code	Used On
A-----	AN-M4C (3260101-6)
B-----	AN-M4B (3260101-4)

c. The following publications pertain to the AN-M4B and AN-M4C Compressors (Stewart-Warner Model Nos. 3260101-4 and 3260101-6).

TM 3-1040-224-12	Operator and Organizational Maintenance Manual (AN-M4B)
TM 3-1040-224-34	Direct Support General Support, Maintenance Manual (AN-M4B)
TM 3-1040-244-12	Operator and Organizational Maintenance Manual (AN-M4C)
TM 3-1040-244-20P	Organizational Maintenance Repair Parts and Special Tools List (AN-M4C)
TM 3-1040-244-34	Direct Support General Support, Maintenance Manual (AN-M4C)

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, i.e., moisture separator group, frame and fuel tank group, etc, within which the repair part belongs. This is necessary since illustrations are prepared for functional group of functional subgroups and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the functional group or functional 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 Part Listing, find the functional group or functional subgroup

to which the repair part belongs and locate the illustration figure and item number noted on the illustration.

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 Federal stock number or reference number. This index is in ascending FSN sequence followed by a list of reference numbers in ascending alphanumeric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* Using the Repair Part Listing, find the functional group or functional subgroup of the repair part and the illustration figure number and item number referenced in the index of Federal Stock Numbers and Reference Numbers.

6. Abbreviations

Abbreviation	Explanation
al-----	aluminum
a/r-----	as required
cfm-----	cubic feet per minute
c/o-----	consisting of
crs-----	corrosion resistant steel
dia-----	diameter
ext-----	external
h-----	high
hd-----	head
hex-----	hexagon
id-----	inside diameter
int-----	internal
lg-----	long
mm-----	millimeter
o/a-----	overall
od-----	outside diameter
pltd-----	plated
stl-----	steel
syn-----	synthetic
thd-----	thread
thk-----	thickness
u/w-----	used with
w-----	wide
w/o-----	without

7. Federal Supply Codes for Manufacturers

code	Manufacture
03038	Long-Lok Corp, 1425 Gateway East Bldg Los Angeles, Calif. 90067
07707	United Shoe Machinery Corp 510 River Rd Shelton, Conn. 06485
10001	Bureau of Naval Weapons Washington, D. C.
28968	Hoke, Inc 1 Tenakill Park Cresskill, N. J. 07626
33525	Kidde Walter and Co, Inc Belleville, N. J.