

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

**DIRECT SUPPORT AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS)
COMPRESSOR UNIT, RECIPROCATING, POWER-DRIVEN,
FLAMETHROWER, 3 1/2 CFM, AN-M4
FSN 1040-592-8560**

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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 AN-M4 compressor unit.

2. General

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

a. Repair Parts List-Section II. A list of repair parts authorized at the direct support, general support, and depot levels for the performance of maintenance.

The list also includes parts which must be removed for the replacement of the authorized parts. Parts list is composed of functional groups in ascending numerical sequence, with parts in each group listed in figure and item number sequence.

b. Special Tools List-Section III. Not applicable.

c. Federal Stock Number and Reference Number Index -Section IV.

A list in ascending numerical sequence, of all Federal stock numbers appearing in the listing, followed by a list in alphanumeric sequence, of all reference numbers appearing in the listings.

*This manual supersedes TM 3-1040-210-35P, 20 August 1963.

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

Federal stock numbers and reference numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

The following provides an explanation of columns found in the tabular listing:

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.
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.
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.

Code	Explanation
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 those coded X1 and aircraft support items as restricted by AR 700-42.

(2) *Maintenance code.* Indicates the lowest category of maintenance authorized to install the repair part and/or use the special tool or test equipment for each application. Capabilities of higher maintenance categories are considered equal or better. Maintenance 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 unserviceable items should be returned for recovery or salvage. Items not coded are nonrecoverable. 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 7101. 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.* Indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.

c. *Description.* Indicates the Federal item name

and a minimum description required to identify the item. The last line indicates the reference number followed by the applicable Federal Supply Code for Manufacturer (FSCM) in parentheses. The FSCM is used as an element in item identification to designate manufacturer or distributor or government agency, etc., and is identified in SB 70842. Items that are included in kits and sets are listed below the name of the kit or set with quantity of each item in the kit or set indicated in front of the item name.

d. *Unit of Measure (U/M)*. Indicates the standard or basic quantity by which the listed item is used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation, e.g., ea, in., pr, etc. and is the basis used to indicate quantities and allowances in subsequent columns. When the unit of measure differs from the unit of issue, that will satisfy the required units of measure will be requisitioned.

e. *Quantity Incorporated in Unit*. Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that no specific quantity is applicable, e.g., shims, spacers, etc.

f. *30-Day DS/GS Maintenance Allowances*.

(1) An asterisk (*) entered in the direct support (DS) and/or general support (GS) subcolumns indicates that the repair part is authorized for use at that level, and will be requisitioned on an "as required" basis.

(2) The repair parts authorized at the DS/ GS levels are for the maintenance mission at these levels.

(3) Requirements for repair parts stockage and for distribution to supported units will be based on demand and determined in accordance with AR 710-2.

g. *1-Year Allowance Per 100 Equipments/ Contingency Planning Purposes*. An asterisk (*) entered in this column indicates that the total quantity of the repair part required for distribution and contingency planning purposes will be based on demand data.

h. *Report Maintenance Allowance Per 100 Equipments*. An asterisk (*) entered in this column indicates that the repair part is authorized for use at the depot level, and will be requisitioned on an "as required" basis.

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

(1) *Figure number*. Indicates the figure number of the illustration on which the item is shown.

(2) *Item number*. Indicates the callout number

used to reference the item on the illustration.

4. Special Information

a. Action change codes indicated in the left-hand margin of the listing page denote the following:

N - indicates an added item

C - Indicates a change in data.

R - indicates a change in FSN only.

b. Repair parts kits appear as the last entries in the repair parts listing for the group or assembly to which they apply.

c. The following publications pertain to the AN-M4 compressor and its components:

LO 3-1040-210-10 Lubrication Order

TM 3-1040-210-12 Organizational Maintenance Manual

TM 3-1040-210-20P Organizational Maintenance Repair Parts and Special Tools List

TM 3-1040-210-34 Direct Support and General Support Maintenance Manual

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 within which the repair part belongs, i.e., Canvas, Water Separator. This is necessary since illustrations are prepared for functional groups, and listings are divided into the same groups.

(2) *Second*. Find the illustration covering the group 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 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.

(2) *Second*. Using the Repair Parts Listing, find the functional group 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

<i>Abbreviations</i>	<i>Explanation</i>
cres	corrosion resistant steel
syn	synthetic
pltd	plated
NPT.....	National Pipe Thread
HP	Horsepower
NF	National Fine

7. Reporting of Equipment Publication Improvements

The reporting of errors, omissions, and recommendations for improving this publication should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Commanding Officer Edgewood Arsenal, ATTN: SMUEA-DE-ETL, Edgewood Arsenal, MD. 21010.

Section II. REPAIR PARTS LIST

Action	(1)		(2)	(3)		(4)	(5)	(6)			(7)			(8)	(9)	(10)	
	SMR Code		Federal Stock No.	Description		Unit of Meas	Qty Inc in Unit	30-Day DS Maint Allowance			30-Day GS Maint Allowance			1-Yr alw per 100 equip cntgcy	Depot maint alw per 100 equip	Illustration	
								(a)	(b)	(c)	(a)	(b)	(c)			(a) Fig. No.	(b) Item No.
				Reference Number & Mfg Code	Usable on Code			1-20	21-50	51-100	1-20	21-50	51-100				
C	P	O	1040-083-2606	GROUP 100-CANVAS COVER ASSEMBLY, COMPRESSOR D68-13-1551 (81361)		ea	1	*	*	*	*	*	*	*	*	1	1
C	P	F	4730-203-3132	CLAMP, HOSE 2.625 in. to 3.062 id AN737TW98-114 (88044)		ea	1	*	*	*	*	*	*	*	*	1	2
C	P	O	5306-879-2800	BOLT, SHOULDER stl, hex hd, 1/4-28x .750 in. lg B81-1-6878 (81361),		ea	2	*	*	*	*	*	*	*	*	1	3
C	P	O	1040-083-2607	STRAP ASSEMBLY, SHOULDER, RIGHT B81-1-6878 (81361)		ea	2	*	*	*	*	*	*	*	*	1	4
C	P	O	1040-863-7451	STRAP ASSEMBLY, WAIST D81-1-6878 (81361)		ea	1	*	*	*	*	*	*	*	*	1	5
C	P	O	5310-880-5977	WASHER, FLAT CRES, 0.750 IN. DIA, 1 1/4 IN. bolt size MS15795-811 (96906)		ea	6	*	*	*	*	*	*	*	*	1	6
C	P	O	5310-982-4988	NUT, HEXAGON stl, 1/4-28 in. MS21045C4 (96906)		ea	6	*	*	*	*	*	*	*	*	1	7
C	P	O	1040-093-2614	HARNES, BACK REST D68-13-1570-(81361)		ea	1	*	*	*	*	*	*	*	*	1	8
C	P	O	4020-233-6555	CORD, COTTON Type I or II, Class 2, Size 4, 8 strands, green MIL-C-2533 (81349)		ft	5	*	*	*	*	*	*	*	*	1	9
C	P	O	1040-083-2608	STRAP, ASSEMBLY, SHOULDER, LEFT D81-1-6872-1 (81361)		ea	1	*	*	*	*	*	*	*	*	1	10
C	P	F	1040-083-2615	GROUP 200 - WATER SEPARATOR SEPARATOR ASSEMBLY, WATER D68-13-1545 (81361)		ea	1	*	*	*	*	*	*	*	*	2	
C	X2	H		BAFFLE, ASSEMBLY 873561 (33525)		ea	1									2	1
C	P	F	R	4820-977-7664	VALVE, RELIEF 873738-2250 (33525)	ea	1	*	*	*	*	*	*	*	*	2	2
C	X1	H		VALVE, COVER 242683-2A (33525)			1									2	2A

Action	(1)		(2)	(3)		(4)	(5)	(6)			(7)			(8)	(9)	(10)		
	SMR Code		Federal Stock No.	Description		Unit of Meas	Qty Inc in Unit	30-Day DS Maint Allowance			30-Day GS Maint Allowance			1-Yr alw per 100 equip cntgcy	Depot maint alw per 100 equip	Illustration		
								(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) Fig. No.	(b) Item No.	
				Reference Number & Mfg Code	Usable on Code													
C	X1	H		SPRING, MAIN 208298 (33525)		1		See Kit 10	40-972	2823						2	3	
C	X1	H		RETAINER 242668WA (33526)		1											2	3A
C	X1	H		BALL 81515 (33525)		1		See Kit 10	40-972	2828							2	4
C	X1	H		PLUNGER 242667-4A (33625)		1											2	4A
C	X1	H		PACKING, PREFORMED 5302-0100 (33525)		1		See Kit 10	40-972	2323							2	5
C	X1	H		NUT, LOCK 242644-5A (33525)		1											2	5A
C	X1	H		UNION 242662-5B (33525)		1											2	5B
C	X1	H		SEAT 208290 (33525)		1		See Kit 10	40-972	2323							2	6
C	X1	H		SPRING, SEAT 211730 (33525)		1		See Kit 10	40-972	2323							2	7
C	X1	H		PACKING, PREFORMED 5302 0909- (33525)		1		See Kit 10	40-972	2223							2	8
C	X1	H		FITTING 208287 (33526)		1		See Kit 10	40-972	2323							2	9
C	X1	H		SEAL, LOCKWIRE 211793 (33625)		2		See Kit 10	40-972	2323							2	10
C	X1	H		LOCKWIRE MS20995C32 (96906)		2		See Kit 10	40-972	2323							2	11
C	P	F		5330-531-2070	PACKING, PREFORMED syn rubber, 0.365 in. dia hole NAS617-4 (80205) NAS617-4 (80205)		ea	3	*	*	*	*	*	*	*	*	2	12
C	P	F		4780-977-7663	ADAPTER 213356 (33525)		ea	1	*	*	*	*	*	*	*	*	2	13
C	P	H		1040-083-2618	CAP, TANK, SEPARATOR, WATER 272258 (33525)		ea	1	*	*	*	*	*	*	*	*	2	14
C	X2	H			SCREW, TAPPING, THREAD FORMING MS24621-2 (96906)		ea	2									2	15
C	X2	H		PLATE, IDENTIFICATION 243595 (33525)		ea	1									2	16	
C	P	F	5310-275-3683	WASHER, LOCK stl, 0.795 In. dia hole, 1.260 od		ea	1	*	*	*	*	*	*	*	*	2	17	