

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS

AND SPECIAL TOOLS LISTS

COMPRESSOR, RECIPROCATING, AIR,

WHEEL MOUNTED, 2 WHEEL, PNEUMATIC TIRES,

GED, 4 CFM, 3000 PSI

(WALTER KIDDE MODEL 893811)

FSN 4310-997-6004



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SECTION I

INTRODUCTION

1. Scope

This manual lists repair parts and special tools, required for the performance of organizational maintenance of the compressor.

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 the 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 of repair parts authorized for the performance of maintenance at the organizational level in figure and item number sequence.

c. Special Tools, Test and Support Equipment - Section IV. (Not applicable).

d. Federal Stock Number and Reference Number Index-Section V. 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 sections II, III, and IV.

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

Note

Common hardware items known to be readily available in Army supply channels are assigned Maintenance codes only. Source codes, Recoverability codes, and Maintenance Allowances are not assigned this category.

(1) Source code, indicates the selection status and source for the listed item. Source codes 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.
P2	Applied to repair parts 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.

Code Explanation

- M Applied to repair parts which are not procured or stocked but are to be manufactured at indicated maintenance categories.
- A Applied to assemblies which are not procured or stocked as such but are made up of two or more units, each of which carry individual stock numbers and descriptions and are 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 normally is 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 component.
- 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 procurement. If not obtainable from local procurement, such repair parts will be requisitioned through normal supply channels with a supporting statement of nonavailability 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.

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

Code	Explanation
O	Organizational 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

Code	Explanation
	are economically repairable at DSU and GSU activities and are normally furnished by supply on an exchange basis.
S	Applied to repair parts 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	Applied to high dollar value recoverable repair parts which are subject to special handling and are issued on an exchange basis. Such repair parts are normally repaired or overhauled at depot maintenance activities.
U	Applied to repair parts specifically selected for salvage by reclamation units because of precious metal content, critical materials, high dollar value reusable casings or castings.
	<i>b. Federal Stock Number.</i> This column indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.
	<i>c. Description.</i> This column indicates the Federal item name and any additional description of the item required. The abbreviation "w/e", when used as a part of the nomenclature, indicates the Federal stock number includes all armament, equipment, accessories, and repair parts issued with the item. 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 kits, sets, and assemblies are shown in front of the repair part name. The physical security classification of the item is indicated by the parenthetical entry. Material required for manufacture or fabrication is identified.
	<i>d. Unit of Measure (U/M).</i> A two-character alphabetic abbreviation indicating the amount or quantity of the item upon which the allowances are based, e.g., ft, ea, pr, etc.
	<i>e. Quantity Incorporated in Unit.</i> This column indicates the quantity of the item used. 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. Fifteen-Day Organizational Maintenance Allowance, Column (3) of Section II and Column (6) of Sections III and IV.</i>

(1) The allowance columns are divided into four subcolumns. Indicated on 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 allowance column.

(2) The quantitative allowances for organizational level of maintenance represents one initial prescribed load for a 15-day period for the number of equipments supported. Units and organizations authorized additional prescribed loads will multiply the number of prescribed loads authorized by the quantity of repair parts reflected in the density column applicable to the number of items supported to obtain the total quantity of repair parts authorized.

(3) Organizational units providing maintenance for more than 100 of these equipments shall determine the total quantity of parts required 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.

(4) Subsequent changes to allowances will be limited as follows: No change in the range of items is authorized. If additional items are considered necessary, recommendation should be forwarded to U. S. Army Mobility Equipment Command for exception or revision to the allowance list. Revisions to the range of items authorized will be made by the U. S. Army Mobility Equipment Command based upon engineering experience, demand data, or TAERS information.

g. Illustration. This column is divided as follows:

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

(2) *Item number.* Indicates the callout number used to reference the item in the illustration.

4. Special Information

a. Repair parts mortality has been based on 1000 hours of operation per year.

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.

c. For end items authorized mandatory stockage of repair parts by the Department of the Army, on a case by case basis, the mandatory stockage items are indicated by a plus "+" sign as the first character in the end item density column of both the Repair Parts List and the Prescribed Load Allowance for each such authorized allowance quantity.

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

N— Indicates an added item not included in previous publications.

C— Indicates a change in data.

F— Indicates a change in FSN only.

e. The following publications pertain to the Compressor and its components:

TM 5-2805-257-14	Organizational, DS and GS Maintenance Manual (Including ,Repair Parts and Special Tools List)
TM 5-4310-B35-15	Operator, Organizational Field and Depot Maintenance Manual
TM 5-4310-335-35P	Direct and General Support and Depot Maintenance Repair Parts and Special Tools
LO 5-4310-335-12	Lubrication Order

f. The illustrations in this manual are identical to those published in the -35P. The -35P illustrations are given for a better understanding of the parts relationship; however, only those parts assigned a maintenance code "O" are listed in the tabular portion and only these parts are authorized for requisitioning from this 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, functional subgroup, or assembly group, i. e., engine, engine assembly, transmission, transmission assembly, within which the repair part belongs. This is necessary since illustrations are prepared for functional groups, functional subgroups, or assembly groups, and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the functional group, functional subgroup, or assembly 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, functional subgroup, or assembly group to which the repair part belongs and locate the illustration figure and item number noted on the illustration.

b. *When the 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 alphanumeric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* Using the repair part listing, find the functional group, functional subgroup, or assembly 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

dia.....	diameter
in.....	inch (inches)
id.....	inside diameter
mtg.....	mounting
od.....	outside diameter
thk.....	thick (thickness)
thd.....	thread

7. Federal Supply Codes for Manufacturers

Code	Explanation
00624.....	Aeroquip Corp. Aircraft Div. Jackson Plant, Jackson, Mich.
01989.....	Weatherhead Co., Antwerp, Ohio
03681.....	Rowco Mfg. Co., Inc. Keene N. H.
04633.....	Minnesota Mining and Mfg. Co. Adhesives Coatings and Sealers Div. Los Angeles, Calif.
05662.....	Barbour-Stockwell Instruments Div. of Curtis and Marble Machine Co. Worcester, Mass.
06848.....	Bendix Corp. The Bendix Products Aerospace Division, South Bend, Inc.
09094.....	Waldick Aero-Space Devices, Inc. Huntington Station, L. I., N. Y.
09505.....	Imperial-Eastman Corp. Canada Ltd. Barrie, Ontario, Canada.
28968.....	Hoke Inc., Tenakill Park, Cresskill, N. J.
33525.....	Kidde, Walter and Co., Belleville, N. J.
39481.....	Mead Specialties Co., Chicago, Ill.
5793.....	Saginaw Products Corp., Saginaw, Mich.
56878.....	Standard Pressed Steel Co., Jenkinbown, Pa.
58553.....	Superior Valve and Fittings Co., Pittsburgh, Pa.
59730.....	Thomas and Betts Co., Elizabeth, N. J.
60038.....	Timken Roller Bearing Co., Canton, Ohio
72100.....	Marshalltown Mfg. Co. Dial Thermometer Division, Marshalltown, Iowa
79470.....	Weatherhead Co., The, Cleveland, Ohio
81349.....	Military Specifications Promulgated by Standardization Div. of Directorate of Logistic Services
81361.....	Edgewood Arsenal, Edgewood, Md.
88930.....	Adel Products Division Huntington Plant, Huntington, W. Va.
84971.....	T A Mfg. Co.; Los Angeles, Calif.
88044.....	Aeronautical Standards Group Dept. of Navy and Air Force