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DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL, DIRECT AND GENERAL SUPPORT
AND DEPOT MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LIST

COMPRESSOR, RECIPROCATING, G.E.D., WHEEL MTD,
PNEUMATIC TIRES, W/TOWBAR,
LUNETTE EYE, 4 CFM, 3000 PSI
(STEWART-WARNER MODEL 43040-301-01)
FSN 4310-878-7969



HEADQUARTERS, DEPARTMENT OF THE ARMY

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HEADQUARTERS
 DEPARTMENT OF THE ARMY
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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 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 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. *Repair Parts—Section V.* 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.

e. *Special Tool, 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 of the listings in alphanumeric sequence, cross-referenced to the illustration figure number 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).*

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 used are:

Code	Explanation
P	Repair parts which are stocked in or supplied from the GSA/DSA or Army supply system, and authorized for use at indicated maintenance categories.
M	Repair parts which are not procured or stocked, 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 which are not procured or stocked and the mortality of which normally is 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 use of the next higher assembly or component.
X2	Repair parts which are not stocked, The indicated maintenance category requiring such repair parts will attempt to obtain them through cannibalization. Where such repair parts are not obtainable through cannibalization, requirements will be requisitioned, with accompanying justification, through normal supply channels.
G	Major assemblies that are procured with PEMA funds for initial issue only as exchange assemblies at DSU and GSU level. The assemblies will not be stocked above GS and DS level or returned to depot supply level.

(2) *Maintenance code.* Indicates the lowest category of maintenance authorized to install the listed item. The maintenance codes are:

Cede	Explanation
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	Repair parts (assemblies and components) which are considered economically reparable at direct and general support maintenance levels. When the maintenance capability to repair these items does not exist, they are 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 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	High dollar value recoverable repair parts which are subject to special handling and are issued on an exchange basis. Such repair parts normally are repaired or overhauled at depot maintenance activities.
U	Repair parts specifically selected for salvage by reclamation units because of precious metal content, critical materials, or high dollar value 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 any additional description of the item required. Assembly components and subassemblies are indented under major assemblies. 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 5-digit Federal supply code for manufacturers, in parentheses. Repair parts quantities included in kits and sets are shown in front of the repair part name. Material required for manufacture or fabrication is identified.

d. Unit of Measure (U/M). A two-character 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. Indicates the quantity of the item used in the assembly group.

"V" appearing in this column in lieu of a quantity indicates that a definite quantity cannot be indicated (e.g., shims, spacers, etc.)

f. Fifteen-Day Organizational Maintenance Allowance.

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

(2) The quantitative allowance for organizational level of maintenance represents one initial prescribed load for a 15-day period for the number of equipments supported. Units authorized additional prescribed loads will multiply the number of prescribed loads by the quantity in the appropriate density column to determine the number of repair parts authorized.

(3) To determine allowances when supporting more than 100 of these equipments: First, divide the number of equipments supported by 100 by moving the decimal two spaces left; second, multiply the result by the quantity in the 51-100 density column. Example, authorized allowance for 51-100 equipments is 12; for 140 equipments, multiply 12 by 1.40 or 16.80 rounded off to 17 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 the 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. Thirty-Day DS/GS Maintenance Allowances.

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 column. To locate the referenced item, locate the FSN or reference number in the index. The earliest figure and item number is the referenced item. 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) To determine allowances when supporting more than 100 of these equipments: First, divide the number of equipments supported by 100 by moving the decimal two spaces left; second, multiply the result by the quantity in the 51-100 density column. Example, authorized allowance for 51-100 equipments is 40; for 150 equipments, multiply 40 by 1.50 or 60 parts required.

h. One-Year Allowance Per 100 Equipments/Contingency Planning Purposes. 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. Subsequent appearances of the same item will have the letters "REF" in the allowance column.

i. Depot Maintenance Allowance Per 100 Equipments. 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 as required but not for initial stockage are identified with an asterisk in the allowance column.

j. 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 1200 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. The following publications pertain to the compressor and its components:

TM 5-4310-275-15	Operator, Organizational, Direct and General Support and Depot Maintenance Manual
LO 5-4310-275-12	Lubrication Order

d. The same illustrations are used to illustrate the repair parts and special tools listed in both organizational maintenance section and direct and general support and depot maintenance section.

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 assembly group within which the repair part belongs. This is necessary, since illustrations are prepared for assembly groups, and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the 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 assembly 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 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 Parts Listing, find the 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.

c. When the Federal stock number or reference number is known and the repair part is not illustrated:

(1) *First.* Using the Index of Federal Stock Numbers and Reference Numbers, find the pertinent Federal stock number or reference number