

TECHNICAL MANUAL

ORGANIZATIONAL, INDIRECT SUPPORT AND GENERAL
SUPPORT MAINTENANCE REPAIR PARTS AND
SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE
;REPAIR PARTS AND SPECIAL TOOLS)

COMPRESSOR, RECIPROCATING: AIR,
POWER DRIVEN, 5 CFM, 175 PSI
(CHAMPION MODEL NO. HR2-3M-1)
FSN 4310-75'2-9511

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Current as of 17 October 1972**

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SECTION I.

INTRODUCTION

1. Scope

a. 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.

. Repair parts listed represent those authorized for use at indicated maintenance levels and will be requisitioned on an "as required" basis until stockage is justified by demand in accordance with AR 7.10-2.

2. General

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

. *Prescribed Load Allowance List-Section II* (Not Applicable).

. *Repair Parts List-Section III* A list of repair parts authorized at the organizational level or the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of assembly groups in ascending numerical sequence, with the parts in each group listed in figure and item number sequence.

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

d. *Repair Parts List-Section V* 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 are composed of assembly groups in ascending numerical sequence, with parts in each group listed in figure and item number sequence.

e. *Special Tools, Test and Support Equipment-Section VI* (Not Applicable).

f. *Federal Stock Number and Reference Number Index-Section VII* A list, in ascending numerical sequence, of all Federal stock numbers appearing in the listings, followed by a list, in alpha-numeric sequence, of all reference numbers appearing in the listings. Federal stock number and reference numbers are cross-referenced to each illustration figure and/or item number appearance.

3. Explanation of Columns

The following provides an explanation of columns found in the tabular listings in sections III through VI

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 levels.
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.

<i>Code</i>	<i>Explanation</i>
	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 level 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 those coded X,1 and aircraft support items as restricted by AR 7042.

(2) Maintenance code indicates the lowest level of maintenance authorized to install the repair part and/or use the special tool or test equipment for each application. Capabilities of higher maintenance levels are considered equal or better. Maintenance codes are:

<i>Code</i>	<i>Explanation</i>
C	Crew/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 nonrecoverable. Recoverability codes are:

<i>Code</i>	<i>Explanation</i>
R	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 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 reparable at DS and GS activities and which normally are furnished by supply on an exchange basis.

When items are determined by a G'SU 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, 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 70,8-42. 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.

e. *Quantity Incorporated in Unit.* This column indicates the quantity of the item used in the assembly 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.).

f. *Fifteen-Day Organizational Maintenance Allowances.*

(1) Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

(2) The allowance columns are divided into four subcolumns. Indicated in each subcolumn is the total quantity of special tools authorized for the number -of equipments supported. (Not Applicable).

g. *Thirty-Day DS/GS Maintenance Allowance.*

(1) Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

(2) The allowance columns are divided into three subcolumns. The quantitative allowance of