

TECHNICAL MANUAL
ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL
SUPPORT MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LISTS (INCLUDING DEPOT
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)

COMPRESSOR, AIR, RECIPROCATING,
ELECTRIC MOTOR DRIVEN,
RECEIVER MOUNTED, 2HP, 5CFM, 175PSI
INGERSOLL-RAND MODEL 234C2
FSN 4310-155-7101

HEADQUARTERS, DEPARTMENT OF THE ARMY
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HEADQUARTERS
 DEPARTMENT OF THE ARMY
 Washington, D.C., 19 October, 1973

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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 air compressor.

b. 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 710-2.

2. General

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

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

b. *Repair Parts List-Section III.* A list of repair parts authorized at the organizational level for 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.* A list of special tools, test and support equipment authorized for the performance of maintenance at the organizational level. ("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 lists 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.* A list of special tools, test and support equipment authorized for the performance of maintenance at the direct support, general support, and depot levels. (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 tabulated listings in Sections III through VII.

a. *Source, Maintenance, and Recoverability Codes (SMR).* The SMR code is a five letter code composed of three parts consisting of a two (2) position source code, a two (2) position maintenance code, and a one (1) position recoverability code. Support items listed in this RPSTL assigned maintenance and recoverability codes and no source code can be requisitioned, with justification, through normal supply channels by use of the manufacturer's code and part number. Such support items are NOT normally stocked.

(1) *Source code.* Indicates the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions as follows:

Code	Definition
PA	Item procured and stocked for anticipated or known usage.
PB	Item procured and stocked for insurance purposes because essentiality dictates that a minimum quantity be available in the supply system.
PC	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
PD	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. NOT subject to automatic replenishment.
PE	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF	Support equipment which will not be stocked but which will be centrally procured on demand.
PG	Item procured and stocked to provide for sustained support for life of the equipment. It is applied to an item peculiar to the equipment which, because of probable discontinuance or shutdown of production facilities, would prove uneconomical to reproduce at a later date.
KD	An item of depot overhaul/repair kit and not purchased separately.
KF	An item of a maintenance kit and not purchased separately.
KB	Item included in both a depot overhaul/repair kit and a maintenance kit.
MO	Item to be manufactured or fabricated at organizational level.
MF	Item to be manufactured or fabricated at direct support maintenance level.
MH	Item to be manufactured or fabricated at general maintenance support level.
MD	Item to be manufactured or fabricated at depot maintenance level.

Code	Definition
AO	Item to be assembled at organizational level.
AF	Item to be assembled at direct support maintenance level.
AH	Item to be assembled at general support maintenance level.
AD	Item to be assembled at depot maintenance level.
XA	Item is NOT procured or stocked because the requirements for the item will result in replacement of the next higher assembly.
XB	Item NOT procured or stocked. If not available through field service drawing that is identified by manufacturer's part number.
XD	A low mortality item that is not stocked. When required, items will be requested and provided through normal supply channels.

NOTE

Cannibalization or salvage may be used as a source of supply for any items coded above except those coded XA and support items restricted by AR 700-42.

(2) *Maintenance code.* The maintenance code entered in the *third* position indicates the lowest maintenance level authorized to remove, replace, and use the item. The maintenance code entered in the *fourth* position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). When a maintenance code is not used in the *fourth* position, a dash (-) will be entered.

Code	Application/Explanation
O	Item is removed, replaced, used (third position), or complete repair (fourth position) at the organizational level.
F	Item is removed, replaced, used (third position), or complete repair (fourth position) at the direct support maintenance level.
H	Item is removed, replaced, used (third position) or complete repair (fourth position) at the general support maintenance level.
D	Item is removed, replaced, used (third position) or complete repair (fourth position) at the depot maintenance level.
L	Repair restricted to designated specialized repair activity (fourth position).
Z	Non-repairable. No repairs authorized (fourth position).
B	No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special tools are procured for maintenance of this item (fourth position).

(3) *Recoverability code.* The recoverability code entered in the fifth position indicates the disposition action on unserviceable items.

Code	Application/Explanation
Z	Non-repairable item. When unserviceable, condemn and dispose at the level indicated in position three (3).
O	Repairable item. When uneconomically repairable, condemn and dispose at organizational level.
F	Repairable item. When uneconomically repairable, condemn and dispose at direct support level.
H	Repairable item. When uneconomically repairable, condemn and dispose at general support level.
D	Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L	Repairable item. Repair, condemnation, and disposal not authorized below depot/specialized repair activity level.
A	Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material, or hazardous material).

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 of distributor or Government agency, etc., and is identified in SB 708-42. 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, etc., and is the basis used to indicate quantities and allowances in subsequent columns.

e. Quantity Incorporated in Unit. Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for an assembly 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. Fifteen-Day Organizational Maintenance Allowances. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

g. Thirty-Day DS/GS Maintenance Allowance. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

h. One-Year Allowances Per 100 Equipment/Contingency Planning Purposes. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance columns.

i. Depot Maintenance Allowance Per 100 Equipment. 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 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. The basis of issue for authorized special tools, test and support equipment is the number of end items of equipment supported and the number of maintenance personnel allocated to perform the required maintenance operations.

b. Parts which require manufacture or assembly of a maintenance level higher than that authorized for installation will indicate in the source column the higher maintenance level.

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

d. (Applicable to revision and/or change only). 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.

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

TM 5-4310-348-14 Operator, Organizational, Direct and General Support and Depot Maintenance Manual

L05-4310-348-12 Lubrication Order

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 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 alpha-numeric 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.

6. Abbreviations

ea..... each

hd..... head

hex..... hexagon

hp..... high pressure

lp..... low pressure

mtg..... mounting

7. Recommendations for Maintenance Publications Improvements

You can improve this manual by calling attention to errors and by recommending improvements, using DA Form 2028 (Recommended Changes to Publications) or by a letter, and mailing directly to Commander, U.S. Army Troop Support Command, ATTN: AMSTS-MPP, 4300 Goodfellow Boulevard, St. Louis, Missouri 63120. A reply will be furnished directly to you.