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DEPARTMENT OF THE ARMY TECHNICAL MANUAL

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

COMPRESSOR, RECIPROCATING, AIR, 15 CFM, 175 PSI, ELECTRIC
MOTOR DRIVEN (INGERSOLL-RAND MODEL 242D7-½)
FSN 4310-143-9280



HEADQUARTERS, DEPARTMENT OF THE ARMY

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ORGANIZATIONAL, DIRECT AND GENERAL SUPPORT, AND DEPOT

MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

COMPRESSOR, RECIPROCATING, AIR, 15 CFM, 175 PSI, ELECTRIC MOTOR

DRIVEN (INGERSOLL-RAND MODEL 242D7-½) FSN 4310-143-9280

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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, in figure and item number sequence, of repair parts authorized at the organizational level for the performance of maintenance, including those items which must be removed for replacement of the authorized item. Items are listed by assembly group in top down breakdown sequence.

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

d. Repair Parts - Section V. A list, in figure and number sequence, of the repair parts authorized for the performance of maintenance at the direct support, general support, and depot levels, including those items which must be removed for replacement of the authorized item. Items, except kits and sets, are listed by assembly group in top down breakdown sequence. Repair parts kits and sets are listed separately as Group 07 at the end of the Repair Parts List without regard to the assembly group to which they belong. Components of the kits and sets are listed in their proper sequence in the assembly group to which they belong and are referenced to the FSN of the kit or set.

e. Special Tools, 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 listings, in ascending alpha-numeric sequence, cross-referenced to the illustration figure and item number.

Note Items not illustrated are cross-referenced to page number.

3. Explanation of Columns.

The following provides an explanation of columns in the tabular lists in Sections II through IV.

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

(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.
P2	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.
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 of 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. These 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: