# TM 5-4310-241-20P

## DEPARTMENT OF THE ARMY TECHNICAL MANUAL

## ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

**COMPRESSOR, RECIPROCATING: AIR; 5 CFM; 175 PSI; HAND TRUCK MOUNTED; GASOLINE DRIVEN (CHAMPION PNEUMATIC MODEL LP-512-ENG) LESS ENGINE FSN 4310-861-9820 (CHAMPION PNEUMATIC MODEL LP-512-ENG 1) LESS ENGINE FSN 4310-079-6290 RECEIVER MOUNTED, ELECTRIC DRIVEN; 3 PHASE; 2 HP; 60 HZ; AC; 208/416 V (CHAMPION PNEUMATIC MODEL OEH-34-60-ENG-1) FSN 4310-861-9823 (CHAMPION PNEUMATIC MODEL OEH-34-60-ENG-4) FSN 4310-695-1227 SINGLE-PHASE; 2 HP; 60 HZ; AC; 115/230 V (CHAMPION PNEUMATIC MODEL OEH-34-60-ENG-2) FSN 4310-088-1855 (CHAMPION PNEUMATIC MODEL OEH-34-60-ENG-3) FSN 4310-075-3310**

**HEADQUARTERS, DEPARTMENT OF THE ARMY**

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No. 5-4310-241-20P

HEADQUARTERS
DEPARTMENT OF THE ARMY
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**Current as of 24 March 1969**



* This manual together with TM 5-4310-241-35P, 6 May 1969, supersedes TM 5-4310-241-25P, 24 October 1962, C 2, 5 May 1965.

# SECTION I

# INTRODUCTION

## 1. Scope

This manual lists repair parts required for the performance of organizational maintenance of the air compressor.

## 2. General

*a*. The Repair Parts List is arranged as follows:

(1) Individual parts and major assemblies are listed alphabetically by item name within the numbered functional groups.

(2) Assembly components and subassemblies are indented and listed alphabetically by item name under major assemblies.

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

(1) ***Prescribed Load Allowance (PLA)—Section II.*** A consolidated listing of repair parts quantitatively allocated for initial stockage at the organizational level. ***This is a mandatory stockage allowance.***

**(2)** ***Special Tools, Test and Support Equipment—Section III.*** A list of special tools, test and support equipment authorized for the performance of maintenance at the organizational level (not applicable).

**(3)** ***Repair Parts for Organizational Maintenance—Section IV.*** A list of repair parts authorized for the performance of maintenance at the organizational level.

**(4)** ***Federal Stock Number and Reference Number Index—Section V.*** A list of Federal Stock numbers followed by reference numbers in ascending alpha-numeric sequence, cross-referenced to index 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):*

(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. |
| 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 is normally below that of the applicable end item, and the failure of which should result in retirement of the end item from the supply system. |
| XI | 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 components. |
| 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 procurements. 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 or returned to depot supply level. *Note.* Source code is not shown on common hardware items known to be readily available in Army supply channels and through local procurement. |

**(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 re-

covery or salvage. Items not coded are expendable. Recoverability codes are:

| Code | Explanation |
|---|---|
| R | Applied to repair parts and assemblies which are economically repairable at DSU and GSU activities and normally are furnished by supply on an exchange basis. |
| 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 normaly are 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. |

(4) This column also lists, below the ***SMR*** code, an index number for each item in ascending numerical sequence, which is used to locate items in the publication when the Federal stock number and/or reference number is known.

*b. Federal Stock Number:* This column indicates the Federal stock number for the item.

*c. Description:* This column indicates the Federal item name and any additional description of the item required. A part number or other reference number is followed by the applicable five-digit Federal supply code for manufacturers in parentheses. Materiel required for manufacture or fabrication is identified.

*d. Unit of Issue:* This column indicates the unit used as a basis for issue, e.g., ea, pr, ft, yd, etc.

*e. Quantity Incorporated in Unit Pack:* This column indicates the actual quantity contained in the unit pack,

*f. Quantity Incorporated in Unit:* This column indicates the quantity of the item used in the functional group.

*g. Fifteen-Day Organizational Maintenance Allowance, Column (4) of Section II and Column (7) of Section III and IV.*

(1) The allowance columns are divided into four subcolumns. Indicated in each subcolumn is the quantity of items authorized for the number of equipments supported. 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 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 appropriate density column applicable to the number of items supported to obtain the total quantity of repair pars 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 this Command based upon engineering experience, demand data, or TAERS information.

*h. Illustration, Column (8).* This column is divided as follows:

(1) ***Figure Number Column (8) (a).*** Indicates the figure number of the illustration in which the item is shown.

(2) ***Item Number, Column (8) (b).*** Indicates the callout number used to reference the item in the illustration.

## 4. Special Information

*a.* Identifications of the usable on codes included in column 2 of section II and column 3 of sections III and IV of this publication are:

| Code | Used On |
|---|---|
| A------ | Compressor, model LP-512-ENG, Gasoline Driven |
| B------ | Compressor, model OEH 34-60-ENG 1, Electric motor driven |
| C------ | Compressor, model OEH-34-60-ENG 2, Electric motor driven |
| D------ | Compressor, model OEH-34-60-ENG 3, Electric motor driven |
| E------ | Compressor, model OEH-34-60-ENG 4, Electric motor driven |
| F------ | Compressor, model LP-512-ENG-1, Gasoline driven |

Repair parts not symbolized are applicable to all models. Refer to TM 5-2805-206–24P for information on repair parts and allowances for the MIL STD ENGINE 1A08-1 and 1A08-2.

*b.* Repair parts mortality has been based on 1,000 hours of operation per year.

*c.* Parts which require manufacture or assembly at a category higher than that authorized