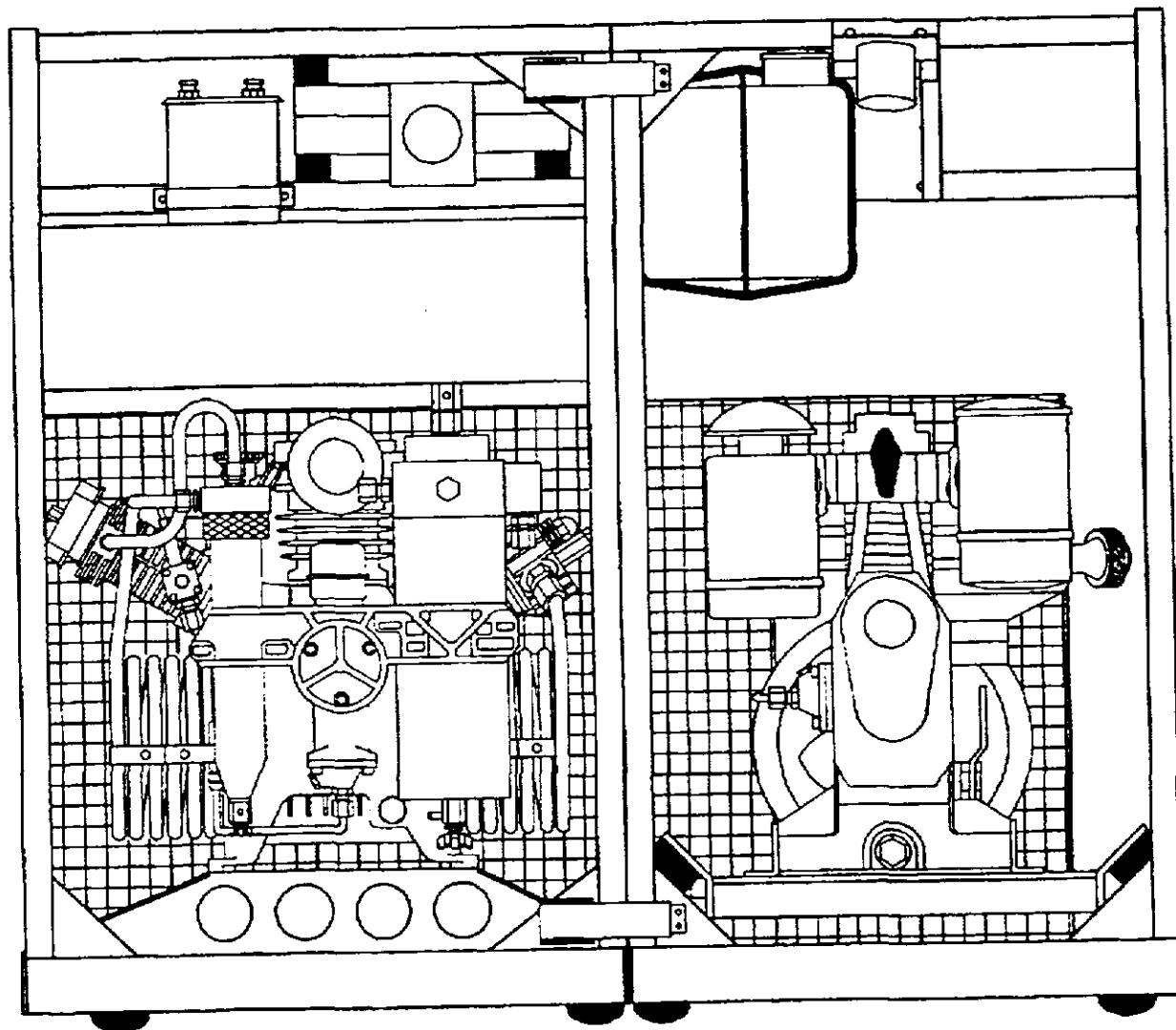


TECHNICAL MANUAL

UNIT, DIRECT SUPPORT AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST
FOR
COMPRESSOR UNIT, RECIPROCATING
5.0 CFM, MODEL CAPITANO-PD
(NSN 4310-01-107-8006)



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WASHINGTON D.C., 15 MARCH 1999

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REPAIR PARTS AND SPECIAL TOOLS LIST
Operator, Unit, Direct Support and General Support

FOR

**COMPRESSOR UNIT, RECIPROCATING
5.0 CFM, MODEL CAPITANO-PD
(NSN 4310-01-107-8006)**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: Director, Armament and Chemical Acquisition and Logistic Activity (ACALA), ATTN: AMSTA-AC-NML, Rock Island, IL 61299-7630. (E-mail: amsta-ac-nml@ria.army.mil). A reply will be furnished directly to you. Instructions for sending an electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028.

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ORGANIZATIONAL AND INTERMEDIATE SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

SECTION 1 INTRODUCTION

1. **SCOPE.** This REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL) lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of operator, unit, direct support, and general support maintenance of the Reciprocating Compressor Unit. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the source, maintenance and recoverability (SMR) codes.

2. **GENERAL.** In addition to this section, Introduction, this Repair Parts and Special Tools List is divided into the following sections:

a. **Section 1. Repair Parts List.** A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts Lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Repair parts for repairable special tools are listed in Section 3. Items listed are shown on the associated illustration(s)/figure(s). There is no authorized DOD depot facility for the CAPITANO-PD, Reciprocating Compressor Unit. After proper authorization all items whose SM&R codes indicates Depot level repair or replacement will be returned to the manufacturer or other commercial facility for repair/overhaul.

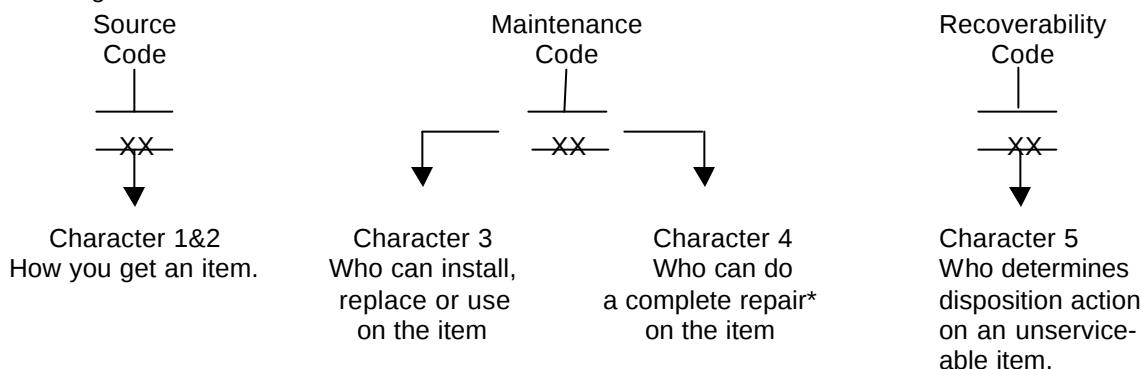
b. **Section 3 Special Tools List.** A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

c. **Section 4. Cross-reference Index.** A list, in National Item Identification Number (NIIN) sequence, of all National Stock numbered items appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross referenced to each illustration figure and item number appearance. The figure and item number index lists figure and item number in alphanumeric sequence and cross references NSN, CAGEC and part number.

3. EXPLANATION OF COLUMNS (SECTIONS II AND III).

a. **ITEM NO. (Column (1)).** Indicates the number used to identify items called out in the illustration.

b. **SMR Code (Column (2)).** The Source, Maintenance, and Recoverability (SMR) code is a 5-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instruction, as shown in the following:



*Complete Repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the 'Repair' function in a use/user environment in order to restore serviceability to a failed item.

- (1) Source Code. The source code tells you how to get an item needed for maintenance, repair, or overhaul of an end item/ equipment. Explanations of source codes follows:

Code		Explanation
PA		Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the 3rd position of the SMR code.
PB		
PC**		** NOTE: Items coded PC are subject to deterioration
PD		
PE		
PF		
PG		
KD		Items with "K" codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category indicated in the 3rd position of the SMR code. The complete kit must be requisitioned and applied.
KF		
KB		
MO	Made at org/AVUM Level	Items with "M" codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the number in the DESCRIPTION and USABLE ON CODE (UOC) column with and listed in the Bulk Material group on the repair parts list in the RPSTL. If the item is authorized to you by the 3rd position code of the SMR code, but the source code indicates it is made at a higher level, order the item from the higher level of maintenance.
MF	Made at DS/AVUM Level	
MH	Made at GS Level	
ML	Made at Specialized Repair Activity (SRA)	
MD	Made at Depot	
AO	Assembled by org/AVUM Level	Items with "A" codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. If the 3rd position code of the SMR code authorizes you to replace the item, but the source code indicates the items are assembled at a higher level, order the item from the higher level of maintenance.
AF	Assembled by DS/AVIM Level	
AH	Assembled by GS Category	
AL	Assembled by SRA	
AD	Assembled by Depot	
XA		Do not requisition "XA" -coded item. Order its next higher assembly. (Also, refer to the NOTE below).

XB	If an "XB" item is not available from salvage, order it using the CAGEC and part number given.
XC	Installation drawing, diagram, instruction sheet, field service drawing, that is identified by Reciprocating Compressor Unit's manufacturers part number
XD	Item is not stocked. Order an "XD" -coded item through normal supply channels using the CAGEC and part number given if no NSN is available.

NOTE

Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA" or those aircraft support items restricted by requirements of AR 750-1.

(2) Maintenance Code. Maintenance codes tell you the level(s) of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows:

(a) The maintenance code entered in the third position tells you the lowest maintenance level authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to one of the following levels of maintenance.

Code Application/Explanation

- C - Crew or operator maintenance done within organizational or aviation unit maintenance.
- O - Organizational or aviation unit category can remove, replace, and use the item.
- F - Direct support or aviation intermediate level can remove, replace, and use the item.
- H - General support level can remove, replace, and use the item.
- L - Specialized repair activity can remove, replace, and use the item.
- D - Depot level can remove, replace, and use the item.

(b) The maintenance code entered in the fourth position tells whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (i.e., perform all authorized repair functions). NOTE: Some limited repair may be done on the item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes. This position will contain one of the following maintenance codes.

Code Application/Explanation

- O - Organizational or (aviation unit) is the lowest level that can do complete repair of the item.
- F - Direct support or aviation intermediate is the lowest level that can do complete repair of the item.
- H - General Support is the lowest level that can do complete repair of the item.
- L - Specialized repair activity is the lowest level that can do complete repair of the item.
- D - Depot is the lowest level that can do complete repair of the item.