

TECHNICAL MANUAL
UNIT, DIRECT SUPPORT, AND
GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND SPECIAL
TOOLS LIST
FOR

PUMP ASSEMBLY,
FLAMMABLE LIQUID,
BULK TRANSFER,
100 GPM,
DIESEL ENGINE DRIVEN (DED)

Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY
3 April 1990

TECHNICAL MANUAL

NO. 5-4320-313-24P

HEADQUARTERS,
DEPARTMENT OF THE ARMY
WASHINGTON, D.C. 3 April, 1990

**UNIT, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
FOR
PUMP ASSEMBLY, FLAMMABLE LIQUID,
BULK TRANSFER, 100 GPM,
DIESEL ENGINE DRIVEN (DED)**

Current as of 22 March 1990

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 the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: Commander, U.S. Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited

TABLE OF CONTENTS

	Page	Illus Figure
SECTION I. INTRODUCTION	1	
SECTION II. REPAIR PARTS LIST		
Group 01 Pump Assembly		
Pump Assembly	1-1	1
Group 02 Engine Assembly		
Air Cleaner Assembly	2-1	2
Engine Assembly	1-1	3
Air Cleaner Adapter	4-1	4
Fuel System	5-1	5

TABLE OF CONTENTS

	Page	Illus Figure
Injection System.....	6-1	6
Muffler and Guard	7-1	7
Throttle Controls.....	8-1	8
Crank Assembly, Cover and Gears.....	9-1	9
Cowling and Covers	10-1	10
Rocker Arms	11-1	11
Cylinder Head and Valve Assembly.....	12-1	12
Cylinder and Piston	13-1	13
Connecting Rod.....	14-1	14
Timing Cover and Camshaft.....	15-1	15
Governor	16-1	16
Flywheel.....	17-1	17
Crankshaft.....	18-1	18
Crankcase.....	19-1	19
Group 03	Frame Assembly	
	Frame.	20-1 20
Section III.	Special Tools List	
	Special Tools List.....	21-1 21
Section IV.	Cross Reference Indexes:	
	National Stock Number Index.....	I-1
	Part Number Index	I-3
	Figure and Item Number Index.....	I-10

**UNIT, DIRECT SUPPORT AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST**

Section I. INTRODUCTION

1. SCOPE. This 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 unit, direct support and general support maintenance of the Air Conditioner. 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 II. Repair Parts List. A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. This 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. Bulk materials are listed in item name sequence. Repair parts kits are listed separately in functional groups in Section II. Repair parts for repairable special tools are also listed in this section. Items listed are shown in the associated illustration(s)/figure(s).

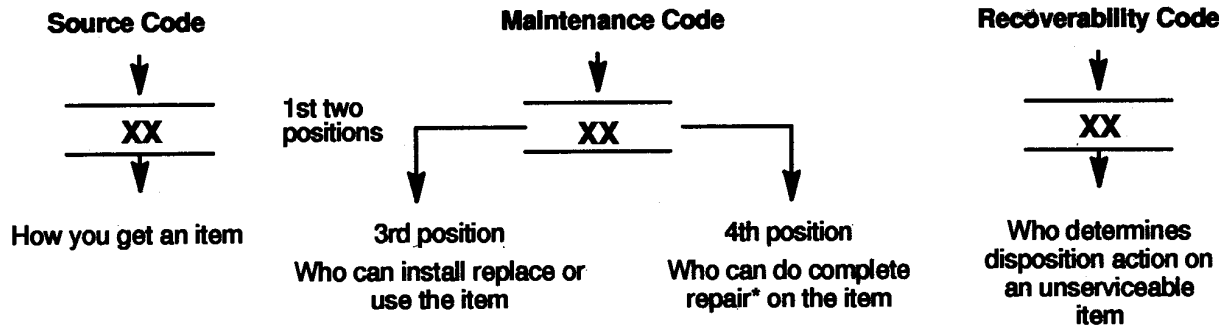
b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

c. Section IV. 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 numbers 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 breakout:



* Complete Rear: 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 you get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follow.

Code	Explanation
PA PB PC** PD PE PF PG	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. **NOTE : Items coded PC are subject to deterioration.
KD KF KB	Items with these 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.
MO (Made at org AVUM level) MF (Made at DS/AVUM level) MH (Made at GS level) ML (Made at Specialized Repair Activity (SRA)) MD (Made at Depot)	Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION and USABLE ON CODE (UOC) column and listed in the Bulk Material group of 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.