

TECHNICAL MANUAL

**ORGANIZATIONAL, DIRECT SUPPORT AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS LIST)**

**AIR CONDITIONER, HORIZONTAL
COMPACT, 18,000 BTU/HR
208-VOLT, 3 PHASE, 50/60 HERTZ
NSN 4120-01-105-5746**

Approved for public release; distribution is unlimited.

*This manual supersedes TM 5-4120-369-24P, 12 August 1983, including all changes.

HEADQUARTERS, DEPARTMENT OF THE ARMY

10 OCTOBER 1989

TECHNICAL MANUAL

No. 5-4120-369-24P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D. C., 10 October 1989

**Organizational, Direct Support, and General Support Maintenance
Repair Parts and Special Tools List
(Including Depot Maintenance Repair Parts and Special Tools List)
for
AIR CONDITIONER, HORIZONTAL COMPACT
18,000 BTU/HR
208-VOLT, 3 PHASE, 50/60 HERTZ
NSN 4120-01-105-5746**

Current as of 20 June 1989

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake 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 duet: to: Commander, U.S. Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

Approved for public release; distribution is unlimited.

TABLE OF CONTENTS

		Page	Illust/ Figure
Section I.	Introduction	1	
Section II.	Repair Parts List		
Group 01	Accessory Items		
	Accessory Items	1-1	1
Group 02	Housing Covers, Louvers, and Guards		
	Housing Covers, Louvers, and Guards	2-1	2
	Side and Rear Guards, Louvers, and Instruction Plate	3-1	3
Group 03	Filters, Condensate Drain, and Ventilation Damper		
	Damper Controls, Linkage, Fittings, Air Filter and Mist Eliminator	4-1	4
Group 04	Control Module Assembly		
	Control Module	5-1	5
Group 05	Junction Box Assembly		
	Junction Box	6-1	6
	Transformer and Rectifier Assembly	7-1	7
Group 06	Evaporator Fan Assembly		
	Evaporator Fan Assembly	8-1	8

* This manual supersedes TM 5-4120-369-24P, 12 August 1983 including all changes.

		Page	Illust/ Figure
Group 07	Condensate Fan Assembly		
	Condenser Fan Louver Actuating Cylinder and Motor Assembly	9-1	9
	Condenser Fan Thermostatic Switch	10-1	10
Group 08	Electric Heating		
	Heater Elements and Thermostat.	11-1	11
	Wiring Harness and Terminal Boards	12-1	12
Group 09	Refrigeration System		
	Evaporator Coil and Piping	13-1	13
	Condenser Coil and Piping	14-1	14
	Pressure Switches	15-1	15
	Compressor and Piping	16-1	16
Group 10	Housing Assembly		
	Housing	17-1	17
Group 11	Bulk Materials		
	Bulk	Bulk-1	Bulk
Section III.	Special Tools List	1-1	
Section IV.	Cross Reference Index	1-1	
	National Stock Number Index	1-5	
	Part Number Index	1-18	
	Figure and Item Number Index.		

ORGANIZATIONAL AND DIRECT SUPPORT
AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIS
(INCLUDING DEPOT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS LIST)

AIR CONDITIONER, HORIZONTAL COMPACT, 1800 BTU/HR
208-VOLT, 3 PHASE, 50/60 HERTZ NSN 4120-01-105-5746

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 organizational, direct support general support and depot maintenance of the Air Conditioner Horizontal Compact. 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. The list also includes part which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the part 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 their own functional group within Section II. Repair parts for repairable special tools are also listed in this section. Items listed are shown on the associated illustration(s)/figure(s).

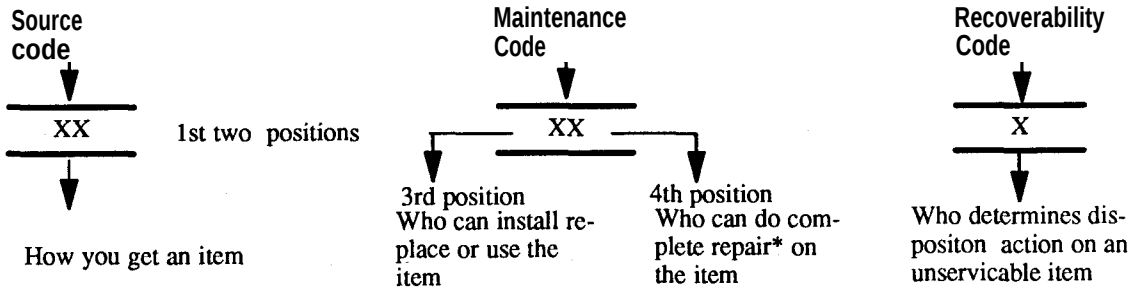
b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

c. Section IV. Cross-references Indexes. 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 INSN, FSCM 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:



NOTE

*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 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 3d position of the SMR code.
KD KF KB	**NOTE: Items coded PC are subject to deterioration. 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 3d position of the SMR code. The complete kit must be requisitioned and applied.

Code	Explanation
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 this RPSTL. If the item is authorized to you by the 3d 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.