

TECHNICAL MANUAL

**ORGANIZATIONAL DIRECT SUPPORT
AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST**

**AIR CONDITIONER, HORIZONTAL,
COMPACT, 9000 BTU
AMERICAN AIR FILTER CO., MODEL CH609-3)
NSN 4120-00-411-5444**

HEADQUARTERS, DEPARTMENT OF THE ARMY

24 APRIL 1978

TECHNICAL MANUAL

NO. 5-4120-352-24P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 24 April 1978**Organizational, Direct Support and General
Support Maintenance Repair Parts
And Special Tools List****AIR CONDITIONER, HORIZONTAL, COMPACT,
9000 BTU (AMERICAN AIR FILTER CO. , MODEL CH609-3)
NSN 4120-00-411-5444**

Current as of 9 January 1978

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 procedure, 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 the manual directly to: Commander, US Army Troop Support and Aviation Materiel Readiness Command, ATTN: DRSTS-MTPS, 4300 Goodfellow Blvd., St. Louis, MO 63120. A reply will be furnished to you.

		Page No.	Illus Figure
SECTION	I. INTRODUCTION	1	
	II. REPAIR PARTS FOR ORGANIZATIONAL DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE		
Group	01	6	
	Frame and casing - covers, louvers and guards		1
	Frame and casing - housing assembly		2
	Frame and casing - push-pull controls		3
	Frame and casing - canvas cover		4
	Frame and casing - data plates		5
	02.	17	
	Electrical components - transform and rectifier assembly		6
	Electrical components - control module		7
	Electrical components - junction box		8
	03. Starting and Protective Devices	26	
	Starting and protective devices - heater thermostatic switch		9
	Starting and protective devices - condenser fan motor thermostatic switch		10
	Starting and protective devices - high and low pressure cutout switches		11
	04.	31	
			12
			13
	05.	36	
	Gages - liquid sight indicator		14
	06. Electric Motors	38	
	Electric motors - condenser and evaporator fans		15
	Electric motors - evaporator fan assembly		16
	Electric motors - condenser fan and motor		17

		Page No.	Illus Figure
Group	07. Refrigeration Components.....	46	
	Refrigeration components - compressor and mount.....		18
	Refrigeration components, piping		19
	Refrigeration components- condenser coil and receiver		20
	Refrigeration components- evaporator coil and drain		21
	08. Heating Elements	55	
	Heating elements.....		22
	09. Air Filter.....	56	
	Air Filter.....		23
SECTION	III. SPECIAL TOOLS, TEST AND SUPPORT EQUIPMENT FOR ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE (Not Applicable)		
	IV. INDEX - FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS-REFERENCE TO FIGURE AND ITEM NUMBER	57	

Section I. INTRODUCTION

1. Scope

This manual lists repair parts, special tools, test, measurement, and diagnostic equipment (TMDE), and other support equipment required for operation and performance of organizational, direct support, general support and depot maintenance of the Air Conditioner.

2. General

a. Section II - Repair Parts List. A list of repair parts authorized 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 assembly groups in ascending numerical sequence, with the parts in each group listed in figure and item number sequence. Bulk materials are listed in NSN sequence, as the last group in Section II.

b. Section III - Special Tools List. Not applicable.

c. Section IV - National Stock Number and Part Number Index. A list, in ascending numerical sequence, of all National Stock Numbers appearing in the listings, followed by a list, in alphanumeric sequence, of all part numbers appearing in the listings. National Stock Number and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

The following provides an explanation of columns found in the tabular listings:

a. Illustration. This column is divided as follows:

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

(2) Item Number. The number used to identify each item called out in the illustration.

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

(1) Source Code. Source codes are assigned to support items to indicate the manner of acquiring support items for maintenance, repair, or overhaul of each items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

Code	Definition
PA	Item procured and stocked for anticipated or known usage.
PB	Item procured and stocked for insurance purpose because essentiality dictates that a minimum quantity be available in the supply systems.
PC	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
PD	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.
PE	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF	Support equipment which will not be stocked but which will be centrally procured on demand.
PG	Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which, because of probable discontinuance or shutdown of production facilities, would prove uneconomical to reproduce at a later time.
KD	An item of a depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
KF	An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or intermediate levels of maintenance.
KB	Item included in both a depot overhaul/repair kit and a maintenance kit.
MO	Item to be manufactured or fabricated or organizational level.
MF	Item to be manufactured or fabricated at the direct support maintenance level.
MH	Item to be manufactured or fabricated at the general support maintenance level.
MD	Item to be manufactured or fabricated at the depot maintenance level.
AO	Item to be assembled at organizational level.
AF	Item to be assembled at direct support maintenance level.
AH	Item to be assembled at general support maintenance level.
AD	Item to be assembled at depot maintenance level.
XA	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
XB	Item is not procured or stocked. If not available through salvage, requisition.