

TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS

AIR CONDITIONER, HORIZONTAL COMPACT, 9,000 BTU TRANE MODELS

115V, 1 PHASE, 50/60 HERTZ, MODEL MAC6H9-115-1101-01

FSN 4120-411-5442

230V, 1 PHASE, 50/60 HERTZ, MODEL MAC6H9-230-1101-02

FSN 4120-411-5443

208V, 3 PHASE, 50/60 HERTZ, MODEL MAC6H9-208-1101-03

FSN 4120-411-5444

208V, 3 PHASE, 400 HERTZ, MODEL MAC4H9-208-1101-04

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HEADQUARTERS, DEPARTMENT OF THE ARMY

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WASHINGTON, D.C. 15 October 1971ORGANIZATIONAL MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LIST
AIR CONDITIONER, HORIZONTAL COMPACT, 9,000 BTU
TRANE MODELS115V, 1 PHASE, 50/60 HERTZ, MODEL MAC6H9-115-1101-01 (FSN 4120-411-5442)
230V, 1 PHASE, 50/60 HERTZ, MODEL MAC6H9-230-1101-02 (FSN 4120-411-5443)
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Section I INTRODUCTION

1. Scope.

This manual lists repair parts, special tools, test and support equipment required for the performance of organizational maintenance of the air conditioner.

2. General.

This Repair Parts Special Tools List is divided into the following sections:

a. Prescribed Load Allowance (PLA) - Section II. A complete listing of the repair parts, special tools, test and support equipment having quantitative allowances for initial stockage at the organizational level.

b. Repair Parts - Section III. A list of repair parts authorized for the performance of maintenance at the organizational level in figure and item number sequence.

c. Special Tools, Test and Support Equipment - Section IV. (Not applicable.)

d. Federal Stock Number and Reference Number Index - Section V. A list of Federal Stock Numbers in ascending numerical sequence followed by a list of reference numbers in ascending alpha-numeric sequence, cross-referenced to the illustration figure number and item 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
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P	Repair parts which are stocked in or supplied from the GSA/DSA, or Army supply system and authorized for use at indicated maintenance categories.
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P2	Repair parts which are procured and stocked for insurance purposes because the combat or military essentiality of the end item dictates that a minimum quantity be available in the supply system.
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M	Repair parts which are not procured or stocked, but are to be manufactured in indicated maintenance levels.
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A	Assemblies which are not procured or stocked as such, but are made up of two or more units. Such component units carry individual stock numbers and descriptions, are procured and stocked separately and can be assembled to form the required assembly at indicated maintenance categories.
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X	Parts and assemblies which are not procured or stocked and the mortality of which normally is below that of the end item or
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component. The failure of such part or assembly should result in retirement of the end item from the supply system.

X1	Repair parts which are not procured or stocked. The requirement for such items will be filled by use of the next higher assembly or component.
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X2	Repair parts which are not stocked. The indicated maintenance category requiring such repair parts will attempt to obtain same through cannibalization. Where such repair parts are not obtainable through cannibalization, requirements will be requisitioned, with accompanying justification, through normal supply channels.
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G	Major assemblies that are procured with PEMA funds for initial issue only as exchange assemblies of DSU and GSU level. These assemblies will not be stocked above DS end GS level or returned to depot supply level.
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(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 recovery or salvage. Items not coded are expendable. Recoverability codes are:

Code	Explanation
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R	Applied to repair parts (assemblies or components), special tools and test equipment which are considered economically repairable at direct and general support maintenance levels. When the item is no longer economically repairable, it is normally disposed of at the GS level. When supply considerations dictate, some of these repair parts may be listed for automatic return to supply for depot level repair as set forth in AR 710-50. When so listed, they will be replaced by supply on an exchange basis.
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S	Repair parts and assemblies which are economically repairable at DSU and GSU activities and which normally furnished by supply on an exchange basis. When items are determined by a GSU to be uneconomically repairable, they will be evacuated to a depot for evaluation and analysis before final disposition.
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T	High dollar value recoverable repair parts which are subject to special handling and are issued on an exchange basis. Such repair parts normally are repaired or overhauled at depot maintenance activities.
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U	Repair parts specifically selected for salvage by reclamation units because of precious metal content, critical material, or high dollar reusable casings or castings.
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b. Federal Stock Number. This column indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.

c. Description. This column indicates the Federal item name and my additional description of the item required. Assembly components and subassemblies are indented under major assemblies. The abbreviation "w/e", when used as part of the nomenclature, indicates the Federal stock number includes all armament, equipment, accessories, and repair parts issued with the item. A part number or other reference number is followed by the applicable five-digit Federal supply code for manufacturers in parenthesis. Repair parts quantities included in kits and sets are shown in front of the repair part name. Material required for manufacture or fabrication is identified.

d. Unit of Measure (U/M). A 2 character alphabetic abbreviation indicating the amount or quantity of the item upon which the allowances are based, e.g., ft. ea, pr, etc.

e. Quantity Incorporated in Unit. This column indicates the quantity of the item used in the assembly group. A "V" appearing in this column in lieu of a quantity indicates that a definite quantity cannot be indicated (ea., shims, spacers, etc.).

f. 15-Day Organizational Maintenance Allowance.

(1) The allowance columns are divided into subcolumns. Indicated in each subcolumn opposite the first appearance of each item is the total quantity of items authorized for the number of equipments supported. Subsequent appearances of the same item will have the letters "REF" in the allowance column. To locate the referenced item, locate the FSN or reference number in the index. The earliest figure and item number is the referenced item. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

(2) The quantitative allowance for organizational level of maintenance represents one initial prescribed load for a 15-day period for the number of equipments supported. Units authorized additional prescribed loads, multiply the number of prescribed loads by the quantity in the appropriate density column to determine the number of repair parts authorized.

(3) To determine allowances when supporting more than 100 of these equipments. First divide the number of equipments supported by 100 by moving the decimal two spaces left. Second, multiply the result by the quantity in the 51-100 density column. Example: authorized allowance for 51-100 equipment is 40; for 150 equipments, multiply 40 by 1.50 or 60 parts authorized.

(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 the U.S. Army Mobility Equipment Command based upon engineering experience, demand data, or TAERS information.

g. 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. Indicates the callout number used to reference the item in the illustration.

h. The illustrations in the manual are identical to the applicable illustrations published in the -34, Direct and General Support and Depot Maintenance Repair Parts and Special Tools List manual, and the figure numbers are the same as appear in that manual. The -34P

illustrations are given for a better understanding of the parts relationship, however, only those parts assigned maintenance code "O" are listed in the tabular portion an only these parts are authorized for requisitioning from this manual.

4. Special information.

a. Identification of the usable on coda included in column 3 of this publication are:

Code	Used On
A	Model MAC6H9-115-1101-01, 115V, 1 phase, 50/60 hertz
B	Model MAC6H9-230-1101-02, 230V, 1 phase, 50/60 hertz
C	Model MAC6H9-208-1101-43, 208V, 3 phase, 50/60 hertz
D	Model MAX4H9-208-1101-04, 208V, 3 phase, 400 hertz

NOTE: Parts not coded are applicable to all models.

b. Repair parts, mortality has been based on 3,000 hours operation per year.

c. Parts which require manufacture or assembly at a catagory higher than that authorized for installation will indicate in the source column the higher category.

d. The following publications pertain to the air conditioner and its components.

TM 5-4120-239-14	Operator, Organizational, Direct Support and General support Maintenance Manual for Air Conditioner, Horizontal Compact, 9,000 BTU Trane Models: Model MAC6H9-115-1101-01 115V, 1 Phase 50/60 Hertz; Model MAC6H9-230-1101-02 230V, 1 Phase 50/60 Hertz; Model MAC6H9-208-1101-03 208V, 3 Phase, 50/60 Hertz; Model MAC4H9-208-1101-04 208V, 3 Phase, 400 Hertz.
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5. How to Locate Repair Parts.

a. When Federal stock number or reference number is unknown:

(1) First. Using the table of contents, determine the functional group within which the repair part belongs. This is necessary since illustrations are prepared for functional groups and listings are divided into the same groups.

(2) Second. Find the illustration covering the functional group to which the repair part belongs.

(3) Third. Identify the repair part on the illustration and note the illustration figure and item number of the repair part.

(4) Fourth. Using the Repair Pat Listing, find the functional group to which the repair part belongs and locate the illustration figure and item number noted on the illustration.

b. When the Federal stock number or reference number is known:

(1) First. Using the Index of Federal Stock Numbers and Reference Numbers find the pertinent Federal stock number or reference number. This index is in ascending FSN sequence followed by a list of reference numbers in alpha-numeric sequence, cross referenced to the illustration figure number and item number.

(2) Second. Using the Repair Part Listing, find the functional group of the repair part and the illustration figure number and item number referenced in the Index of Federal Stock Numbers and Reference Numbers.

6. Abbreviations.

Abbreviation	Explanation
ACFT	AIRCRAFT
ADJ	ADJUSTABLE
AL ALY	ALUMINUM ALLOY
AWG	AMERICAN WIRE GAGE
BDG	BINDING
CAD PL	CADMIUM PLATED
CL	CLASS
CONN	CONNECTOR
COP	COPPER
CROSS REC	CROSSED RECESS
CS	CARBON STEEL
CSK	COUNTERSUNK
CU FT	CUBIC FOOT
DIA	DIAMETER
EA	EACH
ELEC	ELECTRICAL
EVIR	ENVIRONMENT
FL	FLAT
HD	HEAD
HEL	HELICAL
HEX	HEXAGON
ID	INSIDE DIAMETER
INS	INSULATED
LB	POUND
LG	LONG
MACH	MACHINE
MED	MEDIUM
MTG	MOUNTING
NO.	NUMBER
NOM	NOMINAL
OD	OUTSIDE DIAMETER
RD	ROUND
REC	RECESS
RECP	RECEPTACLE
REG SER	REGULAR SERIES
RES	RESISTANT
RUB	RUBBER
SELF-LKG	SELF-LOCKING
SOC	SOCKET
STD	STANDARD
STK	STOCK
STL	STEEL
SYN	SYNTHETIC
THK	THICK
V	VOLTS
VDC	VOLTS DIRECT CURRENT
W	WIDE

7. Federal Supply Codes for Manufacturers.

Code	Manufacturer
01479	Whirlpool Corp. Evansville, Ind. 47710
19396	Illinois Tool Works, Inc. Paktron Division Alexandria, Va. 22301

60532 The Trane Co.
LaCrosse, Wis.

79136 Waldes Kohinoor, Inc.
Long Island City, N.Y.

80205 National Aerospace Standards
Committee, Aerospace Industries
American of America Inc.
Washington, D.C.

81343 Society of Automotive Engineers
New York, N.Y.

81348 Federal Specifications Promulgated
by General Service Administration

81349 Military Specifications

88044 Aeronautical Standards Group
Dept. of Navy and Air Force
Silver Springs, Md.

96906 Military Standards

97403 Army Engineer Research and
Development Laboratories
Fort Belvoir, Va.

8. Recommendations, for Maintenance Publication Improvements.

Reports of errors, omissions, and recommendations for improving this public by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to DA Publications), and forwarded direct to Commanding General, U.S. Army Mobility Equipment Command, ATTN: AMSME-MPP, 4300 Goodfellow Boulevard, St. Louis, Missouri 63120.

(1) FEDERAL STOCK NUMBER	(2) DESCRIPTION <i>Usable On Code</i>	(3) 15-DAY ORGANIZATIONAL MAINTENANCE ALLOWANCE			
		(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100
	SECTION II. PRESCRIBED LOAD ALLOWANCE THE FOLLOWING ITEMS W/ALLOWANCES ARE APPLICABLE TO MODEL MAC6H9 AND MAC4H9 AIR CONDITIONER LISTED IN THIS MANUAL EXCEPT AS OTHERWISE INDICATED. GROUP 40 - ELECTRIC MOTORS 4000 MOTORS				
6105-184-9059	MOTOR, ALTERNATING CURRENT 115V, SINGLE PHASE, 50/60 HERTZ 13216E6140-1 (97403) A				1
6105-184-9096	MOTOR, ALTERNATING CURRENT 230V, SINGLE PHASE, 50/60 HERTZ 13216E6140-2 (97403) B				1
6105-193-7598	MOTOR,ALTERNATING CURRENT 208V, THREE PHASE, 50/60 HERTZ 13216E6140-3 (97403) C				1
6135-184-9097	MOTOR, ALTERNATING CURRENT 208V, THREE PHASE, 400 HERTZ 1321636140-4 (97403) D				1
	4006 STARTING MD PROTECTIVE DEVICES				
	CAPACITOR, FIXED, PAPER DIELECTRIC, 15uf 13216E6236-1 (97403) A			1	1
	CAPACITOR, FIXED, PAPER DIELECTRIC, 12.5uf 13216E6236-4 (97403) B		1	1	1
5945-482-5771	RELAY, ARMATURE 13216E6240 (97403) AB			1	1
	CAPACITOR, FIXED, STARTER 1321636239 (97403) AB			1	1
	CAPACITOR, FIXED, PAPER DIELECTRIC 25uf 13216E6236-2 (97403)		1	1	1