

# TECHNICAL MANUAL

## DIRECT AND GENERAL SUPPORT AND DEPOT 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

(FSN 4120-411-5445)

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HEADQUARTERS, DEPARTMENT OF THE ARMY

15 OCTOBER 1971

DIRECT AND GENERAL SUPPORT AND DEPOT MAINTENANCE REPAIR PARTS  
 AND SPECIAL TOOLS  
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 230V, 1 PHASE, 50/60 HERTZ, MODEL MAC6H9-230-1101-02 (FSN 4120-411-5443)  
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Current as of 30 September 1971

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Section I  
INTRODUCTION

1. Scope.

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

2. General.

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

a. Repair Parts - Section II. A list of repair parts authorized for the performance of maintenance at the direct support, general support, and depot level in figure and item number sequence.

b. Special Tools, Test and Support Equipment - Section III. Not applicable.

c. Federal Stock Number and Reference Index - Section IV. A list of Federal stock numbers in ascending numerical sequence followed by a list of reference numbers in ascending alphanumeric sequence, cross-referenced to the illustration figure number and item number.

Note: Items not illustrated are cross-referenced to group number.

3. Explanation of Columns.

The following provides an explanation of columns in the tabular lists in Sections II and III.

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

(1) Source codes indicates the selection status and source for the listed item. Source codes used are:

| Code | Explanation   |
|------|---|
| 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.  |
| 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.  |
| M    | Repair parts which are not procured or stocked, but are to be manufactured in indicated maintenance levels.   |
| 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. |
| X    | Parts and assemblies which are not procured or stocked and the mortality of which normally is below that of the end item or 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.

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.

G Major assemblies that are procured with PEMA funds for initial issue only as exchange assemblies are DSU and GSU level. These assemblies will not be stocked above DS and GS level or returned to depot supply level.

(2) Maintenance Code, indicates the lowest category of maintenance authorized to install the listed item. The maintenance level codes are:

| Code | Explanation                 |
|------|-----------------------------|
| O    | Organizational maintenance  |
| F    | Direct support maintenance  |
| H    | General support maintenance |
| D    | Depot 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  |
|------|--|
| R    | Repair parts and assemblies which are economically repairable at DSU and GSU activities and are normally furnished by supply on an exchange basis.   |
| S    | Repair parts and assemblies which are economically repairable at DSU and GSU activities and which are 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. |
| 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.   |
| U    | Repair parts specifically selected for salvage by reclamation units because of precious metal content critical materials, or high dollar value reusable casings or castings.   |

b. Federal Stock Number. This column indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.

c. Destination. This column indicates the Federal item name and any additional description of the item required. Assembly components and sub-assemblies are indented under major assemblies. The abbreviation "w/e" when used as a part of the nomenclature indicates the Federal stock number includes all armament,

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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 (e.g., shims, spacers, etc.).

f. 30-Day DS/GS Maintenance Allowances.

Note: Allowance in GS column are for GS maintenance only.

(1) The allowance columns are divided into three 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 applicable 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 as required but not for initial stockage are identified with an asterisk in the allowance column.

(2) The quantitative allowance for DS/GS level of maintenance will represent the initial stockage for a 30-day period for the number of equipments supported.

(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 places left. Second, multiply the result by the quantity in the 51-100 density column. Example, authorized allowance for 51-100 equipments is 40; for 150 equipments multiply 40 by 1.50 or 60 parts required.

g. 1-Year Allowance Per 100 Equipments/Contingency Planning Purposes. This column indicates opposite the first appearance of each item the total quantity required for distribution and contingency planning purposes. The range of items indicates total quantities of all authorized items required to provide for adequate support of 100 equipments for one year. Subsequent appearance 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.

h. Depot Maintenance Allowance Per 100 Equipments. This column indicates opposite the first appearance of each item the total quantity authorized for depot maintenance of 100 equipments. 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.

i. 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.

## 4. Special Information.

a. Identifications of the usable on codes 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 MAC6H9-208-1101-03, 208V, 3 phase, 50/60 hertz |
| D    | Model MAC4H9-208-110144, 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 category higher than that authorized for installation will indicate in the source column the higher category.

d. The following publication 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  
115V, 1 Phase, 50/60 Hertz,  
Model MAC6H9-115-1101-01  
230V, 1 Phase, 50/60 Hertz,  
Model MAC6H8-230-1101-02  
208V, 3 Phase, 50/60 Hertz,  
Model MAC6H9-208-1101-03  
208V, 3 Phase, 400 Hertz,  
Model MAC4H9-208-1101-04

TM 5-4120-239-20P Organizational Maintenance Repair Parts for Special Tool Lists for Air Conditioner, Horizontal Compact, 9,000 BTU Trane Models  
115V, 1 Phase, 50/60 Hertz,  
Model MAC6H9-115-1101-01  
230V, 1 Phase, 50/60 Hertz,  
Model MAC6H9-230-1101-02  
208V, 3 Phase, 50/60 Hertz,  
Model MAC6H9-208-1101-03  
208V, 3 Phase, 400 Hertz,  
Model MAC4H9-208-1101-04

## 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 parts on the illustration and note the illustration figure number and item number of the repair part.

(4) Fourth. Using the Repair Parts 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: