

# Hoshizaki America, Inc.

## Modular Crescent Cuber

Model  
KM-600MAH



“A Superior Degree  
of Reliability”

[www.hoshizaki.com](http://www.hoshizaki.com)

## PARTS LIST



Number: 71288  
Issued: 10-1-2008  
Revised: 5-24-2010

## CONTENTS

|                                  |    |
|----------------------------------|----|
| Auxiliary Codes.....             | 3  |
| Note About Ordering Parts .....  | 3  |
| Material Abbreviations .....     | 4  |
| A. Ice Cuber Assembly .....      | 5  |
| B. Refrigeration Circuit.....    | 8  |
| C. Water Circuit.....            | 12 |
| D. Control Box Assembly.....     | 15 |
| E. Label Location .....          | 17 |
| F. Front Panel Assembly.....     | 19 |
| G. Top Panel Assembly .....      | 20 |
| H. Pump Motor Assembly.....      | 21 |
| J. Accessories & Packaging ..... | 22 |

## Auxiliary Codes

|                  |     |               |
|------------------|-----|---------------|
| <b>KM-600MAH</b> | T-0 | June 2008     |
|                  | U-0 | January 2009  |
|                  | U-1 | November 2009 |
|                  | V-0 | January 2010  |
|                  | V-1 | March 2010    |
|                  | V-2 | June 2010     |

## Auxiliary Code Breakdown

The auxiliary code is the first two characters in the serial number. The first character indicates the year. Years progress or regress in alphabetical order. The series runs from "A" through "V" and the letters "I" and "O" are skipped. The second character indicates significant part changes within a year. Base is "0" and this number advances for each change.

## Note About Ordering Parts

Most assemblies cannot be ordered as complete units; parts in the assemblies generally must be ordered separately.

## Material Abbreviations

### ALUMINUM

AL = Aluminum

### COPPER

CU = Copper

### PLASTIC

ABS = Acrylonitrile -butadiene - styrene  
AC = Polyacetal  
EPP = Expanded Polypropylene  
EVA = Ethylene vinyl acetate  
PA = Polyamide = Nylon  
PC = Polycarbonate  
PE = Polyethylene  
PES = Polyester  
PETP = Polyethylene terephthalate = Tetlon  
PP = Polypropylene  
PS = Polystyrene  
PTFE = Polytetrafluoroethylene = Teflon  
PUR = Polyurethane  
PVC = Polyvinyl chloride

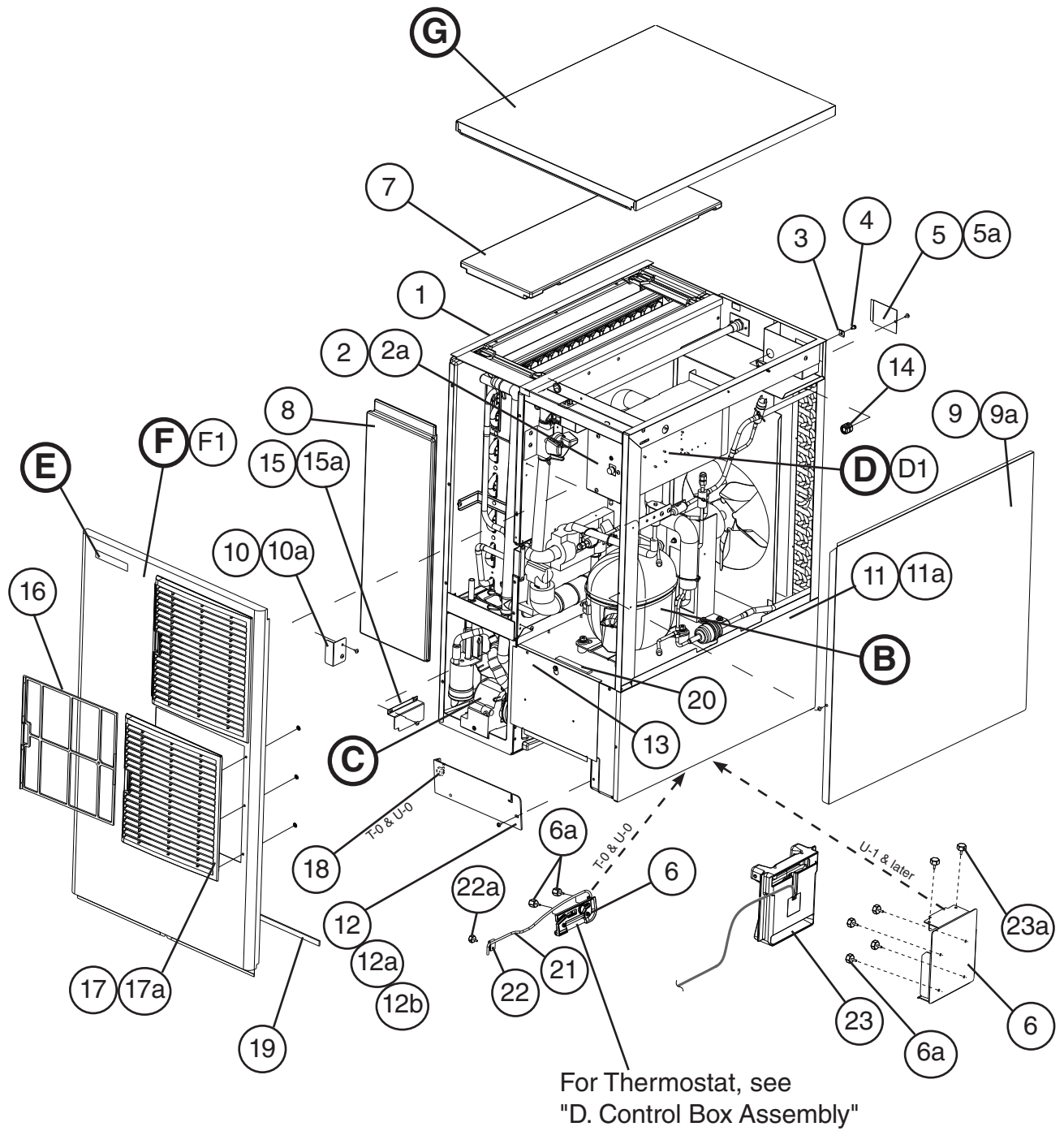
### RUBBER

EPDM = EP rubber  
EPH = Epichlorohydrin  
NBR = Nitrile butadiene rubber  
NP = Neoprene  
NR = Natural rubber  
SI.R = Silicone rubber  
SY.R = Synthetic rubber  
VN = Vinyl Nitrile

### STEEL

GS = Galvanized steel  
PAS = Primed steel  
PS = Plated steel  
SS = Stainless steel

**A. Ice Cuber Assembly**  
**KM-600MAH**  
 T-0 to V-2



| Title: <b>A. Ice Cuber Assembly</b> Model: <b>KM-600MAH</b> |                          |                          |             |                 |                  |     |  |  |  |  |  |
|-------------------------------------------------------------|--------------------------|--------------------------|-------------|-----------------|------------------|-----|--|--|--|--|--|
| Index No.                                                   | Description              | Material or Model Number | Part Number | Required Number |                  |     |  |  |  |  |  |
|                                                             |                          |                          |             | T-0<br>U-0      | U-1<br>to<br>V-1 | V-2 |  |  |  |  |  |
| B                                                           | Refrigeration Circuit    |                          | 1A1540A01   | 1               | -                |     |  |  |  |  |  |
|                                                             |                          |                          | 1A1540A02   |                 | 1                | 1   |  |  |  |  |  |
| C                                                           | Water Circuit            |                          | 1A0283A08   | 1               | 1                | 1   |  |  |  |  |  |
| D                                                           | Control Box Assembly     |                          | 2A4603A01   | 1               | -                |     |  |  |  |  |  |
|                                                             |                          |                          | 2A4603A03   |                 | 1                | -   |  |  |  |  |  |
|                                                             |                          |                          | 2A4603A04   |                 |                  | 1   |  |  |  |  |  |
| D1                                                          | T2 Screw                 | 4x8                      | 7P31-0408   | 3               | 3                | 3   |  |  |  |  |  |
| E                                                           | Label Location           |                          | 3A4815A01   | 1               | -                |     |  |  |  |  |  |
|                                                             |                          |                          | 3A5874A02   |                 | 1                | 1   |  |  |  |  |  |
| F                                                           | Front Panel Assembly     |                          | 2A2243G01   | 1               | 1                | 1   |  |  |  |  |  |
| F1                                                          | Truss Head Screw         | 4x8, SS                  | 7C32-0408   | 1               | 1                | 1   |  |  |  |  |  |
| G                                                           | Top Panel Assembly       |                          | 3A3878A01   | 1               | 1                | 1   |  |  |  |  |  |
|                                                             |                          |                          |             |                 |                  |     |  |  |  |  |  |
| 1                                                           | Evaporator Case          |                          | 1A0579G02   | 1               | 1                | 1   |  |  |  |  |  |
| 2                                                           | Control Box Cover        |                          | 3A2371-01   | 1               | 1                | 1   |  |  |  |  |  |
| 2a                                                          | T2 Screw                 | 4x8                      | 7P31-0408   | 3               | 2                | 2   |  |  |  |  |  |
| 3                                                           | Square Washer            |                          | 433537-02   | 1               | 1                | 1   |  |  |  |  |  |
| 4                                                           | Grounding Screw          |                          | 433304-02   | 1               | 1                | 1   |  |  |  |  |  |
| 5                                                           | Junction Box Cover       |                          | 433410-01   | 1               | 1                | 1   |  |  |  |  |  |
| 5a                                                          | T2 Screw                 | 4x8                      | 7P31-0408   | 1               | 1                | 1   |  |  |  |  |  |
| 6                                                           | Bulb Holder              |                          | 3A3903-01   | 1               | -                |     |  |  |  |  |  |
|                                                             | Bin Control Switch Mount |                          | 3A4463-01   |                 | 1                | 1   |  |  |  |  |  |
| 6a                                                          | Thumbscrew               | Black                    | 415949G11   | 2               | -                |     |  |  |  |  |  |
|                                                             |                          |                          | 415949G10   |                 | 4                | 4   |  |  |  |  |  |
| 7                                                           | Top Insulation           |                          | 215730G01   | 1               | 1                | 1   |  |  |  |  |  |
| 8                                                           | Front Insulation         |                          | 215731G02   | 1               | 1                | 1   |  |  |  |  |  |
| 9                                                           | Side Panel (R)           | SS                       | 2A2117G02   | 1               | 1                | 1   |  |  |  |  |  |
| 9a                                                          | T2 Screw                 | 4x8, SS                  | 7P32-0408   | 1               | 1                | 1   |  |  |  |  |  |
| 10                                                          | Insulation Barrier       |                          | 4A1167-01   | 1               | 1                | 1   |  |  |  |  |  |
| 10a                                                         | T2 Screw                 | 4x8                      | 7P31-0408   | 2               | 2                | 2   |  |  |  |  |  |
| 11                                                          | Base                     |                          | 2A2146G15   | 1               | -                |     |  |  |  |  |  |
|                                                             |                          |                          | 2A5295G06   |                 | 1                | 1   |  |  |  |  |  |
| 11a                                                         | FT Screw                 | 4x8                      | 7F31-0408   | 7               | 7                | 7   |  |  |  |  |  |
| 12                                                          | Frame                    |                          | 3A2503G01   | 1               | -                |     |  |  |  |  |  |
|                                                             |                          |                          | 3A5600G01   |                 | 1                | 1   |  |  |  |  |  |
| 12a                                                         | Truss Head Screw         | 4x25, SS                 | 7C32-0425   | 2               | 2                | 2   |  |  |  |  |  |
| 12b                                                         | Truss Head Screw         | 4x8, SS                  | 7C32-0408   | 1               | 1                | 1   |  |  |  |  |  |
| 13                                                          | Base Cover               | SS                       | 321525G01   | 1               | 1                | 1   |  |  |  |  |  |
| 14                                                          | Bushing                  | SR-34-2                  | 420472-05   | 1               | 1                | 1   |  |  |  |  |  |
| 15                                                          | Barrier                  |                          | 4A0352-01   | 1               | 1                | 1   |  |  |  |  |  |
| 15a                                                         | T2 Screw                 | 4x8                      | 7P31-0408   | 2               | 1                | 1   |  |  |  |  |  |
| 16                                                          | Air Filter               |                          | 2A2062G01   | 2               | 1                | 1   |  |  |  |  |  |
| 17                                                          | Louver                   |                          | 1A0547-01   | 2               | 2                | 2   |  |  |  |  |  |
| 17a                                                         | Push Retainer            |                          | 4A2414-01   | 6               | 6                | 6   |  |  |  |  |  |
| 18                                                          | Capillary Ring           |                          | 425307-01   | 1               | -                |     |  |  |  |  |  |
| 19                                                          | Gasket                   | L=554                    | 4A0808L02   | 1               | 1                | 1   |  |  |  |  |  |
| 20                                                          | Foam Tape                | L=100                    | 8208-0005   | 1               | 1                | 1   |  |  |  |  |  |

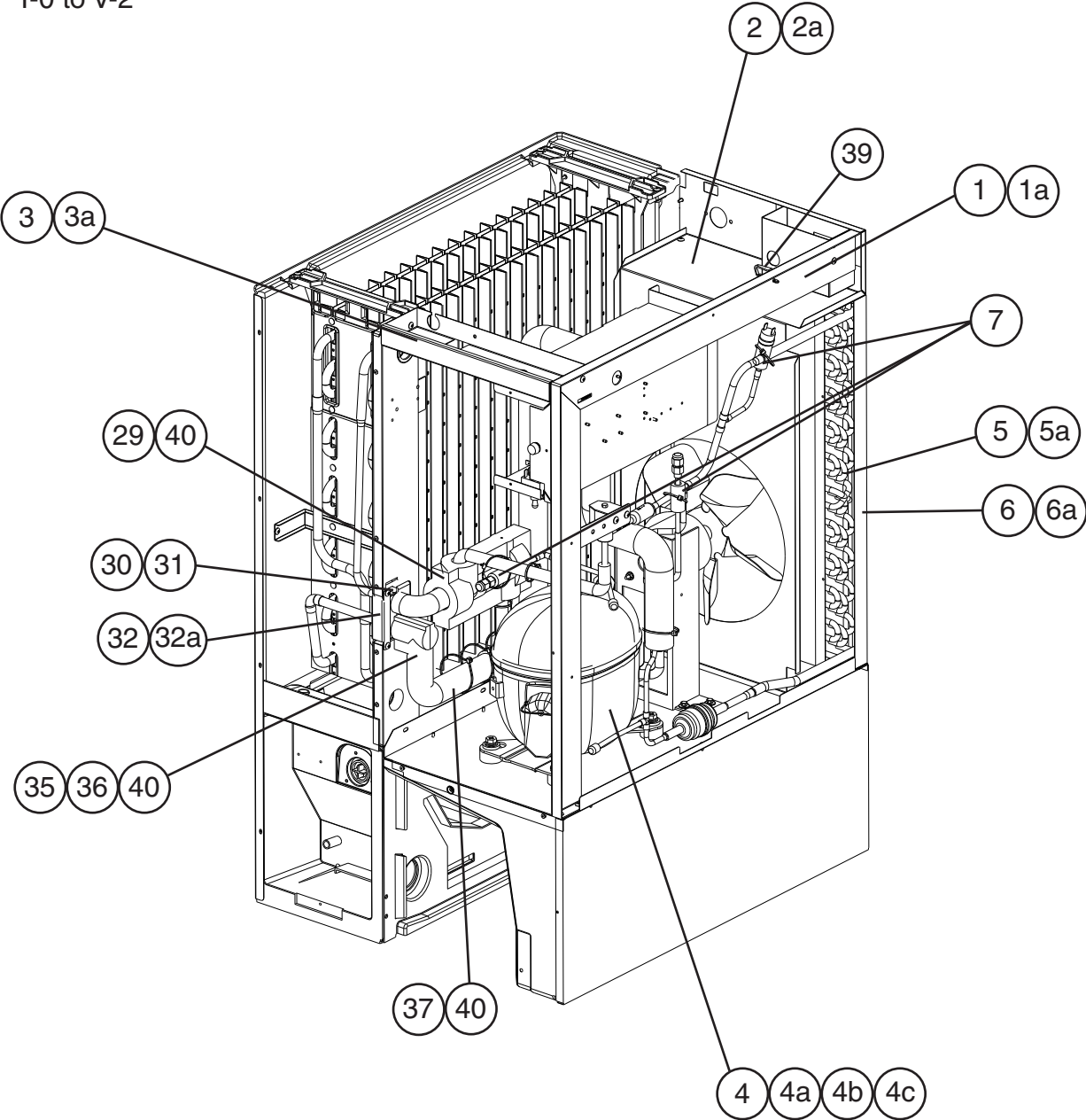
| Title: <b>A. Ice Cuber Assembly</b> Model: <b>KM-600MAH</b> |               |                          |             |                 |                  |     |  |  |  |  |  |  |
|-------------------------------------------------------------|---------------|--------------------------|-------------|-----------------|------------------|-----|--|--|--|--|--|--|
| Index No.                                                   | Description   | Material or Model Number | Part Number | Required Number |                  |     |  |  |  |  |  |  |
|                                                             |               |                          |             | T-0<br>U-0      | U-1<br>to<br>V-1 | V-2 |  |  |  |  |  |  |
| 21                                                          | Silicone Hose | L=380                    | 7730I3812   | 1               | -                |     |  |  |  |  |  |  |
| 22                                                          | Strap         |                          | 435487-01   | 1               | -                |     |  |  |  |  |  |  |
| 22a                                                         | Thumbscrew    | Black                    | 415949G10   | 1               | -                |     |  |  |  |  |  |  |
| 23                                                          | Bin Control   |                          | 2A4393G01   |                 | 1                | 1   |  |  |  |  |  |  |
| 23a                                                         | Thumbscrew    |                          | 415949G10   |                 | 2                | 2   |  |  |  |  |  |  |

**B. Refrigeration Circuit**

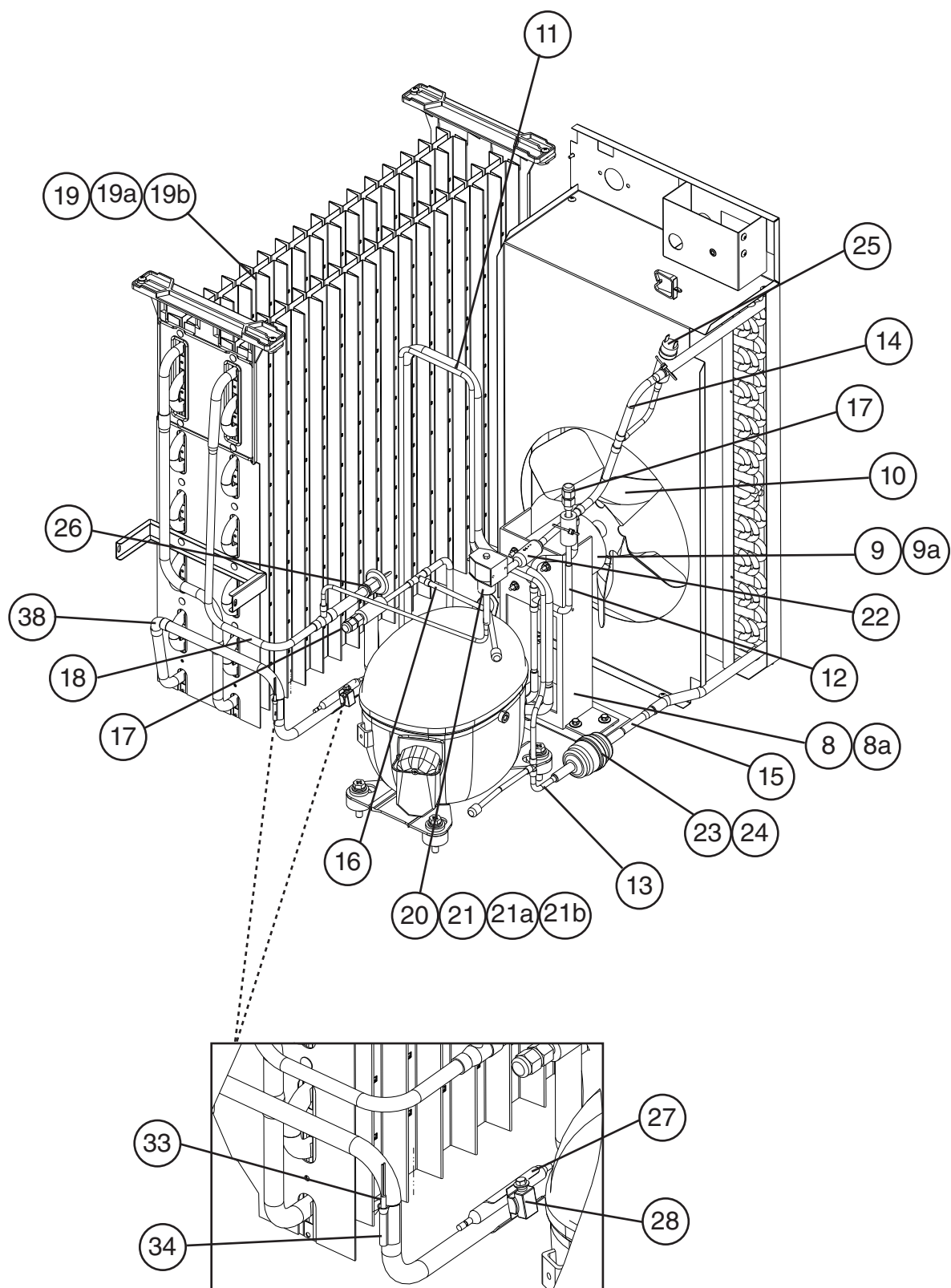
**1/2**

**KM-600MAH**

T-0 to V-2



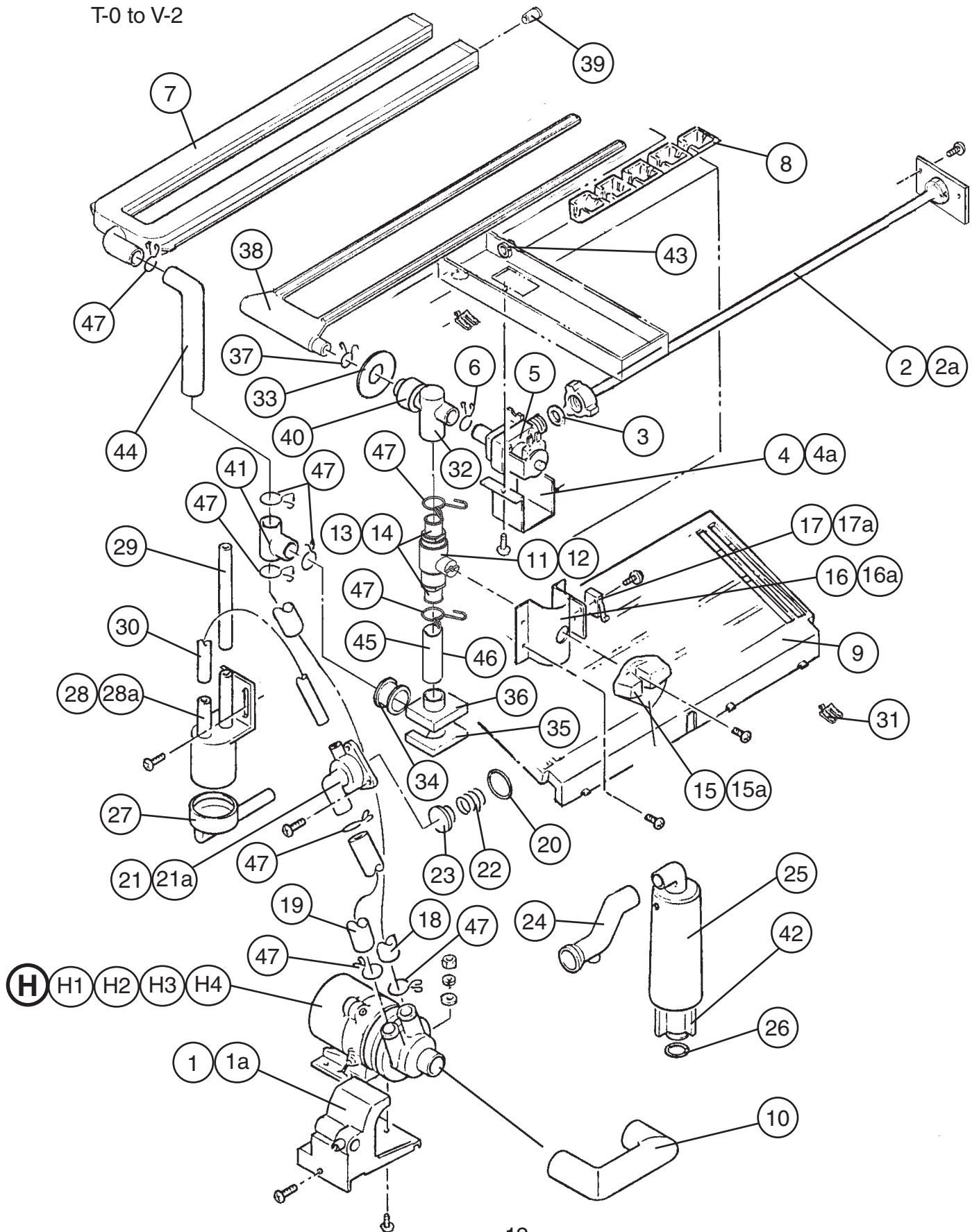
**B. Refrigeration Circuit**  
**2/2**  
**KM-600MAH**  
 T-0 to V-2



| Title: <b>B. Refrigeration Circuit</b> Model: <b>KM-600MAH</b> |                             |                          |             |                 |                  |  |  |  |  |  |  |
|----------------------------------------------------------------|-----------------------------|--------------------------|-------------|-----------------|------------------|--|--|--|--|--|--|
| Index No.                                                      | Description                 | Material or Model Number | Part Number | Required Number |                  |  |  |  |  |  |  |
|                                                                |                             |                          |             | T-0<br>U-0      | U-1<br>to<br>V-2 |  |  |  |  |  |  |
| 1                                                              | Side Frame                  |                          | 2A1301G01   | 1               | 1                |  |  |  |  |  |  |
| 1a                                                             | T2 Screw                    | 4x8                      | 7P31-0408   | 6               | 6                |  |  |  |  |  |  |
| 2                                                              | Shroud Assembly             |                          | 2A3849G01   | 1               | 1                |  |  |  |  |  |  |
| 2a                                                             | T2 Screw                    | 4x8                      | 7P31-0408   | 5               | 5                |  |  |  |  |  |  |
| 3                                                              | Top Frame (A)               |                          | 3A1893-01   | 1               | 1                |  |  |  |  |  |  |
| 3a                                                             | T2 Screw                    | 4x8                      | 7P31-0408   | 2               | 2                |  |  |  |  |  |  |
| 4                                                              | Compressor                  | RST55C1E-CAA-202         | 4A4376-01   | 1               | 1                |  |  |  |  |  |  |
| 4a                                                             | Grommet                     |                          | 4A2593-01   | 4               | 4                |  |  |  |  |  |  |
| 4b                                                             | Spacer                      |                          | 4A2595-01   | 4               | 4                |  |  |  |  |  |  |
| 4c                                                             | Bolt                        | 8x45                     | 437889-01   | 4               | 4                |  |  |  |  |  |  |
| 5                                                              | Condenser                   |                          | 2A3853-01   | 1               | 1                |  |  |  |  |  |  |
| 5a                                                             | T2 Screw                    | 4x8                      | 7P31-0408   | 4               | 4                |  |  |  |  |  |  |
| 6                                                              | Barrier                     |                          | 433693-02   | 1               | 1                |  |  |  |  |  |  |
| 6a                                                             | T2 Screw                    | 4x8                      | 7P31-0408   | 2               | 2                |  |  |  |  |  |  |
| 7                                                              | Insulation Tube             | L=40                     | 7762-1020   | 3               | 3                |  |  |  |  |  |  |
| 8                                                              | Fan Motor Bracket           |                          | 327180-01   | 1               | 1                |  |  |  |  |  |  |
| 8a                                                             | Hex Head Bolt w/Washer (LF) | 5x12                     | 7B0130512   | 4               | 4                |  |  |  |  |  |  |
| 9                                                              | Fan Motor                   | 50 Watt-GEHI             | 4A3158-01   | 1               | 1                |  |  |  |  |  |  |
| 9a                                                             | Self-Locking Nut            | No. 8-32                 | 7N21I0832   | 4               | 4                |  |  |  |  |  |  |
| 10                                                             | Fan Blade                   |                          | 4A3959-01   | 1               | 1                |  |  |  |  |  |  |
| 11                                                             | Heat Exchanger              |                          | 2A4585G02   | 1               | -                |  |  |  |  |  |  |
|                                                                |                             |                          | 2A5448G02   |                 | 1                |  |  |  |  |  |  |
| 12                                                             | Copper Tube (A)-High Side   |                          | 3A4829G01   | 1               | 1                |  |  |  |  |  |  |
| 13                                                             | Copper Tube (B)-High Side   |                          | 3A4803G01   | 1               | 1                |  |  |  |  |  |  |
| 14                                                             | Copper Tube (C)-High Side   |                          | 3A4475G01   | 1               | 1                |  |  |  |  |  |  |
| 15                                                             | Copper Tube (F)-High Side   |                          | 4A4084-01   | 1               | 1                |  |  |  |  |  |  |
| 16                                                             | Copper Tube-Access Valve    |                          | 3A4783G01   | 1               | -                |  |  |  |  |  |  |
|                                                                |                             |                          | 3A5967G01   |                 | 1                |  |  |  |  |  |  |
| 17                                                             | Access Valve                |                          | 457729-01   | 2               | 2                |  |  |  |  |  |  |
| 18                                                             | Copper Tube-Hot Gas         |                          | 2A4588G01   | 1               | 1                |  |  |  |  |  |  |
| 19                                                             | Evaporator                  |                          | 106396G01   | 1               | 1                |  |  |  |  |  |  |
| 19a                                                            | T2 Screw                    | 4x16, SS                 | 7P32-0416   | 4               | 4                |  |  |  |  |  |  |
| 19b                                                            | T2 Screw                    | 4x12, SS                 | 7P32-0412   | 2               | 2                |  |  |  |  |  |  |
| 20                                                             | Valve Body-Hot Gas          |                          | 4A3978-01   | 1               | 1                |  |  |  |  |  |  |
| 21                                                             | Coil-Valve                  |                          | 4A3277-01   | 1               | 1                |  |  |  |  |  |  |
| 21a                                                            | Bolt                        |                          | 4A3277F01   | 1               | 1                |  |  |  |  |  |  |
| 21b                                                            | Truss Head Screw            | 4x8                      | 7C31-0408   | 2               | 2                |  |  |  |  |  |  |
| 22                                                             | Strainer                    |                          | 441569-02   | 1               | 1                |  |  |  |  |  |  |
| 23                                                             | Drier                       |                          | 4A2666-01   | 1               | 1                |  |  |  |  |  |  |
| 24                                                             | Nylon Tie                   | PLWP3H-TL                | 8911-0301   | 1               | 1                |  |  |  |  |  |  |
| 25                                                             | Pressure Switch             |                          | 463180-04   | 1               | 1                |  |  |  |  |  |  |
| 26                                                             | Expansion Valve             |                          | 4A4619-01   | 1               | 1                |  |  |  |  |  |  |
| 27                                                             | Expansion Valve Holder      |                          | 3A0107-01   | 1               | 1                |  |  |  |  |  |  |
| 28                                                             | Clamp                       |                          | 443461-02   | 1               | 1                |  |  |  |  |  |  |
| 29                                                             | Expansion Valve Cover       |                          | 3A0944-01   | 1               | 1                |  |  |  |  |  |  |
| 30                                                             | Rubber Insulation (A)       |                          | 3A1044-01   | 1               | 1                |  |  |  |  |  |  |
| 31                                                             | Rubber Insulation (B)       |                          | 3A1045-01   | 1               | 1                |  |  |  |  |  |  |

| Title: <b>B. Refrigeration Circuit</b> Model: <b>KM-600MAH</b> |                           |                          |             |                 |                  |  |  |  |  |  |  |  |
|----------------------------------------------------------------|---------------------------|--------------------------|-------------|-----------------|------------------|--|--|--|--|--|--|--|
| Index No.                                                      | Description               | Material or Model Number | Part Number | Required Number |                  |  |  |  |  |  |  |  |
|                                                                |                           |                          |             | T-0<br>U-0      | U-1<br>to<br>V-2 |  |  |  |  |  |  |  |
| 32                                                             | Insulation Holder         | SS                       | 4A1550-01   | 1               | 1                |  |  |  |  |  |  |  |
| 32a                                                            | T2 Screw                  | 4×8, SS                  | 7P32-0408   | 2               | 2                |  |  |  |  |  |  |  |
| 33                                                             | Thermistor                | L=1050                   | 429006-03   | 1               | 1                |  |  |  |  |  |  |  |
| 34                                                             | Holder-Thermistor         |                          | 427430-01   | 1               | 1                |  |  |  |  |  |  |  |
| 35                                                             | Insulation-Thermistor (A) |                          | 439368-01   | 1               | 1                |  |  |  |  |  |  |  |
| 36                                                             | Insulation-Thermistor (B) |                          | 439368-02   | 1               | 1                |  |  |  |  |  |  |  |
| 37                                                             | Insulation Tube           | L=200                    | 7762-3555   | 1               | 1                |  |  |  |  |  |  |  |
| 38                                                             | Elbow                     |                          | 417395-03   | 1               | -                |  |  |  |  |  |  |  |
| 39                                                             | Clamp                     |                          | 4A2338-01   | 1               | 1                |  |  |  |  |  |  |  |
| 40                                                             | Nylon Tie                 |                          | 8911-0200   | 15              | 15               |  |  |  |  |  |  |  |

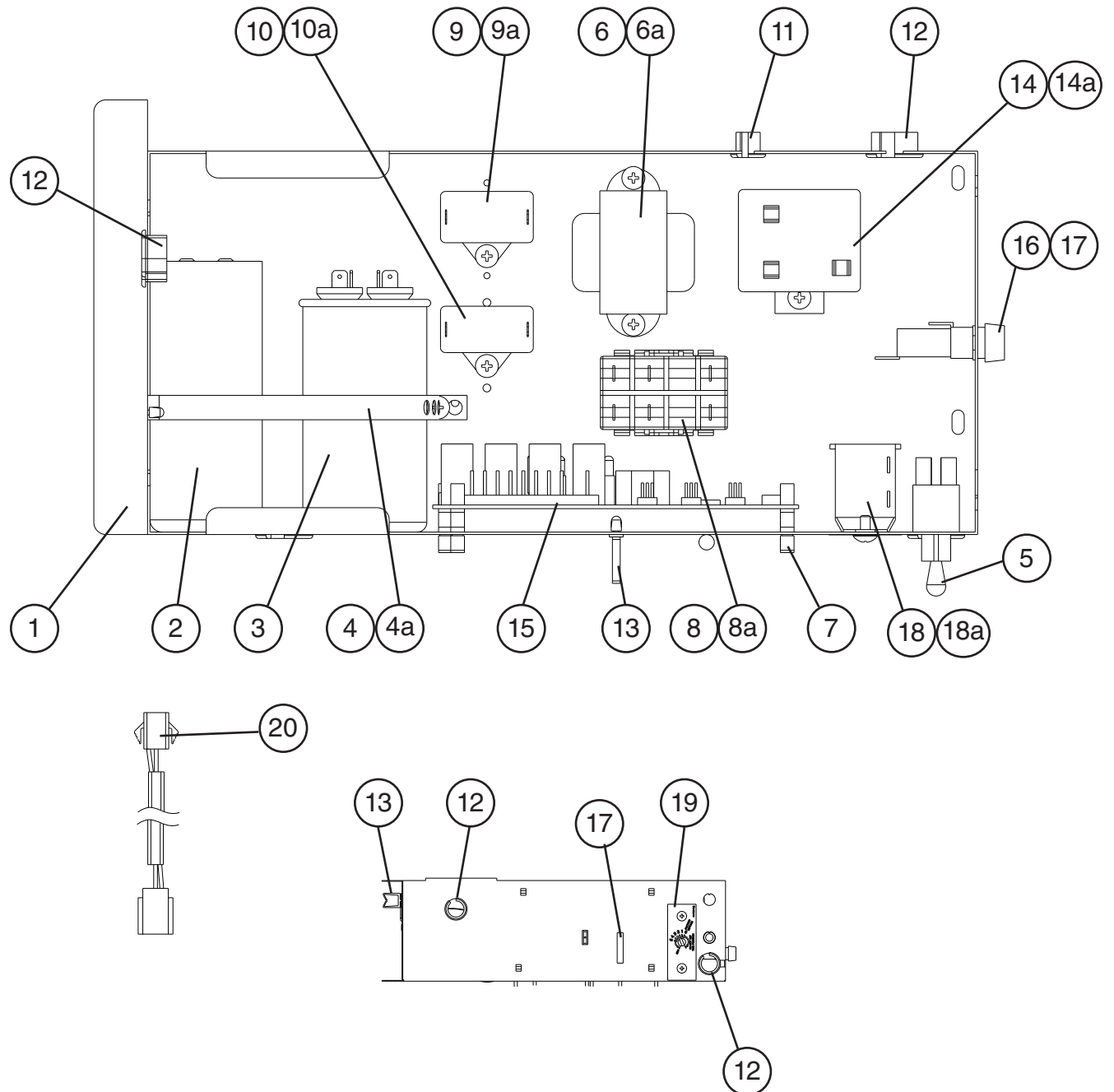
**C. Water Circuit**  
**KM-600MAH**  
 T-0 to V-2



| Title: <b>C. Water Circuit</b> Model: <b>KM-600MAH</b> |                                                     |                          |             |            |                 |  |  |  |  |  |  |  |  |
|--------------------------------------------------------|-----------------------------------------------------|--------------------------|-------------|------------|-----------------|--|--|--|--|--|--|--|--|
| Index No.                                              | Description                                         | Material or Model Number | Part Number | T-0 to V-2 | Required Number |  |  |  |  |  |  |  |  |
|                                                        |                                                     |                          |             |            |                 |  |  |  |  |  |  |  |  |
| H                                                      | Pump Motor Assembly                                 | HS-0176                  | 3A2638A03   | 1          |                 |  |  |  |  |  |  |  |  |
| H1                                                     | Truss Head Screw                                    | 4x16, SS                 | 7C32-0416   | 1          |                 |  |  |  |  |  |  |  |  |
| H2                                                     | Flat Washer                                         | M4, SS                   | 7W22-0400   | 1          |                 |  |  |  |  |  |  |  |  |
| H3                                                     | Split Lock Washer                                   | M4, SS                   | 7L22-0400   | 1          |                 |  |  |  |  |  |  |  |  |
| H4                                                     | Hex Nut                                             | M4, SS                   | 7N12-0400   | 1          |                 |  |  |  |  |  |  |  |  |
|                                                        |                                                     |                          |             |            |                 |  |  |  |  |  |  |  |  |
| 1                                                      | Pump Motor Bracket                                  |                          | 211408-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 1a                                                     | Flat Head T2 Screw                                  | 4x12, SS                 | 7P22-0412   | 1          |                 |  |  |  |  |  |  |  |  |
| 2                                                      | Water Supply Pipe                                   |                          | 4A0768G04   | 1          |                 |  |  |  |  |  |  |  |  |
| 2a                                                     | T2 Screw                                            | 4x8                      | 7P31-0408   | 2          |                 |  |  |  |  |  |  |  |  |
| 3                                                      | Rubber Gasket                                       |                          | 413854-03   | 1          |                 |  |  |  |  |  |  |  |  |
| 4                                                      | Water Valve Bracket                                 |                          | 321443-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 4a                                                     | T2 Screw                                            | 4x8                      | 7P31-0408   | 1          |                 |  |  |  |  |  |  |  |  |
| 5                                                      | Water Valve                                         | J248-033                 | 3U0111-03   | 1          |                 |  |  |  |  |  |  |  |  |
| 6                                                      | Hose Clamp                                          | 18mm, SS                 | 427443-05   | 1          |                 |  |  |  |  |  |  |  |  |
| 7                                                      | Spray Tube                                          |                          | 1A0260-02   | 1          |                 |  |  |  |  |  |  |  |  |
| 8                                                      | Spray Guide (A)                                     |                          | 208586-01   | 6          |                 |  |  |  |  |  |  |  |  |
| 9                                                      | Cube Guide                                          |                          | 212088-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 10                                                     | Suction Hose                                        | EPDM Black               | 433466-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 11                                                     | Ball Valve Assembly (includes items 12, 13, and 14) | S-0761                   | 442137A01   | 1          |                 |  |  |  |  |  |  |  |  |
| 12                                                     | Ball Valve                                          |                          | 439293-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 13                                                     | Male Adaptor                                        |                          | 325826-01   | 2          |                 |  |  |  |  |  |  |  |  |
| 14                                                     | "O" Ring                                            |                          | 7611-P018   | 2          |                 |  |  |  |  |  |  |  |  |
| 15                                                     | Handle                                              |                          | 215383-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 15a                                                    | T2 Screw                                            | 4x8                      | 7P31-0408   | 1          |                 |  |  |  |  |  |  |  |  |
| 16                                                     | Valve Holder                                        |                          | 3A1178-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 16a                                                    | FT Screw                                            | 4x8                      | 7F31-0408   | 3          |                 |  |  |  |  |  |  |  |  |
| 17                                                     | Microswitch                                         |                          | 4A2546-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 17a                                                    | Tapping Screw                                       | 3x14                     | 431415-02   | 2          |                 |  |  |  |  |  |  |  |  |
| 18                                                     | Vinyl Hose                                          | L=250                    | 7716-2025   | 1          |                 |  |  |  |  |  |  |  |  |
| 19                                                     | Vinyl Hose                                          | L=110                    | 7716-2025   | 1          |                 |  |  |  |  |  |  |  |  |
| 20                                                     | "O" Ring                                            |                          | 7611-G035   | 1          |                 |  |  |  |  |  |  |  |  |
| 21                                                     | Valve Housing-Drain                                 |                          | 321001-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 21a                                                    | T2 Screw                                            | 4x10, SS                 | 7P32-0410   | 3          |                 |  |  |  |  |  |  |  |  |
| 22                                                     | Spring                                              |                          | 322110-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 23                                                     | Valve Seat                                          | EPDM Black               | 433705-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 24                                                     | Drain Hose                                          |                          | 433468-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 25                                                     | Overflow Cap                                        |                          | 321002-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 26                                                     | "O" Ring                                            |                          | 4A1234-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 27                                                     | Connector-Float Switch                              |                          | 426799-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 28                                                     | Float Switch                                        |                          | 4A3624-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 28a                                                    | T2 Screw                                            | 4x12, SS                 | 7P32-0412   | 2          |                 |  |  |  |  |  |  |  |  |
| 29                                                     | Silicone Hose                                       | L=140                    | 7730I3812   | 1          |                 |  |  |  |  |  |  |  |  |
| 30                                                     | Silicone Hose                                       | L=140                    | 7730I3896   | 1          |                 |  |  |  |  |  |  |  |  |
| 31                                                     | Wire Saddle                                         |                          | 4A0338-02   | 4          |                 |  |  |  |  |  |  |  |  |
| 32                                                     | Tee                                                 |                          | 4A0177-01   | 1          |                 |  |  |  |  |  |  |  |  |

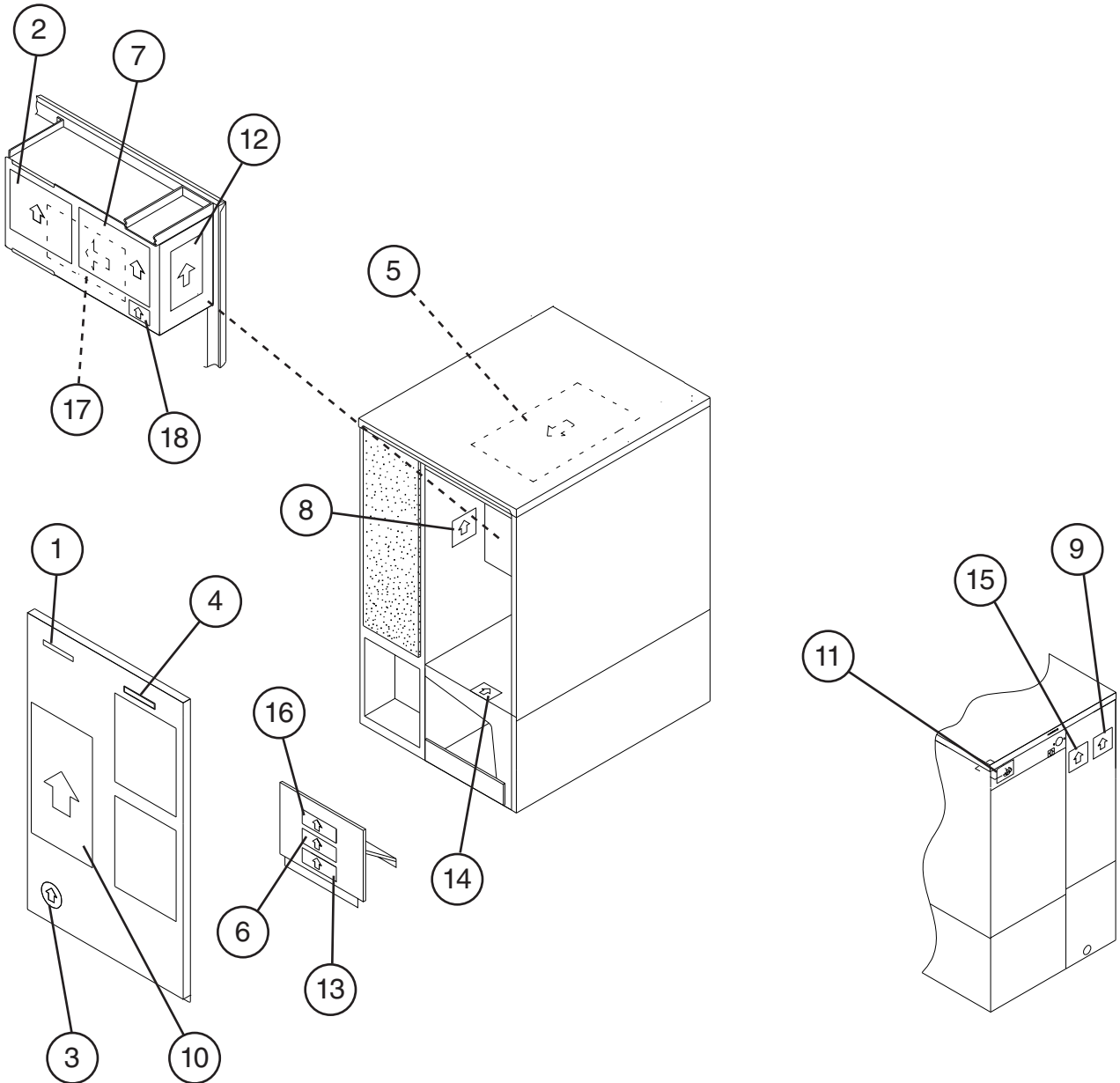
| Title: <b>C. Water Circuit</b> Model: <b>KM-600MAH</b> |                       |                          |             |                 |  |  |  |  |  |  |  |  |
|--------------------------------------------------------|-----------------------|--------------------------|-------------|-----------------|--|--|--|--|--|--|--|--|
| Index No.                                              | Description           | Material or Model Number | Part Number | Required Number |  |  |  |  |  |  |  |  |
|                                                        |                       |                          |             | T-0 to V-2      |  |  |  |  |  |  |  |  |
| 33                                                     | Flange                |                          | 439267-01   | 1               |  |  |  |  |  |  |  |  |
| 34                                                     | Rubber Ring           |                          | 439236-01   | 1               |  |  |  |  |  |  |  |  |
| 35                                                     | Corner Insulation (A) |                          | 439376-01   | 1               |  |  |  |  |  |  |  |  |
| 36                                                     | Corner Insulation (B) |                          | 439392-01   | 1               |  |  |  |  |  |  |  |  |
| 37                                                     | Hose Clamp            | 20mm, SS                 | 427443-06   | 1               |  |  |  |  |  |  |  |  |
| 38                                                     | Water Supply Tube     |                          | 2A0079-01   | 1               |  |  |  |  |  |  |  |  |
| 39                                                     | Plug                  |                          | 4A0176-01   | 2               |  |  |  |  |  |  |  |  |
| 40                                                     | Insulation (E)        |                          | 4A0392-01   | 1               |  |  |  |  |  |  |  |  |
| 41                                                     | Distributor           |                          | 432426-01   | 1               |  |  |  |  |  |  |  |  |
| 42                                                     | Overflow Pipe         |                          | 430722-01   | 1               |  |  |  |  |  |  |  |  |
| 43                                                     | Bushing               | OCB-875                  | 428394-04   | 1               |  |  |  |  |  |  |  |  |
| 44                                                     | Rubber Hose (A)       |                          | 4A1551-01   | 1               |  |  |  |  |  |  |  |  |
| 45                                                     | Rubber Hose (B)       |                          | 4A1551-02   | 1               |  |  |  |  |  |  |  |  |
| 46                                                     | Insulation Tube       | L=370                    | 7762-2636   | 1               |  |  |  |  |  |  |  |  |
| 47                                                     | Clamp                 | 25mm, SS                 | 427443-03   | 9               |  |  |  |  |  |  |  |  |

# **D. Control Box Assembly** **KM-600MAH** T-0 to V-2



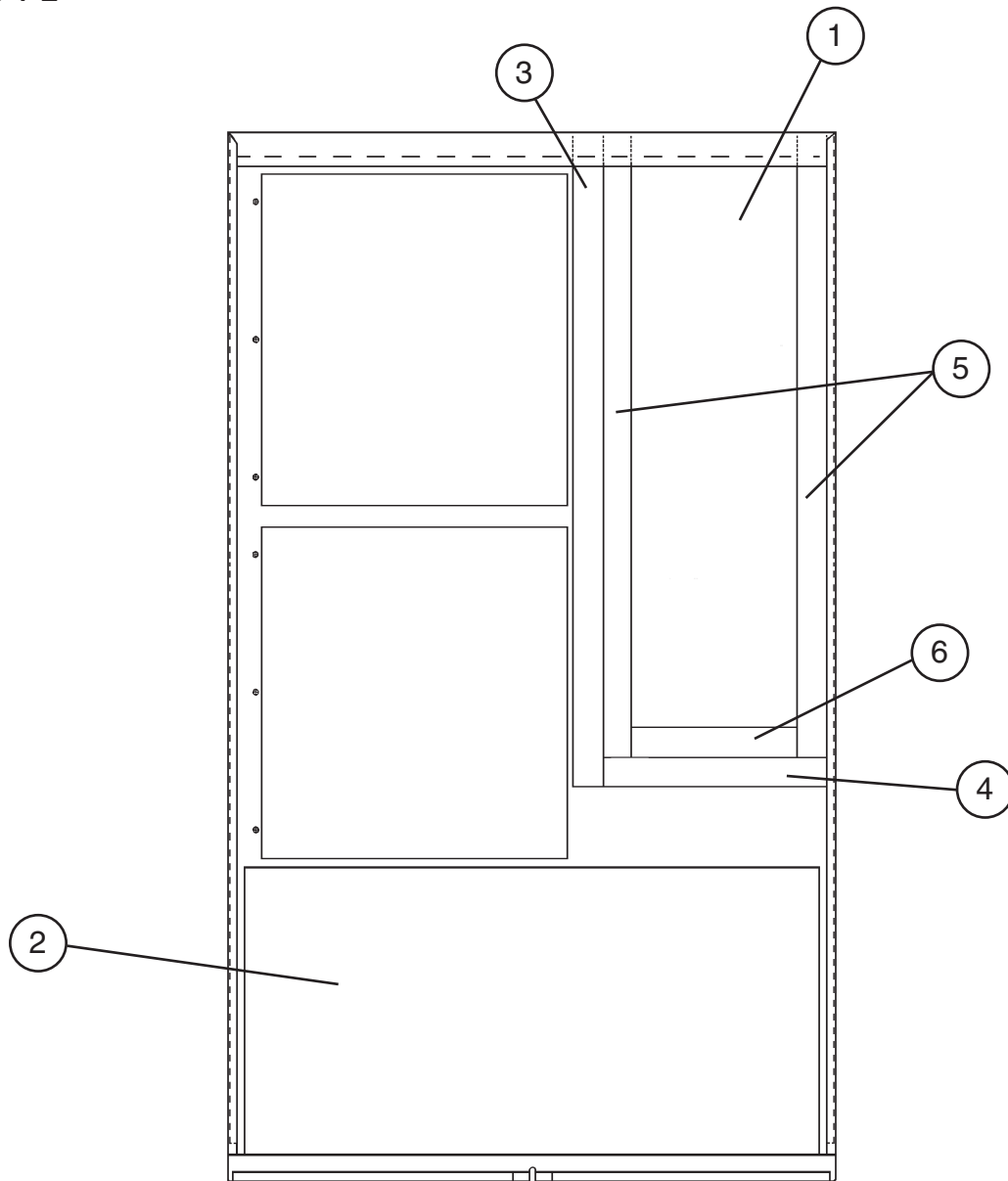
| Title: <b>D. Control Box Assembly</b> Model: <b>KM-600MAH</b> |                    |                          |             |                 |                  |     |  |  |  |  |  |  |
|---------------------------------------------------------------|--------------------|--------------------------|-------------|-----------------|------------------|-----|--|--|--|--|--|--|
| Index No.                                                     | Description        | Material or Model Number | Part Number | Required Number |                  |     |  |  |  |  |  |  |
|                                                               |                    |                          |             | T-0<br>U-0      | U-1<br>to<br>V-1 | V-2 |  |  |  |  |  |  |
| 1                                                             | Control Box        |                          | 3A2372G02   | 1               | -                |     |  |  |  |  |  |  |
|                                                               |                    |                          | 3A2372G04   |                 | 1                | -   |  |  |  |  |  |  |
|                                                               |                    |                          | 3A2372G05   |                 |                  | 1   |  |  |  |  |  |  |
| 2                                                             | Start Capacitor    | 243-292MFD,<br>165VAC    | 3A0076-20   | 1               | 1                | 1   |  |  |  |  |  |  |
| 3                                                             | Run Capacitor      | 35MFD,<br>440VAC         | 3A2005-12   | 1               | 1                | 1   |  |  |  |  |  |  |
| 4                                                             | Strap              |                          | 4A2262-03   | 1               | 1                | 1   |  |  |  |  |  |  |
| 4a                                                            | T2 Screw           | 4x8                      | 7P31-0408   | 1               | 1                | 1   |  |  |  |  |  |  |
| 5                                                             | Toggle Switch      |                          | 443119-01   | 1               | 1                | 1   |  |  |  |  |  |  |
| 6                                                             | Transformer        | 26D285H                  | 3A0172-01   | 1               | 1                | 1   |  |  |  |  |  |  |
| 6a                                                            | T2 Screw           | 4x8                      | 7P31-0408   | 2               | 2                | 2   |  |  |  |  |  |  |
| 7                                                             | Board Support      |                          | 4A0336-03   | 4               | 4                | 4   |  |  |  |  |  |  |
| 8                                                             | Magnetic Contactor |                          | 428393-01   | 1               | 1                | -   |  |  |  |  |  |  |
|                                                               | Compressor Relay   |                          | 4A3140-01   |                 |                  | 1   |  |  |  |  |  |  |
| 8a                                                            | T2 Screw           | 4x8                      | 7P31-0408   | 2               | 2                | 2   |  |  |  |  |  |  |
| 9                                                             | Capacitor-Pump     | 5.5MFD,<br>250VAC        | 443192-03   | 1               | 1                | 1   |  |  |  |  |  |  |
| 9a                                                            | T2 Screw           | 4x10                     | 7P31-0410   | 1               | 1                | 1   |  |  |  |  |  |  |
| 10                                                            | Capacitor-Fan      | 5.0MFD,<br>250VAC        | 443192-02   | 1               | 1                | 1   |  |  |  |  |  |  |
| 10a                                                           | T2 Screw           | 4x10                     | 7P31-0410   | 1               | 1                | 1   |  |  |  |  |  |  |
| 11                                                            | Bushing            | OCB-500                  | 428394-02   | 1               | 1                | 1   |  |  |  |  |  |  |
| 12                                                            | Bushing            | OCB-875                  | 428394-04   | 4               | 4                | 4   |  |  |  |  |  |  |
| 13                                                            | Wire Saddle        |                          | 4A0338-02   | 2               | 2                | 2   |  |  |  |  |  |  |
| 14                                                            | Starter            | 3ARR3KC10V5              | 4A1107-12   | 1               | -                |     |  |  |  |  |  |  |
|                                                               |                    | 3ARR3CT5M5               | 4A1107-11   |                 | 1                | 1   |  |  |  |  |  |  |
| 14a                                                           | T2 Screw           | 4x8                      | 7P31-0408   | 1               | 1                | 1   |  |  |  |  |  |  |
| 15                                                            | Control Board      |                          | 2A1410-01   | 1               | -                |     |  |  |  |  |  |  |
|                                                               |                    |                          | 2A3792-01   |                 | 1                | 1   |  |  |  |  |  |  |
| 16                                                            | Fuse Holder        | HTB821                   | 4A3449-01   | 1               | 1                | 1   |  |  |  |  |  |  |
| 17                                                            | Fuse               | AGC-10 250V<br>10A       | 4A0893-07   | 2               | 2                | 2   |  |  |  |  |  |  |
| 18                                                            | Thermostat         | YTB-3U112                | 4A2879-01   | 1               | -                |     |  |  |  |  |  |  |
| 18a                                                           | Truss Head Screw   | 4x8                      | 7C31-0408   | 2               | -                |     |  |  |  |  |  |  |
| 19                                                            | Control Label      |                          | 4A1758-01   | 1               | -                |     |  |  |  |  |  |  |
| 20                                                            | Wire Harness       |                          | 4A2200G04   |                 | 1                | 1   |  |  |  |  |  |  |

**E. Label Location**  
**KM-600MAH**  
 T-0 to V-2



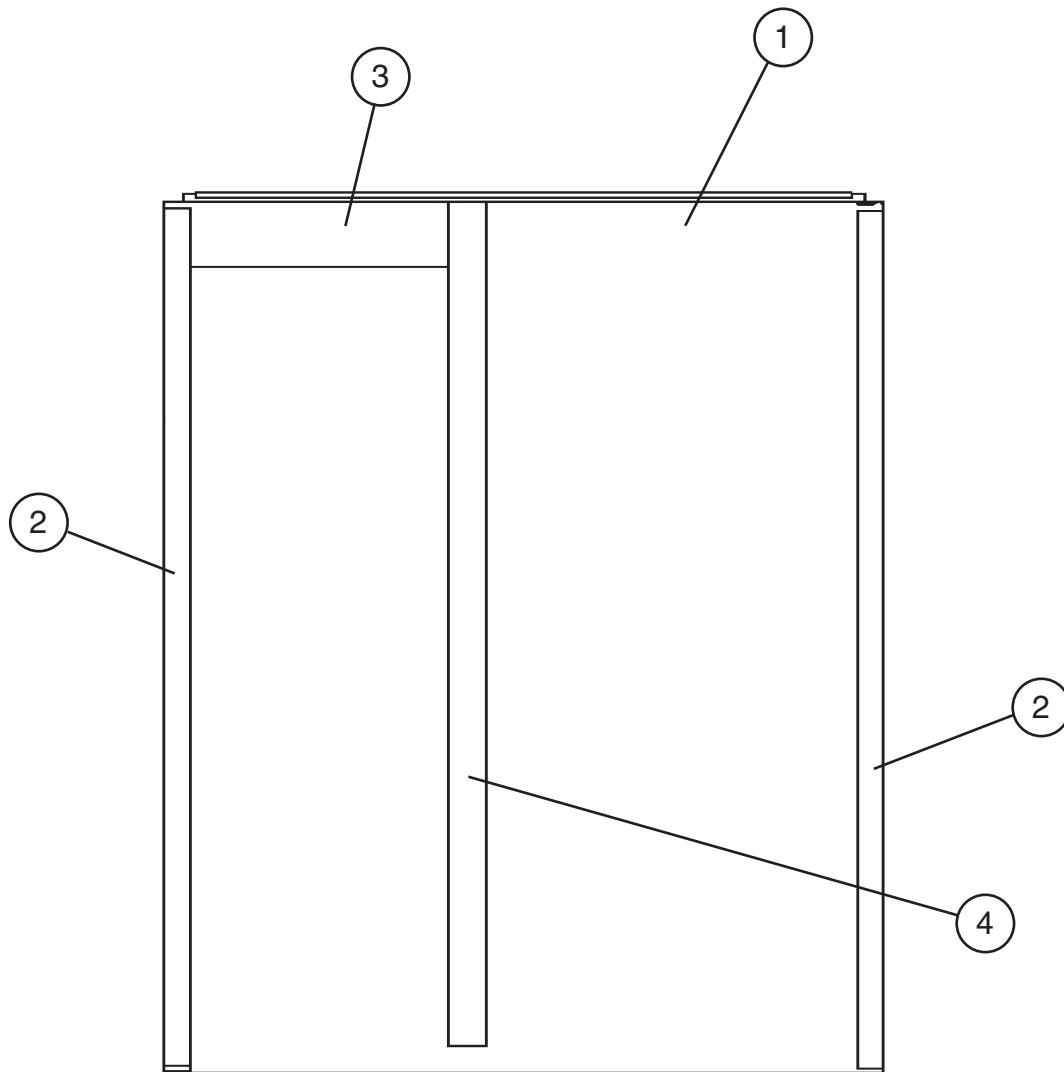
| Title: <b>E. Label Location</b> Model: <b>KM-600MAH</b> |                                    |                          |             |                 |                  |  |  |  |  |  |  |  |
|---------------------------------------------------------|------------------------------------|--------------------------|-------------|-----------------|------------------|--|--|--|--|--|--|--|
| Index No.                                               | Description                        | Material or Model Number | Part Number | Required Number |                  |  |  |  |  |  |  |  |
|                                                         |                                    |                          |             | T-0<br>U-0      | U-1<br>to<br>V-2 |  |  |  |  |  |  |  |
| 1                                                       | Emblem                             |                          | 4A0560-01   | 1               | 1                |  |  |  |  |  |  |  |
| 2                                                       | Label-Alarm                        |                          | 4A3517-01   | 1               | -                |  |  |  |  |  |  |  |
|                                                         |                                    |                          | 4A4737-01   |                 | 1                |  |  |  |  |  |  |  |
| 3                                                       | Label-Penguin-R                    |                          | 4A0526-01   | 1               | 1                |  |  |  |  |  |  |  |
| 4                                                       | Label-Air Filter                   |                          | 426177-01   | 1               | 1                |  |  |  |  |  |  |  |
| 5                                                       | Maintenance Label                  |                          | 326218-01   | 1               | -                |  |  |  |  |  |  |  |
|                                                         |                                    |                          | 3A5404-01   |                 | 1                |  |  |  |  |  |  |  |
| 6                                                       | Caution Label (K)                  |                          | 439150-01   | 1               | -                |  |  |  |  |  |  |  |
|                                                         | Warning Label (K)                  |                          | 4A4736-01   |                 | 1                |  |  |  |  |  |  |  |
| 7                                                       | Wiring Label                       |                          | 3A4816-01   | 1               | -                |  |  |  |  |  |  |  |
|                                                         |                                    |                          | 3A5940-01   |                 | 1                |  |  |  |  |  |  |  |
| 8                                                       | Rating Label                       |                          | 2A4623-01   | 1               | 1                |  |  |  |  |  |  |  |
| 9                                                       | Nameplate                          |                          | 2A4624-01   | 1               | 1                |  |  |  |  |  |  |  |
| 10                                                      | Instruction Sheet                  |                          | 2A4371-01   | 1               |                  |  |  |  |  |  |  |  |
| 11                                                      | Tag-Warning: Electrical Connection |                          | 435005-01   | 1               | -                |  |  |  |  |  |  |  |
|                                                         |                                    |                          | 4A4766-01   |                 | 1                |  |  |  |  |  |  |  |
| 12                                                      | Manual Label                       |                          | 4A2864-01   | 1               | -                |  |  |  |  |  |  |  |
|                                                         |                                    |                          | 4A4839-01   |                 | 1                |  |  |  |  |  |  |  |
| 13                                                      | Operation Label-Valve              |                          | 439541-01   | 1               | -                |  |  |  |  |  |  |  |
|                                                         |                                    |                          | 4A4828-01   |                 | 1                |  |  |  |  |  |  |  |
| 14                                                      | Label-R404A                        |                          | 4A0960-01   | 1               | 1                |  |  |  |  |  |  |  |
| 15                                                      | Instruction Label                  |                          | 444575-01   | 1               | 1                |  |  |  |  |  |  |  |
| 16                                                      | Caution Label (F)                  |                          | 439146-01   | 1               | -                |  |  |  |  |  |  |  |
|                                                         | Warning Label (F)                  |                          | 4A4767-01   |                 | 1                |  |  |  |  |  |  |  |
| 17                                                      | Label-Control Board                |                          | 3A2220-01   | 1               | -                |  |  |  |  |  |  |  |
|                                                         |                                    |                          | 3A4799-01   |                 | 1                |  |  |  |  |  |  |  |
| 18                                                      | Label-Fuse                         |                          | 4A2817-01   | 1               | -                |  |  |  |  |  |  |  |
|                                                         |                                    |                          | 4A4829-01   |                 | 1                |  |  |  |  |  |  |  |

**F. Front Panel Assembly**  
**KM-600MAH**  
T-0 to V-2



| Title: <b>F. Front Panel Assembly</b> Model: <b>KM-600MAH</b> |                 |                          |             |                 |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------|-----------------|--------------------------|-------------|-----------------|--|--|--|--|--|--|--|--|--|
| Index No.                                                     | Description     | Material or Model Number | Part Number | Required Number |  |  |  |  |  |  |  |  |  |
|                                                               |                 |                          |             | T-0 to V-2      |  |  |  |  |  |  |  |  |  |
| 1                                                             | Front Panel (A) | SS                       | 2A2130-03   | 1               |  |  |  |  |  |  |  |  |  |
| 2                                                             | Insulation (A)  |                          | 4A2507-01   | 1               |  |  |  |  |  |  |  |  |  |
| 3                                                             | Foam Seal       | L=640                    | 4A0661L01   | 1               |  |  |  |  |  |  |  |  |  |
| 4                                                             | Foam Seal       | L=220                    | 4A0661L01   | 1               |  |  |  |  |  |  |  |  |  |
| 5                                                             | Foam Seal       | L=610                    | 4A1163L01   | 2               |  |  |  |  |  |  |  |  |  |
| 6                                                             | Foam Seal       | L=160                    | 4A1163L01   | 1               |  |  |  |  |  |  |  |  |  |

**G. Top Panel Assembly**  
**KM-600MAH**  
T-0 to V-2

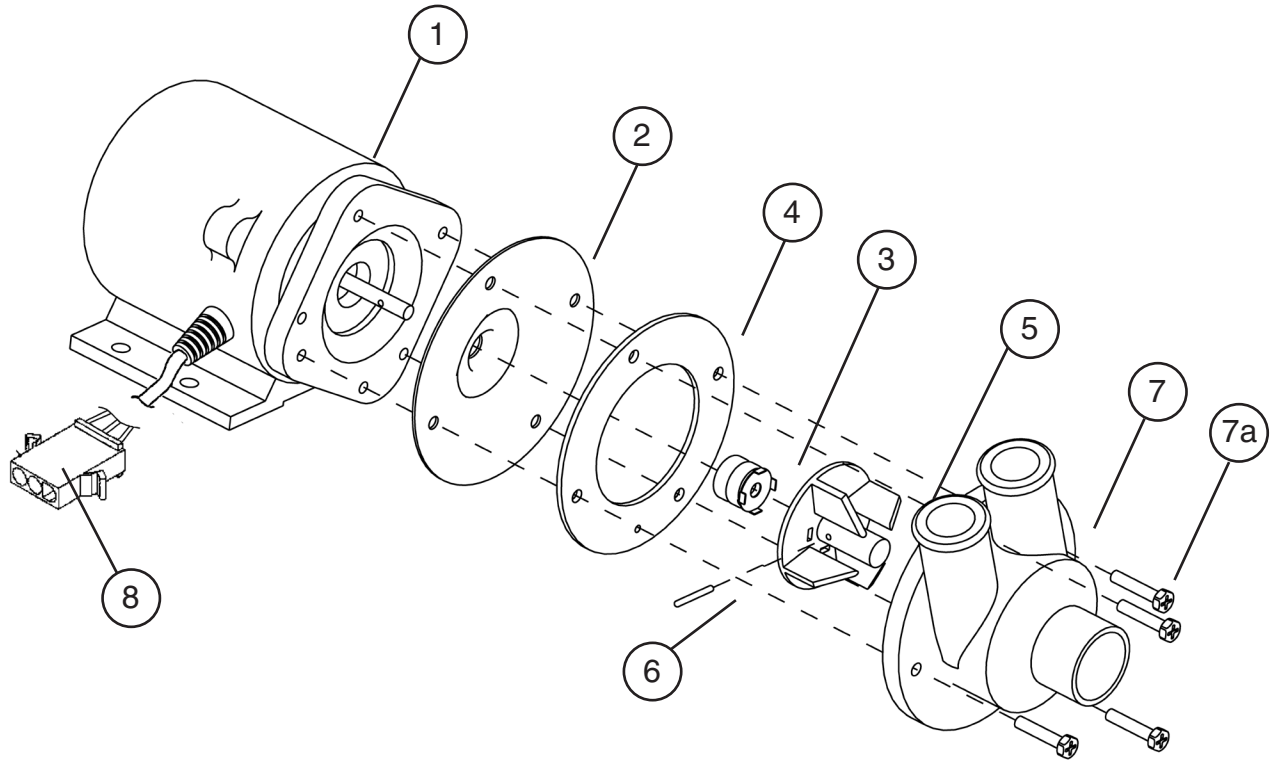


| Title: <b>G. Top Panel Assembly</b> Model: <b>KM-600MAH</b> |             |                          |             |            |                 |  |  |  |  |  |  |  |
|-------------------------------------------------------------|-------------|--------------------------|-------------|------------|-----------------|--|--|--|--|--|--|--|
| Index No.                                                   | Description | Material or Model Number | Part Number | T-0 to V-2 | Required Number |  |  |  |  |  |  |  |
|                                                             |             |                          |             |            |                 |  |  |  |  |  |  |  |
| 1                                                           | Top Panel   | SS                       | 2A2133-01   | 1          |                 |  |  |  |  |  |  |  |
| 2                                                           | Gasket      |                          | 427014-04   | 2          |                 |  |  |  |  |  |  |  |
| 3                                                           | Insulation  |                          | 438012-01   | 1          |                 |  |  |  |  |  |  |  |
| 4                                                           | Foam Seal   | L=658                    | 4A1163L01   | 1          |                 |  |  |  |  |  |  |  |

## H. Pump Motor Assembly

### KM-600MAH

T-0 to V-2



| Title: <b>H. Pump Motor Assembly</b> Model: <b>KM-600MAH</b> |                 |                          |             |            |                 |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------|-----------------|--------------------------|-------------|------------|-----------------|--|--|--|--|--|--|--|--|
| Index No.                                                    | Description     | Material or Model Number | Part Number | T-0 to V-2 | Required Number |  |  |  |  |  |  |  |  |
|                                                              |                 |                          |             |            |                 |  |  |  |  |  |  |  |  |
| 1                                                            | Pump Motor      | APTA9210WD1              | 2A2758-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 2                                                            | Pump Flange     |                          | 3A2988-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 3                                                            | Mechanical Seal |                          | 465627-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 4                                                            | Pump Gasket     |                          | 4A2974-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 5                                                            | Impeller        |                          | 433522-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 6                                                            | Pin             |                          | 4A0648-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 7                                                            | Pump Housing    |                          | 211409-01   | 1          |                 |  |  |  |  |  |  |  |  |
| 7a                                                           | Screw           | 4x20, Geomet             | 4A3871-01   | 4          |                 |  |  |  |  |  |  |  |  |
| 8                                                            | Plug Housing    | 3P 3191-03P              | 412832-06   | 1          |                 |  |  |  |  |  |  |  |  |

## J. Accessories & Packaging

### KM-600MAH

T-0 to V-2

| Title: J. Accessories & Packaging    Model: KM-600MAH |                    |                          |             |                 |  |  |  |  |  |  |  |  |
|-------------------------------------------------------|--------------------|--------------------------|-------------|-----------------|--|--|--|--|--|--|--|--|
| Index No.                                             | Description        | Material or Model Number | Part Number | Required Number |  |  |  |  |  |  |  |  |
|                                                       |                    |                          |             | T-0 to V-2      |  |  |  |  |  |  |  |  |
| 1                                                     | Instruction Manual |                          | 91A1KQ10C   | 1               |  |  |  |  |  |  |  |  |
| 2                                                     | Universal Brace    |                          | 4A0363-01   | 2               |  |  |  |  |  |  |  |  |
| 2a                                                    | Hex Bolt           | 5x12, SS                 | 7B02-0512   | 4               |  |  |  |  |  |  |  |  |
|                                                       |                    |                          |             |                 |  |  |  |  |  |  |  |  |
|                                                       | Packaging          |                          | 2A2145A01   |                 |  |  |  |  |  |  |  |  |