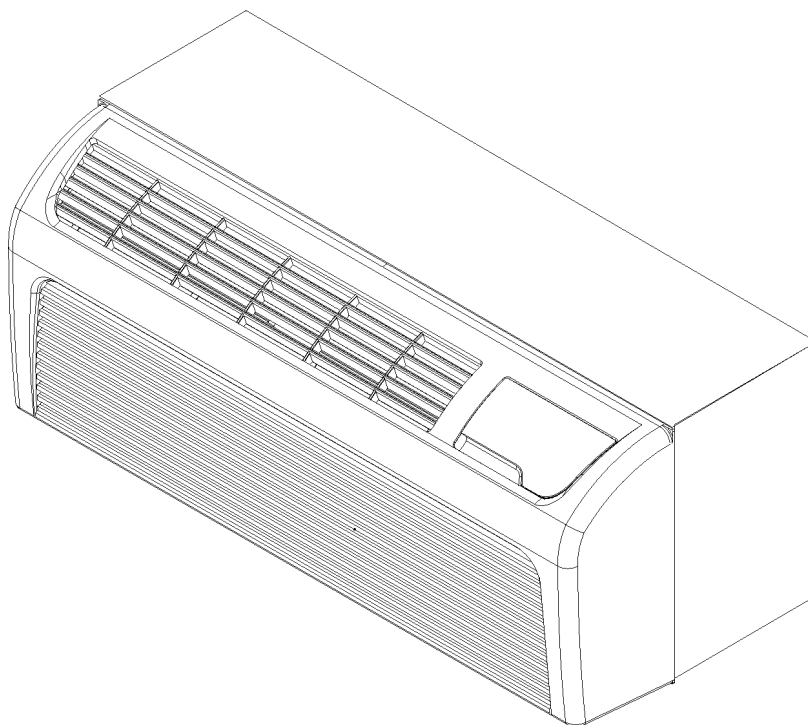


## PTC/H12\*CA Packaged Terminal Air Conditioners & Heat Pumps

PTC123C15AMCA  
PTC123C25AMCA  
PTC123C25CMCA  
PTC123C25CWCA  
PTC123C35AMCA  
PTC123C35AWCA  
PTC123C35CMCA  
PTC124C35AMCA  
PTC124C35CMCA  
PTH123C25AMCA  
PTH123C25CMCA  
PTH123C35AMCA  
PTH123C35AWCA  
PTH123C35CMCA  
PTH124C25AMCA  
PTH124C35AMCA  
PTH124C35AWCA  
PTH124C35JMCA



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This manual is to be used by qualified technicians only.

The following manual replaces RP-539A.

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## Important Information

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*Views shown are for parts illustrations only, not servicing procedures.*

Rev. B: Added models PTC123C25CWCA and PTH124C25AMCA.

#### Text Codes:

AR - As Required

NA - Not Available

NS - Not Shown

00000000 - See Note

QTY - Quantity    Example (QTY 3) (If Quantity not shown, Quantity = 1)

M - Model        Example (M1) (If M Code not shown, then part is used on all Models)

#### Expanded Model Nomenclature:

Example

M1 - Model#1

M2 - Model#2

M3 - Model#3

Goodman Company, L.P. is not responsible for personal injury or property damage resulting from improper service. Review all service information before beginning repairs.

Warranty service must be performed by an authorized technician, using authorized factory parts. If service is required after the warranty expires, Goodman Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

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For assistance within the U.S.A. contact:

Consumer Affairs Department

Goodman Company, L.P.

7401 Security Way

Houston, Texas 77040

877-254-4729-Telephone

713-863-2382-Facsimile

For assistance outside the U.S.A. contact:

International Division

Goodman Company, L.P.

7401 Security Way

Houston, Texas 77040

713-861-2500-Telephone

713-863-2382-Facsimile

# Functional Parts

## Part

## No:

## Description:

## Expanded Model Nomenclature

|                 |                                                                                  |
|-----------------|----------------------------------------------------------------------------------|
| CAP050250440RSS | CAPACITOR 5/25/440V (M8, M9, M15, M16, M17, M18)                                 |
| CAP050300370RSS | CAPACITOR 5/30/370V (M1, M2, M3, M4, M5, M6, M7, M10, M11, M12, M13, M14)        |
| D6985807H       | COMPRESSOR 2P17S3R236A (M1, M2, M3, M4, M5, M6, M7, M10, M11, M12, M13, M14)     |
| D6985810H       | COMPRESSOR 2P17S3R276A (M8, M9, M15, M16, M17, M18)                              |
| RSKP0010        | CONTROL BOARD, M61 WIRELESS KIT                                                  |
| 1261401         | DIGITENNA (M4, M6, M13, M17)                                                     |
| 0131P00001S     | FAN MOTOR 40 W, 2 SP, 8 PL (M8, M9, M15, M16, M17, M18)                          |
| 0131P00000S     | FAN MOTOR 40 W, 2 SP, 8 PL (M1, M2, M3, M4, M5, M6, M7, M10, M11, M12, M13, M14) |
| 22312901        | HEATER 3 1.5 KW ASSY (M1)                                                        |
| 22312902        | HEATER 3 2.5 KW ASSY (M2, M3, M4, M10, M11)                                      |
| 22312903        | HEATER 3 3.5 KW ASSY (M5, M6, M7, M12, M13, M14)                                 |
| 22312906        | HEATER 4 2.5 KW ASSY (M15)                                                       |
| 22312907        | HEATER 4 3.7 KW ASSY (M8, M9, M16, M17, M18)                                     |
| 11172801        | POWER VENT MOTOR (M18)                                                           |
| C8873932        | RELAY (POWER VENT) (M18)                                                         |
| B1160701        | TERMINAL BOARD (M18)                                                             |
| 0130P00038      | THERMISTOR-DISCHARGE                                                             |
| 20295709        | THERMISTOR-HEAT PUMP (M4, M6, M10, M11, M12, M13, M14, M15, M16, M17, M18)       |
| 0130P00047      | THERMISTOR-INDOOR AMBIENT                                                        |
| 0130P00033      | THERMISTOR-INDOOR COIL                                                           |
| 0130P00039      | THERMISTOR-OUTDOOR AMBIENT (M4, M6, M13, M17)                                    |
| 20512501        | TRANSFORMER                                                                      |
| 11172101        | TRANSFORMER (M18)                                                                |

|                     |
|---------------------|
| M1 - PTC123C15AMCA  |
| M2 - PTC123C25AMCA  |
| M3 - PTC123C25CMCA  |
| M4 - PTC123C25CWCA  |
| M5 - PTC123C35AMCA  |
| M6 - PTC123C35AWCA  |
| M7 - PTC123C35CMCA  |
| M8 - PTC124C35AMCA  |
| M9 - PTC124C35CMCA  |
| M10 - PTH123C25AMCA |
| M11 - PTH123C25CMCA |
| M12 - PTH123C35AMCA |
| M13 - PTH123C35AWCA |
| M14 - PTH123C35CMCA |
| M15 - PTH124C25AMCA |
| M16 - PTH124C35AMCA |
| M17 - PTH124C35AWCA |
| M18 - PTH124C35JMCA |

## SPECIAL PARTS

|          |                                                                                                     |
|----------|-----------------------------------------------------------------------------------------------------|
| IO-266   | CHASSIS TO WALL SLEEVE INSERT PAGE                                                                  |
| IO-693A  | CONFIGURATION SETTINGS (M18)                                                                        |
| IO-692A  | CONFIGURATION SETTINGS (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17) |
| 20490201 | INSPECTION SHEET-SLEEVE/DRAIN                                                                       |
| IO-293C  | INSTALLATION INSTRUCTIONS                                                                           |
| RP-539B  | REPAIR PARTS MANUAL                                                                                 |

# Replacement Parts List

Image 1

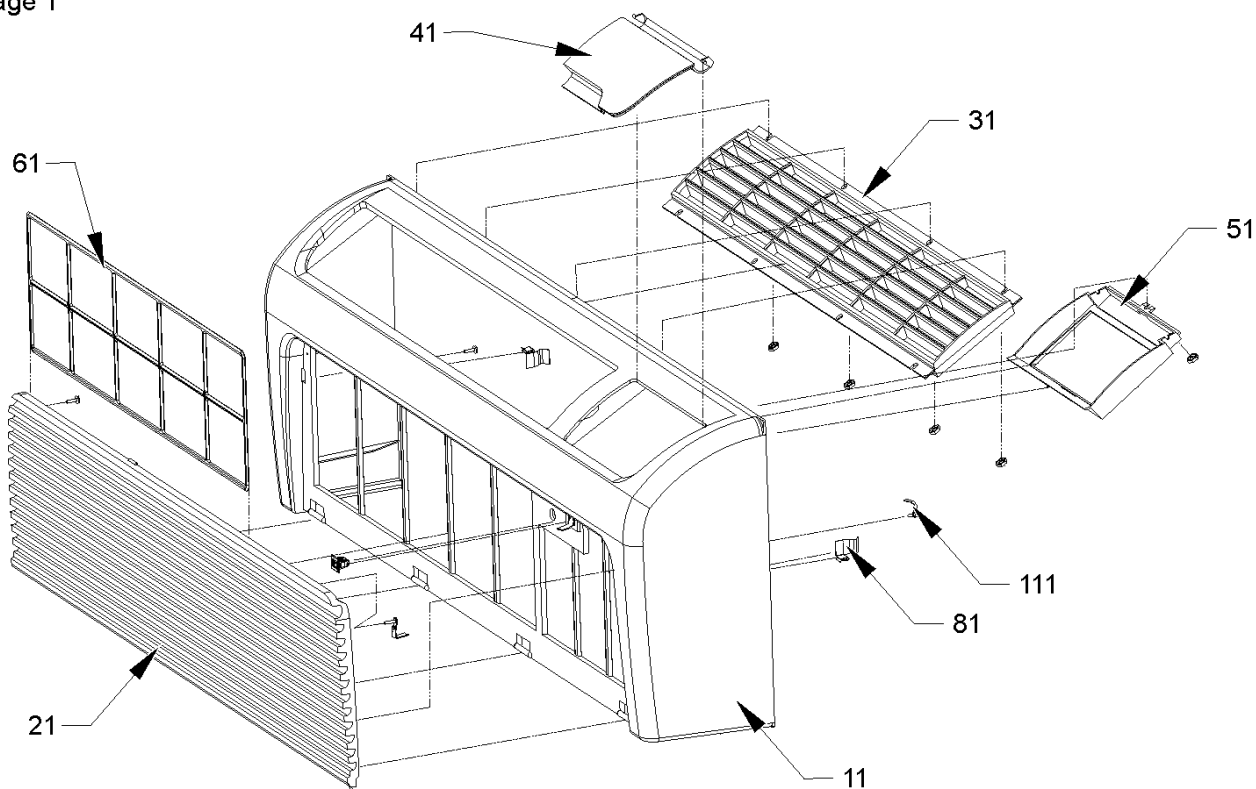
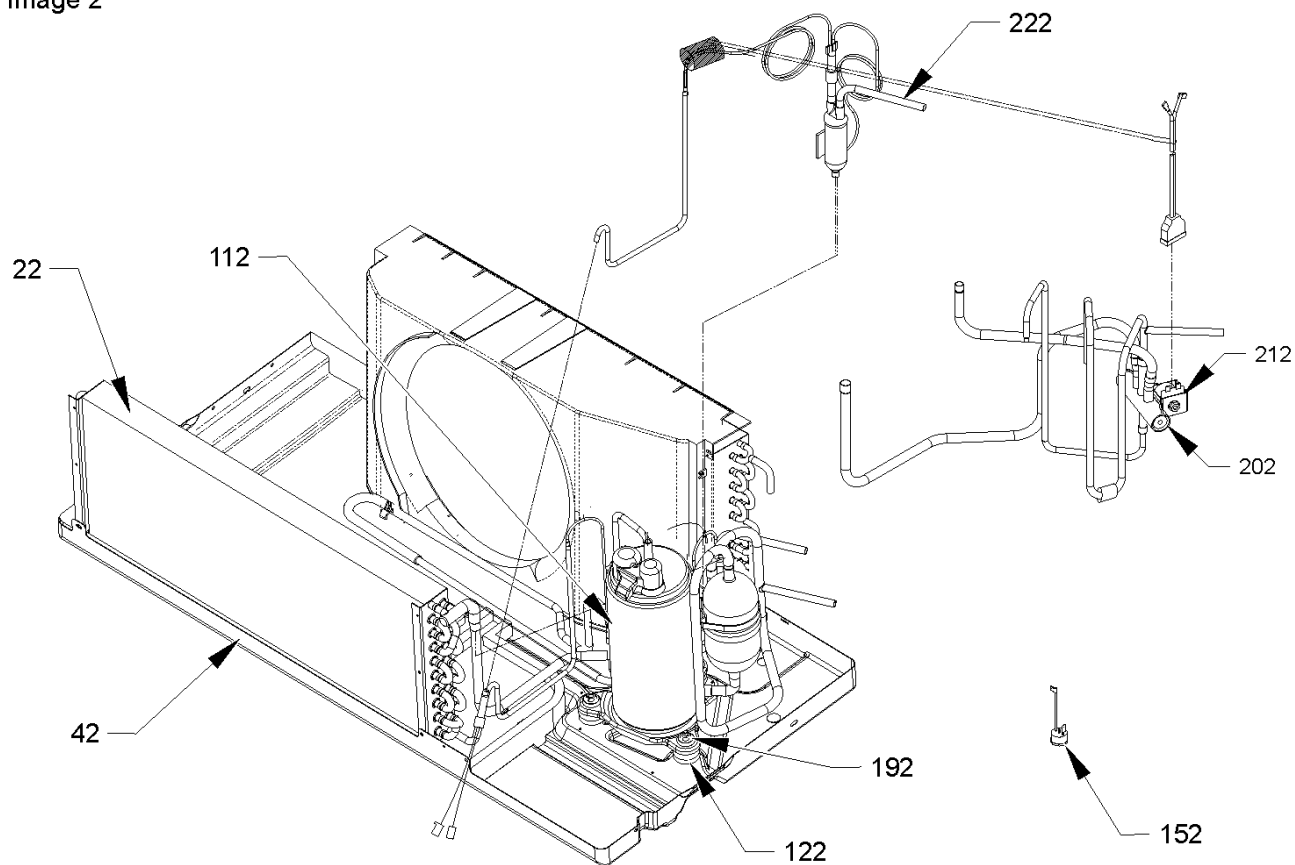


Image 2



# Replacement Parts List

## Ref. Part

No: No:

Description:

## Ref. Part

No: No:

Description:

### Image 1: FRONT ASSY

|     |             |                                      |
|-----|-------------|--------------------------------------|
| 11  | 0261P00000A | FRONT FRAME                          |
| 21  | 20415402    | INTAKE GRILLE                        |
| 31  | 20415301    | EXHAUST GRILLE                       |
| 41  | 20415901    | DOOR ASSY                            |
| 51  | 20415601    | CONTROL HOUSING                      |
| 61  | 20415801    | FILTER                               |
| 81  | 11045102    | SIDE CLIP (QTY 2)                    |
| 111 | 0161P00002P | STRAP-INLET GRILLE RESTRAINT (QTY 2) |

### Image 2: BASEPAN ASSY

|     |             |                                                                              |
|-----|-------------|------------------------------------------------------------------------------|
| 12  | 0151P00000  | REVERSING VALVE ASSY-230V (M10, M11, M12, M13, M14)                          |
| 12  | 0151P00001  | REVERSING VALVE ASSY-265V (M15, M16, M17, M18)                               |
| 22  | 0202P00052S | TUBING ASSY, EVAP COIL                                                       |
| 42  | 20403508    | BASE PAN                                                                     |
| 112 | D6985807H   | COMPRESSOR 2P17S3R236A (M1, M2, M3, M4, M5, M6, M7, M10, M11, M12, M13, M14) |
| 112 | D6985810H   | COMPRESSOR 2P17S3R276A (M8, M9, M15, M16, M17, M18)                          |
| 122 | A3448602    | COMPRESSOR GROMMET (QTY 3)                                                   |
| 152 | D6961612    | OVERLOAD (M1, M2, M3, M4, M5, M6, M7, M10, M11, M12, M13, M14)               |
| 152 | D6961643    | OVERLOAD (M8, M9, M15, M16, M17, M18)                                        |
| 192 | M0253610    | SHOULDER SCREW (QTY 3)                                                       |
| 212 | 0130P00022  | REVERSING VALVE COIL 230V (M10, M11, M12, M13, M14)                          |
| 212 | 22322202    | REVERSING VALVE COIL 265V (M15, M16, M17, M18)                               |
| 222 | 0210P00062  | CAPILLARY TUBE WELD (M10, M11, M12, M13, M14, M15, M16, M17, M18)            |
| 222 | 0210P00064  | CAPILLARY TUBE WELD (M1, M2, M3, M4, M5, M6, M7, M8, M9)                     |

### Expanded Model Nomenclature

|                     |
|---------------------|
| M1 - PTC123C15AMCA  |
| M2 - PTC123C25AMCA  |
| M3 - PTC123C25CMCA  |
| M4 - PTC123C25CWCA  |
| M5 - PTC123C35AMCA  |
| M6 - PTC123C35AWCA  |
| M7 - PTC123C35CMCA  |
| M8 - PTC124C35AMCA  |
| M9 - PTC124C35CMCA  |
| M10 - PTH123C25AMCA |
| M11 - PTH123C25CMCA |
| M12 - PTH123C35AMCA |
| M13 - PTH123C35AWCA |
| M14 - PTH123C35CMCA |
| M15 - PTH124C25AMCA |
| M16 - PTH124C35AMCA |
| M17 - PTH124C35AWCA |
| M18 - PTH124C35JMCA |

# Replacement Parts List

Image 1

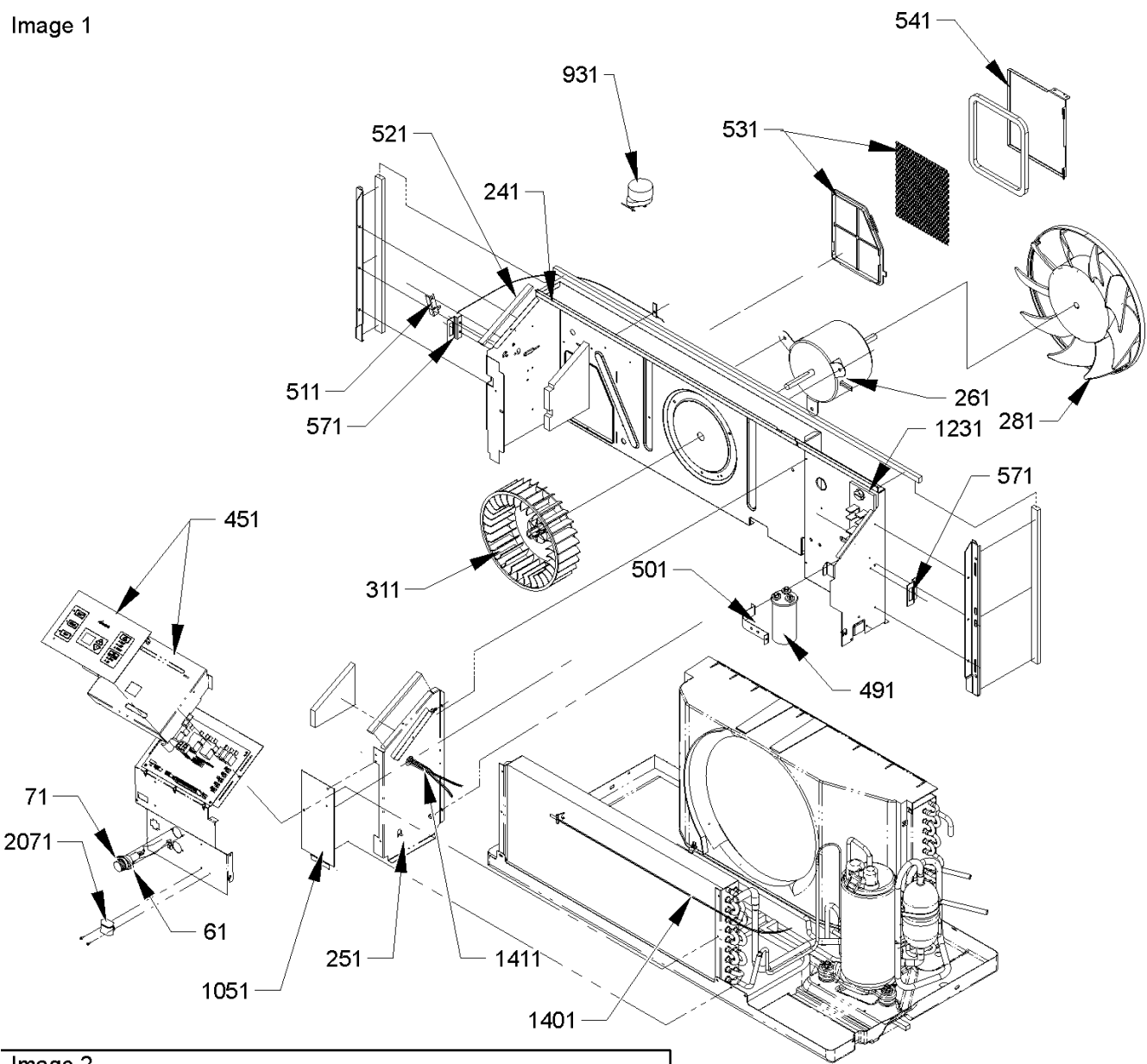
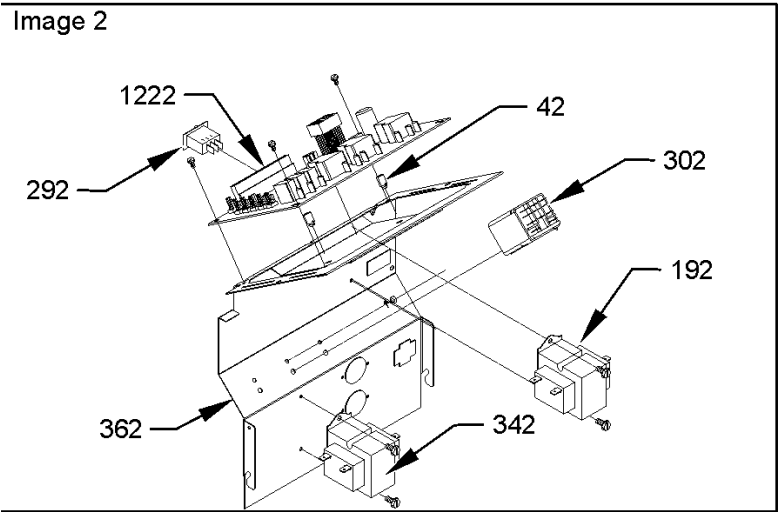


Image 2



# Replacement Parts List

## Ref. Part

No: No:

Description:

## Ref. Part

No: No:

Description:

### Image 1: CHASSIS

|      |                 |                                                                                        |
|------|-----------------|----------------------------------------------------------------------------------------|
| 61   | C6476001        | BAYONET FUSE HOLDER (M15)                                                              |
| 61   | C6476002        | BAYONET FUSE HOLDER (M8, M9, M16, M17, M18)                                            |
| 71   | A3410402        | FUSE 15A (M15)                                                                         |
| 71   | A3410403        | FUSE 20A (M8, M9, M16, M17, M18)                                                       |
| 241  | 0121P00041DG    | PARTITION PANEL                                                                        |
| 251  | 20403301        | MID PARTITION PANEL                                                                    |
| 261  | 0131P00000S     | FAN MOTOR 40 W, 2 SP, 8 PL (M1, M2, M3, M4, M5, M6, M7, M10, M11, M12, M13, M14)       |
| 261  | 0131P00001S     | FAN MOTOR 40 W, 2 SP, 8 PL (M8, M9, M15, M16, M17, M18)                                |
| 281  | 20414601        | CONDENSER FAN                                                                          |
| 311  | 11044101        | BLOWER WHEEL                                                                           |
| 451  | RSKP0005        | CONTROL PANEL COVER AND MEMBRANE                                                       |
| 491  | CAP050250440RSS | CAPACITOR 5/25/440V (M8, M9, M15, M16, M17, M18)                                       |
| 491  | CAP050300370RSS | CAPACITOR 5/30/370V (M1, M2, M3, M4, M5, M6, M7, M10, M11, M12, M13, M14)              |
| 501  | C6300502        | STRAP-CAP CO PTC                                                                       |
| 511  | 11046302        | LEVER ARM (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17) |
| 521  | 11115401        | CABLE (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17)     |
| 531  | 20304003        | PROTECTION SHIELD                                                                      |
| 541  | 11046105PDG     | VENT DOOR                                                                              |
| 571  | 11191703        | PARTITION PANEL BRACKET (QTY 2)                                                        |
| 931  | 11172801        | POWER VENT MOTOR (M18)                                                                 |
| 1051 | 20410801        | ACCESS COVER                                                                           |
| 1231 | B1160701        | TERMINAL BOARD (M18)                                                                   |
| 1401 | 0130P00047      | THERMISTOR-INDOOR AMBIENT                                                              |
| 1411 | 0130P00033      | THERMISTOR-INDOOR COIL                                                                 |
| 2071 | 1261401         | DIGITENNA (M4, M6, M13, M17)                                                           |

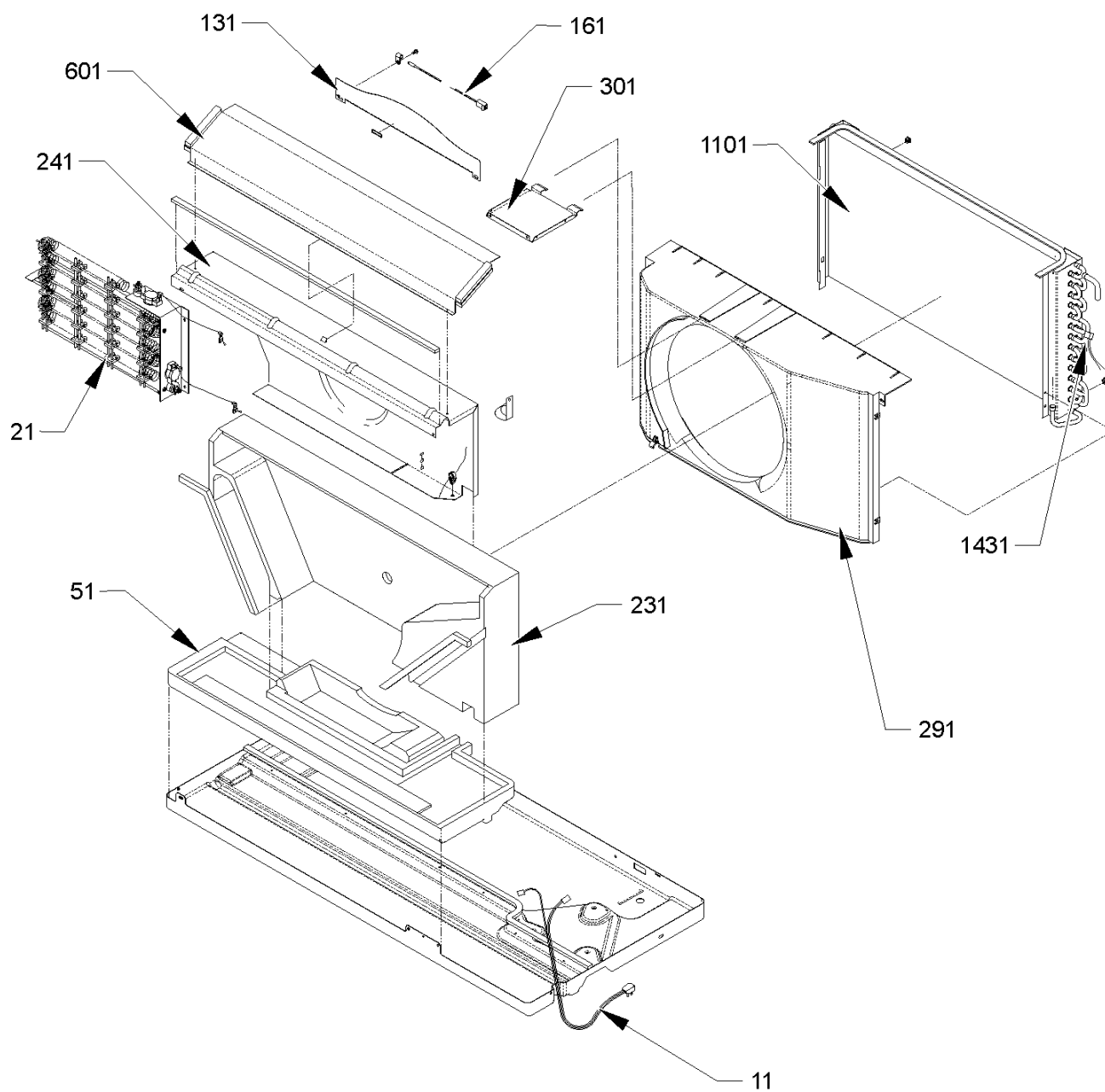
### Image 2: CONTROL PANEL

|      |          |                                 |
|------|----------|---------------------------------|
| 42   | M0590702 | SUPPORT (QTY 2)                 |
| 192  | 11172101 | TRANSFORMER (M18)               |
| 292  | B1337701 | PADDLE SWITCH (M18)             |
| 302  | C8873932 | RELAY (POWER VENT) (M18)        |
| 342  | 20512501 | TRANSFORMER                     |
| 362  | 11044505 | CONTROL PANEL                   |
| 1222 | RSKP0010 | CONTROL BOARD, M61 WIRELESS KIT |

### Expanded Model Nomenclature

|                     |
|---------------------|
| M1 - PTC123C15AMCA  |
| M2 - PTC123C25AMCA  |
| M3 - PTC123C25CMCA  |
| M4 - PTC123C25CWCA  |
| M5 - PTC123C35AMCA  |
| M6 - PTC123C35AWCA  |
| M7 - PTC123C35CMCA  |
| M8 - PTC124C35AMCA  |
| M9 - PTC124C35CMCA  |
| M10 - PTH123C25AMCA |
| M11 - PTH123C25CMCA |
| M12 - PTH123C35AMCA |
| M13 - PTH123C35AWCA |
| M14 - PTH123C35CMCA |
| M15 - PTH124C25AMCA |
| M16 - PTH124C35AMCA |
| M17 - PTH124C35AWCA |
| M18 - PTH124C35JMCA |

## Replacement Parts List





# Replacement Parts List

| Ref. Part<br>No: No:                | Description:  | Ref. Part<br>No: No: | Description:                                                                   |
|-------------------------------------|---------------|----------------------|--------------------------------------------------------------------------------|
| <i>Image 1: CHASSIS/HEATER ASSY</i> |               |                      |                                                                                |
| 11                                  | 0130P00006S   |                      | CORD 250 VAC, 15A (LCDI) (M1, M2, M3, M4, M10, M11, M15, M16, M17, M18)        |
| 11                                  | 0130P00007S   |                      | CORD 250 VAC, 20A (LCDI) (M5, M6, M7)                                          |
| 11                                  | 11114701      |                      | CORD 277 VAC, 20A (M8, M9, M12, M13, M14)                                      |
| 21                                  | 22312901      |                      | HEATER 3 1.5 KW ASSY (M1)                                                      |
| 21                                  | 22312902      |                      | HEATER 3 2.5 KW ASSY (M2, M3, M4, M10, M11)                                    |
| 21                                  | 22312903      |                      | HEATER 3 3.5 KW ASSY (M5, M6, M7, M12, M13, M14)                               |
| 21                                  | 22312906      |                      | HEATER 4 2.5 KW ASSY (M15)                                                     |
| 21                                  | 22312907      |                      | HEATER 4 3.7 KW ASSY (M8, M9, M16, M17, M18)                                   |
| 51                                  | B20403802     |                      | EVAPORATOR PAD                                                                 |
| 131                                 | 20515301      |                      | EXTERNAL BLOWER INTAKE                                                         |
| 161                                 | 0130P00038    |                      | THERMISTOR-DISCHARGE                                                           |
| 231                                 | B20356703     |                      | BLOWER SCROLL                                                                  |
| 241                                 | 20364804      |                      | BLOWER INTAKE                                                                  |
| 291                                 | 0161P00015    |                      | CONDENSER SHROUD                                                               |
| 301                                 | 11044201PDG   |                      | TIE BRACE                                                                      |
| 1101                                | 0201P00060S   |                      | TUBING ASSY, COND COIL (M1, M2, M5, M6, M8, M10, M12, M13, M15, M16, M17, M18) |
| 1101                                | 0201P00063DGS |                      | TUBING ASSY, COND COIL (M3, M4, M7, M9, M11, M14)                              |
| 1431                                | 20295709      |                      | THERMISTOR-HEAT PUMP (M4, M6, M10, M11, M12, M13, M14, M15, M16, M17, M18)     |
| NS                                  | 0130P00039    |                      | THERMISTOR-OUTDOOR AMBIENT (M4, M6, M13, M17)                                  |

## Expanded Model Nomenclature

M1 - PTC123C15AMCA  
 M2 - PTC123C25AMCA  
 M3 - PTC123C25CMCA  
 M4 - PTC123C25CWCA  
 M5 - PTC123C35AMCA  
 M6 - PTC123C35AWCA  
 M7 - PTC123C35CMCA  
 M8 - PTC124C35AMCA  
 M9 - PTC124C35CMCA  
 M10 - PTH123C25AMCA  
 M11 - PTH123C25CMCA  
 M12 - PTH123C35AMCA  
 M13 - PTH123C35AWCA  
 M14 - PTH123C35CMCA  
 M15 - PTH124C25AMCA  
 M16 - PTH124C35AMCA  
 M17 - PTH124C35AWCA  
 M18 - PTH124C35JMCA

