

# REPLACEMENT PARTS MANUAL

## WALL MOUNTED PACKAGE HEAT PUMP MODEL 30WH6

Manual 2110-503

Revision A

Date 1-25-90

Supersedes 7-11-89

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\* GENERAL NOTES \*  
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\*Revised and/or additional pages may be issued from time to time.  
\*A complete and current manual consists of pages dated as shown in the following index.

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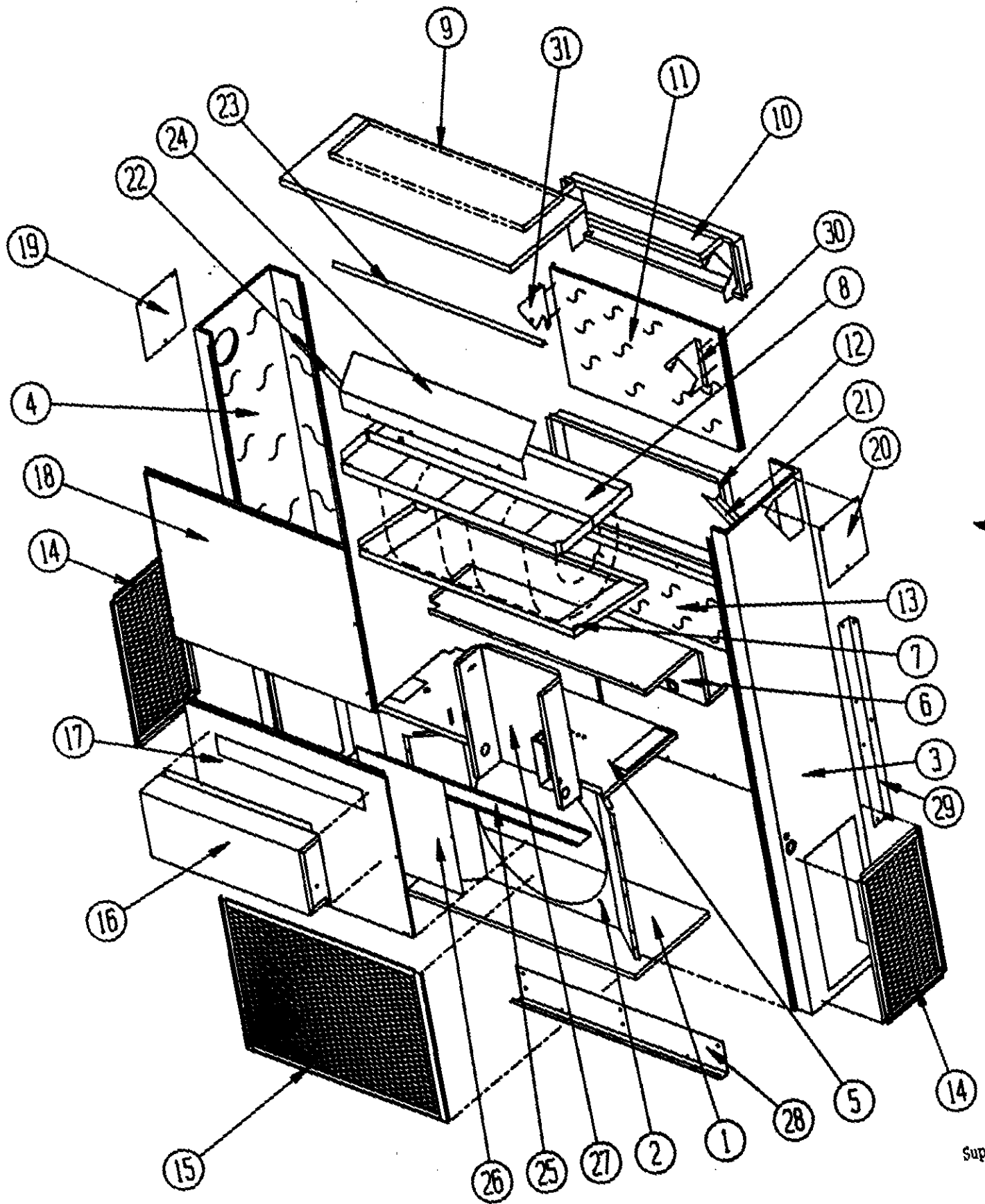
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\*\*\* IMPORTANT \*\*\*  
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Contact the installing and/or local Bard distributor for all parts requirements. Make sure you have the complete model and serial number available from the unit rating plate.

BARD MANUFACTURING COMPANY

BRYAN, OHIO 43506

# CABINET COMPONENTS

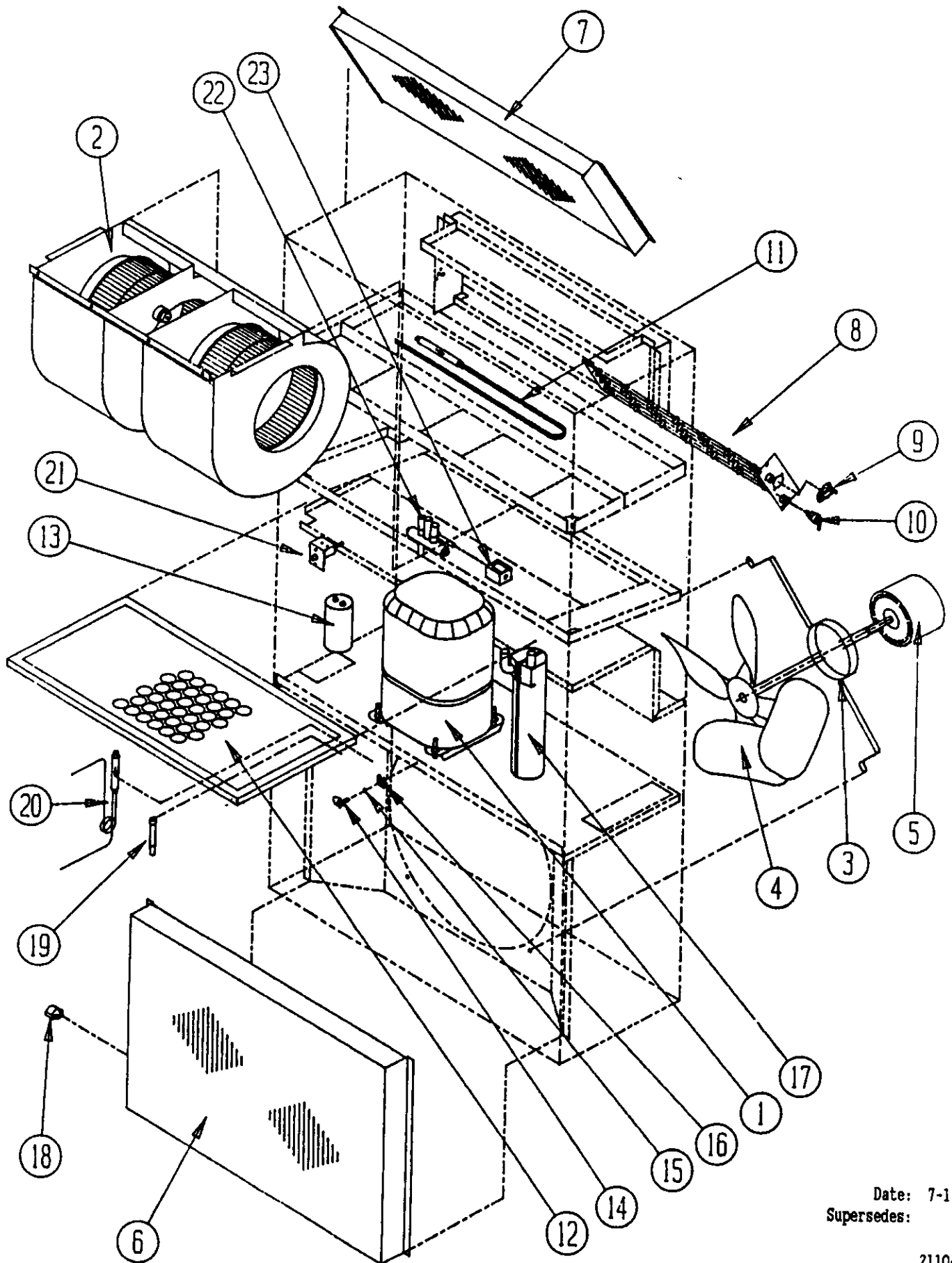


# CABINET COMPONENTS

| Dwg. No. | Part No.               | Description                                       | S<br>T<br>A<br>N<br>D<br>A<br>R<br>D | T<br>O<br>P<br><br>O<br>U<br>T<br>L<br>E<br>T |
|----------|------------------------|---------------------------------------------------|--------------------------------------|-----------------------------------------------|
| 1        | 126-003                | Lower Base                                        | X                                    | X                                             |
| 2        | 124-002                | Fan Shroud                                        | X                                    | X                                             |
| 3        | 501-164                | Right Side                                        | X                                    | X                                             |
| 4        | 501-165                | Left Side                                         | X                                    | X                                             |
| 5        | 127-098                | Compressor Base                                   | X                                    | X                                             |
| 6        | 520-097                | Compressor Partition                              | X                                    | X                                             |
| 7        | 131-002                | Filter Tray                                       | X                                    | X                                             |
| 8        | 521-004                | Blower Addition/Drain Pan Assembly                | X                                    | X                                             |
| 9        | 506-095                | Top                                               | X                                    |                                               |
| 9        | 507-003                | Top                                               |                                      | X                                             |
| 10       | 111-017                | Outlet Airframe Assembly                          | X                                    |                                               |
| 11       | 508-056                | Upper Back                                        | X                                    |                                               |
| 11       | 508-058                | Extended Upper Back                               |                                      | X                                             |
| 12       | 111-018                | Inlet Air Frame Assembly                          | X                                    | X                                             |
| 13       | 508-057                | Lower Back                                        | X                                    | X                                             |
| 14       | 119-004                | Side Grille                                       | 2                                    | 2                                             |
| 15       | 119-003                | Condenser Grille                                  | X                                    | X                                             |
| 16       | 962002                 | Fresh Air Damper Assembly                         | X                                    | X                                             |
| 17       | 552-107                | Service Door                                      | X                                    | X                                             |
| 18       | 514-046                | Upper Front                                       | X                                    | X                                             |
| 19       | 542Y004                | Left Side Cover Plate                             | X                                    | X                                             |
| 20       | 542X004                | Right Side Cover Plate                            | X                                    | X                                             |
| 21       | 141-006                | Right Evaporator Support                          | X                                    | X                                             |
| 22       | 141-007                | Left Evaporator Support                           | X                                    | X                                             |
| 23       | 136-093                | Evaporator Fill Plate                             | X                                    | X                                             |
| 24       | 134-008                | Air Baffle                                        | X                                    | X                                             |
| 25       | 136-002                | Condenser Coil Spacer                             | X                                    | X                                             |
| 26       | Cntrl.Cvr.             | See Control Panel Assembly Drawing and Parts List | X                                    | X                                             |
| 27       | Cntrl.Pnl.<br>Assembly | See Control Panel Assembly Drawing and Parts List | X                                    | X                                             |
| 28       | 112-006                | Bottom Mounting Bracket                           | X                                    | X                                             |
| 29       | 112-002                | Side Mounting Bracket                             | 2                                    | 2                                             |
| 30       | 112-007                | Right Heat Strip Bracket                          |                                      | X                                             |
| 31       | 112-008                | Left Heat Strip Bracket                           |                                      | X                                             |

Date: 1-25-90  
Supersedes: 7-11-89

# FUNCTIONAL COMPONENTS



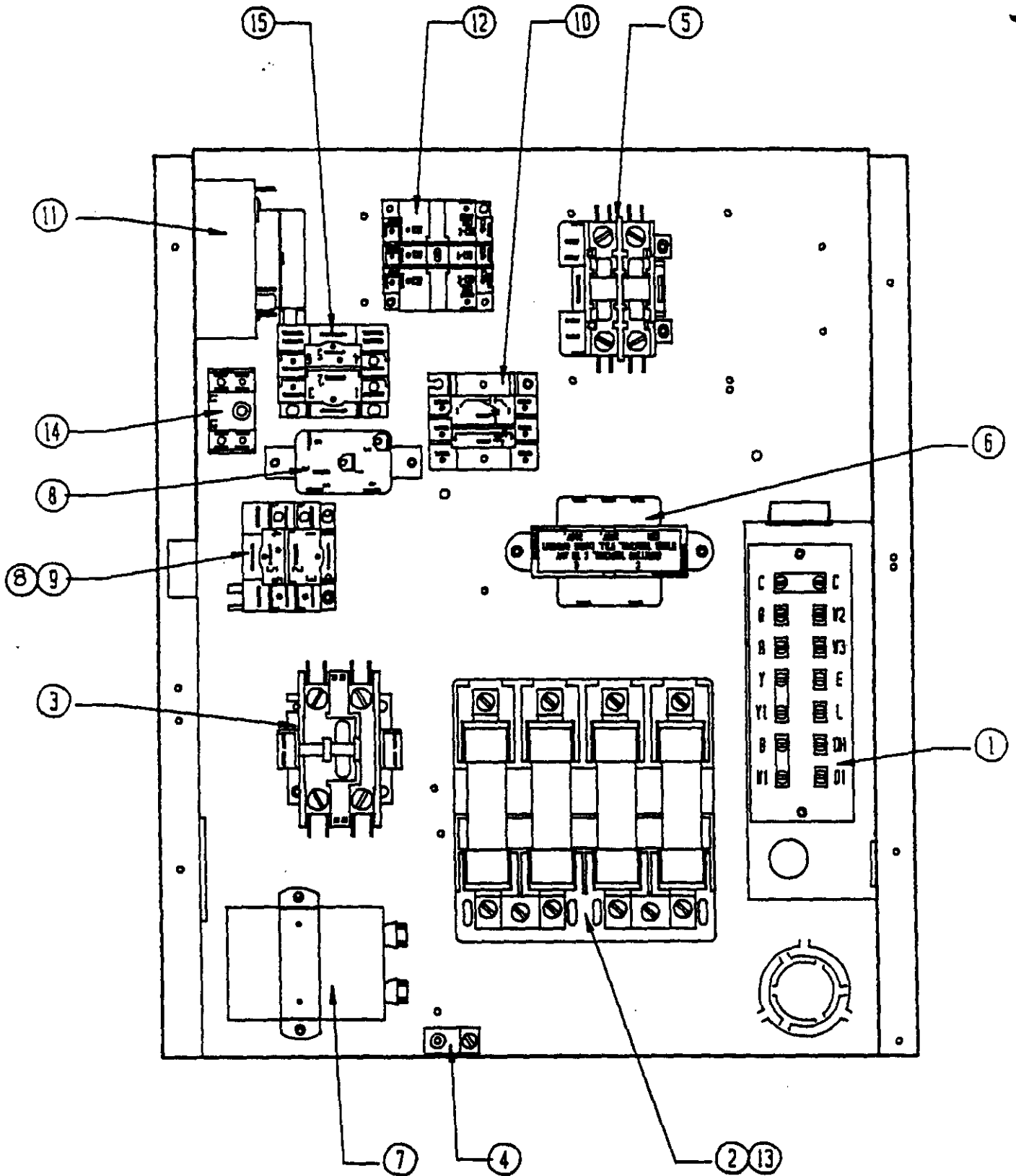
Date: 7-11-89  
Supersedes:

# FUNCTIONAL COMPONENTS

| Dwg. No. | Part No. | Description                | 3<br>O<br>W<br>H<br>6<br> <br>A<br>O<br>O<br>N,<br>C | 3<br>O<br>W<br>H<br>6<br> <br>A<br>O<br>5<br>N,<br>C | 3<br>O<br>W<br>H<br>6<br> <br>A<br>1<br>O<br>N,<br>C | 3<br>O<br>W<br>H<br>6<br> <br>A<br>1<br>5<br>N,<br>C | 3<br>O<br>W<br>H<br>6<br> <br>B<br>O<br>0<br>N,<br>C | 3<br>O<br>W<br>H<br>6<br> <br>B<br>O<br>9<br>N,<br>C | 3<br>O<br>W<br>H<br>6<br> <br>D<br>1<br>O<br>N | 3<br>O<br>W<br>H<br>6<br> <br>A<br>O<br>0<br>T | 3<br>O<br>W<br>H<br>6<br> <br>A<br>O<br>5<br>T | 3<br>O<br>W<br>H<br>6<br> <br>A<br>1<br>5<br>T | 3<br>O<br>W<br>H<br>6<br> <br>B<br>O<br>0<br>T | 3<br>O<br>W<br>H<br>6<br> <br>B<br>O<br>9<br>T |
|----------|----------|----------------------------|------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|
| 1        | 8000-038 | Compressor                 |                                                      |                                                      |                                                      |                                                      |                                                      |                                                      | X                                              |                                                |                                                |                                                |                                                |                                                |
| 1        | 8000-099 | Compressor H23B283ABCA     | X                                                    | X                                                    | X                                                    | X                                                    |                                                      |                                                      |                                                | X                                              | X                                              | X                                              | X                                              |                                                |
| 1        | 8000-053 | Compressor CRG3-0250-TF5   |                                                      |                                                      |                                                      |                                                      | X                                                    | X                                                    |                                                |                                                |                                                |                                                |                                                | X                                              |
| 2        | 900-039  | Blower Assembly (Complete) | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 3        | 8200-001 | Motor Mount (Condenser)    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 4        | 5151-004 | Fan Blade                  |                                                      |                                                      |                                                      |                                                      |                                                      |                                                      | X                                              |                                                |                                                |                                                |                                                |                                                |
| 4        | 5151-032 | Fan Blade                  | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    |                                                | X                                              | X                                              | X                                              | X                                              | X                                              |
| 5        | 8103-016 | Condenser Motor            | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 6        | 5051-052 | Condenser Coil             | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 7        | 5060-052 | Evaporator Coil            | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 8        | 8604-089 | Heat Strip                 |                                                      | X                                                    |                                                      |                                                      |                                                      |                                                      |                                                | X                                              |                                                |                                                |                                                |                                                |
| 8        | 8604-091 | Heat Strip                 |                                                      |                                                      | X                                                    |                                                      |                                                      | X                                                    |                                                |                                                | X                                              |                                                |                                                |                                                |
| 8        | 8604-047 | Heat Strip                 |                                                      |                                                      |                                                      | X                                                    |                                                      |                                                      |                                                |                                                |                                                | X                                              |                                                |                                                |
| 8        | 8604-048 | Heat Strip                 |                                                      |                                                      |                                                      |                                                      | X                                                    |                                                      |                                                |                                                |                                                |                                                |                                                | X                                              |
| 9        | 8402-031 | Limit Control              |                                                      | X                                                    | X                                                    | X                                                    |                                                      | X                                                    | X                                              |                                                | X                                              | X                                              | X                                              | X                                              |
| 10       | 8402-030 | Thermal Cut-Off            |                                                      |                                                      |                                                      |                                                      |                                                      |                                                      |                                                | X                                              | 2                                              | 3                                              |                                                | 2                                              |
| 10       | 8402-032 | Thermal Cutoff             |                                                      | X                                                    | 2                                                    | 3                                                    |                                                      | 2                                                    | 2                                              |                                                |                                                |                                                |                                                |                                                |
| 11       | 800-0121 | Cooling Capillary Assembly | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 12       | 7004-008 | Air Filter                 | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 13       | 8552-007 | Capacitor 20/15-370        |                                                      |                                                      |                                                      |                                                      |                                                      |                                                      | X                                              |                                                |                                                |                                                |                                                |                                                |
| 13       | 8552-032 | Capacitor (Compressor)     | X                                                    | X                                                    | X                                                    | X                                                    |                                                      |                                                      |                                                | X                                              | X                                              | X                                              | X                                              |                                                |
| 14       | 1171-019 | 1/4 Turn Fastener          | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 15       | 1171-021 | Fastener Retainer          | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 16       | 1171-020 | Fastener Retainer          | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 17       | 5202-016 | Accumulator                | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 18       | 8408-018 | Defrost Thermostat         | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 19       | 5651-036 | Check Valve                | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 20       | 800-0122 | Heating Capillary Assembly | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 21       | 8406-010 | High Pressure Switch       | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 22       | 5650-013 | Reversing Valve            | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |
| 23       | 5650-008 | Solenoid Coil              | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                                    | X                                              | X                                              | X                                              | X                                              | X                                              | X                                              |

Date: 7-11-89  
Supersedes:

# CONTROL PANEL WITHOUT CIRCUIT BREAKERS



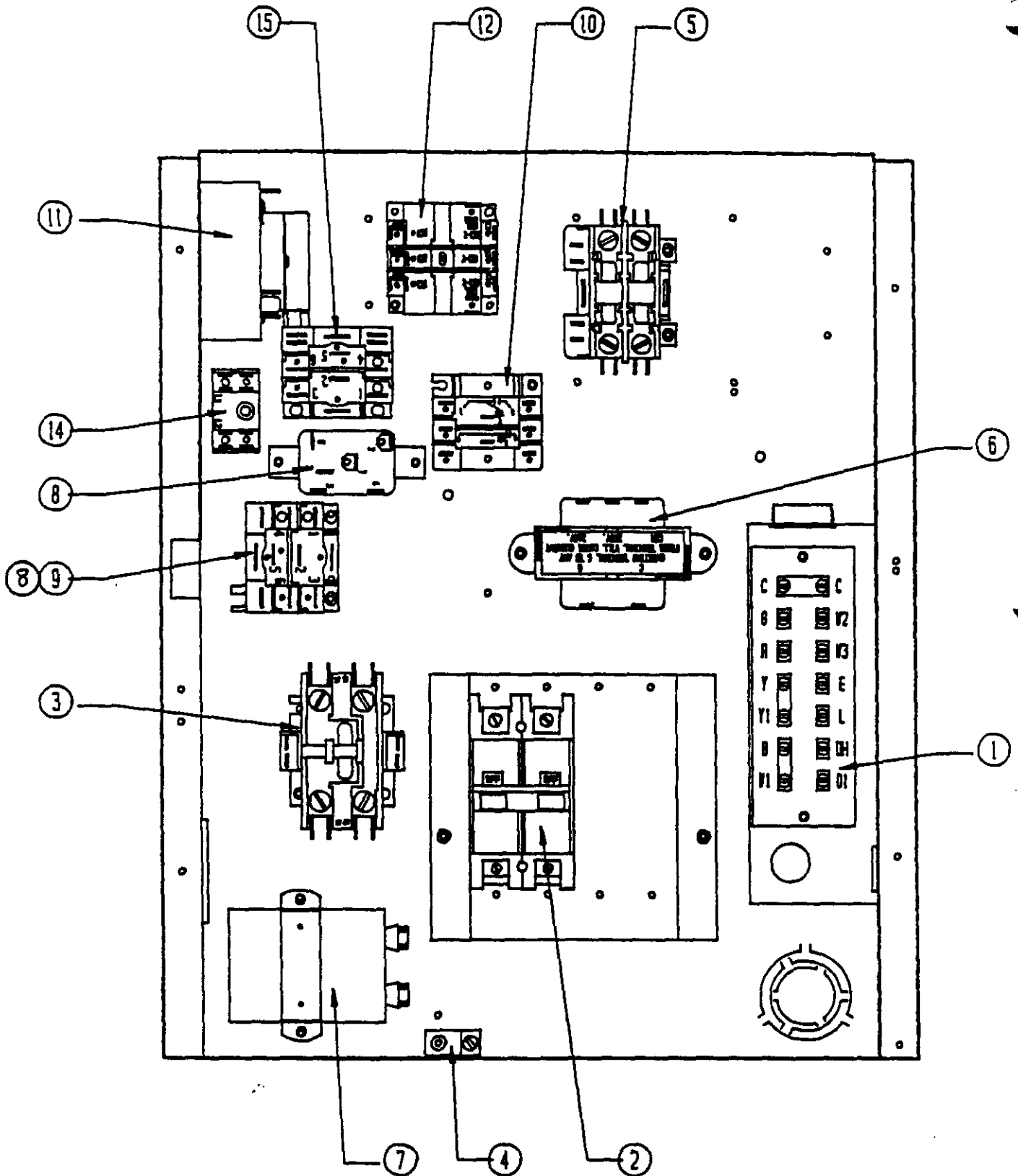
Date: 7-11-89  
Supersedes:

CONTROL PANEL  
WITHOUT CIRCUIT BREAKERS

| Dwg.<br>No. | Part No. | Description                | 3<br>0<br>W<br>H<br>6<br> <br>A<br>0<br>0<br>N<br>T | 3<br>0<br>W<br>H<br>6<br> <br>A<br>0<br>5<br>N<br>T | 3<br>0<br>W<br>H<br>6<br> <br>A<br>1<br>0<br>N<br>T | 3<br>0<br>W<br>H<br>6<br> <br>A<br>1<br>5<br>N<br>T | 3<br>0<br>W<br>H<br>6<br> <br>B<br>0<br>0<br>N<br>T | 3<br>0<br>W<br>H<br>6<br> <br>B<br>0<br>9<br>N<br>T | 3<br>0<br>W<br>H<br>6<br> <br>D<br>1<br>0<br>N |
|-------------|----------|----------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 1           | 8607-019 | Low Voltage Terminal Strip | X                                                   | X                                                   | X                                                   | X                                                   | X                                                   | X                                                   | X                                              |
| 2           | 8607-013 | Terminal Block             | X                                                   | X                                                   |                                                     |                                                     |                                                     |                                                     |                                                |
| 2           | 8607-014 | Terminal Block             |                                                     |                                                     |                                                     |                                                     | X                                                   |                                                     |                                                |
| 2           | 8614-017 | Fuse Block                 |                                                     |                                                     | X                                                   |                                                     |                                                     |                                                     | X                                              |
| 2           | 8614-018 | Fuse Block                 |                                                     |                                                     |                                                     | X                                                   |                                                     |                                                     |                                                |
| 3           | 8401-007 | Compressor Contactor       | X                                                   | X                                                   | X                                                   | X                                                   |                                                     |                                                     | X                                              |
| 3           | 8401-002 | Compressor Contactor       |                                                     |                                                     |                                                     |                                                     | X                                                   | X                                                   |                                                |
| 4           | 8611-006 | Ground Terminal            | X                                                   | X                                                   | X                                                   | X                                                   | X                                                   | X                                                   | X                                              |
| 5           | 8401-006 | Heat Contactor             |                                                     | X                                                   | X                                                   | 2                                                   |                                                     | X                                                   | X                                              |
| 6           | 8407-035 | Transformer                | X                                                   | X                                                   | X                                                   | X                                                   | X                                                   | X                                                   | X                                              |
| 7           | 8552-002 | Condenser Fan Capacitor    | X                                                   | X                                                   | X                                                   | X                                                   | X                                                   | X                                                   | X                                              |
| 8           | 8201-009 | Blower Relay               | X                                                   | X                                                   | X                                                   | X                                                   | X                                                   | X                                                   | X                                              |
| 9           | 8201-024 | Compressor Fault Relay     | X                                                   | X                                                   | X                                                   | X                                                   |                                                     |                                                     | X                                              |
| 10          | 8201-013 | Emergency Heat Relay       |                                                     |                                                     |                                                     | X                                                   |                                                     |                                                     |                                                |
| 11          | 8612-012 | Defrost Timer              | X                                                   | X                                                   | X                                                   | X                                                   | X                                                   | X                                                   | X                                              |
| 12          | 8201-047 | Defrost Relay              | X                                                   | X                                                   | X                                                   | X                                                   | X                                                   | X                                                   | X                                              |
| 13          | 134-006  | Fusing Barrier             |                                                     |                                                     | X                                                   | X                                                   |                                                     |                                                     | X                                              |
|             | 4012-110 | Wiring Diagram             | X                                                   |                                                     |                                                     |                                                     |                                                     |                                                     |                                                |
|             | 4012-120 | Wiring Diagram             |                                                     | X                                                   |                                                     |                                                     |                                                     |                                                     |                                                |
|             | 4012-130 | Wiring Diagram             |                                                     |                                                     | X                                                   |                                                     |                                                     |                                                     |                                                |
|             | 4012-140 | Wiring Diagram             |                                                     |                                                     |                                                     | X                                                   |                                                     |                                                     |                                                |
|             | 4012-210 | Wiring Diagram             |                                                     |                                                     |                                                     |                                                     | X                                                   |                                                     |                                                |
|             | 4012-220 | Wiring Diagram             |                                                     |                                                     |                                                     |                                                     |                                                     | X                                                   |                                                |
|             | 4012-430 | Wiring Diagram             |                                                     |                                                     |                                                     |                                                     |                                                     |                                                     | X                                              |
|             | 132-003  | Control Panel Cover        | X                                                   | X                                                   |                                                     |                                                     | X                                                   | X                                                   |                                                |
|             | 133-036  | Control Panel Cover        |                                                     |                                                     | X                                                   | X                                                   |                                                     |                                                     | X                                              |

Date: 7-11-89  
Supersedes:

# CONTROL PANEL WITH CIRCUIT BREAKER



Date: 7-11-89  
Supersedes:

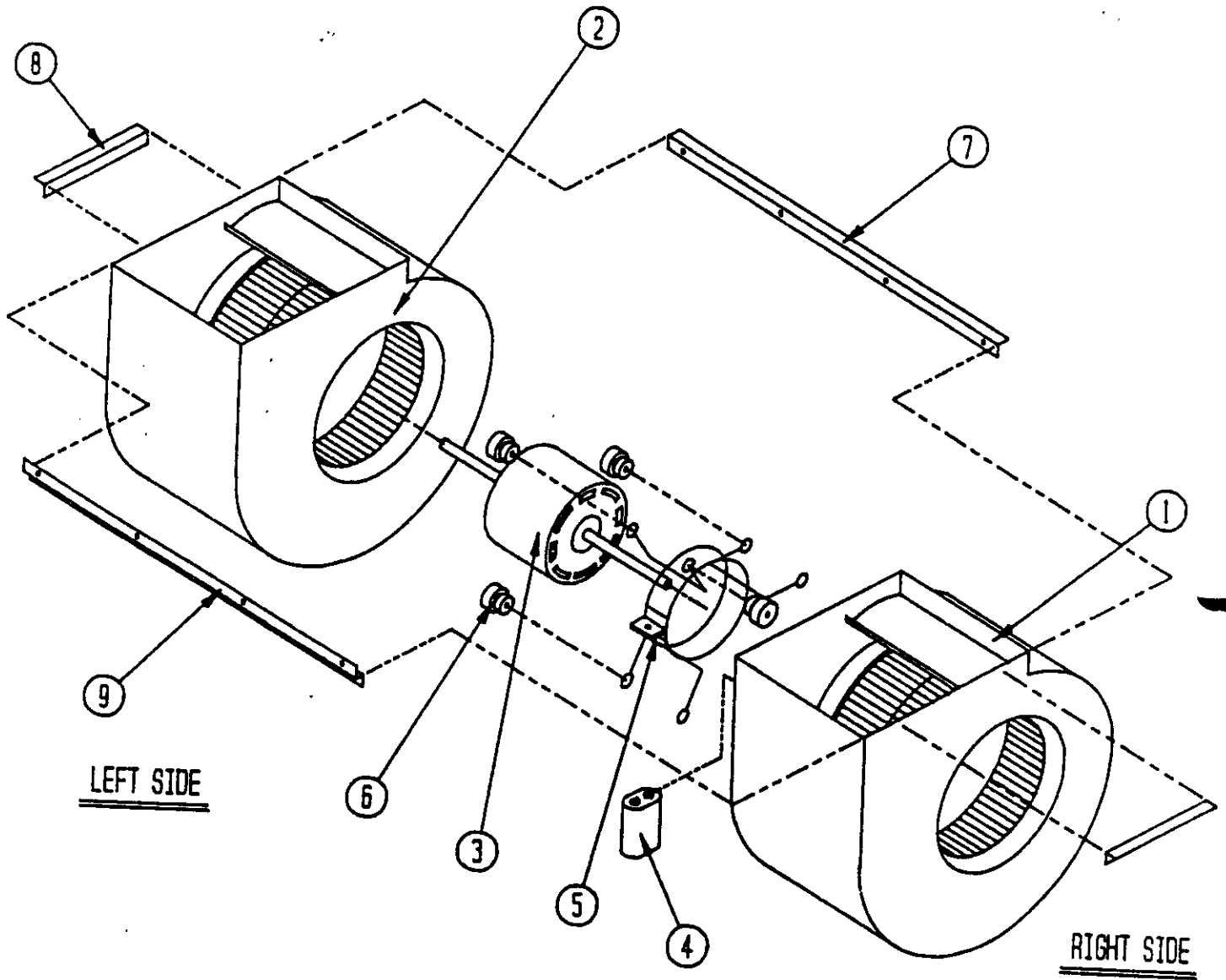


CONTROL PANEL  
WITH CIRCUIT BREAKER

| Dwg.<br>No. | Part No. | Description                | 3<br>0<br>W<br>H<br>6<br> <br>A<br>0<br>0<br>C | 3<br>0<br>W<br>H<br>6<br> <br>A<br>0<br>5<br>C | 3<br>0<br>W<br>H<br>6<br> <br>A<br>1<br>0<br>C | 3<br>0<br>W<br>H<br>6<br> <br>A<br>1<br>5<br>C | 3<br>0<br>W<br>H<br>6<br> <br>B<br>0<br>C | 3<br>0<br>W<br>H<br>6<br> <br>B<br>0<br>9<br>C |
|-------------|----------|----------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|-------------------------------------------|------------------------------------------------|
| 1           | 8607-019 | Low Voltage Terminal Strip | X                                              | X                                              | X                                              | X                                              | X                                         | X                                              |
| 2           | 8615-009 | Circuit Breaker            | X                                              |                                                |                                                |                                                |                                           |                                                |
| 2           | 8615-015 | Circuit Breaker            |                                                | X                                              | X                                              | X                                              |                                           |                                                |
| 2           | 8615-013 | Circuit Breaker            |                                                |                                                | X                                              |                                                |                                           |                                                |
| 2           | 8615-016 | Circuit Breaker            |                                                |                                                |                                                | X                                              |                                           |                                                |
| 2           | 8615-017 | Circuit Breaker            |                                                |                                                |                                                |                                                | X                                         |                                                |
| 2           | 8615-021 | Circuit Breaker            |                                                |                                                |                                                |                                                |                                           | X                                              |
| 3           | 8401-007 | Compressor Contactor       | X                                              | X                                              | X                                              | X                                              |                                           |                                                |
| 3           | 8401-002 | Compressor Contactor       |                                                |                                                |                                                |                                                | X                                         | X                                              |
| 4           | 8611-006 | Ground Terminal            | X                                              | X                                              | 2                                              | 2                                              | X                                         | X                                              |
| 5           | 8401-006 | Heat Contactor             |                                                | X                                              | X                                              | 2                                              |                                           | X                                              |
| 6           | 8407-035 | Transformer                | X                                              | X                                              | X                                              | X                                              | X                                         | X                                              |
| 7           | 8552-002 | Condenser Fan Capacitor    | X                                              | X                                              | X                                              | X                                              | X                                         | X                                              |
| 8           | 8201-009 | Blower Relay               | X                                              | X                                              | X                                              | X                                              | X                                         | X                                              |
| 9           | 8201-024 | Compressor Fault Relay     | X                                              | X                                              | X                                              | X                                              |                                           |                                                |
| 10          | 8201-013 | Emergency Heat Relay       |                                                |                                                |                                                | X                                              |                                           |                                                |
| 11          | 8612-012 | Defrost Timer              | X                                              | X                                              | X                                              | X                                              | X                                         | X                                              |
| 12          | 8201-047 | Defrost Relay              | X                                              | X                                              | X                                              | X                                              | X                                         | X                                              |
|             | 4012-111 | Wiring Diagram             | X                                              |                                                |                                                |                                                |                                           |                                                |
|             | 4012-121 | Wiring Diagram             |                                                | X                                              |                                                |                                                |                                           |                                                |
|             | 4012-131 | Wiring Diagram             |                                                |                                                | X                                              |                                                |                                           |                                                |
|             | 4012-141 | Wiring Diagram             |                                                |                                                |                                                | X                                              |                                           |                                                |
|             | 4012-211 | Wiring Diagram             |                                                |                                                |                                                |                                                | X                                         |                                                |
|             | 4012-221 | Wiring Diagram             |                                                |                                                |                                                |                                                |                                           | X                                              |
|             | 132-098  | Control Panel Cover        | X                                              | X                                              | X                                              | X                                              | X                                         | X                                              |

Date: 1-25-90  
Supersedes: 7-11-89

# BLOWER ASSEMBLY



Date: 7-11-89  
Supersedes:

# BLOWER ASSEMBLY

| Dwg.<br>No. | Part No. | Description                    | 9 | 9 |
|-------------|----------|--------------------------------|---|---|
|             |          |                                | 0 | 0 |
|             |          |                                | 0 | 0 |
|             |          |                                | 1 | 1 |
|             |          |                                | 0 | 0 |
|             |          |                                | 3 | 7 |
|             |          |                                | 9 | 0 |
| 1           | 5152-051 | Housing, Wheel and Cutoff (CW) | x | x |
| 2           | 5152-052 | Housing, Wheel and Cutoff      | x | x |
| 3           | 8105-029 | Blower Motor (230/208)         | x |   |
| 3           | 8105-033 | Blower Motor (460)             |   | x |
| 4           | 8552-002 | Capacitor                      | x | x |
| 5           | 8200-031 | Motor Mount                    | x | x |
| 6           | 5451-011 | Grommets                       | 6 | 6 |
| 7           | 104-505  | Back Brace                     | x | x |
| 8           | 104-001  | Side Angle                     | 2 | 2 |
| 9           | 102-300  | Front Brace                    | x | x |

