

# REPLACEMENT PARTS MANUAL

## PACKAGE HEAT PUMP

MODELS:  
PH11421, PH1048, PH1048-B, PH1048-C,  
PH1060, PH1060-B, PH1060-C

Manual 2110-257

Revision B

Date 10-07-94

Supersedes 12-20-93

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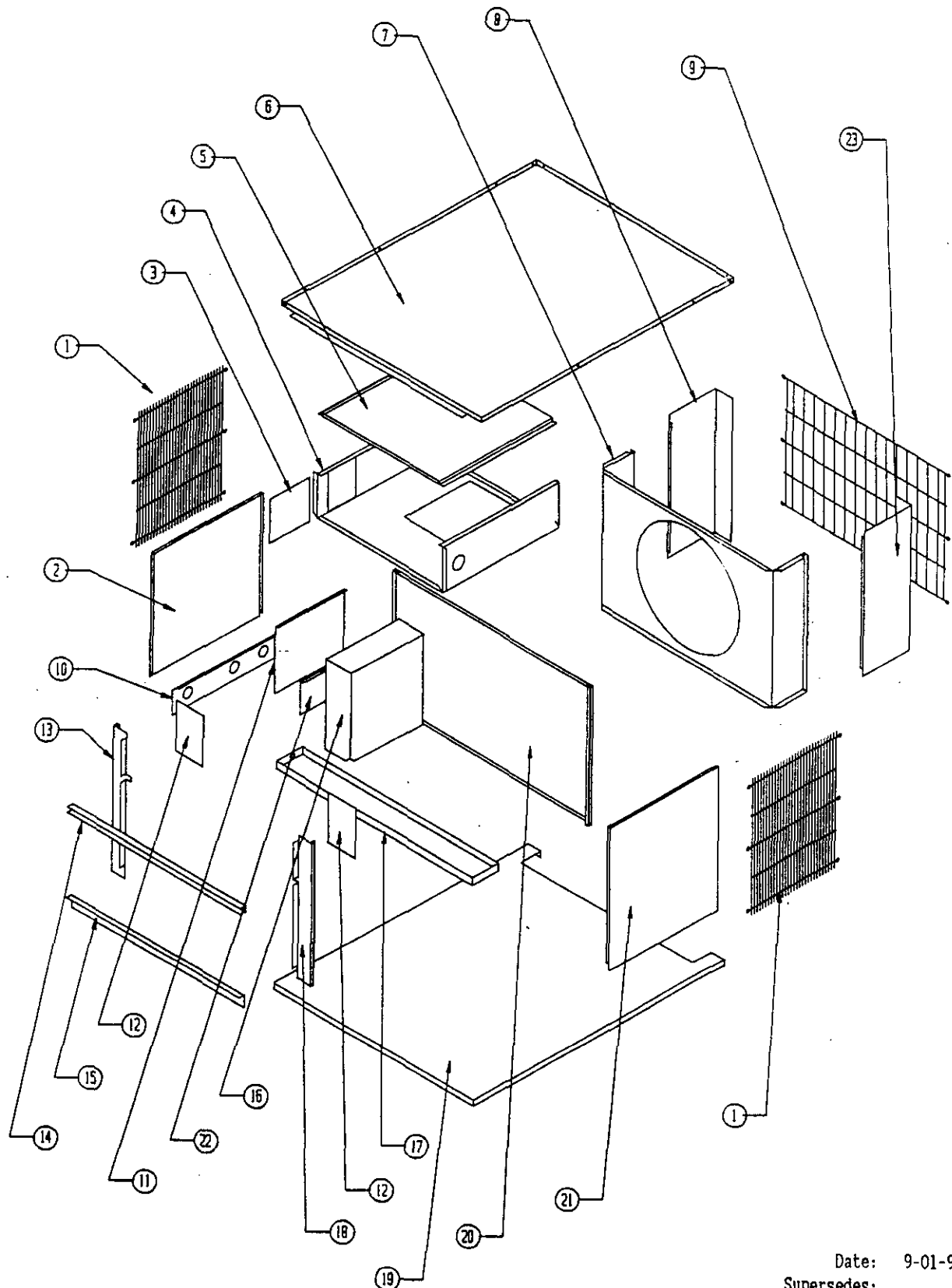
\*\*\*\*\*  
\*\*\* IMPORTANT \*\*\*  
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Contact the installing and/or local Bard distributor for all parts requirements. Make sure you have the complete model and serial number available from the unit rating plate.

BARD MANUFACTURING COMPANY

BRYAN, OHIO 43506

# CABINET COMPONENTS



Date: 9-01-93  
Supersedes:

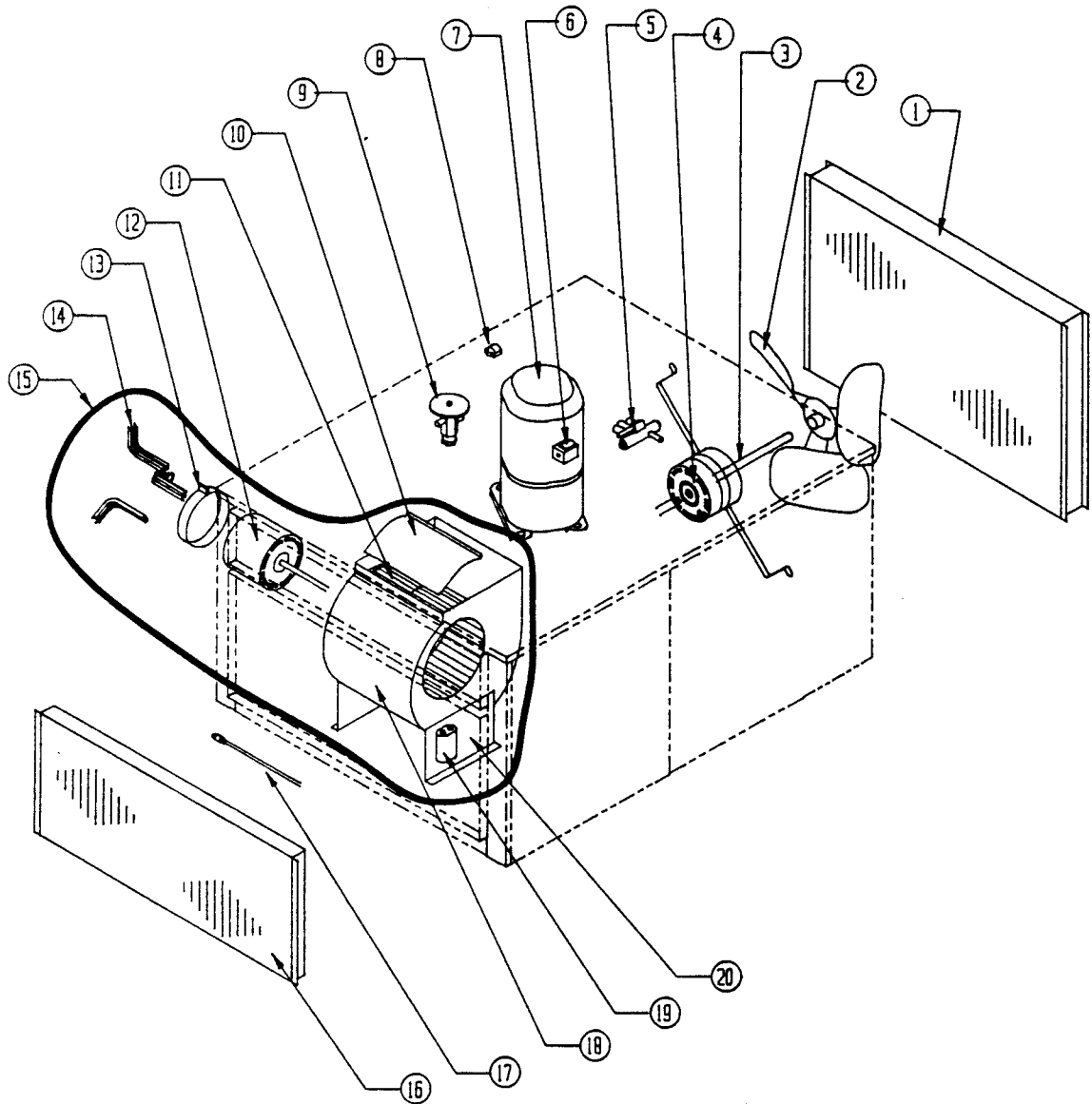
## CABINET COMPONENTS

| Item | Part No.              | Description                              | U<br>S<br>A<br>G<br>E |
|------|-----------------------|------------------------------------------|-----------------------|
| 1    | 7051-007              | Inlet Grille                             | 2                     |
| 2    | 500-272               | Left Side                                | x                     |
| 3    | 142-045               | Cover Plate--OKW                         | x                     |
| 4    | 520-240               | Blower Partition                         | x                     |
| 5    | 134-134               | Heat Strip Shield                        | x                     |
| 6    | 506-146               | Top                                      | x                     |
| 7    | 124-027               | Fan Shroud                               | x                     |
| 8    | 148-079               | Left Rear Corner                         | x                     |
| 9    | 7051-005              | Condenser Grille                         | x                     |
| 10   | 556-026               | Entrance Panel                           | x                     |
| 11   | 132-035               | Control Panel Cover                      | x                     |
| 12   | 136-246               | Blower Fill Plates                       | 2                     |
| 13   | 548-077               | Left Front Corner                        | x                     |
| 14   | 164-502               | Plenum Channel                           | x                     |
| 15   | 104-525               | Plenum Angle                             | x                     |
| 16   | Cntrl Pnl<br>Assembly | See Control Panel Drawing and Parts List | x                     |
| 17   | 122-084               | Drain Pan                                | x                     |
| 18   | 548-076               | Right Front Corner                       | x                     |
| 19   | 527-221               | Base                                     | x                     |
| 20   | 520-239               | Compressor Partition                     | x                     |
| 21   | 500-271               | Right Side                               | x                     |
| 22   | 142-044               | Entrance Cover                           | x                     |
| 23   | 148-078               | Right Rear Corner                        | x                     |

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# FUNCTIONAL COMPONENTS



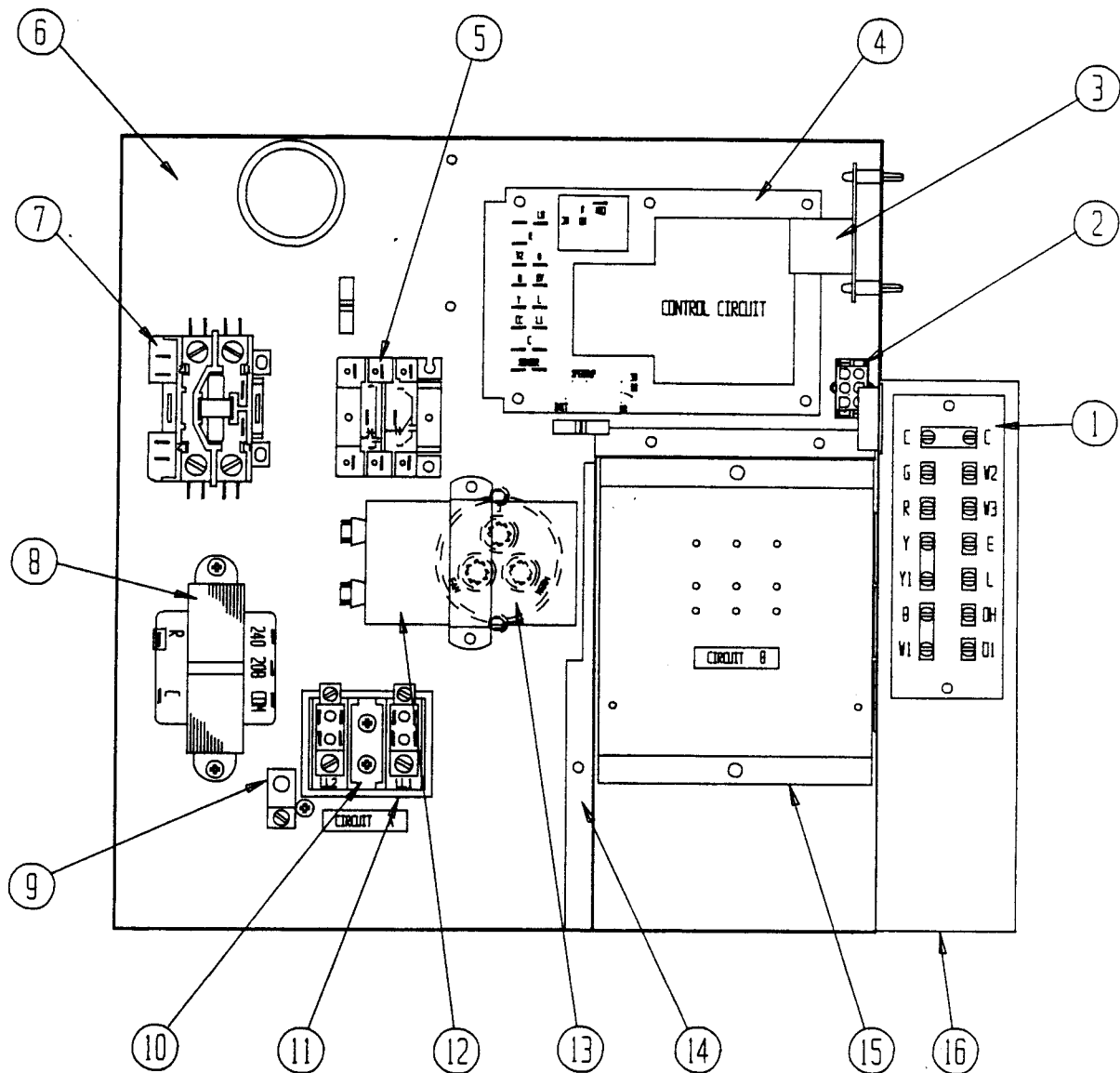
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# FUNCTIONAL COMPONENTS

| Dwg.<br>No. | Part No. | Description              | P<br>H<br>1<br>0<br>4<br>8 | P<br>H<br>1<br>0<br>4<br>8<br>-<br>B | P<br>H<br>1<br>0<br>4<br>8<br>-<br>C | P<br>H<br>1<br>0<br>6<br>0 | P<br>H<br>1<br>0<br>6<br>0<br>-<br>B | P<br>H<br>1<br>0<br>6<br>0<br>-<br>C | P<br>H<br>1<br>1<br>4<br>2<br>1 |
|-------------|----------|--------------------------|----------------------------|--------------------------------------|--------------------------------------|----------------------------|--------------------------------------|--------------------------------------|---------------------------------|
| 1           | 5051-075 | Condenser Coil           | X                          | X                                    | X                                    |                            |                                      |                                      | X                               |
| 1           | 5051-077 | Condenser Coil           |                            |                                      |                                      | X                          | X                                    | X                                    |                                 |
| 2           | 5151-027 | Fan Blade                | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 3           | 8200-004 | Motor Mount              | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 4           | 8105-039 | Motor                    | X                          | X                                    |                                      | X                          | X                                    |                                      | X                               |
| 4           | 8105-030 | Motor                    |                            |                                      | X                                    |                            |                                      | X                                    |                                 |
| 5           | 5650-024 | Reversing Valve          | X                          | X                                    | X                                    |                            |                                      |                                      |                                 |
| 5           | 5650-025 | Reversing Valve          |                            |                                      |                                      | X                          | X                                    | X                                    | X                               |
| 6           | 5650-022 | Solenoid Coil            | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 7           | 8000-149 | Compressor               | X                          |                                      |                                      |                            |                                      |                                      |                                 |
| 7           | 8000-156 | Compressor               |                            | X                                    |                                      |                            |                                      |                                      |                                 |
| 7           | 8000-157 | Compressor               |                            |                                      | X                                    |                            |                                      |                                      |                                 |
| 7           | 8000-153 | Compressor               |                            |                                      |                                      | X                          |                                      |                                      |                                 |
| 7           | 8000-154 | Compressor               |                            |                                      |                                      |                            | X                                    |                                      |                                 |
| 7           | 8000-155 | Compressor               |                            |                                      |                                      |                            |                                      | X                                    |                                 |
| 7           | 8000-109 | Compressor               |                            |                                      |                                      |                            |                                      |                                      | X                               |
| 8           | 8408-027 | Defrost Sensor           | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 9           | 5651-102 | Expansion Valve          | X                          | X                                    | X                                    |                            |                                      |                                      | X                               |
| 9           | 5651-103 | Expansion Valve          |                            |                                      |                                      | X                          | X                                    | X                                    |                                 |
| 10          | 144-130  | Diffuser                 | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 11          | 5152-049 | Blower Wheel             | X                          | X                                    | X                                    | X                          | X                                    | X                                    |                                 |
| 11          | 5152-071 | Blower Wheel             |                            |                                      |                                      |                            |                                      |                                      | X                               |
| 12          | 8106-031 | Motor                    | X                          | X                                    |                                      | X                          | X                                    |                                      | X                               |
| 12          | 8106-032 | Motor                    |                            |                                      | X                                    |                            |                                      | X                                    |                                 |
| 13          | 8200-033 | Motor Mount Band         | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 14          | 8200-034 | Motor Mount Arms         | 3                          | 3                                    | 3                                    | 3                          | 3                                    | 3                                    | 3                               |
| 15          | 900-190  | Complete Blower Assembly | X                          | X                                    |                                      | X                          | X                                    |                                      |                                 |
| 15          | 900-191  | Complete Blower Assembly |                            |                                      |                                      |                            |                                      |                                      | X                               |
| 15          | 900-192  | Complete Blower Assembly |                            |                                      | X                                    |                            |                                      | X                                    |                                 |
| 16          | 5060-070 | Evaporator Coil          | X                          | X                                    | X                                    |                            |                                      |                                      | X                               |
| 16          | 5060-071 | Evaporator Coil          |                            |                                      |                                      | X                          | X                                    | X                                    |                                 |
| 17          | 800-0214 | Cooling Distributor      | X                          | X                                    | X                                    |                            |                                      |                                      |                                 |
| 17          | 800-0218 | Cooling Distributor      |                            |                                      |                                      | X                          | X                                    | X                                    |                                 |
| 17          | 800-0223 | Cooling Distributor      |                            |                                      |                                      |                            |                                      |                                      | X                               |
| 18          | 151-097  | Blower Housing           | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 19          | 8552-005 | Capacitor 5-370          | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 20          | 104-795  | Blower Angles            | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |

Date: 9-01-93  
Supersedes:

# CONTROL PANEL



Date: 9-01-93  
Supersedes:

# CONTROL PANEL

| Dwg.<br>No. | Part No.  | Description                | P<br>H<br>1<br>0<br>4<br>8 | P<br>H<br>1<br>0<br>4<br>8<br>-<br>B | P<br>H<br>1<br>0<br>4<br>8<br>-<br>C | P<br>H<br>1<br>0<br>6<br>0 | P<br>H<br>1<br>0<br>6<br>0<br>-<br>B | P<br>H<br>1<br>0<br>6<br>0<br>-<br>C | P<br>H<br>1<br>1<br>4<br>2<br>1 |
|-------------|-----------|----------------------------|----------------------------|--------------------------------------|--------------------------------------|----------------------------|--------------------------------------|--------------------------------------|---------------------------------|
| 1           | 8607-019  | Terminal Strip             | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 2           | 3000-1000 | Wire Assembly              | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 3           | 8201-056  | Solid State Blower Control | X                          | X                                    |                                      | X                          | X                                    |                                      | X                               |
| 3           | 8201-032  | Blower Relay               |                            |                                      | X                                    |                            |                                      | X                                    |                                 |
| 4           | 8201-069  | Heat Pump Control          | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 5           | 8201-013  | Changeover Relay           | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 6           | 516-147   | Control Panel              | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 7           | 8401-016  | Contactor                  | X                          |                                      |                                      | X                          |                                      |                                      |                                 |
| 7           | 8401-002  | Contactor                  |                            | X                                    | X                                    |                            | X                                    | X                                    |                                 |
| 7           | 8401-007  | Contactor                  |                            |                                      |                                      |                            |                                      |                                      | X                               |
| 8           | 8407-035  | Transformer                | X                          | X                                    |                                      | X                          | X                                    |                                      | X                               |
| 8           | 8407-032  | Transformer                |                            |                                      | X                                    |                            |                                      | X                                    |                                 |
| 9           | 8611-006  | Ground Terminal            | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 10          | 8607-013  | Terminal Block             | X                          |                                      |                                      | X                          |                                      |                                      | X                               |
| 10          | 8607-014  | Terminal Block             |                            | X                                    | X                                    |                            | X                                    | X                                    |                                 |
| 11          | 8607-015  | Phenolic Insulator         |                            |                                      | X                                    |                            |                                      | X                                    |                                 |
| 12          | 8552-005  | Capacitor 10-370           |                            | X                                    | X                                    |                            | X                                    | X                                    |                                 |
| 13          | 8552-059  | Capacitor 60/10-370        | X                          |                                      |                                      |                            |                                      |                                      |                                 |
| 13          | 8552-058  | Capacitor 80/10-370        |                            |                                      |                                      | X                          |                                      |                                      |                                 |
| 13          | 8552-057  | Capacitor 35/10-440        |                            |                                      |                                      |                            |                                      |                                      | X                               |
| 14          | 116-149   | Control Panel Partition    | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 15          | 116-150   | Terminal Block Support     | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
| 16          | 116-148   | Low Voltage Box            | X                          | X                                    | X                                    | X                          | X                                    | X                                    | X                               |
|             | 4066-114  | Wiring Diagram             | X                          |                                      |                                      | X                          |                                      |                                      |                                 |
|             | 4066-211  | Wiring Diagram             |                            | X                                    |                                      |                            | X                                    |                                      |                                 |
|             | 4066-311  | Wiring Diagram             |                            |                                      | X                                    |                            |                                      | X                                    |                                 |
|             | 4066-113  | Wiring Diagram             |                            |                                      |                                      |                            |                                      |                                      | X                               |

Date: 12-20-93  
Supersedes: 9-01-93