WALL MOUNTED PACKAGE AIR CONDITIONER

REPLACEMENT **PARTS MANUAL**

WA422D WA381 Models: WA421 **WA483D WA482** WA603D **WA491 WA602**

General Notes

Revised and/or additional pages may be issued from time to time.

> A complete and current manual consists of pages shown in the following contents section.

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| | • Usage List 13 |

Important

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 plates.

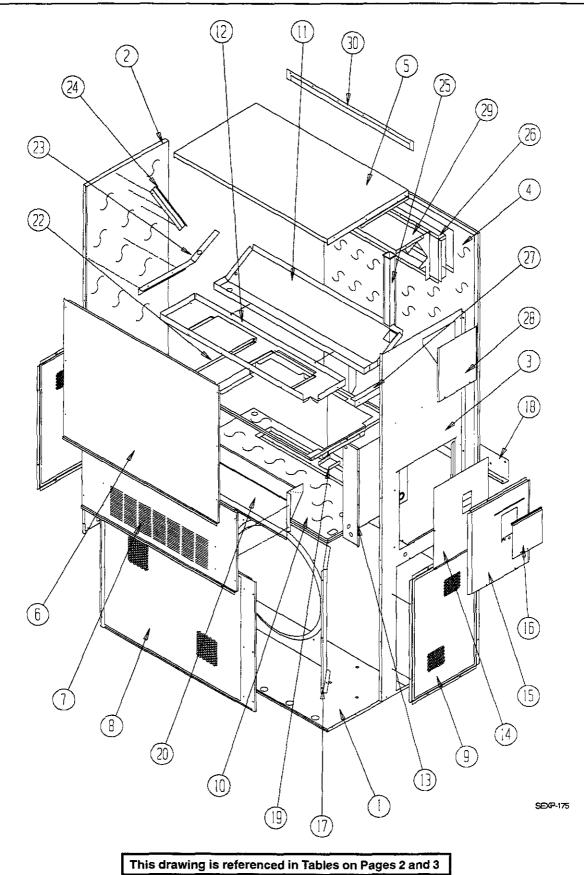
Since 1914...Moving ahead, just as planned. SINCE 1914 CLIMATE CONTROL SOLUTIONS

BARD MANUFACTURING COMPANY Bryan, Ohio 43506

Manual: Supersedes: File: Date:

2110-413L 2110-413K 2150-004, Tab 16 05-09-01

CABINET COMPONENTS



| Drawing | | | WA381-A, B | WA381-C | WA421-A,B,E | WA421-C,F | WA4222DA, B | WA422DC | WA482-A,B,E | WA482-C, F | WA483DA,B | WA483DC |
|---------|------------------------|---|------------|---------|-------------|-----------|-------------|----------|-------------|------------|-----------|---------|
| No. | Part No. | Description | - | | - | | _ | | - | | | - |
| 1 | S127X214 | Lower Base | X | X | X | X | X | X | X | X | Х | X |
| 2 | S500-262-* ① | Left Side | X | X | X | Х | X | X | X | X | Х | X |
| 3 | S500-261-* ① | Right Side | X | X | X | X | X | X | X | X | Х | X |
| 4 | S508-098 | Back | X | X | X | X | X | X | X | X | Х | X |
| 5 | S506-142-* ① | Тор | X | X | X | Х | X | X | X | X | Х | Х |
| 6 | S514-077-* ① | Upper Front | X | X | X | X | X | X | X | X | Х | X |
| 7 | S552-224-* ① | Service Door | X | X | X | Х | X | X | X | X | Х | X |
| 8 | 118-031-* ^① | Condenser Grille | X | Х | X | Х | X | x | X | X | Х | X |
| 9 | 118-032-* ① | Side Grille | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 10 | S521X258 | Condenser Partition | X | x | X | X | x | x | TX | x | X | x |
| 11 | 123-083 | Drain Pan | 1 | | X | X | X | X | X | X | X | X |
| 11 | 123-102 | Drain Pan | X | X | | | | | | | | |
| 12 | 121X216 | Blower Partition | | | X | X | X | X | X | X | Х | X |
| 13 | Control Panel | See Control Panel Assembly Assembly Drawing & Parts List | X | X | X | Х | X | X | X | X | Х | X |
| 14 | S133-114 | Control Panel Cover (Inner) | X | | X | | X | | X | | Х | |
| 14 | <u>S133-115</u> | Control Panel Cover (Inner) | | X | L | Х | | X | | X | | X |
| 15 | S533-113-* ① | Control Panel Cover (Outer) | X | X | X | Х | X | X | X | X | Х | |
| 16 | S153-218-* ① | Dicsonnect Access Door | X | Х | X | Х | X | X | X | Х | X | X |
| 17 | 125-024 | Fan Shroud | X | Х | X | Х | X | X | X | Х | Х | X |
| 18 | 113-140 | Bottom Mounting Bracket | X | Х | X | Х | X | Х | X | Х | Х | X |
| 19 | 137-209 | Fill | Х | X | X | Х | X | Х | X | Х | Х | Х |
| 20 | BFAD-5 | Fresh Air Damper Assembly | X | Х | X | X | X | Х | X | Х | Х | Х |
| 22 | 131X099 | Filter Tray | X | X | X | Х | X | Х | X | Х | Х | Х |
| 23 | 105X877 | Left Side Support | X | Х | X | Х | X | X | X | Х | Х | X |
| 24 | 147-046-* ① | Left Evaporator Support | X | X | X | Х | X | X | X | X | X | X |
| 25 | 135-128 | Raceway | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 26 | 111X034 | Oulet Airframe Assembly | X | X | X | X | X | X | X | X | X | Х |
| 27 | 105X878 | Right Side Support | X | X | X | X | X | X | X | X | X | X |
| 28 | S143-042-* ① | Right Side Cover Plate (Outer) | X | X | X | Х | X | Х | X | X | X | X |
| 29 | 135-129 | Heat Shield | X | Х | X | Х | X | X | X | Х | Х | X |
| 30 | 113-150-* D | Top Rain Flashing | X | Х | X | Х | X | Х | X | Х | Х | X |

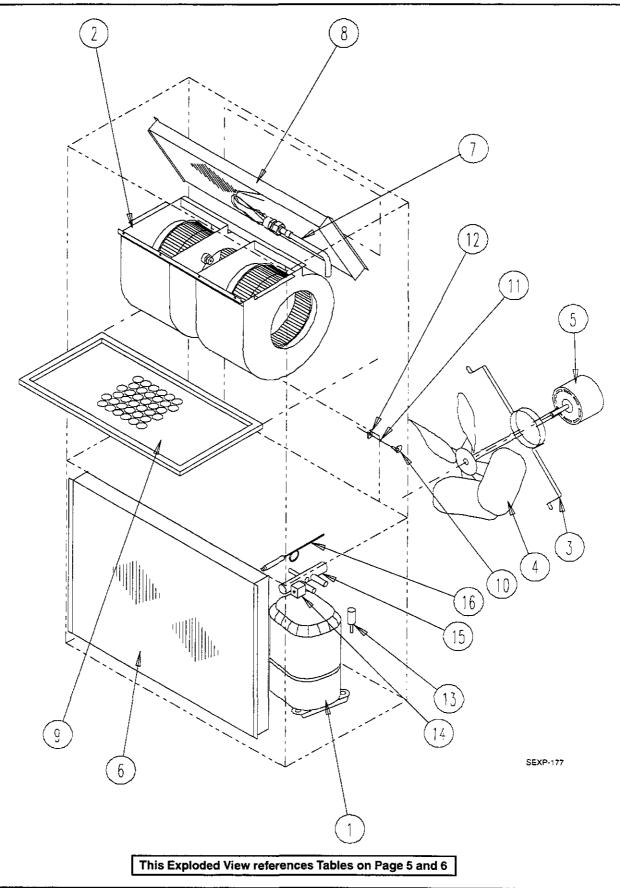
① NOTE: Exterior cabinet parts are manufactured with various paint color options. To insure that you receive the proper paint color, you must include the complete model and serial number of the unit for which cabinet parts are being ordered.

CABINET COMPONENTS

| | | | WA491-A, B | WA491-C | WA602-A,B,E | WA602-C,F | WA603DA, B | WA303DC |
|---------|------------------------|--------------------------------|------------|---------|-------------|------------|------------|---------|
| Drawing | | | 242 | 149 | V60 | 460 | V60 | 130 |
| No. | Part No. | Description | Ż | Ň | Š | Š | Ň | Ň |
| | S127X214 | Lower Base | x | X | X | X | X | X |
| 2 | S500-262-* ① | Left Side | X | X | X | X | X | X |
| 3 | S500-261-* ① | Right Side | X | X | X | X | X | X |
| 4 | S508-098 | Back | X | X | X | X | X | X |
| 5 | S506-142-* ① | Тор | X | X | X | X | X | X |
| 6 | S514-077-* 0 | Upper Front | X | X | X | X | X | X |
| 7 | S552-224-* ① | Service Door | X | X | Х | X | X | X |
| 8 | 118-031-* O | Condenser Grille | X | X | X | X | X | X |
| 9 | 118-032-* D | Side Grille | 2 | 2 | 2 | 2 | 2 | 2 |
| 10 | S521X258 | Condenser Partition | X | Х | Х | X | X | X |
| 11 | 123-083 | Drain Pan | | | Х | X | Х | X |
| 11 | 123-102 | Drain Pan | X | X | | | | |
| 12 | 121X216 | Blower Partition | X | Х | Х | X | X | X |
| 13 | Control Panel | See Control Panel Assembly | X | X | Х | X | X | X |
| | Assembly | Drawing & Parts List | | | | | | |
| 14 | S133-114 | Control Panel Cover (Inner) | X | | Х | | Х | |
| 14 | S133-115 | Control Panel Cover (Inner) | | Х | | X | | X |
| 15 | S533-113-* ① | Control Panel Cover (Outer) | X | X | X | X | X | X |
| 16 | S153-218-* ① | Dicsonnect Access Door | X | X | X | X | Х | Х |
| 17 | 125-024 | Fan Shroud | X | X | Х | X | Х | X |
| 18 | 113-140 | Bottom Mounting Bracket | X | Х | Х | X | Х | |
| 19 | 137-209 | Fill | X | _X _ | Х | Х | Х | X |
| 20 | BFAD-5 | Fresh Air Damper Assembly | X | X | X | X | Х | X |
| 22 | 131X099 | Filter Tray | X | X | X | X | X | X |
| 23 | 105X877 | Left Side Support | X | X | X | X | X | X |
| 24 | 147-046-* ^① | Left Evaporator Support | X | X | Х | X | Х | Х |
| 25 | 135-128 | Raceway | 2 | 2 | 2 | 2 | 2 | 2 |
| 26 | 111X034 | Oulet Airframe Assembly | X | X | X | _X_ | X | X |
| 27 | 105X878 | Right Side Support | X. | X | X | X | Χ | X |
| 28 | S143-042-* ① | Right Side Cover Plate (Outer) | X | X | Х | X | X | X |
| 29 | 135-129 | Heat Shield | X | X | X | X | Х | Х |
| 30 | 113-150-* D | Top Rain Flashing | X | Х | Х | X | Х | X |

In NOTE: Exterior cabinet parts are manufactured with various paint color options. To insure that you receive the proper paint color, you must include the complete model and serial number of the unit for which cabinet parts are being ordered.

FUNCTIONAL COMPONENTS



FUNCTIONAL COMPONENTS

| | | | | | | | ш | | | | | | | | |
|---------|-----------|-------------------------------|---------|---------|----------|----------|----------|---------|---------|---------|---------|----------|----------|-----------|------------|
| | | | Ą | ņ | ပု | ج. | WA421-B, | ပု | ų | WA422DA | WA422DB | WA422DC | Ą | ņ | ပု |
| | | | NA381-A | WA381-B | WA381-C | WA421-A | ភ្ល | WA421-C | WA421-F | 22 | 221 | 22 | WA491-A | WA491-B | WA491-C |
| Drawing | g | | A3 | Ε¥ | Å3 | Ł | A4 | A4 | Ā | A4 | A4 | A4 | A4 | A4 | A 4 |
| No. | Part No. | Description | 3 | 3 | 3 | 3 | 3 | 3 | 3 | ≥ | S | 3 | 3 | 3 | S |
| 1 | 8000-126 | Compressor | T | | | X | | | | X | ŀ | | - | | \square |
| 1 | 8000-127 | Compressor | | | | | X | | | | X | | ĺ | | |
| 1 | 8000-128 | Compressor | ļ | Į | [| l | [| X | [X] | ļ | | X I | Į | (! | ļ |
| 1 | 8000-251 | Compressor | X | | | 1 | | | | | 1 | | 1 | | |
| 1 | 8000-163 | Compressor | Ì | X | i i | | | | 1 | ĺ | | | | | |
| 1 | 8000-164 | Compressor | | | X | | | i i | | | | | | | |
| 1 1 | 8000-218 | Compressor | | } | 1 | 1 | | 1 | · ۱ | ĺ | 1 | | X | 1 | |
| 1 | 8000-219 | Compressor | | | | | | | | | | | | X | |
| 1 1 | 8000-220 | Compressor | | | | | | | | | | | ļ | | x |
| 2 | \$900-183 | Blower Assembly | | | [| X | X | t | X | X | X | | [| | \square |
| 2 | S900-184 | Blower Assembly | | | 1 | | 1 | X | 1 | | | X | i i | | |
| 2 | S900-242 | Blower Assembly | X | X | | | | | | | | | X | (x | |
| 2 | S900-243 | Blower Assembly | | | X | | | | | | | | ł | | X |
| 3 | 8200-004 | Fan Motor Mount | TX | X | X | X | X | X | X | X | X | X | X | X | X |
| 4 | 5151-027 | Fan Blade | X | X | X | X | X | Х | X | X | X | X | X | X | X |
| 5 | 8105-030 | Condenser Motor | 1 | | X | | | X | | | | X | | | X |
| 5 | 8105-039 | Condenser Motor | X | X | ļ | X | X | ļ | X | X | X | | X | X | |
| 6 | 5051-078 | Condenser Coil | TX | X | X | X | X | X | X | X | X | X | | | |
| 6 | 5051-074 | Condenser Coil | | | | | | | | | | | X | x | X |
| 7 | 5651-078 | Expansion Valve | | | | | | | | X | X | X | | | |
| 7 | 800-0203 | Cooling Capillary Assembly | | | 1 | X | X | X | X | 1 | | | 1 | | |
| 7 | 800-0313 | Distributor Assembly | X | X | X | | | | | | Í | | | | |
| 7 | 800-0314 | Distributor Assembly | | | 1 | | | | | | | | X | X | x |
| 8 | 5060-070 | Evaporator Coil | TX | X | X | X | X | X | X | | | | | <u> </u> | |
| 8 | 917-0042 | Evaporator Coil | | | | [| | | | X | X | X | | | |
| 8 | 5060-082 | Evaporator Coil | | | | | | | | | | - | X | X | X |
| 9 | 7004-016 | Air Filter 1" Throw-Away | X | Х | X | X | X | Х | X | X | X | X | X | X | Х |
| 9 | 7003-030 | Air Filter 1" Washable | 1 X | X | X | X | X | X | X | X | X | X | X | X | X |
| 9 | 7004-027 | Air Filter 2" Pleated | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 10 | 1171-022 | 1/4" Turn Fastener | X | Х | X | X | X | Х | X | X | X | X | X | X | Х |
| 11 | 1171-024 | 1/4" Turn Retainer | X | Х | Х | X | Х | X | Х | X | X | Х | Х | X | Х |
| 12 | 1171-023 | 1/4" Receptacle | X | Х | X | X | X | X | Х | X | X | X | X | X | X |
| 13 | 1804-0106 | High Pressure Switch (Flare) | Tx | X | X | 0 | 0 | 0 | 0 | | | | X | X | X |
| 14 | 5650-027 | Solenoid Coil | | | | | | - | | X | X | X | | | |
| 15 | 5650-026 | Three-Way Valve | 1 | | | <u> </u> | | | | X | X | X | <u> </u> | | |
| 16 | 800-0271 | Drain Back Capillary | 1 | | <u> </u> | | · | | | X | X | X | | | |
| NS | 1804-0107 | Low Pressure Switch (Flare) ① | X | Х | X | X | Х | Х | Х | | | <u> </u> | X | x | Х |
| NS | CMA-6 | Low Ambient Control (Flare) ① | X | X | Х | X | Х | Х | Х | | | | X | X | X |

NS - Not Shown

O-Optional on these models

This Table references Exploded View on Page 4

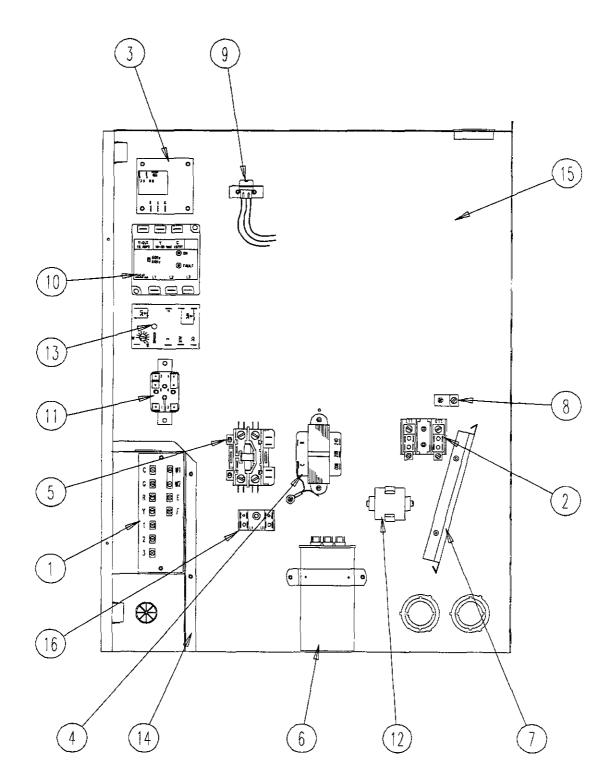
FUNCTIONAL COMPONENTS

| Duur | | | WA482-A | WA482-B,E | WA482-C | WA482-F | WA483DA | WA483DB | WA483DC | WA602-A | WA602-B,E | WA602-C | WA602-F | WA603DA | WA603DB | WA603DC |
|-------------|-----------|-----------------------------------|---------|-----------|---------|---------|---------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|
| Dwg. No. | Part No. | Description | Š | Ň | Š | Š | Š | Š | Š | Ň | Ň | Ň | Š | Š | Ň | Š |
| 1 | 8000-153 | Compressor | | <u> </u> | ī — | | | | | X | | | Γ | X | | |
| 1 | 8000-154 | Compressor | | | | | | | | ļ | X | | | | X | |
| 1 | 8000-155 | Compressor | | | ŀ | | | | | | | X | X | | | x |
| 1 | 8000-149 | Compressor | X | | | | Х | | | | | | | | | |
| 1 | 8000-156 | Compressor | | X | | | | х | | | | | | | | |
| 1 | 8000-157 | Compressor | | | X | X | | | х | | | | | | | |
| 2 | S900-183 | Blower Assembly | Х | Х | | X | Х | Х | | | | | | | | |
| 2 | S900-184 | Blower Assembly | | | X | | | | х | | | | | | | |
| 2 | S900-185 | Blower Assembly | | | | | | | | X | X | | X | X | X | |
| 2 | S900-186 | Blower Assembly | | | | | | | | | | X | | | | X |
| 3 | 8200-004 | Fan Motor Mount | Х | Х | X | X | X | Х | Х | X | X | Х | Х | Х | X | X |
| 4 | 5151-027 | Fan Blade | Х | Х | X | Х | X | Х | X | Х | Х | Х | Х | X | X | X |
| 5 | 8105-030 | Condenser Motor | | _ | X | | | | Х | | | Х | | | | Х |
| 5 | 8105-039 | Condenser Motor | X | X | | X | X | Х | | X | X |) ' | X | X |) X | i 1 |
| 6 | 5051-074 | Condenser Coil | Х | Х | X | Х | Х | Х | Х | Х | Х | Х | X | Х | X | X |
| 7 | 5651-078 | Expansion Valve | | | | | Х | Х | Х | Ĩ | | | | | | |
| 7 | 5651-079 | Expansion Valve | | | | | | | | | | | | X | X | X |
| 7 | 800-0204 | Cooling Capillary Assembly | X | Х | X | Х | | | | | | | | | | |
| 7 | 800-0209 | Cool. Cap. Assy.(S/N before M95) | | | | | | | | Х | Х | X | X | | | |
| 7 | 800-0232 | Cool. Cap. Assy.(S/N starting M95 | | | | | | | | Х | Х | X | Х | | | |
| 8 | 5060-070 | Evaporator Coil | X | Х | X | Х | | | | | | | | | | |
| 8 | 5060-071 | Evap. Coil (S/N before M95) | | | | | 1 | | | X | X | Х | Х | | | |
| 8 | 5060-082 | Evap. Coil (S/N starting M95) | | | | | | | | X | X | X | X | | | |
| 8 | 917-0042 | Evaporator Coil | | | | | Х | Х | Х | | | | | | | |
| 8 | 917-0044 | Evaporator Coil | | | | | | | | | | | | X | X | Х |
| 9 | 7004-016 | Air Filter 1" Throw-Away | Х | Х | X | Х | Х | Х | Х | Х | Х | X | Х | Х | X | Х |
| 9 | 7003-030 | Air Filter 1" Washable | X | Х | X | Х | Х | Х | Х | Х | X | Х | Х | X | X | X |
| 9 | 7004-027 | Air Filter 2" Pleated | X | Х | X | X | Х | Х | Х | Х | Х | Х | Х | Х | X | Х |
| 10 | 1171-022 | 1/4" Turn Fastener | Х | Х | X | Х | Х | X | Х | Х | X | Х | Х | Х | Х | Х |
| 11 | 1171-024 | 1/4" Turn Retainer | Х | Х | Х | Х | Х | Х | Х | Х | X | Х | Х | Х | Х | Х |
| 13 | 1804-0106 | High Pressure Switch (Flare) ① | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х |
| 14 | 5650-027 | Solenoid Coil | | | | | X | Х | Х | | | | | Х | Х | X |
| 15 | 5650-026 | Three-Way Valve | | | | | X | Х | Х | | | | | Х | Х | Х |
| 16 | 800-0272 | Drain Back Capillary | | | | | X | Х | X | | | | | Х | Х | X |
| NS | CMA-6 | Low Ambient Control (Flare) | Θ | X | Х | Х | X | | | | Х | Х | Х | Х | | |
| NS | 1804-0107 | Low Pressure Switch (Flare) ① | Х | Х | Х | Х | | | | Х | Х | Х | X | | | |

NS - Not Shown

①- Optional on these models

This Table references Exploded View on Page 4



SEXP-325

This drawing is referenced in Tables on Pages 8 and 9

| | | | WA381-A | WA381-B | WA381-C | WA421-A | WA421-B | WA421-C | WA421-E | WA421-F | WA482-A | WA482-B | WA482-C | WA482-E | WA482-F |
|---------|----------|--------------------------------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| Drawing | | | A3 | A3 | A3 | A4 | ¥. | A4 | A4 |
| No. | Part No. | Description | - | | | | | | | | | | | - | 3 |
| 1 | 8607-020 | Low Voltage Terminal Strip | X | X | X | X | Х | Х | Х | Х | X | X | X | Х | |
| 2 | 8607-013 | Terminal Block 2 Pole | X | | | 1 | | | | 2 | X | | ł | | 2 |
| 2 | 8607-014 | Terminal Block 3 Pole | | X | X | | X | X | Х | | | X | X | X | |
| 2 | 8607-015 | Phenolic Insulator | | | X | | | Х | | I | | | X | | |
| 3 | 8201-056 | Blower Control | X | X | [| X | X | ļ | Х | X | X | X | ļ | X | X |
| 3 | 8201-032 | Blower Relay | | | X | | | X | | | | | X | | |
| 4 | 8407-034 | Transformer | X | X | | X | X | | Х | Х | X | X | | X | X |
| 4 | 8407-042 | Transformer | | | X | | | Х | | | | | X | | |
| 5 | 8401-002 | Compressor Contactor | | X | X | | Х | Х | Х | Х | | X | X | X | X |
| 5 | 8401-007 | Compressor Contactor | | | | X | | ł | | | | l | | | |
| 5 | 8401-025 | Compressor Contactor | X | | | | | | | | X | | | | |
| 6 | 8552-005 | Outdoor Motor Capacitor | | X | | | X | | Х | Х | | X | | Х | X |
| 6 | 8552-026 | Outdoor Motor Capacitor | | | X | | | Х | | | | | X | | |
| 6 | 8552-055 | Compressor Capacitor | X | l | | [X] | | Į | | l | | l | | | 1 |
| 6 | 8552-059 | Compressor Capacitor | | | | | | | | | Х | | | | |
| 7 | 135-130 | Wire Shield | X | X | X | X | X | Х | Х | Х | Х | Х | X | X | X |
| 8 | 8611-006 | Ground Terminal | X | X | X | X | X | Х | X | Х | X | X | Х | Х | X |
| 9 | 3000-978 | 6 Pin Connector | X | X | X | X | X | X | Х | X | Х | X | X | X | X |
| 10 | 8201-085 | Phase Monitor | | X | X | | X | Х | X | X | | X | Х | X | X |
| 11 | 8201-062 | Alarm Relay (Optional) | X | Х | X | X | Х | Х | Х | X | X | X | X | X | Х |
| 12 | 8551-005 | Start Device (PTCR) (Optional) | X | | <u>i</u> | X | | | | | X | | | | |
| 13 | 8201-088 | Compressor Control Module | X | X | X | 0 | 0 | 1 | 0 | 1 | Х | X | Х | X | X |
| 14 | 117X139 | Low Voltage Box | X | X | X | X | X | Х | X | X | X | X | X | X | X |
| 15 | 117X143 | Control Panel | X | X | X | X | X | X | Х | Х | X | Х | Х | X | X |
| 16 | 8607-017 | Terminal Block (Optional) | X | X | X | X | Х | X | Х | Х | X | X | Х | X | X |
| NS | 8615-038 | Circuit Breaker 35 A 2 Pole 2 | X | | | | | | | | 1 | | | | |
| NS | 8615-040 | Circuit Breaker 50 A 2 Pole Ø | | | | X | | ļ | | | X | | | | |
| NS | 8615-042 | Circuit Breaker 35 A 3 Pole Ø | | | | | X | | Х | | | X | | X | |
| NS | 8615-052 | Circuit Breaker 30 A 3 Pole Ø | | X | | | | | | | | | | | |
| NS | 8615-053 | Pull Disconnect @ | | | X | | | X | | X | | | X | | X |
| NS | 4095-130 | Wiring Diagram | 1 | 1 | | Tx | | | | | | | | <u> </u> | |
| NS | 4095-128 | Wiring Diagram | X | | | | | | | | X | [| | | |
| NS | 4095-228 | Wiring Diagram | 1 | { | 1 | | X | 1 | | ł | } | 1 | 1 | | |
| NS | 4095-227 | Wiring Diagram | | X | | | | | | ł | ł | X | | | |
| NS | 4095-229 | Wiring Diagram | | | 1 | | | 1 | | | | | | X | |
| NS | 4095-230 | Wiring Diagram | 1 | 1 | | | | | x | | | 1 | | | |
| NS | 4095-319 | Wiring Diagram | 1 | [| | | | x | | | | ľ | ł | | |
| NS | 4095-318 | Wiring Diagram | 1 | | X | l | [| | | | | ŀ | X | | |
| NS | 4095-623 | Wiring Diagram | | | | | 1 | | | | | | | | X |
| NS | 4095-622 | Wiring Diagram | | | | | | | | x | | l | | | |

CONTROL PANEL

① Optional on these models.

Circuit breakers listed are for units without electric heat."0Z" models. Hot gas bypass models not available without electric heat. See Heater Replacement Parts Manual for units with electric heat.

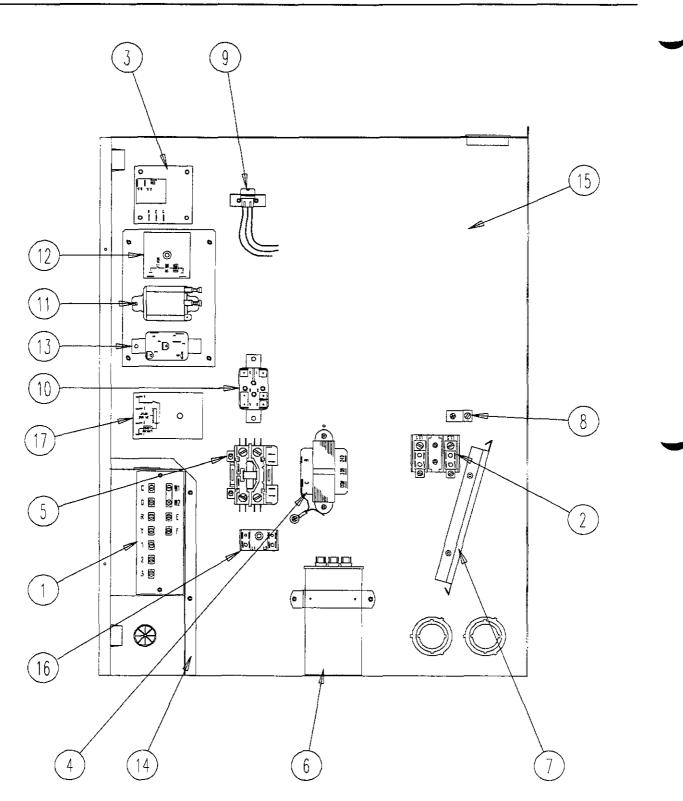
NS Not shown

| | | | WA491-A | WA491-B | WA491-C | WA602-A | WA602-B | WA602-C | WA602-E | WA602-F |
|------------|----------|--------------------------------|---------|----------|----------|---------|---------|---------|---------|---------|
| Drawing | | | A2 | ٨A | Ϋ́Υ | λĀ | VAC | Υ¥6 | VAE | A6 |
| <u>No.</u> | Part No. | Description | - | <u> </u> | <u> </u> | | | > | | |
| 2 | 8607-013 | Terminal Block 2 Pole | X | | | X | | | | 2 |
| 2 | 8607-014 | Terminal Block 3 Pole | | X | Х | | X | Х | X | |
| 2 | 8607-015 | Phenolic Insulator | | <u> </u> | Х | L | | Х | | |
| 3 | 8201-056 | Blower Control | X | X | | Х | X | | Х | X |
| 3 | 8201-032 | Blower Relay | | | <u> </u> | | L | L X | | |
| 4 | 8407-034 | Transformer | X | X | | X | X | 1 | X | X |
| 4 | 8407-042 | Transformer | | | X | | | Х | | |
| 5 | 8401-002 | Compressor Contactor | | X | Х | | Х | Х | X | Х |
| 5 | 8401-007 | Compressor Contactor | | | | | | | | 1 |
| 5 | 8401-025 | Compressor Contactor | X | | | X | | | | |
| 6 | 8552-005 | Outdoor Motor Capacitor | | X | | | X | | X | X |
| 6 | 8552-026 | Outdoor Motor Capacitor | | | Х | | | X | | |
| 6 | 8552-059 | Compressor Capacitor | X | | | | | | | |
| 6 | 8552-058 | Compressor Capacitor | | | | X | } | | | |
| 7 | 135-130 | Wire Shield | Х | X | X | Х | Х | Х | Х | Х |
| 8 | 8611-006 | Ground Terminal | X | X | X | Х | Х | X | X | X |
| 9 | 3000-978 | 6 Pin Connector | X | X | Х | Х | Х | Х | X | X |
| 10 | 8201-085 | Phase Monitor | | X | X | | X | X | Х | X |
| 11 | 8201-062 | Alarm Relay (Optional) | X | Х | Х | Х | X | X | Х | X |
| 12 | 8551-005 | Start Device (PTCR) (Optional) | X | | | Х | | | | |
| 13 | 8201-088 | Compressor Control Module | X | Х | X | Х | X | Х | X | X |
| 14 | 117X139 | Low Voltage Box | X | X | X | X | X | X | X | X |
| 15 | 117X143 | Control Panel | X | X | Х | Х | X | Х | X | X |
| 16 | 8607-017 | Terminal Block (Optional) | X | X | Х | Х | X | Х | X | X |
| NS | 8615-040 | Circuit Breaker 50 A 2 Pole @ | X | | | | | | | |
|) NS | 8615-043 | Circuit Breaker 40 A 3 Pole @ | | X | | | | | | |
| NS | 8615-053 | Pull Disconnect @ | ł | | x | | | x | | X |
| NS | 8615-041 | Circuit Breaker 60 A 2 Pole Ø | | | | х | | | | |
| l NS | 8615-044 | Circuit Breaker 45 A 3 Pole @ | | | | ~ | x | | x | |
| NS NS | 4095-128 | Wiring Diagram | X | | | X | | | | |
| NS | 4095-227 | Wiring Diagram | | x | | | х | | | |
| NS | 4095-227 | Wiring Diagram | | ^ | | | | | x | |
| NS | 4095-318 | Wiring Diagram | | | х | | | x | ^ | |
| NS | | | | | ^ | | | ^ | | |
| _ NO | 4095-623 | Wiring Diagram | | | | | | | | X |

Circuit breakers listed are for units without electric heat. "0Z" models. Hot gas bypass models not available without electric heat. See Heater Replacement Parts Manual for units with electric heat.

NS Not shown

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| | | | WA422DA | WA422DB | WA422DC | WA483DA | WA483DB | WA483DC | WA603DA | WA603DB | WA603DC |
|------------|----------|--------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Drawing | | | A N | A N | M | Ā | M | M | Ā | Ā | M |
| <u>No.</u> | Part No. | Description | - | | | | - | - | | | |
| 1 | 8607-020 | Low Voltage Terminal Strip | X | X | Х | X | X | Х | X | X | Х |
| 2 | 8607-013 | Terminal Block 2 Pole | Х | | | Х | | | X | | |
| 2 | 8607-014 | Terminal Block 3 Pole | | X | Х | | Х | х | | X | X |
| 2 | 8607-015 | Phenolic Insulator | | | X | | | Х | | | Х |
| 3 | 8201-056 | Blower Control | X | X | | Х | Х | | X | X | |
| 3 | 8201-032 | Blower Relay | | | Х | | | X | | | Х |
| 4 | 8407-035 | Transformer | X | Х | | X | Х | | X | X | |
| 4 | 8407-042 | Transformer | | | Х | | | X | | | Х |
| 5 | 8401-002 | Compressor Contactor | | Х | Х | | X | Х | | Х | Х |
| 5 | 8401-016 | Compressor Contactor | | | | X | | | X | | |
| 5 | 5401-007 | Compressor Contactor | Χ_ | | | | | | | | |
| 6 | 8552-005 | Outdoor Motor Capacitor 10 MFD-370V | | Х | | | Х | | | X | |
| 6 | 8552-026 | Outdoor Motor Capacitor 15 MFD-370V | | | X | | | Х | | | X |
| 6 | 8552-058 | Compressor Capacitor 80/10 MFD-370V | | | | | | | X | | |
| 6 | 8552-059 | Compressor Capacitor 60/10 MFD-370V | | | | X | | | | | |
| 6 | 8552-055 | Compressor Capacitor 40/10 MFD-370V | Х | | | | | | | | |
| 7 | 135-130 | Wire Shield | X | Х | X | X | Х | X | X | X | Х |
| 8 | 8611-006 | Ground Terminal | X | X | Х | X | Х | X | X | X | Х |
| 9 | 3000-978 | 6 Pin Connector | X | Х | Х | X | Х | Х | X | Х | Х |
| 10 | 8201-034 | Lockout Relay | X | Х | Х | Х | Х | Х | - | | |
| 11 | 8201-071 | Control Relay #1 | X | Х | Х | X | Х | X | X | X | X |
| 12 | 8201-050 | Compressor TDR 5 Min. Delay on Break | X | X | Х | X | X | X | X | X | X |
| 13 | 8201-062 | Control Relay #2 | X | X | X | X | Х | Х | X | Х | X |
| 14 | 117X139 | Low Voltage Box | X | X | X | X | Х | Х | X | Х | Х |
| 15 | 117X143 | Control Panel | X | Х | Х | X | Х | Х | X | Х | X |
| 16 | 8607-017 | Terminal Block (Optional) | X | Х | Х | Х | Х | Х | X | X | X |
| 17 | 8201-089 | Time Delay Relay 10 Sec. Delay Off | X | Х | X | X | Х | X | X | X | X |
| NS | 8615-040 | Circuit Breaker 50 A 2 Pole ② | X | | | Х | | | | t | |
| NS | 8615-042 | Circuit Breaker 35 A 3 Pole 2 | | Х | | | Х | | | | |
| NS | 8615-053 | Pull Disconnect ② | | | Х | | | Х | | | Х |
| NS | 8615-041 | Circuit Breaker 60A 2 Pole @ | | | | | | | X | | |
| NS | 8615-044 | Circuit Breaker 45A 3 Pole @ | | | | | | | | X | _ |
| NS | 4095-118 | Wiring Diagram | X | | | | | | | | |
| NS | 4095-121 | Wiring Diagram | | | | X | | | X | t | |
| NS | 4095-220 | Wiring Diagram | | | | | X | | | X | |
| NS | 4095-221 | Wiring Diagram | · | Х | | | | | | | _ |
| NS | 4095-315 | Wiring Diagram | | | X | | | | | | |
| NS | 4095-316 | Wiring Diagram | | | | | | X | | | X |

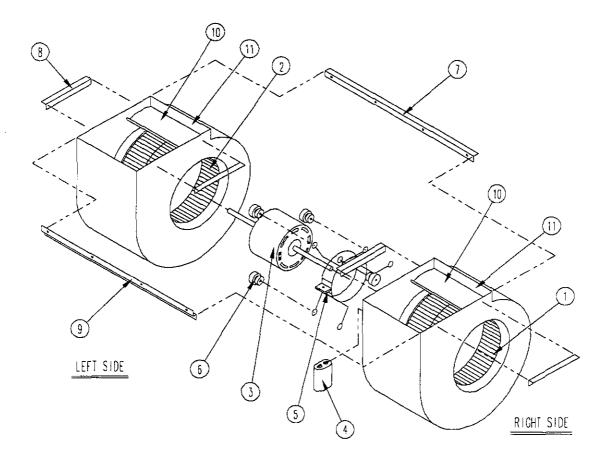
CONTROL PANEL

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Circuit breakers listed are for units without electric heat. "0Z" models. Hot gas bypass models not available without electric heat. See Heater Replacement Parts Manual for units with electric heat.

NS Not shown



SEXP-178

| Drawing No. | Part No. | Description | 900-183 | 900-184 | 900-185 | 900-186 |
|----------------|----------|------------------------|---------|---------|---------|---------|
| <u></u> | 5152-011 | 10 Inch Wheel (CW) | | | T X | |
| | 5152-057 | 9 Inch Wheel (CW) | × | x | | |
| 2 | 5152-012 | 10 Inch Wheel (CCW) | | | X | X |
| 2 | 5152-058 | 9 Inch Wheel (CCW) | X | X | | |
| 3 | 8106-030 | Blower Motor (230/208) | X | 1 | X | |
| 3 | 8106-025 | Blower Motor (460) | | X | | X |
| 4 | 8552-005 | Capacitor | X | X | X | X |
| 5 | 8200-040 | Motor Mount | X | X | X | X |
| 6 | 5451-011 | Grommets | 6 | 6 | 6 | 6 |
| 7 | 105-880 | Back Brace | X | X | X | Х |
| 8 | 105-881 | Side Angle | 4 | 4 | 4 | 4 |
| 9 | 103-389 | Front Brace | X | X | X | X |
| 10 | 151-101 | Housing | 2 | 2 | 2 | 2 |
| 11 | 144-166 | Diffuser | 2 | 2 | 2 | 2 |