

- ⚠ NOTE - FOR USE WITH COPPER CONDUCTORS ONLY REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE.
- ⚠ J2 IS USED ON ZGD UNITS ONLY OR FIELD INSTALLED
- ⚠ S48 OR CB8 MAY BE USED
- ⚠ JUMPER WHEN S11 AND S84 ARE NOT USED
- ⚠ 2-SPEED BLOWER CONTROL
- ⚠ REMOVE JUMPER WHEN INSTALLING FLOAT SWITCH

NOTE - IF ANY WIRE IN THIS APPLIANCE IS REPLACED IT MUST BE REPLACED WITH WIRE OF LIKE SIZE, RATING, TERMINATION AND INSULATION THICKNESS


WARNING - ELECTRIC SHOCK HAZARD, CAN CAUSE INJURY OR DEATH UNIT MUST BE GROUNDED IN ACCORDANCE WITH NATIONAL AND LOCAL CODES

DISCONNECT ALL POWER BEFORE SERVICING.

| J/P | JACK/PLUG DESCRIPTION |
|---------|------------------------|
| J2 | JACK, HEAT |
| P35/J35 | UNIT TEST |
| P36/J36 | OD FAN POWER EXTENSION |
| P6 | A2L UNIT CONTROL |

← DENOTES OPTIONAL COMPONENTS
 — LINE VOLTAGE FIELD INSTALLED

| KEY | COMPONENT |
|-----------|---|
| A194 | CONTROL A2L |
| B1 | COMPRESSOR 1 |
| B2 | COMPRESSOR 2 |
| B3 | MOTOR, BLOWER |
| B4 | MOTOR, OUTDOOR FAN 1 |
| B5 | MOTOR, OUTDOOR FAN 2 |
| C1 | CAPACITOR, OUTDOOR FAN 1 |
| C2 | CAPACITOR, OUTDOOR FAN 2 |
| CB8 | CIRCUIT, BREAKER T1 |
| HR1 | HEATER COMPRESSOR 1 |
| HR2 | HEATER COMPRESSOR 2 |
| S7 | SWITCH, LIMIT HI PRESS COMP 2 |
| S11 | SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 1 |
| K1-1 | CONTACTOR, COMPRESSOR 1 |
| K2-1 | CONTACTOR, COMPRESSOR 2 |
| K10-1,2,3 | RELAY, OUTDOOR FAN |
| K36-1,2 | RELAY, HEAT BLOWER, HIGH SPEED |
| K37-1 | CONTACTOR, BLOWER, HIGH SPEED |
| K198 | RELAY, COOL BLOWER, HIGH SPEED |
| K3-1 | CONTACTOR, BLOWER, LOW SPEED |
| K58-1 | RELAY, DEFROST, CONTROL |
| K8-1,2,3 | RELAY, HEATPUMP, CONTROL |
| L34 | SOLENOID, COMPRESSOR 1 |
| R55 | RESISTOR, VFD LOADING, A98 |
| RT58 | SENSOR, REFRIGERANT LEAK DETECTION |
| S4 | SWITCH, LIMIT HI PRESS COMP 1 |
| S84 | SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 2 |
| S87 | SWITCH, LOW PRESS, COMP 1 |
| S88 | SWITCH, LOW PRESS, COMP 2 |
| S9 | SWITCH, DEFROST, COMP 2 |
| T1 | TRANSFORMER, CONTROL 24VAC |
| TB13 | TERMINAL STRIP, POWER DISTRIBUTION |
| CMC1 | DEFROST CONTROL COMP1.2 & C.MONITOR COMP1 |
| CMC2 | COMPRESSOR MONITORY CONTROL COMP 2 |
| T18 | TRANSFORMER - CMC1 & CMC2, L1, L2 24VAC |
| CB18 | SWITCH, BREAKER T18 |
| DL50 | TIMER, ON-DELAY, BLOWER CONTROL |
| S6 | SWITCH, DEFROST, COMP 1 |
| S104 | SWITCH, DEFROST TERMINATION, COMP 2 |

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| 2026.06  | WIRING DIAGRAM 538552-02 HEATPUMP-MSAV-2 - SPEED ZHD,ZHD-092,102 | 06/26 REV 2 | |
| | SECTION B | | |
| | Supersedes 538304-01 | New Form No. 538552-02 | |