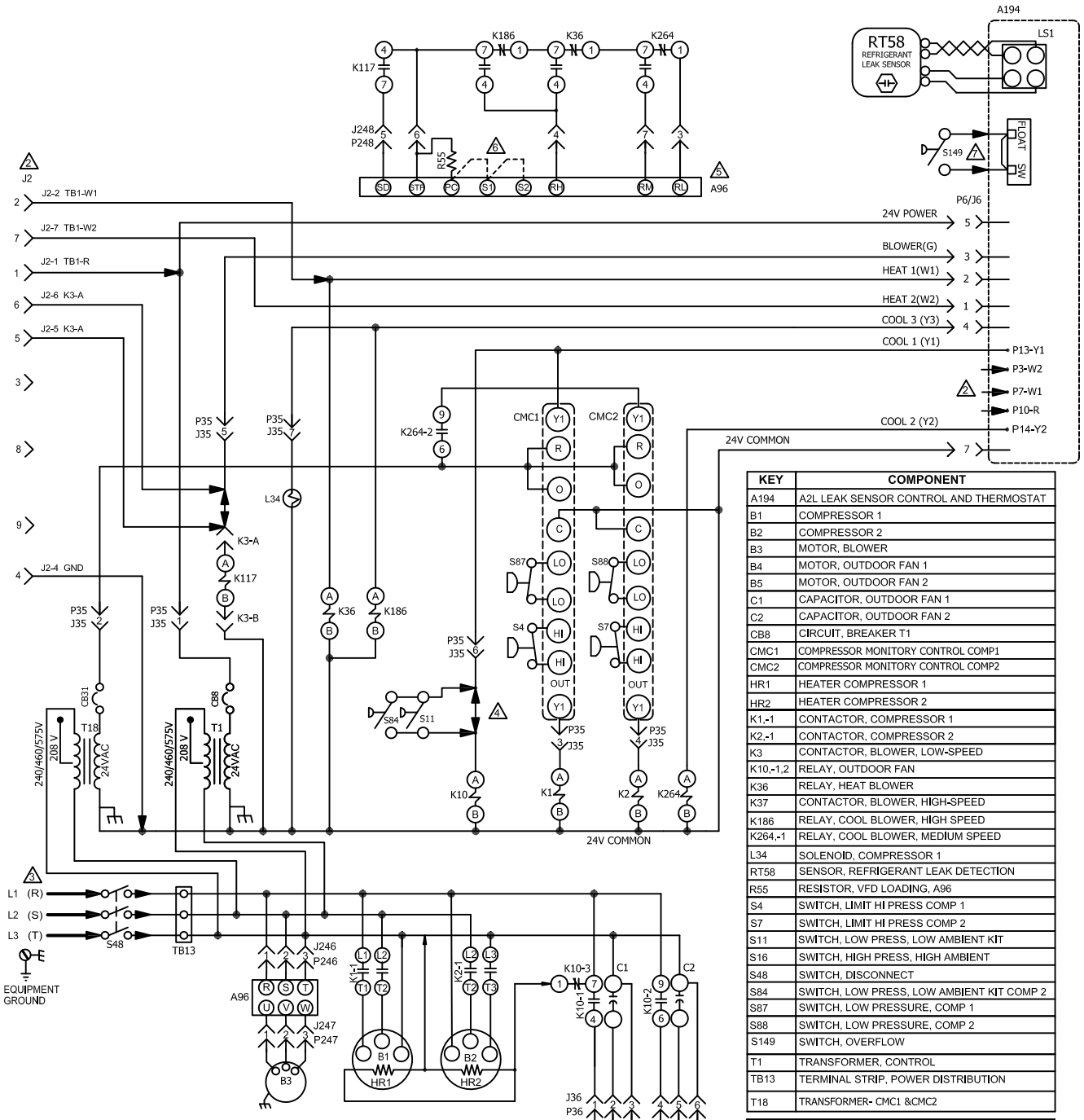

KEY	COMPONENT
A194	A2L LEAK SENSOR CONTROL AND THERMOSTAT
B1	COMPRESSOR 1
B2	COMPRESSOR 2
B3	MOTOR, BLOWER
B4	MOTOR, OUTDOOR FAN 1
B5	MOTOR, OUTDOOR FAN 2
C1	CAPACITOR, OUTDOOR FAN 1
C2	CAPACITOR, OUTDOOR FAN 2
CB8	CIRCUIT, BREAKER T1
CMC1	COMPRESSOR MONITORY CONTROL COMP1
CMC2	COMPRESSOR MONITORY CONTROL COMP2
HR1	HEATER COMPRESSOR 1
HR2	HEATER COMPRESSOR 2
K1,-1	CONTACTOR, COMPRESSOR 1
K2,-1	CONTACTOR, COMPRESSOR 2
K3	CONTACTOR, BLOWER, LOW-SPEED
K10,-1,2	RELAY, OUTDOOR FAN
K36	RELAY, HEAT BLOWER
K37	CONTACTOR, BLOWER, HIGH-SPEED
K186	RELAY, COOL BLOWER, HIGH SPEED
K264,-1	RELAY, COOL BLOWER, MEDIUM SPEED
L34	SOLENOID, COMPRESSOR 1
RT58	SENSOR, REFRIGERANT LEAK DETECTION
R55	RESISTOR, VFD LOADING, A96
S4	SWITCH, LIMIT HI PRESS COMP 1
S7	SWITCH, LIMIT HI PRESS COMP 2
S11	SWITCH, LOW PRESS, LOW AMBIENT KIT
S16	SWITCH, HIGH PRESS, HIGH AMBIENT
S48	SWITCH, DISCONNECT
S84	SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 2
S87	SWITCH, LOW PRESSURE, COMP 1
S88	SWITCH, LOW PRESSURE, COMP 2
S149	SWITCH, OVERFLOW
T1	TRANSFORMER, CONTROL
TB13	TERMINAL STRIP, POWER DISTRIBUTION
T18	TRANSFORMER- CMC1 &CMC2

J/P	JACK/PLUG DESCRIPTION
2	JACK, HEAT
35	TEST
36	OD FAN POWER EXTENSION
137	TEST
246	POWER TO VFD
247	VFD TO MTR
248	VFD CONTROL

DENOTES OPTIONAL COMPONENTS

LINE VOLTAGE FIELD INSTALLED

1. NOTE - FOR USE WITH COPPER CONDUCTORS ONLY REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE.
2. J2 IS FIELD INSTALLED FOR E-HEAT KIT. CONNECT WIRES MARKED J2-1/R TO A194-P10-R, J2-2/W1 TO A194-P3-W1, J2-7/W2 TO A194-P3-W2. WIRES MARKED J2-5/K3-A J2-6/K3-A, TO BE INSTALLED IN-LINE WITH GREEN K3-A WIRE MARKED J2-GND TO BE CONNECTED TO GND TAB ON CONTROL PANEL.
3. S48 OR CB10 MAY BE USED
4. S11/S84 USED IN LOW AMBIENT KIT. S11 / S11-84 ARE INCLUDED IN LOW AMBIENT CONNECT HARNESS BETWEEN K10-A AND S11/S84
5. MITSUBISHI VFD
6. RESTORE JUMPER WIRING IF PREVIOUSLY USED
7. 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.

2026/06

WIRING DIAGRAM

538551-02

06/26

COOLING-MSAV-VFD

ZCD,ZGD-120,150

SECTION B

REV 2

Supersedes 538305-01

New Form No. 538551-02