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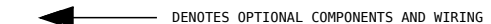
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The diagram shows the A55 Main Control Unit with its internal components and connections to two auxiliary cards. The A55 unit has a central dashed box labeled 'A55' and 'MAIN CTRL'. It is connected to the A133 AUX CARD on the left and the A178 AUX CARD on the right. The A133 card has a vertical stack of components labeled 457 through 462. The A178 card has a vertical stack of components labeled 398 through 403. The A55 unit has a horizontal row of components labeled 384 through 394, and a vertical stack of components labeled 441 through 462. The A55 unit also has a horizontal row of components labeled 298 through 304. The A55 unit is connected to the A133 card via a dashed line from component 441 to component 457. The A55 unit is connected to the A178 card via a dashed line from component 441 to component 398. The A55 unit is also connected to the A178 card via a dashed line from component 441 to component 401.

	NOTES
1	FOR REMOTE LOCATION OF RT6, ADD THE EXTENSION HARNESS
2	MOVE WIRES FROM 240 TO 208 TAP ON TRANSFORMER FOR 208 VOLT APPLICATIONS
3	HP REPEAT ENLIGHT ONLY

KEY LIST		
LOCATION		COMPONENT DESCRIPTION
FF07/KK01	A96	CONTROL INVERTER, BLOWER
DD/EE09	B1, B2	COMPRESSOR 1, 2
FF08	B3	MOTOR, BLOWER
GG02/06	B4, B5	MOTOR, OUTDOOR FAN 1, 2
GG10	B10	MOTOR, EXHAUST FAN 1
GG09	C6	CAPACITOR, EXHAUST FAN 1
FF09	F10	FUSE, COMPONENT
DD/EE10	HR1, HR2	HEATER, COMPRESSOR 1, 2
DD/EE05,06,07,08	K1, K2	CONTACTOR, COMPRESSOR 1, 2
FF05,GG08	K65	RELAY, EXHAUST FAN 1
CC05	L1, L2	VALVE, REVERSING 1,2
CC08	L14	VALVE, SOLENOID, REHEAT COIL
GG05	L34	SOLENOID, TWO STAGE, COMPRESSOR 1
FF01	RT6	SENSOR, A55 DISCHARGE (IMC)
CC01	RT17	SENSOR, OUTSIDE AIR TEMP
FF02	RT46, RT47	SENSOR, SAT. SUCT TEMP., COMP 1, 2
CC02	RT48, RT49	SENSOR, SAT. LIQUID TEMP., COMP 1, 2
JJ02	RT58	SENSOR 1, REFRIGERANT LEAK DETECTION
BB01/02	S4, S7	LIMIT, HI PRESS. SWITCH, COMP 1, 2
BB02/03	S87, S88	SWITCH, LOW PRESS., COMP. 1, 2
AA05	T1	TRANSFORMER, CONTROL
BB05	T18	TRANSFORMER, CONTACTOR
AA07	TB13	TERMINAL STRIP, POWER DISTRIBUTION

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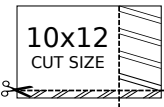
HEATING	COOLING	COOLING	ACCS	ACCS
SECTION A	SECTION B	SECTION B3/5	SECTION C	SECTION D

Product: LDT/LHT B Box Belt Drive - Y VOLT 078-120
Heat Pump Diagram with Higher SCCR

Voltage: 208-230V/3~/60Hz (Y)
Supersedes: XXXXXX-XX Form No: 538673-01 Rev: 0

WIRING DIAGRAM FLOW

REV	EC NO.	DATE	BY	APVD	REVISION NOTE
---	CN-014742	10-01-2026	FEP	FY	ORIGINATED AT PD&R CARROLLTON, TX





538673-01

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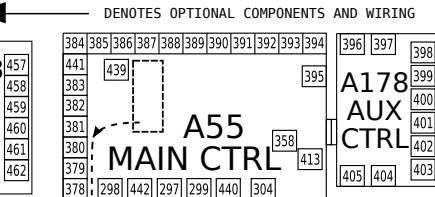
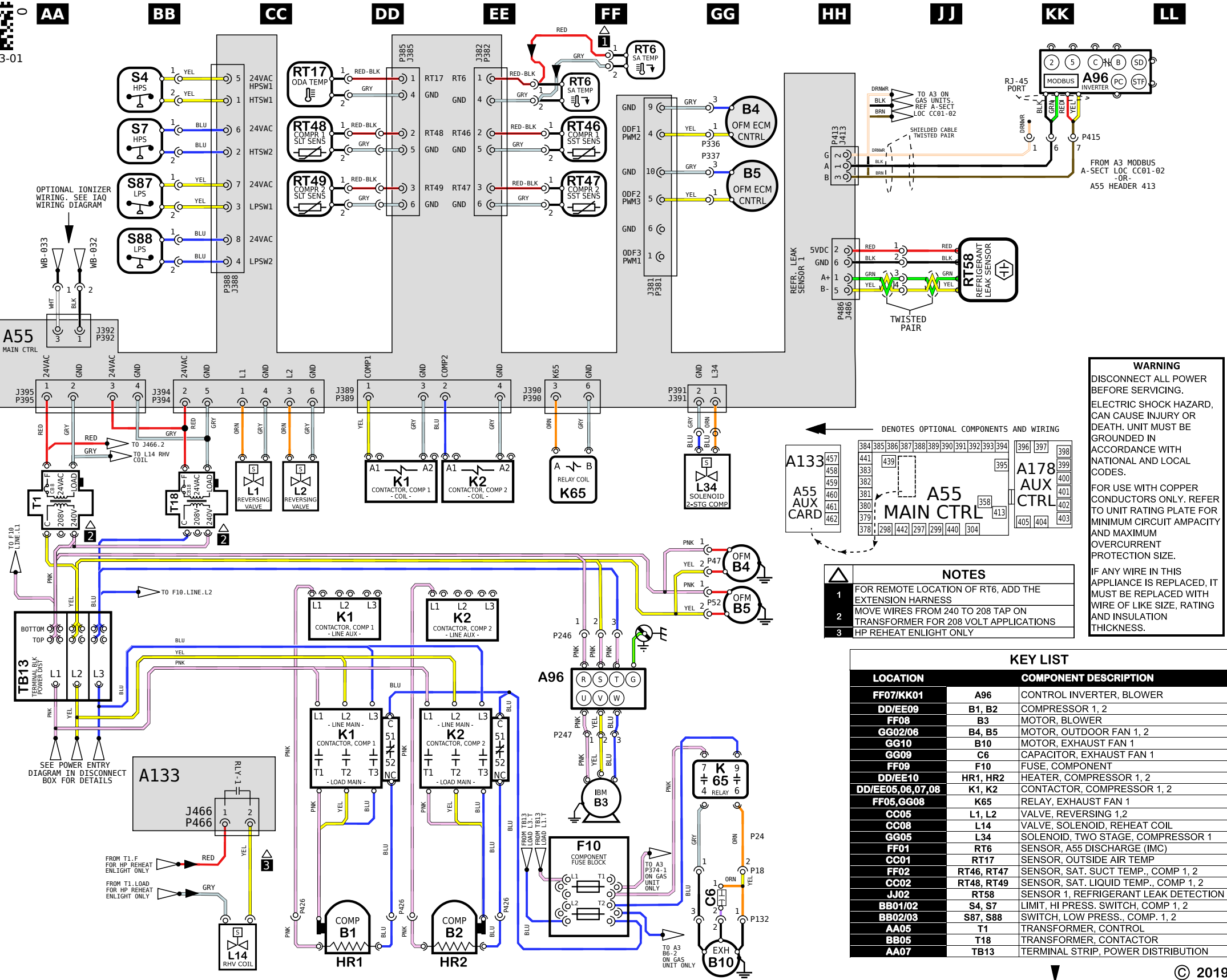
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WARNING
DISCONNECT ALL POWER BEFORE SERVICING.
ELECTRIC SHOCK HAZARD. CAN CAUSE INJURY OR DEATH. UNIT MUST BE GROUNDED IN ACCORDANCE WITH NATIONAL AND LOCAL CODES.
FOR USE WITH COPPER CONDUCTORS ONLY. REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE.
IF ANY WIRE IN THIS APPLIANCE IS REPLACED, IT MUST BE REPLACED WITH WIRE OF LIKE SIZE, RATING AND INSULATION THICKNESS.

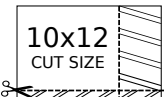
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Supersedes: XXXXXX-XX Form No: 538673-01 Rev: 0

WIRING
DIAGRAM
FLOW

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SECTION A	SECTION B	SECTION B3/5	SECTION C	SECTION D



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