



538365-02

01

02

03

04

05

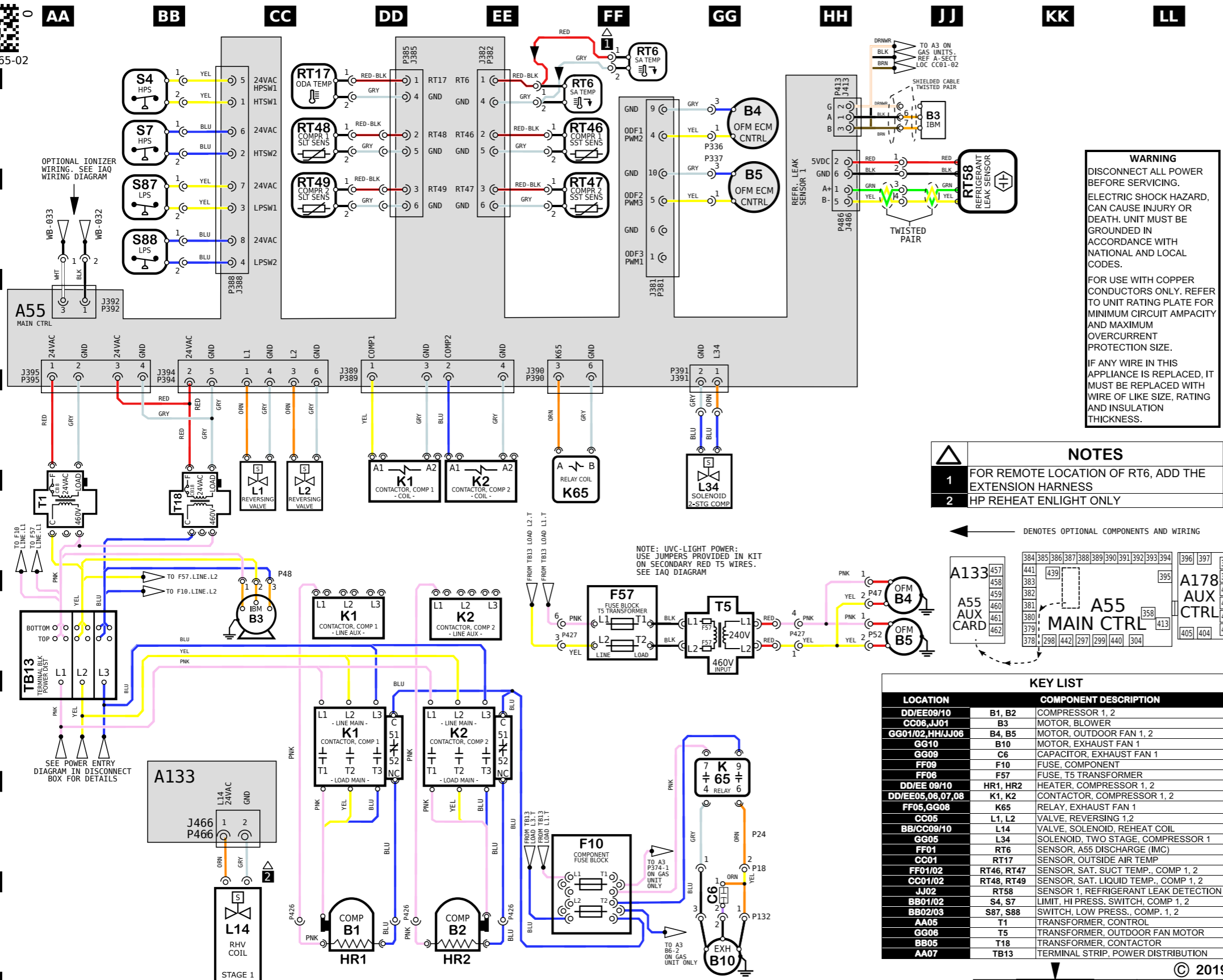
06

07

08

09

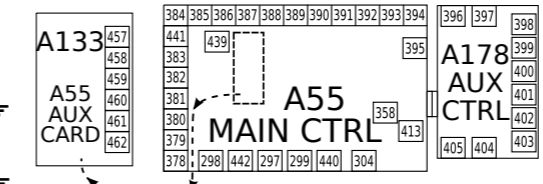
10



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.

- NOTES**
- FOR REMOTE LOCATION OF RT6, ADD THE EXTENSION HARNESS
 - HP REHEAT ENLIGHT ONLY

← DENOTES OPTIONAL COMPONENTS AND WIRING

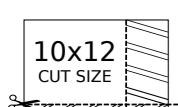
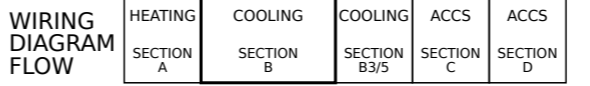


LOCATION	COMPONENT DESCRIPTION
DD/EE09/10	B1, B2 COMPRESSOR 1, 2
CC06, JJ01	B3 MOTOR, BLOWER
GG01/02, HH/JJ06	B4, B5 MOTOR, OUTDOOR FAN 1, 2
GG10	B10 MOTOR, EXHAUST FAN 1
GG09	C6 CAPACITOR, EXHAUST FAN 1
FF09	F10 FUSE, COMPONENT
FF06	F57 FUSE, T5 TRANSFORMER
DD/EE 09/10	HR1, HR2 HEATER, COMPRESSOR 1, 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
BB/CC09/10	L14 VALVE, SOLENOID, REHEAT COIL
GG05	L34 SOLENOID, TWO STAGE, COMPRESSOR 1
FF01	RT6 SENSOR, A55 DISCHARGE (IMC)
CC01	RT17 SENSOR, OUTSIDE AIR TEMP
FF01/02	RT46, RT47 SENSOR, SAT. SUCT TEMP., COMP 1, 2
CC01/02	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
GG06	T5 TRANSFORMER, OUTDOOR FAN MOTOR
BB05	T18 TRANSFORMER, CONTACTOR
AA07	TB13 TERMINAL STRIP, POWER DISTRIBUTION

© 2019

Product: LHT, LDT B Box - G & J VOLT 078-120 Heat Pump Diagram with Higher SCCR

Voltage: 460V/3~ /60Hz (G) Supersedes: 538365-01 Form No: 538365-02 Rev: 0



REV	EC NO.	DATE	BY	APVD	REVISION NOTE
---	CN-013678	01-21-2026	FEP	MCF	ORIGINATED AT PD&R CARROLLTON, TX



538365-02

01

02

03

04

05

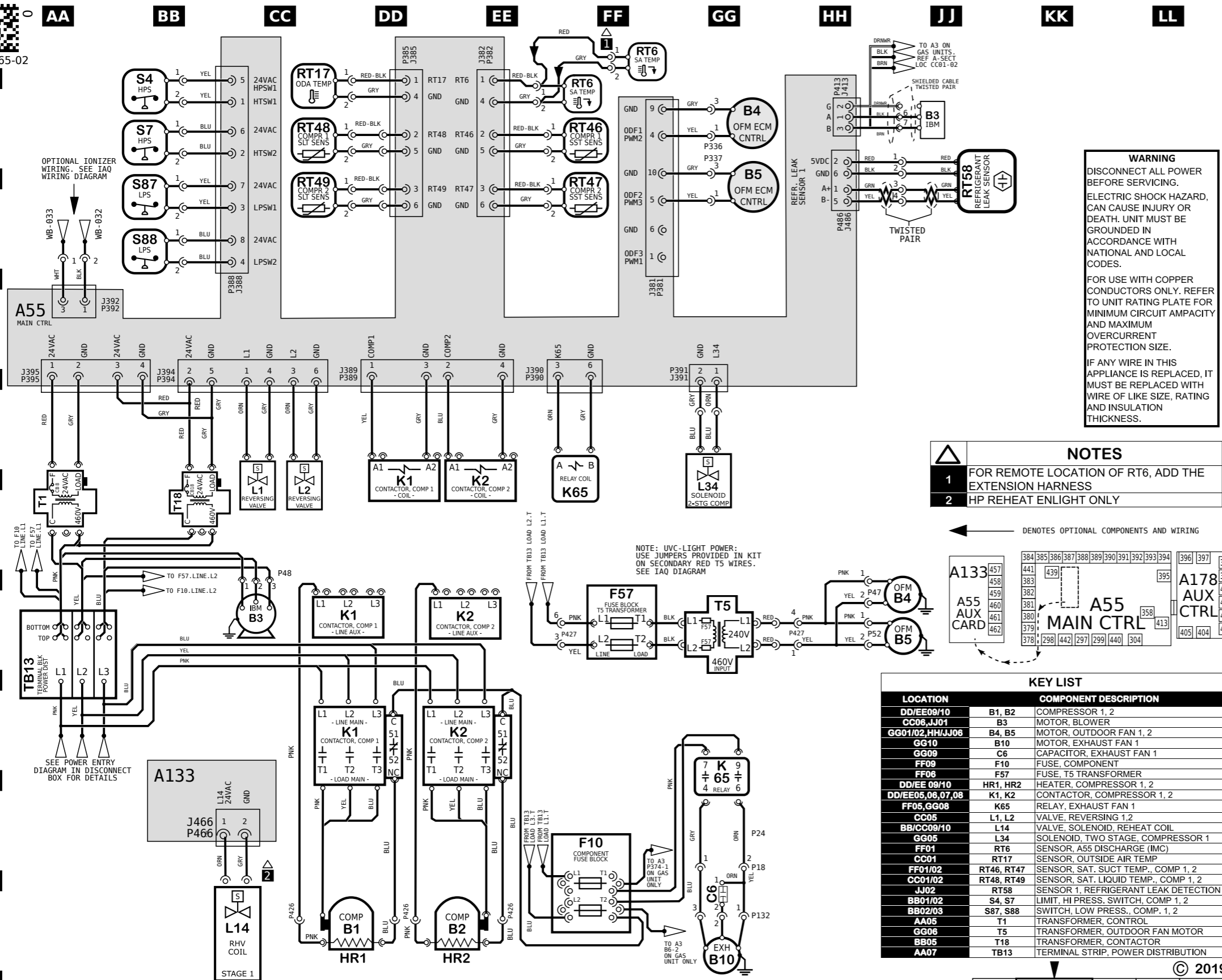
06

07

08

09

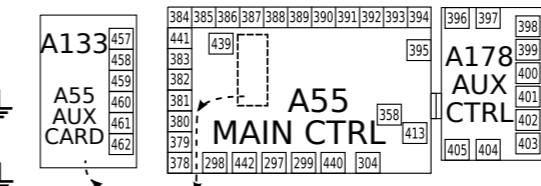
10



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.

NOTES
 1 FOR REMOTE LOCATION OF RT6, ADD THE EXTENSION HARNESS
 2 HP REHEAT ENLIGHT ONLY

← DENOTES OPTIONAL COMPONENTS AND WIRING

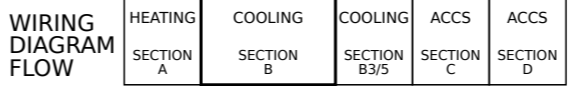


LOCATION	COMPONENT DESCRIPTION
DD/EE09/10	B1, B2 COMPRESSOR 1, 2
CC06, JJ01	B3 MOTOR, BLOWER
GG01/02, HH/JJ06	B4, B5 MOTOR, OUTDOOR FAN 1, 2
GG10	B10 MOTOR, EXHAUST FAN 1
GG09	C6 CAPACITOR, EXHAUST FAN 1
FF09	F10 FUSE, COMPONENT
FF06	F57 FUSE, T5 TRANSFORMER
DD/EE 09/10	HR1, HR2 HEATER, COMPRESSOR 1, 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
BB/CC09/10	L14 VALVE, SOLENOID, REHEAT COIL
GG05	L34 SOLENOID, TWO STAGE, COMPRESSOR 1
FF01	RT6 SENSOR, A55 DISCHARGE (IMC)
CC01	RT17 SENSOR, OUTSIDE AIR TEMP
FF01/02	RT46, RT47 SENSOR, SAT. SUCT TEMP., COMP 1, 2
CC01/02	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
GG06	T5 TRANSFORMER, OUTDOOR FAN MOTOR
BB05	T18 TRANSFORMER, CONTACTOR
AA07	TB13 TERMINAL STRIP, POWER DISTRIBUTION

© 2019

Product: LHT, LDT B Box - G & J VOLT 078-120
 Heat Pump Diagram with Higher SCCR

Voltage: 460V/3~/60Hz (G)
 Supersedes: 538365-01 Form No: 538365-02 Rev: 0



REV	EC NO.	DATE	BY	APVD	REVISION NOTE
---	CN-013678	01-21-2026	FEP	MCF	ORIGINATED AT PD&R CARROLLTON, TX