



538654-01

01

02

03

04

05

06

07

08

09

10

AA

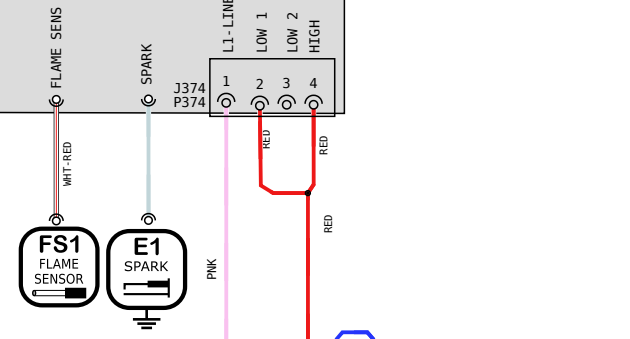
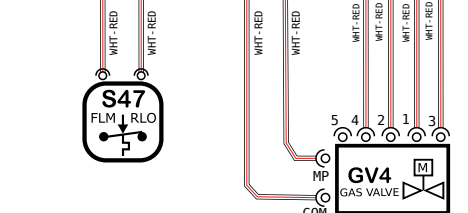
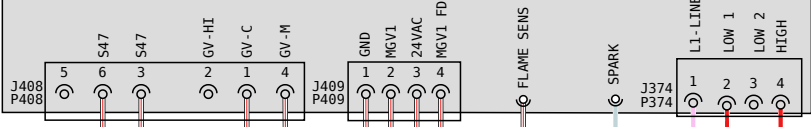
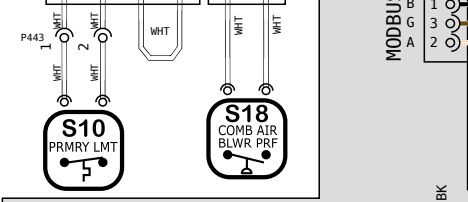
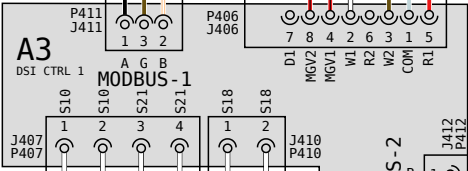
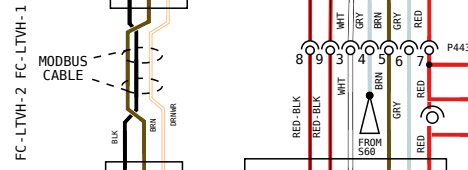
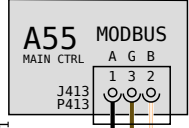
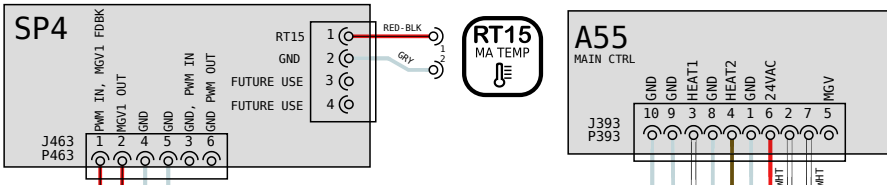
BB

CC

DD

EE

FF

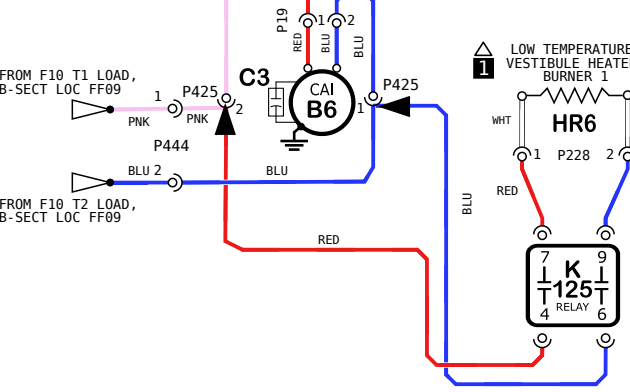


KEY LIST		
LOCATION	COMPONENT	DESCRIPTION
AA03/AA04	A3	CONTROL BOARD, DSI BOARD
AA02	A55	CONTROL BOARD, MAIN
DD04	B3	MOTOR, BLOWER
EE08	B6	MOTOR, COMBUSTION AIR IND., BURNER
DD08	C3	CAPACITOR, CAI MOTOR
DD07	E1	IGNITOR, SPARK BURNER
CC07	FS1	SENSOR, FLAME, BURNER
CC07	GV4	VALVE, GAS, MODULATING 1
FF08	HR6	HEATER, -50 C LOW TEMP VEST. BURNER
FF05	K125	RELAY, LOW TEMP VEST HEATER, BURNER
FF09	K125	RELAY, LOW TEMP VEST HEATER, BURNER
DD01	RT15	SENSOR, MIXED AIR
AA05	S10	LIMIT, PRIMARY, BURNER
BB05	S18	SWITCH, COMB AIR BLWR PRF, BURNER
AA07	S47	SWITCH, FLAME ROLLOUT, BURNER
EE/FF03	S59	TSTAT, OPEN -20F, CLOSE 10F, BURNER
FF03	S60	TSTAT, OPEN 20F, CLOSE -10F, BURNER
FF04	S61	TSTAT, OPEN 50F, CLOSE 20F, BURNER

▲ DENOTES OPTIONAL COMPONENTS AND WIRING

NOTES

1 -50C LOW TEMPERATURE VESTIBULE HEATER - OPTIONAL



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

WIRING DIAGRAM FLOW

© 2019

Model: LG*/LD* Series RTU - Mod Gas Heat
 130k, 180k, 240k BtuH
 Voltage: 208/240/3/60(Y), 460/3/60(G)
 Supersedes: XXXXX-XX Form No: 538654-01 Rev: 0

7x10 CUT SIZE

REV	EC NO.	DATE	BY	APVD	REVISION NOTE
---	CN-013678	10-09-2025	FEP	MCF	ORIGINATED AT PD&R CARROLLTON, TX



538654-01

AA

BB

CC

DD

EE

FF

01

02

03

04

05

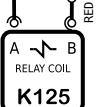
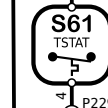
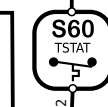
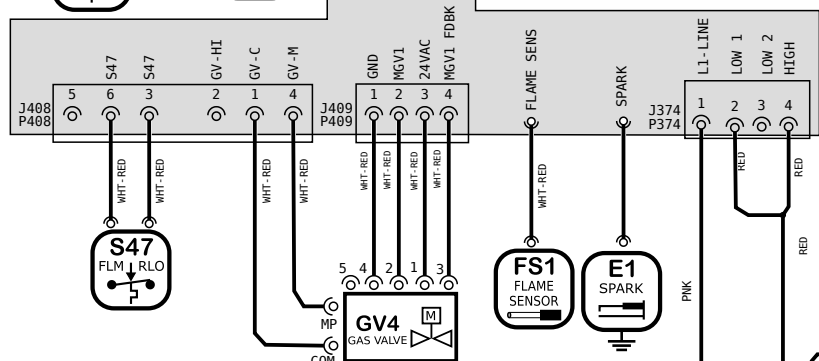
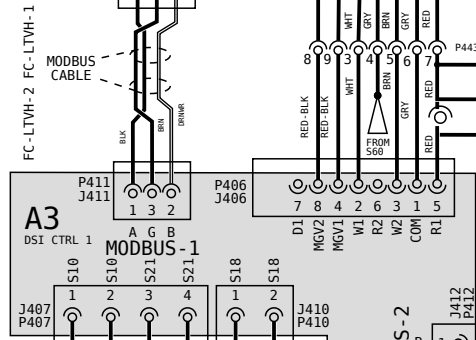
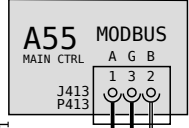
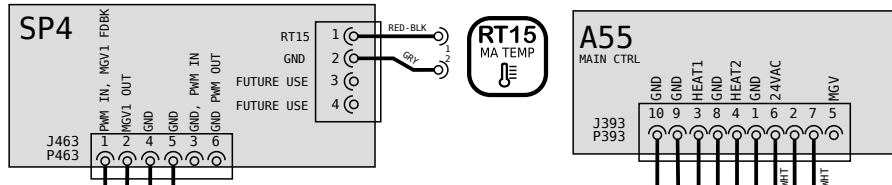
06

07

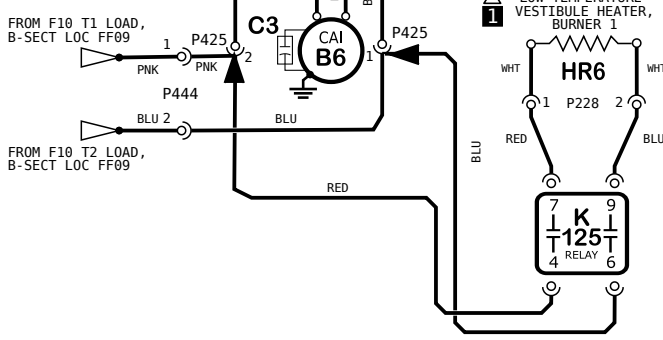
08

09

10



KEY LIST		
LOCATION	COMPONENT	DESCRIPTION
AA03/AA04	A3	CONTROL BOARD, DSI BOARD
AA02	A55	CONTROL BOARD, MAIN
DD04	B3	MOTOR, BLOWER
EE08	B6	MOTOR, COMBUSTION AIR IND., BURNER
DD08	C3	CAPACITOR, CAI MOTOR
DD07	E1	IGNITOR, SPARK BURNER
CC07	FS1	SENSOR, FLAME, BURNER
CC07	GV4	VALVE, GAS, MODULATING 1
FF08	HR6	HEATER, -50 C LOW TEMP VEST. BURNER
FF05	K125	RELAY, LOW TEMP VEST. HEATER, BURNER
FF09	K125	RELAY, LOW TEMP VEST HEATER, BURNER
DD01	RT15	SENSOR, MIXED AIR
AA05	S10	LIMIT, PRIMARY, BURNER
BB05	S18	SWITCH, COMB AIR BLWR PRF, BURNER
AA07	S47	SWITCH, FLAME ROLLOUT, BURNER
EE/FF03	S59	TSTAT, OPEN -20F, CLOSE 10F, BURNER
FF03	S60	TSTAT, OPEN 20F, CLOSE -10F, BURNER
FF04	S61	TSTAT, OPEN 50F, CLOSE 20F, BURNER

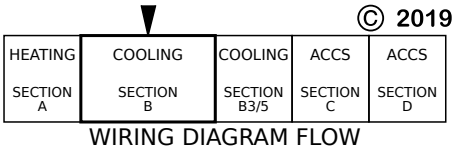


▲ DENOTES OPTIONAL COMPONENTS AND WIRING

NOTES

1 -50C LOW TEMPERATURE VESTIBULE HEATER - OPTIONAL

Model: LG*/LD* Series RTU - Mod Gas Heat
 130k, 180k, 240k BtuH
 Voltage: 208/240/3/60(Y), 460/3/60(G)
 Supersedes: XXXXX-XX Form No: 538654-01 Rev: 0



7x10
CUT
SIZE

REV	EC NO.	DATE	BY	APVD	REVISION NOTE
---	CN-013678	10-09-2025	FEP	MCF	ORIGINATED AT PD&R CARROLLTON, TX