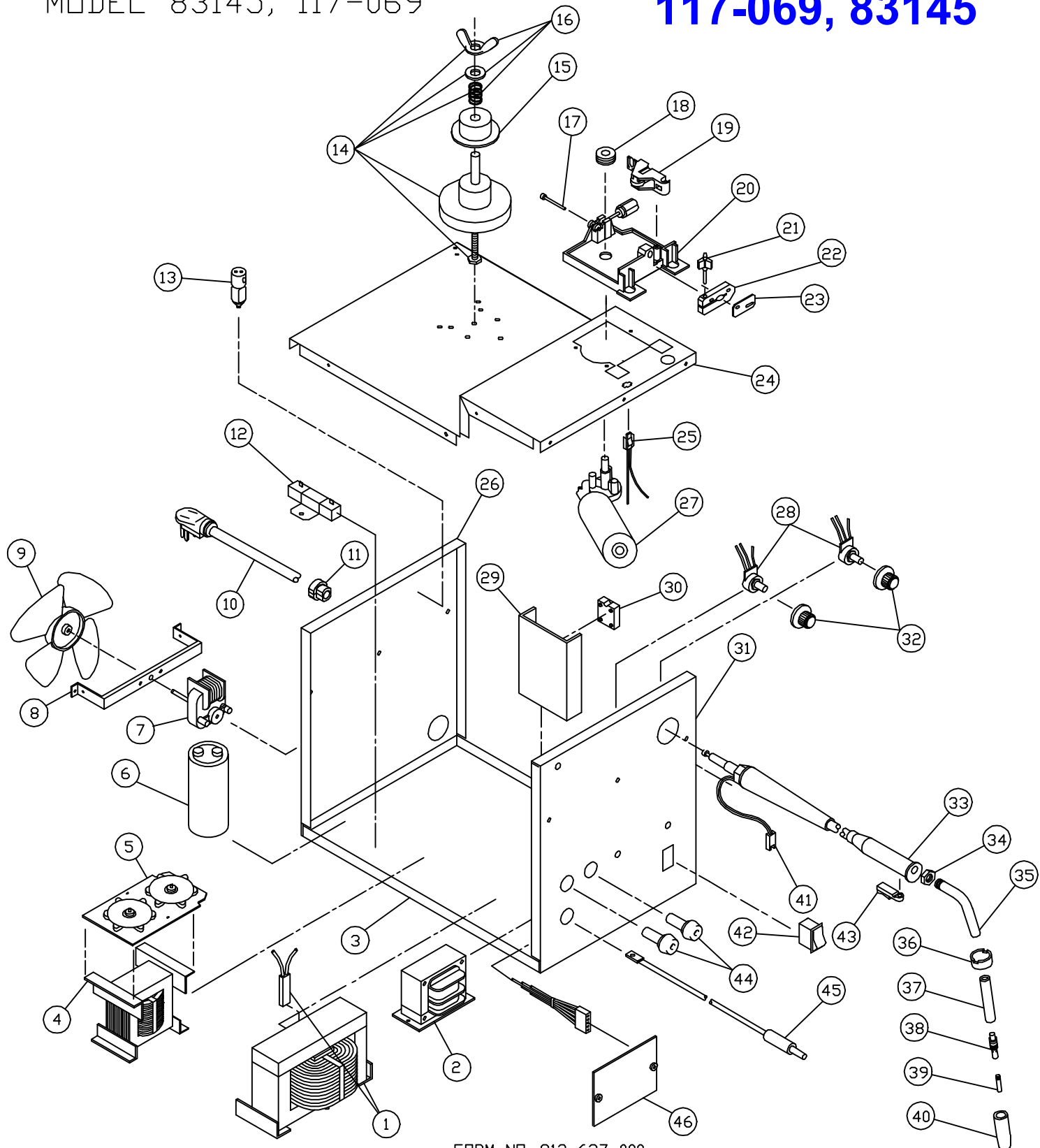


117-069, 83145



FORM NO. 812-637-000
REV. A

117-069, 83145, 145 Amp Mig

Item	Lincoln Stock #	Customer #	Description
1		880-324-888	Main Transformer w/Thermal
		880-326-000	Thermal breaker only
2		880-041-888	Control Transformer, 230Vac to 24Vac, 6 amp
3	NLA	410-755-000	Base
4		880-323-888	Reactor coil
5		880-327-666	Dual sided rectifier
6		213-041-000	Capacitor, 98,000mf, 40 Vdc
7	216-086-666	216-086-666	Fan Motor
8	NLA	411-072-666	Fan bracket
9		316-009-666	Fan blade
10		248-282-666	Power cord
11		541-019-000	Bushing
12		860-523-666	Bleeder resistor
13	246-086-666	246-212-666	Gas solenoid, 24Vdc
14	312-066-666	312-066-666	Bolt, spindle, spring, washer & wing nut
15	312-110-666	312-110-666	Spool adapter
16	Included in # 14	069-043-666	Spring, washer & wing nut
17	Included in # 20	239-208-000	Inlet guide tube
18	310-122-500	4323, 541-278-666	0.024/0.030/0.035 drive roller
	541-276-666	4347, 310-154-000	0.045 drive roller
19	Included in # 20	312-107-000	Tension arm only
20	880-130-666	880-130-666	Drive base with arm
21		246-326-000	Knob
22	412-465-666	412-465-666	Gun connector block
23		412-464-666	Copper jumper
24	NLA	410-699-010	Drive deck
25		880-227-666	Gun wiring harness
26	NLA	410-757-010	Back panel

Made from 2-15-95 (F450339) to 2-13-97 (H089575) (12,538)

Model	Primary Input	Input Plug	Duty Cycle at Rated Output
117-069	230V, 20a	50A	30%

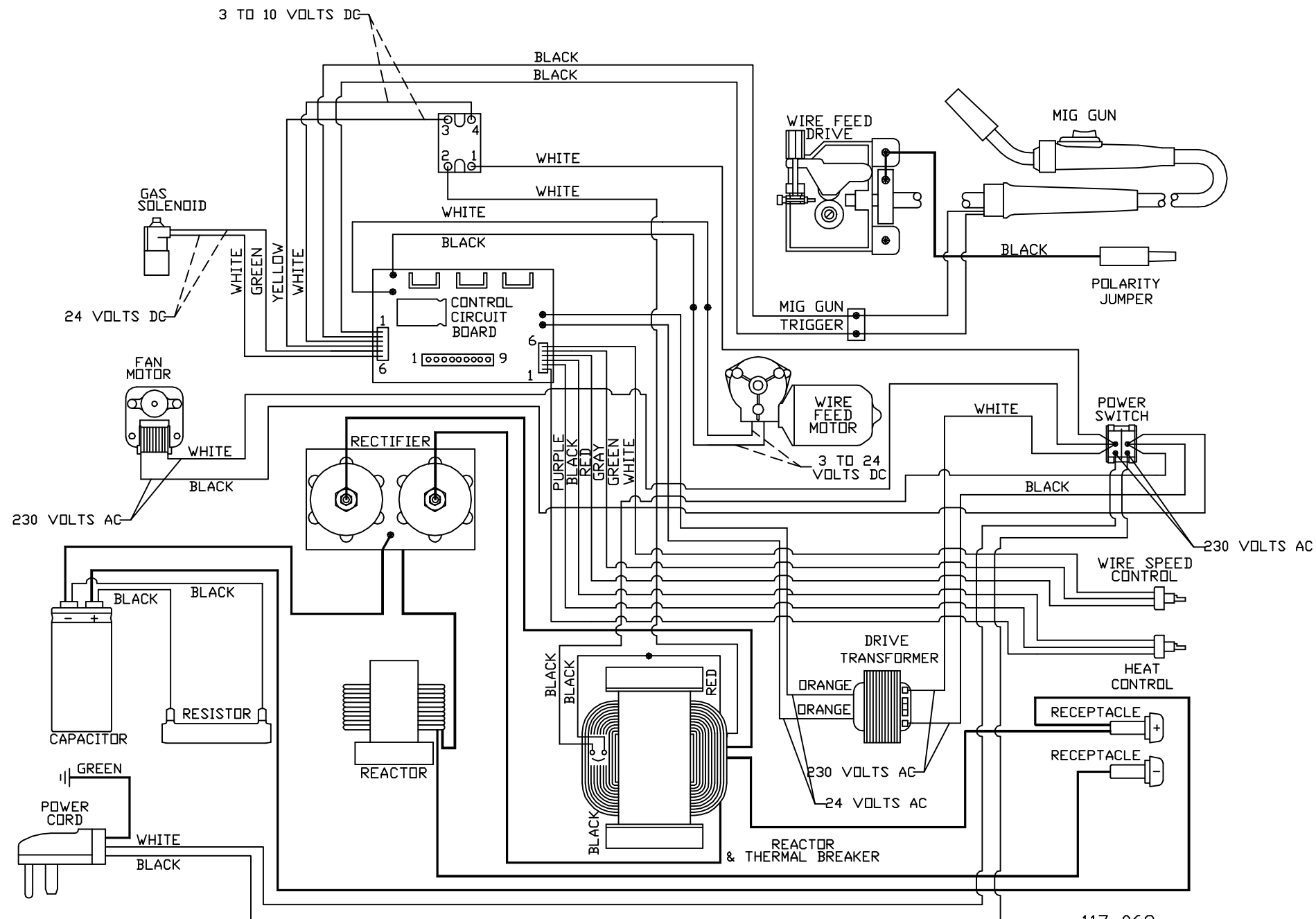
Item	Lincoln Stock #	Customer #	Description
27	216-089-666	216-089-666	Drive Motor w/gearbox
28	880-052-666	880-052-666	Heat/Wire speed harness w/ pots
29	NLA	412-134-100	Heatsink
30	216-055-666	216-055-666	Triac Relay, 40 amp, D2440
31		410-807-070	Front panel
32	246-041-666	246-140-666	Knob
33	238-155-000	4320	10' mig gun less tip & nozzle
34	S19580	334-220-000	Nut
35	334-227-000	334-227-000	Gooseneck
36		334-219-000	Handle cap
37	Included with # 35	334-217-000	Insulation
38	334-228-000	334-228-000	Gas diffuser
39	KP11-25, KH710	43090, 334-159-300, KP2039-1B1, M15522	0.025 Contact Tips
	KP11-30, KH711	43100, 334-160-300, KP2039-2B1, M15523	0.030 Contact Tips
	KP11-35, KH712	43110, 334-161-300, KP2039-3B1, M15524	0.035 Contact Tips
40	KP21T-50	43480, 334-203-300, KP1942-1, M15578	Steel welding nozzle
	KP21T-62	43300, 334-210-300, KP1942-3	Aluminum welding nozzle
	KP21-62-FAS	43290, 334-211-300, KP1956-1, M15577	Spot welding nozzle
	KP1939-1, KH726		Flux Core Nozzle
41		860-744-000	Trigger harness
42		246-325-666	Switch
43	334-221-000	334-221-000	Trigger
44	312-045-666	312-045-666	Receptacle
45		238-320-666	Polarity jumper
46	880-113-666	880-113-666	Circuit board

Not Shown

50	334-303-001	334-286-666	Gas regulator
51	059-245-666		Gas hose

5/14/2009

Rated Output	Voltage Settings	Agency Listing	Max Output
130 amps	Infinite	CSA	160 amps



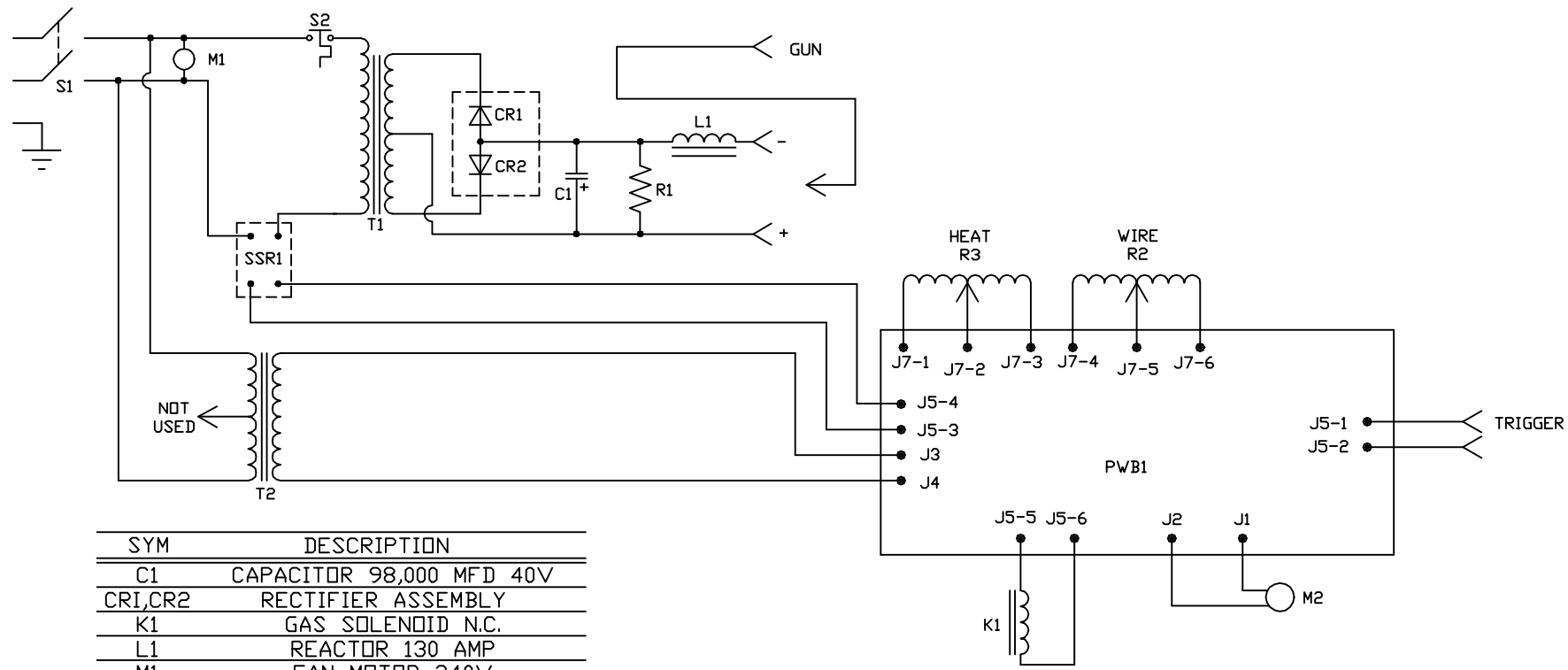
NOTES:

- : VOLTAGES ARE PRESENT ONLY WHEN TRIGGER IS PULLED.
- +: VOLTAGES ARE PRESENT WHEN MAIN POWER IS ON.

117-069, 83145

117-069
117-067
MODELS

230VAC 60HZ
SINGLE PHASE



SYM	DESCRIPTION
C1	CAPACITOR 98,000 MFD 40V
CR1,CR2	RECTIFIER ASSEMBLY
K1	GAS SOLENOID N.C.
L1	REACTOR 130 AMP
M1	FAN MOTOR 240V
M2	WIRE FEED DRIVE MOTOR
PWB1	CONTROL CIRCUIT BOARD
R1	RESISTOR 25 OHM 50W
R2	POTENTIOMETER WIRE SPEED
R3	POTENTIOMETER HEAT CONTROL
S1	POWER SWITCH
S2	THERMAL BREAKER
SSR1	SOLID STATE RELAY 40A
T1	MAIN TRANSFORMER
T2	CONTROL TRANSFORMER

117-069, 83145

	A
117-069	
117-067	
MODELS	