

SQUARE WAVE® 400 ADV

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CODE: 50679	6



Spare Parts

SP50679 REV00
09/2024

ASSEMBLY PAGE NAME			Machine Assembly	Internal Assembly	Rear Assembly	Front Assembly		
CODE NO.:	K NO.:	FIGURE NO.:	A	B	C	D		
50679	K14412-1	SQUARE WAVE® 400 ADV	1	1	1	1		

*items highlighted in bold are recommended spare parts

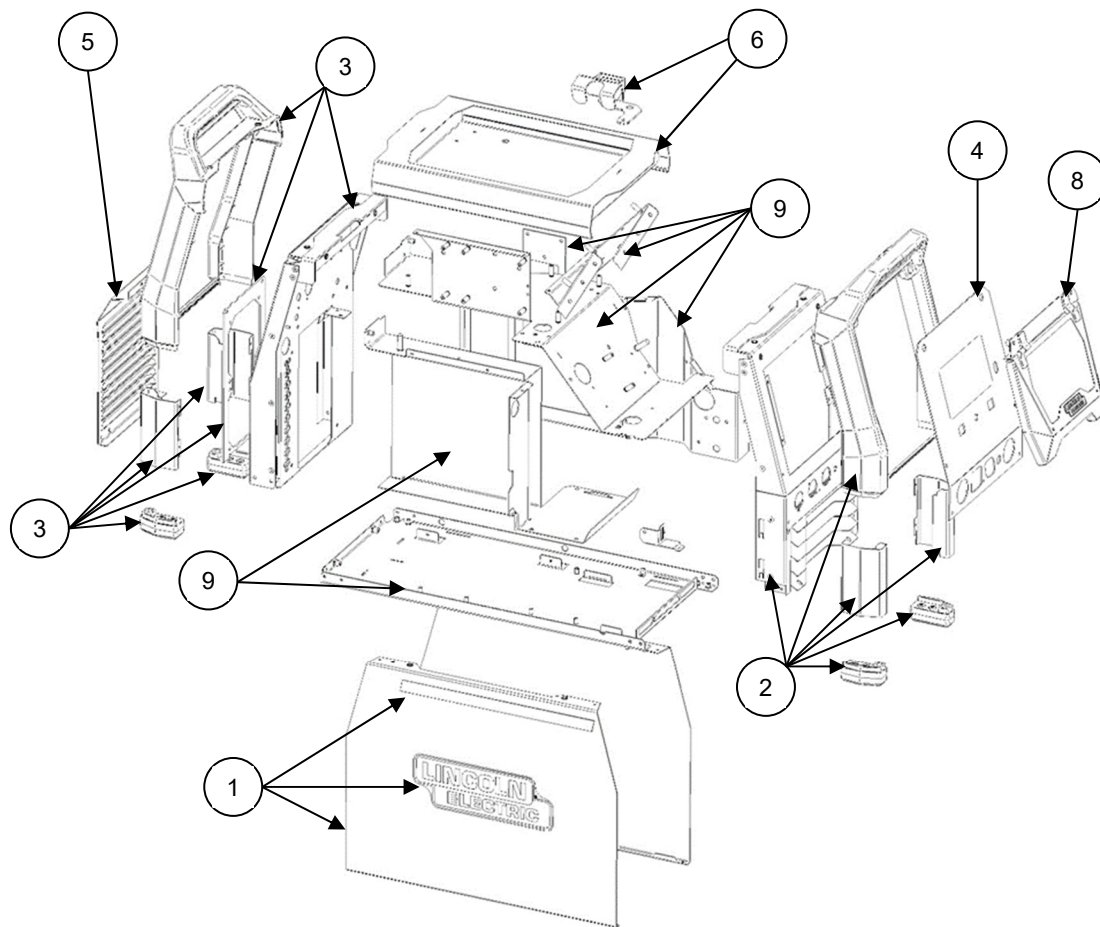


Figure A: Machine Assembly

Item	Description	Part Number	QTY	1	2	3	4	5	6	7
1	SIDE PANEL KIT includes:	T-8040-237-1R	1	X						
	SIDE PANEL		1	X						
	LINCOLN ELECTRIC SIDE LABEL		1	X						
	SQUARE WAVE 400 ADV® LABEL		1	X						
2	FRONT PANEL KIT includes:	T-8040-238-1R	1	X						
	FRONT HANDLE CASE COMPLETE		1	X						
	FRONT PANEL ASSEMBLY		1	X						
	RIGHT COVER		1	X						
	FOOT		1	X						

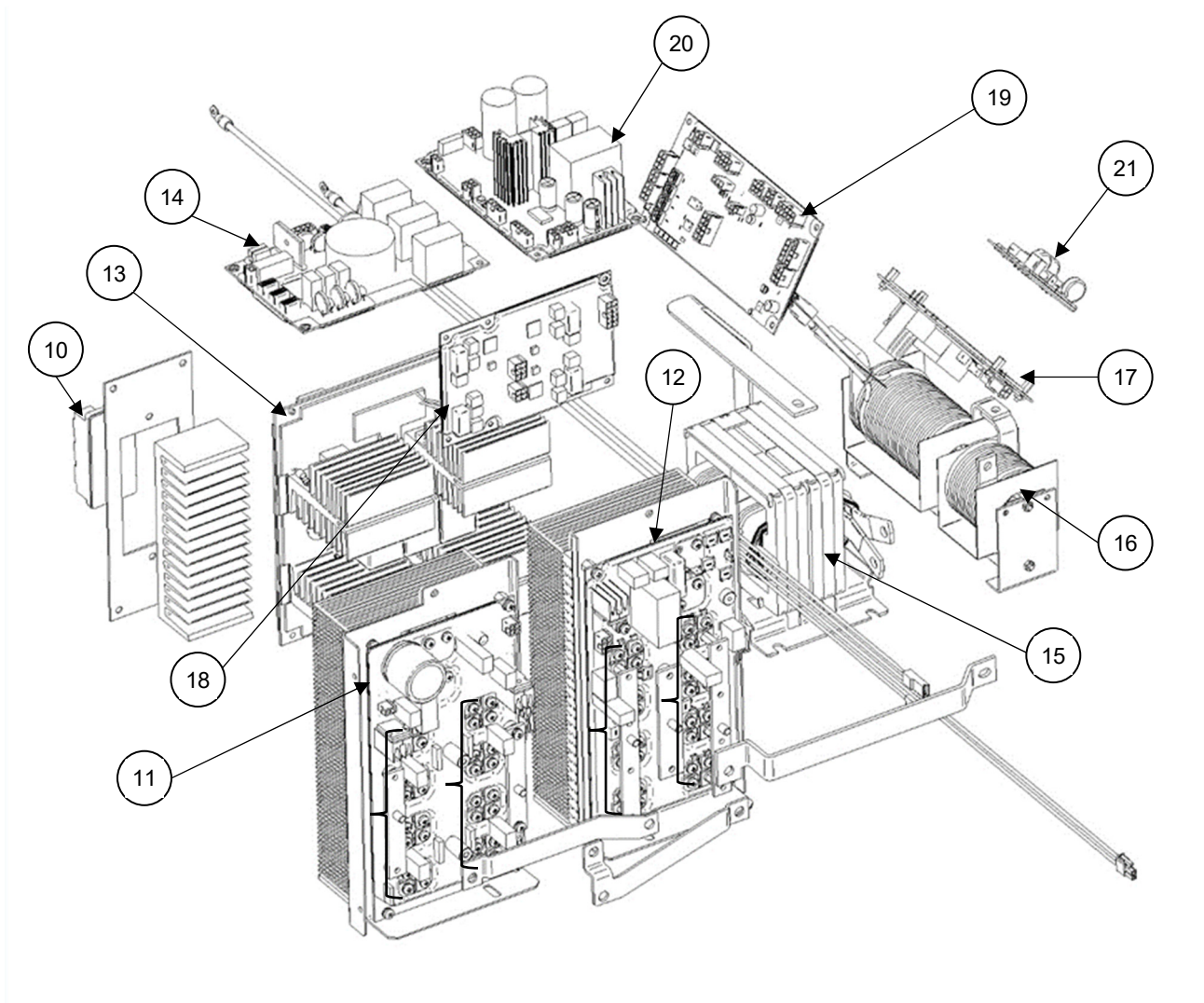


Figure B: Internal Assembly

Item	Description	Part Number	QTY	1	2	3	4	5	6	7
10	INPUT RECTIFIER V1	W4100021R	1	X						
11	SECONDARY INVERTER	R-8040-521-1R	1	X						
12	AC INVERTER	R-8040-522-1R	1	X						
13	UNIVERSAL SiC INVERTER - 400A	Y092-4R	1	X						
	<i>Y092-5R and Y092-6R are substitutes for Y092-4R</i>			X						
14	INPUT EMI FILTER BOARD	Y074-2R	1	X						
15	TRANSFORMER	R-4034-188-1R	1	X						
16	HF TRANSFORMER WITH CHOKE	R-0000-357-1R	1	X						
17	HF BOARD	W05X1615-2R	1	X						
18	AC DRIVER BOARD	R-6042-142-1R	1	X						
19	CONTROL BOARD	R-6042-136-1R	1	X						
20	AUXILIARY BOARD	R-6042-137-1R	1	X						
21	EMC SECONDARY BOARD	R-6042-140-1R	1	X						

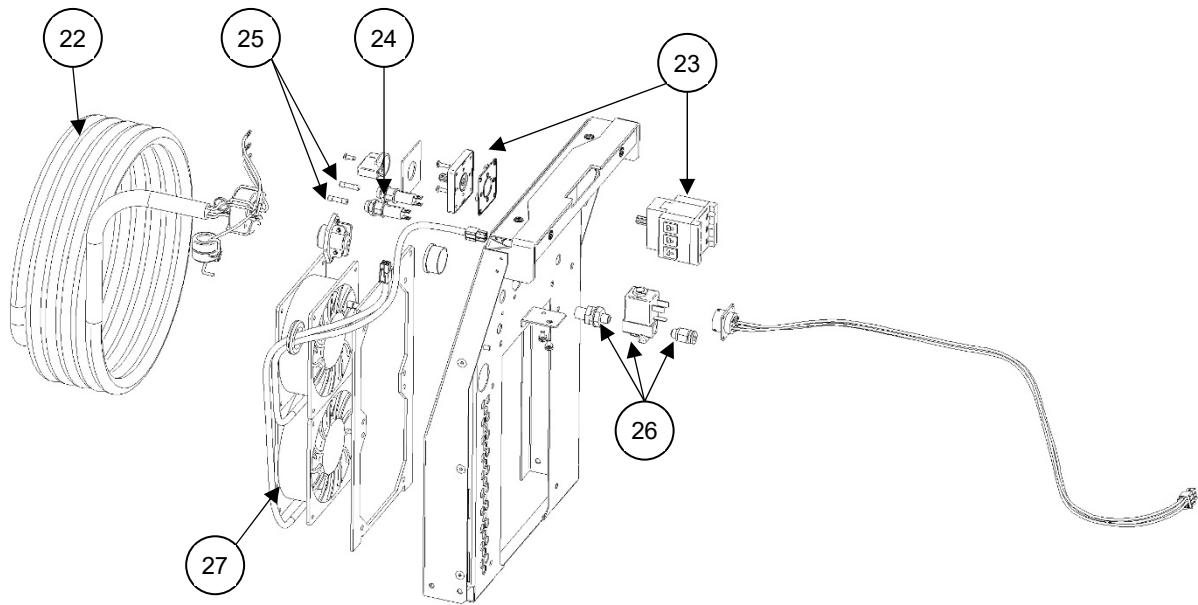


Figure A Rear Assembly

Item	Description	Part Number	QTY	1	2	3	4	5	6	7
22	POWER LEAD	R-5041-657-1R	1	X						
23	SWITCH 3Ph 40A AND FLACEPLATE	W7511709R	1	X						
24	FUSE HOLDER IP67	1158-632-034R	2	X						
25	FUSE T5X20 2A 500VAC	1158-660-110R	2	X						
26	GAS CONNECTION KIT includes:	T-8040-203-1R	1	X						
	GAS SOLENOID 24VDC 50L/MIN		1	X						
	ELECTROVALVE BRACKET		1	X						
	BULKHEAD 1/4-1/8+NUT 1/4		1	X						
	HOSE CARRIER PU STRAIGHT		2	X						
	BRASS QUICK CONNECT COUPLING		1	X						
27	FAN	R-8040-433-1R	2	X						

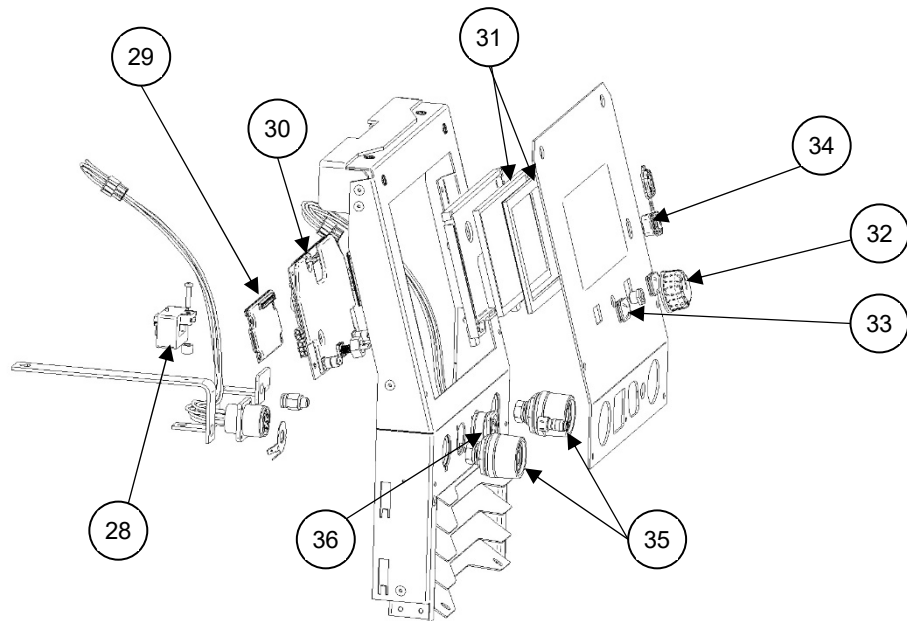


Figure D Front Assembly

Item	Description	Part Number	QTY	1	2	3	4	5	6	7
28	CURRENT SENSOR 4V 300A +/-15V	1157-769-157R	1	X						
29	SoM BOARD	R-6042-109-2R	1	X						
30	TFT FRONT PANEL BOARD	R-6042-141-1R	1	X						
31	DISPLAY KIT includes:	T-8040-241-1R	1	X						
	7" SCREEN		1	X						
	DISPLAY FOAM		1	X						
32	KNOB, 1.5"	9SM22778-2	1	X						
33	BUTTON COVER	9SS23055	2	X						
34	USB CAP	R-0010-804-1R	1	X						
35	SOCKET X2, X3	90000595PR	2	X						
36	PROTECTION COVER PLUG AMP	1158-641-128R	1	X						

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