

SPEEDTEC 405S, 405SP, 505S & 505SP

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Spare Parts

SP50518/SP50519/SP50521/SP50522/SP50474/SP50475 REV08

01/2020

ASSEMBLY PAGE NAME			Machine Assembly	Machine Assembly	Machine Assembly	Miscellaneous Items		
CODE NO.:	K NO.:	FIGURE NO.:	A	B	C	-		
50518	K14116-1	SPEEDTEC 505S	1	1	1	1		
50519	K14116-2	SPEEDTEC 505SP	2	2	2	2		
50521	K14117-1	SPEEDTEC 405S	3	3	3	3		
50522	K14117-2	SPEEDTEC 405SP	4	4	4	4		
50474	K14117-6	SPEEDTEC 405SP CCC	5	5	5	5		
50475	K14116-6	SPEEDTEC 505SP CCC	6	6	6	6		

7	STICKER	R-0010-507-1R	1	X	X	X	X	X	X	
8	SOCKET X1	C-2986-001-3R	1	X	X	X	X	-	-	
	SOCKET X1	90000595PR	1	-	-	-	-	X	X	
9	SOCKET X2	R-8040-349-1R	1	X	X	X	X	-	-	
	SOCKET X2	90000595PR	1	-	-	-	-	X	X	
10	CORNER CAP	W95X1147R	4	X	X	X	X	X	X	
11	COVER	R-1019-369-1/08R	1	X	X	X	X	X	X	
12	STICKER	R-0010-506-1R	1	X	X	X	X	X	X	
13	BASE PANEL	R-3019-300-1/08R	1	X	X	X	X	X	X	
14	COVER	R-3019-304-1/02R	1	X	X	X	X	X	X	
15	REAR PANEL	R-3019-303-1/08R	1	X	X	X	X	X	X	
16	SHELF	R-3019-301-1/08R	1	X	X	X	X	X	X	
17	RUBBER CABLE BUSH	1361-599-197R	2	X	X	X	X	X	X	
18	RUBBER CABLE BUSH	1373-182-002R	3	X	X	X	X	X	X	
19	COVER KIT includes:	T-8040-058-1R	1	X	X	X	X	X	X	
	COVER			X	X	X	X			
	SIDE PANEL			X	X	X	X			
	SIDE PANEL			X	X	X				
20	STICKER (ELECTRICAL SCHEMATIC)	R-0010-509-1R	1	X	X	X	X	X	X	
21	HANDLES	R-0010-292-1R	2	X	X	X	X	X	X	
22	STICKER	2719-107-728R	1	X	X	X	X	X	X	
23	STICKER	R-0010-332-1R	1	X	X	X	X	X	X	
23A	STICKER	9SL8064-1	1	-	-	-	-	X	X	
24	STICKER	R-0010-508-1R	1	X	X	X	X	X	X	
25	SOCKET	1158-641-003R	1	X	X	X	X	X	X	
26	SOCKET	1158-641-014R	1	X	X	X	X	X	X	
27	NUT	1158-641-015R	1	X	X	X	X	X	X	
28	CABLE RELEIF	1361-599-674R	1	X	X	X	X	X	X	
29	POWER LEAD (5m)	D-5578-171-2R	1	X	X	X	X	-	-	
30	FUSE SOCKET	1158-632-032R	4	X	X	X	X	X	X	
31	FUSE CAP	1158-632-033R	4	X	X	X	X	X	X	
32	SLOW-BLOW FUZE F3	1158-660-012R	1	X	X	X	X	X	X	
33	SLOW-BLOW FUZE F4	1158-660-008R	1	X	X	X	X	X	X	
34	SLOW-BLOW FUZE F1, F2	1158-660-010R	2	X	X	X	X	X	X	
35	WORK LEAD (3m)	K14033-1	1	X	X	X	X	X	X	

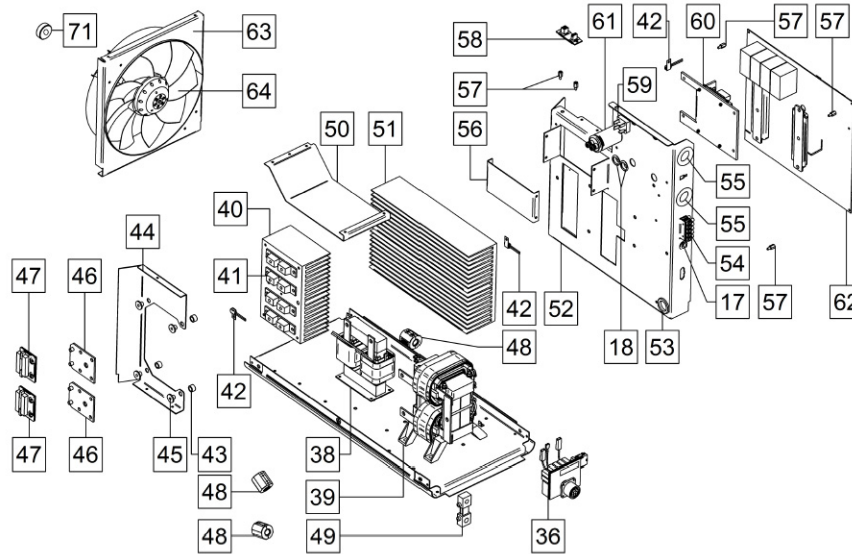


Figure B

Figure B: Machine Assembly

Item	Description	Part Number	QTY	1	2	3	4	5	6	7
36	P.C. BOARD (FILTER OUTPUT)	R-8040-339-1R	1	X	X	X	X	X	X	
37	NUT OF CONTROL RECEPTACLE	1158-641-128R	1	X	X	X	X	X	X	
38	CHOKE L1	R-4034-159-1R	1	X	X	X	X	X	X	
39	TRANSFORMER T1	R-4034-103-1R	1	X	X	X	X	X	X	
40	OUTPUT RECTIFIER HEATSINK	R-2013-120-2R	1	X	X	X	X	X	X	
41	DIODE MODULE ASSEMBLY	1156-113-314R	4	X	X	X	X	X	X	
42	TEMPERATURE SENSOR 80°C	1115-769-134R	3	X	X	X	X	X	X	
43	SLEEVES	1361-599-672R	4	X	X	X	X	X	X	
44	BRACKET	R-1012-554-1/08R	1	X	X	X	X	X	X	
45	SLEEVES	1361-599-671R	4	X	X	X	X	X	X	
46	SHORT-CIRCUITING SWITCH	R-3016-039-1R	2	X	X	X	X	X	X	
47	P.C. BOARDS	R-8040-341-1R	2	X	X	X	X	X	X	
48	FERRITE CORES	1158-290-010R	4	X	X	X	X	X	X	
49	SHUNT	R-2013-138-1R	1	X	X	X	X	X	X	
50	COVER	R-1019-417-1/08R	1	X	X	X	X	X	X	
51	HEAT SINK	R-2013-120-1R	1	-	-	X	X	X	-	
	HEAT SINK	R-2013-143-1R	1	X	X	-	-	-	X	
52	DIVIDER	R-3016-037-1R	1	X	X	X	X	X	X	
53	RUBBER CABLE BUSH	1361-599-198R	1	X	X	X	X	X	X	
54	TERMINAL BLOCK X7	1131-990-005R	5	X	X	X	X	X	X	
55	RUBBER CABLE BUSHES	1373-111-331R	2	X	X	X	X	X	X	
56	COVER	R-1012-621-1R	1	X	X	X	X	X	X	
57	SLEEVES	1361-599-200R	5	X	X	X	X	X	X	
58	P.C. BOARD	R-8040-340-1R	1	X	X	X	X	X	X	
59	RECTIFIER	1156-112-100R	1	X	X	X	X	X	X	
60	P.C. BOARD ASSEMBLY (40VDC BUS POWER SUPPLY)	R-8040-348-1R	1	X	X	X	X	X	X	
61	CAPACITOR C2	1158-125-329R	1	X	X	X	X	X	X	
62	P.C. BOARD (SWITCH BOARD)	R-8040-342-1R	1	X	-	-	-	-	-	
	P.C. BOARD (SWITCH BOARD)	R-8040-342-3R	1	-	X	-	-	-	X	

	P.C. BOARD (SWITCH BOARD)	R-8040-342-2R	1	-	-	X	-	-	-	
	P.C. BOARD (SWITCH BOARD)	R-8040-342-4R	1	-	-	-	X	X	-	
63	FAN SHROUD	R-3019-306-1/08R	1	X	X	X	X	X	X	
64	FAN	R-8040-223-2R	1	X	X	X	X	X	X	
71	FERRITE CORE	W5600005R	1	X	X	X	X	X	X	

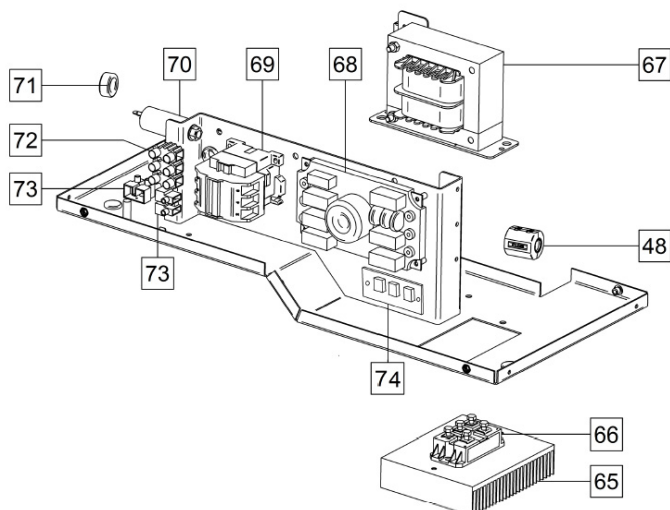


Figure C

Figure C: Machine Assembly

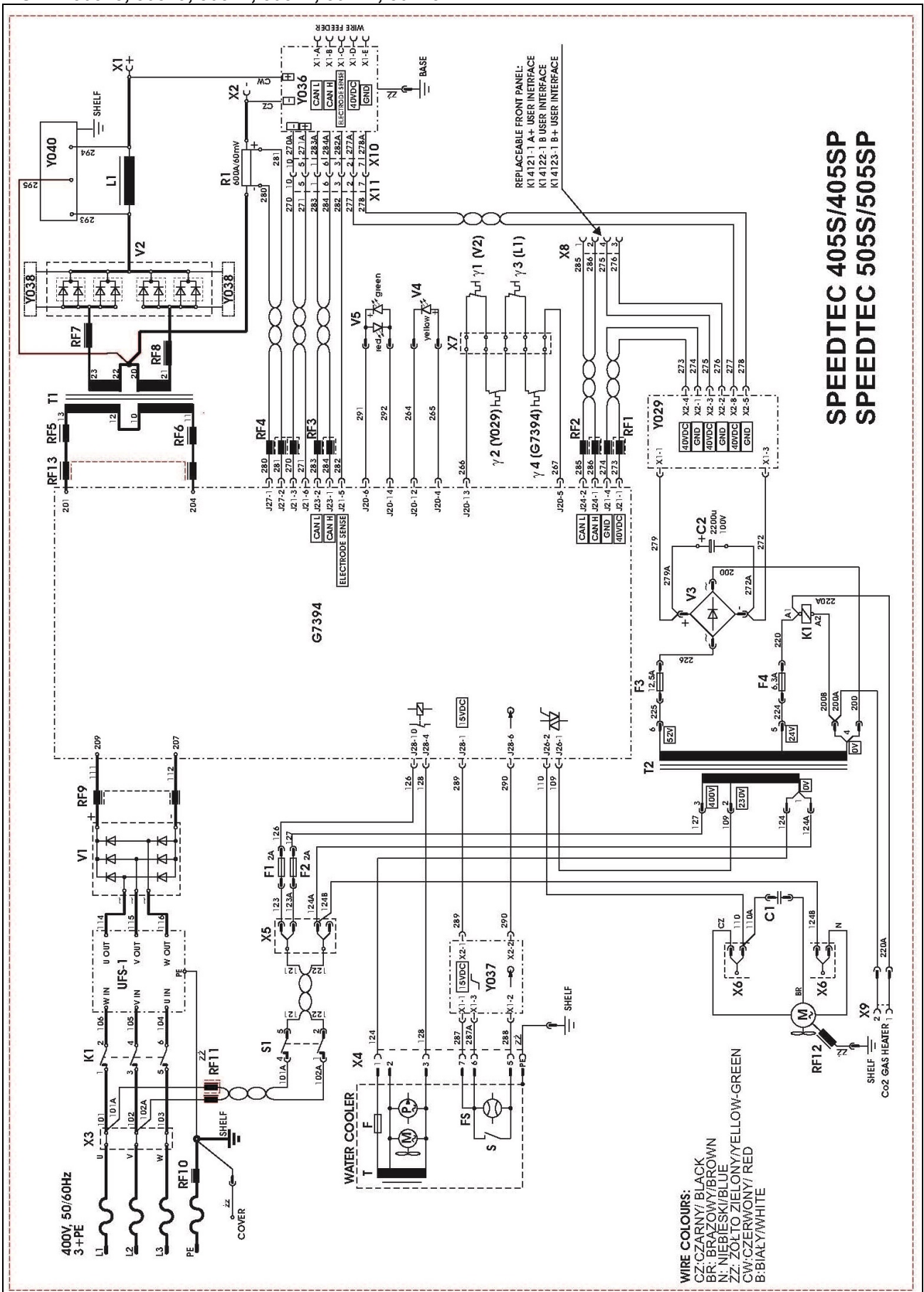
Item	Description	Part Number	QTY	1	2	3	4	5	6	7
65	INPUT RECTIFIER HEATSINK	R-2013-127-1R	1	X	X	X	X	X	X	
66	INPUT RECTIFIER V1	M15454-14	1	X	X	X	X	X	X	
67	TRANSFORMER T2	R-4034-160-1R	1	X	X	X	X	X	X	
68	EMC FILTER PC BOARD UFS-1	0918-432-105R	1	X	X	X	X	X	X	
69	CONTACTOR K1	1115-212-210R	1	X	X	X	X	X	X	
70	CAPACITOR C1	1158-121-046R	1	X	X	X	X	X	X	
71	FERRITE CORE	W5600005R	1	X	X	X	X	X	X	
72	TERMINAL BLOCK X3	1131-990-011R	3	X	X	X	X	X	X	
73	TERMINAL BLOCKS X5, X6	1131-990-022R	2	X	X	X	X	X	X	
74	PCB Y040	R-8040-361-1R	1	X	X	X	X	X	X	

Miscellaneous Items (not shown in figure A, B, C)

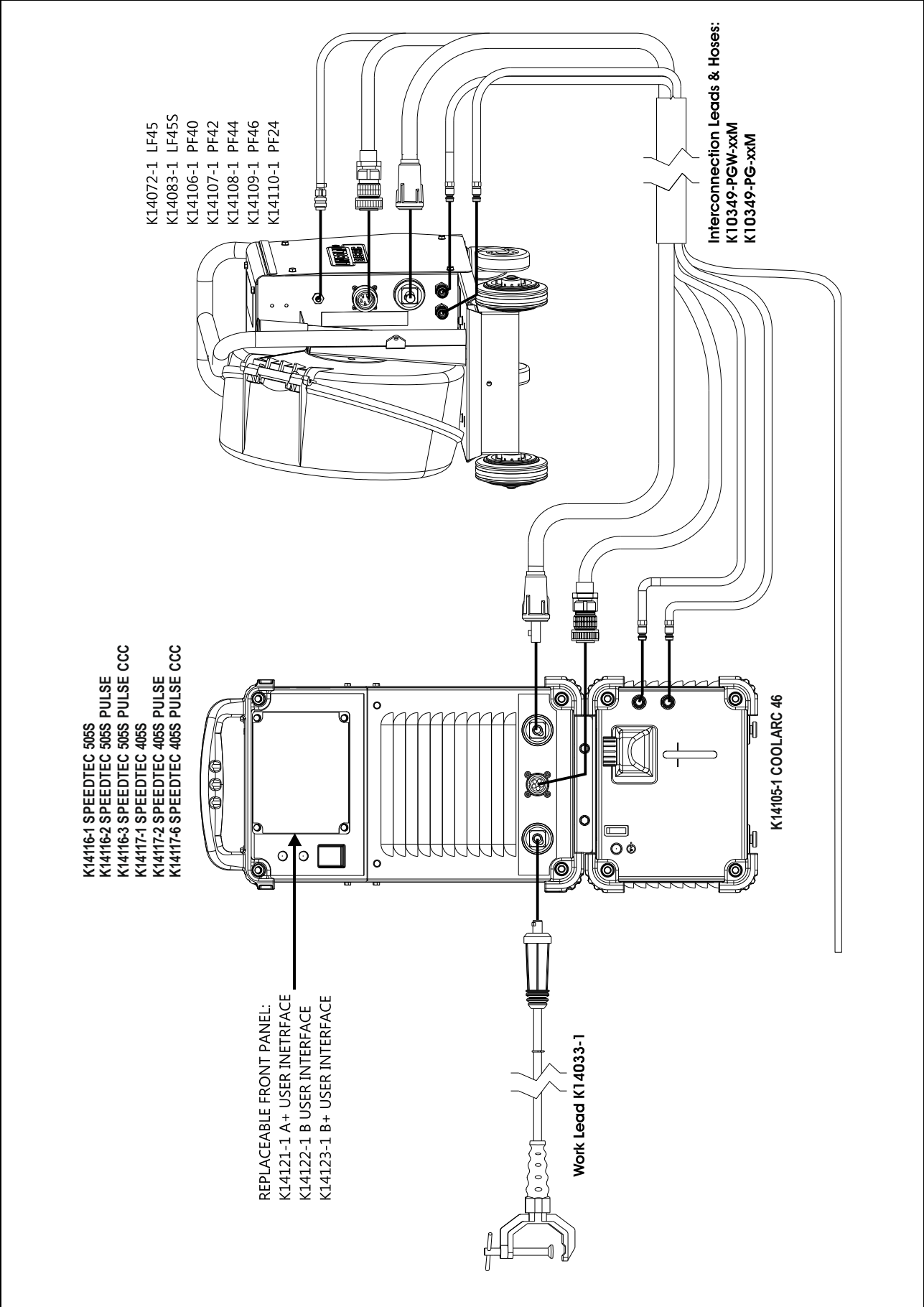
Item	Description	Part Number	QTY	1	2	3	4	5	6	7
75	WIRING HARNESS (PRIMARY A)	R-5041-299-1R	1	X	X	X	X	X	X	
	FERRITE CORE	W5600005R	1	X	X	X	X	X	X	
76	WIRING HARNESS (PRIMARY B)	R-5041-300-1R	1	X	X	X	X	X	X	
77	WIRING HARNESS (SECONDARY A)	R-5041-302-1R	1	X	X	X	X	X	X	
78	WIRING HARNESS (SECONDARY B)	R-5041-303-1R	1	X	X	X	X	X	X	
79	WIRING HARNESS (COOLER)	R-5041-301-1R	1	X	X	X	X	X	X	
80	CONDUCTORS (TRANSFORMER T1 – RECTIFIER V2)	R-5041-195-2R	2	X	X	X	X	X	X	
81	CONDUCTOR (CHOKE L1 – RECTIFIER V2)	R-5041-336-1R	1	X	X	X	X	X	X	
82	CONDUCTOR (CHOKE L1 – SOCKET X1)	R-5041-294-2R	1	X	X	X	X	X	X	
83	CONDUCTORS (TRANSFORMER T1 – SHUNT R1)	R-5041-336-2R	1	X	X	X	X	X	X	
84	WIRING HARNESS WITH GAS HEATER SOCKET	R-5041-141-1R	1	X	X	X	X	X	X	

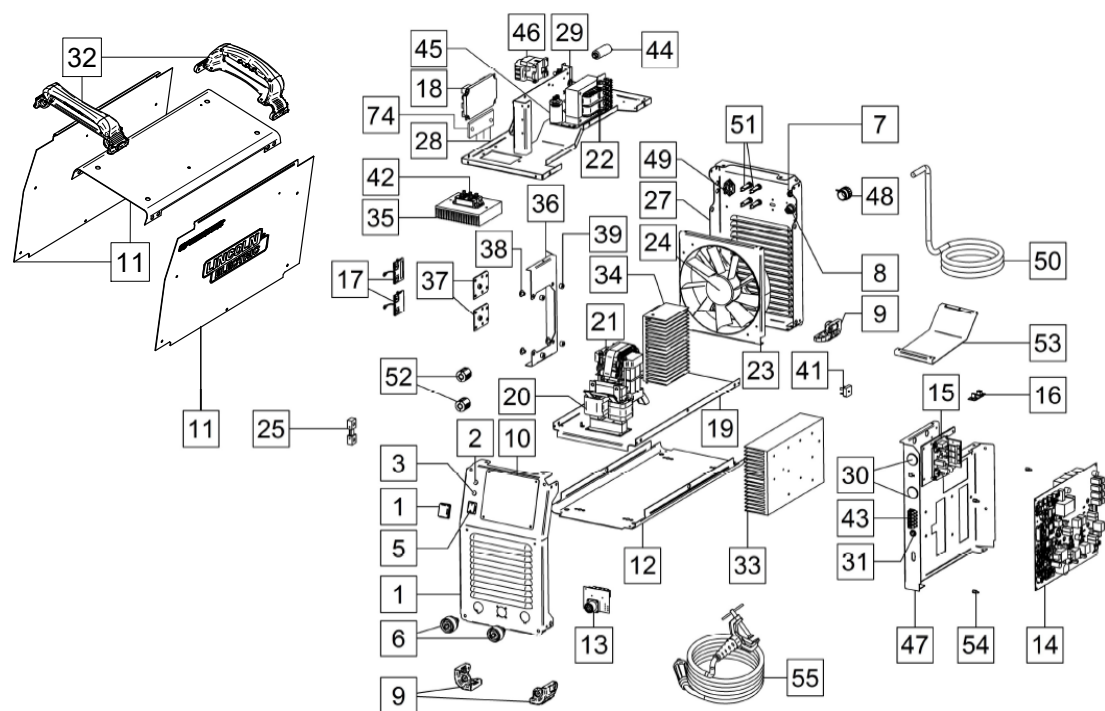
Electrical Schematic

CODE: 50518, 50519, 50521, 50522, 50474, 50475



Connection Diagram





		Recycle				ST				
		Fe	Al	Cu	Brass	Boards	Plastics	Liquid Cristal	External Electric Cables	Capacitors
Description	Ref.									
FRONT PANEL	1	X								
LED LAMPS	2, 3			X			X			
SWITCH	4	X			X		X			
BLACK FRAME SHIELD	5						X			
SOCKETS	6, 7, 8	X		X			X			
CORNER CAPS	9						X			
COVERS	10, 12, 53	X								
COVER	11		X							
P.C. BOARDS	13, 14, 15,16,17,18,74 17, 18					X				
BASE PANEL	19	X		X						
CHOKE	20									
TRANSFORMERS	21, 22									
FAN SHROUD	23	X								
FAN	24	X		X					X	
SHUNT	25			X						
REAR PANEL	27	X								
SHELF	28	X								
RUBBER CABLE BUSH	29, 30, 31						X			
HANDLES	32						X			
HEATSINKS	33, 34, 35		X							
BRACKET	36	X								
SHORT-CIRCUITING SWITCHES	37			X						
SLEEVES	38, 39, 54						X			
FERRITE CORES	40	X								
RECTIFIER	41, 42	X					X			
TERMINAL BLOCK	43	X		X			X			
CAPACITORS	44, 45									X
CONTACTOR	46	X		X			X			
DIVIDER	47		X							
NUT	48						X			
CABLE RELEIF	49						X			
POWER LEAD	50								X	
FUSE SOCKETS & CAPS	51	X					X			
FERRITE CORE	52	X								
WORK LEAD	55								X	