

POWERTEC® i450C ADVANCED

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CODE: 50603	7



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Spare Parts

SP50603 REV00
04/2022

ASSEMBLY PAGE NAME			Machine Assembly	Machine Assembly	Machine Assembly	Miscellaneous Items		
CODE NO.:	K NO.:	FIGURE NO.:	A	B	C	-		
50603	K14376-1	POWERTEC® i450C ADVANCED	1	1	1	1		

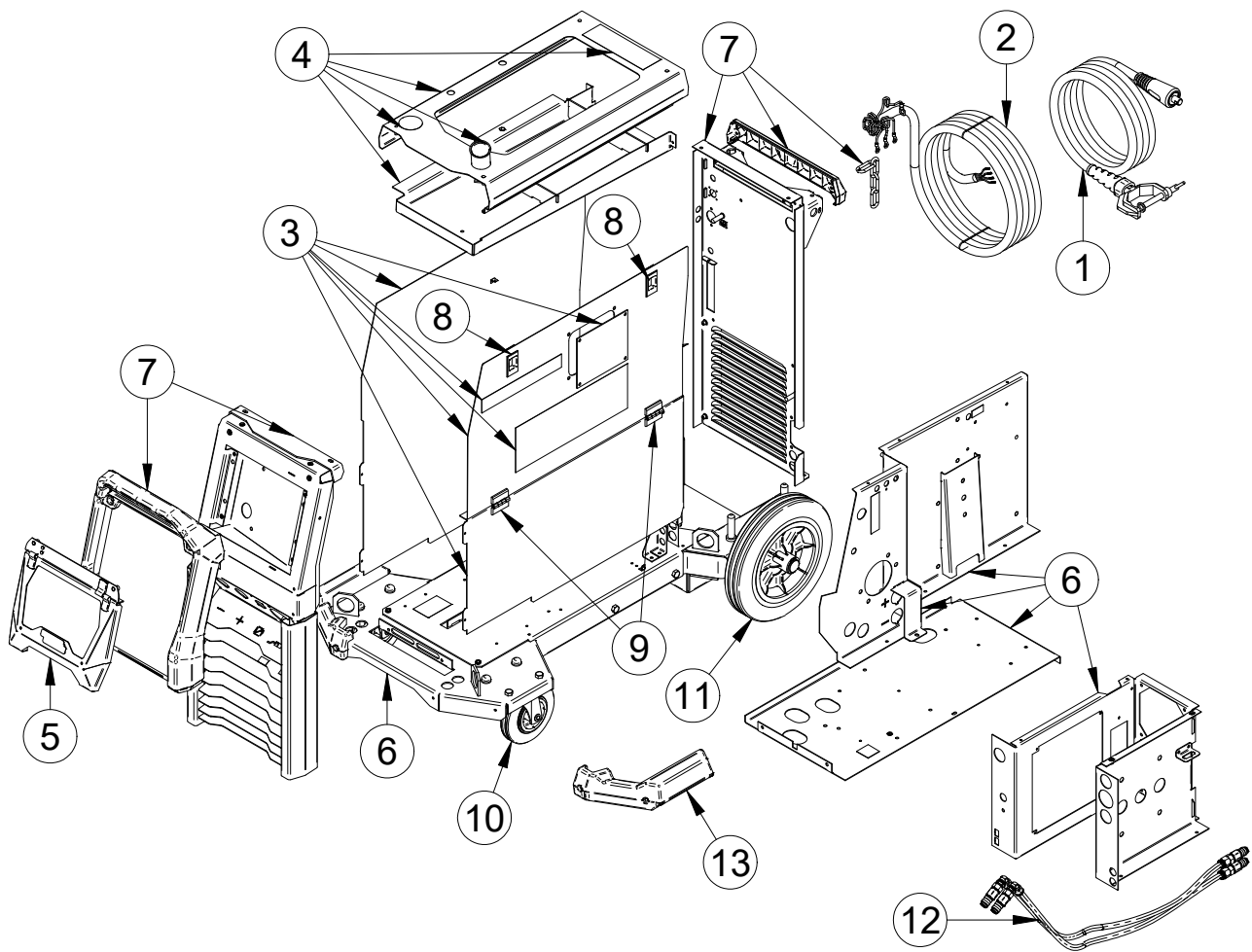


Figure A

Figure A: Machine Assembly

Item	Description	Part Number	QTY	1	2	3	4	5	6	7
1	WELDING CABLE	R-5041-024-2R	1	X						
2	MAIN INPUT CORD	R-5041-654-1R	1	X						
3	SIDE PANEL KIT includes:	T-8040-077-1R	1	X						
	LEFT SIDE PANEL		1	X						
	UPPER SIDE PANEL		1	X						
	BOTTOM SIDE PANEL		1	X						
	PLATE		1	X						
	LABEL - ROLLS COLOURS		1	X						
	LABEL - POWERTEC®		2	X						
	LABEL – LINCOLN ELECTRIC		2	X						
4	COVER KIT includes:	T-8040-162-1R	1	X						
	TOP PLATE		1	X						
	HOLDER		1	X						
	SHELF		1	X						
	LABEL		1	X						
	WARNING LABEL		1	X						
5	CONTROL PANEL COVER	T-8040-079-1R	1	X						
6	BASE, PARTITION, SHELF KIT includes:	T-8040-163-1R	1	X						
	BASE ASSEMBLY		1	X						
	PARTITION ASSEMBLY		1	X						
	USB LABEL		1	X						
	WARNING LABEL		1	X						
	SHELF		2	X						
	FUSE LABEL		2	X						
	BRACKET		1	X						
7	FRONT AND REAR PANEL KIT	T-8040-151-1R	1	X						
	FRONT PANEL ASSEMBLY		1	X						
	REAR PANEL ASSEMBLY		1	X						
	FRONT HANDLE COMPLETE COVER		1	X						
	IN LABEL		1	X						
	OUT LABEL		1	X						
	IN/OUT LABEL		1	X						
	BACK PANEL		1	X						
	COVER		1	X						
	GAS LABEL		1	X						
	CHAIN		1	X						
8	DOOR LATCH PT,LF	0654-610-004R	2	X						
9	DOOR LATCH LF37/38	0654-610-007R	2	X						
10	TURNING WHEEL DIA-125	1029-660-127R	2	X						
11	WHEEL DIA-250	1029-660-250R	2	X						
12	WATER CONNECTION KIT:	T-8040-084-1R	1	X						
	COOLING HOSES		2	X						
	COUPLING RECTUS		4	X						
	THREAD ADAPTER		4	X						
	ORIENTING ELBOW MALE ADAPTOR		2	X						
	STRAIGHT MALE ADAPTOR		2	X						
13	BUMPER KIT	T-8040-047-1R	1	X						



Figure B: Inside Machine Assembly

Item	Description	Part Number	QTY	1	2	3	4	5	6	7
14	TRANSFORMER	R-4034-182-1R	1	X						
15	HEATSINK KIT	T-8040-165-1R	1	X						
16	HALL SENSOR 300A 4V=300A	W4900004R	1	X						
17	FAN 24V	W66X1369R	2	X						
18	INPUT FILTER	Y056-1R	1	X						
19	GAS SOLENOID ELRA 5536NB2	0972-423-040R	1	X						
20	STRAIN RELIEF	1361-599-674R	1	X						
21	FUSE HOLDER	1158-632-032R	1	X						
	FUSE 6.3X32 2A 400V WB-CT	1158-660-010R	1	X						
	FUSE TURN CAP 816	1158-632-033R	1	X						
22	PCB POWER POTTING	Y058-1ER	1	X						
23	WIRE SPOOL HUB	0744-000-335R	1	X						
24	PLASTIC NUT	0744-000-336R	1	X						
25	SOCKET USB	1158-641-061R	1	X						
26	TOGGLE SWITCH HY29J	1115-280-004R	1	X						
27	RECTIFIER BRIDGE 3PH 60A 1200V	W4100021R	1	X						
28	CONTROL BOARD	R-6042-111-1R	1	X						
29	OUTPUT BRIDGE	R-0000-312-1R	1	X						
30	OUTPUT AND FILTER BOARD (PTI)	Y087-1R	1	X						
31	LED MODULE	R-5041-508-1R	2	X						
32	CHOKE	R-4034-185-1R	1	X						
33	POLARISATION SOCKET POWERTEC	R-8040-235-1R	2	X						
34	OUTPUT EMC FILTER	Y097-1R	1	X						

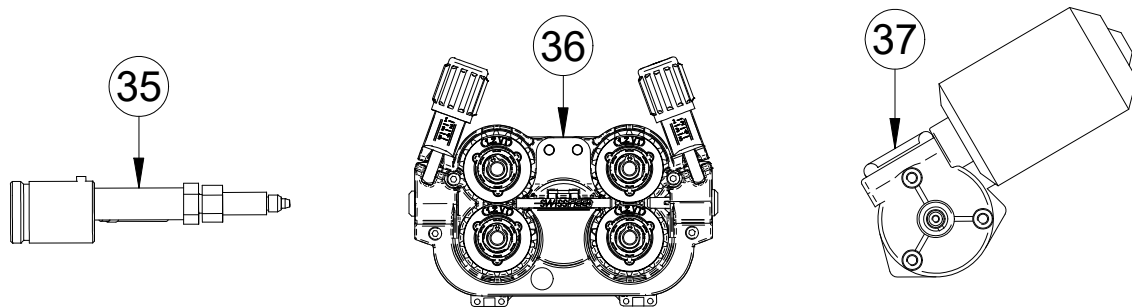


Figure C

Figure C: Wire Drive Assembly

Item	Description	Part Number	QTY	1	2	3	4	5	6	7
35	EURO CONNECTOR	T-8040-021-1R	1	X						
36	WIRE FEED SYSTEM	0744-000-009R	1	X						
37	HOOD AND KNOB SET include:	1111-722-048R	1	X						

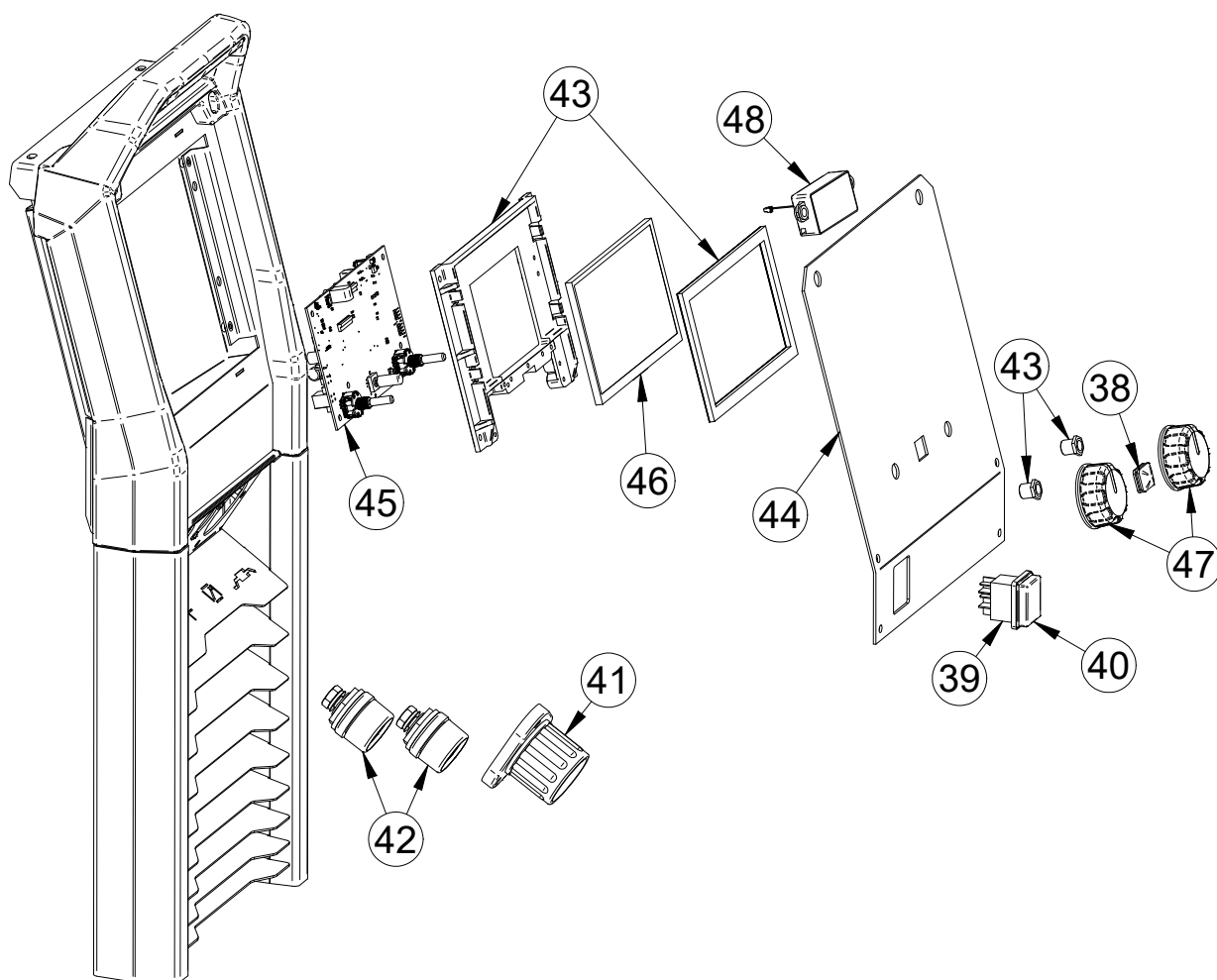


Figure D

Figure D: Front Assembly

Item	Description	Part Number	QTY	1	2	3	4	5	6	7
38	BUTTON COVER	9SS23055	1	X						
39	MAIN SWITCH	1115-270-022R	1	X						
40	SWITCH COVER AND BEZEL	1115-299-073R	1	X						
41	EURO SLEEVE	C-1891-006-1R	1	X						
42	SOCKET X2, X3, X4	90000595PR	2	X						
43	DISPLAY KIT includes:	T-8040-166-1R	1	X						
	FRAME		1	X						
	GASKET		1	X						
	ENCODER REDUCTION		2	x						
44	FRONT PANEL	R-0000-246-4R	1	X						
45	USER INTERFACE	Y063-1TR	1	X						
46	DISPLAY LCD	0942-177-002R	1	X						
47	KNOB	9SM22778-3	2	X						
48	SPEAKER	0943-719-016R	1	X						

Miscellaneous Items (not show in figure A, B, C, D)

Item	Description	Part Number	QTY	1	2	3	4	5	6	7
49	HARNESSES KIT	T-8040-167-1R	1	X						

Electrical Schematic

CODE: 50603

