

CITOTIG 315 AC/DC

Spare Parts.....	1
CITOTIG 315 AC/DC Assemblies overview	1
Figure A: Machine Central Assembly.....	2
Figure B: Machine Front Assembly	3
Figure C: Machine Rear Assembly	4
Figure D: Machine Top Assembly	5
Electrical Schematic.....	6
CODE: 50598	6

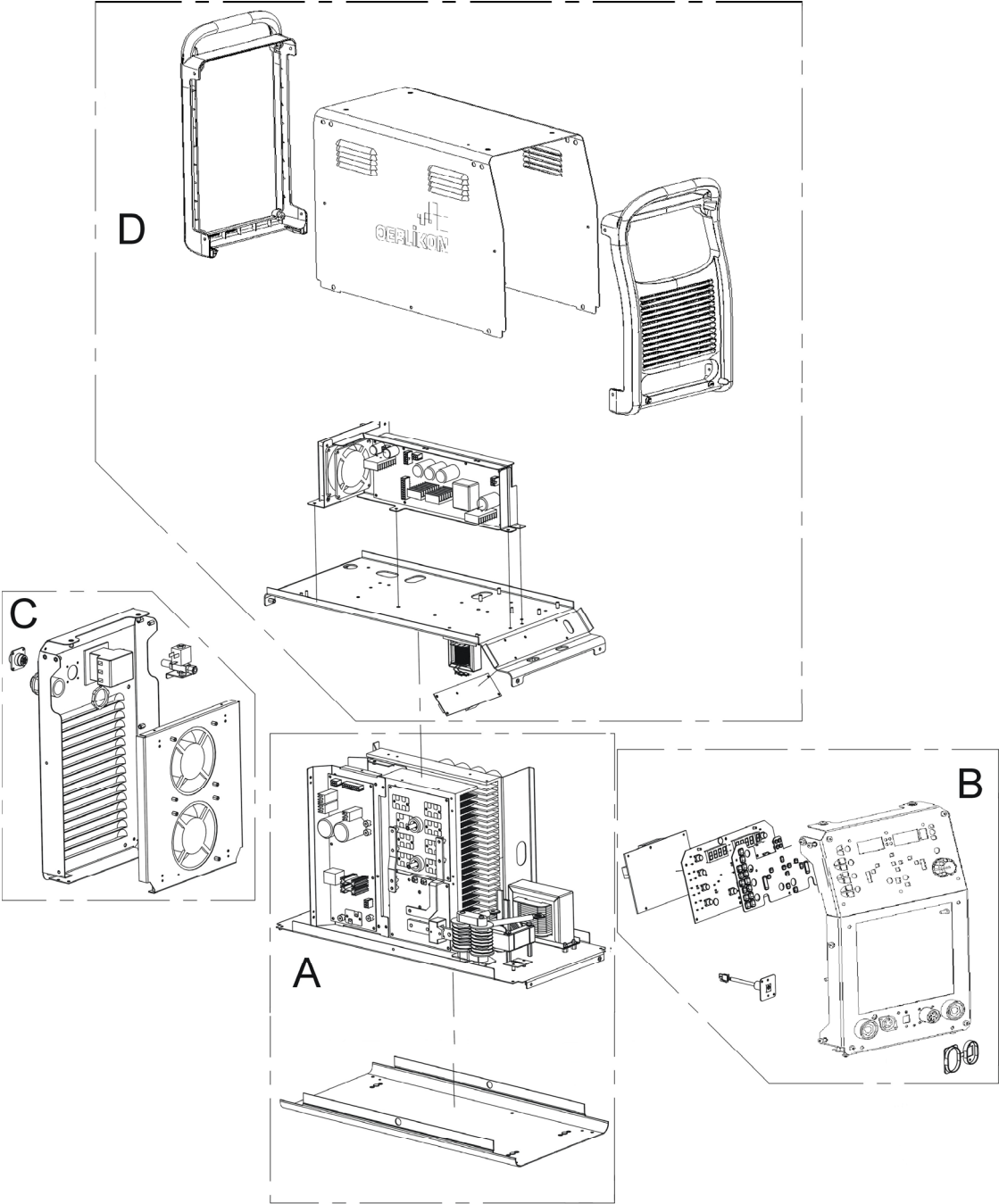


Spare Parts

SP50598 REV05
04/23

ASSEMBLY PAGE NAME			Machine Assembly	Machine Assembly	Machine Assembly	Machine Assembly		
CODE NO.:	W NO.:	FIGURE NO.:	A	B	C	D		
50598	W000403604	CITOTIG 315 AC/DC	1	1	1	1		

*items highlighted in bold are recommended spare parts



CITOTIG 315 AC/DC Assemblies overview

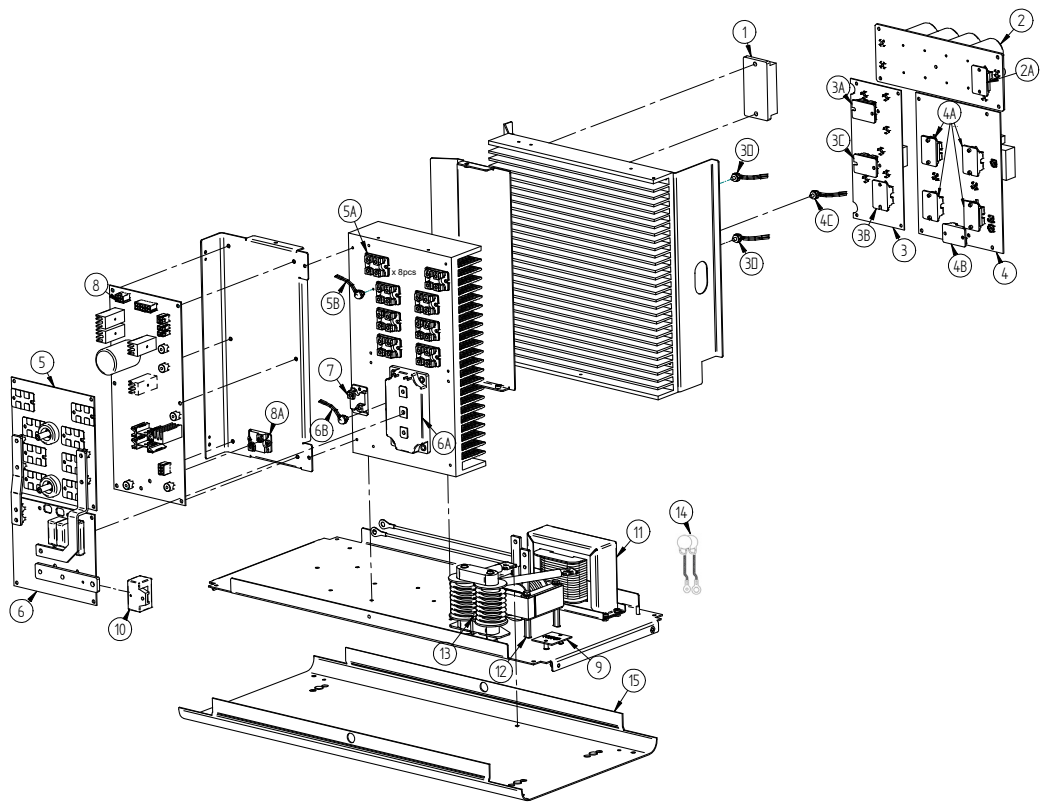


Figure A

Figure A: Machine Central Assembly

Item	Description	Part Number	QTY	1	2	3	4	5	6	7
1	INPUT BRIDGE	W4100021R	1	X						
2	CAPS BOARD	W05X1470R	1	X						
2A	+ POWER RESISTOR	W1810233R	1	X						
3	BUCK BOOST BOARD	W05X0982-2R	1	X						
3A	+ POWER IGBT BOOST	W4300072R	1	X						
3B	+ POWER IGBT BUCK	W4300089R	1	X						
3C	+ POWER DIODE	W4060121R	1	X						
3D	+ THERMAL SENSOR	R-5141-029-1R	2	X						
4	INVERTER P.C. BOARD	Y082-3R	1	X						
4A	+ POWER IGBT	W4300074R	4	X						
4B	+ POWER RESISTOR	W1810010R	1	X						
4C	+ THERMOSTAT SENSOR	W2510070R	1	X						
5	OUTPUT DIODE ACDC BOARD	W05X1523R	1	X						
5A	+ POWER DIODE	W4010060R	8	X						
5B	+ THERMAL SENSOR	R-5141-029-2R	1	X						
6	OUTPUT IGBT ACDC BOARD	W05X1524R	1	X						
6A	+ POWER IGBT	W4300087R	1	X						
6B	+ THERMAL SENSOR	R-5141-029-2R	1	X						
7	SNUBBER RESISTOR	W1810010R	2	X						
8	OUTPUT P.C. BOARD	W05X1527R	1	X						
8A	+ POWER RESISTOR	W1810133R	1	X						
9	CAPACITOR P.C. BOARD	W05X1516-2R	1	X						
10	HALL SENSOR	W4900004R	1	X						
11	BB CHOKE	W58X1072R	1	X						
12	OUT INDUCTOR	W58X1466R	1	X						
13	HF TRANSFORMER	W59X1756R	1	X						
14	EMI CAPACITORS ASSEMBLY	R-5141-041-1R	1	X						
15	BOTTOM FRAME	R-3019-476-1R	1	X						

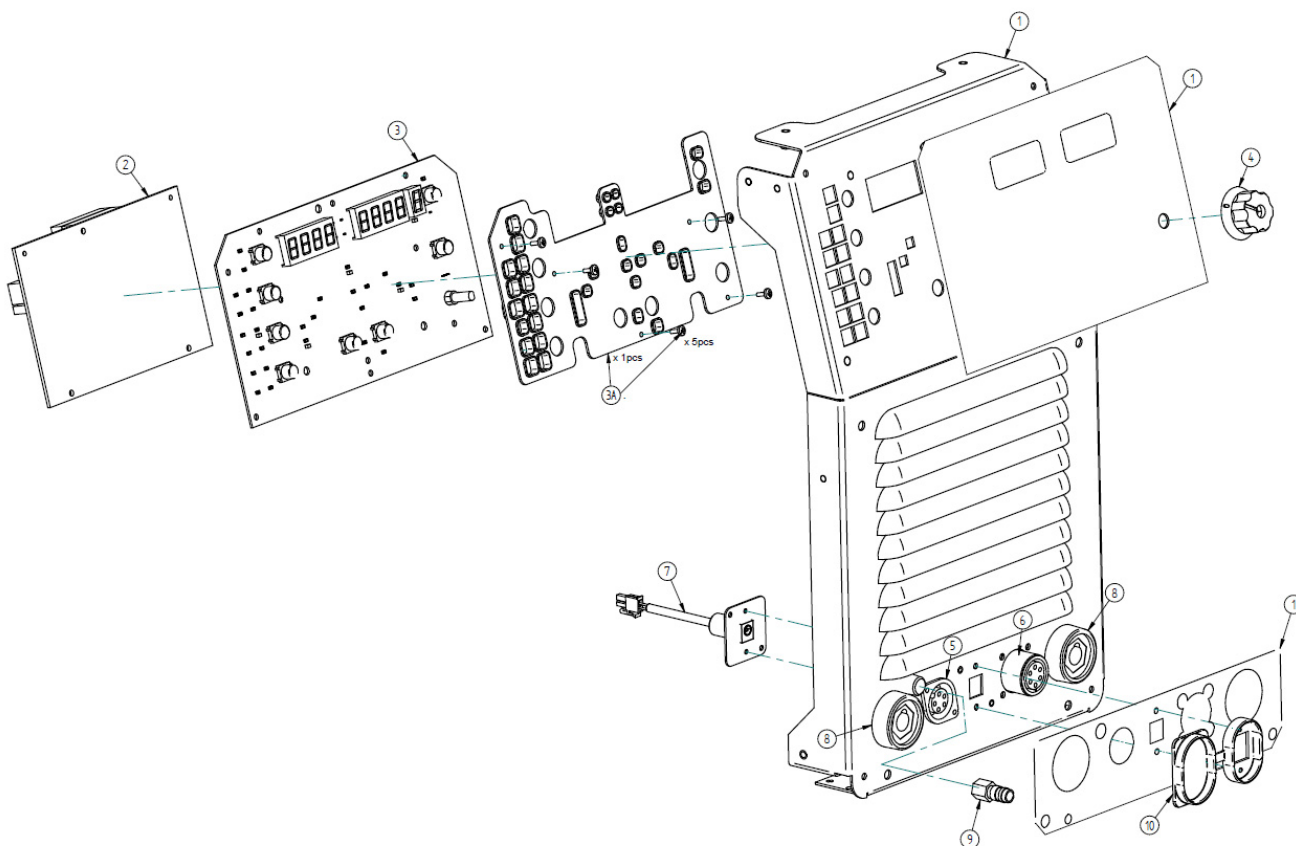


Figure B

Figure B: Machine Front Assembly

Item	Description	Part Number	QTY	1	2	3	4	5	6	7
1	FRONT FRAME	R-8040-426-2R	1	X						
2	CONTROL P.C. BOARD	W05X1705-1R	1	X						
3	DISPLAY P.C. BOARD	W05X1649-2R	1	X						
3A	+ LIGHT GUIDE and its screws	+ W95X1570R	1	X						
4	KNOB	R-8040-431-2R	1	X						
5	TRIGGER TORCH CONNECTOR	R-5141-042-1R	1	X						
6	REMOTE CONTROL CONNECTOR	R-5141-046-1R	1	X						
7	WIRELESS POWER CONNECTOR	R-5141-039-1R	1	X						
8	DINSE CONNECTOR	W7690350R	2	X						
9	FITTING QUICK CONNECTION PU 1/8	W8800082R	1	X						
10	PLASTIC COVER CAP FOR WIRELESS	9SM22444R	1	X						

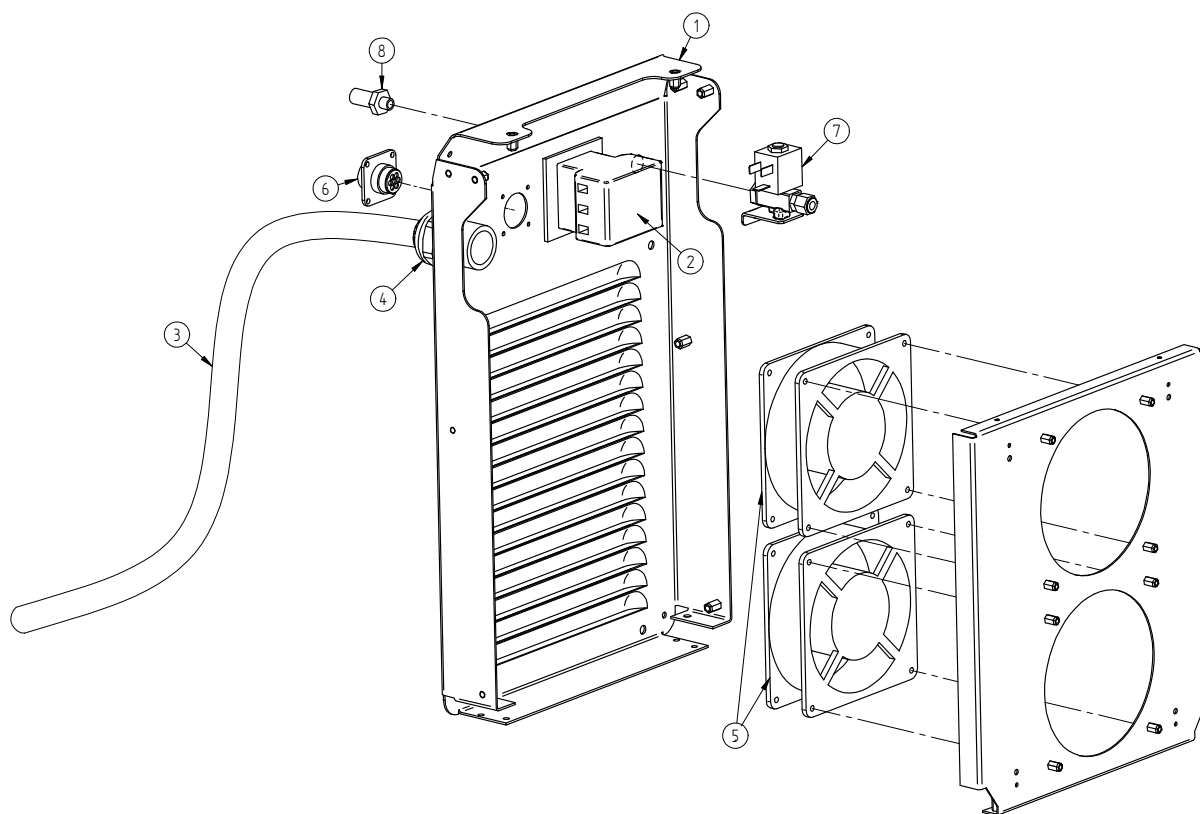


Figure C

Figure C: Machine Rear Assembly

Item	Description	Part Number	QTY	1	2	3	4	5	6	7
1	REAR FRAME	R-3119-002-1/08R	1	X						
2	MAIN SWITCH	W7511706R	1	X						
3	INPUT CORD	R-5141-035-1R	1	X						
4	CABLE CLAMP WITH NUT	W8403223R	1	X						
5	FAN	W66X1369R	1	X						
6	WATER COOLER CONNECTOR	R-5141-022-1R	1	X						
7	SOLENOID VALVE	W8500011R	1	X						
8	FITTING 1/4-1/8 + NUT 1/4	W8896074R	1	X						

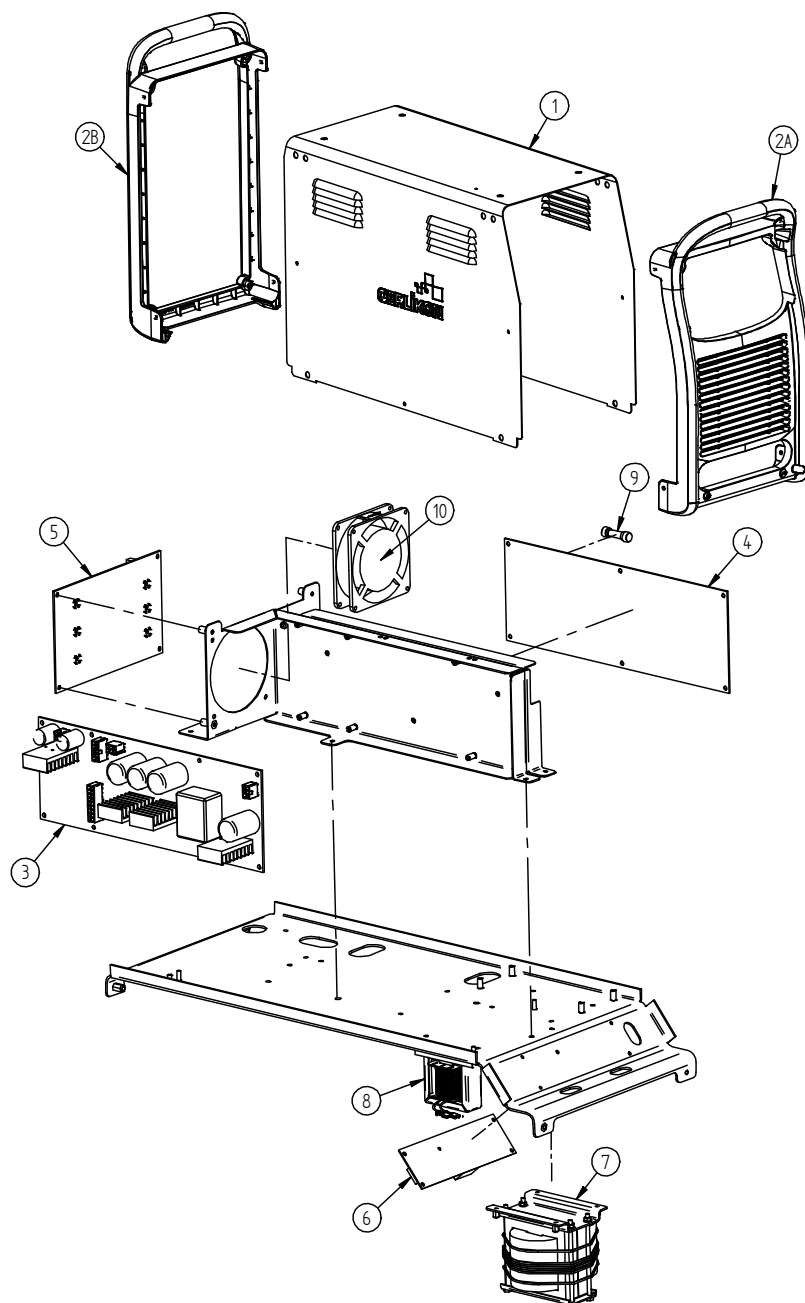


Figure D

Figure D: Machine Top Assembly

Item	Description	Part Number	QTY	1	2	3	4	5	6	7
1	WRAPAROUND	R-1019-523-2R	1	X						
2A	FRONT PANEL	R-0010-679-1R	1	X						
2B	BACK PANEL	R-0010-680-1R	1	X						
3	INPUT POWER BOARD	W05X1461R	1	X						
4	INPUT CONTROL BOARD	W05X1460R	1	X						
5	EMI FILTER	W05X1471R	1	X						
6	HF P.C. BOARD	W05X1615R	1	X						
7	OUT TRANSFORMER	W59X1465R	1	X						
8	BACKGROUND CHOKE COIL	W58X1552R	1	X						
9	WATER COOLER FUSE	W7300225R	1	X						
10	FAN ASSEMBLY	R-5141-026-1R	1	X						

Electrical Schematic

CODE: 50598

