

**APPENDIX E**

**POWERTEC, INC. POWER SUPPLY**

**PARTS LISTS AND SCHEMATIC**

**TABLE OF CONTENTS**

<b>TITLE/MODEL NO.</b>	<b>DRAWING NO.</b>	<b>REV.</b>	<b>PAGE NO.</b>	
Power Supply 9K5-200-17	070-23610-001	H	E-1	
	070-23614-001	H	E-3	
	075-23610-001		E-5	
	075-23614-001	F	E-6	
	080-23601-001	C	E-8	
	085-23605-002		E-9	
	085-23609-001	G	E-10	
	085-23611-001	E	E-11	
	085-23614-001	H	E-13	
	085-23616-001		E-14	
	085-23627-001	E	E-15	
	094-23999-001	G	E-16	
		Ampex No. 570-584 Ref. LM 1420361		
	Schematic	007-23630-002	E	E-17



ASSEMBLY NO. 070-23610-001  
CODE-IDENT

REV. H

## P A R T S L I S T

PROJECT 001  
POWERTEC, INC.PAGE NO. 1  
DATE 08/29/83

ITEM NO	I D PLS	PART NUMBER AND INDENTURE	REV LTR	QUANTITY PER ASSY	EFFECT FROM	DOC CDE	LD IDENT	DESCRIPTION	DRAWING OR SPEC NUMBER	REMARKS	FIND NO
010	0 PL	070-23610-001	H	1.	EA	MA		PCB W/COMP		A1	
020	1 PL	040-23845-001	B	1.	EA	MA		BIAS XFMR		T1	2
021	1 PL	075-23610-001	D	1.	EA	MA		PCB HDW AUTO		A1	1
*030	1 PL	085-23611-001	E	1.	EA	MA		EMI FILTER ASSY		F1.1	3
050	1	063-23206-001		1.	EA	BY		FUSE 2 A 115V		F3	
070	1	032-13006-034		2.	EA	BY		CAP 1000MF/50V		C3,4	
080	1	031-23638-001		1.	EA	BY		CAP 1MF/400V		C5	
090	1	032-13006-015		2.	EA	BY		CAP 47MF/10V		C6,7	
110	1	030-19626-006		1.	EA	BY		CAP .0033MF/1KV		C9	
120	1	024-13014-029		1.	EA	BY		RS 22 BWII 2W		R1	
130	1	020-13024-119		2.	EA	BY		RS 82K 1W 5%		R2,3	
150	1	023-19665-001		1.	EA	BY		POT-VARI 2K .75W 10%		R7	
160	1	060-23230-012		2.	EA	BY		CONNECTOR, EDGE MT		J2,3	24
170	1	060-19149-001		1.	EA	BY		CONNECTOR, FM6 PIN		J1	
180	1	051-13196-003		4.	EA	BI		SCREW, 6X1/4 PAN, PH		FN27	
200	1	052-13298-020			.REF			WIRE, BUSS #20		W1	
210	1	052-13298-014			.REF			WIRE, BUSS #14		W3,W5	
220	1	052-15157-009			.REF			WIRE, HK-UP #20 GRY			
230	1	052-15157-007			.REF			WIRE, HK-UP #20 BLU			
240	1	052-15157-006			.REF			WIRE, HK-UP #20 GRN			
250	1	052-15157-008			.REF			WIRE, HK-UP #20 VIO			
260	1	052-15157-004			.REF			WIRE, HK-UP #20 ORN			
270	1	052-15157-002			.REF			WIRE, HK-UP #20 BRN			

\*\*\* CONTINUED-ON-NEXT-PAGE \*\*\*

ASSEMBLY NO. 070-23610-001  
CODE-IDENT

REV. H

## P A R T S L I S T

PROJECT 001  
POWERTEC, INC.PAGE NO. 2  
DATE 08/29/83

ITEM NO	I D	D PLS	PART NUMBER AND INDENTURE	REV LTR	QUANTITY PER ASSY	UM	EFFECT FROM	DOC CDE	CODE IDENT	LD TM	DESCRIPTION	DRAWING OR SPEC NUMBER	REMARKS	FIGURE NO
280	1		052-19628-014		.REF						TUBING, TEFLON #14			
290	1		051-13175-001		.REF						TIE, WRAP			
310	1		051-13195-003		2.	EA		BI			SCREW 4-40 X 1/4 PH		FN26	
330	1		052-15149-001		.REF						THERMAL COMPOUND		FN35	
340	1	PL	040-23840-001	B	1.	EA		MA			CHOKER COM.MODE		L1	12
350	1		051-13195-011		1.	EA		BI			SCREW #4X3/4"		FN36	
360	1		051-13214-005		1.	EA		BI			NUT #4			
370	1		051-24167-001		2.	EA		BI			WASHER FIBRE		FN38	
380	1		051-13199-001		2.	EA		BI			WASHER #4 FLAT		FN39	
400	1		030-19626-005		1.	EA		BY			CAP .0022/1KV		C8	
410	1		030-19626-010		1.	EA		BY			CAP .0047/1KV		C10	
420	1		022-19159-005		1.	EA		BY			RS 30 25W		RX	5
999	1		EN- 023029REV H		.REF									

ASSEMBLY NO. 070-23614-001  
CODE-IDENT

REV. H

## P A R T S L I S T

PROJECT 001  
POWERTEC, INC.PAGE NO. 1  
DATE 10/14/83

ITEM NO	I D PLS	PART NUMBER AND INDENTURE	REV LTR	QUANTITY PER ASSY	EFFECT FROM	DOC CODE CDE	LD IDENT	DESCRIPTION	DRAWING OR SPEC NUMBER	REMARKS	FIND NO
*010	0 PL	070-23614-001	H	1.	EA	MA		PCB W/COMP CONT CD		EN023435	
*020	1 PL	075-23614-001	F	1.	EA	MA		PCB HDW AUTO		A2	
*023	1 FL	040-23617-001	B	1.	EA	MA		DRIVE XFMR		T1	
*030	1	013-16047-002		1.	EA	BY		SCR		SCR1	
*040	1	014-23641-001		1.	EA	BY		I.C. TL494C PWM		U1	
*050	1	014-23108-008		1.	EA	BY		I.C. MC3423 P1 OVP		U2	
*060	1	010-19572-001		2.	EA	BY		TS MJE 182		Q5,6	
*070	1	010-13020-002		1.	EA	BY		TS 2N2907A		Q8	
*080	1	010-13019-002		1.	EA	BY		TS 2N222A		Q9	
*090	1	030-19575-001		1.	EA	BY		CAP .1/500V		C1	
*100	1	030-19635-004		5.	EA	BY		CAP 1.0 MF 50V		C2-5,10	
*110	1	030-19626-003		1.	EA	BY		CAP 470 PF 500V		C6	
*120	1	030-19635-009		6.	EA	BY		CAP .1MF		C7,11,23-26	
*130	1	032-13006-008		1.	EA	BY		CAP 100MF 10V		C8	
*140	1	030-19626-004		2.	EA	BY		CAP .001MF 1KV		C9,12	
*150	1	030-13152-008		1.	EA	BY		CAP 220 PF, 200V		C17	
*160	1	030-13152-004		2.	EA	BY		CAP .001MF CK05		C14,16	
*170	1	032-13006-011		1.	EA	BY		CAP 10MF 35V		C13	
*180	1	032-13006-010		1.	EA	BY		CAP 4.7MF 15V		C15	
*190	1	030-13152-002		2.	EA	BY		CAP .01MF CK06		C20,22	
*200	1	030-13152-007		1.	EA	BY		CAP .047MF CK05		C19	
*210	1	030-13152-006		1.	EA	BY		CAP .022MF CK06		C18	
*220	1	030-13152-003		1.	EA	BY		CAP .1MF CK06		C21	

\*\*\* CONTINUED-ON-NEXT-PAGE \*\*\*

ASSEMBLY NO. 070-23614-001  
CODE-IDENT

REV. H

## P A R T S L I S T

PROJECT 001  
POWERTEC, INC.PAGE NO. 2  
DATE 10/14/83

ITEM I NO	D D PLS	PART NUMBER AND INDENTURE	REV LTR	QUANTITY PER ASSY	EFFECT UM	DOC CODE CDE	LD IDENT	DESCRIPTION	DRAWING OR SPEC NUMBER	REMARKS	FIND NO
*290	1	024-13014-001		1.	EA	BY		RS 0.1 BWH 2W		R13	
*330	1	030-19635-003		2.	EA	BY		CAP .22MF		C27,28	
*340	1	024-13014-044		1.	EA	BY		RS 390 BWH 2W		R20	
*370	1	024-13014-045		2.	EA	BY		RS 470 OHMS BWH 2W		R16,17	
*410	1	023-22794-006		Y.	EA	BY		POT 5K VARIABLE		R24	
*550	1	023-22794-004		1.	EA	BY		POT 1K TRIMMER		R44	
*620	1	010-13018-002		1.	EA	BY		TS 2N2219A		Q10	
*650	1	051-16773-008		1.	EA	BY		IC SOCKET, 8 PIN DIP			
*660	1	051-16773-016		1.	EA	BY		IC SOCKET, 16 PIN DIP			
*670	1	060-22445-018		2.	EA	BY		EDGE MT CONNECTOR		J2,3	
*690	1	051-13223-001		1.	EA	BI		TS PAD		Q10	
*720	1 PL	040-23834-001	B	1.	EA	MA		CURRENT XFMR		T2	
*730	1	052-15138-020		2.	FT	BI		WIRE HOOK-UP #22 WHT			
*740	1	051-13192-011		8.	EA	BI		SCREW FH #6-32X3/4"			
*750	1	011-16059-001		1.	EA	BI		DD 1N4448		CR29	
*760	1	020-23786-001		2.	EA	BI		RS 1.0 .5W 5%		R1,4	
*770	1	020-13004-073		2.	EA	BI		RS 1K .5W 5%		R46,47	

ASSEMBLY NO. 075-23610-001  
ODE-IDENT

REV.

P A R T S L I S T

PROJECT 001  
POWERTEC, INC.

PAGE NO.  
DATE 11/29/68

TEM I D	PART NUMBER AND INDENTURE	REV LTR	QUANTITY PER ASSY	EFFECT FROM	DOC CODE CDE	LD IDENT	DESCRIPTION	DRAWING OR SPEC NUMBER	REMARKS	FINI NO
010 0 PL	075-23610-001		1.	EA	MA		PCB HDWR AUTO		A1	
020 1	075-23610-101		1.	EA	BY		PCB		A1	1
030 1	051-15142-003		8.	EA	BI		STANDOFF 6-32 X .188			3
040 1	051-15142-002		4.	EA	BI		STANDOFF 6-32 X .125			2
050 1	051-15148-001		3.	EA	BI		STANDOFF 6-32 X .188			4
060 1	050-23684-001		4.	EA	BY		STANDOFF .375			5
070 1	051-15143-007		1.	EA	BI		STANDOFF 4-40X.093			6
080 1	011-13009-001		8.	EA	BI		DIODE 1N4002		CR1-6,8,9	
090 1	020-13022-025		4.	EA	BI		RS 10 .25W 5X		R5,6,10,11	
999 1	EN- 022164REV D						.REF			

ASSEMBLY NO. 075-23614-001  
CODE-IDENT

REV. F

## P A R T S L I S T

PROJECT 001  
POWERTEC, INC.PAGE NO.  
DATE 08/27/78

ITEM NO	I D PLS	PART NUMBER AND INDENTURE	REV LTR	QUANTITY PER ASSY	EFFECT FROM	DOC CODE CDE	LD IDENT TM	DESCRIPTION	DRAWING OR SPEC NUMBER	REMARKS	FIND NO
*010	0 PL	075-23614-001	F	1.	EA		MA	PCB HDW AUTO A2		EN023232	
*020	1	075-23614-101		1.	EA		BY	PCB		A2	1
*030	1	051-15146-001		8.	EA		BI	EYELET			5
*040	1	051-15142-002		8.	EA		BI	STANDOFF 6-32 X .125			4
*050	1	051-15142-003		2.	EA		BI	STANDOFF 6-32 X .188			3
*230	1	011-16058-001		10.	EA		BI	DIODE 1N4936A		CR1,5,6,10	
*231	1	011-16058-001		.REF				DIODE 1N4936A		CR16,17,21	
*232	1	011-16058-001		.REF				DIODE 1N4936A		CR11,12,22	
*240	1	011-13009-001		17.	EA		BI	DIODE 1N4002		CR2-4,7-9	
*241	1	011-13009-001		.REF				DIODE 1N4002		CR18-20,30	
*242	1	011-13009-001		.REF				DIODE 1N4002		CR13-15,31	
*243	1	011-13009-001		.REF				DIODE 1N4002		CR23-25	
*250	1	011-16059-001		6.	EA		BI	DIODE 1N4448		CR26-28	
*251	1	011-16059-001		.REF				DIODE 1N4448		CR32-34	
*260	1	020-23786-001		2.	EA		BI	RS 1.0 .5W 5% C/C		R8,11	
*270	1	020-13022-089		4.	EA		BI	RS 4.7K .25W 5%		R2,5,9,12	
*271	1	020-13022-089		.REF				RS 4.7K .25W 5%		CRT	
*280	1	020-13022-049		4.	EA		BI	RS 100 .25W 5% C/C		R3,6,7,10	
*300	1	020-13004-059		2.	EA		BI	RS 270 .5W 5%		R14,23	
*310	1	020-13004-057		2.	EA		BI	RS 220 .5W 5%		R15,18	
*350	1	020-13004-013		1.	EA		BI	RS 3.3 .5W 5%		R22	
*360	1	012-13013-022		1.	EA		BI	DIODE ZENER 1N4749A		VR1-CRT	
*380	1	020-13004-091		2.	EA		BI	RS 5.6K .5W 5%		R19,33	

\*\*\* CONTINUED-ON-NEXT-PAGE \*\*\*



ASSEMBLY NO. 075-23614-001  
CODE-IDENT

REV. F

## P A R T S L I S T

PROJECT 001  
POWERTEC, INC.PAGE NO.  
DATE 08/29/8

ITEM I D NO D PLS	PART NUMBER AND INDENTURE	REV LTR	QUANTITY PER ASSY	EFFECT UM	DOC CODE CDE	LD IDENT	DESCRIPTION	DRAWING OR SPEC NUMBER	REMARKS	FIND NO
*390 1	020-13004-012		1.	EA		BI	RS 3 OHMS .5W5%		R21-CRT	
*400 1	020-13004-049		1.	EA		BI	RS 100 OHMS .5W 5%		R26-CRT	
*420 1	020-13004-077		1.	EA		BI	RS 1.5K .5W 5%		R39-CRT	
*430 1	021-22660-334		1.	EA		BI	RS 29.4K .5W 1%		R27-CRT	
*440 1	020-13004-129		1.	EA		BI	RS 220K .5W 5%		R28-CRT	
*450 1	021-22660-210		1.	EA		BI	RS 1.5K MF .5W 1%		R43-CRT	
*460 1	020-13004-127		1.	EA		BI	RS 180K .5W 5%		R30-CRT	
*470 1	020-13004-097		4.	EA		BI	RS 10K .5W 5%		R31,40,45	
*471 1	020-13004-097			.REF			RS 10K .5W 5%		R32	
*500 1	021-22660-235		3.	EA		BI	RS 2.74K MF .5W 1%		R35,37,38	
*510 1	020-13004-107		1.	EA		BI	RS 27K .5W 5%		R36-CRT	
*520 1	020-13004-056		1.	EA		BI	RS 200 OHMS .5W 5%		R42-CRT	
*530 1	020-13004-130		1.	EA		BI	RS 240K .5W 5%		R41-CRT	
*560 1	020-13004-073		1.	EA		BI	RS 1K .5W 5%		R50	
*570 1	020-13004-082		3.	EA		BI	RS 2.4K .5W 5%		R25,48,51	
*580 1	020-13004-042		1.	EA		BI	RS 51 OHMS .5W 5%		R49-CRT	
*600 1	020-13022-056		1.	EA		BI	RS 200 OHMS .25W 5%		R52-CRT	
*610 1	020-13004-119		1.	EA		BI	RS 82K 0.5W 5%		R34-CRT	
*700 1	020-13022-063		1.	EA		BI	RS 390 OHMS 1/4W 5%		R53-CRT	
*750 1	020-13022-080		1.	EA		BI	RS 2K .5W 5%		R54-CRT	

ASSEMBLY NO. 080-23601-001  
CODE-IDENT

REV. C

P A R T S L I S T

PROJECT 001  
POWERTEC, INC.

PAGE NO. 1  
DATE 07/28/83

ITEM NO	I D PLS	PART NUMBER AND INDENTURE	REV LTR	QUANTITY PER ASSY	EFFECT FROM THRU	COD CDE	CODE IDENT	LT TM	DESCRIPTION	DRAWING OR SPEC NUMBER	SPEC	REMARKS	FIND NO
010	0 PL	080-23601-001	C	1.	EA	MA			9K5-200-17				
020	1 PL	085-23609-001	G	1.	EA	MA			PCB MOTHERBOARD ASSY			A1	
025	1	002-23815-001			.REF				HOOK-UP INSTRUCTIONS				
030	1	050-23604-001		1.	EA	BY			REAR PANEL				
040	1	050-23602-001		1.	EA	BY			TOP COVER				
050	1	050-23607-001		1.	EA	MCH			INSULATOR, SIDE				
060	1	050-23695-002		1.	EA	MCH			COVER, SAFETY INS				
070	1	051-19590-003		2.	EA	BI			SCREW, #6-32 X 1/4"				
080	1	051-13192-003		14.	EA	BI			SCREW, 6-32 X 1/4"				
090	1	050-23696-001		1.	EA	MCH			BUS BAR INS				
110	1	050-23814-001		1.	EA	MCH			CONNECTOR STRAP				
120	1	051-15158-003		1.	EA	BI			JUMPER STRAP				
130	1	007-23630-002			.REF				SCHEMATIC				
140	1	005-19009-201			.REF				TEST DATA				
999	1	EN- 022359REV C			.REF								

ASSEMBLY NO. 085-23605-002  
CODE-IDENT

REV.

## P A R T S L I S T

PROJECT 001  
POWERTEC, INC.PAGE NO.  
DATE 07/06/

ITEM NO	D PLS	PART NUMBER AND INDENTURE	REV LTR	QUANTITY PER ASSY	EFFECT UM	DOC CODE CDE	LD IDENT	DESCRIPTION	DRAWING OR SPEC NUMBER	REMARKS	FIN NO
010	0	PL 085-23605-002		1.	EA		MA	FRONT PANEL ASSY.			
021	1	061-19144-003		1.	EA		BY	GUARD, FAN			
022	1	050-23605-002		1.	EA		BY	FRONT PANEL			
030	1	060-19574-002		2.	EA		BY	BARRIER STRIP 3 CKT			
040	1	051-13269-003		4.	EA		BI	SCREW, ST #8-32			
050	1	051-15158-004		4.	EA		BI	CLIP, RETAINING			
060	1	051-19153-003		1.	EA		BI	GROMMET RUBBER			
070	1	051-13215-002		4.	EA		BI	NUT-KEPS #6-32			
080	1	051-13215-005		1.	EA		BI	NUT-KEPS #6-32 SP			
090	1	061-16782-008		1.	EA		BY	FAN			
100	1	051-13191-003		1.	EA		BI	SCREW #6 1/4 PAN PH			
110	1	051-13192-003		1.	EA		BI	SCREW #6 1/4 FLAT PH			
120	1	051-13229-002		1.	EA		BI	LUG SOLDER			
130	1	051-13229-005		1.	EA		BI	LUG SOLDER			
140	1	052-15157-002		.REF				WIRE #20 BRN			
150	1	052-13298-020		.REF				WIRE BUS #20			
160	1	031-24121-001		3.	EA		BY	CAP .0047UF/250V			
170	1	052-19618-022		.REF				SLEEVING TEFLON #2			
1999	1	EN- 021689REV D		.REF							

ASSEMBLY NO. 085-23609-001  
CODE-IDENT

REV. G

## P A R T S L I S T

PROJECT 001  
POWERTEC, INC.PAGE NO.  
DATE 07/28/8

ITEM NO	I D	PLS	PART NUMBER AND INDENTURE	REV LTR	QUANTITY PER ASSY	EFFECT FROM THRU	COD CDE	LT IDENT	DESCRIPTION	DRAWING OR SPEC NUMBER	REMARKS	FIELD NO
010	0	PL	085-23609-001	G	1.	EA	MA		PCB MOTHERBOARD ASSY			
020	1	PL	070-23610-001	H	1.	EA	MA		PCB W/COMP		A1	
030	1	PL	085-23616-001	F	1.	EA	MA		DIODE H/S ASSY			
040	1	PL	085-23605-002	D	1.	EA	MA		FRONT PANEL ASSY		FP	
050	1	PL	085-23614-001	E	1.	EA	MA		HEATSINK SUB ASSY		A2	
060	1		050-23603-001		1.	EA	BY		COVER, BOTTOM			
070	1		050-23606-001		1.	EA	MCH		INS, BOTTOM			
080	1		050-23685-001		1.	EA	MCH		INS, A-1 AIR FLOW			
090	1		050-23608-001		1.	EA	MCH		INS, FRONT PANEL			
110	1		051-13222-008		4.	EA	BI		WASHER, SHOULDER			
120	1		051-13226-003		2.	EA	BI		WASHER FLAT 5/16			
130	1		051-13200-006		2.	EA	BI		WASHER SPLIT LOCK			
140	1		051-22851-002		4.	EA	DI		NUT HEX 5/16" #18			
160	1		051-13269-005		3.	EA	DI		SCREW THRD FORM #6			
170	1		051-13192-003		14.	EA	BI		SCREW #6 1/4 FLAT PH			
180	1		051-13175-005		1.	EA	DI		TIEWRAP			
190	1		051-13175-001		.REF				TIEWRAP			
210	1		041-15121-011		.REF				TAPE MYLAR			
230	1		041-23454-002		2.	EA	BY		CORE TOROID			
240	1		032-13035-055		2.	EA	BY		CAP 3400MF/200V		C1,2	
250	1		051-13198-007		4.	EA	DI		SCREW 10-32X1/2PH			
260	1		050-23727-001		2.	EA	BY		FOAM PIECE INPUT CAP			
999	1		EN- 022447REV G		.REF							

ASSEMBLY NO. 085-23611-001  
CODE-IDENT

REV. E

## P A R T S L I S T

PROJECT 001  
POWERTEC, INC.PAGE NO. 1  
DATE 08/29/83

ITEM NO	I D PLS	PART NUMBER AND INDENTURE	REV LTR	QUANTITY PER ASSY	EFFECT UM	EFFECT FROM THRU	DOC CDE	CODE IDENT	LD TM	DESCRIPTION	DRAWING OR SPEC NUMBER	SPEC	REMARKS	FIND NO
*010	0 PL	085-23611-001	E	1.	EA		MA			EMI FILTER ASSY			EN023231	
*020	1 PL	050-23611-001	B	1.	EA		MD			INPUT BRACKET				
*030	1	013-23637-001		1.	EA		BY			TRIAC				
*040	1	011-16044-012		1.	EA		BY			DIODE BRIDGE				
*050	1	051-19153-003		1.	EA		BI			GROMMET				
*060	1	022-13164-002		1.	EA		BY			RS 12 12W 5X				
*070	1	030-19634-002		1.	EA		BY			CAP .01 MF 3KV				
*080	1	031-13005-004		1.	EA		BY			CAP .022MF 100V				
*090	1	063-19148-014		1.	EA		BY			FUSE 10A 250V				
*100	1	063-19148-017		1.	EA		BY			FUSE 20A 250V				
*110	1	063-19148-019		1.	EA		BY			FUSE 25A 125V				
*120	1	063-13047-005		3.	EA		BY			FUSE HOLDER				
*130	1	051-13196-003		3.	EA		BI			SCREW 6-32X1/4 PAN				
*150	1	051-13196-023		1.	EA		BI			SCREW, #6X2" PAN, PH				
*170	1	051-13215-005		2.	EA		BI			NUT KEPS #6-32 SM				
*180	1	051-13215-002		1.	EA		BI			NUT-KEPS 6-32				
*190	1	051-22845-001		2.	EA		BI			BUSHING SHOULDER #6				
*200	1	051-13199-002		1.	EA		BI			WASHER, FLAT #6				
*210	1	052-15157-004		.REF						WIRE: 20GA ORN				
*220	1	052-15157-002		.REF						WIRE: 20GA BRN				
*230	1	052-15157-006		.REF						WIRE: 20GA GRN				
*240	1	052-15157-007		.REF						WIRE: 20GA BLUE				
*250	1	052-15157-030		.REF						WIRE: 16GA DLK				

\*\*\* CONTINUED-ON-NEXT-PAGE \*\*\*

ASSEMBLY NO. 085-23611-001  
CODE-IDENT

REV. E

## P A R T S L I S T

PROJECT 001  
POWERTEC, INC.PAGE NO. 2  
DATE 08/29/83

ITEM I D NO D PLS	PART NUMBER AND INDENTURE	REV LTR	QUANTITY PER ASSY	EFFECT UM	DOC CODE CDE	LD IDENT	DESCRIPTION	DRAWING OR SPEC NUMBER	REMARKS	FIND NO
*260 1	052-15157-032		.REF				WIRE: 16GA RED			
*270 1	052-15157-031		.REF				WIRE: 16GA BRN			
*280 1	052-15157-038		.REF				WIRE: 16GA GRAY			
*300 1	052-15157-042		.REF				WIRE: 14GA RED			
*320 1	052-15157-049		.REF				WIRE: 14GA WHT			
*330 1	052-13298-016		.REF				WIRE: BUSS 16GA			
*340 1	052-19618-016		.REF				TUBING, TEFLON #16			
*350 1	052-15149-001		.REF				THERMAL COMPOUND			
*360 1	069-19643-004		.REF				RTV 102			
*370 1	052-19618-022		.REF				TUBING TEFLON #22			
*380 1	052-19652-002		.REF				SLEEVING			

ASSEMBLY NO. 085-23614-001  
CODE-IDENT

REV.

## P A R T S L I S T

PROJECT 001  
POWERTEC, INC.PAGE NO.  
DATE 05/14/71

ITEM I D	PART NUMBER	REV	QUANTITY	EFFECT	DOC CODE	LD	DESCRIPTION	DRAWING OR SPEC	REMARKS	FIN
NO D PLS	AND INDENTURE	LTR	PER ASSY	UM FROM THRU	CDE	IDENT		NUMBER		NO
010 0 PL	085-23614-001		1.	EA		MA	HEATSINK SUB-ASSY A2			
020 1 PL	070-23614-001		1.	EA		MA	PCB W/COMP		A2	
030 1	050-23615-001		1.	EA		BY	HEATSINK TS			
040 1	010-19658-003		4.	EA		BY	TS POWER			
050 1	063-15155-007		1.	EA		BY	THERMOSTAT 100 C			
070 1	010-23613-001		1.	EA		BY	TIP 31B TS			
080 1 PI	050-23846-001		1.	EA		MD	HEATSINK TO-220			
110 1	051-13195-004		1.	EA		BI	SCREW 4-40 X 5/16			
120 1	051-13215-005		8.	EA		BI	KEPNUT 6-32 SM. PAT.			
140 1	050-23640-001		1.	EA		BY	INS TS H/S			
150 1	051-13249-009		4.	EA		BI	INS TO-3 TS			
170 1	051-13278-001		4.	EA		BI	INS-SPACER TO-3 TS			
190 1	051-13199-001		1.	EA		DI	WASHER 4-40			
210 1	052-15149-001			.REF			THERMAL COMPOUND			
220 1	051-23849-001		4.	EA		BI	STANDOFF #6 NYLON			
*230 1	051-19605-001		4.	EA		BY	SCREW NYLON #6X1/4"			
270 1	051-13269-006		2.	EA		DI	SCREW #4 SELF-TAP			
999 1	EN- 021196REV E			.REF						

ASSEMBLY NO. 085-23616-001  
CODE-IDENT

REV.

## P A R T S L I S T

PROJECT 001  
POWERTEC, INC.PAGE NO.  
DATE 06/01/

ITEM NO	I D	D PLS	PART NUMBER AND INDENTURE	REV LTR	QUANTITY PER ASSY	EFFECT FROM	DOC CODE	LD IDENT	DESCRIPTION	DRAWING OR SPEC NUMBER	REMARKS	FIN NO
010	0	PL	085-23616-001		1.	EA	MA		DIODE H/S ASSY			
020	1	PL	085-23627-001		1.	EA	MA		BUS BAR SUB-ASSY			
030	1	PL	040-23618-001		1.	EA	MA		XFMR, OUTPUT		T1	
040	1	PL	040-23620-001		1.	EA	MA		CHOKE, OUTPUT		L1	
050	1		011-16056-003		4.	EA	BY		SHOTTKY DD 45V 75A		CR1,2,3,4	
060	1		063-15155-007		1.	EA	BY		THERMOSTAT		TS-1	
*070	1		020-13004-017		2.	EA	BI		RS 4.7 .5W 5% C/C		R2,3	
080	1		031-13005-004		2.	EA	BY		CAP .022MF/100V		C2,3	
090	1		050-23616-001		1.	EA	BY		DIODE H/S			
100	1		050-23623-001		1.	EA	MCH		XFMR BRACKET			
110	1		051-13269-003		4.	EA	BI		SCREW #8 SELF-TAP			
120	1		051-13269-001		3.	EA	BI		SCREW, #6 SELF-TAP			
150	1		051-13269-006		2.	EA	BI		SCREW #4 SELF TAP			
160	1		051-13198-004		2.	EA	BI		SCREW #10 X 5/16			
170	1		051-13194-005		2.	EA	BI		SCREW #10 X 3/8			
180	1		051-19580-006		2.	EA	BI		WASHER #10 INT.			
190	1		052-15157-004			.REF			WIRE HK-UP #20 ORN			
210	1		050-23676-001		1.	EA	MCH		BUS BAR, XFMR			
220	1		052-15149-001			.REF			THERM. COMPOUND			
230	1		051-13215-004		1.	EA	BI		NUT KEPS #10			
240	1		051-13225-002		4.	EA	BI		NUT HEX #1/4-28			
250	1		051-13199-008		4.	EA	BI		WASHER FLAT #1/4			
*999	1		EN- 021616REV F			.REF						



ASSEMBLY NO. 085-23627-001  
CODE-IDENT

REV. E

## P A R T S L I S T

PROJECT 001  
POWERTEC, INC.PAGE NO.  
DATE 08/29/8

ITEM NO	I D PLS	PART NUMBER AND INDENTURE	REV LTR	QUANTITY PER ASSY	EFFECT FROM THRU	DOC CODE CDE IDENT	LD TM	DESCRIPTION	DRAWING OR SPEC NUMBER	REMARKS	FIND NO
*010	0 PL	085-23627-001	E	1.	EA	MA		BUS BAR SUB-ASSY		EN023260	
*022	1 PL	050-23678-001	A	1.	EA	MD		BUS BAR EXT NEG			
*023	1 PL	050-23679-001	A	1.	EA	MD		BUS BAR EXT POS			
*024	1	050-23677-001		1.	EA	MCH		BUS BAR INS			
*040	1	032-23683-001		3.	EA	BY		CAP CGD 1500MF/7.5V		C1-3	
*050	1	051-13194-006		4.	EA	BI		SCREW 10-32 X 7/16			
*070	1	051-13198-005		2.	EA	BI		SCREW 10-32 X 3/8			
*080	1	051-13193-004		2.	EA	BI		SCREW 8-32 X 5/16			
*090	1	051-19580-006		2.	EA	BI		WASHER #10			
*100	1	051-13215-005		4.	EA	BI		KEPNUT #6 SML PTRN			
*110	1	051-13229-002		3.	EA	BI		LUG #6			
*120	1	030-19635-004		3.	EA	BY		CAP, 1 MF, 50V		C4-6	
*130	1	052-19618-018		.REF				TUBING TEFLON #18			
*150	1	051-13229-005		1.	EA	BI		LUG #6			
*160	1	051-13194-004		1.	EA	BI		SCREW 10-32 X 5/16			
*170	1	052-15157-003		.REF				WIRE HOOK-UP #20 RED			
*180	1	052-15157-001		.REF				WIRE HOOK-UP #20 BLK			
*190	1	050-23625-001		1.	EA	BY		BUS BAR NEG			
*200	1	050-23626-001		1.	EA	BY		BUS BAR POS			
*210	1	041-23833-001		2.	EA	BY		BUS BAR CHOKE		FN6	
*220	1	041-15121-009		.REF				TAPE MYLAR			
*230	1	052-19618-022		.REF				TUBING TEFLON #22			
*240	1	069-19643-001		.REF				GLUE EPOXY BOND			
*250	1	030-19575-001		3.	EA	BY		CAP .1UF/500V			

ASSEMBLY NO. 094-23999-001  
CODE-IDENT

REV. C

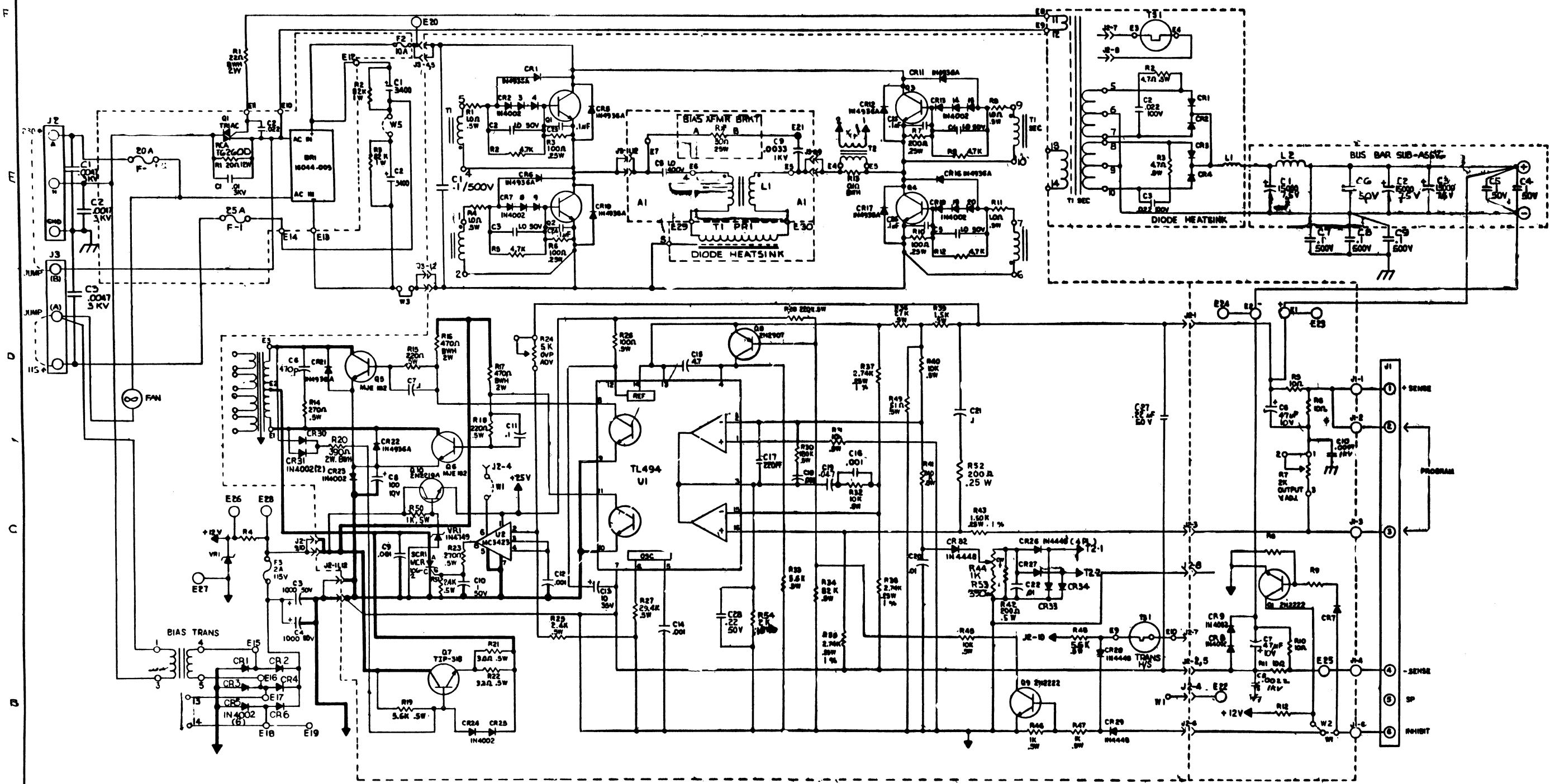
P A R T S L I S T

PROJECT 001  
POWERTEC, INC.

PAGE NO. 1  
DATE 07/28/83

ITEM NO	I D	D PLS	PART NUMBER AND INDENTURE	REV LTR	QUANTITY PER ASSY	EFFECT UM	FROM THRU	COD CDE	CODE IDENT	LT TM	DESCRIPTION	DRAWING OR SPEC NUMBER	REMARKS	FIND NO
010	0	PL	094-23999-001	C	1.	EA		MA			CONNECTOR ASSY			
020	1		051-13251-045		2.	EA		BI			LUG SOLDERLESS			1
030	1		060-19150-005		2.	EA		BY			MALE TERM CONN NYL			2
040	1		052-15157-003		.290	FT		BI			HK-UP WIRE RED #20GA			3
050	1		052-15157-001		.210	FT		BI			HK-UP WIRE BLK #20GA			4
060	1		060-19149-002		1.	EA		BY			CONNECTOR NYLON			5
999	1		EN- 022190REV C		.REF									

The information and designs contained herein are the exclusive property of POWERTEC INC., and use thereof without the express and written consent of POWERTEC INC. is prohibited.



4 Q1, Q2, Q3 AND Q4 ARE 2N6675, POWERTEC<sup>®</sup> 010-19658-003.  
 3 CR1, CR2, CR3 AND CR4 ARE UNITRODE<sup>®</sup> USD 545 OR EQUIV, POWERTEC<sup>®</sup> 011-16056-005  
 2 ALL CAPACITORS ARE IN MICROFARADS.  
 1 ALL RESISTORS ARE IN OHMS, 5%, 1/4 W.  
 NOTE: UNLESS OTHERWISE SPECIFIED

LAST USED COMPONENTS  
 A1- C10, CR9, R12  
 A2- C28, CR32, R84, Q10, T2

UNLESS OTHERWISE SPECIFIED:		APP: <i>A. Barlow</i> 1-31-81	POWERTEC INC.	
CONDUCTIVE PADS & HOLES:	CHECK: <i>W. Jones</i> 1-31-81	20860 NORDHOFF ST., CHATSWORTH, CALIF., 91311		
DRILLING & TOLERANCES PER ANSI Y14.1	DATE: <i>W. Jones</i> JAN. 29 81	TITLE		
RIGHT ANGLE BEING SHALL BE 90° ± 1°		SCHEMATIC (115V/230V) 9K		
TOLERANCES SHALL BE:		SIZE	CODE IDENT NO	DRAWING NUMBER
ANGLES 1" ± 1/4" DECIMALS ± .005		D	24429	007-23630-002
1" ± 1/4" ± .005		FINISH		REV
HOLE DIMENSIONS (UP TO 1" DIA.) ± .005				E
SMALL THICKNESS UP TO .015 ± .0015				
>.015 - .050 ± .002				
>.050 - .125 ± .003				
>.125 ± .005				
REMOVE BURRS, BREAK EDGES, & FILE				

Schematic No. 570-584