

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
<b>A 4</b>						
	04276-66504	3	1	POWER SUPPLY BOARD ASSEMBLY	28480	04276-66504
A4C1	0180-1075	3	3	CAPACITOR-FXD 2200 UF 16VDC AL	28480	0180-1075
C2	0180-2980	1	2	CAPACITOR-FXD 1000UF+-20% 35VDC AL	28480	0180-2980
C3	0180-2980	1		CAPACITOR-FXD 1000UF+-20% 35VDC AL	28480	0180-2980
C4	0180-1075	3		CAPACITOR-FXD 2200 UF 16VDC AL	28480	0180-1075
C5	0180-3221	5	6	CAPACITOR-FXD 10 UF 100VDC	28480	0180-3221
C6	0180-3221	5		CAPACITOR-FXD 10 UF 100VDC	28480	0180-3221
C7	0180-3221	5		CAPACITOR-FXD 10 UF 100VDC	28480	0180-3221
C8	0180-3221	5		CAPACITOR-FXD 10 UF 100VDC	28480	0180-3221
C9	0180-3221	5		CAPACITOR-FXD 10 UF 100VDC	28480	0180-3221
C10	0180-3221	5		CAPACITOR-FXD 10 UF 100VDC	28480	0180-3221
C11	0180-1050	4	3	CAPACITOR-FXD 100UF 25VDC	28480	0180-1050
C12	0180-1050	4		CAPACITOR-FXD 100UF 25VDC	28480	0180-1050
C13	0180-1050	4		CAPACITOR-FXD 100UF 25VDC	28480	0180-1050
C14	0160-2055	9	1	CAPACITOR-FXD .01UF +80-20% 100VDC CER	28480	0160-2055
C15	0180-1075	3		CAPACITOR-FXD 2200 UF 16VDC AL	28480	0180-1075
C16	0160-3456	6		CAPACITOR-FXD 1000PF +-10% 1KVDC CER	28480	0160-3456
C17	0180-0197	8	1	CAPACITOR-FXD 2.2UF+-10% 20VDC TA	56289	150D225X9020A2
C18	0160-4822	2	1	CAPACITOR-FXD 1000PF +-5% 100VDC CER	28480	0160-4822
C19	0180-0291	3	1	CAPACITOR-FXD 1UF+-10% 35VDC TA	56289	150D105X9035A2
C20	0160-3094	8	1	CAPACITOR-FXD .1UF +-10% 100VDC CER	28480	0160-3094
C21	0180-1704	5	1	CAPACITOR-FXD 47UF+-10% 6VDC TA	56289	150D476X9006B2
C22	0180-0228	6	2	CAPACITOR-FXD 22UF+-10% 15VDC TA	56289	150D226X9015B2
C23	0160-0127	2	3	CAPACITOR-FXD 1UF +-20% 25VDC CER	28480	0160-0127
C24	0160-0127	2		CAPACITOR-FXD 1UF +-20% 25VDC CER	28480	0160-0127
C25	0160-4593	4	2	CAPACITOR-FXD 1.5UF +-20% 400VDC	28480	0160-4593
C26	0160-0127	2		CAPACITOR-FXD 1UF +-20% 25VDC CER	28480	0160-0127
C27	0180-1746	5	1	CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
C28	0160-4593	4		CAPACITOR-FXD 1.5UF +-20% 400VDC	28480	0160-4593
C29	0180-3231	7	4	CAPACITOR-FXD 4.7 UF 450VDC	28480	0180-3231
C30	0180-3231	7		CAPACITOR-FXD 4.7 UF 450VDC	28480	0180-3231
C31	0180-3231	7		CAPACITOR-FXD 4.7 UF 450VDC	28480	0180-3231
C32	0180-3231	7		CAPACITOR-FXD 4.7 UF 450VDC	28480	0180-3231
C33	0180-3253	6	2	CAPACITOR-FXD 470 UF 200VDC	28480	0180-3253
C34	0180-3253	6		CAPACITOR-FXD 470 UF 200VDC	28480	0180-3253
C35	0160-3969	6	2	CAPACITOR-FXD .015UF +-20PF 250VAC(RMS)	28480	0160-3969
C36	0160-3969	6		CAPACITOR-FXD .015UF +-20PF 250VAC(RMS)	28480	0160-3969
C37	0180-0228	6		CAPACITOR-FXD 22UF+-10% 15VDC TA	56289	150D226X9015B2
A4CR1	1902-1217	8	1	DIODE-ZNR 6.2V 5% DO-4 PD=10W TC=+.035%	28480	1902-1217
CR2	1902-3234	3	2	DIODE-ZNR 19.6V 5% DO-35 PD=.4W	28480	1902-3234
CR3	1902-3234	3		DIODE-ZNR 19.6V 5% DO-35 PD=.4W	28480	1902-3234
CR4	1901-0025	2	11	DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
CR5	1901-0025	2		DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
CR6	1901-0025	2		DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
CR7	1901-0025	2		DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
CR8	1901-0691	8	6	DIODE-PWR RECT 100V 3A 200NS	03508	A115A
CR9	1901-0691	8		DIODE-PWR RECT 100V 3A 200NS	03508	A115A
CR10	1901-0691	8		DIODE-PWR RECT 100V 3A 200NS	03508	A115A
CR11	1901-0691	8		DIODE-PWR RECT 100V 3A 200NS	03508	A115A
CR12	1901-0691	8		DIODE-PWR RECT 100V 3A 200NS	03508	A115A
CR13	1901-0691	8		DIODE-PWR RECT 100V 3A 200NS	03508	A115A
CR14	1901-0969	3	2	DIODE-POWER RECT.	28480	1901-0969
CR15	1901-0969	3		DIODE-POWER RECT.	28480	1901-0969
CR16	1902-3182	0	1	DIODE-ZNR 12.1V 5% DO-35 PD=.4W	28480	1902-3182
CR17	1901-0025	2		DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
CR18	1901-0025	2		DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
CR19	1902-3203	6	1	DIODE-ZNR 14.7V 5% DO-35 PD=.4W	28480	1902-3203
CR20	1901-0025	2		DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
CR21	1901-0025	2		DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
CR22	1902-0555	5	1	DIODE-ZNR 13V 5% PD=1W IR=50A	28480	1902-0555
CR23	1901-0025	2		DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
CR24	1901-0025	2		DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
CR25	1901-1065	2	3	DIODE-PWR RECT 1N4936 400V 1A 200NS	14936	1N4936
CR26	1901-1065	2		DIODE-PWR RECT 1N4936 400V 1A 200NS	14936	1N4936
CR27	1901-1065	2		DIODE-PWR RECT 1N4936 400V 1A 200NS	14936	1N4936
CR28	1902-3191	1	1	DIODE-ZNR 13V 2% DO-35 PD=.4W TC=+.06%	28480	1902-3191
CR29	1901-0025	2		DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
CR30	1906-0080	9	1	DIODE-FW BRDG 600V 10A	28480	1906-0080
A4F1	2110-0004	1	1	FUSE .25A 250V NTD 1.25X.25 UL	28480	2110-0004
F2	2110-0305	5	1	FUSE 1.25A 250V TD 1.25X.25 UL	75915	3131.25
F3	2110-0007	4	1	FUSE 1A 250V TD 1.25X.25 UL	75915	3130.01

See introduction to this section for ordering information  
 \*Indicates factory selected value

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
A4J1	1251-4938	5	1	CONNECTOR 3-PIN M METRIC POST TYPE	28480	1251-4938
J2	1251-3837	1	1	CONNECTOR 4-PIN M UTILITY	28480	1251-3837
A4L1	9100-3139	5	1	INDUCTOR 75UH 15% .5DX.875LG	28480	9100-3139
L2	9140-0758	3	1	INDUCTOR- 787 UH	28480	9140-0758
L3	9140-0171	3	4	INDUCTOR RF-CH-MLD 40UH 10% .296DX.968LG	28480	9140-0171
L4	9140-0171	3		INDUCTOR RF-CH-MLD 40UH 10% .296DX.968LG	28480	9140-0171
L5	9140-0462	5	1	INDUCTOR 355UH	28480	9140-0462
L6	9140-0757	0	1	INDUCTOR- 980 UH	28480	9140-0757
L7	9140-0171	3		INDUCTOR RF-CH-MLD 40UH 10% .296DX.968LG	28480	9140-0171
L8	9140-0463	6	1	INDUCTOR 10MH 6%	28480	9140-0463
L9	9140-0171	3		INDUCTOR RF-CH-MLD 40UH 10% .296DX.968LG	28480	9140-0171
L10	9140-0210	1	1	INDUCTOR RF-CH-MLD 100UH 5% .166DX.385LG	28480	9140-0210
A4Q1	1853-0281	9	3	TRANSISTOR PNP 2N2907A SI TO-18 PD=400MW	04713	2N2907A
Q2	1854-0477	7	5	TRANSISTOR NPN 2N2222A SI TO-18 PD=500MW	04713	2N2222A
Q3	1854-0477	7		TRANSISTOR NPN 2N2222A SI TO-18 PD=500MW	04713	2N2222A
Q4	1854-0477	7		TRANSISTOR NPN 2N2222A SI TO-18 PD=500MW	04713	2N2222A
Q5	1853-0281	9		TRANSISTOR PNP 2N2907A SI TO-18 PD=400MW	04713	2N2907A
Q6	1854-0477	7		TRANSISTOR NPN 2N2222A SI TO-18 PD=500MW	04713	2N2222A
Q7	1853-0281	9		TRANSISTOR PNP 2N2907A SI TO-18 PD=400MW	04713	2N2907A
Q8	1854-0624	6	2	TRANSISTOR NPN 2N6308 SI TO-3 PD=125W	04713	2N6308
Q9	1854-0624	6		TRANSISTOR NPN 2N6308 SI TO-3 PD=125W	04713	2N6308
Q10	1854-0935	2	1	TRANSISTOR-NPN	28480	1854-0935
Q11	1854-0936	3	1	TRANSISTOR-NPN	28480	1854-0936
Q12	1854-0477	7		TRANSISTOR NPN 2N2222A SI TO-18 PD=500MW	04713	2N2222A
A4R1	0683-2235	5	1	RESISTOR 22K 5% .25W FC TC=-400/+800	01121	CB2235
R2	0683-4705	8	3	RESISTOR 47 5% .25W FC TC=-400/+500	01121	CB4705
R3	0683-1005	5	3	RESISTOR 10 5% .25W FC TC=-400/+500	01121	CB1005
R4	0683-1515	2	1	RESISTOR 150 5% .25W FC TC=-400/+600	01121	CB1515
R5	0683-4715	0	3	RESISTOR 470 5% .25W FC TC=-400/+600	01121	CB4715
R6	0683-4715	0		RESISTOR 470 5% .25W FC TC=-400/+600	01121	CB4715
R7	0683-4735	4	2	RESISTOR 47K 5% .25W FC TC=-400/+800	01121	CB4735
R8	0683-4735	4		RESISTOR 47K 5% .25W FC TC=-400/+800	01121	CB4735
R9	0683-4715	0		RESISTOR 470 5% .25W FC TC=-400/+600	01121	CB4715
R10	0683-1525	4	2	RESISTOR 1.5K 5% .25W FC TC=-400/+700	01121	CB1525
R11	0683-1525	4		RESISTOR 1.5K 5% .25W FC TC=-400/+700	01121	CB1525
R12	0683-4705	8		RESISTOR 47 5% .25W FC TC=-400/+500	01121	CB4705
R13	0683-4705	8		RESISTOR 47 5% .25W FC TC=-400/+500	01121	CB4705
R14	2100-3352	7	1	RESISTOR-TRMR 1K 10% C SIDE-ADJ 1-TRN	28480	2100-3352
R15	2100-3274	2	1	RESISTOR-TRMR 10K 10% C SIDE-ADJ 1-TRN	28480	2100-3274
R16	0683-1025	9	1	RESISTOR 1K 5% .25W FC TC=-400/+600	01121	CB1025
R17	0764-0015	7	1	RESISTOR 560 5% 2W MO TC=0+-200	28480	0764-0015
R18	0683-0335	2	2	RESISTOR 3.3 5% .25W FC TC=-400/+500	01121	CB33G5
R19	0683-1005	5		RESISTOR 10 5% .25W FC TC=-400/+500	01121	CB1005
R20	0683-0335	2		RESISTOR 3.3 5% .25W FC TC=-400/+500	01121	CB33G5
R21	0683-1005	5		RESISTOR 10 5% .25W FC TC=-400/+500	01121	CB1005
R22	0683-5615	1	1	RESISTOR 560 5% .25W FC TC=-400/+600	01121	CB5615
R23	0683-1035	1	1	RESISTOR 10K 5% .25W FC TC=-400/+700	01121	CB1035
R24	0683-0275	9	4	RESISTOR 2.7 5% .25W FC TC=-400/+500	01121	CB27G5
R25	0683-0275	9		RESISTOR 2.7 5% .25W FC TC=-400/+500	01121	CB27G5
R26	0683-0275	9		RESISTOR 2.7 5% .25W FC TC=-400/+500	01121	CB27G5
R27	0683-0275	9		RESISTOR 2.7 5% .25W FC TC=-400/+500	01121	CB27G5
R28	0766-0033	3	1	RESISTOR 2K 2% 3W MO TC=0+-250	27167	FP3-3-250-2001-G
R29	0761-0004	8	1	RESISTOR 20K 5% 1W MO TC=0+-200	28480	0761-0004
R30	0699-1057	4	1	RESISTOR 15 10% 3W	28480	0699-1057
R31	0686-3945	2	1	RESISTOR 390K 5% .5W CC TC=0+882	01121	EB3945
R32	0683-5635	5	1	RESISTOR 56K 5% .25W FC TC=-400/+800	01121	CB5635
R33	0686-1055	1	1	RESISTOR 1M 5% .5W CC TC=0+1000	01121	EB1055
R34	0698-3657	8	2	RESISTOR 68K 5% 2W MO TC=0+-200	27167	FP42-2-T00-6802-J
R35	0698-3657	8		RESISTOR 68K 5% 2W MO TC=0+-200	27167	FP42-2-T00-6802-J
R36	0811-1670	3	1	RESISTOR 2.2 5% 2W PW TC=0+-400	75042	BWH2-2R2-J
A4RT1	0839-0006	5	1	THERMISTOR DISC	28480	0839-0006
A4RV1	0837-0237	0	1	VARISTOR	28480	0837-0237
RV2	0837-0106	2	1	VARISTOR	28480	0837-0106
A4T1	9100-4287	1	1	TRANSFORMER-POWER	28480	9100-4287
T2	9100-0857	8	1	TRANSFORMER-PULSE 114H1	28480	9100-0857
T3	9100-4293	2	1	TRANSFORMER-PULSE	28480	9100-4293
A4U1	1813-0255	3	1	IC-REGULATOR HYBRID	28480	1813-0255
A4W1	8159-0005	0	1	RESISTOR-ZERO OHMS 22 AWG LEAD DIA	28480	8159-0005
				MISCELLANEOUS PARTS		
				TERMINAL-STUD SPCL-FDTHRU PRESS-MTG	98291	011-6809 000 209
				TERMINAL-STUD SPCL-FDTHRU PRESS-MTG	28480	0340-0092
				TERMINAL-STUD SPCL-FDTHRU PRESS-MTG	28480	0340-0220
				SPACER-RND .188-IN-LG .194-IN-ID	28480	0380-0465
				FUSEHOLDER-CLIP TYPE.25D-FUSE	28480	2110-0269

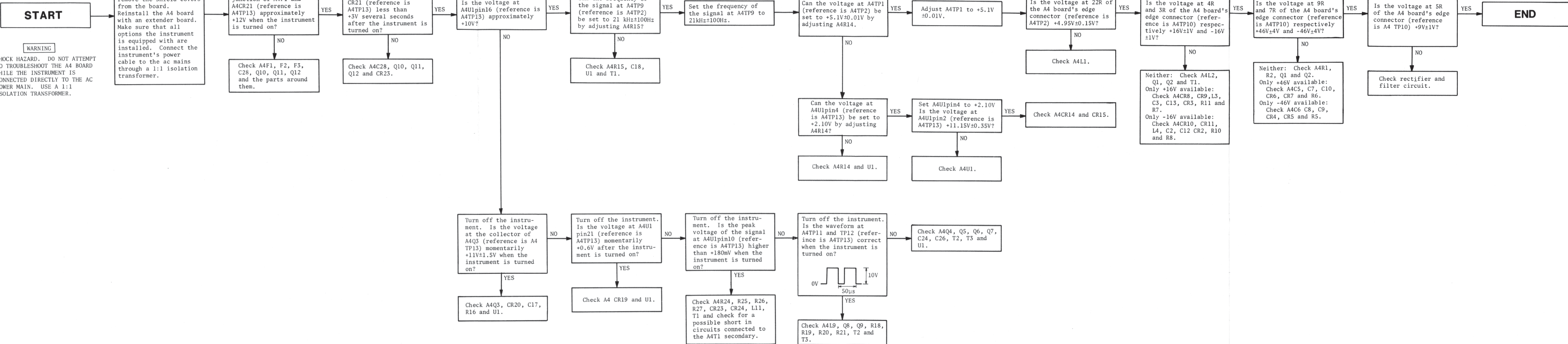
See introduction to this section for ordering information  
 \*Indicates factory selected value

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
	2360-0115	4	6	SCREW-MACH 6-32 .312-IN-LG PAN-HD-POZI	00000	ORDER BY DESCRIPTION
	2740-0003	5	1	NUT-HEX-W/LKWR 10-32-THD .125-IN-THK	00000	ORDER BY DESCRIPTION
	04276-01204	4	1	ANGLE (HEATSINK)	28480	04276-01204

See introduction to this section for ordering information  
 \*Indicates factory selected value

Flow Diagram A4 - 1



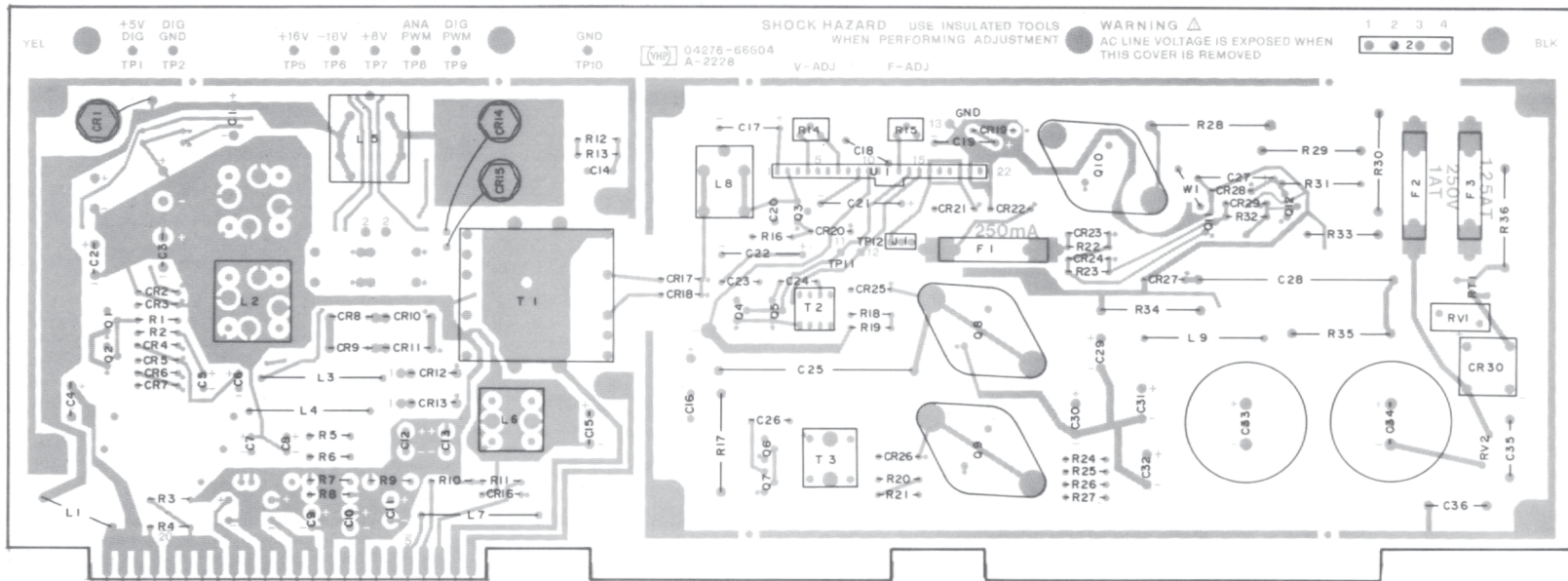


Figure 8-XX. A4 POWER SUPPLY Board Assembly Component Locations.

[illegible]

1. REFERENCE DESIGNATORS WITHIN THIS ASSEMBLY ARE ABBREVIATED. PREFIX ABBREVIATION WITH ASSEMBLY NUMBER FOR COMPLETE REFERENCE DESIGNATOR.

RESISTANCE IN OHMS ( $\Omega$ )  
CAPACITANCE IN MICROFARADS ( $\mu F$ )  
INDUCTANCE IN MICROHENRIES ( $\mu H$ )