

6-12. ATTENUATOR EXCHANGE PROGRAM.

6-13. The repair of the attenuator used in the -hp- 3336 with Option 005 is not easy and is best done at the factory by experienced personnel. Furthermore, the equipment needed to verify the attenuator accuracy after it is repaired is expensive and not always immediately available. For these reasons an exchange program has been established that allows the customer to trade his bad attenuator for a fully certified rebuilt attenuator at a reasonable cost. For more information, contact your nearest -hp- Sales and Service Office and ask about the Blue Stripe Exchange program. A list of Sales and Service Offices can be found at the back of this manual.

Table 6-1. List of Abbreviations.

ABBREVIATIONS			
Ag	silver	Hz	hertz (cycles) per second
Al	aluminum	ID	inside diameter
A	ampere(s)	img	impregnated
Au	gold	incd	incandescent
C	capacitor	ins	insulation(s)
cer	ceramic	kΩ	kiloohm(s) = 10 ³ ohms
coef	coefficient	kHz	kiloherzt = 10 ³ hertz
com	common	L	inductor
comp	composition	lin	linear taper
conn	connection	log	logarithmic taper
dep	deposited	mA	milliampere(s) = 10 ⁻³ amperes
DPDT	double-pole double-throw	MHZ	megahertz = 10 ⁶ hertz
DPST	double-pole single-throw	MΩ	megaohm(s) = 10 ⁶ ohms
elect	electrolytic	met film	metal film
encap	encapsulated	mfr.	manufacturer
F	farad(s)	ms	millisecond
FET	field effect transistor	mtg	mounting
fxd	fixed	mV	millivolt(s) = 10 ⁻³ volts
GaAs	gallium arsenide	μF	microfarad(s)
GHz	gigahertz = 10 ⁹ hertz	μs	microsecond(s)
gd	guarded	μV	microvolt(s) = 10 ⁻⁶ volts
Ge	germanium	my	Mylar (®)
gnd	ground(terminal)	nA	nanoampere(s) = 10 ⁻⁹ amperes
H	henry(ies)	NC	normally closed
Hg	mercury	Ne	neon
		NO	normally open
		NPO	negative positive zero (zero temperature coefficient)
		ns	nanosecond(s) = 10 ⁻⁹ seconds
		nrs	not separately replaceable
		Ω	ohm(s)
		obd	order by description
		OD	outside diameter
		p	peak
		pA	picoampere(s)
		pc	printed circuit
		pF	picofarad(s) 10 ⁻¹² farads
		piv	peak inverse voltage
		p/o	part of
		pos	position(s)
		poly	polystyrene
		pot	potentiometer
		p-p	peak-to-peak
		ppm	parts per million
		prec.	precision (temperature coefficient, long term stability and/or tolerance)
		R	resistor
		Rh	rhodium
		rms	root-mean-square
		rot	rotary
		Se	selenium
		sect	section(s)
		Si	silicon
		sl	slide
		SPDT	single pole double-throw
		SPST	single-pole single-throw
		Ta	tantalum
		TC	temperature coefficient
		TiO ₂	titanium dioxide
		tog	toggle
		tol	tolerance
		trim	trimmer
		TSTR	transistor
		V	volt(s)
		vacw	alternating current working voltage
		var	variable
		vcw	direct current working voltage
		W	watt(s)
		w/	with
		wiv	working inverse voltage
		w/o	without
		ww	wirewound
		*	optimum value selected at factory, average value shown (part may be omitted)
		**	no standard type number assigned selected or special type
			® Dupont de Nemours

DESIGNATORS			
A	assembly	FL	filter
B	motor	HR	heater
BT	battery	IC	integrated circuit
C	capacitor	J	jack
CR	diode or thyristor	K	relay
DL	delay line	L	inductor
DS	lamp	M	meter
E	misc electronic part	MP	mechanical part
F	fuse	P	plug
		Q	transistor
		QCR	transistor-diode
		R(p)	resistor(pack)
		RT	thermistor
		S	switch
		T	transformer
		TB	terminal board
		TC	thermocouple
		TP	test point
		TS	terminal strip
		U	microcircuit
		V	vacuum tube, neon bulb, photocell, etc.
		W	wire
		X	socket
		XDS	lampholder
		XF	fuseholder
		Y	crystal
		Z	network

Table 6-2. Code List of Manufacturers.

Mfr. No.	Manufacturer Name	Address
01121	Allen-Bradley Co.	Milwaukee, WI 53204
01295	Texas Instr Inc Semicond Cmpnt Div.	Dallas, TX 75222
01928	RCA Corp Solid State Div.	Somerville, NJ 08876
03888	KDI Pyrofilm Corp.	Whippany, NJ 07981
04713	Motorola Semiconductor Products	Phoenix, AZ 85062
07263	Fairchild Semiconductor Div.	Mountain View, CA 94042
07716	TRW Inc Burlington Div.	Burlington, IA 52601
13606	Sprague Elect Co. Semiconductor Div.	Concord, NH 03301
18324	Signetics Corp.	Sunnyvale, CA 94086
19701	Mepco/Electra Corp.	Mineral Wells, TX 76067
20932	Emcon Div. ITW	San Diego, CA 92129
24046	Transitron Electronic Corp.	Wakefield, MA 01880
24546	Corning Glass Works (Bradford)	Bradford, PA 16701
26654	Varadyne Inc.	Santa Monica, CA 90404
27014	National Semiconductor Corp.	Santa Clara, CA 95051
28480	Hewlett-Packard Co. Corporate Hq.	Palo Alto, CA 94304
32293	Intersil Inc.	Cupertino, CA 95014
32997	Bourns Inc. Trimpot Prod. Div.	Riverside, CA 92507
34335	Advanced Micro Devices Inc.	Sunnyvale, CA 94086
51642	Centre Engineering Inc.	State College, PA 16801
56289	Sprague Electric Co.	North Adams, MA 01247
72136	Electro Motive Corp. Sub IEC	Willimantic, CT 06226
74970	Johnson E F Co.	Waseca, MN 56093
75042	TRW Inc. Philadelphia Div.	Philadelphia, PA 19108
75915	Littelfuse Inc.	Des Plaines, IL 60016
84411	TRW Capacitor Div.	Ogallala, NE 69153
91637	Dale Electronics Inc.	Columbus, NE 68601

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
A2	03325-66502	9	1	POWER SUPPLY P.C. ASSEMBLY	28480	03325-66502
A2C1	0160-3508	9	4	CAPACITOR-FXD 1UF +80-20% 50VDC CER	28480	0160-3508
A2C2	0160-3508	9	4	CAPACITOR-FXD 1UF +80-20% 50VDC CER	28480	0160-3508
A2C3	0160-3558	9	2	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A2C4	0160-3558	9	2	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A2C5	0180-2635	3	2	CAPACITOR-FXD 1000UF+50-10% 35VDC AL	28480	0180-2635
A2C6	0160-3508	9	4	CAPACITOR-FXD 1UF +80-20% 50VDC CER	28480	0160-3508
A2C7	0180-4610	4	1	CAPACITOR-FXD 4.7UF+-20% 10VDC TA	56289	1500475X0010A2
A2C8	0180-2635	3	1	CAPACITOR-FXD 1000UF+50-10% 35VDC AL	28480	0180-2635
A2C9	0180-4610	4	1	CAPACITOR-FXD 4.7UF+-20% 10VDC TA	28480	0180-4610
A2C10	0160-3847	9	2	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A2C11	0160-3508	9	4	CAPACITOR-FXD 1UF +80-20% 50VDC CER	28480	0160-3508
A2C12	0160-4571	8	1	CAPACITOR-FXD .1UF +80-20% 50VDC CER	28480	0160-4571
A2C14	0180-1701	2	1	CAPACITOR-FXD 6.8UF+-20% 6VDC TA	56289	1500685X0006A2
A2C15	0160-3847	9	1	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A2C16	0180-2823	1	1	CAPACITOR-FXD 470UF+50-10% 6.3VDC AL	28480	0180-2823
A2C17	0180-0423	3	2	CAPACITOR-FXD 100UF+50-10% 25VDC AL	28480	0180-0423
A2C18	0180-0423	3	1	CAPACITOR-FXD 100UF+50-10% 25VDC AL	28480	0180-0423
A2C19	0180-3008	6	1	CAPACITOR-FXD 470 UF 35V	28480	0180-3008
A2C20	0180-2823	1	1	CAPACITOR-FXD 470 UF 6.3V	28480	0180-2823
A2CR1	1901-0662	3	4	DIODE-PWR RECT 100V 6A	04713	WR751
A2CR2	1901-0662	3	3	DIODE-PWR RECT 100V 6A	04713	WR751
A2CR3	1901-0662	3	3	DIODE-PWR RECT 100V 6A	04713	WR751
A2CR4	1901-0662	3	3	DIODE-PWR RECT 100V 6A	04713	WR751
A2CR5	1902-0025	4	1	DIODE-ZNR 10V 5% DO-7 PD=.4W TC=+.06%	28480	1902-0025
A2CR7	1902-3214	1	1	DIODE-BKDN 16.2V	28480	1902-3214
A2CR8	1901-0040	1	5	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A2CR9	1902-0777	3	1	DIODE-ZNR 1N825 6.2V 5% DO-7 PD=.4W	04713	1N825
A2CR10	1884-0266	5	1	THYRISTOR-SCR 2N6400 TO-220AB VRRM=50	01928	2N6400
A2CR12	1901-0040	1	1	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A2CR13	1901-0040	1	1	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A2CR14	1901-0040	1	1	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A2CR15	1901-0518	8	1	DIODE-SCHOTTKY	28480	1901-0518
A2CR16	1901-0040	1	1	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A2CR17	1901-0535	1	1	DIODE 5M SIG 10V	28480	1901-0535
A2CR18	1901-0518	1	1	DIODE 70V 410MW	28480	1901-0518
A2F2	2110-0702	1	1	FUSE .5A 250V SLO-BLO 1.25X.25 UL	75915	313.500
A2J2	1200-0661	6	2	SOCKET-XSTR 3-CONT	28480	1200-0661
A2J3	1200-0661	6	2	SOCKET-XSTR 3-CONT	28480	1200-0661
A2K1	0490-0745	9	1	RELAY 1C 6VDC-COIL 1A 115VAC	28480	0490-0745
A2L1	9100-3807	4	1	COIL-MLD 110MH 5% Q=50 .155DX.375LG-NOM	28480	9100-3807
A2P1	1251-3638	0	1	CONNECTOR 6-PIN M POST TYPE	28480	1251-3638
A2P2	1251-3750	7	2	CONNECTOR 10-PIN M POST TYPE	28480	1251-3750
A2P3	1251-3750	7	2	CONNECTOR 10-PIN M POST TYPE	28480	1251-3750
A2P4	1251-4246	8	1	CONNECTOR 3-PIN M POST TYPE	28480	1251-4246
A2Q4	1854-0094	4	1	TRANSISTOR NPN SI PD=200MW FT=350MHZ	28480	1854-0094
A2Q5	1853-0089	5	1	TRANSISTOR PNP 2N4917 SI PD=200MW	07263	2N4917
A2Q6	1854-0215	1	2	TRANSISTOR NPN SI PD=350MW FT=300MHZ	04713	2N3904
A2Q7	1853-0089	5	1	TRANSISTOR PNP 2N4917 SI PD=200MW	07263	2N4917
A2Q8	1854-0215	1	1	TRANSISTOR NPN SI PD=350MW FT=300MHZ	04713	2N3904
A2Q9	1854-0071	7	1	TRANSISTOR NPN SI PD=300MW FT=200MHZ	28480	1854-0071
A2Q10	1854-0692	8	1	TRANSISTOR NPN SI PD=15A FT=50MHZ	04713	4JE223
A2Q11	1853-0089	5	1	TRANSISTOR PNP 2N4917 SI PD=200MW	07263	2N4917
A2R1	0757-0283	6	2	RESISTOR 2K 1% .125W F TC=0+-100	24546	C4=1/8-T0=2001-F
A2R2	0757-0283	6	2	RESISTOR 2K 1% .125W F TC=0+-100	24546	C4=1/8-T0=2001-F
A2R3	06A3-2035	3	3	RESISTOR 20K 5% .25W FC TC=400/+800	01121	C82035
A2R4	0811-2546	4	2	RESISTOR .56 5% .5W PW TC=0+-300	75042	BW=20-1/2-R56-J
A2R5	06A3-3925	2	1	RESISTOR 3.9K 5% .25W FC TC=400/+700	01121	C83925
A2R6	0757-0280	3	2	RESISTOR 1K 1% .125W F TC=0+-100	24546	C4=1/8-T0=1001-F
A2R7	0757-0280	3	2	RESISTOR 1K 1% .125W F TC=0+-100	24546	C4=1/8-T0=1001-F
A2R8	06A3-2035	3	3	RESISTOR 20K 5% .25W FC TC=400/+800	01121	C82035
A2R9	06A3-1025	9	2	RESISTOR 1K 5% .25W FC TC=400/+600	01121	C81025
A2R10	0811-0548	2	1	RESISTOR .47 5% .5W	28480	0811-0548
A2R11	06A3-1025	9	1	RESISTOR 1K 5% .25W FC TC=400/+600	01121	C81025
A2R12	06A3-4715	0	1	RESISTOR 470 5% .25W FC TC=400/+600	01121	C84715
A2R13	06A3-1525	4	1	RESISTOR 1.5K 5% .25W FC TC=400/+700	01121	C81525
A2R14	06A3-1015	7	4	RESISTOR 100 5% .25W FC TC=400/+500	01121	C81015
A2R15	0757-0404	3	1	RESISTOR 130 1%	28480	0757-0404
A2R16	0757-0441	8	1	RESISTOR 8.25K 1% .125W F TC=0+-100	24546	C4=1/8-T0=8251-F
A2R17	0757-0460	1	1	RESISTOR 61.9K 1% .125W F TC=0+-100	24546	C4=1/8-T0=6192-F
A2R18	06A3-5125	8	1	RESISTOR 5.1K 5% .25W FC TC=400/+700	01121	C85125
A2R19	06A3-2705	4	1	RESISTOR 27 5% .25W FC TC=400/+500	01121	C82705
A2R20	0698-6360	6	2	RESISTOR 10K 1% .125W F TC=0+-25	28480	0698-6360

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
A2R21	06A3-1015	7		RESISTOR 100 5% .25W FC TC=400/+500	01121	CB1015
A2R22	2100-3296	8	1	RESISTOR-TRMR 1K 10% C TOP-ADJ 17-TRN	28480	2100-3296
A2R23	0698-6619	8	1	RESISTOR 15K .1% .125W F TC=0+-25	28480	0698-6619
A2R24	0698-6320	8	1	RESISTOR 5K .1% .125W F TC=0+-25	03888	PM55-1/8-T9-5001-B
A2R25	06A3-1015	7		RESISTOR 100 5% .25W FC TC=400/+500	01121	CB1015
A2R26	0698-8191	5	1	RESISTOR 12.5K .1% .125W F TC=0+-25	19701	MF4C1/8-T9-1252-B
A2R27	069A-8060	7	1	RESISTOR 8.64K .1% .125W F TC=0+-25	19701	MF4C1/8-T9-8641-B
A2R28	069A-3512	4	1	RESISTOR 1.18K 1% .125W F TC=0+-100	24546	C4-1/8-T0-1181-F
A2R29	06A3-1015	7		RESISTOR 100 5% .25W FC TC=400/+500	01121	CB1015
A2R30	06A3-1035	1	1	RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
A2R31	06A3-4725	2	1	RESISTOR 4.7K 5% .25W FC TC=400/+700	01121	CB4725
A2R32	069A-8360	6		RESISTOR 10K .1% .125W F TC=0+-25	28480	069A-8360
A2R33	06A3-1045	3	1	RESISTOR 100K 5% .25W FC TC=400/+800	01121	CB1045
A2R34	06A3-2035	3		RESISTOR 20K 5% .25W FC TC=400/+800	01121	CB2035
A2R35	0686-5115	2	1	RESISTOR 510 5%	28480	0686-5115
A2R37	06A6-5115	2	1	RESISTOR 510 5% .5W CC TC=0+529	01121	EB5115
A2R41	0683-1005	5	1	RESISTOR 10 5% .25W	28480	0683-1005
A2R42	0683-1625	5	1	RESISTOR 1600 5% .25W	28480	0683-1625
A2R43	0683-3025	3	1	RESISTOR 3000 5% .25W	28480	0683-3025
A2S1	3101-1162	6	1	SWITCH-SL SPDT MINTR .5A 125VAC/DC PC	28480	3101-1162
A2S2	3101-2042	3	1	SWITCH-SL DPDT STD PA 250VAC SLDR-LUG	28480	3101-2042
A2U1	1906-0096	7	1	DIODE-FW BRDG 200V 2A	04713	MDA202
A2U2	1A26-0346	0	3	IC OP AMP GP DUAL 8-DIP-P	27014	LM358N
A2U3	1A26-0346	0		IC OP AMP GP DUAL 8-DIP-P	27014	LM358N
A2U4	1A26-0346	0		IC OP AMP GP DUAL 8-DIP-P	27014	LM358N
A2V1	0837-0120	0	1	VARISTOR 130V	28480	0837-0120
A2XF2	2110-0269	0	1	FUSEHOLDER-CLIP TYPE .25D-FUSE	28480	2110-0269
MECHANICAL PARTS						
A2MP1	03325-61101		1	HT SINK ASSY	28480	03325-61101
A2MP2	03325-21101		1	HT SINK	28480	03325-21101
A2MP3	0340-0564		3	INSUL - XSTR	28480	0340-0564
A2Q1	1853-0453		1	XSTR PNP SI	01698	TIP36
A2Q2	1854-0800		1	XSTR NPN SI	28480	1854-0800
A2Q3	1853-0450		1	XSTR PNP SI	02037	MJE371K
A2Q12	1853-0450	4	1	TRANSISTOR MJE371K	28480	1853-0450
A2Q13	1853-0066	8	1	TRANSISTOR 2N4250	28480	1853-0066
	7120-6712		1	LBL WARNING	28480	7120-6712
	0340-0620		1	INSULATOR	28480	0340-0620

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
A3	03336-66503	3	1	FREQ. REF P.C. ASSEMBLY	28480	03336-66503
A3C1	0160-3558	9	8	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A3C2	0160-3847	9	32	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C3	0160-0362	7	2	CAPACITOR-FXD 510PF +-5% 300VDC MICA	28480	0160-0362
A3C4	0160-0362	7	2	CAPACITOR-FXD 510PF +-5% 300VDC MICA	28480	0160-0362
A3C6	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C7	0160-2204	0	1	CAPACITOR-FXD 100PF +-5% 300VDC MICA	28480	0160-2204
A3C8	0160-0228	6	1	CAPACITOR-FXD 22UF+-10% 15VDC TA	56289	150D226X9015B2
A3C9	0160-3558	9	9	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A3C11	0160-0174	9	1	CAPACITOR-FXD .47UF +-20% 25VDC CER	28480	0160-0174
A3C12	0140-0191	8	1	CAPACITOR-FXD 56PF +-5% 300VDC MICA	72136	DM15E360J0300MV1CR
A3C13	0140-0199	5	1	CAPACITOR-FXD 240PF +-5% 300VDC MICA	72136	DM15F241J0300AV1CR
A3C14	0160-2264	2	2	CAPACITOR-FXD 20PF +-5% 500VDC CER 0+-30	28480	0160-2264
A3C16	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C17	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C18	0140-0204	4	1	CAPACITOR-FXD 47PF +-5% 500VDC MICA	72136	DM15E470J0500AV1CR
A3C19	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C21	0160-0197	8	2	CAPACITOR-FXD 2.2UF+-10% 20VDC TA	56289	150D225X9020A2
A3C22	0160-0197	8	2	CAPACITOR-FXD 2.2UF+-10% 20VDC TA	56289	150D225X9020A2
A3C23	0160-1746	5	6	CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C24	0160-3558	9	9	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A3C26	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C27	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C28	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C29	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C31	0160-0229	7	1	CAPACITOR-FXD 33UF+-10% 10VDC TA	56289	150D336X9010B2
A3C32	0160-1746	5	5	CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C33	0160-3558	9	9	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A3C34	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C36	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C37	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C38	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C39	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C41	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C42	0160-3520	5	1	CAPACITOR-FXD 75PF +-1% 100VDC MICA	28480	0160-3520
A3C43	0160-2261	9	1	CAPACITOR-FXD 15PF +-5% 500VDC CER 0+-30	28480	0160-2261
A3C44	0160-2255	1	1	CAPACITOR-FXD 8.2PF +-25PF 500VDC CER	28480	0160-2255
A3C46	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C47	0160-3085	7	1	CAPACITOR-FXD 510PF +-1% 300VDC MICA	28480	0160-3085
A3C49	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C51	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C52	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C53	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C54	0140-0196	3	1	CAPACITOR-FXD 150PF +-5% 300VDC MICA	72136	DM15F151J0300AV1CR
A3C56	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C57	0160-2265	3	2	CAPACITOR-FXD 22PF +-5% 500VDC CER 0+-30	28480	0160-2265
A3C58	0160-2265	3	3	CAPACITOR-FXD 22PF +-5% 500VDC CER 0+-30	28480	0160-2265
A3C59	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C61	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C101	0160-3558	9	9	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A3C106	0160-2252	8	1	CAPACITOR-FXD 6.2PF +-25PF 500VDC CER	28480	0160-2252
A3C107	0160-2266	4	1	CAPACITOR-FXD 24PF +-5% 500VDC CER 0+-30	28480	0160-2266
A3C108	0160-1746	5	5	CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C109	0160-2201	7	1	CAPACITOR-FXD 51PF +-5% 300VDC MICA	28480	0160-2201
A3C111	0160-2264	2	2	CAPACITOR-FXD 20PF +-5% 500VDC CER 0+-30	28480	0160-2264
A3C112	0160-2307	4	2	CAPACITOR-FXD 47PF +-5% 300VDC MICA	28480	0160-2307
A3C113	0160-2260	8	1	CAPACITOR-FXD 13PF +-5% 500VDC CER 0+-30	28480	0160-2260
A3C114	0160-2307	4	4	CAPACITOR-FXD 47PF +-5% 300VDC MICA	28480	0160-2307
A3C116	0160-1746	5	5	CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C117	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C118	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C119	0160-3847	9	9	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C120	0160-2244	8	3	CAPACITOR-FXD 3PF +-25PF 500VDC CER	28480	0160-2244
A3C121	0140-0190	7	4	CAPACITOR-FXD 39PF +-5% 300VDC MICA	72136	DM15E390J0300AV1CR
A3C122	0160-2251	7	2	CAPACITOR-FXD 5.6PF +-25PF 500VDC CER	28480	0160-2251
A3C123	0140-0190	7	7	CAPACITOR-FXD 39PF +-5% 300VDC MICA	72136	DM15E390J0300AV1CR
A3C124	0160-2244	8	8	CAPACITOR-FXD 3PF +-25PF 500VDC CER	28480	0160-2244
A3C126	0140-0190	7	7	CAPACITOR-FXD 39PF +-5% 300VDC MICA	72136	DM15E390J0300AV1CR
A3C127	0160-2251	7	7	CAPACITOR-FXD 5.6PF +-25PF 500VDC CER	28480	0160-2251
A3C128	0140-0190	7	7	CAPACITOR-FXD 39PF +-5% 300VDC MICA	72136	DM15E390J0300AV1CR
A3C129	0160-2244	8	8	CAPACITOR-FXD 3PF +-25PF 500VDC CER	28480	0160-2244

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
A3C151	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C152	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C153	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C154	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C156	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C157	0160-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C158	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A3C201	0160-0128	3	1	CAPACITOR-FXD 2.2UF +-20% 50VDC CER	28480	0160-0128
A3C202	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A3C203	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A3C204	0160-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A3C205	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A3C206	0160-4383	0	1	CAPACITOR-FXD 6.8PF +-5% 200VDC CER	20932	5024E0200RD689D
A3C207	0160-4386	3	1	CAPACITOR-FXD 33PF +-5% 200VDC CER 0+-30	51642	200-200-NPO-330J
A3C208	0160-0570	9	1	CAPACITOR-FXD 220PF +-20% 100VDC CER	20932	5024EM100RD221M
A3C209	0160-0576	5	1	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-0576
A3C210	0160-3877	5	1	CAPACITOR-FXD 100PF +-20% 200VDC CER	28480	0160-3877
A3C211	0160-4441	1	1	CAPACITOR-FXD .47UF +-10% 50VDC CER	28480	0160-4441
A3C300	0160-3874	2	1	CAPACITOR-FXD 10PF +-5% 200VDC CER	28480	0160-3874
A3CR1	1901-0040	1	2	DIODE-SWITCHING 30V 50MA 2N8 DO-35	28480	1901-0040
A3CR2	1901-0040	1	2	DIODE-SWITCHING 30V 50MA 2N8 DO-35	28480	1901-0040
A3CR3	1901-0518	8	2	DIODE-SCHOTTKY	28480	1901-0518
A3CR4	1901-0518	8	2	DIODE-SCHOTTKY	28480	1901-0518
A3CR6	1902-3149	9	1	DIODE-ZNR 9.09V 5% DO-7 PDM.4W TCR+.057%	28480	1902-3149
A3CR7	1902-3030	7	1	DIODE-ZNR 3.01V 5% DO-7 PDM.4W TCR-.067%	28480	1902-3030
A3CR8	0122-0089	5	1	DIODE-SWG 29PF 10% C3/C25-MIN=5 SVR=30V	04713	MV109
A3CR9	1901-0040	1	1	DIODE-SVC 30V 2 PF	28480	1901-0040
A3CR10	1901-0040	1	1	DIODE SWG 30V 2 PF	28480	1901-0040
A3CR101	1906-0207	2	1	DIODE-MATCHED	28480	1906-0207
A3J1	1251-2969	8	1	CONNECTOR	28480	1251-2969
A3J3	1251-2969	8	9	CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
A3J5	1251-2969	8	8	CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
A3J6	1251-2969	8	8	CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
A3J7	1251-2969	8	8	CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
A3J8	1251-2969	8	8	CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
A3J9	1251-2969	8	8	CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
A3J10	1251-2969	8	8	CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
A3J11	1251-2969	8	8	CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
A3J15	1251-2969	8	8	CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
A3J19	1251-4822	6	1	CONNECTOR 3-PIN M POST TYPE	28480	1251-4822
A3J20	1258-0141	8	1	CONNECTOR	28480	1258-0141
A3L1	9100-3551	5	1	COIL-MLD 1UH 5% Q=50 .155DX.375LG-NOM	28480	9100-3551
A3L2	9100-3458	1	5	CHOKE, WIDE BAND	28480	9100-3458
A3L3	9140-0210	1	5	COIL-MLD 100UH 5% Q=50 .155DX.375LG-NOM	28480	9140-0210
A3L4	9140-0210	1	1	COIL-MLD 100UH 5% Q=50 .155DX.375LG-NOM	28480	9140-0210
A3L5	9170-0894	0	3	CORE-SHIELDING BEAD	28480	9170-0894
A3L6	9140-0210	1	1	COIL-MLD 100UH 5% Q=50 .155DX.375LG-NOM	28480	9140-0210
A3L7	9140-0210	1	1	COIL-MLD 100UH 5% Q=50 .155DX.375LG-NOM	28480	9140-0210
A3L8	9100-3560	6	1	COIL-MLD 5.6UH 5% Q=45 .155DX.375LG-NOM	28480	9100-3560
A3L9	9140-0253	2	1	COIL-MLD 300NH 1% Q=45 .155DX.375LG-NOM	28480	9140-0253
A3L10	9100-3458	1	1	CHOKE, WIDE BAND	28480	9100-3458
A3L101	9100-3458	1	1	CHOKE, WIDE BAND	28480	9100-3458
A3L102	9100-3458	1	1	CHOKE, WIDE BAND	28480	9100-3458
A3L103	9140-0265	6	2	COIL-MLD 1.6UH 5% Q=33 .155DX.375LG-NOM	28480	9140-0265
A3L104	9100-3552	6	1	COIL-MLD 1.5UH 5% Q=33 .155DX.375LG-NOM	28480	9100-3552
A3L105	9140-0349	7	1	COIL-MLD 1.1UH 5% Q=33 .155DX.375LG-NOM	28480	9140-0349
A3L106	9140-0265	6	2	COIL-MLD 1.6UH 5% Q=33 .155DX.375LG-NOM	28480	9140-0265
A3L107	9100-0539	3	2	COIL-MLD 10UH 5% Q=55 .155DX.375LG-NOM	28480	9100-0539
A3L108	9170-0894	0	2	CORE-SHIELDING BEAD	28480	9170-0894
A3L109	9170-0894	0	2	CORE-SHIELDING BEAD	28480	9170-0894
A3L111	9100-3315	9	2	COIL-MLD 820NH 5% .155DX.375LG-NOM	28480	9100-3315
A3L112	9100-3315	9	2	COIL-MLD 820NH 5% .155DX.375LG-NOM	28480	9100-3315
A3L113	9100-3546	8	4	COIL-MLD 1.3UH 5% Q=33 .155DX.375LG-NOM	28480	9100-3546
A3L114	9100-3546	8	8	COIL-MLD 1.3UH 5% Q=33 .155DX.375LG-NOM	28480	9100-3546
A3L116	9100-3546	8	8	COIL-MLD 1.3UH 5% Q=33 .155DX.375LG-NOM	28480	9100-3546
A3L117	9100-3546	8	8	COIL-MLD 1.3UH 5% Q=33 .155DX.375LG-NOM	28480	9100-3546
A3L118	9100-3345	1	1	INDUCTOR 2UH 5%	28480	9100-3345
A3L181	9100-3458	1	1	CHOKE, WIDE BAND	28480	9100-3458
A3L182	9100-0539	3	1	COIL-MLD 10UH 5% Q=55 .155DX.375LG-NOM	28480	9100-0539
A3L183	9140-0210	1	1	COIL-MLD 100UH 5% Q=50 .155DX.375LG-NOM	28480	9140-0210
A3L194	9100-3562	8	2	COIL-MLD 4.7UH 5% Q=33 .155DX.375LG-NOM	28480	9100-3562
A3L195	9100-3562	8	2	COIL-MLD 4.7UH 5% Q=33 .155DX.375LG-NOM	28480	9100-3562
A3Q1	1853-0448	0	3	TRANSISTOR PNP SI TO-92 PD=625MW	04713	MP8H81
A3Q2	1855-0081	1	1	TRANSISTOR J-FET N-CHAN D-MODE SI	01295	2N5245
A3Q3	1853-0089	5	1	TRANSISTOR PNP 2N4917 SI PD=200MW	07263	2N4917
A3Q6	1854-0215	1	1	TRANSISTOR NPN SI PD=350MW FT=300MHZ	04713	2N3904
A3Q101	1853-0448	0	3	TRANSISTOR PNP SI TO-92 PD=625MW	04713	MP8H81

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
A1D102	1853-044A	0		TRANSISTOR PNP SI TO-92 PD=625mA	04713	MP8H81
A1D201	1854-0795	2	3	TRANSISTOR NPN SI TO-92 PD=625mA	04713	MP8H10
A3Q202	1854-0215	1	1	TRANSISTOR 2N3904	28480	1854-0215
A3Q203	1854-0215	1	1	TRANSISTOR 2N3904	28480	1854-0215
A3R1	06A3-4705	8	A	RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
A3R2	06A8-3432	7	1	RESISTOR 26.1 1% .125W F TC=0/+100	03888	PME55-1/8-T0-26R1-F
A3R3	0757-0398	4	1	RESISTOR 75 1% .125W F TC=0/+100	24546	C4-1/8-T0-75R0-F
A3R6	06A3-2225	3	4	RESISTOR 2.2K 5% .25W FC TC=400/+700	01121	CB2225
A3R7	06A8-3439	4	6	RESISTOR 17R 1% .125W F TC=0/+100	24546	C4-1/8-T0-17R8-F
A3R8	0757-0397	3	5	RESISTOR 68.1 1% .125W F TC=0/+100	24546	C4-1/8-T0-68R1-F
A3R9	06A3-4715	0	2	RESISTOR 470 5% .25W FC TC=400/+600	01121	CB4715
A3R10	0757-0401	0	5	RESISTOR 100 1% .125W F TC=0/+100	24546	C4-1/8-T0-101-F
A3R11	0757-0397	3	3	RESISTOR 68.1 1% .125W F TC=0/+100	24546	C4-1/8-T0-68R1-F
A3R12	06A3-1245	5	1	RESISTOR 120K 5% .25W FC TC=400/+900	01121	CB1245
A3R13	06A3-0725	2	1	RESISTOR 4.7K 5% .25W FC TC=400/+700	01121	CB4725
A3R14	06A3-1025	9	11	RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
A3R16	06A3-1025	9	9	RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
A3R17	06A3-2225	3	3	RESISTOR 2.2K 5% .25W FC TC=400/+700	01121	CB2225
A3R1A	0757-0442	9	4	RESISTOR 10K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1002-F
A3R19	06A3-1045	3	3	RESISTOR 100K 5% .25W FC TC=400/+800	01121	CB1045
A3R21	06A3-1025	9	2	RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
A3R22	0757-0279	0	1	RESISTOR 3.16K 1% .125W F TC=0/+100	24546	C4-1/8-T0-3161-F
A3R23	0757-0438	3	1	RESISTOR 5.11K 1% .125W F TC=0/+100	24546	C4-1/8-T0-5111-F
A3R24	06A3-2225	3	3	RESISTOR 2.2K 5% .25W FC TC=400/+700	01121	CB2225
A3R26	0757-0283	6	1	RESISTOR 2K 1% .125W F TC=0/+100	24546	C4-1/8-T0-2001-F
A3R27	0757-0442	9	9	RESISTOR 10K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1002-F
A3R2A	06A8-3160	8	1	RESISTOR 31.6K 1% .125W F TC=0/+100	24546	C4-1/8-T0-3162-F
A3R29	06A8-3154	0	1	RESISTOR 4.22K 1% .125W F TC=0/+100	24546	C4-1/8-T0-4221-F
A3R30	2100-3286	6	1	RESISTOR-TMR 10K 10% C TOP=ADJ 17=TRN	32997	3292W-1-103
A3R32	06A3-1025	9	9	RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
A3R33	2100-3286	6	1	RESISTOR TMR 10K 10%	28480	2100-3286
A3R36	06A8-0123	5	1	RESISTOR 499 1% .125W F TC=0/+100	24546	C4-1/8-T0-499R-F
A3R37	06A3-1045	3	3	RESISTOR 100K 5% .25W FC TC=400/+800	01121	CB1045
A3R38	0757-0437	1	1	RESISTOR 4750 1% .125W	28480	0757-0437
A3R39	0757-0274	5	1	RESISTOR 1.21K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1213-F
A3R41	06A3-1025	9	9	RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
A3R42	0757-0407	6	2	RESISTOR 200 1% .125W F TC=0/+100	24546	C4-1/8-T0-201-F
A3R43	06A8-3155	1	2	RESISTOR 4.64K 1% .125W F TC=0/+100	24546	C4-1/8-T0-4641-F
A3R44	06A8-3155	1	1	RESISTOR 4.64K 1% .125W F TC=0/+100	24546	C4-1/8-T0-4641-F
A3R45	06A8-3156	2	3	RESISTOR 14.7K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1472-F
A3R46	06A8-3156	2	2	RESISTOR 14.7K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1472-F
A3R47	06A3-4705	8	8	RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
A3R48	06A3-4715	0	1	RESISTOR 470 5% .25W FC TC=400/+600	01121	CB4715
A3R49	06A3-1035	1	1	RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
A3R57	06A3-1045	3	3	RESISTOR 100K 5% .25W FC TC=400/+800	01121	CB1045
A3R5A	0757-0442	9	9	RESISTOR 10K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1002-F
A3R59	06A3-1025	9	9	RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
A3R61	06A3-4705	8	8	RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
A3R62	0757-0449	6	1	RESISTOR 20K 1% .125W F TC=0/+100	24546	C4-1/8-T0-2002-F
A3R63	06A8-3156	2	2	RESISTOR 14.7K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1472-F
A3R66	06A8-3279	0	1	RESISTOR 4.99K 1% .125W F TC=0/+100	24546	C4-1/8-T0-4991-F
A3R67	0757-0442	9	9	RESISTOR 10K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1002-F
A3R6F	2100-0567	0	1	RESISTOR-TMR 2K 10% C TOP=ADJ 1=TRN	28480	2100-0567
A3R69	06A8-4202	1	1	RESISTOR 8.87K 1% .125W F TC=0/+100	24546	C4-1/8-T0-8871-F
A3R72	06A3-4705	8	8	RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
A3R73	06A3-4705	8	8	RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
A3R76	06A3-4705	8	8	RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
A3R77	0757-0401	0	1	RESISTOR 100 1% .125W F TC=0/+100	24546	C4-1/8-T0-101-F
A3R7A	0757-0401	0	1	RESISTOR 100 1% .125W F TC=0/+100	24546	C4-1/8-T0-101-F
A3R79	06A3-1025	9	9	RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
A3R81	0698-3581	7	1	RESISTOR 13.7K 1%	28480	0698-3581
A3R82	0757-0273	4	3	RESISTOR 3.01K 1% .125W F TC=0/+100	24546	C4-1/8-T0-3011-F
A3R83	0757-0273	4	4	RESISTOR 3.01K 1% .125W F TC=0/+100	24546	C4-1/8-T0-3011-F
A3R84	0757-0273	4	4	RESISTOR 3.01K 1% .125W F TC=0/+100	24546	C4-1/8-T0-3011-F
A3R86	06A8-4475	0	1	RESISTOR 9.76K 1% .125W F TC=0/+100	03888	PME55-1/8-T0-9761-F
A3R87	06A3-1025	9	9	RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
A3R8A	0757-0437	2	2	RESISTOR 4.75K 1% .125W F TC=0/+100	24546	C4-1/8-T0-4751-F
A3R8F	0757-0437	2	2	RESISTOR 4.75K 1% .125W F TC=0/+100	24546	C4-1/8-T0-4751-F
A3R91	06A8-4421	0	1	RESISTOR 249 1% .125W F TC=0/+100	24546	C4-1/8-T0-249R-F
A3R92	06A3-1025	9	9	RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
A3R93	06A3-4705	8	8	RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
A3R112	0757-0407	6	1	RESISTOR 200 1% .125W F TC=0/+100	24546	C4-1/8-T0-201-F
A3R113	0698-3444	1	1	RESISTOR 316 1%	28480	0698-3444
A3R114	0698-3444	1	1	RESISTOR 316 1%	28480	0698-3444

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
A3R115	2100-0568	1	1	RESISTOR-TRMR 100 10% C TOP=ADJ 1=TRN	28480	2100-0568
A3R116	0757-0384	8	1	RESISTOR 20 1% .125W	28480	0757-0384
A3R117	0698-3444	1	1	RESISTOR 316 1%	28480	0698-3444
A3R118	0698-3444	1	1	RESISTOR 316 1%	28480	0698-3444
A3R119	0757-0275	6	2	RESISTOR 113 1% .125W F TC=0+100	24546	C4=1/8-T0=113R-F
A3R120	0698-3440	7	1	RESISTOR 196 1% .125W F TC=0+100	24546	C4=1/8-T0=196R-F
A3R121	0757-0397	3		RESISTOR 66.1 1% .125W F TC=0+100	24546	C4=1/8-T0=66R1-F
A3R122	0757-0397	3		RESISTOR 66.1 1% .125W F TC=0+100	24546	C4=1/8-T0=66R1-F
A3R123	0757-0275	6		RESISTOR 113 1% .125W F TC=0+100	24546	C4=1/8-T0=113R-F
A3R151	0757-0397	3		RESISTOR 66.1 1% .125W F TC=0+100	24546	C4=1/8-T0=66R1-F
A3R153	0683-1025	9		RESISTOR 1K 5% .25W FC TC=-400/+600	01121	CB1025
A3R154	0683-1025	9		RESISTOR 1K 5% .25W FC TC=-400/+600	01121	CB1025
A3R156	0683-1015	7	1	RESISTOR 100 5% .25W FC TC=-400/+500	01121	CB1015
A3R157	0683-4705	8		RESISTOR 47 5% .25W FC TC=-400/+500	01121	CB4705
A3R158	0698-3439	4		RESISTOR 178 1% .125W F TC=0+100	24546	C4=1/8-T0=178R-F
A3R159	0683-2225	3		RESISTOR 2.2K 5% .25W FC TC=-400/+700	01121	CB2225
A3R160	0757-0276	7	1	RESISTOR 61.9 1%	28480	0757-0276
A3R161	0757-0276	7	1	RESISTOR 61.9 1%	28480	0757-0276
A3R162	8150-3375	5	1	JUMPER WIRE	28480	8150-3375
A3R163	8150-3375	5	1	JUMPER WIRE	28480	8150-3375
A3R164	0698-3581	7	1	RESISTOR 13.7K 1%	28480	0698-3581
A3R165	8150-3375	1	1	JUMPER WIRE	28480	2100-3096
A3R201	0757-0346	2		RESISTOR 10 1% .125W F TC=0+100	24546	C4=1/8-T0=10R0-F
A3R202	0683-3628	9	1	RESISTOR 3.6K 5% .25W FC TC=-400/+700	01121	CB3625
A3R203	0757-0280	3	1	RESISTOR 1K 1% .125W F TC=0+100	24546	C4=1/8-T0=1001-F
A3R204	0757-0291	6	2	RESISTOR 24.9 1% .125W F TC=0+100	19701	MF4C1/8-T0=2492-F
A3R205	0757-0401	0		RESISTOR 100 1% .125W F TC=0+100	24546	C4=1/8-T0=101-F
A3R206	0757-0384	8	4	RESISTOR 20 1% .125W F TC=0+100	19701	MF4C1/8-T0=20R0-F
A3R207	0757-0401	0		RESISTOR 100 1% .125W F TC=0+100	24546	C4=1/8-T0=101-F
A3R208	0757-0384	8		RESISTOR 20 1% .125W F TC=0+100	19701	MF4C1/8-T0=20R0-F
A3R209	0757-0420	3	2	RESISTOR 750 1% .125W F TC=0+100	24546	C4=1/8-T0=751-F
A3R210	0757-0384	8		RESISTOR 20 1% .125W F TC=0+100	19701	MF4C1/8-T0=20R0-F
A3R211	0757-0420	3		RESISTOR 750 1% .125W F TC=0+100	24546	C4=1/8-T0=751-F
A3R213	0757-0384	8		RESISTOR 20 1% .125W F TC=0+100	19701	MF4C1/8-T0=20R0-F
A3R214	0757-0291	6		RESISTOR 24.9 1% .125W F TC=0+100	19701	MF4C1/8-T0=2492-F
A3R215	0683-1625	7	1	RESISTOR 1.6K 5% .25W FC TC=-400/+700	01121	CB1625
A3R216	0757-0394	0	1	RESISTOR 51.1 1% .125W F TC=0+100	24546	C4=1/8-T0=51R1-F
A3T1	9100-4038	5	1	TRANSFORMER	28480	9100-4038
A3T2	08552-6044	1	1	TRANSFORMER-6-TURNS	28480	08552-6044
A3U1	1820-1991	1	1	IC CNTR TTL LS DECD DUAL 4-BIT	01295	SN74LS390N
A3U2	1820-0629	0	2	IC FF TTL S J-K NEG-EDGE-TRIG	01295	SN74LS12N
A3U3	1820-0321	9	1	IC COMPARATOR GP 10-99	01295	SN72710L
A3U4	1820-1199	1	1	IC INV TTL LS HEX 1-INP	01295	SN74LS04N
A3U5	1820-0693	8	1	IC FF TTL S D-TYPE POS-EDGE-TRIG	01295	SN74LS74N
A3U6	1820-0683	6	1	IC INV TTL S HEX 1-INP	01295	SN74804N
A3U7	1820-1924	0	1	IC INV TTL S HEX	18324	N8T93N
A3U8	1826-0043	4	1	IC OP AMP GP 10-99	01928	CA307T
A3U9	1820-1568	8	1	IC BFR TTL LS BUS QUAD	01295	SN74LS125AN
A3U10	1820-1195	7	1	IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS175N
A3U11	1826-0437	0	1	IC MULTIPLIER 14-DIP-C	04713	MC1495L
A3U12	1826-0476	7	1	IC SWITCH ANLG 8-DIP-P	01295	TL601CP
A3U13	1826-0111	7	1	IC OP AMP MC1458G	28480	1826-0111
A3U14	1A58-0063	5	1	TRANSISTOR ARRAY 14-PIN PLSTC DIP	01928	CA3102E
A3U15	1A58-0040	8	1	TRANSISTOR ARRAY	01928	CA3127E
A3U16	1858-0059	9	1	XSTR ARRAY 8P-DIP	28480	1858-0059
A3U17	1820-0802	1	1	IC GATE ECL NDR QUAD 2-INP	04713	MC10102P
A3U18	1820-1322	2	1	IC GATE TTL S NDR QUAD 2-INP	01295	SN74802N
A3U19	1820-0629	0		IC FF TTL S J-K NEG-EDGE-TRIG	01295	SN74LS12N
A3Y1	0410-1115	1	1	CRYSTAL-QUARTZ 30.00500 MHZ	28480	0410-1115
MECHANICAL PARTS						
A3MP1	03325-20601			SHIELD, TOP	28480	03325-20601
A3MP2	03325-20602			SHIELD, BOTTOM	28480	03325-20602
A3MP3	03325-04101		1	COVER - 1	28480	03325-04101
A3MP4	03325-04103		1	COVER - 3	28480	03325-04103

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
A4	03336-66504	4	1	OUTPUT/DAC P.C. ASSEMBLY	2A480	03336-66504
A4C1	0180-1701	2	1	CAPACITOR-FXD 6.8UF+-20% 6VDC TA	56289	150D685X0006A2
A4C2	0160-3560	3	1	CAPACITOR-FXD .1UF +-20% 100VDC MET-POLY C	28480	0160-3560
A4C3	0160-3847	9	11	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A4C4	0160-4532	1	2	CAPACITOR-FXD 1000PF +-20% 50VDC CER	28480	0160-4532
A4C5	0180-1746	5	6	CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A4C6	0180-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A4C7	0160-3879	7	4	CAPACITOR-FXD .01UF +-20% 100VDC CER	28480	0160-3879
A4C8	0160-3879	7		CAPACITOR-FXD .01UF +-20% 100VDC CER	28480	0160-3879
A4C26	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A4C27	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A4C28	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A4C29	0160-4571	8	1	CAPACITOR-FXD .1UF 20%	28480	0160-4571
A4C31	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A4C32	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A4C33	0160-3466	8	1	CAPACITOR-FXD 100PF +-10% 1KVDC CER	28480	0160-3466
A4C34	0160-4532	1		CAPACITOR-FXD 1000PF +-20% 50VDC CER	28480	0160-4532
A4C35	0160-4571	8	3	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-4571
A4C36	0160-0162	5	2	CAPACITOR-FXD .022UF +-10% 20VDC POLYE	28480	0160-0162
A4C37	0160-0162	5		CAPACITOR-FXD .022UF +-10% 20VDC POLYE	28480	0160-0162
A4C38	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A4C39	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A4C41	0160-4571	8		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-4571
A4C42	0160-4571	8		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-4571
A4C43	0160-4137	2	1	CAPACITOR-FXD .01UF +-1% 100VDC POLYSTY	84411	863UM
A4C44	0160-0128	3	6	CAPACITOR-FXD 2.2UF +-20% 50VDC CER	28480	0160-0128
A4C45	0160-0128	3		CAPACITOR-FXD 2.2UF +-20% 50VDC CER	28480	0160-0128
A4C46	0160-5335	1	1	CAPACITOR-FXD 1.0UF	28480	0160-5335
A4C47	0160-3558	9	29	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C48	0180-0210	6	2	CAPACITOR-FXD 3.3UF+-20% 15VDC TA	56289	150D335X0015A2
A4C49	0180-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A4C50	0160-0576	5	1	CAPACITOR-FXD .1UF 20% 50V	28480	0160-0576
A4C65	0160-4640	2	1	CAPACITOR-FXD .1UF +-10% 100VDC	28480	0160-4640
A4C66	0160-5335	1	1	CAPACITOR-FXD 1.0UF	28480	0160-5335
A4C76	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A4C77	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A4C101	0140-0196	3	1	CAPACITOR-FXD 150PF +-5% 300VDC MICA	72136	DM15F151J0300WVICR
A4C102	0140-0191	8	1	CAPACITOR-FXD 56PF +-5% 300VDC MICA	72136	DM15E560J0300WVICR
A4C103	0160-3878	6	3	CAPACITOR-FXD 1000PF +-20% 100VDC CER	28480	0160-3878
A4C105	0160-4640	2	1	CAPACITOR-FXD .1UF	28480	0160-5306
A4C106	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C107	0160-4640	2	1	CAPACITOR-FXD .1UF	28480	0160-5306
A4C108	0160-3878	6		CAPACITOR-FXD 1000PF +-20% 100VDC CER	28480	0160-3878
A4C109	0121-0451	3	1	CAPACITOR-FXD TRMR-AIR 1.7-11PF 250V	74970	1A7-0106-005
A4C110	0160-0127	2	2	CAPACITOR-FXD .1UF +-20% 25VDC CER	28480	0160-0127
A4C111	0180-0374	3	3	CAPACITOR-FXD 100PF+-10% 20VDC TA	56289	150D106X9020B2
A4C112	0160-0127	2		CAPACITOR-FXD .1UF +-20% 25VDC CER	28480	0160-0127
A4C113	0180-0374	3		CAPACITOR-FXD 100PF+-10% 20VDC TA	56289	150D106X9020B2
A4C114	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C115	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C116	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C117	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C118	0160-2252	8	1	CAPACITOR-FXD 6.2PF +-25PF 50VDC CER	28480	0160-2252
A4C119	0160-4640	2	1	CAPACITOR-FXD .1UF	28480	0160-5306
A4C120	0160-4640	2	1	CAPACITOR-FXD .1UF	28480	0160-5306
A4C121	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C122	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C123	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C124	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C125	0160-4640	2	1	CAPACITOR-FXD .1UF	28480	0160-5306
A4C126	0160-0570	0	5	CAPACITOR-FXD 220PF +-20% 100VDC CER	20932	5024E4100RD221M
A4C127	0140-0193	0	1	CAPACITOR-FXD 82PF 300V	28480	0140-0193
A4C127*	0160-2203	9	1	CAPACITOR-FXD 91PF 300V	28480	0160-2203
A4C128	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C130	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C131	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C132	0180-1835	6	1	CAPACITOR-FXD 75UF+-10% 16VDC AL	56289	3007566016CC2
A4C133	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C134	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C135	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C136	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C137	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C138	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558

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
A4C139	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C140	0180-0210	8		CAPACITOR-FXD 3.3UF+-20% 15VDC TA	56289	150D35X0015A2
A4C141	0180-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A4C142	0180-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A4C143	0160-0128	3		CAPACITOR-FXD 2.2UF +-20% 50VDC CER	28480	0160-0128
A4C144	0160-0128	3		CAPACITOR-FXD 2.2UF +-20% 50VDC CER	28480	0160-0128
A4C145	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C202*	0160-2150	5	1	CAPACITOR-FXD 33PF 300V	28480	0160-2150
A4C202*	0140-0192	9	1	CAPACITOR-FXD 68 PF 300V	28480	0140-0192
A4C203	0160-3879	7		CAPACITOR-FXD .01UF +-20% 100VDC CER	28480	0160-3879
A4C205	0160-3879	7		CAPACITOR-FXD .01UF +-20% 100VDC CER	28480	0160-3879
A4C207	0160-0576	5		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-0576
A4C208	0160-2204	0	1	CAPACITOR-FXD 100PF +-5% 300VDC MICA	28480	0160-2204
A4C209	0160-2246	0	1	CAPACITOR-FXD 3.6PF +-1.25PF 500VDC CER	28480	0160-2246
A4C210	0160-0576	5		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-0576
A4C211	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C212	0160-4441	1	1	CAPACITOR-FXD .47UF +-10% 50VDC CER	28480	0160-4441
A4C213	0160-0155	6	2	CAPACITOR-FXD 3300PF +-10% 200VDC POLYE	28480	0160-0155
A4C214	0160-0128	3		CAPACITOR-FXD 2.2UF +-20% 50VDC CER	28480	0160-0128
A4C215	0160-0128	3		CAPACITOR-FXD 2.2UF +-20% 50VDC CER	28480	0160-0128
A4C216	0160-0155	6		CAPACITOR-FXD 3300PF +-10% 200VDC POLYE	28480	0160-0155
A4C218	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C219	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C220	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A4C221	0160-0158	9	1	CAPACITOR-FXD 5600PF +-10% 200VDC POLYE	28480	0160-0158
A4C500	0160-2307	4	1	CAPACITOR-FXD 47PF +-5% 300VDC MICA	28480	0160-2307
A4C501	0160-0570	9		CAPACITOR-FXD 220PF +-20% 100VDC CER	20932	5024EM100RD221M
A4C502	0160-0570	9		CAPACITOR-FXD 220PF +-20% 100VDC CER	20932	5024EM100RD221M
A4C504	0160-0570	9		CAPACITOR-FXD 220PF +-20% 100VDC CER	20932	5024EM100RD221M
A4C505	0160-3878	6		CAPACITOR-FXD 1000PF +-20% 100VDC CER	28480	0160-3878
A4C506	0160-0570	9		CAPACITOR-FXD 220PF +-20% 100VDC CER	20932	5024EM100RD221M
A4C510	0180-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
A4C511	0180-0374	3		CAPACITOR-FXD 10UF+-10% 20VDC TA	56289	150D106X9020B2
A4CR1	1902-0041	4	2	DIODE-ZNR 5.11V 5% DO-7 PDM,4W TCR=-.009%	28480	1902-0041
A4CR2	1901-0040	1	20	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR3	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR4	1901-0050	3	3	DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
A4CR5	1902-3345	7	1	DIODE-ZNR 51.1V 5% DO-7 PDM,4W TCR+.081%	28480	1902-3345
A4CR6	1901-0050	3		DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
A4CR7	1901-0050	3		DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
A4CR101	1902-3030	7		DIODE-ZNR 3.01V 5% DO-7 PDM,4W TCR=-.067%	28480	1902-3030
A4CR102	1902-3149	9	1	DIODE-ZNR 9.09V 5% DO-7 PDM,4W TCR+.057%	28480	1902-3149
A4CR103	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR104	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR201	1901-0518	8	4	DIODE-SCHOTTKY	28480	1901-0518
A4CR202	1901-0518	8		DIODE-SCHOTTKY	28480	1901-0518
A4CR203	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR204	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR205	1902-0041	4		DIODE-ZNR 5.11V 5% DO-7 PDM,4W TCR=-.009%	28480	1902-0041
A4CR206	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR207	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR208	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR209	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR210	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR211	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR212	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR213	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR214	1901-0518	8		DIODE-SCHOTTKY	28480	1901-0518
A4CR215	1901-0518	8		DIODE-SCHOTTKY	28480	1901-0518
A4CR216	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR217	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR218	1902-3265	0	1	DIODE-ZNR 25.5V 5% DO-7 PDM,4W TCR+.08%	28480	1902-3265
A4CR219	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR220	1902-0680	7	1	DIODE-ZNR 1N827 6.2V 5% DO-7 PDM,4W	24046	1N827
A4CR221	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR222	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR223	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4F1	2110-0343	1	3	FUSE .25A 125V FAST-BLO .281X.093	28480	2110-0343
A4F2	2110-0343	1		FUSE .25A 125V FAST-BLO .281X.093	28480	2110-0343
A4F101	2110-0343	1		FUSE .25A 125V FAST-BLO .281X.093	28480	2110-0343
A4J1	1251-6567		1	CONNECTOR	28480	1251-6567
A4J9	1251-2969	8	8	CONNECTOR-PHONO SINGLE PHONO JACK1 DIP	28480	1251-2969

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		
A4J13, J14	1251-2969	R	1	CONNECTOR-PHONO SINGLE PHONO JACK; DIP CONNECTOR-10-PIN M POST TYPE	28480	1251-2969		
A4J30	1251-4504	1			28480	1251-4504		
A4J1A1	1251-2969	B			28480	1251-2969		
A4J102	1251-2969	B			28480	1251-2969		
A4J103	1251-2969	B			28480	1251-2969		
A4J201	1251-2969	R	1	CONNECTOR-PHONO SINGLE PHONO JACK; DIP CONNECTOR-PHONO SINGLE PHONO JACK; DIP 3 PIN CONN	28480	1251-2969		
A4J202	1251-2969	R			28480	1251-2969		
A4J203	1251-4822	R			28480	1251-4822		
A4K201	0490-1137	S			28480	0490-1137		
A4L1	9100-2247	4	1	COIL-MLD 100MH 10% Q=34 .095DX.25LG-NOM	28480	9100-2247		
A4L26	9100-3458	1			28480	9100-3458		
A4L27	9100-3458	1			28480	9100-3458		
A4L76	9100-3458	1			28480	9100-3458		
A4L77	9100-3458	1			28480	9100-3458		
A4L78	9100-3458	1	1	CHOKE, WIDE BAND	28480	9100-3458		
A4L101	9100-2486	3			28480	9100-2486		
A4L102	9140-0348	6			28480	9140-0348		
A4L103	9140-0265	6			28480	9140-0265		
A4L104	9140-0265	6			28480	9140-0265		
A4L105	9100-3458	1			28480	9100-3458		
A4L106	9100-3458	1	28480	9100-3458				
A4L107	9100-3458	1	28480	9100-3458				
A4P203	1258-0141		1	JUMPER	28480	1258-0141		
A4Q1	1855-0092	4			28480	1855-0092		
A4Q2	1855-0406	4			32293	11110		
A4Q3	1854-0692	R			04713	NJE223		
A4Q4	1855-0406	4			28480	1855-0406		
A4Q25	1855-0410	0			28480	1855-0410		
A4Q26	1853-0020	4			28480	1853-0020		
A4Q27	1853-0066	R			28480	1853-0066		
A4Q28	1854-0215	1			04713	2N3904		
A4Q101	1853-0448	0			04713	MP8H81		
A4Q102	1853-0448	0			04713	MP8H81		
A4Q103	1853-0448	0			04713	MP8H81		
A4Q104	1854-0233	3			28480	1854-0233		
A4Q105	1205-0018	7			28480	1205-0018		
A4Q106	1853-0448	0			04713	MP8H81		
A4Q107	1854-0378	2	04713	MP8H10				
A4Q108	1854-0378	7	01928	2N5109				
A4Q109	1853-0293	3	3	TRANSISTOR PNP 2N5583 SI TO-39 PD=1W	04713	2N5583		
A4Q110	1853-0293	3			04713	2N5583		
A4Q111	1854-0378	7			01928	2N5109		
A4Q112	1854-0378	7			01928	2N5109		
A4Q113	1853-0293	3			04713	2N5583		
A4Q114	1854-0215	1	1	TRANSISTOR NPN SI PD=350MW FT=300MHZ	04713	2N3904		
A4Q201	1854-0215	1			04713	2N3904		
A4Q202	1853-0066	B			28480	1853-0066		
A4Q203	1854-0404	0			28480	1854-0404		
A4R1	0683-2215	1	1	RESISTOR 220 5% .25W FC TC=400/+600	01121	CB2215		
A4R3	0698-3155	1			24546	C4=1/8-T0=4641-F		
A4R4	0757-0419	4			24546	C4=1/8-T0=6811-F		
A4R5	0683-2225	3			01121	CB2225		
A4R6	2100-3253	7			28480	2100-3253		
A4R7	0698-4817	4			1	RESISTOR 953K 1% .25W F TC=0/+100	28480	0698-4817
A4R8	0698-7850	1					19701	MF4C1/8-T0=9455R-B
A4R9	0757-0410	1					24546	C4=1/8-T0=301R-F
A4R11	0757-0410	1			2	RESISTOR 301 1% .125W F TC=0/+100	24546	C4=1/8-T0=301R-F
A4R12	0683-1035	1					01121	CB1035
A4R13	0683-1035	1			1	RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
A4R14	0683-1035	1					01121	CB1035
A4R18	0683-1025	9					01121	CB1025
A4R19	0683-1035	1					01121	CB1035
A4R20	0683-1835	9	01121	CB1835				
A4R26	0683-2225	3	3	RESISTOR 2.2K 5% .25W FC TC=400/+700			01121	CB2225
A4R27	0683-2225	3			01121	CB2225		
A4R28	0683-2225	3			01121	CB2225		
A4R29	0683-2225	3			01121	CB2225		
A4R31	0683-1035	1			01121	CB1035		
A4R32	0683-1035	1			1	RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
A4R33	0683-1025	9					01121	CB1025
A4R34	0683-5635	5					01121	CB5635
A4R36	0683-2235	5	01121	CB2235				
A4R37	0683-2225	3	01121	CB2225				
A4R38	0757-0289	2	3	RESISTOR 13.3K 1% .125W F TC=0/+100	19701	MF4C1/8-T0=1332-F		
A4R39	0757-0442	9			24546	C4=1/8-T0=1002-F		
A4R40	2100-0558	9			28480	2100-0558		
A4R41	0757-0289	2			19701	MF4C1/8-T0=1332-F		
A4R42	0683-2015	9	1	RESISTOR 200 5% .25W FC TC=400/+600	01121	CB2015		

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
A4R43	0757-0442	9		RESISTOR 10K 1% .125W F TC00±100	24546	C4-1/8-T0=1002-F
A4R44	0757-0441	8	1	RESISTOR 8.25K 1% .125W F TC00±100	24546	C4-1/8-T0=8251-F
A4R45	06A3-4705	8	1	RESISTOR 47 5% .25W FC TC=400/+500	01121	C81705
A4R46	06A3-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	C81025
A4R47	06A3-2265	1	2	RESISTOR 22M 5% .25W FC TC=900/+1200	01121	C82265
A4R48	06A3-4725	2	1	RESISTOR 4.7K 5% .25W FC TC=400/+700	01121	C84725
A4R49	0757-0438	3	2	RESISTOR 5.11K 1% .125W F TC00±100	24546	C4-1/8-T0=5111-F
A4R50	06A3-2225	3		RESISTOR 2.2K 5% .25W FC TC=400/+700	01121	C82225
A4R51	0757-0279	0	1	RESISTOR 3.16K 1% .125W F TC00±100	24546	C4-1/8-T0=3161-F
A4R52	0757-0438	3		RESISTOR 5.11K 1% .125W F TC00±100	24546	C4-1/8-T0=5111-F
A4R53	069A-6347	9	1	RESISTOR 1.5K 1% .125W F TC00±25	28480	069A-6347
A4R54	069B-6936	2	1	RESISTOR 156K 1% .125W F TC00±50	28480	069B-6936
A4R55	06A3-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	C81025
A4R56	0757-0449	6	2	RESISTOR 20K 1% .125W F TC00±100	24546	C4-1/8-T0=2002-F
A4R57	0699-0121	7	1	RESISTOR 2.05M 1% .125W F TC00±100	28480	0699-0121
A4R65	06A3-1015	7	2	RESISTOR 100 5% .25W FC TC=400/+500	01121	C81015
A4R67	06A3-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	C81025
A4R6A	06A3-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	C81025
A4R69	06A3-1015	7		RESISTOR 100 5% .25W FC TC=400/+500	01121	C81015
A4R76	06A3-1035	1		RESISTOR 10K 5% .25W FC TC=400/+700	01121	C81035
A4R77	06A3-2225	3		RESISTOR 2.2K 5% .25W FC TC=400/+700	01121	C82225
A4R101	069B-4453	4	3	RESISTOR 402 1% .125W F TC00±100	24546	C4-1/8-T0=402R-F
A4R102	069B-4453	4		RESISTOR 402 1% .125W F TC00±100	24546	C4-1/8-T0=402R-F
A4R103	069B-4453	4		RESISTOR 402 1% .125W F TC00±100	24546	C4-1/8-T0=402R-F
A4R104	069B-3437	2	3	RESISTOR 133 1% .125W F TC00±100	24546	C4-1/8-T0=133R-F
A4R105	069B-3437	2		RESISTOR 133 1% .125W F TC00±100	24546	C4-1/8-T0=133R-F
A4R106	069B-3437	2		RESISTOR 133 1% .125W F TC00±100	24546	C4-1/8-T0=133R-F
A4R107	0757-036A	8	3	RESISTOR 34 1% .125W F TC00±100	24546	C4-1/8-T0=34R0-F
A4R108	0757-036A	8		RESISTOR 34 1% .125W F TC00±100	24546	C4-1/8-T0=34R0-F
A4R109	0757-036A	8		RESISTOR 34 1% .125W F TC00±100	24546	C4-1/8-T0=34R0-F
A4R110	069B-355A	8	4	RESISTOR 4.02K 1% .125W F TC00±100	24546	C4-1/8-T0=4021-F
A4R111	069B-355A	8		RESISTOR 4.02K 1% .125W F TC00±100	24546	C4-1/8-T0=4021-F
A4R112	069B-8353	1	2	RESISTOR 806K 1% .125W F TC00±100	28480	069B-8353
A4R113	0757-0384	8	4	RESISTOR 20 1% .125W F TC00±100	19701	MF4C1/8-T0=20R0-F
A4R114	069B-8353	1		RESISTOR 806K 1% .125W F TC00±100	28480	069B-8353
A4R115	0757-0384	8		RESISTOR 20 1% .125W F TC00±100	19701	MF4C1/8-T0=20R0-F
A4R116	06A3-1815	5	1	RESISTOR 180 5% .25W FC TC=400/+600	01121	C81815
A4R117	069B-4123	5	A	RESISTOR 499 1% .125W F TC00±100	24546	C4-1/8-T0=499R-F
A4R118	069B-4123	5		RESISTOR 499 1% .125W F TC00±100	24546	C4-1/8-T0=499R-F
A4R119	069B-4539	7	1	RESISTOR 402K 1% .125W F TC00±100	28480	069B-4539
A4R120	069B-4123	5		RESISTOR 499 1% .125W F TC00±100	24546	C4-1/8-T0=499R-F
A4R121	069B-4123	5		RESISTOR 499 1% .125W F TC00±100	24546	C4-1/8-T0=499R-F
A4R122	069B-4123	5		RESISTOR 499 1% .125W F TC00±100	24546	C4-1/8-T0=499R-F
A4R123	0757-0277	8	6	RESISTOR 49.9 1% .125W F TC00±100	24546	C4-1/8-T0=4992-F
A4R124	0757-0401	0	2	RESISTOR 100 1% .125W F TC00±100	24546	C4-1/8-T0=101-F
A4R125	0757-0401	0		RESISTOR 100 1% .125W F TC00±100	24546	C4-1/8-T0=101-F
A4R126	0757-0277	8		RESISTOR 49.9 1% .125W F TC00±100	24546	C4-1/8-T0=4992-F
A4R127	069B-4123	5		RESISTOR 499 1% .125W F TC00±100	24546	C4-1/8-T0=499R-F
A4R128	069B-4123	5		RESISTOR 499 1% .125W F TC00±100	24546	C4-1/8-T0=499R-F
A4R129	0699-0389	9	2	RESISTOR 5.1 1% .25W F TC00±100	28480	0699-0389
A4R130	0699-0389	9		RESISTOR 5.1 1% .25W F TC00±100	28480	0699-0389
A4R131	0760-0026	2	0	RESISTOR 75 2% 1W M0 TC00±200	28480	0760-0026
A4R132	0760-0026	2		RESISTOR 75 2% 1W M0 TC00±200	28480	0760-0026
A4R133	0757-0384	8		RESISTOR 20 1% .125W F TC00±100	19701	MF4C1/8-T0=20R0-F
A4R134	0757-0384	6		RESISTOR 20 1% .125W F TC00±100	19701	MF4C1/8-T0=20R0-F
A4R135	069B-4482	7	1	RESISTOR 442 1% .125W F TC00±100	24546	C4-1/8-T0=442R-F
A4R136	069B-348A	3	2	RESISTOR 442 1% .125W F TC00±100	24546	C4-1/8-T0=422R-F
A4R137	0757-0277	8		RESISTOR 49.9 1% .125W F TC00±100	24546	C4-1/8-T0=4992-F
A4R138	0757-0277	8		RESISTOR 49.9 1% .125W F TC00±100	24546	C4-1/8-T0=4992-F
A4R139	069B-348A	3		RESISTOR 442 1% .125W F TC00±100	24546	C4-1/8-T0=422R-F
A4R140	0760-0026	2		RESISTOR 75 2% 1W M0 TC00±200	28480	0760-0026
A4R141	0757-0346	2	3	RESISTOR 10 1% .125W F TC00±100	24546	C4-1/8-T0=10R0-F
A4R142	0757-0346	2		RESISTOR 10 1% .125W F TC00±100	24546	C4-1/8-T0=10R0-F
A4R143	0760-0026	2		RESISTOR 75 2% 1W M0 TC00±200	28480	0760-0026
A4R144	0757-0280	3	9	RESISTOR 1K 1% .125W F TC00±100	24546	C4-1/8-T0=1001-F
A4R145	069B-8155	1	1	RESISTOR 90 1% 1W F TC00±25	07716	BR5-1-T9-50R0-B
A4R146	0757-0472	5	3	RESISTOR 200K 1% .125W F TC00±100	24546	C4-1/8-T0=2003-F
A4R147	069B-40A2	9	1	RESISTOR 17.4K 1% .125W F TC00±100	03888	PME55-1/8-T0=1742-F
A4R148	0757-0284	7	1	RESISTOR 150 1% .125W F TC00±100	24546	C4-1/8-T0=151-F
A4R149	069B-4123	5		RESISTOR 499 1% .125W F TC00±100	24546	C4-1/8-T0=499R-F
A4R150	069A-8345	1	2	RESISTOR 634K 1% .125W F TC00±100	28480	069A-8345
A4R151	069B-7332	4	6	RESISTOR 1M 1% .125W F TC00±100	28480	069B-7332
A4R152	0757-0280	3		RESISTOR 1K 1% .125W F TC00±100	24546	C4-1/8-T0=1001-F
A4R153	06A3-0515	0	2	RESISTOR 5.1 5% .25W FC TC=400/+500	01121	C85105
A4R154	069B-7332	4		RESISTOR 1M 1% .125W F TC00±100	28480	069B-7332

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
A4R155	0757-0280	3		RESISTOR 1K 1% .125W F TC00+-100	24546	C4=1/8-T0=1001-F
A4R156	0693-0515	3		RESISTOR 5.1 5% .25W FC TC00=400/+500	01121	C851G5
A4R157	0698-7332	4		RESISTOR 1M 1% .125W F TC00+-100	28480	0698-7332
A4R158	0693-2265	1		RESISTOR 22V 5% .25W FC TC00=900/+1200	01121	C82265
A4R159	0757-0472	5		RESISTOR 200K 1% .125W F TC00+-100	24546	C4=1/8-T0=2003-F
A4R160	0757-0280	3		RESISTOR 1K 1% .125W F TC00+-100	24546	C4=1/8-T0=1001-F
A4R161	0757-0273	4	1	RESISTOR 3.01K 1% .125W F TC00+-100	24546	C4=1/8-T0=3011-F
A4R162	0757-0416	7	1	RESISTOR 511 1% .125W F TC00+-100	24546	C4=1/8-T0=511R-F
A4R163	0757-0442	9		RESISTOR 10K 1% .125W F TC00+-100	24546	C4=1/8-T0=1002-F
A4R164	0757-0280	3		RESISTOR 1K 1% .125W F TC00+-100	24546	C4=1/8-T0=1001-F
A4R165	0757-0465	6	6	RESISTOR 100K 1% .125W F TC00+-100	24546	C4=1/8-T0=1003-F
A4R166	0757-0277	8		RESISTOR 49.9 1% .125W F TC00+-100	24546	C4=1/8-T0=4992-F
A4R167	0698-8345	1		RESISTOR 634K 1% .125W F TC00+-100	28480	0698-8345
A4R201 A	0698-3951	5	2	RESISTOR 10K (MATCHED TO A4R204)	28480	0698-3951
A4R202*	0698-4450	1	1	RESISTOR 324 1%	28480	0698-4450
A4R202*	0698-4424	9	1	RESISTOR 1400 1%	28480	0698-4424
A4R203	0693-1065	7	1	RESISTOR 10M 5% .25W FC TC00=900/+1100	01121	C81065
A4R204	0698-3951	5		RESISTOR 10K (MATCHED TO A4R201)	28480	0698-3951
A4R205	0698-3952	6	4	RESISTOR 499K (MATCHED TO A4R206)	28480	0698-3952
A4R206	0698-3952	6		RESISTOR 499K (MATCHED TO A4R205)	28480	0698-3952
A4R207	0698-4495	4	1	RESISTOR 37.4K 1% .125W F TC00+-100	24546	C4=1/8-T0=3742-F
A4R208	2100-3659	7	1	RESISTOR-TRMR 20K 10% C TOP-ADJ 17-TRN	32997	3292A-1-203
A4R209	0698-3952	6		RESISTOR 499K (MATCHED TO A4R210)	28480	0698-3952
A4R210	0698-3952	6		RESISTOR 499K (MATCHED TO A4R209)	28480	0698-3952
A4R211	0757-0472	5		RESISTOR 200K 1% .125W F TC00+-100	24546	C4=1/8-T0=2003-F
A4R212	2100-3096	6	1	RESISTOR-TRMR 50K 10% C TOP-ADJ 17-TRN	32997	3292A-1-503
A4R213	0698-3459	8	1	RESISTOR 383K 1% .125W F TC00+-100	28480	0698-3459
A4R214	0757-0485	0	1	RESISTOR 681K 1% .125W F TC00+-100	28480	0757-0485
A4R215	0757-0346	2		RESISTOR 10 1% .125W F TC00+-100	24546	C4=1/8-T0=10R0-F
A4R216	0757-0442	9		RESISTOR 10K 1% .125W F TC00+-100	24546	C4=1/8-T0=1002-F
A4R217	0757-0270	1	2	RESISTOR 249K 1% .125W F TC00+-100	24546	C4=1/8-T0=2493-F
A4R218	0757-0270	1		RESISTOR 249K 1% .125W F TC00+-100	24546	C4=1/8-T0=2493-F
A4R219	0698-4308	8	1	RESISTOR 16.9K 1% .125W F TC00+-100	24546	C4=1/8-T0=1692-F
A4R220	0698-4517	1	1	RESISTOR 127K 1% .125W F TC00+-100	24546	C4=1/8-T0=1273-F
A4R221	0698-4528	4	1	RESISTOR 210K 1% .125W F TC00+-100	24546	C4=1/8-T0=2103-F
A4R222	0698-4470	5	1	RESISTOR 6.98K 1% .125W F TC00+-100	24546	C4=1/8-T0=6981-F
A4R223	0698-0064	5	1	RESISTOR 9.31K 1% .125W F TC00+-100	91637	CMF=1/8-T1=9311-F
A4R224	0698-4478	3	1	RESISTOR 10.7K 1% .125W F TC00+-100	24546	C4=1/8-T0=1072-F
A4R225	0757-0424	7	1	RESISTOR 1.1K 1% .125W F TC00+-100	24546	C4=1/8-T0=1101-F
A4R226	0698-4455	6	2	RESISTOR 536 1% .125W F TC00+-100	24546	C4=1/8-T0=536R-F
A4R227	0757-0465	6		RESISTOR 100K 1% .125W F TC00+-100	24546	C4=1/8-T0=1003-F
A4R228	0757-0465	6		RESISTOR 100K 1% .125W F TC00+-100	24546	C4=1/8-T0=1003-F
A4R229	0683-1225	1	1	RESISTOR 1.2K 5% .25W FC TC00=400/+700	01121	C81225
A4R230	0757-0454	3	2	RESISTOR 33.2K 1% .125W F TC00+-100	24546	C4=1/8-T0=3322-F
A4R231	0757-0454	7	1	RESISTOR 51.1K 1% .125W F TC00+-100	24546	C4=1/8-T0=5112-F
A4R232	0698-4473	8	1	RESISTOR 8.06K 1% .125W F TC00+-100	24546	C4=1/8-T0=8061-F
A4R233	0698-4307	7	1	RESISTOR 14.3K 1% .125W F TC00+-100	24546	C4=1/8-T0=1432-F
A4R234	0698-8344	0	1	RESISTOR 604K 1% .125W F TC00+-100	28480	0698-8344
A4R235	0698-3162	0	1	RESISTOR 46.4K 1% .125W F TC00+-100	24546	C4=1/8-T0=4642-F
A4R236	0757-0454	3		RESISTOR 33.2K 1% .125W F TC00+-100	24546	C4=1/8-T0=3322-F
A4R237	0757-0280	3		RESISTOR 1K 1% .125W F TC00+-100	24546	C4=1/8-T0=1001-F
A4R238	0757-0442	9		RESISTOR 10K 1% .125W F TC00+-100	24546	C4=1/8-T0=1002-F
A4R239	0757-0426	9	1	RESISTOR 1.3K 1% .125W F TC00+-100	24546	C4=1/8-T0=1301-F
A4R240	0757-0280	3		RESISTOR 1K 1% .125W F TC00+-100	24546	C4=1/8-T0=1001-F
A4R242	0757-0442	9		RESISTOR 10K 1% .125W F TC00+-100	24546	C4=1/8-T0=1002-F
A4R243	0698-7332	4		RESISTOR 1M 1% .125W F TC00+-100	28480	0698-7332
A4R244	0757-0280	2		RESISTOR 1K 1% .125W F TC00+-100	19701	MF4C1/8-T0=1332-F
A4R245	0757-0426	1	1	RESISTOR 1.62K 1% .125W F TC00+-100	24546	C4=1/8-T0=1621-F
A4R247	0757-0465	6		RESISTOR 100K 1% .125W F TC00+-100	24546	C4=1/8-T0=1003-F
A4R248	0698-8319	9	2	RESISTOR 10K 1% .1W F TC00+-10	19701	5023Z1/8-T13-1002-F
A4R249	0698-3955	9	1	RESISTOR 1.4K 1% .1W F TC00+-10	28480	0698-3955
A4R250	0698-3179	9	1	RESISTOR 2.55K 1% .125W F TC00+-100	24546	C4=1/8-T0=2551
A4R251	0757-0449	6		RESISTOR 20K 1% .125W F TC00+-100	24546	C4=1/8-T0=2002-F
A4R252	0698-4497	6	3	RESISTOR 48.7K 1% .125W F TC00+-100	24546	C4=1/8-T0=4872-F
A4R253	0698-4497	6		RESISTOR 48.7K 1% .125W F TC00+-100	24546	C4=1/8-T0=4872-F
A4R254	0698-4497	6		RESISTOR 48.7K 1% .125W F TC00+-100	24546	C4=1/8-T0=4872-F
A4R255	2100-3214	0	3	RESISTOR-TRMR 100K 10% C TOP-ADJ 17-TRN	28480	2100-3214
A4R256	2100-3214	0		RESISTOR-TRMR 100K 10% C TOP-ADJ 17-TRN	28480	2100-3214
A4R257	2100-3214	0		RESISTOR-TRMR 100K 10% C TOP-ADJ 17-TRN	28480	2100-3214
A4R258	0698-8319	9		RESISTOR 10K 1% .1W F TC00+-10	19701	5023Z1/8-T13-1002-F
A4R259	2100-3089	7	1	RESISTOR-TRMR 5K 10% C TOP-ADJ 17-TRN	32997	3292A-1-502
A4R260	0698-3953	7	1	RESISTOR 9.82K 1% .1W F TC00+-10	28480	0698-3953
A4R261	2100-3296	8	1	RESISTOR-TRMR 1K 10% C TOP-ADJ 17-TRN	28480	2100-3296
A4R262	0698-3954	8	1	RESISTOR 9.18K 1% .1W F TC00+-10	28480	0698-3954
A4R263	0698-3957	1	1	RESISTOR 34.8K 1% .1W F TC00+-10	28480	0698-3957
A4R264	0757-0442	9		RESISTOR 10K 1% .125W F TC00+-100	24546	C4=1/8-T0=1002-F

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
A4R265	0698-0455	6		RESISTOR 536 1% .125W F TC00+-100	24546	C4-1/8-T0-536R-F
A4R266	0757-0283	6	1	RESISTOR 2K 1% .125W F TC00+-100	24546	C4-1/8-T0-2001-F
A4R267	0757-0405	2	3	RESISTOR 13K 1% .125W F TC00+-100	24546	C4-1/8-T0-1302-F
A4R268	0698-7997	9	1	RESISTOR 9.8K 1% .125W F TC00+-25	19701	MF4C1/8-T9-7871-F
A4R269	2100-0567	0	1	RESISTOR-TRMR 2K 10% C TOP=ADJ 1-TRV	28480	2100-0567
A4R270	0757-0430	5	1	RESISTOR 2.21K 1% .125W F TC00+-100	24546	C4-1/8-T0-2211-F
A4R271	0698-6625	6	1	RESISTOR 6K 1% .125W F TC00+-25	28480	0698-6625
A4R272	0757-0277	8	1	RESISTOR 49.9 1% .125W F TC00+-100	24546	C4-1/8-T0-4992-F
A4R273	0757-0273	4	1	RESISTOR 3.01K 1% .125W F TC00+-100	24546	C4-1/8-T0-3011-F
A4R274	0757-0445	2	1	RESISTOR 13K 1% .125W F TC00+-100	24546	C4-1/8-T0-1302-F
A4R275	0698-3161	9	1	RESISTOR 38.3K 1% .125W F TC00+-100	24546	C4-1/8-T0-3832-F
A4R276	0757-0465	6	1	RESISTOR 100K 1% .125W F TC00+-100	24546	C4-1/8-T0-1003-F
A4R277	0757-0486	1	1	RESISTOR 750K 1% .125W F TC00+-100	28480	0757-0486
A4R278	0698-3458	7	1	RESISTOR 308K 1% .125W F TC00+-100	28480	0698-3458
A4R279	0757-0465	6	1	RESISTOR 100K 1% .125W F TC00+-100	24546	C4-1/8-T0-1003-F
A4R280	0757-0273	4	1	RESISTOR 3.01K 1% .125W F TC00+-100	24546	C4-1/8-T0-3011-F
A4R281	0757-0405	2	1	RESISTOR 13K 1% .125W F TC00+-100	24546	C4-1/8-T0-1302-F
A4R282	0698-7332	4	1	RESISTOR 1M 1% .125W F TC00+-100	28480	0698-7332
A4R283	0698-7332	4	1	RESISTOR 1M 1% .125W F TC00+-100	28480	0698-7332
A4R284	0698-3279	0	1	RESISTOR 4.99K 1% .125W F TC00+-100	24546	C4-1/8-T0-4991-F
A4R285	0698-3228	9	1	RESISTOR 49.9K 1% .125W F TC00+-100	28480	0698-3228
A4R286	0757-0280	3	1	RESISTOR 1K 1% .125W F TC00+-100	24546	C4-1/8-T0-1001-F
A4R287	0698-3558	8	1	RESISTOR 4.02K 1% .125W F TC00+-100	24546	C4-1/8-T0-4021-F
A4R288	0698-3558	8	1	RESISTOR 4.02K 1% .125W F TC00+-100	24546	C4-1/8-T0-4021-F
A4R289	0757-0442	9	1	RESISTOR 10K 1% .125W F TC00+-100	24546	C4-1/8-T0-1002-F
A4R290	0757-0442	9	1	RESISTOR 10K 1% .125W F TC00+-100	24546	C4-1/8-T0-1002-F
A4R291	0757-0280	3	1	RESISTOR 1K 1% .125W F TC00+-100	24546	C4-1/8-T0-1001-F
A4S1	3101-1341	3	2	SWITCH=8L SPDT SUBMIN .5A 125VAC/DC	28480	3101-1341
A4S2	3101-1341	3	2	SWITCH=8L SPDT SUBMIN .5A 125VAC/DC	28480	3101-1341
A4U1	1A20-1196	8	3	IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS174N
A4U2	1A20-1197	9	1	IC GATE TTL LS NAND QUAD 2-INP	01295	SN74LS00N
A4U3	1826-0476	7	1	IC SW TL601CP	28480	1826-0476
A4U4	1A26-0476	7	1	IC SWITCH ANLG A-DIP=P	01295	TL601CP
A4U5	1826-0304	0	1	BIFET LF355H	28480	1826-0304
A4U6	1A20-1278	7	1	IC CNTR TTL LS RIN UP/DOWN SYNCHRO	01295	SN74LS191N
A4U7	1A20-1279	8	3	IC CNTR TTL LS DECD UP/DOWN SYNCHRO	01295	SN74LS190N
A4U8	1A20-1279	8	8	IC CNTR TTL LS DECD UP/DOWN SYNCHRO	01295	SN74LS190N
A4U9	1A20-1279	8	8	IC CNTR TTL LS DECD UP/DOWN SYNCHRO	01295	SN74LS190N
A4U10	1A20-1282	3	1	IC FF TTL LS J-K BAR POS-EDGE-TRIG	01295	SN74LS109AN
A4U11	1A20-1112	8	2	IC FF TTL LS D-TYPE POS-EDGE-TRIG	01295	SN74LS74N
A4U12	1A20-1112	8	1	IC FF TTL LS D-TYPE POS-EDGE-TRIG	01295	SN74LS74N
A4U13	1A20-1423	4	1	IC MV TTL LS MONOSTBL RETRIG DUAL	01295	SN74LS123N
A4U14	1A20-0693	4	1	IC FF TTL S D-TYPE POS-EDGE-TRIG	01295	SN74S74N
A4U15	1A21-0001	4	1	TRANSISTOR ARRAY	01928	CA3046
A4U16	1826-0304	0	1	BIFET LF355H	28480	1826-0304
A4U17	1826-0304	0	1	BIFET LF355H	28480	1826-0304
A4U18	1A20-1144	6	3	IC GATE TTL LS NOR QUAD 2-INP	01295	SN74LS02N
A4U19	1A58-0047	5	2	TRANSISTOR ARRAY 16-PIN	13606	ULN-2003A
A4U20	1A20-1144	6	1	IC GATE TTL LS NOR QUAD 2-INP	01295	SN74LS02N
A4U21	1A58-0047	5	1	TRANSISTOR ARRAY 16-PIN	13606	ULN-2003A
A4U22	1A20-1144	6	1	IC GATE TTL LS NOR QUAD 2-INP	01295	SN74LS02N
A4U23	1A26-0208	3	2	IC OP AMP GP 8-DIP=P	27014	LM310N
A4U24	1826-0416	5	1	IC LF13331-D AN SW	28480	1826-0416
A4U25	1A26-0208	3	1	IC OP AMP GP 8-DIP=P	27014	LM310N
A4U26	1A20-1730	6	3	IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS273N
A4U27	1A20-1216	3	1	IC DCOR TTL LS 3-YO-B-LINE 3-INP	01295	SN74LS136N
A4U28	1A20-1196	6	1	IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS174N
A4U29	1A20-1730	6	1	IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS273N
A4U30	1A20-1730	6	1	IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS273N
A4U31	1A20-1196	6	1	IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS174N
A4U32	1A20-1491	6	1	IC MFR TTL LS NON-INV HEX 1-INP	01295	SN74LS367AN
A4U41	1826-0416	5	1	IC 13331-D AN SW	28480	1826-0416
A4U42	1826-0416	5	1	IC 13331-D AN SW	28480	1826-0416
A4U101	1A26-0522	4	4	IC OP AMP QUAD 14-DIP=P	01295	TL074CN
A4U102	1A26-0522	4	4	IC OP AMP QUAD 14-DIP=P	01295	TL074CN
A4U103	1826-0522	4	4	IC OP AMP QUAD 14-DIP=P	01295	TL074CN
A4U104	1A26-0522	4	4	IC OP AMP QUAD 14-DIP=P	01295	TL074CN
A4U105	1A20-1199	1	1	IC INV TTL LS HEX 1-INP	01295	SN74LS804N
A4U106	1A20-0321	9	1	IC COMPARATOR GP TO=99	01295	SN72710L
A4U107	1A26-0111	7	1	IC OP AMP GP DUAL TO=99	04713	MC14586
A4U201	1826-0035	4	1	IC OP AMP LOA-DRIET TO=99	27014	LM308AH
A4U202	1A54-0830	6	1	TRANSISTOR-DUAL APN POW=500MA	27014	LM394
A4U203	1SB1-0021	1	1	RMS CONVERTER (POWER DETECTOR) MECHANICAL PARTS	28480	1SB1-0021
A4MP1	1205-0033	6	1	HT SINK-SEMICON	28480	1205-0033
A4MP2	1205-0018	1	1	HT SINK-SEMICON	28480	1205-0018
	2140-0016	8	1	RPG LIGHT BULB	28480	2140-0016

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
A5	03336-66505	5	1	KEYBOARD P.C. ASSEMBLY (33368)	28480	03336-66505
ASC1	0160-3847	9	5	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
ASC2	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
ASC3	0160-0062	6	1	CAPACITOR-FXD 300UF+75-10% 6VDC AL	28480	0160-0062
ASC4	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
ASC5	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
ASC6	0160-4571	8	1	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-4571
ASC7	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
ASC8	0180-1746	5	1	CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X902082
ASCR1	1990-0533	4	14	LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
ASCR2	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
ASCR3	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
ASCR4	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
ASCR5	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
ASCR6	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
ASCR7	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
ASCR8	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
ASCR9	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
ASCR10	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
ASCR11	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
ASCR12	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
ASCR13	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
ASCR14	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
ASCR15	1990-0486	8	2	LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	5082-4684
ASCR16	1990-0486	6		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	5082-4684
ASCR17	1990-0665	3	15	LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
ASCR18	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
ASCR19	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
ASCR20	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
ASCR21	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
ASCR22	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
ASCR23	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
ASCR24	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
ASCR25	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
ASCR26	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
ASCR27	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
ASCR28	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
ASCR29	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
ASCR30	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
ASCR31	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A5E1	03582-61620		1	RPG ASSY	28480	03582-61620
A5J2	1251-5041	2	1	CONNECTOR	28480	1251-5041
A5L1	9100-3334	2	1	COIL 25UH 10% 3D-NOM SRF#7MHZ	28480	9100-3334
A5Q1	1853-0016	8	8	TRANSISTOR PNP SI TO-92 PD#300MA	28480	1853-0016
A5Q2	1853-0016	8		TRANSISTOR PNP SI TO-92 PD#300MA	28480	1853-0016
A5Q3	1853-0016	8		TRANSISTOR PNP SI TO-92 PD#300MA	28480	1853-0016
A5Q4	1853-0016	8		TRANSISTOR PNP SI TO-92 PD#300MA	28480	1853-0016
A5Q5	1853-0016	8		TRANSISTOR PNP SI TO-92 PD#300MA	28480	1853-0016
A5Q6	1853-0016	8		TRANSISTOR PNP SI TO-92 PD#300MA	28480	1853-0016
A5Q7	1853-0016	8		TRANSISTOR PNP SI TO-92 PD#300MA	28480	1853-0016
A5Q8	1853-0016	8		TRANSISTOR PNP SI TO-92 PD#300MA	28480	1853-0016
A5R1	0683-2205	9	8	RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A5R2	0683-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A5R3	0683-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A5R4	0683-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A5R5	0683-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A5R6	0683-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A5R7	0683-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A5R8	0683-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A5R9	0757-0280	3	1	RESISTOR 1000 1% .125W	28480	0757-0280
A5R11	0683-1325	2	8	RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A5R12	0683-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A5R13	0683-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A5R14	0683-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A5R15	0683-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A5R16	0683-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A5R17	0683-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A5R18	0683-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A5R21	1810-0164	7	2	NETWORK-RES 9-SIP4.7K OHM X 8	91637	CSP09C07-472J
A5R22	1810-0164	7		NETWORK-RES 9-SIP4.7K OHM X 8	91637	CSP09C07-472J
A5R23	1810-0135	2	1	NETWORK-RES 6-SIP10.0K OHM X 8	28480	1810-0135
A5R24	1810-0055	5	1	NETWORK-RES 9-SIP10.0K OHM X 5	28480	1810-0055
A5R25	0811-3069	8	1	RESISTOR 1 5% .5W PW TC#0/+150	75042	B#20-1-1R0-J

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	
A58W1	5060-9436	7	3A	PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W2	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W3	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W4	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W5	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W6	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W7	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W8	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W9	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W10	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W11	5060-9436	7	3A	PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W12	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W13	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W14	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W15	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W16	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W17	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W18	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W19	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W20	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W21	5060-9436	7	3A	PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W22	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W23	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W24	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W25	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W26	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W27	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W28	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W29	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W30	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W31	5060-9436	7	3A	PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W32	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W33	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W34	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W35	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W36	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W37	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W38	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436	
A58W39	3101-2441	6		1	SW-PSHBIN	28480	3101-2441
A5U1	1990-0592	5		11	DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A5U2	1990-0592	5	DISPLAY-NUM-SEG 1-CHAR .43-H		28480	5082-7653	
A5U3	1990-0592	5	DISPLAY-NUM-SEG 1-CHAR .43-H		28480	5082-7653	
A5U4	1990-0592	5	DISPLAY-NUM-SEG 1-CHAR .43-H		28480	5082-7653	
A5U5	1990-0592	5	DISPLAY-NUM-SEG 1-CHAR .43-H		28480	5082-7653	
A5U6	1990-0592	5	DISPLAY-NUM-SEG 1-CHAR .43-H		28480	5082-7653	
A5U7	1990-0592	5	DISPLAY-NUM-SEG 1-CHAR .43-H		28480	5082-7653	
A5U8	1990-0592	5	DISPLAY-NUM-SEG 1-CHAR .43-H		28480	5082-7653	
A5U9	1990-0592	5	DISPLAY-NUM-SEG 1-CHAR .43-H		28480	5082-7653	
A5U10	1990-0592	5	DISPLAY-NUM-SEG 1-CHAR .43-H		28480	5082-7653	
A5U11	1990-0592	5	3	DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653	
A5U12	1A5A-0047	5		3	TRANSISTOR ARRAY 16-PIN	13606	ULN-2003A
A5U13	1820-1200	5		2	IC INV TTL LS HEX	01295	SN74LS05N
A5U14	1820-1433	6		2	IC SHF-RGTR TTL LS R-S SERIAL-IN PRL-OUT	01295	SN74LS164N
A5U15	1858-0047	5		TRANSISTOR ARRAY 16-PIN	13606	ULN-2003A	
A5U16	1820-1200	5		IC INV TTL LS HEX	01295	SN74LS05N	
A5U17	1820-1433	6		IC SHF-RGTR TTL LS R-S SERIAL-IN PRL-OUT	01295	SN74LS164N	
A5U18	1A5A-0047	5		TRANSISTOR ARRAY 16-PIN	13606	ULN-2003A	
A5U19	1820-1730	6		1	IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS273N
A5U20	1820-1112	8		1	IC FF TTL LS D-TYPE POS-EDGE-TRIG	01295	SN74LS74N
A5U21	1820-1438	1	1	IC MUXR/DATA-SEL TTL LS 2-TO-1-LINE QUAD	01295	SN74LS257AN	
	1200-0473		1	SOCKET-IC 16 DIP	28480	1200-0473	
	1200-0638		1	SOCKET-IC 14 DIP	28480	1200-0638	

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
				NOTE		
				KEYCAP DESIGNATORS CORRESPOND TO SWITCH DESIGNATORS. EXAMPLE: A5KS1 IS THE KEYCAP FOR A5SW1. KEYCAPS ALSO APPLY TO A15 AND A25 FRONT PANELS.		
A5KS1	5041-0943		1	KEYCAP LOCAL	28480	5041-0943
A5KS2	5041-0384		6	KEYCAP SMOKEPIPE	28480	5041-0384
A5KS3	5041-0384			KEYCAP SMOKEPIPE	28480	5041-0384
A5KS4	5041-0384			KEYCAP SMOKEPIPE	28480	5041-0384
A5KS5	5041-0384			KEYCAP SMOKEPIPE	28480	5041-0384
A5KS6	5041-0384			KEYCAP SMOKEPIPE	28480	5041-0384
A5KS7	5041-0384			KEYCAP SMOKEPIPE	28480	5041-0384
A5KS8	5041-0451		1	KEYCAP BLUEPIPE	28480	5041-0451
A5KS9	5041-0319		7	KEYCAP BLK W/LIGHT	28480	5041-0319
A5KS10	5041-0319			KEYCAP BLK W/LIGHT	28480	5041-0319
A5KS11	5041-0319			KEYCAP BLK W/LIGHT	28480	5041-0319
A5KS12	5041-1822		1	KEYCAP - STORE	28480	5041-1822
A5KS13	5041-0817		1	KEYCAP - 7	28480	5041-0817
A5KS14	5041-0818		1	KEYCAP - 8	28480	5041-0818
A5KS15	5041-0816	9	1	KEYCAP - 9 (INVERT)	28480	5041-0816
A5KS16	5041-1819		1	KEYCAP - MHZ	28480	5041-1819
A5KS17	5041-1821		1	KEYCAP - RECALL	28480	5041-1821
A5KS18	5041-0814		1	KEYCAP - 4	28480	5041-0814
A5KS19	5041-0815		1	KEYCAP - 5	28480	5041-0815
A5KS20	5041-0816		1	KEYCAP - 6	28480	5041-0816
A5KS21	5041-1820		1	KEYCAP - KHZ	28480	5041-1820
A5KS22	5041-0946		1	KEYCAP - CLEAR	28480	5041-0946
A5KS23	5041-0811		1	KEYCAP - 1	28480	5041-0811
A5KS24	5041-0812		1	KEYCAP - 2	28480	5041-0812
A5KS25	5041-0813		1	KEYCAP - 3	28480	5041-0813
A5KS26	5041-1817		1	KEYCAP - HZ	28480	5041-1817
A5KS27	5041-0758		1	KEYCAP - DASH	28480	5041-0758
A5KS28	5041-1819		1	KEYCAP - 9	28480	5041-1819
A5KS29	5041-0808		1	KEYCAP - PERIOD	28480	5041-0808
A5KS30	5041-1798		1	KEYCAP - DEG	28480	5041-1798
A5KS31	5041-1818		1	KEYCAP - DBM	28480	5041-1818
A5KS32	5041-0285		1	KEYCAP PEARLPIPF	28480	5041-0285
A5KS33	5041-0922		2	KEYCAP - LEFT ARROW	28480	5041-0922
A5KS34	5041-0922	8	1	KEYCAP - RIGHT ARROW (INVERT)	28480	5041-0922
A5KS35	5041-0319			KEYCAP BLK W/LIGHT	28480	5041-0319
A5KS36	5041-0319			KEYCAP BLK W/LIGHT	28480	5041-0319
A5KS37	5041-0319			KEYCAP BLK W/LIGHT	28480	5041-0319
A5KS38	5041-0319			KEYCAP BLK W/LIGHT	28480	5041-0319
A5KS44	5041-0944		1	KEYCAP - POWER	28480	5041-0944

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
A6	03336-66506	6	1	MICROPROCESSOR CONTROL P.C. ASSEMBLY	28480	03336-66506
A6C1	0160-0978	1	1	CAPACITOR-FXD 1500PF +-1% 50VDC MICA	28480	0160-0978
A6C2	0160-3847	9	23	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C3	0160-0337	6	2	CAPACITOR-FXD 160PF +-1% 300VDC MICA	28480	0160-0337
A6C4	0160-0337	6		CAPACITOR-FXD 160PF +-1% 300VDC MICA	28480	0160-0337
A6C5	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C6	0160-0228	6	1	CAPACITOR-FXD 22UF+-10% 15VDC TA	56289	150D22X9015B2
A6C7	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C19	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C20	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C21	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C22	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C23	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C24	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C25	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C26	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C27	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C28	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C29	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C30	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C31	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C32	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C33	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C34	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C35	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C36	0180-2823	1	4	CAPACITOR-FXD 470UF+50-10% 6.3VDC AL	28480	0180-2823
A6C37	0180-2823	1		CAPACITOR-FXD 470UF+50-10% 6.3VDC AL	28480	0180-2823
A6C38	0180-0692	8	2	CAPACITOR-FXD 220UF+50-10% 35VDC AL	0049D	35V88L220
A6C39	0180-0692	8		CAPACITOR-FXD 220UF+50-10% 35VDC AL	0049D	35V88L220
A6C40	0180-2823	1		CAPACITOR-FXD 470UF+50-10% 6.3VDC AL	28480	0180-2823
A6C42	0160-2204	0	2	CAPACITOR-FXD 100PF +-5% 300VDC MICA	28480	0160-2204
A6C43	0160-2204	0		CAPACITOR-FXD 100PF +-5% 300VDC MICA	28480	0160-2204
A6C51	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C52	0180-2823	1		CAPACITOR-FXD 470UF+50-10% 6.3VDC AL	28480	0180-2823
A6C53	0180-2826	4	1	CAPACITOR-FXD 1000UF+50-10% 16VDC AL	28480	0180-2826
A6C54	0160-3558	9	3	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A6C55	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A6C56	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C57	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A6C58	0160-3622	8	3	CAPACITOR-FXD .1UF +80-20% 100VDC CER	26654	2130Y9V100R104Z
A6C59	0160-3622	8		CAPACITOR-FXD .1UF +80-20% 100VDC CER	26654	2130Y9V100R104Z
A6C60	0160-3622	8		CAPACITOR-FXD .1UF +80-20% 100VDC CER	26654	2130Y9V100R104Z
A6C61	0160-2009	3	2	CAPACITOR-FXD 820PF +-5% 300VDC MICA	28480	0160-2009
A6C62	0160-2009	3		CAPACITOR-FXD 820PF +-5% 300VDC MICA	28480	0160-2009
A6C63	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A6CR1	1902-3153	5	1	DIODE-ZNR 9.31V 2% 00-7 PDM 4W TC=+.058%	28480	1902-3153
A6CR2	1901-0040	1	3	DIODE-SWITCHING 30V 50MA 2NS DD-35	28480	1901-0040
A6CR4	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DD-35	28480	1901-0040
A6CR5	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DD-35	28480	1901-0040
A6L1	9100-2459	0	1	COIL-MLD 121UH 1% D#60 .156DX.375LG-NOM	28480	9100-2459
A6L2	9100-1637	4	1	COIL-MLD 120UH 5% D#65 .155DX.375LG-NOM	28480	9100-1637
A6L3	9100-3334	2	1	COIL 25UH 10% .3D-NOM 9RF#7MHZ	28480	9100-3334
A6P1	1200-0473	8	1	SOCKET-IC 16-CONT DIP DIP-SLDR	28480	1200-0473
A6P2	1251-6567	1	1	CONNECTOR	28480	1251-6567
A6P3	1251-6567	1	1	CONNECTOR	28480	1251-6567
A6P4	1251-6567	1	1	CONNECTOR	28480	1251-6567
A6P5	1251-3750	7	1	CONNECTOR 10-PIN M POST TYPE	28480	1251-3750
A6P5P	1251-4245	7	1	CONNECTOR 2-PIN M POST TYPE	28480	1251-4245
A6Q1	1854-0071	7	1	TRANSISTOR NPN 81 PD=300MW FT=200MHZ	28480	1854-0071
A6Q2	1854-0215	1	1	TRANSISTOR NPN 81 PD=350MW FT=300MHZ	04713	2N3904
A6R1	0698-8344	0	1	RESISTOR 604K 1% .125W F TC=0/+100	28480	0698-8344
A6R2	06A3-7525	6	1	RESISTOR 7.5K 5% .25W FC TC=400/+700	01121	C87525
A6R3	06A3-6815	5	1	RESISTOR 680 5% .25W FC TC=400/+600	01121	C86815
A6R4	06A3-1025	9	1	RESISTOR 1K 5% .25W FC TC=400/+600	01121	C81025
A6R5	06A3-1035	1	4	RESISTOR 10K 5% .25W FC TC=400/+700	01121	C81035
A6R6	1810-0055	5	1	NETWORK - RES SIP 10K OHM X 8	28480	1810-0055
A6R7	0698-8279	9	1	RESISTOR 0.99K 1% .125W F TC=0/+100	24546	C4-1/8-T0-4991-F
A6R8	0757-0443	0	1	RESISTOR 11K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1102-F
A6R9	1810-0076	0	1	NETWORK-RES 9-SIP 1.8K OHM X 8	28480	1810-0076
A6R10	06A3-1825	7	3	RESISTOR 1.8K 5% .25W FC TC=400/+700	01121	C81825

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
A6R11	06R3-1825	7		RESISTOR 1.8K 5% .25W FC TC=400/+700	01121	CB1825
A6R12	06R3-1825	7		RESISTOR 1.8K 5% .25W FC TC=400/+700	01121	CB1825
A6R13	1810-0140	9	1	NETWORK-RES 4-SIP22.0K OHM X 3	91637	CSPO4C07-223J
A6R14	06R3-1035	1		RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
A6R15	06R3-3625	9	2	RESISTOR 3.6K 5% .25W FC TC=400/+700	01121	CB3625
A6R16	06R3-3625	9		RESISTOR 3.6K 5% .25W FC TC=400/+700	01121	CB3625
A6R17	1810-0229	5	1	NETWORK-RES 8-SIP330.0 OHM X 7	01121	288A331
A6R18	1810-0055	5	1	NETWORK-RES 9-SIP10.0K OHM X 8	28480	1810-0055
A6R19	06R3-1515	2	1	RESISTOR 150 5% .25W FC TC=400/+600	01121	CB1515
A6R20	06R3-1035	1		RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
A6R21	0698-6619	8	1	RESISTOR 15K .1% .125W F TC=0/+25	28480	0698-6619
A6R22	0699-0107	9	1	RESISTOR 4.75K .1% .125W F TC=0/+25	28480	0699-0107
A6R23	06R3-5115	6	4	RESISTOR 510 5% .25W FC TC=400/+600	01121	CB5115
A6R24	06R3-5115	6		RESISTOR 510 5% .25W FC TC=400/+600	01121	CB5115
A6R26	06R3-1835	9	1	RESISTOR 18K 5% .25W FC TC=400/+800	01121	CB1835
A6R51	1810-0136	3	1	NETWORK-RES 10-SIP MULTI-VALUE	28480	1810-0136
A6R52	06R3-1035	7	1	NETWORK-RES 8-SIP3.3K OHM X 7	28480	1810-0297
A6R53	06R3-1035	1		RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
A6R54	06R3-5115	6		RESISTOR 510 5% .25W FC TC=400/+600	01121	CB5115
A6R55	06R3-5115	6		RESISTOR 510 5% .25W FC TC=400/+600	01121	CB5115
A6U1	1818-1111	2	1	IC-MEMORY ROM	28480	1818-1111
A6U2	1818-1110	1	1	IC-MEMORY ROM	28480	1818-1110
A6U3	1818-1109	8	1	IC-MEMORY ROM	28480	1818-1109
A6U4	1818-1112	3	1	IC-MEMORY ROM	28480	1818-1112
A6U5	1820-1197	9	8	IC GATE TTL LS NAND QUAD 2-INP	01295	SN74LS00N
A6U6	1818-0438	4	1	IC NMOS 4K RAM STAT 450-NS 3-S	01295	TM8404S-45JL
A6U7	1820-1195	7	3	IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS175N
A6U8	1826-0180	0	1	IC TIMER TTL MONO/ASTBL	04713	MC1455P1
A6U9	1820-1691	8	1	IC MICPROC NMOS	28480	1820-1691
A6U10	1820-1759	9	6	IC BFR TTL LS NON-INV OCTL	27014	DM81LS97N
A6U11	1818-0199	4	2	IC NMOS 1K RAM STAT 500-NS	34335	A49112APC
A6U12	1818-0199	4		IC NMOS 1K RAM STAT 500-NS	34335	A49112APC
A6U13	1820-1195	7		IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS175N
A6U14	1820-1196	8	1	IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS174N
A6U15	1820-0174	0	1	IC INV TTL HEX	01295	SN7404N
A6U16	1820-1216	3	3	IC ODDR TTL LS 3-TO-8-LINE 3-INP	01295	SN74LS138N
A6U17	1820-1216	3		IC ODDR TTL LS 3-TO-8-LINE 3-INP	01295	SN74LS138N
A6U18	1820-0683	6	1	IC SN74SO4N	28480	1820-0683
A6U19	1820-1759	9		IC BFR TTL LS NON-INV OCTL	27014	DM81LS97N
A6U20	1820-1194	6	2	IC CNTR TTL LS BIN UP/DOWN SYNCHRD	01295	SN74LS193N
A6U21	1820-1194	6		IC CNTR TTL LS BIN UP/DOWN SYNCHRD	01295	SN74LS193N
A6U22	1820-1759	9		IC BFR TTL LS NON-INV OCTL	27014	DM81LS97N
A6U23	1820-1197	9		IC GATE TTL LS NAND QUAD 2-INP	01295	SN74LS00N
A6U24	1820-1208	3	2	IC GATE TTL LS OR QUAD 2-INP	01295	SN74LS32N
A6U25	1820-1216	3		IC ODDR TTL LS 3-TO-8-LINE 3-INP	01295	SN74LS138N
A6U26	1820-1759	9		IC BFR TTL LS NON-INV OCTL	27014	DM81LS97N
A6U27	1820-1730	6	2	IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS273N
A6U28	1820-1759	9		IC BFR TTL LS NON-INV OCTL	27014	DM81LS97N
A6U29	1820-1433	6	1	IC SNF-PGTR TTL LS 8-8 SERIAL-IN PRL-OUT	01295	SN74LS164N
A6U30	1820-1197	9		IC GATE TTL LS NAND QUAD 2-INP	01295	SN74LS00N
A6U31	1820-1208	3		IC GATE TTL LS OR QUAD 2-INP	01295	SN74LS32N
A6U32	1820-1195	7		IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS175N
A6U33	1820-1197	9		IC GATE TTL LS NAND QUAD 2-INP	01295	SN74LS00N
A6U34	1820-1112	8	3	IC FF TTL LS D-TYPE POS-EDGE-TRIG	01295	SN74LS74N
A6U35	1820-1568	8	1	IC BFR TTL LS BUS QUAD	01295	SN74LS125AN
A6U36	1820-0684	7	1	IC SN74S05N	28480	1820-0684
A6U37	1820-1975	1	1	IC SNF-PGTR TTL LS NEG-EDGE-TRIG PRL-IN	01295	SN74LS165N
A6U38	1820-1759	9		IC BFR TTL LS NON-INV OCTL	27014	DM81LS97N
A6U39	1820-1144	6	1	IC GATE TTL LS NOR QUAD 2-INP	01295	SN74LS02N
A6U40	1820-1199	1		IC INV TTL LS HEX 1-INP	01295	SN74LS04N
A6U41	1820-1206	1	1	IC GATE TTL LS NOR TPL 3-INP	01295	SN74LS27N
A6U42	1820-1132	8		IC FF TTL LS D-TYPE POS-EDGE-TRIG	01295	SN74LS74N
A6U43	1820-1873	8	1	IC BFR TTL LS INV OCTL 2-INP	27014	DM81LS98N
A6U44	1820-0477	6	1	IC OP AMP GP 8-DIP-P	18324	LM301AN
A6U45	1820-1434	3	1	IC CNTR TTL LS BIN SYNCHRD POS-EDGE-TRIG	01295	SN74LS161AN
A6U46	1820-1197	9		IC GATE TTL LS NAND QUAD 2-INP	01295	SN74LS00N
A6U51	1990-0444	6	1	OPTO-ISOLATOR LED-PDIO/XSTR IF=50MA-VAX	28480	6N136
A6U52	1990-0577	6	2	OPTO-ISOLATOR LED-PDIO/XSTR IF=50MA-VAX	28480	50A2-4355
A6U53	1990-0577	6		OPTO-ISOLATOR LED-PDIO/XSTR IF=50MA-VAX	28480	50A2-4355
A6U54	1990-0461	7	2	OPTO-ISOLATOR LED-IC GATE IF=10MA-VAX	28480	50A2-4364
A6U55	1990-0461	7		OPTO-ISOLATOR LED-IC GATE IF=10MA-VAX	28480	50A2-4364
A6U56	1820-0621	2	2	IC BFR TTL NAND QUAD 2-INP	01295	SN74LS04N

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
A6U57	1820-1300	6	3	IC SHF-RGTR TTL LS R-8 PRL-IN PRL-OUT	01295	8N74LS195AN
A6U58	1820-1300	6		IC SHF-RGTR TTL LS R-8 PRL-IN PRL-OUT	01295	8N74LS195AN
A6U59	1820-1300	6		IC SHF-RGTR TTL LS R-8 PRL-IN PRL-OUT	01295	8N74LS195AN
A6U60	1820-1416	5	2	IC SCHMITT-TRIG TTL LS INV HEX 1-INP	01295	8N74LS14N
A6U61	1820-1440	5	1	IC LCM TTL LS QUAD	01295	8N74LS279N
A6U62	1820-1197	9		IC GATE TTL LS NAND QUAD 2-INP	01295	8N74LS00N
A6U63	1820-1416	5		IC SCHMITT-TRIG TTL LS INV HEX 1-INP	01295	8N74LS14N
A6U64	1820-1112	8		IC FF TTL LS D-TYPE POS-EDGE-TRIG	01295	8N74LS74N
A6U65	1820-0144	6	1	IC 7805 V RGLTR TO-220	04713	MC7805CP
A6U66	1820-1558	6	2	IC UART TTL QUAD	04713	MC3441AP
A6U67	1820-1558	6		IC UART TTL QUAD	04713	MC3441AP
A6U68	1820-1730	6		IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	8N74LS273N
A6U69	1820-0621	2		IC BFR TTL NAND QUAD 2-INP	01295	8N74LS8N
A6U70	1820-1197	9		IC GATE TTL LS NAND QUAD 2-INP	01295	8N74LS00N
A6U71	1820-1204	9	1	IC GATE TTL LS NAND DUAL 4-INP	01295	8N74LS20N
A6U72	1820-1197	9		IC GATE TTL LS NAND QUAD 2-INP	01295	8N74LS00N
A6U73	1820-1281	2	1	IC DCDR TTL LS 2-TO-4-LINE DUAL 2-INP	01295	8N74LS139N
A6U74	1906-0096	7	1	DIODE-FW BRDG 200V 2A	04713	MDA202
A6U75	1820-1199	1		IC INV TTL LS HEX 1-INP	01295	8N74LS04N
	0380-1188		1	HEX STANDOFF HP-IB TO REAR PANEL	28480	0380-1188

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
A7	03336-66507	8	1	ATTENUATOR P.C. ASSEMBLY	28480	03337-66507
A7C1	0160-4571	8	0	CAPACITOR-FXD .1UF +80-20% 50VDC CER	28480	0160-4571
A7C2	0160-4571	8	0	CAPACITOR-FXD .1UF +80-20% 50VDC CER	28480	0160-4571
A7C3	0160-3558	9	9	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A7C4	0160-4571	8	8	CAPACITOR-FXD .1UF +80-20% 50VDC CER	28480	0160-4571
A7C5	0160-4571	8	8	CAPACITOR-FXD .1UF +80-20% 50VDC CER	28480	0160-4571
A7C7	0160-3558	9	9	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A7C8	0160-3558	9	9	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A7C9	0160-3558	9	9	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A7C10	0160-3558	9	9	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A7C11	0160-3558	9	9	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A7C12	0160-3558	9	9	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A7C13	0160-3558	9	9	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A7C14	0160-3558	9	9	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A7C15	0160-2239	1	1	CAPACITOR-FXD 1.8PF +-25PF 500VDC CER	28480	0160-2239
A7K1	0490-1141	1	4	RELAY	28480	0490-1141
A7K2	0490-1141	1	4	RELAY	28480	0490-1141
A7K3	0490-1141	1	4	RELAY	28480	0490-1141
A7K4	0490-1141	1	4	RELAY	28480	0490-1141
A7R1	0699-0065	8	2	RESISTOR 51.01 .25% .5W F TC0+-50	28480	0699-0065
A7R2	0699-0065	8	2	RESISTOR 51.01 .25% .5W F TC0+-50	28480	0699-0065
A7R3	0699-0273	0	1	RESISTOR 2.15K .1% .125W F TC0+-25	28480	0699-0273
A7R4	0699-0274	1	1	RESISTOR 350 .1% .125W F TC0+-25	28480	0699-0274
A7R5	0698-9258	5	1	RESISTOR 247.5 .1% .25W F TC0+-25	19701	MF52C1/4-T9-247R5-B
A7R6	0698-7984	2	2	RESISTOR 61.1 .1% .5W F TC0+-50	28480	0698-7984
A7R7	0698-7984	2	2	RESISTOR 61.1 .1% .5W F TC0+-50	28480	0698-7984
A7R8	0698-7982	0	1	RESISTOR 71.16 .1% .25W F TC0+-50	19701	MF52C1/4-T2-71R16-B
A7R9	0698-7981	9	2	RESISTOR 96.25 .1% .25W F TC0+-50	19701	MF52C1/4-T2-96R25-B
A7R10	0698-7981	9	2	RESISTOR 96.25 .1% .25W F TC0+-50	19701	MF52C1/4-T2-96R25-B
A7R11	0698-8011	8	1	RESISTOR 25 .1% .25W F TC0+-50	19701	MF52C1/4-T2-25R0-B
MECHANICAL PARTS						
A7MP1	03336-60601		1	BOX ASY	28480	03336-60601
A7MP2	03336-64115		1	COVER	28480	03336-64115
A7C21	0160-4386		1	C-F 33 PF	04393	200-200-NPO-350J
A7C22	0160-3874		1	C-F 10 PF	28480	0160-3874
A7L1, L2	9100-2247		2	COIL 100 NH	28480	9100-2247

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
A8	03336-69210	5	1	REBUILT ATTENUATOR CONTROL P.C. ASSEMBLY (OPT 005) - EXCHANGE ASSEMBLY	28480	03336-69210
A8	03336-64210	5	1	NEW ATTENUATOR CONTROL P.C. ASSEMBLY (OPT 005)	28480	03336-64210
AAQ1	1A53-0419	5	4	TRANSISTOR PNP SI PD=310MW FT=200MHZ	01295	2N4403
AAQ2	1A53-0419	5		TRANSISTOR PNP SI PD=310MW FT=200MHZ	01295	2N4403
AAQ3	1A53-0419	5		TRANSISTOR PNP SI PD=310MW FT=200MHZ	01295	2N4403
AAQ4	1A53-0419	5		TRANSISTOR PNP SI PD=310MW FT=200MHZ	01295	2N4403
AAR1	06A3-1025	9	5	RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
AAR2	06A3-2025	1	5	RESISTOR 2K 5% .25W FC TC=400/+700	01121	CB2025
AAR3	06A3-2025	1		RESISTOR 2K 5% .25W FC TC=400/+700	01121	CB2025
AAR4	06A3-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
AAR5	0686-3305	8	1	RESISTOR 33 5%	28480	0686-3305
AAR6	06A3-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
AAR7	06A3-2025	1		RESISTOR 2K 5% .25W FC TC=400/+700	01121	CB2025
AAR8*	0757-0443	0	1	RESISTOR 11K 1% .125W	28480	0757-0443
AAR8*	0698-3359	7	1	RESISTOR 12.7K 1% .125W	28480	0698-3359
AAR8*	0698-3156	2	1	RESISTOR 14.7K 1% .125W	28480	0698-3156
AAR8*	0698-4482	9	1	RESISTOR 17.4K 1% .125W	28480	0698-4482
AAR8*	0757-0199	3	1	RESISTOR 21.5K 1% .125W	28480	0757-0199
AAR8*	0698-4488	5	1	RESISTOR 26.7 1% .125W	28480	0698-4488
AAR8*	0757-0123	3	1	RESISTOR 34.8K 1% .125W	28480	0757-0123
AAR9	06A3-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
AAR10	0686-3305	8	1	RESISTOR 33 5%	28480	0686-3305
ASL1	5060-9598	2	2	LATCH ASSEMBLY	28480	5060-9598
ASL2	5060-9598	2		LATCH ASSEMBLY	28480	5060-9598
MECHANICAL PARTS						
A8J1, J2, J3	1250-1486		3	CONNECTOR, SMA	28480	1250-1486
A8MP1	03335-89512		1	CONTACT, INPUT	28480	03335-89512
A8MP2	03335-89515		3	CONTACT, PASS THRU	28480	03335-89515
A8MP3	03335-89514		1	CONTACT, CROSSOVER	28480	03335-89514
A8MP4	03335-89513		2	CONTACT, BYPASS	28480	03335-89513
A8MP5	03335-89511		1	CONTACT, 50 OHM OUT	28480	03335-89511
A8MP6	8160-0256		8	FUZZ, BUTTON	28480	8160-0256
A8ZU1	03335-89503		1	10 DB PAD	28480	03335-89503
A8ZU2	03335-89502		1	20 DB PAD	28480	03335-89502
A8ZU3	03335-89501		1	10 DB PAD	28480	03335-89501
A8ZU4	03335-89506		1	25 OHM PAD	28480	03335-89506
A9	03325-66509	9	1	HIGH STAB FREQ. REF. P.C ASSEMBLY (OPTION 004)	28480	03325-66509
A9C1	0160-0692	8	1	CAPACITOR=FXD 220UF+50-10% 35VDC AL	00490	35V88L220
A9C2	0160-3847	9	2	CAPACITOR=FXD .015UF +-20% 50VDC CER	28480	0160-3847
A9C3	0160-3847	9		CAPACITOR=FXD .015UF +-20% 50VDC CER	28480	0160-3847
A9C4	0160-0693	9	1	CAPACITOR=FXD 1000UF+50-10% 25VDC AL	00490	25V88L1000
A9CR1	1901-0049	0	2	DIODE-PWR RECT 50V 750MA DD-29	28480	1901-0049
A9CR2	1901-0049	0		DIODE-PWR RECT 50V 750MA DD-29	28480	1901-0049
A9CR3	1902-0049	2	1	DIODE-ZNR 6.19V 5% DD-7 PD=.4W TC=+.022X	28480	1902-0049
A9E1	0960-0465		1	OSCILLATOR, HIGH STABILITY	28480	0960-0465
A9J1	1251-4246	A	1	CONNECTOR 3-PIN M POST TYPE	28480	1251-4246
A9J19	1251-2969	8	1	CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
A9Q1	1A54-0053	5	1	TRANSISTOR NPN 2N221A SI TO-5 PD=800MW	04713	2N221A
A9Q2	1A53-0450	4	1	TRANSISTOR PNP SI TO-220AB PD=60W	04713	4JE371K
A9R1	06A3-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
A9R2	06A3-1035	1	1	RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
A9R3	06A3-3325	6	1	RESISTOR 3.3K 5% .25W FC TC=400/+700	01121	CB3325
A9R4	0757-0290	5	1	RESISTOR 6.19K 1% .125W F TC=0/+100	19701	MF4C1/8-T0-6191-F
A9R5	0698-3498	5	1	RESISTOR 8.66K 1% .125W F TC=0/+100	24546	C4=1/8-T0-866R-F
A9R6	0698-3274	5	1	RESISTOR 10K 1% .125W F TC=0/+25	28480	0698-3274
A9R7	2100-3252	6	1	RESISTOR-TWR 5K 10% C TOP=ADJ 1-TRN	28480	2100-3252
A9R8	06A3-1015	7	1	RESISTOR 100 5% .25W FC TC=400/+500	01121	CB1015
A9R9	06A3-2025	1		RESISTOR 2K 5% .25W FC TC=400/+700	01121	CB2025
A9U1	1A20-0216	1	1	IC OP AMP GP 8-DIP-P	28480	1A20-0216

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
A10	03336-66510	2	1	BALANCED OUTPUT P.C. ASSEMBLY (3336B)	28480	03336-66510
A10C1	0160-3558	9	16	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10C2	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10C3	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10C4	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10C5	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10C7	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10C8	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10C9	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10C10	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10C11	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10C12	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10C13	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10C14	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10C15	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10C16	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10C17	0160-2973	2	1	CAPACITOR-FXD 50UF+50-10% 200VDC AL NPOL	56289	610D106F200DL2
A10C18	0160-0161	4	1	CAPACITOR-FXD .01UF 200V	28480	0160-0161
A10C19*	0160-2207	3	1	CAPACITOR-FXD 300PF 300V MICA	28480	0160-2207
A10C19*	0160-2208	4	1	CAPACITOR-FXD 330PF 300V MICA	28480	0160-2208
A10C19*	0160-2209	5	1	CAPACITOR-FXD 360PF 300V MICA	28480	0160-2209
A10C19*	0140-0200	0	1	CAPACITOR-FXD 390PF 300V MICA	28480	0140-0200
A10C20*	0160-2207	3	1	CAPACITOR-FXD 300PF 300V MICA	28480	0160-2207
A10C20*	0160-2208	4	1	CAPACITOR-FXD 330PF 300V MICA	28480	0160-2208
A10C20*	0160-2209	5	1	CAPACITOR-FXD 360PF 300V MICA	28480	0160-2209
A10C20*	0140-0200	0	1	CAPACITOR-FXD 390PF 300V MICA	28480	0140-0200
A10C21	0160-0573	2	6	CAPACITOR-FXD 4700PF +-20% 100VDC CER	28480	0160-0573
A10C22	0160-0573	2		CAPACITOR-FXD 4700PF +-20% 100VDC CER	28480	0160-0573
A10C23	0160-3914	1	4	CAPACITOR-FXD .01UF +-10% 100VDC CER	28480	0160-3914
A10C24	0160-3468	0	2	CAPACITOR-FXD .12UF +-10% 80VDC POLYE	28480	0160-3468
A10C25	0160-2199	2	4	CAPACITOR-FXD 30PF +-5% 300VDC MICA	28480	0160-2199
A10C26	0160-0575	4	2	CAPACITOR-FXD .047UF +-20% 50VDC CER	28480	0160-0575
A10C27	0160-0575	4		CAPACITOR-FXD .047UF +-20% 50VDC CER	28480	0160-0575
A10C28	0160-3914	1		CAPACITOR-FXD .01UF +-10% 100VDC CER	28480	0160-3914
A10C29	0160-0573	2		CAPACITOR-FXD 4700PF +-20% 100VDC CER	28480	0160-0573
A10C30	0160-0573	2		CAPACITOR-FXD 4700PF +-20% 100VDC CER	28480	0160-0573
A10C31	0160-2199	2		CAPACITOR-FXD 30PF +-5% 300VDC MICA	28480	0160-2199
A10C32	0160-0572	1	4	CAPACITOR-FXD 2200PF +-20% 100VDC CER	28480	0160-0572
A10C33	0160-0572	1		CAPACITOR-FXD 2200PF +-20% 100VDC CER	28480	0160-0572
A10C34	0160-0573	2		CAPACITOR-FXD 4700PF +-20% 100VDC CER	28480	0160-0573
A10C35	0160-2199	2		CAPACITOR-FXD 30PF +-5% 300VDC MICA	28480	0160-2199
A10C36	0160-3914	1		CAPACITOR-FXD .01UF +-10% 100VDC CER	28480	0160-3914
A10C37	0160-3914	1		CAPACITOR-FXD .01UF +-10% 100VDC CER	28480	0160-3914
A10C38	0160-3468	0		CAPACITOR-FXD .12UF +-10% 80VDC POLYE	28480	0160-3468
A10C39	0160-0573	2		CAPACITOR-FXD 4700PF +-20% 100VDC CER	28480	0160-0573
A10C40	0160-0572	1		CAPACITOR-FXD 2200PF +-20% 100VDC CER	28480	0160-0572
A10C41	0160-0572	1		CAPACITOR-FXD 2200PF +-20% 100VDC CER	28480	0160-0572
A10C42	0160-2199	2		CAPACITOR-FXD 30PF +-5% 300VDC MICA	28480	0160-2199
A10C43	0160-0161	4	1	CAPACITOR-FXD .01UF 200V	28480	0160-0161
A10C44	0160-3558	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-3558
A10K1	0490-1141	1	2	RELAY	28480	0490-1141
A10K2	0490-1141	1		RELAY	28480	0490-1141
A10L1	9140-0283	8	5	COIL-MLD 910NH 5% 0#50 .155DX.375LG-NOM	28480	9140-0283
A10L2	9140-0283	8		COIL-MLD 910NH 5% 0#50 .155DX.375LG-NOM	28480	9140-0283
A10L3	9140-0283	8		COIL-MLD 910NH 5% 0#50 .155DX.375LG-NOM	28480	9140-0283
A10L4	9140-0283	8		COIL-MLD 910NH 5% 0#50 .155DX.375LG-NOM	28480	9140-0283
A10L5	9140-0283	8		COIL-MLD 910NH 5% 0#50 .155DX.375LG-NOM	28480	9140-0283
A10L6	9140-0266	7	2	COIL-MLD 1.8UH 5% 0#33 .155DX.375LG-NOM	28480	9140-0266
A10L7	9140-0266	7		COIL-MLD 1.8UH 5% 0#33 .155DX.375LG-NOM	28480	9140-0266
A10L8	9104-0351	1		COIL-MLD .18UH	28480	9104-0351
A10L9	9104-0351	1		COIL-MLD .18UH	28480	9104-0351
A10L10	9100-3314	1		COIL-MLD .15UH	28480	9100-3314
A10L11	9100-3314	1		COIL-MLD .15UH	28480	9100-3314
A10R1	0698-4445	4	2	RESISTOR 5.76k 1% .125W F TC=0+100	24546	C4=1/8-T0-5761-F
A10R2	0757-0276	7	2	RESISTOR 61.9 1% .125W F TC=0+100	24546	C4=1/8-T0-6192-F
A10R3	0698-4445	4		RESISTOR 5.76k 1% .125W F TC=0+100	24546	C4=1/8-T0-5761-F
A10R4	0757-0276	7		RESISTOR 61.9 1% .125W F TC=0+100	24546	C4=1/8-T0-6192-F
A10R5	0757-0433	8	1	RESISTOR 3.32k 1% .125W F TC=0+100	24546	C4=1/8-T0-3321-F
A10R6	06A3-0275	9	4	RESISTOR 2.7 5% .25W FC TC=400/+500	01121	CB27G5
A10R7	06A3-0275	9		RESISTOR 2.7 5% .25W FC TC=400/+500	01121	CB27G5
A10R8	0698-4446	5	1	RESISTOR 267 1% .125W F TC=0+100	24546	C4=1/8-T0-267R-F
A10R9	0698-4384	0	2	RESISTOR 54.9 1% .125W F TC=0+100	24546	C4=1/8-T0-549R-F
A10R10	0698-4384	0		RESISTOR 54.9 1% .125W F TC=0+100	24546	C4=1/8-T0-549R-F

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
A10R11	0698-3510	2	1	RESISTOR 453 1% .125W F TC=0+-100	24546	C4=1/R=T0=453R-F
A10R12	0698-0275	9		RESISTOR 2.7 5% .25W FC TC=-400/+500	01121	C827G5
A10R13	0698-0085	0	1	RESISTOR 2.61K 1% .125W F TC=0+-100	24546	C4=1/R=T0=2611-F
A10R14	0683-0275	9		RESISTOR 2.7 5% .25W FC TC=-400/+500	01121	C827G5
A10R15	0698-4449	8	1	RESISTOR 309 1% .125W F TC=0+-100	24546	C4=1/R=T0=309R-F
A10R16	0698-4382	8	1	RESISTOR 52.3 1%	28480	0698-4382
A10R17	0698-3445	2	1	RESISTOR 348 1% .125W	28480	0698-3445
A10R18	0698-4382	8	1	RESISTOR 52.3 1%	28480	0698-4382
A10T1	9100-0458	5	1	TRANSFORMER PULSE 50-600 OHMS	28480	9100-0458
A10T2	9100-3889	2	1	TRANSFORMER PULSE 50-124 OHMS	28480	9100-3889
	03336-61621		1	75 OHM CONN (3336B)	28480	03336-61621
				MECHANICAL PARTS		
A10MP1	03336-60606		1	OUTPUT BOX ASSY	28480	03336-60606
A10MP2	03336-61220		2	OUTPUT BOX SUPPORT	28480	03336-61220
A10MP3	03336-64111		1	OUTPUT BOX COVER	28480	03336-64111
A10MP4	03336-61201		1	OUTPUT BOX FRONT PANEL (3336B)	28480	03336-61201
A10MP4	03336-61202		1	OUTPUT BOX FRONT PANEL (3336B/001)	28480	03336-61202
A10MP5	5041-2304		1	INSUL INPUT (J1) 3336B	28480	5041-2304
A10MP5	5041-2303		1	INSUL INPUT (J1) 3336B/001	28480	5041-2303
A10MP6	5041-1469		1	INSUL INPUT (J2) 3336B	28480	5041-1469
A10MP6	5041-1466		1	INSUL INPUT (J2) 3336B/001	28480	5041-1466
A10MP7	5041-1467		1	INSUL INPUT (J3) 3336B	28480	5041-1467
A10MP8	5041-1600		1	INSUL INPUT (J4)	28480	5041-1600

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
A11	03336-66511	3	1	BALANCED OUTPUT P.C. ASSEMBLY (3336A)	28480	03336-66511
A11C1	0160-355A	9	1A	CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A11C2	0160-355A	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A11C3	0160-355A	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A11C4	0160-355A	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A11C5	0160-355A	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A11C7	0160-355A	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A11C8	0160-355A	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A11C9	0160-355A	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A11C10	0160-355A	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A11C11	0160-355A	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A11C12	0160-355A	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A11C13	0160-355A	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A11C14	0160-355A	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A11C15	0160-355A	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A11C16	0160-355A	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A11C18	0160-0161	4	1	CAPACITOR-FXD .01UF 200V	28480	0160-0161
A11C19*	0160-2207	3	1	CAPACITOR-FXD 300PF 300V MICA	28480	0160-2207
A11C19*	0160-2208	4	1	CAPACITOR-FXD 330PF 300V MICA	28480	0160-2208
A11C19*	0160-2209	5	1	CAPACITOR-FXD 360PF 300V MICA	28480	0160-2209
A11C19*	0140-0200	0	1	CAPACITOR-FXD 390PF 300V MICA	28480	0140-0200
A11C20*	0160-2207	3	1	CAPACITOR-FXD 300PF 300V MICA	28480	0160-2207
A11C20*	0160-2208	4	1	CAPACITOR-FXD 330PF 300V MICA	28480	0160-2208
A11C20*	0160-2209	5	1	CAPACITOR-FXD 360PF 300V MICA	28480	0160-2209
A11C20*	0140-0200	0	1	CAPACITOR-FXD 390PF 300V MICA	28480	0140-0200
A11C32	0160-0572	1	6	CAPACITOR-FXD 2200PF +-20% 100VDC CER	28480	0160-0572
A11C33	0160-0572	1		CAPACITOR-FXD 2200PF +-20% 100VDC CER	28480	0160-0572
A11C34	0160-0572	1		CAPACITOR-FXD 2200PF +-20% 100VDC CER	28480	0160-0572
A11C35	0160-2199	2	2	CAPACITOR-FXD 30PF +-5% 300VDC MICA	28480	0160-2199
A11C36	0160-3914	1	1	CAPACITOR-FXD .01UF +-10% 100VDC CER	28480	0160-3914
A11C37	0160-0575	4	1	CAPACITOR-FXD .047UF +-20% 50VDC CER	28480	0160-0575
A11C38	0160-346A	0	1	CAPACITOR-FXD .12UF +-10% 40VDC POLYE	28480	0160-346A
A11C39	0160-0572	1		CAPACITOR-FXD 2200PF +-20% 100VDC CER	28480	0160-0572
A11C40	0160-0572	1		CAPACITOR-FXD 2200PF +-20% 100VDC CER	28480	0160-0572
A11C41	0160-0572	1		CAPACITOR-FXD 2200PF +-20% 100VDC CER	28480	0160-0572
A11C42	0160-2199	2		CAPACITOR-FXD 30PF +-5% 300VDC MICA	28480	0160-2199
A11C43	0160-0161	4	1	CAPACITOR-FXD .01UF 200V	28480	0160-0161
A11C44	0160-355A	9		CAPACITOR-FXD .1UF +-20% 50VDC CER	28480	0160-355A
A1141	0490-1141	1	1	RELAY	28480	0490-1141
A11L1	9140-02A3	8	5	COIL-MLD 9100H 5% 0.50 .1550X.375LG-NOM	28480	9140-02A3
A11L2	9140-02A3	8		COIL-MLD 9100H 5% 0.50 .1550X.375LG-NOM	28480	9140-02A3
A11L3	9140-02A3	8		COIL-MLD 9100H 5% 0.50 .1550X.375LG-NOM	28480	9140-02A3
A11L4	9140-02A3	8		COIL-MLD 9100H 5% 0.50 .1550X.375LG-NOM	28480	9140-02A3
A11L5	9140-02A3	8		COIL-MLD 9100H 5% 0.50 .1550X.375LG-NOM	28480	9140-02A3
A11L6	9140-0266	7	2	COIL-MLD 1.8UH 5% 0.33 .1550X.375LG-NOM	28480	9140-0266
A11L7	9140-0266	7		COIL-MLD 1.8UH 5% 0.33 .1550X.375LG-NOM	28480	9140-0266
A11P1	0698-4445	4	2	RESISTOR 5.76K 1% .125W F TC=+100	24546	C4-1/A-T=5761-F
A11P2	0757-0276	7	2	RESISTOR 61.9 1% .125W F TC=+100	24546	C9-1/A-T=6192-F
A11P3	0698-4445	4		RESISTOR 5.76K 1% .125W F TC=+100	24546	C4-1/A-T=5761-F
A11P4	0757-0276	7		RESISTOR 61.9 1% .125W F TC=+100	24546	C4-1/A-T=6192-F
A11P12	0698-0275	9	2	RESISTOR 2.7 5% .25W FC TC=+400/+500	11121	C927G5
A11R13	0757-0433	8	1	RESISTOR 1.32K 1% .125W F TC=+100	24546	C4-1/A-T=1321-F
A11R14	0698-0275	9		RESISTOR 2.7 5% .25W FC TC=+400/+500	11121	C927G5
A11R15	0698-4421	6	1	RESISTOR 619 1% .125W	28480	0698-4421
A11R16	0698-4386	2	1	RESISTOR 59 1%	28480	0698-4386
A11R17	0757-0418	9	1	RESISTOR 249 1% .125W	28480	0698-4421
A11R18	0698-4386	2	1	RESISTOR 59 1%	28480	0698-4386
A11T1	9100-045A	5	1	TRANSFORMER-PULSE 50-600 OHMS	28480	9100-045A
A11T2	9100-3A09	2	1	TRANSFORMER-PULSE 50-120 OHMS;TURNS: PPT	28480	9100-3A09
MECHANICAL PARTS						
A11MP1	03336-60606	1	1	OUTPUT BOX ASSY	28480	03336-60606
A11MP2	03336-61220	2	2	OUTPUT BOX SUPPORT	28480	03336-61220
A11MP3	03336-64111	1	1	OUTPUT BOX COVER	28480	03336-64111
A11MP4	03336-61203	1	1	OUTPUT BOX FRONT PANEL (3336A)	28480	03336-61203
A11MP4	03336-61204	1	1	OUTPUT BOX FRONT PANEL (3336A/001)	28480	03336-61204
A11MP5	5041-2302	1	1	INSUL INPUT (J1) (3336A)	28480	5041-2302
A11MP5	5041-2301	1	1	INSUL INPUT (J1) (3336A/001)	28480	5041-2301
A11MP6	5041-1493	1	1	INSUL INPUT (J2)	28480	5041-1493
A11MP8	5041-1493	1	1	INSUL INPUT (J4)	28480	5041-1493
A12	03336-66512	1	1	HP-IB CONNECTOR/ADDRESS SWITCHES	28480	03336-66512
	2140-0016	8	1	RPG LIGHT BULB	28480	2140-0016

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
A15	03336-66515	7	1	KEYBOARD P.C. ASSEMBLY (3336A)	28480	03336-66515
A15C1	0160-3847	9	5	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A15C2	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A15C3	0180-0062	6	1	CAPACITOR-FXD 300UF+75-10% 6VDC AL	28480	0180-0062
A15C4	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A15C5	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A15C6	0160-4571	8	1	CAPACITOR-FXD .1UF +-80-20% 50VDC CER	28480	0160-4571
A15C7	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A15C8	0180-1746	5	1	CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X902082
A15CR1	1990-0533	4	10	LED-VISIBLE LUM-INT#15VCD IF#20MA-MAX	28480	5082-4658
A15CR2	1990-0533	4		LED-VISIBLE LUM-INT#15VCD IF#20MA-MAX	28480	5082-4658
A15CR3	1990-0533	4		LED-VISIBLE LUM-INT#15VCD IF#20MA-MAX	28480	5082-4658
A15CR4	1990-0533	4		LED-VISIBLE LUM-INT#15VCD IF#20MA-MAX	28480	5082-4658
A15CR5	1990-0533	4		LED-VISIBLE LUM-INT#15VCD IF#20MA-MAX	28480	5082-4658
A15CR6	1990-0533	4		LED-VISIBLE LUM-INT#15VCD IF#20MA-MAX	28480	5082-4658
A15CR7	1990-0533	4		LED-VISIBLE LUM-INT#15VCD IF#20MA-MAX	28480	5082-4658
A15CR8	1990-0533	4		LED-VISIBLE LUM-INT#15VCD IF#20MA-MAX	28480	5082-4658
A15CR9	1990-0533	4		LED-VISIBLE LUM-INT#15VCD IF#20MA-MAX	28480	5082-4658
A15CR10	1990-0533	4		LED-VISIBLE LUM-INT#15VCD IF#20MA-MAX	28480	5082-4658
A15CR11	1990-0533	4		LED-VISIBLE LUM-INT#15VCD IF#20MA-MAX	28480	5082-4658
A15CR12	1990-0533	4		LED-VISIBLE LUM-INT#15VCD IF#20MA-MAX	28480	5082-4658
A15CR13	1990-0533	4		LED-VISIBLE LUM-INT#15VCD IF#20MA-MAX	28480	5082-4658
A15CR14	1990-0533	4		LED-VISIBLE LUM-INT#15VCD IF#20MA-MAX	28480	5082-4658
A15CR15	1990-0486	6	2	LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	5082-4684
A15CR16	1990-0486	6		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	5082-4684
A15CR17	1990-0665	3	10	LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A15CR18	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A15CR19	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A15CR20	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A15CR21	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A15CR22	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A15CR23	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A15CR24	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A15CR25	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A15CR26	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A15CR27	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A15CR28	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A15CR29	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A15CR30	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A15CR31	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A15E1	03582-61620			RPG	28480	03582-61620
A15J2	1251-5041	2	1	CONNECTOR	28480	1251-5041
A15L1	9100-3334	2	1	COIL 25UH 10% .30x.040M SRF#7MHZ	28480	9100-3334
A15Q1	1853-0016	8	A	TRANSISTOR PNP SI TO-92 PD#300MW	28480	1853-0016
A15Q2	1853-0016	8		TRANSISTOR PNP SI TO-92 PD#300MW	28480	1853-0016
A15Q3	1853-0016	8		TRANSISTOR PNP SI TO-92 PD#300MW	28480	1853-0016
A15Q4	1853-0016	8		TRANSISTOR PNP SI TO-92 PD#300MW	28480	1853-0016
A15Q5	1853-0016	8		TRANSISTOR PNP SI TO-92 PD#300MW	28480	1853-0016
A15Q6	1853-0016	8		TRANSISTOR PNP SI TO-92 PD#300MW	28480	1853-0016
A15Q7	1853-0016	8		TRANSISTOR PNP SI TO-92 PD#300MW	28480	1853-0016
A15Q8	1853-0016	8		TRANSISTOR PNP SI TO-92 PD#300MW	28480	1853-0016
A15R1	0683-2205	9	A	RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A15R2	0683-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A15R3	0683-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A15R4	0683-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A15R5	0683-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A15R6	0683-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A15R7	0683-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A15R8	0683-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	CB2205
A15R9	0757-0280	3	1	RESISTOR 1000 1% .125W	28480	0757-0280
A15R11	0683-1325	2	A	RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A15R12	0683-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A15R13	0683-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A15R14	0683-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A15R15	0683-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A15R16	0683-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A15R17	0683-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A15R18	0683-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	CB1325
A15R19	1810-0164	7	2	NETWORK-RES 9-81P4.7K OHM X A	91637	CBP09C07-472J
A15R20	1810-0164	7		NETWORK-RES 9-81P4.7K OHM X A	91637	CBP09C07-472J
A15R21	1810-0135	2	1	NETWORK-RES 6-81P10.0K OHM X 5	28480	1810-0135
A15R22	1810-0055	5	1	NETWORK-RES 9-81P10.0K OHM X 8	28480	1810-0055
A15R25	0A11-3069	A	1	RESISTOR 1 5% .5W PW TC#0/+150	75042	8W20-1-1R0-J

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
A158W1	5060-9436	7	37	PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W2	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W3	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W4	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W5	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W6	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W7	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W8	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W9	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W10	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W11	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W12	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W13	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W14	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W15	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W16	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W17	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W18	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W19	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W20	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W21	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W22	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W23	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W24	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W25	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W26	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W27	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W28	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W29	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W30	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W31	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W32	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W33	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W34	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W35	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W36	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W38	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A158W39	3101-2441	6	1	SW-PSHBTN	28480	3101-2441
A15U1	1990-0592	5	11	DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A15U2	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A15U3	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A15U4	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A15U5	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A15U6	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A15U7	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A15U8	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A15U9	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A15U10	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A15U11	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A15U12	185A-0047	5	3	TRANSISTOR ARRAY 16-PIN	13606	ULN-2003A
A15U13	1820-1200	5	2	IC INV TTL LS HEX	01295	SN74LS05N
A15U14	1820-1433	6	2	IC SHF-RGTR TTL LS R-S SERIAL-IN PRL-OUT	01295	SN74LS164N
A15U15	185A-0047	5		TRANSISTOR ARRAY 16-PIN	13606	ULN-2003A
A15U16	1820-1200	5		IC INV TTL LS HEX	01295	SN74LS05N
A15U17	1820-1433	6		IC SHF-RGTR TTL LS R-S SERIAL-IN PRL-OUT	01295	SN74LS164N
A15U18	185A-0047	5		TRANSISTOR ARRAY 16-PIN	13606	ULN-2003A
A15U19	1820-1730	6	1	IC FF TTL LS D-TYPE POS-EDGE-TRIG CDM	01295	SN74LS273N
A15U20	1820-1112	8	1	IC FF TTL LS D-TYPE POS-EDGE-TRIG	01295	SN74LS74N
A15U21	1820-1438	1	1	IC MUXR/DATA-SEL TTL LS 2-TO-1-LINE QUAD	01295	SN74LS257AN
	1200-0473		1	SOCKET-IC 16 DIP	28480	1200-0473
	1200-0638		1	SOCKET-IC 14 DIP	28480	1200-0638

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
A21	03325-06521	2	1	PC ASSEMBLY-PF8 D/A	28480	03325-06521
C1	0140-0191	A	3	CAPACITOR-FXD 56PF +-5% 300VDC MICA	72136	DM15E560J0300MV1CR
C2	0160-3847	9	29	CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C3	0160-1861	5	3	CAPACITOR-FXD 27UF+-10% 10VDC TA	56289	150D276X9010B2
C4	0160-1746	5	6	CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
C6	0140-0191	B		CAPACITOR-FXD 56PF +-5% 300VDC MICA	72136	DM15E560J0300MV1CR
C7	0160-4571	B	5	CAPACITOR-FXD .1UF +80-20% 50VDC CER	28480	0160-4571
C8	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C9	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C10	0160-4571	B		CAPACITOR-FXD .1UF +80-20% 50VDC CER	28480	0160-4571
C11	0160-1861	5		CAPACITOR-FXD 27UF+-10% 10VDC TA	56289	150D276X9010B2
C12	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C13	0160-2250	6	1	CAPACITOR-FXD 5.1PF +-25PF 500VDC CER	28480	0160-2250
C14	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C15	0160-2222	2	1	CAPACITOR-FXD 1500PF +-5% 300VDC MICA	28480	0160-2222
C16	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C17	0160-4461	5	1	CAPACITOR-FXD 150PF +-2.5% 160VDC POLYP	28480	0160-4461
C18	0160-2257	3	1	CAPACITOR-FXD 10PF +-5% 500VDC CER 0+-60	28480	0160-2257
C19	0160-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
C21	0160-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
C22	0160-5306		1	CAPACITOR-FXD .1UF	28480	0160-5306
C23	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C24	0140-0149	6	1	CAPACITOR-FXD 470PF +-5% 300VDC MICA	72136	DM15F471J0300MV1CR
C26	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C27	0160-2243	7	1	CAPACITOR-FXD 2.7PF +-25PF 500VDC CER	28480	0160-2243
C28	0160-2208	4	1	CAPACITOR-FXD 330PF +-5% 300VDC MICA	28480	0160-2208
C29	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C31	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C32	0160-4571	8		CAPACITOR-FXD .1UF +80-20% 50VDC CER	28480	0160-4571
C33	0160-3847	9	1	CAPACITOR-FXD .01UF 50V	28480	0160-3847
C131	0140-0191	B		CAPACITOR-FXD 56PF +-5% 300VDC MICA	72136	DM15E560J0300MV1CR
C132	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C133	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C134	0160-4571	8	1	CAPACITOR-FXD .1UF +80V	28480	0160-4571
C135	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C136	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C137	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C138	0140-0206	6	1	CAPACITOR-FXD 270PF +-5% 300VDC MICA	72136	DM15F271J0500MV1CR
C139	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C140	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C141	0160-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
C142	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C143	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C144	0160-1861	5		CAPACITOR-FXD 27UF+-10% 10VDC TA	56289	150D276X9010B2
C145	0160-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
C162	0160-3879	7		CAPACITOR-FXD .01UF +-20% 100VDC CER	28480	0160-3879
C163	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C164	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C167	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C168	0160-2204	0	3	CAPACITOR-FXD 100PF +-5% 300VDC MICA	28480	0160-2204
C169	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C171	0160-1746	5		CAPACITOR-FXD 15UF+-10% 20VDC TA	56289	150D156X9020B2
C173	0160-0228	0	1	CAPACITOR-FXD 22UF+-10% 15VDC TA	56289	150D226X9015B2
C174	0160-2204	6		CAPACITOR-FXD 100PF +-5% 300VDC MICA	28480	0160-2204
C176	0160-0571	0	1	CAPACITOR-FXD 470PF +-20% 100VDC CER	28480	0160-0571
C177	0160-3879	7		CAPACITOR-FXD .01UF +-20% 100VDC CER	28480	0160-3879
C178	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C179	0160-4040	6	1	CAPACITOR-FXD 1000PF +-5% 100VDC CER	28480	0160-4040
C181	0160-2204	0		CAPACITOR-FXD 100PF +-5% 300VDC MICA	28480	0160-2204
C182	0160-4441	1	1	CAPACITOR-FXD .47UF +-10% 50VDC CER	28480	0160-4441
C183	0160-0127	2	2	CAPACITOR-FXD 1UF +-20% 25VDC CER	28480	0160-0127
C184	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C185	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C186	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C187	0160-3847	9		CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
C188	0160-0127	2		CAPACITOR-FXD 1UF +-20% 25VDC CER	28480	0160-0127
C190	0160-4571	8		CAPACITOR-FXD .1UF +80-20% 50VDC CER	28480	0160-4571
C195	0160-3876	4	1	CAPACITOR-FXD 47PF +-20% 200VDC CER	28480	0160-3876
C198	0160-4263	9	2	CAPACITOR-FXD 100PF +-5% 200VDC CER	51642	150-100-NP0-101J
C197	0160-4263	9		CAPACITOR-FXD 100PF +-5% 200VDC CER	51642	150-100-NP0-101J

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
A21						
CR1	1901-0040	1	6	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
CR2	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
CR3	1901-0518	8	7	DIODE-SCHOTTKY	28480	1901-0518
CR4	1901-0518	8		DIODE-SCHOTTKY	28480	1901-0518
CR5	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
CR6	1902-0777	3	2	DIODE-ZNR 1N825 6.2V 5% DO-7 PD=4W	04713	1N825
CR7	1902-0777	3		DIODE-ZNR 1N825 6.2V 5% DO-7 PD=4W	04713	1N825
CR8	1901-0518	8		DIODE-SCHOTTKY	28480	1901-0518
CR9	1901-0518	8		DIODE-SCHOTTKY	28480	1901-0518
CR11	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
CR12	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
CR13	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
CR15	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
CR17	1902-3054	5	1	DIODE-ZNR 3.05V 5% DO-35 PD=4W	28480	1902-3054
CR18	1902-0064	1	2	DIODE-ZNR 7.5V 5% DO-35 PD=4W TC=+.05%	28480	1902-0064
CR19	1902-0064	1		DIODE-ZNR 7.5V 5% DO-35 PD=4W TC=+.05%	28480	1902-0064
CR20	1901-0040	1		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
CR131	1902-3030	7	1	DIODE-ZNR 3.01V 5% DO-7 PD=4W TC=-.067%	28480	1902-3030
CR161	1901-0518	8		DIODE-SCHOTTKY	28480	1901-0518
CR162	1901-0040	1	1	DIODE-SWG 30V 2PF -20V	28480	1901-0040
CR163	1901-0518	8		DIODE-SCHOTTKY	28480	1901-0518
CR164	0122-0089	5	2	DIODE-VVC 29PF 10X C3/C25-MIN=5 BVR=30V	04713	MV109
CR165	1901-0518	8		DIODE-SCHOTTKY	28480	1901-0518
CR166	0122-0089	5		DIODE-VVC 29PF 10X C3/C25-MIN=5 BVR=30V	04713	MV109
J1	1251-6567	4	1	CONNECTOR	28480	1251-6567
J3	1810-0294	4	1	NETWORK RESISTOR 16 PIN DIP; RES	28480	1810-0294
J8	1251-2969	8		CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
J15	1251-2969	4		CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
J16	1251-2969	4		CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
J17A	1251-2969	8	7	CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
J17B	1251-2969	8		CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
J18A	1251-2969	8		CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
J18B	1251-2969	8		CONNECTOR-PHONO SINGLE PHONO JACK; DIP	28480	1251-2969
L1	9100-1622	7	2	INDUCTORRRF=CH=MLD 24UH 5% .166DX,385LG	28480	9100-1622
L2	9100-1622	7		INDUCTORRRF=CH=MLD 24UH 5% .166DX,385LG	28480	9100-1622
L3	9100-3458	1	3	CHOKE, WIDE BAND	28480	9100-3458
L132	9100-3458	1		CHOKE, WIDE BAND	28480	9100-3458
L133	9170-0894	0	1	CORE-SHIELDING BEAD	28480	9170-0894
L161	9100-3458	1		CHOKE, WIDE BAND	28480	9100-3458
L162	9140-0460	3	1	COIL-VAR 351NH-029NH Q=120 PC-MTG	28480	9140-0460
L163	9100-0539	3		INDUCTORRRF=CH=MLD 10UH 5% .166DX,385LG	28480	9100-0539
L165	9140-0349	7	1	INDUCTORRRF=CH=MLD 1.1UH 5% .166DX,385LG	28480	9140-0349
Q1	1853-0448	0	6	TRANSISTOR PNP SI T0-92 PD=625MH	04713	MP3H81
Q2	1853-0448	0		TRANSISTOR PNP SI T0-92 PD=625MH	04713	MP3H81
Q3	1854-0296	8	5	TRANSISTOR NPN 2N5179 SI T0-72 PD=200MH	04713	2N5179
Q4	1853-0448	0		TRANSISTOR PNP SI T0-92 PD=625MH	04713	MP3H81
Q6	1853-0449	5	9	TRANSISTOR PNP 2N4917 SI PD=200MH	07263	2N4917
Q7	1853-0689	5		TRANSISTOR PNP 2N4917 SI PD=200MH	07263	2N4917
Q8	1853-0689	5		TRANSISTOR PNP 2N4917 SI PD=200MH	07263	2N4917
Q9	1854-0296	8	9	TRANSISTOR NPN SI T0-92 PD=310MH	28480	1854-0296
Q10	1853-0689	5		TRANSISTOR PNP 2N4917 SI PD=200MH	07263	2N4917
Q11	1854-0296	8		TRANSISTOR NPN SI T0-92 PD=310MH	28480	1854-0296
Q12	1853-0689	5		TRANSISTOR PNP 2N4917 SI PD=200MH	07263	2N4917
Q13	1854-0296	8		TRANSISTOR NPN SI T0-92 PD=310MH	28480	1854-0296
Q14	1854-0296	8		TRANSISTOR NPN SI T0-92 PD=310MH	28480	1854-0296
Q16	1854-0296	8		TRANSISTOR NPN SI T0-92 PD=310MH	28480	1854-0296
Q17	1855-0082	2	1	TRANSISTOR J-FET 2N4117A N-CHAN D-MODE	17856	2N4117A
Q18	1855-0081	1	4	TRANSISTOR J-FET N-CHAN D-MODE SI	01295	2N5245
Q19	1855-0081	1		TRANSISTOR J-FET N-CHAN D-MODE SI	01295	2N5245
Q21	1855-0082	2	2	TRANSISTOR J-FET P-CHAN D-MODE SI	28480	1855-0082
Q22	1854-0215	1	5	TRANSISTOR NPN SI PD=350MH FT=300MHZ	04713	2N3904
Q23	1854-0215	1		TRANSISTOR NPN SI PD=350MH FT=300MHZ	04713	2N3904
Q24	1854-0215	1		TRANSISTOR NPN SI PD=350MH FT=300MHZ	04713	2N3904
Q25	1853-0689	5		TRANSISTOR PNP 2N4917 SI PD=200MH	07263	2N4917
Q26	1854-0215	1		TRANSISTOR NPN SI PD=350MH FT=300MHZ	04713	2N3904
Q27	1855-0081	1		TRANSISTOR J-FET N-CHAN D-MODE SI	01295	2N5245
Q28	1854-0296	8		TRANSISTOR NPN SI T0-92 PD=310MH	28480	1854-0296
Q29	1854-0296	8		TRANSISTOR NPN SI T0-92 PD=310MH	28480	1854-0296
Q31	1853-0689	5		TRANSISTOR PNP 2N4917 SI PD=200MH	07263	2N4917
Q32	1854-0830	6	1	TRANSISTOR-DUAL NPN	28480	1854-0830
Q33	1855-0082	2		TRANSISTOR J-FET P-CHAN D-MODE SI	28480	1855-0082
Q37	1854-0215	1		TRANSISTOR NPN SI PD=350MH FT=300MHZ	04713	2N3904
Q38	1853-0689	2	1	TRANSISTOR PNP SI PD=310MH FT=40MHZ	27014	2N5087
Q39	1855-0081	1		TRANSISTOR J-FET N-CHAN D-MODE SI	01295	2N5245
Q41	1854-0296	8		TRANSISTOR NPN SI T0-92 PD=310MH	28480	1854-0296
Q42	1854-0296	8		TRANSISTOR NPN SI T0-92 PD=310MH	28480	1854-0296
Q43	1853-0689	5		TRANSISTOR PNP 2N4917 SI PD=200MH	07263	2N4917

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
A21						
Q44	1A53-00A9	5		TRANSISTOR PNP 2N4917 SI PD=200MA	07263	2N4917
Q131	1A53-044A	0		TRANSISTOR PNP SI TO-92 PD=25MW	04713	MP3H81
Q132	1A54-0071	7	1	TRANSISTOR NPN SI PD=300MA FT=200MMZ	26480	1A54-0071
Q161	1A53-044B	0		TRANSISTOR PNP SI TO-92 PD=25MW	04713	MP3H81
Q162	1A54-0345	6		TRANSISTOR NPN 2N5179 SI TO-72 PD=200MA	04713	2N5179
Q163	1A54-0345	8		TRANSISTOR NPN 2N5179 SI TO-72 PD=200MA	04713	2N5179
Q164	1A54-0345	8		TRANSISTOR NPN 2N5179 SI TO-72 PD=200MA	04713	2N5179
Q165	1A54-0345	8		TRANSISTOR NPN 2N5179 SI TO-72 PD=200MA	04713	2N5179
Q166	1A53-044B	0		TRANSISTOR PNP SI TO-92 PD=25MW	04713	MP3H81
R1	0757-0395	1	2	RESISTOR 56.2 1% .125W F TC=0+/-100	24546	C4-1/8-T0-56R2-F
R2	0757-0419	0	3	RESISTOR 681 1% .125W F TC=0+/-100	24546	C4-1/8-T0-681K-F
R3	0757-0419	0	3	RESISTOR 681 1% .125W F TC=0+/-100	24546	C4-1/8-T0-681K-F
R4	0683-4705	8	23	RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
R6	0757-0421	4	3	RESISTOR 825 1% .125W F TC=0+/-100	24546	C4-1/8-T0-825K-F
R7	0683-4715	0	3	RESISTOR 470 5% .25W FC TC=400/+600	01121	CB4715
R8	0683-4705	8	3	RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
R9	0698-3440	7	2	RESISTOR 196 1% .125W F TC=0+/-100	24546	C4-1/8-T0-196R-F
R11	0683-2205	4	4	RESISTOR 22 5% .25W FC TC=400/+500	01121	CB2205
R12	0757-043A	3	3	RESISTOR 5.11K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-5111-F
R13	0757-043B	3	3	RESISTOR 5.11K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-5111-F
R14	0757-0418	9	2	RESISTOR 619 1% .125W F TC=0+/-100	24546	C4-1/8-T0-619K-F
R16	0757-0440	7	1	RESISTOR 7.5K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-7501-F
R17	069A-3152	8	1	RESISTOR 3.48K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-3481-F
R18	0757-0444	1	2	RESISTOR 12.1K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-1212-F
R19	0757-027A	9	1	RESISTOR 1.78K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-1781-F
R21	0683-4705	8	8	RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
R22	0683-1525	4	3	RESISTOR 1.5K 5% .25W FC TC=400/+700	01121	CB1525
R23	0683-6815	5	2	RESISTOR 680 5% .25W FC TC=400/+600	01121	CB6815
R24	0683-1825	7	1	RESISTOR 1.8K 5% .25W FC TC=400/+700	01121	CB1825
R26	0757-0395	1	1	RESISTOR 56.2 1% .125W F TC=0+/-100	24546	C4-1/8-T0-56R2-F
R27	0757-0317	7	2	RESISTOR 1.33K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-1331-F
R28	0757-0317	7	2	RESISTOR 1.33K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-1331-F
R29	0683-4705	8	7	RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
R31	0683-3325	6		RESISTOR 3.3K 5% .25W FC TC=400/+700	01121	CB3325
R32	0683-4715	0		RESISTOR 470 5% .25W FC TC=400/+600	01121	CB4715
R33	0683-4705	8		RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
R34	0757-043B	3		RESISTOR 5.11K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-5111-F
R36	0757-0280	3	6	RESISTOR 1K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-1001-F
R37	069A-3153	9	3	RESISTOR 3.83K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-3831-F
R38	0698-0083	0	6	RESISTOR 1.96K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-1961-F
R39	0757-0401	8	8	RESISTOR 100 1% .125W F TC=0+/-100	24546	C4-1/8-T0-101-F
R41	0683-6815	5		RESISTOR 680 5% .25W FC TC=400/+600	01121	CB6815
R42	0698-3153	9		RESISTOR 3.83K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-3831-F
R43	069A-3153	9		RESISTOR 3.83K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-3831-F
R44	0698-0083	8		RESISTOR 1.96K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-1961-F
R46	0683-1015	7	1	RESISTOR 100 5% .25W	28480	0683-1015
R47	0683-3325	6		RESISTOR 3.3K 5% .25W FC TC=400/+700	01121	CB3325
R48	0683-1015	7	1	RESISTOR 100 5% .25W	28480	0683-1015
R49	0698-3443	0	1	RESISTOR 267 1% .125W F TC=0+/-100	24546	C4-1/8-T0-267K-F
R51	0757-0418	9		RESISTOR 619 1% .125W F TC=0+/-100	24546	C4-1/8-T0-619K-F
R52	0757-0444	1		RESISTOR 12.1K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-1212-F
R53	0757-0280	3		RESISTOR 1K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-1001-F
R54	0757-0280	3		RESISTOR 1K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-1001-F
R56	0698-0083	8		RESISTOR 1.96K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-1961-F
R57	0683-5105	4	1	RESISTOR 51 5% .25W	28480	0683-5105
R58	0683-4715	0		RESISTOR 470 5% .25W FC TC=400/+600	01121	CB4715
R59	0683-1015	7	1	RESISTOR 100 5% .25W	28480	0683-1015
R61	0683-1035	1	12	RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
R62	0683-1015	7	1	RESISTOR 100 5% .25W	28480	0683-1015
R63	0757-0419	0		RESISTOR 681 1% .125W F TC=0+/-100	24546	C4-1/8-T0-681K-F
R64	0698-00A4	9	1	RESISTOR 2.15K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-2151-F
R65	0757-0401	6		RESISTOR 100 1% .125W F TC=0+/-100	24546	C4-1/8-T0-101-F
R66	0683-4705	8		RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
R67	0698-0083	8		RESISTOR 1.96K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-1961-F
R68	0698-3156	2	2	RESISTOR 14.7K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-1472-F
R69	0698-3156	2		RESISTOR 14.7K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-1472-F
R70	0757-0401	0		RESISTOR 100 1% .125W F TC=0+/-100	24546	C4-1/8-T0-101-F
R71	0698-4207	6	1	RESISTOR 44.2K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-4422-F
R72	0683-1025	9	11	RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
R73	0683-4705	8		RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
R74	2100-3211	7	1	RESISTOR=TRMR 1K 10% C TOP=ADJ 1=TRN	28480	2100-3211
R75	0757-0402	9		RESISTOR 10K 1% .125W F TC=0+/-100	24546	C4-1/8-T0-1002-F
R76	2100-3096	6	1	RESISTOR=TRMR 50K 10% C TOP=ADJ 17=TRN	32997	3292W-1-503

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
A21						
R77	0683-1065	7	1	RESISTOR 10M 5% .25W FC TC=900/+1100	01121	CB1065
R78	0757-0488	3	1	RESISTOR 909K 1% .125W F TC=0/+100	28480	0757-0488
R79	0757-0401	0		RESISTOR 100 1% .125W F TC=0/+100	24546	C4=1/8-T0-101-F
R81	0683-1035	1	1	RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
R82	0683-5625	3	1	RESISTOR 5.6K 5% .25W FC TC=400/+700	01121	CB5625
R83	0683-2025	1	1	RESISTOR 2K 5% .25W FC TC=400/+700	01121	CB2025
R84	0757-0289	2	1	RESISTOR 13.3K 1% .125W F TC=0/+100	19701	MF4C1/8-T0=1332-F
R86	0757-0439	4	4	RESISTOR 6.81K 1% .125W F TC=0/+100	24546	C4=1/8-T0=6811-F
R87	0683-4705	8		RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
R88	2100-3383	4	1	RESISTOR-TRMR 50 10% C TOP=ADJ 1-TRN	28480	2100-3383
R89	0683-4705	4		RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
R91	069A-0083	A		RESISTOR 1.96K 1% .125W F TC=0/+100	24546	C4=1/8-T0=1961-F
R92	0683-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
R93	0683-1015	7	1	RESISTOR 100 5% .25W	28480	0683-1015
R94	0683-1015	7	1	RESISTOR 100 5% .25W	28480	0683-1015
R96	0757-0421	4		RESISTOR 825 1% .125W F TC=0/+100	24546	C4=1/8-T0=825R-F
R97	0683-2225	3	4	RESISTOR 2.2K 5% .25W FC TC=400/+700	01121	CB2225
R98	0683-2225	3	0	RESISTOR 2.2K 5% .25W FC TC=400/+700	01121	CB2225
R99	069A-1154	0	1	RESISTOR 4.22K 1% .125W F TC=0/+100	24546	C4=1/8-T0=4221-F
R101	0683-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
R102	0683-2225	3		RESISTOR 2.2K 5% .25W FC TC=400/+700	01121	CB2225
R103	0683-4705	A		RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
R104	0683-2235	5	1	RESISTOR 22K 5% .25W FC TC=400/+800	01121	CB2235
R106	0683-1035	1		RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
R107	2100-0567	0	1	RESISTOR-TRMR 2K 10% C TOP=ADJ 1-TRN	28480	2100-0567
R108	069A-0083	8		RESISTOR 1.96K 1% .125W F TC=0/+100	24546	C4=1/8-T0=1961-F
R109	0683-1015	7	1	RESISTOR 100 5% .25W	28480	0683-1015
R111	0683-1015	7	1	RESISTOR 100 5% .25W	28480	0683-1015
R112	0757-0421	4		RESISTOR 825 1% .125W F TC=0/+100	24546	C4=1/8-T0=825R-F
R113	0757-0416	7	3	RESISTOR 511 1% .125W F TC=0/+100	24546	C4=1/8-T0=511R-F
R114	0757-0416	7		RESISTOR 511 1% .125W F TC=0/+100	24546	C4=1/8-T0=511R-F
R116	0683-4705	8		RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
R117	0757-0439	4		RESISTOR 6.81K 1% .125W F TC=0/+100	24546	C4=1/8-T0=6811-F
R118	0683-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
R119	0683-1835	9	1	RESISTOR 18K 5% .25W FC TC=400/+800	01121	CB1835
R121	0683-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
R122	069A-3162	0	1	RESISTOR 46.4K 1% .125W F TC=0/+100	24546	C4=1/8-T0=4642-F
R123	0757-0465	6	1	RESISTOR 100K 1% .125W F TC=0/+100	24546	C4=1/8-T0=1003-F
R124	0683-1525	4		RESISTOR 1.5K 5% .25W FC TC=400/+700	01121	CB1525
R126	0683-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
R130	0683-2225	3		RESISTOR 2.2K 5% .25W FC TC=400/+700	01121	CB2225
R132	0757-039A	4	1	RESISTOR 75 1% .125W F TC=0/+100	24546	C4=1/8-T0=75R0-F
R133	069A-3432	7	1	RESISTOR 26.1 1% .125W F TC=0/+100	03888	PM555-1/8-T0=26R1-F
R134	0683-1035	1		RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
R135	0683-2205	9		RESISTOR 22 5% .25W FC TC=400/+500	01121	CB2205
R136	0683-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
R137	0683-1035	1		RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
R138	0683-1235	3	1	RESISTOR 12K 5% .25W FC TC=400/+800	01121	CB1235
R140	0683-1035	1		RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
R141	0683-4725	2	2	RESISTOR 4.7K 5% .25W FC TC=400/+700	01121	CB4725
R142	0683-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
R143	0683-1015	7	1	RESISTOR 100 5% .25W FC TC=400/+500	01121	CB1015
R144	0683-3325	6		RESISTOR 3.3K 5% .25W FC TC=400/+700	01121	CB3325
R145	0683-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
R146	0683-1035	1		RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
R147	0683-1035	1		RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
R148	0683-7515	4	1	RESISTOR 750 5% .25W FC TC=400/+600	01121	CB7515
R149	0683-1035	1		RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
R150	0683-3325	6		RESISTOR 3.3K 5% .25W FC TC=400/+700	01121	CB3325
R151	0683-1035	1		RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
R152	0683-1035	1		RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
R161	0683-2415	3	1	RESISTOR 240 5% .25W FC TC=400/+600	01121	CB2415
R162	0683-4705	8		RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
R163	0683-1045	3	3	RESISTOR 100K 5% .25W FC TC=400/+800	01121	CB1045
R164	0683-4735	4	2	RESISTOR 47K 5% .25W FC TC=400/+800	01121	CB4735
R165	0683-1045	3		RESISTOR 100K 5% .25W FC TC=400/+800	01121	CB1045
R166	0683-4735	4		RESISTOR 47K 5% .25W FC TC=400/+800	01121	CB4735
R167	0683-4725	2		RESISTOR 4.7K 5% .25W FC TC=400/+700	01121	CB4725
R168	0683-1035	1		RESISTOR 10K 5% .25W FC TC=400/+700	01121	CB1035
R169	069A-3516	0	1	RESISTOR 7.32K 1% .125W F TC=0/+100	24546	C4=1/8-T0=7321-F
R170	0683-2425	5	1	RESISTOR 2.4K 5% .25W FC TC=400/+700	01121	CB2425
R171	0757-1094	9	1	RESISTOR 1.47K 1% .125W F TC=0/+100	24546	C4=1/8-T0=1471-F
R172	0683-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
R173	0683-1045	3		RESISTOR 100K 5% .25W FC TC=400/+800	01121	CB1045
R174	0683-5125	8	1	RESISTOR 5.1K 5% .25W FC TC=400/+700	01121	CB5125

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
A21						
R176	06A3-4705	R		RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
R177	0757-0417	R	1	RESISTOR 562 1% .125W F TC=0/+100	24546	C4-1/8-T0-562N-F
R179	06A3-3915	0	3	RESISTOR 390 5% .25W FC TC=400/+600	01121	CB3915
R178	0757-0401	0	1	RESISTOR 100 1% .125W	28480	0757-0401
R181	06A3-3915	0		RESISTOR 390 5% .25W FC TC=400/+600	01121	CB3915
R182	06A3-1525	4		RESISTOR 1.5K 5% .25W FC TC=400/+700	01121	CB1525
R183	06A3-1025	9		RESISTOR 1K 5% .25W FC TC=400/+600	01121	CB1025
R184	0757-0280	3		RESISTOR 1K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1001-F
R186	0757-0280	3	1	RESISTOR 511 1% .125W	28480	0757-0280
R187	0698-4123	5	1	RESISTOR 499 1% .125W F TC=0/+100	24546	C4-1/8-T0-499R-F
R18A	0757-0280	3		RESISTOR 1K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1001-F
R189	0757-0401	0		RESISTOR 100 1% .125W F TC=0/+100	24546	C4-1/8-T0-101-F
R191	0757-0280	3		RESISTOR 1K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1001-F
R192	0757-0442	9		RESISTOR 10K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1002-F
R193	069A-3279	0	2	RESISTOR 4.99K 1% .125W F TC=0/+100	24546	C4-1/8-T0-4991-F
R194	0757-0401	0		RESISTOR 100 1% .125W F TC=0/+100	24546	C4-1/8-T0-101-F
R196	0757-0452	1	1	RESISTOR 27.4K 1% .125W F TC=0/+100	24546	C4-1/8-T0-2742-F
R197	069A-3440	7		RESISTOR 190 1% .125W F TC=0/+100	24546	C4-1/8-T0-190N-F
R198	0698-4474	4	1	RESISTOR 8.45K 1% .125W F TC=0/+100	24546	C4-1/8-T0-8451-F
R199	0757-0439	4	1	RESISTOR 6.81K 1% .125W F TC=0/+100	24546	C4-1/8-T0-6811-F
R202	0757-0401	0		RESISTOR 100 1% .125W	28480	0757-0401
R200	0757-0394	0	1	RESISTOR 51.1 1% .125W F TC=0/+100	24546	C4-1/8-T0-51R1-F
R201	0757-0280	3		RESISTOR 1K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1001-F
R203	0698-3279	0		RESISTOR 4.99K 1% .125W F TC=0/+100	24546	C4-1/8-T0-4991-F
R204	0757-0442	9		RESISTOR 10K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1002-F
R205	0757-0283	6	1	RESISTOR 2K 1% .125W F TC=0/+100	24546	C4-1/8-T0-2001-F
R206	0757-0280	3		RESISTOR 1K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1001-F
R207	06A3-3315	4	1	RESISTOR 330 5% .25W FC TC=400/+600	01121	CB3315
R208	06A3-4325	A	1	RESISTOR 4.3K 5% .25W FC TC=400/+700	01121	CB4325
R209	06A3-3915	0		RESISTOR 390 5% .25W FC TC=400/+600	01121	CB3915
R210	06A3-4705	8		RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
R211	06A3-4705	8		RESISTOR 47 5% .25W FC TC=400/+500	01121	CB4705
R212	0757-0439	4		RESISTOR 6.81K 1% .125W F TC=0/+100	24546	C4-1/8-T0-6811-F
R213	0757-0401	0		RESISTOR 100 1% .125W F TC=0/+100	24546	C4-1/8-T0-101-F
R214	0757-0442	4		RESISTOR 10K 1% .125W F TC=0/+100	24546	C4-1/8-T0-1002-F
R215	06A3-2205	9		RESISTOR 22 5% .25W FC TC=400/+500	01121	CB2205
R216	0757-0279	0	1	RESISTOR 3.16K 1% .125W F TC=0/+100	24546	C4-1/8-T0-3161-F
U1	1A20-06A1	4	4	IC GATE TTL 8 NAND QUAD 2-INP	01295	SN74800N
U2	1A20-0817	R	1	IC FF ECL D=H/S DUAL	04713	MC10131P
U4	1A20-0001	4	1	TRANSISTOR ARRAY 14-PIN PLSTC DIP	01928	CA3046
U4	1A20-1196	8	3	IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS174N
U5	1A20-1112	8	1	IC FF TTL LS D-TYPE POS-EDGE-TRIG	01295	SN74LS174N
U3	1810-0294	4	1	NETWORK-RESISTOR 16 PIN DIP	28480	1810-0294
U6	1A20-0021	R	1	IC OP AMP GP TO-99	27014	LM310M
U7	1A20-0629	0	8	IC FF TTL S J-K NEG-EDGE-TRIG	01295	SN748112N
U8	1820-0697	2	1	IC-SN74S140N	28480	1820-0697
U9	1A20-1279	8	2	IC CNTR TTL LS DECD UP/DOWN SYNCHRD	01295	SN74LS190N
U10	1A20-0043	4	1	IC OP AMP GP TO-99	01928	CA307T
U11	1A20-1279	8		IC CNTR TTL LS DECD UP/DOWN SYNCHRD	01295	SN74LS190N
U12	1A20-0681	4		IC GATE TTL S NAND QUAD 2-INP	01295	SN74800N
U13	1A20-0629	0		IC FF TTL S J-K NEG-EDGE-TRIG	01295	SN748112N
U14	1A20-1196	8		IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS174N
U15	1A20-1196	8		IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS174N
U17	1A20-1322	2	1	IC GATE TTL S NOR QUAD 2-INP	01295	SN74802N
U18	1A20-0629	0		IC FF TTL S J-K NEG-EDGE-TRIG	01295	SN748112N
U19	1A20-2004	9	1	IC MISC NMOS	28480	1820-2004
U21	1A20-0683	6		IC INV TTL S HEX 1-INP	01295	SN74804N
U22	1A20-0681	4		IC GATE TTL S NAND QUAD 2-INP	01295	SN74800N
U23	1A20-0681	4		IC GATE TTL S NAND QUAD 2-INP	01295	SN74800N
U24	1A20-0629	0		IC FF TTL S J-K NEG-EDGE-TRIG	01295	SN748112N
U25	1A20-0693	8	2	IC FF TTL S D-TYPE POS-EDGE-TRIG	01295	SN74874N
U26	1A20-0693	8		IC FF TTL S D-TYPE POS-EDGE-TRIG	01295	SN74874N
U27	1A20-0629	0		IC FF TTL S J-K NEG-EDGE-TRIG	01295	SN748112N
U28	1A20-1641	8	1	IC DRVR TTL LS BUS DRVR HEX 1-INP	01295	SN74LS365AN
U29	1A20-0629	0		IC FF TTL S J-K NEG-EDGE-TRIG	01295	SN748112N
U30	1A20-0629	0		IC FF TTL S J-K NEG-EDGE-TRIG	01295	SN748112N
U31	1A20-1144	6	1	IC GATE TTL LS NOR QUAD 2-INP	01295	SN74LS02N
U32	1A20-0629	0		IC FF TTL S J-K NEG-EDGE-TRIG	01295	SN748112N
U33	1826-0111	7	1	IC OP AMP MC1458G	28480	1826-0111
U34	1A20-0802	1	1	IC GATE ECL NOR QUAD 2-INP	04713	MC10102P
MP1	03325-20601	3	1	SHIELD TOP	28480	03325-20601
MP2	03325-20602	4	1	SHIELD BOTTOM	28480	03325-20602
MP3	03325-04104	7	1	COVER 2	28480	03325-04104
	2140-0016	8	1	RPG LIGHT BULB	28480	2140-0016

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
A25	03336-66525	9	1	KEYBOARD P.C. ASSEMBLY (3336C)	28480	03336-66525
A25C1	0160-3847	9	5	CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A25C2	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A25C3	0180-0062	6	1	CAPACITOR-FXD 300UF+75-10% 6VDC AL	28480	0180-0062
A25C4	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A25C5	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A25C6	0160-4571	8	1	CAPACITOR-FXD .1UF +80-20% 50VDC CER	28480	0160-4571
A25C7	0160-3847	9		CAPACITOR-FXD .015UF +-20% 50VDC CER	28480	0160-3847
A25C8	0180-1746	5	1	CAPACITOR-FXD 14UF+-10% 20VDC TA	56289	1500156X902082
A25CR1	1990-0533	4	14	LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
A25CR2	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
A25CR3	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
A25CR4	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
A25CR5	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
A25CR6	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
A25CR7	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
A25CR8	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
A25CR9	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
A25CR10	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
A25CR11	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
A25CR12	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
A25CR13	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
A25CR14	1990-0533	4		LED-VISIBLE LUM-INT#15MCD IF#20MA-MAX	28480	5082-4658
A25CR15	1990-0486	6	7	LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	5082-4684
A25CR16	1990-0486	6		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	5082-4684
A25CR17	1990-0665	3	13	LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A25CR18	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A25CR19	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A25CR20	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A25CR21	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A25CR22	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A25CR23	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A25CR24	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A25CR25	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A25CR26	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A25CR27	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A25CR28	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A25CR29	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A25CR30	1990-0665	3		LED-VISIBLE LUM-INT#1MCD IF#20MA-MAX	28480	1990-0665
A25E1	03582-61620			RPG	28480	03582-61620
A25J2	1251-5041		1	CONNECTOR	28480	1251-5041
A25L1	9100-3334	2	1	COIL 25UH 10% .3D-NOM 9RF#7MHZ	28480	9100-3334
A25G1	1853-0016	8	A	TRANSISTOR PNP 8I TO-92 PD#300MW	28480	1853-0016
A25Q2	1853-0016	8		TRANSISTOR PNP 8I TO-92 PD#300MW	28480	1853-0016
A25Q3	1853-0016	8		TRANSISTOR PNP 8I TO-92 PD#300MW	28480	1853-0016
A25Q4	1853-0016	8		TRANSISTOR PNP 8I TO-92 PD#300MW	28480	1853-0016
A25Q5	1853-0016	8		TRANSISTOR PNP 8I TO-92 PD#300MW	28480	1853-0016
A25Q6	1853-0016	8		TRANSISTOR PNP 8I TO-92 PD#300MW	28480	1853-0016
A25Q7	1853-0016	8		TRANSISTOR PNP 8I TO-92 PD#300MW	28480	1853-0016
A25Q8	1853-0016	8		TRANSISTOR PNP 8I TO-92 PD#300MW	28480	1853-0016
A25R1	06A3-2205	9	8	RESISTOR 22 5% .25W FC TC#-400/+500	01121	C82205
A25R2	06A3-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	C82205
A25R3	06A3-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	C82205
A25R4	06A3-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	C82205
A25R5	06A3-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	C82205
A25R6	06A3-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	C82205
A25R7	06A3-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	C82205
A25R8	06A3-2205	9		RESISTOR 22 5% .25W FC TC#-400/+500	01121	C82205
A25R9	0757-0280	3	1	RESISTOR 1000 1%	28480	0757-0280
A25R11	06A3-1325	2	8	RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	C81325
A25R12	06A3-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	C81325
A25R13	06A3-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	C81325
A25R14	06A3-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	C81325
A25R15	06A3-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	C81325
A25R16	06A3-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	C81325
A25R17	06A3-1325	2		RESISTOR 1.3K 5% .25W FC TC#-400/+700	01121	C81325

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
A25R18	06A3-1325	2		RESISTOR 1.3K 5% .25W FC TC=+400/+700	01121	CB1325
A25R21	1810-0164	7	2	NETWORK-RES 9-SIP2.7K OHM X 8	91637	CSP09C07-472J
A25R22	1810-0164	7		NETWORK-RES 9-SIP2.7K OHM X 8	91637	CSP09C07-472J
A25R23	1810-0135	2	1	NETWORK-RES 6-SIP10.0K OHM X 5	28480	1810-0135
A25R24	1810-0055	5	1	NETWORK-RES 9-SIP10.0K OHM X 8	28480	1810-0055
A25R25	0811-3069	8	1	RESISTOR 1 5% .5W PA TC=+150	75042	8A20-1-1R0-J
A25SW1	5060-9436	7	36	PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW2	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW3	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW4	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW5	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW6	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW7	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW8	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW9	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW10	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW11	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW12	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW13	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW14	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW15	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW16	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW17	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW18	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW19	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW20	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW21	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW22	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW23	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW24	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW25	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW26	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW27	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW28	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW29	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW30	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW31	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW32	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW33	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW34	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW36	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW37	5060-9436	7		PUSHBUTTON SWITCH P.C. MOUNT	28480	5060-9436
A25SW39	3101-2441	6	1	SW-PSHBTN	28480	A25SW39
A25U1	1990-0592	5	11	DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A25U2	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A25U3	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A25U4	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A25U5	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A25U6	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A25U7	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A25U8	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A25U9	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A25U10	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A25U11	1990-0592	5		DISPLAY-NUM-SEG 1-CHAR .43-H	28480	5082-7653
A25U12	1A58-0047	5	3	TRANSISTOR ARRAY 16-PIN	13606	ULN-2003A
A25U13	1A20-1200	5	2	IC INV TTL LS HEX	01295	SN74LS05N
A25U14	1A20-1433	6	2	IC SHF-RGTR TTL LS R-S SERIAL-IN PRL-OUT	01295	SN74LS164N
A25U15	1A58-0047	5		TRANSISTOR ARRAY 16-PIN	13606	ULN-2003A
A25U16	1A20-1200	5		IC INV TTL LS HEX	01295	SN74LS05N
A25U17	1A20-1433	6		IC SHF-RGTR TTL LS R-S SERIAL-IN PRL-OUT	01295	SN74LS164N
A25U18	1A58-0047	5		TRANSISTOR ARRAY 16-PIN	13606	ULN-2003A
A25U19	1A20-1730	6	1	IC FF TTL LS D-TYPE POS-EDGE-TRIG COM	01295	SN74LS273N
A25U20	1A20-1112	8	1	IC FF TTL LS D-TYPE POS-EDGE-TRIG	01295	SN74LS74N
A25U21	1A20-1433	1	1	IC MUX/DATA-SEL TTL LS 2-TO-1-LINE QUAD	01295	SN74LS257AN
	1200-0473		1	SOCKET-IC 16 DIP	28480	1200-0473
	1200-0638		1	SOCKET-IC 14 DIP	28480	1200-0638

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
CHASSIS AND CHASSIS MOUNTED COMPONENTS						
B1	03325-61612		1	FAN (WITH CABLE)	28480	03325-61612
C1	0150-0012		1	C-F .01 μ F 1000 V	28480	0150-0012
C2	0150-0012	3	1	CAPACITOR-FXD .01 UF 1KV	28480	0150-0012
C3	0160-0012	4	1	CAPACITOR-FXD .01 UF 1KV	28480	0160-0012
C4	0160-0012	4	1	CAPACITOR-FXD .01 UF 1KV	28480	0160-0012
C5	0160-0012	4	1	CAPACITOR-FXD .01 UF 1KV	28480	0160-0012
C33	0160-4571		1	C-F .1 μ F .20	28480	0160-4571
C202	0160-4571		1	C-F .1 μ F .20	28480	0160-4571
C203	0160-4571		1	C-F .1 μ F .20	28480	0160-4571
C205	0160-4571		1	C-F .1 μ F .20	28480	0160-4571
	5041-2302	2	1	75 Ω CONN PLASTIC INSERT (3336A)	28480	5041-2302
	5041-2301	1	1	75 Ω CONN PLASTIC INSERT (3336A/001)	28480	5041-2301
	5041-1493	1	1	150 Ω CONN PLASTIC INSERT (3336A)	28480	5041-1493
	5041-1493	0	1	600 Ω CONN PLASTIC INSERT (3336A)	28480	5041-1493
	5041-1469	0	1	75 Ω CONN PLASTIC INSERT (3336B)	28480	5041-1469
	5041-1466	7	1	75 Ω CONN PLASTIC INSERT (3336B/001)	28480	5041-1466
	5041-2304	1	1	124 Ω CONN PLASTIC INSERT (3336B)	28480	5041-2304
	5041-2303	3	1	124 Ω CONN PLASTIC INSERT (3336B/001)	28480	5041-2303
	5041-1467	1	1	135 Ω CONN PLASTIC INSERT (3336B)	28480	5041-1467
	5041-1600	1	1	600 Ω CONN PLASTIC INSERT (3336B)	28480	5041-1600
E1	9100-3875		1	CONNECTOR, PWR	28480	9100-3875
F1	2110-0001		1	FUSE - 1 AMP 250V NB	04703	312001
F1	2110-0012		1	FUSE - .5 AMP 250V NB	28480	2110-0012
FX1	2100-0543		1	FUSE HOLDER	06328	FEC031.1603
FXC1	2110-0545		1	FUSE HOLDER CAP	06328	FEK031.1613
J1	03336-61614		1	50 OHM CONN (3336C)	28480	03336-61614
	03336-61612		1	75 OHM CONN (3336A)	28480	03336-61612
	03336-61615		1	75 OHM CONN (3336A/001)	28480	03336-61615
	03336-61610		1	75 OHM CONN (3336B)	28480	03336-61610
	03336-61611		1	75 OHM CONN (3336B/001)	28480	03336-61611
J2	03336-61613		1	75 OHM CONN (3336C)	28480	03336-61613
	1250-1116		2	124 OHM CONN (3336B)	28480	1250-1116
	1250-1053		2	124 OHM CONN (3336B/001)	28480	1250-1053
	1251-5586		1	150 OHM CONN (3336A)	28480	1251-5586
J3	1251-5790		2	135 OHM CONN (3336A)	05057	M-114B
J4	1251-5586		1	600 OHM CONN (3336A)	28480	1251-5586
	1251-5790		1	600 OHM CONN (3336B)	28480	1251-5790
J5 THRU J16	1250-1558		12	ADAPTER - COAX STR F-BNC F-RCA-PHONO	28480	1250-1558
MP1	03336-64302		1	PNL, DRESS LWR (3336A)	28480	03336-64302
MP1	03336-64301		1	PNL, DRESS LWR (3336B)	28480	03336-64301
MP1	03336-64303		1	PNL, DRESS LWR (3336C)	28480	03336-64303
MP2	5040-6928		1	DIVIDER STRIP	28480	5040-6928
MP3	03336-29301		1	PNL, DRESS UPR (3336A)	28480	03336-29301
MP3	03336-29302		1	PNL, DRESS UPR (3336B)	28480	03336-29302
MP3	03336-29303		1	PNL, DRESS UPR (3336C)	28480	03336-29303
MP4	03336-60201		1	FRONT SUB PANEL	28480	03336-60201
MP5	5020-8803		1	FRONT FRAME	28480	5020-8803
MP6	5040-7202		1	TRIM, TOP	28480	5040-7202
MP7	5020-8837		4	CORNER STRUT	28480	5020-8837
MP8	5060-9880		2	PNL, SIDE	28480	5060-9880
MP9	5040-7219		2	STRAP HDL CAP - FR	28480	5040-7219
MP10	5060-9804		2	STRAP HDL - 18 IN	28480	5060-9804
MP11	5040-7220		2	STRAP HDL CAP - R	28480	5040-7220
MP12	5060-9835		1	TOP COVER	28480	5060-9835
MP13	03336-60202		1	PNL, REAR	28480	03336-60202
MP14	5020-8804		1	REAR FRAME	28480	5020-8804
MP15	03336-66602		1	MAIN FRAME	28480	03336-66602
MP16	5040-4527		1	FASTENER	28480	5040-4527
MP17	5001-0439		2	TRIM, SIDE	28480	5001-0439
MP18	5060-9847		1	BTM COVER	28480	5060-9847
MP19	5040-7201		4	FOOT	28480	5040-7201
MP20	1460-1345		2	TILT, STAND	28480	1460-1345
MP21	03325-61101		1	HT SINK ASSY	28480	03325-61101
MP22	3150-0228		1	FILTER, SCREEN	28480	3150-0228
MP23	3150-0227		1	FILTER, FOAM	28480	3150-0227
MP24	3160-0201		1	FAN, GRILL	28480	3160-0201
MP25	1400-0783		6	CLAMP-CABLE .25-DIA .438-WD NYL	28480	1400-0783
MP26	5040-6898		1	LIGHT PIPE	28480	5040-6898
MP27	00310-48801		20	WASHER, SHLDR	28480	00310-48801
MP28	3050-0604		8	WASHER, FL	28480	3050-0604
MP29	0360-1089		4	TERMINAL, SLDR LUG	28480	0360-1089
R1	0683-1015		1	RESISTOR 100 5% .25W	01607	CB1015
T1	9100-0480		1	TRANSFORMER, POWER	28480	9100-0480

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
CHASSIS (CONT'D)						
W1	03336-61602		1	CABLE, SIGNAL 50 OHM (3336A/B)	28480	03336-61602
W1	03336-61614		1	CABLE, SIGNAL 50 OHM (3336C)	28480	03336-61614
W2	03336-61612		1	CABLE, SIGNAL 75 OHM (3336A)	28480	03336-61612
W2	03336-61615		1	CABLE, SIGNAL 75 OHM (3336A/001)	28480	03336-61615
W2	03336-61610		1	CABLE, SIGNAL 75 OHM (3336B)	28480	03336-61610
W2	03336-61611		1	CABLE, SIGNAL 75 OHM (3336B/001)	28480	03336-61611
W2	03336-61613		1	CABLE, SIGNAL 75 OHM (3336C)	28480	03336-61613
W3	P/O 03336-61601 (8120-2585)		1	CABLE, 20 - 60 MHZ UNMARKED W3	28480 28480	P/O 03336-61601 (8120-2585)
W4	P/O 03336-61601 (8120-2585)		1	CABLE, EXT LVL UNMARKED W4	28480 28480	P/O 03336-61601 (8120-2585)
W5	P/O 03336-61601 (8120-2585)		1	CABLE, SYNC UNMARKED W5	28480 28480	P/O 03336-61601 (8120-2585)
W6	03336-66512		1	CABLE, HP-IB, INCLUDES A12 PC BOARD	28480	03336-66512
W7	P/O 03336-61601 (8120-2585)		1	CABLE, AMPTD MOD UNMARKED W7	28480 28480	P/O 03336-61601 (8120-2585)
W8	P/O 03336-61601 (8120-2585)		1	CABLE, 100 KHZ UNMARKED W8	28480 28480	P/O 03336-61601 (8120-2585)
W9	P/O 03336-61601 (8120-2587)		1	CABLE, 2 MHZ UNMARKED W9	28480 28480	P/O 03336-61601 (8120-2587)
W10	P/O 03336-61601 (8120-2587)		1	CABLE, 1 MHZ REF OUT UNMARKED W10	28480 28480	P/O 03336-61601 (8120-2587)
W11	P/O 03336-61601 (8120-2586)		1	CABLE, EXT REF IN UNMARKED W11	28480 28480	P/O 03336-61601 (8120-2586)
W12	03325-61604		1	CABLE, 2 BLANK	28480	03325-61604
W13	03325-61619		1	CABLE, MARKER	28480	03325-61619
W14	03325-61620		1	CABLE, X DRIVE	28480	03325-61620
W15	03325-61606		1	CABLE, VTO	28480	03325-61606
W16	03325-61607		1	CABLE, PHASE MODF	28480	03325-61607
W17	03325-61608		1	CABLE, PHASE DET	28480	03325-61608
W18	03325-61609		1	CABLE, S & H	28480	03325-61609
W19	03325-61610		1	CABLE, OVEN OUT (OPT 004)	28480	03325-61610
W22	03325-61611		1	CABLE, DC SUPPLY	28480	03325-61611
W23	03325-61603		1	CABLE, ALC	28480	03325-61603
W24	03325-61609		1	CABLE, MIXER	28480	03325-61609
W25	03325-61612		1	CABLE, FAN, INCLUDES FAN (B1)	28480	03325-61612
W26	03325-61613		1	CABLE, HP-IB POWER	28480	03325-61613
W27	03325-61614		1	CABLE, KEYBOARD, RIBBON	28480	03325-61614
W29	03325-61616		1	CABLE, OVEN POWER (OPT 001)	28480	03325-61616
W30	03336-61616		1	CABLE, ATTN CONTROL	28480	03336-61616
W30	03336-61617		1	CABLE, ATTN CONTROL (OPT 005)	28480	03336-61617
W31	8120-3108	9	1	CABLE, MULTICONDUCT	28480	8120-3108
W32	8120-3108	9	1	CABLE, MULTICONDUCT	28480	8120-3108
W33	8120-3108	9	1	CABLE, MULTICONDUCT	28480	8120-3108
W34	8120-1378		1	CABLE, AC POWER	28480	8120-1378
W35	03336-61601		1	CABLE ASSY, INCLUDES W3, W4, W5, W7, W8, W9, W10, W11	28480	03336-61601
W36	03336-61618		1	CABLE, OUTPUT CONTROL	28480	03336-61618
W37	03325-61625		1	CABLE, + 15 V UNREG	28480	03325-61625
W40	03336-61603	4	1	CABLE, SIGNAL 50 OHM, AMP OUT (3336A/B)	28480	03336-61603
W40	03336-61602	3	1	CABLE, SIGNAL 50 OHM (3336C)	28480	03336-61602
	1251-4288		1	STRAIN RLF (USED ON W27)	28480	1251-4288
	1250-1499		1	BNC TO BNC REF JUMPER	28480	1250-1499

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

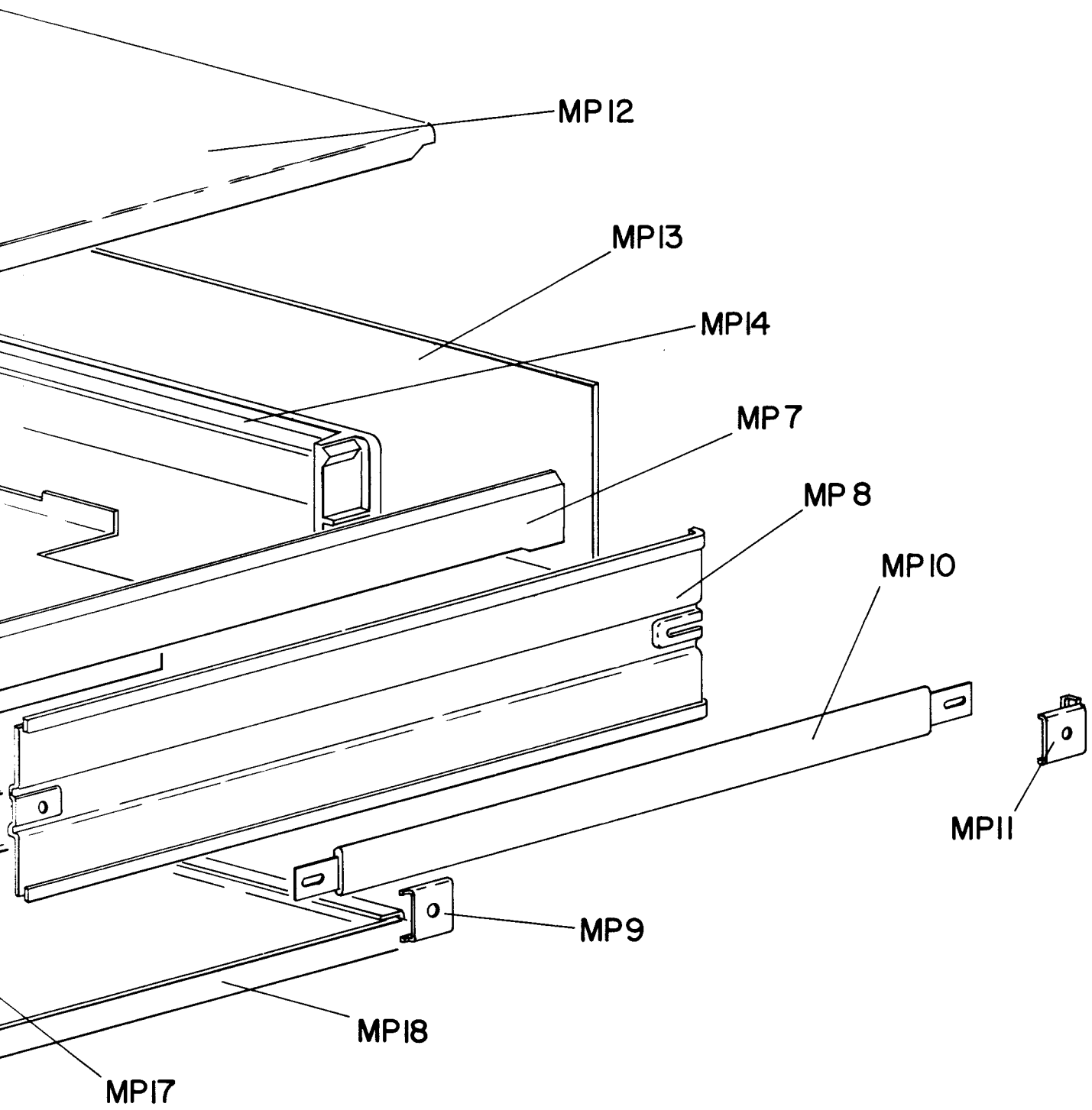
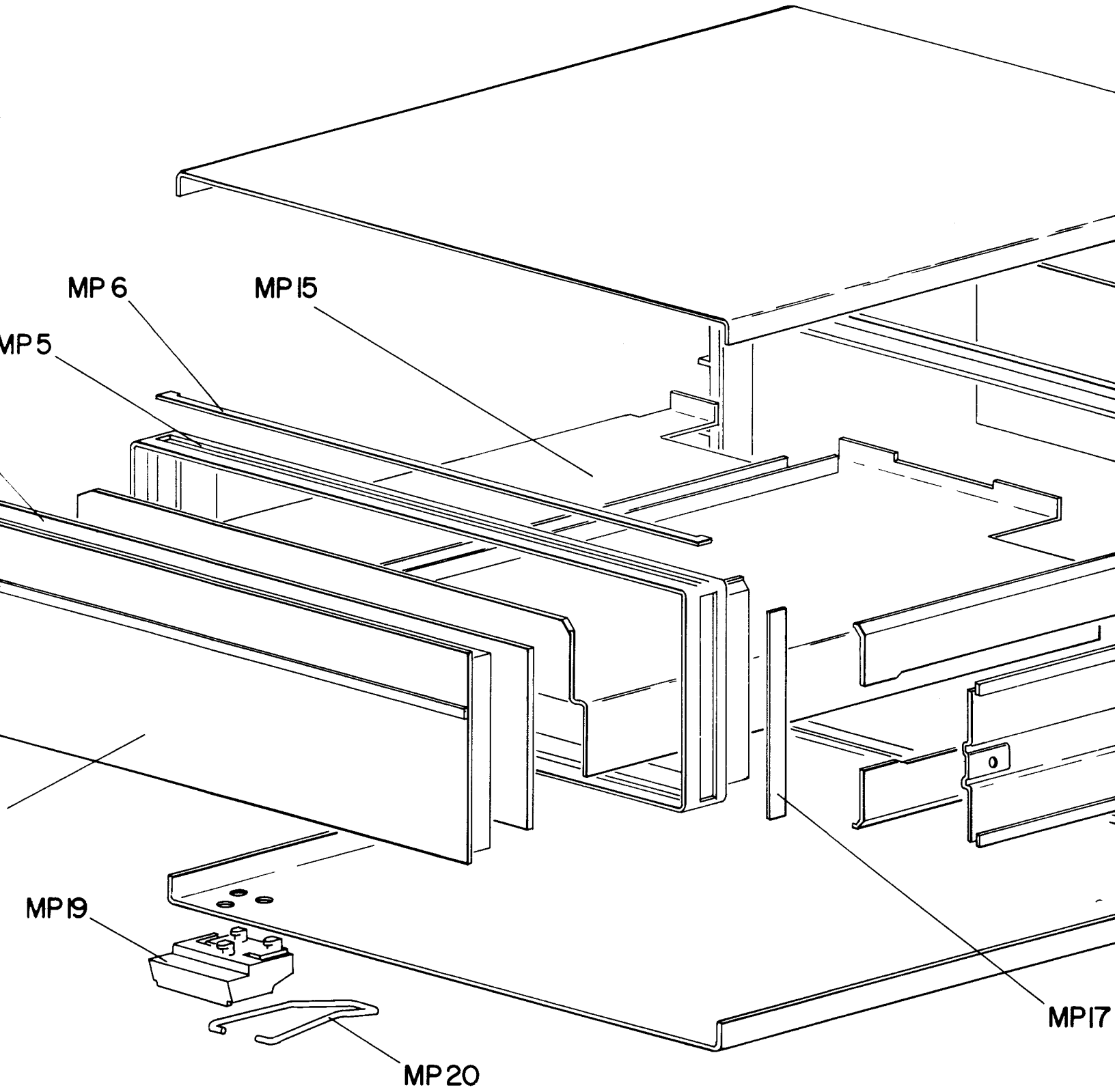
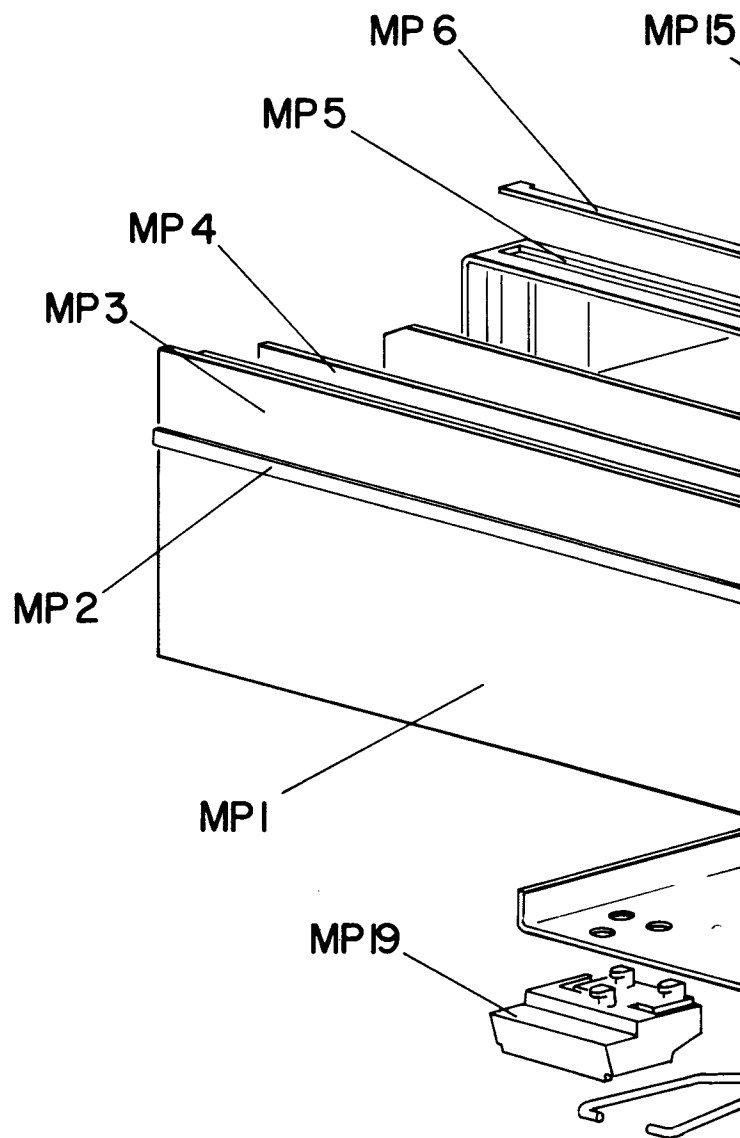
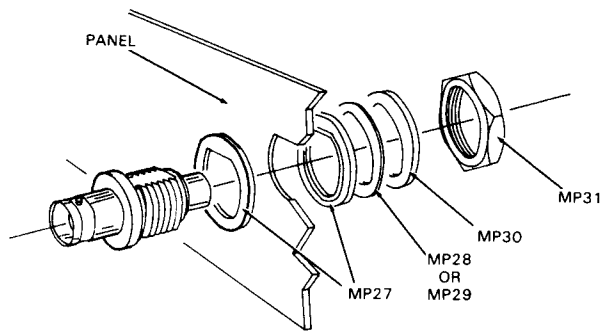


Figure 6-1. Location of Parts.
6-37





SECTION VII

MANUAL CHANGES

As changes are made in the instrument to improve performance and reliability, the other sections of the manual will be revised and this section will contain the information necessary to adapt the manual to earlier instruments.

WARNING

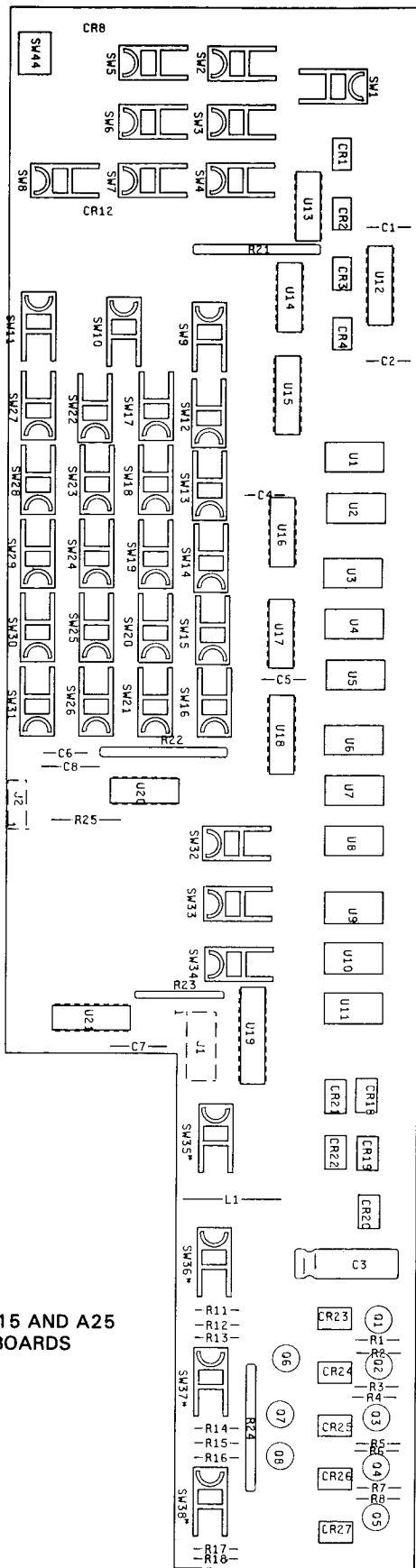
These servicing instructions are for use by trained service personnel only. To avoid electrical shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

SECTION VIII

SERVICE

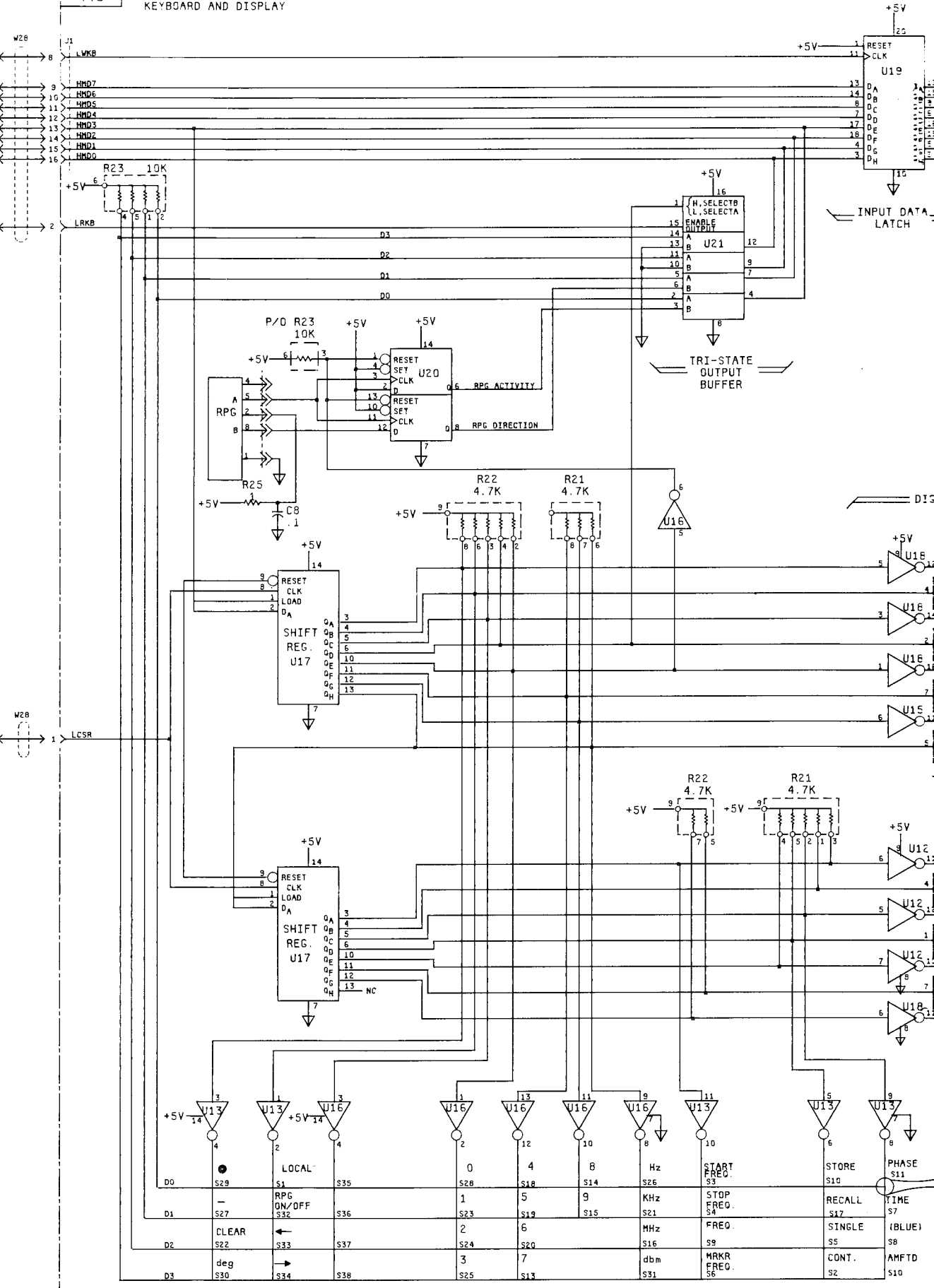
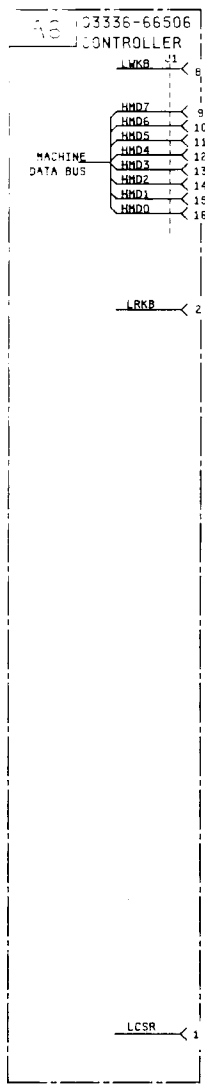
8-1. INTRODUCTION.

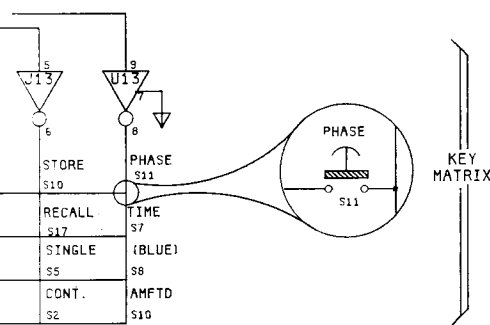
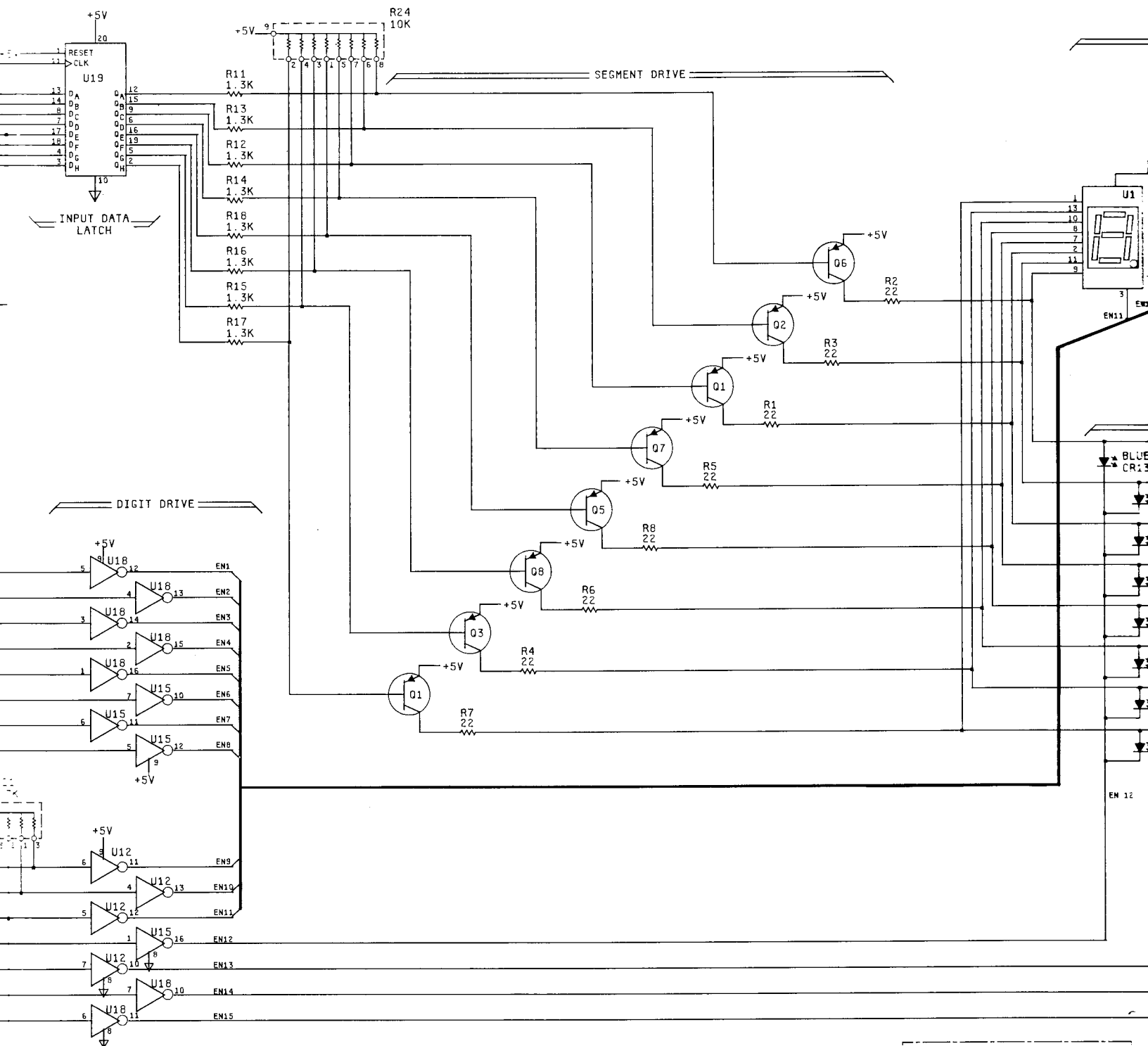
8-2. This section contains schematics, component locators and a block diagram for the -hp-3336A/B/C. Troubleshooting procedures and other service information are being developed at this time. If you want this information, fill out the pink manual insert, return it to Hewlett-Packard and at the first opportunity, a new Service Section will be returned to you.



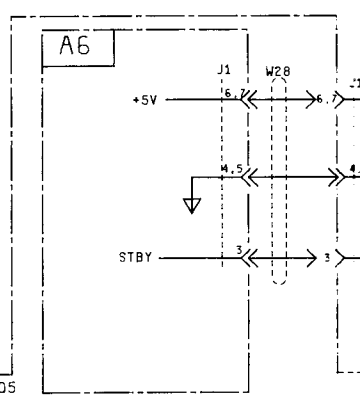
SIMILAR TO A15 AND A25
CIRCUIT BOARDS

A5 03336-66505/15/25
KEYBOARD AND DISPLAY





	S35	S36	S37	S38	CR28	CR29	CR30	CR31	
3336A	03336-66505	75Ω	150Ω	-	600Ω	75Ω	150Ω	-	600Ω
3336B	03336-66515	75Ω	124Ω	135Ω	600Ω	75Ω	124Ω	135Ω	600Ω
3336C	03336-66525	-	50Ω	75Ω	-	-	50Ω	75Ω	-



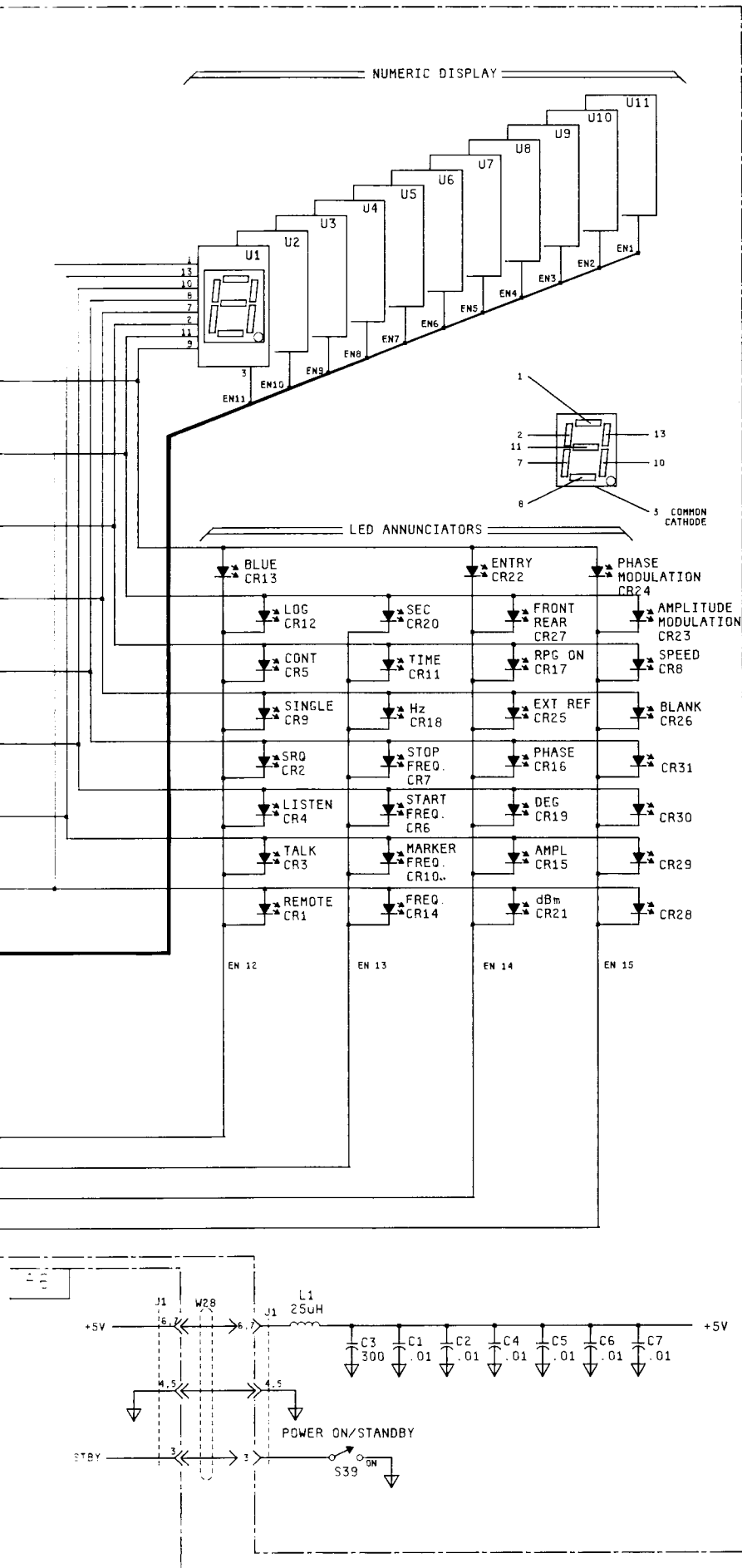
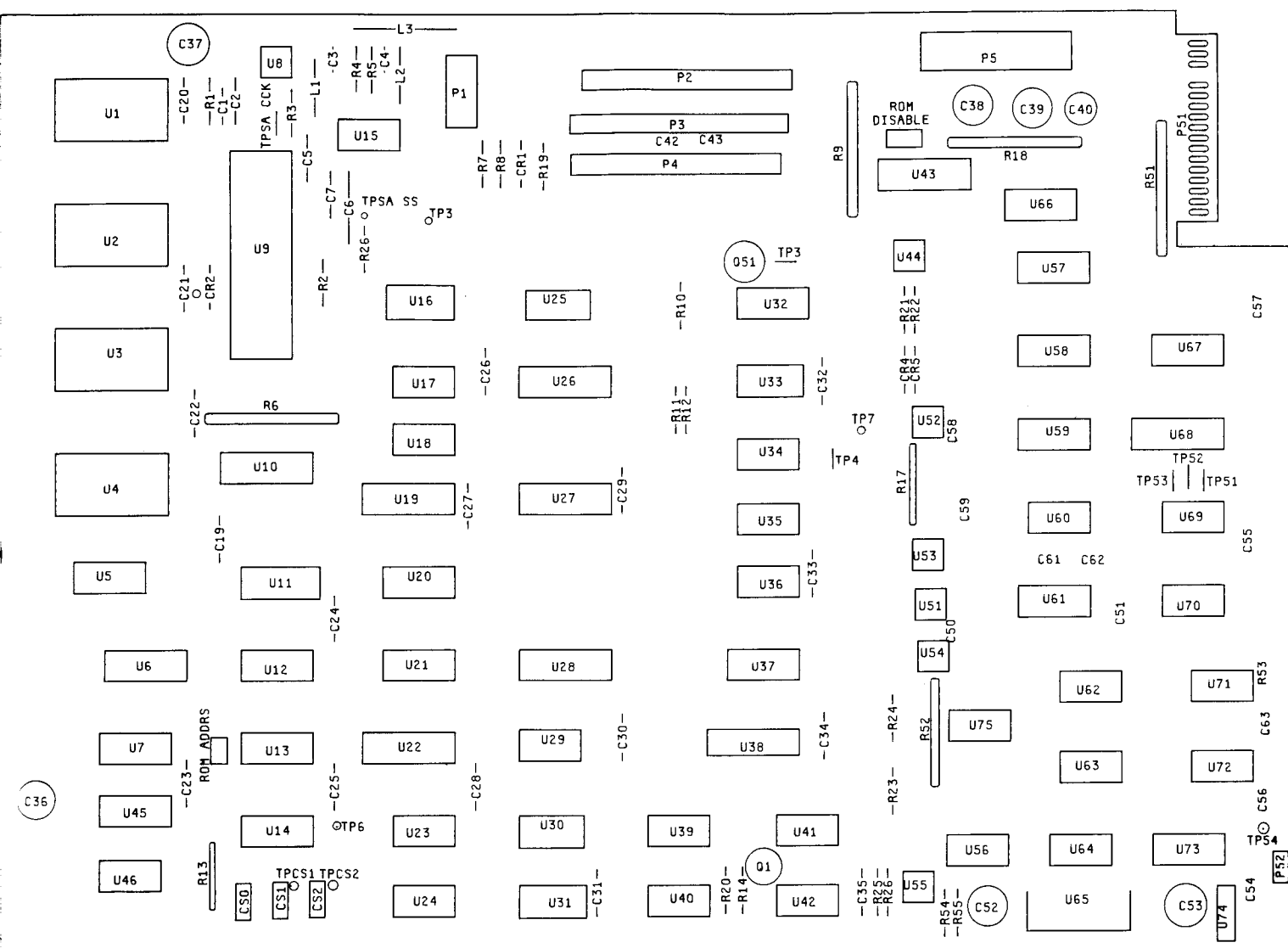
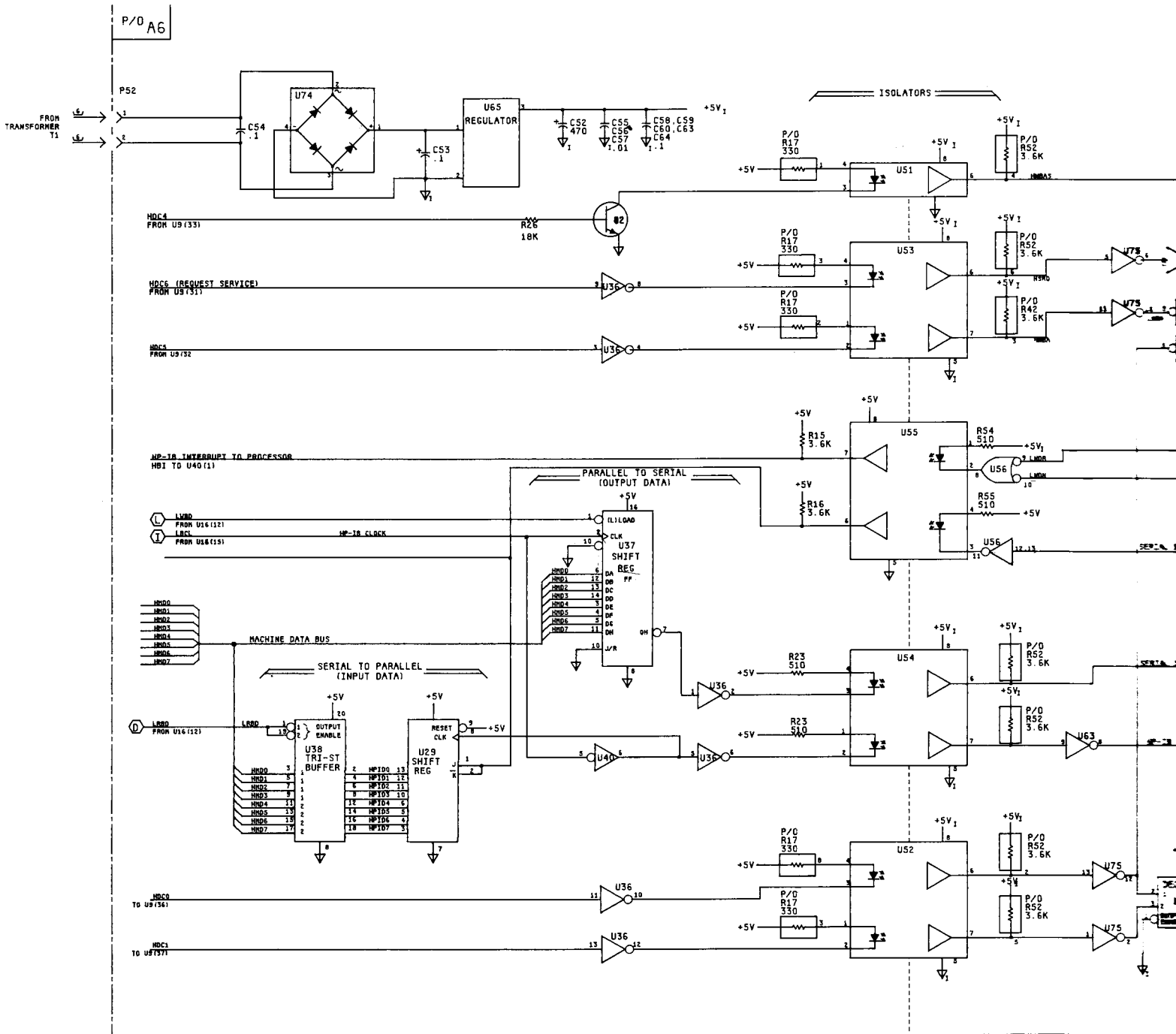


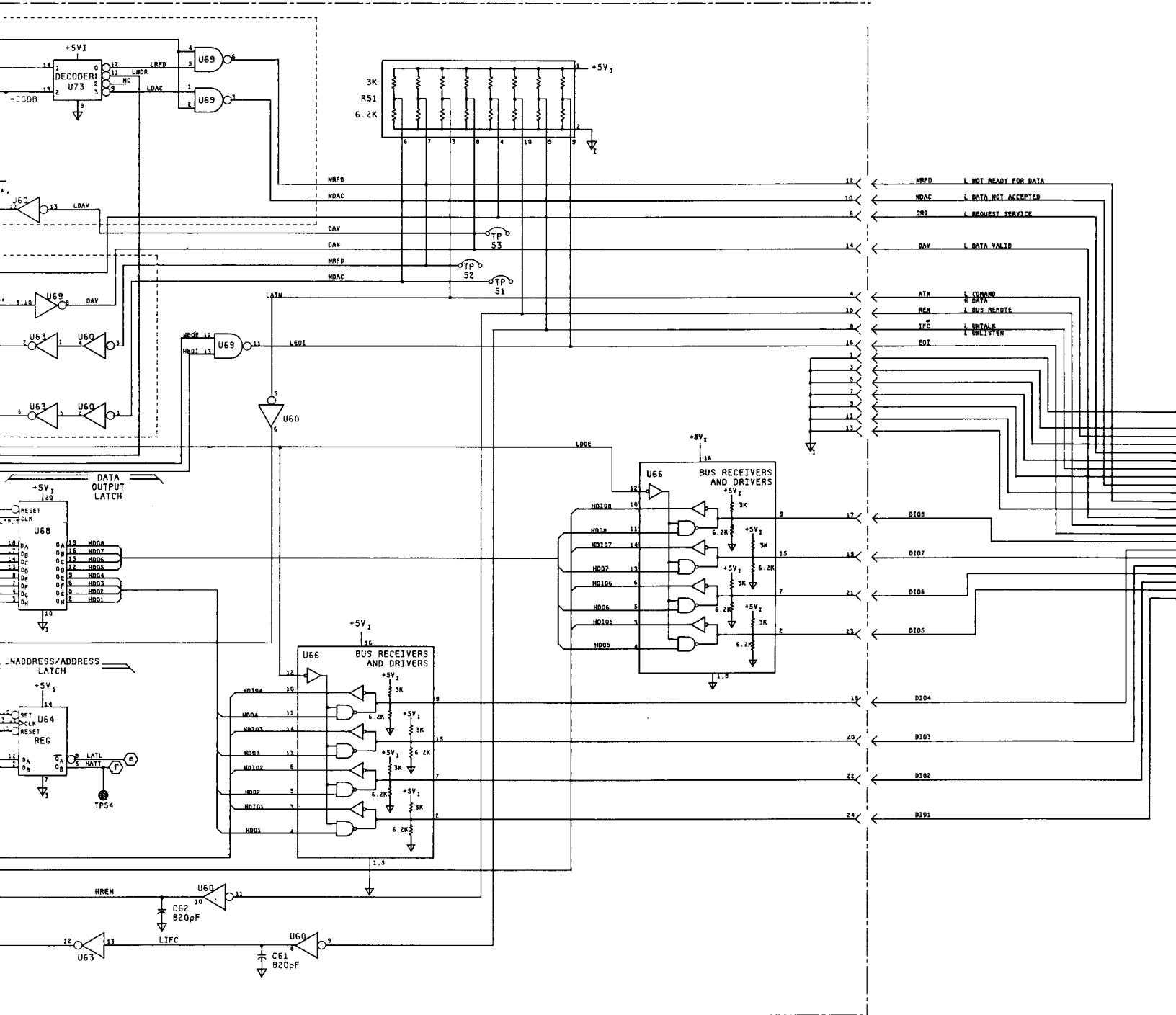
Figure 8-1. Keyboard and Display, A5/A15/A25.
8-3/8-4

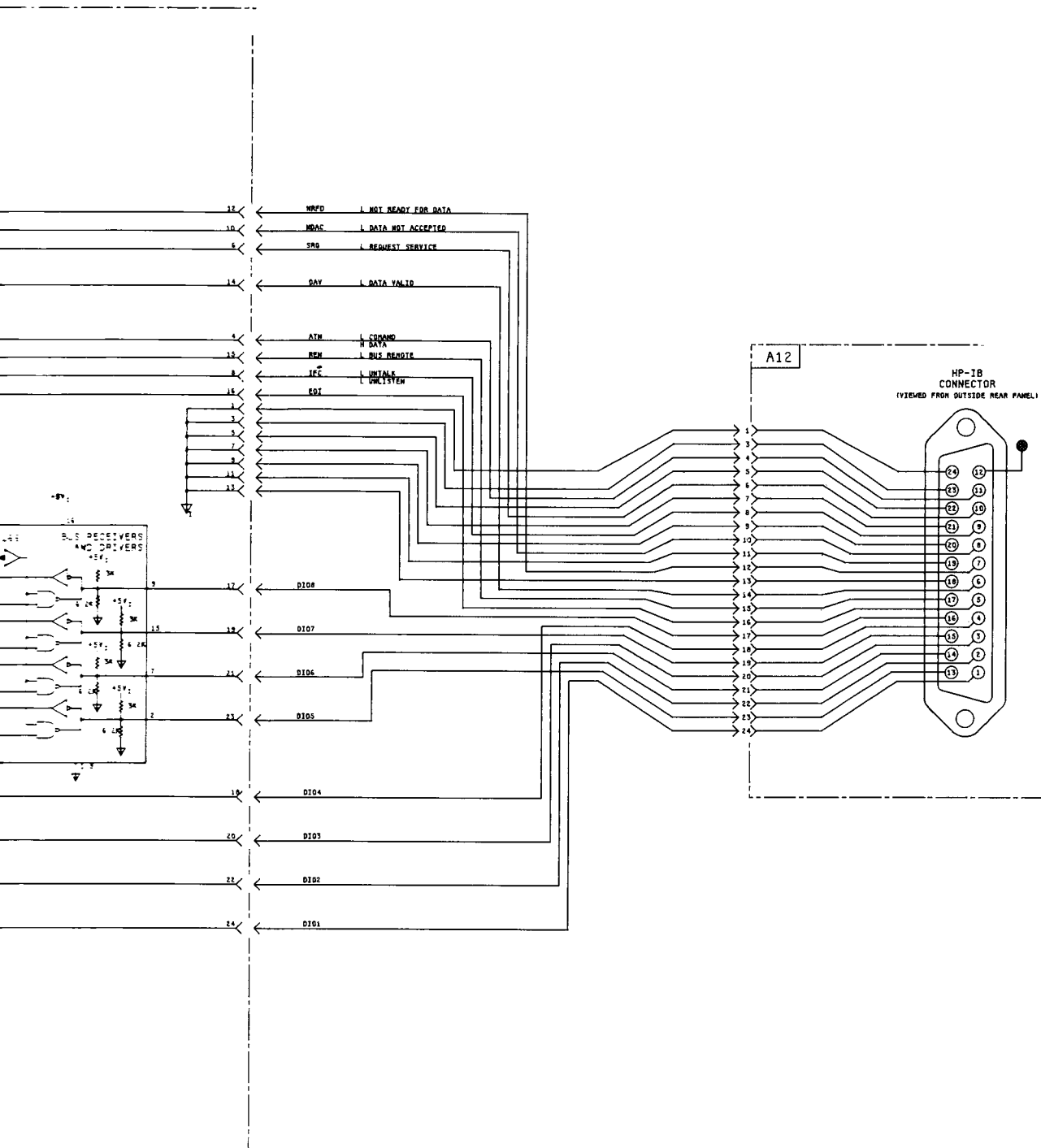


3336-106C

A6
03336-66506

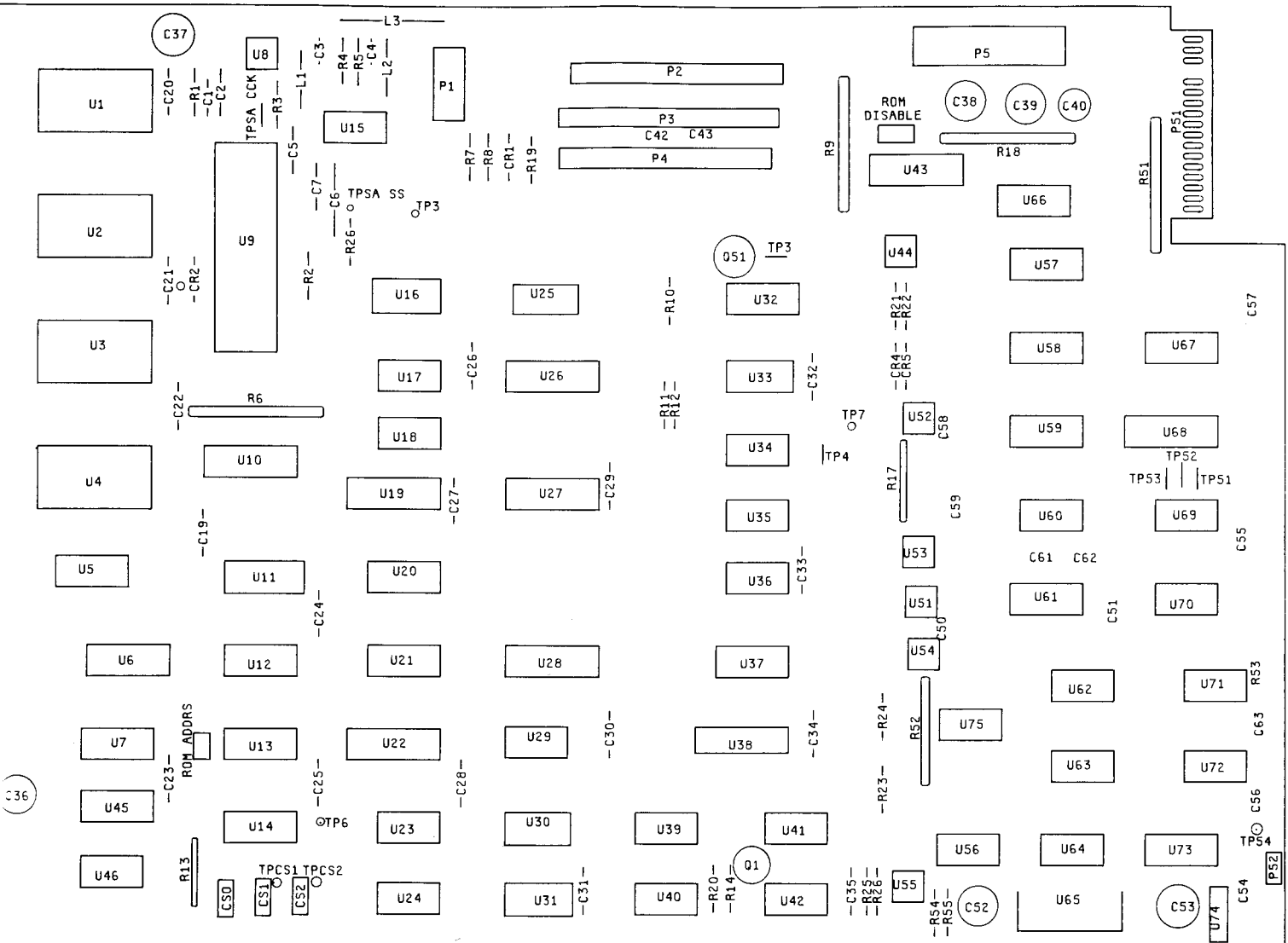






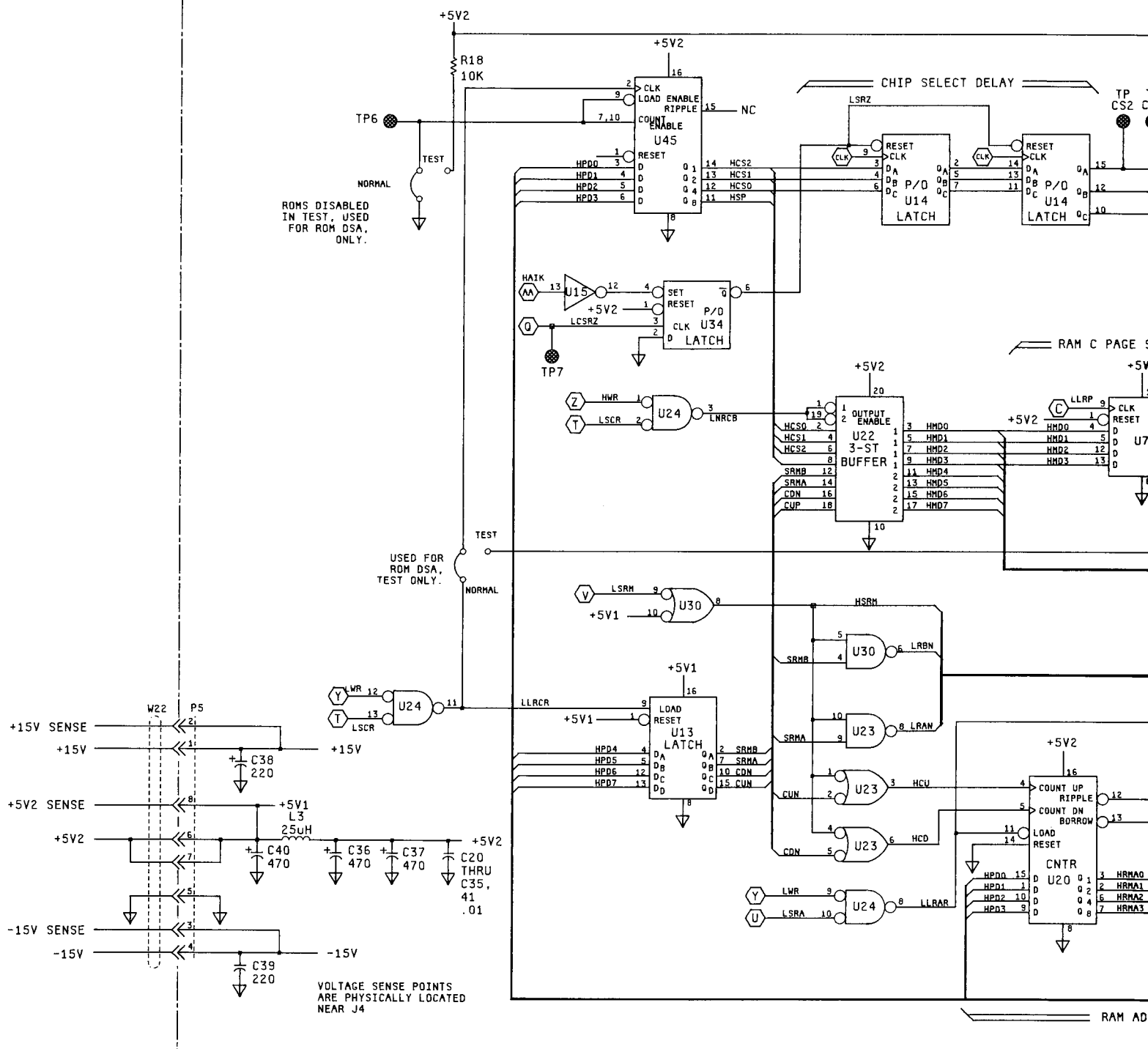
3336-A106/3

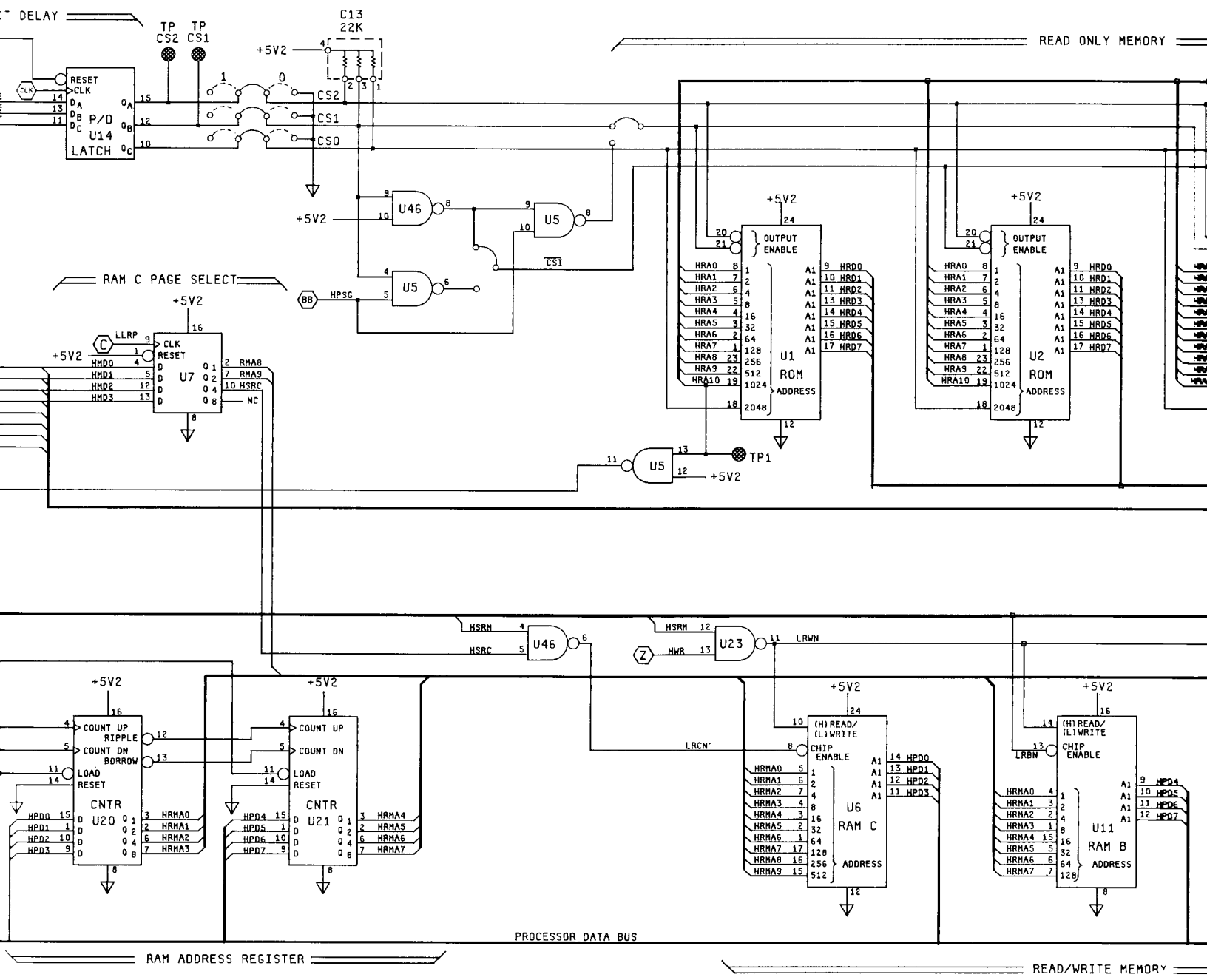
Figure 8-2. HP-IB Circuits, A6.
8-5/8-6

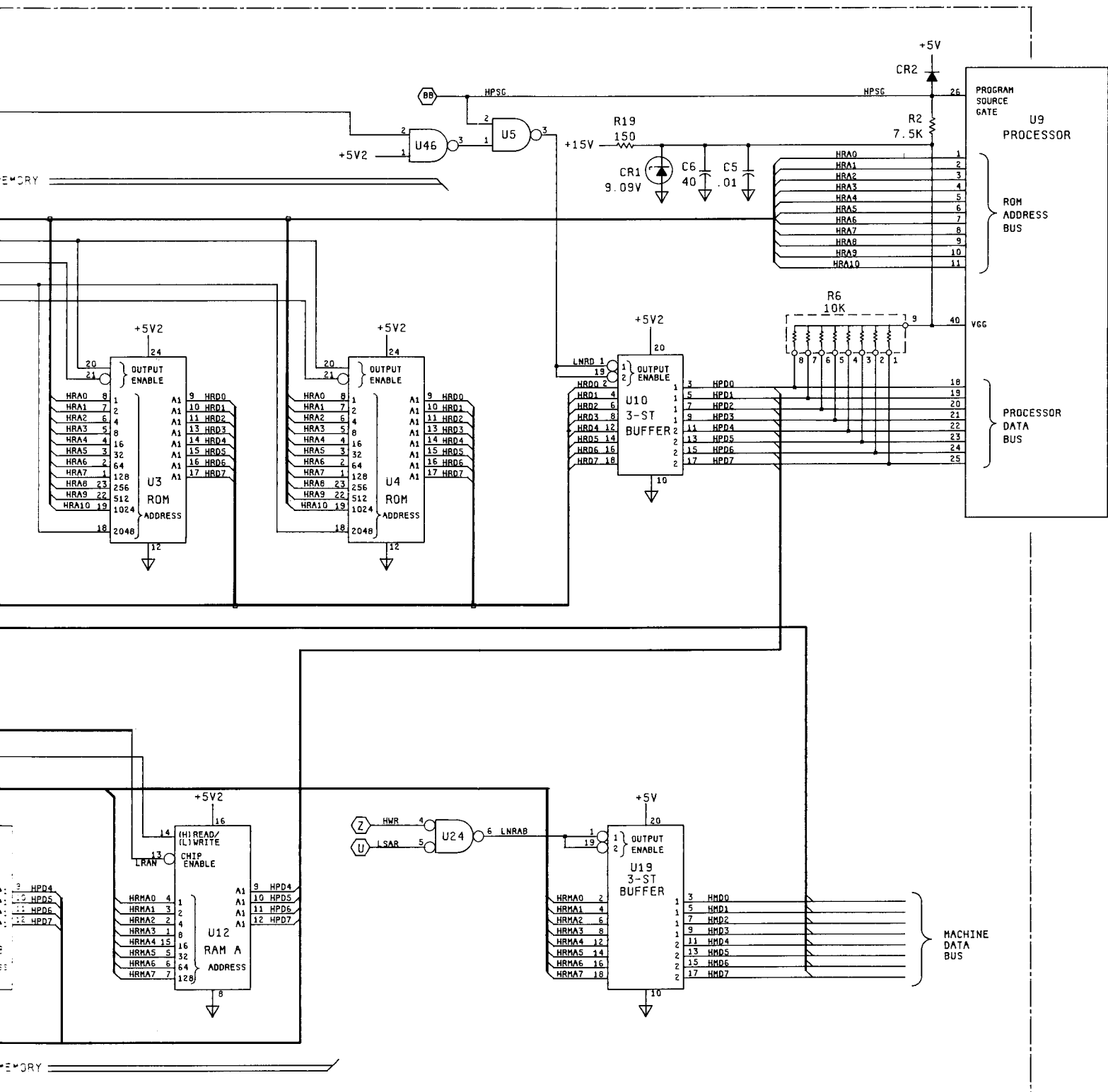


3336-106C

A6
03336-66506

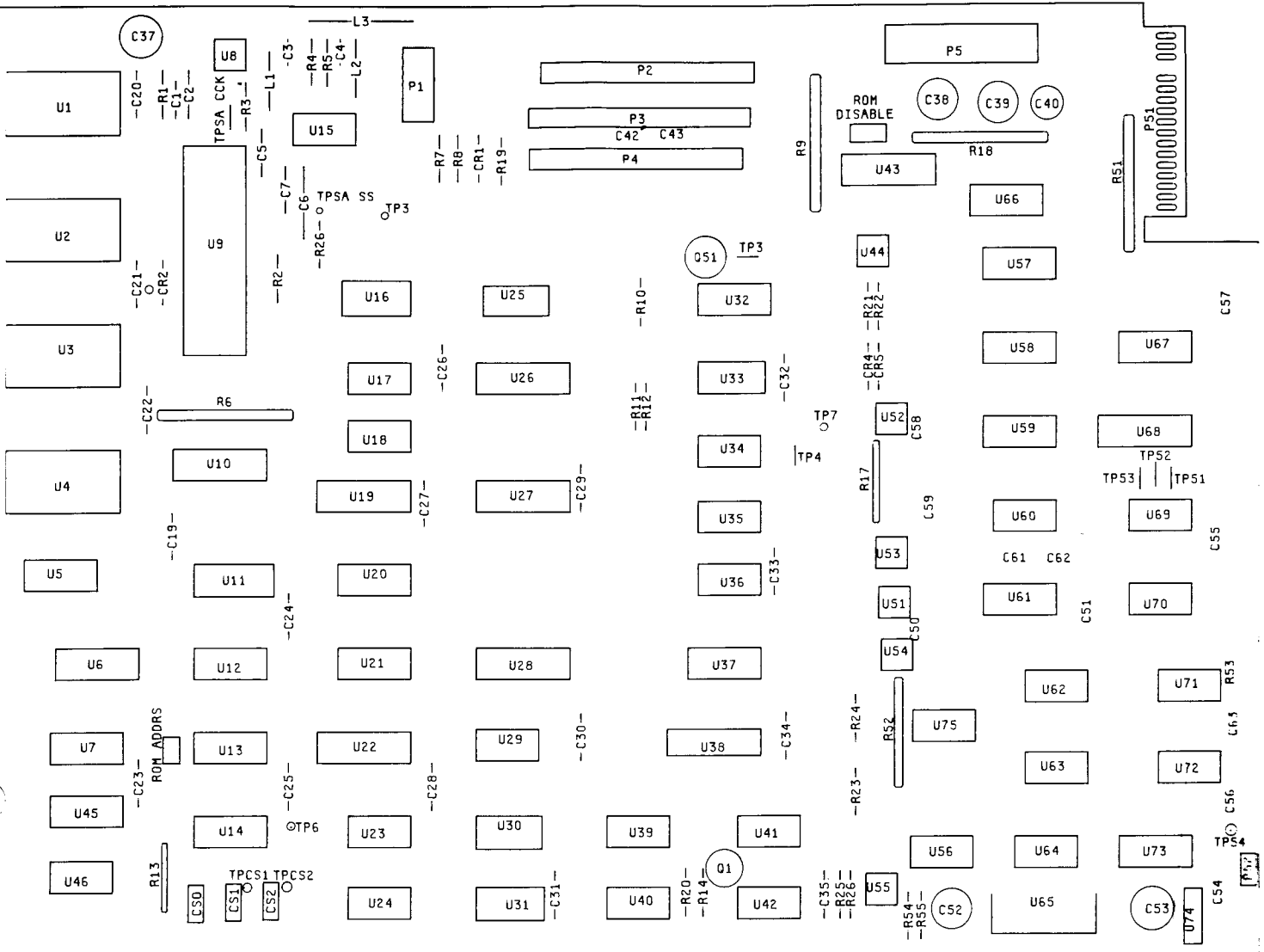






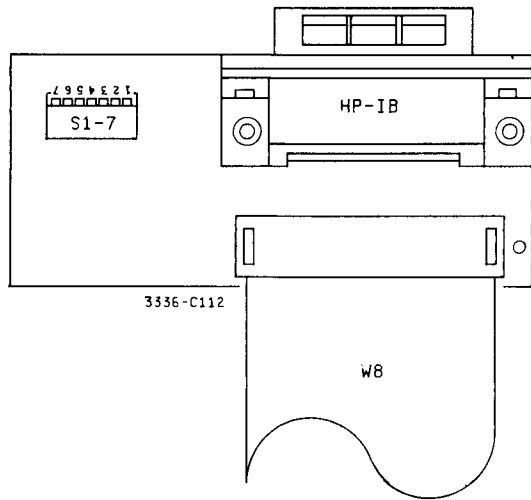
3336-A106/1

Figure 8-3. Microprocessor Control (Memory)



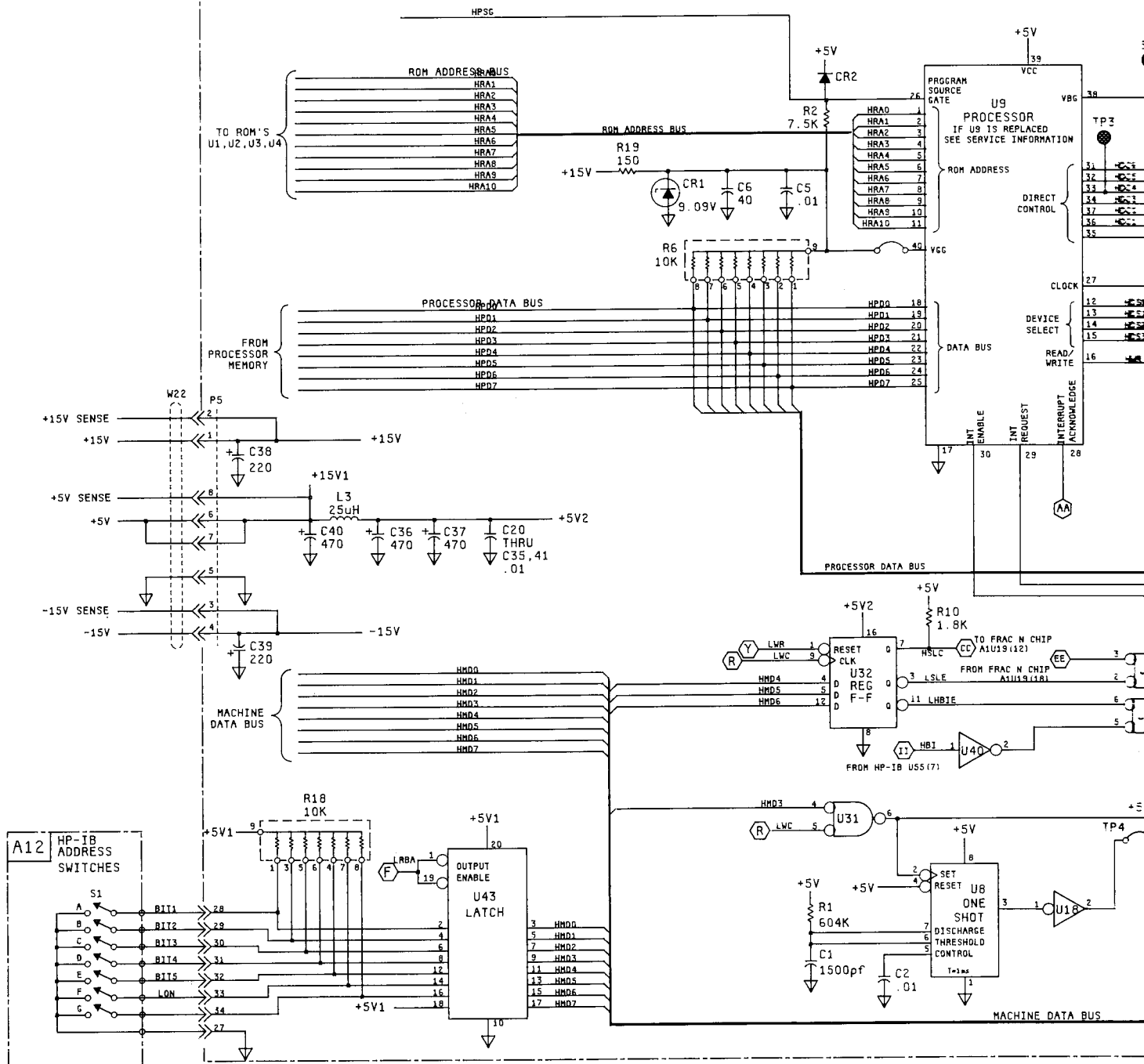
3336-106C

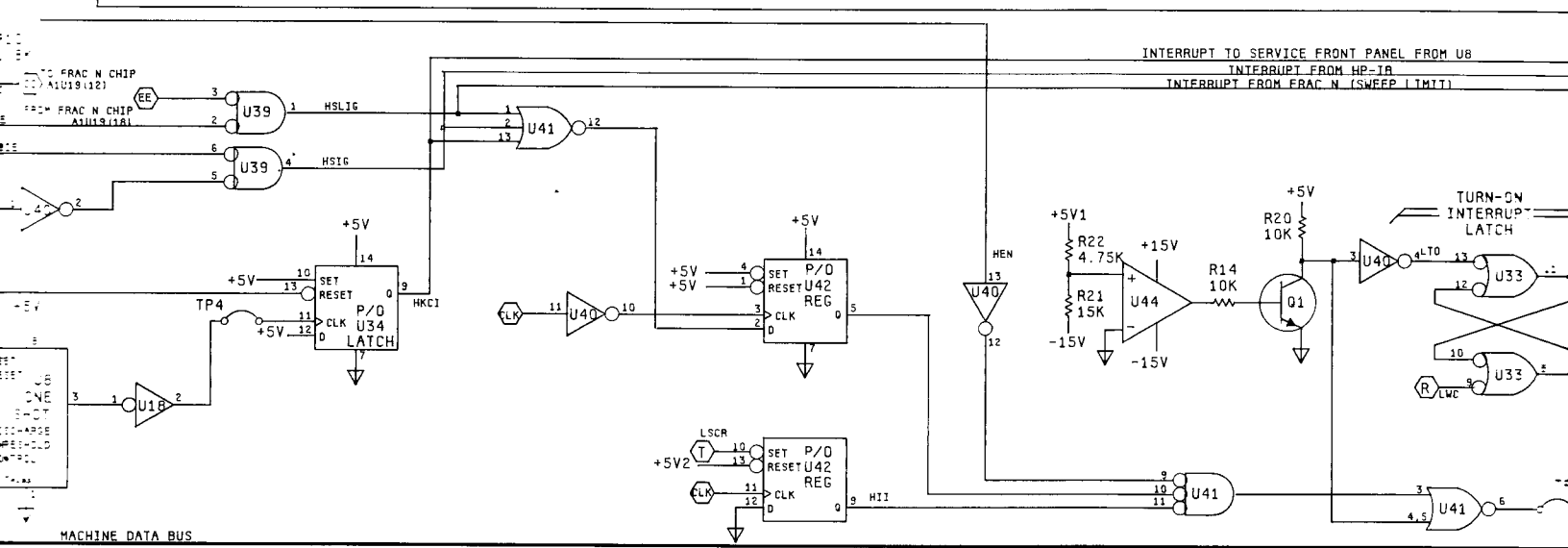
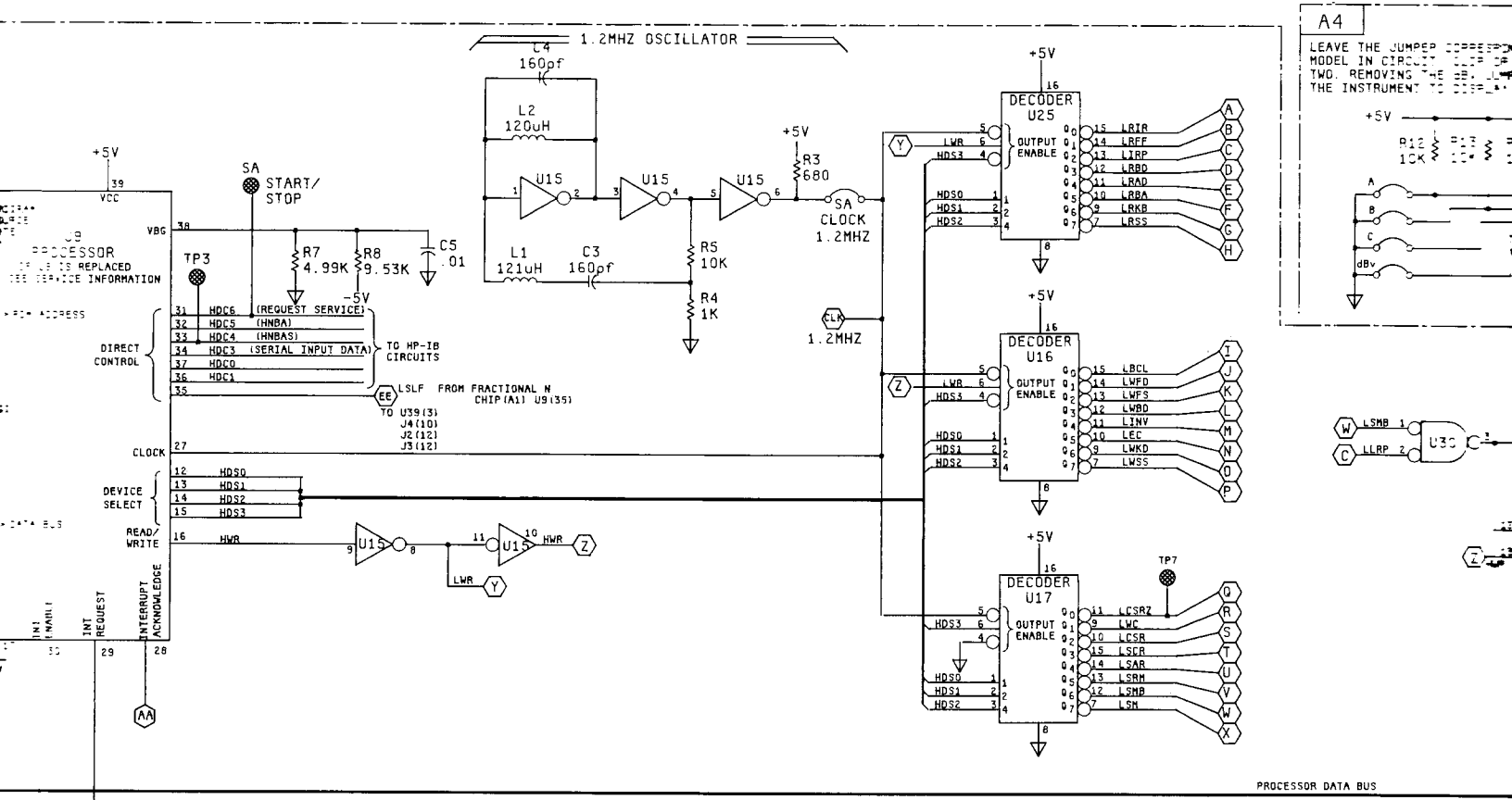
A6
03336-66506



A12
03336-66512

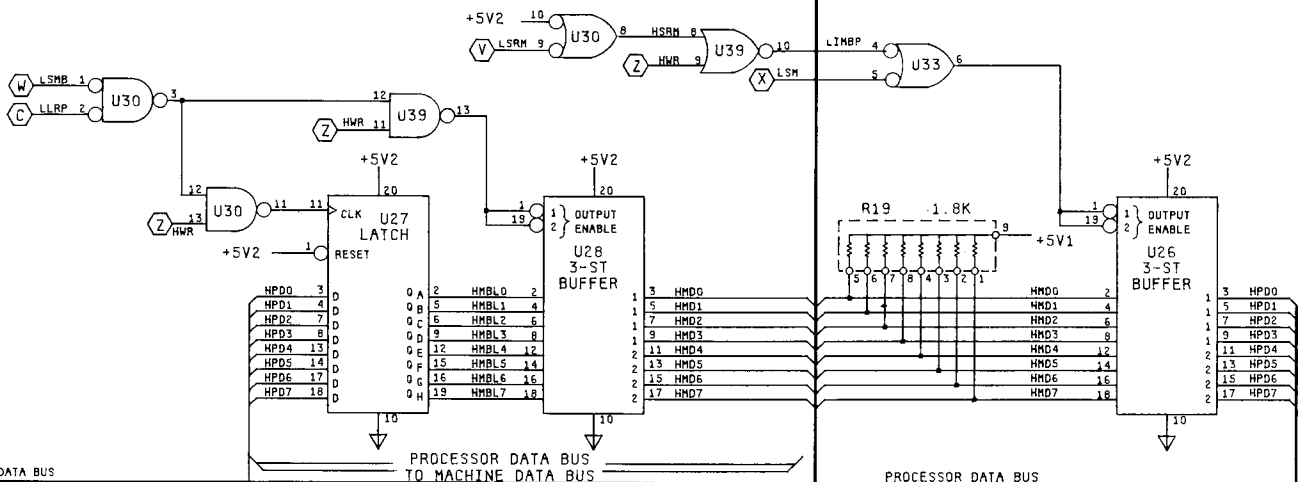
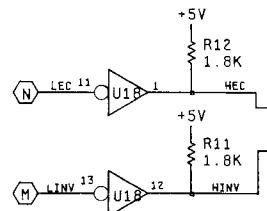
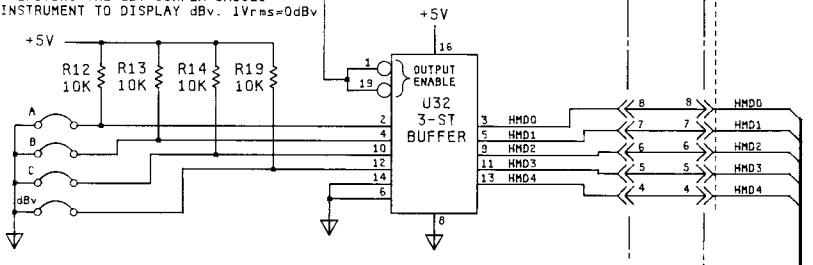
P/O A6 03336-66506
CONTROL ASSEMBLY (PROCESSOR)





A4

LEAVE THE JUMPER CORRESPONDING TO THE MODEL IN CIRCUIT. CLIP OR REMOVE THE OTHER. REMOVING THE dBV JUMPER CAUSES THE INSTRUMENT TO DISPLAY dBv. 1Vrms=0dBv



PROCESSOR DATA BUS

PROCESSOR DATA BUS TO MACHINE DATA BUS

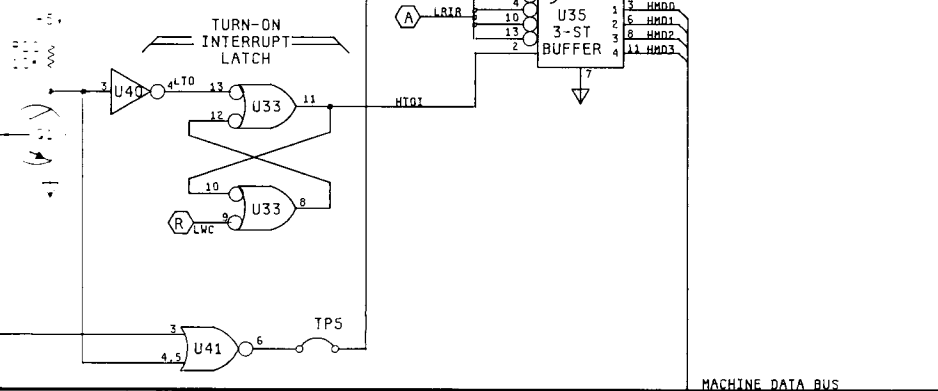
PROCESSOR DATA BUS

MACHINE DATA BUS TO PROCESSOR DATA BUS

FROM A6J4(10)

REFERENCE FRONT PANEL FROM U8
READ FROM HP-1R
REACTOR (SWEEP LIMIT)

INTERRUPT REGISTER



MACHINE DATA BUS

MACHINE DATA BUS

STBY

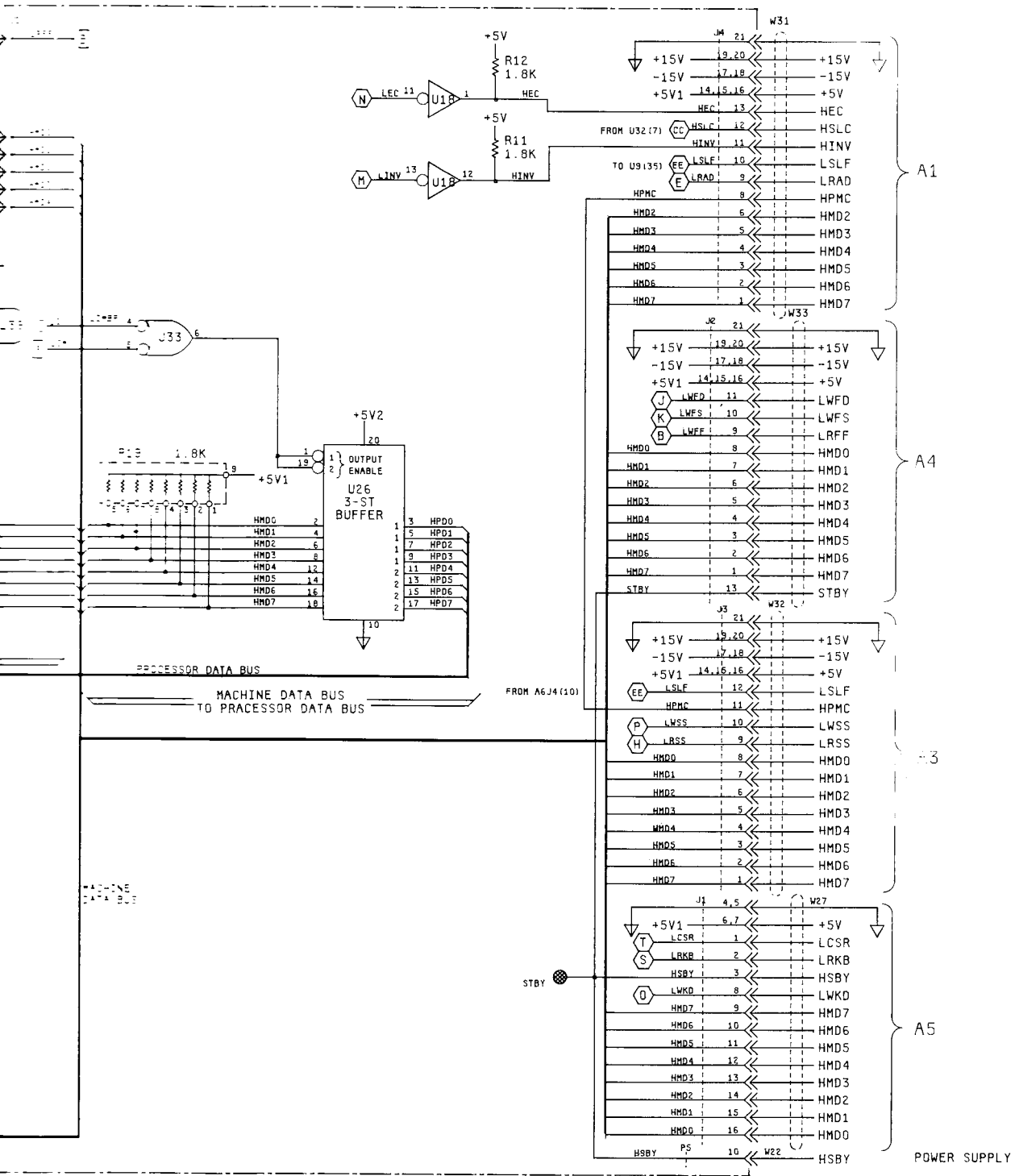
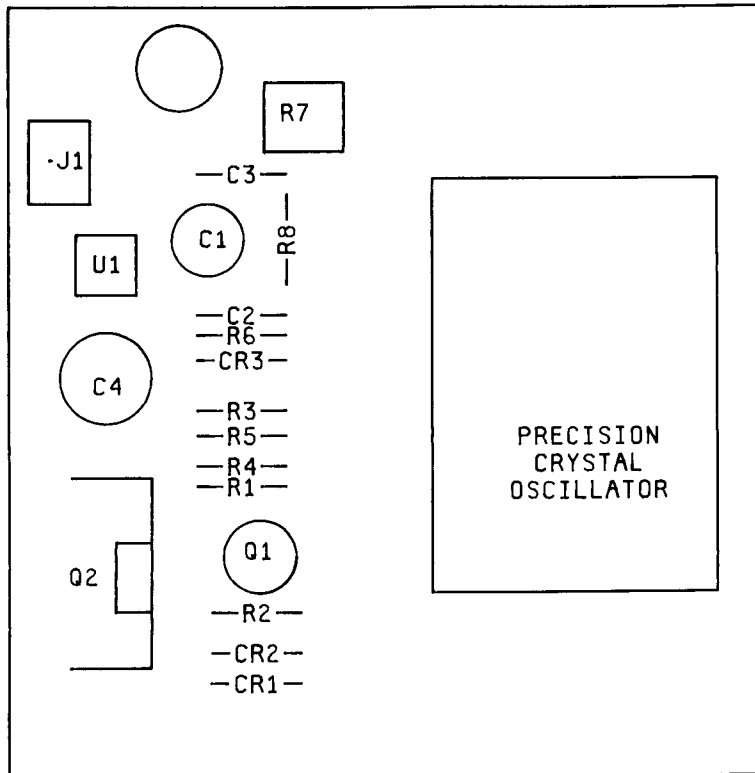
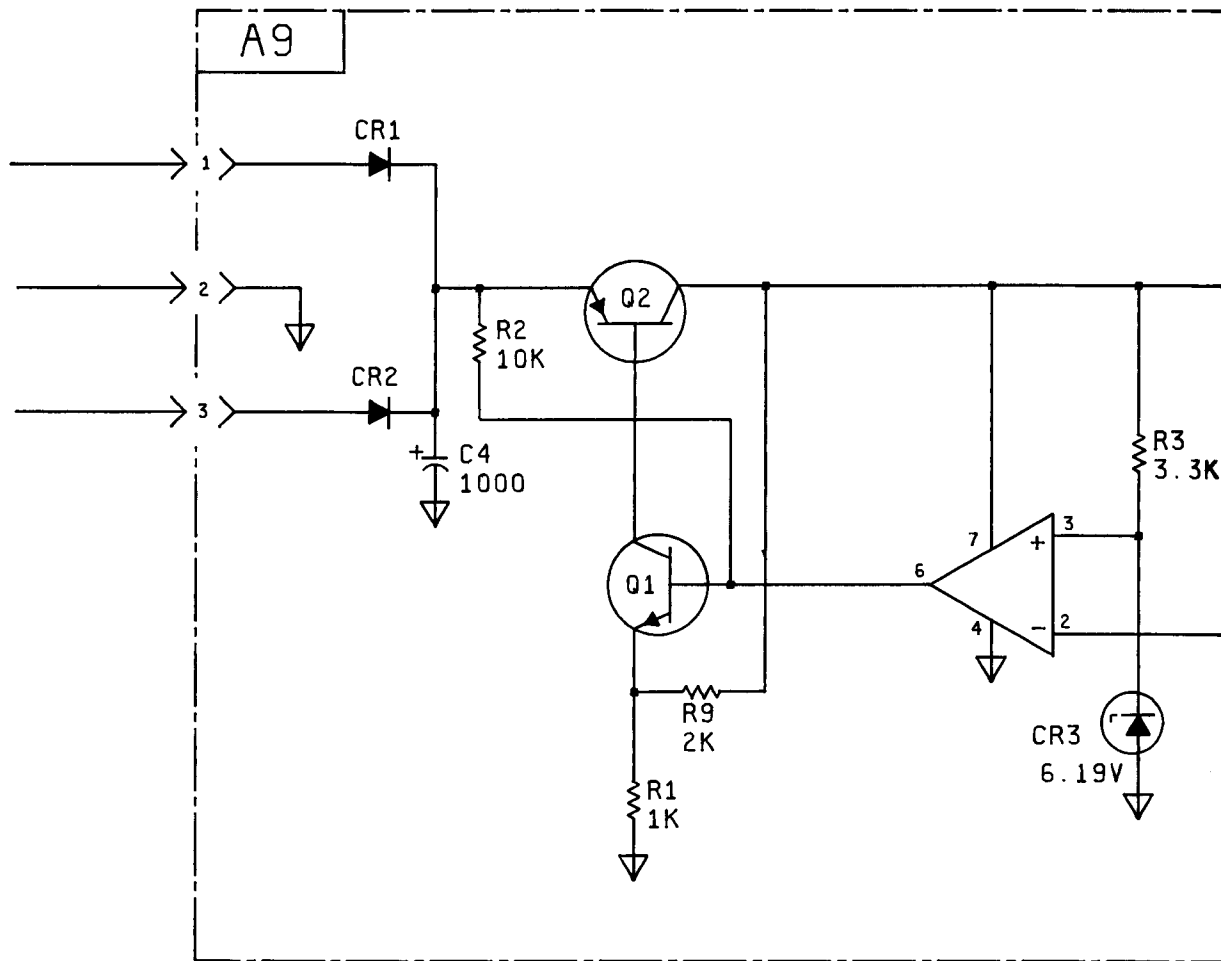


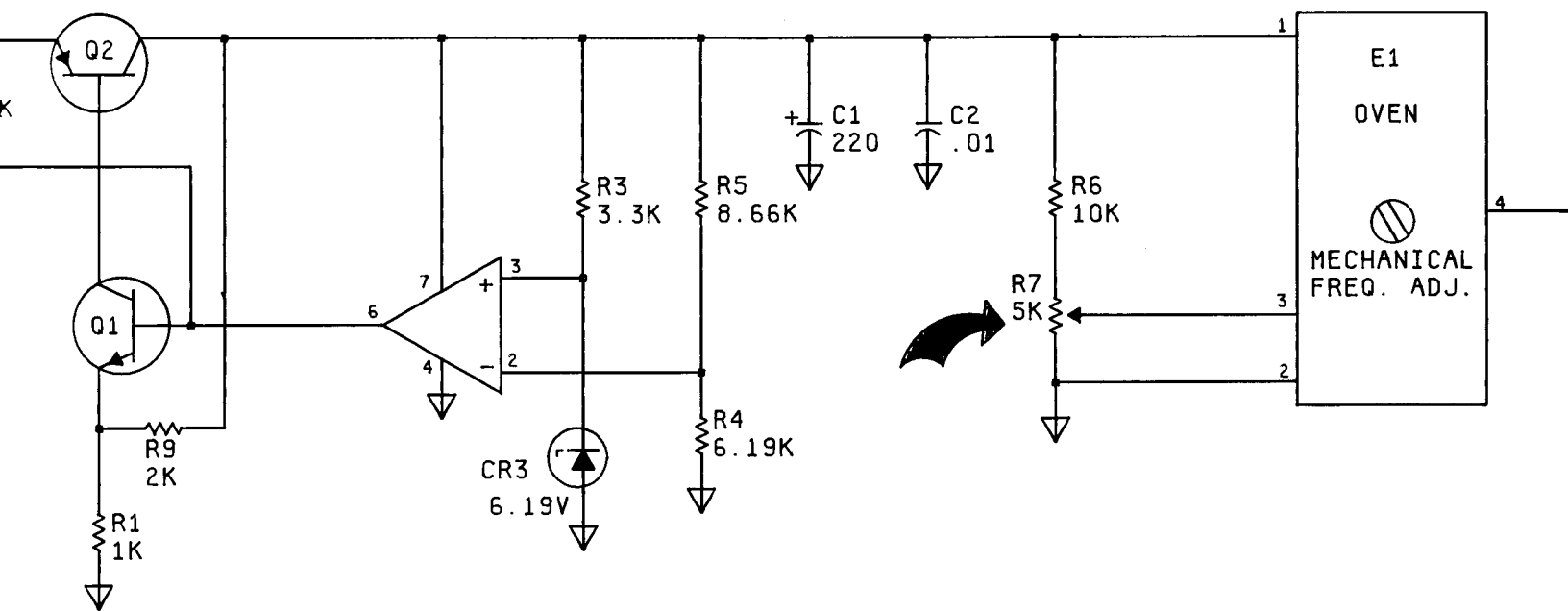
Figure 8-4. Microprocessor Control, A6.
8-9/8-10



3336-109C

A9
03325-66509





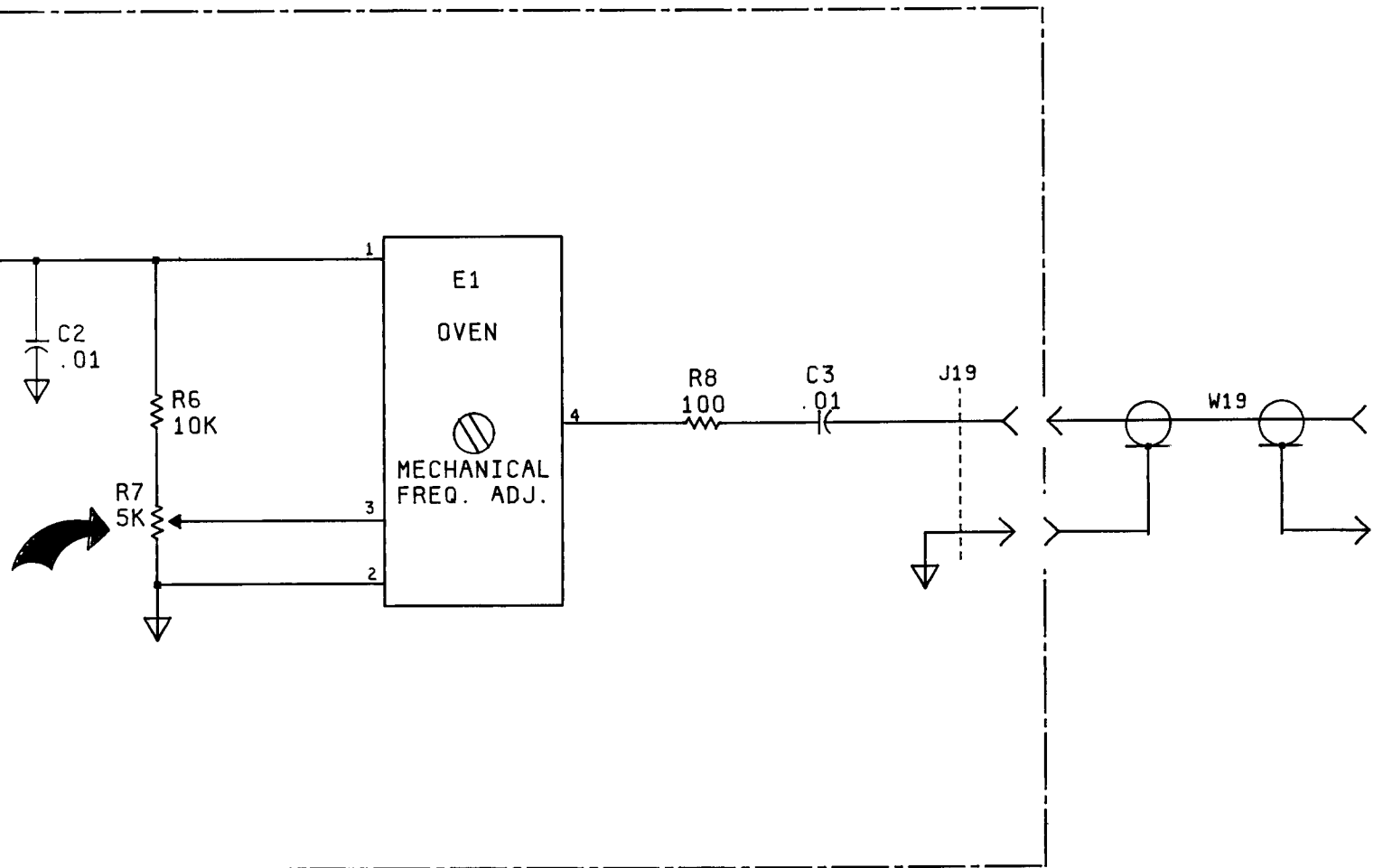
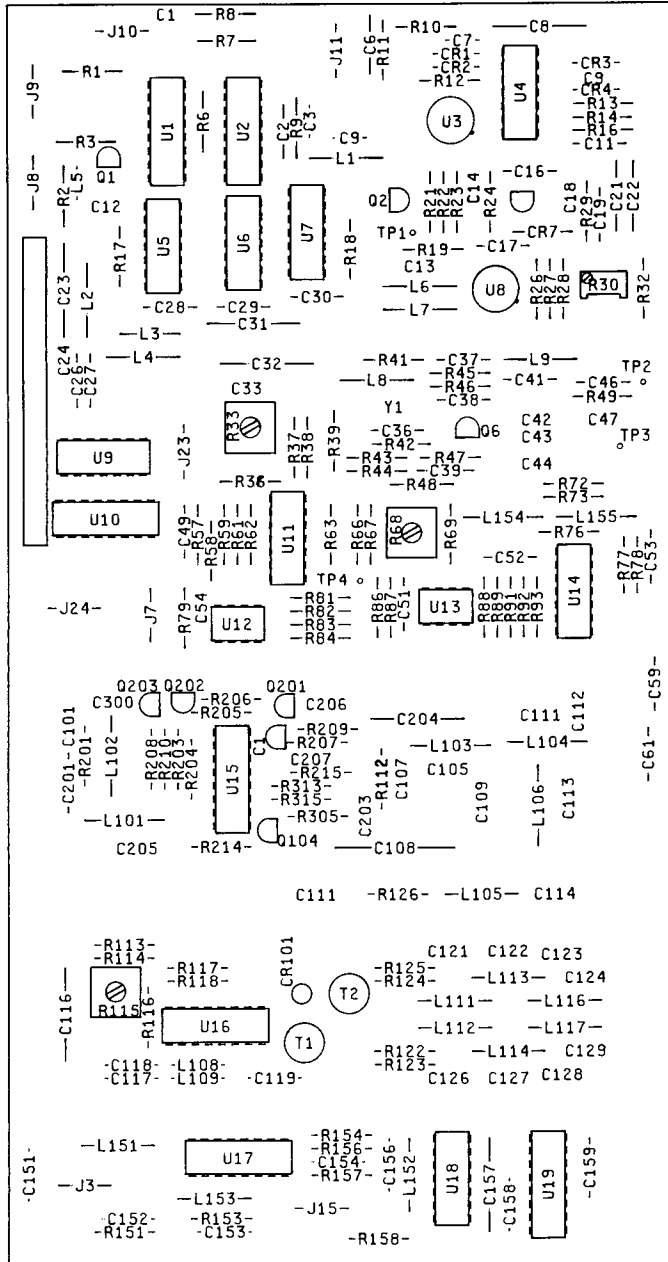


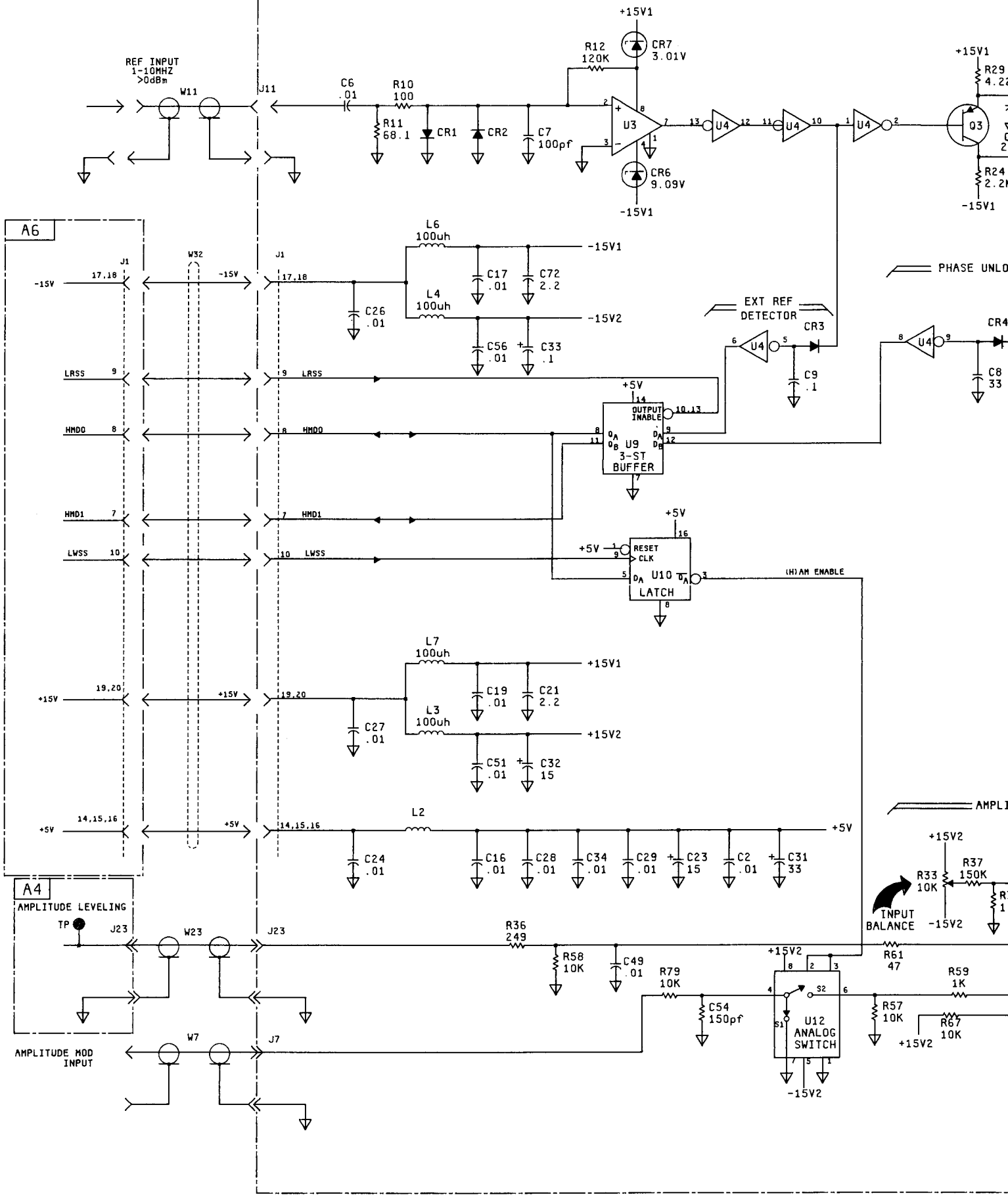
Figure 8-5. High Stability Reference Option 004, A9.
8-11/8-12

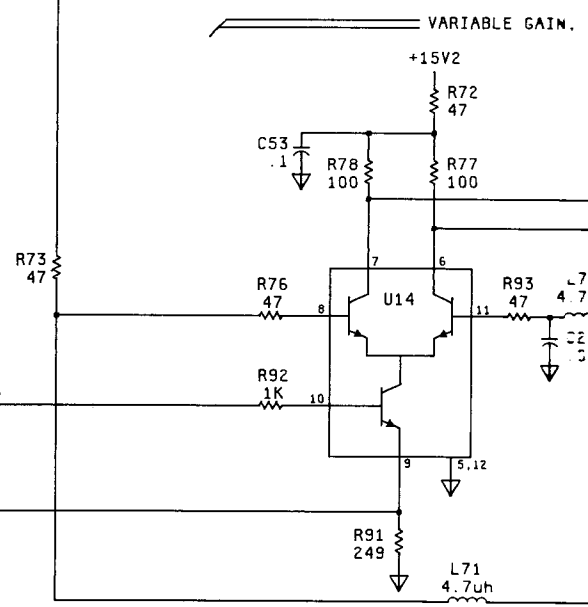
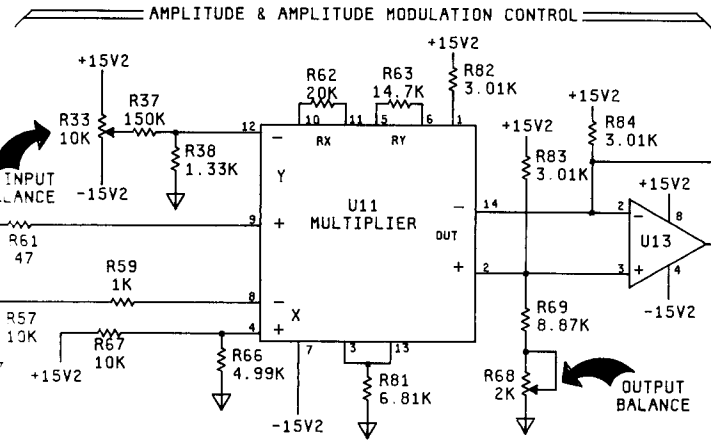
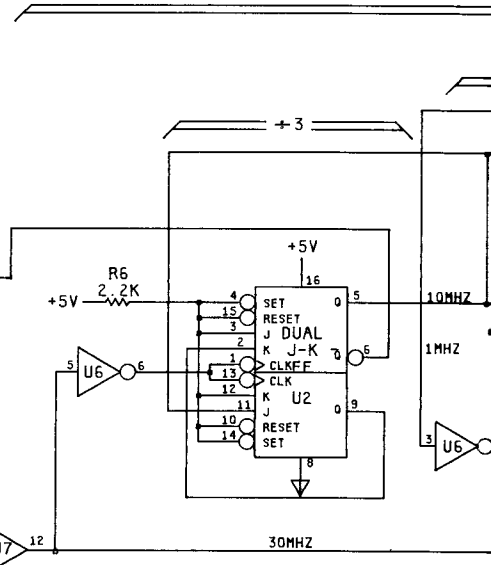
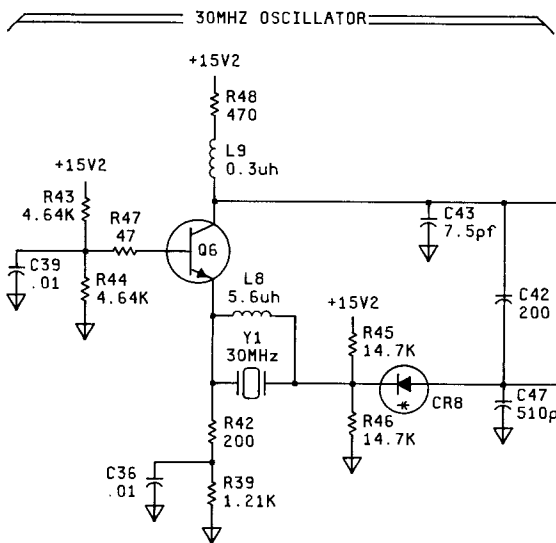
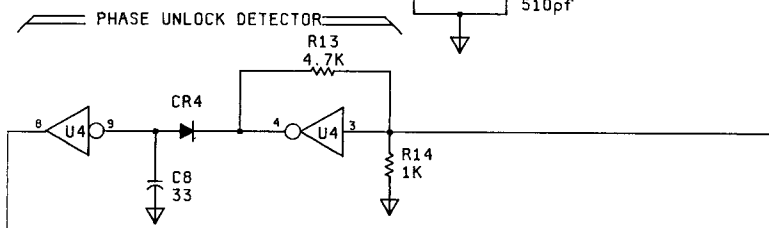
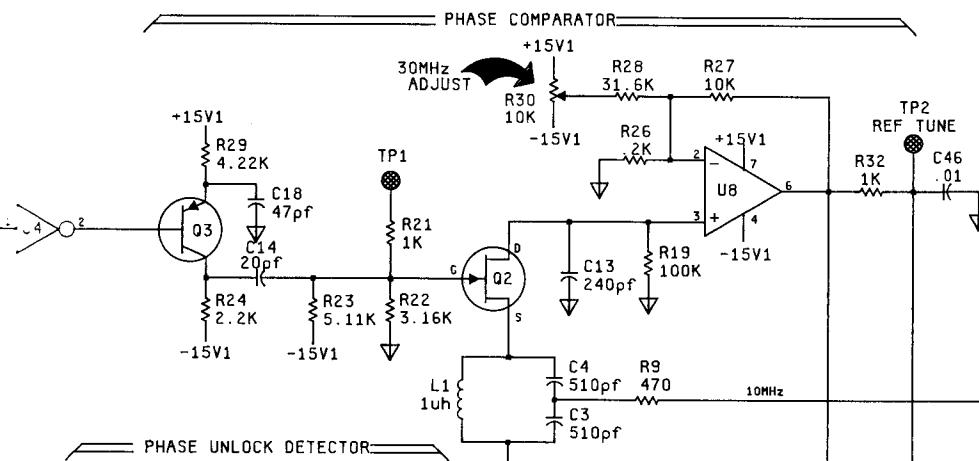


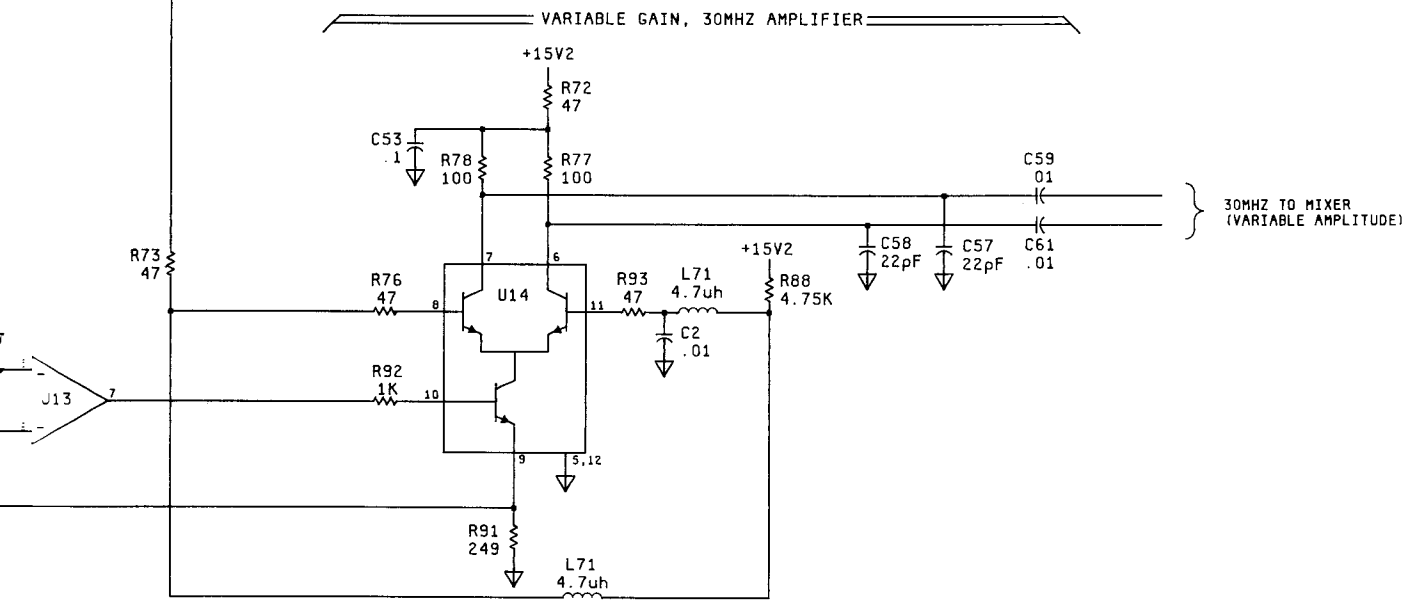
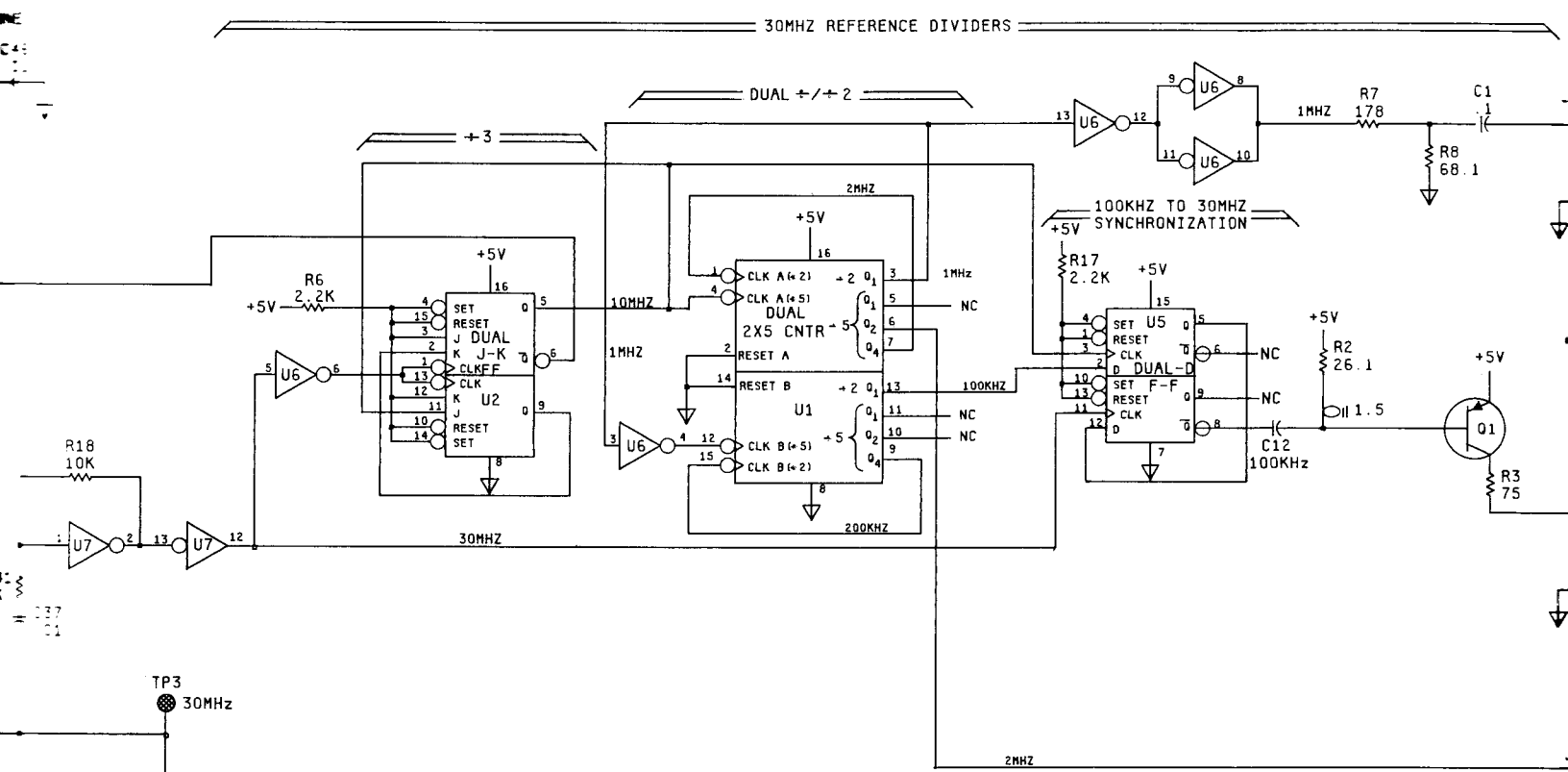
3336-C103

A3
03336-66503

A3 SIGNAL SOURCE/AMPLITUDE CONTROL
03336-66503







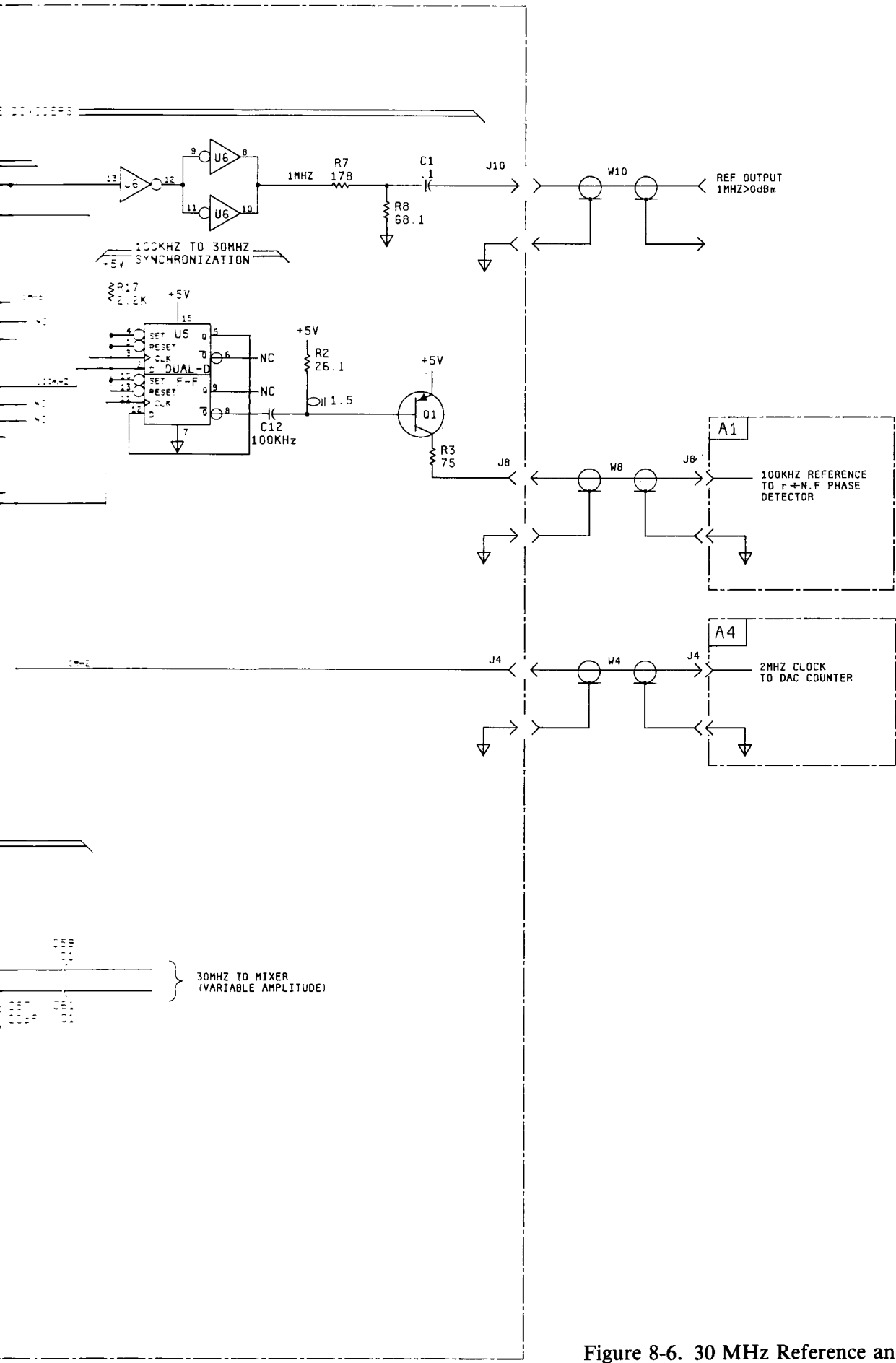
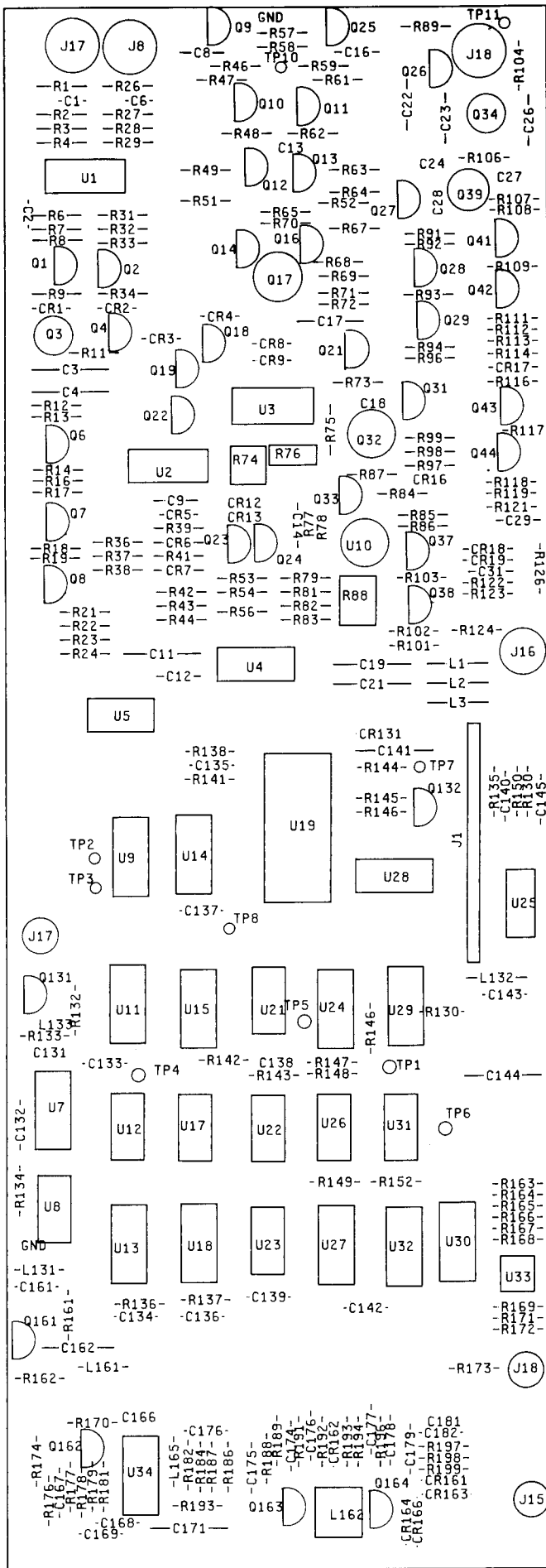
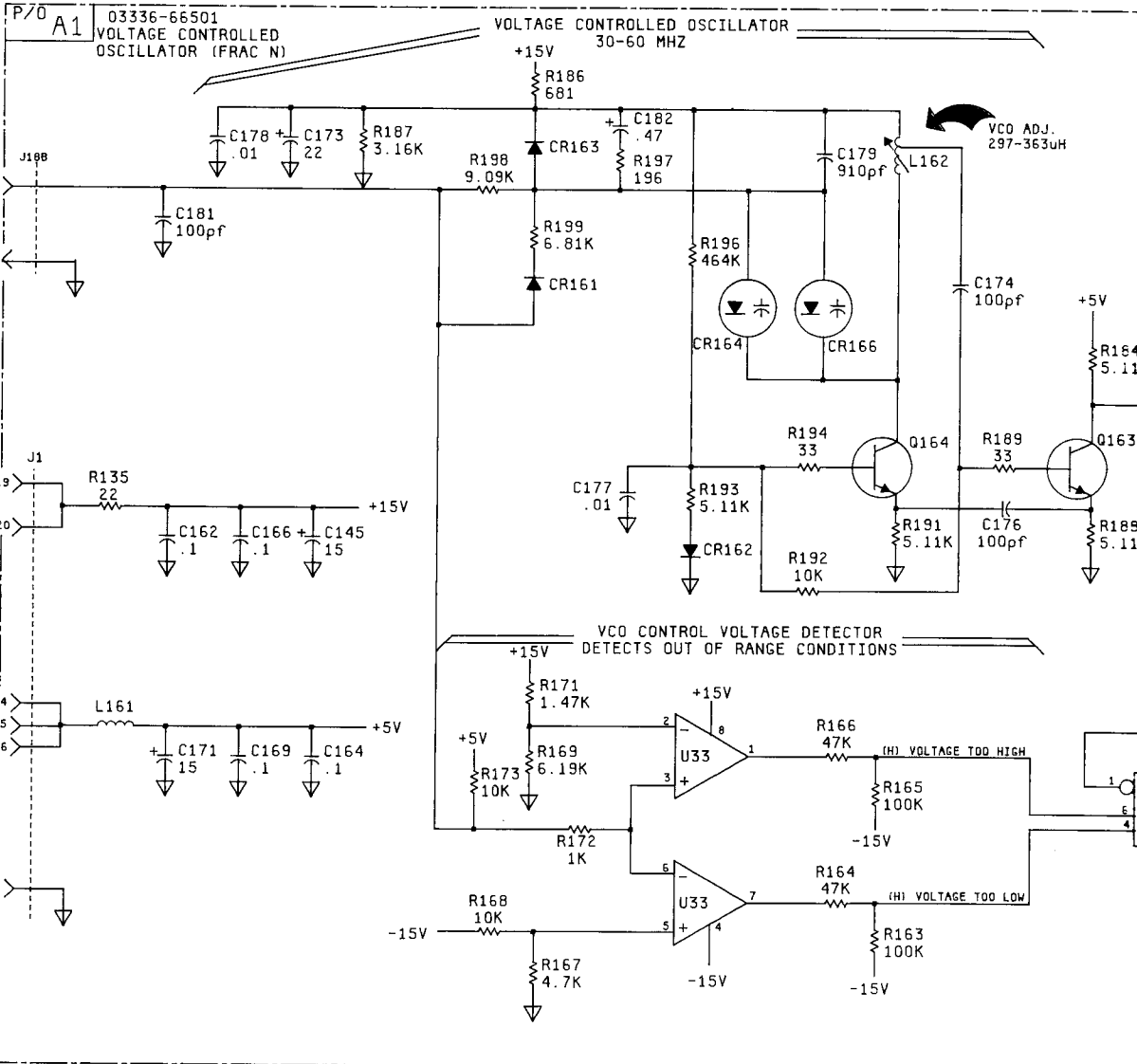
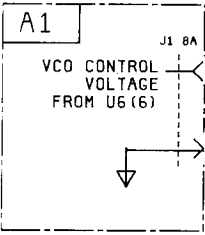


Figure 8-6. 30 MHz Reference and Dividers, A3.
8-13/8-14

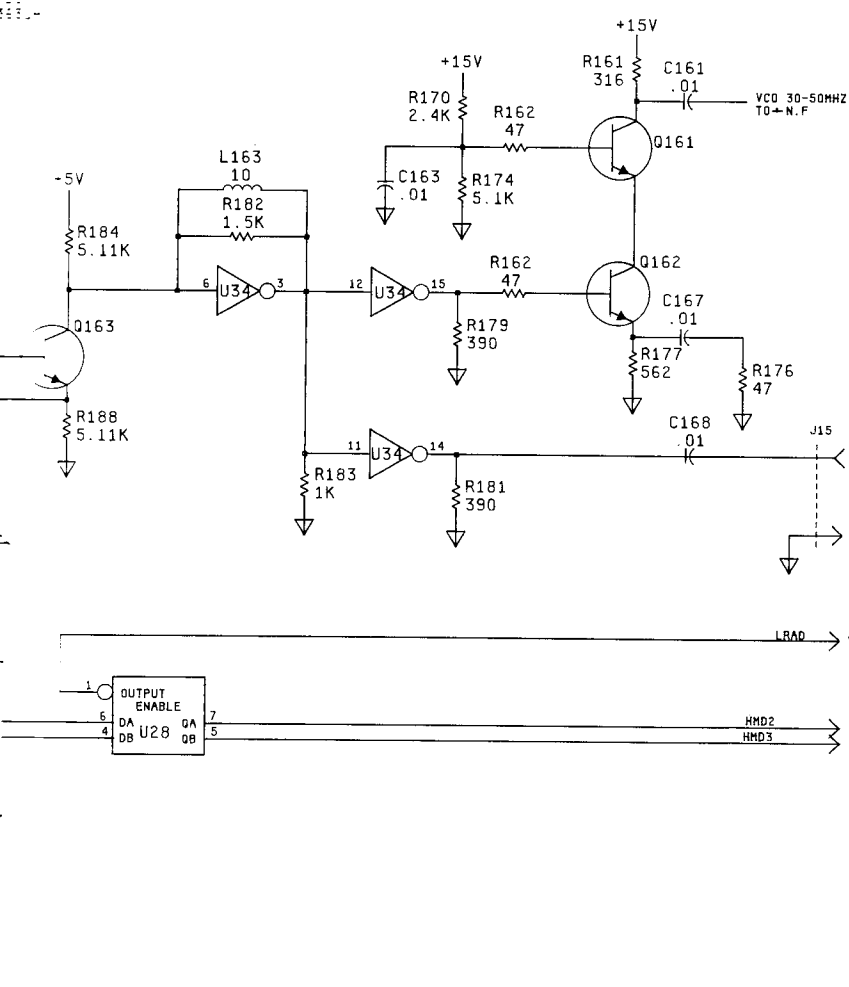


3336-101C

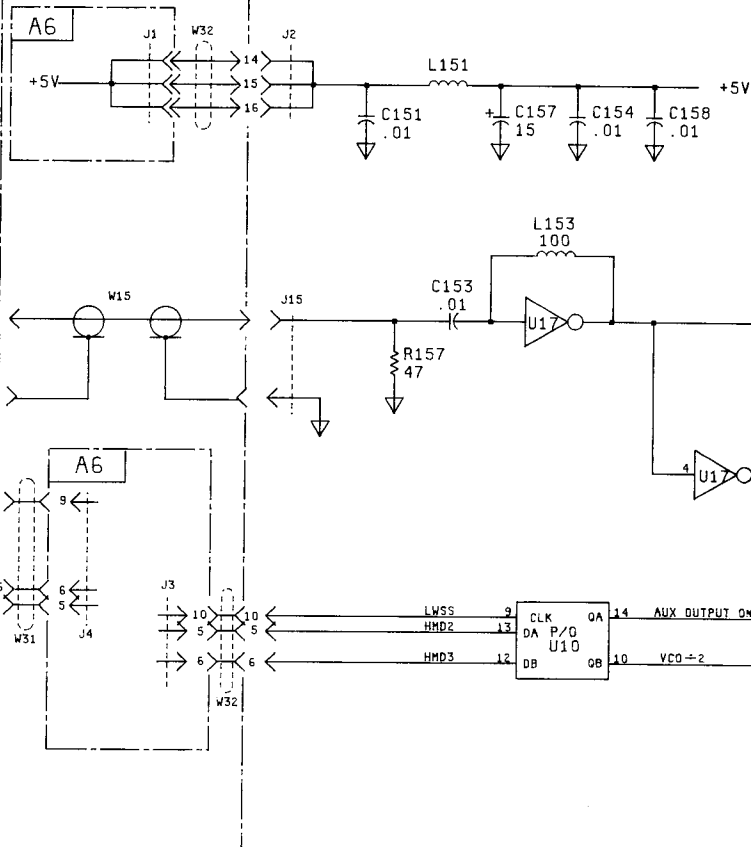
A1
03325-66501



VCO BUFFER AMPLIFIER



P/O A3 03336-66503 SIGNAL SOURCE ASSEMBLY



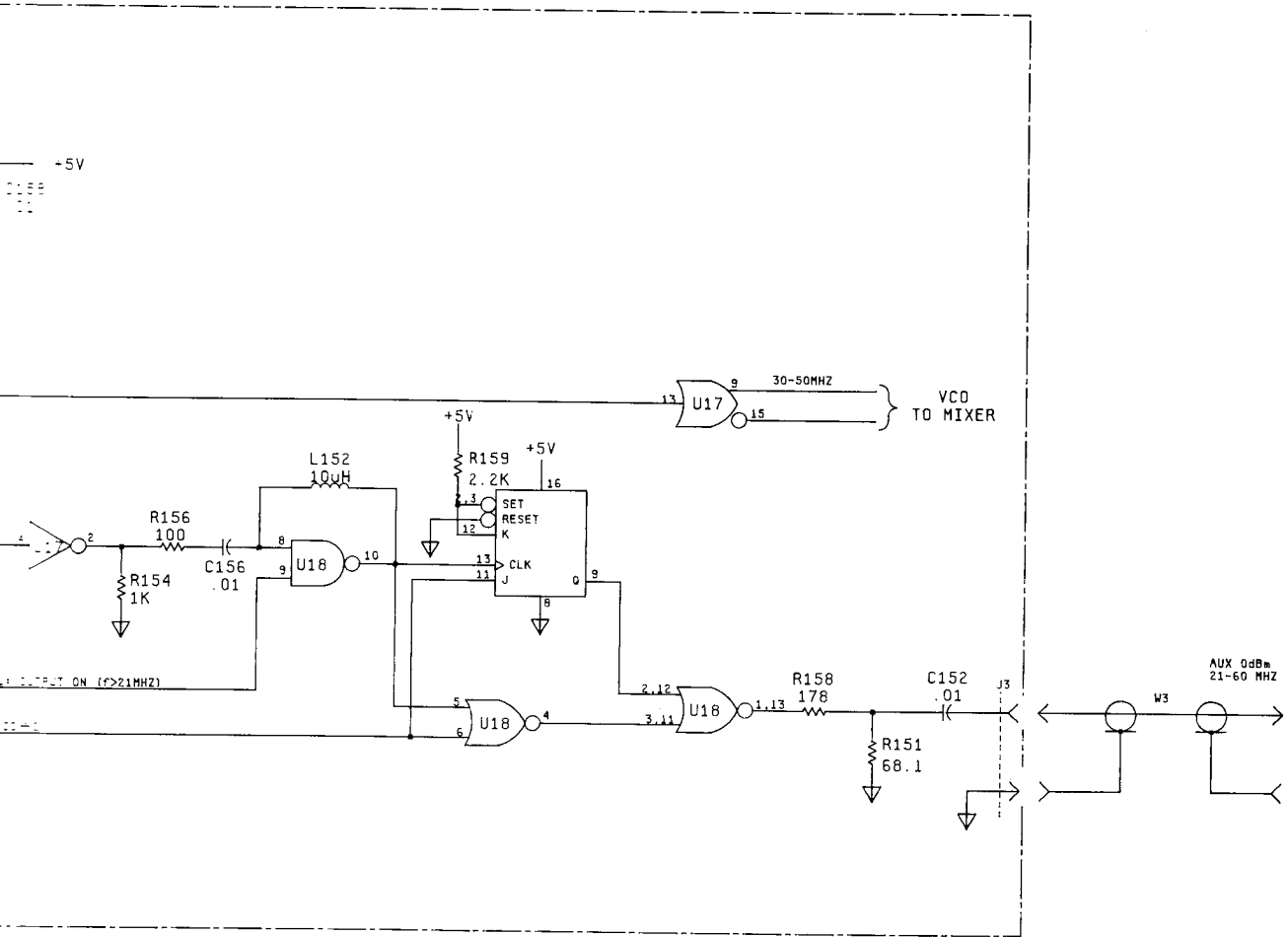
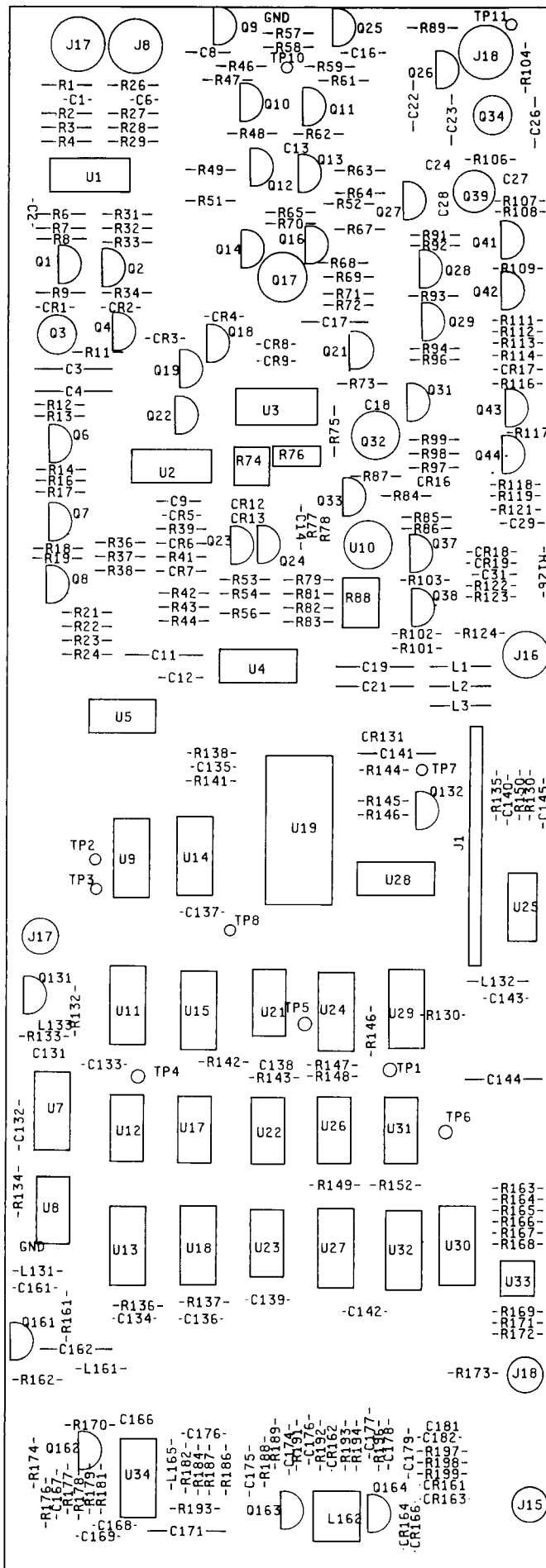
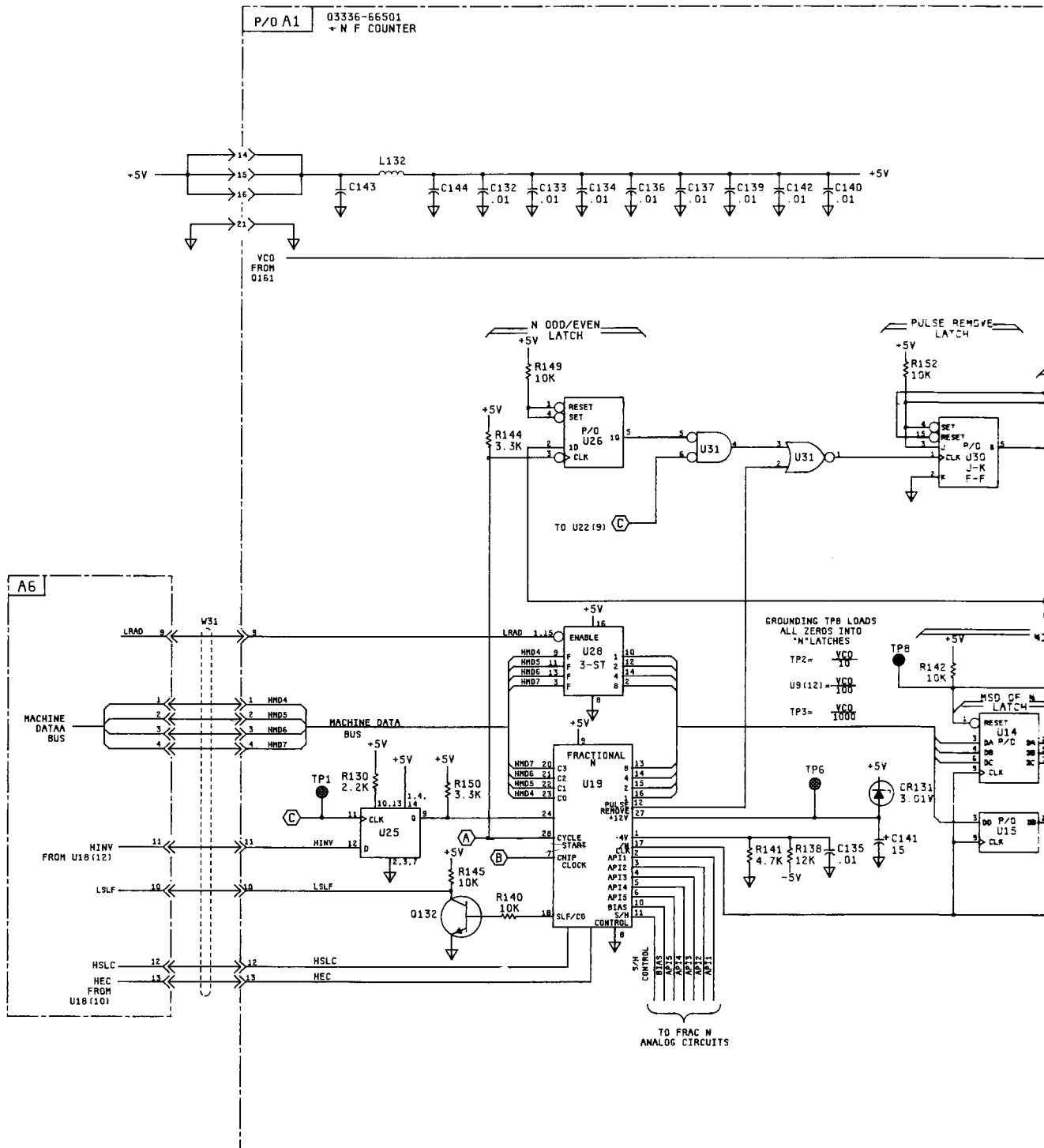


Figure 8-7. VCO and VCO Buffer, A1.
8-15/8-16



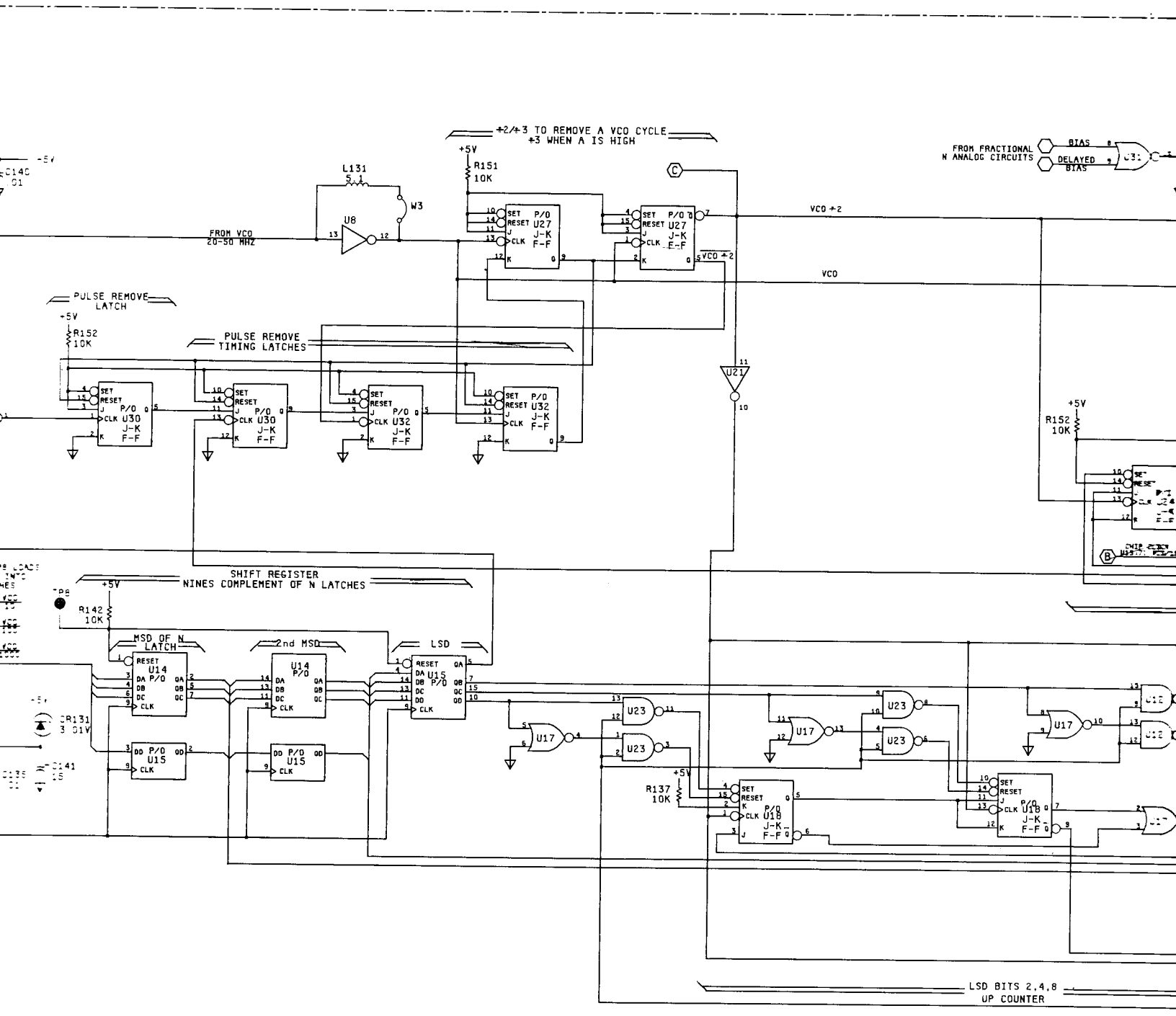
3336-101C

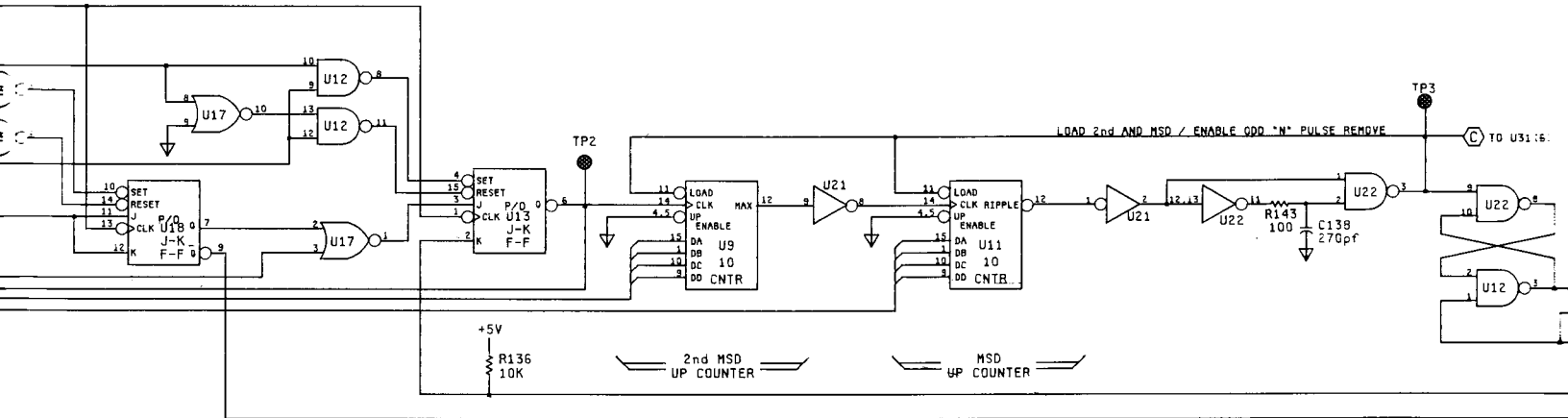
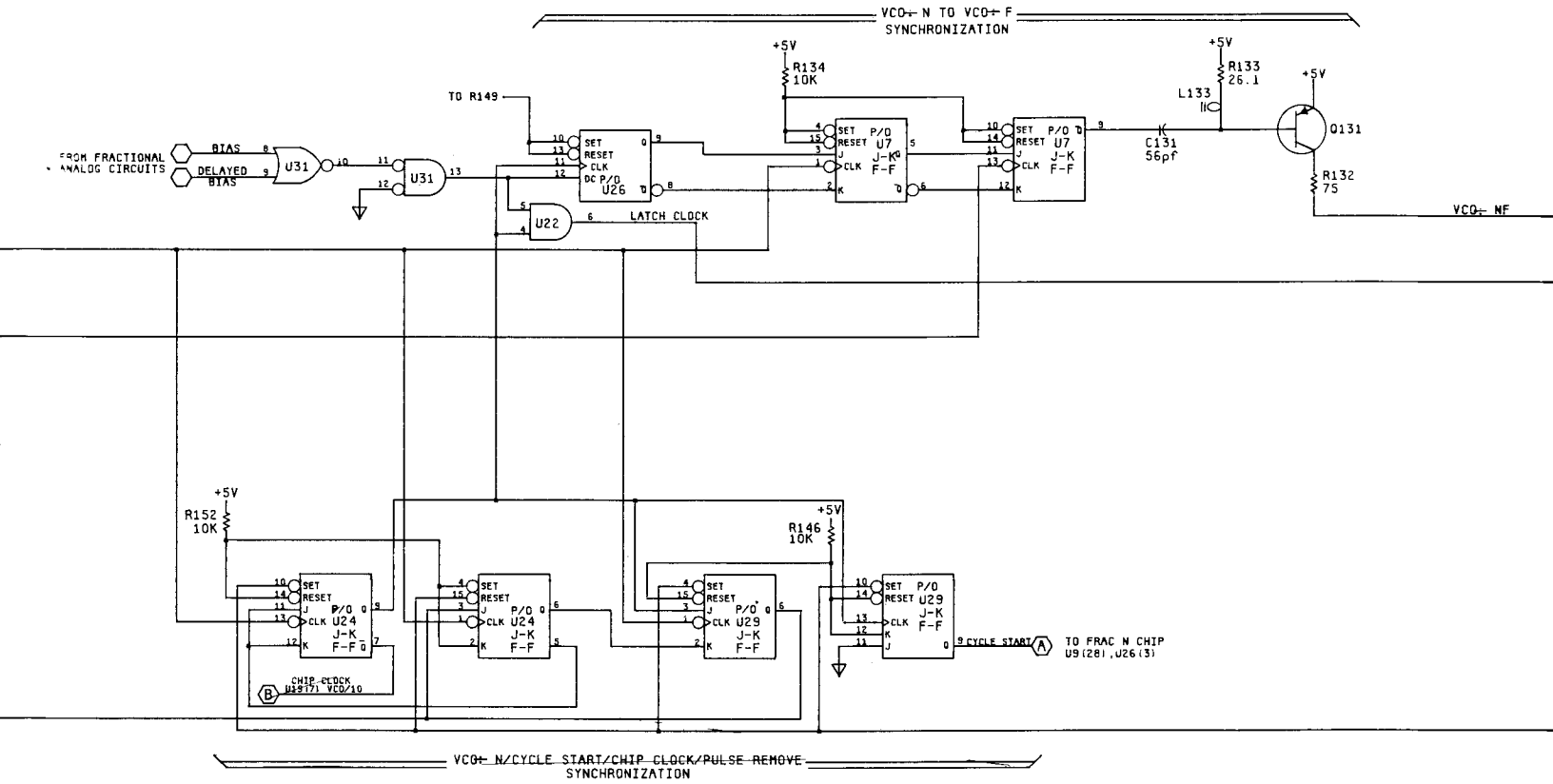
A1
03325-66501



P/O A1 03336-66501
N F COUNTER

A6





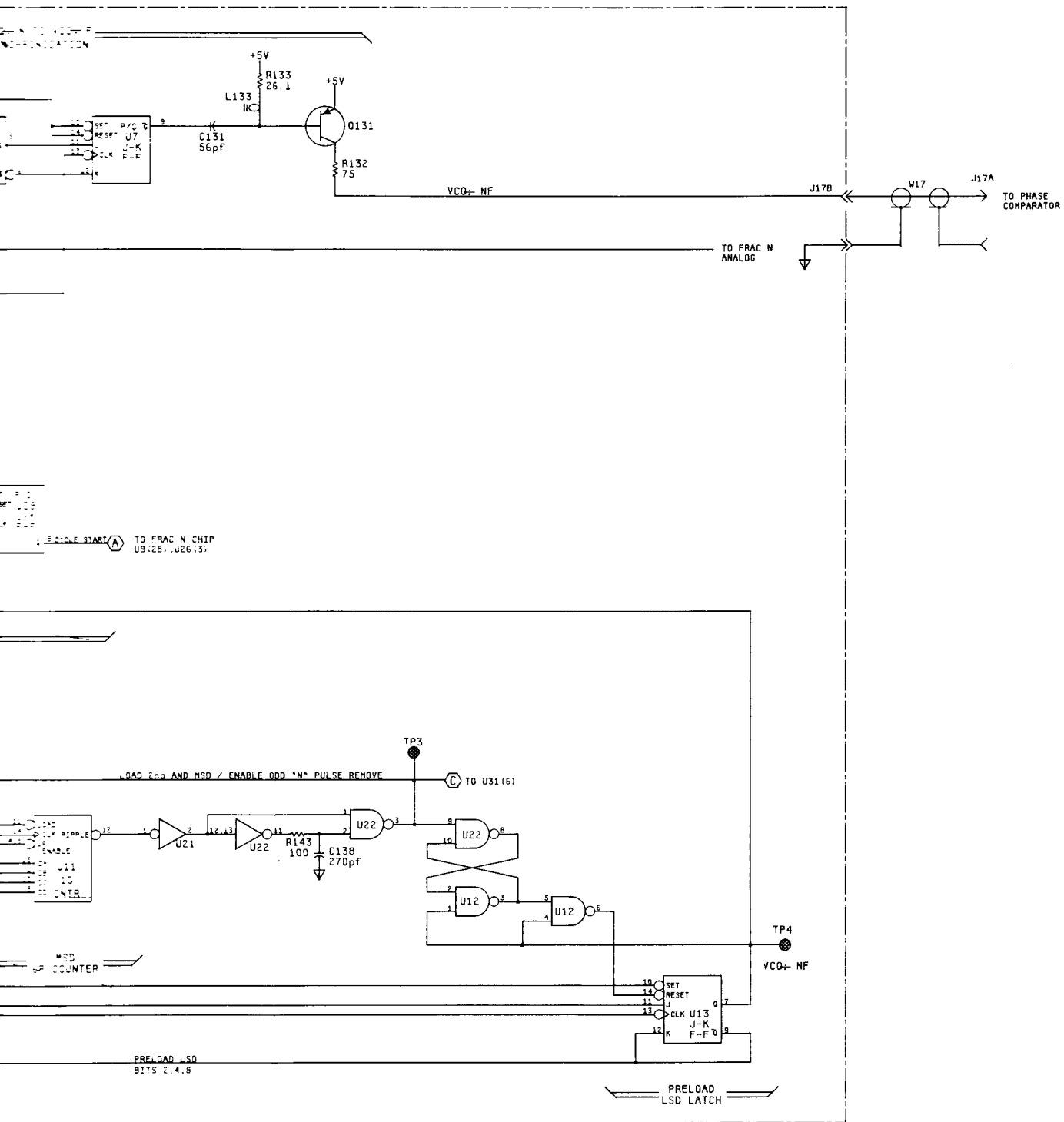
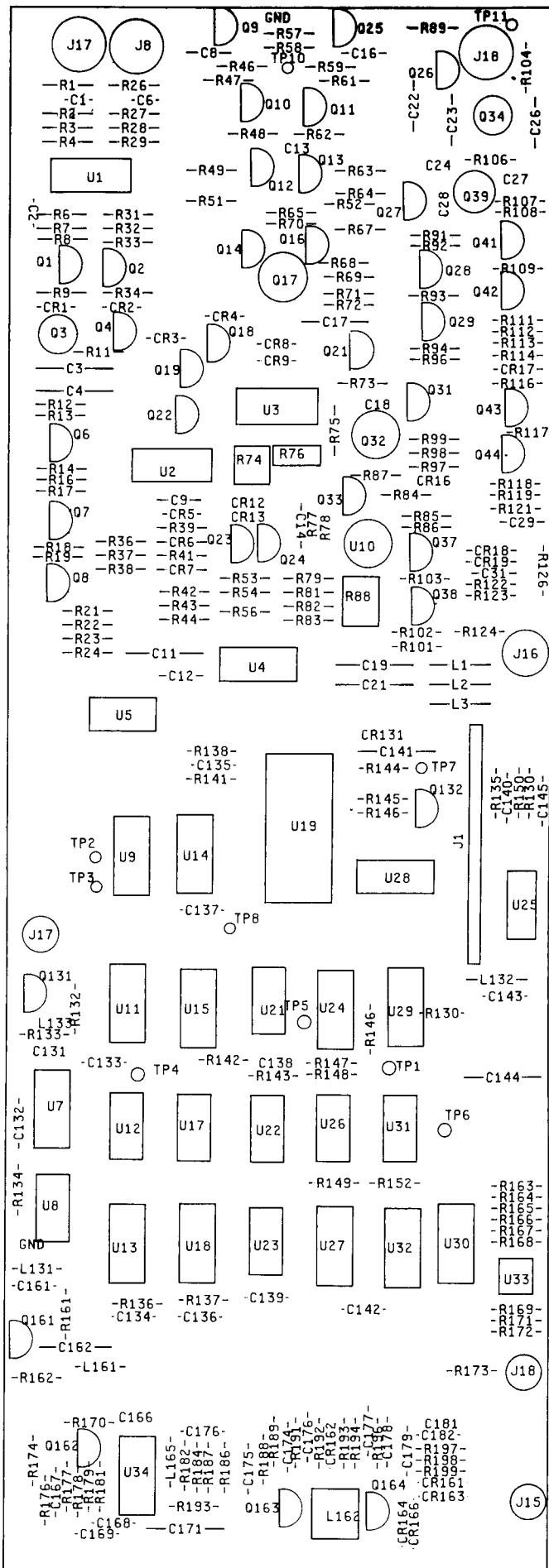
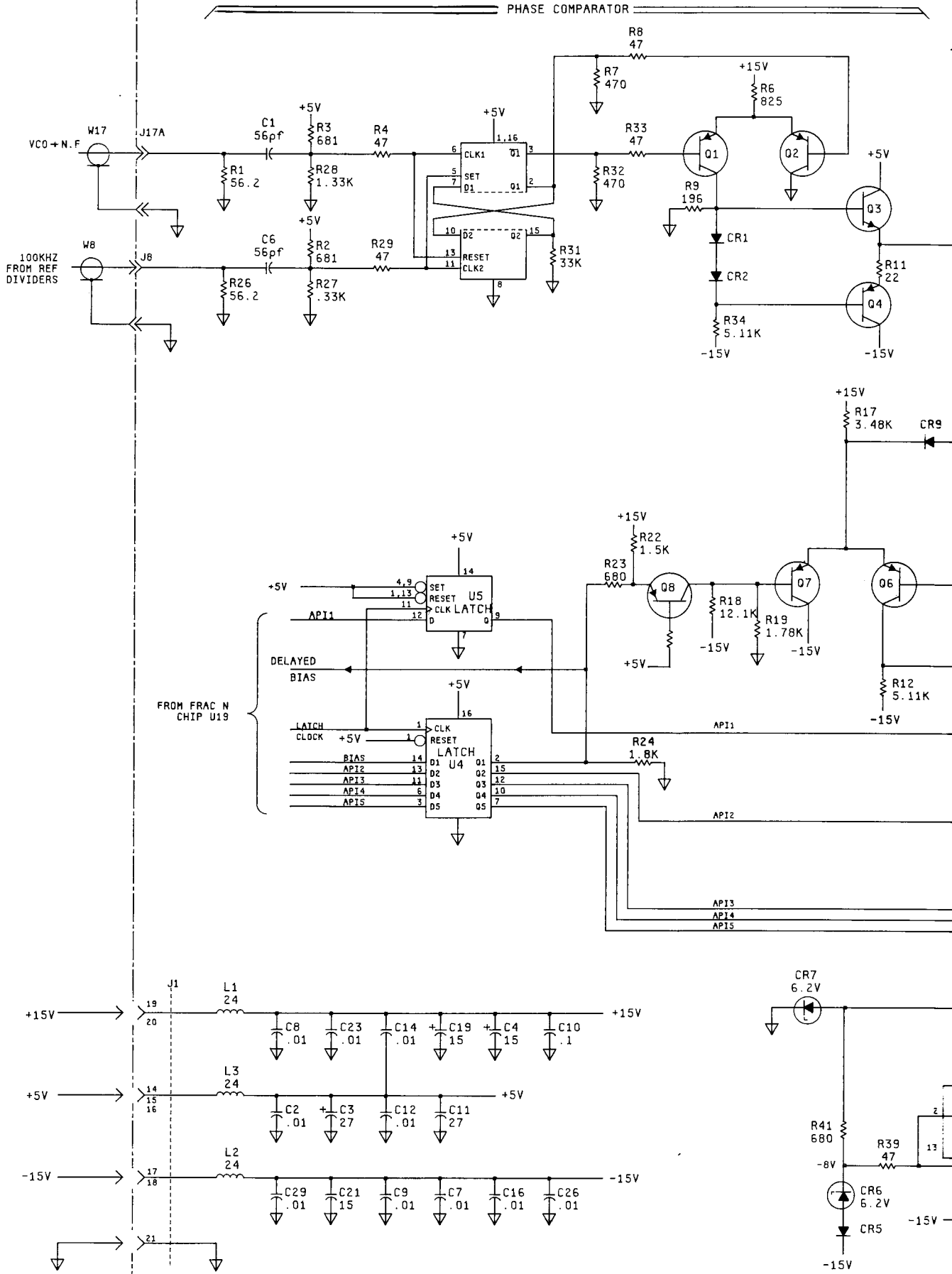


Figure 8-8. ÷ N.F Counter, A1.
8-17/8-18

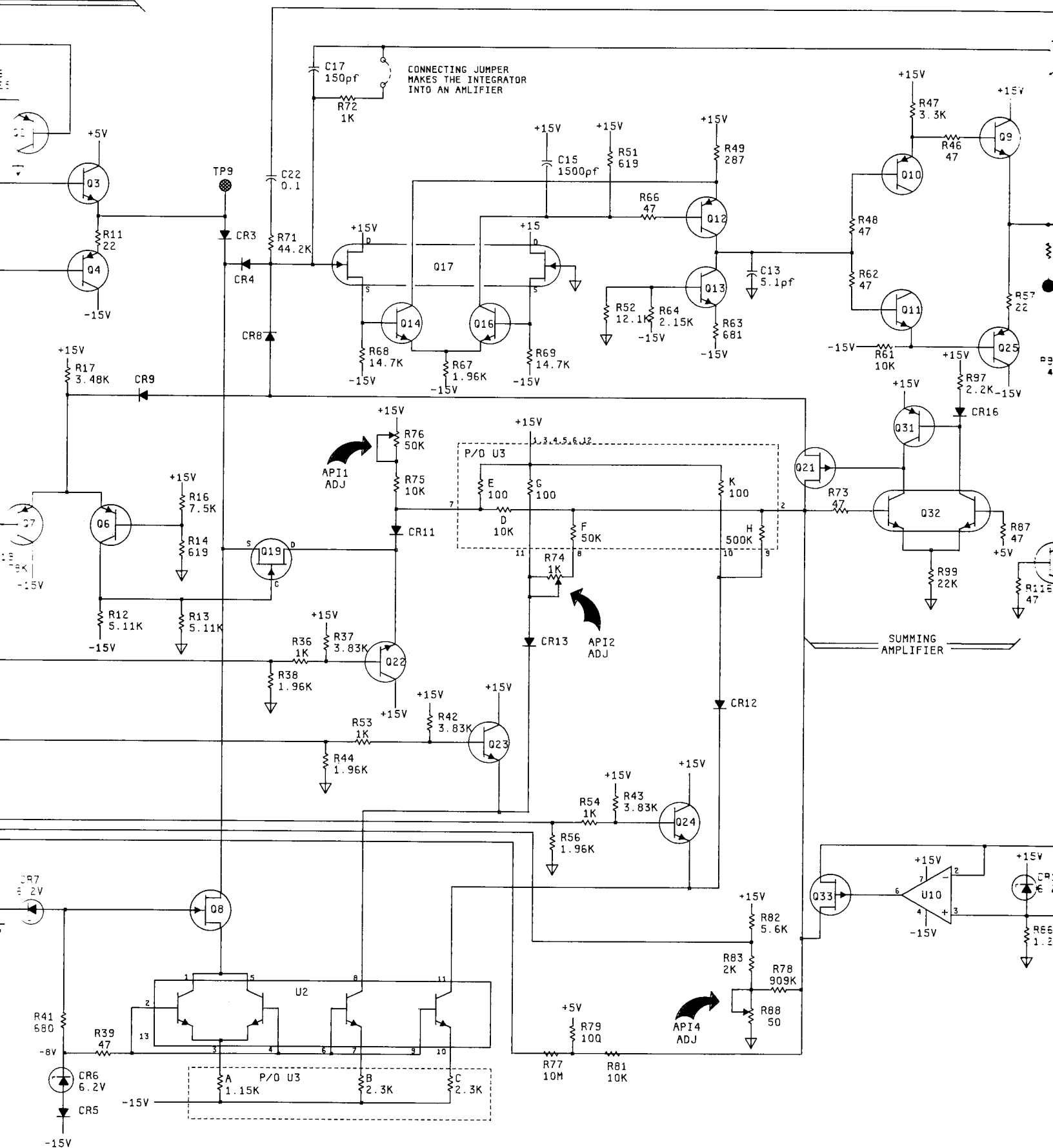


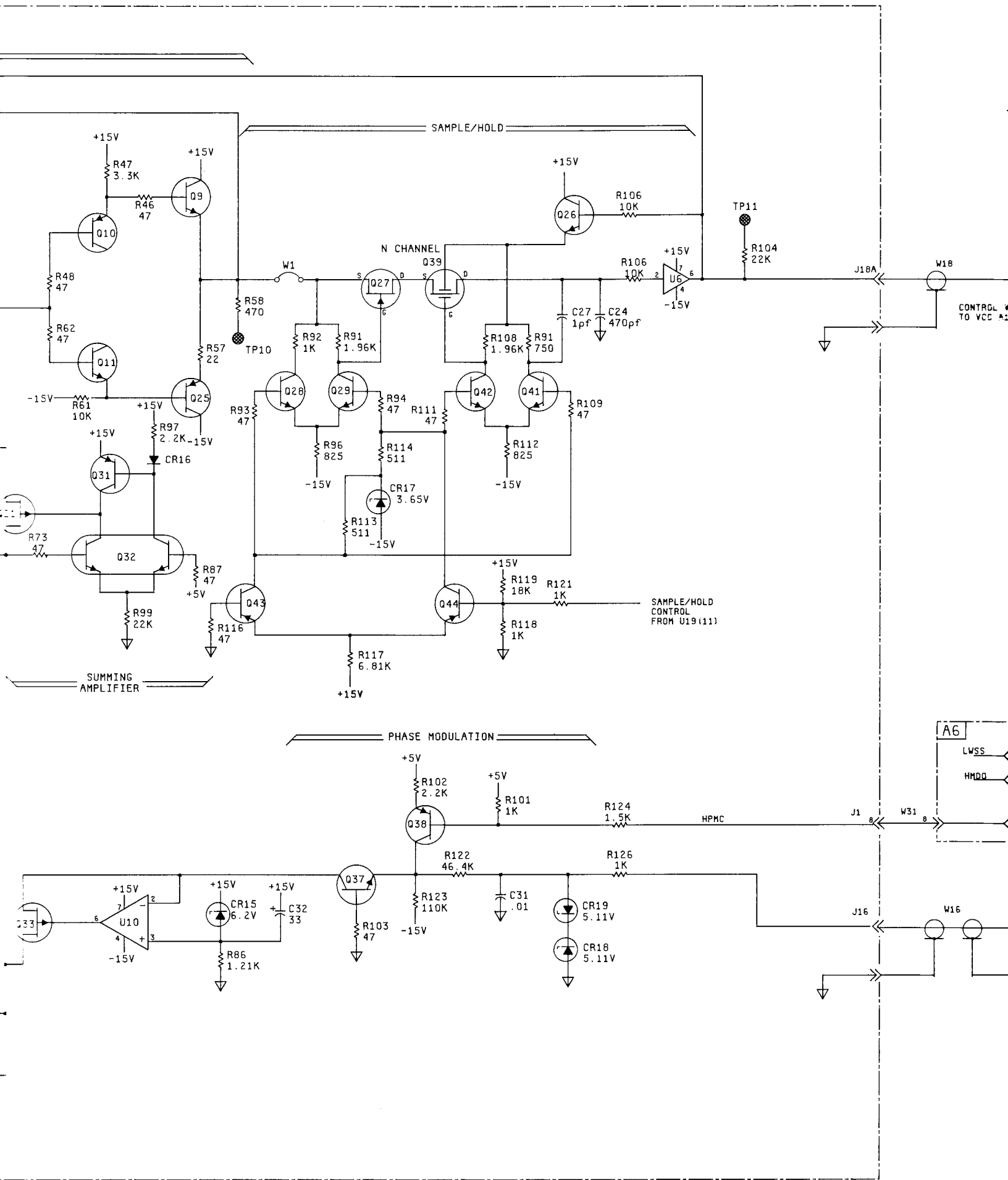
3336-101C

P/O A1 03336-66501
 FRACTIONAL N ANALOG



INTEGRATOR





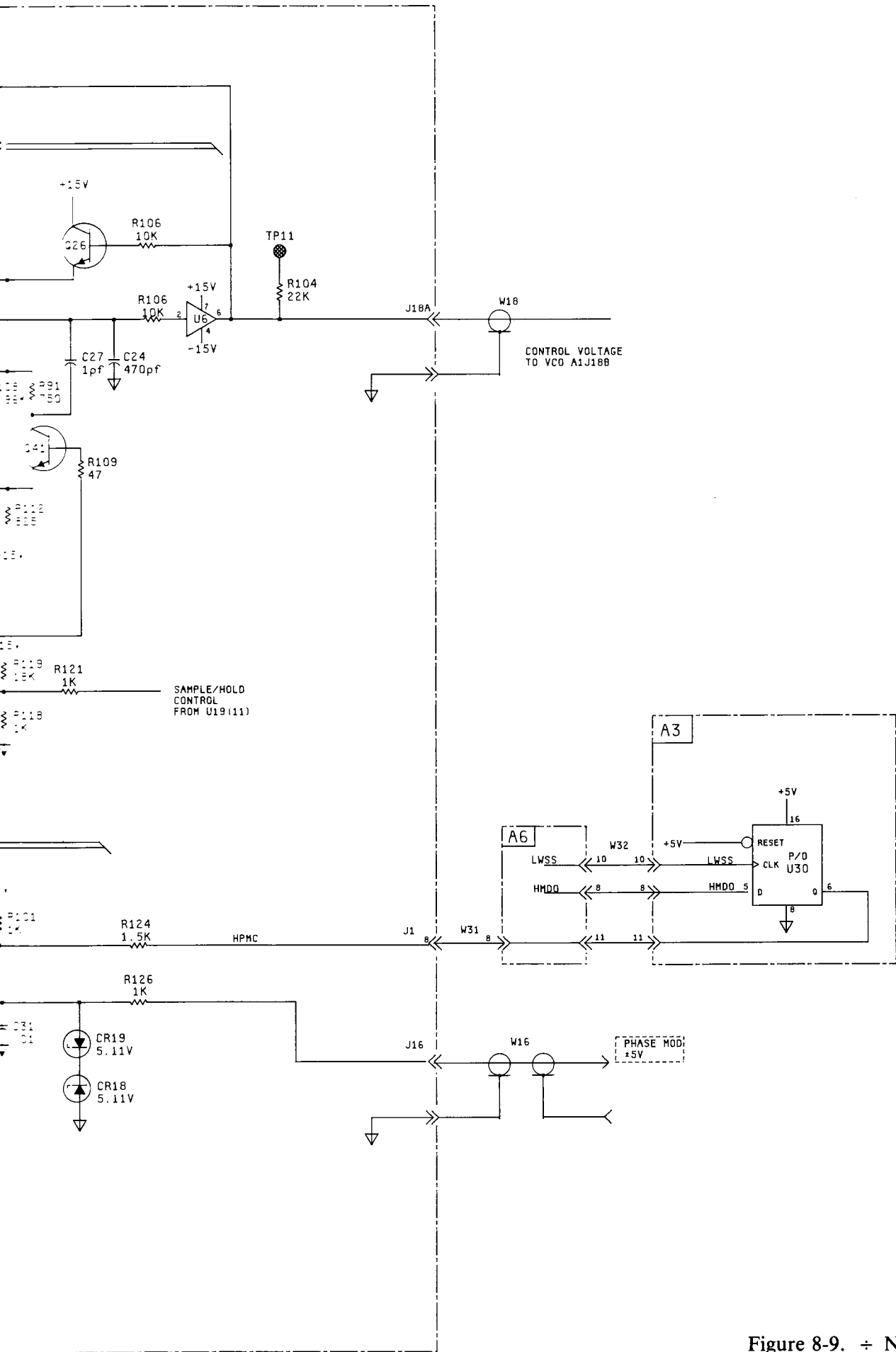
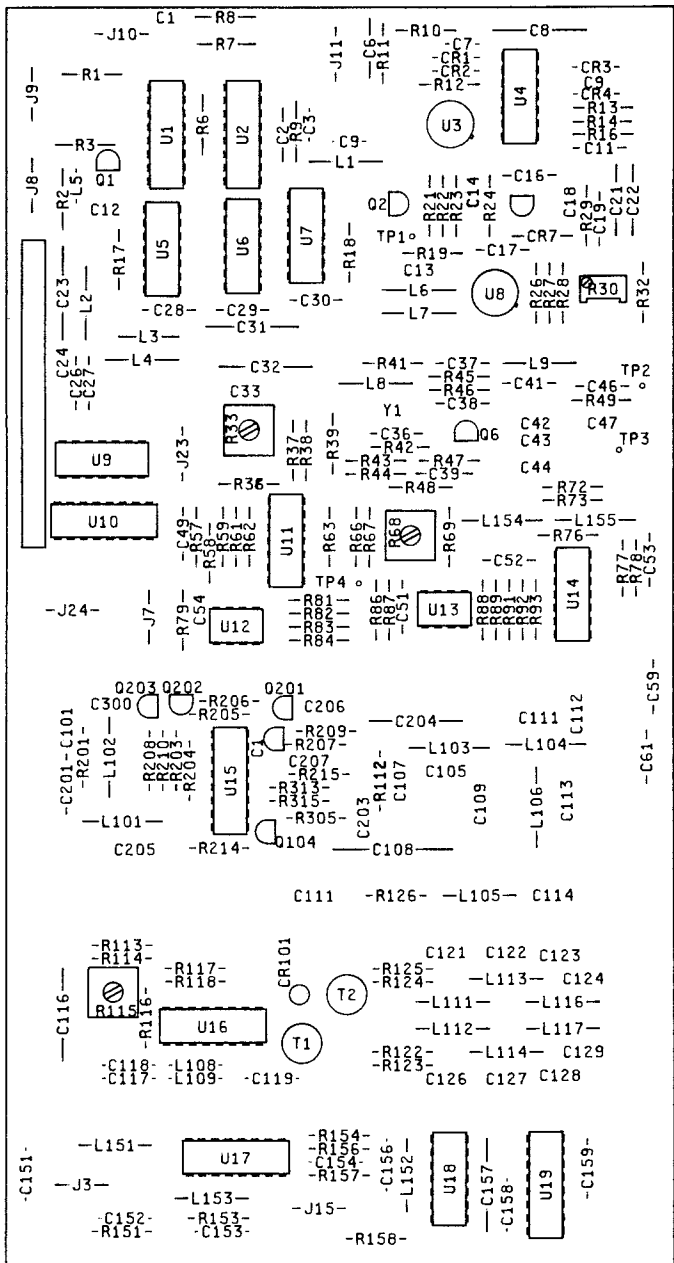


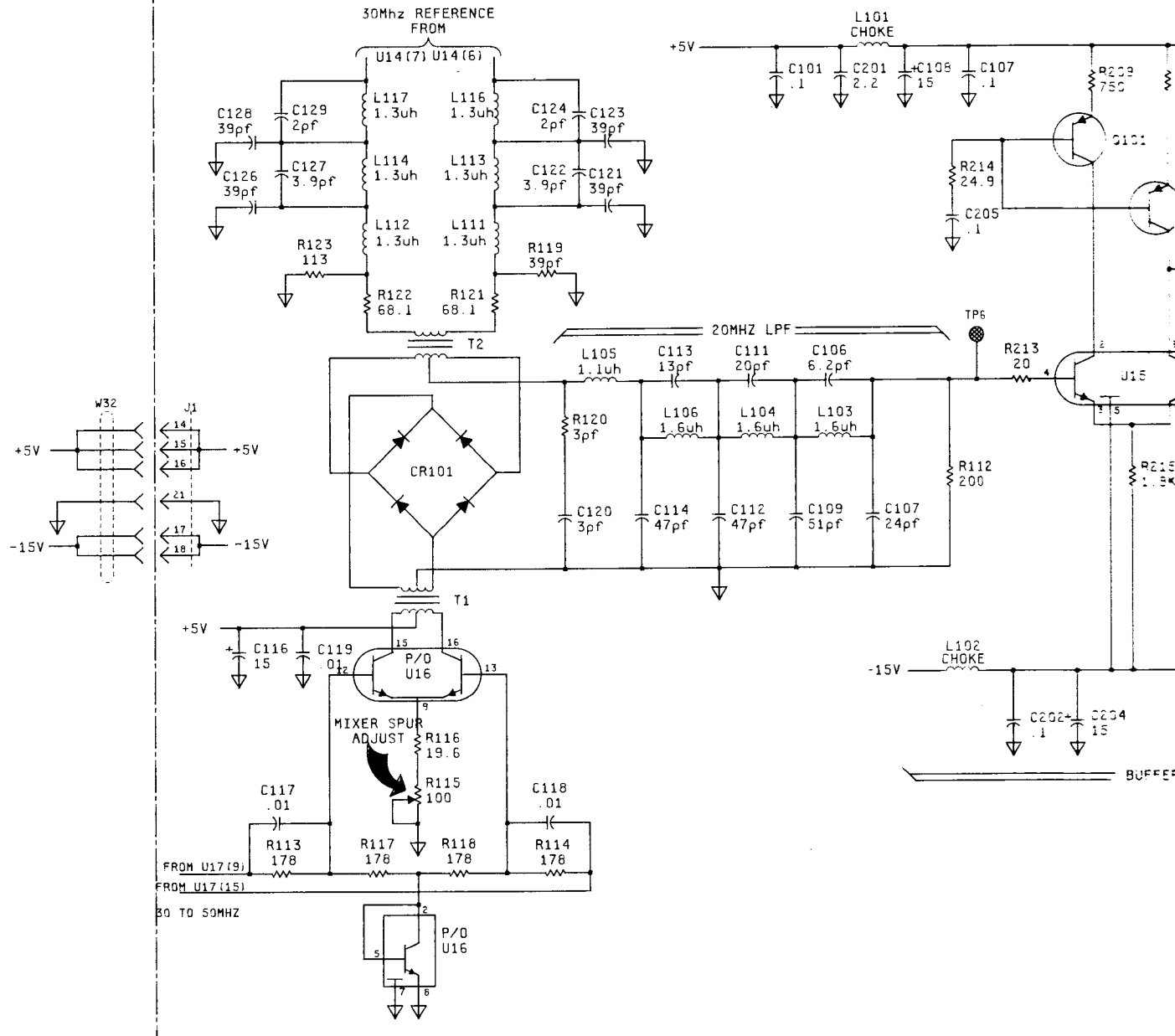
Figure 8-9. ÷ N.F Analog, A1.
8-19/8-20



3336-C103

A3
03336-66503

P/O A3 03336-66503
MIXER



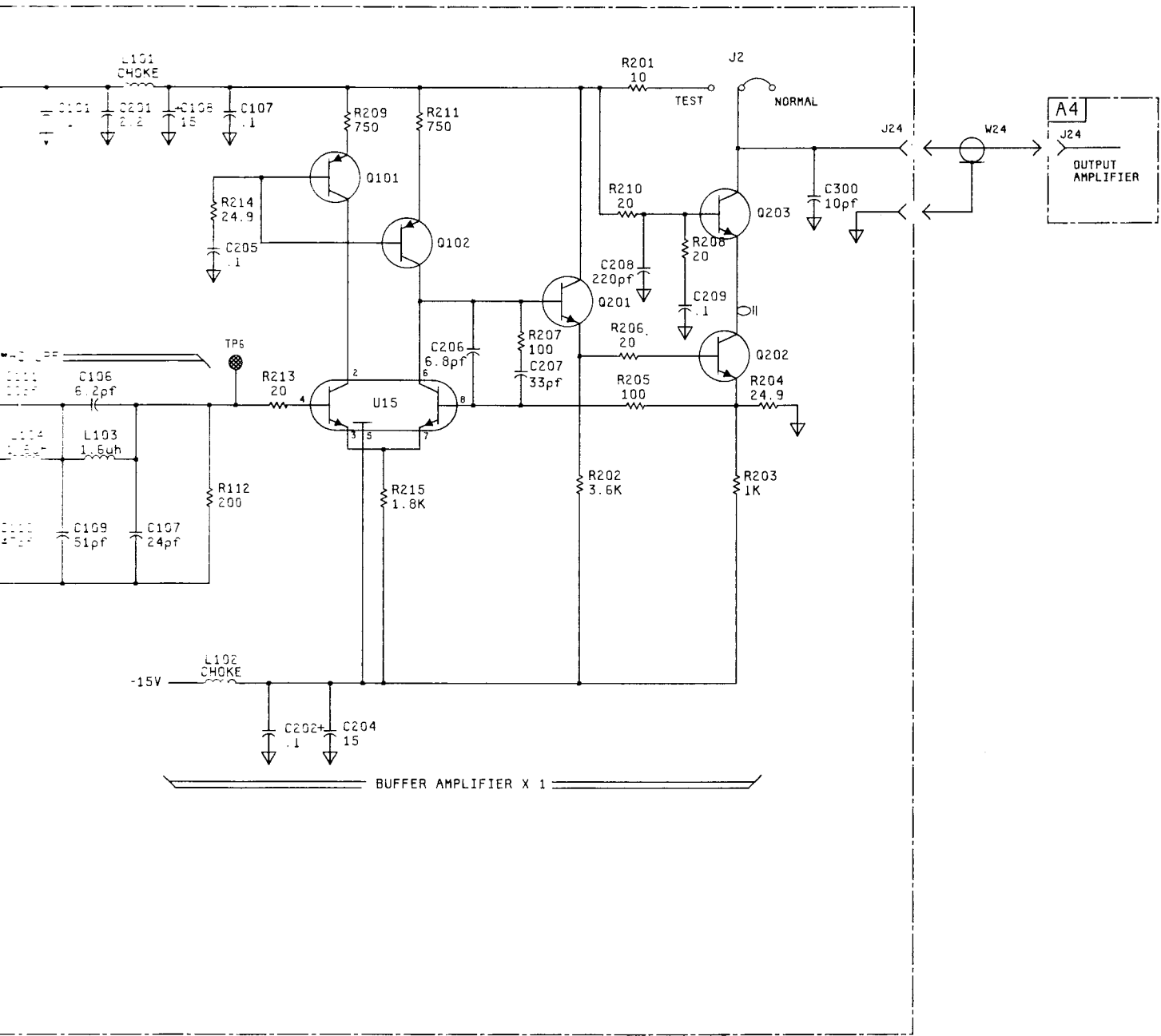
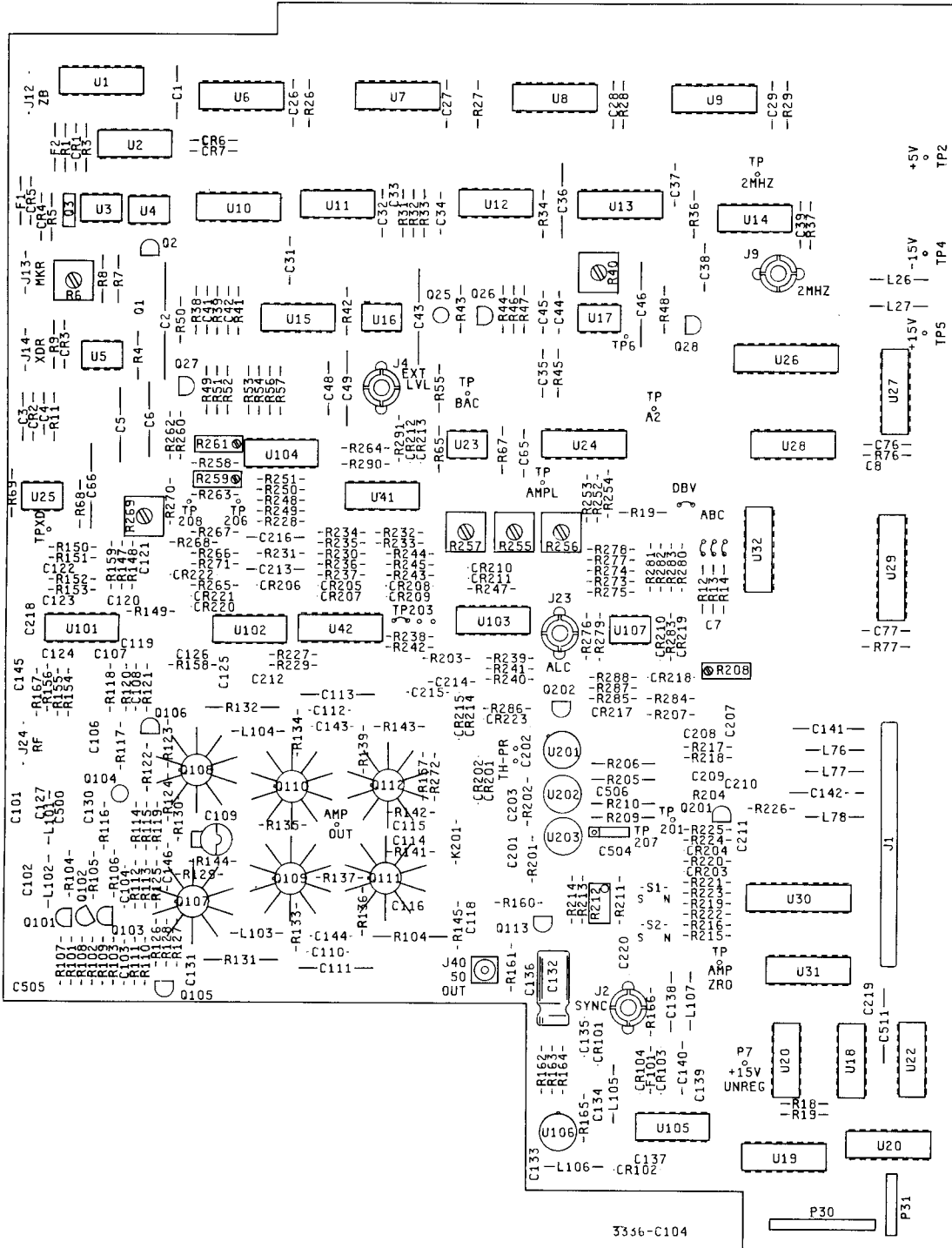


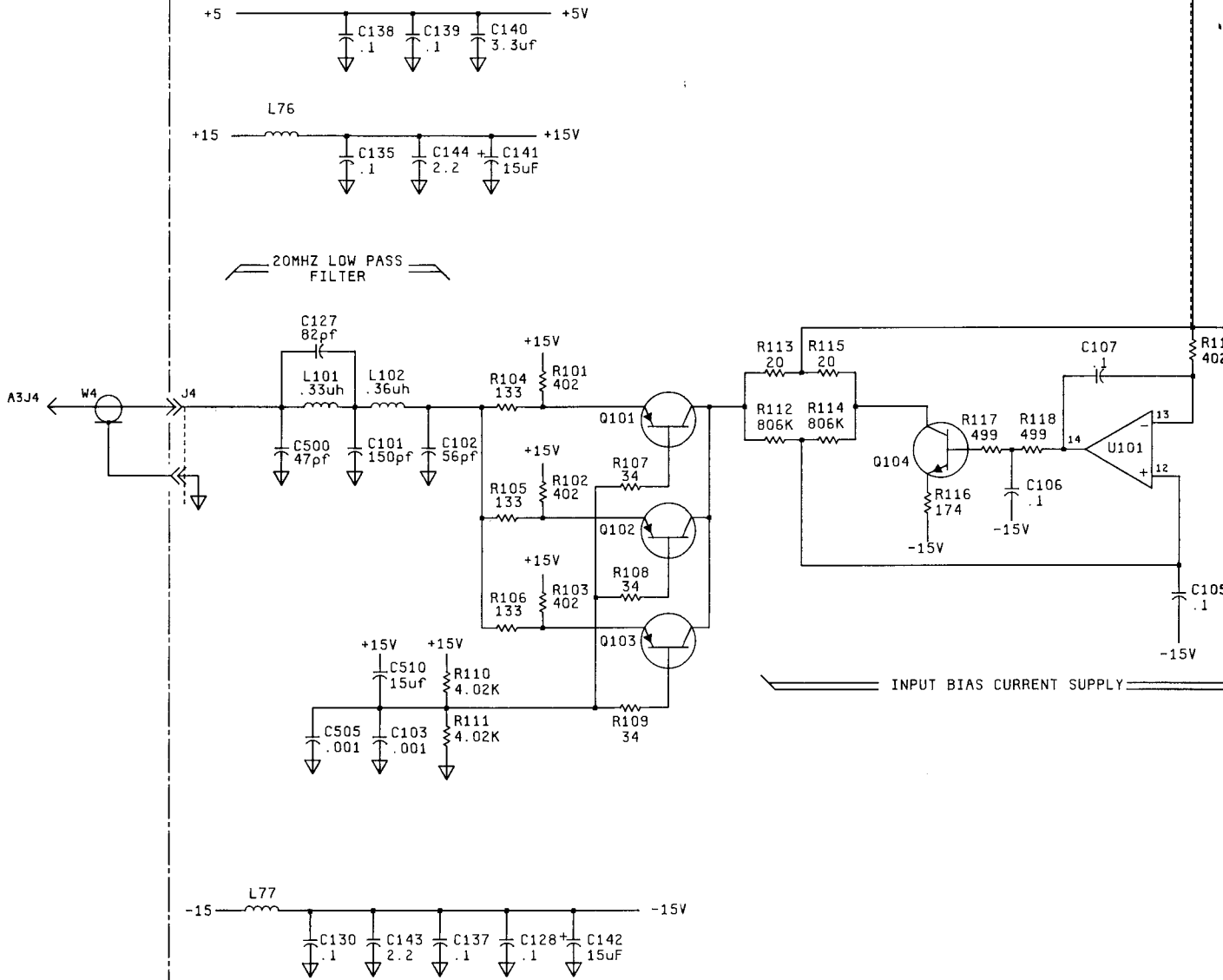
Figure 8-10. Mixer, A3.
8-21/8-22

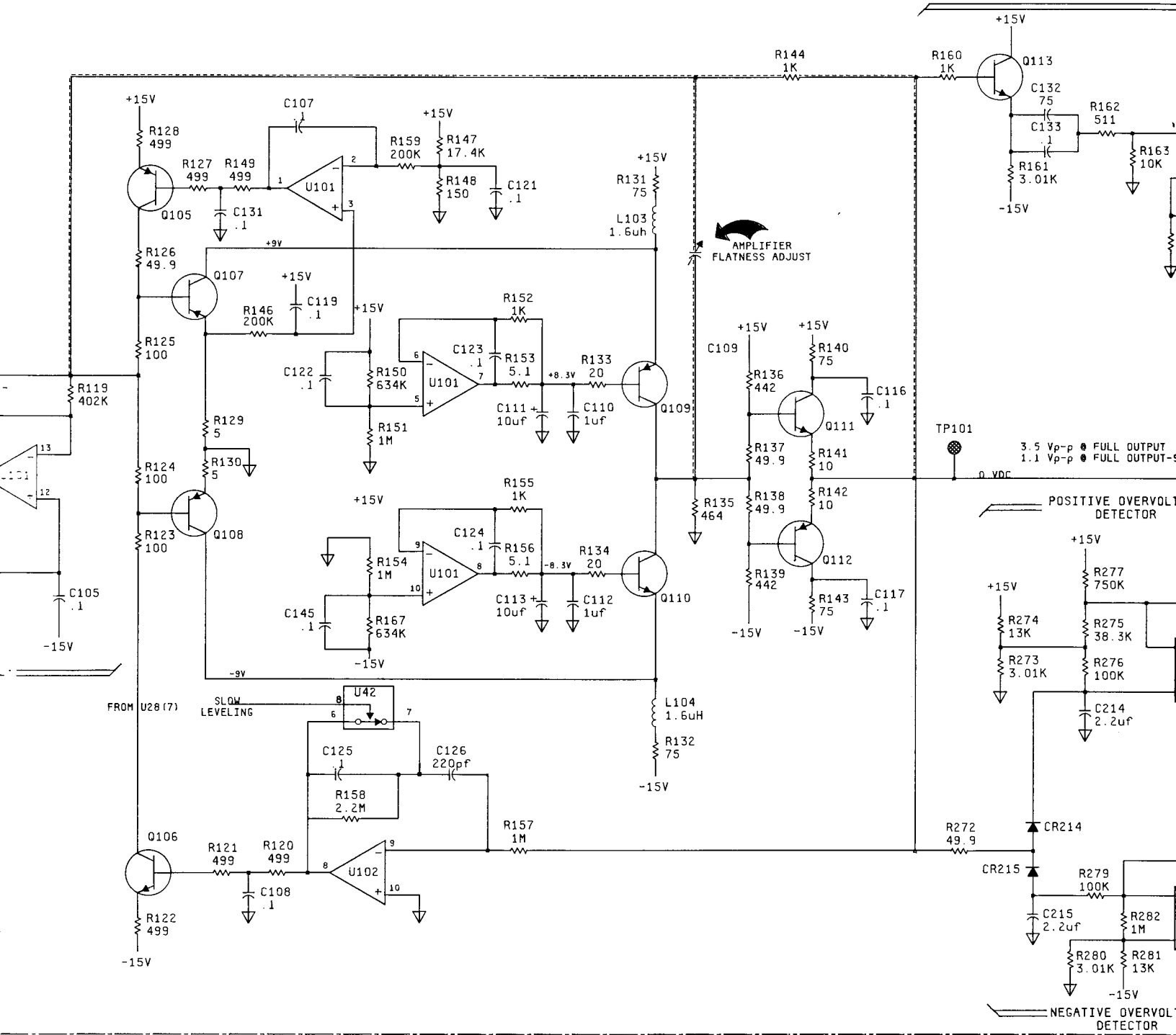


A4
03336-66504

P/OA4

03336-66504
OUTPUT AMPLIFIER





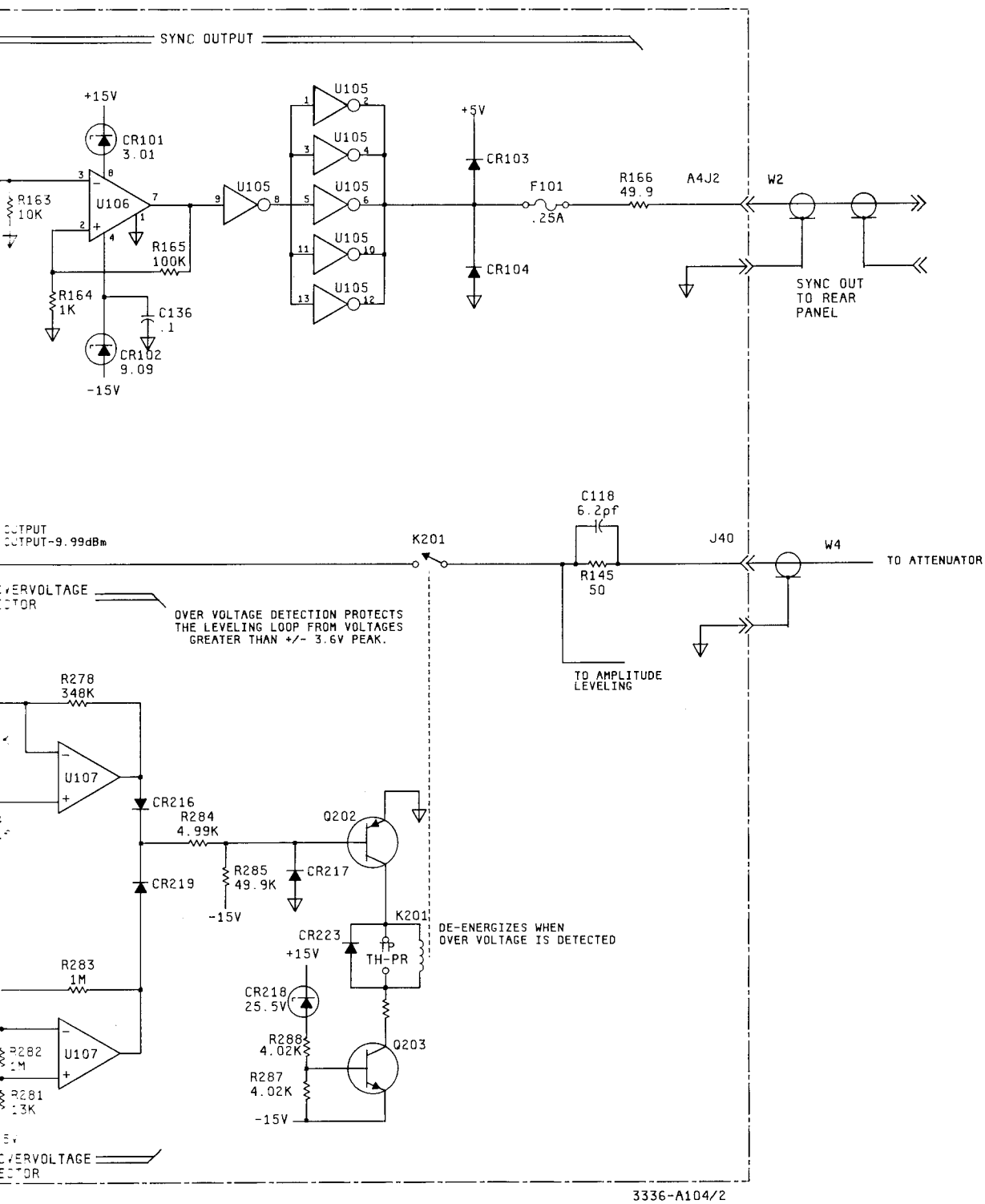
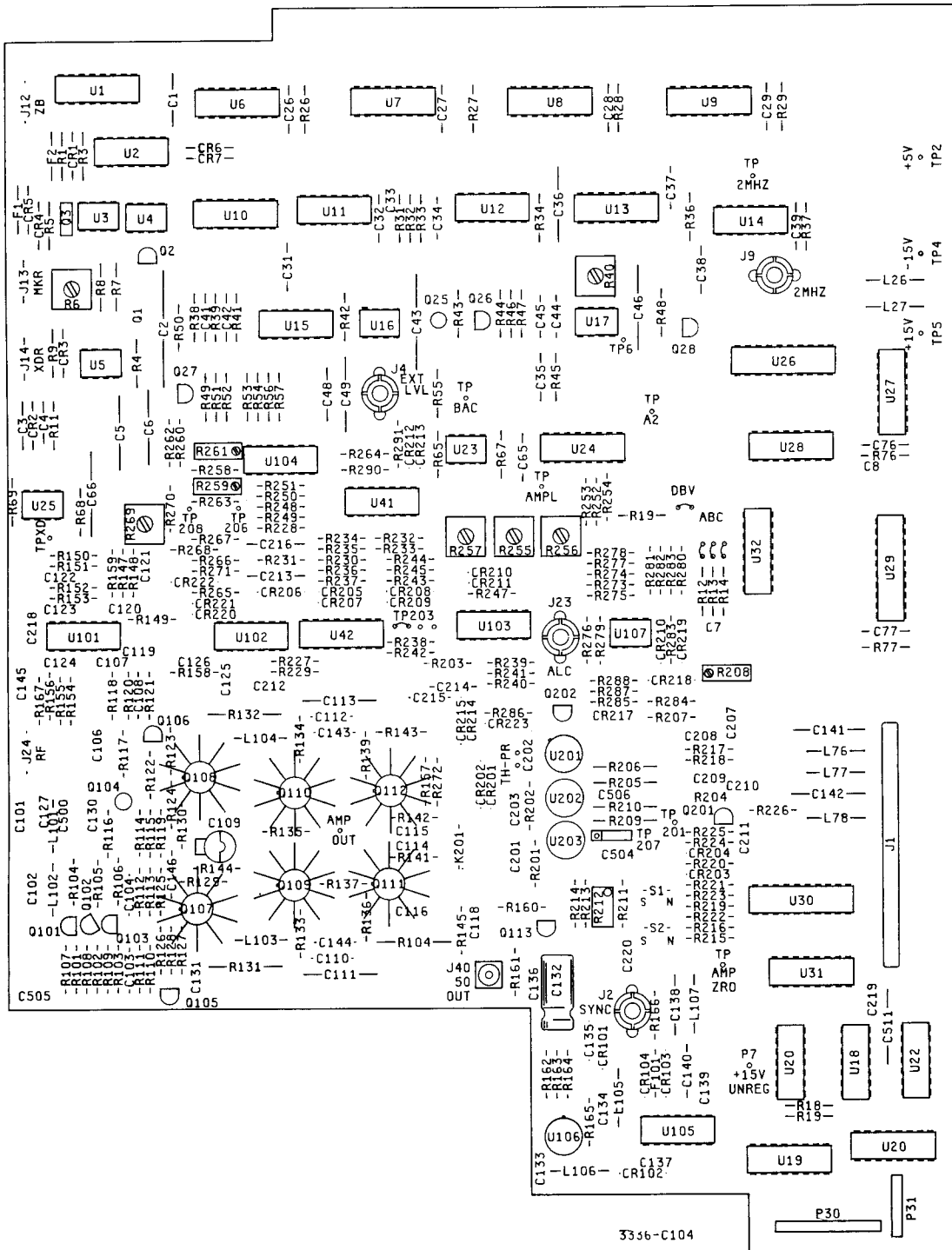
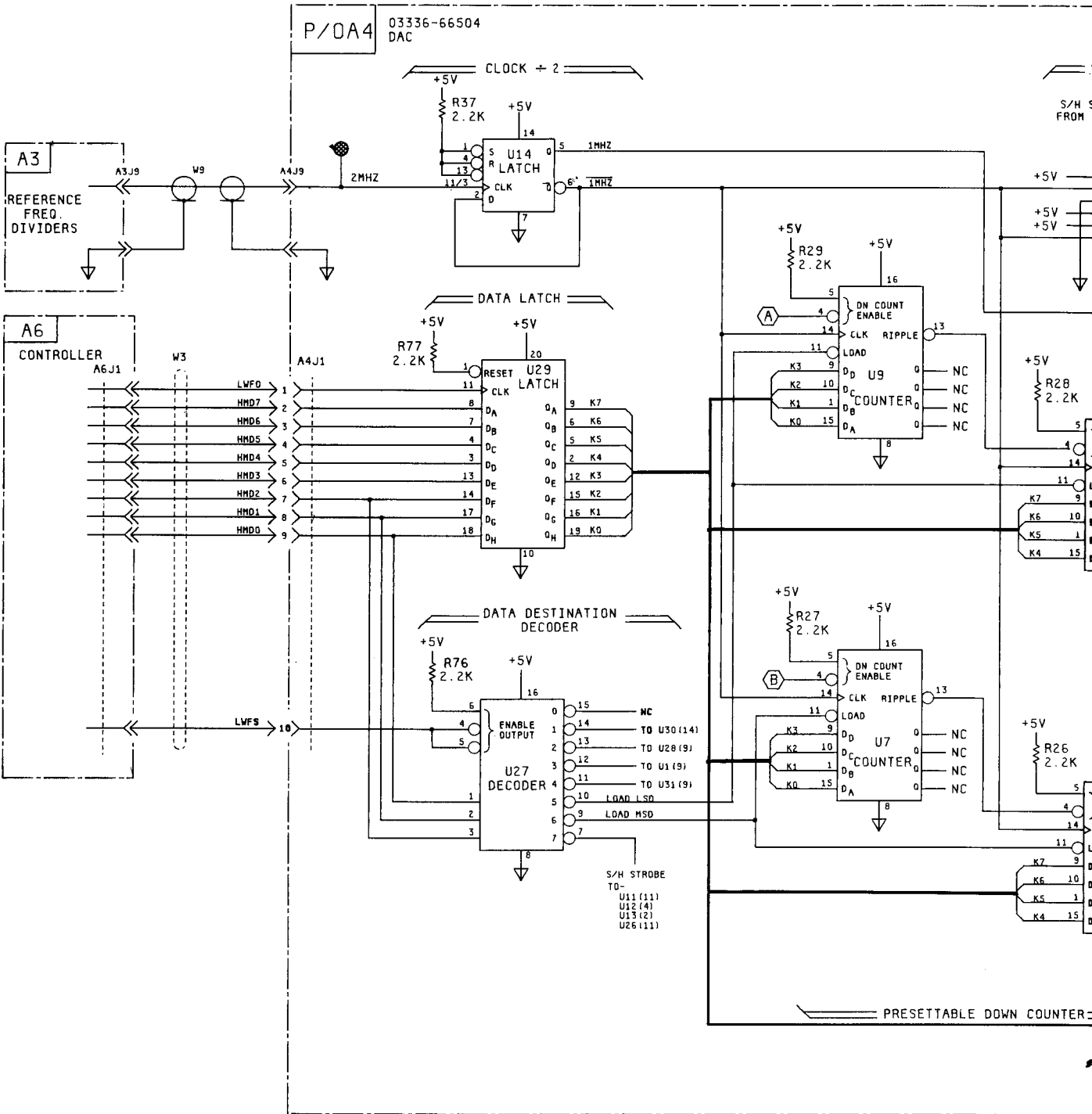


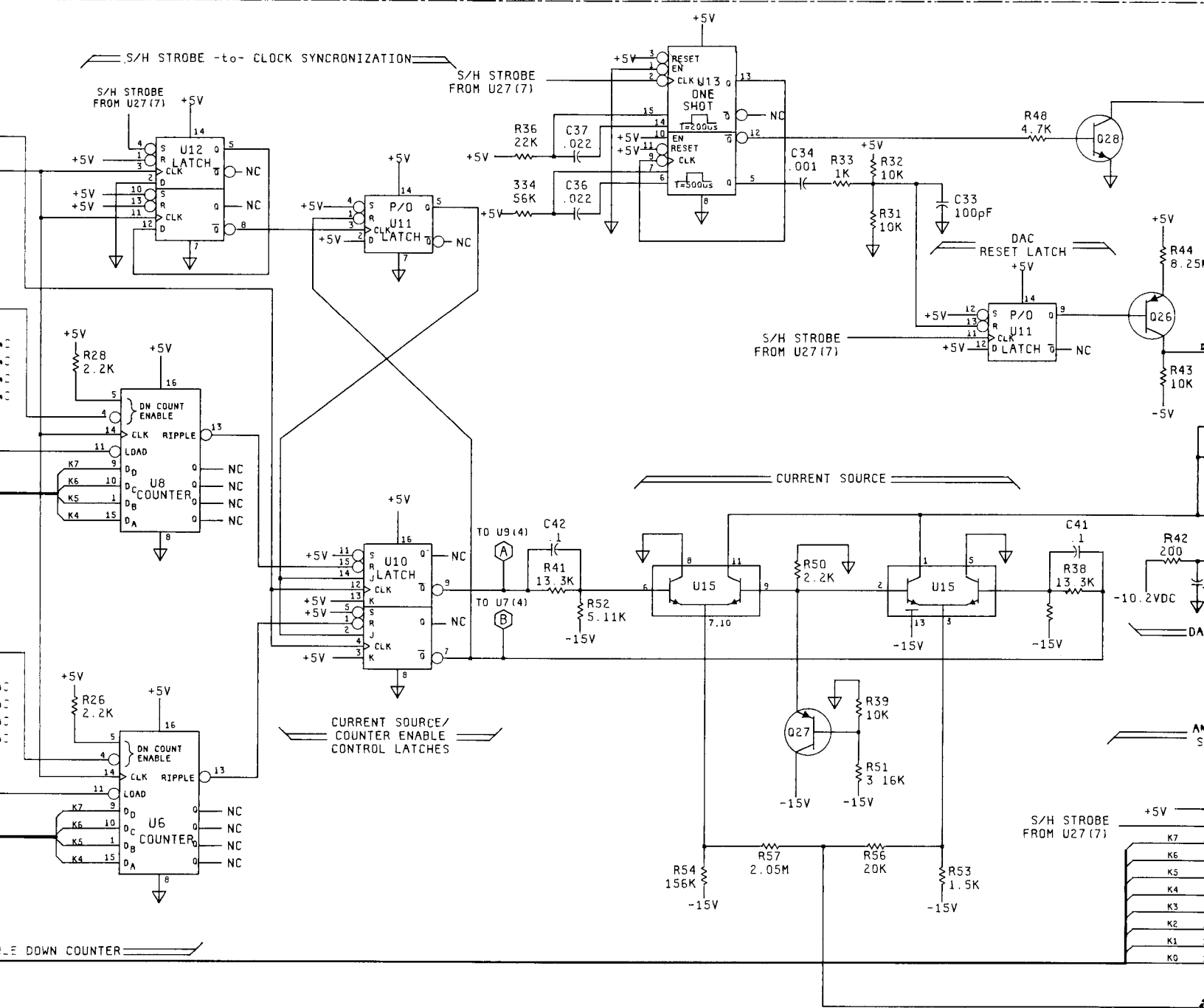
Figure 8-11. Output Amplifier, A4.
8-23/8-24

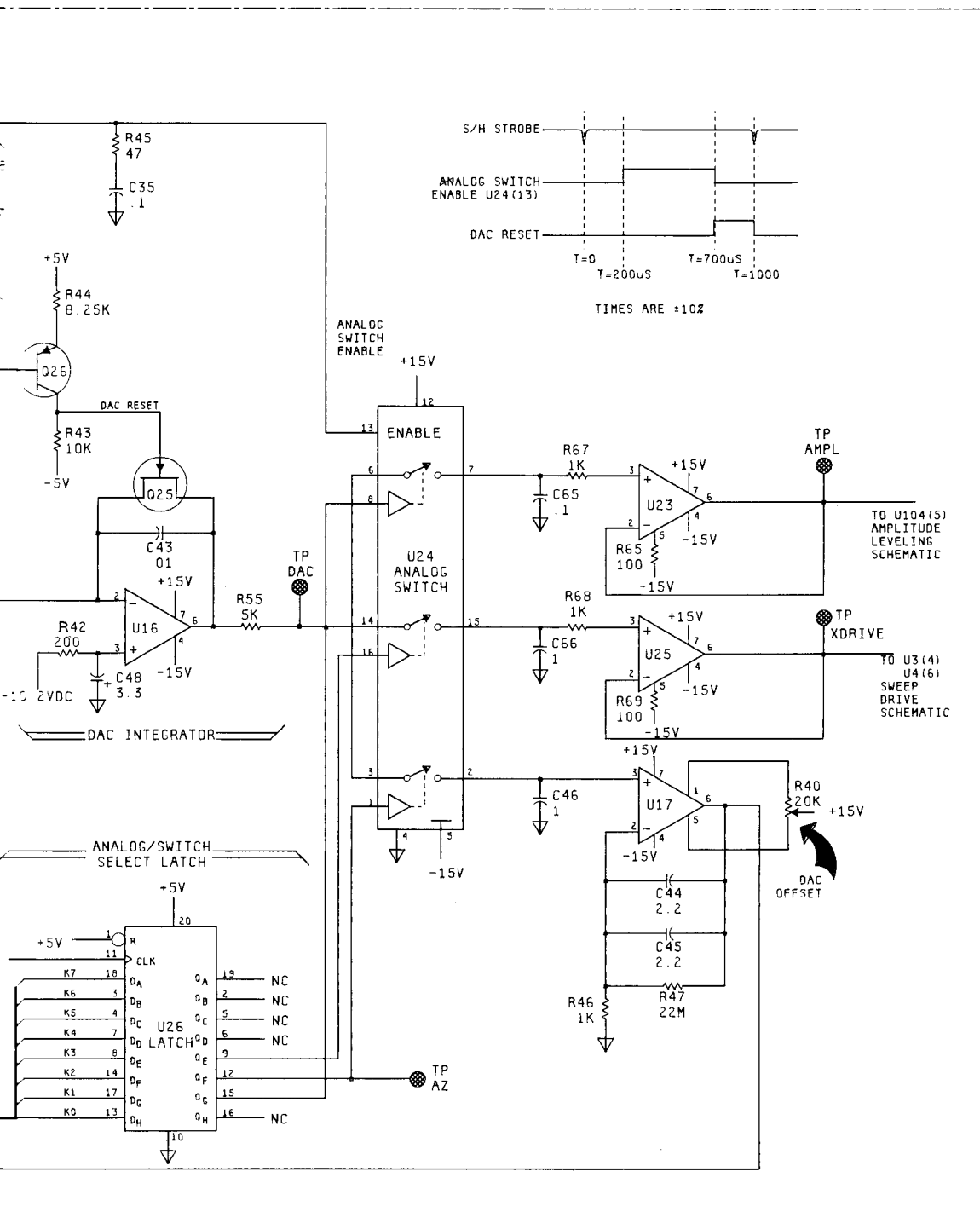


3336-C104

A4
03336-88504

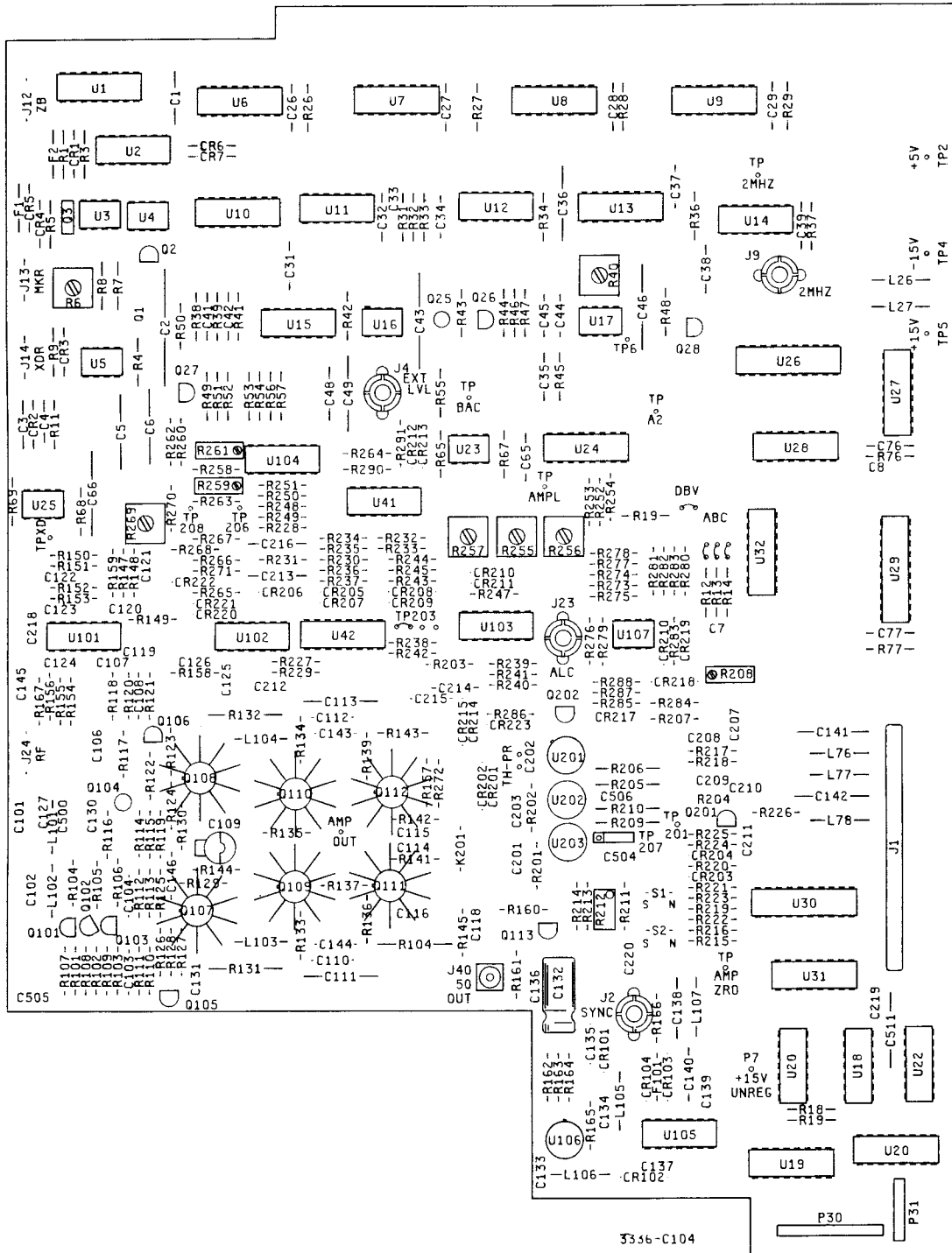




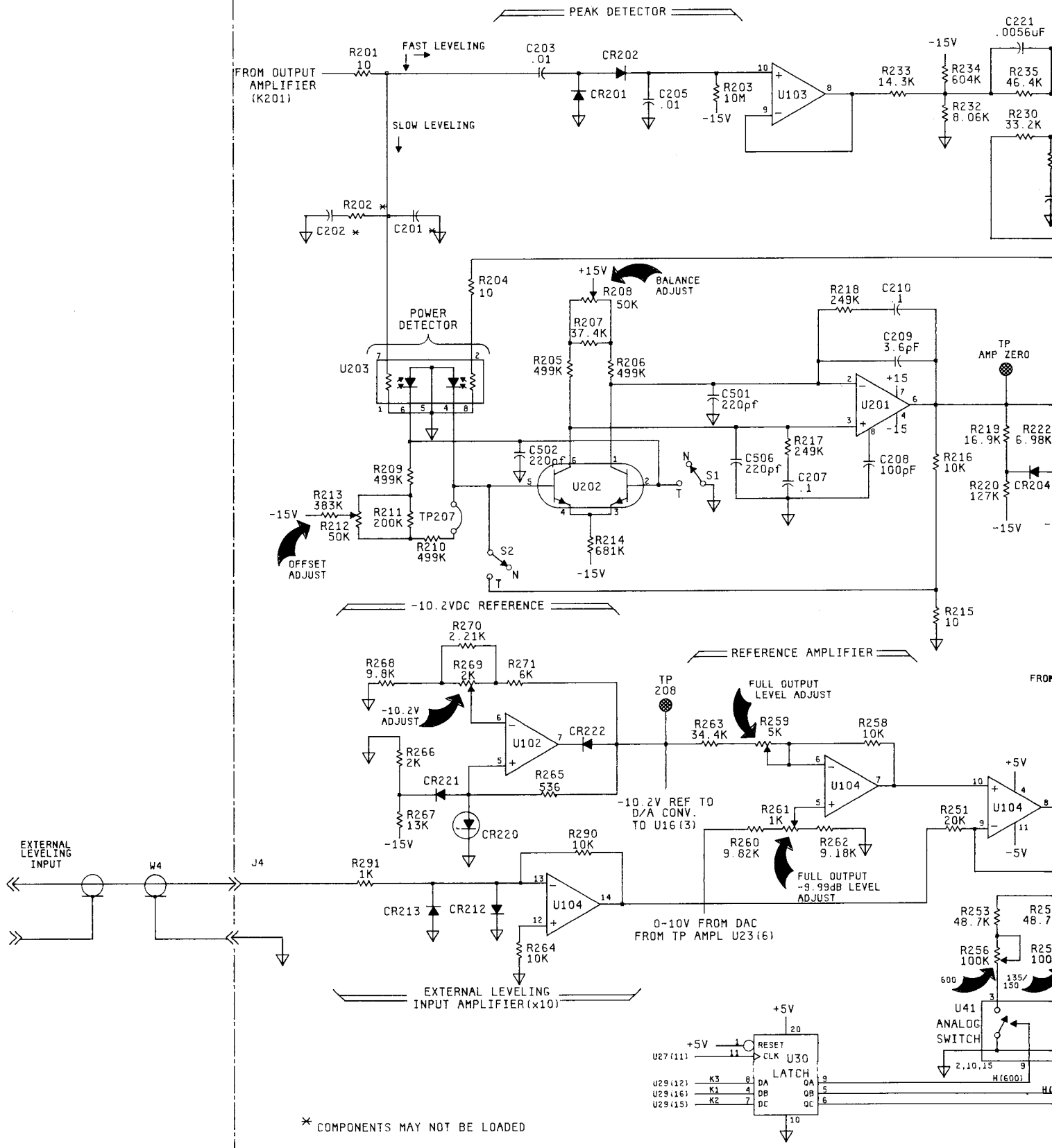


3336-A104/3

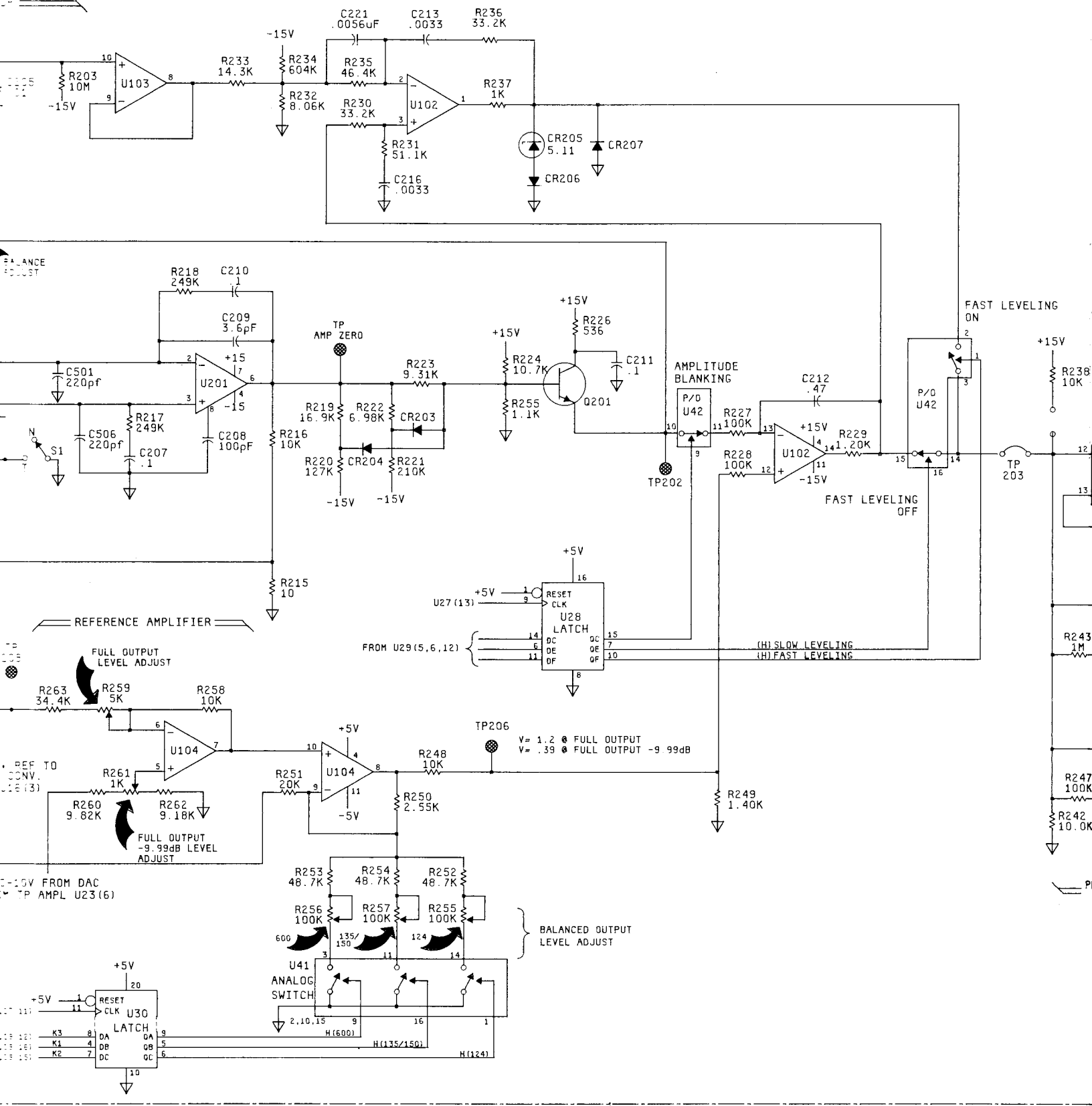
Figure 8-12. D to A Converter, A4.
8-25/8-26

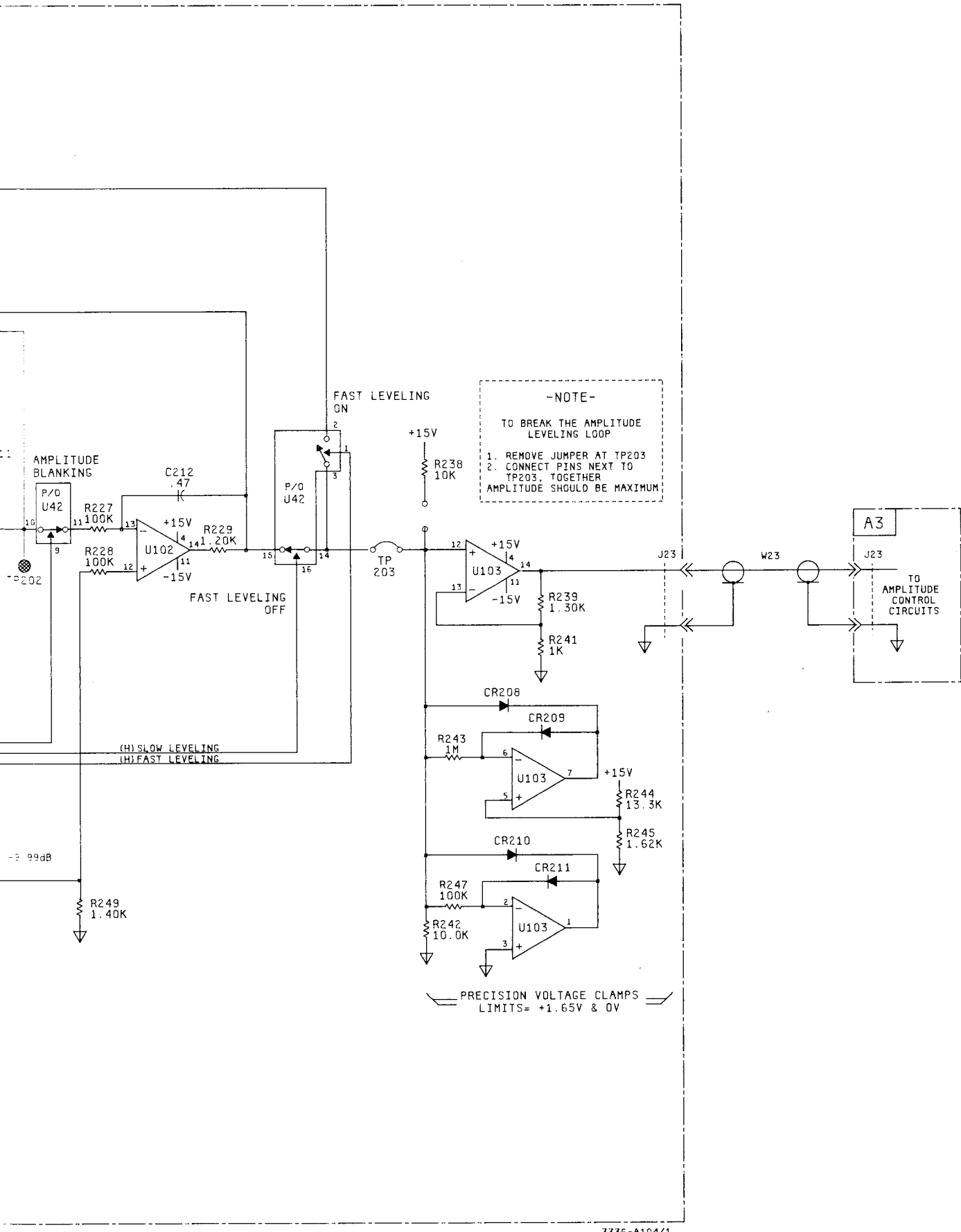


A4
03336-66504



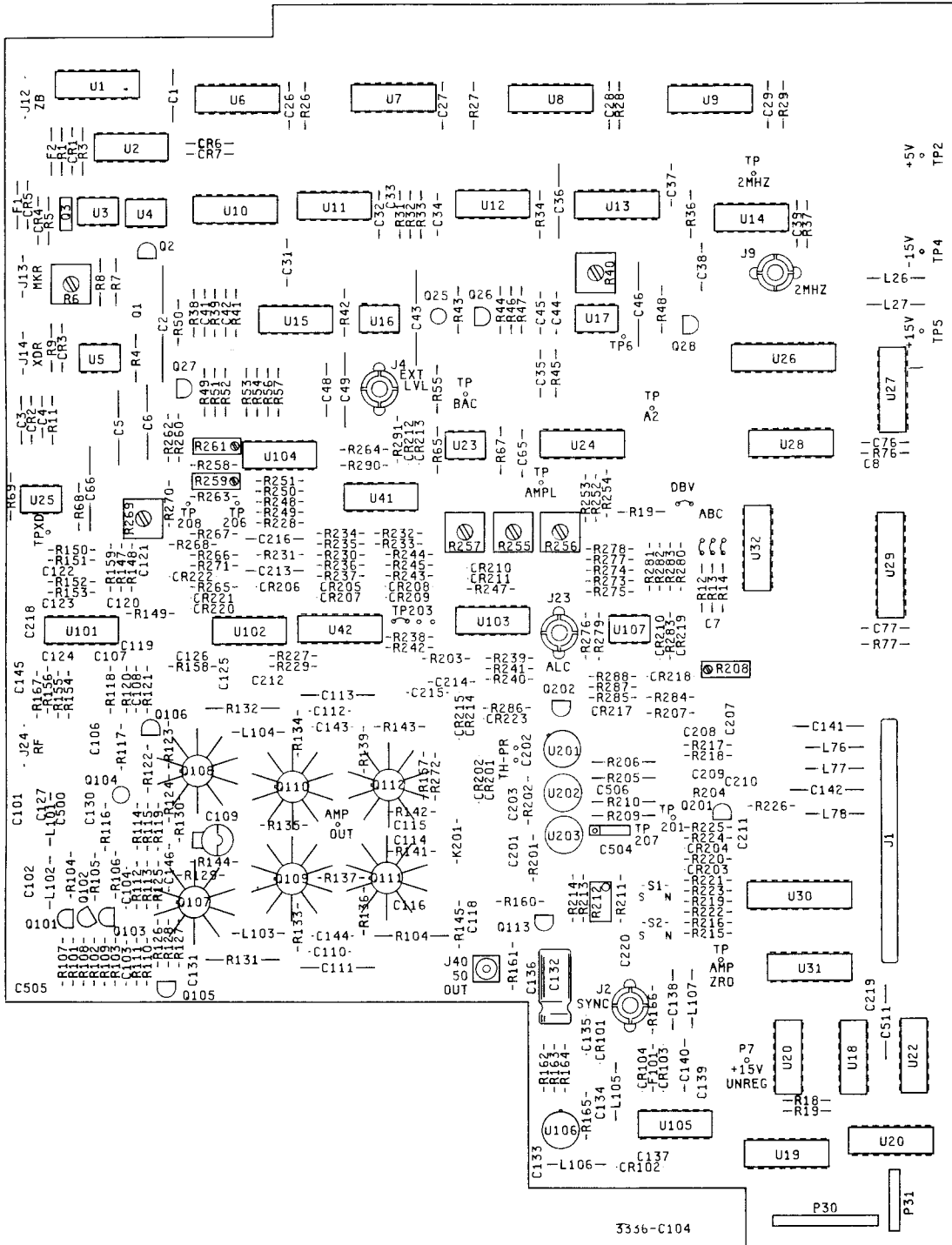
* COMPONENTS MAY NOT BE LOADED





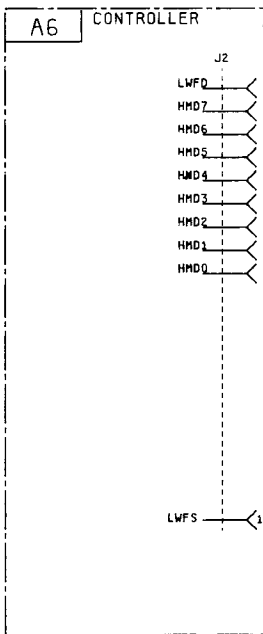
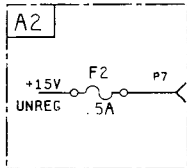
3336-A104/1

Figure 8-13. Amplitude Leveling, A4.
8-27/8-28

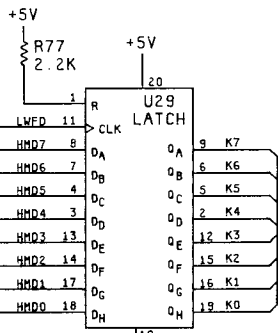


A4
03336-66504

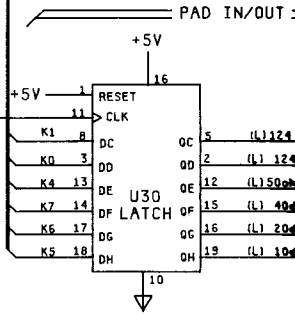
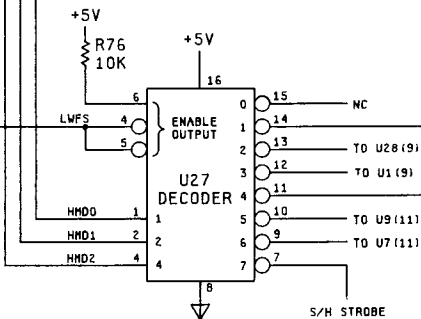
P/OA4 03336-66504
RELAY SELECT LOGIC & DRIVERS



DATA LATCH

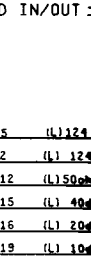
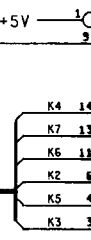


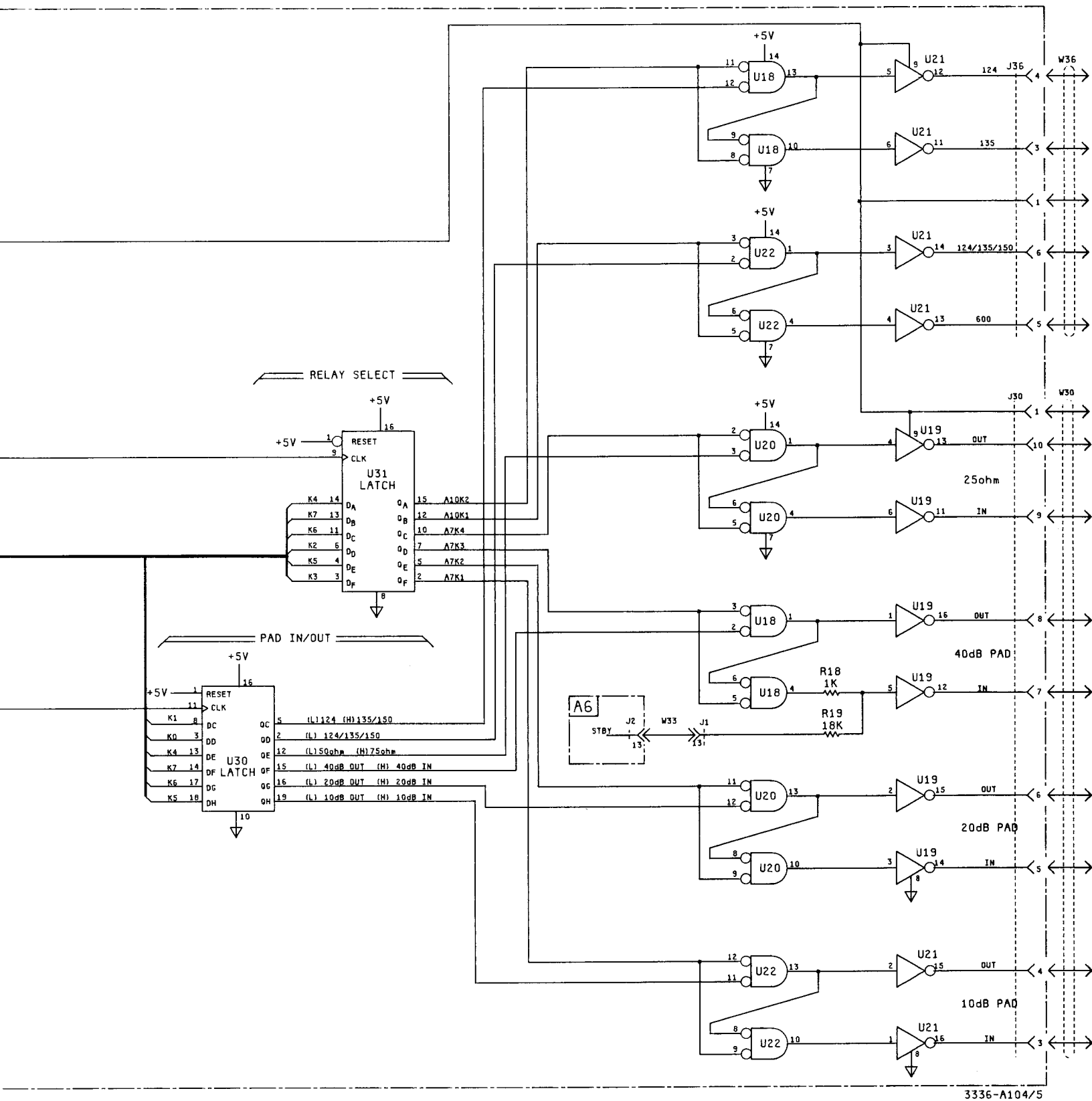
DATA DESTINATION DECODER



S/H STROBE
TO-
U11 (11)
U12 (4)
U13 (2)

RELAY





3336-A104/5

Figure 8-

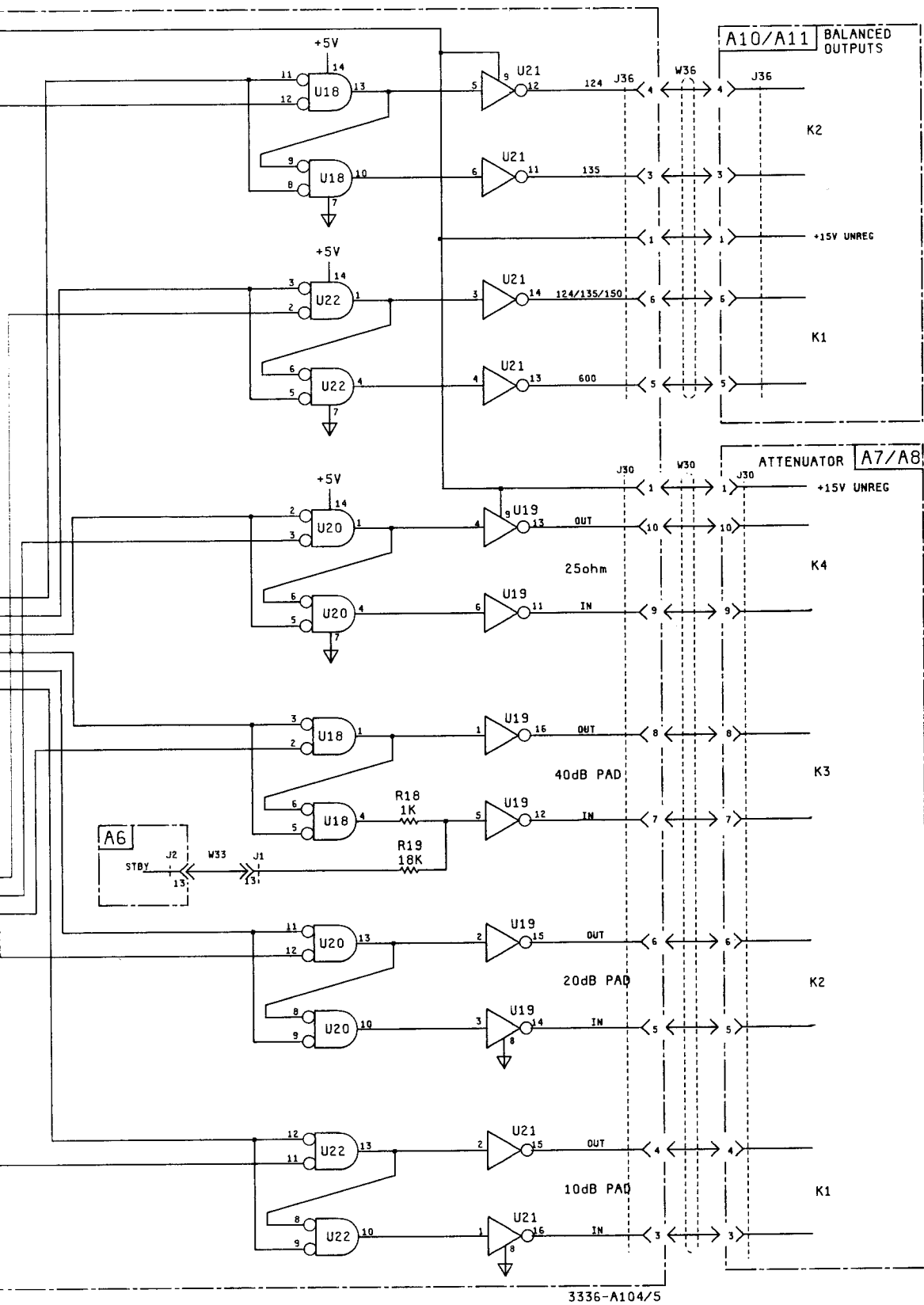
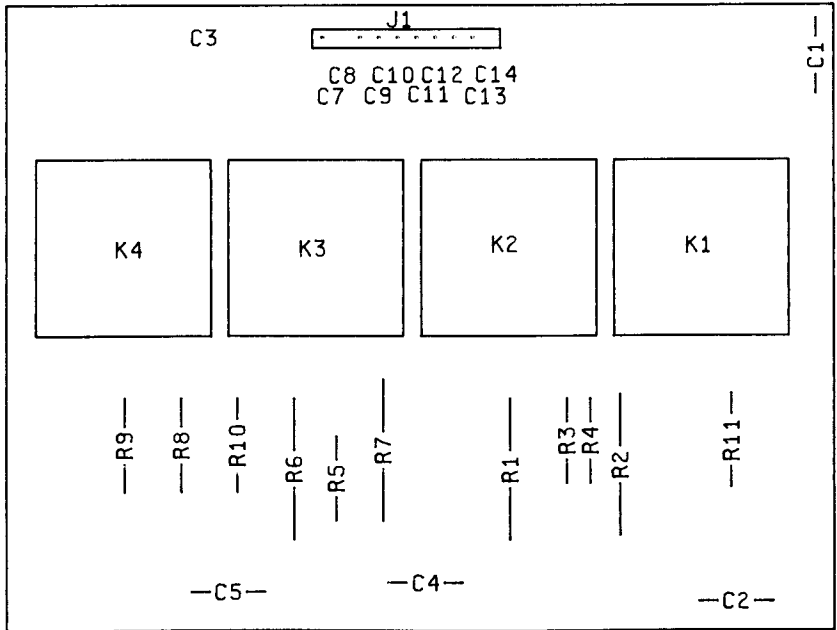
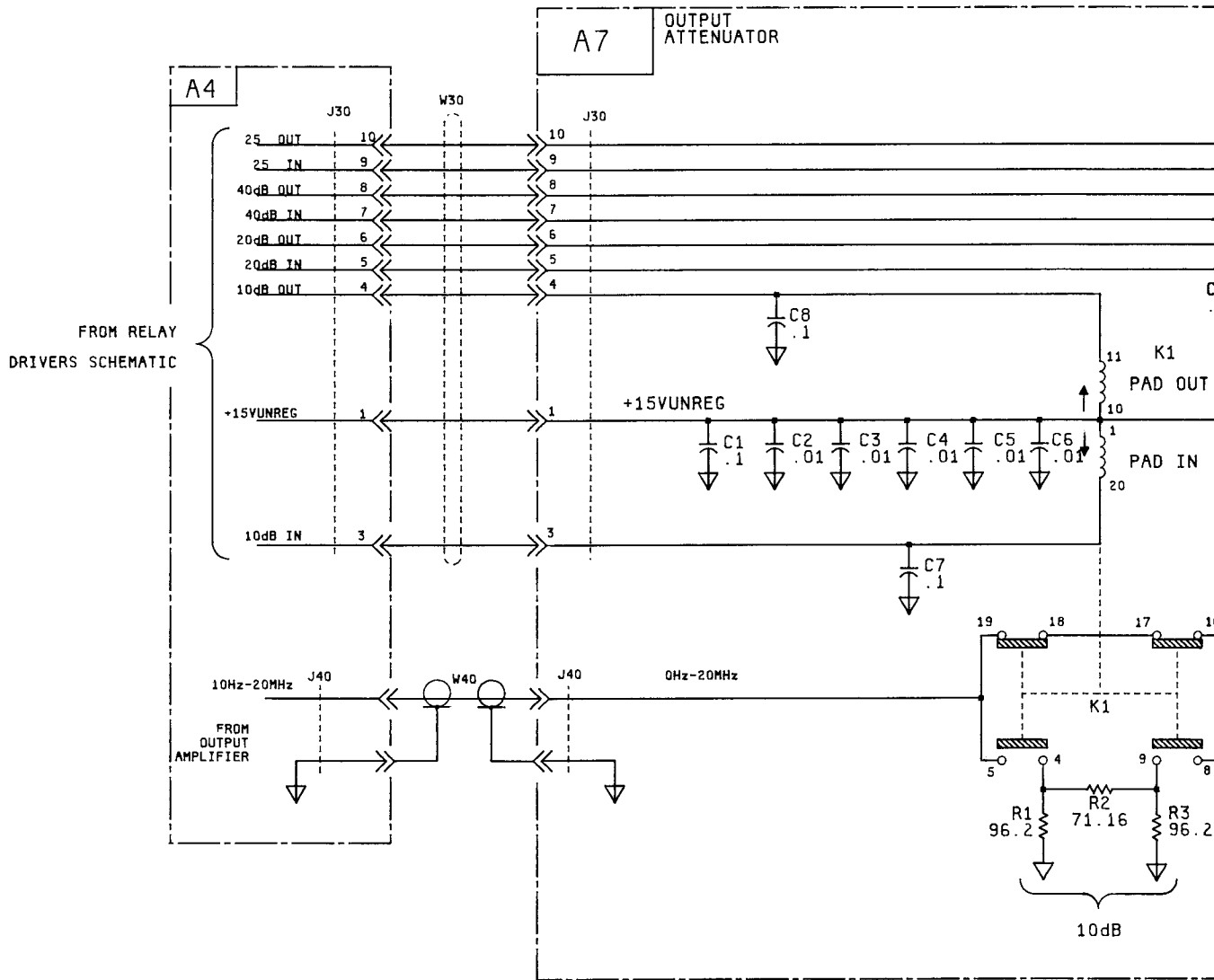


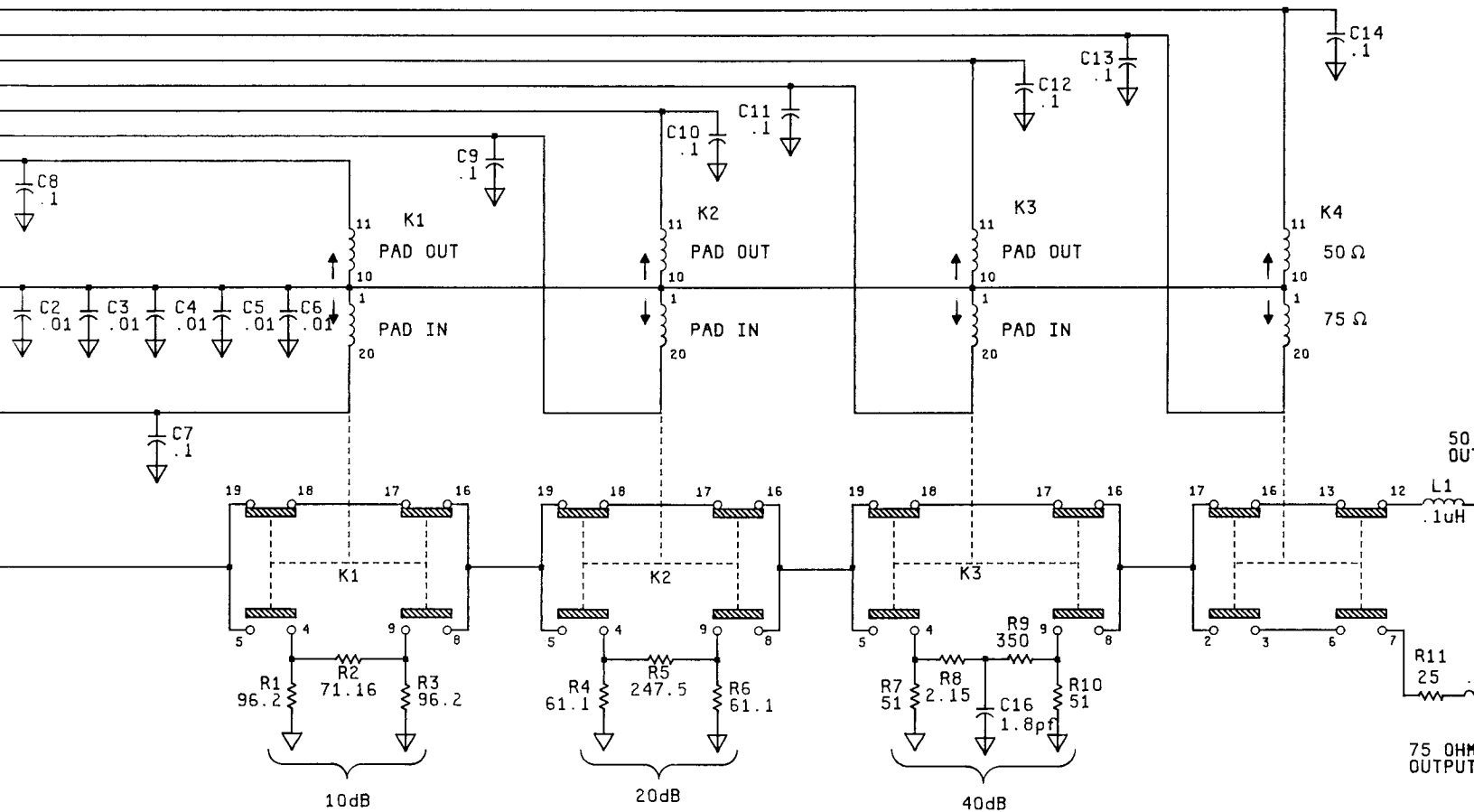
Figure 8-14. Relay Select Logic and Drivers, A4.
8-29/8-30



A7
03336-66507



OR



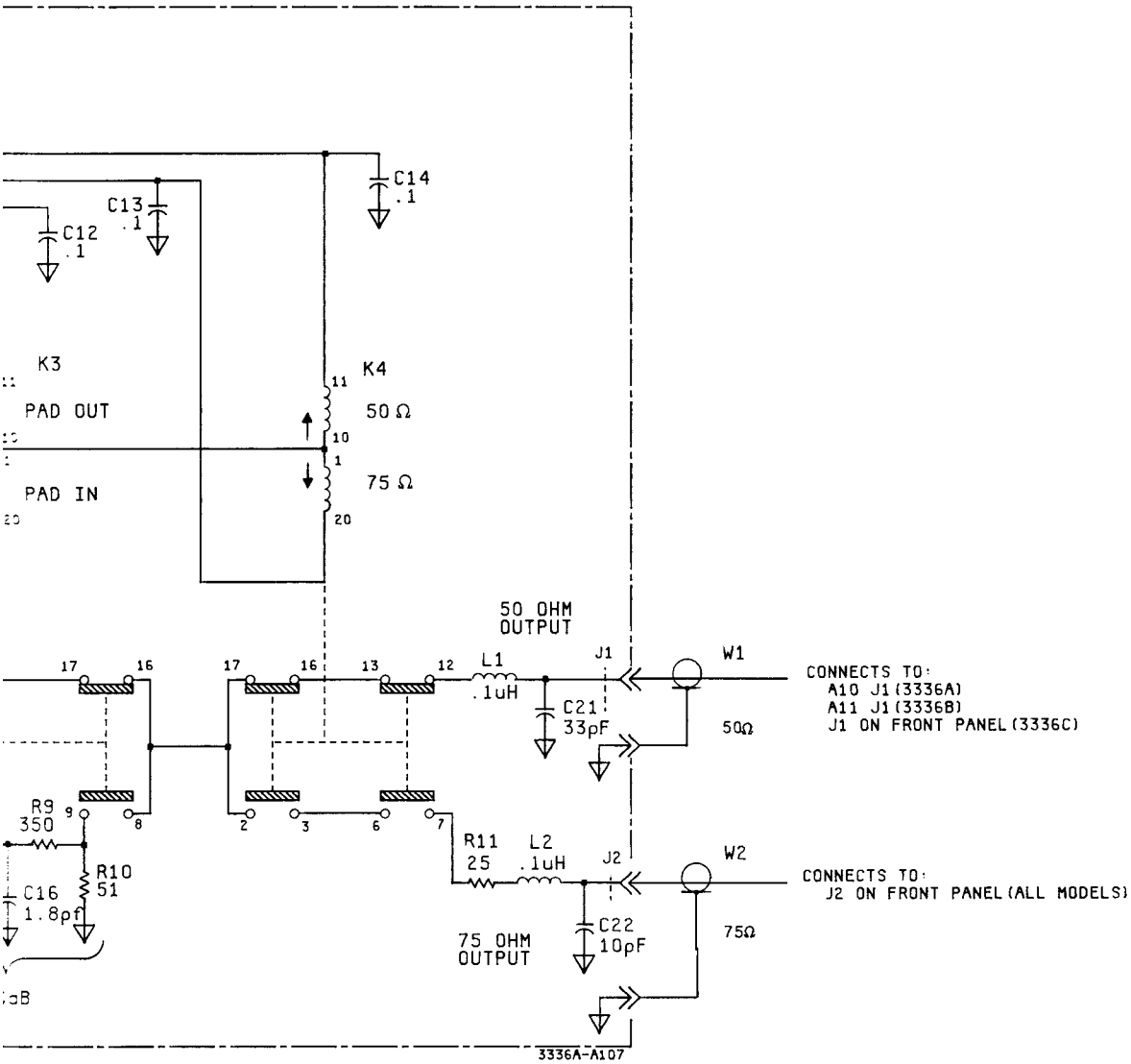
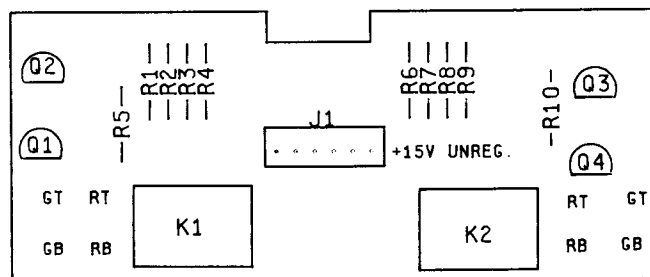
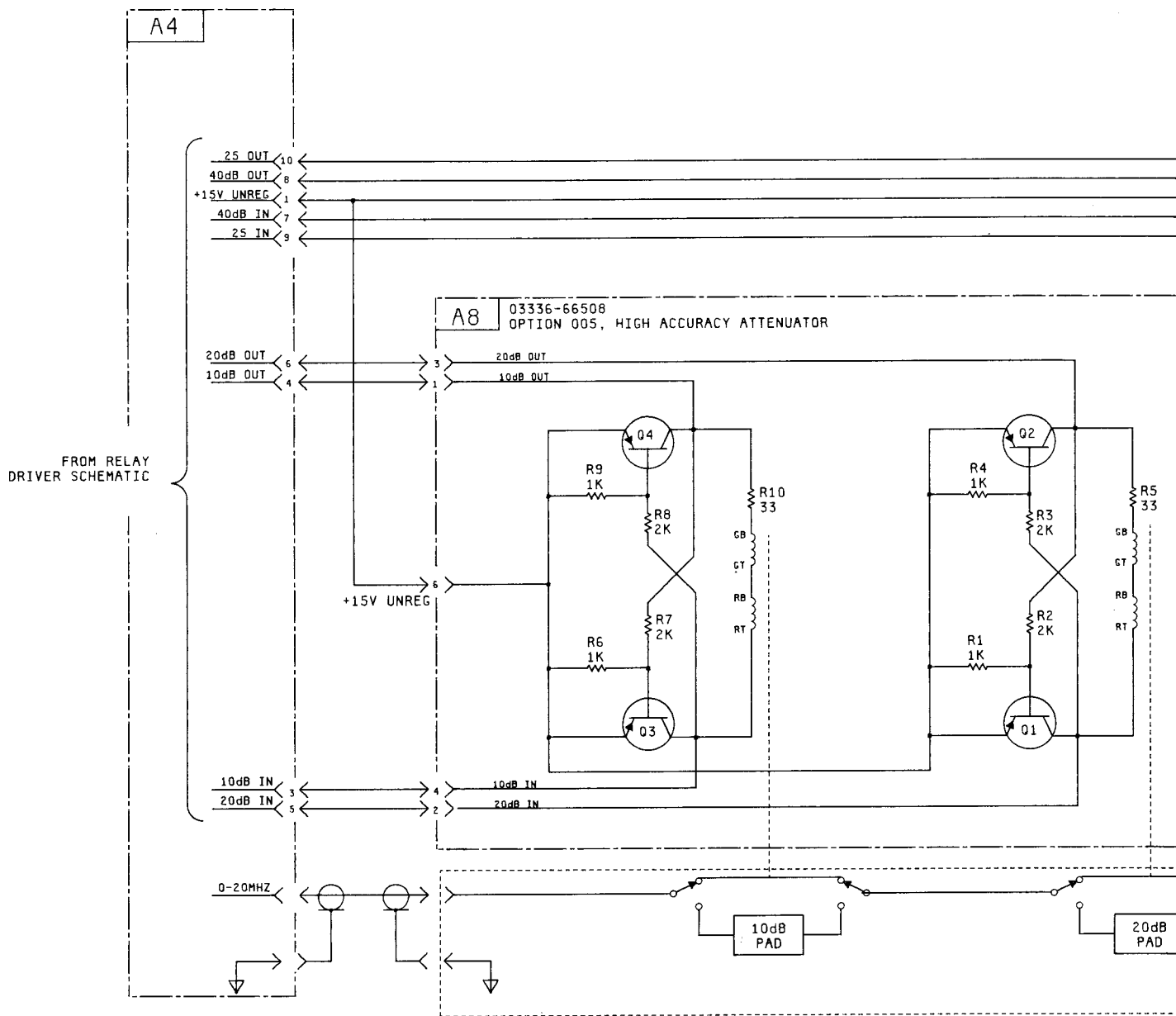


Figure 8-15. Attenuator, A7.
8-31/8-32

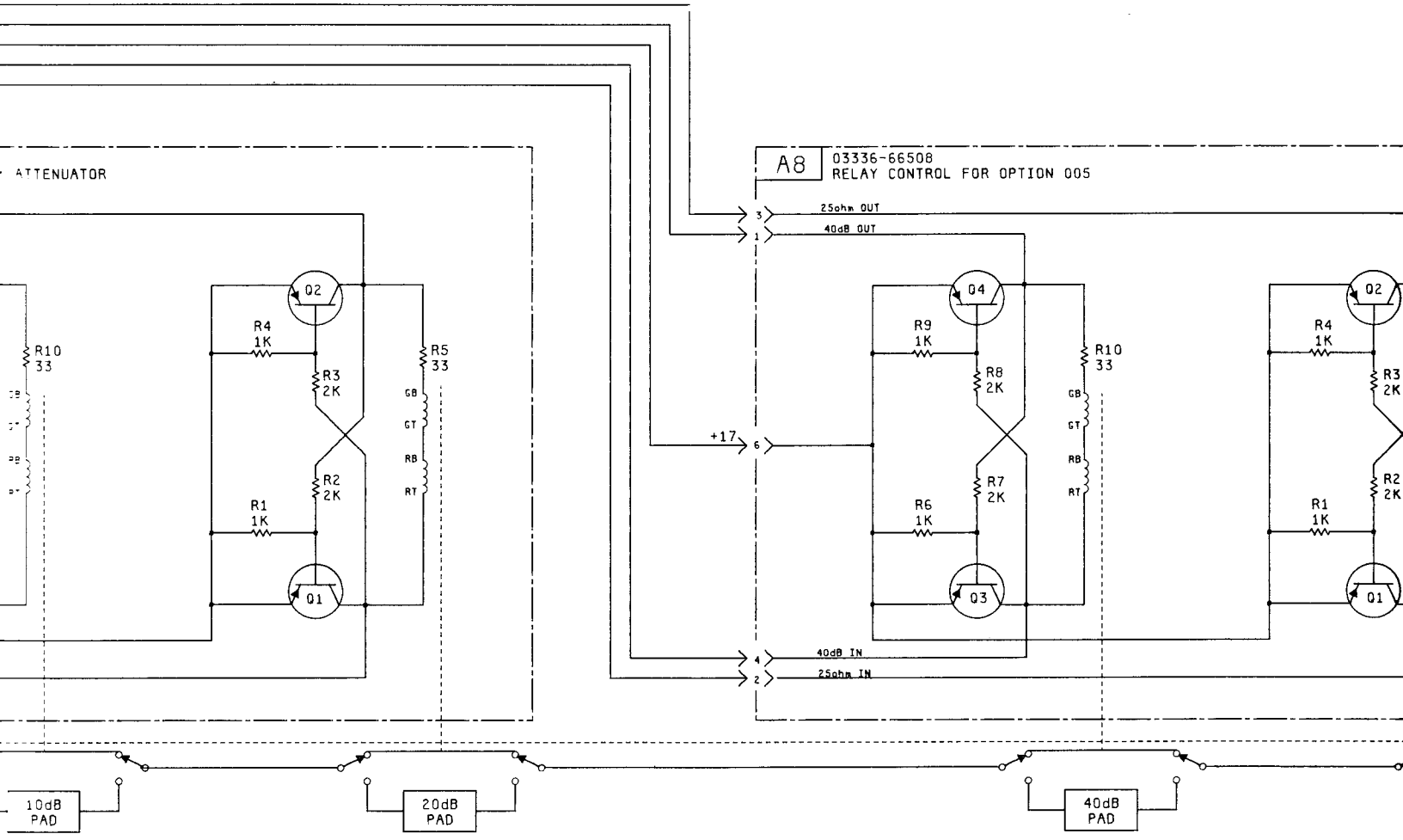


108C A8

A8
03336-66508



COPYRIGHT 1979 BY HEWLETT-PACKARD CO.



ARD CO.

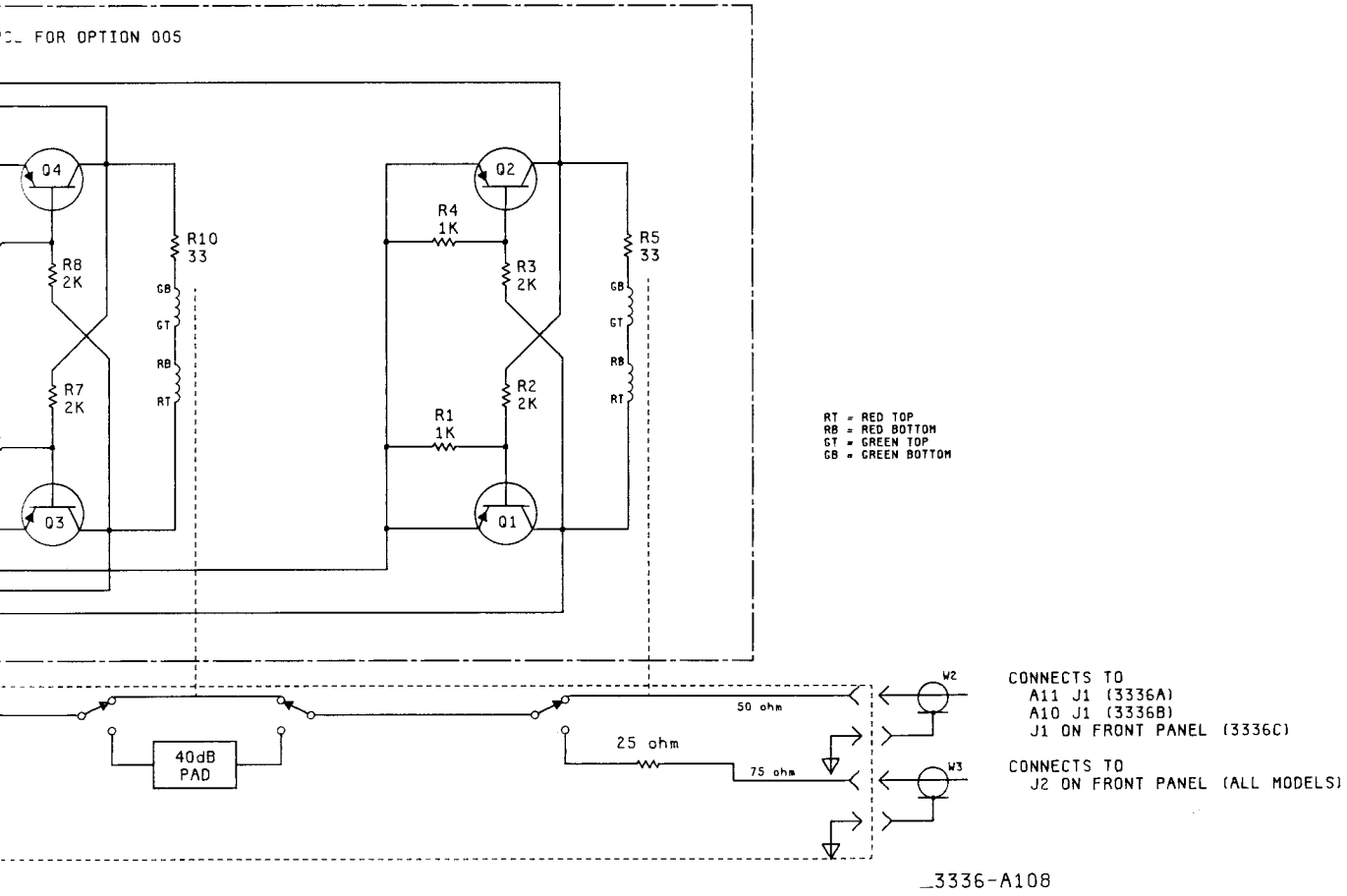
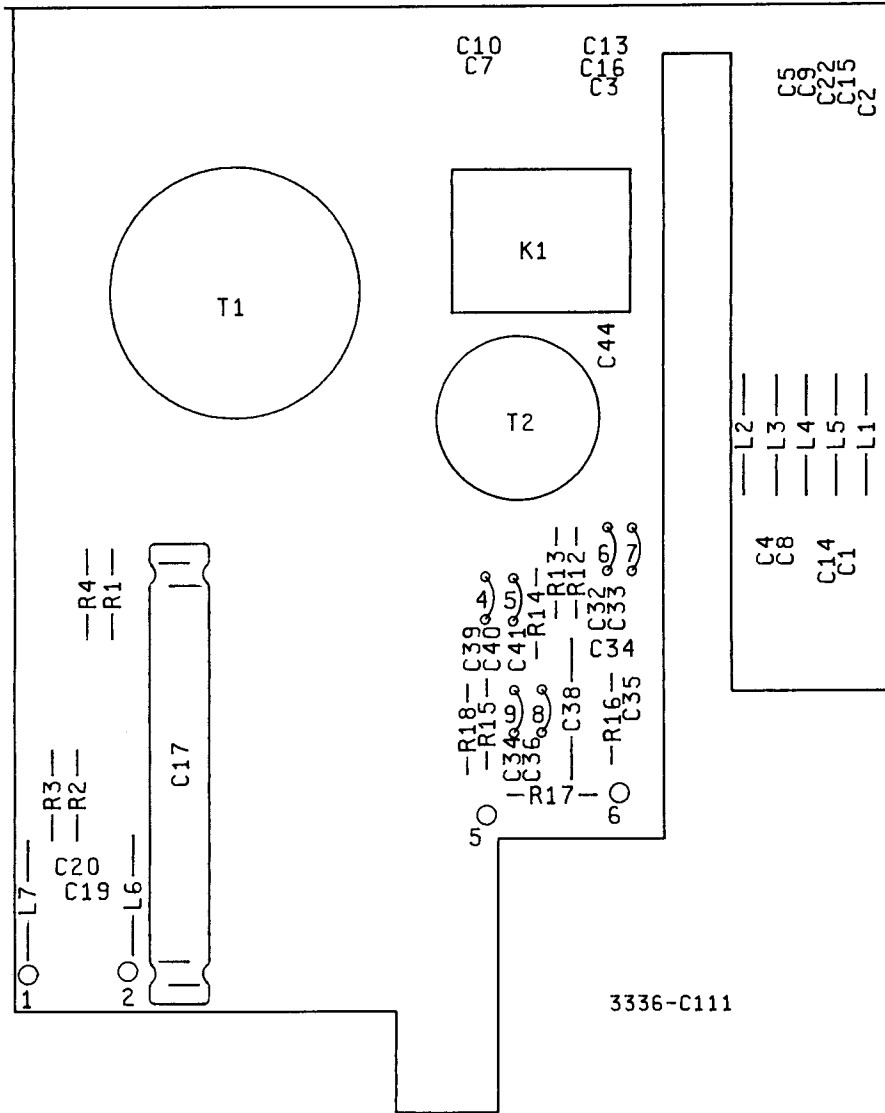
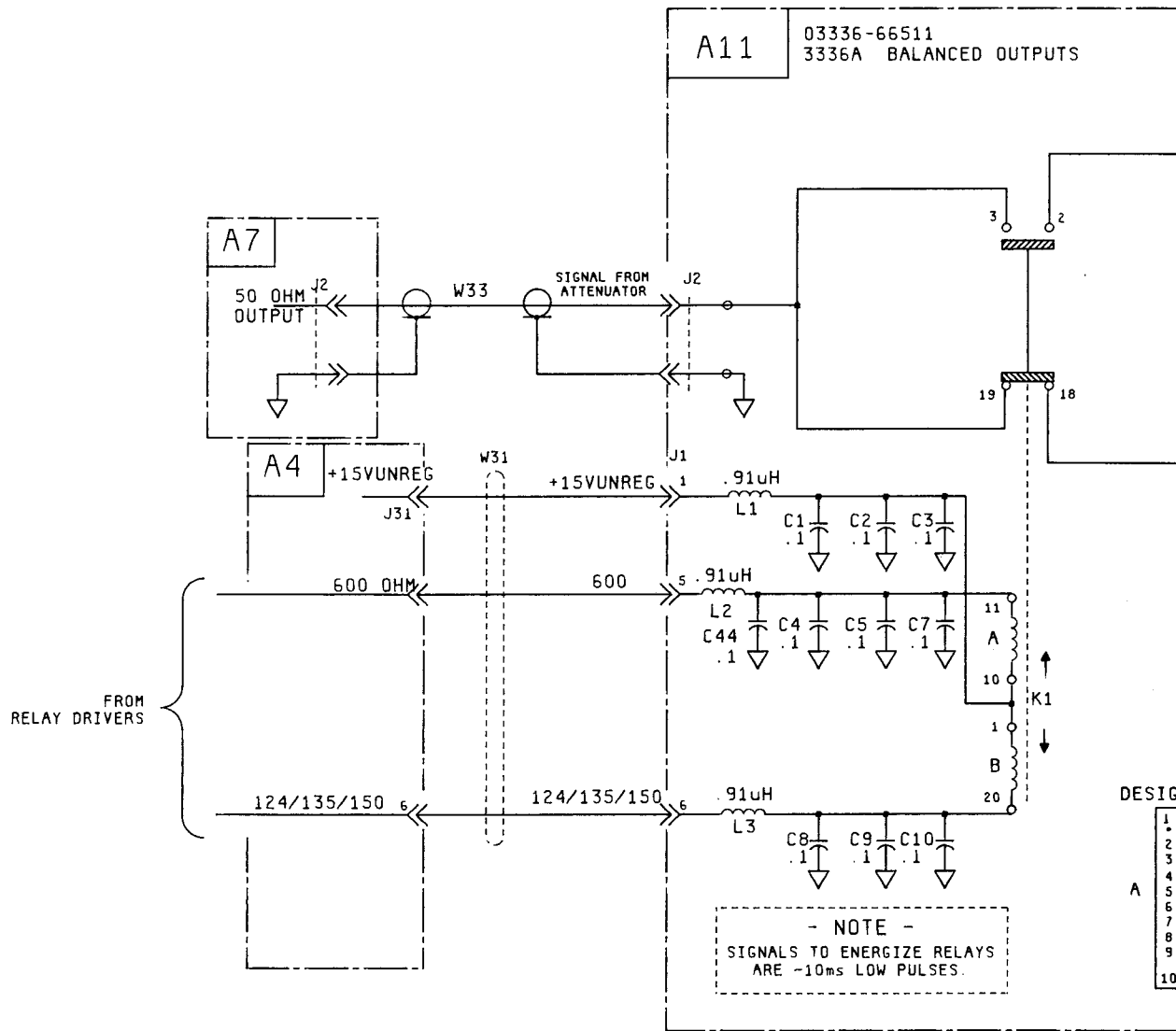


Figure 8-16. High Accuracy Attenuator Option 005, A8.
 8-33/8-34

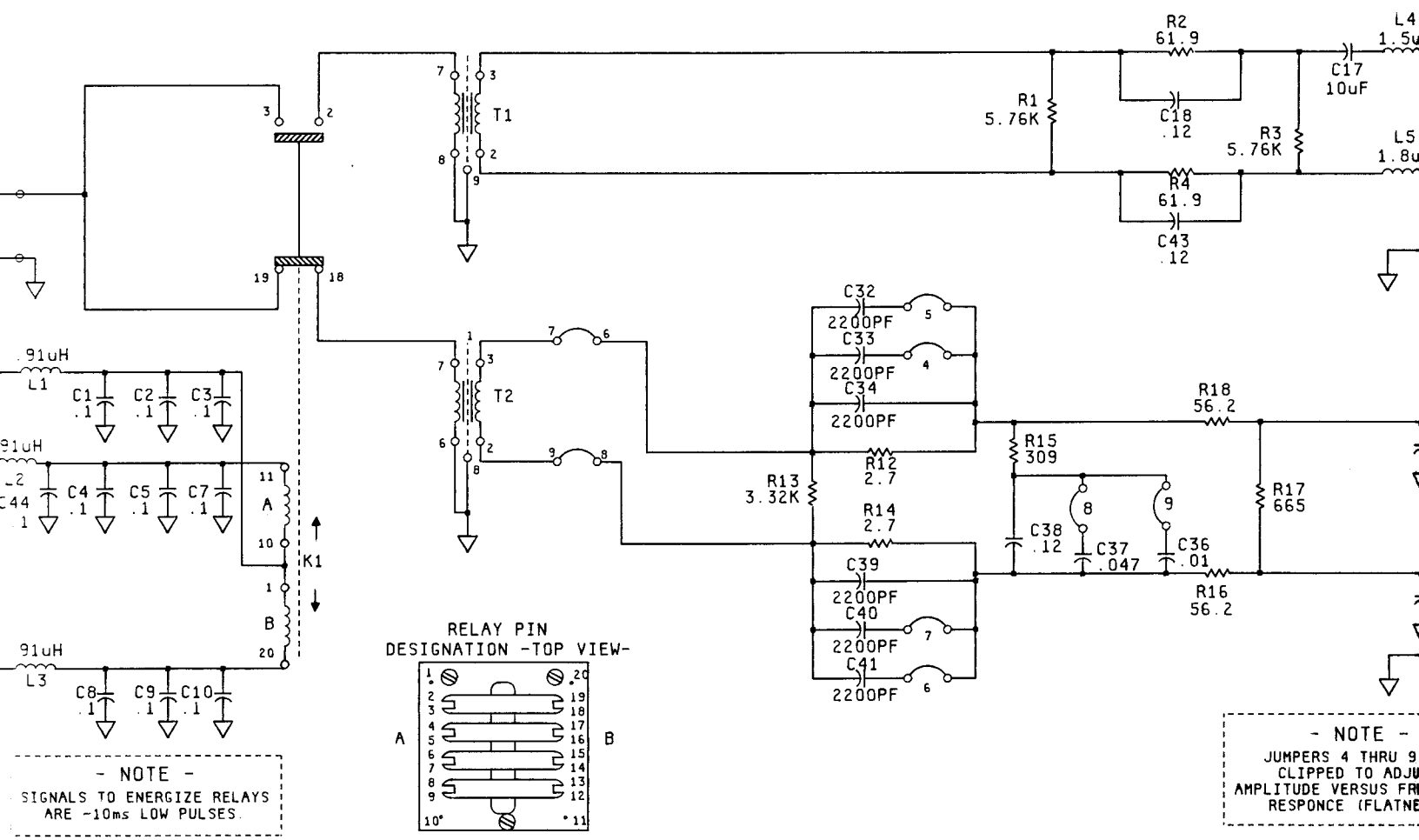


A11
03336-66511



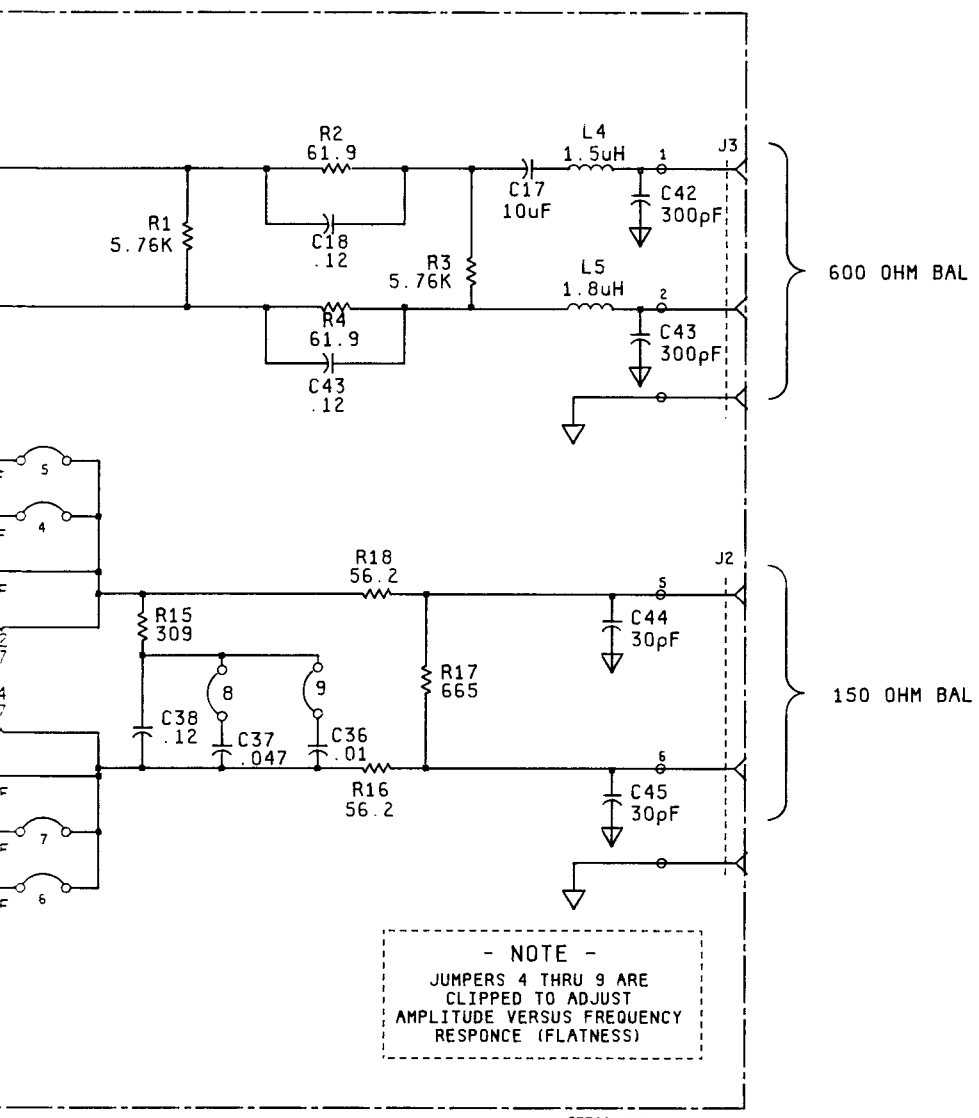
A11

03336-66511
3336A BALANCED OUTPUTS



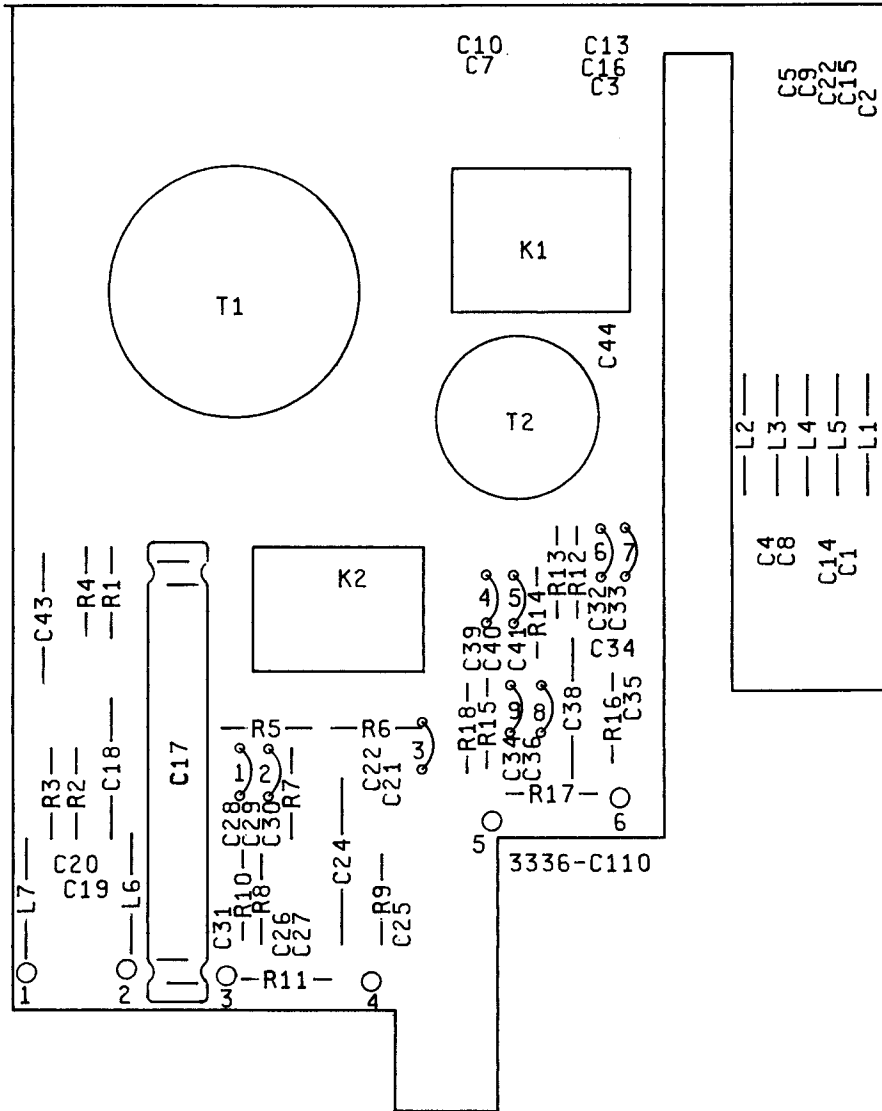
- NOTE -
SIGNALS TO ENERGIZE RELAYS
ARE -10ms LOW PULSES.

- NOTE -
JUMPERS 4 THRU 9
CLIPPED TO ADJUST
AMPLITUDE VERSUS FREQUENCY
RESPONSE (FLATTENING)



3336A-111

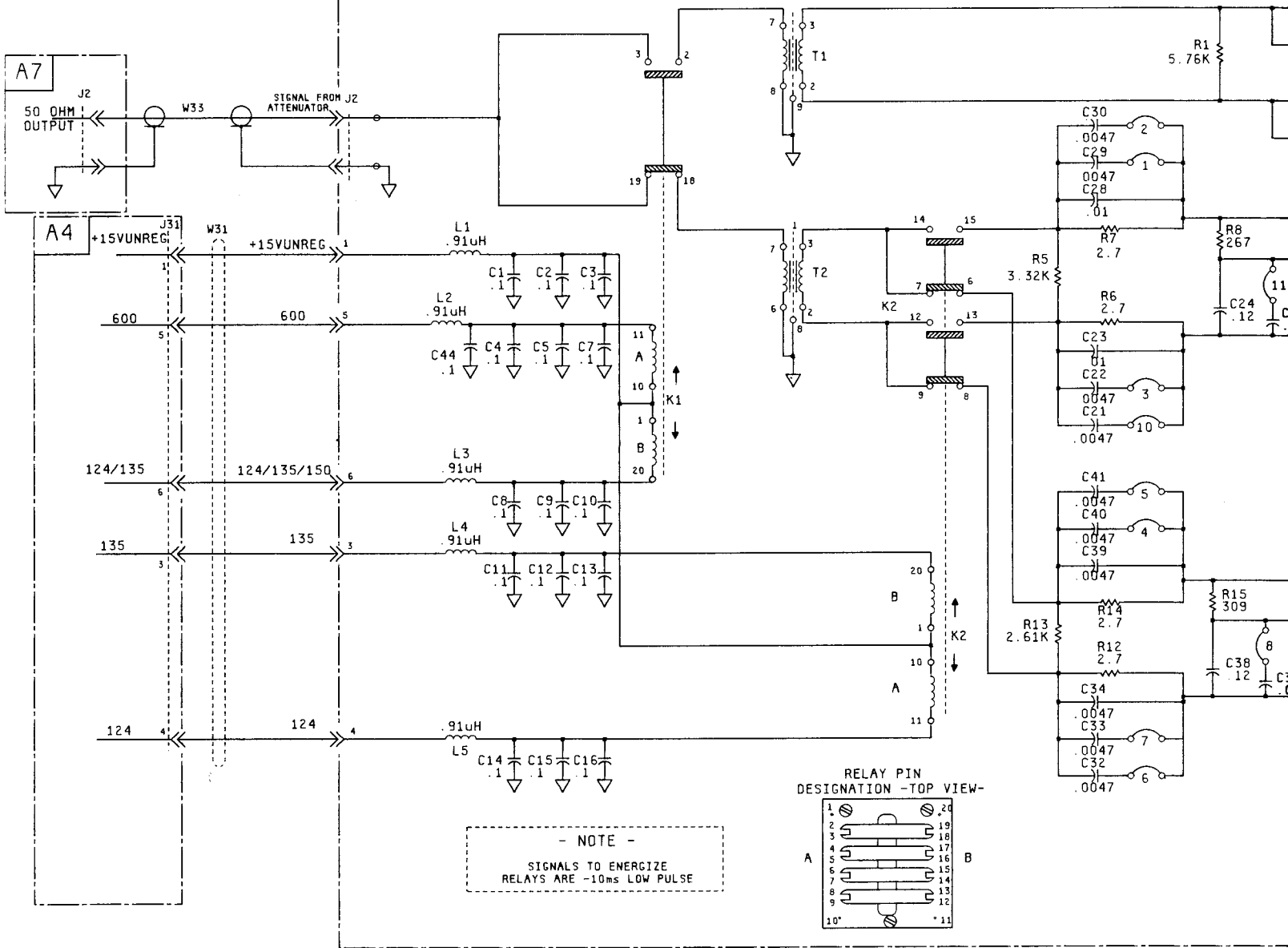
Figure 8-17. 3336A Balanced Outputs, A11.
 8-35/8-36



A10
 03336-66510

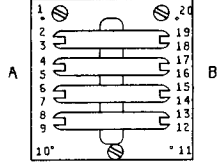
A10

03336-66510
3336B BALANCED OUTPUTS



- NOTE -
SIGNALS TO ENERGIZE
RELAYS ARE -10ms LOW PULSE

RELAY PIN
DESIGNATION -TOP VIEW-



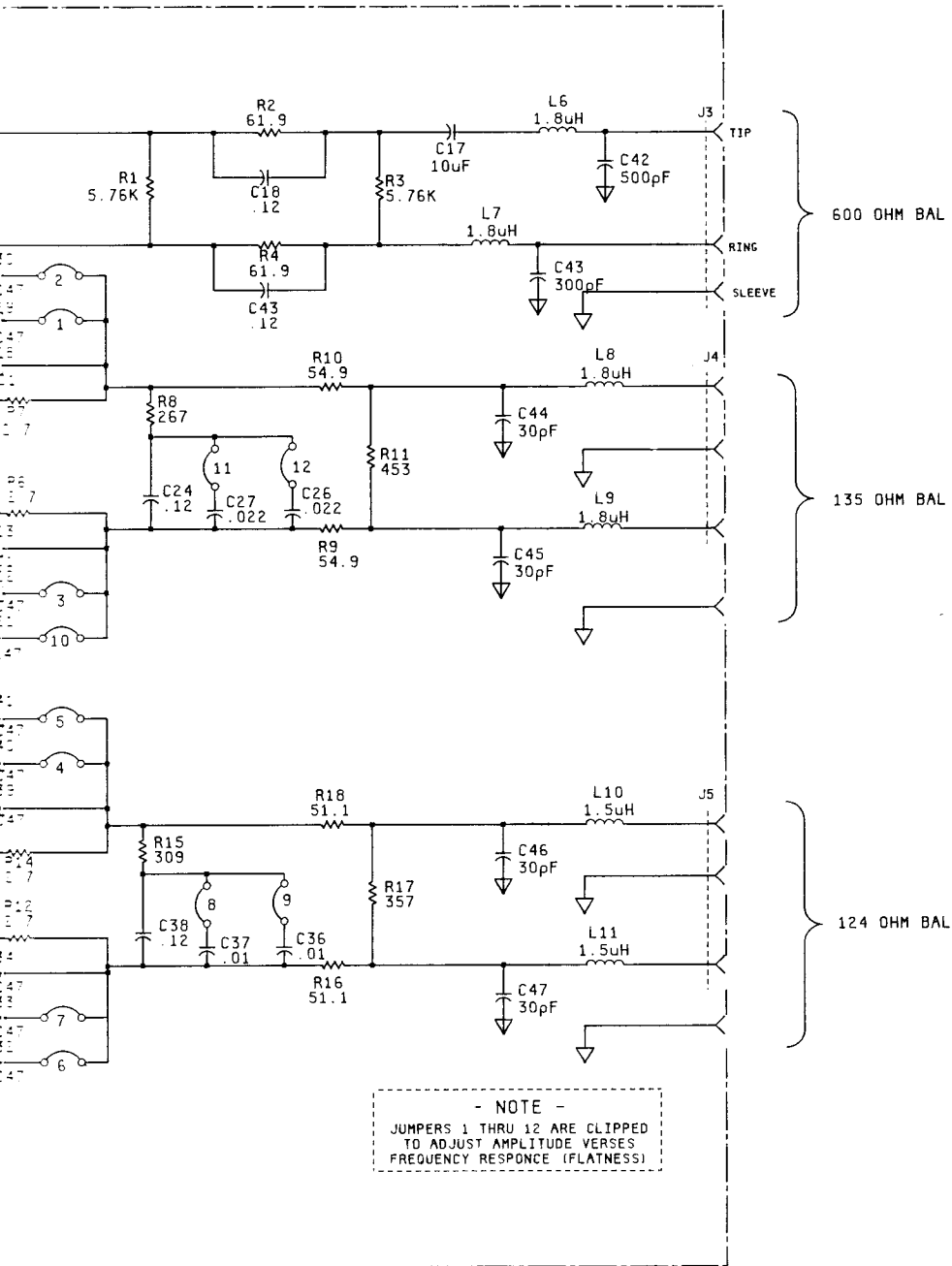
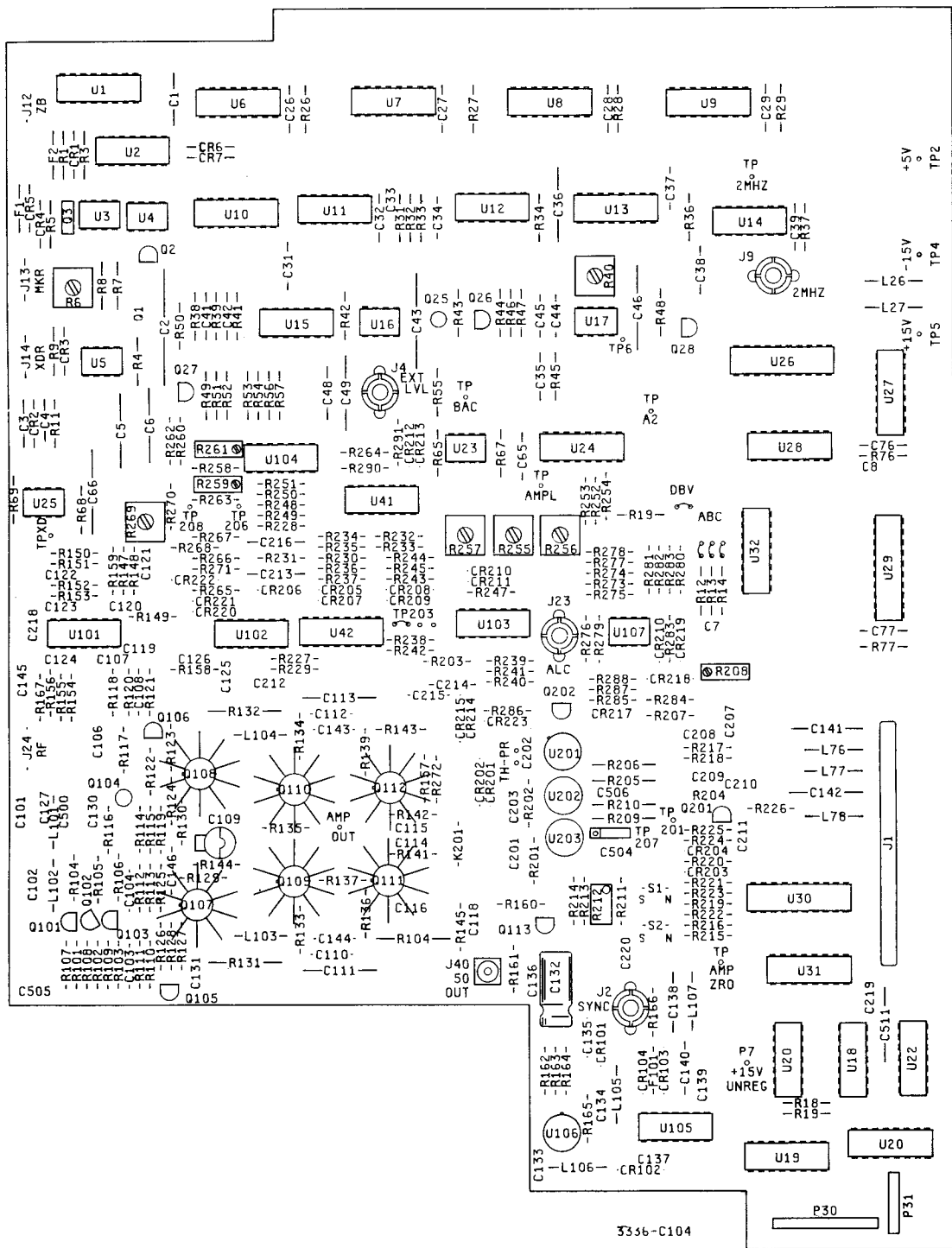
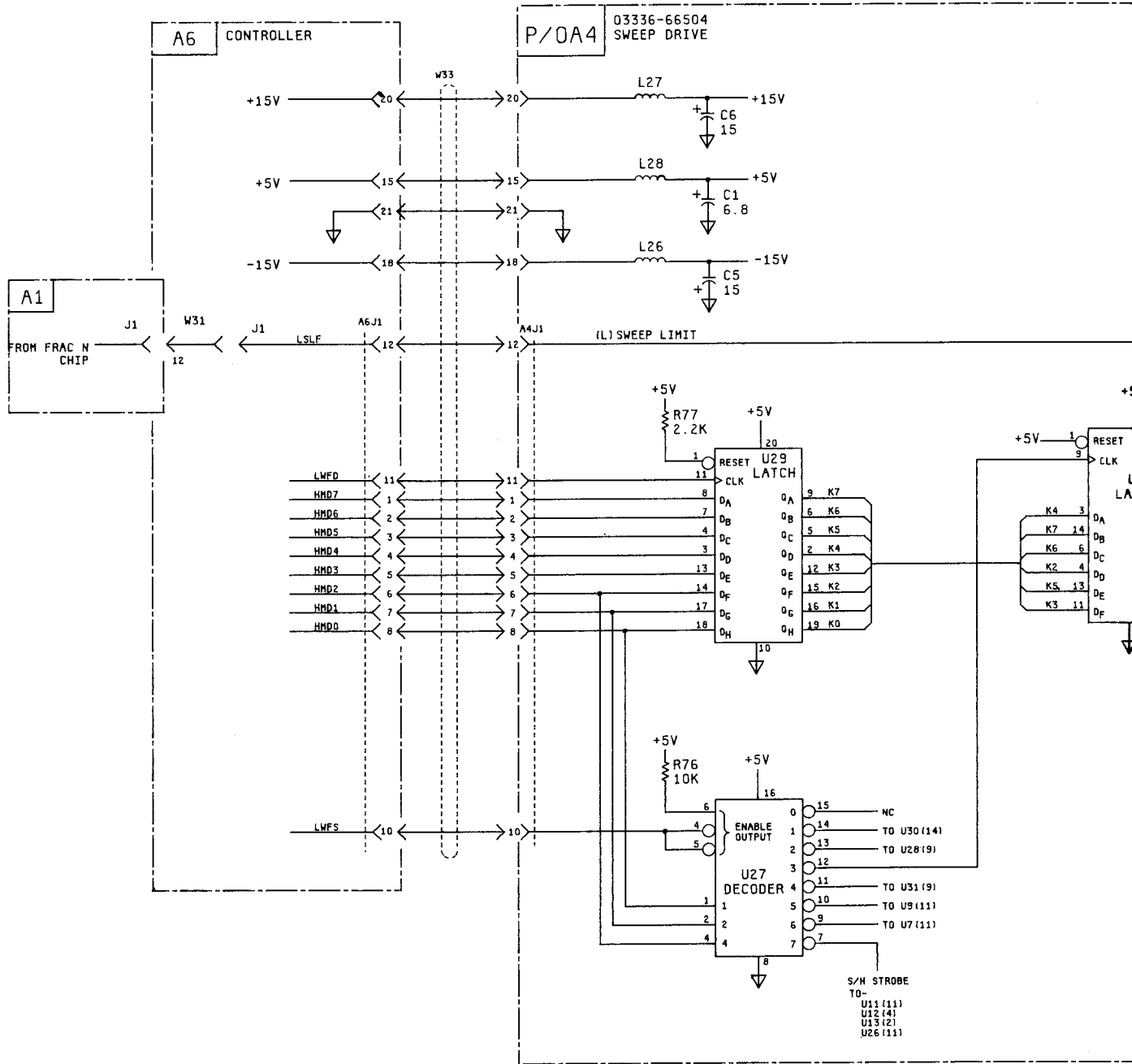


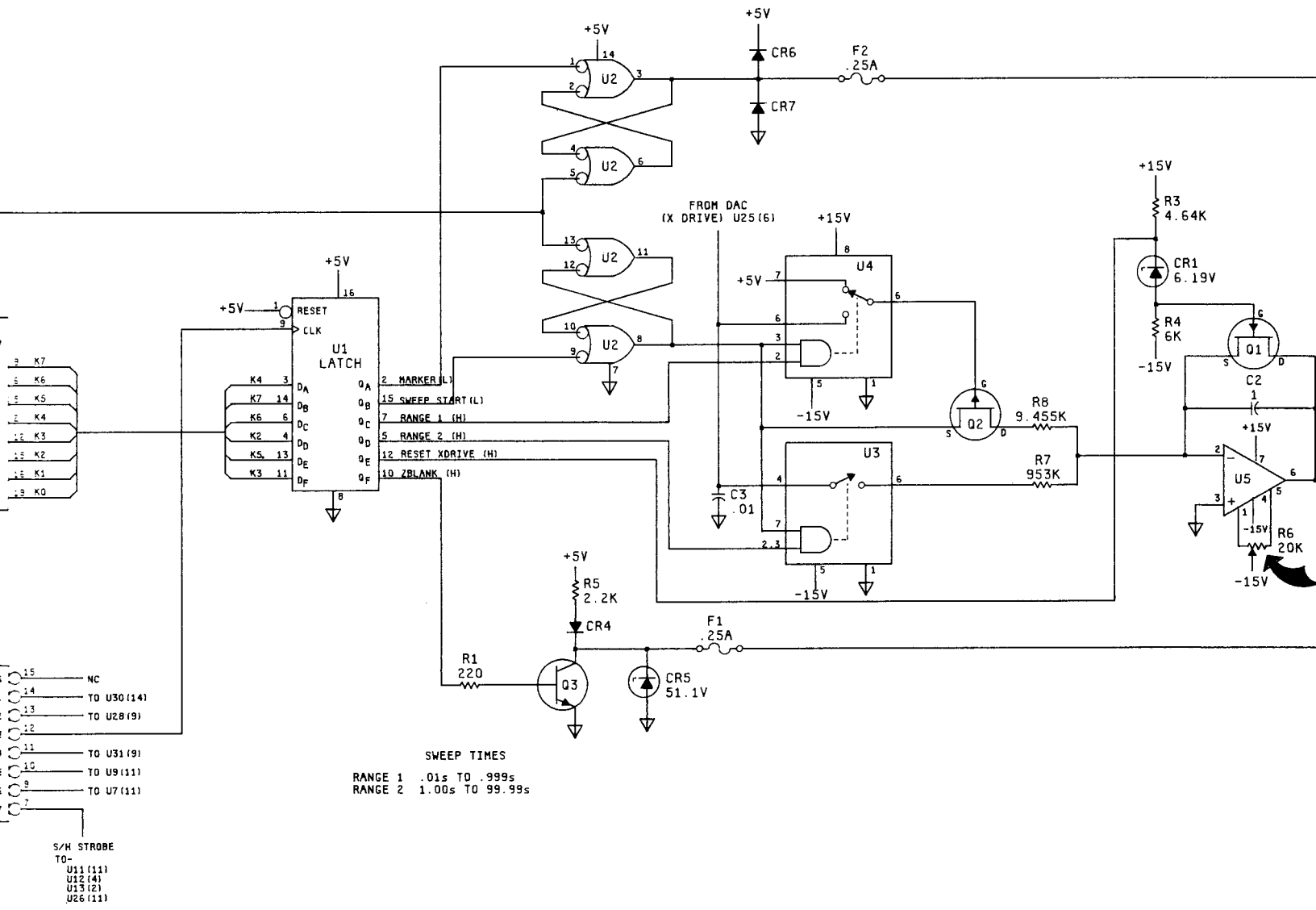
Figure 8-18. 3336B Balanced Outputs, A10.
 8-37/8-38



3336-C104

A4
03336-66504





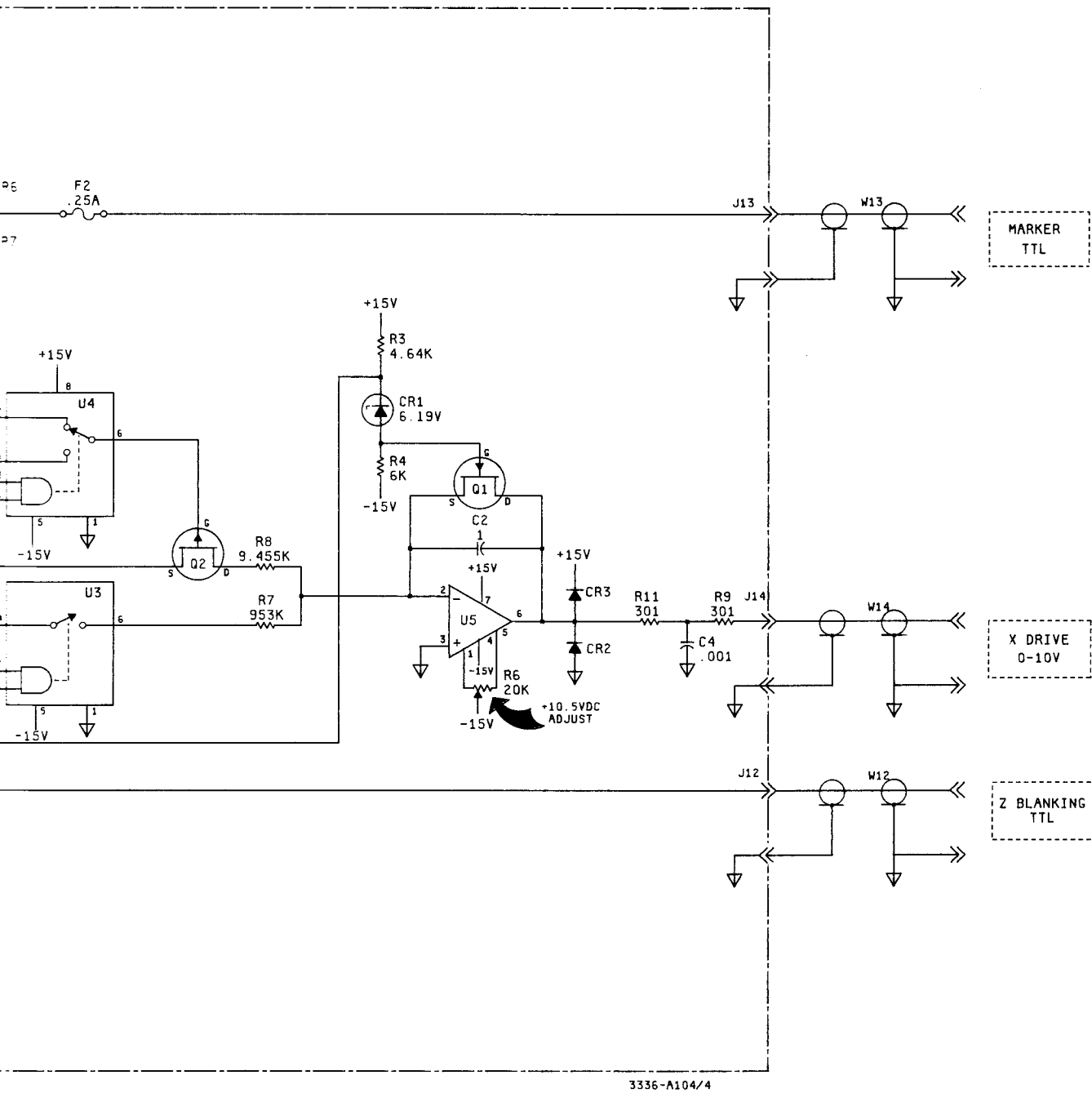
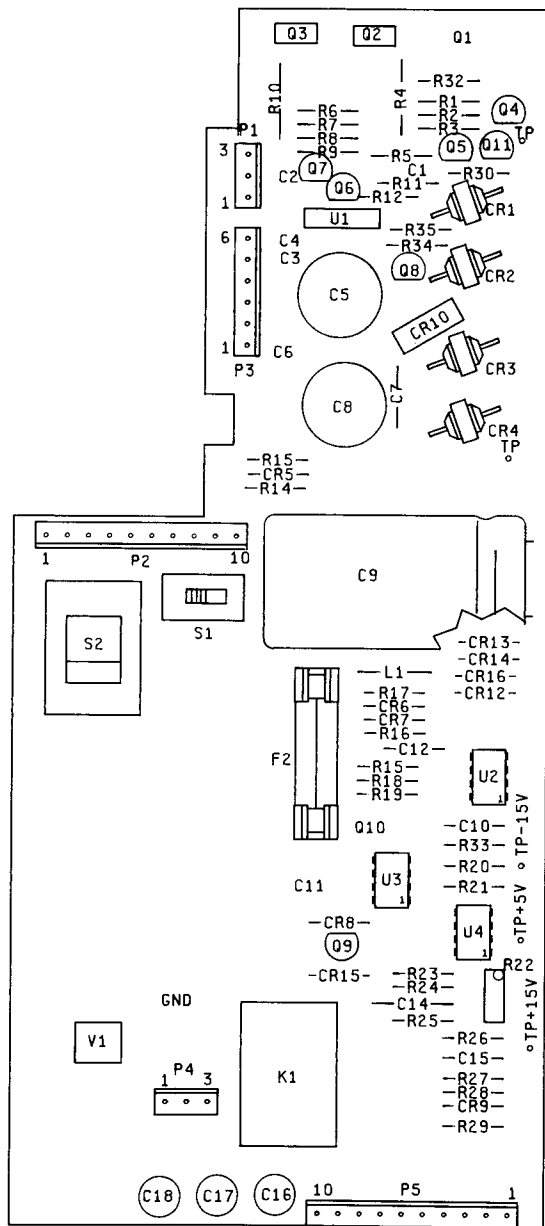
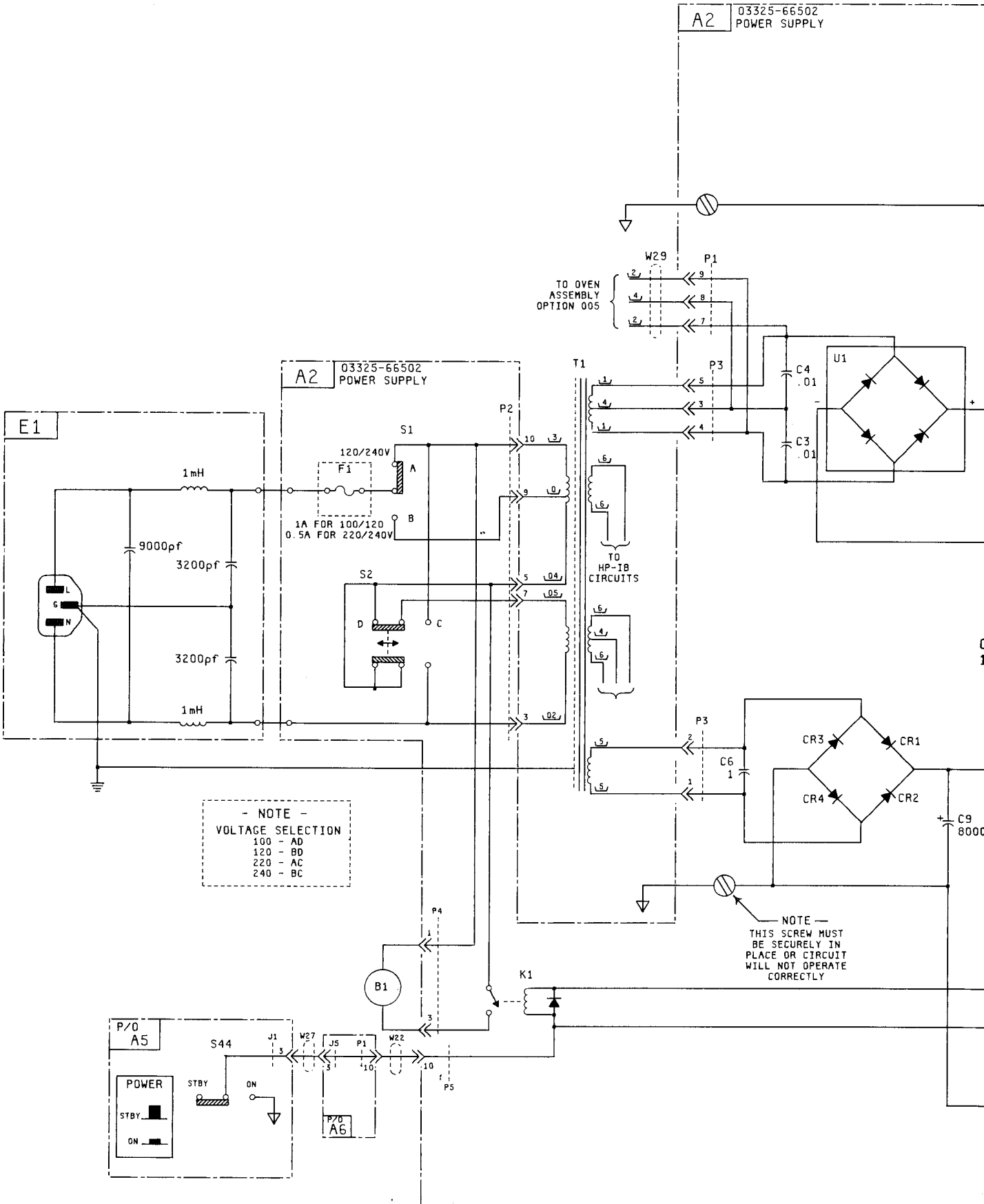


Figure 8-19. Sweep Drive Circuits, A4.
8-39/8-40



3336A-102C

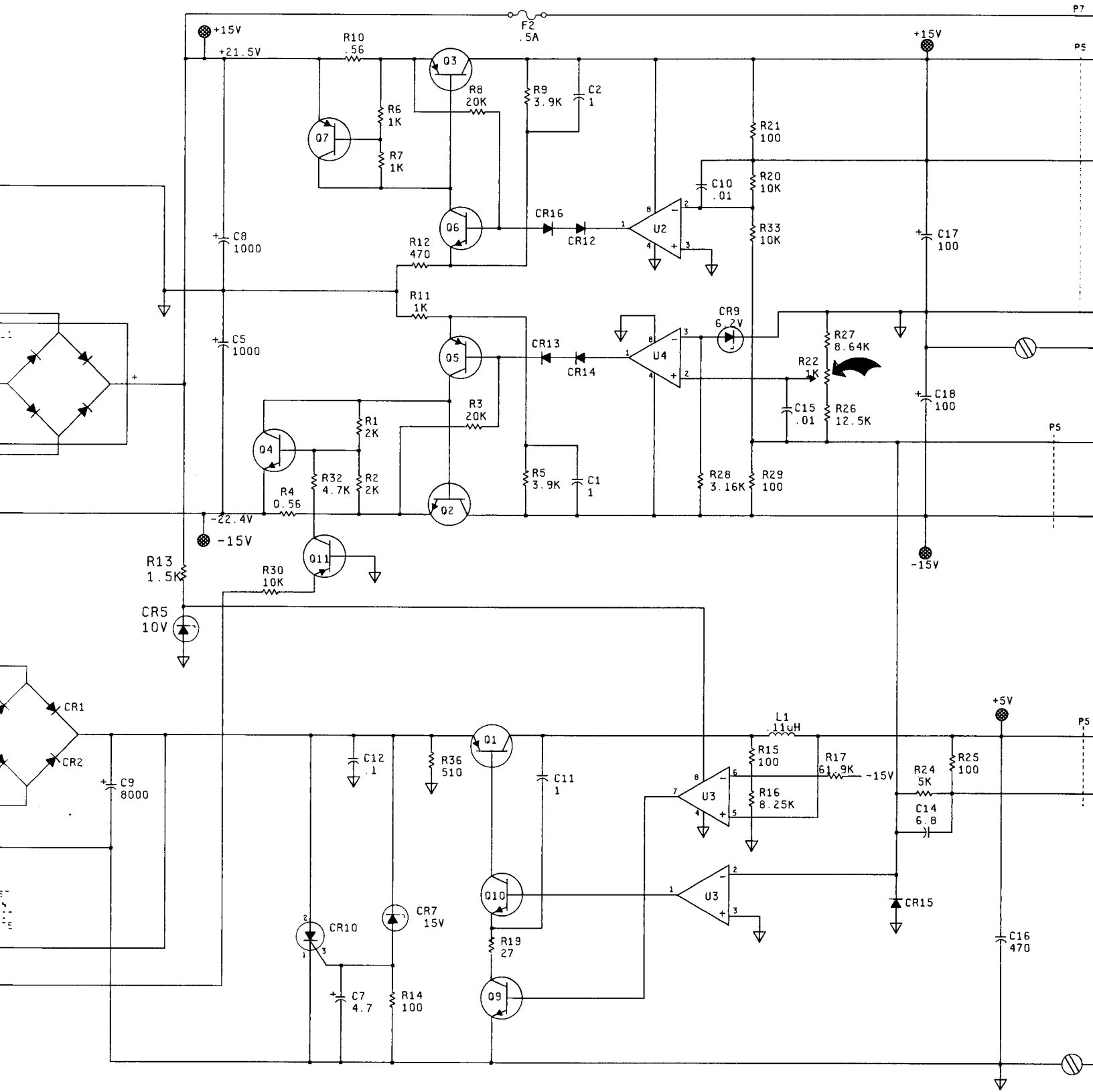
A2
03325-66502

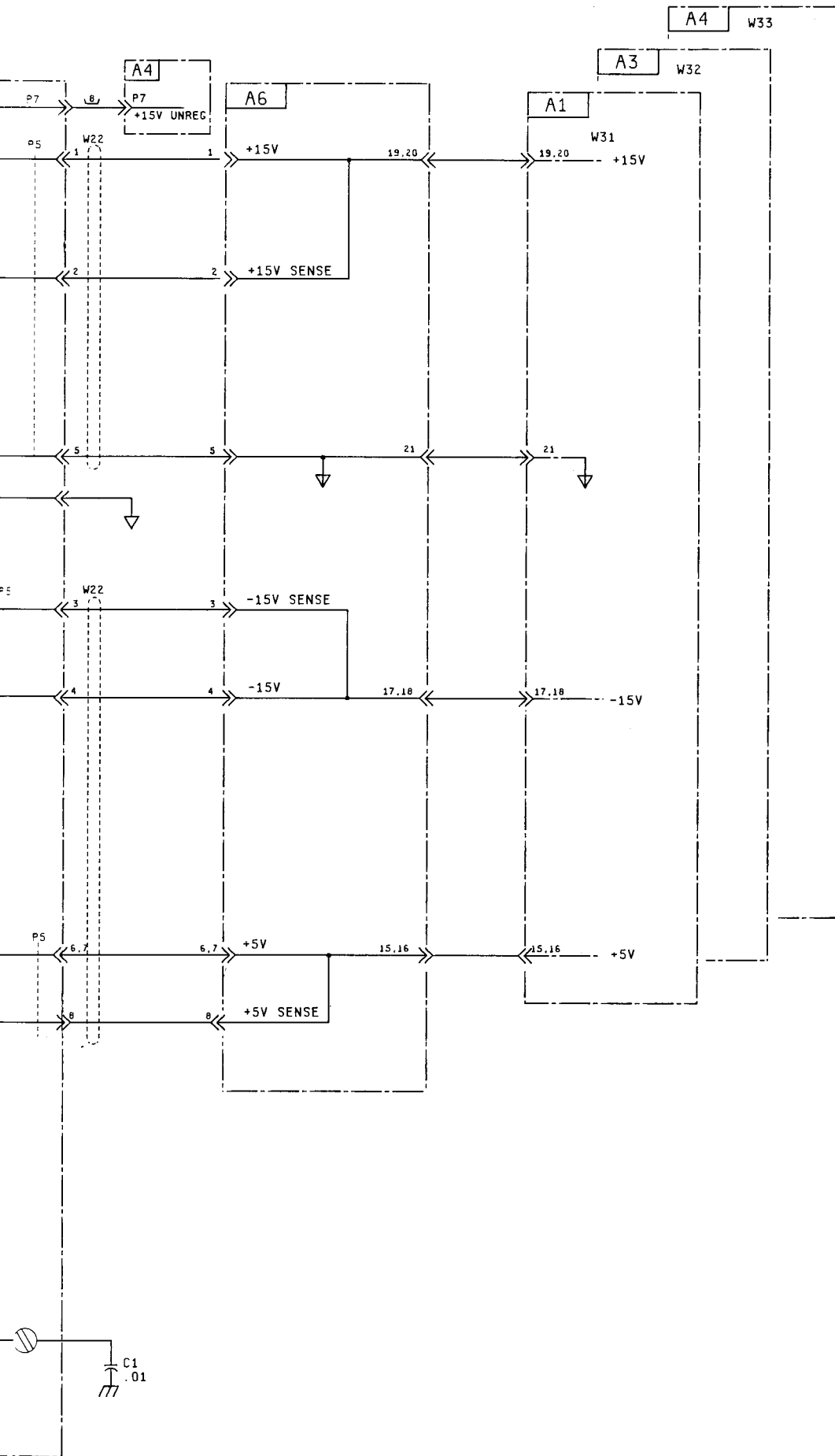


- NOTE -
 VOLTAGE SELECTION
 100 - AD
 120 - BD
 220 - AC
 240 - BC

NOTE -
 THIS SCREW MUST
 BE SECURELY IN
 PLACE OR CIRCUIT
 WILL NOT OPERATE
 CORRECTLY

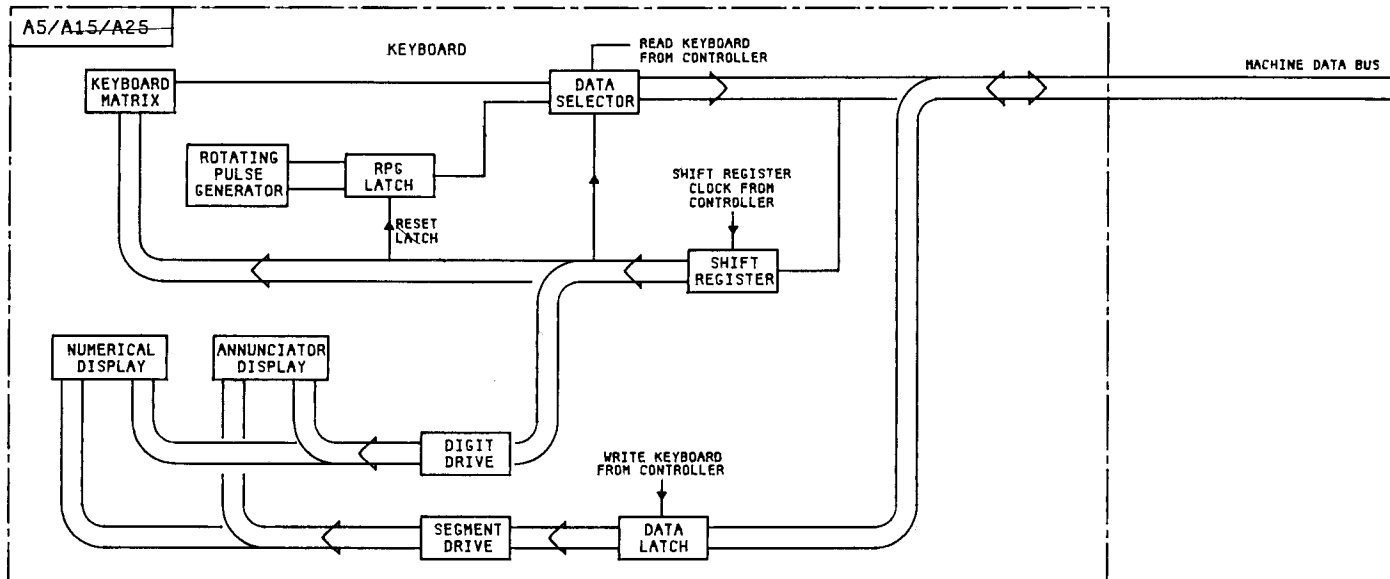
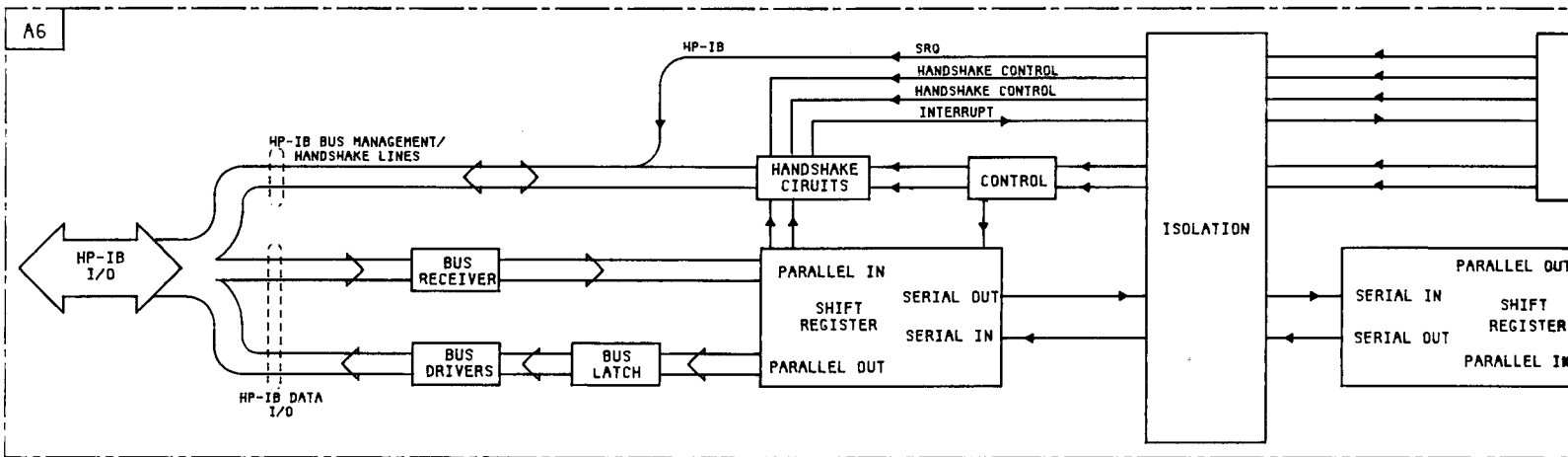
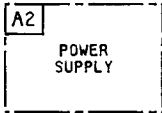
A2 03325-66502
 POWER SUPPLY

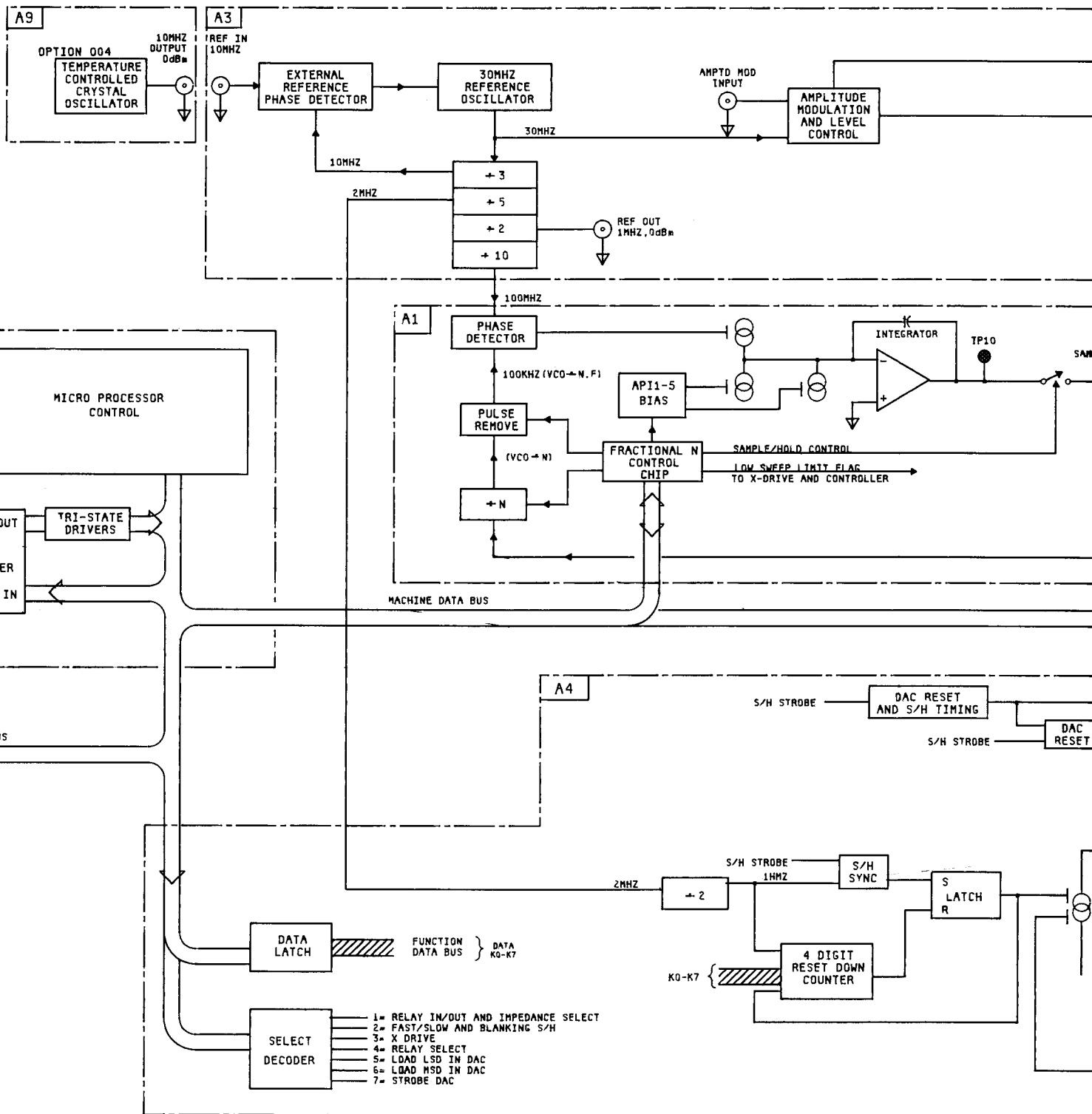


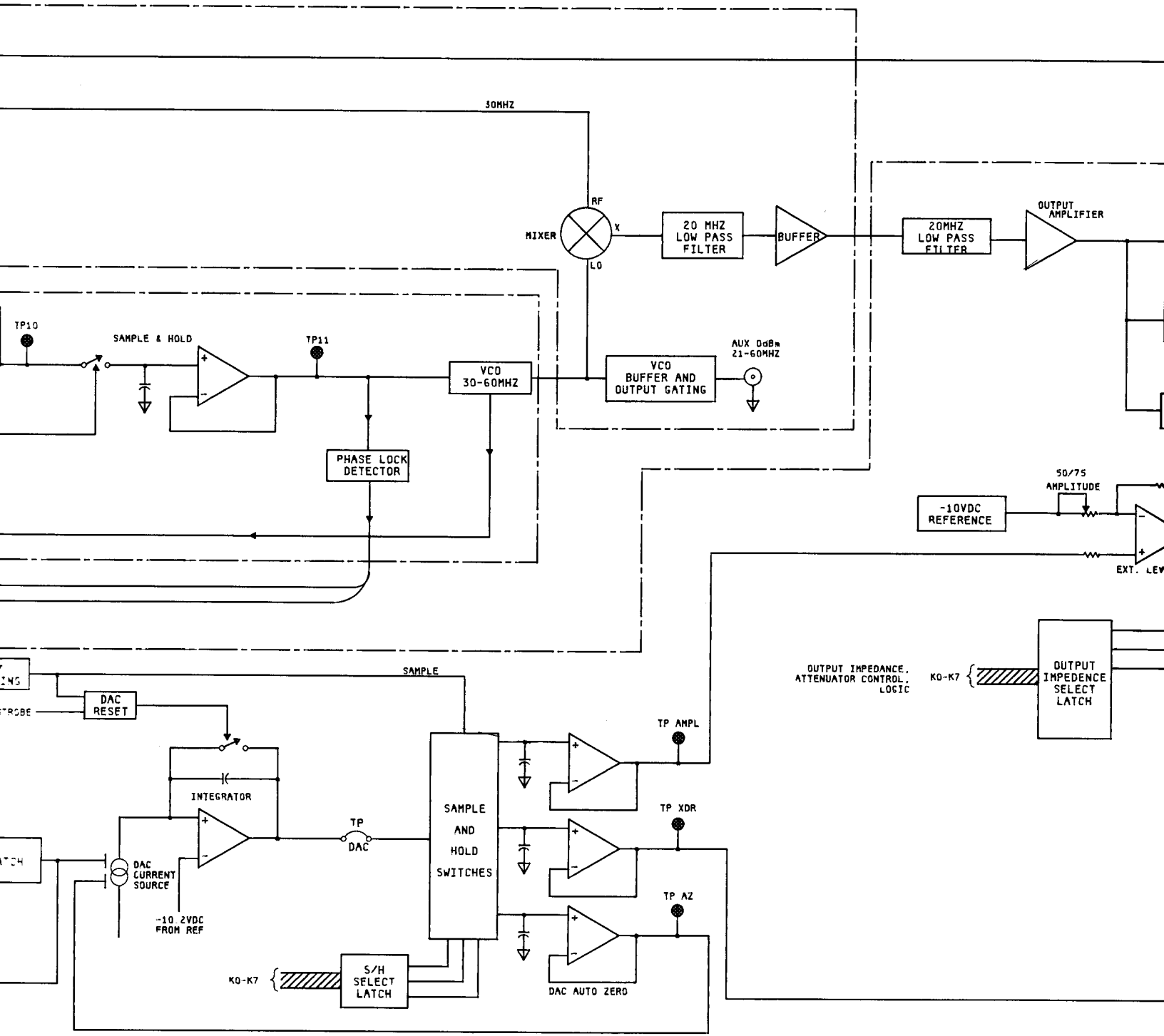


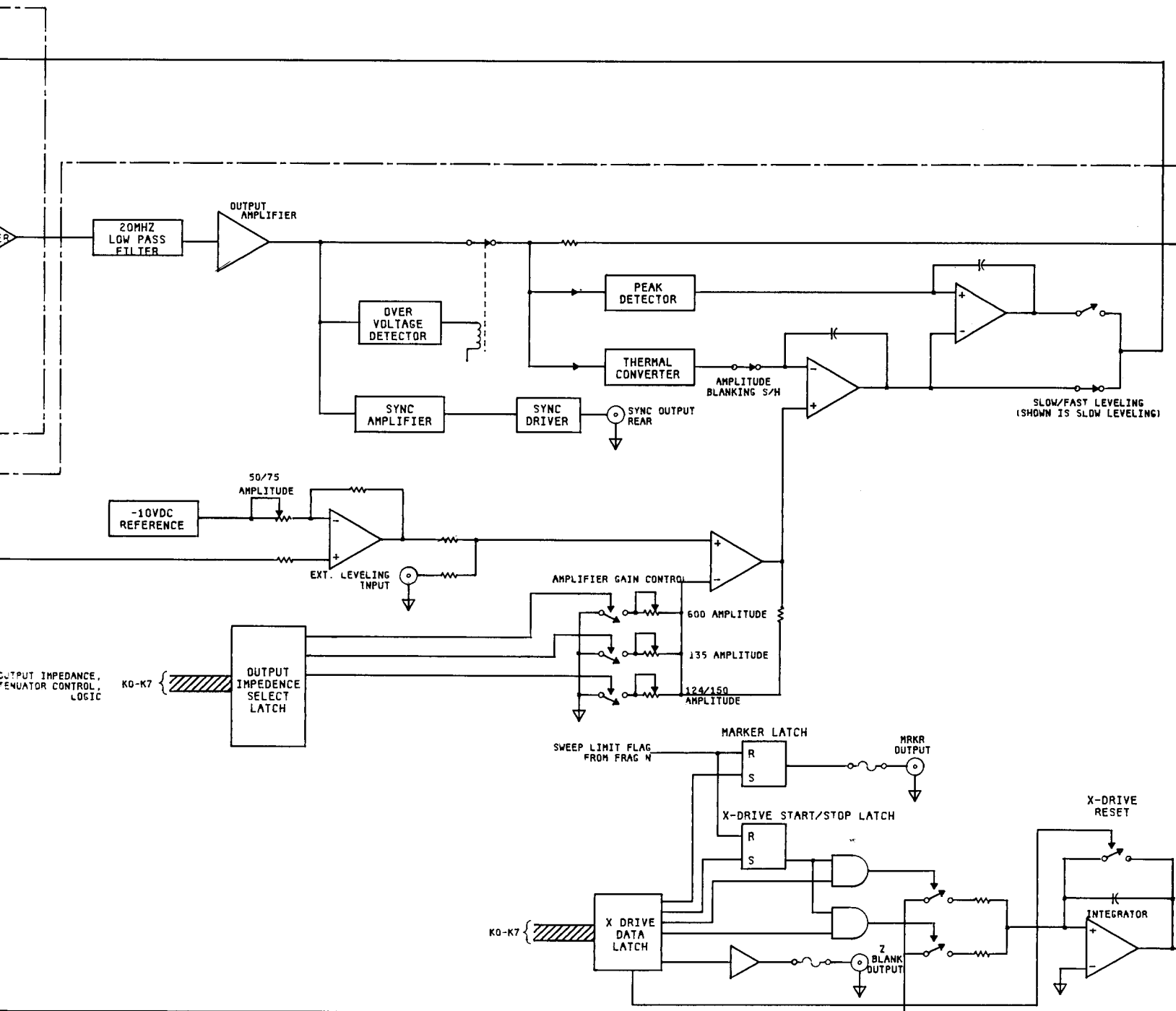
E-A102

Figure 8-20. Power Supply, A2.
8-41/8-42









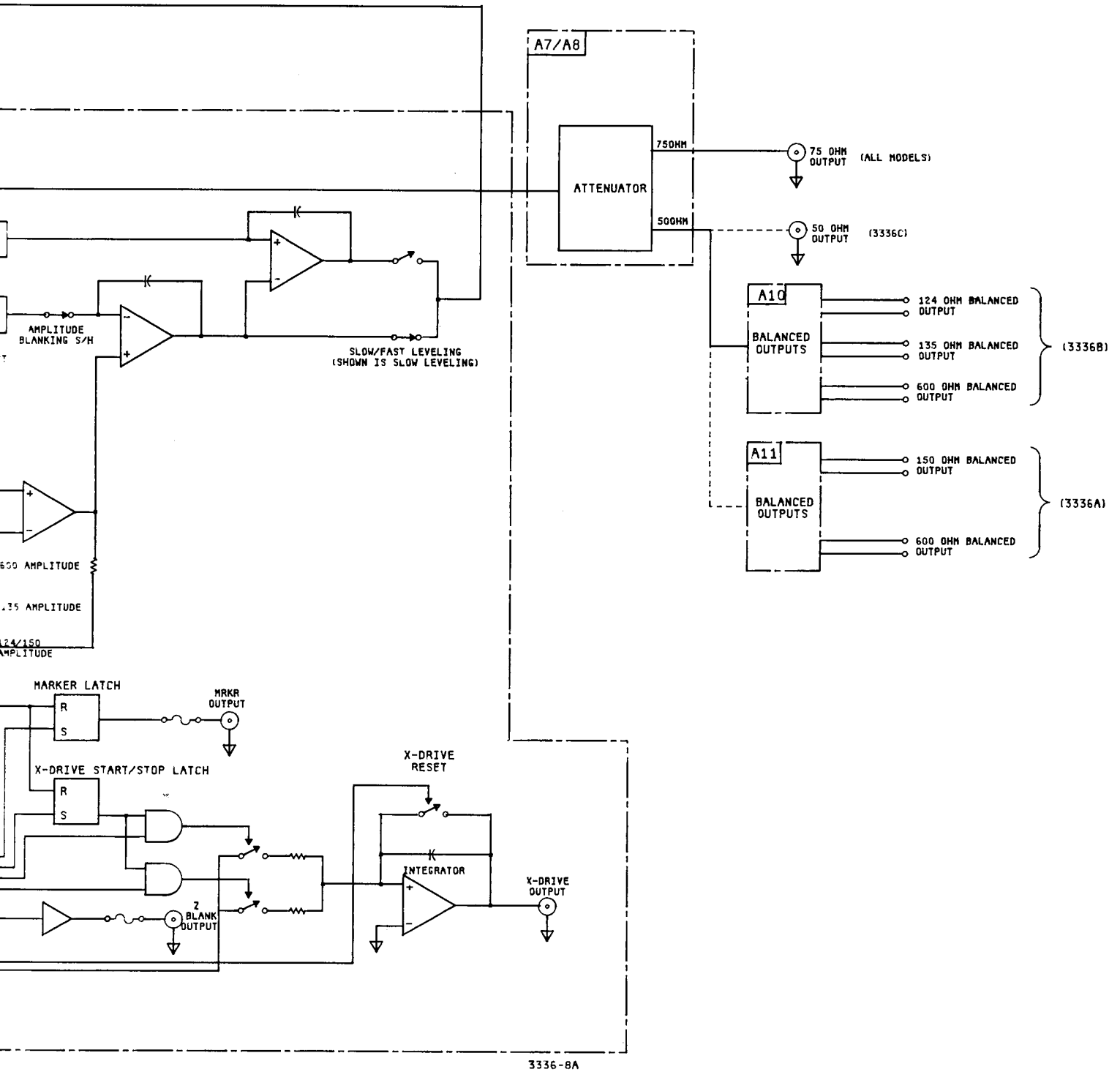


Figure 8-21. 3336A/B/C Block Diagram.
8-43/8-44