

SECTION VI REPLACEABLE PARTS

6-1. INTRODUCTION.

6-2. This section contains information for ordering replacement parts. Table 6-3 lists parts in alphameric order of their reference designators and indicates the description, -hp- Part Number of each part, together with any applicable notes, and provides the following:

a. Total quantity used in the instrument (Qty column). The total quantity of a part is given the first time the part number appears.

b. Description of the part. (See abbreviations listed in Table 6-1.)

c. Typical manufacturer of the part in a five-digit code. (See Table 6-2 for list of manufacturers.)

d. Manufacturers part number.

6-3. Miscellaneous parts are listed at the end of Table 6-3.

6-4. ORDERING INFORMATION.

6-5. To obtain replacement parts, address order or

inquiry to your local Hewlett-Packard Field Office.

(Field Office locations are listed at the back of the manual.) Identify parts by their Hewlett-Packard part numbers. Include instrument model and serial numbers.

6-6. NON-LISTED PARTS.

6-7. To obtain a part that is not listed, include:

- a. Instrument model number.
- b. Instrument serial number.
- c. Description of the part.
- d. Function and location of the part.

6-8. PARTS CHANGES.

6-9. Components which have been changed are so marked by one of three symbols; i.e., Δ , Δ with a letter subscript, e.g., Δ_a , or Δ with a number subscript, e.g., Δ_{10} . A Δ with no subscript indicates the component listed is the preferred replacement for an earlier component. A Δ with a letter subscript indicates a change which is explained in a note at the bottom of the page. A Δ with a number subscript indicates the related change is discussed in backdating (Section VII). The

Table 6-1. Standard Abbreviations.

ABBREVIATIONS			
Ag	silver	Hz	hertz (cycle(s) per second)
Al	aluminum	ID	inside diameter
A	ampere(s)	imp	impregnated
Au	gold	incd	incandescent
C	capacitor	ins	insulation(ed)
cer	ceramic	k Ω	kilohm(s) = 10^3 ohms
coef	coefficient	kHz	kilohertz = 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	M Ω	megohm(s) = 10^6 ohms
elect	electrolytic	met flm	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	μ F	microfarad(s)
GHz	gigahertz = 10^9 hertz	μ s	microsecond(s)
gd	guard(ed)	μ V	microvolt(s) = 10^{-6} volts
Ge	germanium	mv	Mylar®
gnd	ground(ed)	nA	nanampere(s) = 10^{-9} amperes
H	henry(ies)	NC	normally closed
Hg	mercury	Ne	neon
		NO	normally open
DESIGNATORS			
A	assembly	FL	filter
B	motor	HR	heater
BT	battery	IC	integrated circuit
C	capacitor	J	jack
CR	diode	K	relay
DL	delay line	L	inductor
DS	lamp	M	meter
E	misc electronic part	MP	mechanical part
F	fuse	P	p/ug
		Q	transistor
		QCR	transistor-diode
		R	resistor
		RT	thermistor
		S	switch
		T	transformer
		TB	terminal board
		TC	thermocouple
		TP	test point
		d	slide
		SPDT	single-pole double-throw
		SPST	single-pole single-throw
		Ta	tantalum
		TC	temperature coefficient
		TiO ₂	titanium dioxide
		tol	toggle
		tol	tolerance
		trim	trimmer
		TSTR	transistor
		V	volt(s)
		vacw	alternating current working voltage
		var	variable
		vdw	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
		TS	terminal strip
		U	microcircuit
		V	vacuum tube, neon bulb, photocell, etc.
		W	wire
		X	socket
		XDS	lampholder
		XF	fuseholder
		Y	crystal
		Z	network

number of the subscript indicates the number of the change in backdating which should be referred to.

6-10. PROPRIETARY PARTS.

6-11. Items marked by a dagger (†) in the reference designator column are available only for repair and service of Hewlett-Packard Instruments.

Table 6-2. Code List of Manufacturers.

Mfr. No.	Manufacturer Name	Address
01121	Allen-Bradley Co.	Milwaukee, WI 53204
01928	RCA Corp Solid State Div	Somerville, NJ 08876
03888	KDI Pyrofilm Corp	Whippany, NJ 07981
04713	Motorola Semiconductor Products	Phoenix, AZ 85062
06001	GE Co Elek Cap & Bat Prod Dept	Irmo, SC 29063
13103	Thermalloy Co	Dallas, TX 75234
17856	Siliconix Inc	Santa Clara, CA 95054
18178	Vactec Inc	Maryland Hgts, MO 63043
19701	Mepco/Electra Corp	Mineral Wells, TX 67067
24546	Corning Glass Works (Bradford)	Bradford, PA 16701
27014	National Semiconductor Corp	Santa Clara, CA 95051
28480	Hewlett-Packard Co Corporate Hq	Palo Alto, CA 94304
34371	Harris Semicon Div Harris-Intertype	Melbourne, FL 32901
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
75915	Littlefuse Inc	Des Plaines, IL 60016
91637	Dale Electronics Inc	Columbus, NE 68601

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A1	00339-06501	1	PC ASSEMBLY, OSCILLATOR	24460	00339-06501
A1C1	0160-4601	1	CAPACITOR-FXD .56UF +-1% 200VDC	24460	0160-4601
A1C2	0160-4600	1	CAPACITOR-FXD .56UF +-1% 200VDC	24460	0160-4600
A1C3	0160-4596	1	CAPACITOR-FXD .056UF +-7% 200VDC	24460	0160-4596
A1C4	0160-4595	1	CAPACITOR-FXD 5600PF +-1% 200VDC	24460	0160-4595
A1C5	0160-4594	1	CAPACITOR-FXD 560PF +-1% 200VDC	24460	0160-4594
A1C6	0140-0190	1	CAPACITOR-FXD 39PF +-5% 300VDC	72136	0015E390J0300V1CM
A1C7	0121-0147	2	CAPACITOR-VV TRMR-AIR 2-10, 3PF 350V	74970	190-507-5
A1C10	0160-3622	47	CAPACITOR-FXD .1UF +-20-20% 100VDC CER	24460	0160-3622
A1C11	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	24460	0160-3622
A1C12	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	24460	0160-3622
A1C13	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	24460	0160-3622
A1C14	0160-0363	2	CAPACITOR-FXD 620PF +-5% 300VDC MICAU+7U	24460	0160-0363
A1C15	0160-2201	7	CAPACITOR-FXD 51PF +-5% 300VDC	24460	0160-2201
A1C16	0160-2244	3	CAPACITOR-FXD 3PF +-25PF 500VDC	24460	0160-2244
A1C17	0160-2306	3	CAPACITOR-FXD 27PF +-5% 300VDC	24460	0160-2306
A1C20 ΔA					
A1C21	0180-1745	1	CAPACITOR-FXD 1.5UF+-10% 20VDC TA	0420J	150D155X9020A2
A1C22	0180-0195	1	CAPACITOR-FXD .33UF+-20% 35VDC TA	0420J	150D334X0035A2
A1C23	0180-0218	1	CAPACITOR-FXD .15UF+-10% 35VDC TA	0420J	150D154X9035A2
A1C24	0160-0194	1	CAPACITOR-FXD .015UF +-10% 200VDC POLYE	0420J	292P15392
A1C25	0180-1704	7	CAPACITOR-FXD 47UF+-10% 6VDC TA	0420J	150D476X9006B2
A1C26	0180-0374	7	CAPACITOR-FXD 10UF+-10% 20VDC TA	0420J	150D106X9020B2
A1C27	0180-0291	6	CAPACITOR-FXD 1UF+-10% 35VDC TA	0420J	150D105X9035A2
A1C28	0180-1743	1	CAPACITOR-FXD .1UF+-10% 35VDC TA	0420J	150D104X9035A2
A1C30	0180-0106	1	CAPACITOR-FXD 60UF+-20% 6VDC TA	0420J	150D606X0006B2
A1C32	0160-2306		CAPACITOR-FXD 27PF +-5% 300VDC	24460	0160-2306
A1C35	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	24460	0160-3622
A1C40	0180-0387	3	CAPACITOR-FXD 47UF+-5% 20VDC TA	0420J	150D476X5020R2
A1C41	0180-0387		CAPACITOR-FXD 47UF+-5% 20VDC TA	0420J	150D476X5020H2
A1C42	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	24460	0160-3622
A1C43	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	24460	0160-3622
A1C44	0160-2244		CAPACITOR-FXD 3PF +-25PF 500VDC	24460	0160-2244
A1C45	0160-2306		CAPACITOR-FXD 27PF +-5% 300VDC	24460	0160-2306
A1C46	0160-0363		CAPACITOR-FXD 620PF +-5% 300VDC MICAU+7U	24460	0160-0363
A1C47	0160-0362	2	CAPACITOR-FXD 510PF +-5% 300VDC MICAU+7U	24460	0160-0362
A1C48	0160-0362		CAPACITOR-FXD 510PF +-5% 300VDC MICAU+7U	24460	0160-0362
A1C49	0160-2261	2	CAPACITOR-FXD 15PF +-5% 500VDC CERU+-3U	24460	0160-2261
A1CR1 ΔA					
A1CR2	1901-0518	3	DIODE-SCHOTTKY	28480	1901-0518
A1CR3	1901-0040	19	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A1CR4	1901-0518		DIODE-SCHOTTKY	28480	1901-0518
A1CR7	1901-0040		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A1CR8	1901-0040		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A1CR10	1901-0025	6	DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
A1CR11	1902-0029	2	DIODE-ZNR 12.1V 5% DO-15 PD=1W TC=+.064X	28480	1902-0029
A1CR12	1901-0025		DIODE-GEN PNP 100V 200MA DO-7	28480	1901-0025
A1CR13	1902-0029		DIODE-ZNR 12.1V 5% DO-15 PD=1W TC=+.064X	28480	1902-0029
A1CR14	1901-0040		DIODE-SWITCHING 30V 2NS 50MA DO-35	28480	1901-0040
A1J1	1251-3192	3	CONNECTOR 3-PIN M POST TYPE	27264	09-60-1031(2403-03A)
A1J2	1251-3192		CONNECTOR 3-PIN M POST TYPE	27264	09-60-1031(2403-03A)
A1J3	1251-3196	2	CONNECTOR 8-PIN M POST TYPE	27264	09-60-1081(2403-08A)
A1J4	1251-0513	1	CONNECTOR 5-PIN M POST TYPE	27264	09-60-1051
A1J5	1251-2969	12	CONNECTOR 1PHONG, SINGLE JACK	27260	15-24-0501
A1J6	1251-3618	3	CONNECTOR 2-PIN M POST TYPE	27264	09-60-1021
A1K1	0490-1137	2	RELAY, REED	24460	0490-1137
A1Q1 ΔA					
A1Q2	1855-0265	1	TRANSISTOR FET VCR2N	28460	1855-0265
A1R1	0699-0025	2	RESISTOR 28.42K .25% .125W F TC=0+-50	24460	0699-0025
A1R2	0699-0025		RESISTOR 28.42K .25% .125W F TC=0+-50	24460	0699-0025
A1R3	0699-0026	2	RESISTOR 14.21K .25% .125W F TC=0+-50	24460	0699-0026
A1R4	0699-0026		RESISTOR 14.21K .25% .125W F TC=0+-50	24460	0699-0026
A1R5	0699-0027	2	RESISTOR 9.474K .25% .125W F TC=0+-50	24460	0699-0027
A1R6	0699-0027		RESISTOR 9.474K .25% .125W F TC=0+-50	24460	0699-0027
A1R7	0699-0028	2	RESISTOR 7.105K .25% .125W F TC=0+-50	24460	0699-0028
A1R8	0699-0028		RESISTOR 7.105K .25% .125W F TC=0+-50	24460	0699-0028
A1R9	0699-0040	4	RESISTOR 5.684K .25% .125W F TC=0+-50	01070	8
A1R10	0699-0040		RESISTOR 5.684K .25% .125W F TC=0+-50	01070	8
A1R11	0699-0040		RESISTOR 5.684K .25% .125W F TC=0+-50	01070	8
A1R12	0699-0040		RESISTOR 5.684K .25% .125W F TC=0+-50	01070	8
A1R13	0699-0035	2	RESISTOR 284.2K .25% .125W F TC=0+-50	01070	8
A1R14	0699-0035		RESISTOR 284.2K .25% .125W F TC=0+-50	01070	8
A1R15	0699-0036	2	RESISTOR 142.1K .25% .125W F TC=0+-50	01070	8

See introduction to this section for ordering information

6-3

ΔA The oscillator circuit has been changed beginning with serial number 1730A00266. For instruments with lower serial numbers, refer to Section VII.

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A1R16	0699-0036	2	RESISTOR 142.1K .25% .125W F TC=0+-50	01070	A
A1R17	0699-0031		RESISTOR 94.74K .25% .125W F TC=0+-50	01070	A
A1R18	0699-0031		RESISTOR 94.74K .25% .125W F TC=0+-50	01070	A
A1R19	0699-0032		RESISTOR 71.05K .25% .125W F TC=0+-50	01070	A
A1R20	0699-0032		RESISTOR 71.05K .25% .125W F TC=0+-50	01070	A
A1R21	0699-0033	2	RESISTOR 56.84K .25% .125W F TC=0+-50	01070	A
A1R22	0699-0033		RESISTOR 56.84K .25% .125W F TC=0+-50	01070	A
A1R23, R24	0698-4530		RESISTOR 232K 1% .125W F TC=0+-100	03298	C4-1/8-T0=2321-F
A1R27	0698-3518		RESISTOR 7.32K 1% .125W F TC=0+-100	03298	C4-1/8-T0=7321-F
A1R28	0698-3492		RESISTOR 2.07K 1% .125W F TC=0+-100	03298	C4-1/8-T0=2671-F
A1R29	0757-0401	8	RESISTOR 100 1% .125W F TC=0+-100	03298	C4-1/8-T0=101-F
A1R30	2100-0567		RESISTOR-TRMR 2K 10% C TOP-ADJ 1-TRN	73106-0	72-106-0
A1R31	0698-4438		RESISTOR 3.09K 1% .125W F TC=0+-100	03298	C4-1/8-T0=3091-F
A1R32 Δ A					
A1R33 Δ A					
A1R34	0698-4440	2	RESISTOR 3.4K 1% .125W F TC=0+-100	03298	C4-1/8-T0=3401-F
A1R35	0698-3279		RESISTOR 4.99K 1% .125W F TC=0+-100	03298	C4-1/8-T0=4991-F
A1R36	0698-5094		RESISTOR 5.1M 5% .25W FC TC=900/+1100	0160G	CB5155
A1R37	0757-0401		RESISTOR 100 1% .125W F TC=0+-100	03298	C4-1/8-T0=101-F
A1R40	0757-0472		RESISTOR 200K 1% .125W F TC=0+-100	03298	C4-1/8-T0=2003-F
A1R41	0698-3228	11	RESISTOR 49.9K 1% .125W F TC=0+-100	0160G	CC
A1R42	0757-0402		RESISTOR 10K 1% .125W F TC=0+-100	03298	C4-1/8-T0=1002-F
A1R43	0757-0402		RESISTOR 10K 1% .125W F TC=0+-100	03298	C4-1/8-T0=1002-F
A1R44	0757-0416		RESISTOR 511 1% .125W F TC=0+-100	03298	C4-1/8-T0=511R-F
A1R45	0757-0442		RESISTOR 10K 1% .125W F TC=0+-100	03298	C4-1/8-T0=1002-F
A1R46	0698-3279	5	RESISTOR 4.99K 1% .125W F TC=0+-100	03298	C4-1/8-T0=4991-F
A1R50	0757-0283		RESISTOR 2K 1% .125W F TC=0+-100	03298	C4-1/8-T0=2001-F
A1R51	0757-0283		RESISTOR 2K 1% .125W F TC=0+-100	03298	C4-1/8-T0=2001-F
A1R52	0757-0401		RESISTOR 100 1% .125W F TC=0+-100	03298	C4-1/8-T0=101-F
A1R53	0757-0407		RESISTOR 200 1% .125W F TC=0+-100	03298	C4-1/8-T0=201-F
A1R61	0698-3496	1	RESISTOR 3.57K 1% .125W F TC=0+-100	03298	C4-1/8-T0=357R-F
A1R62	0698-3279		RESISTOR 4.99K 1% .125W F TC=0+-100	03298	C4-1/8-T0=4991-F
A1R63	0698-4870		RESISTOR 604 1% .5W F TC=0+-100	0552D	CMF-65-2
A1R64	0698-4892		RESISTOR 1.87K 1% .5W F TC=0+-100	0552D	CMF-65-2
A1R65	0698-3406		RESISTOR 1.33K 1% .5W F TC=0+-100	0552D	CMF-65-2
A1R66	0698-3479	5	RESISTOR 1.74K 1% .5W F TC=0+-100	0552D	CMF-65-2
A1R67	0698-4888		RESISTOR 1.18K 1% .5W F TC=0+-100	0552D	CMF-65-2
A1R68	0698-3479		RESISTOR 1.74K 1% .5W F TC=0+-100	0552D	CMF-65-2
A1R69	0698-4888		RESISTOR 1.18K 1% .5W F TC=0+-100	0552D	CMF-65-2
A1R70	0698-3479		RESISTOR 1.74K 1% .5W F TC=0+-100	0552D	CMF-65-2
A1R71	0698-4888	1	RESISTOR 1.18K 1% .5W F TC=0+-100	0552D	CMF-65-2
A1R72	0698-3479		RESISTOR 1.74K 1% .5W F TC=0+-100	0552D	CMF-65-2
A1R73	0698-4888		RESISTOR 1.18K 1% .5W F TC=0+-100	0552D	CMF-65-2
A1R74	0698-3479		RESISTOR 1.74K 1% .5W F TC=0+-100	0552D	CMF-65-2
A1R75	0698-3478		RESISTOR 806 1% .5W F TC=0+-100	0552D	CMF-65-2
A1R76	0698-4870	9	RESISTOR 604 1% .5W F TC=0+-100	0552D	CMF-65-2
A1R78	0757-0401		RESISTOR 100 1% .125W F TC=0+-100	03298	C4-1/8-T0=101-F
A1R80	0757-0280		RESISTOR 1K 1% .125W F TC=0+-100	03298	C4-1/8-T0=1001-F
A186	00339-61902	1	SWITCH ASSEMBLY, MULTIPLIER	28480	00339-61902
A187	3100-3421	1	SWITCH, ROTARY	28480	3100-3421
A188	00339-61903	1	SWITCH ASSEMBLY, UNITS	28480	00339-61903
A189	3100-3422	2	SWITCH, ROTARY	28480	3100-3422
A190	00339-61904	1	SWITCH ASSEMBLY, TENTHS	28480	00339-61904
A191	3100-3422	2	SWITCH, ROTARY	28480	3100-3422
A192	5040-8259	10	SHAFT, EXTENDER	28480	5040-8259
A193	1500-0019	12	COUPLER, RIGID	0510M	120
A1U1	1826-0487	3	IC OP AMP	28480	1826-0487
A1U2	1826-0315	6	IC OP AMP	0340F	LM348N
A1U3 Δ	1826-0487	7	IC OP AMP TO-99	28480	1826-0487
A2	00339-66502	1	PC ASSEMBLY, DETECTOR	28480	00339-66502
A2C1	0160-0163	3	CAPACITOR-FXD .033UF +-10% 200VDC POLYE	0420J	292P33392
A2C2	0160-0163		CAPACITOR-FXD .033UF +-10% 200VDC POLYE	0420J	292P33392
A2C3	0160-0163		CAPACITOR-FXD .033UF +-10% 200VDC POLYE	0420J	292P33392
A2C4	0160-0361		CAPACITOR-FXD 640PF +-1% 300VDC MICAD-70	28480	0160-0361
A2C5	0160-2201		CAPACITOR-FXD 51PF +-5% 300VDC	28480	0160-2201
A2C6	0160-4317	1	CAPACITOR-FXD 1200PF +-1% 100VDC	28480	0160-4317
A2C7	0160-3156		CAPACITOR-FXD 750PF +-1% 300VDC MICAD-70	28480	0160-3156
A2C8	0160-3691		CAPACITOR-FXD 75PF +-1% 100VDC	28480	0160-3691
A2C9	0160-3024		CAPACITOR-FXD 1700PF +-1% 100VDC	28480	0160-3024
A2C10	0170-0038		CAPACITOR-FXD .22UF +-10% 200VDC POLYE	28480	0170-0038
A2C11	0160-2257	5	CAPACITOR-FXD 10PF +-5% 500VDC CER-60	28480	0160-2257
A2C12	0160-3622		CAPACITOR-FXD .1UF +-80-20% 100VDC CER	28480	0160-3622
A2C13	0160-2244		CAPACITOR-FXD 3PF +-+.25PF 500VDC	28480	0160-2244
A2C14	0160-3622		CAPACITOR-FXD .1UF +-80-20% 100VDC CER	28480	0160-3622
A2C15	0160-2201		CAPACITOR-FXD 51PF +-5% 300VDC	28480	0160-2201

Δ A The oscillator circuit has been changed beginning with serial number 1730A00266. For instrument with lower serial numbers, refer to Section VII.

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A2C16	0180-2062	2	CAPACITOR-FXD 120UF+-20% 10VDC TA	0420J	150D127X0010R2
A2C17	0180-2062		CAPACITOR-FXD 120UF+-20% 10VDC TA	0420J	150D127X0010R2
A2C18	0160-0373	1	CAPACITOR-FXD .68UF+-10% 35VDC TA	0420J	150D084X9035A2
A2C19	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A2C20	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A2C21	0160-2940	2	CAPACITOR-FXD 470PF +-5% 300VDC MICA0+70	28480	0160-2940
A2C22	0180-1775	1	CAPACITOR-FXD 1.0UF+-5% 35VDC TA	0420J	150D165X5035B2
A2C23	0180-1746	2	CAPACITOR-FXD 15UF+-10% 20VDC TA	0420J	150D156X9020B2
A2C24	0180-0309	1	CAPACITOR-FXD 4.7UF+-20% 10VDC TA	0420J	150D475X0010A2
A2C25	0160-2204	6	CAPACITOR-FXD 100PF +-5% 300VDC MICA0+70	28480	0160-2204
A2C27	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A2C28	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A2C30	0180-1746		CAPACITOR-FXD 15UF+-10% 20VDC TA	0420J	150D156X9020B2
A2C31	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A2C32	0160-2940		CAPACITOR-FXD 470PF +-5% 300VDC MICA0+70	28480	0160-2940
A2C33	0180-0100	1	CAPACITOR-FXD 4.7UF+-10% 35VDC TA	0420J	150D475X9035B2
A2C34	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A2C35	0180-0291		CAPACITOR-FXD 1UF+-10% 35VDC TA	0420J	150D156X9035A2
A2C36	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A2C37	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A2C38	0160-2261		CAPACITOR-FXD 15PF +-5% 500VDC CER0+-30	28480	0160-2261
A2CR1 Δ	1902-0938	8	DIODE-ZNR 3.92V 5% 00-7 PDS.4W TC=-.049%	28480	1902-0938
A2CR2 Δ	1902-0938		DIODE-ZNR 3.92V 5% 00-7 PDS.4W TC=-.049%	28480	1902-0938
A2CR3	1901-0040		DIODE-SWITCHING 30V 50MA 2WS 00-35	28480	1901-0040
A2CR4	1901-0040		DIODE-SWITCHING 30V 50MA 2WS 00-35	28480	1901-0040
A2CR5	1902-3128	1	DIODE-ZNR 7.32V 5% 00-7 PDS.4W TC=+.048%	0223G	F27247
A2E1	1990-0630	1	PHOTO-MODULE	28480	1990-0630
A2F1	2110-0011	2	FUSE .062A 250V NORM-BLO 1.25X.25 UL IEC	0470C	312.062
	2110-0269	2	FUSEHOLDER-CLIP TYPE .250-FUSE	28480	2110-0269
A2J1	1251-2969		CONNECTOR-IPHONO, SINGLE JACK	2726D	15-24-0501
A2J2	1251-2969		CONNECTOR-IPHONO, SINGLE JACK	2726D	15-24-0501
A2J3	1251-2969		CONNECTOR-IPHONO, SINGLE JACK	2726D	15-24-0501
A2J4	1251-2969		CONNECTOR-IPHONO, SINGLE JACK	2726D	15-24-0501
A2J200	1251-3196		CONNECTOR 8-PIN M POST TYPE	27264	09-60-1081(2403-084)
A2J201	1251-3195	1	CONNECTOR 4-PIN M POST TYPE	27264	09-60-1041(2403-044)
A2J202	1251-3618		CONNECTOR 2-PIN M POST TYPE	27264	09-60-1021
A2J203	1251-2034	1	CONNECTOR-PC EDGE 10-CONT/ROW 2-ROWS	0450G	252-10-30-300
A2K1	0490-0563	1	RELAY 2C 12VDC-COIL 5A 115VDC	28480	0490-0563
	0490-0568	1	SOCKET-RLY 11-CONT DIP-8LDR	28480	0490-0568
A2Q1	1855-0062	1	TRANSISTOR J-FET N-CHAN D-MODE S1	28480	1855-0062
A2Q2	1854-0071	3	TRANSISTOR NPN S1 PDS300MA FT=200MHZ	28480	1854-0071
A2Q3	1855-0386	2	TRANSISTOR J-FET 2N4392 N-CHAN D-MODE	0203G	2N4392
A2R1	0698-3498	1	RESISTOR 8.66K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-866R-F
A2R2	0698-4400		RESISTOR 3.4K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-3401-F
A2R3	0698-4501	1	RESISTOR 59K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-5902-F
A2R4	0698-4445	5	RESISTOR 5.76K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-5761-F
A2R5	0698-4445		RESISTOR 5.76K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-5761-F
A2R6	0698-4445		RESISTOR 5.76K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-5761-F
A2R7	0698-3268	3	RESISTOR 11.5K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1152-F
A2R8	0698-3268		RESISTOR 11.5K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1152-F
A2R9	0698-3268		RESISTOR 11.5K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1152-F
A2R10	0698-7332		RESISTOR 1M 1% .125W F TC=0+-100	0299E	MF5C1/8-T0-1000-F
A2R11	0699-0053	1	RESISTOR 50.51 .25% .125W F TC=0+-50	28480	0699-0053
A2R12	0698-3237	1	RESISTOR 5K .25% .125W F TC=0+-50	0329B	NC55
A2R13	0812-0099	2	RESISTOR 1K 5% 5W PW TC=0+-20	0552C	RS-5
A2R14	0757-0401		RESISTOR 100 1% .125W F TC=0+-100	0329B	C4-1/8-T0-101-F
A2R15	0757-0442		RESISTOR 10K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1002-F
A2R16	0757-0422		RESISTOR 909 1% .125W F TC=0+-100	03292	C4-1/8-T0-909R-F
A2R17	2100-3212	1	RESISTOR-TRMR 200 10% C TOP-ADJ 1-TRM	0456B	72-103-0
A2R18	0757-0278	1	RESISTOR 1.78K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1781-F
A2R20	0757-0442		RESISTOR 10K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1002-F
A2R21	0757-0442		RESISTOR 10K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1002-F
A2R22	2100-0568	1	RESISTOR-TRMR 100 10% C TOP-ADJ 1-TRM	7313B	72-102-0
A2R23	0698-4442	1	RESISTOR 4.42K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-4421-F
A2R24	2100-3211	1	RESISTOR-TPMR 1K 10% C TOP-ADJ 1-TRM	7313B	72-105-0
A2R25	0698-3453	1	RESISTOR 196K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1963-F
A2R26	0757-0487	1	RESISTOR 825K 1% .125W F TC=0+-100	0552D	CME-55-1
A2R27 ΔA	0698-3557		RESISTOR 806 1% .125W F TC=0+-100	0329B	C4-1/8-T0-806R-F
A2R28	0757-0442		RESISTOR 10K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1002-F
A2R29	0698-3279		RESISTOR 4.99K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-4991-F
A2R30	0757-0444	1	RESISTOR 12.1K 1% .125W F TC=0+-100	03292	C4-1/8-T0-1212-F
A2R31	0757-0420	1	RESISTOR 750 1% .125W F TC=0+-100	0329B	C4-1/8-T0-751-F

See introduction to this section for ordering information

6-5

ΔA Refer to note ΔA on Figure 8-16.

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A2R32	0757-0410	1	RESISTOR 301 1% .125W F TC=0+-100	0329B	C4-1/8-T0=3010-F
A2R33	0698-3225	1	RESISTOR 1.43K 1% .125W F TC=0+-100	0329B	C4-1/8-T0=1431-F
A2R34	0757-0442	1	RESISTOR 10K 1% .125W F TC=0+-100	0329B	C4-1/8-T0=1002-F
A2R35	2100-0567	1	RESISTOR-TRMR 2K 10% C TOP-ADJ 1-TRN	7313B	72-106-0
A2R36	2100-3213	1	RESISTOR-TRMR 200K 10% C TOP-ADJ 1-TRN	7313B	72-113-0
A2R37	2100-3210	1	RESISTOR-TRMR 10K 10% C TOP-ADJ 1-TRN	7313B	72-10R-0
A2R38	0698-6320	3	RESISTOR 5K 1% .125W F TC=0+-25	038E2	PM55-1/6-T9-5001-B
A2R39	0699-0034	3	RESISTOR 2.312K .25% .125W F TC=0+-50	0107D	8
A2R40	0757-0442	1	RESISTOR 10K 1% .125W F TC=0+-100	0329B	C4-1/8-T0=1002-F
A2R41	0757-0442	1	RESISTOR 10K 1% .125W F TC=0+-100	0329B	C4-1/8-T0=1002-F
A2R42	0698-4443	1	RESISTOR 4.53K 1% .125W F TC=0+-100	0329B	C4-1/8-T0=4531-F
A2U1	1826-0315	1	IC OP AMP	0340F	LM348N
A2U4 Δ	1826-0487	1	IC OP AMP	28480	1826-0487
A2U5	1826-0421	2	IC LINEAR 536J	28480	1826-0421
A2U6	1820-0203	2	IC 741 OP AMP	0276C	741CE009
A2U7	1826-0421	1	IC LINEAR 536J	28480	1826-0421
A2U8	1826-0315	1	IC OP AMP	0340F	LM348N
A2U9	1820-0203	1	IC 741 OP AMP	0276C	741CE009
A2U10	1826-0081	5	IC 318 OP AMP	0379D	LM318
A2U12	1820-0203	1	IC 741 OP AMP	02237	UA741HC
A2U13	1826-0021	2	IC OP AMP	0340F	LM310M
A3	00339-66503	1	PC ASSEMBLY, ANALYZER/POWER SUPPLY	28480	00339-66503
A3C1	0160-2132	1	CAPACITOR-FXD .56UF +-10% 50VDC POLYE	84411	MEW-205
A3C2	0160-0165	1	CAPACITOR-FXD .056UF +-10% 200VDC POLYE	0420J	292P56392
A3C3	0160-0158	1	CAPACITOR-FXD 5600PF +-10% 200VDC POLYE	0420J	292P56292
A3C4	0160-3535	1	CAPACITOR-FXD 560PF +-5% 300VDC MICA0+70	28480	0160-3535
A3C5	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C6	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C7	0160-2250	1	CAPACITOR-FXD 5.1PF +-25PF 500VDC	28480	0160-2250
A3C10	0160-2257	1	CAPACITOR-FXD 10PF +-5% 500VDC CER0+-60	28480	0160-2257
A3C11	0160-4589	1	CAPACITOR-FXD 1.8UF +-1% 200VDC POLYE	28480	0160-4589
A3C12	0160-4590	1	CAPACITOR-FXD .18UF +-1% 200VDC POLYE	28480	0160-4590
A3C13	0160-4591	1	CAPACITOR-FXD .018UF +-1% 200VDC POLYE	28480	0160-4591
A3C14	0160-4592	1	CAPACITOR-FXD .0018UF +-1% 200VDC POLYE	28480	0160-4592
A3C15	0160-2206	1	CAPACITOR-FXD 160PF +-5% 300VDC MICA0+70	28480	0160-2206
A3C16	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C17	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C18	0121-0147	1	CAPACITOR-V TRMR-AIR 2-19.3PF 350V	7497U	189-507-5
A3C19	0160-2250	1	CAPACITOR-FXD 5.1PF +-25PF 500VDC	28480	0160-2250
A3C20	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C21	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C22	0160-2257	1	CAPACITOR-FXD 10PF +-5% 500VDC CER0+-60	28480	0160-2257
A3C23	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C24	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C25	0160-2257	1	CAPACITOR-FXD 10PF +-5% 500VDC CER0+-60	28480	0160-2257
A3C26	0160-2201	1	CAPACITOR-FXD 51PF +-5% 300VDC	28480	0160-2201
A3C27	0160-2201	1	CAPACITOR-FXD 51PF +-5% 300VDC	28480	0160-2201
A3C100	0160-2251	4	CAPACITOR-FXD 5.6PF +-25PF 500VDC	28480	0160-2251
A3C102	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C103	0140-0200	2	CAPACITOR-FXD 390PF +-5% 300VDC MICA0+70	72136	DM15F391J0300WV1CH
A3C104	0140-0200	1	CAPACITOR-FXD 390PF +-5% 300VDC MICA0+70	72136	DM15F391J0300WV1CH
A3C105	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C106	0160-2200	1	CAPACITOR-FXD 43PF +-5% 300VDC	28480	0160-2200
A3C107	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C108	0160-2249	3	CAPACITOR-FXD 4.7PF +-25PF 500VDC	28480	0160-2249
A3C109	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C110	0140-0192	1	CAPACITOR-FXD 68PF +-5% 300VDC	72136	DM15E680J0300WV1CH
A3C111	0180-1715	2	CAPACITOR-FXD 150UF+-10% 6VDC TA	0420J	150D157X9006R2
A3C112	0180-1715	1	CAPACITOR-FXD 150UF+-10% 6VDC TA	0420J	150D157X9006R2
A3C113	0160-2204	1	CAPACITOR-FXD 100PF +-5% 300VDC MICA0+70	28480	0160-2204
A3C114	0160-0363	1	CAPACITOR-FXD 620PF +-5% 300VDC MICA0+70	28480	0160-0363
A3C115	0160-2263	1	CAPACITOR-FXD 18PF +-5% 500VDC	28480	0160-2263
A3C116	0140-0195	1	CAPACITOR-FXD 130PF +-5% 300VDC MICA	04522	DM15F131J0300WV1CR
A3C117	0160-2249	1	CAPACITOR-FXD 4.7PF +-25PF 500VDC	28480	0160-2249
A3C120	0160-2220	1	CAPACITOR-FXD 1200PF +-5% 300VDC	28480	0160-2220
A3C121	0160-2209	1	CAPACITOR-FXD 360PF +-5% 300VDC MICA0+70	28480	0160-2209
A3C122	0160-2201	1	CAPACITOR-FXD 51PF +-5% 300VDC	28480	0160-2201
A3C130	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C131	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C132 ΔA	0160-2249	1	CAPACITOR-FXD 4.7PF +-25PF 500VDC	28480	0160-2249
A3C133	0160-2204	1	CAPACITOR-FXD 100PF +-5% 300VDC MICA0+70	28480	0160-2204
A3C134	0160-2204	1	CAPACITOR-FXD 100PF +-5% 300VDC MICA0+70	28480	0160-2204

ΔA Refer to note ΔA on Figure 8-13.

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A3C135	0160-2257	1	CAPACITOR-FXD 10PF +-5% 500VDC CER0+-60	28480	0160-2257
A3C200	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C201	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C202	0160-2250		CAPACITOR-FXD 5.1PF +-25% 500VDC	28480	0160-2250
A3C203	0160-2204		CAPACITOR-FXD 100PF +-5% 300VDC MICA0+-70	28480	0160-2204
A3C204	0160-2201	1	CAPACITOR-FXD 51PF +-5% 300VDC	28480	0160-2201
A3C205	0160-2264		CAPACITOR-FXD 20PF +-5% 500VDC CER0+-30	28480	0160-2264
A3C206	0180-1704		CAPACITOR-FXD 47UF+-10% 6VDC TA	0420J	150D476X9006B2
A3C207	0180-1704		CAPACITOR-FXD 47UF+-10% 6VDC TA	0420J	150D476X9006B2
A3C300	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C301	0160-3622	2	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C302	0160-2628		CAPACITOR-FXD .03UF +-20% 500VDC CER	28480	0160-2628
A3C303	0160-2628		CAPACITOR-FXD .03UF +-20% 500VDC CER	28480	0160-2628
A3C304	0180-2635		CAPACITOR-FXD 1000UF+50-10% 35VDC AL	28480	0180-2635
A3C305	0180-2635		CAPACITOR-FXD 1000UF+50-10% 35VDC AL	28480	0180-2635
A3C306	0180-2635	2	CAPACITOR-FXD 1000UF+50-10% 35VDC AL	28480	0180-2635
A3C307	0180-2635		CAPACITOR-FXD 1000UF+50-10% 35VDC AL	28480	0180-2635
A3C308	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C309	0160-3622		CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A3C310	0180-0291		CAPACITOR-FXD 1UF+-10% 35VDC TA	0420J	150D105X9035A2
A3C311	0180-0374	2	CAPACITOR-FXD 10UF+-10% 20VDC TA	0420J	150D106X9020B2
A3C312	0180-0374		CAPACITOR-FXD 10UF+-10% 20VDC TA	0420J	150D106X9020B2
A3C320	0180-0291		CAPACITOR-FXD 1UF+-10% 35VDC TA	0420J	150D105X9035A2
A3C321	0180-0291		CAPACITOR-FXD 1UF+-10% 35VDC TA	0420J	150D105X9035A2
A3C322	0180-0291		CAPACITOR-FXD 1UF+-10% 35VDC TA	0420J	150D105X9035A2
A3C323	0180-0374	2	CAPACITOR-FXD 10UF+-10% 20VDC TA	0420J	150D106X9020B2
A3C324	0180-0374		CAPACITOR-FXD 10UF+-10% 20VDC TA	0420J	150D106X9020B2
A3CR100	1902-0554	2	DIODE-ZNR 10V 5% DO-15 PD=1W TC=+0.06%	28480	1902-0554
A3CR101	1901-0025		DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
A3CR102	1901-0025		DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
A3CR103	1901-0025		DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
A3CR104	1901-0025		DIODE-GEN PRP 100V 200MA DO-7	28480	1901-0025
A3CR105	1902-0554	2	DIODE-ZNR 10V 5% DO-15 PD=1W TC=+0.06%	28480	1902-0554
A3CR106	1901-0040		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A3CR200	1901-0040		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A3CR201	1901-0040		DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A3CR300	1906-0096		DIODE-FW BRDG 200V 2A	0203G	40DA202
A3CR301	1906-0096	2	DIODE-FW BRDG 200V 2A	0203G	40DA202
A3CR302	1902-0933		DIODE-ZENER 56.2V	28480	1902-0933
A3CR303	1902-0933		DIODE-ZENER 56.2V	28480	1902-0933
A3E1	1990-0644	2	PHOTOMODULE	28480	1990-0644
A3E2	1990-0644		PHOTOMODULE	28480	1990-0644
A3F100	2110-0011		FUSE .062" 250V NORM-BLO 1.25X.25 UL IEC	0470C	31F062
	2110-0269		FUSEHOLDER-CLIP TYPE .250-FUSE	28480	2110-0269
A3J1	1251-2969	1	CONNECTOR-PHONO, SINGLE JACK	2726D	15-24-0501
A3J2	1251-2969		CONNECTOR-PHONO, SINGLE JACK	2726D	15-24-0501
A3J3	1251-2035		CONNECTOR-PC EDGE 15-CONT/ROW 2-ROWS	0450G	252-15-30-300
A3J100	1251-2969		CONNECTOR-PHONO, SINGLE JACK	2726D	15-24-0501
A3J101	1251-2969		CONNECTOR-PHONO, SINGLE JACK	2726D	15-24-0501
A3J102	1251-2969	1	CONNECTOR-PHONO, SINGLE JACK	2726D	15-24-0501
A3J201	1251-2969		CONNECTOR-PHONO, SINGLE JACK	2726D	15-24-0501
A3J202	1251-2969		CONNECTOR-PHONO, SINGLE JACK	2726D	15-24-0501
A3J300	1251-3191		CONNECTOR 9-PIN M POST TYPE	27264	09-60-1091
A3J301	1251-3192		CONNECTOR 3-PIN M POST TYPE	27264	09-60-1031 (2403-03A)
A3J302	1251-3618	1	CONNECTOR 2-PIN M POST TYPE	27264	09-60-1021
A3Q100	1855-0360		TRANSISTOR MOSFET N-CHAN D-MODE TO-72 SI	28480	1855-0360
	1205-0333		HEAT SINK	28480	1205-0333
A3Q300	1854-0072		TRANSISTOR NPN 2N3054 SI TO-66 PD=25W	0192A	2N3054
A3Q301	1205-0333		HEAT SINK	28480	1205-0333
	1854-0072	2	TRANSISTOR NPN 2N3054 SI TO-66 PD=25W	0192A	2N3054
A3R1	0698-3449		RESISTOR 28.7K 1% .125W F TC=0+-100	03298	C4-1/8-T0-2872-F
A3R2	0698-0307		RESISTOR 14.3K 1% .125W F TC=0+-100	03298	C4-1/8-T0-1432-F
A3R3	0698-4020		RESISTOR 9.53K 1% .125W F TC=0+-100	03298	C4-1/8-T0-9531-F
A3R4	0698-4471		RESISTOR 7.15K 1% .125W F TC=0+-100	03298	C4-1/8-T0-7151-F
A3R5	0757-0200	2	RESISTOR 5.62K 1% .125W F TC=0+-100	03298	C4-1/8-T0-5621-F
A3R6	0757-0200		RESISTOR 5.62K 1% .125W F TC=0+-100	03298	C4-1/8-T0-5621-F
A3R7	0698-3456		RESISTOR 28.7K 1% .125W F TC=0+-100	03298	C4-1/8-T0-2873-F
A3R8	0698-4520		RESISTOR 143K 1% .125W F TC=0+-100	03298	C4-1/8-T0-1433-F
A3R9	0757-0978		RESISTOR 95.3K 1% .125W F TC=0+-100	03298	C4-1/8-T0-9532-F
A3R10	0698-4505	3	RESISTOR 71.5K 1% .125W F TC=0+-100	03298	C4-1/8-T0-7152-F
A3R11	0757-0459		RESISTOR 56.2K 1% .125W F TC=0+-100	03298	C4-1/8-T0-5622-F
A3R12	0757-0442		RESISTOR 10K 1% .125W F TC=0+-100	03298	C4-1/8-T0-1002-F
A3R13	0757-0442		RESISTOR 10K 1% .125W F TC=0+-100	03298	C4-1/8-T0-1002-F
A3R14	0757-0401		RESISTOR 100 1% .125W F TC=0+-100	03298	C4-1/8-T0-101-F
A3R20	0698-3449	1	RESISTOR 28.7K 1% .125W F TC=0+-100	03298	C4-1/8-T0-2872-F

See introduction to this section for ordering information

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A3R21	0698-4307		RESISTOR 14.3K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1432-F
A3R22	0698-4020		RESISTOR 9.53K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-9531-F
A3R23	0698-4471		RESISTOR 7.15K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-7151-F
A3R24	0698-4445		RESISTOR 5.76K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-5761-F
A3R25	0698-4445		RESISTOR 5.76K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-5761-F
A3R26	0698-3456		RESISTOR 287K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-2873-F
A3R27	0698-4520		RESISTOR 143K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1433-F
A3R28	0757-0978		RESISTOR 95.3K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-9532-F
A3R29	0698-4505		RESISTOR 71.5K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-7152-F
A3R30	0698-4500	2	RESISTOR 57.6K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-5762-F
A3R31	0757-0455	1	RESISTOR 36.5K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-3652-F
A3R32	0698-4481	1	RESISTOR 16.5K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1652-F
A3R33	0698-4477	1	RESISTOR 10.5K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1052-F
A3R34	0698-3259	1	RESISTOR 7.67K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-7671-F
A3R35	0757-0290	1	RESISTOR 6.19K 1% .125W F TC=0+-100	0299E	MFC1/8-T0-6191-F
A3R36	0698-3515	1	RESISTOR 5.9K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-5901-F
A3R37	0698-3456		RESISTOR 287K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-2873-F
A3R38	0698-4520		RESISTOR 143K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1433-F
A3R39	0757-0978		RESISTOR 95.3K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-9532-F
A3R40	0698-4505		RESISTOR 71.5K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-7152-F
A3R41	0698-4500		RESISTOR 57.6K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-5762-F
A3R42	0698-3161	1	RESISTOR 38.3K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-3832-F
A3R43	0757-0451	1	RESISTOR 24.3K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-2432-F
A3R44	0698-4483	1	RESISTOR 18.7K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1872-F
A3R45	0757-0280	1	RESISTOR 1K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1001-F
A3R46	0757-0280		RESISTOR 1K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1001-F
A3R47	0757-0280		RESISTOR 1K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1001-F
A3R48	0757-0446	1	RESISTOR 15K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1502-F
A3R49	0698-3152	1	RESISTOR 3.48K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-3481-F
A3R50	0698-4421	1	RESISTOR 249 1% .125W F TC=0+-100	0329B	C4-1/8-T0-249R-F
A3R51	0757-0283		RESISTOR 2K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-2001-F
A3R56	0757-0440	1	RESISTOR 7.5K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-7501-F
A3R57	0698-3382	1	RESISTOR 5.49K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-5491-F
A3R100	0699-0030	1	RESISTOR 68.38K .25%	28480	0699-0030
A3R101	0699-0029	1	RESISTOR 21.62K .25%	28480	0699-0029
A3R102	0698-8997	1	RESISTOR 6.838K .25%	28480	0698-8997
A3R103	0699-0024	1	RESISTOR 2.162K .25%	28480	0699-0024
A3R104	0698-5439	1	RESISTOR 1K .25% .125W F TC=0+-50	0329B	NC55
A3R106	0698-3492		RESISTOR 2.67K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-2671-F
A3R107	0698-3518		RESISTOR 7.32K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-7321-F
A3R110	0811-1858	1	RESISTOR 500 5% 5W PW TC=0+-20	0552D	R8-5
A3R111	0757-0283		RESISTOR 2K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-2001-F
A3R112	0757-0283		RESISTOR 2K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-2001-F
A3R113	0757-0442		RESISTOR 10K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1002-F
A3R114	0698-6320		RESISTOR 5K .1% .125W F TC=0+-25	03888	PME55-1/8-T9-5001-B
A3R116	0757-0401		RESISTOR 100 1% .125W F TC=0+-100	0329B	C4-1/8-T0-101-F
A3R120	0699-0039	2	RESISTOR 163.3 .25% .125W F TC=0+-50	0107D	8
A3R121	0699-0038	2	RESISTOR 555.6 .25% .125W F TC=0+-50	0107D	8
A3R122	0699-0034		RESISTOR 2.312K .25% .125W F TC=0+-50	0107D	8
A3R130	0698-4200	2	RESISTOR 3.419K .25% .125W F TC=0+-100	03888	PME55-1/8-T0-3491R-C
A3R131	0698-4197	2	RESISTOR 1.081K .25% .125W F TC=0+-100	03888	PME55-1/8-T0-1081R-C
A3R132	0698-4193	2	RESISTOR 341.9 .25% .125W F TC=0+-100	03888	PME55-1/8-T0-341R9-C
A3R133	0698-4192	2	RESISTOR 108.1 .25% .125W F TC=0+-100	03888	PME55-1/8-T0-1081R-C
A3R134	0698-8998	2	RESISTOR 34.19 .25% .125W F TC=0+-50	0107D	8
A3R135	0698-8999	2	RESISTOR 15.81 .25% .125W F TC=0+-100	0107D	8
A3R140	8150-3375		WIRE, ELECTRICAL JUMPER	04672	ZEROHM
A3R150	0757-0401		RESISTOR 100 1% .125W F TC=0+-100	0329B	C4-1/8-T0-101-F
A3R151	0698-3279		RESISTOR 4.99K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-4991-F
A3R200	0698-4200		RESISTOR 3.419K .25% .125W F TC=0+-100	03888	PME55-1/8-T0-3491R-C
A3R201	0698-4197		RESISTOR 1.081K .25% .125W F TC=0+-100	03888	PME55-1/8-T0-1081R-C
A3R202	0698-4193		RESISTOR 341.9 .25% .125W F TC=0+-100	03888	PME55-1/8-T0-341R9-C
A3R203	0698-4192		RESISTOR 108.1 .25% .125W F TC=0+-100	03888	PME55-1/8-T0-1081R-C
A3R204	0698-8998		RESISTOR 34.19 .25% .125W F TC=0+-50	0107D	8
A3R205	0698-8999		RESISTOR 15.81 .25% .125W F TC=0+-100	0107D	8
A3R210	0698-6320		RESISTOR 5K .1% .125W F TC=0+-25	03888	PME55-1/8-T9-5001-B
A3R212	0699-0039		RESISTOR 163.3 .25% .125W F TC=0+-50	0107D	8
A3R213	0699-0038		RESISTOR 555.6 .25% .125W F TC=0+-50	0107D	8
A3R214	0699-0034		RESISTOR 2.312K .25% .125W F TC=0+-50	0107D	8
A3R300	0683-0685	2	RESISTOR 6.8 5% .25W FC TC=400/+500	0160G	CB86G5
A3R301	0683-0685		RESISTOR 6.8 5% .25W FC TC=400/+500	0160G	CB86G5
A3R302	0757-0442		RESISTOR 10K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1002-F
A3R303	0757-0442		RESISTOR 10K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1002-F
A3R310	0686-0275	1	RESISTOR 2.7 5% .5W CC TC=0+412	0160G	ER27G5
A3R311	0699-0037	1	RESISTOR 2.4 5% .5W CC TC=0+412	28480	0699-0037
A3R312	0757-0442		RESISTOR 10K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1002-F
A3R313	0757-0442		RESISTOR 10K 1% .125W F TC=0+-100	0329B	C4-1/8-T0-1002-F

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A331	00339-61905	1	SWITCH ASSEMBLY, MULTIPLIER	28480	00339-61905
A332	3100-3416	1	SWITCH, ROTARY	28480	3100-3416
A333	00339-61906	1	SWITCH ASSEMBLY, UNITS	28480	00339-61906
A334	3100-3417	1	SWITCH, ROTARY	28480	3100-3417
A335	00339-61907	1	SWITCH ASSEMBLY, TENTHS	28480	00339-61907
A336	3100-3418	1	SWITCH, ROTARY	28480	3100-3418
A384	00339-61908	1	SWITCH ASSEMBLY, INPUT RANGE	28480	00339-61908
A385	3100-3419	1	SWITCH, ROTARY	28480	3100-3419
A386	00339-61909	1	SWITCH ASSEMBLY, DISTORTION RANGE	28480	00339-61909
A387	3100-3420	1	SWITCH, ROTARY	28480	3100-3420
A388	5040-8259	1	SHAFT, EXTENDER	28480	5040-8259
A389	1500-0019	1	COUPLER, RIGID	05104	128
A3U1	1826-0081	1	IC 318 OP AMP	03790	LM318
A3U2	1826-0081	1	IC 318 OP AMP	03790	LM318
A3U3	1826-0109	1	IC OP AMP	03791	HA2-2625-80593
A3U4	1826-0109	1	IC OP AMP	03791	HA2-2625-80593
A3U100, U101 Δ	1826-0487	1	IC OP AMP TO-99	28480	1826-0487
A3U200	1826-0109	2	IC OP AMP	03791	HA2-2625-80593
A3U300	1826-0457	1	IC LINEAR LM 325H	28480	1826-0457
A3U301	1205-0050	1	HEAT SINK TO-5/TQ-39-PKG	28480	1205-0050
A3U302	1826-0457	1	IC LINEAR LM 325H	28480	1826-0457
A4	00339-66504	1	PC ASSEMBLY, ERROR CONTROL	28480	00339-66504
A4C1	0160-1702	1	CAPACITOR-FXD 180UF+20% 6VDC TA	0420J	150D187X000682
A4C3	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A4C4	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A4C5	0160-1704	1	CAPACITOR-FXD 47UF+10% 6VDC TA	0420J	150D476X900682
A4C7	0160-3847	2	CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
A4C8	0160-0387	1	CAPACITOR-FXD 47UF+5% 20VDC TA	0420J	150D476X5020P2
A4C9	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A4C10	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A4C11	0160-0374	1	CAPACITOR-FXD 10UF+10% 20VDC TA	0420J	150D106X9020B2
A4C12	0160-0374	1	CAPACITOR-FXD 10UF+10% 20VDC TA	0420J	150D106X9020B2
A4C13	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A4C14	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A4C15	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A4C21	0160-1704	1	CAPACITOR-FXD 47UF+10% 6VDC TA	0420J	150D476X900682
A4C22	0160-1704	1	CAPACITOR-FXD 47UF+10% 6VDC TA	0420J	150D476X900682
A4C24	0160-3847	1	CAPACITOR-FXD .01UF +100-0% 50VDC CER	28480	0160-3847
A4C25	0160-2338	1	CAPACITOR-FXD 650UF+20% 13VDC TA	06001	69F2330G7
A4C26	0160-0228	2	CAPACITOR-FXD 22UF+10% 15VDC TA	0420J	150D226X901582
A4C27	0160-0228	2	CAPACITOR-FXD 22UF+10% 15VDC TA	0420J	150D226X901582
A4C28	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A4C29	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A4C30	0160-3622	1	CAPACITOR-FXD .1UF +80-20% 100VDC CER	28480	0160-3622
A4C31	0160-1704	1	CAPACITOR-FXD 47UF+10% 6VDC TA	0420J	150D476X900682
A4CR1	1902-1335	1	DIODE-ZNR 3.92V 5% DO-7 PDS .4W TC=-.049%	28480	1902-1335
A4CR2	1902-1335	1	DIODE-ZNR 3.92V 5% DO-7 PDS .4W TC=-.049%	28480	1902-1335
A4CR3	1901-0040	1	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR4	1901-0040	1	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR5	1902-3149	2	DIODE-ZNR 9.09V 5% DO-7 PDS .4W TC=+.057%	0223G	FZ7256
A4CR6	1901-0040	1	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR7	1902-1335	1	DIODE-ZNR 3.92V 5% DO-7 PDS .4W TC=-.049%	28480	1902-1335
A4CR8	1902-1335	1	DIODE-ZNR 3.92V 5% DO-7 PDS .4W TC=-.049%	28480	1902-1335
A4CR9	1901-0040	1	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR10	1901-0040	1	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR11	1902-3149	1	DIODE-ZNR 9.09V 5% DO-7 PDS .4W TC=+.057%	0223G	FZ7256
A4CR12	1901-0040	1	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR13	1902-3062	1	DIODE-ZNR 3.92V 5% DO-7 PDS .4W TC=-.049%	0203G	82 10939-65
A4CR14	1902-3062	1	DIODE-ZNR 3.92V 5% DO-7 PDS .4W TC=-.049%	0203G	82 10939-65
A4CR15	1901-0040	1	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR16	1901-0040	1	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR17	1901-0040	1	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR18, 19, 20	1901-0040	1	DIODE-SWITCHING 30V 50MA 2NS DO-35	28480	1901-0040
A4CR21	1901-0535	1	DIODE, SCHOTTKY	28480	1901-0535
A4K1	0490-1137	1	RELAY, REED	28480	0490-1137
A4L3, L4 ΔA	9170-0894	2	CORE-SHIELDING BEAD	28480	9170-0894
A4L1	9100-1643	2	COIL-MLD 300UH 5% Q=65 .190X.44LG	0327C	193303
A4L2	9100-1643	2	COIL-MLD 300UH 5% Q=65 .190X.44LG	0327C	193303
A4Q1	1854-0071	1	TRANSISTOR NPN SI PD=300MW FT=200MHZ	28480	1854-0071
A4Q2	1854-0071	1	TRANSISTOR NPN SI PD=300MW FT=200MHZ	28480	1854-0071
A4Q3	1855-0386	1	TRANSISTOR J-FET 2N4392 N-CHAN D-MODE	0203G	2N4392
A4R1	0757-0280	1	RESISTOR 1K 1% .125W F TC=0+/-100	03298	C4-1/8-T0-1001-F
A4R2	0757-0472	1	RESISTOR 200K 1% .125W F TC=0+/-100	03298	C4-1/8-T0-2003-F
A4R3	0757-0280	1	RESISTOR 1K 1% .125W F TC=0+/-100	03298	C4-1/8-T0-1001-F
A4R4	0757-0438	6	RESISTOR 5.1K 1% .125W F TC=0+/-100	03298	C4-1/8-T0-5111-F
A4R5	0757-0465	4	RESISTOR 100K 1% .125W F TC=0+/-100	03298	C4-1/8-T0-1003-F

See introduction to this section for ordering information

6-9

ΔA Components L3 and L4 have been added to instruments with serial numbers 1730A00196 and greater. Refer to note ΔA on Figure 8-15.

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
AQR6	0757-0465		RESISTOR 100K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=1003-F
AQR7	0757-0442		RESISTOR 10K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=1002-F
AQR8	0757-0402		RESISTOR 10K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=1002-F
AQR9	0757-0289	2	RESISTOR 13.3K 1% .125W F TC=0+-100	0299E	MFC1/8-T0=1332-F
AQR10	0757-0273	2	RESISTOR 3.01K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=3011-F
AQR11	0757-0449	4	RESISTOR 20K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=2002-F
AQR12	0698-0064	4	RESISTOR 9.31K 1% .125W F TC=0+-100	0552C	CMF-1/8-T1=9311-F
AQR13	0698-4431	2	RESISTOR 205K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=2051-F
AQR14	0757-0438		RESISTOR 5.11K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=5111-F
AQR15	0757-0438		RESISTOR 5.11K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=5111-F
AQR16	2100-3351	2	RESISTOR-TMR 500 10X C SIDE-ADJ 1-TRN	7313E	72-142-0
AQR17	0698-3228		RESISTOR 49.9K 1% .125W F TC=0+-100	0160G	CC
AQR18	0698-3228		RESISTOR 49.9K 1% .125W F TC=0+-100	0160G	CC
AQR19	0698-3228		RESISTOR 49.9K 1% .125W F TC=0+-100	0160G	CC
AQR20	0698-3228		RESISTOR 49.9K 1% .125W F TC=0+-100	0160G	CC
AQR21	0698-4486		RESISTOR 249K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=2492-F
AQR22	0698-4486		RESISTOR 249K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=2492-F
AQR23	0698-3445	2	RESISTOR 348 1% .125W F TC=0+-100	0329E	C4-1/8-T0=348R-F
AQR24	0757-0407		RESISTOR 200 1% .125W F TC=0+-100	0329E	C4-1/8-T0=201-F
AQR25	0757-0449		RESISTOR 20K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=2002-F
AQR26	0698-0064		RESISTOR 9.31K 1% .125W F TC=0+-100	0552D	CMF-1/8-T1=9311-F
AQR27	0757-0449		RESISTOR 20K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=2002-F
AQR28	0698-0064		RESISTOR 9.31K 1% .125W F TC=0+-100	0552D	CMF-1/8-T1=9311-F
AQR31	0757-0438		RESISTOR 5.11K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=5111-F
AQR32	0757-0465		RESISTOR 100K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=1003-F
AQR33	0757-0465		RESISTOR 100K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=1003-F
AQR34	0757-0442		RESISTOR 10K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=1002-F
AQR35	0757-0442		RESISTOR 10K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=1002-F
AQR36	0757-0289		RESISTOR 13.3K 1% .125W F TC=0+-100	0299E	MFC1/8-T0=1332-F
AQR37	0757-0449		RESISTOR 20K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=2002-F
AQR38	0698-0064		RESISTOR 9.31K 1% .125W F TC=0+-100	0552D	CMF-1/8-T1=9311-F
AQR39	0757-0273		RESISTOR 3.01K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=3011-F
AQR40	0698-4431		RESISTOR 205K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=2051-F
AQR41	0757-0438		RESISTOR 5.11K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=5111-F
AQR42	0757-0438		RESISTOR 5.11K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=5111-F
AQR43	2100-3351		RESISTOR-TMR 500 10X C SIDE-ADJ 1-TRN	7313E	72-142-0
AQR44	0698-3228		RESISTOR 49.9K 1% .125W F TC=0+-100	0160G	CC
AQR45	0698-3228		RESISTOR 49.9K 1% .125W F TC=0+-100	0160G	CC
AQR46	0698-3228		RESISTOR 49.9K 1% .125W F TC=0+-100	0160G	CC
AQR47	0698-3228		RESISTOR 49.9K 1% .125W F TC=0+-100	0160G	CC
AQR48	0698-4435		RESISTOR 249K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=2491-F
AQR49	0757-0447	2	RESISTOR 16.2K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=1622-F
AQR50	0757-0280		RESISTOR 1K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=1001-F
AQR51	0757-0447		RESISTOR 16.2K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=1622-F
AQR52	0698-4435		RESISTOR 249K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=2491-F
AQR53	0757-0280	1	RESISTOR 1K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=1001-F
AQR54	0698-4441	1	RESISTOR 30.9K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=3092-F
AQR55	0698-4453		RESISTOR 402 1% .125W F TC=0+-100	0329E	C4-1/8-T0=402R-F
AQR56	0757-0407		RESISTOR 200 1% .125W F TC=0+-100	0329E	C4-1/8-T0=201-F
AQR57	0757-0426	2	RESISTOR 1.3K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=1301-F
AQR58	0757-0426		RESISTOR 1.3K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=1301-F
AQR59	0757-0407		RESISTOR 200 1% .125W F TC=0+-100	0329E	C4-1/8-T0=201-F
AQR60	0757-0407		RESISTOR 200 1% .125W F TC=0+-100	0329E	C4-1/8-T0=201-F
AQR61	0698-4453	1	RESISTOR 402 1% .125W F TC=0+-100	0329E	C4-1/8-T0=402R-F
AQR62	0698-0085	1	RESISTOR 2.01K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=2011-F
AQR63	0698-4460	2	RESISTOR 649 1% .125W F TC=0+-100	0329E	C4-1/8-T0=649R-F
AQR64	0698-4460		RESISTOR 649 1% .125W F TC=0+-100	0329E	C4-1/8-T0=649R-F
AQR65	2100-3274	1	RESISTOR-TMR 10K 10X C SIDE-ADJ 1-TRN	7313E	72-146-0
AQR66	0757-0446		RESISTOR 15K 1% .125W F TC=0+-100	0329E	C4-1/8-T0=1502-F
AQU1	1826-0081		IC 318 OP AMP	0379D	LM318
AQU2	1820-0427	2	IC 1496 MODULATOR	0203G	MC1496G
AQU3	1826-0315		IC OP AMP	0340F	LM348N
AQU4	1820-0427		IC 1496 MODULATOR	0203G	MC1496G
AQU5	1826-0315		IC OP AMP	0340F	LM348N
AQU6	1826-0315		IC OP AMP	0340F	LM348N
AQU7	1826-0021		IC OP AMP	0340F	LM310H
	0403-0214	1	EXTRACTOR-PC BOARD YEL POLYC	2846U	0403-0214
	1480-0116	1	EXTRACTOR PIN#1/16" DIA	7395G	GP24-063X250-12
AS	00339-06505	1	PC ASSEMBLY, INPUT FUNCTION	2846U	00339-06505
ASC500	0160-3456	1	CAPACITOR-FXD 1000PF +-10% 1KVDC CER	2846U	0160-3456
ASC501	0180-0197	2	CAPACITOR-FXD 2.2UF+-10% 20VDC TA	0420J	150D225X9020A2
ASC502	0180-0197		CAPACITOR-FXD 2.2UF+-10% 20VDC TA	0420J	150D225X9020A2
ASC503	0160-0980	1	CAPACITOR-FXD 6200PF +-2% 300VDC	2846U	0160-0980

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A5C504	0160-2222	1	CAPACITOR-FXD 1500PF $\pm 5\%$ 300VDC	28480	0160-2222
A5C505	0160-2204		CAPACITOR-FXD 100PF $\pm 5\%$ 300VDC MICA0+70	28480	0160-2204
A5C506	0160-2207	1	CAPACITOR-FXD 300PF $\pm 5\%$ 300VDC MICA0+70	28480	0160-2207
A5C510	0160-4593	1	CAPACITOR-FXD 1.5UF $\pm 20\%$ 400VDC	28480	0160-4593
A5CR500	1901-0518		DIODE-SCHOTTKY	28480	1901-0518
A5L500	9100-1664	1	COIL-MLD 3MH 5% Q=70 .2150X.56LG	02178	22-1312-30J
A5L501	9100-1672	1	COIL-MLD 6.2MH 5% Q=80 .240X.74LG	0327C	24-624
A5L502	9100-1668	1	COIL-MLD 4.3MH 5% Q=80 .240X.74LG	02178	24-1313-21J
A5MP1	00339-01204	1	BRACKET, FUNCTION SWITCH	28480	00339-01204
A5R500	0698-3572	1	RESISTOR 60.4K 1% .125W F TC=0 \pm 100	03298	C4-1/8-T0-6042-F
A5P501	0757-0280		RESISTOR 1K 1% .125W F TC=0 \pm 100	03298	C4-1/8-T0-1001-F
A5R502	0757-0424	1	RESISTOR 1.1K 1% .125W F TC=0 \pm 100	03298	C4-1/8-T0-1101-F
A5S9	00339-61901	1	SWITCH ASSEMBLY, FUNCTION	28480	00339-61901
	3100-3423	1	SWITCH, ROTARY	28480	3100-3423