

ALPHA 76A-PA-CA

PART DESCRIPTION	PART #	SCHEMATIC SYMBOL
AC POWER STRIP (8 TERMINAL)	JBX-X110	
BALL DRIVE (VERNIER FOR TUNE AND LOAD CAPS)	MDX-X127	
BLOWER 115V (COMPLETE ASSEMBLY)	AHX-X013	BLOWER
BLOWER MOTOR 115V (HOWARD #3-90-8507)	BLX-X105	USE BOMAX # 301-6563
BLOWER SQUIRREL CAGE	BLX-X104	
BLOWER HOUSING	BLX-X106	
BOARD HV/CNTRL CB1-UNSTUFFED	BCX-X113	
BOARD HV/CNTRL CB1-STUFFED	ABX-X015	CB1
BOARD ALC/WATTMETER CB2-UNSTUFFED	BCX-X117	
BOARD ALC/WATTMETER CB2-STUFFED	ABX-X018	CB2
BOARD SWR-TRIP WATTMETER CB2-STUFFED	ABX-X022	CB2 w/SWR-TRIP
BOARD INPUT SWAMP RES PACK-STUFFED, 3-TUBE	ABX-X021	LOW DRIVE
BOARD INPUT SWAMP RES PACK-UNSTUFFED	BCX-X120	
BOARD INPUT SWAMP RES PACK, LOW-DRIVE 2-TUBE	ABX-X027	
BRACKET T/R RELAY	MSX-X023	
BULB CM85 28V (GLASS BASE, Vertically mounted)	ILX-X107	I1-I4
BULB # 387 (METAL BASE, HORIZONTALLY MOUNTED)	ILX-X103	I1-I4
Check with customer to see if vertical or horizontal bulbs needed.		
BULB COVER GREEN	ILX-X108	
BULB COVER YELLOW	ILX-X104	
BULB SOCKET (CM85 BULB)	ILX-X101	
CAPACITOR 180uF 450V RADIAL (PWR SUPPLY)		C101-C106 (STANDARD LIST)
CAPACITOR 210uF 450V RADIAL (PWR SUPPLY)	CEX-2170	C101-C106 (SCHEMATIC & UNIT)
CAPACITOR 500uF 50V (PWR SUPPLY)	CEX-5010	C108
CAPACITOR 470uF 50V AXIAL (PWR SUPPLY)	CEX-4772	C108 (BRD)
CAPACITOR 22uF 20V		C109
CAPACITOR 15uF 20V TANT	CLX-1560	C109 (STANDARD LIST)
CAPACITOR 22uF 50V		C109 (BRD)
CAPACITOR .002uF 1KV DISC	CDX-2020	C1,C2
CAPACITOR .002uF 3KV DISC	CDX-2022	C3-C6
CAPACITOR .004uF 6KV		C17
CAPACITOR .002uF 6KV (2 IN PARALLEL)	CDX-2021	C17 (UNIT)
CAPACITOR .01uF 50V DISC	CKD-1030	C8,C11,C12,C22
CAPACITOR .02uF 500V DISC		C9,C14,C15
CAPACITOR .02uF 1KV DISC	CDX-2030-C	C9,C14,C15 (BRD)
CAPACITOR 27pF DIP MICA	CMX-2700	C209
CAPACITOR 100pF DIP MICA	CMX-1010	C210
CAPACITOR 11pF (TRIMMER) (WATTMETER)	CTX-1100	C202
CAPACITOR 300pF DIP MICA	CMX-3010	C203
CAPACITOR 10uF 50V	CEX-1061	C206
CAPACITOR 18pF 1KV DISC (WATTMETER)	CDX-1800	C201
CAPACITOR 30-270pF 2KV (TUNE)	CTX-2710	C18
CAPACITOR 32-820pF 2KV AIR VAR. (LOAD)	CTX-8210	C19
CAPACITOR 32-820pF 2KV AIR VAR. (LOAD W/BALL DRV)	IHA-1007	
CONNECTORS - TRANSFORMER, see 78 parts list		
COVER (WRAPPER) 3 HOLE	MSX-X016	
COVER (WRAPPER) 2 HOLE	MSX-X015	
CROWBAR HV (SAFETY)	MSX-X020	
DIAL PLATE	MSX-X059	
DIODE RCC 1733 HIGH VOLT RECTIFIER	DRX-X105	D101-D104
DIODE 1N4004	DRX-X102	D1,D107-D109
DIODE 1N4148 (1N914B)	DRX-X107	D201-D203
DIODE 1N4722 OR 1N5404	DRX-X108	D106
DIODE ZENER 1N4733 5.1V 1W	DZX-X101	D110
DIODE ZENER 1N4757 51V 1W	DZX-X104	D105
FUSE 10A 250V	FSX-X113	F1,F2
FUSE 15A 250V CERAMIC (76CA ONLY) RS #270-1040A	FSX-X104	F1,F2
FUSE 1 1/2A GLASS SLOW BLOW	FSX-X108	F3 (MANUAL)
FUSE 1 1/4A 250V GLASS (SLOW BLOW)	FSX-X112	F3 (UNIT)
FUSE HOLDER (for AC fuses on rear of chassis)	FHX-X102	
FUSE BLOCK (clip-in step-start fuse holder) for F3	FHX-X103	
INDUCTOR (TOROID) RF OUTPUT	XCX-X101	L201
INDUCTOR (RFC) 1mH MINIATURE	LCX-X104	L202
INDUCTOR (PLATE CHOKE)	ACX-X118	L1
INDUCTOR (CHOKE) 15uH	LCX-X101	L2

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INDUCTOR (TANK COIL)	ACX-X116	L4
INDUCTOR (TUBE DECK) 15uH	LCX-X102	L3
INDUCTOR (80M TOROID) 2 CORE 21T #12	ACX-X119	L5
INDUCTOR MOUNT, G10 (GOES UNDER 80M TOROID)	IHT-1078	
INDUCTOR (TOROID) "L" INDUCTANCE	ACX-X121	L6
INDUCTOR (160M TOROID)	ACX-X120	L7
INDUCTOR (RFC) 2.5mH	LCX-X106	L8
INPUT MATCHING XFMR / 76,78	ACX-X133	T2
JUMPER AC	HLX-X117	
KNOB INSERT (CENTER DISC-TUNE / LOAD)	SKX-X108	
KNOB TUNE/LOAD	SKX-X102	
KNOB BANDSWITCH	SKX-X103	
LOW-DRIVE MOD, RES PACK-STUFFED, 2-TUBE	ABX-X027	
LOW DRIVE MOD, RES PACK-STUFFED, 3-TUBE **	ABX-X021	
** USE RFF-E471-C FOR LOW DRIVE MOD		
MANUAL	ZMX-X103	
METER MULTIMETER 0-1mA	MPX-X103	M1
METER PLATE CURRENT 0-1A	MPX-X104	M2
PANEL, FRONT	MSX-X001	
PARASITIC CHOKE (SUPPRESSOR) 1.5	ACX-X131	PS1, PS2 (2 TUBE VERSION)
PARASITIC CHOKE (SUPPRESSOR) 2.0	ACX-X130	PS3 (3 TUBE VERSION)
RELAY AC POWER ON (GUARDIAN 1390)	KAX-X104	K1
RELAY STEP START DPST (GUARDIAN 1395)	KDX-X107	K2
RELAY PLATE VOLTAGE (HV TAP) (CW /SSB) See below	KDX-X111	K3
RELAY T/R (MAGNECRAFT W-88)	KDX-X104	K4
RELAY T/R MOUNTING BRACKET	MSX-X023	
RELAY TIME DELAY REED (LG101-1-5)	KXX-X101	K6
RELAY PLATE OVERCURRENT (REED 24V)	KXX-X102	K7
RELAY PLATE OVERCURRENT (GUARD.1575)	KDX-X115	K7
RESISTOR 25 OHM 25W WIREWOUND	RFW-R250	R111
RESISTOR 12K OHM 1/4W	RFF-B123-C	R121, R122, R206
RESISTOR 120K OHM 2W	RFC-E124-C	R7-R12
RESISTOR 60K OHM 4W (PWR SUPPLY)		R101-R106
RESISTOR 120K OHM 2W (2 IN PARALLEL)	RFC-E124-C	R101-R106 (BRD)
For repairs use two 150K, 2W in parallel, must replace all	RFO-E154-D	
RESISTOR 3.9MEG OHM 1/4W	RFF-B395-C	R120
RESISTOR 1MEG OHM 3/4W 1%		R107-R109 (STANDARD LIST)
RESISTOR 1MEG OHM 1W 1%	RFC-C1004-A	R107-R109 (BRD)
RESISTOR 180K OHM 1/4W		235 R110, R207
RESISTOR 47 OHM 1/4W	RFF-B470-C	R114
RESISTOR 470 OHM 1/4W	RFF-B471-C	R208
RESISTOR 470 OHM 2W	RFC-E471-D	R31
RESISTOR 4.7K OHM 1/4W	RFF-B472-C	R125, R119
RESISTOR 47K OHM 1/4W	RFF-B473-C	R118
RESISTOR 3.3K OHM 2W	RFC-E332-C	R112
RESISTOR 5K OHM (TRIMMER POT.)	RKX-5200	R205, R209
RESISTOR 2.7K OHM 1/4W	RFF-B272-C	R115
RESISTOR 2.2K OHM 1/2W	RFC-C222-C	R124
RESISTOR 22 OHM 1/2W	RFC-C220-C	R201, R202
RESISTOR 1.5K OHM 1/4W	RFF-B152-C	R117
RESISTOR 1K OHM 1/4W	RFF-B102-C	R123
RESISTOR 1.3K OHM 1/4W		R113
RESISTOR 1.5K OHM 1/4W	RFF-B152-C	R113 (BRD)
RESISTOR 1.8K OHM 1/4W		R203
RESISTOR 3.3K OHM 1/4W	RFF-B332-C	R203 (BRD)
RESISTOR 10 OHM 1/2W	RFC-C100-C	R116
Use RFW-G100-C (10 ohm/2w WW) or 2x RFC-C47A-C (4.7 ohm 1/2w)		R116
in series to replace R116 when burned.		
RESISTOR 10 OHM 12W WIREWOUND	RFW-N100	R1, R2
RESISTOR 750 OHM 2W	RFC-E751-D	R3
RESISTOR 10K OHM 1/4W	RFF-B103-C	R204
RESISTOR 10K OHM 8W WIREWOUND	RFW-L103	R4
SCREW FRONT PANEL (BLACK) (QTY 6)	HSA-X004	
SCREW FRONT PANEL (SILVER) (QTY 6)	HSS-4022	
SCREW COVER (TOP 4) COUNTERSUNK	HSS-4022	
SCREW COVER (SIDE/BACK 16) REGULAR	HSS-4016	
SHIPPING CARTON / 374, 76, 78	ZCX-X101	
SHIPPING FOAM / 374, 76, 78	ZFX-X101	

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SWITCH BANDSWITCH	AHX-X012	S1
SWITCH BANDSWITCH WAFER (Front) 1-pole E4C-8	SWX-X103	S1-A-B
SWITCH BANDSWITCH WAFER (Rear) 2-pole E4C-10		S1-C-D
Note: Rear wafer usually replaced with SWX-X111 (less \$\$)		
Note: Later 76A amps originally built with SWX-X111 (E4C-18)		
SWITCH BANDSWITCH METAL SHAFT	SWX-X111	S1-C-D
SWITCH BANDSWITCH CERAMIC SHAFT	IHA-1096	
SWITCH BANDSWITCH PLASTIC WASHER	HXX-4126	
SWITCH, PUSHBUTTON (8 used in amp)	HWX-4015	
SWITCH, PUSHBUTTON CAP, LARGE ORANGE (ON/SSB)	SPX-X101	S2-S4
SWITCH, PUSHBUTTON CAP, LARGE GREEN (OFF/CW)	SPX-X103	
SWITCH, PUSHBUTTON CAP, NARROW ORANGE (METER)	SPX-X104	
SWITCH MICROSWITCH (INTERLOCK)	SPX-X105	
TRANSFORMER POWER(STANDARD) NO CONNECTORS	SIX-X101	S5
TRANSFORMER POWER(STANDARD) W/ CONNECTORS	TPX-X107	T1
TRANSFORMER POWER (HYPERSIL) NO CONNECTORS	ATX-X004	T1
TRANSFORMER, Input Match for 76A/78	TPX-X109	T1
Magnetek F372P, \$11.11 (Mouser p/n 553-F372P).	ACX-X133	T2
		Filament xfmr for 3cx800
TRANSISTOR 2N6027 (PUT)	QTX-X103	Q101
TRANSISTOR 2N5061 (SCR)	QTX-X102	Q102
NOTE: Older amps may have MFE-122 or MPF-121 (4 legs) in place of PUT/SCR circuit, use NTE-222 replacement MOSFET.		
TRANSISTOR 2N5307 DARLINGTON NPN	QTX-X106	Q103
TRANSISTOR 2N3904 OR EQUIV.	QTX-X104	Q104
TUBE 8874 EIMAC	VTX-X102	V1,V2 (+ V3 FOR 76PA, 76CA)
TUBE CHIMNEY 8874 (3CX400A7)	APP-X059	
TUBE SKIRT 8874 (3CX400A7)	APP-X058	
TUBE SOCKET 8874 (3CX400A7)	VSX-X102	
TUBE PLATE CAP	JXX-X101	
VERNIER (BALL DRIVE) FOR TUNE AND LOAD CAPS	MDX-X127	