

ALPHA 77

PART DESCRIPTION	PART #	SCHEMATIC SYMBOL
BLOWER MOTOR (ROTRON) (VS37A2RA025965)		B1
BLOWER 115V ROTRON (6RS2-DB1-1487?8)		I5-I7
BULBS # 327 (PANEL SWITCHES)		
Use #387 for switches and meters.	ILX-X103	
BULBS # 334 (METERS)	ILX-X102	I1-I4
CAPACITOR 25uF 4KV MAIN FILTER (OIL FILLED)	COX-2560	C36
CAPACITOR 1000uF 50V AXIAL	CEX-1080	C37
CAPACITOR 50uF 100V		C39
CAPACITOR 150uF 150V AXIAL		C39(UNIT)
CAPACITOR .68uF 200V 10%		C47,C48,C55
CAPACITOR .001uF		C21,C22,C31-C35,C50,C53
		C58-C61
CAPACITOR .002uF 1KV	CDX-2020	C21,C22,C31-C35,C50,C53(BRD)
		C58-C61
		C28,C29,C50,C54
CAPACITOR .0023uF FEEDTHROUGH		C45
CAPACITOR VARIABLE CERAMIC		C49
CAPACITOR 270pF 500V CM05	CMX-2710	C46
CAPACITOR 1KV		C44
CAPACITOR .002uF 6KV	CDX-2021	C18
CAPACITOR 500pF 5KV	CDX-5010	C8,C16,C51
CAPACITOR .01uF	CKD-1030	C24
CAPACITOR 15uF 25V		C24
CAPACITOR 10uF 50V AXIAL	CEX-1061	C26,C27
CAPACITOR 10uF 35V		C26,C27 (UNIT)
CAPACITOR 10uF 50V AXIAL	CEX-1061	C30
CAPACITOR 10uF 25V AXIAL	CEX-1060	C11-C13
CAPACITOR .001uF 5KV	CDX-1020	C14,C15,C23
CAPACITOR .02uF 1KV	CDX-2030-C	C52
CAPACITOR 100pF 500V CM05	CMX-1010	C56
CAPACITOR 27pF 500V CM05	CMX-2710	C57
CAPACITOR 47pF 500V CM05	CMX-4710	C19-C20
CAPACITOR 500pF LOAD	CTX-2710	C17
CAPACITOR 300pF TUNE (GLASS CASE)		
COUPLER, 3-PART FLEX (for vacuum variable shaft)	MDX-X137	D5-D8
DIODE 5KV RECTIFIER (SMETECH SCH5000)	DRX-X106	D1,D4
DIODE SI4		D13
DIODE ZENER 1N5344 8.2V	DZX-X105	D14,D15,D17-D21,D26,D27,D30,D31
DIODE 1N4148 (1N914)	DRX-X107	D9
DIODE ZENER 1N4746 18V	DZX-X103	
FEET, STICK ON RUBBER	HXA-X184	
FUSE 15A 250V CERAMIC	FSX-X104	F1,F2
INDUCTOR (TOROID) RF OUTPUT		L13
INDUCTOR 2.5mH		L7
INDUCTOR (TOROID) FERRITE CORE		L6
INDUCTOR (TOROID) FERRITE CORE		L5
INDUCTOR 3.1uH		L10
INDUCTOR 2.1uH		L11
INDUCTOR 6uH		L12
INDUCTOR 29uH		L14
INDUCTOR 90uH		L15
INDUCTOR		L8
INDUCTOR 15uH	LCX-X101	L9
INDUCTOR MINI TANK COIL		L2
INDUCTOR TANK COIL		L4
INDUCTOR (TOROID) 160M CONVERSION	ACX-X040	
INDUCTOR (TOROID) 160M CONVERSION (77DX PART)	ACX-X137	
MANUAL	ZMX-X177	
METER PLATE CURRENT	MPX-X104	M1
METER MULTIMETER	MPX-X101	M2
METER BEZEL (MODUTEC 3BA1)	MPX-X112	
PARASITIC CHOKE	ACX-X140	L3
RELAY POWER ON (ALLIED BOT6D) 26.5VDC	KDX-X113	K1
RELAY STEP-START (ALLIED BOT6D) 26.5VDC	KDX-X113	K2

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RELAY HV TAP (HVIZ 24VD) 6M-D-290 See next line		K3
Use STRUTHERS DUNN W158HVX-1 (they bought Magnecraft)		K3
RELAY INPUT T/R REED 24V	KDX-X116	K4
RELAY OUTPUT T/R (VACUUM)	KVX-X105	K5
RELAY CURRENT SENSING		K6
RELAY (SOLENOID) OVERLOAD	KDX-X110	K7
RELAY GRID OVERCURRENT		K8
RELAY TIME-DELAY (WARM-UP)		K9
RESISTOR 150K OHM 50W WW	RFW-5154	R5,R6 See note to left, next line.
Above resistors out of production, use Ohmite 270 Series #L50J250K for replacements (Newark #02F2334, \$17). The larger resistance runs cooler. Use HH Smith 2664 washers.		
RESISTOR 12K OHM		R9,R19,R35,R51
RESISTOR 15K OHM 1/2W		R9 (BRD)
RESISTOR 5MEG OHM ?W 1%		
RESISTOR 1MEG OHM ?W 1/2% (QTY 5)		R8 (BRD)
RESISTOR 700 OHM 8W WW	RFW-L701	R3
RESISTOR 10 OHM 25W WW	RFW-R100	R1,R2
RESISTOR 180 OHM 2W		R44,R45
RESISTOR 1.5K OHM 2W	RFC-E152-D	R16,R43,R44 (BRD)
RESISTOR 2.4 OHM 5W		R42
RESISTOR 8.2K OHM 1/2W		R52
RESISTOR 22 OHM 1/2W	RFC-C220-C	R49,R50
RESISTOR 100K OHM 1/4W	RFF-B104-C	R4
RESISTOR 22 OHM 1/4W	RFF-B220-C	R11
RESISTOR 180K OHM 1/4W	RFF-B184-C	R47
RESISTOR 1MEG OHM 1/4W	RFF-B105-C	R38,R46,R54
RESISTOR 4.7K OHM 1W		R13
RESISTOR 1K OHM 1/4W	RFF-B102-C	R39,R55
RESISTOR 5.6K OHM 1/2W	RFF-B562-C	R56
RESISTOR 3.9MEG OHM 1/4W	RFF-B395-C	R37
RESISTOR 8.2MEG OHM 1/4W		R36
RESISTOR 100 OHM		R10
RESISTOR 3.3 OHM 1/2W	RFC-C33A-D	R20
RESISTOR 560 OHM 2W	RFC-E561-C	R12
RESISTOR 50K OHM VARIABLE (ALC)		R26
RESISTOR 50 OHM 25W VARIABLE (BLR)	RPP-5000	R58
SWITCH HV CROWBAR INTERLOCK		S6
SWITCH MODE SWITCHES (PANEL)		S5
SWITCH MULTIMETER SWITCHES		S4
SWITCH INPUT TUNING CAPACITORS		S2
SWITCH BANDSWITCH ASSEMBLY	AHX-X302	S3
SWITCH BANDSWITCH	SRX-X104	
Bandswitch - Multi-Tech Industries p/n R86201130003		
TRANSFORMER		T1
TRANSISTOR 40841		Q1,Q9
TRANSISTOR 2N5184		Q2,Q4
TRANSISTOR 2N5321		Q5
TUBE 8877 EIMAC	VTX-X101	V1