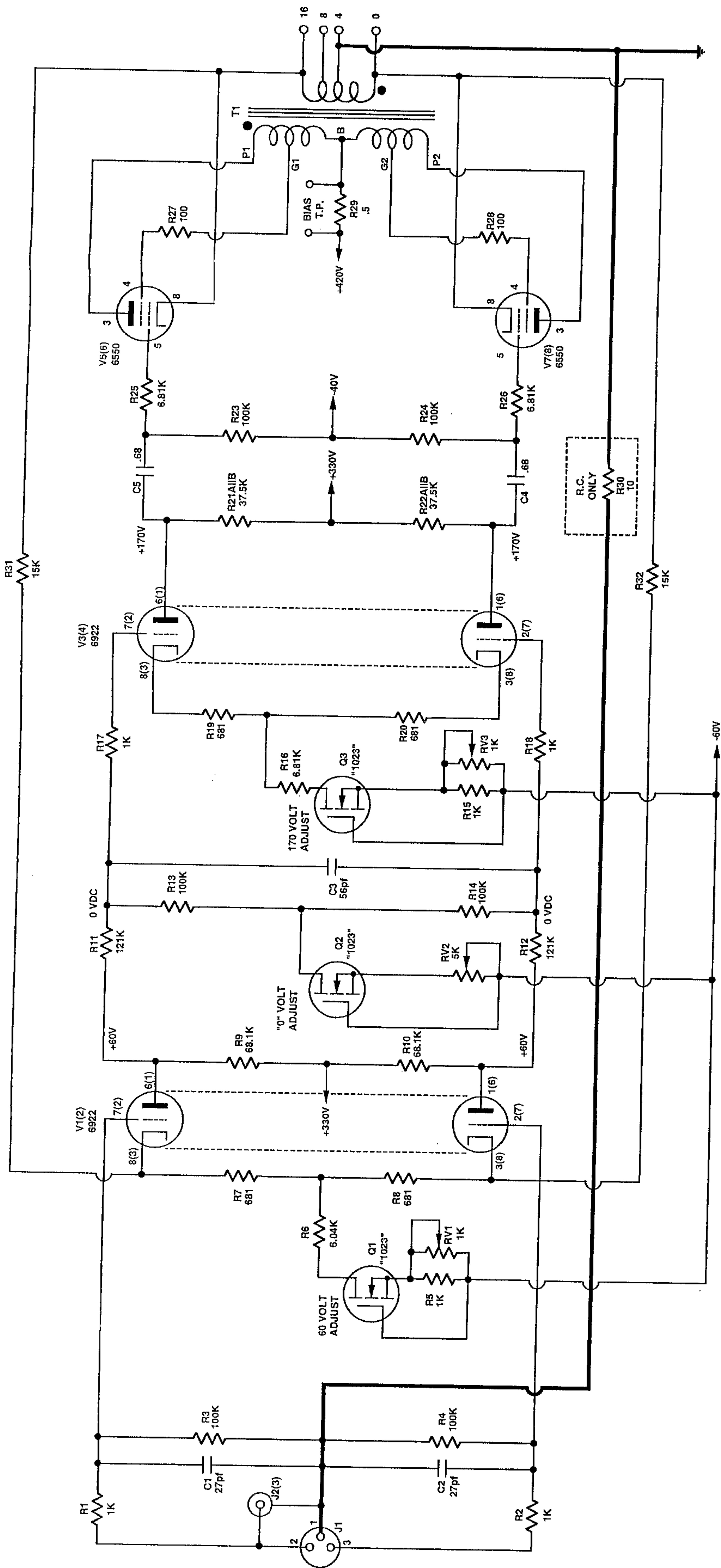


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VT50  
SCHEMATIC

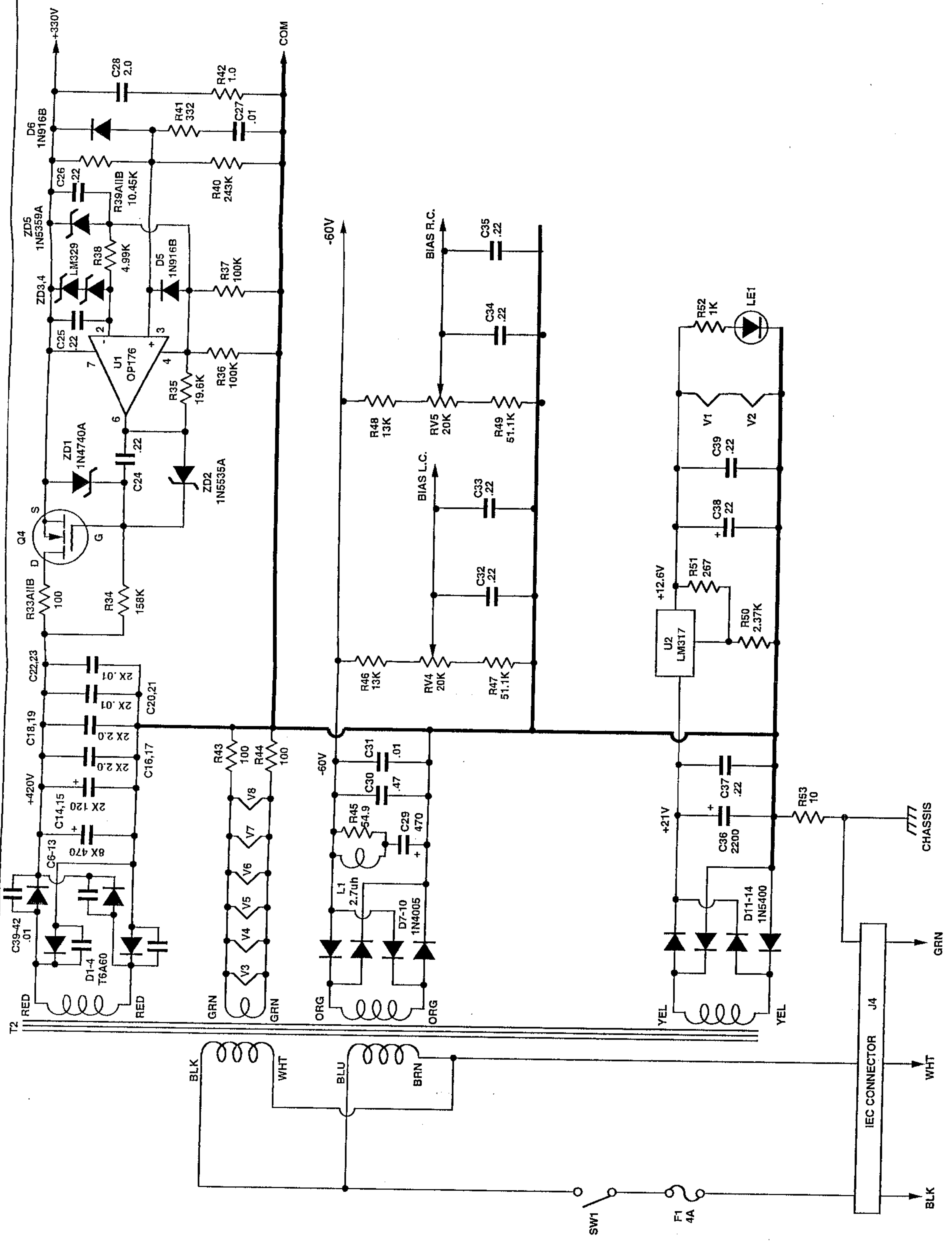
6-25-97



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**VT50**  
**POWER SUPPLY**  
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VT50

PARTS LIST

3-20-98

## PARTS LIST

As of MAR 20 98

PRODUCT: VT50

Schematic Symbol	Quantity	ARC Part #	Description
<b>C CAPACITORS</b>			
C1,2	4	53270101	CAP., 27pf ±1pf 630V PNP
C3	2	53560103	CAP., 56pf ± 2.5% 630V PPN
C4,5	4	53680505	CAP., .68µF 425V INFINICAP GRN
C6-13	8	50470807	CAP., 470µF 450V "LYTIC"
C14,15	2	50120801	CAP., 120µF 450V "LYTIC"
C16-19,28	5	53200602	CAP., 2µF ±10% 450V
C20-23,27	5	53100406	CAP., .01µf ±10% 630V
C24,25,26,32-35,37,39	9	53220507	CAP., .22µf ±10% 160V
C29	1	50470803	CAP., 470µF 100V "LYTIC"
C30	1	53470513	CAP., 0.47µf ±10% 160V
C31	1	53100410	CAP., .01uf ±10% 400V
C36	1	50220903	CAP., 2200µF 35V ELECTROLYTIC
C38	1	50220702	CAP., 22µF 50V "LYTIC"
C40-43	4	53100407	CAP., .01µf ±20% 250V
<b>D DIODES</b>			
D1-4	4	30503310	T6A60, TAITRON
D5,6	2	30500910	1N916B
D7-10	4	30500400	IN4005
D11-14	4	30501500	IN5400
<b>F FUSES</b>			
F1	3	34500705	(B)FUSE, 4 AMP MDQ BUSSMAN
<b>J CONNECTORS</b>			
J1	2	23201970	CONNECTOR, XLR FEM. #NC3FP-1-B
J2	1	23201509	JACK, CHASSIS RED
J3	1	23201510	JACK, CHASSIS WHITE
J4	1	23201800	INLET, IEC MALE POWER
<b>L INDUCTORS</b>			
L1	1	61000160	CHOKE, 2.7µH ±10%
<b>LE PANEL INDICATOR</b>			
LE1	1	34300320	L.E.D., GREEN SPOT L424GDT
<b>Q TRANSISTORS</b>			
Q1,2	4	30011023	FET, GREEN GREEN ORANGE
Q3	2	30011018	FET, GREEN/WHITE/GRAY
Q4	1	30006761	FET, ORANGE YELLOW BROWN
<b>R RESISTORS</b>			
R1,2	4	42100314	RES., 1KΩ MK-5 1% 50PPM
R3,4	4	42100503	RES., 100KΩ MK-3 1% 50PPM
R5,17,18	6	42100302	RES., 1KΩ MK-2 1% 50 PPM
R6	2	42604302	RES., 6.04KΩ MK2 1% 50PPM
R7A,8A,52	5	42100303	RES., 1KΩ MK-3 1% 50PPM
R7B,8B	4	42750203	RES., 750Ω MK-3 1% 50PPM
R9,10	4	42681405	RES., 68.1KΩ MK-8 1% 50PPM
R11,12	4	42121502	RES., 121KΩ MK-2 1% 50PPM

## PARTS LIST

As of MAR 20 98

PRODUCT: VT50

Schematic Symbol	Quantity	ARC Part #	Description
R13,14	4	42100502	RES., 100KΩ MK-2 1% 50PPM
R15	2	42619202	RES., 619Ω MK-2 1% 50PPM
R16,25,26	6	42681302	RES., 6.81KΩ MK-2 1% 50 PPM
R19A,19B,20A,20B	8	42475203	RES., 475Ω MK-3 1% 50PPM
R21A,21B,22A,22B	8	42750405	RES., 75KΩ MK-8 1% 50PPM
R23,24	4	42127503	RES., 127KΩ MK-3 1% 50PPM
R27,28	4	43100200	RES., 100Ω 5% 2W
R29	2	43050004	RES., 0.5Ω +/-2% 3W W.W.
R30,53	2	42100103	RES., 10Ω MK-3 1% 50PPM
R31,32	4	42150414	RES., 15KΩ MK-5 1% 50PPM
R33A,33B	2	42200205	RES., 200Ω MK8 1% 50PPM
R34	1	42158513	RES., 158KΩ MK-4 1% 50PPM
R35	1	42196403	RES., 19.6KΩ MK-3 1% 50PPM
R36,37	2	42100505	RES., 100KΩ MK-8 1% 50PPM
R38	1	42499303	RES., 4.99KΩ MK-3 1% 50PPM
R39A	1	42121403	RES., 12.1KΩ MK-3 1% 50PPM
R39B	1	42768403	RES., 76.8KΩ MK-3 1% 50PPM
R40	1	42243503	RES., 243KΩ MK3 1% 50PPM
R41	1	42332203	RES., 332Ω MK-3 1% 50PPM
R42	1	43100002	RES., 1Ω 2W 5% W.W.
R43,44	2	42100203	RES., 100Ω MK-3 1% 50PPM
R45	1	42549103	RES., 54.9Ω MK-3 1% 50PPM
R46,48	2	42130403	RES., 13KΩ MK-3 1% 50PPM
R47,49	2	42511403	RES., 51.1KΩ MK-3 1% 50PPM
R50	1	42237303	RES., 2.37KΩ MK-3 1% 50PPM
R51	1	42267203	RES., 267Ω MK-3 1% 50PPM
		RV	CONTROLS
RV1,3	4	45100301	POT., TRIM 1KΩ
RV2	2	45500303	POT., 5KΩ TRIM VERT. 25 TURN
RV4,5	2	45200412	POT., 20KΩ TRIM #3104F-1-203K
		SW	SWITCHES
SW1	1	24102200	SWITCH, ROCKER
		T	TRANSFORMERS
T1	2	60011901	(B)XFR., VT60/CA50/VT50 OUTPUT
T2	1	60014214	(B)XFR., CA50/VT50 DUAL VOLT.
		U	INTEGRATED CIRCUITS
U1	1	31002210	OP-AMP, OP176GP
U2	1	31004000	REGULATOR, VOLTAGE ADJ POS.
		V	VACUUM TUBES
V1-4	4	32001162	(B)TUBE, 6922 SILVER TESTED
V5-8	4	32000561	(B)VAC. TUBE, 6550C TESTED

## PARTS LIST

As of MAR 20 98

PRODUCT: VT50

Schematic Symbol	Quantity	ARC Part #	Description
ZD			ZENER DIODES
ZD1	1	30500300	IN4740A
ZD2	1	30504210	DIODE, ZENER IN5535A (KNOX)
ZD3,4	2	31000705	FET, GREEN
ZD5	1	30503500	IN5359A OR B