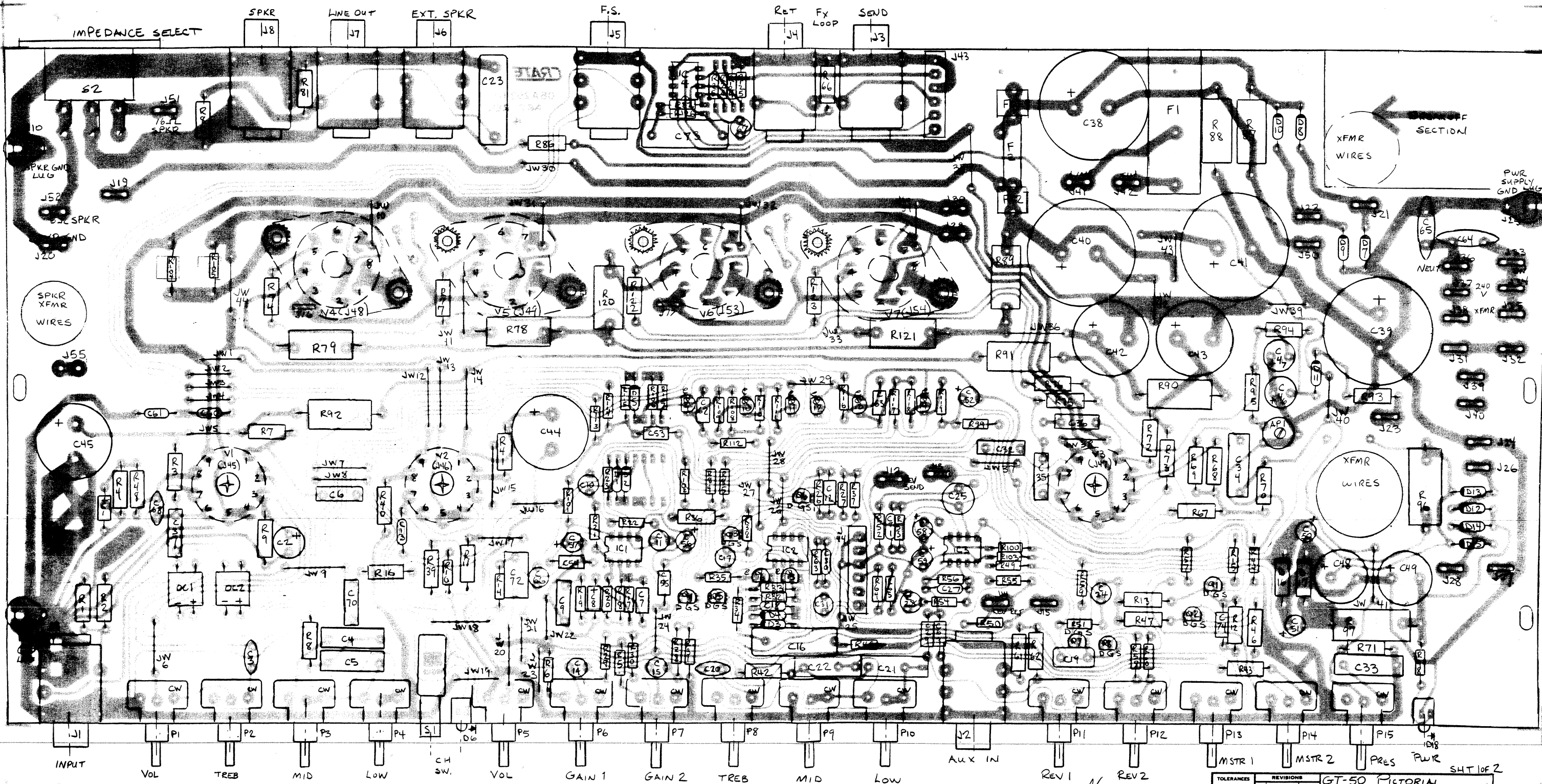


NOTE *
(SEE SHT. 2)
PARTS LIST

AS SHOWN
GT-50 PICTORIAL

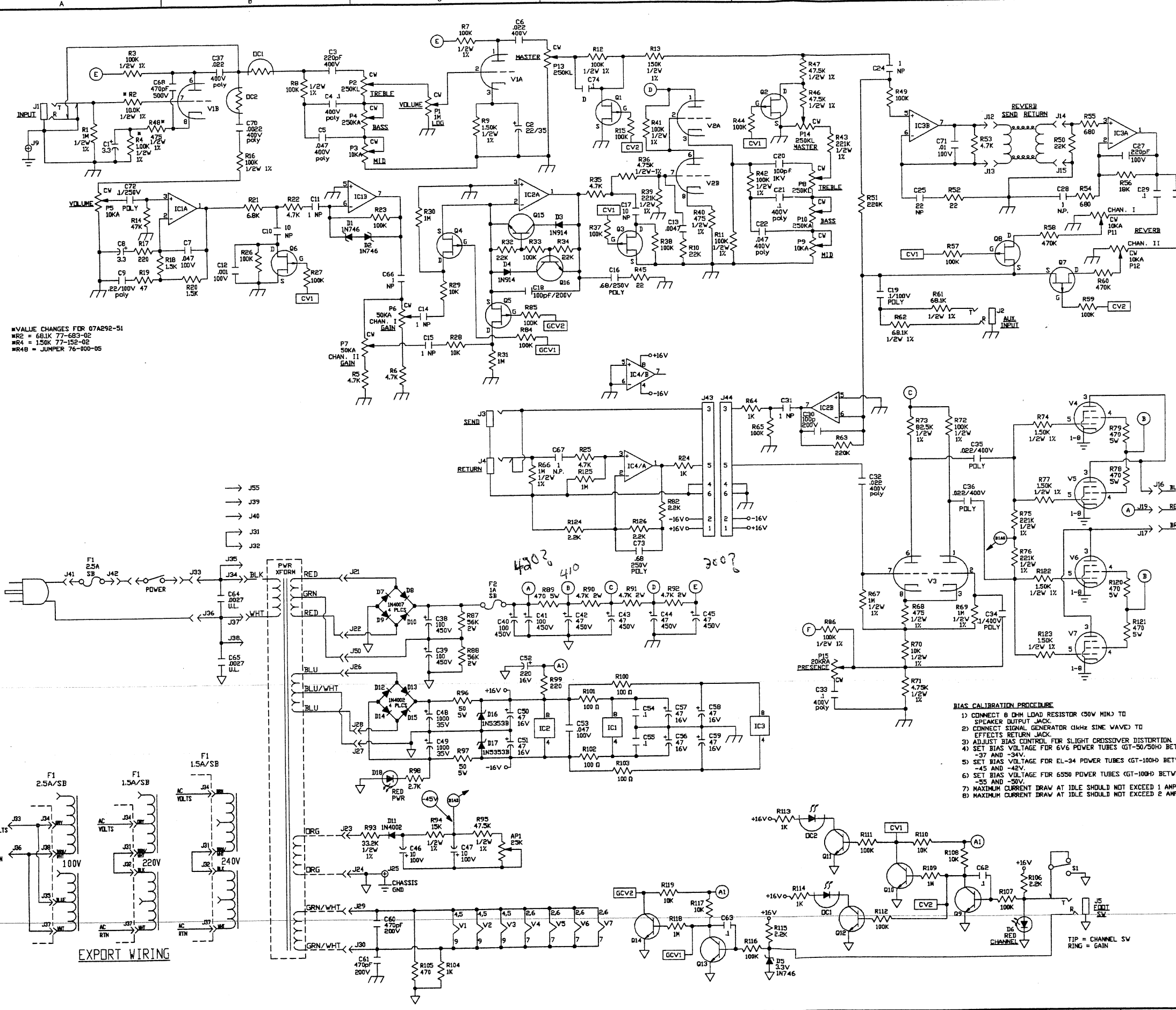
R48 BECOMES JW45.
R2 FROM 10K TO 68K, R4 FROM 1K TO 1.5K
GT-50H PICTORIAL



REV A: MOVED J16, J17
REV B: ART TO REV "3" - ADDED JW44, DELETED 4 SPACERS UNDER R104 + R105
REV C: ART TO REV "2" - CAN BE ASSY 50, 50H, 100H

TOLERANCES				REVISIONS				GT-50 PICTORIAL			
UNLESS AS NOTED	NO.	DATE	BY	NO.	DATE	BY		NO.	DATE	BY	
DECIMAL	1	12-20-91	REM	1	12-20-91	REM		1	12-20-91	REM	
FRACTIONAL	2	4-22-92	D11	2	4-22-92	D11		2	4-22-92	D11	
ANGULAR	3	6/1/92	SMR	3	6/1/92	SMR		3	6/1/92	SMR	
	4			4				4			
	5			5				5			
	6			6				6			
	7			7				7			
	8			8				8			
	9			9				9			
	10			10				10			
	11			11				11			
	12			12				12			
	13			13				13			
	14			14				14			
	15			15				15			
	16			16				16			
	17			17				17			
	18			18				18			
	19			19				19			
	20			20				20			
	21			21				21			
	22			22				22			
	23			23				23			
	24			24				24			
	25			25				25			
	26			26				26			
	27			27				27			
	28			28				28			
	29			29				29			
	30			30				30			
	31			31				31			
	32			32				32			
	33			33				33			
	34			34				34			
	35			35				35			
	36			36				36			
	37			37				37			
	38			38				38			
	39			39				39			
	40			40				40			
	41			41				41			
	42			42				42			
	43			43				43			
	44			44				44			
	45			45				45			
	46			46				46			
	47			47				47			
	48			48				48			
	49			49				49			
	50			50				50			
	51			51				51			
	52			52				52			
	53			53				53			
	54			54				54			
	55			55				55			
	56			56				56			
	57			57				57			
	58			58				58			
	59			59				59			
	60			60				60			
	61			61				61			
	62			62				62			
	63			63				63			
	64			64				64			
	65			65				65			
	66			66				66			
	67			67				67			
	68			68				68			
	69			69				69			
	70			70				70			
	71			71				71			
	72			72				72			
	73			73				73			
	74			74				74			
	75			75				75			
	76			76				76			
	77			77				77			
	78			78				78			
	79			79				79			
	80			80				80			
	81			81				81			
	82			82				82			
	83			83				83			
	84			84				84			
	85			85				85			
	86			86				86			
	87			87				87			
	88			88				88			
	89			89				89			
	90			90				90			
	91			91				91			
	92			92				92			
	93			93				93			
	94			94				94			
	95			95				95			
	96			96				96			
	97			97				97			
	98			98				98			
	99			99				99			
	100			100				100			

SHT 1 OF 2



VALUE CHANGES FOR 07A292-S1
R2 = 68.1K 77-683-02
R4 = 150K 77-152-02
R4B = JUMPER 76-000-05

DL02	IN746	21A146-01
D3,D4	IN914	21A914-01
D5	IN746	21A146-01
D6	RED LED ASSY	21-501-01
D7-D10	IN4007	21A407-01
D11-D15	IN4002	21A402-01
D16,D17	IN5353B	21-553-01
D18	RED LED ASSY	21-501-01
Q1-Q8	J176 FET	96-176-01
Q9	2N5210	96-510-01
Q10-Q12	MPSA13 NPN DARL.	96-013-01
Q13	2N5210	96-510-01
Q14	MPSA13 NPN DARL.	96-013-01
Q15,Q16	2N5210	96-510-01
IC1,IC2	TLD-72CP	37-072-01
IC3	NE5532	37-532-01
IC4	TLD-72CP	37-072-01
DC1,DC2	VTL-SC1	66-104-01
API	25K TRIMPOT	71-253-25
P1	1M LDR	70-105-22
P2	250K POT	70-306-01
P3,P5	10KA	70-103-22
P4,P10	250KA POT	70-254-22
P6,P7	50KA POT	70-503-22
P8	250K POT	70-306-01
P9,P11,P12	10KA	70-103-22
P13,P14	250K POT	70-306-01
P15	20KA POT	70-203-23
J1,J2	CLIFF T/R/S JACK	39-117-01
J3,J4	CLIFF T/R/S JACK	39-116-01
J5	CLIFF T/R/S JACK	39-117-01
J6-J8	W6 GROUND LUG	39-116-01
J9,J10	187 ST. PC TAB	17-894-01
J12-J15	836TP 25FST TB	17-836-01
J16-J17	836TP 25FST TB	17-836-01
J18	W6 GROUND LUG	17-836-01
J19-J21	836TP 25FST TB	17-836-01
J22	187 ST. PC TAB	17-894-01
J23-J24	836TP 25FST TB	17-836-01
J25	187 ST. PC TAB	17-894-01
J26-J28	836TP 25FST TB	17-836-01
J29	187 ST. PC TAB	17-894-01
J30-J31	836TP 25FST TB	17-836-01
J32	187 ST. PC TAB	17-894-01
J33-J34	836TP 25FST TB	17-836-01
J35	187 ST. PC TAB	17-894-01
J36-J37	836TP 25FST TB	17-836-01
J38	187 ST. PC TAB	17-894-01
J39	8 PIN TUBE SOCKET	17-450-09
J40-J41	8 PIN TUBE SOCKET	17-450-08
J42-J43	836TP 25FST TB	17-836-01
J44-J45	8 PIN TUBE SOCKET	17-450-08
J46-J47	836TP 25FST TB	17-836-01
J48-J49	8 PIN TUBE SOCKET	17-450-08
J50-J52	836TP 25FST TB	17-836-01
J53-J54	8 PIN TUBE SOCKET	17-450-08
J55	836TP 25FST TB	17-836-01
F1	2.5A SB	23-309-01
F2	1 AMP SLD-BLO	23-301-05
FC1,FC2	3AG FUSE CLIP	23-926-01
FC3	FUSE HOLDER	23-346-01
FC4	FUSEHOLDER CAP	23-346-11
SW1	DPDT/SW/BLK	88-302-03
SW2	SLIDE SWITCH	88-220-01

- NOTES
- 1) CAUTION! SHOCK HAZARD!! THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 - 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
 - 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMEETER.
 - 4) CIRCUIT GROUND ∇ SWITCH GROUND ∇ CHASSIS GROUND ∇

- BIAS CALIBRATION PROCEDURE
- 1) CONNECT 8 OHM LOAD RESISTOR (30W MIN) TO SPEAKER OUTPUT JACK.
 - 2) CONNECT SIGNAL GENERATOR (1kHz SINE WAVE) TO EFFECTS RETURN JACK.
 - 3) ADJUST BIAS CONTROL FOR SLIGHT CROSSOVER DISTORTION.
 - 4) SET BIAS VOLTAGE FOR 6V6 POWER TUBES (GT-50/50H) BETWEEN -37 AND -34V.
 - 5) SET BIAS VOLTAGE FOR EL-34 POWER TUBES (GT-100H) BETWEEN -45 AND -42V.
 - 6) SET BIAS VOLTAGE FOR 6550 POWER TUBES (GT-100H) BETWEEN -55 AND -50V.
 - 7) MAXIMUM CURRENT DRAW AT IDLE SHOULD NOT EXCEED 1 AMP FOR GT-50/50H.
 - 8) MAXIMUM CURRENT DRAW AT IDLE SHOULD NOT EXCEED 2 AMP FOR GT-100H.

CAUTION:
THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

SIGNATURES:	DATE:	
DRAWN: MGA	10/15/91	
CHK'D: L. JACKSON	10/15/91	
APP'D: L. JACKSON	10/15/91	
ORIGINAL ISSUED:	11/12/91	
PLOT DATE:	06/05/92	PROJECT NAME:
PLOT TIME:	09:13:37	GT-50/GT-50H
FILE NAME:	S29201	DRAWING NAME:
		SCHEMATIC DRAWING
		DRAWING NO. 07S292-01
		SCALE: 1:1 SHEET: 1 OF 1