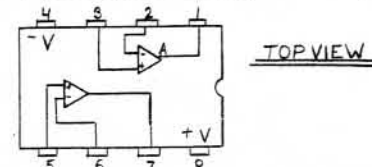


G-40C AMPLIFIER P.C. BOARD
 ASSY: 07-504-01
 PREAMP

NOTES:
 1) UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE IN OHMS, 1/4 W, 5%. ALL CAPACITORS ARE IN MICROFARADS. HAVE A 50V RATING.
 2) TYPICAL IC1 & 2, PN4 = 0V; PN8 = +19V; IC3 & 4, PN4 = 0V, PN8 = +20V.



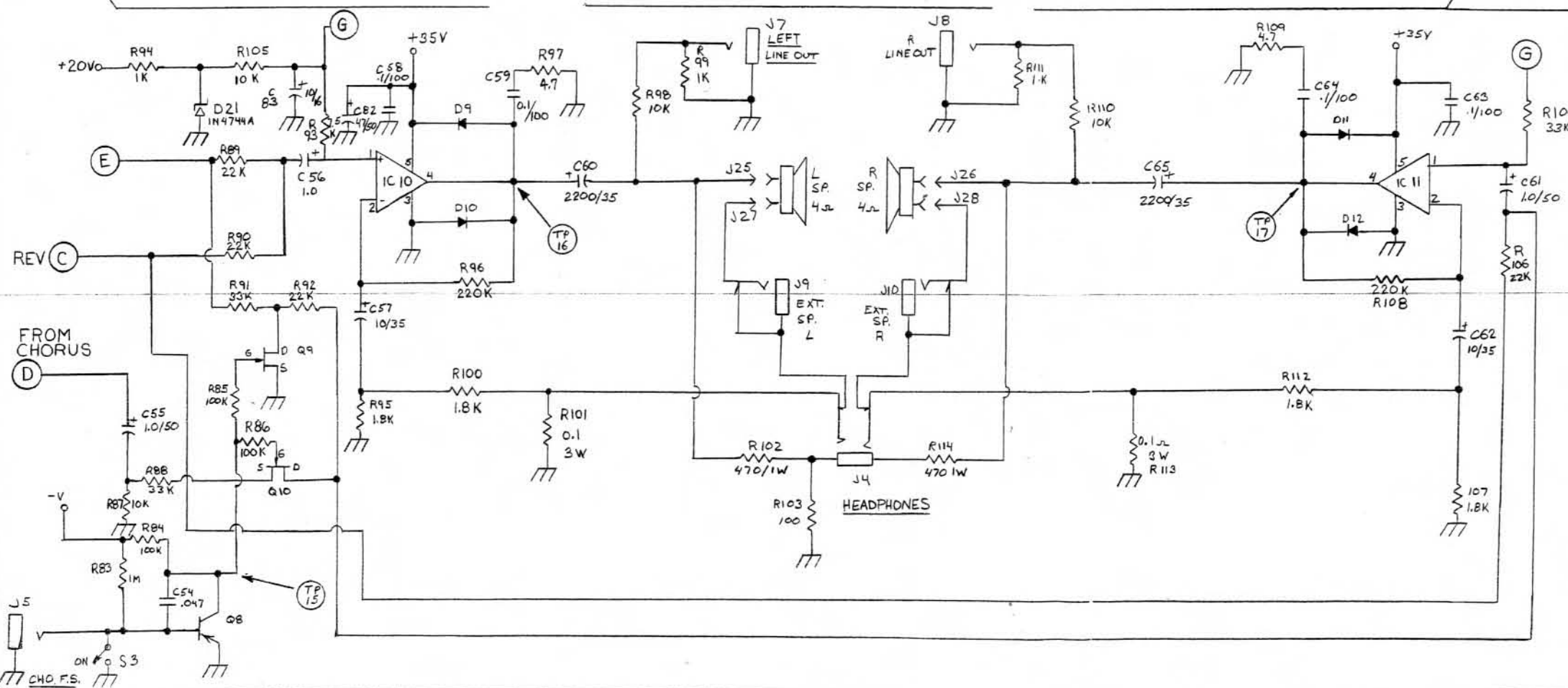
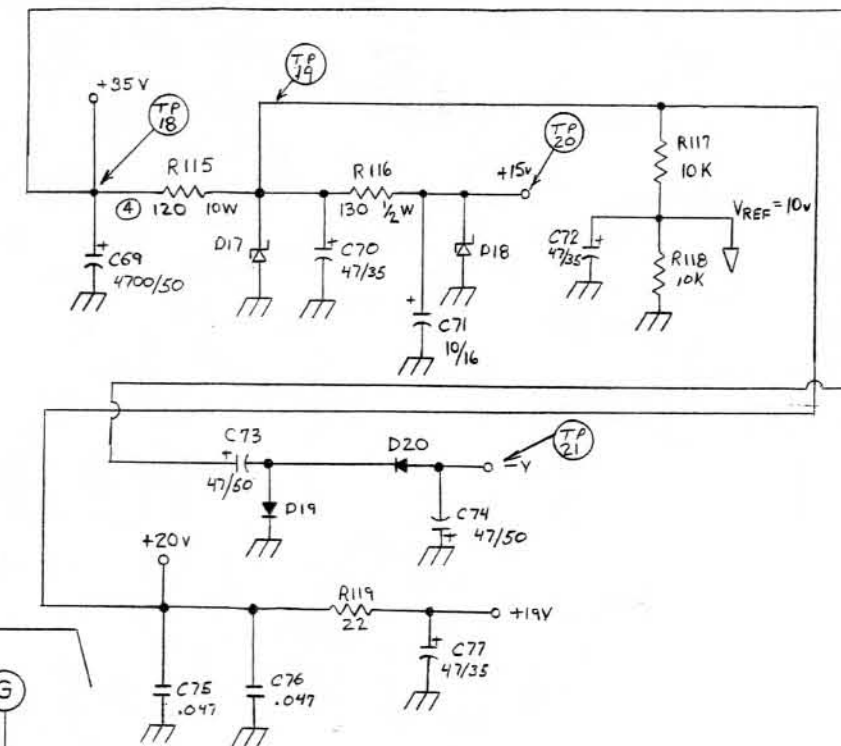
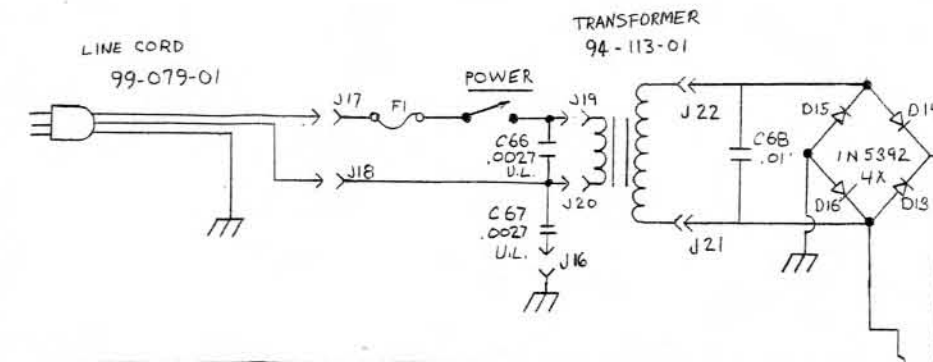
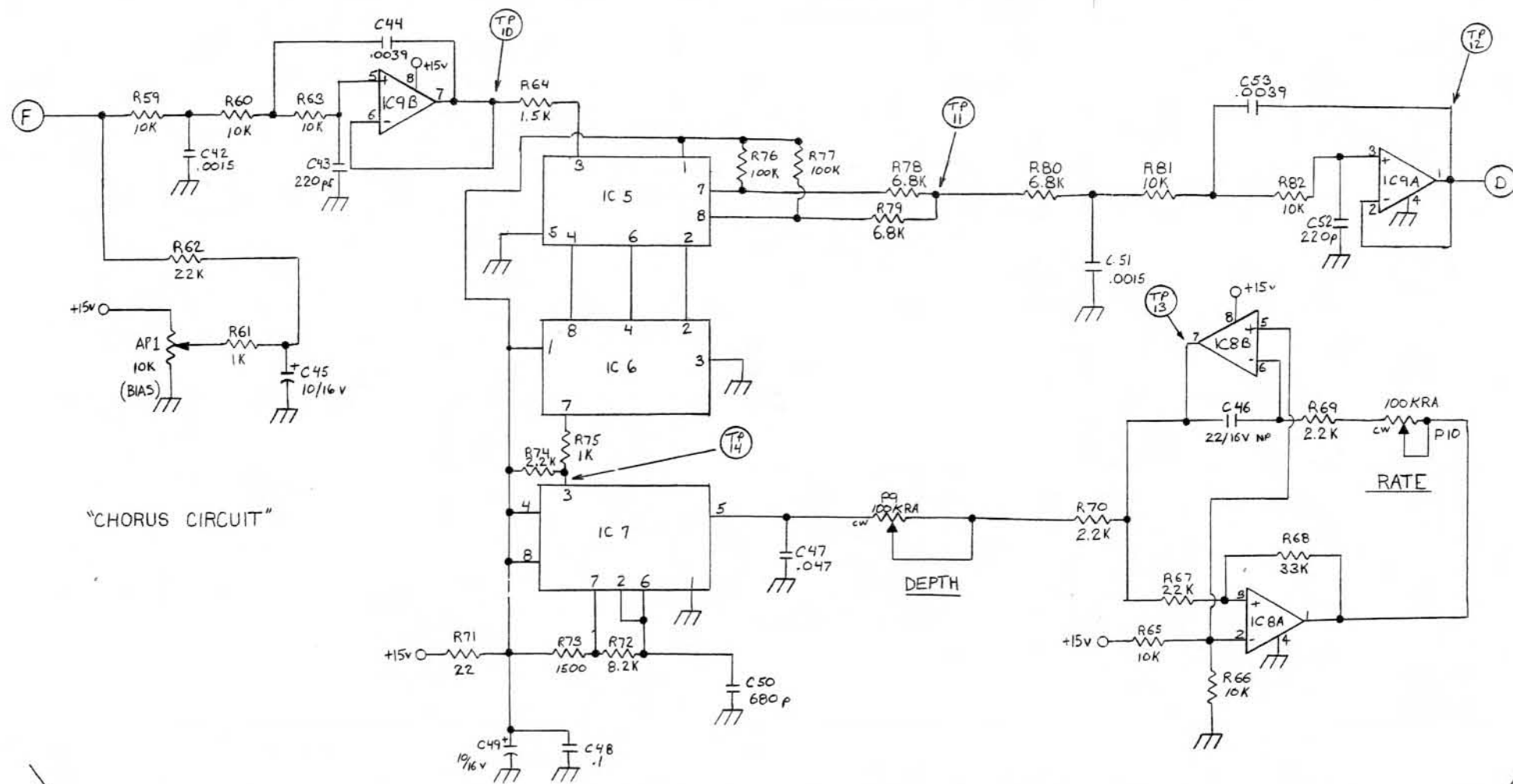
3) MEASUREMENTS AT TEST POINTS ARE MADE WITH A 1MΩ INPUT OSCILLOSCOPE UNDER THE FOLLOWING CONDITIONS: ALL CONTROLS @ 10 EXCEPT SHAPE, RATE, AND DEPTH @ "0", BRIGHT OFF, CHANNEL B SELECTED, EXCEPT NOTED BY * WHICH INDICATES CHANNEL A.
 4) 40mV P-P 1KHz INPUT (4mV P-P 1KHz INPUT FOR CHANNEL A MEASUREMENTS)

TEST POINT	WAVE FORM	VOLTAGE	TEST POINT	WAVE FORM	VOLTAGE
1	~	220mV P-P	12	~	25V P-P
*	~	22mV P-P	13	~	9V P-P
2	~	5mV P-P	14	~	15V P-P
*	~	50mV P-P	15	~	-30 VDC
3	~	120mV P-P	16	~	25V P-P
*	~	18V P-P	17	~	" "
4	~	5.5 V P-P	18	~	2VP-P
*	~	0V P-P	19	~	50mV P-P
5	~	1.6 V P-P	20	~	15 VDC
*	~	1.5V P-P (CLIPPED)	21	~	0.2VP-P
6	~	18V P-P			
7	~	300mV P-P			
8	~	25V P-P			
9	~	0 VDC			
*	~	31 VDC			
10	~	2.5 V P-P			
11	~	2.5 V P-P			

PART	DESCRIPTION	SLM PART #	PART	DESCRIPTION	SLM PART #
D1-5	2N5638	96-538-01	J1,2	1/4" Jack	39-116-01
D6	2N5637	96-537-01	J3,4	1/4" Stereo	39-117-01
D7	2N5636	96-536-01	J5	1/4" Jack	39-118-01
D8	2N5635	96-535-01	J6	1/4" Stereo	39-119-01
D9,10	2N5638	96-538-01	J7-10	1/4" Jack	39-116-01
D11	Red LED	97-224-01	J11-14	187" Tab	17-844-01
D12,13	8mm LBU	97-225-01	J15,16	Gnd Lug	17-500-01
D14,15	LED	21-117-01	J17-22	250" Tab	17-826-01
D16-18	1N914	21-314-01	J23-24	187" Tab	22-926-01
D19-12	1N4002	21-402-01	J25-28	187" Tab	17-854-01
D13-16	1N5392	21-192-01	S1-3	DPDT Switch	88-301-01
D17	1N5357A	21-557-01	W1,2	Flat Cable	99-124-01
D18	1N4744A	21-444-01	W3,4	Wire Assy	97-151-01
D19,20	1N4002	21-402-01	F1	2A 250V Fuse	23-302-01
D21	1N4744A	21-444-01	JW1-39	0 Ohm Jumper	76-000-01
P1	100KRA	70-104-23			
P2	50KRL	70-133-01			
P3	50KRA	70-503-22			
P4	250KRA	70-254-22			
P5	50KRA	70-503-22			
P6	10KRA	70-103-22			
P7	50KRL	70-133-01			
P8	10KRL	70-132-01			
P9	100KRA	70-104-23			
P10	100KRA	70-104-23			
IC1-4	U4A558	37-458-01			
IC5	MN3007	37-307-01			
IC6	MN3101	37-301-01			
IC7	NE555	37-555-01			
IC8,9	U4A558	37-458-01			
IC10,11	TD40040	37-240-01			

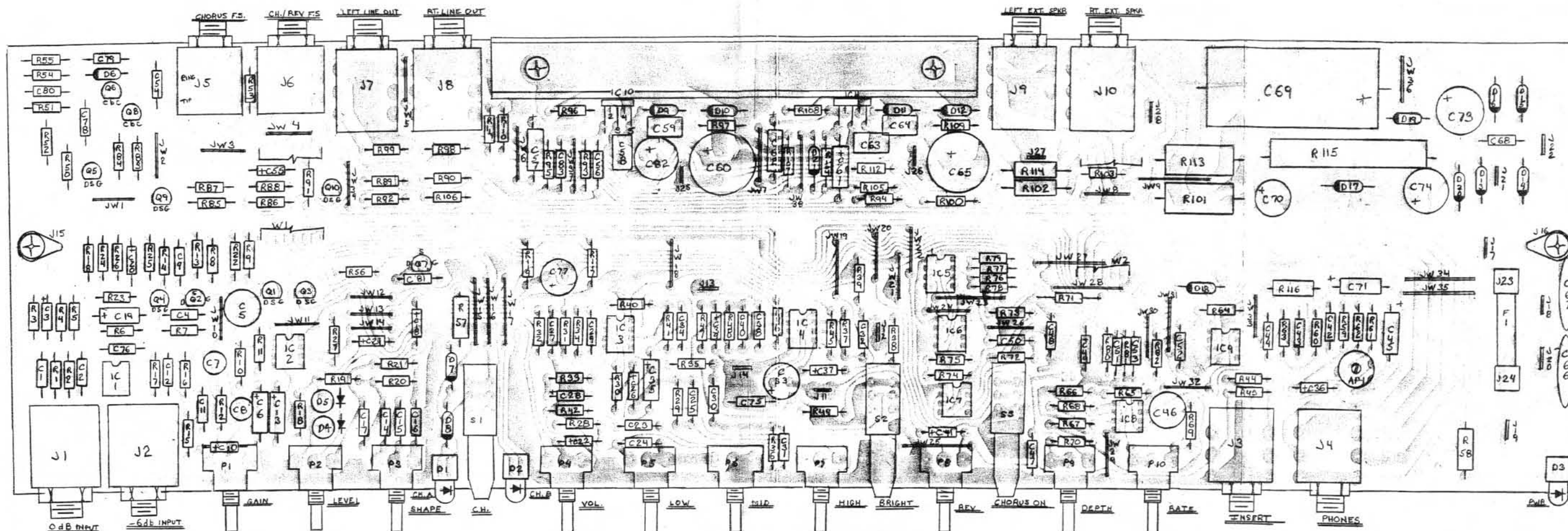
(2) NO CHANGE SHT 1

G-40C AMPLIFIER P.C. BD	
REVISIONS	SLM ELECTRONICS
1/10/78	1400 FERGUSON
2/20/77	ST. LOUIS, MO. 63133
6/11/77	TJC 11-10-86/2m
9-4-77	1 of 2
	DRAWING NO. 16-106-01



"G-40C P.C. BOARD-CHORUS & PWP AMP"
ASSY # 07-504-01

G-40C P.C. BOARD CHORUS & PWP AMP	
REVISIONS	SLM ELECTRONICS
1-20-87	1400 FERGUSON
2-20-87	ST. LOUIS MO. 63133
3-20-87	
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100-1-87	



PART	DESCRIPTION	SLM PART #	PART	DESCRIPTION	SLM PART #	PART	DESCRIPTION	SLM PART #	PART	DESCRIPTION	SLM PART #	PART	DESCRIPTION	SLM PART #
R1	22K	76-223-01	R56	1M	76-105-01	R111	1K	76-102-01	C47	.047	10A473-11	P4	250KA	76-254-02
R2	22K	76-223-01	R57	2.7K 1/2W	77-272-01	R112	1.8K	76-102-01	C48	.1	10A104-01	P5	50KA	76-503-02
R3	220K	76-224-01	R58	2.7K 1/2W	77-272-01	R113	6.1 3W	76-001-03	C49	10/16V	12A106-11	P6	10KA	76-103-02
R4	1.5K	76-152-01	R59	10K	76-103-01	R114	470 1W	76-471-01	C50	680p	10A681-11	P7	50KL	76-133-01
R5	7.5K	76-752-01	R60	10K	76-103-01	R115	120 10W	76-121-10	C51	.0015	10A152-01	P8	10KL	76-132-01
R6	1K	76-102-01	R61	1K	76-102-01	R116	130 1/2W	77-131-01	C52	220p	10A221-11	P9	100KRA	76-104-23
R7	10K	76-103-01	R62	22K	76-223-01	R117	10K	76-103-01	C53	.0039	10A392-01	P10	100KRA	76-104-23
R8	2.7K	76-272-01	R63	10K	76-103-01	R118	10K	76-103-01	C54	.047	10A473-11	IC1-4	UA4558	37-458-01
R9	100K	76-104-01	R64	1.5K	76-152-01	R119	22	76-220-01	C55	1.0/50V	12A105-51	IC5	UA4558	37-458-01
R10	50K	76-503-01	R65	10K	76-103-01	C1	.047	10A473-11	C56	1.0/50V	12A105-51	IC6	UA4558	37-458-01
R11	2.7K	76-272-01	R66	10K	76-103-01	C2	560p	10A561-11	C57	10/35V	12A105-51	IC7	UA4558	37-458-01
R12	22K	76-223-01	R67	22K	76-223-01	C3	2.2/50V	12A225-51	C58	1.1/100V	12-104-03	IC8,9	UA4558	37-458-01
R13	100K	76-105-01	R68	33K	76-333-01	C4	.047	10A473-11	C59	1.1/100V	12-104-03	IC10,11	TDA2040	37-240-01
R14	220K	76-224-01	R69	2.2K	76-222-01	C5	10/50V NP	12-106-32	C60	2200/35V	12-228-32	J1,2	1/4" Jack	39-116-01
R15	470	76-471-01	R70	2.2K	76-222-01	C6	2.2/50V	12A225-51	C61	1.0/50V	12A105-51	J3,4	1/4" Stereo	39-117-01
R16	100K	76-105-01	R71	22	76-220-01	C7	2.2/50V NP	12-225-01	C62	10/35V	12-106-32	J5	1/4" Jack	39-116-01
R17	270K	76-274-01	R72	8.2K	76-822-01	C8	2.2/50V NP	12-225-01	C63	1.1/100V	12-104-03	J6	1/4" Stereo	39-117-01
R18	4.7K	76-472-01	R73	1.5K	76-152-01	C9	.001	10A102-11	C64	1.1/100V	12-104-03	J7-10	1/4" Jack	39-116-01
R19	1K	76-102-01	R74	2.2K	76-222-01	C10	2.2/50V	12A225-51	C65	2200/35V	12-228-32	J11-14	.187" Tab	17-894-01
R20	47K	76-473-01	R75	1K	76-102-01	C11	.1	10A101-11	C66	.0027 U.L.	10-272-01	J15,16	8nd Lug	17-500-01
R21	47K	76-473-01	R76	100K	76-104-01	C12	100p	10A101-11	C67	.0027 U.L.	10-272-01	J17-22	.250" Tab	17-836-01
R22	100K	76-105-01	R77	100K	76-104-01	C13	10/35V	12-106-32	C68	.01	10A103-11	J23,24	Fuse Clip	23-926-01
R23	4.7K	76-472-01	R78	6.8K	76-682-01	C14	.047	10A473-11	C69	4700/50V	12-476-01	J25-28	.187" Tab	17-894-01
R24	4.7K	76-472-01	R79	6.8K	76-682-01	C15	.01	10A103-11	C70	47/35V	12-476-32	S1-3	DPDT Switch	88-301-01
R25	100K	76-105-01	R80	6.8K	76-682-01	C16	.022	10A223-01	C71	10/16V	12-476-11	M1,2	Flat Cable	99-124-01
R26	47K	76-473-01	R81	10K	76-103-01	C17	560p	10A561-11	C72	47/35V	12-476-32	M3,4	Wire Assy	97-151-24
R27	220K	76-224-01	R82	10K	76-103-01	C18	2.2/50V	12A225-51	C73	47/50V	12-476-52	F1	2A 3AG Fuse	23-302-01
R28	22K	76-223-01	R83	1M	76-105-01	C19	10/35V	12-106-32	C74	47/50V	12-476-52	JW1-39	0 Ohm Jumper	76-000-01
R29	1M	76-105-01	R84	100K	76-104-01	C20	2.2/50V	12A225-51	C75	.047	10A473-11			
R30	100K	76-104-01	R85	100K	76-104-01	C21	2.2/50V	12A225-51	C76	.047	10A473-11			
R31	1M	76-105-01	R86	100K	76-104-01	C22	2.2/50V	12A225-51	C77	47/35V	12-476-32			
R32	150K	76-154-01	R87	10K	76-103-01	C23	.0015	10A152-01	C78	.047	10A473-11			
R33	100K	76-104-01	R88	33K	76-333-01	C24	.047	10A473-11	C79	.047	10A473-11			
R34	220K	76-224-01	R89	22K	76-223-01	C25	220p	10A221-11	C80	.1	10A104-01			
R35	33K	76-333-01	R90	22K	76-223-01	C26	2.2/50V	12A225-51	C81	.022	10A223-01			
R36	1M	76-105-01	R91	33K	76-333-01	C27	50p	10A500-11	C82	47/50V	12-476-52			
R37	220K	76-224-01	R92	22K	76-223-01	C28	2.2/50V	12A225-51	C13	10/16V	12A106-11			
R38	10K	76-103-01	R93	7.5K	76-752-01	C29	50p	10A500-11	G1-5	2N5638	96-558-01			
R39	22	76-220-01	R94	1K	76-102-01	C30	.001	10A102-11	O6	2N5067	96-567-01			
R40	15K	76-153-01	R95	1.8K	76-182-01	C31	50p	10A500-11	O7	2N5638	96-558-01			
R41	22K	76-223-01	R96	220K	76-224-01	C32	.047	10A473-11	O8	2N5067	96-567-01			
R42	1M	76-105-01	R97	4.7	76-472-01	C33	47/35V	12-476-32	O9,10	2N5638	96-558-01			
R43	1K	76-102-01	R98	10K	76-103-01	C34	220p	10A221-11	D1	Red LED	97-224-01			
R44	470	76-471-01	R99	1K	76-102-01	C35	10/35V	12-106-32	D2,3	Grn LED	97-225-01			
R45	20K	76-203-01	R100	1.8K	76-182-01	C36	2.2/50V	12A225-51	D4,5	LED	21-117-01			
R46	22K	76-223-01	R101	6.1 3W	76-001-03	C37	2.2/50V	12A225-51	D6-8	1N914	21A914-01			
R47	2.7K	76-272-01	R102	470 3W	76-471-01	C38	.047	10A473-11	D9-12	1N4002	21A4002-01			
R48	47K	76-473-01	R103	100	76-100-01	C39	2.2/50V	12A225-51	D13-16	1N5392	21A5392-01			
R49	4.7K	76-472-01	R104	33K	76-333-01	C40	.0015	10A152-01	D17	1N537A	21A537A-01			
R50	100K	76-104-01	R105	10K	76-103-01	C41	2.2/50V	12A225-51	D18	1N4744A	21A4744A-01			
R51	60K	76-603-01	R106	22K	76-223-01	C42	.0015	10A152-01	D19,20	1N4002	21A4002-01			
R52	470K	76-474-01	R107	1.8K	76-182-01	C43	220p	10A221-11	D21	1N4744A	21A4744A-01			
R53	10K	76-103-01	R108	220K	76-224-01	C44	.0039	10A392-01	P1	100KRA	76-104-23			
R54	220K	76-224-01	R109	4.7	76-472-01	C45	10/35V	12-106-32	P2	50KL	76-133-01			
R55	60K	76-603-01	R110	10K	76-103-01	C46	22/16V NP	12-226-02	P3	50KL	76-503-02			

NOTE: 1) UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE IN OHMS, 1/4 WATT, 5%. AND ALL CAPACITORS ARE IN MICROFARADS AND HAVE A 50 VOLT RATING.

PCB# 06A211-01
DESIGNED FOR A-1

G-40-C PICTORIAL
ASSY: 07-211-01

REVISIONS
D3-2-87

4-22-87
TJC

6-17-87
TJC

11-6-86
TJC

1400 FERGUSON ST. LOUIS MO 63133
SCALE 1/8" = 1"

ART REV COMPONENT CHG.
ART REV COMPONENT MOVE
ART REV COMPONENT MOVE, VALUE