

937, 738 ARE H.P., OUR NO. 300011004 30002100. 939, 40 ARE H.P., OUR NO. 30002400 & 30002500.

TRACKING REGULATOR, PART OF PMB16016010

CHANNEL 1 SHOWN

NOTES:

1-C1-4,9-12	30.000uF, 50VOLT	MA5 1.8K, 2W
2-C5-8	1,900uF, 100 VOLT	9-P-PL1-6 #1895 551/05A LAMP
3-C5, 4,6	MA5 90uF, 75 VOLT	10-F23 250MA DIGITAL S.I.O.-BL0
4-CR1-4	IN4005 1A, 600V	11-F4-7 3 A NORMAL BLOW 16R
5-CR5	MA5 IN4003	4A NORMAL BLOW 82
6-R1, 2, 3	400R, 5W	6A NORMAL BLOW 40
7-R128	MA5 4.0K, 5W (240V)	

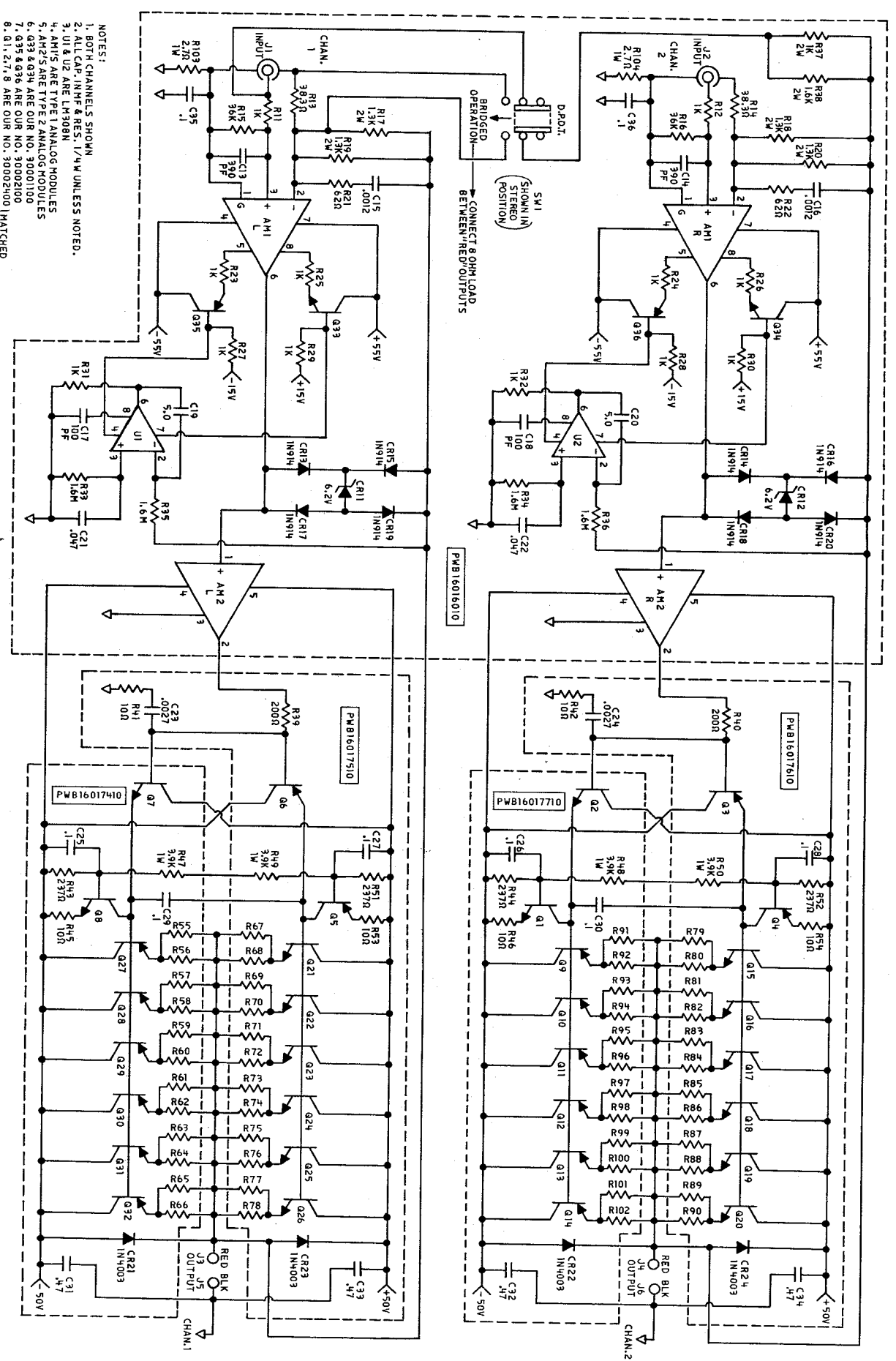
AUDIO RESEARCH CORPORATION
MINNEAPOLIS, MINNESOTA

DATE: 10-9-78
BY: [Signature]
CHK: [Signature]

SCHEMATIC
D-110 POWER SUPPLY

910050-10A

- NOTES:
1. BOTH CHANNELS SHOWN
 2. ALL CAP., INP. & RES. 1/4 W UNLESS NOTED.
 3. U1 & U2 ARE LM 100B
 4. U1 & U2 ARE TYPE 1 ANALOG MODULES
 5. AM1'S ARE TYPE 2 ANALOG MODULES
 6. Q93 & Q94 ARE OUR NO. 30001100
 7. Q95 & Q96 ARE OUR NO. 30002100
 8. Q97 & Q98 ARE OUR NO. 30002500
 9. Q99 & Q100 ARE OUR NO. 30002500
 10. Q99 & Q100 ARE OUR NO. 30002500
 11. Q99 & Q100 ARE OUR NO. 30002500
 12. R55-102 ARE 2.2M, 5%



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AUDIO RESEARCH CORPORATION	
MINNEAPOLIS, MINNESOTA	
DATE	REV.
10-9-78	1
SCHEMATIC	
D-110 AMPLIFIER	
910051-10 A	

D-110 PARTS LIST

COMPONENT	QUAN.	DESCRIPTION	VALUE	RATING	TOL.	OUR PART NO.
AM1	2	Type AM1, Analog Module				AM-1
AM2	2	Type AM2, Analog Module				AM-2
U1, U2	2	LM308N Op-Amp				31000300
Q1, 2, 7, 8, 39	5	NPN Transistor				300024XX
Q3, 4, 5, 6, 40	5	PNP Transistor				300025XX
Q9-14, 27-32	12	PNP Transistor				300027XX
Q15-26	12	NPN Transistor				300026XX
Q33, 34, 37	3	NPN Transistor				30001100
Q35, 36, 38	3	PNP Transistor				30002100
BR1, 2	2	VK248 Bridge Rectifier	200V	30A		30501900
CR1-4	4	1N4005 Diode	600V	1A		30500400
CR5	1	1N4006 Diode	800V	1A		30502200
CR9, CR10	2	0.5M15ZS1 Zener	15V	500MW	1%	30501800
CR11, CR12	2	1N5234B Zener	6.2V	500MW	5%	30502100
CR13-20	8	1N914				30500900
CR21-24, 28-32	14	1N4003 Diode	200V	1A		30501700
R1-3	3	Wire Wound	400Ω	5W		43400200
R11, 12, 31, 32	4	Carbon Comp.	1K	1/4W	5%	41100302
R13, R14	2	Metal Film	38.3Ω	1/4W	1%	42383102
R15, R16	2	Carbon Comp.	36K	1/4W	5%	41360402
R17-20	4	Metal Film	1.3K	2W	2%	46130301
R21, R22	2	Carbon Comp.	62Ω	1/4W	5%	41620102
R23-30, 107, 108	10	Metal Film	1K	1/4W	1%	42100302
R33-36	4	Carbon Comp.	1.6M	1/4W	5%	41160602
R37	1	Metal Film	1K	2W	2%	46100301
R38	1	Metal Film	1.6K	2W	2%	46160301
R39, R40	2	Carbon Comp.	200Ω	1/4W	5%	41200202
R41, R42	2	Carbon Comp.	10Ω	1/4W	5%	41100102
R43, 44, 51, 52	4	Metal Film	237Ω	1/4W	1%	42237202
R45, 46, 53, 54	4	Metal Film	10Ω	1/4W	1%	42100102
R47-50	4	Metal Film	3.9K	1W	2%	46390301
R55-104	50	Carbon Comp.	2.7Ω	1W	5%	41270004
R105-106	2	Carbon Comp.	51K	1/2W	5%	41510403
R109, 111-113	4	Metal Film	4.3K	1W	2%	46430301
R110	1	Metal Film	2.7K	1W	2%	46270301
R121-124	8	Carbon Comp.	15Ω	1W	5%	41150104
R125, 126	4	Carbon Comp.	27K	1/4W	5%	41270402
R127	1	Wire Wound	600Ω	5W	5%	43600200
R128	1	Wire Wound	3.3K	7W	5%	43330300
C1-4, 9-12	8	Electrolytic	30,000μF	60V	-10/+75%	50301000
C5-8, 41-44	8	Electrolytic	1,900μF	100V	-10/+75%	50190900
C13, C14	2	Dipped Silver Mica	390pF	500V	5%	57390200
C15, C16	2	Metalized Mylar	.0012μF	200V	10%	53120301
C17, C18	2	Dipped Silver Mica	100pF	500V	5%	57100201
C19, 20	2	Metalized Mylar	5.0μF	200V	10%	53500601
C21, 22, 37, 38, 47, 48	6	Metalized Mylar	.047μF	200V	10%	53470401
C23, 24	2	Metalized Mylar	.0027μF	200V	10%	53270301
C25-30, 35, 36	8	Metalized Mylar	.1μF	200V	10%	53100503
C31-34	4	Metalized Mylar	.47μF	200V	10%	53470504
C39, 40	2	Electrolytic	140μF	40V	-10/+75%	50140801
C45, 46, 51	4	Metalized Mylar	1μF	100V	10%	53100600
C52	1	Electrolytic	50μF	150V		50500700
F1	1	5 A Slo-blo		125V		34500501
		8 A Slo-blo		125V		34500802
F1	1	3.2 A Slo-blo		250V		34500400
		4 A Slo-blo		250V		34500701
F2, 3	2	1/4A Slo-blo, pigtail		250V		34500101
F4, 7	4	3 A Normal Blow		125V		34501600
		4 A Normal Blow		125V		34500702
		6 A Normal Blow		125V		34500600
T1, 2	2	Transformer				60003101
SW1	1	Stereo-Mono Switch				24100500
SW2	1	Thermostat				24300100
SW3	1	Power Switch				24100700
SW4	1	Fan Speed Switch				24100800
J1, 2	2	Phono Jack				23201000
J3, 4	2	Binding Post - Red				23102500
J5, 6	2	Binding Post - Black				23102600
M1	1	Line Voltage Meter				65000110
M2	2	Power Monitor Meter				65000210
PL1-6	6	Pilot Lamp #1835		55V/.05A		34000500
K1	1	Relay	6KΩ	110VDC		64100100