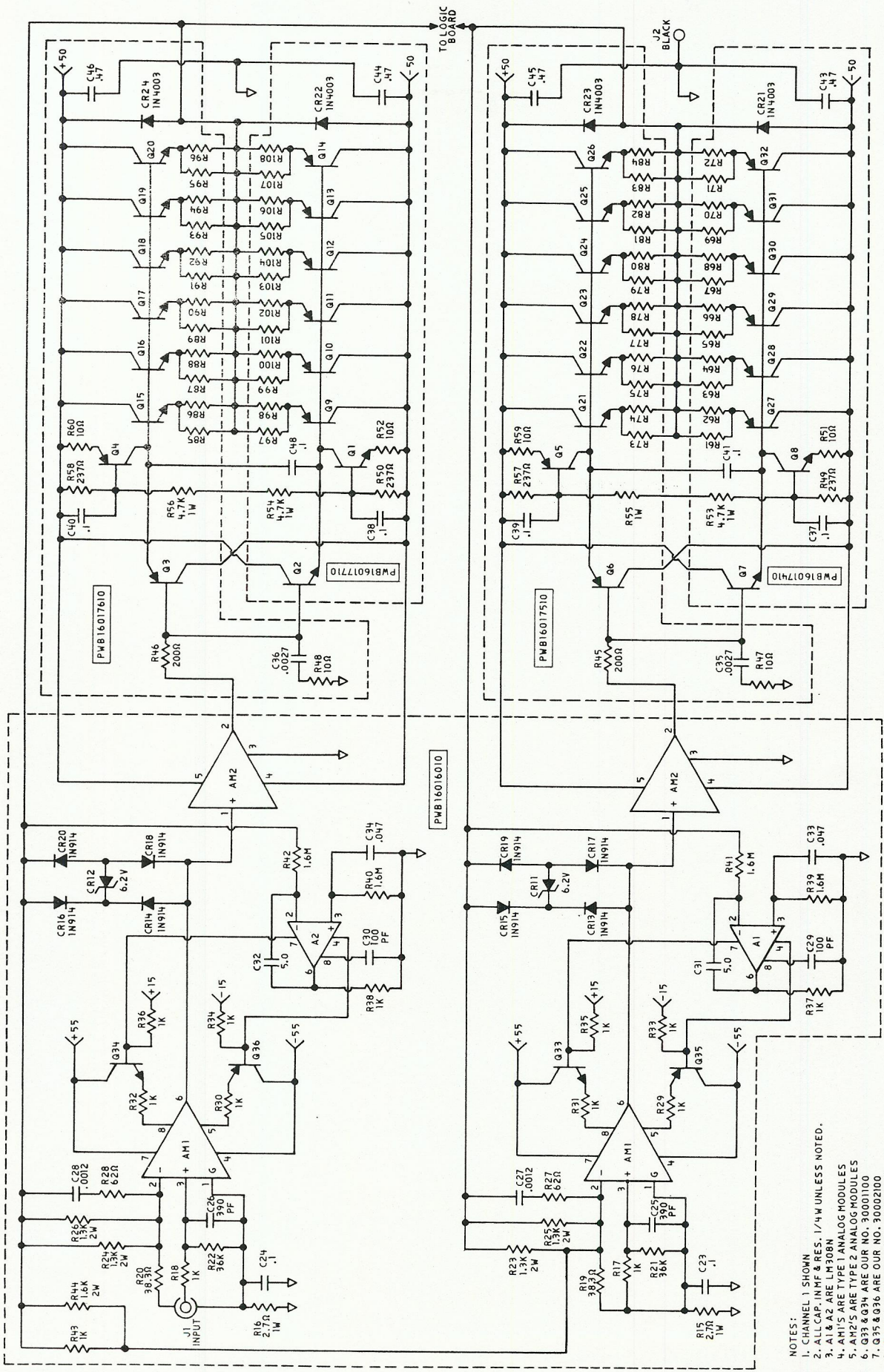


MODEL D-350 POWER AMPLIFIER
SCHEMATIC & PARTS LIST

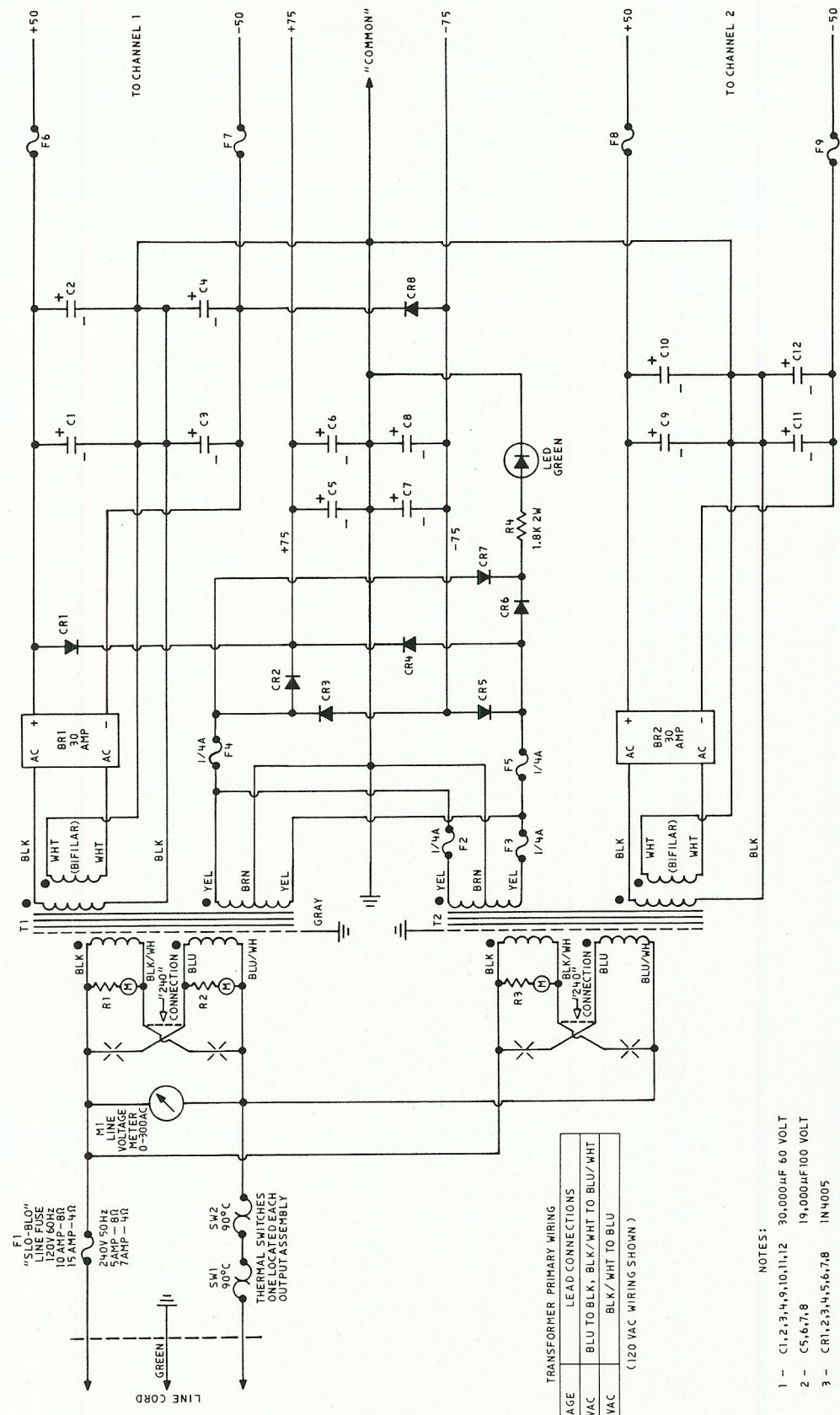
audio research corporation
2843 TWENTY-SIXTH AVENUE SOUTH
MINNEAPOLIS, MINNESOTA 55406



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- NOTES:
1. CHANNEL 1 SHOWN
 2. ALL CAP. IN MF & RES. 1/4W UNLESS NOTED.
 3. A1 & A2 ARE LM308N
 4. AM1'S ARE TYPE 1 ANALOG MODULES
 5. AM2'S ARE TYPE 2 ANALOG MODULES
 6. Q33 & Q34 ARE OUR NO. 30001100
 7. Q35 & Q36 ARE OUR NO. 30002100
 8. Q1, 2, 7, 8 ARE OUR NO. 300024000 MATCHED SET
 9. Q3, 4, 5, 6 ARE OUR NO. 300025000 SET
 10. Q9, 14, 27-32 ARE OUR NO. 300027000 MATCHED SET
 11. Q15-20, 21-26 ARE OUR NO. 300026000 SET

LAST NUMBERS
THIS DIAGRAM
A2, A4, C46,
CR2, C3, G22,
R108



TRANSFORMER PRIMARY WIRING
(120 VAC WIRING SHOWN)

VOLTAGE	LEAD CONNECTIONS
120 VAC	BLU TO BLK, BLK/WHT TO BLU/WHT
240 VAC	BLK/WHT TO BLU

- NOTES:
- 1 - C1, 2, 3, 4, 9, 10, 11, 12 30,000µF 60 VOLT
 - 2 - C5, 6, 7, 8 19,000µF 100 VOLT
 - 3 - CR1, 2, 3, 4, 5, 6, 7, 8 1N4005
 - 4 - F1 120V 60 Hz 10A SLO-BLO 80
 - 5 - F2, 3, 4, 5 240V 50 Hz 5A SLO-BLO 80
 - 6 - F6, 7, 8, 9 250 MA PIGTAIL SLO-BLO
 - 7 - BR1 & BR2 5A NORMAL BLOW 160
 - 8 - R1, 2, 3 8A NORMAL BLOW 80
 - 9 - R4 10A NORMAL BLOW 48

LAST NUMBERS
THIS DIAGRAM
T2, BR2, F9,
SW2, CR8,
R4, C12, M1

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D350 PARTS LIST

COMPONENT	QUAN.	DESCRIPTION	VALUE	RATING	TOL.	OUR PART NO.
AM1	4	Type AM1, Analog Module				AM-1
AM2	4	Type AM2, Analog Module				AM-2
A1, A2	4	LM308N Op-Amp				31000300
Q1, 2, 7, 8, 39	10	NPN				300024XX
Q3, 4, 5, 6, 40	10	PNP				300025XX
Q9-14, 27-32	24	PNP				300027XX
Q15-26	24	NPN				300026XX
Q33, 34, 37, 48	6	NPN				30001100
Q35, 36, 38	6	PNP				30002100
Q41, 43, 45, 46, 47	10	2N2222				30000700
Q42, 44	4	2N2907				30000800
R1, 2, 3	3	Wire Wound	400Ω	5W	5%	43400200
R4	1	Carbon Comp.	1.8K	2W	5%	41180305
R5, 6	4	Carbon Comp.	51K	1/4W	5%	41510402
R7, 8, 29-36	20	Metal Film	1K	1/4W	1%	42100302
R9, 11, 12, 13	8	Metal Film	4.3K	1W	2%	46430304
R10	2	Metal Film	2.7K	1W	2%	46270304
R15, 16, 61-108	50	Carbon Comp.	2.7Ω	1W	5%	41270004
R17, 18, 37, 38	8	Carbon Comp.	1K	1/4W	5%	41100302
R19, 20	4	Metal Film	38.3Ω	1/4W	1%	42383102
R21, 22	4	Carbon Comp.	36K	1/4W	5%	41360402
R23, 24, 25, 26	8	Metal Film	1.3K	2W	2%	46130305
R27, 28	4	Carbon Comp.	62Ω	1/4W	5%	41620102
R39-42	8	Carbon Comp.	1.6M	1/4W	5%	41160602
R43	2	Metal Film	1K	2W	2%	46100305
R44	2	Metal Film	1.6K	2W	2%	46160305
R45, 46	4	Carbon Comp.	200Ω	1/4W	5%	41200202
R47, 48	4	Carbon Comp.	10Ω	1/4W	5%	41100102
R49, 50, 57, 58	8	Metal Film	237Ω	1/4W	1%	42237202
R51, 52, 59, 60	8	Metal Film	10Ω	1/4W	1%	42100102
R53-56	8	Metal Film	4.7K	1W	2%	46470304
R109, 110, 112-115	12	Carbon Comp.	100K	1/4W	5%	41100502
R111, 119	4	Carbon Comp.	47K	1/4W	5%	45470402
R116, 118	4	Carbon Comp.	10K	1/2W	5%	41100403
R117, 120	4	Carbon Comp.	620Ω	2W	5%	41620205
R121-124	8	Carbon Comp.	15Ω	1W	5%	41150104
R125, 126	4	Metal Film	48.7K	1/4W	1%	42487402
C1-4, 9-12	8	Electrolytic	30,000μF	60V	-10/+75%	50301000
C5-8, 17, 18	8	Electrolytic	1,900μF	100V	-10/+75%	50190900
C13, 14, 21, 22, 33, 34	12	Metalized Mylar	.047μF	200V	10%	53470401
C15, 16	4	Electrolytic	140μF	40V	-10/+75%	50140801
C19, 20	4	Electrolytic	90μF	75V	-10/+75%	50900701
C23, 24, 37-42	16	Metalized Mylar	.1μF	200V	10%	53100503
C25, 26	4	Dipped Silver Mica	390pF	500V	5%	57390200
C27, 28	4	Metalized Mylar	.0012μF	200V	10%	53120301
C29, 30	4	Dipped Silver Mica	100pF	500V	5%	57100201
C31, 32	4	Metalized Mylar	5.0μF	200V	10%	53500601
C35, 36	4	Metalized Mylar	.0027μF	200V	10%	53270301
C43-46	8	Metalized Mylar	.47μF	200V	10%	53470504
C47, 48	4	Electrolytic	300μF	6V	-10/+75%	50300801
C49	2	Metalized Mylar	.01μF	200V	10%	53100400
C50	2	Metalized Mylar	5μF	200V	10%	53500601
C51	2	Metalized Mylar	1μF	100V	10%	53100600

D350 PARTS LIST

<u>COMPONENT</u>	<u>QUAN.</u>	<u>DESCRIPTION</u>	<u>VALUE</u>	<u>RATING</u>	<u>TOL.</u>	<u>OUR PART NO.</u>
CR1-8,28-32	18	1N4005				30500400
CR9,10	4	0.5M15ZS1	15V	500MW	1%	30501800
CR11,12	4	1N5234B	6.2V	500MW	5%	30502100
CR13-20,25	18	1N914				30500900
CR26	2	1N3070				30501400
F1	1	10 A Slo-blo		125V		34501011
		15 A Slo-blo		125V		34501510
F1	1	5 A Slo-blo		240V		34500501
		7 A Slo-blo		240V		34500702
F2-5	4	1/4A Slo-blo,pigtail				34500101
F6-9	4	5 A Normal Blow				34500503
		8 A Normal Blow				34500800
		10 A Normal Blow				34501010
F-10	2	5 A Fast Blow				34500504
T1,2	2	Transformer				60003101
SW1,2	2	Thermostat				24300100
LED	1	LED - Green				34300100
J1	2	Phono Jack				23201000
J2	2	Binding Post - Black				23102600
J3,4	4	Binding Post - Red				23102500
M1	1	Line Voltage Meter				65000110
M2	2	Power Monitor Meter				65000218