

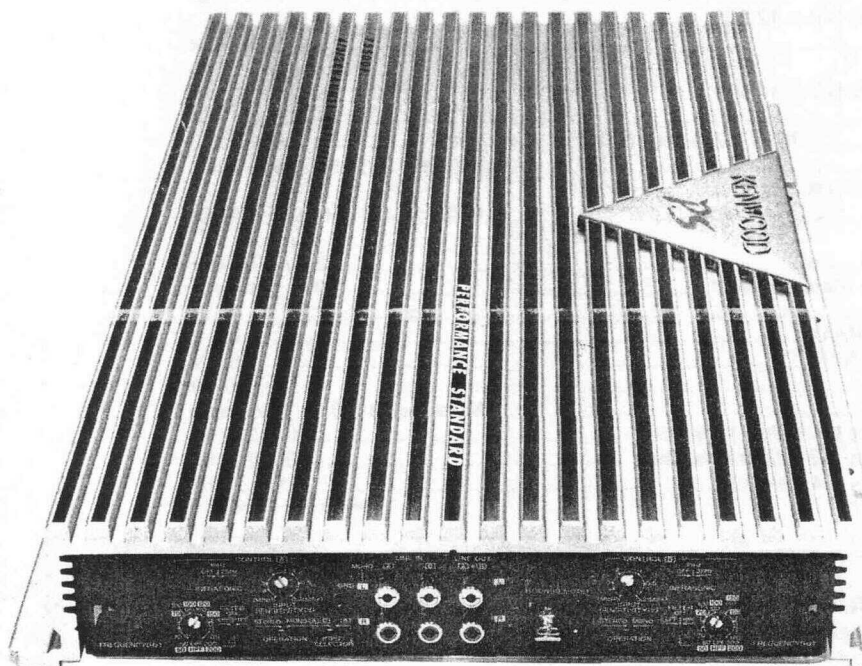
POWER AMPLIFIER

KAC-PS500F

SERVICE MANUAL

KENWOOD

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B51-7353-00 (K) 3333



SCREW SET
(N99-1664-05)



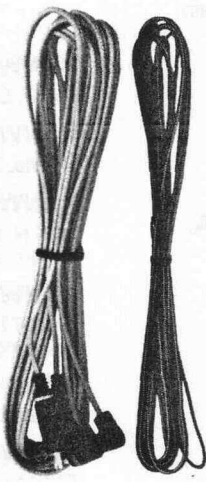
TERMINAL
COVER SET
(W01-0747-05)



LEAD TERMINAL SET
(W01-0746-05)



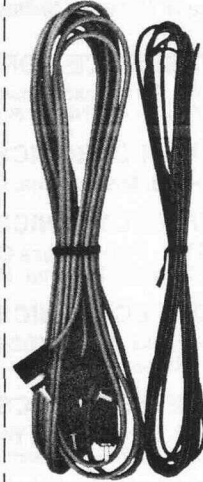
E and M type only



AUDIO CORD ASSY
(E30-4067-05)



DC CORD ASSY
(E30-4323-15)



AUDIO CORD ASSY
(E30-4067-05)

M type only

KAC-PS500F

SPECIFICATIONS

Specifications subject to change without notice.

Audio Section

Max Power Output (4 Ω)
4 Channel Mode 150 W \times 4
3 Channel Mode 150 W \times 2 + 600 W \times 1
2 Channel Mode 600 W \times 2

Rated Power Output (4 Ω) (+B = 12.0 V)
4 Channel Mode 50 W \times 4 (20 Hz ~ 20 kHz, 0.05 % THD)
3 Channel Mode 50 W \times 2 (1 kHz, 0.05 % THD) + 200 W \times 1 (1 kHz, 0.5 % THD)
2 Channel Mode 200 W \times 2 (1 kHz, 0.5 % THD)

Rated Power Output (2 Ω) (+B = 12.0 V)
4 Channel Mode 100 W \times 4 (1 kHz, 0.5 % THD)

Rated Power Output (4 Ω) (+B = 14.4 V)
4 Channel Mode 75 W \times 4 (20 Hz ~ 20 kHz, 0.05 % THD)
3 Channel Mode 75 W \times 2 (1 kHz, 0.05 % THD) + 300 W \times 1 (1 kHz, 0.5 % THD)
2 Channel Mode 300 W \times 2 (1 kHz, 0.5 % THD)

Rated Power Output (2 Ω) (+B = 14.4 V)
4 Channel Mode 150 W \times 4 (1 kHz, 0.5 % THD)

Frequency Response (+0, -1 dB) 5 Hz ~ 50 kHz
Total Harmonic Distortion (Rated power)* 0.010 % (1 kHz)
Signal to Noise Ratio 110 dB
Sensitivity (rated output) (MAX) 0.2 V
(MIN) 5.0 V
Input Impedance 10 k Ω
Damping Factor More than 1000 (at Σ connect)
Low Pass Filter Frequency (24 dB/oct.) (Variable) 50 ~ 200 Hz
High Pass Filter Frequency (12 dB/oct.) (Variable) 50 ~ 200 Hz
Infrasonic Filter Frequency (24 dB/oct.) 15 / 25 Hz

* Sensitivity = Min. Through LPF 20 kHz

General

Operating Voltage 12.0 V (11 ~ 16 V allowable)
Current Consumption (4 Ω , +B = 12.0 V, 10% THD) 42 A
Dimensions (W \times H \times D) 272 \times 58 \times 450 mm
10-11/16 \times 2-5/16 \times 17-11/16 in.
Weight 7.0 kg
15.4 lbs

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46300 Petaling Jaya, Selangor, Malaysia

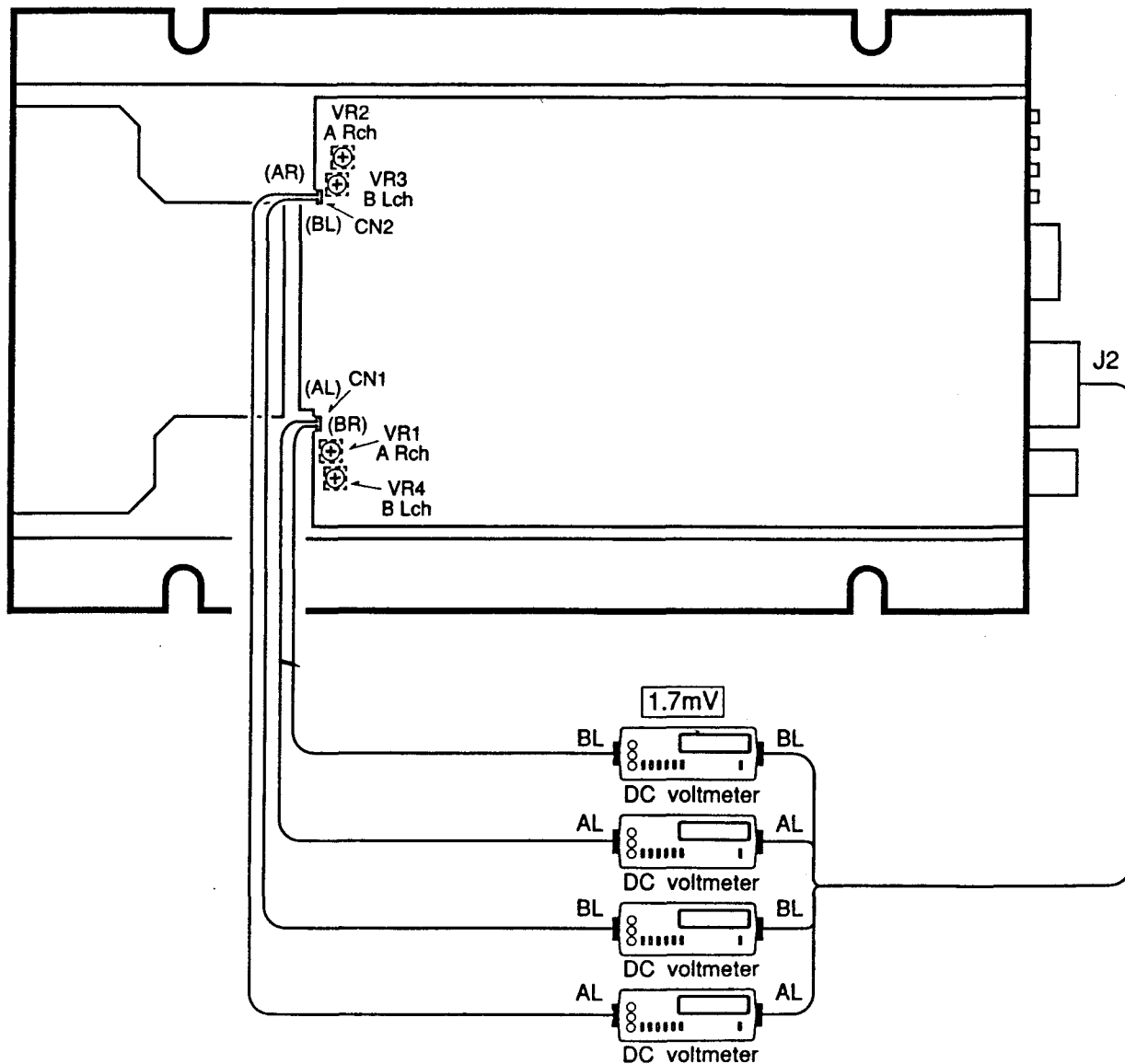
KAC-PS500F

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
Connect a cassette receiver or CD receiver.							
1	IDEL CURRENT	-	Connect a DC voltmeter between CN1-J2 and CN2-J2	VOLUME : 0	VR1-4 (X09-)	1.7mV	-

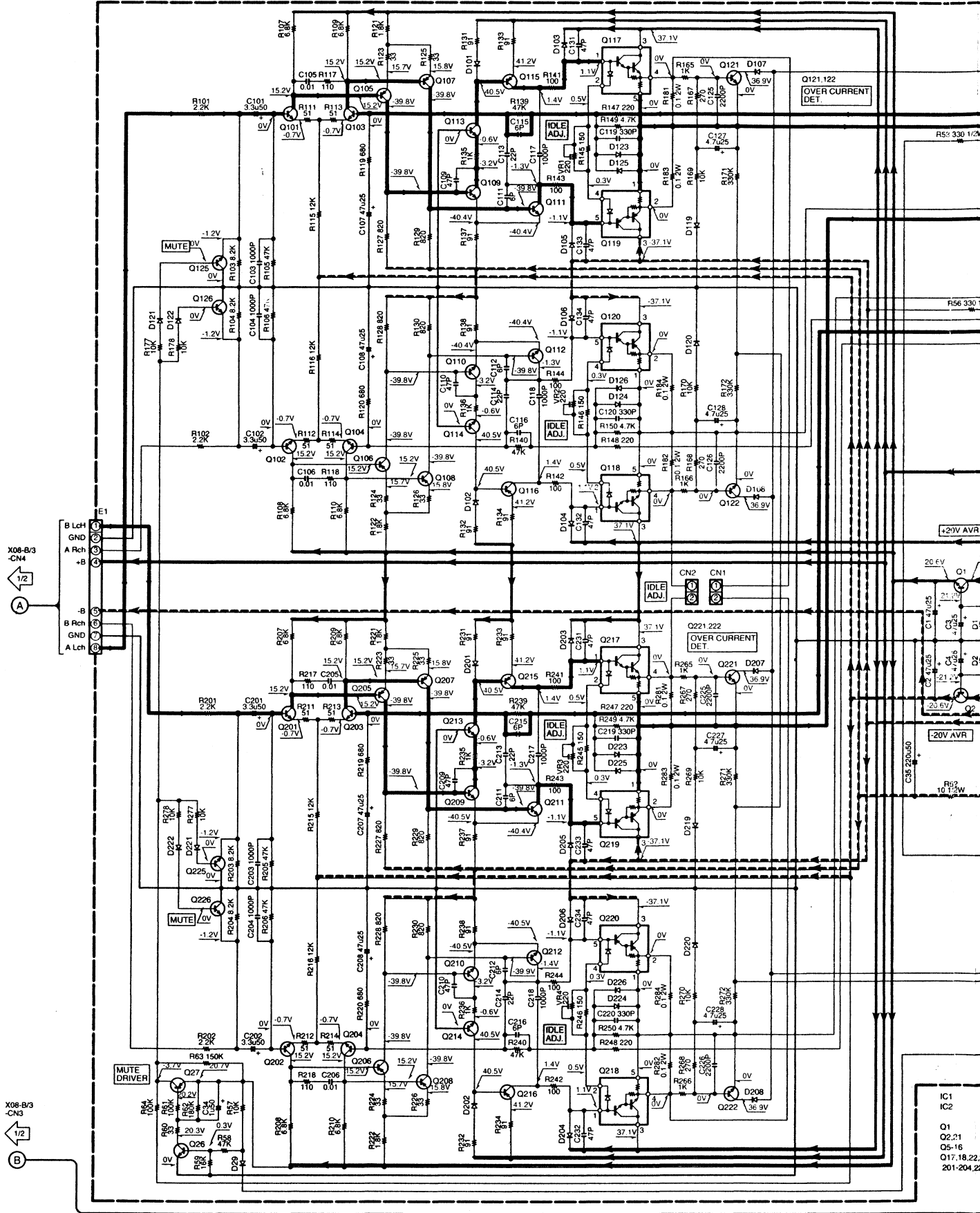
ADJUSTMENT POINT VIEW

(BOTTOM VIEW)



idle current : 1.7mV

AUDIO UNIT (X09-5240-10)



1

2

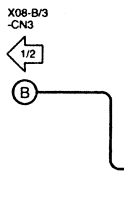
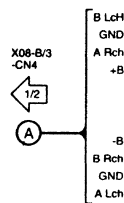
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4

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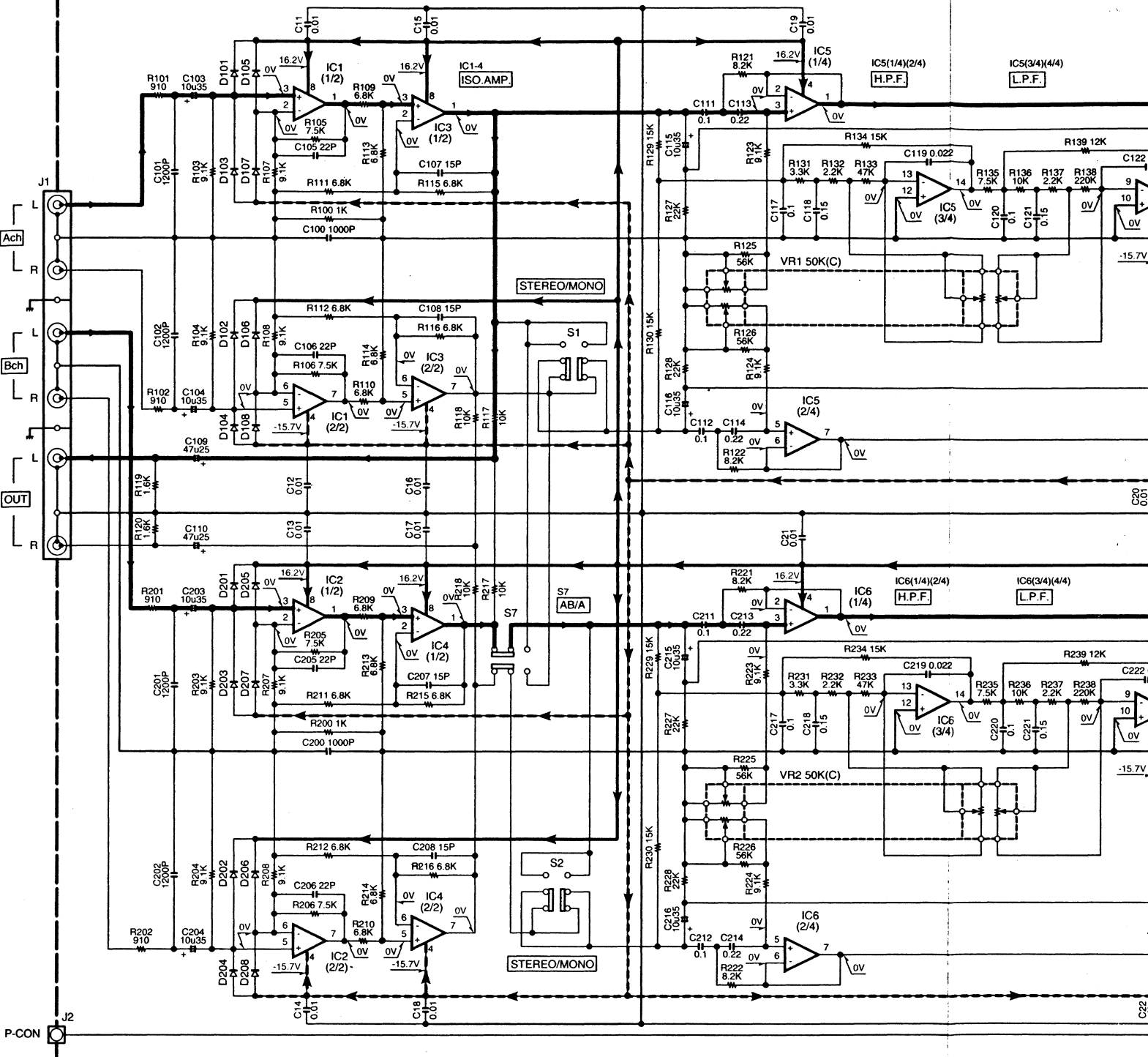
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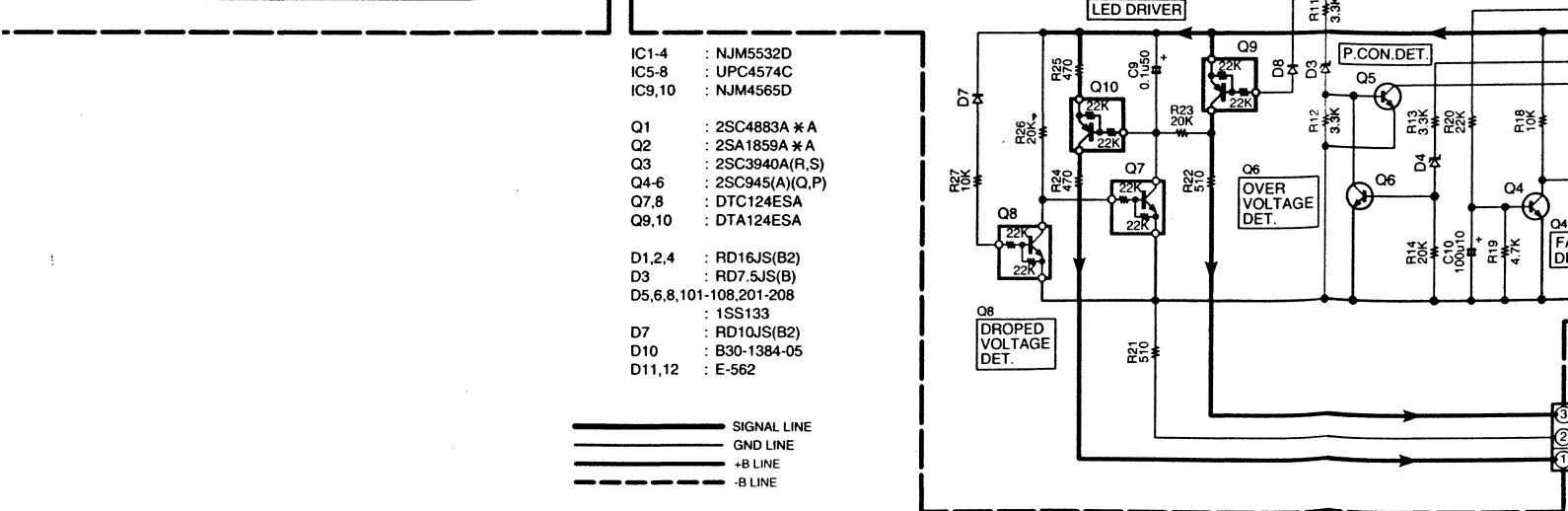
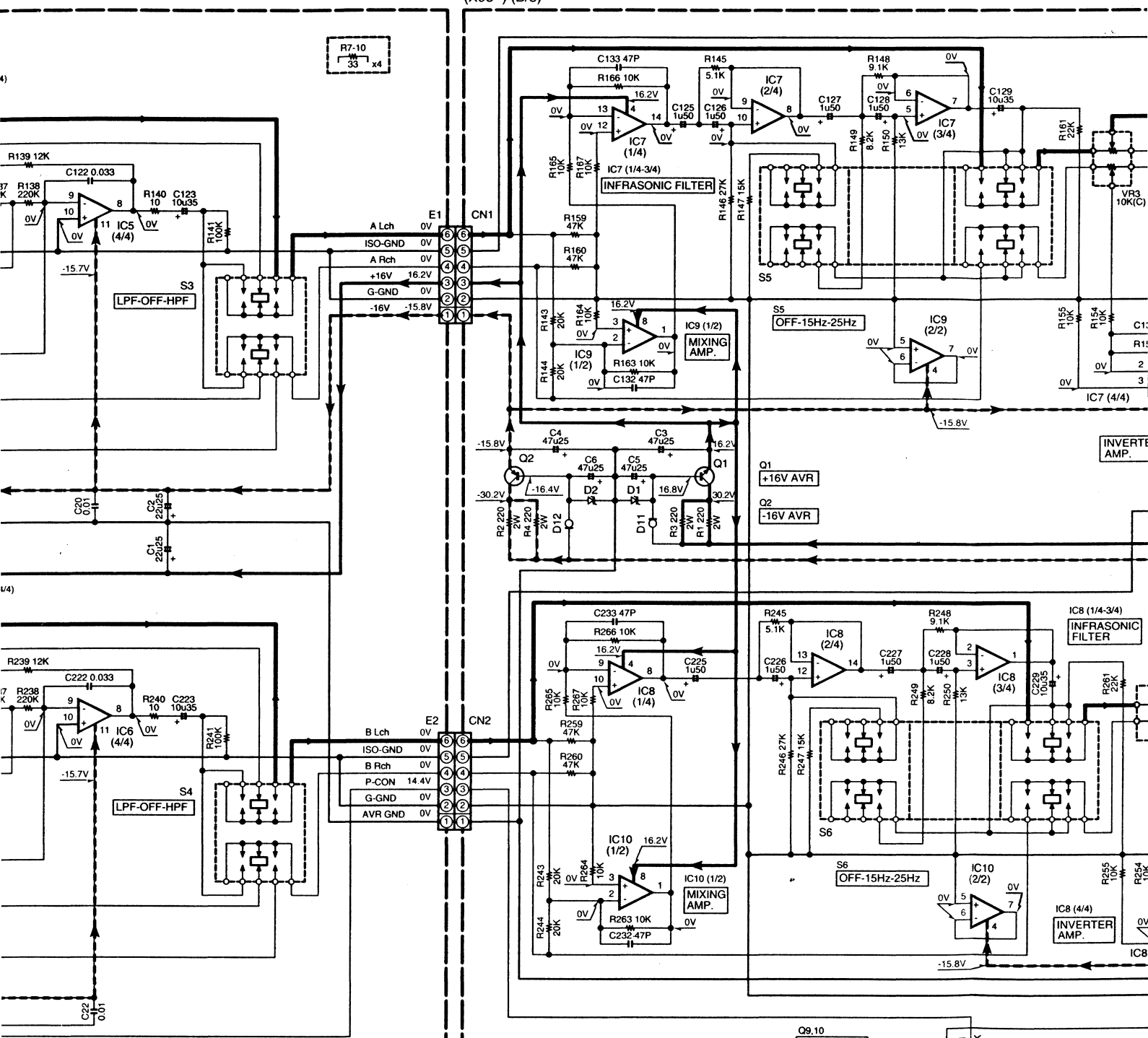
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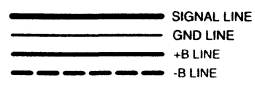
- IC1
- IC2
- Q1
- Q2,21
- Q5-16
- Q17,18,22,
- 201,204,22

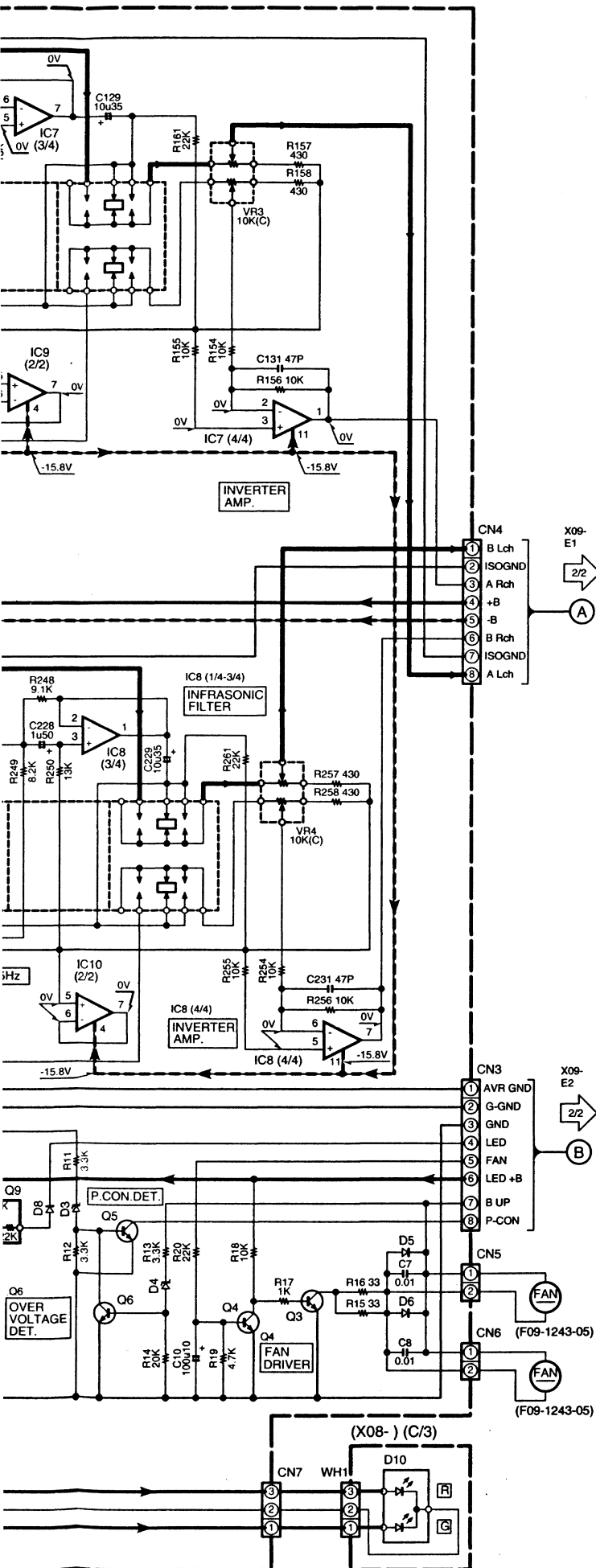
PREAMPLIFIER UNIT (X08-4040-10) (A/3)





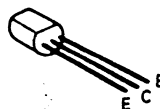
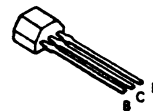
- IC1-4 : NJM5532D
- IC5-8 : UPC4574C
- IC9,10 : NJM4565D
- Q1 : 2SC4883A * A
- Q2 : 2SA1859A * A
- Q3 : 2SC3940A(R,S)
- Q4-6 : 2SC945(A)(Q,P)
- Q7,8 : DTC124ESA
- Q9,10 : DTA124ESA
- D1,2,4 : RD16JS(B2)
- D3 : RD7.5JS(B)
- D5,6,8,101-108,201-208 : 1SS133
- D7 : RD10JS(B2)
- D10 : B30-1384-05
- D11,12 : E-562





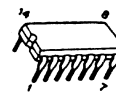
2SA1123
 2SA1534A
 2SA733(A)
 2SA992
 2SC1845
 2SC2631
 2SC3940A
 2SC945(A)

DTA124ESA
 DTC124ESA



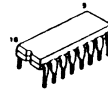
NJM4565D
 NJM5532D

UPC4574C



UPC494C

UPC1237HA



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