

**NAD**

**SERVICE  
MANUAL**

**1240**

**STEREO PREAMPLIFIER**

CONTENTS  
-1240-

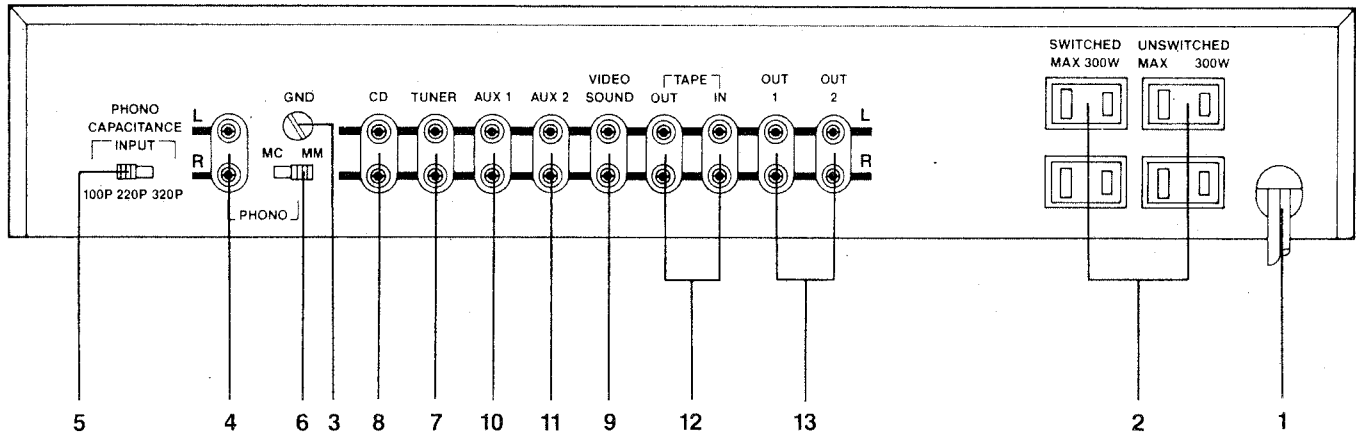
REAR / FRONT PANEL CONNECTIONS	PAGE 3
SPECIFICATIONS	PAGE 4
EXPLODED PARTS LIST	PAGE 5
EXPLODED VIEW	PAGE 6
SCHEMATIC DIAGRAM	PAGE 7 - 8
PCB LAYOUT AND COMPONENT LOCATION	PAGE 9 - 10
PARTS LIST	PAGE 11 - 12
PACKING DIAGRAM	PAGE 13

**REAR PANEL**

- |                                      |                         |
|--------------------------------------|-------------------------|
| 1. AC Line Cord.                     | 8. CD Input.            |
| 2. AC Outlets (not in U.K. version). | 9. Video Sound Input.   |
| 3. Phono Ground.                     | 10. Auxiliary 1 Input.  |
| 4. Phono Input.                      | 11. Auxiliary 2 Input.  |
| 5. Phono Capacitance.                | 12. Tape Input/Output.  |
| 6. MM/MC Selector.                   | 13. Preamp Outputs (2). |
| 7. Tuner Input.                      |                         |

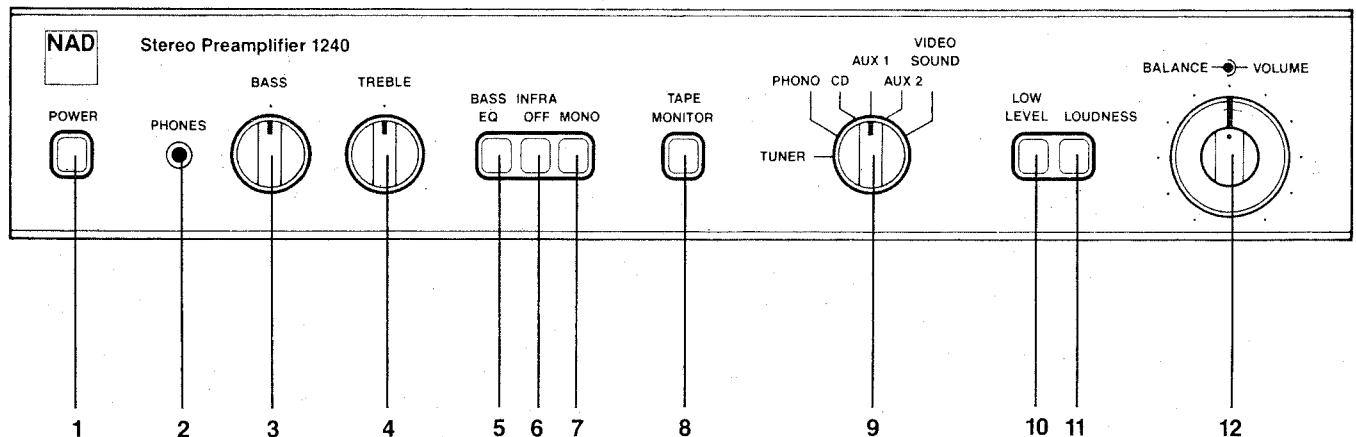
**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL



**FRONT PANEL**

- |                           |                     |
|---------------------------|---------------------|
| 1. Power.                 | 7. Mono.            |
| 2. Phones.                | 8. Tape Monitor.    |
| 3. Bass.                  | 9. Input Selector.  |
| 4. Treble.                | 10. Low Level.      |
| 5. Bass EQ.               | 11. Loudness.       |
| 6. Infrasonic Filter Off. | 12. Volume/Balance. |



## Specifications

### NAD 1240 Stereo PreAmplifier

Note: Specifications are measured in accordance with EIA Standard RS-490 (IHF A-202). Measurements referred to the Normal output. Output level are 13 dB higher at the High output; for this output, divide the normal input sensitivity by 4.6.

#### Phono Input

Input Impedance(MM or MC)		R=47Kohm C=100/226/320 pF
Input Sensitivity	MM	1.5 mV
(1 KHz, 0.5V out)	MC	100uV
Input Overload at	MM	20/180/1500 mV
20Hz/1KHz/20KHz	MC	1.5/13/110 mV
Signal/Noise ratio,		
IHF A-weighted, with	MM	85 dB re 5 mV
cartridge connected	MC	75 dB re 0.5 mV
THD (20Hz-20KHz) and		
IM Distortion at +30 dB level		<0.04 %
RIAA response accurate		±0.5 dB

#### Line Level Inputs (Tuner, Type, CD, Video)

Input Impedance		R=15 Kohm C=100 pF
Input Sensitivity(0.5V out)		90 mV
Maximum Input Signal		>10 V
THD		0.01 %
Signal/Noise ratio, A-weighted		96 dB re 0.5V out
Frequency Response		20Hz-20KHz ±0.5 dB

#### Outputs

Output Impedance	Tape (REC)	Source Z + 1000 ohms
	Normal	800 ohm
	High	150 ohm
	Phones	100 ohm (will drive all headphone impedances)
Maximum Output Level	Tape (REC)	9 V
	Normal	9 V
	High/Phones	13V into 50 Kohm load 9V into 600 ohm 300mV into 8 ohm

#### Controls

Treble		±7 dB at 10 kHz
Bass		±9.5 dB at 50 Hz
Bass Equalization		+2 dB at 70 Hz, +5 dB at 40 Hz
Infrasonic Filter		-3 dB at 9 Hz, 12 dB/octave
Low Level (audio muting)		-20 dB ±1 dB

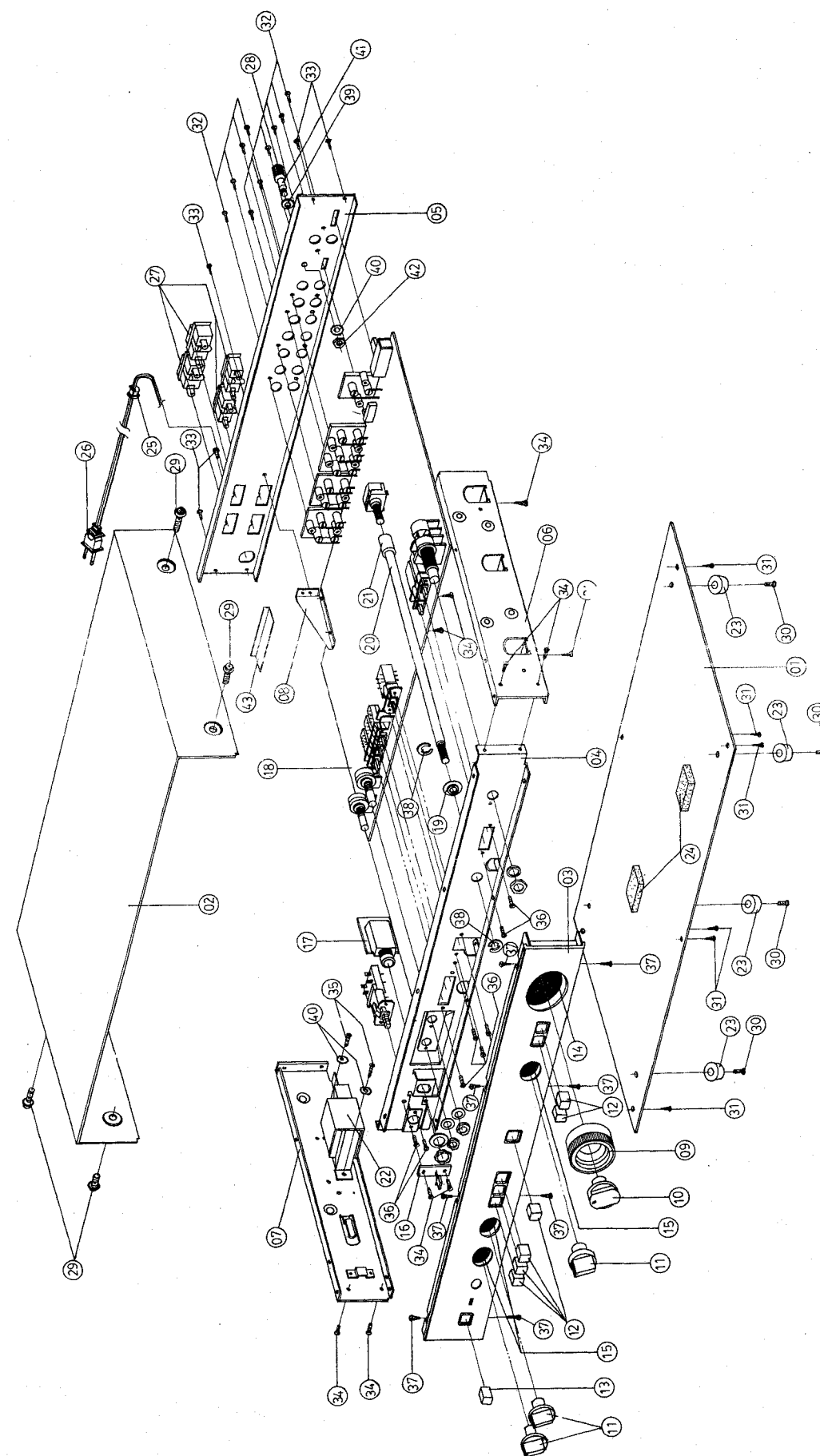
#### Physical Specifications

Width x Height x Depth		42cm.x 7.62cm.x 26cm. 6.5in.x 3in.x 10.25in.
Net Weight		4.25kg (9lb. 6oz.)
Shipping Weight		4.7 kg (10lb. 5oz.)
Power Consumption		50/60 Hz at 110, 120, 20, or 240 VAC 17 W

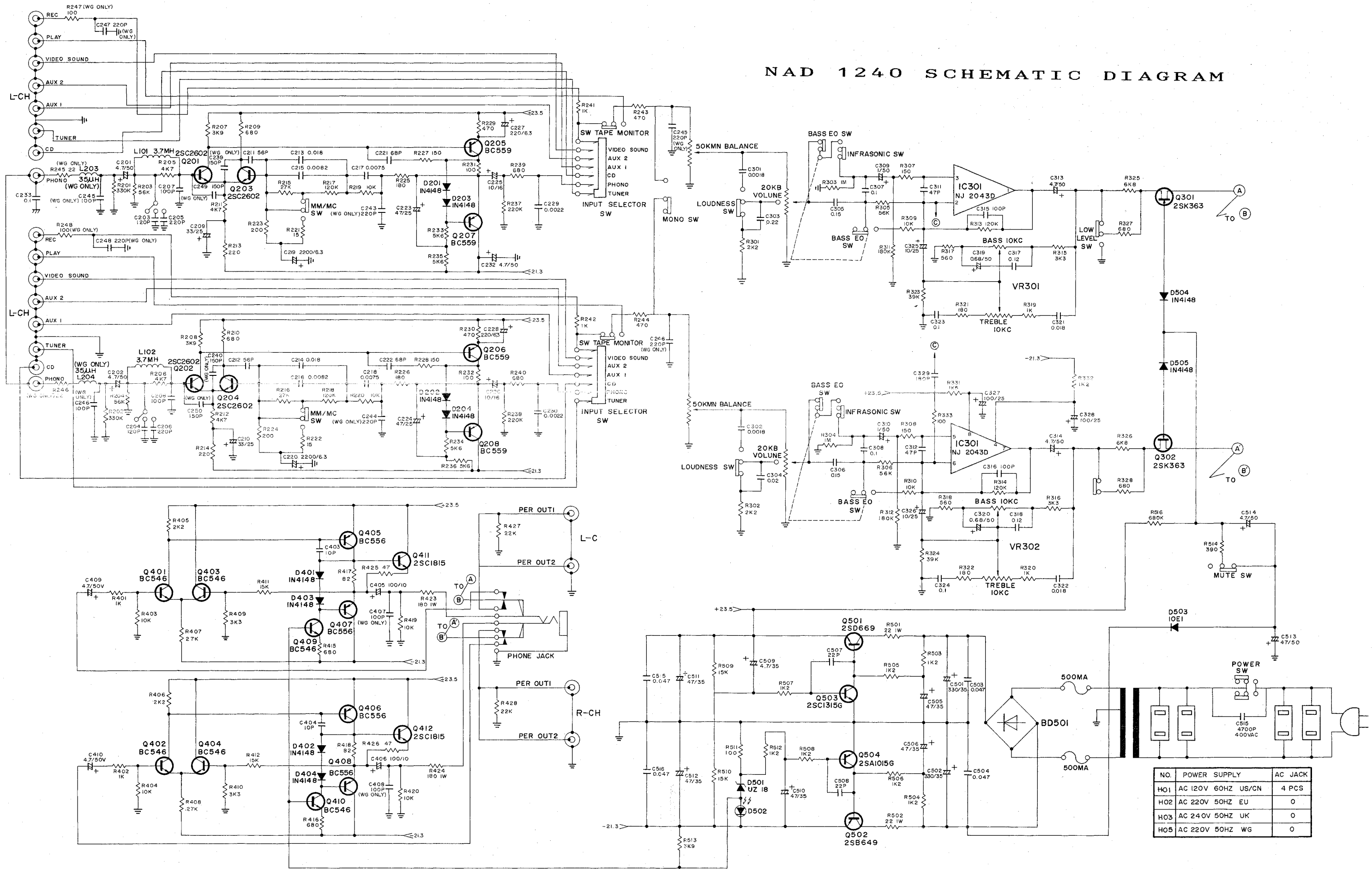
## EXPLODED LIST

ITEM	PARTS NUMBER	DESCRIPTION	SPECIALITY	Q'TY
1	L580B004H01	CABINET-BOTTOM		1
2	L561B006H01	CABINET		1
3	L702A016H02	PANEL-FRONT		1
4	L547B009H01	CHASSIS FRONT SUB		1
5	L582B003H05	COVER-BACK		1
6	L547B008H01	FRAME (R)		1
7	L547B007H01	FRAME (L)		1
8	L541D089H01	BRACK, PCB SUPPORT		1
9	L704D062H01	KNOB-VOLUME		1
10	L704D065H01	KNOB-BALANCE		1
11	L704D064H01	KNOB-ROTTARY		3
12	L704D061H01	KNOB-PUSH		6
13	L704D061H02	KNOB-POWER		1
14	L550D037H02	FELT RING		1
15	L550D037H01	FELT RING		3
16	L241A066H13	PCB-MAIN	LED	1
17	L241A066H12	PCB-MAIN	HEADPHONE	1
18	L241A066H01	PCB-MAIN	(PRE AMP)	1
19	L550D036H01	GUIDE SHAFT		1
20	L531D017H02	SHAFT ROTARY		1
21	L562D022H01	SLEEVE, INPUT SELECTOR SW		1
22	L350Y078H01	TRANS-POWER	A2	1
22	L350Y049H01	TRANS-POWER	A1	1
22	L350Y050H01	TRANS-POWER	A	1
22	L350Y051H01	TRANS-POWER	B, B1	1
22	L350Y052H01	TRANS-POWER	C1, C, C2	1
22	L350Y053H01	TRANS-POWER	C3	1
23	L771D006H01	FOOT RUBBER, 12-1543		4
24	L552D015H01	CUSHION SPONGE		2
25	L540D501H01	CLAMPER		1
26	L242Y501H01	POWER-CORD	A1, A	1
26	U242C872H06	POWER-CORD	B	1
26	U242C809H19	POWER-CORD	C2, C1, C	1
26	L242Y013H01	POWER-CORD	B1	1
26	L242C310H01	POWER-CORD	C3	1
27	L449Y002H02	AC SOCKET		4
28	L531D018H01	SHAFTT-GND, 3020		1
29	L650D005H02	SCREW-B, M4X5		4
30	U650S025H31	SCREW-P	M4*10	4
31	U656S263H23	T-SCREW	2-3*6	6
32	U656S164H24	T-SCREW	1-3*8	10
33	U656S164H24	T-SCREW	1-3*8	5
34	U656S263H23	T-SCREW	2-3*6	10
35	U669S074H09	SCREW-METAL	TRANS FIX, 3*5	2
36	U650S063H19	SCREW-B	M3*6	8
37	U656S164H23	T-SCREW	1-3*6	8
38	U685S100H08	E-RING	5	2
39	L683D011H01	WASHER POST		1
40	U680S322H03	WASHER TOOTHED 3		3
41	L670D004H01	NUT, 3020	M3.5	1
42	L670D002H01	NUT-GND, 3020		1
43	L840D009H01	COVER AC SOCKET	A, A1, C2, C3	1

## EXPLODED VIEW

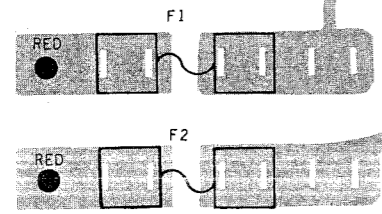
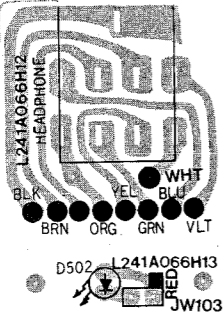
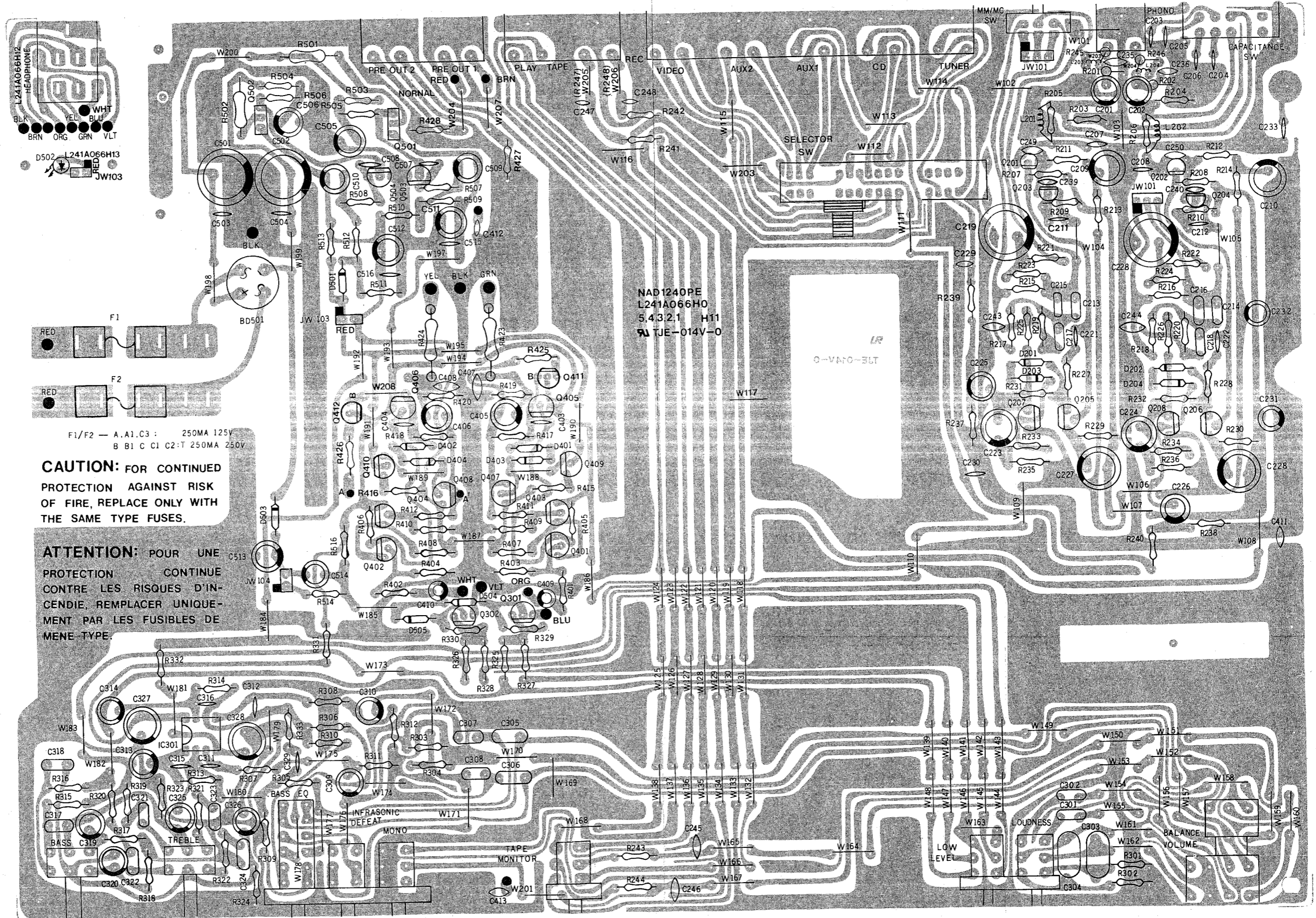


# NAD 1240 SCHEMATIC DIAGRAM



NO.	POWER SUPPLY	AC JACK
H01	AC 120V 60HZ US/CN	4 PCS
H02	AC 220V 50HZ EU	0
H03	AC 240V 50HZ UK	0
H05	AC 220V 50HZ WG	0

# NAD 1240 PCB COMPONENT LOCATION



F1/F2 — A:A1.C3 : 250MA 125V  
 B B1 C C1 C2:T 250MA 250V

**CAUTION:** FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH THE SAME TYPE FUSES.

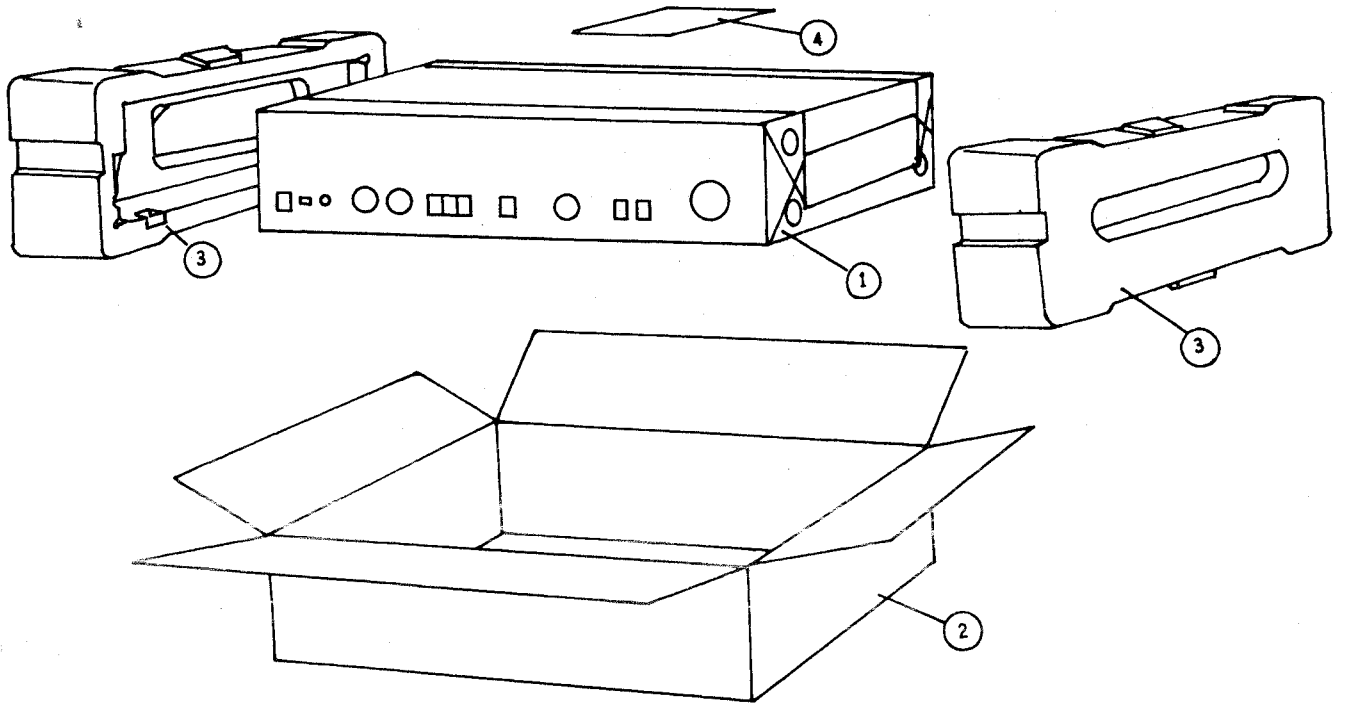
**ATTENTION:** POUR UNE PROTECTION CONTINUE CONTRE LES RISQUES D'INCENDIE, REMPLACER UNIQUEMENT PAR LES FUSIBLES DE MENE-TYPE.

NAD1240PE  
 L241A066H0  
 5.432.1 H11  
 TJE-014V-0





# PACKING DIAGRAM



## PACKING LIST FOR NAD-1240

ITEM	PARTS NO.	NAME	Q'TY
1	L871B003H77	OWNER'S MANUAL	1
2	L831D003H01	PE BAG	1
3	L813A010H01	POLYLON	2
4	L800D004H03	GIFT BOX	1