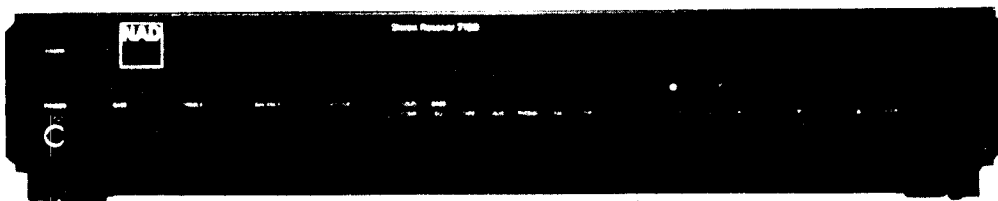


NAD

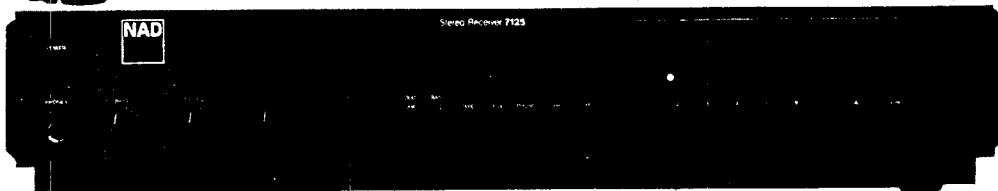
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SERVICE MANUAL



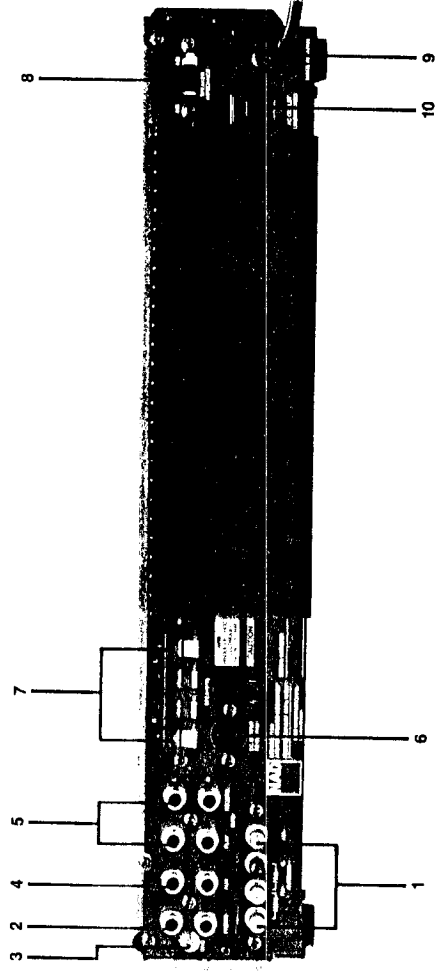
MODELS

7120



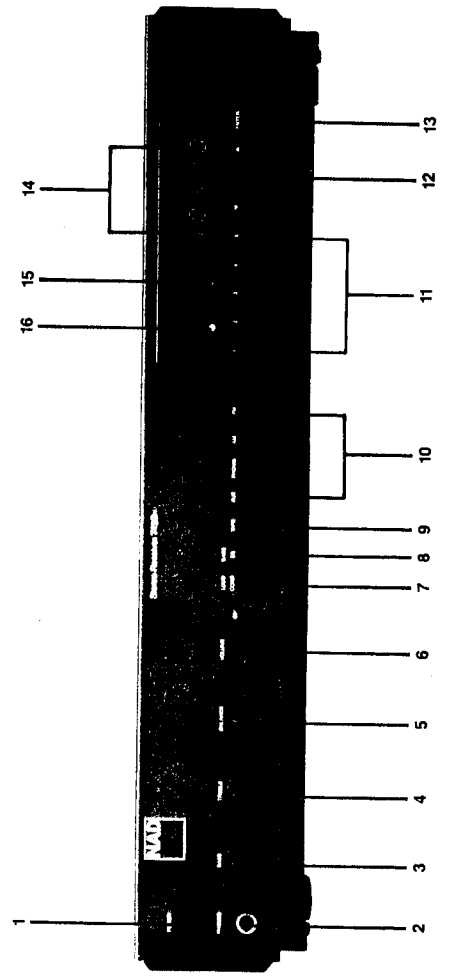
7125

1. Antenna Terminals
 2. Phono Input
 3. Phono Ground
 4. Aux Input
 5. Tape Rec/Play
 6. DC Output
 7. Speakers
 8. Speaker Impedance
 9. AC Power Cord
 10. AC Convenience Outlet
- (Not in U.K. Model)

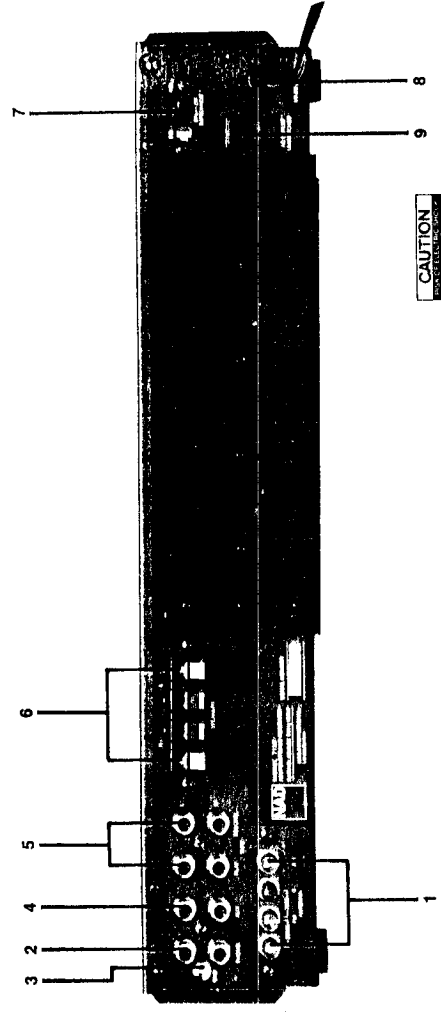


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1. Power
2. Phones
3. Bass
4. Treble
5. Balance
6. Volume
7. Loudness Compensation
8. Bass Equalization
9. Tape Monitor
10. Input Selector (Aux, Phono, AM, FM)
11. Tuning Pre-sets
12. Up/Down Tuning
13. Memory Enter
14. Tuning Display
15. FM Stereo Beacon
16. Power Indicator

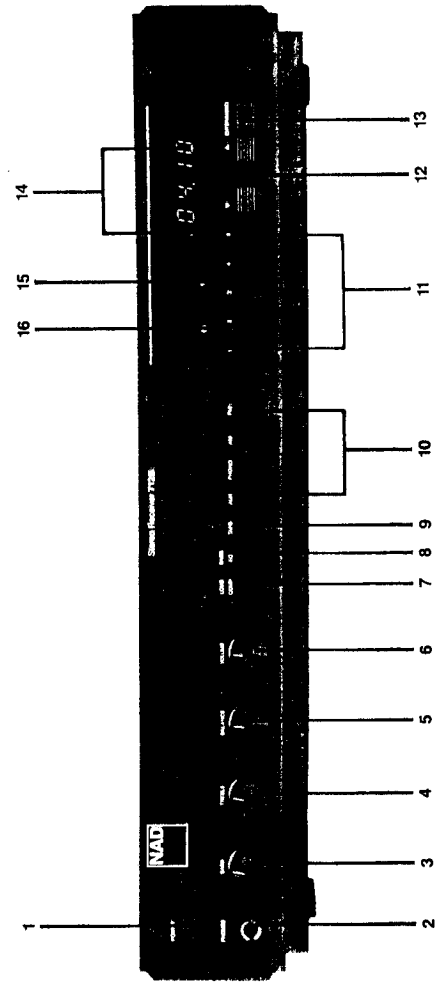


1. Antenna Terminals
 2. Phono Input
 3. Phono Ground
 4. Aux Input
 5. Tape Rec/Play
 6. Speakers
 7. Speaker Impedance
 8. AC Power Cord
 9. AC Convenience Outlet
- (Not in U.K. model)



CAUTION
 TO PREVENT ELECTRIC SHOCK, DISCONNECT THE POWER CORD FROM THE WALL SOCKET BEFORE REMOVING THE COVER OR BACK PANEL. ALWAYS INSULATE YOUR HANDS BEFORE REMOVING SERVICE PERSONNEL.

1. Power
2. Phones
3. Bass
4. Treble
5. Balance
6. Volume
7. Loudness Compensation
8. Bass Equalization
9. Tape Monitor
10. Input Selector (Aux, Phono, AM, FM)
11. Tuning Pre-sets
12. Up/Down Tuning
13. Memory Enter/Mono
14. Tuning Display
15. FM Stereo Beacon
16. Power Indicator



SPECIFICATIONS

<u>AMPLIFIER SECTION</u>	<u>7120</u>	<u>7125</u>
Continuous Average Power Output at 8 Ohms (min. RMS Power per Channel, 20-20 kHz, both channels drive, with no more than the Rated Distortion)	20W (13 dBW)	25W (13 dBW)
Rated Distortion, 20-20 kHz, THD	0.05%	0.05%
Clipping Headroom at 8 ohms	+ 1.5 dB	+ 2.5 dB
Clipping Power (Maximum Continuous Power per Channel)	8 ohms 4 ohms	36W 32W
Dynamic Headroom at 8 ohms	+ 4 dB	+ 3 dB
Dynamic Power (Maximum Short-term Power per channel)	8 ohms 4 ohms	50W 50W
Reactive Load Rating	+ 1.7 dB (30W)	+ 1.7 dB (30W)
Transient Overload Recovery Time	<5µsec.	<5µ sec.
Slew Factor	>50	>50
Slew Rate	>15V/µsec.	>15V/µsec.
Damping Factor (ref. 8 ohms)	>50	>50
THD (Total Harmonic Distortion, 20-20 kHz) from 250 mW to Rated Output	<0.05%	<0.05%
SMPTE IM (Intermodulation Distortion, 60Hz + 7kHz, 4:1), from 250mW to Rated Output.	<0.02%	<0.02%
IHF IM (CCIF IM Distortion, 19k + 20 kHz) at Rated Output.	<0.02%	<0.02%
T.I.M. (Transient Intermodulation Distortion, 15kHz sine + 3.18kHz Square Wave) at Rated Output.	<0.02%	<0.02%
PHONO INPUT		
Input Impedance (Resistance/Capacitance)	47 Kohm/100pF	47 Kohm/100pF
Input Sensitivity (1kHz) for 1W out/20W out	0.5mV/2.5mV	0.5mV/2.5mV
Input Overload at 20Hz/1kHz/20kHz	15mV/140mV/1.15V	15mV/140mV/1.15V
RIAA Response Accuracy	±0.3 dB	±0.3 dB
Signal-to-Noise Ratio, A-Weighted with Phono Cartridge Connected ref 5mV.	75 dB	75 dB
HIGH LEVEL INPUTS (AUX, TAPE)		
Input Impedance (Resistance/Capacitance)	20 Kohm/100pF	20 Kohm/100pF
Input Sensitivity for 1W out/for 20W out	30mV/150mV	30mV/150mV
Signal-to-Noise Ratio, A-weighted Ref. 1W out	>86 dB	>86 dB
Ref. 20W out	>96 dB	>96 dB
Frequency Response, 20-20kHz	±0.5 dB	±0.5 dB

TAPE OUTPUT

Output Impedance

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350 ohm

350 ohm

CONTROLS

Bass Control Range

±10dB at 50Hz

±10dB at 50Hz

Treble Control Range

± 7dB at 10kHz

± 7dB at 10kHz

Infrasonic Filter

Turnover frequency
Slope

15 Hz

20 Hz

12 dB/Octave

12 dB/Octave

Ultrasonic Filter

Turnover frequency
Slope

35kHz

35kHz

12 dB/Octave

12 dB/Octave

Bass EQ

+5 dB at 35Hz

+ 5 dB at 50Hz

TUNER SECTION

FM SECTION

Input Sensitivity, IHF, usable sensitivity
 50dB quieting mono
 50dB quieting stereo

1.9uV (10.8dBf)

1.9uV (10.8dBf)

3.0uV (14.8dBf)

3.0uV (14.8dBf)

30 uV (34.8dBf)

30 uV (34.8dBf)

Signal-to-Noise Ratio (A-weighted, at 65dBf)
 Mono/Stereo

80dB/75dB

80dB/75dB

Frequency Response 30-15 kHz

±0.5dB

± 0.5dB

De-emphasis Accuracy (75usec.)

±0.3dB

± 0.3dB

Channel Separation,

1kHz

42dB

42dB

30-15kHz

32dB

32dB

Selectivity, Alternate Channel (400kHz)

65dB

65dB

AM Suppression at 45dBf and 65dBf

60dB

65dB

Capture Ratio at 45dBf and 65dBf

1.5dB

1.5dB

Image Rejection

50dB

60dB

IF Rejection

75dB

75dB

SCA Rejection

70dB

70dB

Pilot Signal Suppression

65dB

65dB

THD at 100% Modulation: 1kHz Mono/Stereo
 100Hz Mono/Stereo
 6kHz Mono/Stereo

0.2%/0.3%

0.2%/0.3%

0.2%/0.3%

0.2%/0.3%

0.3%/0.4%

0.3%/0.4%

AM SECTION

Usable Sensitivity

250uV

250uV

Selectivity

30dB

30dB

Image Rejection

50dB

50dB

I.F. Rejection

40dB

40dB

PHYSICAL SPECIFICATION :

(H) x (W) x (D)

8.3 cm x 42 cm x 28.8 cm
 3.25in x 16.5in x 11.25in

Net Weight

5.2 kg. / 11.5 lbs.

Power Requirements :

50/60 Hz, 110-120V AC

(Not Convertible)

50 Hz, 220V AC

50 Hz, 240V AC

ALIGNMENT METHOD

AUDIO SECTION 7120/7125

IMPORTANT

Speaker Impedance switch should be in 8 ohm position while adjusting center voltage and idling current.

INITIAL ADJUSTMENT (No load connected)

CENTER VOLTAGE

1. Connect DC millivoltmeter to L channel output terminals. Turn on and adjust to $0\text{ V} \pm 30\text{mV}$ with VR101. Connect DC millivoltmeter to R channel output terminals and adjust VR201 to $0\text{ V} \pm 30\text{mV}$.

IDLING CURRENT

2. Connect DC millivoltmeter across R150 (output transistor's emitter resistor) and adjust VR102 for 2-4mV reading on meter. Repeat adjustment with VR202 connecting meter across R250.
3. Leave power on for minimum 5 minutes.

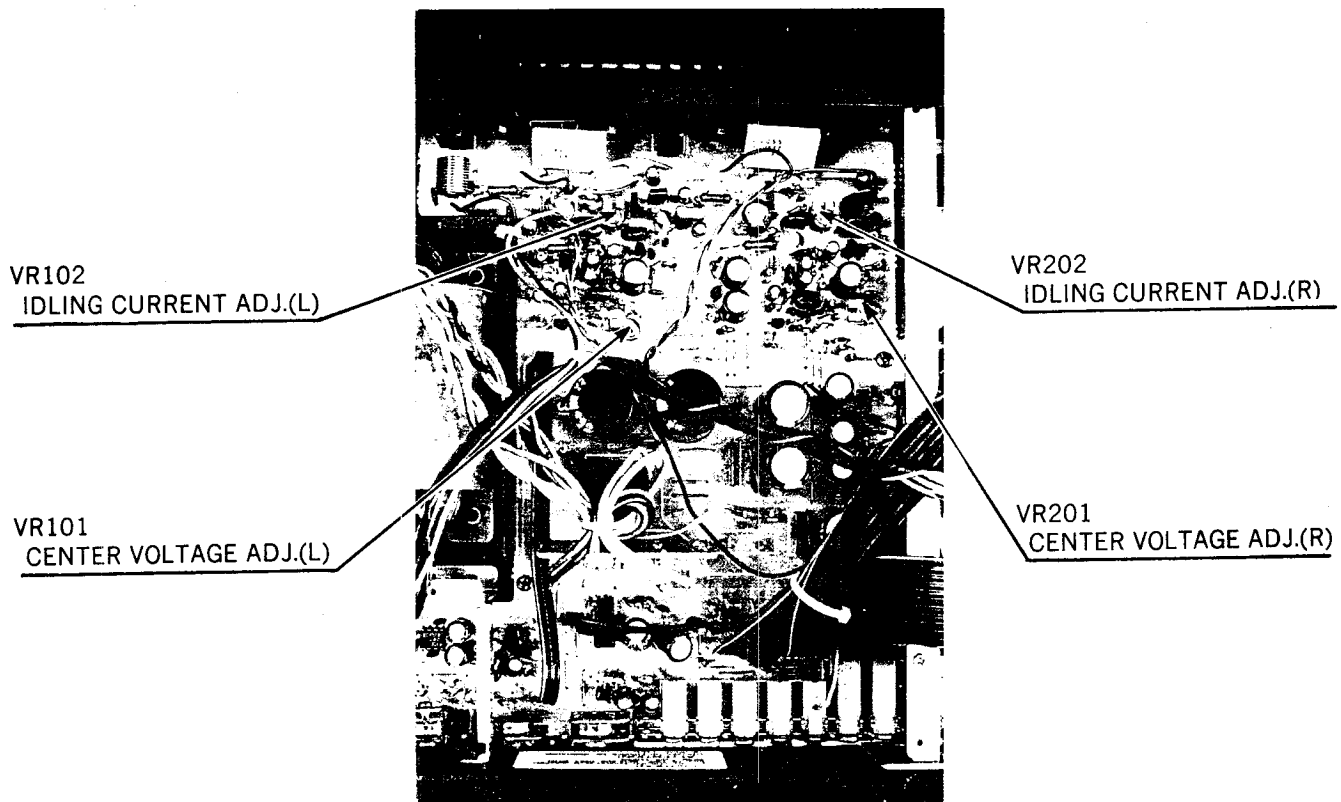
FINAL ADJUSTMENT

CENTER VOLTAGE

4. Repeat step 1 above.

IDLING CURRENT

5. Repeat step 2 and adjust with VR102 for 4mV reading on meter.



Unless repairs have been done to Oscillator Section, do not adjust AM OSC coil or Trimming Capacitor.

If OSC Adjustment is needed, connect high impedance voltmeter (preferably DMM) between R42 and ground.

OSC ADJUSTMENT

1. Tune unit to show 1610KHz or 1602KHz on display and adjust L7 to read 7.5V on DMM.
2. Tune unit to show 520KHz or 522KHz on display and check if it reads $1V \pm 0.5V$ on DMM.

IF ADJUSTMENT

3. For IF adjustment and Tracking adjustment connect VTVM to loudspeaker output (or tape output), only one channel connection needed, and connect signal generator to antenna terminals. Adjust generator for 30% modulation and approx. 100 μ V input.

Tune both generator and receiver to approx. 1000KHz, and adjust generator frequency for maximum reading on VTVM. Then adjust L9 and L8 (A and B) for maximum reading on meter.

TRACKING ADJUSTMENT

4. Tune unit and generator to show approx. 620KHz and adjust L6 to maximum reading on VTVM.
5. Tune unit and generator to show approx. 1400KHz and adjust CT1 (Trimming Capacitor) for maximum reading on VTVM.
6. Repeat step 4 and 5 so that both are peaked.

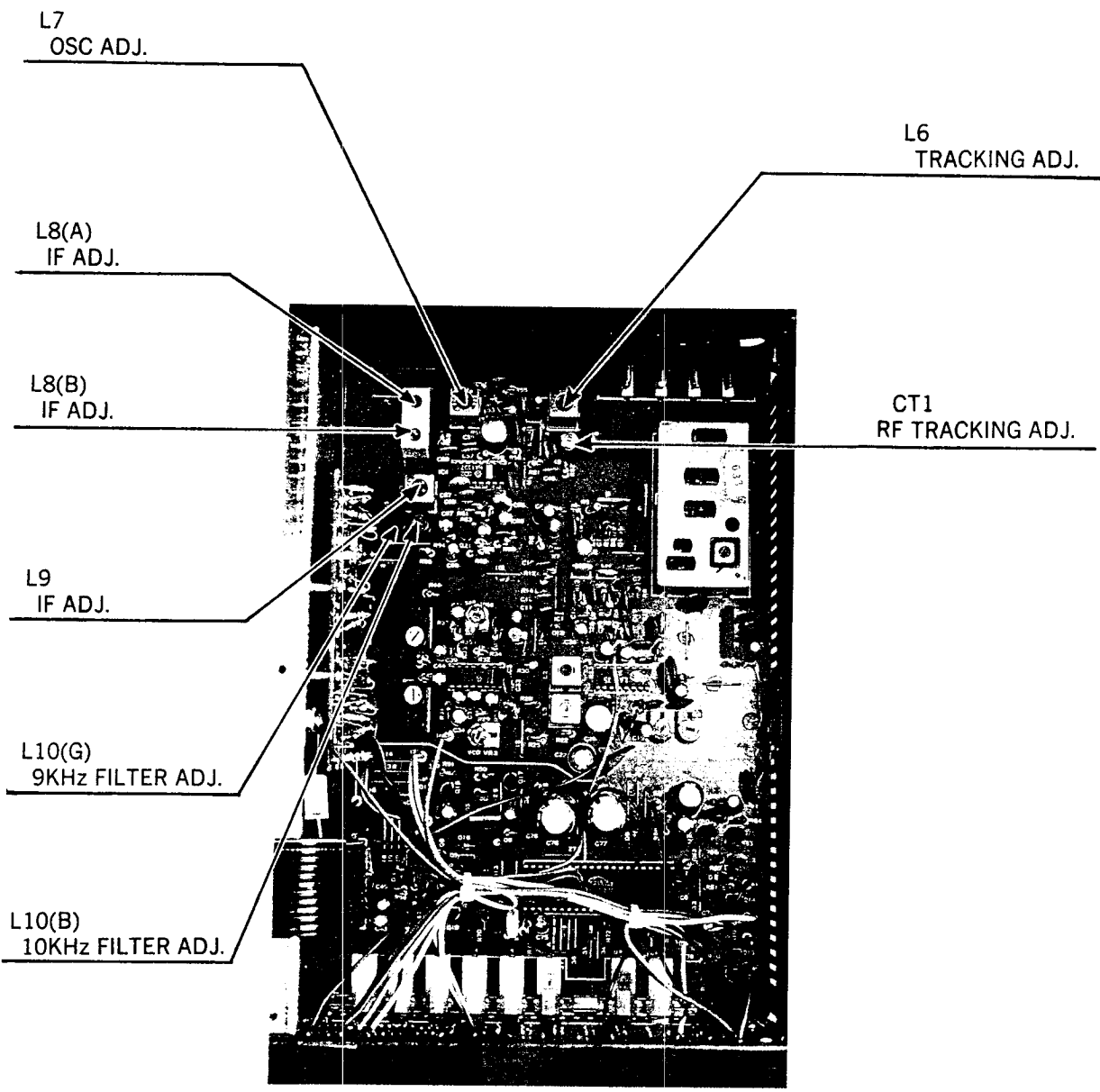
WARNING:

Generator output should be low enough to avoid AGC circuit to function and determine the meter reading. This will mean that the output signal should sound and look (if observed on an oscilloscope) noisy.

9/10 KHz FILTER ADJUSTMENT

7. Modulate generator 9KHz and adjust L10 (Green Core) to minimum reading on VTVM.
8. Modulate generator 10KHz and adjust L10 (Black Core) to minimum reading on VTVM.

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FF.
J.

RF AND OSCILLATOR ADJUSTMENT

1. Tuner RF and Oscillator should not be adjusted, they are preset from the factory. If tuner front-end has been replaced, the new front-end needs only IF adjustment.

IF ADJUSTMENT

2. Connect FM generator to 300 ohm input via proper impedance matching transformer or network.
3. Connect VTVM's (and oscilloscope if so desired) and distortion analyzer to speaker outputs or tape outputs. Both channels needed, but not necessary at the same time.
4. To adjust IF output from front-end, set receiver and generator to approx. 98MHz and generator output to 1 μ V with 100% modulation, 1 KHz (or 400 Hz). Adjust IF coil to maximum output on VTVM, observing on oscilloscope that the curve should show considerable noise, however, it should be easy to observe audio signal level changes despite the noise.

WARNING:

This adjustment must be done below the tuners limiting point (This is the point where audio output does not increase even with increased output from generator).

DETECTOR ADJUSTMENT

5. Set output from generator to approx. 1mV. Adjust L2 for maximum output at 1KHz (or 400Hz) and adjust L3 for minimum distortion. Repeat the L2 and L3 adjustments until no further improvements. Typical output on tape-output will be 0.5 to 0.8V and 0.1% or less THD.
6. Turn VR1 fully anticlockwise.

MPX ADJUSTMENT

7. Connect high impedance frequency-counter (100K ohm or more) to test point VCO (between R28 and VR3) and generator input at 100 - 1000 μ V no modulation (not even 19KHz) and adjust VCO to 76KHz \pm 10Hz by means of VR3.
8. Set generator pilot-tone modulation to 6 - 8% (level has no effect on Stereo Separation) and while adjusting generator output from 1 μ V and up, adjust VR2 for stereo-light to turn on around 15 μ V. When adjusting generator output from high (approx. 100 μ V) and going down, stereo light should turn off between 5 - 10 μ V.
9. Set generator to 1mV 100% modulation, 1 KHz (or 400 Hz) Stereo L or R. Adjust VR4 for maximum level difference between left and right channel on the meter. Repeat adjustment until separation is approximately identical for L to R and R to L channel (Typical performance 45 - 55 dB separation).

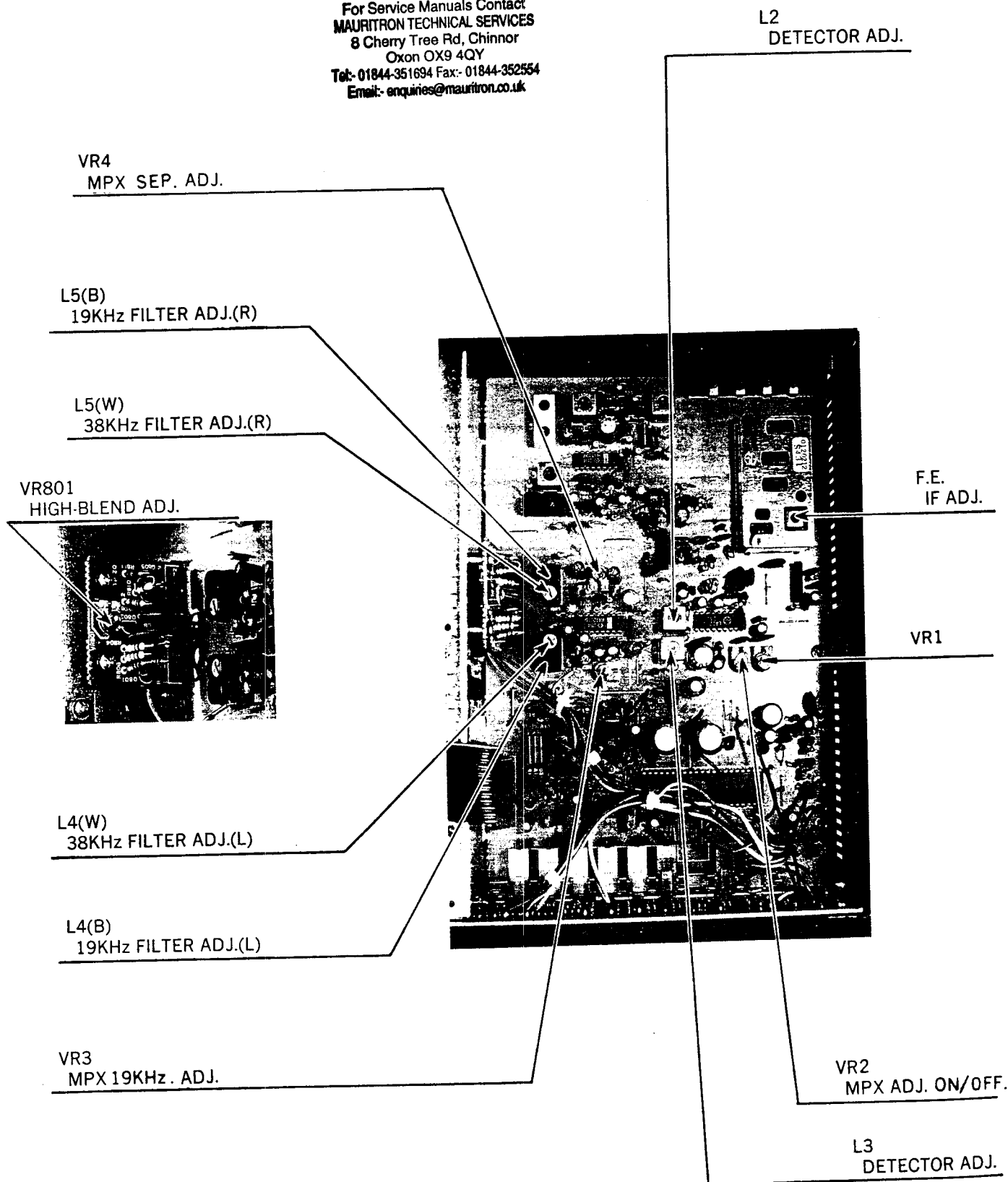
HIGH-BLEND ADJUSTMENT

10. Set generator to 100 μ V and adjust VR801 (on center-wall mounted PCB) so that no blend is obtained. Turn generator down while observing both outputs. High blend should turn on around 50/60 μ V to obtain a separation reading of approx. 14dB at 1 KHz. (or 400 Hz). Make sure that high-blend turns off safely as generator output is increased to 100 μ V and above.

19/38KHz FILTERS ADJUSTMENT

- 11. With 19KHz modulation only and 1mV output from generator, adjust L4 (left channel) and L5 (right channel) for minimum THD on analyzer; or observed on an oscilloscope, adjust for minimum noise on the curve (a straight line); or observed on VTVM, adjust for minimum output.

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RF AND OSCILLATOR ADJUSTMENT

1. (Same as 7120)

IF ADJUSTMENT

2. (Same as 7120)
3. (Same as 7120)
4. (Same as 7120)

DETECTOR ADJUSTMENT

5. Set output from generator to approx. 1mV, and tune generator to the exact frequency of the receiver display. This requires either a digital readout generator or a frequency counter to set generator frequency. If neither is available (or inconvenient), tune receiver to a known station preferably around midband (98MHz). Adjust L2 so that decimal point on display stops flashing. By means of receiver tuning, go one step up (+50KHz) and one step down (-50KHz), check and make sure (by minor adjustment of L2) that decimal-point starts flashing on either side tune.

6. With 1 KHz 100% modulation and 1mV output from generator, adjust L3 for minimum distortion (0.08-0.12% typical). Do not adjust L2 again at this point, but go back and check decimal point as per step 5. If it reads incorrectly, repeat step 5 and 6.

7. Set output from generator to 2µV and adjust VR1 so that decimal point does not flash above 2µV (assuming of course that generator is tuned to correct frequency) At 3µV check decimal point flashing by side tuning ±50KHz again.

MPX ADJUSTMENT

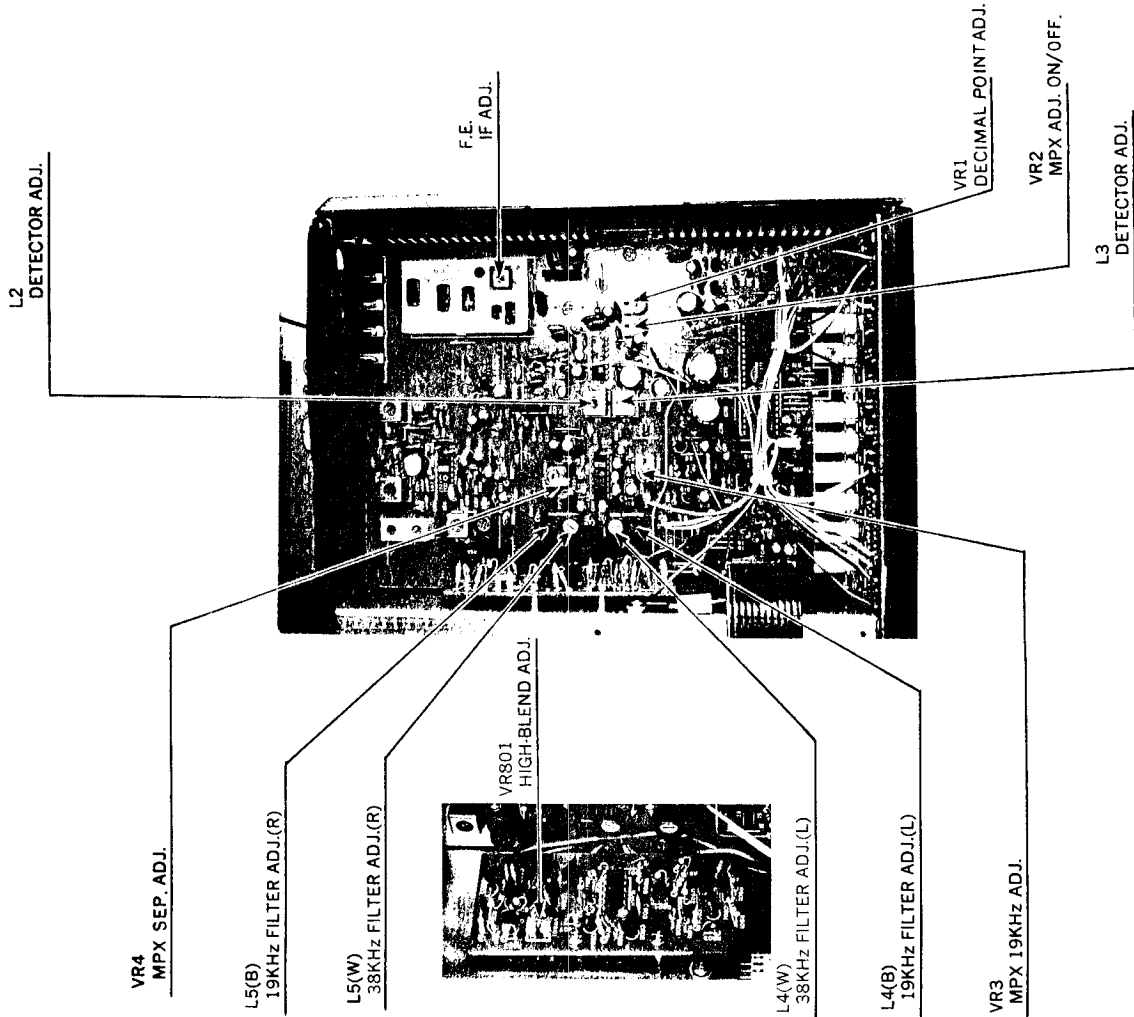
8. (Same as step 7, 7120)
9. (Same as step 8, 7120)
10. (Same as step 9, 7120)

HIGH-BLEND ADJUSTMENT

11. (Same as step 10, 7120)

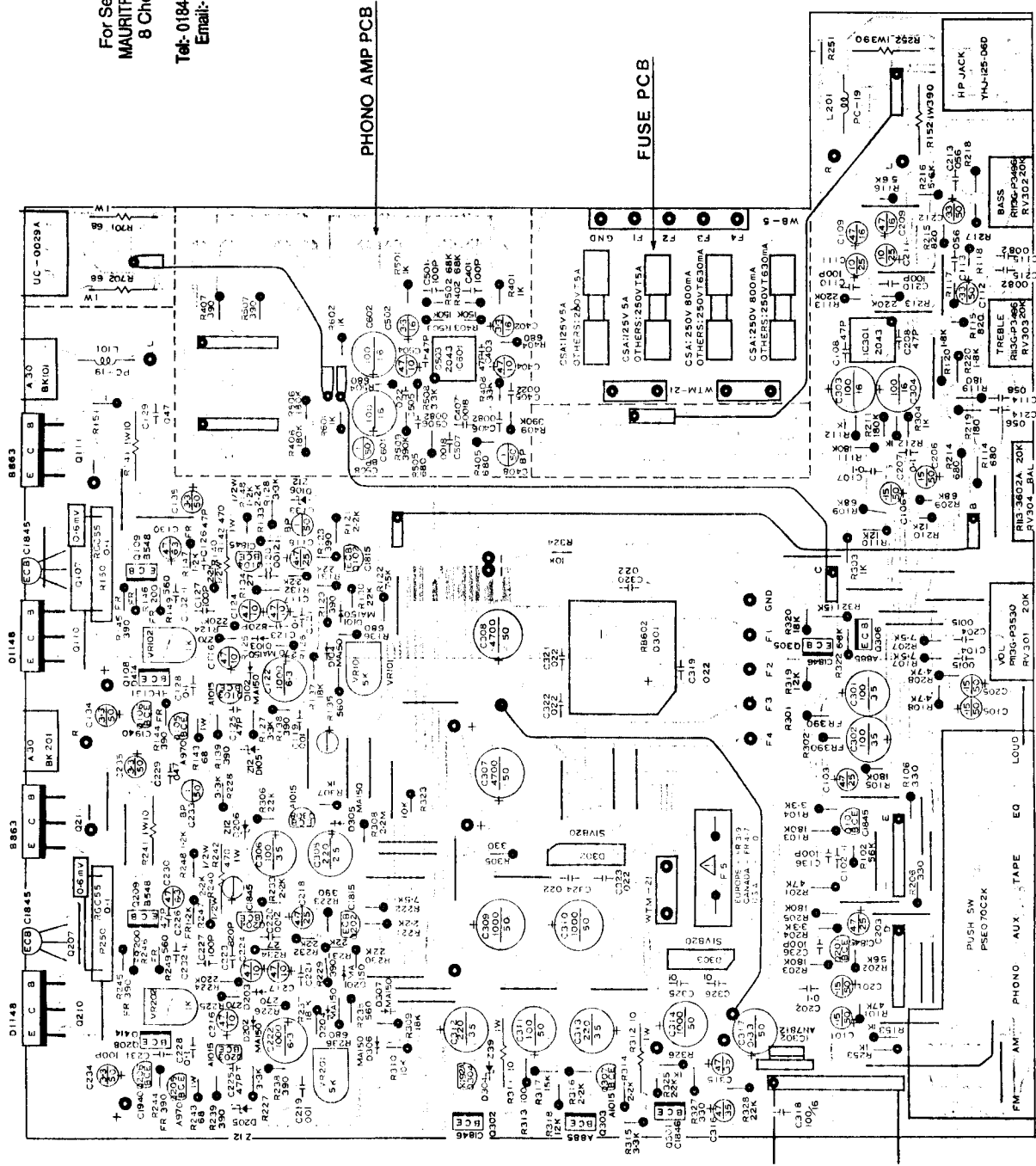
19/38 KHz FILTERS

12. (Same as step 11, 7120)



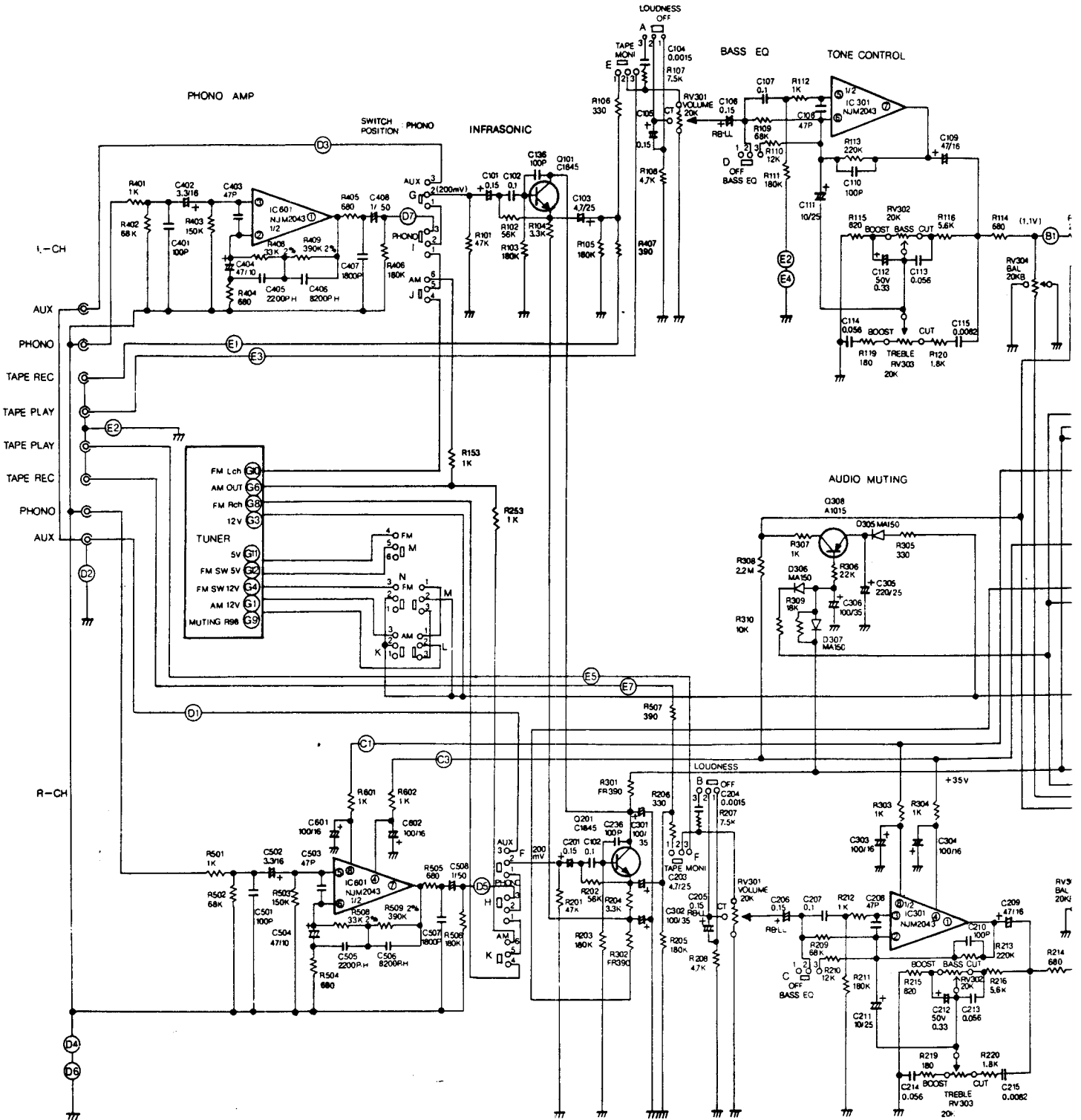
AMPLIFIER PCB NAD7120

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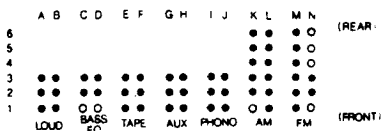


SCHEMATIC DIAGRAM NAD7120 AMPLIFIER

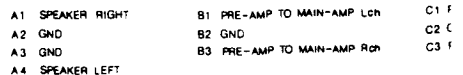
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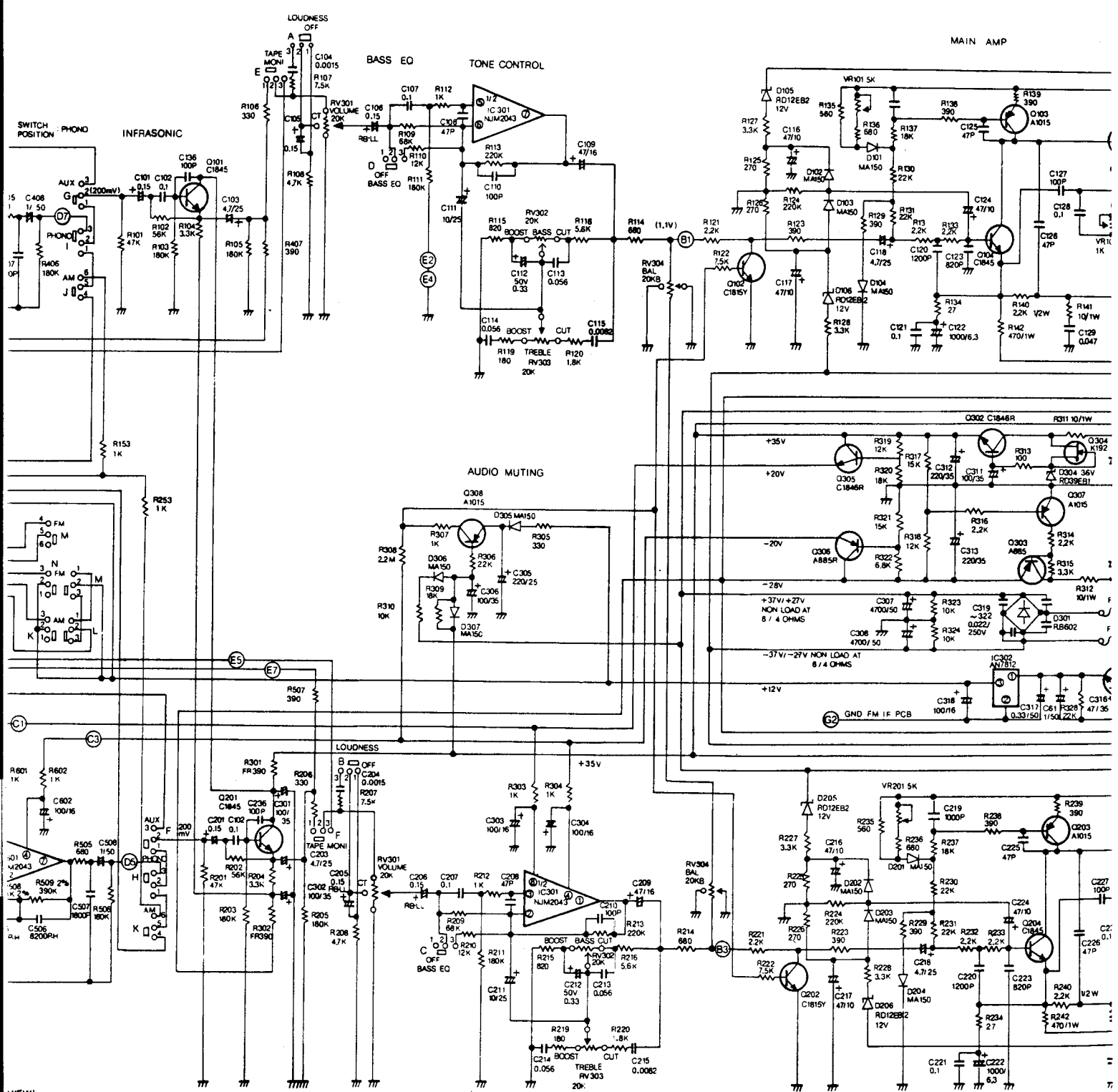


SWITCH CONNECTIONS (TOP VIEW)



RIBBON CABLE CONNECTIONS

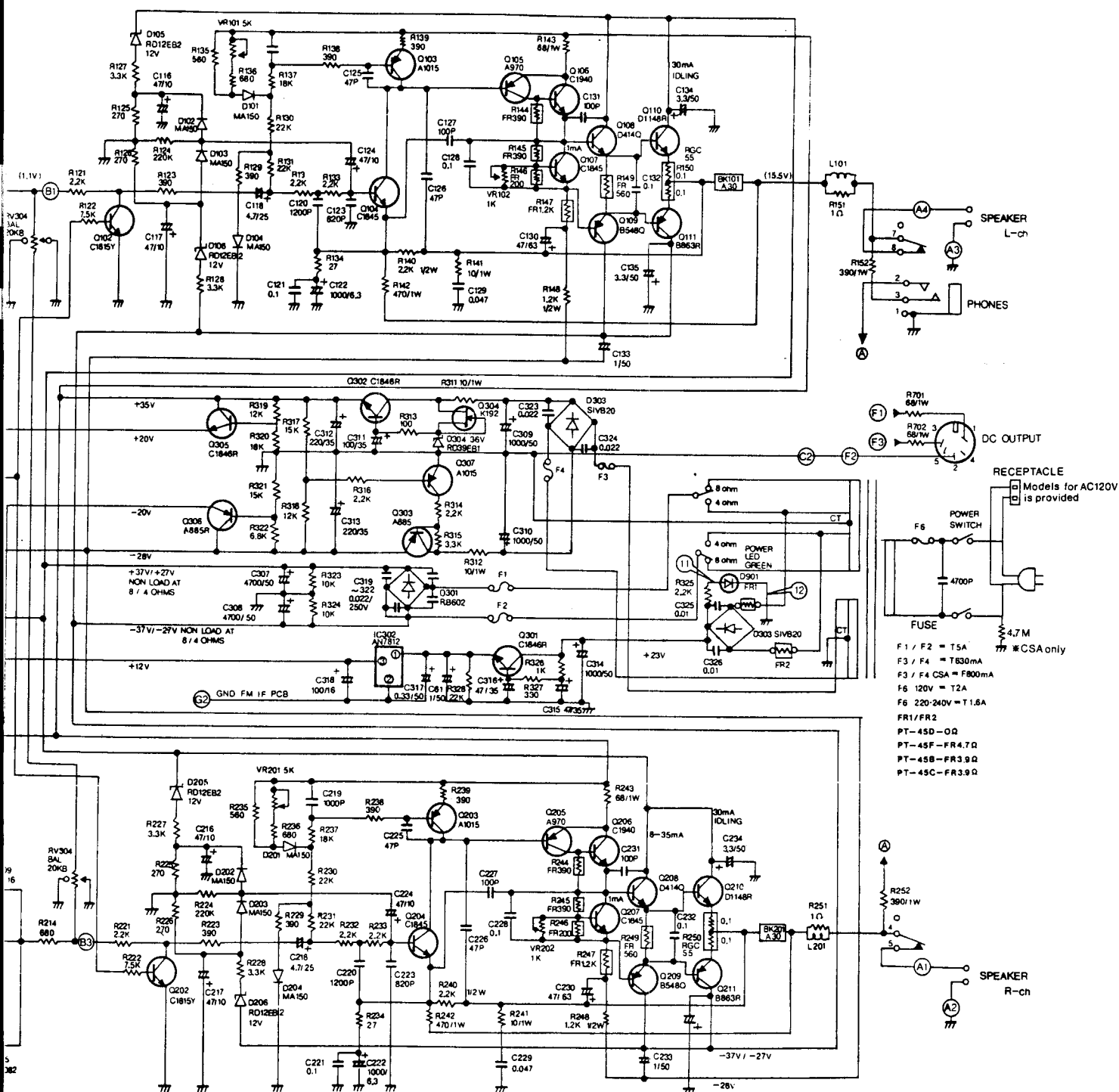




RIBBON CABLE CONNECTIONS

- | | | | | | | |
|-----------|------------------|----------------------------|-------------------|--------------|------------------|---------------|
| • (REAR) | A1 SPEAKER RIGHT | B1 PRE-AMP TO MAIN-AMP Lch | C1 PHONO AMP +20V | D1 AUX Rch | E1 REC OUT Lch | F1 +DC OUTPUT |
| • | A2 GND | B2 GND | C2 GND | D2 GND | E2 TAPE GND | F2 GND |
| • | A3 GND | B3 PRE-AMP TO MAIN-AMP Rch | C3 PHONO AMP -20V | D3 AUX Lch | E3 TAPE PLAY Lch | F3 -DC OUTPUT |
| • | A4 SPEAKER LEFT | | | D4 PHONO GND | E4 TAPE GND | |
| • | | | | D5 PHONO Rch | E5 TAPE PLAY Rch | |
| • | | | | D6 PHONO GND | E6 TAPE GND | |
| • (FRONT) | | | | D7 PHONO Lch | E7 REC OUT Rch | |

MAIN AMP

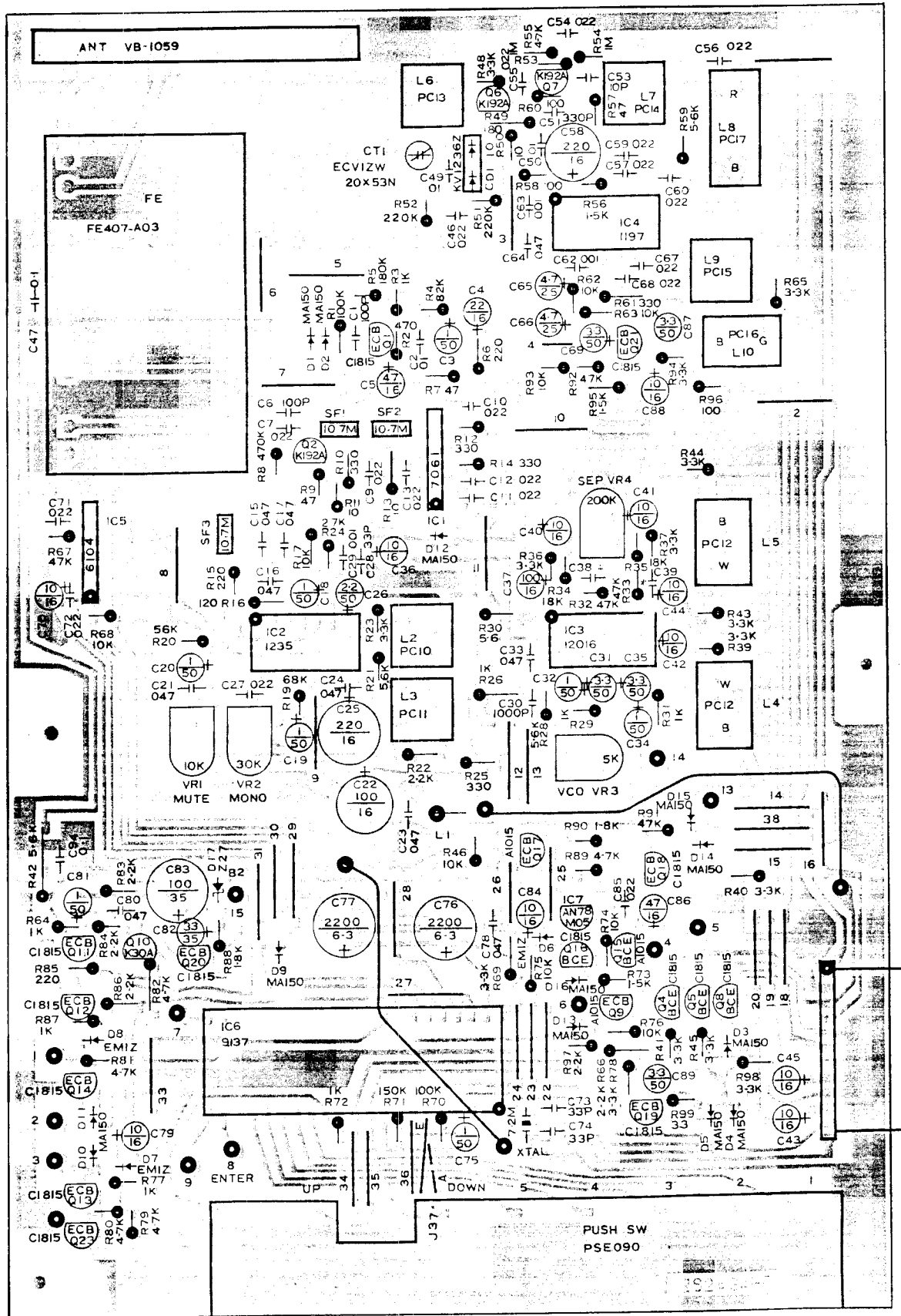


- | | | | | |
|-------------------|--------------|------------------|---------------|----------------|
| C1 PHONO AMP +20V | D1 AUX Rch | E1 REC OUT Lch | F1 +DC OUTPUT | G1 AM 12V SW |
| C2 GND | D2 GND | E2 TAPE GND | F2 GND | G2 GND |
| C3 PHONO AMP -20V | D3 AUX Lch | E3 TAPE PLAY Lch | F3 -DC OUTPUT | G3 12V |
| | D4 PHONO GND | E4 TAPE GND | | G4 FM 12V SW |
| | D5 PHONO Rch | E5 TAPE PLAY Rch | | G5 GND |
| | D6 PHONO GND | E6 TAPE GND | | G6 AM OUT |
| | D7 PHONO Lch | E7 REC OUT Rch | | G7 GND |
| | | | | G8 FM Rch OUT |
| | | | | G9 MUTING |
| | | | | G10 FM Lch OUT |
| | | | | G11 5V FM/AM |
| | | | | G12 FM SW 5V |

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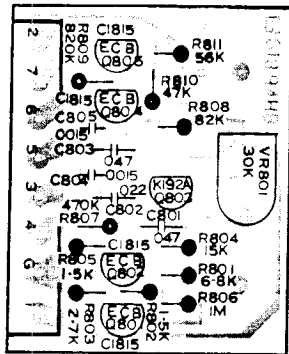
TUNER PCB NAD7120

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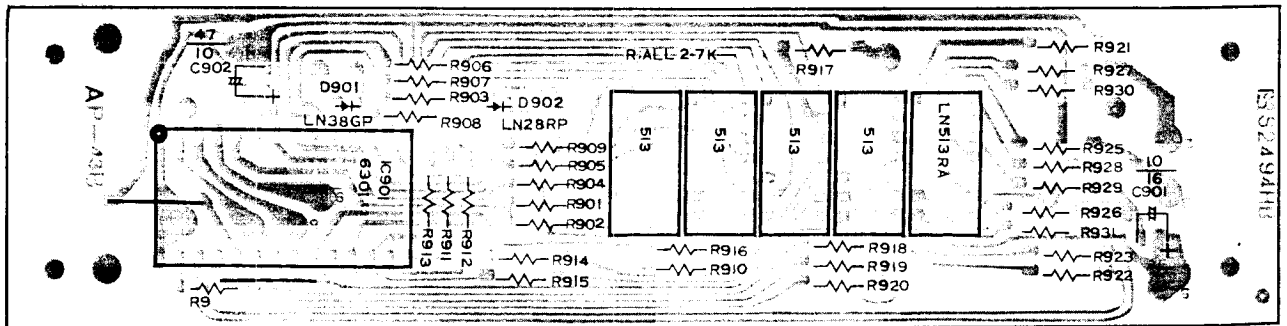
* EUROPE J37 E = R0 . C38, C39 = 0-001
 * AMERICA J37 A = R36K. C38, C39 = 0-0015

HI-BLEND PCB

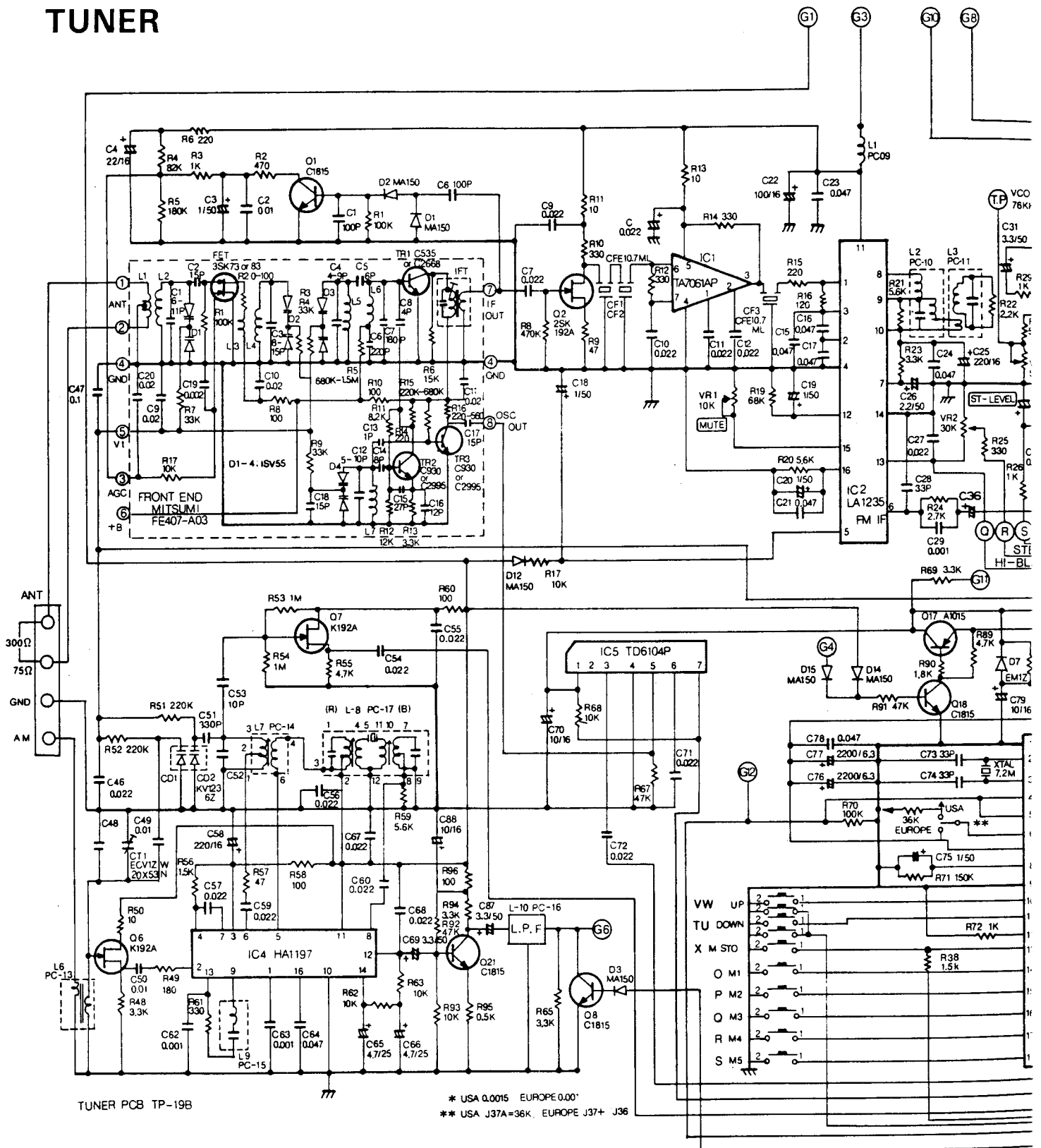


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DISPLAY PCB



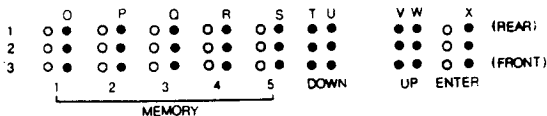
SCHEMATIC DIAGRAM NAD7120 TUNER



TUNER PCB TP-19B

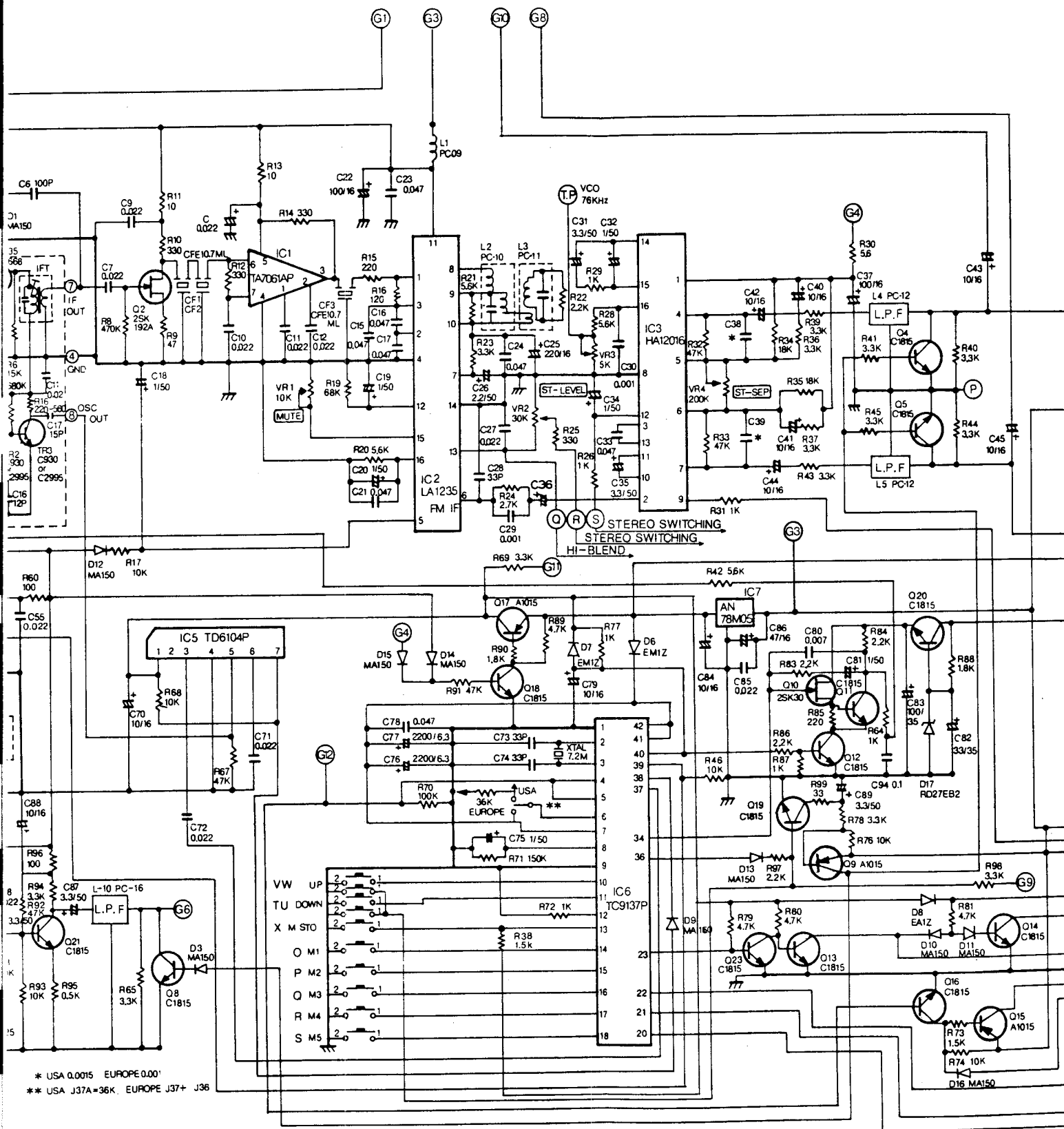
* USA 0.0015 EUROPE 0.001
** USA J37A=36K, EUROPE J37+ J36

SWITCH CONNECTIONS (TOP VIEW)



RIBBON CABLE CONNEC

- G1 AM 12V SW
- G2 GND
- G3 12V
- G4 FM 12V SW
- G5 GND
- G6 AM OUT
- G7 GND
- G8 FM I
- G9 MUTI
- G10 FM I
- G11 5V F
- G12 FM S

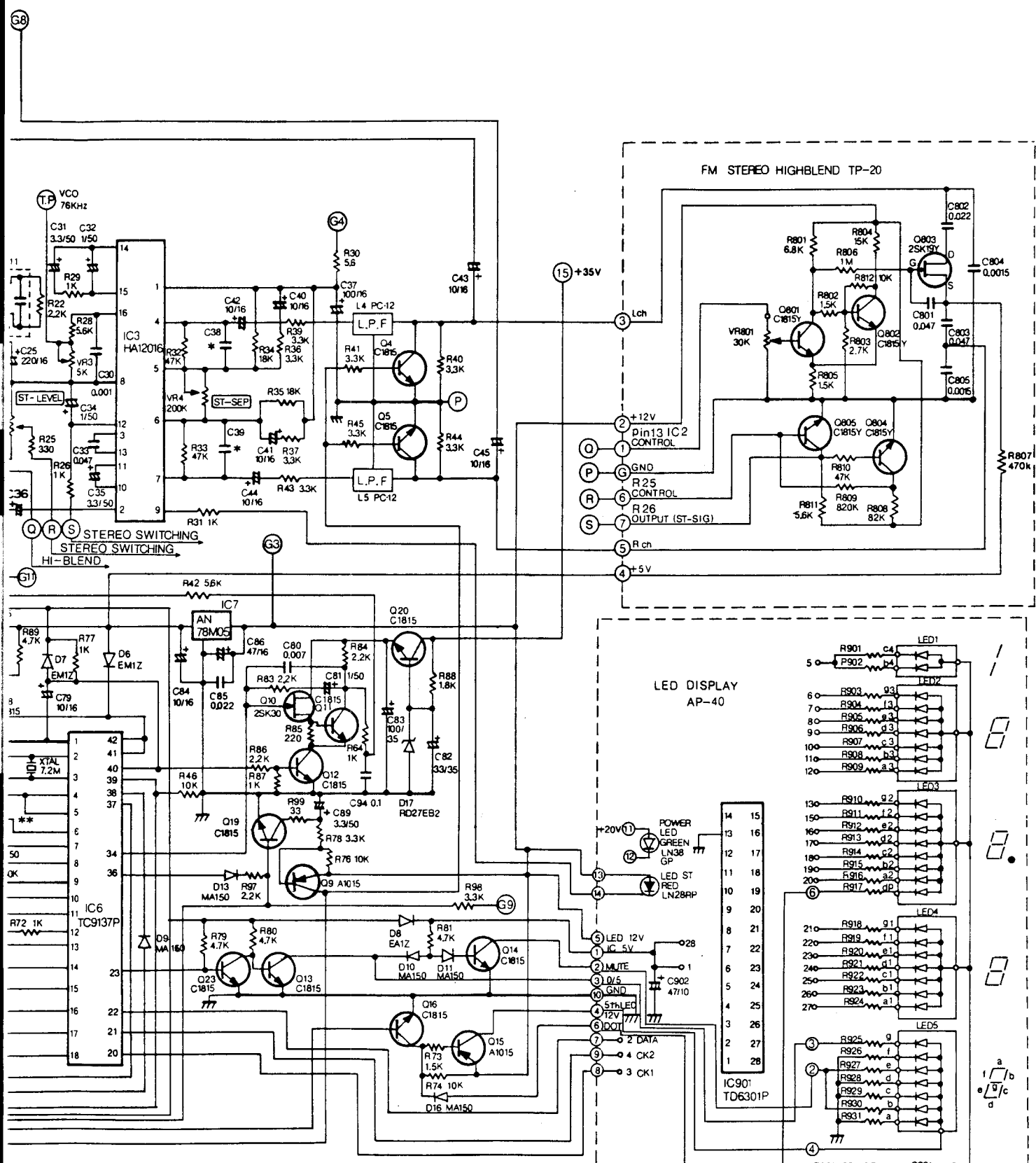


* USA 0.0015 EUROPE 0.001
 ** USA J37A=36K, EUROPE J37+ J36

RIBBON CABLE CONNECTIONS

- G1 AM 12V SW
- G2 GND
- G3 12V
- G4 FM 12V SW
- G5 GND
- G6 AM OUT
- G7 GND
- G8 FM Rch OUT
- G9 MUTE
- G10 FM Lch OUT
- G11 5V FM/AM
- G12 FM SW 5V

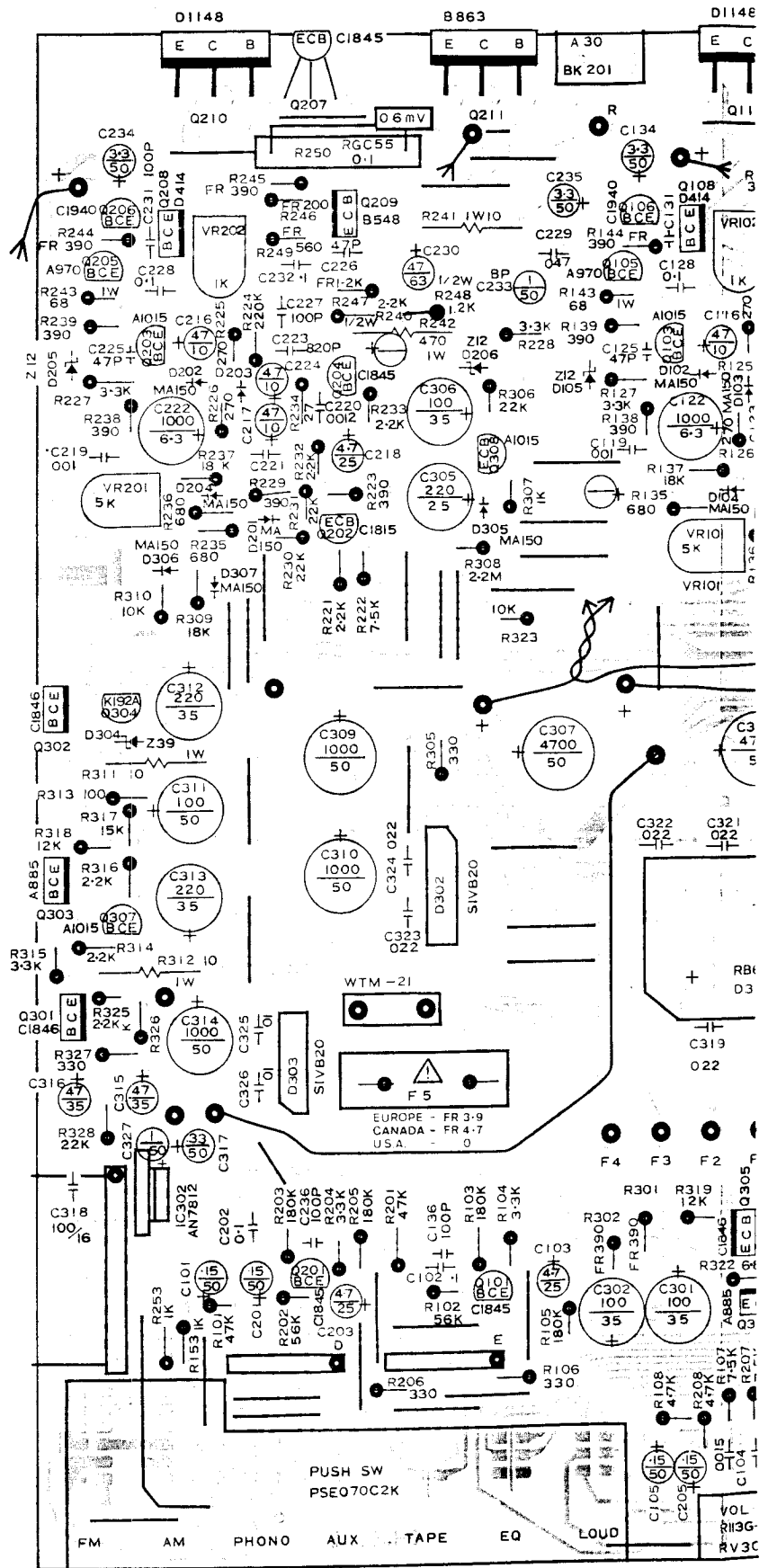
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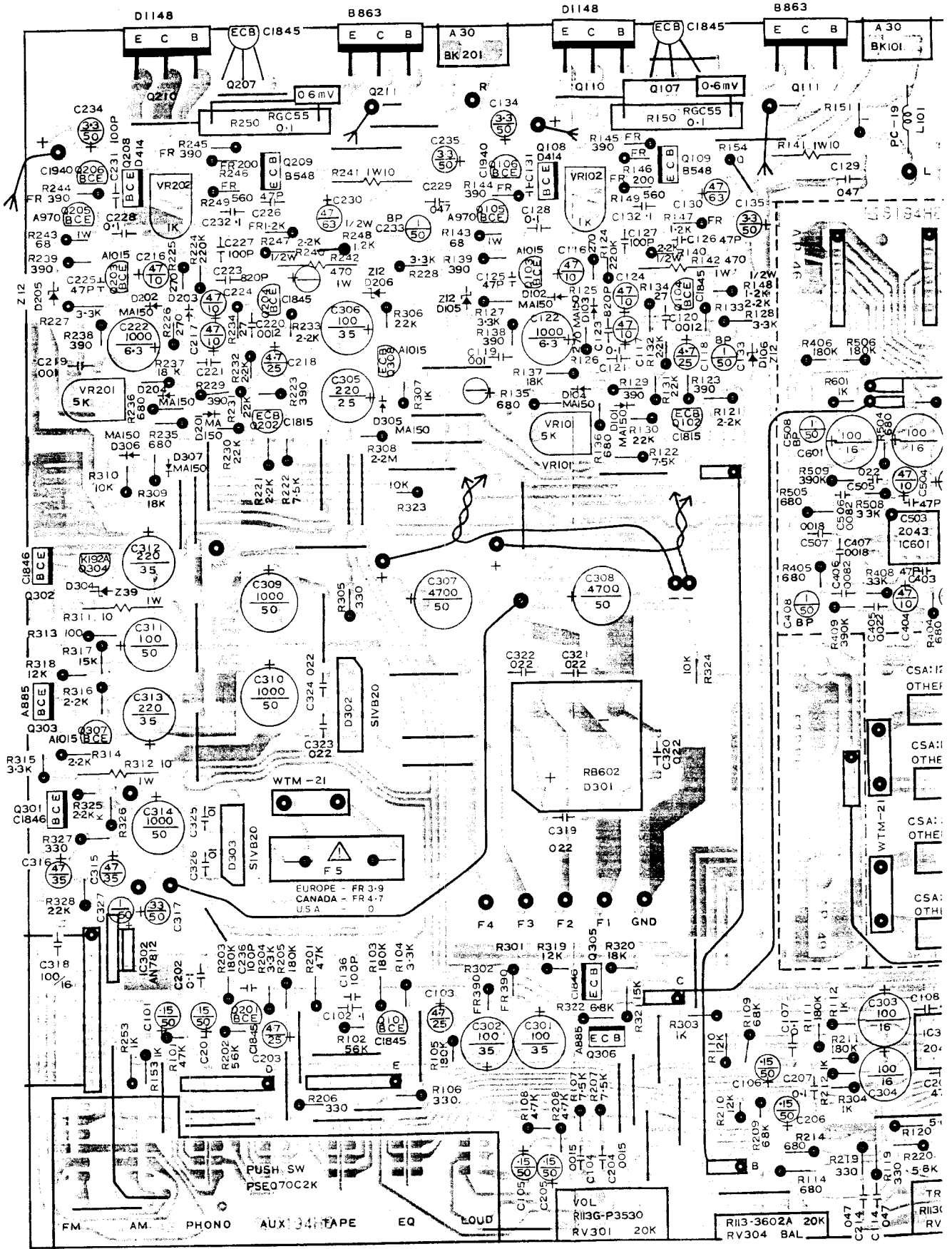
*** CONNECTIONS**

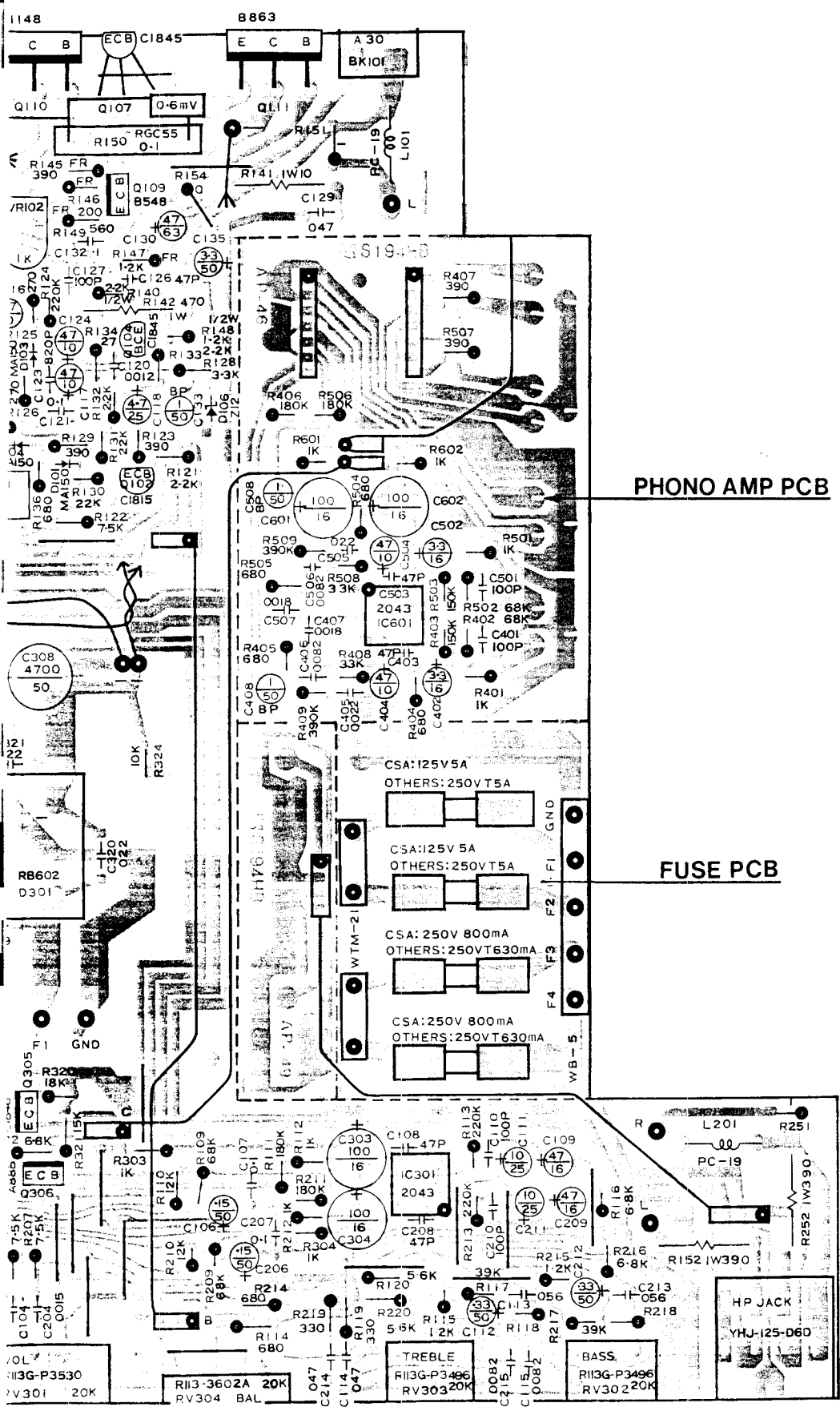
- G8 FM Rch OUT
- G9 MUTING
- G10 FM Lch OUT
- G11 5V FM/AM
- G12 FMSW 5V

AMPLIFIER PCB NAD7125



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 Oxon OX9 4QY
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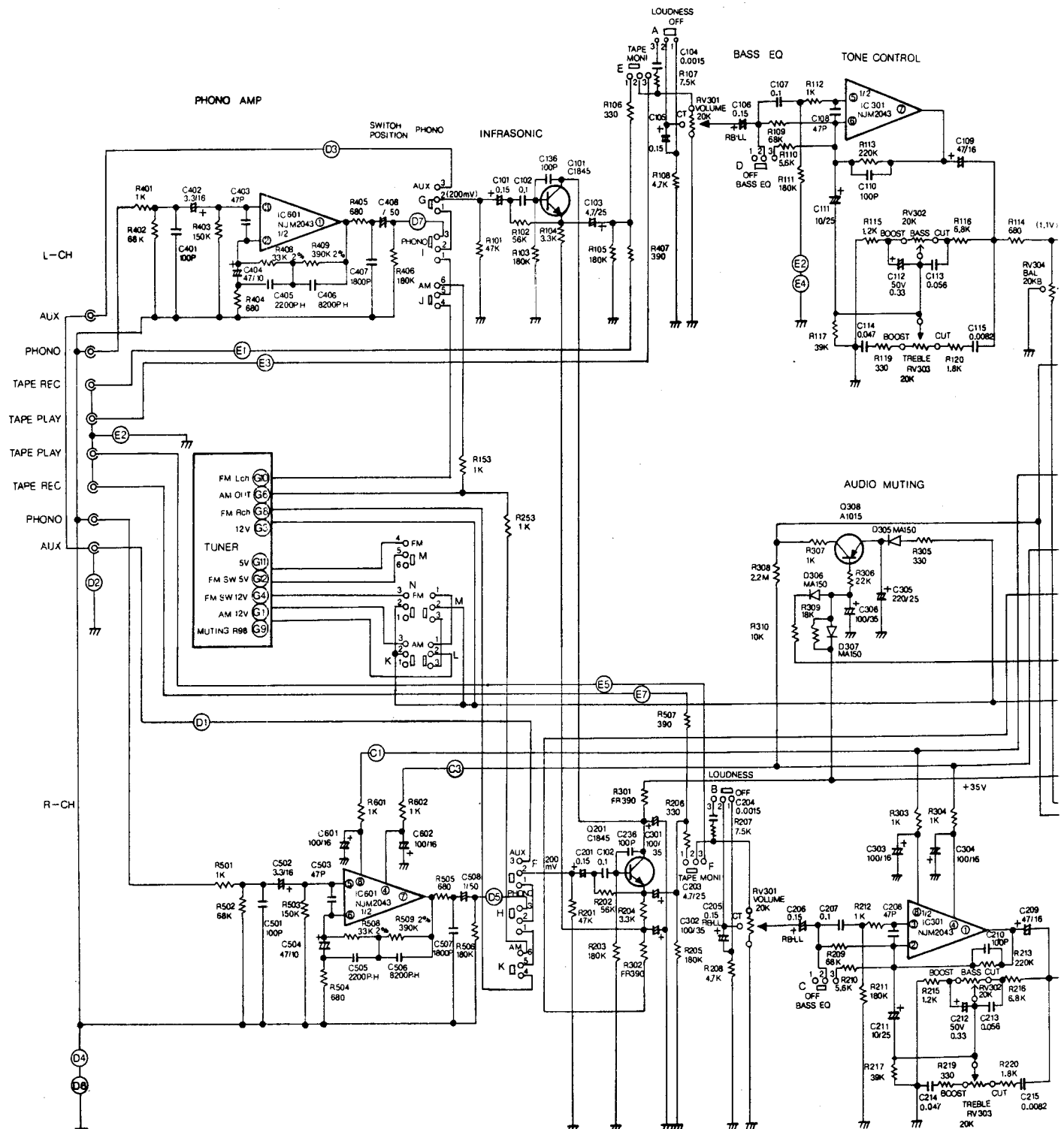




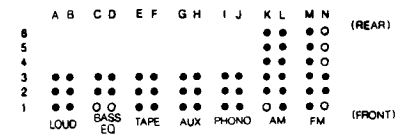
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SCHEMATIC DIAGRAM NAD7125 AMPLIFIER

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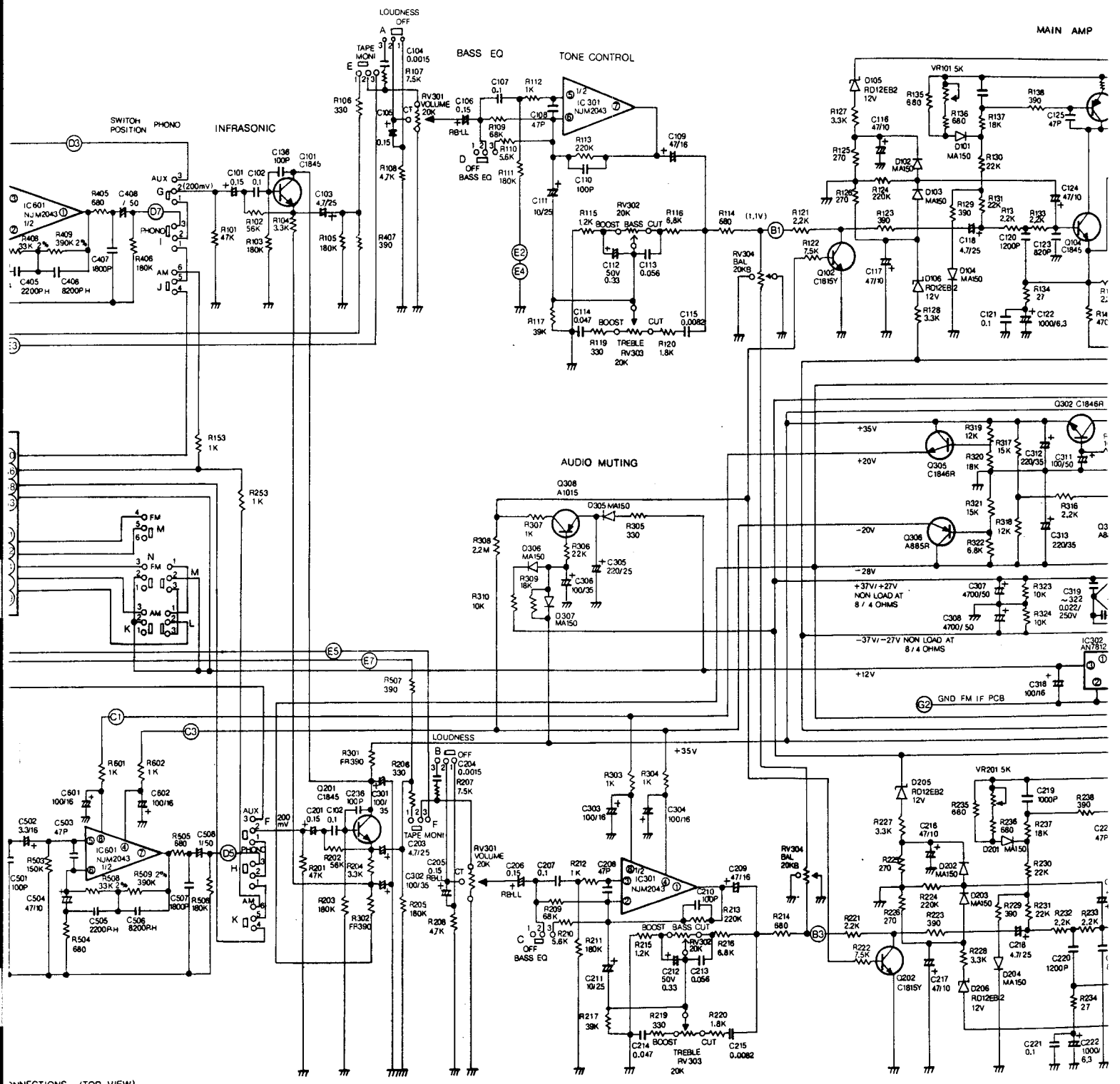
SWITCH CONNECTIONS (TOP VIEW)



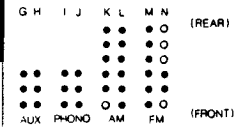
RIBBON CABLE CONNECTIONS

- A1 SPEAKER RIGHT
- A2 GND
- A3 GND
- A4 SPEAKER LEFT
- B1 PRE-AMP TO MAIN-AMP Lch
- B2 GND
- B3 PRE-AMP TO MAIN-AMP Rch

DIAGRAM



CONNECTIONS (TOR VIEW)



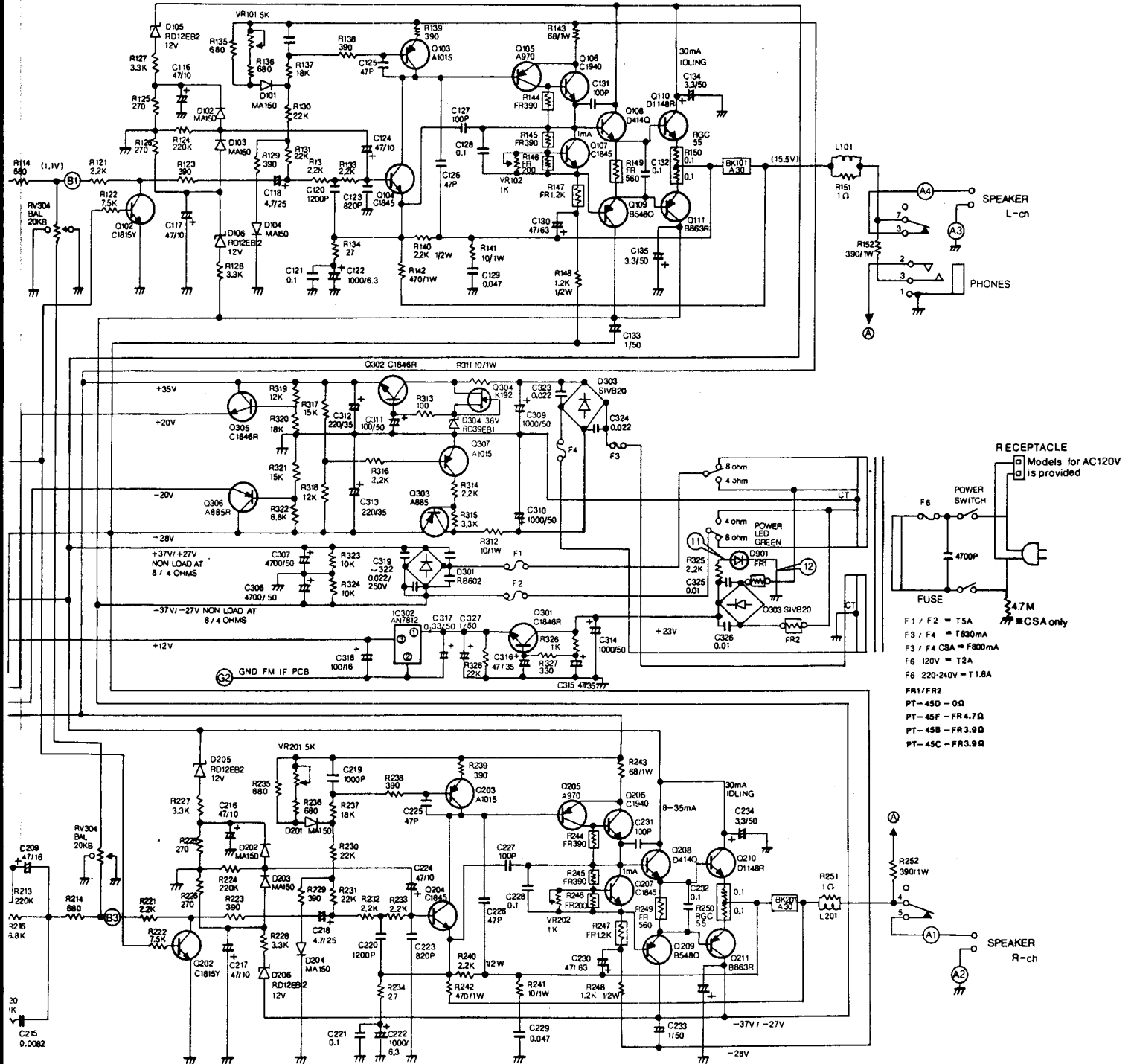
RIBBON CABLE CONNECTIONS

- A1 SPEAKER RIGHT
- A2 GND
- A3 GND
- A4 SPEAKER LEFT
- B1 PRE-AMP TO MAIN-AMP Lch
- B2 GND
- B3 PRE-AMP TO MAIN-AMP Rch

- C1 PHONO AMP +20V
- C2 GND
- C3 PHONO AMP -20V
- D1 AUX Rch
- D2 GND
- D3 AUX Lch
- D4 PHONO GND
- D5 PHONO Rch
- D6 PHONO GND
- D7 PHONO Lch
- E1 REC OUT Lch
- E2 TAPE GND
- E3 TAPE PLAY Lch
- E4 TAPE GND
- E5 TAPE PLAY Rch
- E6 TAPE GND
- E7 REC OUT Rch

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MAIN AMP



RECEPTACLE
 Models for AC120V is provided

POWER SWITCH

FUSE

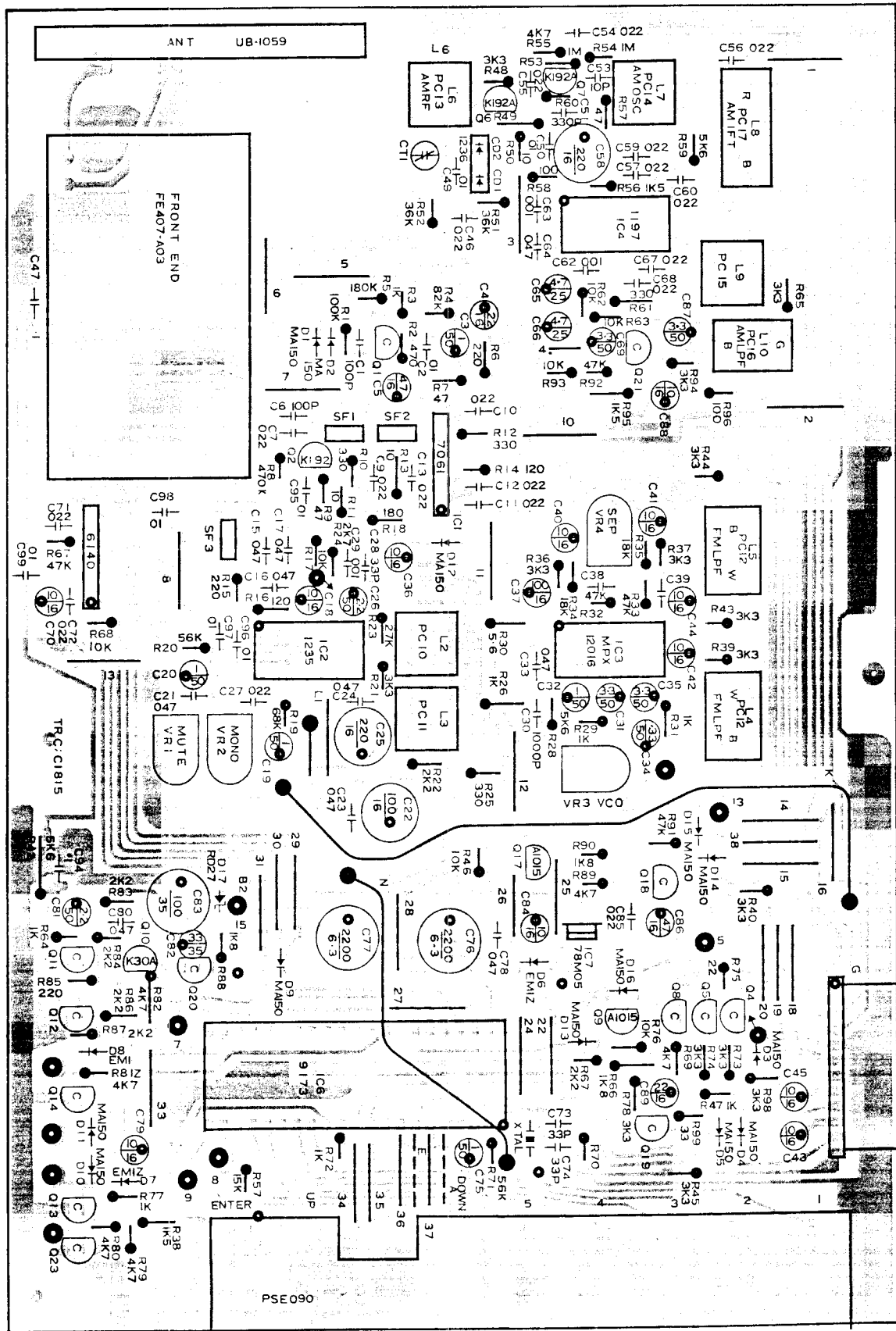
F1 / F2 = T5A
 F3 / F4 = T630mA
 F3 / F4 CSA = F800mA
 F6 120V = T2A
 F6 220-240V = T1.8A

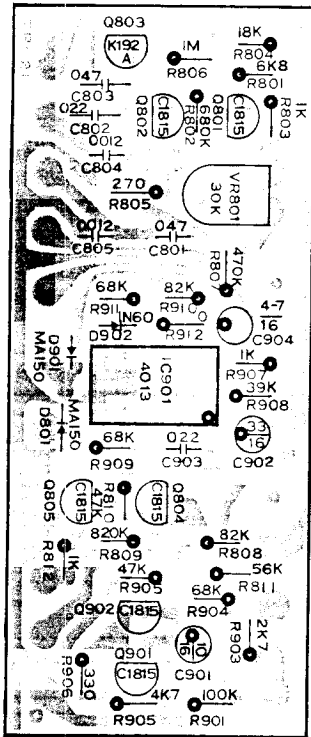
FR1/FR2
 PT-45D - 0Ω
 PT-45F - FR 4.7Ω
 PT-45B - FR 3.9Ω
 PT-45C - FR 3.9Ω

- AP Lch C1 PHONO AMP +20V D1 AUX Rch E1 REC OUT Lch G1 AM 12V SW
 C2 GND D2 GND E2 TAPE GND G2 GND
 AP Rch C3 PHONO AMP -20V D3 AUX Lch E3 TAPE PLAY Lch G3 12V
 D4 PHONO GND D4 TAPE GND E4 TAPE GND G4 FM 12V SW G8 FM Rch OUT
 D5 PHONO Rch D5 TAPE PLAY Rch E5 TAPE PLAY Rch G5 GND G9 MUTING
 D6 PHONO GND D6 TAPE GND E6 TAPE GND G6 AM OUT G10 FM Lch OUT
 D7 PHONO Lch D7 PHONO Lch E7 REC OUT Rch G7 GND G11 5V FM/AM
 G12 FM SW 5V

TUNER PCB NAD7125

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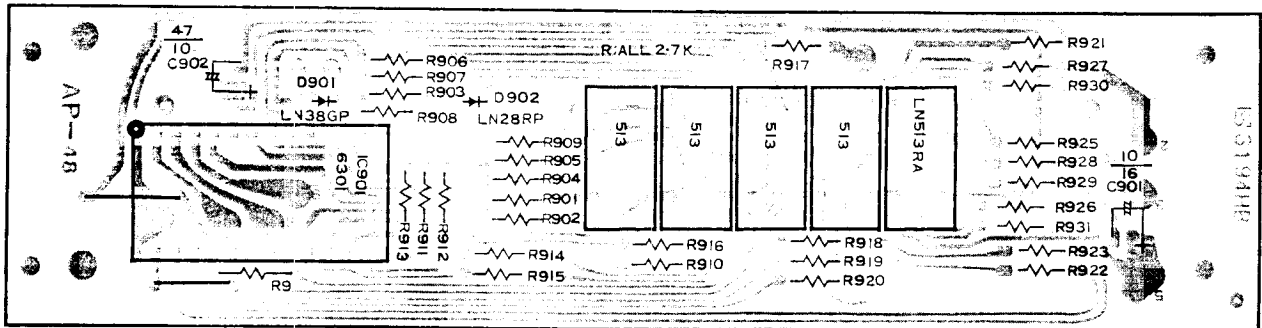




FLICKER PCB
 HI-BLEND
 CENTER TUNING
 STEREO/MONO SWITCHING

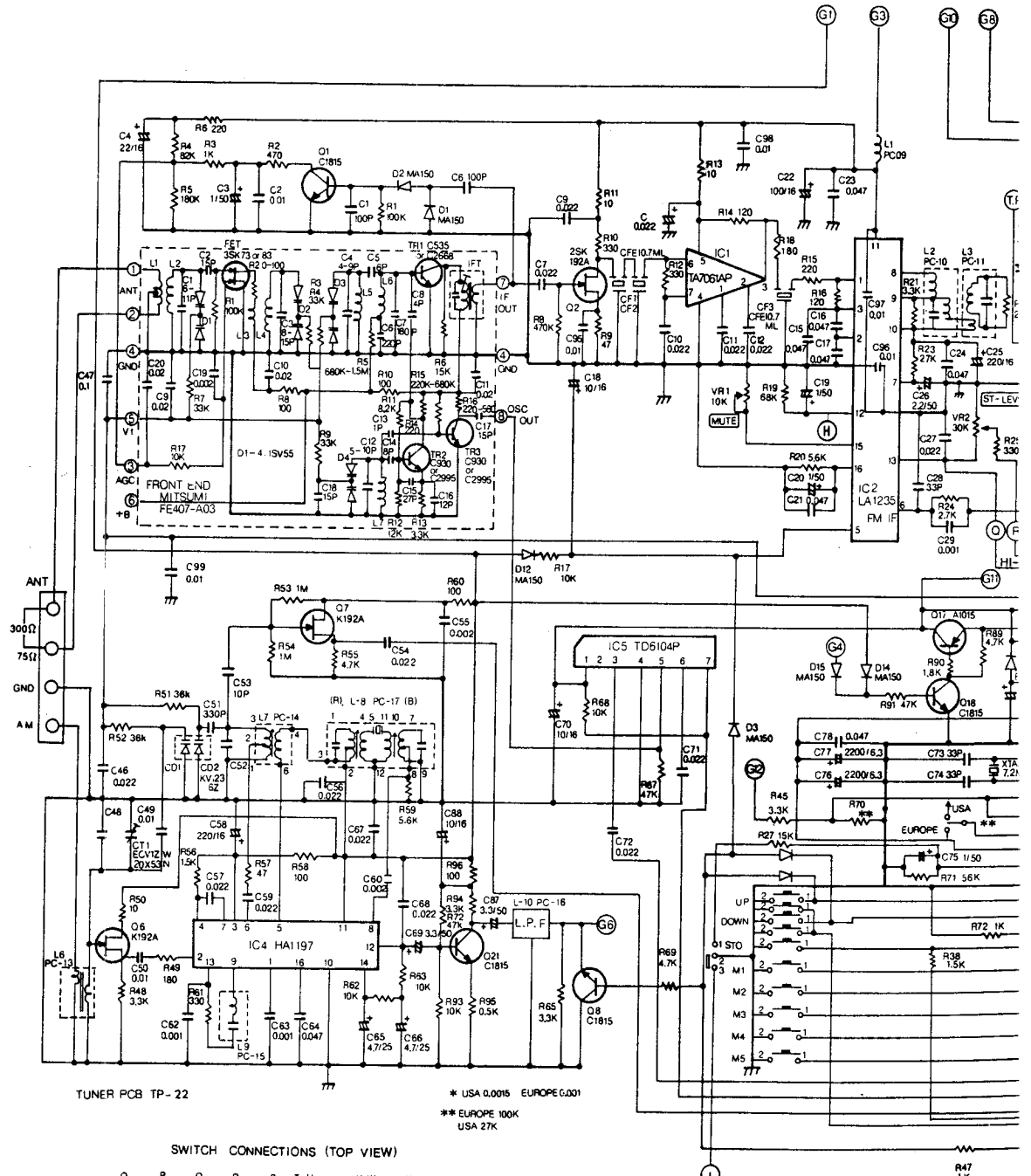
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DISPLAY PCB



SCHEMATIC DIAGRAM NAD7125 TUNER

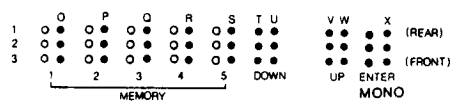
For Service Manuals Contact
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TUNER PCB TP-22

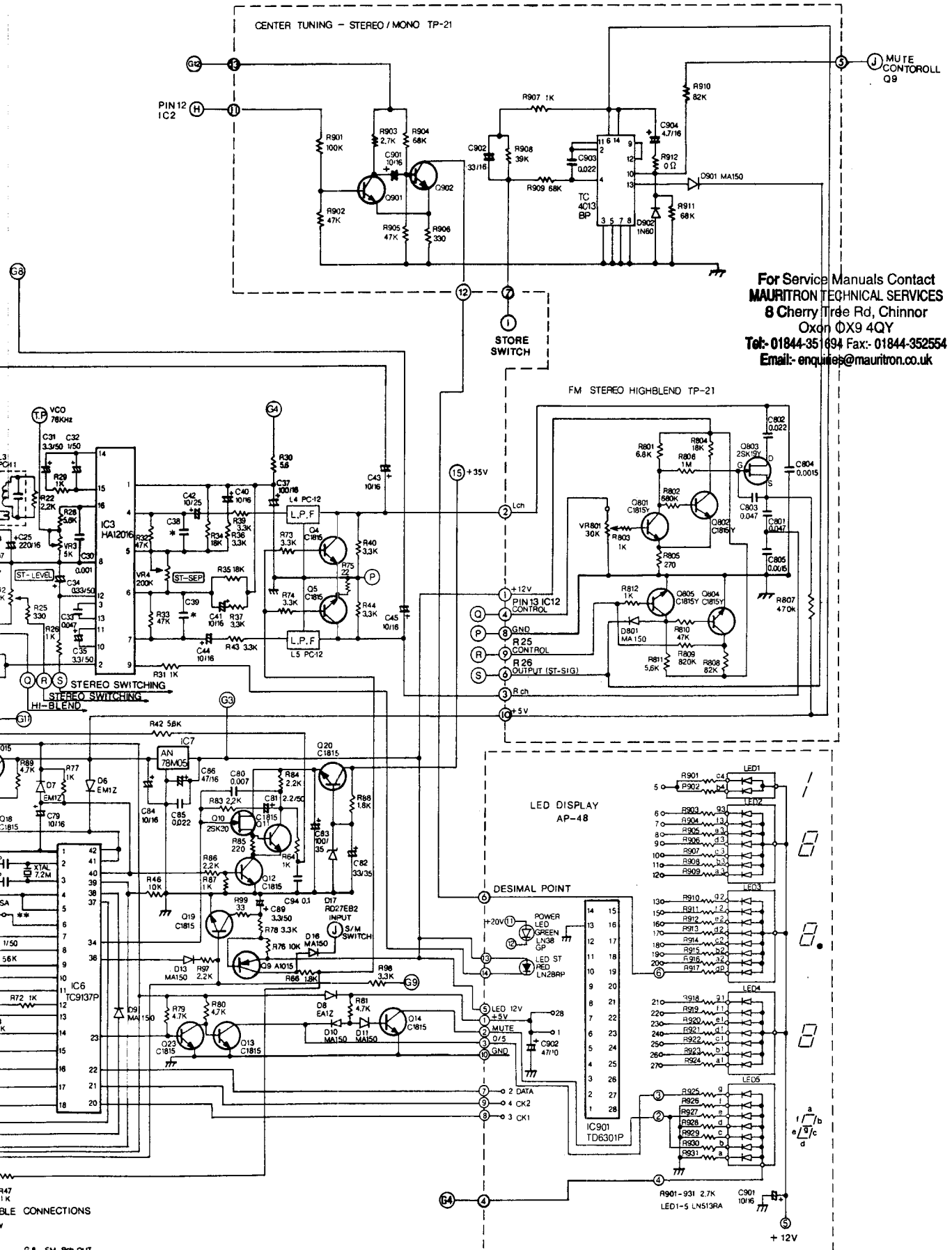
* USA 0.0015 EUROPE 0.001
** EUROPE 100K USA 27K

SWITCH CONNECTIONS (TOP VIEW)



RIBBON CABLE CONN

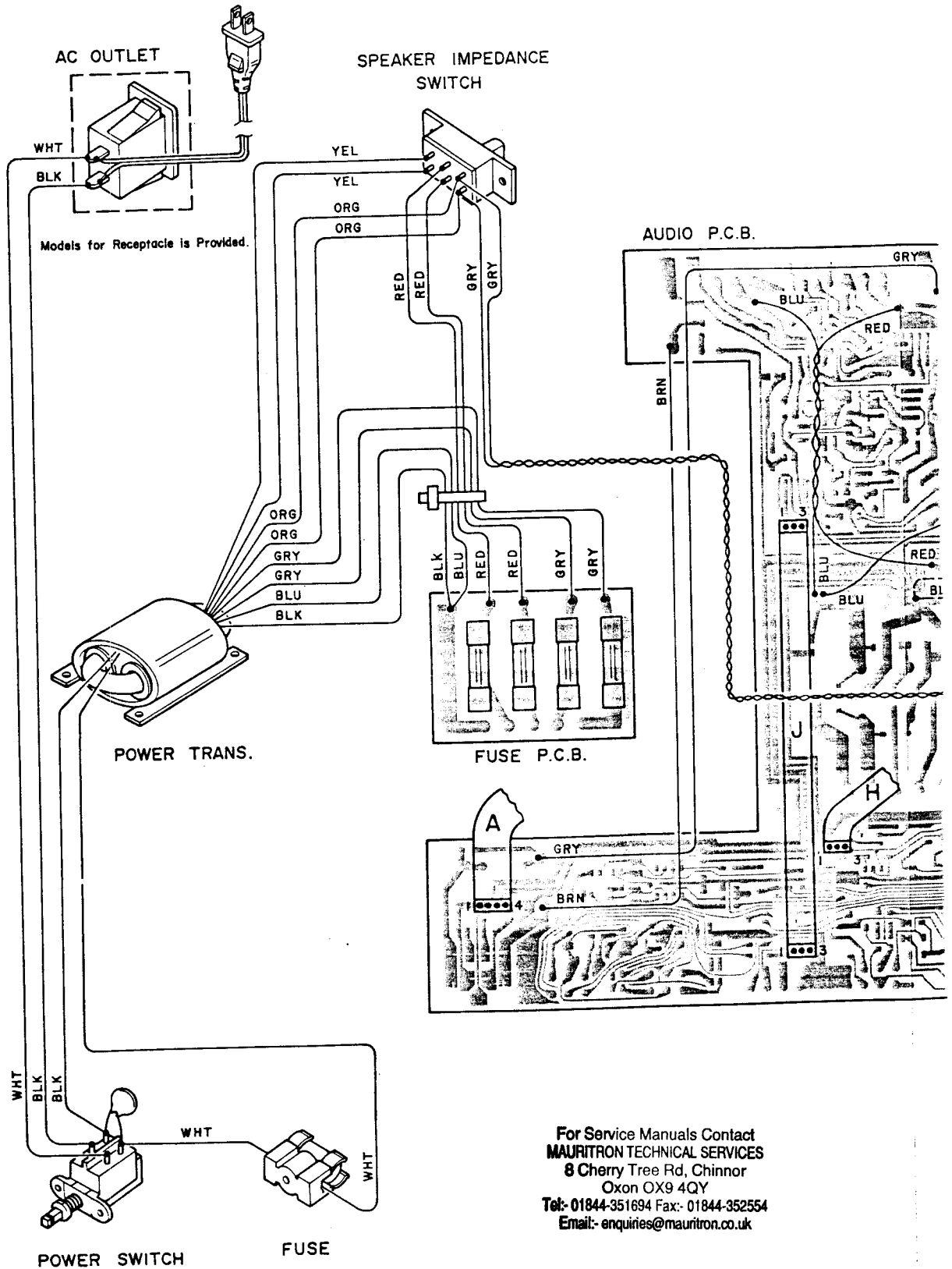
G1	AM 12V SW	G8	F
G2	GND	G9	M
G3	12V	G10	FI
G4	FM 12V SW	G11	S
G5	GND	G12	F
G6	AM OUT	G13	F
G7	GND	G14	P



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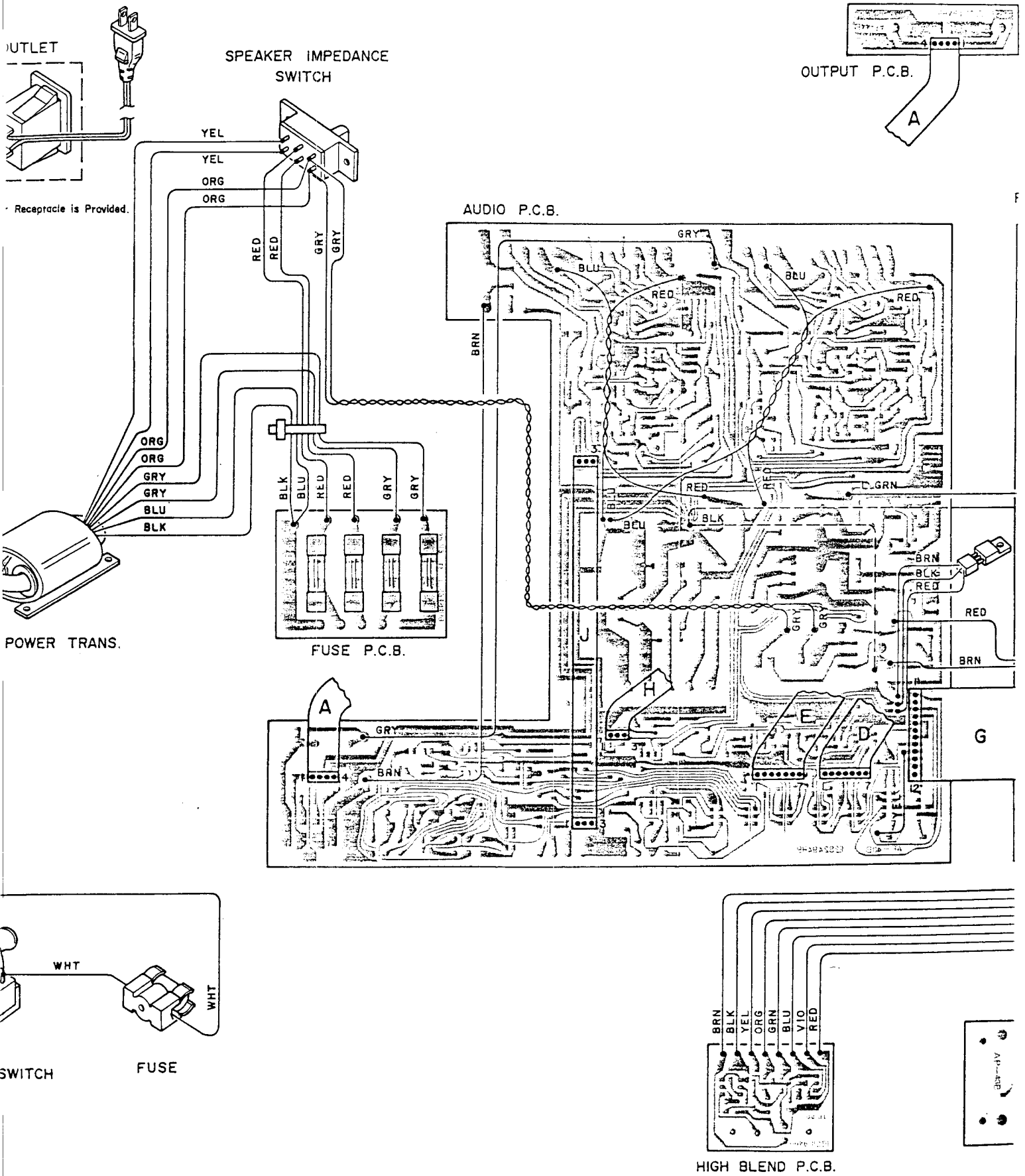
- ABLE CONNECTIONS
- G8 FM Rch OUT
 - G9 MUTING
 - G10 FM Lch OUT
 - G11 5V FM/AM
 - G12 FM SW 5V

WIRING DIAGRAM NAD7120

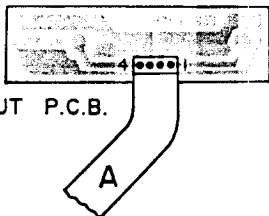


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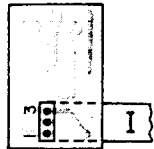
RAM



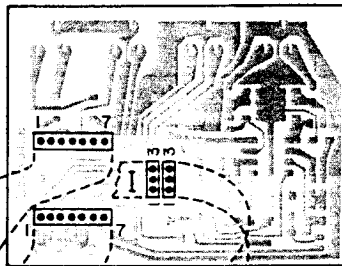
OUTPUT P.C.B.



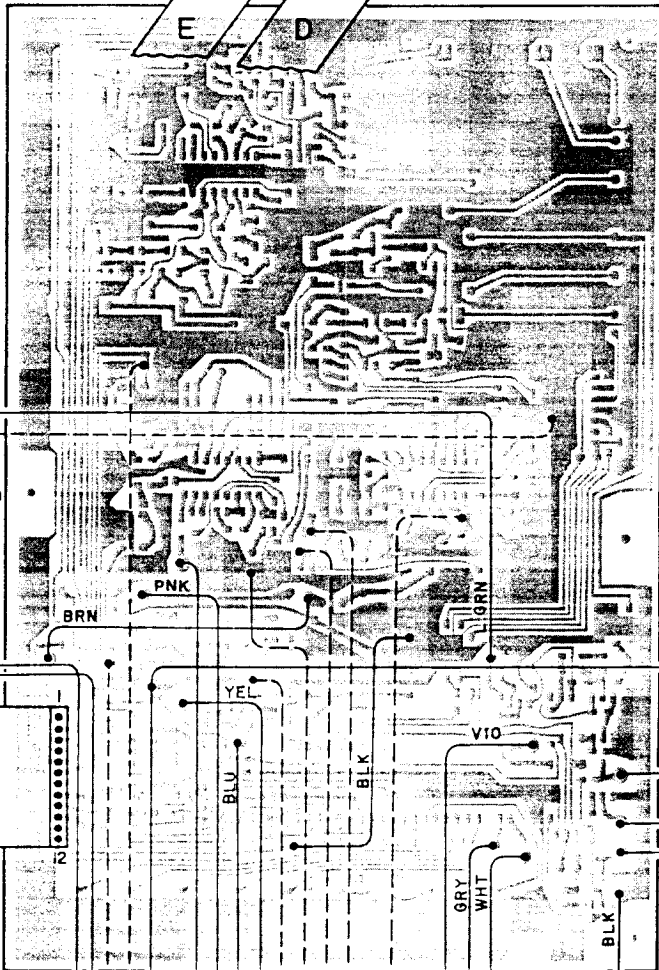
DC OUTPUT P.C.B.



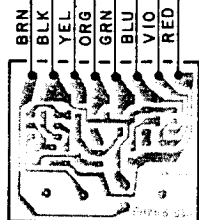
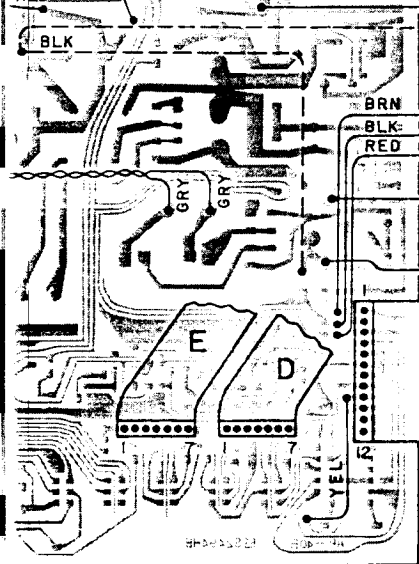
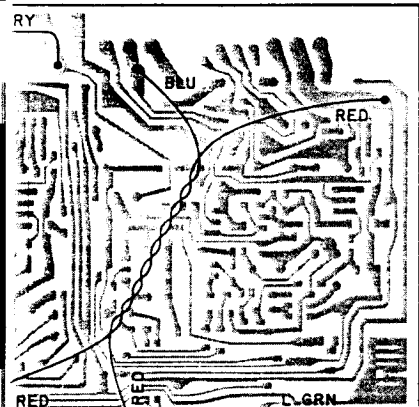
INPUT. PHONO P.C.B.



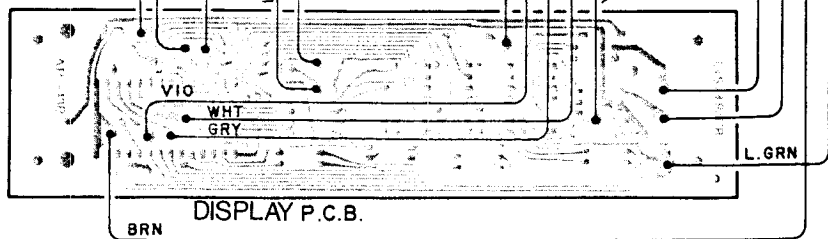
FM/AM TUNER P.C.B.



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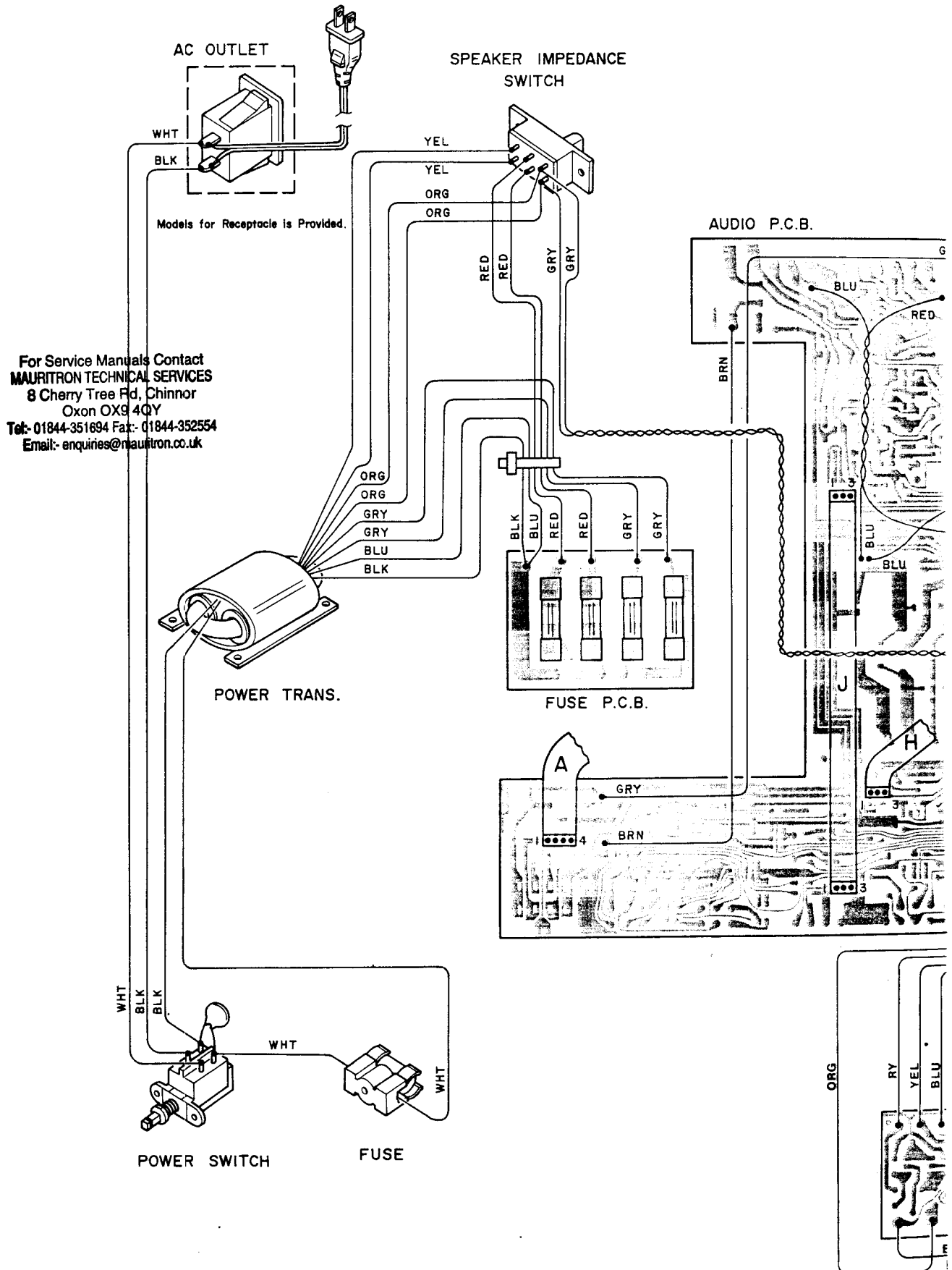


HIGH BLEND P.C.B.

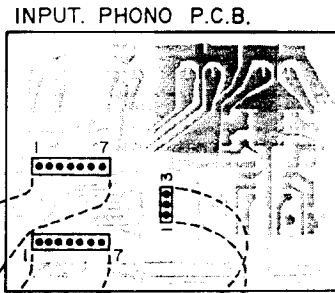
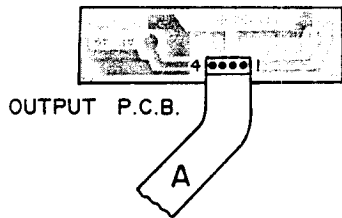


DISPLAY P.C.B.

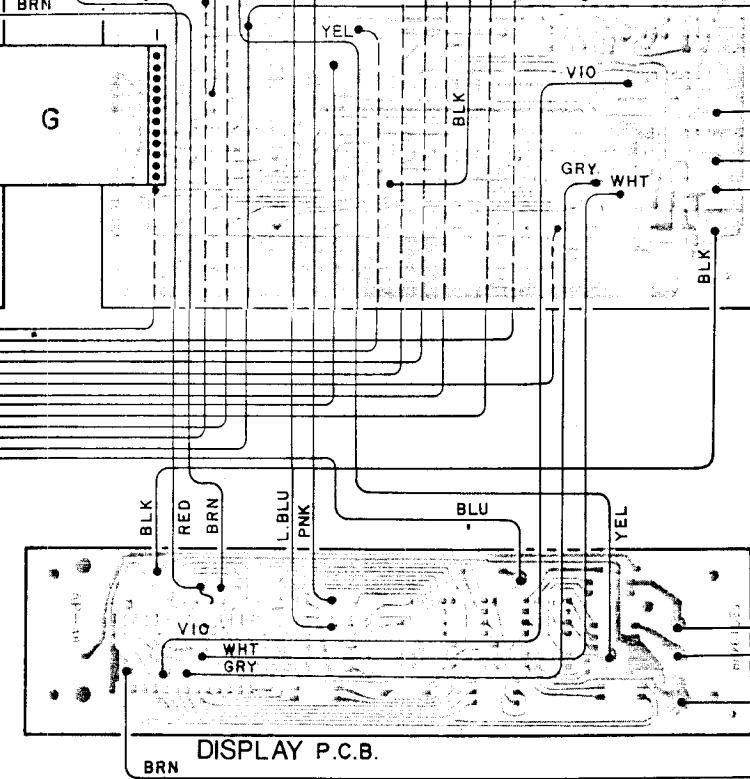
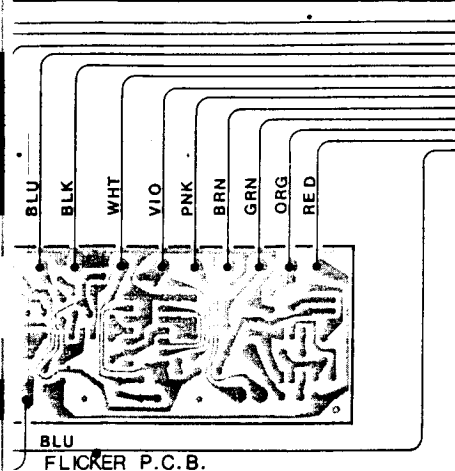
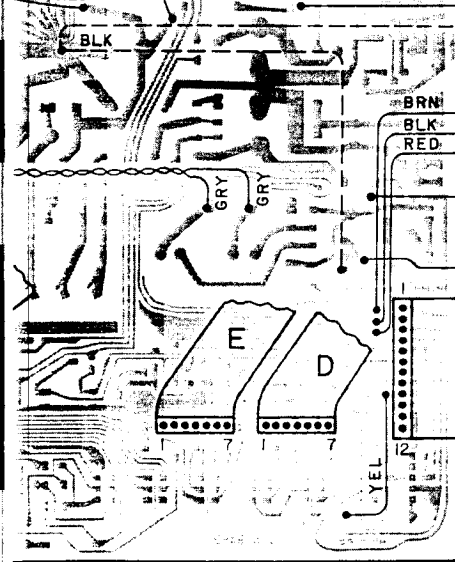
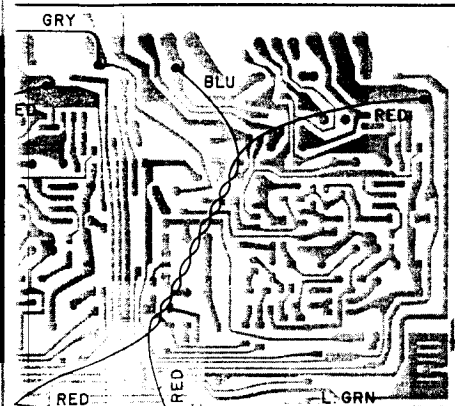
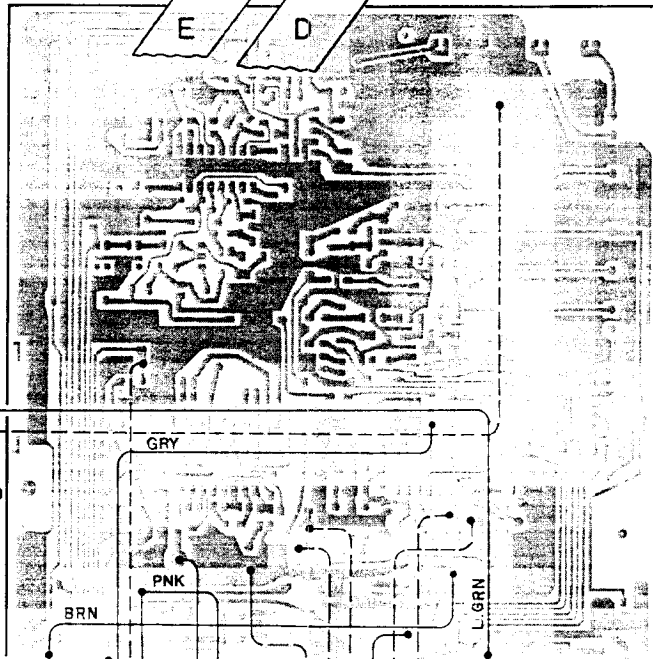
WIRING DIAGRAM NAD7125



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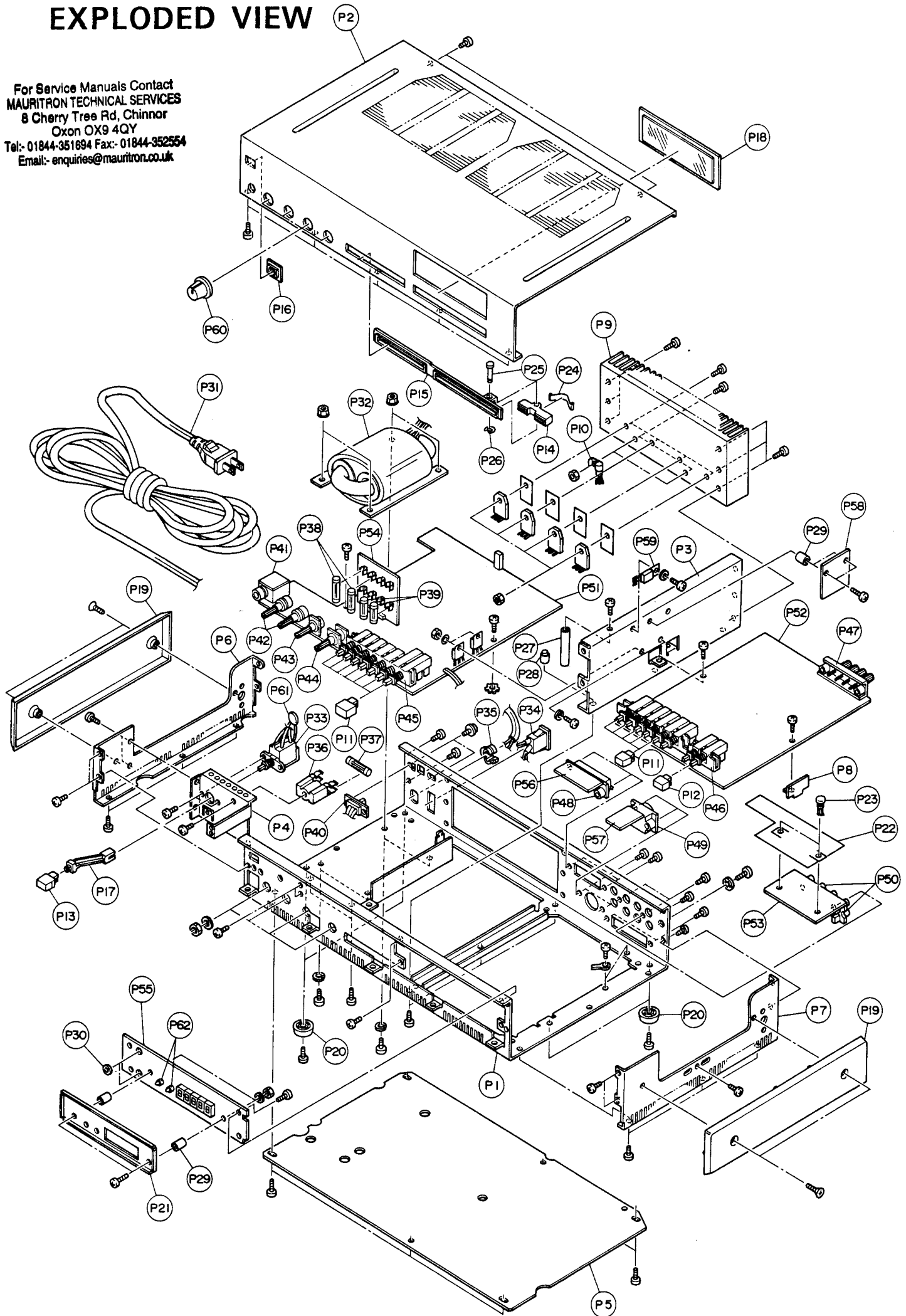


FM/AM TUNER P.C.B.



EXPLODED VIEW

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PARTS LIST

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 6 Cherry Tree Rd, Chinnor
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7120 / 7125

Ref. No.	Code No.	Description	Parts No.
P 1	142474	Bottom Chassis (AQ)220V	SN-210020E-1
	142475	" (AR)120V UL	SN-210020E-2
	141576	" (AT)120V CSA	SN-210020E-3
	141575	" (AS)240V	SN-210020E-
P 2	312864	Wrap Around Top Panel	SN-220254
P 3	141566	Chassis Frame	SN-230304
P 4	141567	AC Switch Bracket	SN-230303-A
P 5	141570	Bottom Plate	SN-220255
P 6	141568	Side Bracket (L)	SN-230310
P 7	141569	Side Bracket (R)	SN-230311
P 8	141573	p.c.b. Bracket	SN-241009
P 9	212414	Heat Sink (SP)	SN-230307
P10	373477	Heat Sink for Transistor	No.37
P11	302788	Square Push Button	KB-10D
P12	302928	Square Push Button	KR-10D
P13	302929	Square Push Button	KG-10D
P14	302927	Square Push Button	KB-08GA
P15	182182	Square Button Frame (SJ)	SN-230309
P16	182176	Square Button Frame (SI)	SN-240988
P17	182181	Power Switch Arm (SB)	SN-230302
P18	182175	LED Window (SA)	SN-240987
P19	182177	Side Plate	SN-230301
P20	192237	Foot	MD-304
P21	182180	LED Indicator Plate	SN-241004
P22	192398	P.C.B. Cover	SN-241010
P23	192293	Plastic Rivet	No.1027
P24	222456	Leaf Spring (SW)	SN-241002
P25	141572	Shaft A, Tuning Button	SN-241005
P26	...	E-Ring for Shaft A	...
P27	151689	Stud No.14	SN-230241
P28	151690	Stud No.15	SN-241018
P29	151678	Bs. Stud No.4	SN-230242I
P30	151688	Bs. Stud No.13	
P31	202310	AC Power Cord 220V	SP-204
	202304	" 120V USA	SPT-1
	202321	" 120V CSA	SPT-2
	202307	" 240V BS/SAA	

Ref.No.	Code No.	Description	Parts No.
P32	161878	Power Transformer 120V(USA)	PT-45D
	161879	" 220V	PT-45B
	161880	" 120V(CSA)	PT-45F
	161881	" 240V	PT-45C
P33	111118	Power Switch 220V, 240V	ESB-90117s
	111124	" 120V	ESB-90102t
P34	121230	AC Convenience Outlet (US/CSA)	S2-737T-100
P35	373475	AC Cord Stopper 220V/240V	W-5116
	373495	" 120V(USA)	SR-3P-4
	372898	" 120V(CSA)	SR-4N-4
P36	262574	Fuse Holder 220V/120V(USA)	UF-0015
	261797	" 120V(CSA)	H-0445
P37		Time Lag Fuse	
P38		Time Lag Fuse	
P39		Time Lag Fuse	
P40	111142	Speaker Impedance Switch	
P41	121235	Headphone Jack	YHJ-125-060
P42	101042	Rotary Variable Res. (Bas/Treb)	R113G-P3496-2
P43	101036	Rotary Variable Res. (Balance)	R113-3602A
P44	101037	Rotary Variable Res. (Volume)	R113G-P3530
P45	111147	Push Switch	PSE070C2K
P46	111141	Push Switch	PSE090
P47	121231	Antenna Terminals	UB-1059#02
P48	121233	Speaker Terminals	UG-0020#1
P49		DIN Socket	
P50	121178	4P-PIN Jack (PHONO INPUT, AUX INPUT, TAPE Rec./Play)	UA-1075#01
P51		PCB, Audio Sect.	
P52		PCB, Tuner Sect.	
P53		PCB, Phono Sect.	
P54		PCB, Fuse	
P55		PCB, LED	
P56		PCB, Speaker Terminals	
P57		PCB, DIN Socket	
P58		PCB, Hi-Blend (7120)	
		PCB, Flicker (7125)	
P59	030122	IC, Regulator	AN-7812
P60	302926	Round mould knob	PB-18B
P61		Capacitor, Noise Killer	
P62		LED Spacer	

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