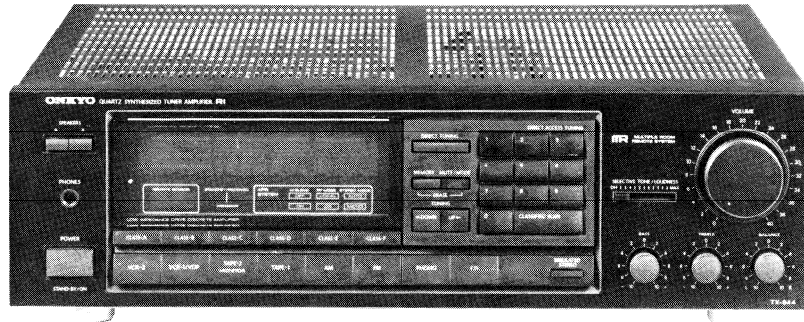


ONKYO SERVICE MANUAL

QUARTZ SYNTHESIZED TUNER AMPLIFIER MODEL TX-844



Black model

BHUD, BHUDN, BHUDC	120V AC, 60Hz
BHUG	220V AC, 50Hz
BHUW	120/220V AC, 50/60Hz
BHUQA, BHUQB	240V AC, 50Hz

SAFETY-RELATED COMPONENT WARNING!!
COMPONENTS IDENTIFIED BY MARK **▲** ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PARTS NUMBERS APPEAR AS SHOWN IN THIS MANUAL.
MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

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SPECIFICATIONS

AMPLIFIER SECTION

	-220V/Worldwide models-	-120V model-
Power output:	60 watts per channel, min, RMS, at 8 ohms, both channels driven, from 20Hz to 20kHz, with no more than 0.04% total harmonic distortion.	60 watts per channel, min, RMS, at 8 ohms both channels driven, from 20Hz to 20kHz, with no more than 0.04% total harmonic distortion.
Musical Power Output:	2×160 watts at 4 ohms, 1kHz (DIN) 2×100 watts at 8 ohms, 1kHz (DIN)	
Continuous Power Output:	2×90 watts at 4 ohms, 1kHz (DIN) 2×70 watts at 8 ohms, 1kHz (DIN)	
Total Harmonic Distortion:	0.08% at rated power 0.08% at 1 watts output	0.08% at rated power
IM Distortion:	0.08% at rated power 0.08% at 1 watts output	0.08% at rated power
Damping Factor:	60 at 8 ohms	60 at 8 ohms
Frequency Response:	20–30,000Hz ±1dB	20–30,000Hz ±1dB
RIAA Diviation:	20–20,000Hz ±0.8dB	20–20,000Hz ±0.8dB
Sensitivity and Impedance:	Phono: 2.5mV/50 kohms CD: 150mV/50 kohms Tape Play: 150mV/50 kohms Tape Rec: 150mV/3.5 kohms	Phono: 2.5mV/50 kohms CD: 150mV/50 kohms Tape Play: 150mV/50 kohms Tape Rec: 150mV/3.5 kohms
Phono Overload (MM):	120mV RMS at 1kHz, 0.08% THD.	120mV RMS at 1kHz, 0.08% THD.
Signal-to-Noise Ratio:	Phono: 80dB (at 5mV input, IHF-A) CD/Tape: 102dB (IHF A)	Phono: 80dB (at 5mV input, IHF-A) CD/Tape: 100dB (IHF A)
Tone controls:	Bass: ±10dB at 100Hz Treble: ±10dB at 10kHz	Bass: ±10dB at 100Hz Treble: ±10dB at 10kHz
Muting	–∞	–∞

TUNER SECTION

FM:

Tuning Range:	87.50–108.00MHz (50kHz steps) 87.50–108.00MHz (50kHz steps) or 87.9–107.9kHz (200kHz steps) (Worldwide model)	87.9–107.9MHz (200kHz steps)
Usable Sensitivity:	Mono: 12.8dBf, 1.2μV, 75 ohms 1.0μV (S/N 26dB, 40kHz Devi.) 75ohms DIN Stereo: 18.0dBf, 2.2μV, 75ohms 23μV (S/N 46dB, 40kHz Devi.) 75ohms DIN	Mono: 11.2dBf, 2.0μV Stereo: 17.2dBf, 4.0μV
50dB Quieting Sensitivity:	Mono: 18.0dBf, 2.2μV, 75ohms Stereo: 37.2dBf, 20μV, 75ohms	Mono: 17.2dBf, 4.0μV Stereo: 37.2dBf, 40μV
Capture Ratio:	1.5dB	1.5dB
Image Rejection Ratio:	85dB	40dB
IF Rejection Ratio:	90dB	90dB
Signal-to-Noise Ratio:	Mono: 73dB Stereo: 67dB	Mono: 72dB Stereo: 66dB
Alternate Channel Attenuation:		55dB
Selectivity:	50dB DIN (±300kHz, 40kHz, dev.)	
AM suppression Ratio:	50dB	50dB
Harmonic Distortion:	Mono: 0.15% Stereo: 0.30%	Mono: 0.15% Stereo: 0.30%
Frequency Response:	30–15,000Hz ±1.5dB	30–15,000Hz ±1.5dB
Stereo Separation:	45dB at 1kHz 30dB at 100–10,000Hz	45dB at 1kHz 30dB at 100–10,000Hz
Muting Level:	17.2dBf, 4.0μV	17.2dBf, 4.0μV
AM:		
Tuning Range:	522–1611kHz (9kHz steps) 531–1602kHz (9kHz steps) Saudi Arabia & Worldwide model	530–1710kHz (10kHz steps)
Usable Sensitivity:	30μV	30μV
Image Rejection Ratio:	40dB	40dB
IF Rejection Ratio:	40dB	40dB
Signal-to-Noise Ratio:	40dB	40dB
Harmonic Distortion:	0.7%	0.7%

GENERAL

Dimensions (W×H×D):	435×137×350mm 17-1/8"×5-3/8"×13-3/4"
Weight:	9.0kg., 19.8 lbs.

Specifications and features are subject to change without notice.

SERVICE PROCEDURES

1. Replacing the fuses

For continued protection against fire hazard, replace only with same type and same rating fuse.

D (120V) model

Circuit no.	Part no.	Description
F901	252050	5 A (ST-6), Primary

G (220V) and Q (240V) models

Circuit no.	Part no.	Description
F902	252075	2.5A-SE-EAK, Primary
F903	252075	2.5A-SE-EAK, AC outlet (Only 220V model)

W (Worldwide) model

Circuit no.	Part no.	Description
F901	252050	5A (ST-6), Primary
F902	252075	2.5A-SE-EAK, Primary

2. Change of FM/AM band step.

With the exception of the models below, a BAND STEP selector switch is not provided.

(FM)

MODEL	BAND STEP	D761
UD	200kHz→50kHz	Additional
UG/UQ	50kHz→200kHz	Eliminated

(AM)

BAND STEP	D717
10kHz→ 9kHz	Eliminated
9kHz→10kHz	Additional

In D761 and D717 1SS133 (Part No. 223163) are used.

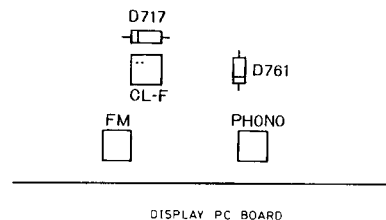
– Worldwide model –

Worldwide models are equipped with a step band selector switch. This switch is located on the back panel. This switch is set to 50kHz (FM) and 9kHz (AM) at the factory, but may have to be reset to 200kHz and 10kHz depending on the area where the unit is used.

	De-emphasis	FM step	AM step
Europe:	50 μ sec	50kHz	9kHz
U.S.A.:	75 μ sec	200kHz	10kHz

3. Memory preservation

This unit does not require memory preservation batteries. A built-in memory power back-up system preserves contents of the memory during power failures and even when the unit is unplugged. The unit must be plugged in



and the power switch turned on and off once in order to charge the back-up system. Note that since this is not a permanent memory the power switch must be turned on and off a few times each month to keep the back-up system operative. The period of time during which memory contents are preserved after power has last been turned off varies depending on climate and placement of the unit. On the average, memory contents are protected over a period of 3 to 4 weeks (a minimum of 2 weeks) after the last time power has been turned off. This period is shorter when the unit is exposed to very high humidity or used in an area with an extremely humid climate.

4. Safety-check out

(Only U.S.A. model)

After correcting the original service problem perform the following safety check before releasing the set to the customer.

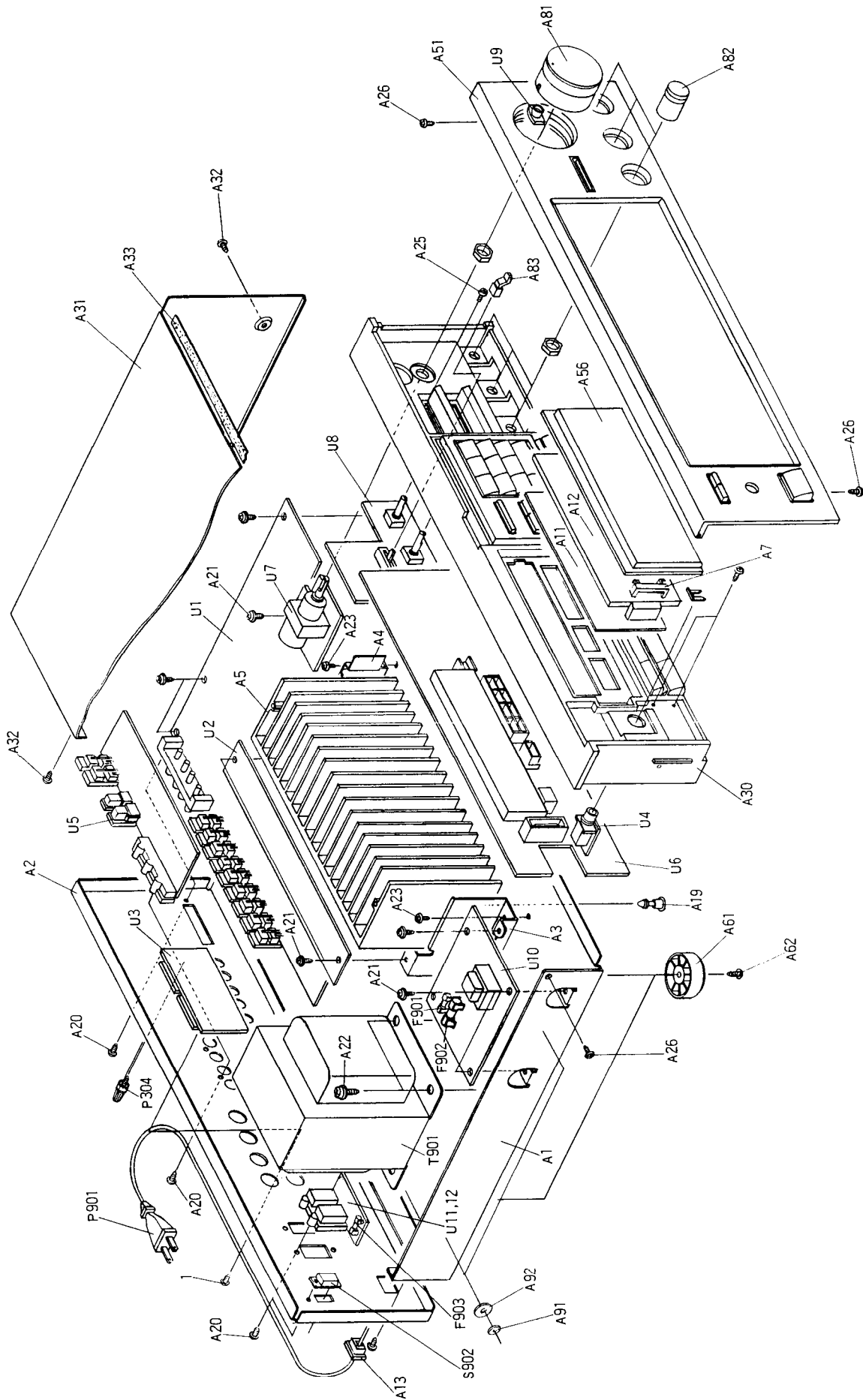
Connect the insulating-resistance tester between the plug of power supply cord and terminal GND on the back panel. Specifications: 3.3 Mohm \pm 10% at 500V.

5. Change of voltage

Worldwide models are equipped with a voltage selector to conform with local power supplies. This switch is located on the back panel. Be sure to set this switch to match the voltage of the power supply in your area before turning the power switch on.

This switch is set to 220V at the factory. Voltage is changed by sliding the groove in the switch with the screwdriver to the right or left. Confirm that the switch has been moved all the way to the right or left before turning the power switch on.

EXPLODED VIEW



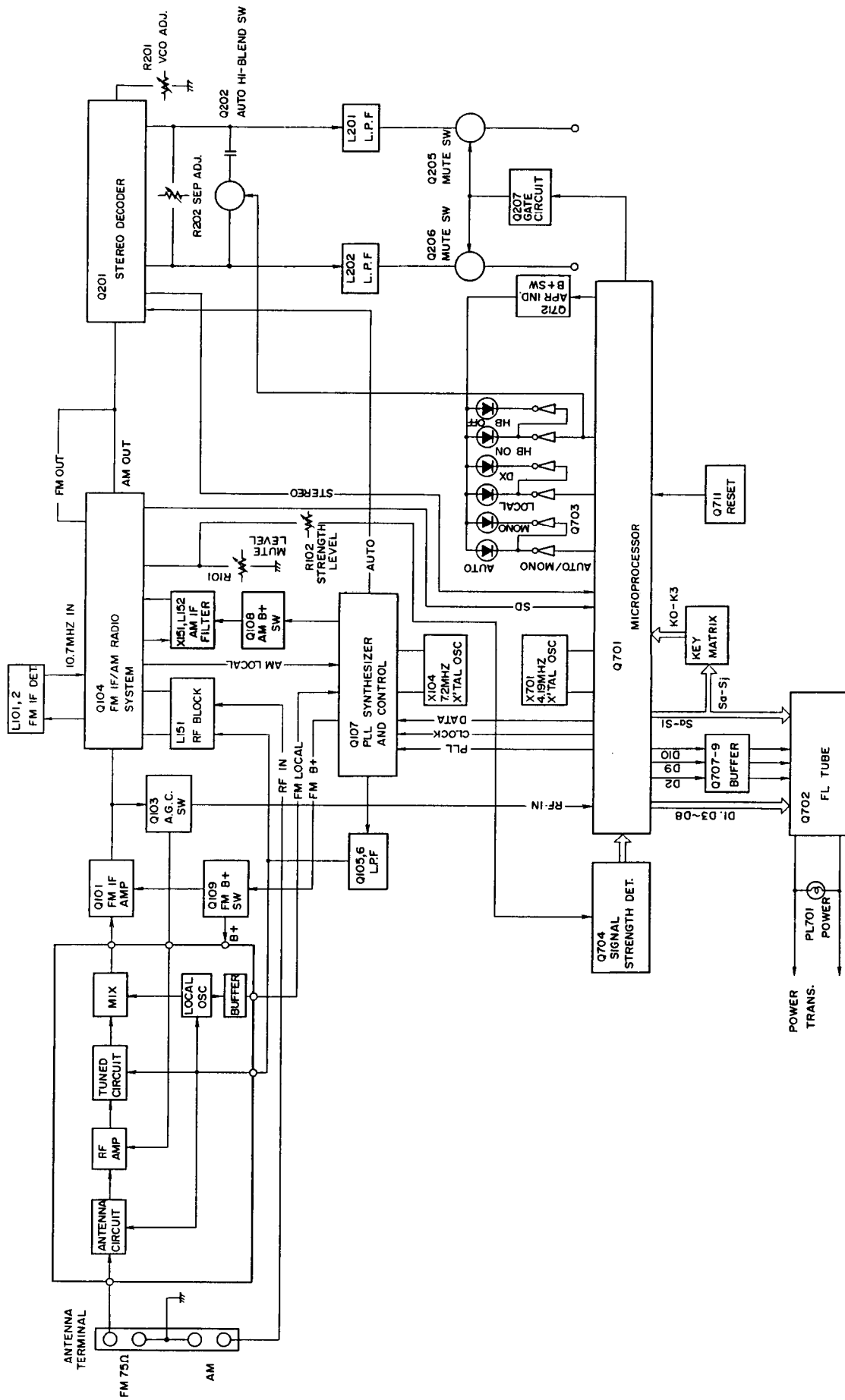
PARTS LIST

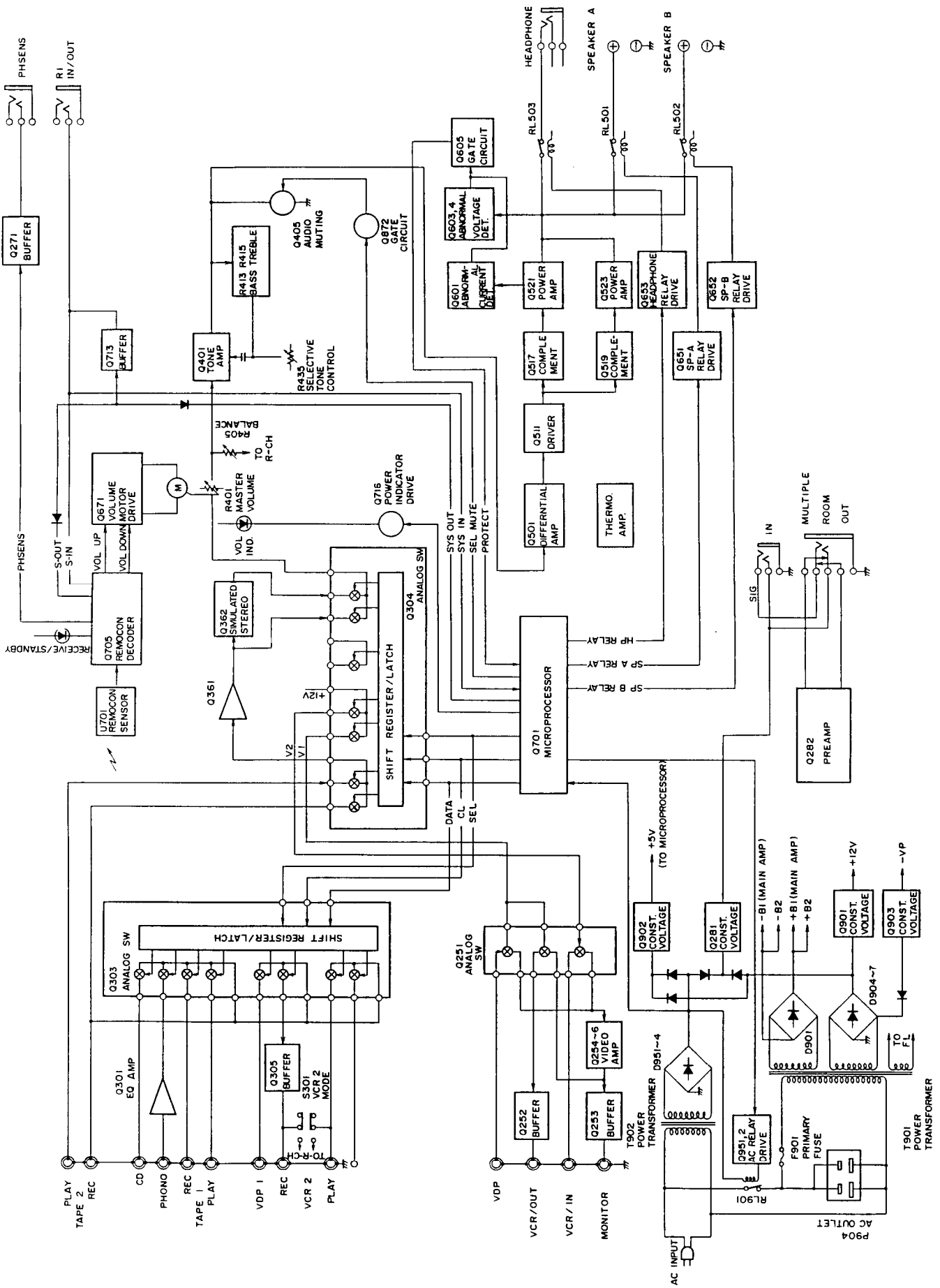
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
A1	27100163-2	Chassis	P902, P903	25050346	NSCT-2P173, AC outlet terminal <Q>	U6	1A217574-2	NADIS-3874-2, Display pc board ass'y <D>
A2	27121348A	Back panel <D>	Q521, Q522	2201703, 2201704, 2201706, 2202292 or 2202293	2SC3855-O, 2SC3855-Y, 2SC3855-P, 2SC3182N-R or 2SC3182N-O, Power amplifier transistors	U7	1A217575-2	NADIS-3874-2A, Display pc board ass'y <G/Q>
A3	27141391	Bracket LH	Q523, Q524	2201693, 2201694, 2201696, 2202282 or 2202283	2SA1492-O, 2SA1492-Y, 2SA1492-P, 2SA1265N-R or 2SA1265N-O, Power amplifier transistors	U8	1A217576-2	NADIS-3874-2B, Display pc board ass'y <W>
A4	27141392	Bracket RH	S902	25065287	NSS-22113P, Voltage selector switch <W>	U9	1A217577-2	NAAF-3875-2, Volume pc board ass'y <D>
A5	27160258	Radiator	T901	2300531	NPT-1068D, Power transformer	U10	1A217578-2	NAAF-3875-2A, Volume pc board ass'y <G/W/Q>
A7	27190644	Holder, dial plate	U1	1A217569-2	NAAR-3869-2, FM/AM tuner and selector circuit pc board ass'y <D>	U11	1A217579-2	NAAF-3876-2, Pre-amplifier pc board ass'y <D>
A11	28133244-1	Back plate	U2	1A217570-2	NAAF-3870-2, Power amplifier pc board ass'y <D/W>	U12	1A217580-2	NAETC-3880-2, AC outlet terminal pc board ass'y <G>
A12	28130260-1	Dial plate	U3	1A217571-2	NAETC-3871-2, Speaker terminal pc board ass'y <D>			
A13	27300750	Strainrelief	U4	1A217572-2	NAETC-3872-2, Headphone terminal pc board ass'y <D/W>			
A19	27190524	KGLS-14R, Holder	U5	1A217573-2	NAETC-3873-2, Video terminal pc board ass'y <D>			
A20	834430088	3TTS+8B(BC), Self-tapping screw		1A217573-2A	NAETC-3873-2A, Video terminal pc board ass'y <G/W/Q>			
A21	831130088	3TTW+8B, Self-tapping screw						
A22	830440089	4TTC+8C(BC), Self-tapping screw						
A23	834430108	3TTS+10B(BC), Self-tapping screw						
A25	82142004	2P+4F(BC), Pan head screw						
A26	833430080	3TTP+8P(BC), Self-tapping screw						
A27	801433	3SMS10WSW+14B, Sems tapping screw						
A30	27110564A	Front bracket ass'y						
A31	28184394	Top cover						
A32	834430088	3TTS+8B(BC), Self-tapping screw						
A33	28140024	0.5x10x390, Cushion						
A51	1A217121	Front panel ass'y						
A56	28191561A	Clear plate						
A61	27175153-1	Leg						
A62	834430088	3TTS+8B(BC), Self-tapping screw						
A81	28323365C	Knob VOLUME						
A82	28324034	Knob BALANCE						
A83	28322925	Knob SLIDE						
A91	870048	3 x 8 x10.8, Washer, nylon <G/W/Q>						
A92	27270212	Spacer <G/W/Q>						
F901	252050	5A(ST-6), Primary fuse <D/W>						
F902	252075	2.5A-SE-EAK, Primary fuse <G/W/Q>						
F903	252075	2.5A-SE-EAK, AC outlet fuse <G>						
P304	25060044	14x3mm, Terminal GROUND						
P901	253123, 253136, 253140 or 253146	AS-UC-6 #18, Power supply cord <D>						
	253149 or 253151	AS-CEE, Power supply cord <G/W>						
	253118	AS-SAA, Power supply cord <Q>						

NOTE: <D>: Only 120V model
<G>: Only 220V model
<W>: Only Worldwide model
<Q>: Only 240V model

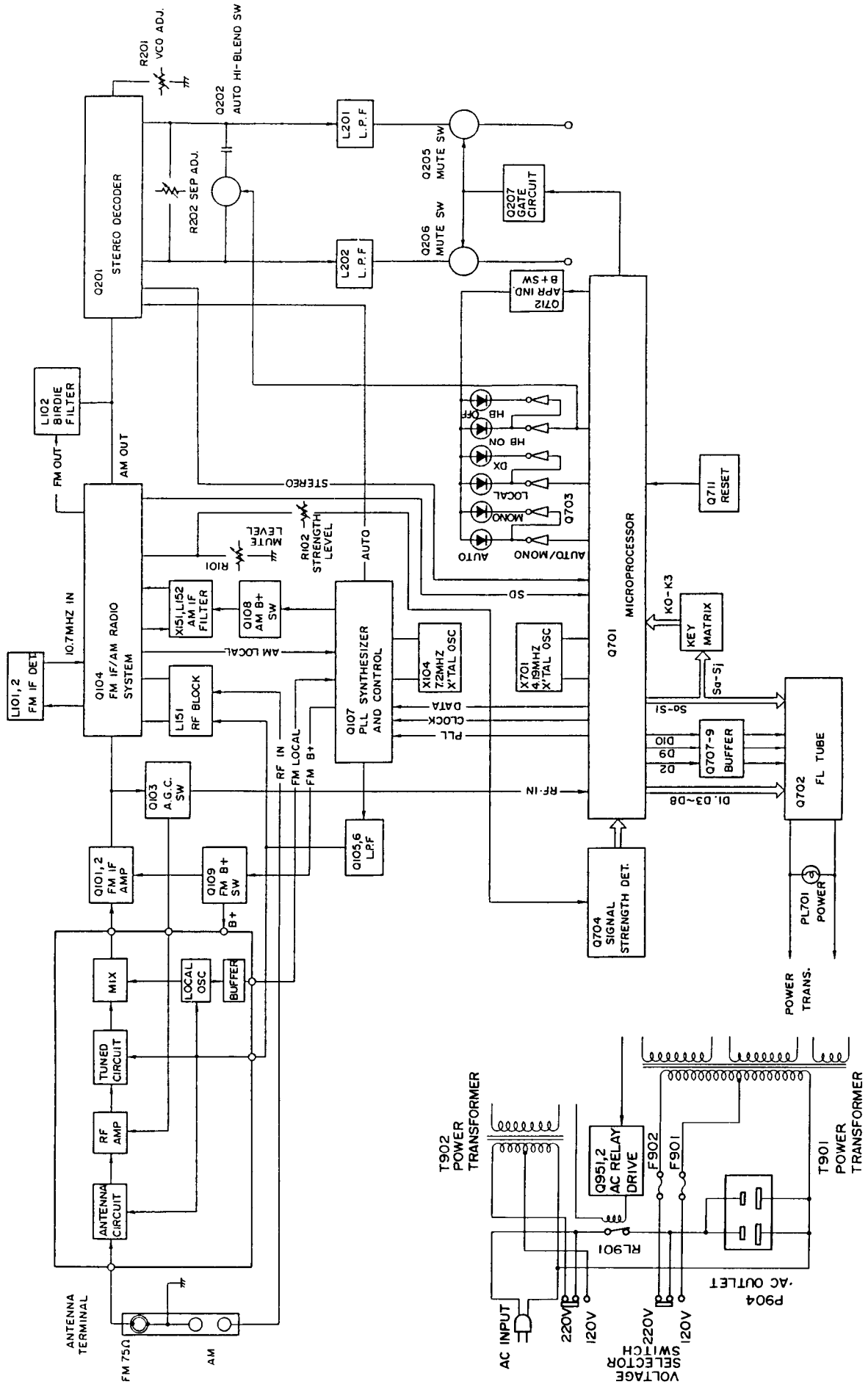
NOTE: THE COMPONENTS IDENTIFIED BY MARK Δ ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBERS SPECIFIED.

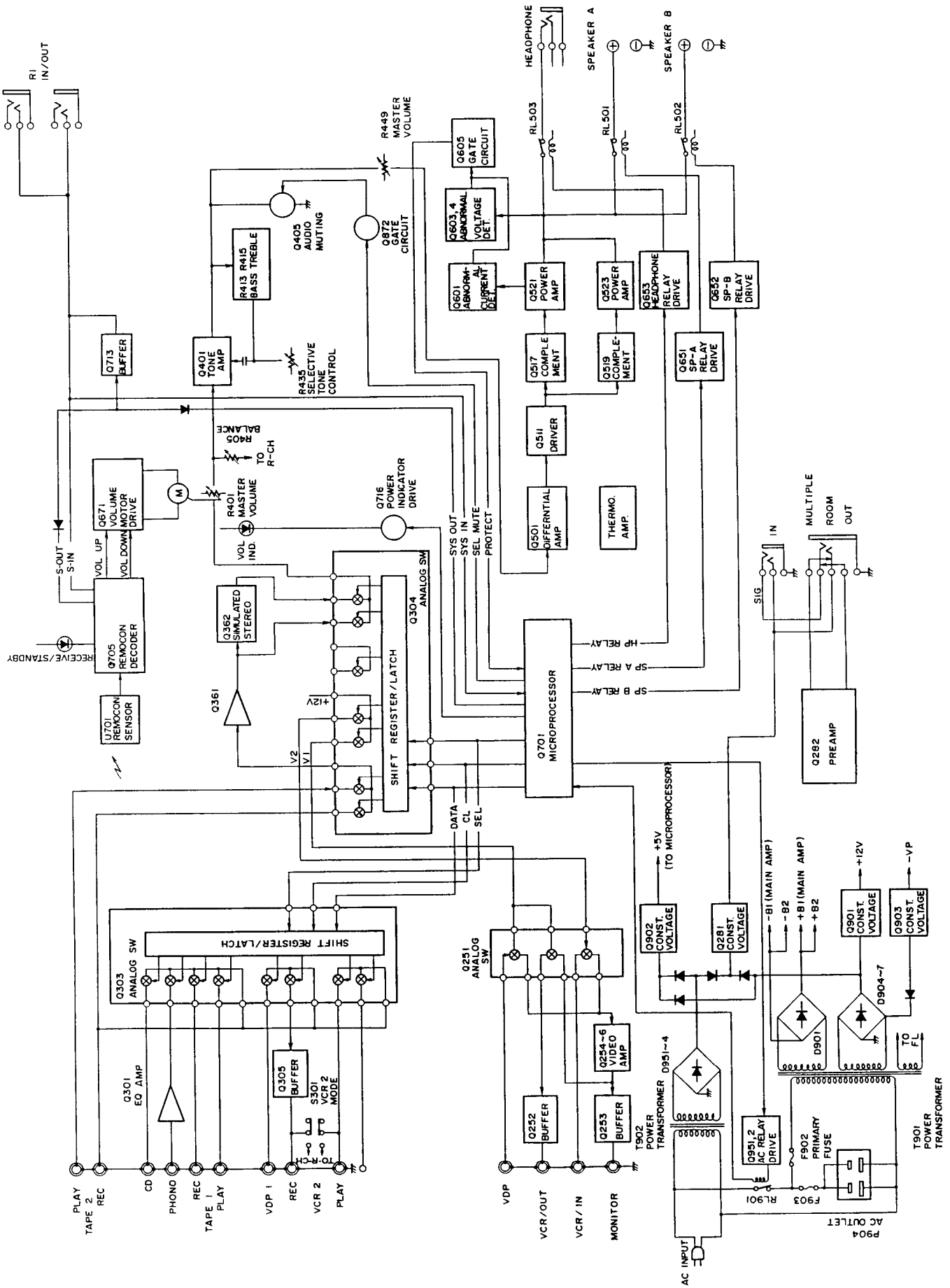
BLOCK DIAGRAM — 120V MODEL —



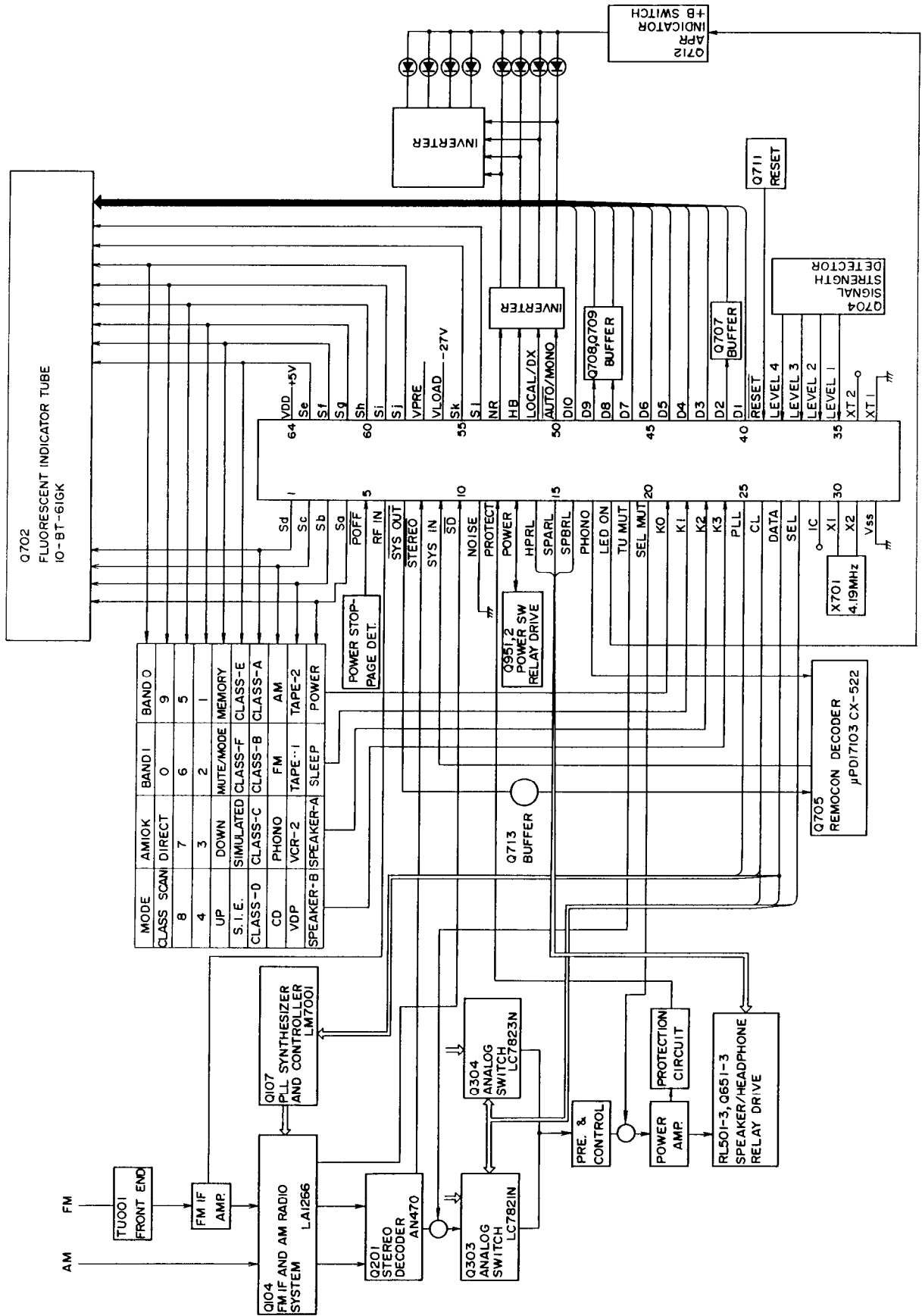


BLOCK DIAGRAM — OTHER MODELS —





CONNECTION DIAGRAM OF MICROPROCESSOR



Q701 μ PD75286CW-014 (MICROPROCESSOR)

Pin No.	Function	Description																																																						
1-4	Sd-Sa	Segment and key scan output terminals. "H" when active.																																																						
5	POFF	This is the input terminal for detection of the stoppage of electric current. "L" when the stoppage of electric current.																																																						
6	RF IN	RF mode input terminal Control the terminal LOCAL/DX as shown below. <table border="1" style="margin-left: 40px;"> <thead> <tr> <th>RF IN</th> <th>LOCAL/DX</th> </tr> </thead> <tbody> <tr> <td>L</td> <td>L</td> </tr> <tr> <td>H</td> <td>H</td> </tr> </tbody> </table>	RF IN	LOCAL/DX	L	L	H	H																																																
RF IN	LOCAL/DX																																																							
L	L																																																							
H	H																																																							
7	SYS OUT /SYS EN	System code output terminal. "L" when active. The initial setting input terminal when the power turns on.																																																						
8	STEREO	Stereo broadcast detection input terminal. "L" when stereo broadcast. Control of STEREO indicator.																																																						
9	SYS IN	System code input terminal. "H" when active.																																																						
10	SD	Broadcast detection input terminal. "L" when tuned. Control the stop of the auto tuning and the output TU MUT.																																																						
11	NOISE	Noise detection input terminal. "H" when active. Control the stop of the auto tuning.																																																						
12	PROTECT	Protect operation detection input terminal. "H" when active.																																																						
13	POWER	Relay control output terminal for power switch. "H" when the power turns on.																																																						
14	HPRL	Relay control output terminal for headphone. "H" when the relay turns on.																																																						
15	SPARL	Relay control output terminal for speaker A. "H" when the relay turns on.																																																						
16	SPBRL	Relay control output terminal for speaker B. "H" when the relay turns on.																																																						
17	PHONO	Phono control output terminal. "L" when the selector switch is PHONO.																																																						
18	LED ON	APR indicator control output terminal. "L" when indicators light on.																																																						
19	TU MUT	Muting output terminal of tuner section. "H" when active.																																																						
20	SEL MUT	Muting output terminal when the selector switch operates. "H" when active.																																																						
21-24	K0-K3	Key scan input terminals. "H" when active.																																																						
25	PLL	Output terminal to connect to the terminal CE of PLL IC(LM7001).																																																						
26	CL	Output terminal to connect to the terminal CL of function switches(LC7821N, LC7823N) and the terminal CL of PLL IC.																																																						
27	DATA	Output terminal to connect to the terminal DI of function switches(LC7821N, LC7823N) and the terminal DATA of PLL IC.																																																						
28	SEL	Output terminal to connect to the terminal CE of function switches.																																																						
29	IC	Internal connected																																																						
30	X1	Ceramic oscillator connection terminals for main system clock.																																																						
31	X2	Connect to the 4.19MHz ceramic oscillator.																																																						
32	GND	Ground terminal.																																																						
33	XT1	Crystal oscillator connection terminal for sub-system.																																																						
34	XT2	Not used.																																																						
35-38	LEVEL1- LEVEL4	Signal strength level input terminal. <table border="1" style="margin-left: 40px;"> <thead> <tr> <th rowspan="2"></th> <th rowspan="2">Input</th> <th colspan="4">Signal indicator</th> <th colspan="2">Output</th> </tr> <tr> <th>1th</th> <th>2nd</th> <th>3th</th> <th>4th</th> <th>NR</th> <th>HB</th> </tr> </thead> <tbody> <tr> <td>LEVEL 1</td> <td>H</td> <td>off</td> <td>off</td> <td>off</td> <td>off</td> <td>H</td> <td>H</td> </tr> <tr> <td>LEVEL 1</td> <td>L</td> <td>on</td> <td>off</td> <td>off</td> <td>off</td> <td>H</td> <td>H</td> </tr> <tr> <td>LEVEL 1/2</td> <td>L</td> <td>on</td> <td>on</td> <td>off</td> <td>off</td> <td>L</td> <td>H</td> </tr> <tr> <td>LEVEL 1-3</td> <td>L</td> <td>on</td> <td>on</td> <td>on</td> <td>off</td> <td>L</td> <td>H</td> </tr> <tr> <td>LEVEL 1-4</td> <td>L</td> <td>on</td> <td>on</td> <td>on</td> <td>on</td> <td>L</td> <td>L</td> </tr> </tbody> </table>		Input	Signal indicator				Output		1th	2nd	3th	4th	NR	HB	LEVEL 1	H	off	off	off	off	H	H	LEVEL 1	L	on	off	off	off	H	H	LEVEL 1/2	L	on	on	off	off	L	H	LEVEL 1-3	L	on	on	on	off	L	H	LEVEL 1-4	L	on	on	on	on	L	L
	Input	Signal indicator				Output																																																		
		1th	2nd	3th	4th	NR	HB																																																	
LEVEL 1	H	off	off	off	off	H	H																																																	
LEVEL 1	L	on	off	off	off	H	H																																																	
LEVEL 1/2	L	on	on	off	off	L	H																																																	
LEVEL 1-3	L	on	on	on	off	L	H																																																	
LEVEL 1-4	L	on	on	on	on	L	L																																																	
39	RESET	Reset input terminal. "L" when active.																																																						
40-49	D1-D10	Digit output terminals. "H" when active.																																																						

50	AUTO/MONC	AUTO/MONO indicator output terminal. "L" when FM mode is AUTO and "H" when FM mode is MONO.
51	LOCAL/DX	LOCAL/DX indicator output terminal. Control according input RF IN when FM.
52	HB	Hi-blend control and indicator output terminal. "H" when LEVEL4 is high and "L" when LEVEL4 is low.
53	NR	Noise reduction control and indicator output terminal. "H" when LEVEL2 is high and "L" when LEVEL2 is low.
54,55	St,Sk	Segment output terminal. "H" when active.
56	VLOAD	Pull down resistor connection terminal of FIP controller/driver.
57	VPRE	Power supply terminal for output buffer of FIP controller/driver.
58-63	Sj-Se	Segment and key scan signal output terminals. "H" when active.
64	VDD	Power supply terminal. (+5V)

BAND1, BAND0 (FM band setting)

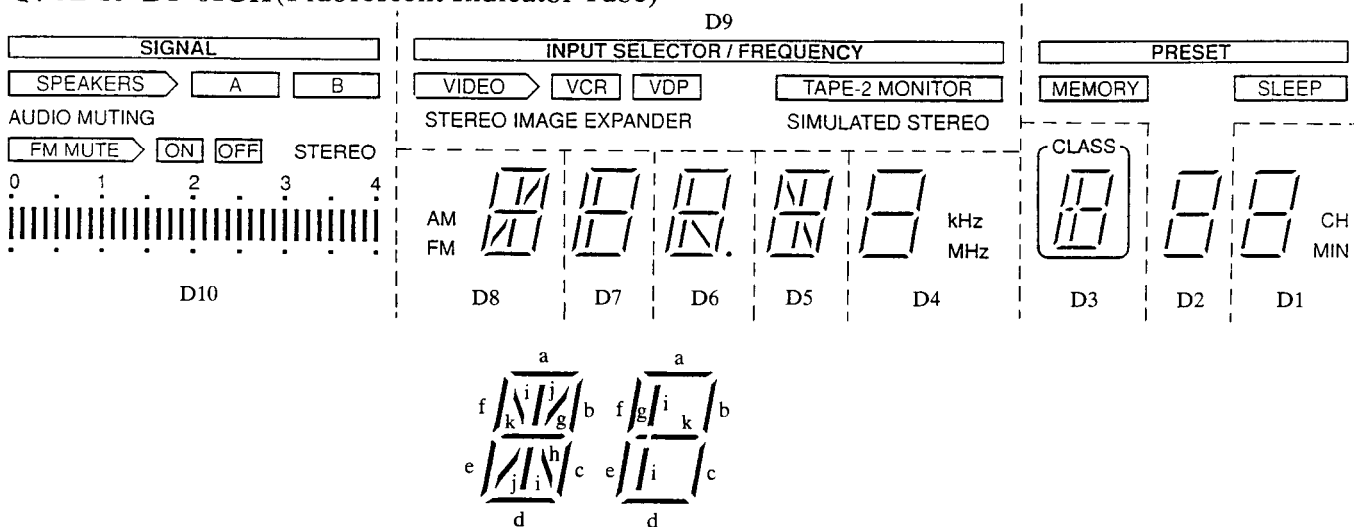
BAND1	BAND0	Region	Frequency range	Channel space	Reference frequency	IF frequency
0	1	Europe	87.50~108.00MHz	50kHz	25kHz	10.7MHz
0	0	U.S.A.	87.9 ~107.9 MHz	200kHz	25kHz	10.7MHz
1	X	Saudi Arabia	87.50~108.00MHz	50kHz	25kHz	10.7MHz

X: Don't care

AM10K

AM10K	Region	Frequency range	Channel space	Reference frequency	IF frequency
0	Europe	522~1611kHz	9kHz	9kHz	450kHz
1	U.S.A.	530~1710kHz	10kHz	10kHz	450kHz
0	Saudi Arabia	531~1602kHz	9kHz	9kHz	450kHz

Q702 10-BT-61GK (Fluorescent Indicator Tube)



	D10	D9	D8	D7	D6	D5	D4	D3	D2	D1
Sa	A	VIDEO	a	a	a	a	a	a	a	a
Sb	B	VCR	b	b	b	b	b	b	b	b
Sc	AUDIO MUT	VDP	c	c	c	c	c	c	c	c
Sd	STEREO	TAPE-2MONI	d	d	d	d	d	d	d	d
Se	II(LEVEL1)	SIMULATED	e	e	e	e	e	e	e	e
Sf	II(LEVEL2)	STEREO IM.	f	f	f	f	f	f	f	f
Sg	II(LEVEL3)		g	g	g	g	g	g	g	g
Sh	II(LEVEL4)			h	h					
Si	FM MUTE		i	i	i	i		i		
Sj	ON		j						MEMORY	
Sk	OFF		AM				kHz	k	SLEEP	CH
Sl	SIGNAL	INPUT SEL.	FM				MHz	CLASS	PRESET	MIN

ADJUSTMENT PROCEDURES

Preparation

• Input

FM mono: 1kHz, 75kHz devi., 60dB/ μ V

FM stereo: 1kHz, L+R 67.5kHz devi.: Pilot signal 19kHz
7.5kHz devi.

AM: 400Hz, 30% mod.,

• Output

Connect the non-inductive type resistor of 8 ohms to the speaker terminal A of left and right channels unless otherwise noted.

• Standard knob position

TAPE MONITOR	SOURCE
VOLUME	Maximum
BASS/TREBLE/BALANCE	Center
VCR 2 MODE	STEREO
SPEAKER	A
SIMULATED STEREO	OFF
SELECTIVE TONE CONTROL	OFF

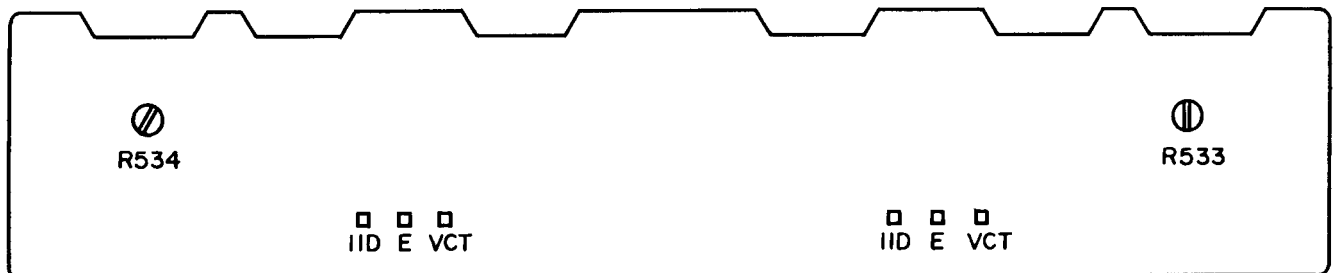
Amplifier section

1. Idling current adjustment

Connect the DC voltmeter to the terminals IID and VCT on the power amplifier pc board.

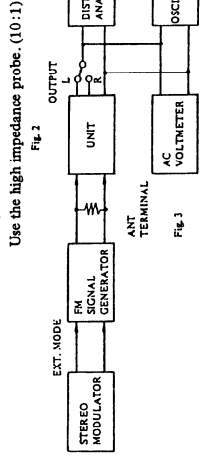
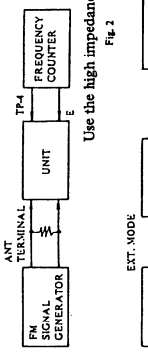
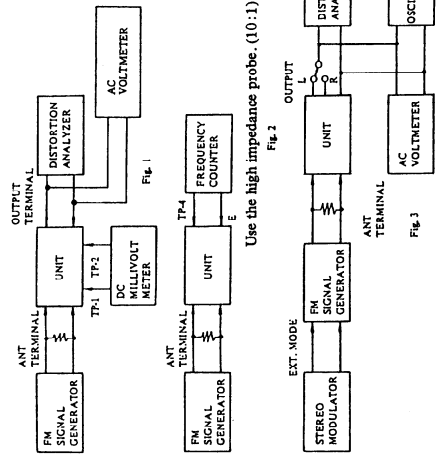
Adjust the semi-fixed resistors R533 and R534 so that the indication of voltmeter is 7.5 ± 1.5 mV.

Notes: VOLUME Maximum, Open load, No input
Adjust after switching on for 5 minutes.



FM section

Item	Step	Connection of instrument	FM SG output	Stereo modulator output	Turning dial setting	Output indicator	Adjustment	Adjust for	Remarks
FM IF	1	Fig. 1	99.1MHz 1kHz, 75kHz devi. 65dB (60dB)	-	99.1MHz	DC voltmeter	L101	0V ± 20mV	Mode switch: MONO Repeat the steps 1 and 2 until no further adjustment is necessary
	Distortion analyzer					L102	Minimum		
VCO		Fig. 2	99.1MHz 1kHz, 75kHz devi. 65dB (60dB)	-	99.1MHz	Frequency counter	R201	19kHz ± 10Hz	
Stereo Distortion		Fig. 3	99.1MHz 65dB (60dB) Ext. modulation	L or Rch. 1kHz	99.1MHz	Distortion analyzer	IF on the front end	Minimum	Mode switch: STEREO Don't turn more than ±180°
		Fig. 3	99.1MHz 65dB (60dB) Ext. modulation	Lch. 1kHz Rch. 1kHz	99.1MHz	Rch. AC voltmeter Lch. AC voltmeter	R202	Minimum Minimum	
Mixing level		Fig. 3	99.1MHz 17.2dB (12dB) 1kHz, 75kHz devi.	-	99.1MHz	AUTO indicator	R101	Light on	
Signal level		Fig. 3	99.1MHz 35.2dB (30dB) 1kHz, 75kHz devi.	-	99.1MHz	4th indicator of signal strength	R102	Light on	



Use the high impedance probe. (10:1)

Reference specifications
FM Tuned voltage

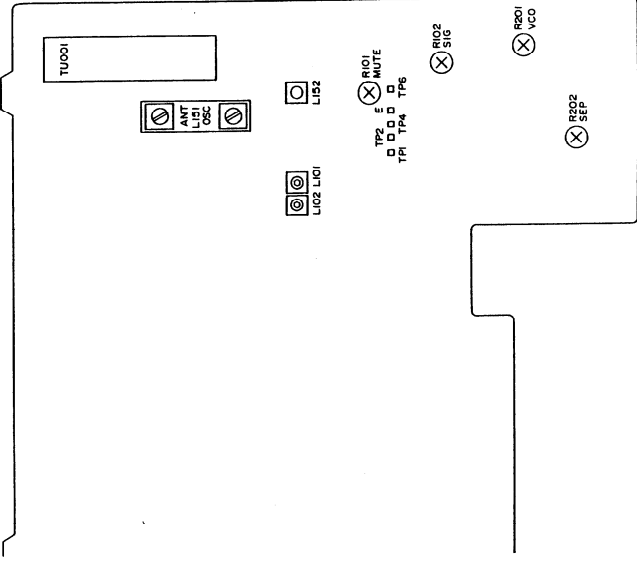
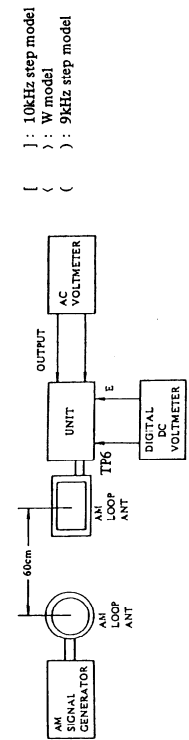
- 87.9MHz 1.6 ± 0.5V
- 107.9MHz 7.9 ± 0.5V (120V model)
- 87.5MHz 1.6 ± 0.5V
- 108.0MHz 7.9 ± 0.5V (Other model)

Auto stop level AM: Less than 66dB/m
FM: Less than 19dBμ

- AM Tuned voltage
- 530kHz 1.3 ± 0.5V
 - 1710kHz 7.2 ± 0.5V (120V model)
 - 522kHz 1.2 ± 0.5V
 - 1611kHz 7.0 ± 0.5V
 - (220V/240V models)
 - 531kHz 1.2 ± 0.5V
 - 1602kHz 7.0 ± 0.5V (Worldwide model)

AM section

Step	AM SG output	Tuned frequency	Output indicator	Adjustment point	Adjust for
1		530kHz [522kHz] 631kHz?	Digital DC voltmeter	OSC on RF block L151	1.3V ± 0.1V
2	600kHz(603kHz) 400Hz 30% mod. 60dB/m	600kHz (603kHz)	AC voltmeter	RF on RF block L151	Maximum
3	990kHz 400Hz 30% mod. 60dB/m	990kHz	AC voltmeter	L152	Maximum



PRINTED CIRCUIT BOARD VIEW FROM BOTTOM SIDE

PRINTED CIRCUIT BOARD PARTS LIST

DISPLAY PC BOARD(NADIS-3874-2/2A/2B)

CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION
	Remocon sensor				
U701	24130003	GP1U50XS	D731-D733	223163	1SS133
	ICs		D737-D739	223163	1SS133
Q701	22240337	μ PD75286CW-014	D740	224450562	MTZ5.6B
Q703	222807	μ PA81C	D741, D742	223163	1SS133
Q704	22240341	BA6125	D746-D749	223163	1SS133
Q705	22240338	μ PD17103CX-522	D759, D760	223163	1SS133
	FL tube		D761	223163	1SS133 <G>
Q702	212083	10-BT-61GK		L.E.Ds	
	Transistors		D724-D726	225142	SEL2913K
Q707-Q709	2213284	2SC1740S-R	D728-D730	225137CG,	SEL2413E-CG
Q711	221282	DTC144ES		225137DG or	SEL2413E-DG or
Q712	2213710	DTA123JS	D752	225137DY	SEL2413E-DY
Q713	2213510	DTA114ES		225141	SEL2213C
Q716	221282	DTC144ES		Coil	
	Lamp		L701	233409K220	NCH-1284
PL701	210064B	250mA, 6.3V		Ceraic oscillators	
	Diodes		X701	3010163	CST4.19MGW
D701-D713	223163	1SS133	X702	3010154	CST8.00MT
D715, D716	223163	1SS133 <W>		Capacitors	
D717	223163	1SS133 <D>	C701	3000057	0.1F, 5.5V, Super
D718	223163	1SS133	C702, C705	375524744	0.47 μ F \pm 5%, 50V, MMT
D719	224450623	MTZ6.2C	C706	353780109	1 μ F, 50V, Elect.
D721	223163	1SS133	C707	353781009	10 μ F, 50V, Elect.
D722	224450623	MTZ6.2C	C708, C709	353741009	10 μ F, 16V, Elect.
			C712	353721019	100 μ F, 6.3V, Elect.
			C714	353780109	1 μ F, 50V, Elect.

CIRCUIT NO.	PART NO.	DESCRIPTION
		Resistor
R740	49163103404	10k × 4, 1/10W, Network
		Switches
S701	25035548	NPS-111-S510, Push
S703-S719	25035548	NPS-111-S510, Push
S721-S736	25035548	NPS-111-S510, Push
S737	25065286	NSS-22112, Slide, Band step <W>
		Holder
	27190768	L.E.D

VOLUME PC BOARD(NAAF-3875-2/2A)

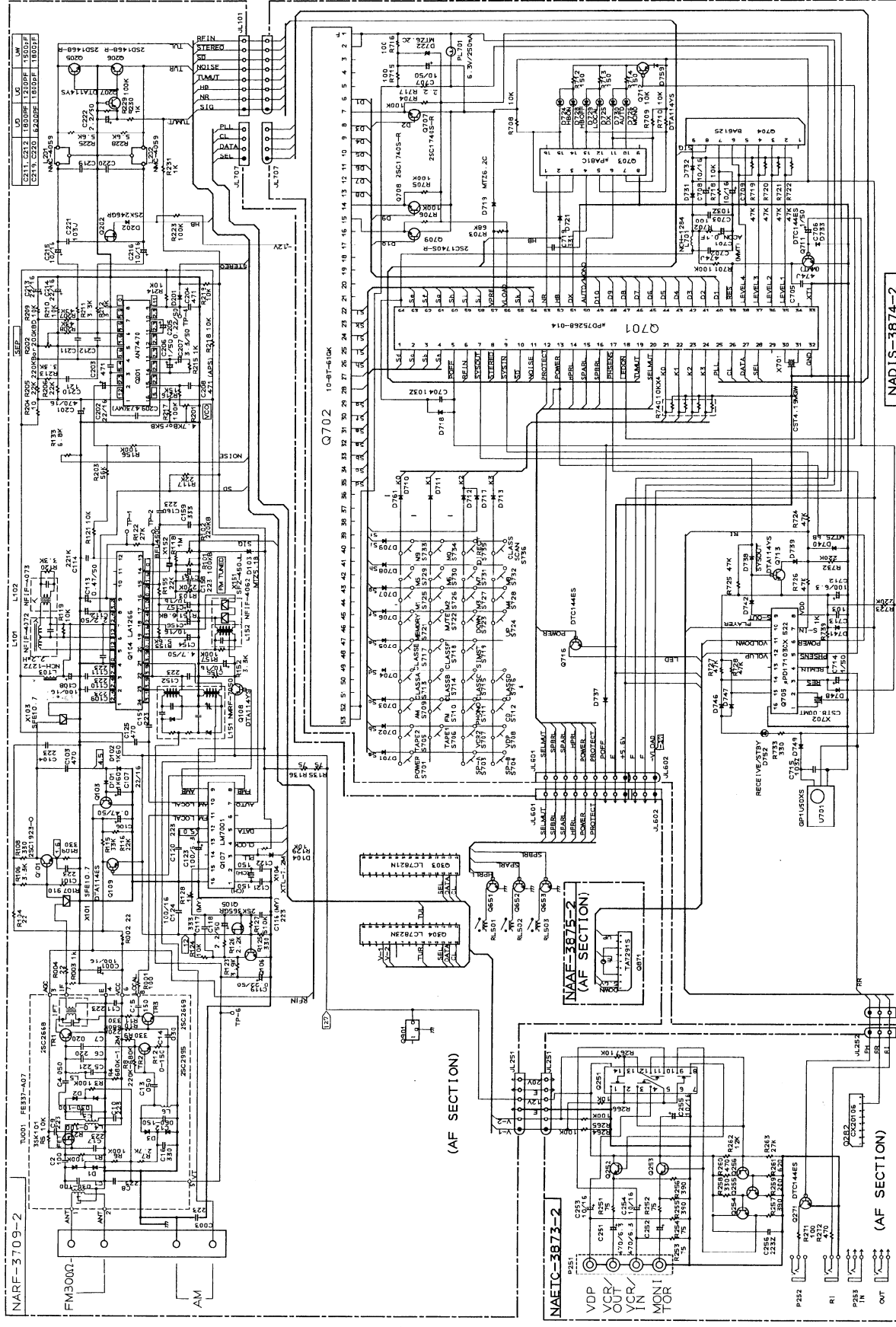
CIRCUIT NO.	PART NO.	DESCRIPTION
Q871	22240239	TA7291S, IC
C871	354721019	100 μF, 6.3V, Elect. capacitor
R401, R402	5142004	N16RGM50KA30F, Variable resistor <D>
R401, R402	5144009C	N16RGM50KA50KB30F, Variable resistor <G/W>
R449, R450		
P401	2000809	NSAS-6P765, Socket
P403	2000624	NSAS-6P580, Socket <G/W>
P871	2000635A	NSAS-4P591, Socket
	27141059	Bracket, ground

NOTE: <D>: Only 120V model
<G>: Only 220V/240V models
<W>: Only Worldwide model

SCHEMATIC DIAGRAM

A B C D E F G

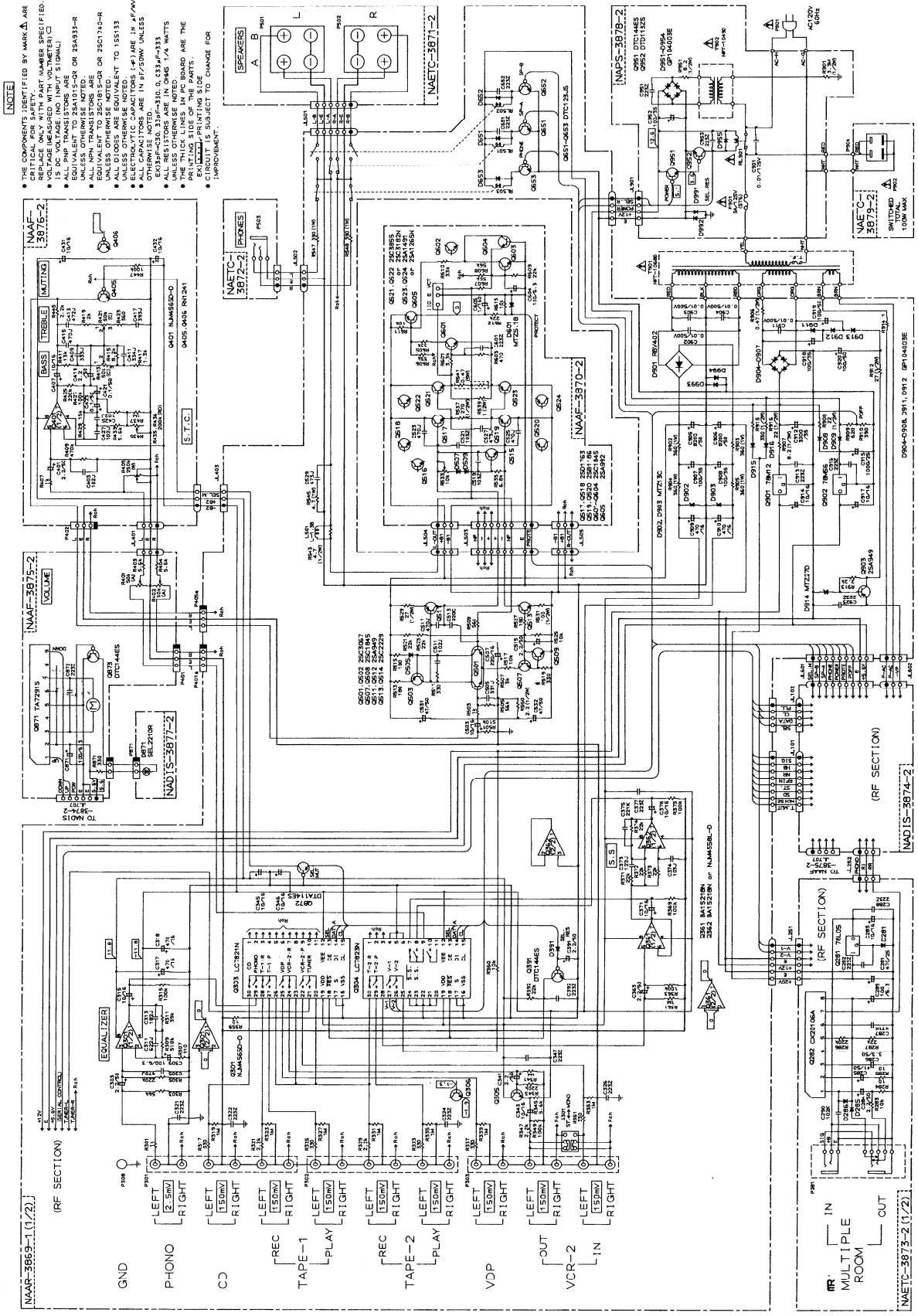
- TUNER SECTION -
120V MODEL



SCHEMATIC DIAGRAM

- AMPLIFIER SECTION - 120V MODEL

A B C D E F G



NOTE:

- THE COMPONENTS IDENTIFIED BY MARK Δ ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
- ALL PNP TRANSISTORS ARE IN COMMON EMITTER CONFIGURATION UNLESS OTHERWISE NOTED.
- ALL DC VOLTAGE (NO INPUT SIGNAL) IS INDICATED BY A CIRCLE.
- ALL PNP TRANSISTORS ARE IN COMMON EMITTER CONFIGURATION UNLESS OTHERWISE NOTED.
- ALL NPN TRANSISTORS ARE IN COMMON EMITTER CONFIGURATION UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1S5133 UNLESS OTHERWISE NOTED.
- ALL CAPACITORS ARE IN PFD/50W UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS L-1 ARE IN μF/WV.
- ELECTROLYTIC CAPACITORS L-2 ARE IN μF/WV.
- ALL RESISTORS ARE IN OHMS 1/4 WATTS UNLESS OTHERWISE NOTED.
- THE TUBE SOCKETS ON PCB BOARD ARE THE PRINTING SIDE OF THE PARTS.
- THE TUBE SOCKETS ON PCB BOARD ARE THE PRINTING SIDE OF THE PARTS.
- IMPROVEMENT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

PRINTED CIRCUIT BOARD PARTS LIST

FM/AM TUNER AND SELECTOR CIRCUIT PC BOARD (NAAR-3869-2/2A/2B)

CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION
	Front end			Coils	
TU001	240088	FE337-A07 <D>	L103	233409M022	NCH-1272
	240089	FE415-G11 <G/W>	L201, L202	233355A	NMC-4059
			L501, L502	231176	S-1.3C
	ICs			RF block	
Q104	22240039	LA1266	L151	232148	NMRF-7050
Q107	22240090	LM7001			
Q201	22240242	AN7470			
Q301	22240191	NJM4565D-D	X101, X103	3010071	SFE10.7MA5 <D>
Q303	22240280	LC7821N	X101-X103	3010137	SFE10.7MMK <G/W>
Q304	22240339	LC7823N	X151	3010123	SFZ-450JL
Q361	22240247	BA15218N	X152	3010076	BFU-450C
Q362	22240247 or 22240293	BA15218N or NJM4558L-D			
Q901	222780122NEC	78M12	X104	3010141	XTL-7.2M
Q902	222780565JRC	78M56			
	Transistors			Capacitors	
Q101	2211723	2SC1923-O	C001, C108	354741019	100 μ F, 16V, Elect.
Q102	2210746	2SC945A-P <G/W>	C106	354784799	0.47 μ F, 50V, Elect.
Q103, Q106	2211183 or 2211255	2SC1740-R or 2SC1815-GR	C107	354742209	22 μ F, 16V, Elect.
Q105	2212445	2SK365-GR	C112	391980227	2.2 μ F, 50V, Elect.(RA2)
Q108, Q109	2213510	DTA114ES	C113	354784799	0.47 μ F, 50V, Elect.
Q202	2211945	2SK246-GR	C116	371122234	0.022 μ F \pm 5%, 50V, Mylar
Q205, Q206	2212794	2SD1468-R	C117	371123334	0.033 μ F \pm 5%, 50V, Mylar
Q207	2213510	DTA114ES	C118	391980227	2.2 μ F, 50V, Elect.(RA2)
Q305, Q306	2211183 or 2211255	2SC1740-R or 2SC1815-GR	C119	354782299	0.22 μ F, 50V, Elect.
Q391	221282	DTC144ES	C123	391921017	100 μ F, 6.3V, Elect.(RA2)
Q501, Q502	2213676 or 2213677	2SC3067-F or 2SC3067-G	C124	354741019	100 μ F, 16V, Elect.
Q503, Q504	2213074 or 2211455	2SA933-R or 2SA1015-GR	C154	354780479	4.7 μ F, 50V, Elect.
Q507, Q508	2211732 or 2211733	2SC1845-F or 2SC1845-E	C155-C157	391941007	10 μ F, 16V, Elect.(RA2)
Q509, Q510	2211183 or 2211255	2SC1740-R or 2SC1815-GR	C159	371123334	0.033 μ F \pm 5%, 50V, Mylar
Q511, Q512	2211353 or 2211354	2SA949-O or 2SA949-Y	C160	371122234	0.022 μ F \pm 5%, 50V, Mylar
Q513, Q514	2211633 or 2211634	2SC2229-O or 2SC2229-Y	C201	354744719	470 μ F, 16V, Elect.
Q651-Q653	2213640	DTC123JS	C202	354742209	22 μ F, 16V, Elect.
Q872	2213510	DTA114ES	C205	354782299	0.22 μ F, 50V, Elect.
Q903	2211353 or 2211354	2SA949-O or 2SA949-Y	C206	354780109	1 μ F, 50V, Elect.
	Diodes		C207	354780339	3.3 μ F, 50V, Elect.
D101, D102	223132	1K60	C208	370134714	470pF \pm 5%, 100V, APS
D103	224450512	MTZ5.1B	C209	374724734	0.047 μ F \pm 5%, 50V, Plastic(TF)
D104	223163	1SS133	C211, C212	374721824	1800pF \pm 5%, 50V, Plastic(TF)
D201, D202	223163	1SS133			<D>
D391	223163	1SS133			1200pF \pm 5%, 50V, Plastic(TF)
D505, D506	223163	1SS133			<G>
D651-D653	223163	1SS133			<W>
D901	22380022	RBV402	C213, C214	354742209	22 μ F, 16V, Elect.
D902, D903	224451303	MTZ13C	C215, C216	391941007	10 μ F, 16V, Elect.(RA2)
D904-D908	22380035	GP104003E	C219, C220	374726224	6200pF \pm 5%, 50V, Plastic(TF)
D909, D913	223163	1SS133			<D>
D911, D912	22380035	GP104003E			1800pF \pm 5%, 50V, Plastic(TF)
D914	224452704	MTZ27D	C221	374721034	0.01 μ F \pm 5%, 50V, Plastic(TF)
D915, D916	223163	1SS133	C222	391980227	2.2 μ F, 50V, Elect.(RA2)
D993, D994	223163	1SS133	C303, C304	391980227	2.2 μ F, 50V, Elect.(RA2)
	Transformers		C305, C306	373302214	220pF \pm 5%, 125V, PP <G/W>
L101	233401	NFIF-4072	C307, C308	373301024	1000pF \pm 5%, 125V, PP <G/W>
L102	233402	NFIF-4073	C309, C310	391921017	100 μ F, 6.3V, Elect.(RA2)
L104	233383	NMC-6070 <G/W>	C311, C312	374726224	6200pF \pm 5%, 50V, Plastic(TF)
L152	232139	NMIF-4062	C313, C314	374721824	1800pF \pm 5%, 50V, Plastic(TF)
			C315, C316	391941007	10 μ F, 16V, Elect.(RA2)
			C317, C318	354744719	470 μ F, 16V, Elect.
			C331, C332	373301014	100pF \pm 5%, 125V, PP <G/W>
			C341, C342	391980227	2.2 μ F, 50V, Elect.(RA2)
			C343-C346	391941007	10 μ F, 16V, Elect.(RA2)
			C363, C364	391980227	2.2 μ F, 50V, Elect.(RA2)
			C371, C372	391941007	10 μ F, 16V, Elect.(RA2)
			C373	374721224	1200pF \pm 5%, 50V, Plastic(TF)
			C374	374721034	0.01 μ F \pm 5%, 50V, Plastic(TF)

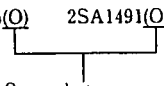
CIRCUIT NO.	PART NO.	DESCRIPTION
C376	391941007	10 μ F, 16V, Elect.(RA2)
C377	374724734	0.047 μ F \pm 5%, 50V, Plastic(TF) <G>
C391	391980227	2.2 μ F, 50V, Elect.(RA2)
C503, C504	391941007	10 μ F, 16V, Elect.(RA2)
C505, C506	373303314	330pF \pm 5%, 125V, PP
C507, C508	354742219	220 μ F, 16V, Elect.
C515, C516	391980227	2.2 μ F, 50V, Elect.(RA2)
C529, C530	374724734	0.047 μ F \pm 5%, 50V, Plastic(TF)
C531, C532	354784709	47 μ F, 50V, Elect.
C533, C534	373301014	100pF \pm 5%, 125V, PP <G/W>
C651, C652	374724734	0.047 μ F \pm 5%, 50V, Plastic(TF)
C905, C906	3504225 3504239	8200 μ F, 50V, Elect. <D> 8200 μ F, 50V, Elect. <G/W>
C907, C908	354761019	100 μ F, 35V, Elect.
C909, C910	354744719	470 μ F, 16V, Elect.
C912	354763329	3300 μ F, 35V, Elect.
C914	391941007 354744719	10 μ F, 16V, Elect.(RA2) <D/W> 470 μ F, 16V, Elect. <G>
C915	354751029	1000 μ F, 25V, Elect.
C917	391941007 354724719	10 μ F, 16V, Elect.(RA2) <D/W> 470 μ F, 6.3V, Elect. <G>
C918	354761019	100 μ F, 35V, Elect.
C919, C920	354781019	100 μ F, 50V, Elect.
C922	354780339	3.3 μ F, 50V, Elect. <G>
C924	354754719	470 μ F, 25V, Elect.
Resistors		
R101	5210221 or 5210070	N06HR100KBD Semi-fixed
R102, R202	5210072 or 5210222	N06HR220KBD or N06HR200KBD, Semi-fixed
R201	5210216 or 5210062	N06HR5KBD or N06HR4.7KBD, Semi-fixed
R529, R530	442522704	27ohm, 1/2W, Metal oxide film
R531, R532	442521014	100ohm, 1/2W, Metal oxide film
R543, R544	442520474	4.7ohm, 1/2W, Metal oxide film
R545, R546	441620474	4.7ohm, 1W, Metal oxide film
R547, R548	441623914	390ohm, 1W, Metal oxide film
R550	442520224	2.2ohm, 1/2W, Metal oxide film
R902-R905	441623614	360ohm, 1W, Metal oxide film
R906	442524794	0.47ohm, 1/2W, Metal oxide film
R907	442520824	8.2ohm, 1/2W, Metal oxide film
R908	442522204	22ohm, 1/2W, Metal oxide film
R912	442522704	27ohm, 1/2W, Metal oxide film
R915	442523314	330ohm, 1/2W, Metal oxide film
R916	442522204	22ohm, 1/2W, Metal oxide film
Switch		
S301	25065286	NSS-22112, Slide, VCR-2
Relaies		
RL501, RL502	25065339	NRL-2P5A-DC24-046, Speaker
RL503	25065342	NRL-2P1.25A-DC24-048, Headphone
Terminals		
P101	25060085 25060087	NTM-4PDMN29, Antenna <D> NTM-2PDMN31, Antenna <G/W>
P301	25045252	NPJ-6PDBL124
P302, P303	25045213	NPJ-6PDBL92
Plugs		
P401a, P405a	25055133	NPLG-3P117
Sockets		
JL101	25050272	NSCT-8P100
JL102	25050268	NSCT-4P96
JL403, JL602	25050267	NSCT-3P95
JL601	25050273	NSCT-9P101

CIRCUIT NO.	PART NO.	DESCRIPTION
Radiators		
Q901a	27160209	For Q901 and Q902
D901a	27160166	For D901
Screws		
	82143006	3P+6FN(BC), For Q901a
	82143010	3P+10FN(BC), For D901a
Bracket		
	27141059	Ground

POWER AMPLIFIER PC BOARD(NAAF-3870-2/2A)

CIRCUIT NO.	PART NO.	DESCRIPTION
Transistors		
Q515, Q516	2211183 or 2211255	2SC1740-R or 2SC1815-GR
Q517, Q518	2201944 or 2201945	2SD1763-D or 2SD1763-E
Q519, Q520	2201934 or 2201935	2SB1186-D or 2SB1186-E
Q521, Q522	☆ 2201703, ☆ 2201704, ☆ 2201706, ☆ 2202292 or ☆ 2202293	2SC3855-O, 2SC3855-Y, 2SC3855-P, 2SC3182N-R or 2SC3182N-O
Q523, Q524	☆ 2201693, ☆ 2201694, ☆ 2201696, ☆ 2202282 or ☆ 2202283	2SA1491-O, 2SA1491-Y, 2SA1491-P, 2SA1265N-R or 2SA1265N-O
Q601-Q604	2211732 or 2211733	2SC1845-F or 2SC1845-E
Q605	2211792 or 2211793	2SA992-F or 2SA992-E
Diodes		
D507-D510	223163	1SS133
D601	224450512	MTZ5.1B
Capacitors		
C519-C522	374721034	0.01 μ F \pm 5%, 50V, Plastic(TF) <G/W>
C527, C528	373734734	0.047 μ F \pm 5%, 100V, MKT
C604	354721019	100 μ F, 6.3V, Elect.
C605	354780109	1 μ F, 50V, Elect.
Resistors		
R533, R534	5215045	N08HR10KBC, Semi-fixed
R537, R538	442522714	270ohm, 1/2W, Metal oxide film
R539, R540	441720104	1ohm, 2W, Metal oxide film
R541, R542	4500033	0.47ohm, 5W, Metal plate

CAUTION: Replacement for transistor of mark ☆, if necessary, must be made from the same beta group (H_{FE}) as the original type.

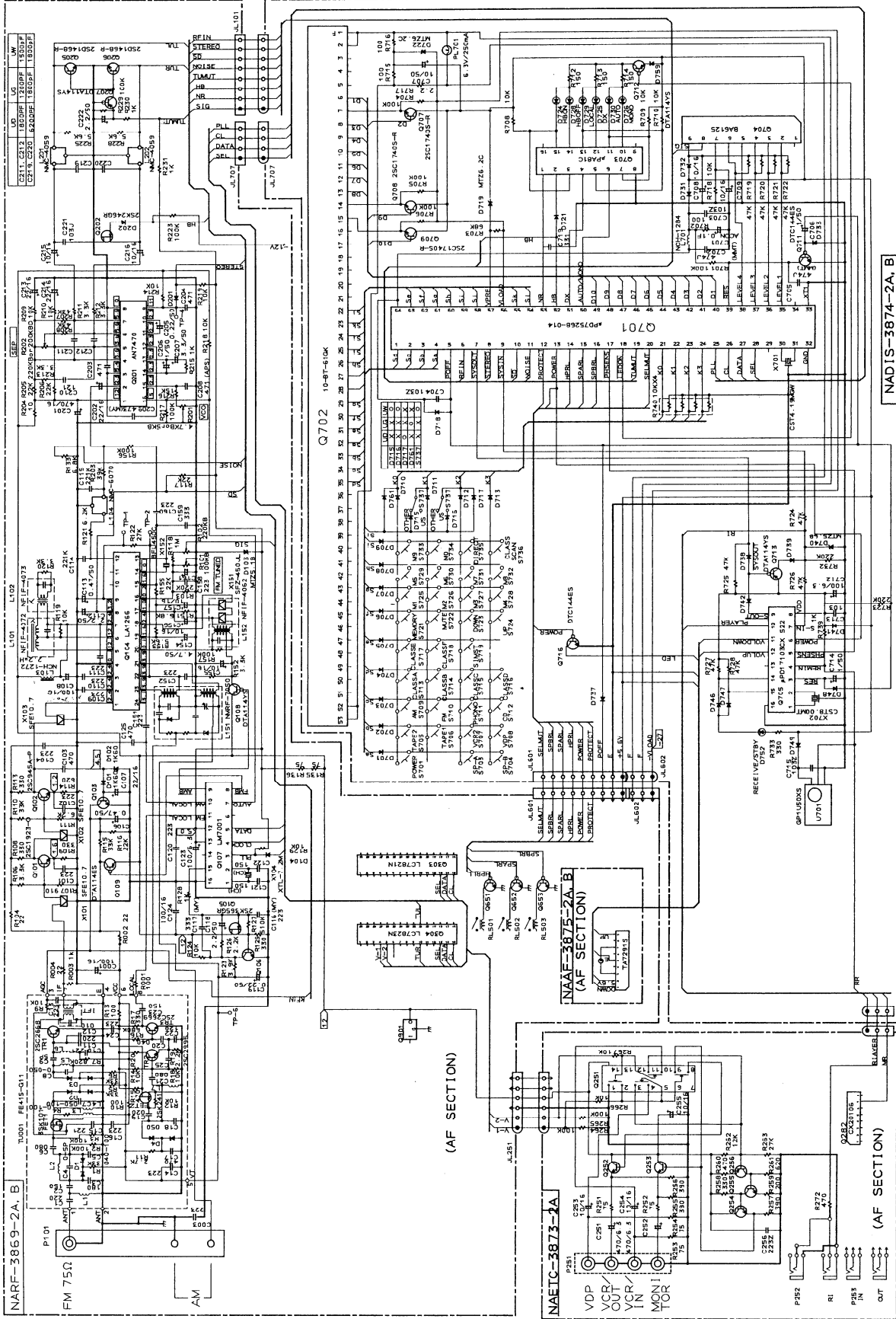
Ex. 2SC3855(O) 2SA1491(O)

 Same beta group

NOTE: <D>: Only 120V model
 <G>: Only 220V/240V models
 <W>: Only Worldwide model

SCHEMATIC DIAGRAM

A B C D E F G

- TUNER SECTION -
OTHER MODELS



SCHEMATIC DIAGRAM

A

B

C

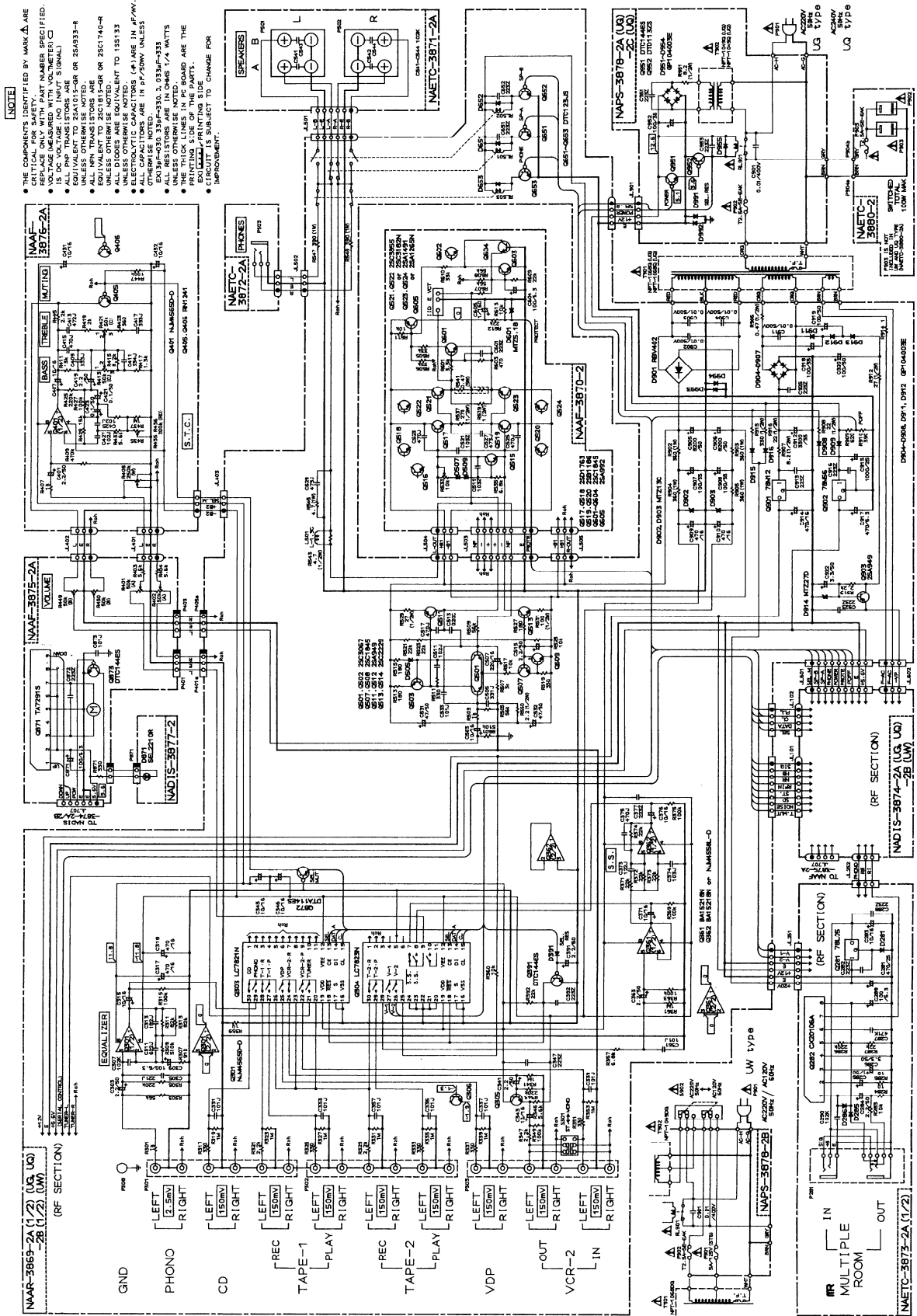
D

E

F

G

- AMPLIFIER SECTION -
OTHER MODELS



NOTE

- THE COMPONENTS IDENTIFIED BY MARK Δ ARE CRITICAL FOR SAFETY.
- REPLACE ONLY WITH PART NUMBER SPECIFIED.
- Δ IS DC VOLTAGE (NO INPUT SIGNAL).
- ALL PNP TRANSISTORS ARE IN 2N1404-B UNLESS OTHERWISE NOTED.
- ALL NPN TRANSISTORS ARE IN 2N1740-B UNLESS OTHERWISE NOTED.
- ALL CAPACITORS ARE IN PPF/50V UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1N5133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (E) ARE IN μF/VV.
- ALL RESISTORS ARE IN OHMS 1/4 WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES IN PC BOARD ARE THE PRINTING SIDE OF THE PARTS.
- Δ CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

PRINTED CIRCUIT BOARD PARTS LIST

SPEAKER TERMINAL PC BOARD (NAETC-3871-2/2A)

CIRCUIT NO.	PART NO.	DESCRIPTION
P501, P502	25060110	NTM-4PDMN44, Speaker terminals

HEADPHONE TERMINAL PC BOARD (NAETC-3872-2/2A)

CIRCUIT NO.	PART NO.	DESCRIPTION
P503	25045256	YKB21-5010, Headphone terminal <D/W>
	25045255	YKB21-5009, Headphone terminal <G>

VIDEO TERMINAL PC BOARD (NAETC-3873-2/2A)

CIRCUIT NO.	PART NO.	DESCRIPTION
ICs		
Q251	222840661	4066B
Q281	222780053	78L05
Q282	22240345	CX20106A
Transistors		
Q252-Q255	2211183 or 2211255	2SC1740-R or 2SC1815-GR
Q256	2213074 or 2211455	2SA933-R or 2SA1015-GR
Q271	221282	DTC144ES <D>
Diodes		
D281, D285	223163	1SS133
Capacitors		
C251, C252	354724719	470 μ F, 6.3V, Elect.
C253-C255	391941007	10 μ F, 16V, Elect. (RA2)
C283	391941007	10 μ F, 16V, Elect. (RA2)
C284	391980227	2.2 μ F, 50V, Elect. (RA2)
C285	354780109	1 μ F, 50V, Elect.
C286	354780339	3.3 μ F, 50V, Elect.
C289	391921017	100 μ F, 6.3V, Elect. (RA2)
Terminals		
P251	25045192	NPJ-4PDBL76, Video
P271	25045172	HSJ-1003-01-020, RI
P281	25045293	HSJ-1003-01-012, RR (Room to Room)
P491	25045171	NPJ-4PDBL65, PRE-MAIN <D>
Sockets		
J1, 252	25050267	NSCT-3P95
P404	2000562	NSAS-6P518 <D>
Plug		
P402a	25055133	NPLG-3P117 <D>
Shield plate		
	27150294	<D>

AC OUTLET TERMINAL PC BOARD (NAETC-3879-2) (Only 120V model)

CIRCUIT NO.	PART NO.	DESCRIPTION
P902	25050409	Δ NSCT-4P234, AC outlet
P904	2009990078	NSAS-4P0115, Socket

AC OUTLET TERMINAL PC BOARD (NAETC-3880-2/2A) (Only 220V and Worldwide models)

CIRCUIT NO.	PART NO.	DESCRIPTION
P902, P903	25050410	Δ NSCT-2P235, AC outlet
F903a	25050065	Δ YSH-403T, Fuseholders <G>
F903	252075	Δ 2.5A-SE-EAK, Primary for AC outlet <G>
P904a	2065543341	Cord ass'y
P904b	2065543348	Cord ass'y

PREAMPLIFIER PC BOARD (NAAF-3876-2/2A)

CIRCUIT NO.	PART NO.	DESCRIPTION
IC		
Q401	22240191	NJM4565D-D
Transistors		
Q405, Q406	2213631 or 2213632	RN1241-A or RN1241-B
Capacitors		
C401, C402	391980227	2.2 μ F, 50V, Elect. (RA2)
C407, C408	391941007	10 μ F, 16V, Elect. (RA2)
C409, C410	374723334	0.033 μ F \pm 5%, 50V, Plastic (TF)
C411, C412	374723344	0.33 μ F \pm 5%, 50V, Plastic (TF)
C413, C414	374724724	4700pF \pm 5%, 50V, Plastic (TF)

CIRCUIT NO.	PART NO.	DESCRIPTION
C417, C418	374723934	0.039 μ F \pm 5%, 50V, Plastic (TF)
C419, C420	391980227	2.2 μ F, 50V, Elect. (RA2)
C421-C424	354781099	0.1 μ F, 50V, Elect.
C425-C428	374721024	1000pF \pm 5%, 50V, Plastic (TF)
C431, C432	354741009	10 μ F, 16V, Elect. <D>
	354744709	47 μ F, 16V, Elect. <G/W>

Resistors		
R405	5104270	N11RHIC250KWT25Z, Variable, BALANCE
R413, R414	5104269	N14RHIC50KC25Z, Variable, BASS
R421, R422	5104269	N14RHIC50KC25Z, Variable, TREBLE
R435, R436	6182006	N25LGI200KRD10Z, Slide, S.T.C.

Socket		
P402	2000624	NSAS-6P580 <D>

VOLUME INDICATOR PC BOARD (NADIS-3877-2)

CIRCUIT NO.	PART NO.	DESCRIPTION
D871	225241 or 225242	SEL2210R-C or SEL2210R-D, L.E.D.
	27190545	Holder, LED

NOTE: <D>: Only 120V model
<G>: Only 220/240V models
<W>: Only Worldwide model

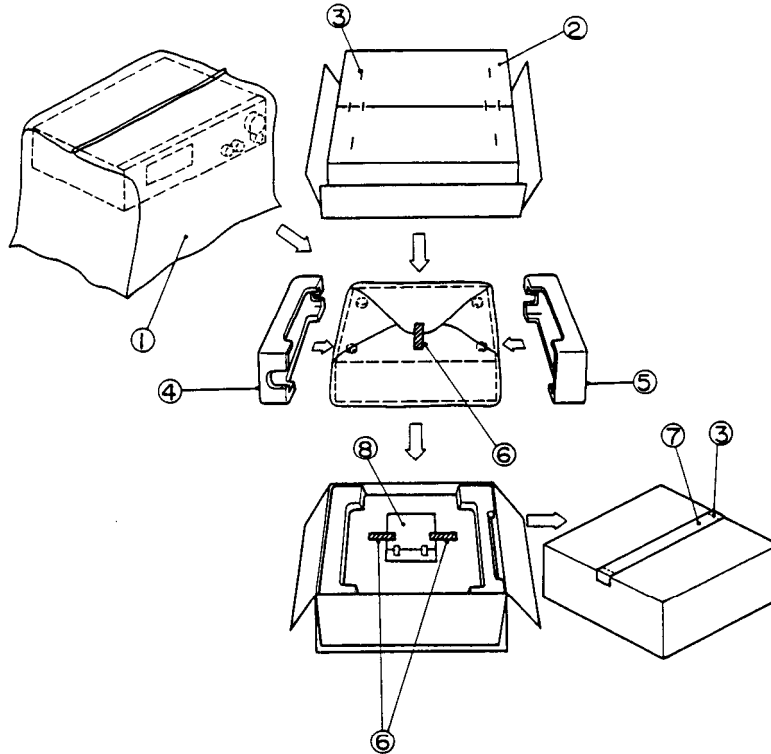
POWER SUPPLY PC BOARD (NAPS-3878-2/2A/2B/2C)

CIRCUIT NO.	PART NO.	DESCRIPTION
Transistors		
Q951	221282	DTC144ES
Q952	2213650	DTD113ZS
Diodes		
D951-D954	22380035	GP104003E
D955	223163	1SS133
D991, D992	223163	1SS133
Transformer		
T902	23000493	Δ NPT-1049D, Power <D>
	23000494	Δ NPT-1049G, Power <G>
	23000495	Δ NPT-1049DG, Power <W>
	23000496	Δ NPT-1049Q, Power <Q>
Capacitors		
C901	3500065A	Δ DE7150FZ103PAC400V/125V, IS
C952	354761019	100 μ F, 35V, Elect.
Resistors		
R901	431523355	Δ 3.3Mohm, 1/2W, Solid <D>
R951	442520824	8.2ohm, 1/2W, Metal oxide film
Relay		
RL901	25065269	Δ NRL-1P5A-DC12-36 <D>
	25065248	Δ NRL-1P15A-DC12-29 <G/W/Q>
Socket		
JL901	25050268	NSCT-4P96
Fuseholders		
F901a	250113	Δ SN5051 <D/W>
F902a	25050065	Δ YSH403T <G/W/Q>
Fuse		
F901	252050	Δ 5A (ST-6), Primary <D/W>
F902	252075	Δ 2.5A-SE-EAK, Primary <G/W/Q>
Bracket		
	27141059	Ground <D>
Label		
	29360626-1	Fuse <D>

NOTE: <D>: Only 120V model
<G>: Only 220V model
<Q>: Only 240V model
<W>: Only Worldwide model

NOTE: THE COMPONENTS IDENTIFIED BY MARK Δ ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBER SPECIFIED.

PACKING VIEW



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	29100034	850 × 650mm, Poly-vinyl bag		-220V/240V models-	
2	29052062	Master carton box	29341516		Instruction manual
3	282320	Sealing hook	292092		FM antenna
4	29091263A	Pad R	232140		NMA-3057, AM loop antenna
5	29091262C	Pad L	2010200		Connection cord for RI
6	261504	Adhesive tape	3010124		UM-4, Two batteries
7	29110071-1	Damplon tape	24140171		RC-171S, Remote control transmitter
8	Accessory bag ass'y		29100097		250 × 350mm, Poly-vinyl bag
	-120V model-		25060123		FM adaptor (240V model)
	29341515A	Instruction manual		-Worldwide model-	
	292064B	FM antenna	29341516		Instruction manual
	232140	NMA-3057, AM loop antenna	292092		FM antenna
	2010200	Connection cord for RI	232140		NMA-3057, AM loop antenna
	3010054	UM-3, Two batteries	2010200		Connection cord for RI
	24140170	RC-170S, Remote control transmitter	3010124		UM-4, Two batteries
	29100097	250 × 350mm, Poly-vinyl bag	24140171		RC-171S, Remote control transmitter
	29365019	Warranty card (U.S.A. model)	29100097		250 × 350mm, Poly-vinyl bag
	29358002H	Service station list (U.S.A. model)	25060123		FM adaptor
			25055040		CV-K-2, Conversion plug

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