

••• SERVICE MANUAL

NAD

T-550


SERVICE SAFETY PRECAUTIONS

1. Replacing the fuses
CAUTION: FOR CONTINUED PROTECTION AGAINST THE RISK OF FIRE
REPLACE ONLY WITH SAME TYPE OF FUSE.

Reference No.	Part No.	Description
F901*AH	252164	5A-125V UL/T-237 Time lag
F902*B1,B,C	252075	T2.5AL/250V SE-EAK Time lag
F903,F904*AH	252163	4A-125V UL/T-237 Time lag
F903,F904*B1,B,C	252077	T4AL/250V SE-EAK Time lag

NOTE:
<*AH> : U.S.A., CANADIAN MODEL ONLY. <*B1> : AUSTRALIAN MODEL ONLY.
<*C> : EUROPEAN MODEL ONLY. <*B> : U.K. MODEL ONLY.

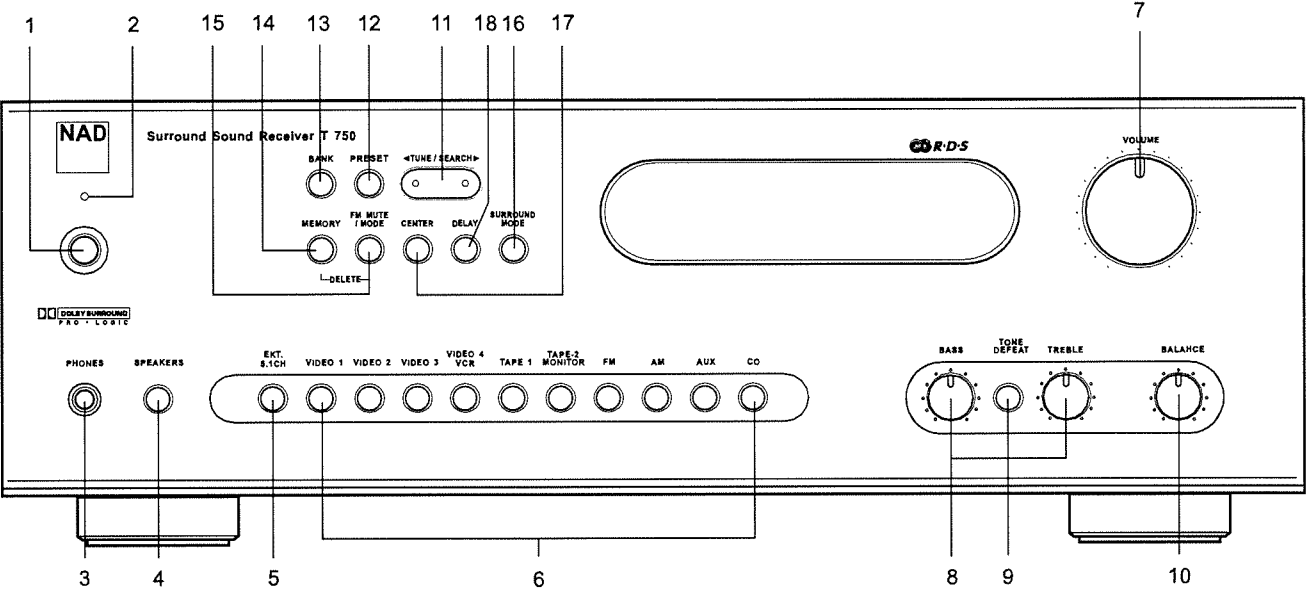
2. SAFETY CHECK OUT
(Only U.S.A. model)
Before returning the product to the customer, make leakage current or resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit.

Parts marked with the symbol  are critical with regard to the risk of fire and electric shock. Replace only with parts recommended by the manufacturer.


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FRONT PANEL CONTROLS



- 1.POWER
2.STANDBY LED
3.HEADPHONE SOCKET
4.SPEAKERS
5.EXT.5.1CH
6.VIDEO 1 TO VIDEO 4, TAPE 1, TAPE2 MONITOR, FM, AM, AUX,CD
- 7.VOLUME
8.BASS & TREBLE CONTROLS
9.TONE DEFEAT
10.BALANCE
11.TUNE/SEARCH ◀ AND ▶
- 12.PRESET
13.BANK
14.MEMORY
15.FM MUTE/MODE
16.SURROUND MODE
- 17.CENTER
18.DELAY

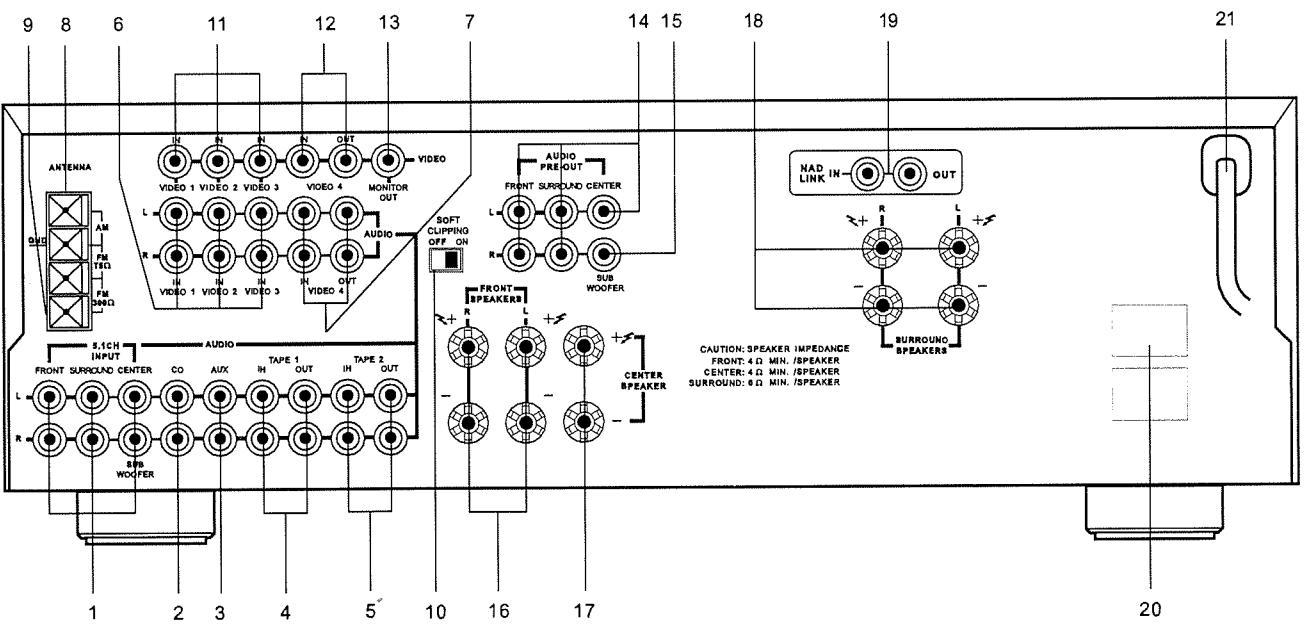


The lightning flash with arrowhead, within an equilateral triangle is intended to alert the user of the presence of un-insulated "dangerous voltage" within the product's enclosure; that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance

REAR PANEL CONNECTIONS



- 1.5.1CHANNEL INPUTS
2.CD INPUT
3.AUX INPUT
4.TAPE 1 IN/OUT
5.TAPE 2 IN/OUT
6.VIDEO 1 IN TO VIDEO3 IN(AUDIO)
- 7.VIDEO 4 IN/OUT(AUDIO)
8.AM ANTENNA
9.FM ANTENNA(Spring clip for AH, Din for C, B, B1)
10.SOFT CLIPPING
11.VIDEO 1 IN TO 3 IN(VIDEO)
- 12.VIDEO 4 IN/OUT(VIDEO)
13.MONITOR OUT
14.AUDIO PRE-OUTS
15.SUB WOOFER OUT
16.FRONT SPEAKERS
17.CENTER SPEAKER
- 18.SURROUND SPEAKERS
19.NAD LINK IN/OUT
20.AC OUTLETS
(120V North American versions only)
21.AC POWER CORD

SPECIFICATIONS

- ① Power Supply Voltage & Frequency

AH Type ----- 120V / 60Hz

C/B/B1 Type ----- 230V / 50Hz

② Load Resistance

Speaker Terminal --- 8ohms

Other Terminal ---- 47kohms

③ Temperature & Humidity

Temperature ----- 5 ~ 35 °C

Humidity ----- 45 ~ 85 %

④ Standard Knob and Switch Position (S.K.P.)

a. Master Volume Control----- ON

b. Bass Control ----- Center

c. Treble Control ----- Center

d. Balance Control ----- Center

e. Input Selector ----- CD

f. Tone Defeat ----- OFF

g. Muting ----- OFF

h. Soft Clipping SW ----- OFF

i. Speaker ----- OFF

j. Dolby Surround ----- OFF

k. Center Mode ----- Wide band

l. Delay Time ----- 20ms

m. Center Level ----- 0dB

n. L/R Surround Level - 0dB

- ⑤ Standard Measurement Point(S.M.P.)
- FL/FR-SP ----- Front Speakers Terminals L/Rch
- C-SP ----- Center Speaker Terminals
- LS/RS-SP ----- Surround Speakers Terminals L/Rch
- FL/FR-PREOUT - Front Preout Jacks L/Rch
- C-PREOUT ----- Center Preout Jack
- LS/RS-PREOUT - Surround Preout Jacks L/Rch
- Sub-PREOUT --- Subwoofer Preout Jack

- ⑥ Modulation
- FM Mono----- 75.0kHz Deviation (Mod.=1kHz)
- FM Stereo----- L + R = 67.5kHz Deviation (Mod.=1kHz)
- Pilot ----- 7.5kHz Deviation (19kHz)
- RDS----- 1.0kHz Deviation (57 kHz)
- AM----- 400Hz, 30%

Available Remote:
T 750

TUNER SECTION

「AM」
Tuning Range Fmin. AH/C, B, B1 530 / 522kHz
Fmax. AH/C, B, B1 1710 / 1611kHz
Intermediate Frequency 450 ± 0.01kHz
Freq. Step
AH/C,B,B1 = 10/9kHz

AM step frequency		
	to 10kHz step	to 9kHz step
R748	-	10k ohm
R753	10k ohm	5.6k ohm

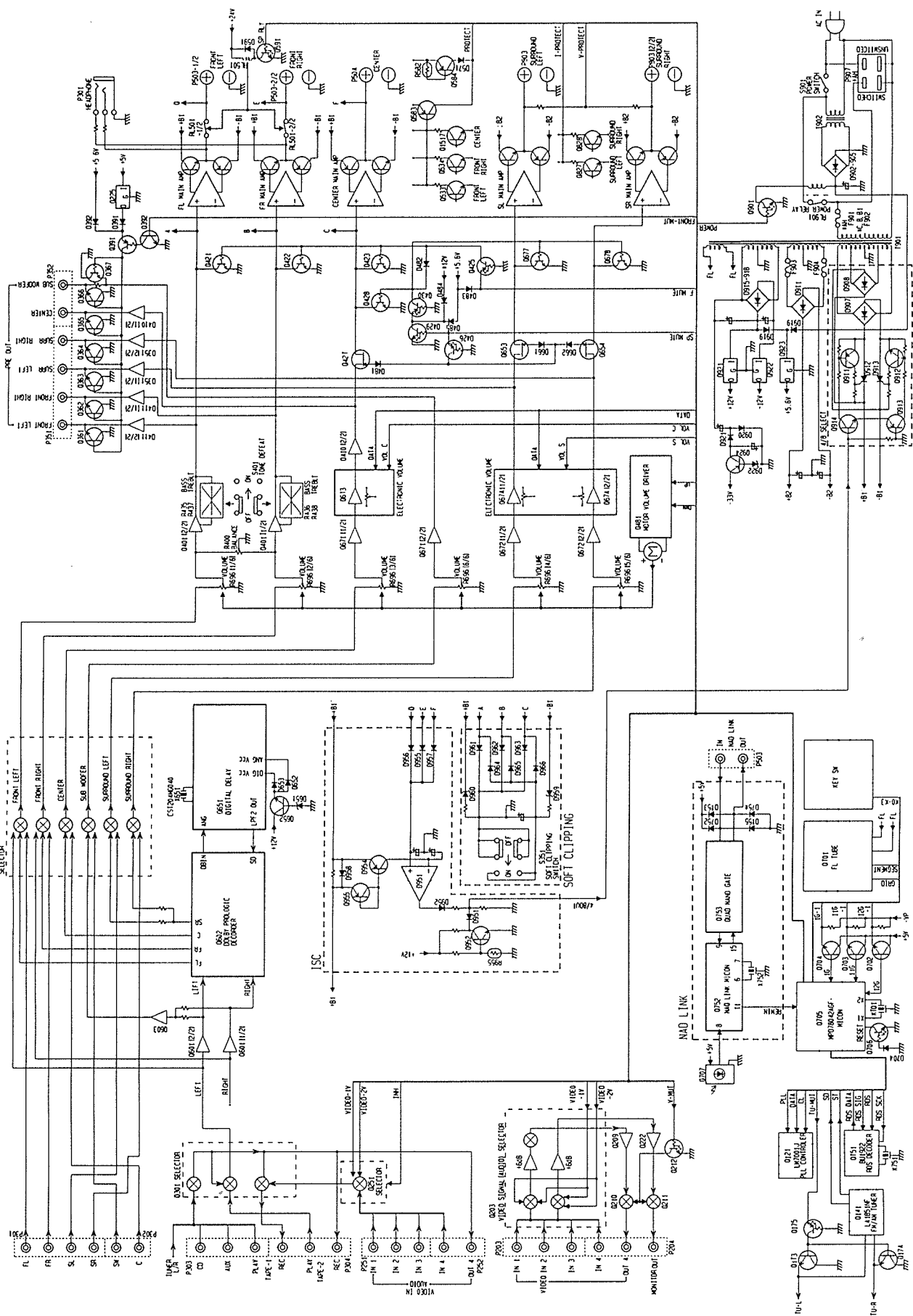
Usable Sensitivity 600, 990, 1400kHz 15 dB max.
603, 990, 1404kHz
Max. Sensitivity 600, 990, 1400kHz 70 dB/m max.
603, 990, 1404kHz
Image Rejection Ratio 1404 / 1400kHz 28 dB min.
IF Rejection Ratio 603 / 600kHz 40 dB min.
Signal to Noise Ratio 990 kHz 40 dB min.
Fixed Output Level 990 kHz 100 mV min.

「FM」
Tuning Range Fmax. 108.0 MHz
Fmin. 87.5 MHz
Usable Sensitivity 30 dB max.
3dB Limited Sensitivity 98 MHz 6 dB μ max.
Image Rejection Ratio 108 MHz 35 / 70 dB min.
IF Rejection Ratio 90 MHz 70 dB min.
Selectivity 98 MHz 40 / 65 dB min.
Signal to Noise Ratio 98 MHz 65 dB min.

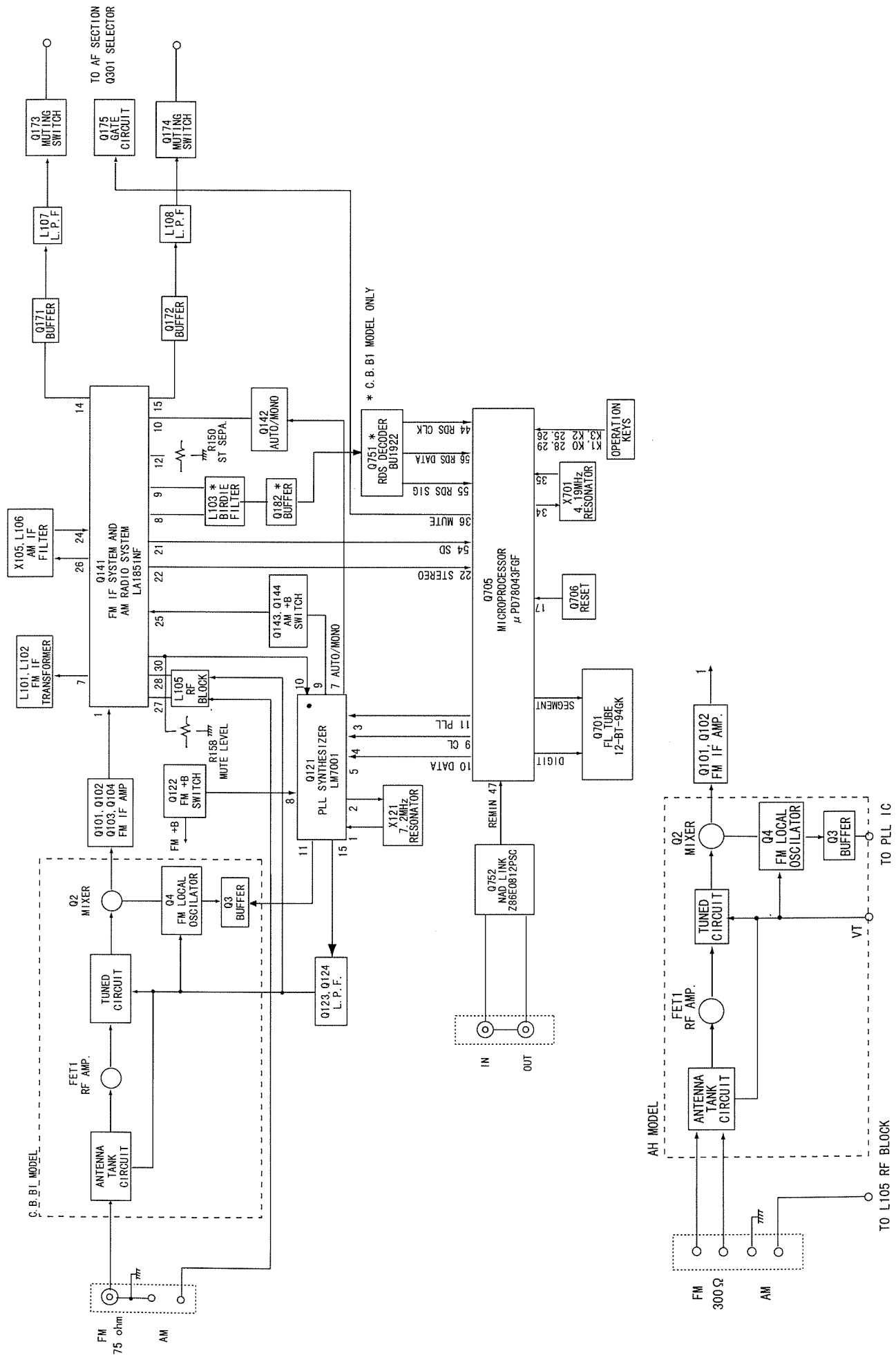
AMPLIFIER SECTION

<Stereo mode>
Max. Power 8 ohm Load 20Hz/1kHz/20kHz 45.0W min.
4 ohm Load 20Hz/1kHz/20kHz 45.0W min.
Hum & Noise FL/FR-SP S.K.P. -55dBV max.
No Signal, Volume: Min
Bass Max. 100Hz +10.0±1.5dB
Bass Min. -8.5±1.5dB
Treble Max. 10kHz +9.0±1.5dB
Treble Min. -9.0±1.5dB
<Dolby Surround mode>
Hum & Noise FL/FR-SP, C-SP -40.0dBV
LS/RS-SP -22.0dBV
LS/RS-SP -50.0dBV max.
Rear Min. Noise
Dolby Pro Logic
Center Max. Power C-SP, 1kHz 45.0W
Rear Max. Power LS/RS-SP, 1kHz 25W
Preout Gain FL/FR-PRE, 1kHz -7.0±1.5dBV
C-PREOUT -7.0±1.5dBV
LS/RS-PRE -8.0±1.5dBV
Sub Out Gain 1kHz -7.5±1.5dBV
100Hz -8.0±1.5dBV

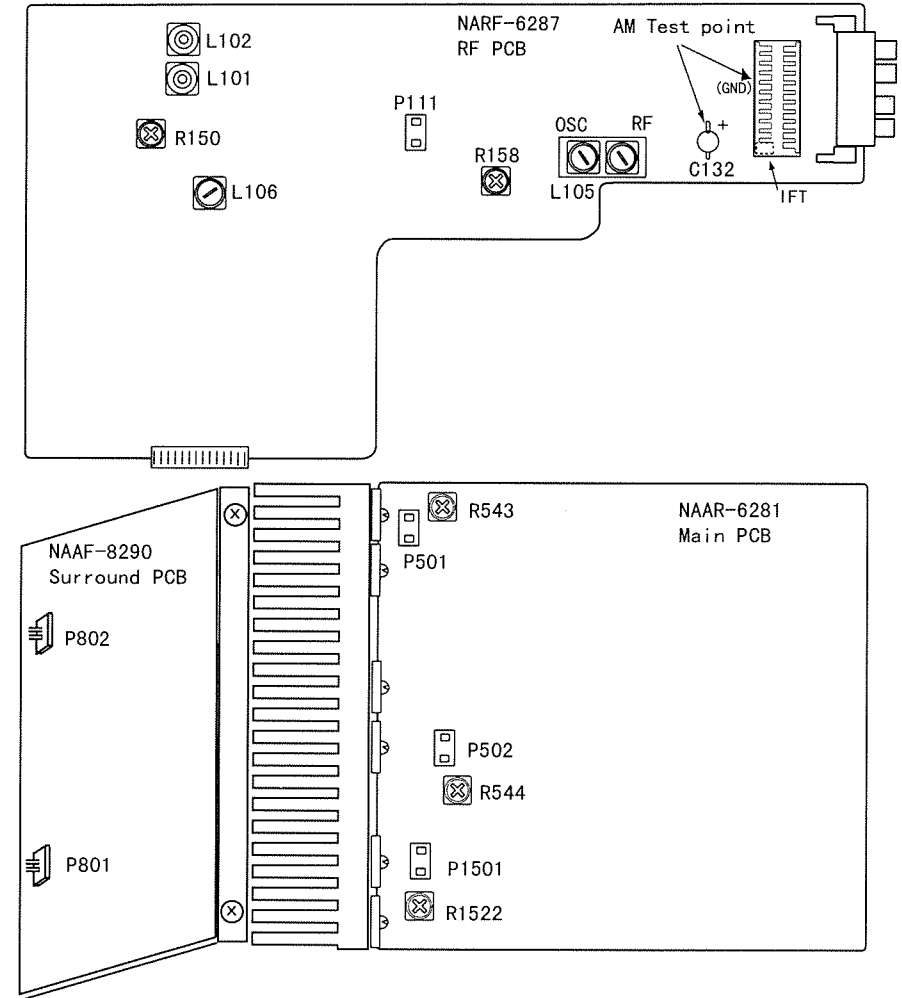
BLOCK DIAGRAM



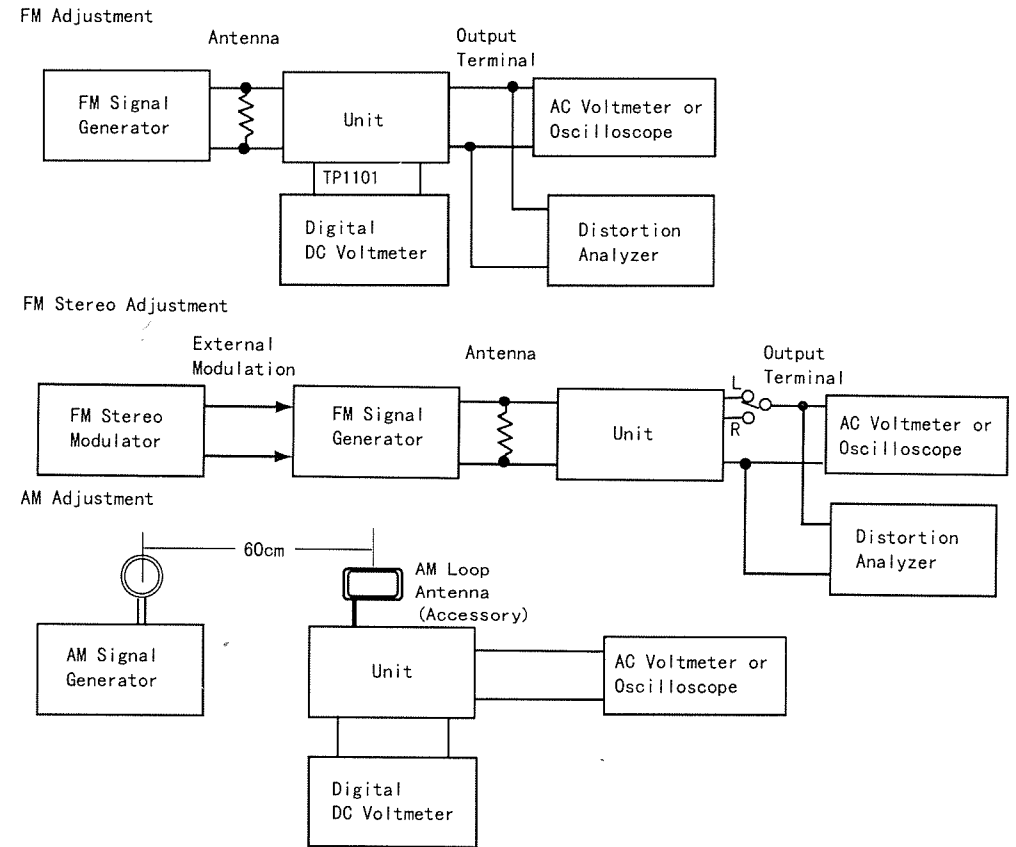
RF BLOCK DIAGRAM



Adjustment Points



Connect of Instruments



ALIGNMENT PROCEDURE

1) FM Adjustment

- a. Set the unit's frequency to 99.0MHz.
- b. Connect a dc volt meter with P111.
- c. Set FM MUTE/MODE SW (S712) to stereo.
- d. Set SSG(Standard Signal Generator) frequency to 99.0MHz, output to 60dB μ V and connect to 75 ohm antenna terminal.
- e. Turn the core of L101(NFIF-4081) so that the voltage can be within ± 20 mV.
- f. Turn the core of L102(NFIF-4082) so that mono distortion goes minimum.
- g. Repeat above items(e & f) a few times.
- h. Set the output of SSG to stereo.
- i. Turn IFT in the frontend(TU101) within ± 180 degrees so that stereo distortion can be minimum.
- j. Adjust R150 and get maximum stereo separation.
- k. Set SSG output to 19dB μ V.
- l. Adjust R158 so that AUTO indicator turns ON. As a optional method, judging by wave form is admitted.
- m. Repeat above items(k and l) a few times.

2) AM Adjustment

<AH> model

Step	AM SG output	Tuning Frequency	Output Indicator	Adjustment Point	Adjust for
1		530kHz	Digital DC voltmeter	OSC coil on RF Block L105	1.4V \pm 0.2V
2	600kHz 400Hz 30% mod. 60dB/ m	600kHz	AC voltmeter	RF coil on RF Block L105	Maximum
3	990kHz 400Hz 30% mod. 60dB/ m	990kHz	AC voltmeter	L106	Maximum

Reference Specification
FM tuned voltage 87.50MHz~108.00MHz
More than 1.2V~Less than 10V
AM tuned voltage 530kHz~1710kHz
1.3V~Less than 9.0V

<C, B, B1> models

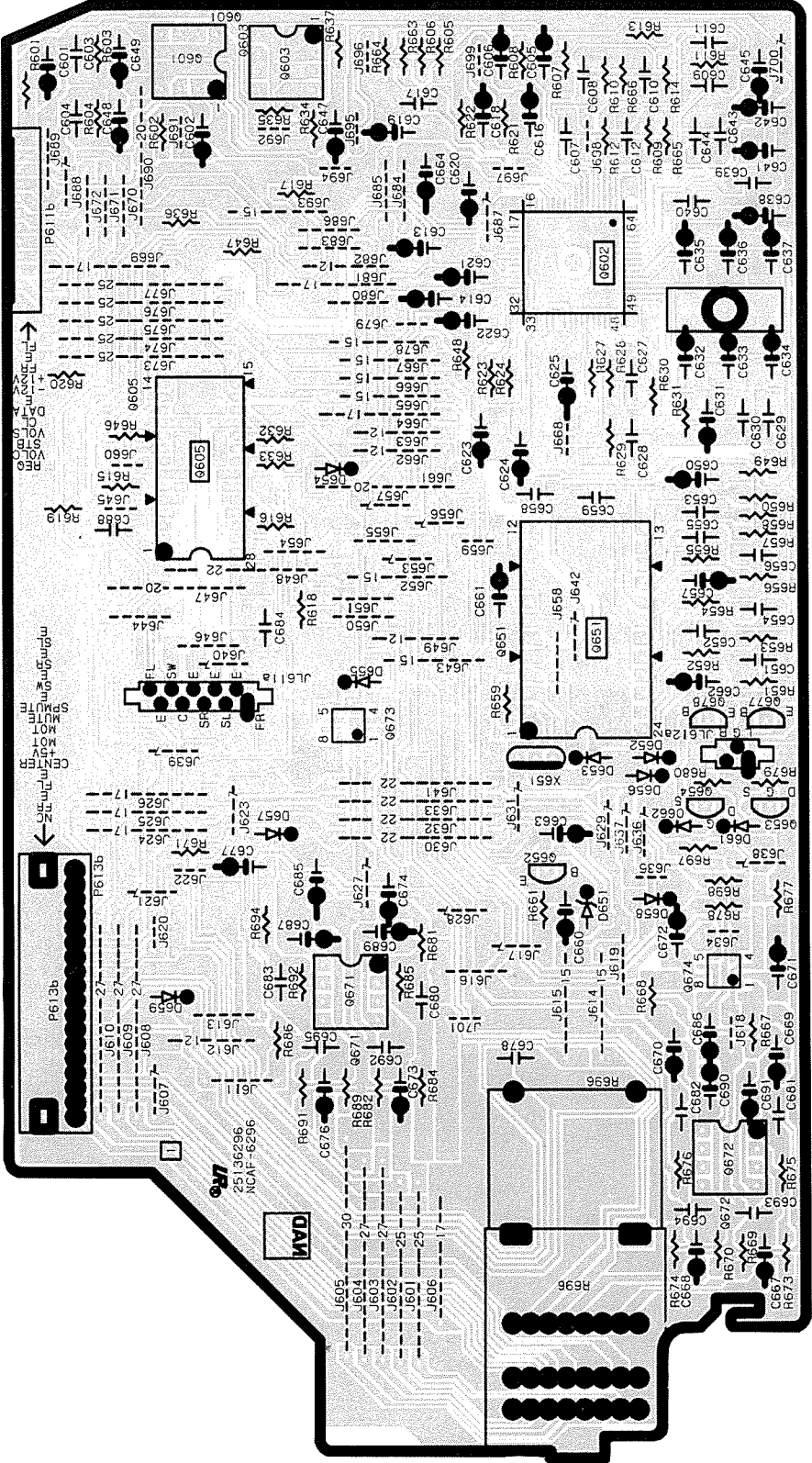
Step	AM SG output	Tuning Frequency	Output Indicator	Adjustment Point	Adjust for
1		522kHz or 531kHz	Digital DC voltmeter	OSC coil on RF Block L105	1.3V \pm 0.2V
2	603kHz 400Hz 30% mod. 60dB/ m	603kHz	AC voltmeter	RF coil on RF Block L105	Maximum
3	999kHz 400Hz 30% mod. 60dB/ m	999kHz	AC voltmeter	L106	Maximum

Reference Specification
FM tuned voltage 87.50MHz~108.00MHz
More than 1.2V~Less than 10V
AM tuned voltage 522kHz~1611kHz
1.3V~Less than 9.0V

3) Idle current Adjustment.

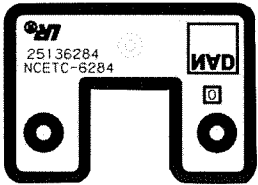
- a. With no load and no signal, connect digital DC voltmeter to test points P501 (front left), P502 (front right) and P1501 (center).
- b. Adjust R543 (front left), R544 (front right) and R1522 (center) to 2mV \pm 0.2mV.
- c. After 4~6 minutes, confirm that the voltages are still within 2mV \pm 0.2mV. Readjust if necessary.
- d. After 4~6 minutes, confirm that the voltages at test points P801 (surround left) and P802 (surround right) are less than 3mV.

U16 : Main volume circuit PC board (NAAF-6296)

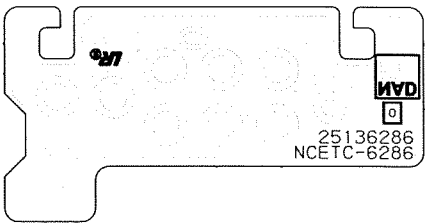


PCB LAYOUT

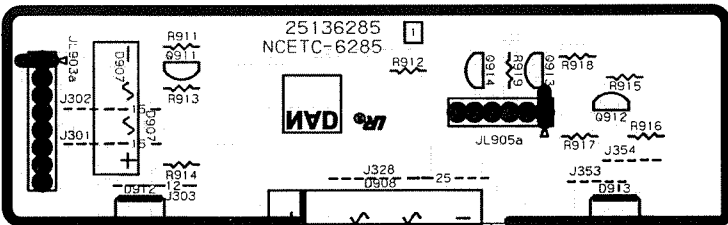
U4 : Terminal PC board
(NAETC-6284)



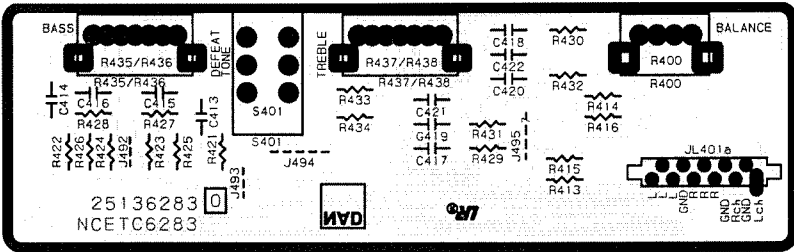
U6 : Terminal PC board
(NAETC-6286)



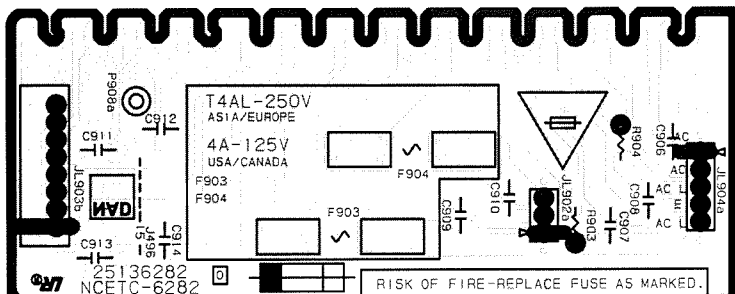
U5 : Rectifier PC board (NAETC-6285)



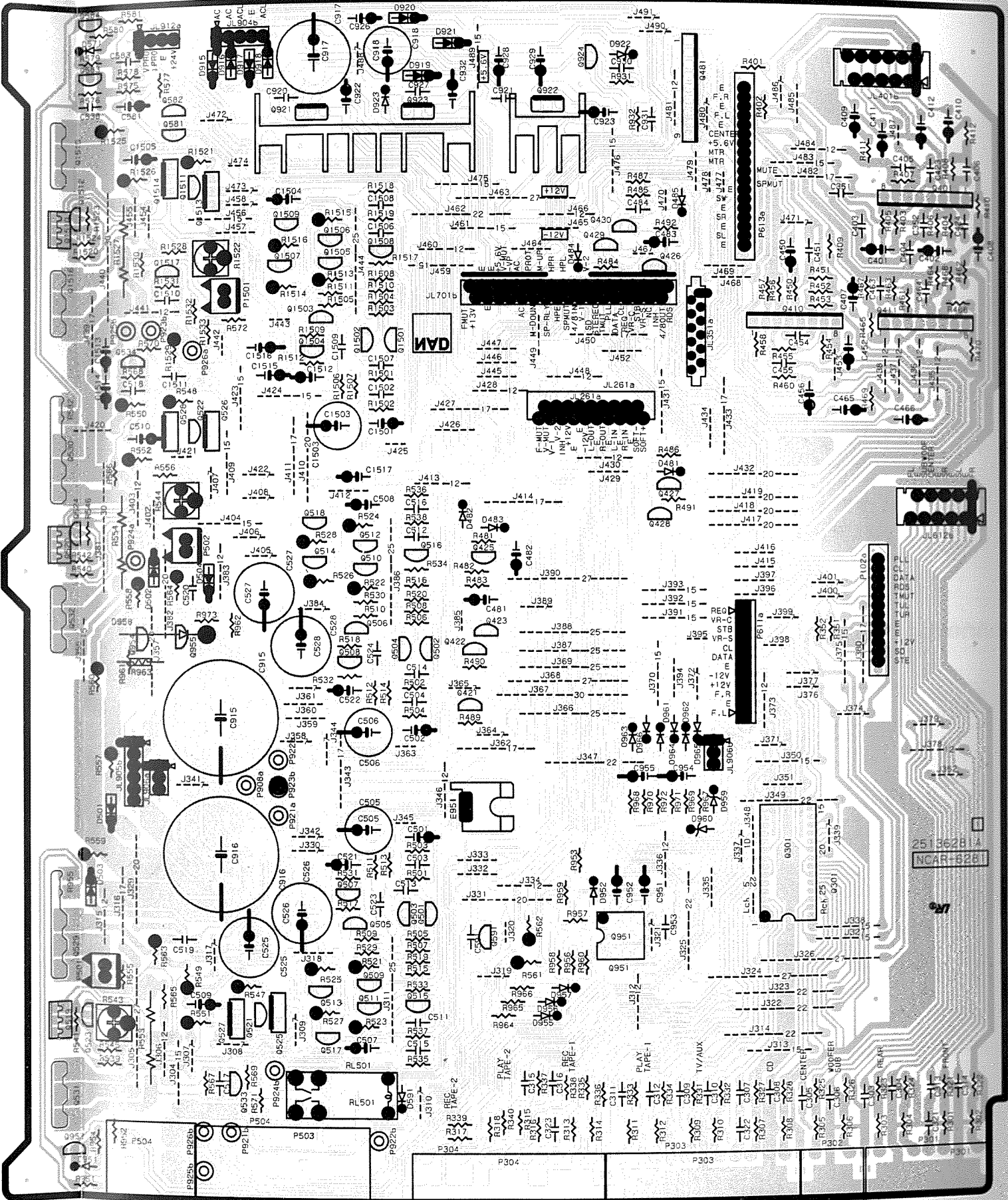
U3 : Tone control PC board (NAETC-6283)



U2 : Secondary circuit PC board (NAETC-6282)

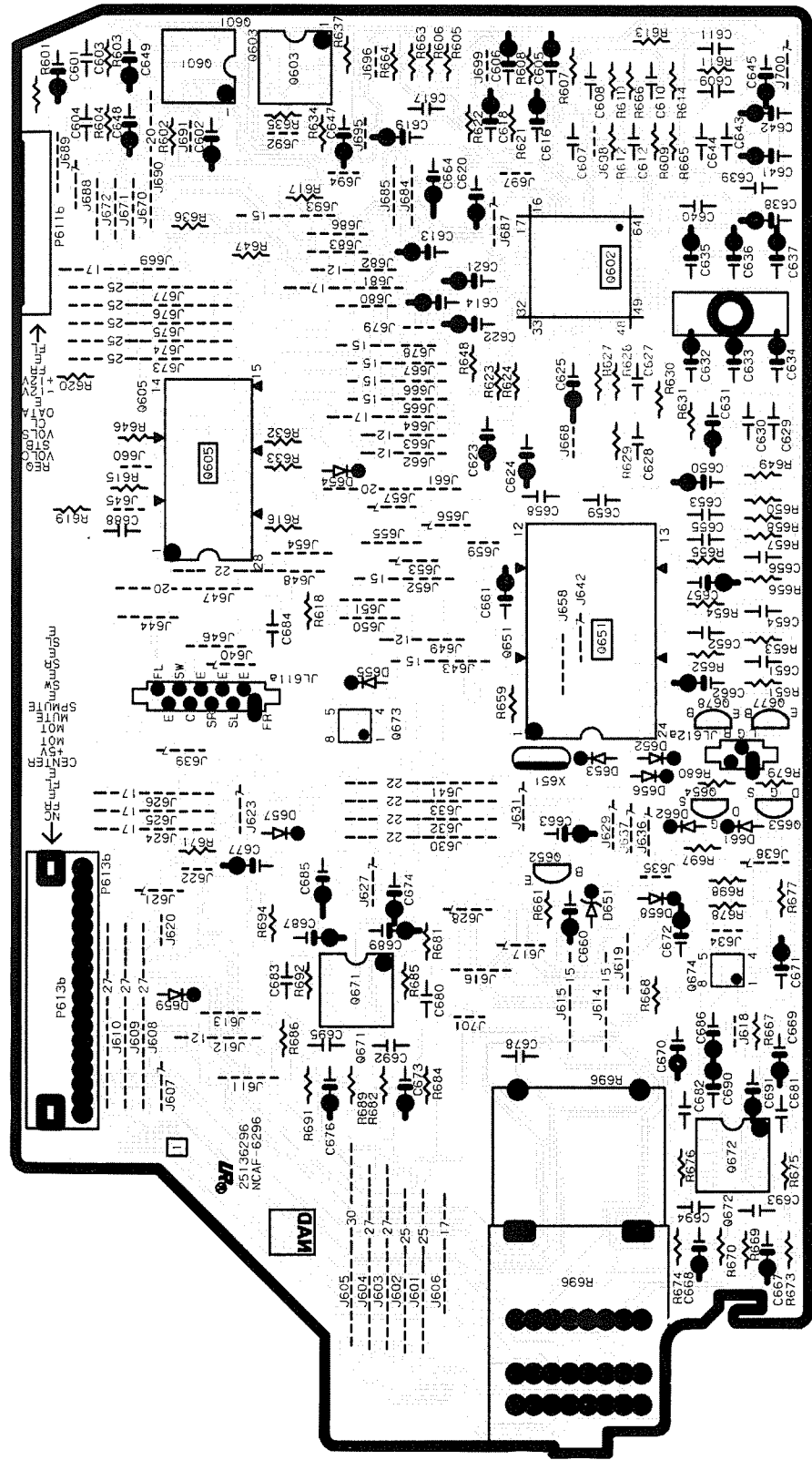


U1 : Main circuit PC board (NAAR-6281)

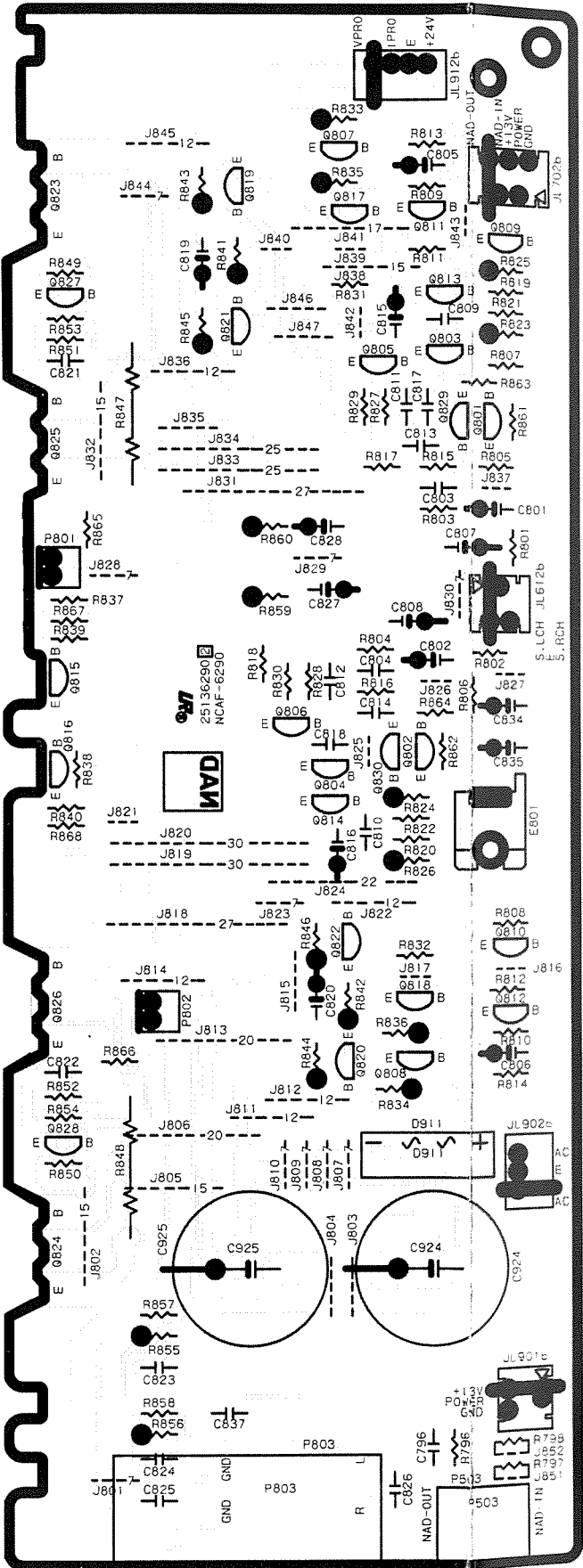


a terminal.

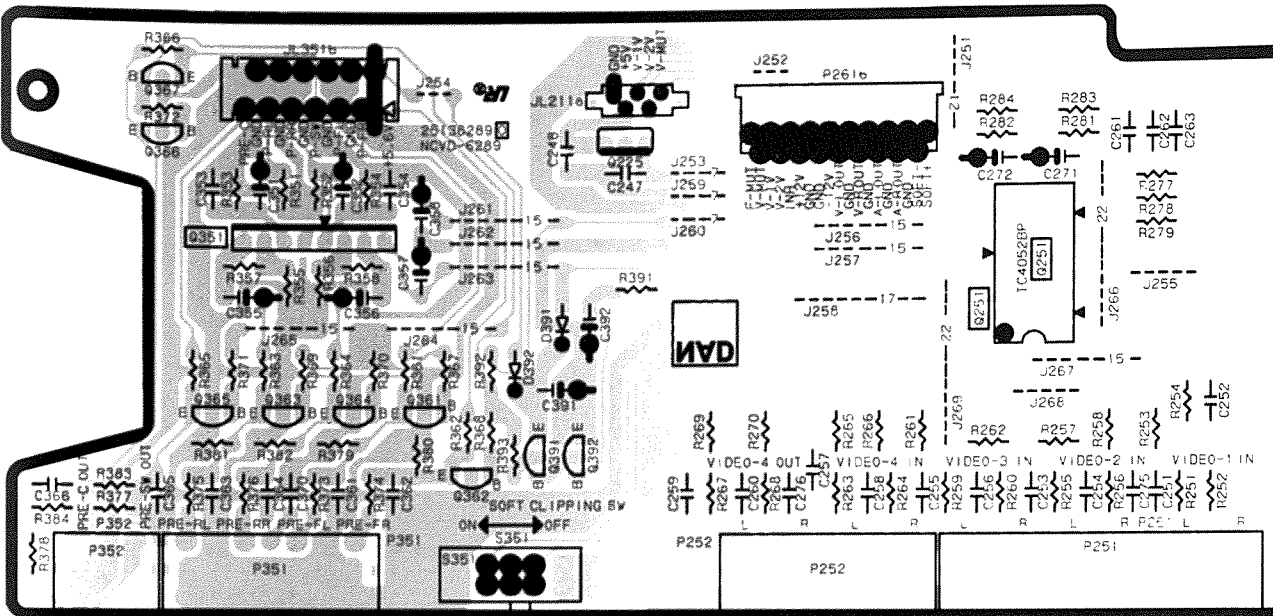
U16 : Main volume circuit PC board (NAAF-6296)



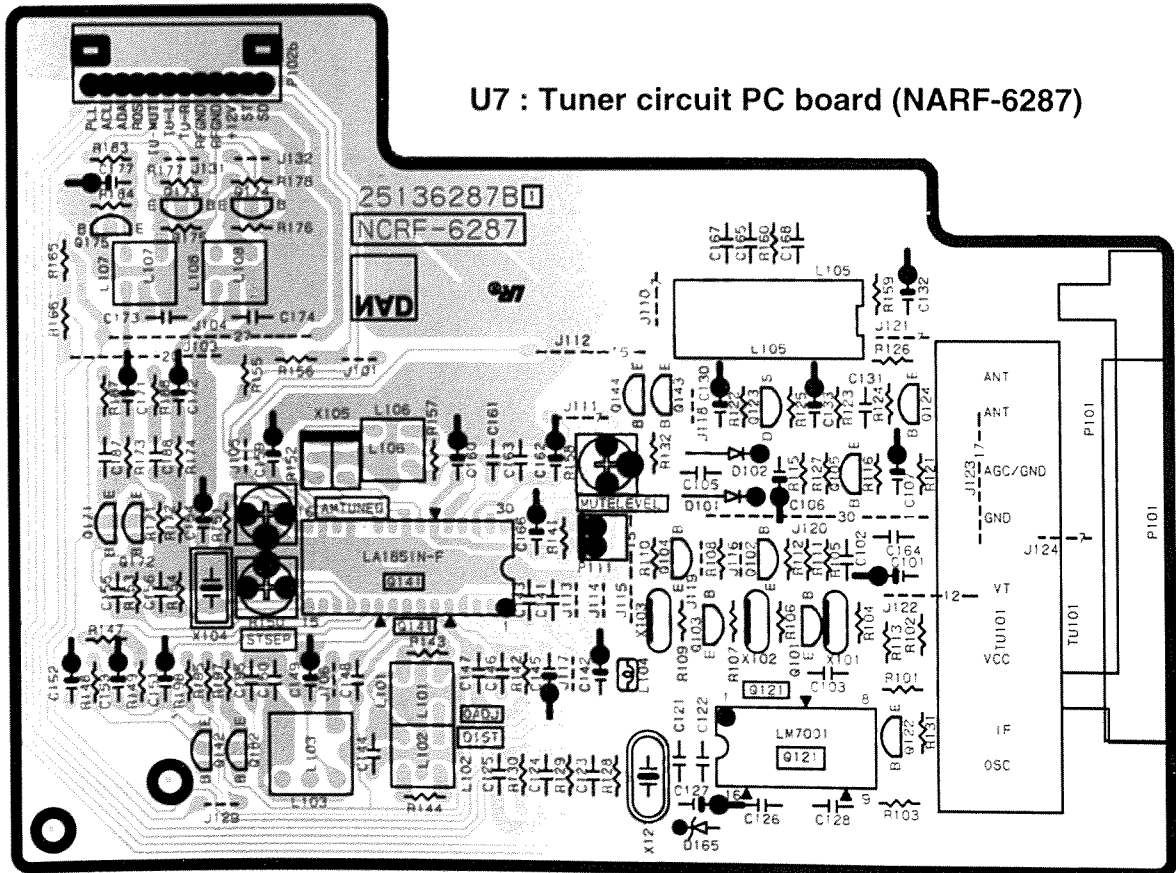
U10 : Surround amplifier PC board (NAAF-6290)



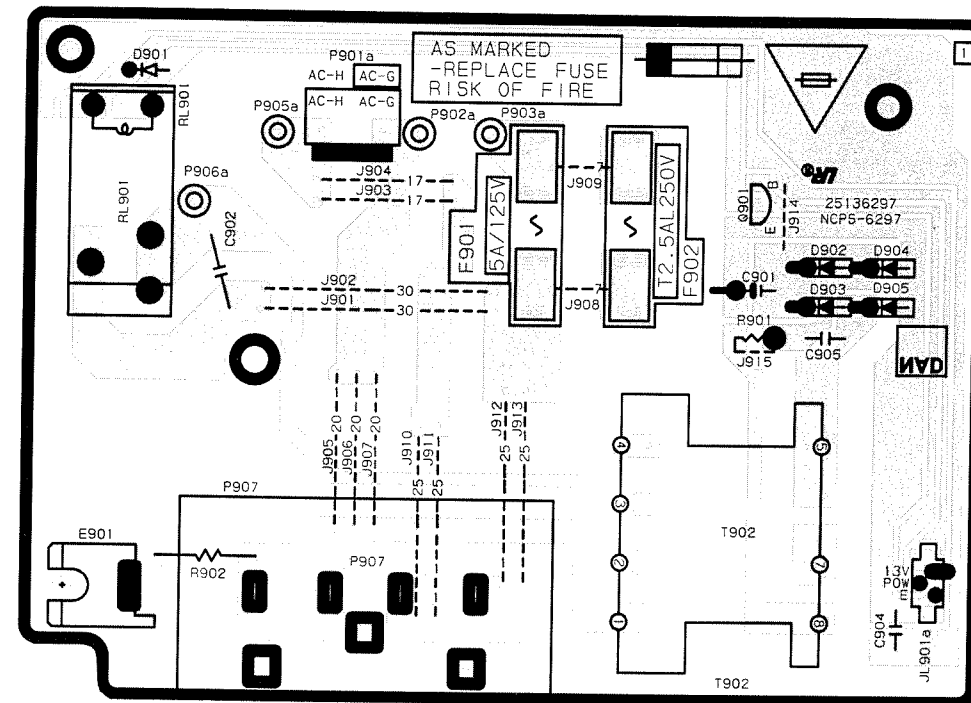
U9 : Preamplifier PC board (NAVD-6289)



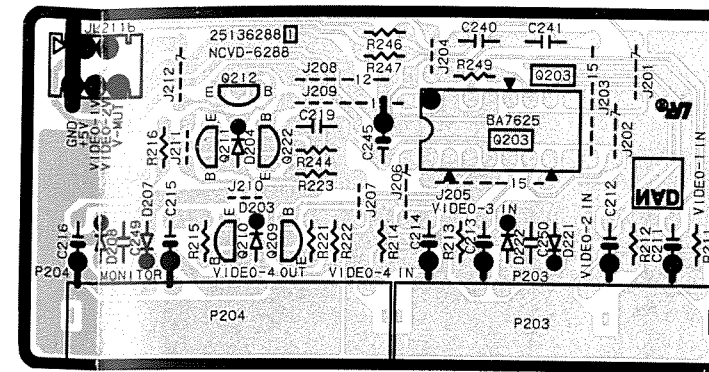
U7 : Tuner circuit PC board (NARF-6287)



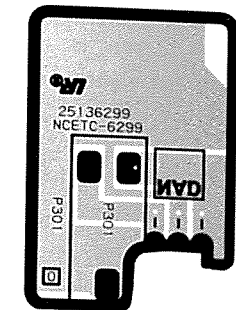
U17 : Power supply circuit PC board (NAPS-6297)



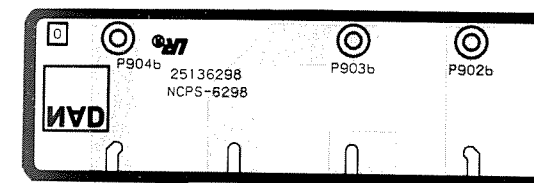
U8 : Video circuit PC board (NAVD-6288)



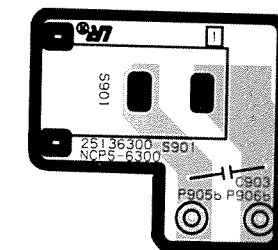
U19 : Headphone terminal PC board (NAETC-6299)



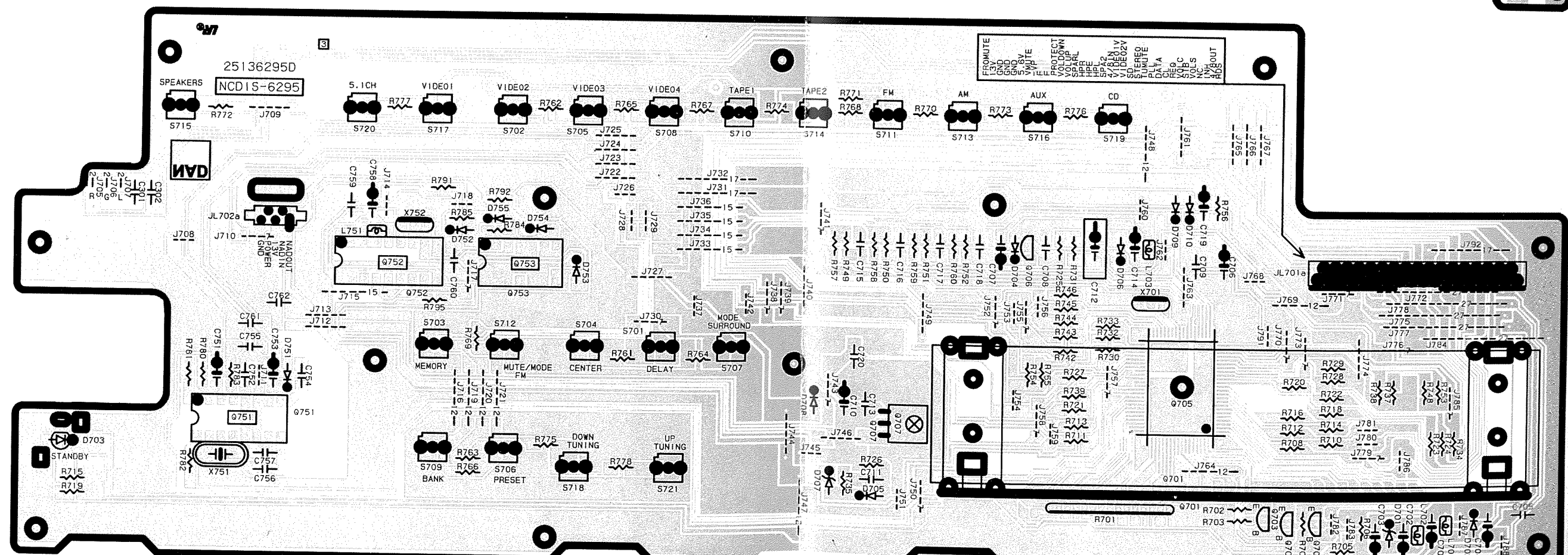
U18 : Power supply PC board (NAPS-6298)



U20 : Power Switch PC Board (NAPS-6300)



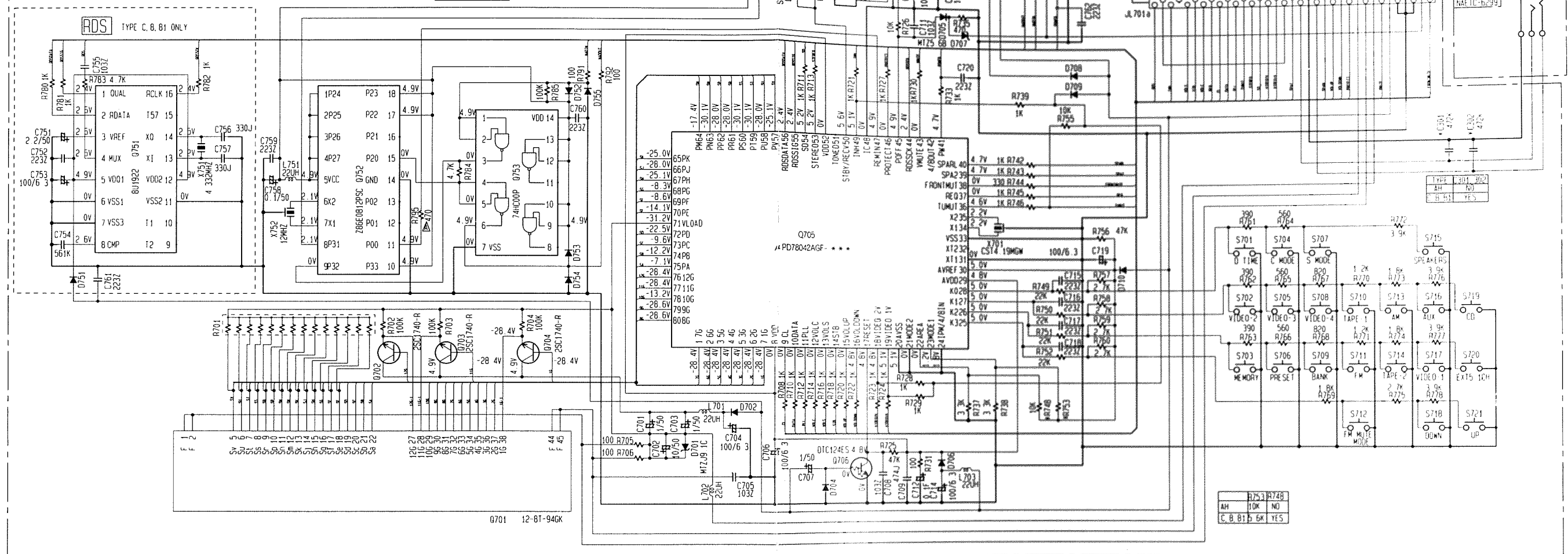
U15 : Display circuit PC board (NADIS-6295)



SCHEMATIC DIAGRAM

NADIS-6295

NAD LINK



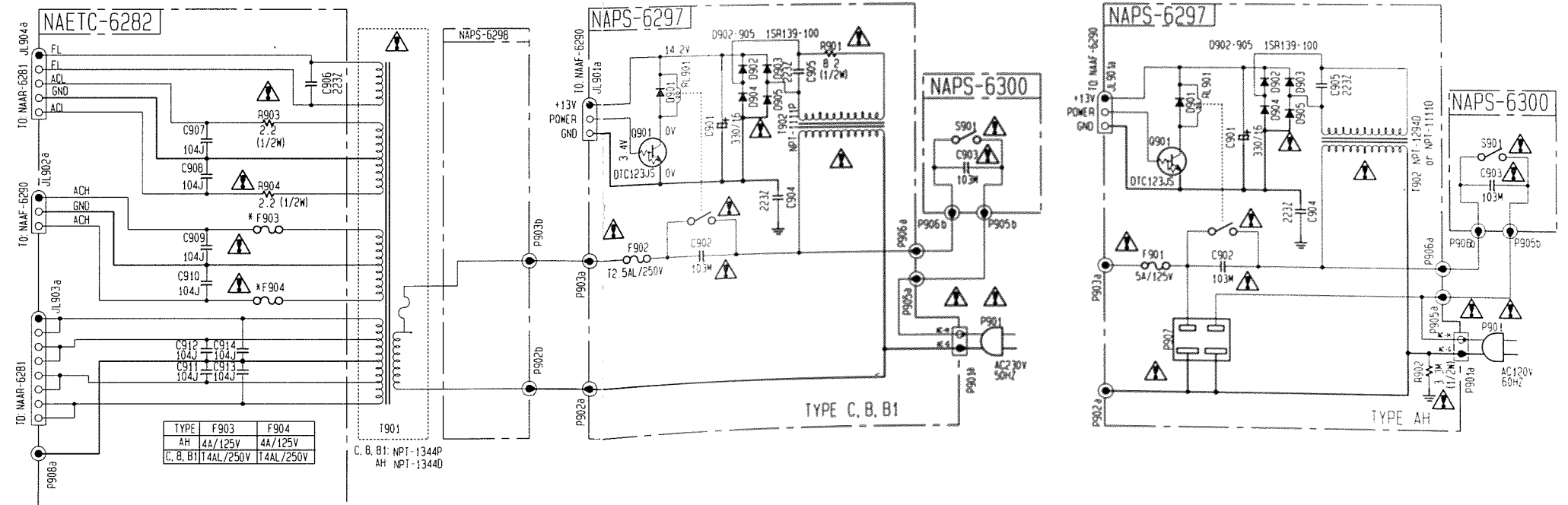
NOTE
THE COMPONENTS IDENTIFIED BY MARK Δ ARE CRITICAL FOR SAFETY.
REPLACE ONLY WITH PART NUMBER SPECIFIED.
ELECTROLYTIC CAPACITORS (E) ARE IN μ F/VV.
ALL CAPACITORS ARE IN pF/50V UNLESS OTHERWISE NOTED.
EX) 030 - 3pF 330 - 33pF 331 - 330pF 333 - 0.033 μ F
ALL RESISTORS ARE IN OHMS 1/6 WATTS UNLESS OTHERWISE NOTED.
CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

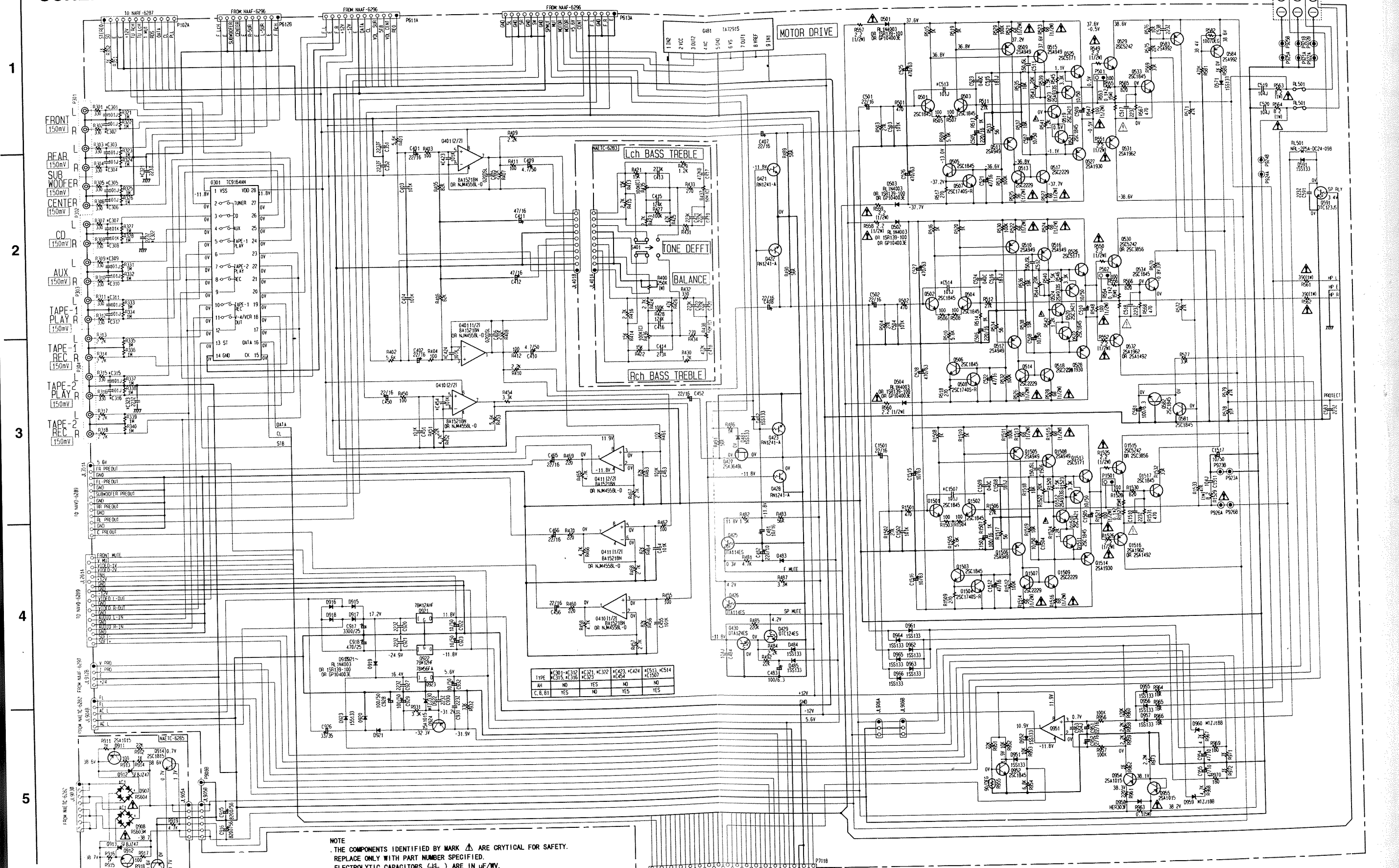
CAUTION
FOR CONTINUED PROTECTION
AGAINST FIRE HAZARD, REPLACE
ONLY WITH FUSE OF SAME TYPE
AND RATING INDICATED

ATTENTION
AFIN D'ASSURER UNE PROTECTION
PERMANENTE CONTRE LES RISQUES
D'INCENDIE, REMPLACER UNIQUEMENT
PAR UN FUSIBLE DE MEME TYPE
ET CALIBRATION COMME INDIQUE

THIS SYMBOL LOCATED NEAR THE FUSE INDICATES
THAT THE FUSE USED IS SLOW OPERATING TYPE
FOR CONTINUED PROTECTION AGAINST FIRE FUSE
HAZARD, REPLACE WITH SAME TYPE FUSE. FOR FUSE
RATING REFER TO THE MARKING ADJACENT TO THE SYMBOL

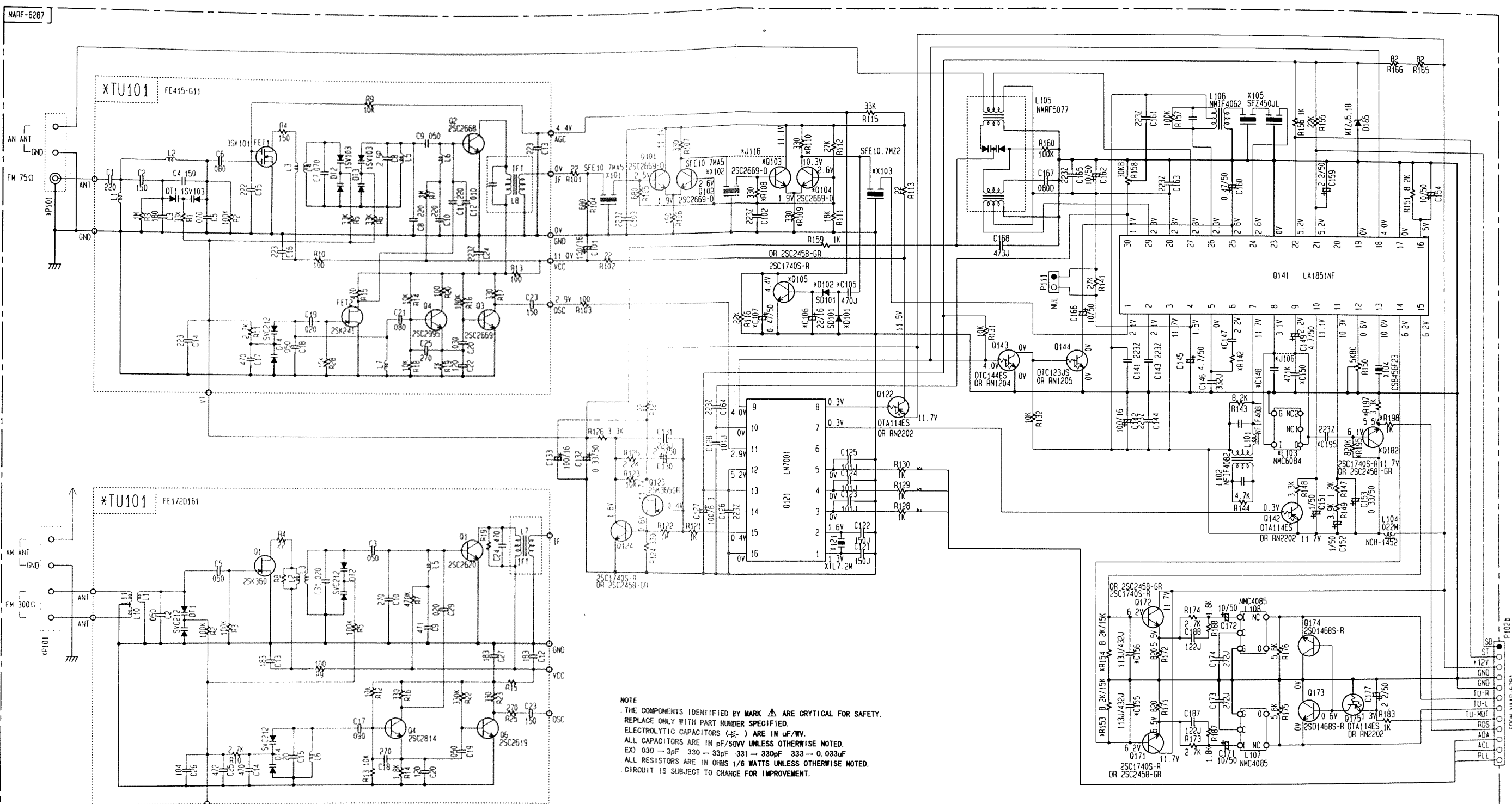
CE SYMBOLE INDIQUE QUE LE FUSIBLE UTILISE EST
A LENT. E POUR UNE PROTECTION PERMANENTE, N'UTILISER
QUE DES FUSIBLES DE MEME TYPE. CE DERNIER EST





NOTE
THE COMPONENTS IDENTIFIED BY MARK Δ ARE CRITICAL FOR SAFETY.
REPLACE ONLY WITH PART NUMBER SPECIFIED.
ELECTROLYTIC CAPACITORS ($\frac{1}{2}$) ARE IN $\mu F/MV$.

SCHEMATIC DIAGRAM



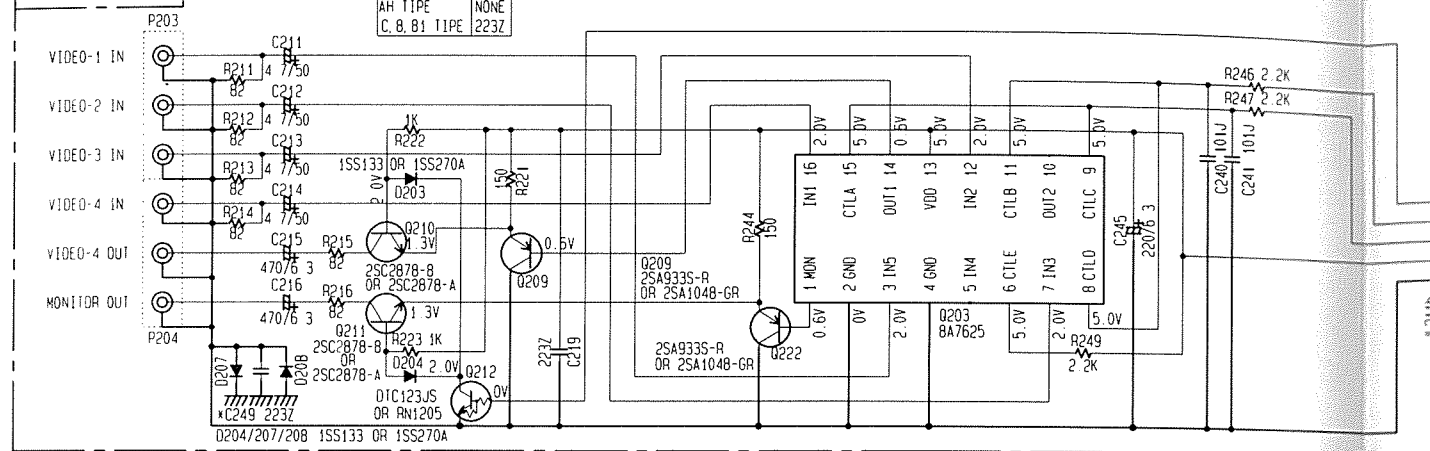
NOTE
THE COMPONENTS IDENTIFIED BY MARK Δ ARE CRITICAL FOR SAFETY.
REPLACE ONLY WITH PART NUMBER SPECIFIED.
ELECTROLYTIC CAPACITORS (E) ARE IN μ F/VV.
ALL CAPACITORS ARE IN pF/50V UNLESS OTHERWISE NOTED.
EX) 030 - 3pF 330 - 33pF 331 - 330pF 333 - 0.033 μ F
ALL RESISTORS ARE IN OHMS 1/6 WATTS UNLESS OTHERWISE NOTED.
CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

	TU101	Q103, 104	Q182	J106	J116	L103	X102	X103	C147	C148	C150	C155, 156	C195	R108, 109, 110	R142	R153, 154	R195, R197	R198	Q105	D101, 102	C105, 106, 107
AH TYPE	ENV17201G1	NONE	NONE	YES	YES	NONE	NONE	SFE10 7MA5	153J	101J	NONE	113J	NONE	NONE	47K	8.2K	NONE	NONE	NONE	NONE	NONE
C TYPE	FE415-G11	2SC2669-0	2SC1740S-R	NONE	NONE	NMC-6084	SFE10 7MA5	SFE10 7M22A	123J	470J	471K	432J	223Z	330	82K	15K	820K	3.3K	1K	NONE	NONE
B TYPE	FE415-G11	2SC2669-0	2SC1740S-R	NONE	NONE	NMC-6084	SFE10 7MA5	SFE10 7M22A	123J	470J	471K	432J	223Z	330	82K	15K	820K	3.3K	1K	NONE	NONE
B1 TYPE	FE415-G11	2SC2669-0	2SC1740S-R	NONE	NONE	NMC-6084	SFE10 7MA5	SFE10 7M22A	123J	470J	471K	432J	223Z	330	82K	15K	820K	3.3K	1K	NONE	NONE

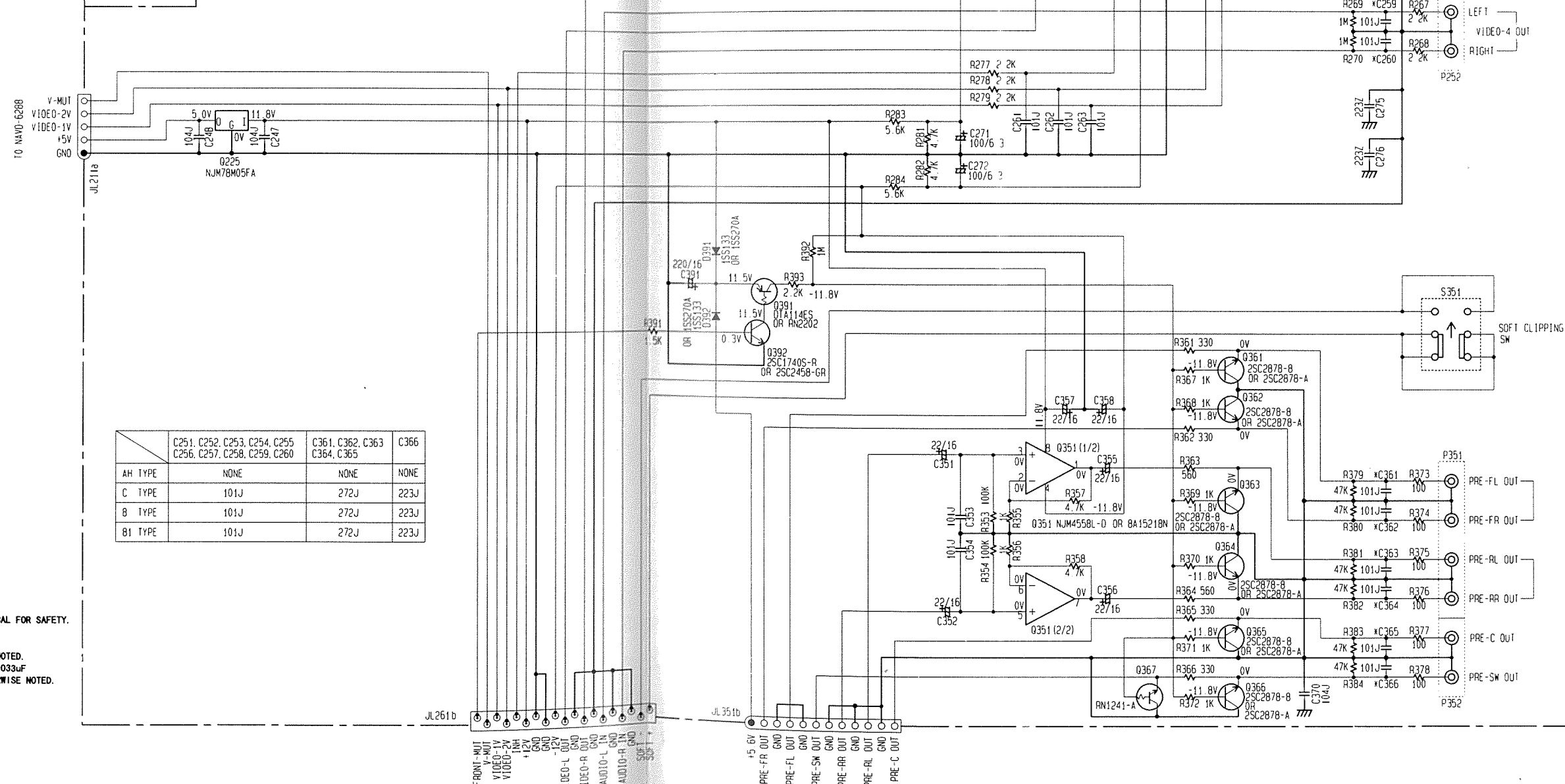
FROM NARF-6287

SCHEMATIC DIAGRAM

NAVD-6288



NAVD-6289



	C251, C252, C253, C254, C255, C256, C257, C258, C259, C260	C361, C362, C363, C364, C365	C366
AH TYPE	NONE	NONE	NONE
C TYPE	101J	272J	223J
B TYPE	101J	272J	223J
B1 TYPE	101J	272J	223J

NOTE
 . THE COMPONENTS IDENTIFIED BY MARK Δ ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
 . ELECTROLYTIC CAPACITORS (-E-) ARE IN μ F/VV.
 . ALL CAPACITORS ARE IN pF/50V UNLESS OTHERWISE NOTED.
 EX) 030 - 3pF 330 - 33pF 331 - 330pF 333 - 0.033 μ F
 . ALL RESISTORS ARE IN OHMS 1/6 WATTS UNLESS OTHERWISE NOTED.
 . CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

MICROPROCESSOR TERMINAL DESCRIPTION

Q705: μ PD78044FGF

Pin No.	Function	I/O	Description
1	7G/6G	O	Grid control output pin. On at the high level.
2	6G/7G	O	Grid control output pin. On at the high level.
3	5G/8G	O	Grid control output pin. On at the high level.
4	4G/9G	O	Grid control output pin. On at the high level.
5	3G/10G	O	Grid control output pin. On at the high level.
6	2G/11G	O	Grid control output pin. On at the high level.
7	1G/12G	O	Grid control output pin. On at the high level.
8	VDD	-	Power supply pin. (+5V)
9	CL	O	Clock out pin. Connect to the terminals CK of function switch.
10	DATA	O	Data output pin. Connect to the terminals DATA of function switch Q301(TC9273N).

Table 1		
Operation	Output (Vol. up)	Output (Vol. Down)
Stop	H	H
Vol. Up	H	L
Vol. Down	L	H
Power off	L	L

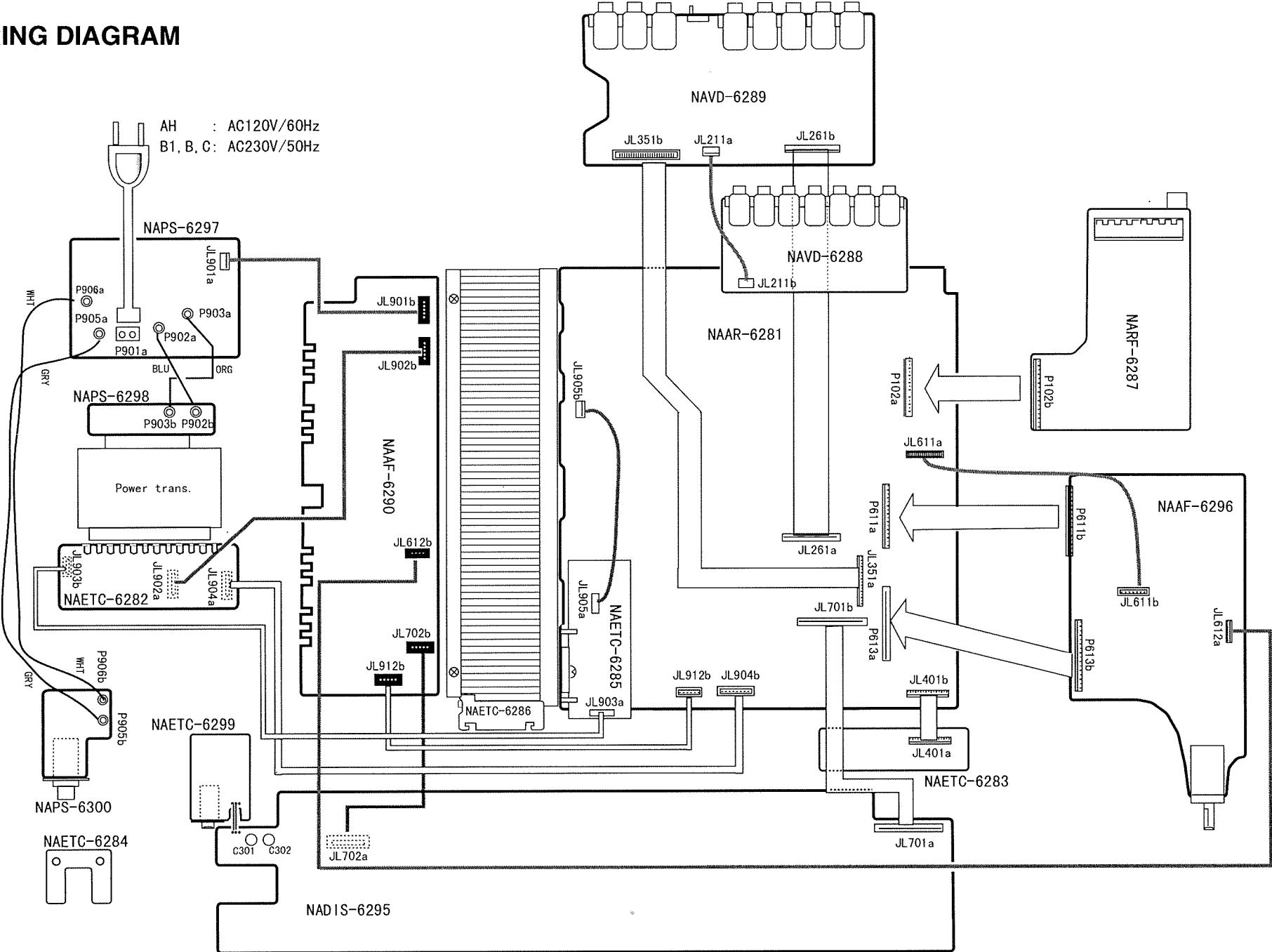
Table 2		
Operation	VIDEO-1V	VIDEO-2V
VIDEO-4	L	L
VIDEO-3	H	L
VIDEO-2	L	H
VIDEO-1	H	H

11	PLL	O	Chip enable output pin for PLL IC(Q121).
12	VOLC	O	Output pin of clock terminal for electric volume. (CENTER/SUBWOOFER level)
13	VOLS	O	Output pin of clock terminal for electric volume. (R-SUR/L-SUR level)
14	STB	O	Chip enable output pin for function switch. (Q301)
15	VOLUP	O	Volume control output pin. (Volume up)
16	VOLDOWN	O	Volume control output pin. (Volume down) Refer table 1.
17	RESET	-	System reset input pin.
18	VIDEO-2V	O	Video signal select output pin. Refer table 2.
19	VIDEO-1V	O	Video signal select output pin. Refer table 2.
20	AVSS	-	Ground pin of A/D converter.
21	MODE2	-	Initializing input of operation mode.
22	AREA	-	Initializing input of frequency-area. (8-area)
23	MODE1	-	Initializing input of operation mode.
24	IPM	-	Detect input pin of IPM operate. 8 ohm:H
25	K3	-	Operation key connection pin.
26	K2	-	Operation key connection pin.
27	K1	-	Operation key connection pin.
28	K0	-	Operation key connection pin.
29	AVDD	-	Analogue power supply of A/D converter. (+5V)
30	AVREF	-	Reference voltage input pin of A/D converter.
31	XT1	-	Crystal connection pin for sub system clock resonator. (to ground)
32	XT2	-	Crystal connection pin for sub system clock resonator. (open connection)
33	VSS	-	Ground pin.
34	X1	-	Crystal connection pin for main system clock resonator.
35	X2	-	Crystal connection pin for main system clock resonator.
36	TUMUT	O	Connect the ceramic osc.(4.19MHz)
37	REQ	O	Muting output pin for tuner section.
38	FRONTMUT	O	To connect the REQ terminal of Digital delay and Dolby IC.
39	SPAR2	O	Muting output pin for front amplifier.
40	SPARL	O	Muting output pin of center SP,LS and RS at speaker-A off.
41	POWER	O	Relay(Speaker-A) control output pin.
42	4/8 OUT	O	Power source control output pin. Power on: H
43	VMUT	O	Speaker impedance select output pin. 8 ohm: H
44	RDSSCK	O	Video signal muting output pin.
45	POFF	-	To connecting the SKG terminal of IC191(RDS -modulator).
46	PROTECT	-	Power stoppage detector input pin.
47	REMIN	-	Detector input pin of protection circuit.
48	IC	-	Remote-control signal input pin.
49	INH	-	Internal connection pin. Connect to the ground terminal.

Mute	:	H
Speaker-B on:	:	H

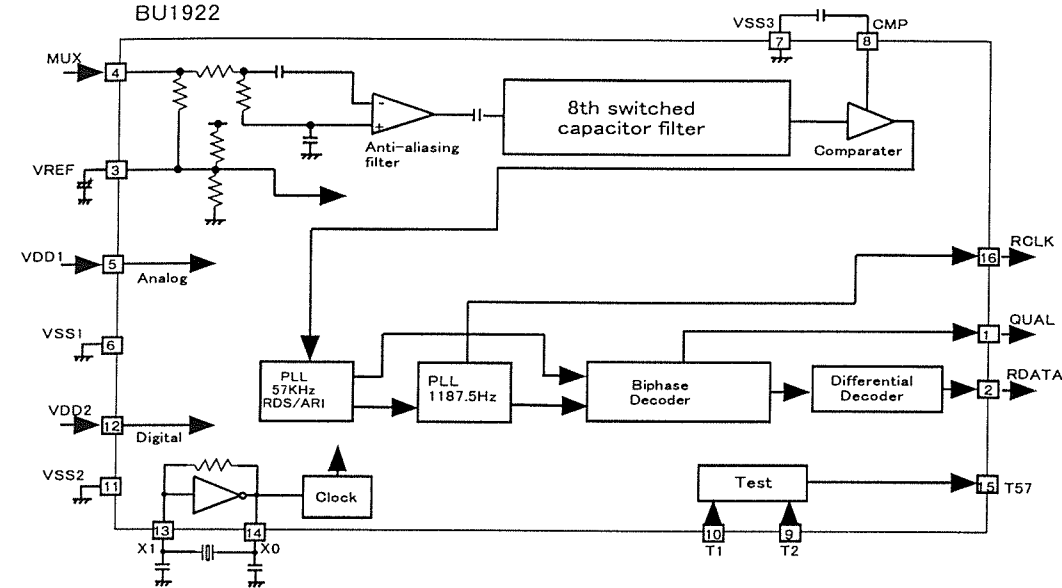
50	STBY/RECV	O	Standby and received indicator output pin.
51	TONED	O	Tone defeat control input pin.
52	VDD	-	Power supply pin (+5V).
53	STEREO	-	Detector input pin of FM stereo broadcast.
54	SD	-	Detector input pin of broadcast more than muting level.
55	RDSSIG	-	When RDSSEN=1: to connect the SIG-port of IC 191.
56	RDSDATA	-	When RDSSEN=1: to connect the DATA-port of IC 191.
57	P18/P4	O	Segment output pins. On at the high level.
70			
71	VLOAD	I	Pull down resistor connection pin of controller and driver of FL..
74	P4/P1	O	Segment output pins. On at the high level.
75	P1/13G	O	Segment output pins. On at the high level.
76	12G/1G	O	Grid output pins. On at the high level.
80			

WIRING DIAGRAM

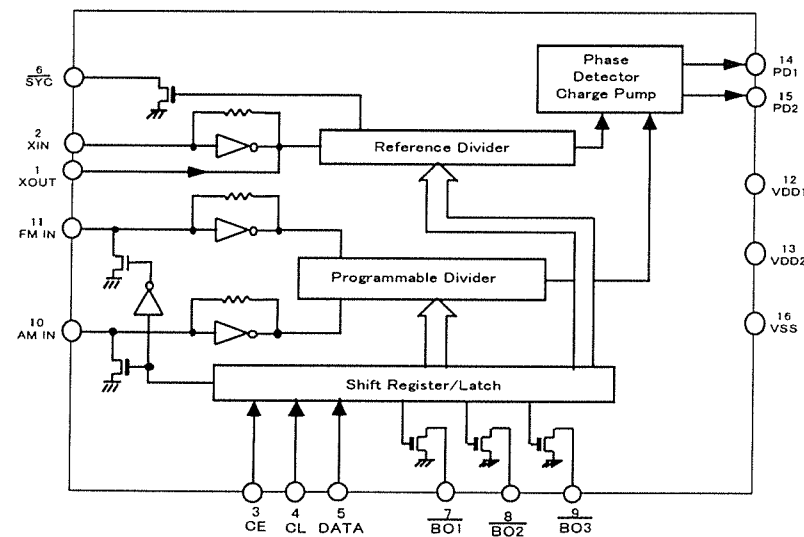


IC BLOCK DIAGRAM

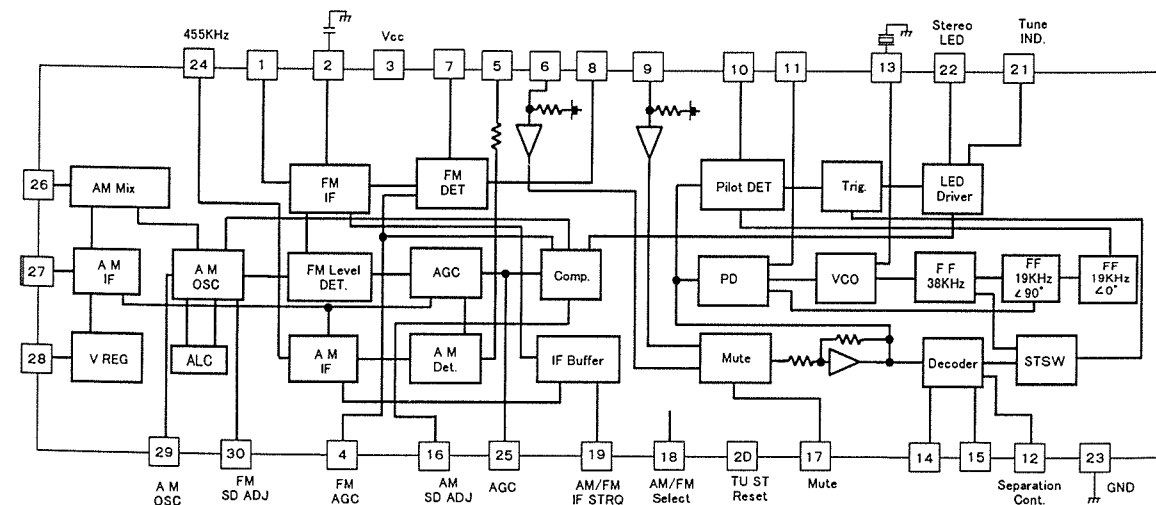
Q751: RDS DECODER
BU1922



Q121: PLL SYNTHESIZER AND CONTROLLER
LM7001

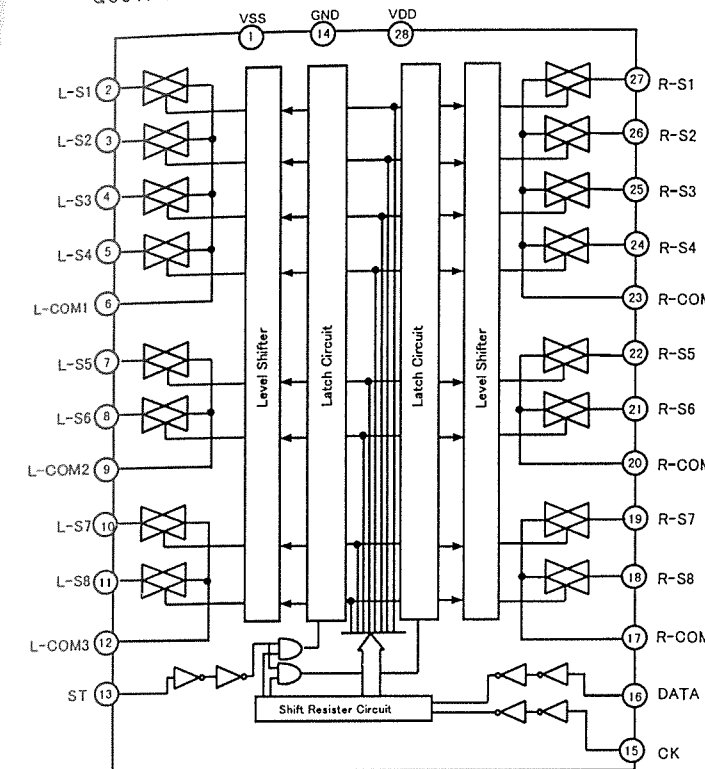


Q141: LA1851NF



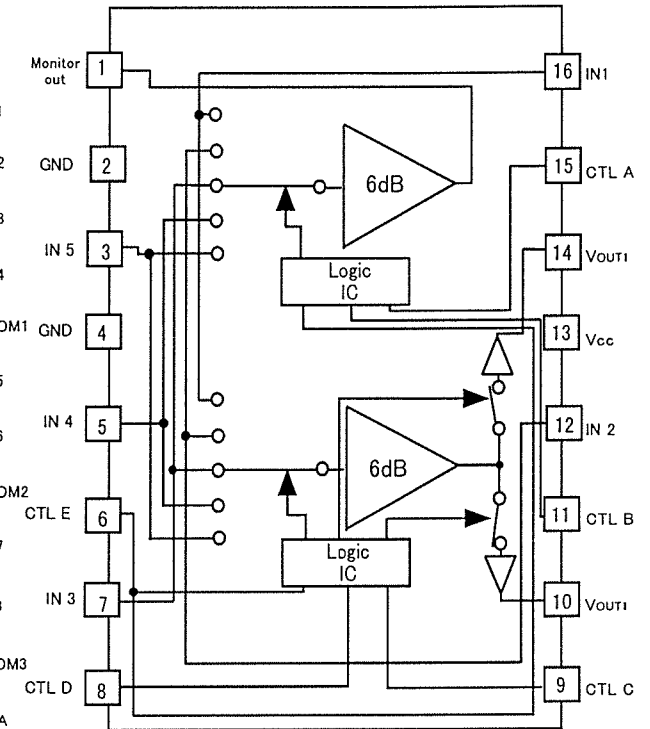
FUNCTION SELECT IC

Q301: TC9164AN

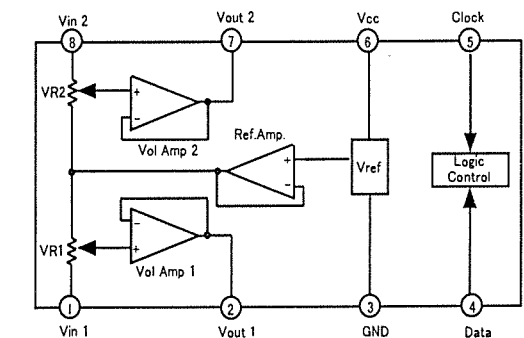


Q203: BA7625

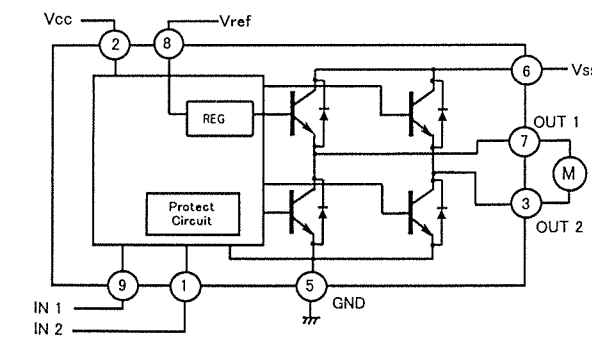
VIDEO SIGNAL SWITCHER



Q673/Q674 : M62429P
ELECTRONIC VOLUME

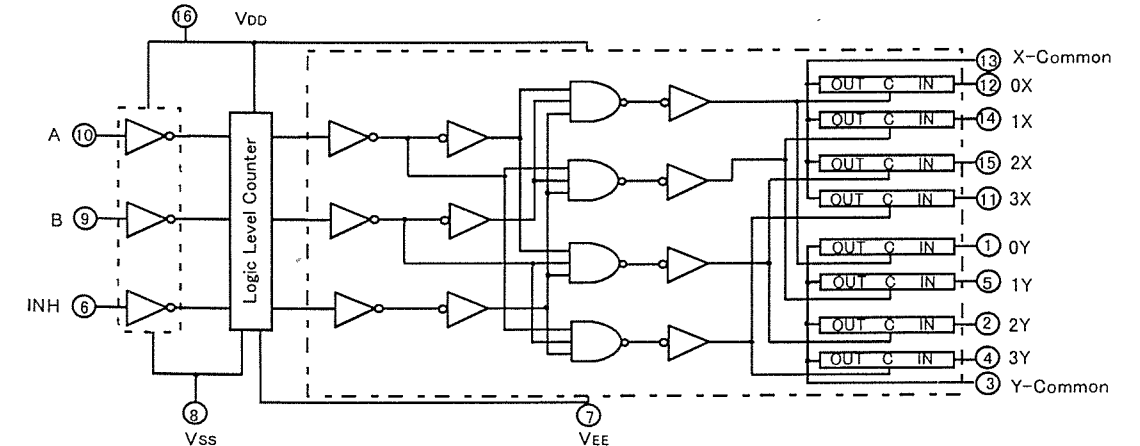


Q481: TA7291S
MOTOR DRIVER IC



VIDEO SIGNAL SELECTOR

Q251 : TC4052BP



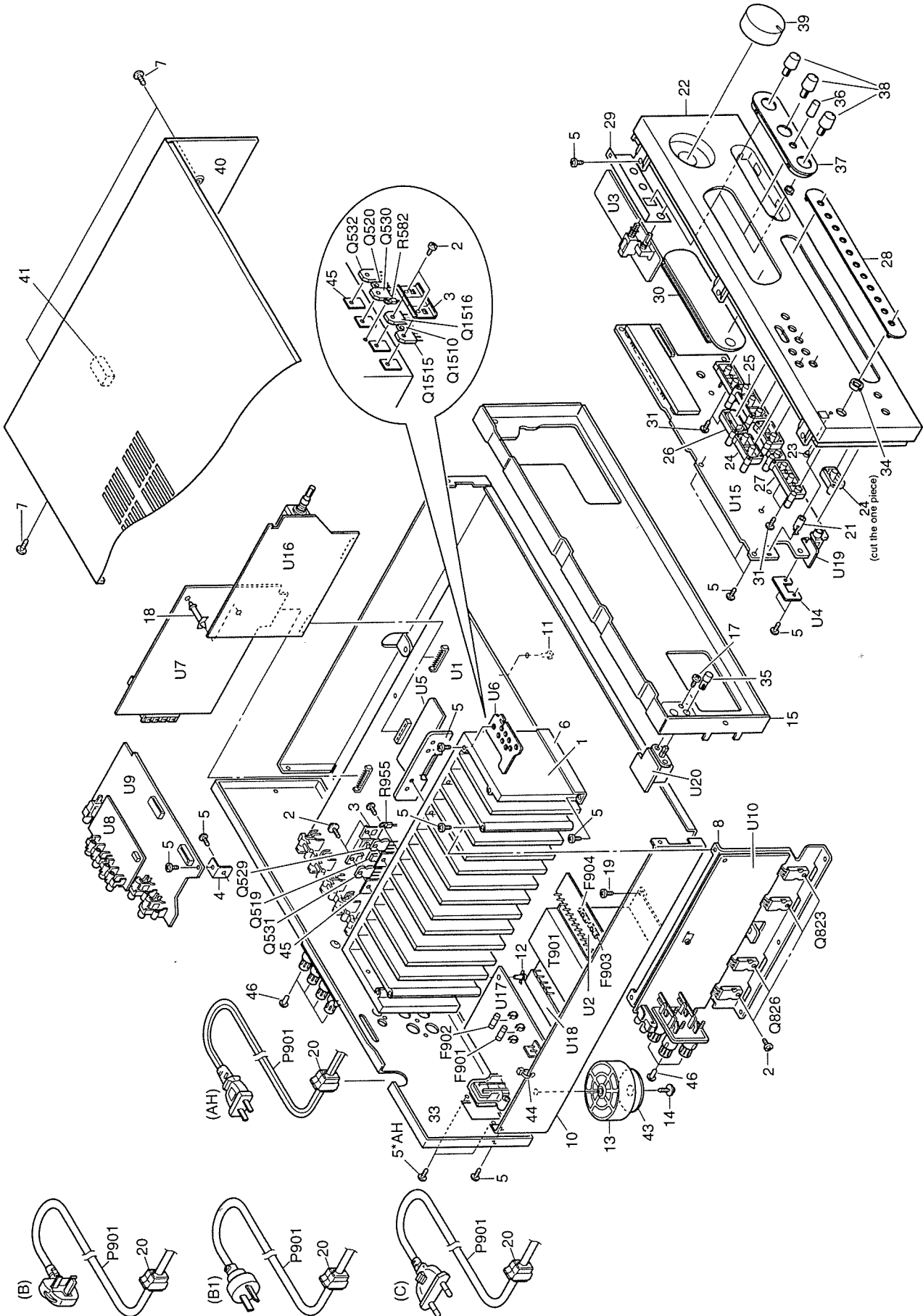
ELECTRICAL PARTS LIST

CIRCUIT No.	PART No.	DESCRIPTION
U1: Main PC Board (NAAR-6281)		
Capacitors		
C1502, C307, C308, C423, C424, C454	374721015	100pF ± 10%, 50V, Plastic
*B1, B, C		
C1503	354741019	100 μF, 16V, Elect.
C1504, C1505, C1517, C507-C510	354781009	10 μF, 50V, Elect.
C151, C152	354780109	1 μF, 50V, Elect.
C1511	374721044	0.1 μF ± 5%, 50V, Plastic
C1515, C1516	354771009	10 μF, 63V, Elect.
C370, C484, C519, C520	374721044	0.1 μF ± 5%, 50V, Plastic
C401, C402, C407, C408, C1501, C501, C502, C951, C952, C450, C452, C456, C465, C466	354742209	22 μF, 16V, Elect.
C403, C404, 451, C455, C463, C464, C503, C504	374721015	100pF ± 10%, 50V, Plastic
C409, C410	354780479	4.7 μF, 50V, Elect.
C411, C412, C521, C522, C1512	354744709	47 μF, 16V, Elect.
C481, C922, C923	354741009	10 μF, 16V, Elect.
C482, C505, C506	354732219	220 μF, 10V, Elect.
C483, C581	354721019	100 μF, 6.3V, Elect.
C525-C528	354774719	470 μF, 63V, Elect.
C915, C916	3504339	8200 μF, 56V, Elect.
C917	354753329	3300 μF, 25V, Elect.
C918	354754719	470 μF, 25V, Elect.
C926	354763309	33 μF, 35V, Elect.
C928, C929, C932	354781019	100 μF, 50V, Elect.
C954, C955	354734709	47 μF, 10V, Elect.
Diodes		
D481-D485, D571, D591, D923, D951, D952, D955-D957, D961-D966, D958	223163	1SS133
D501-D504	22380260 or 22380032 or 22380035	RL1N4003 or 1SR139-100 or GP104003E
D915-D921	224473304	MTZJ33D Zener
D922	224471802	MTZJ18B Zener
D959, D960	27141059	Retainer
E951		
Plugs		
JL401b	25055632	NPLG-11P594 Plug
JL612b	25055631	NPLG-10P593 Plug
Sockets		
JL701b	25050975 or 25051842	NSCT-35P762 or NSCT-35P1629
Wire holders		
JL351a	25051096	NSCT-12P883
JL904b	25051109	NSCT-5P896
JL905b	25051110	NSCT-6P897
JL906b	25051107	NSCT-3P894
JL912a	25051108	NSCT-4P895
Jacks		
P301	25045491	NPJ-4PDBL308 Pin jacks
P302	25045357 or 25045509	NPJ-2PDBL203 or NPJ-2PDBL324 Pin jack
P303, P304	25045565 or 25045508	NPJ-6PDBL380 or NPJ-6PDBL323 Pin jack
P501, P502, P1501	25055038 or 25045464	NPLG-2P29 or NPJ-2PDYE285 Pin jack
Speaker terminals		
P503	25060193	NTM-4PDMN115
P504	25060282	NTM-2PDMN213
Ics		
Q301	22240800	TC9164AN
Q401, Q410, Q411	22240247 or 22240293	BA15218N or NJM4558L-D
Q481	22240239	TA7291S
Q921	222780125NEC	78M12HF(MPC78M12HF)
Q921a	27160209	(RAD-67) Heat sink
Q921b	838430107	3TTB+10S(BC) screw
Q922	222790125	79M12HF
Q922a	27160227	(RAD-076) Heat sink
Q922b	838430107	3TTB+10S(BC) screw
Q923	222780565JRC	78M56(NJM78M56FA)
Q951	222502	NJM4558D-X
Transistors		
Q1501-Q1503, Q1511, Q1517, Q501-Q506, Q521,	2211733 or 2211732	2SC1845-E or 2SC1845-F

CIRCUIT No.	PART No.	DESCRIPTION
U2: Secondary circuit PC Board (NAETC-6282)		
Capacitors		
C907, C908-C910, C953	374721044	0.1 μF ± 5%, 50V, Plastic
C911-C914	374731044	0.1 μF ± 5%, 100V, Plastic
Resistors		
R903, R904	453530224	2.2 Ω ± 5%, 1/2W, Metal
Fuses		
F903, F904*AH	252163	4A-UL/T-237
F903, F904*B1, B, C	252077	4A-SE-EAK
Others		
JL902a	25051107	NSCT-3P894
JL903a	25051112	NSCT-8P899
JL904a	25051109	NSCT-5P896
P903	2069925105UL	CRIMP AS
U3: Tone control PC Board (NAETC-6283)		
Capacitors		
C413, C414	374722734	0.027 μF ± 5%, 50V, Plastic
C415, C416	374721244	0.12 μF ± 5%, 50V, Plastic
C417, C418	374724724	4700pF ± 5%, 50V, Plastic
C419, C420	374722224	2200pF ± 5%, 50V, Plastic
C421, C422	374722234	0.022 μF ± 5%, 50V, Plastic

NOTE:
Replacement of the transistor of mark *, if necessary, must be made from the same beta (HFE) as the original type.

EXPLODED VIEW



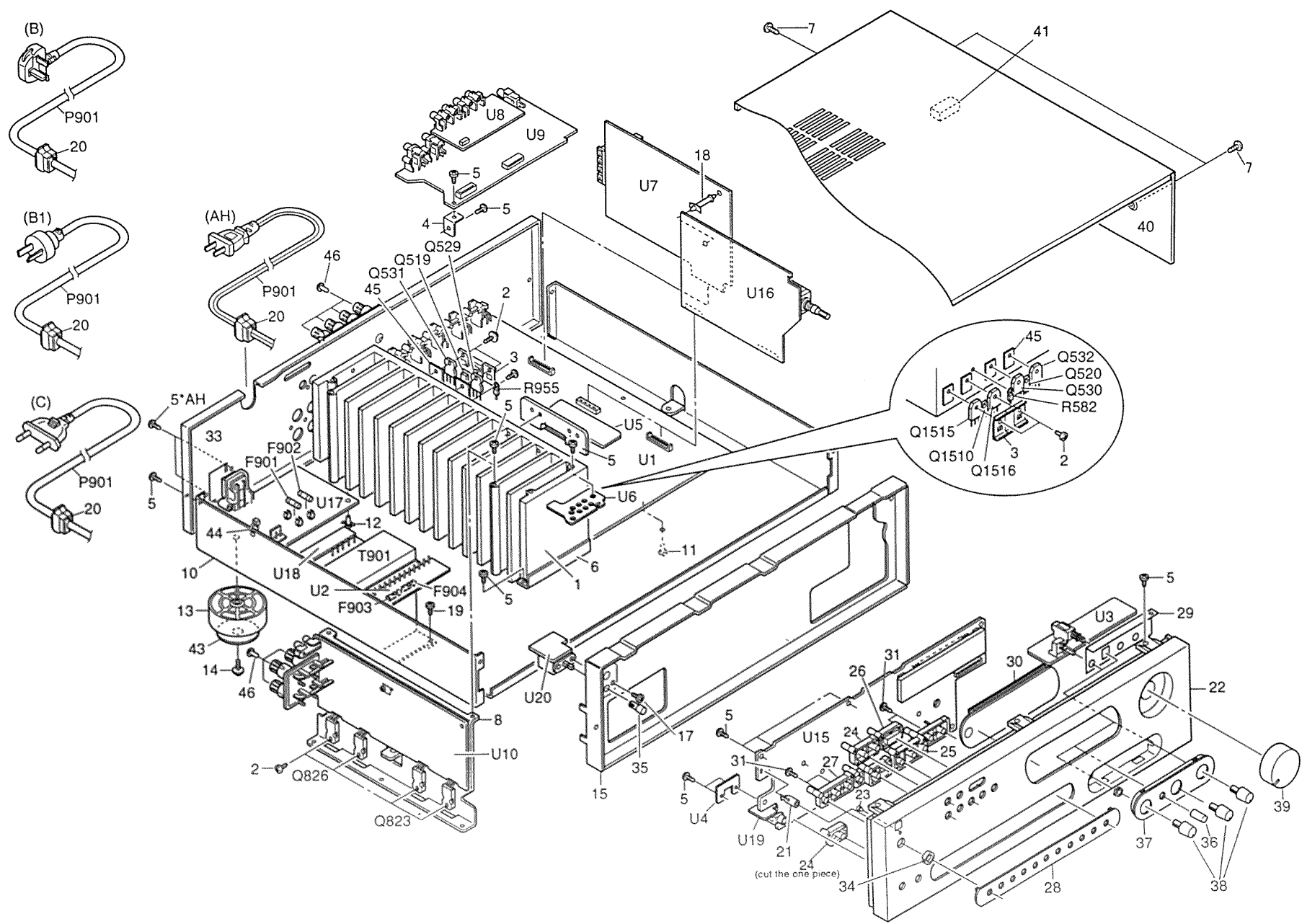
CIRCUIT No.	PART No.	DESCRIPTION
Switches		
S401	25035698	NPS-123-L661 (Tone defeat)
Resistors		
R400	5121440	N11RLC100KWT20Z
R435/R436	5132439	N14RGLC100KC20Z (Bass)
R437/R438	5132438	N14RGLC50KC20Z (Treble)
Others		
JL401a	25051095	NSCT-11P882 Wire holder
U5: Rectifier circuit PC Board (NAETC-6285)		
Diodes		
D907	22380281	△ RS604
D907a	27160166	HEAT-SINK for D907
D907b	82143015	3P+15FN(BC) Screw
D908	22380274 or	△ Diode RS603M or
	22380038	RBV602
D908a	27160419	Heat sink for SCR(D902)
D908b	838430107	3TTB+10S(BC) Screw
D912-D913	226065	SF8JZ47
Transistors		
Q911,Q913	2211455	2SA1015-GR
Q912,Q914	2211255	2SC1815-GR
Others		
JL903b	25050272	NSCT-8P100 Socket
JL905a	25051110	NSCT-6P897 Wire holder
U7: Tuner Circuit PC Board (NARF-6287)		
Capacitors		
C101,C133,C142	354741019	100 μ F,16V,Elect.
C127,C217	354721019	100 μ F,6.3V,Elect.
C130,C159,C177	354780229	2.2 μ F,50V,Elect.
C131	374722234	0.022 μ F±5%,50V,Plastic
C132,C153	354783399	0.33 μ F,50V,Elect.
C145,C149	354780479	4.7 μ F,50V,Elect.
C146	374723324	3300pF±5%,50V,Plastic
C147*AH	374721534	0.015 μ F±5%,50V,Plastic
C154,C162,C166,	354781009	10 μ F,50V,Elect.
C171,C172		
C155,C156*AH	374721134	0.011 μ F±5%,50V,Plastic
C160	354784799	0.47 μ F,50V,Elect.
C168	374724734	0.047 μ F±5%,50V,Plastic
C173,C174	374722724	2700pF±5%,50V,Plastic
C187,C188	374721224	1200pF±5%,50V,Plastic
Diodes		
D165	224470512	MTZJ5.1B Zener
Coils		
L101	233457	NFIF-4081 IF Transformer
L102	233458	NFIF-4082 IF Transformer
L103*B1,B,C	233471	NMC-6084
L104	233454M022	NCH-1452 022M Choke coil
L105	232174	NMRF-5077 RF coil
L106	232139	NMIF-4062 IF Transformer
L107,L108	233484	NMC-4085 MPX coil
Terminals		
P111	25055038	NPLG-2P29 Plug
P101*AH	25060239 or	NTM-4PDML161 or
	25060195	NTM-4PDML117 Antenna terminal
P101*B1,B,C	25060222 or	NTM-2PDML144 or
	25060117	NTM-2PDML051 Antenna terminal
P102a	25055651	NPLG-12P607 plug
ICs		
Q121	22241076 or	LM7001J or
	22240090	LM7001
	22240983	LA1851N-F
Transistors		
Q123	2212445	2SK365-GR
Q173,Q174	2215024	2SD1468S-R
Q101,Q102	2215063	TR 2SC2669-0
Q103,Q104*B1,B,C	2215063	TR 2SC2669-0
Q143	221282 or	DTC144ES or
	2213560	RN1204
Q124,Q171,Q172	2213284 or	2SC1740S-R or
	2212115	2SC2458-GR
Q122,Q142,Q175	2213510 or	DTA114ES or
	2214350	RN2202
Q144	2213640 or	DTC123JS or
	2214660	RN1205
Q182*B1,B,C	2213284	2SC1740S-R
Trims		
R150	5210261	N06HR5KBC
R158	5210264	N06HR30KBC
Filters		
X101	3010071	SFE-10.7MA5 Ceramic filter
X103*AH	3010071	SFE-10.7MA5 Ceramic filter
X103*B1,B,C	3010130	SEF10.7M22K Ceramic filter
X102*B1,B,C	3010071	SEF-10.7MA5 Ceramic filter
X104	3010268	CSB456F23 Ceramic filter
X105	3010123	SFZ450JL Ceramic filter

CIRCUIT No.	PART No.	DESCRIPTION
Others		
TU101*AH	240098	ENV172D1G1 Frontend
TU101*B1,B,C	240089	FE415-G11 Frontend
TU101a*AH	27150435	Shield plate for antenna terminal
TU101a*B1,B,C	27150397	Shield plate for antenna terminal
X121	3010141	XTL-7.2MHz Resonator
U8: Video circuit PC Board (NAVD-6288)		
Capacitors		
C211,C212-C214	354780479	4.7 μ F,50V,Elect.
C215,C216	354724719	470 μ F,6.3V,Elect.
C245	354722219	220 μ F,6.3V,Elect.
Diodes		
D203,D204,D207,	223163 or	1SS133 or
D208	223205	1SS270A
Jacks		
P203,P204	25045363 or	NPJ-3PDYE208 or
	25045506	NPJ-3PDYE321
ICs		
Q203	22240373	BA7625
Transistors		
Q209,Q222	2213354 or	2SA933S-R or
	2212125	2SA1048-GR
Q210,Q211	2212286 or	2SC2878-B or
	2212285	2SC2878-A
Q212	2213640 or	221466 DTC123JS or RN1205
Others		
JL211b	25055626	NPLG-5P588 Plug
JL261a	25050959 or	NSCT-19P746 or
	25051826	NSCT-19P1613 Socket
U9: Pre-amplifier PC Board (NAVD-6289)		
Capacitors		
C247,C248	374721044	0.1 μ F±5%,50V,Plastic
C271,C272	354721019	100 μ F,6.3V,Elect.
C351,C352,	354742209	22 μ F,16V,Elect.
C355-C358		
C391	354742219	220 μ F,16V,Elect.
Diodes		
D391,D392	223163 or	1SS133 or
	223205	1SS270A
Jacks		
P251	25045565 or	NPJ-6PDBL380 or
	25045508	NPJ-6PDBL323
P252,P351	25045491	NPJ-4PDBL308
P352	25045357 or	NPJ-2PDBL203 or
	25045509	NPJ-2PDBL324
ICs		
Q225	222780055JRC	78M05(NJM78M05FA)
Q251	222840521TOS	4052B(TC4052BP)
Q351	22240293 or	NJM4558L-D or
	22240247	BA15218N
Transistors		
Q361-Q366	2212286 or	2SC2878-B or
	2212285	2SC2878-A
Q367	2213631	RN1241-A
Q391	2213510 or	DTA114ES or
	2214350	RN2202
Q392	2213284 or	2SC1740S-R or
	2212115	2SC2458-GR
Switches		
S351	25065286	NSS-22112 Soft clipping
Others		
JL211a	25051089	NSCT-5P876 Wire holder
JL261b	25051863	NSCT-19P1650 Socket
JL351b	25055633	NPLG-12P595 plug
U10: Surround amplifier PC Board (NAAF-6290)		
Capacitors		
C796	374721044	0.1 μ F±5%,50V,Plastic
C801,C802	354742209	22 μ F,16V,Elect.
C805,C806	354744709	47 μ F,16V,Elect.
C807,C808	354741019	100 μ F,16V,Elect.
C815,C816,C819,	354781009	10 μ F,50V,Elect.
C820,C835		
C823,C824	374724734	0.047 μ F±5%,50V,Plastic
C827,C828	354764709	47 μ F,35V,Elect.
C834	354780109	1 μ F,50V,Elect.
C924,C925	3504345	4700 μ F,35V,Elect.
Diodes		
D911	22380021	RS403L
E801	27141059	Retainer
Transistors		
Q801,Q802,Q809,	2211733 or	2SC1845-E or
Q810,Q827-Q830	2211732 or	2SC1845-F or
	2215116	2SC1775-F
Q803-Q806,	2211353 or	2SA949-O or
Q813-Q814	2211354	2SA949-Y
Q807,Q808,Q817,	2211633 or	2SC2229-O or
Q818	2211634	2SC2229-Y

CIRCUIT No.	PART No.	DESCRIPTION
Q811,Q812,Q815,	2213284 or	2SC1740S-R or
Q816	2212115	2SC2458-GR
Q819,Q820,Q821,	2215163 or	2SD667A-C or
Q822	2211654	2SC2235-Y
Resistors		
R823-R826,R835,	443526804	△ 68 Ω ±5%,1/2W,Metal oxide
R836		
R833,R834	443525604	△ 56 Ω ±5%,1/2W,Metal oxide
R841,R842	443521014	△ 100 Ω ±5%,1/2W,Metal oxide
R843-R846,R859,	453530224	△ 2.2 Ω ±5%,1/2W,Metal
R860		
R847,R848	4800047	RGC22-0.1 OHM X2
R855,R856	453630824	△ 8.2 Ω ±5%,1W,Metal
Others		
JL702b	25055626	NPLG-5P588 Plug
JL901b	25055624	NPLG-3P586 Plug
JL902b	25050267	NSCT-3P95 Socket
JL912b	25050268	NSCT-4P96 Socket
P801,P802	25055038	NPLG-2P29 Plug
P803	25060147	NTM-4PDMN075 Terminal
U15: Display circuit PC Board (NADIS-6295)		
Capacitors		
C701,C703,C707	354780109	1 μ F,50V,Elect.
C702	354781009	10 μ F,50V,Elect.
C704,C706,C710,	354721019	100 μ F,6.3V,Elect.
C714,C719		
C709	375524744	0.47 μ F±5%,50V,Plastic
C712	3000076	EECS5R5T104
C751*B1,B,C	354780229	2.2 μ F,50V,Elect.
C753*B1,B,C	354721019	100 μ F,6.3V,Elect.
C758	354781099	0.1 μ F,50V,Elect.
Diodes		
D701	224470913	MTZJ9.1C Zener
D702,D704-D710,	223163	1SS133
D752-D755		
D703	225292D	SEL4310G-D LED
D707	224470562	MTZJ5.6B Zener
D751*B1,B,C	223163	1SS133
Coils		
L701-L703,L751	233454K220	NCH-1452 220K
FL tube		
Q701	212188	12-BT-94GK
Q701a	27190953	(FL Tube Holder)
Transistors		
Q702,Q703,Q704	2213284	2SC1740S-R
Q706	2213160	DTC124ES
Q707	24130011	PIC-12043TE2 Remote sensor
ICs		
Q705	22241216	μ PD78043FGF-051
Q751*B1,B,C	22241124	BU1922
Q752	22241266	Z86C0812PSC-R2536
Q753	222740005	74HC00P
R753*AH	417341034	R16J-10K
Switches		
S701-S721	25035675	NPS-111-111-S628
Filters		
X701	3010163	CST4.19MGW Ceramic filter
X752	3010252	CST12.0MTW Cera. lock
Resonator		
X751*B1,B,C	3010203	AF6146CG
Others		
JL701a	25050975 or	NSCT-35P762 or
	25051842	NSCT-35P1629
JL702	5J200606B15	JL5 200B(6-6)
JL702a	25051089	NSCT-5P876
U16: Main volume circuit (NAAF-6296)		
Capacitors		
C601,C602,C621,	354780229	2.2 μ F,50V,Elect.
C624,C650,C669,		
C670,C674		
C605,C606,C660	354781009	10 μ F,50V,Elect.
C607-C610,	374721044	0.1 μ F±5%,50V,Plastic
C654,C655		
C611,C612	374726814	680pF±5%,50V,Plastic
C613,C614,C622,	354780479	4.7 μ F,50V,Elect.
C634,C635		
C616,C919,C677	354742209	22 μ F,16V,Elect.
C617	374724724	4700pF±5%,50V,Plastic
C618,C657	354744709	47 μ F,16V,Elect.
C620,C647,C648,	354741009	10 μ F,16V,Elect.
C649,C663,C663,		
C667,C668,		
C671-C673		
C823,C632,C638,	354781099	0.1 μ F,50V,Elect.
C625		
C627,C652,C653	354722219	220 μ F,6.3V,Elect.
	374725614	560pF±5%,50V,Plastic

CIRCUIT No.	PART No.	DESCRIPTION
C628	374721024	1000pF ±5%,50V,Plastic
C629,C656	374725624	5600pF ±5%,50V,Plastic
C630,C639,C640, C658,C659	374724734	0.047 μ F ±5%,50V,Plastic
C631	354786899	0.68 μ F,50V,Elect.
C633,C636,C637	354782299	0.22 μ F,50V,Elect.
C643,C644	374722234	0.022 μ F ±5%,50V,Plastic
C651	374722224	2200pF ±5%,50V,Plastic
C661,C662,C685, C686	354721019	100 μ F,6.3V,Elect.
C664	354741019	100 μ F,16V,Elect.
C676-C691	354741009	10 μ F,16V,Elect.
Diodes		
D651	224470682	MTZJ6.8B Zener
D652-D659,D661, D662	223163	1SS133
Ics		
Q601,Q603, Q671-Q672	222502	NJM4558D-X
Q602	22241053	NJW1102AF
Q605	22240799	TC9163AN
Q651	22240995	NJU9702
Q673,Q674	22241054	M62429FP
Transistors		
Q652	2215163	2SD667A-C
Q653,Q654	2215196	2SK364-BL
Q677,Q678	2213631	RN1241-A
Resistors		
R696	5104392A	N16RFL50KA25F (Electrical volume)
Filters		
X651	3010217	CST2.04MG040
Others		
JL611	0J150606B15	JL10 150B(6-6) Jumper lead
JL612	3J450606B15	JL3 450B(6-6) Jumper lead
JL612b	25055624	NPLG-3P586 Plug
JL611a	25051094	NSCT-10P881 Wire holder
JL612a	25051087	NSCT-3P874 Wire holder
P611a	25055708	NPLG-12P664 Plug
P611b	25051237	NSCT-12P1027 Socket
P613a	25055654	NPLG-18P610 Plug
P613b	25050988	NSCT-18P775 Socket
U17: Power supply PC Board (NAPS-6297)		
Capacitors		
C901	354743319	330 μ F,16V,Elect.
C902	3500191	△ DE7150F-103M IS C
C902a*B1,B,C	27301216	SB1925A Cover for C902
Diodes		
D901	223163	1SS133
D902-D905	22380032	△ 1SR139-100
E901	27141059	Retainer(Ground)
Fuse		
F901*AH	252164	△ 5A-UL/T-237,Fuse
F902*B1,B,C	252075	△ 2.5A-SE-EAK,Fuse
F903,F904*AH	252163	△ 4A-UL/T-237,Fuse
F903,F904*B1,B,C	252077	△ 4A-SE-EAK,Fuse
Fuse holders		
F901a,F902a, F903,F904	25050065	YSH403T
Transistors		
Q901	2213640	DTC123JS
Resistors		
R901*B1,B,C	453530824	△ 8.2Ω ±5%,1/2W,Metal
R902*AH	45133355	△ RC1-2GFKUL-3.3M
Power transformers		
T902*B1,B,C	2300671A	△ NPT-1111P TX906MP
T902*AH	2301258 or 2300670A	△ NPT-1294D or NPT-1111D TX906MD
Others		
JL901	3J150606B15	JL3 150 B(6-6) Jumper lead
JL901a	25051087	NSCT-3P874 Wire holder
JL906a	25051107	NSCT-3P894 Wire holder
P901a	25055675	NPLG-2P631 Plug
P907*AH	25051126	△ NSCT-4P913 Socket(AC outlet)
RL901	25065515	△ NRL-1P5A-DC12-096 Relay
U19: Headphone terminal PC Board (NAETC-6299)		
P301	25045255	YKB26-5009 Head phone
U20: Power switch PC Board (NAPS-6300)		
Capacitors		
C903	3500191	△ DE7150F-103M IS C
C903a	27301216	SB1925A Capacitor cover
Switch		
S901	25035550	△ NPS-111-L512P (Power)

EXPLODED VIEW

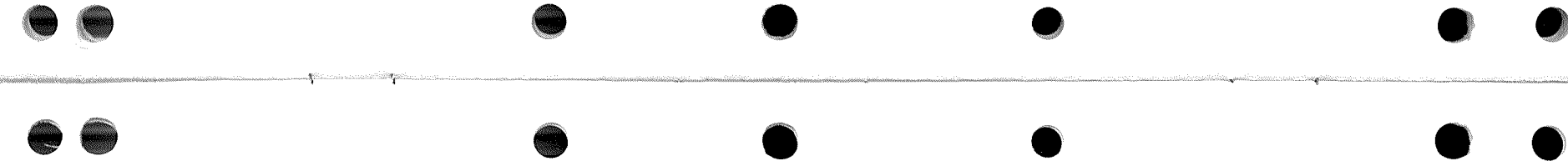


EXPLODED VIEW PARTS LIST

REF. NO.	PART NO.	Q'ty	DESCRIPTION	REF. NO.	PART NO.	Q'ty	DESCRIPTION
1	27160375A	1	Heat sink (Main amp.)	34	27267995	1	Guide, Power
2	801433	10	3SMS8W.SW+14B(BC), Special screw	35	28325604	1	Button, Power
3	27141719	3	Retainer	36	28325610	1	Button, Defeat
4	27141530A	1	Retainer HS-2(U-9 Pre amplifier PCB)	37	27215309	1	Decorative frame, Tone/Balance
5	838130088	58	3TTB+8B, Self-tapping screw	38	28325609	3	Knob, Bass/Treble/ Balance
5*AH	838130088	2	3TTB+8B, Self-tapping screw(AC outlet)	39	28325611	1	Knob, Volume
6	27141671	1	Retainer (Main heat sink)	40	28184737	1	Top cover
7	838430088	6	3TTB+8B(BC), Self-tapping screw(Top cover)	41	28140265	1	Cushion
8	27160376	1	Heat sink (Rear amp.,Surr amp.)	43	28141332	4	Cushion (Leg)
10	27100320C	1	Chassis	44	260208	4	Wire tie
11	27191044	2	KGPS-8RF, Holder	45	223021	10	Isolation sheet
12	27190266	1	KGLS-12RF, Holder	46*B1, B, C	880048	10	Plastic rivet
13	27175320	4	Leg	F901*AH	252164	1	△ 5A-UL/T-237,Fuse
14	831130088	4	3TTW+8B, Self-tapping screw for Leg	F902*B1	252075	1	△ 2.5A-SE-EAK,Fuse
15	27111073	1	Front bracket	F902*B	252075	1	△ 2.5A-SE-EAK,Fuse
17	838430107	2	3TTB+10S(BC), Self-tapping screw (Power SW.)	F902*C	252075	1	△ 2.5A-SE-EAK,Fuse
18	27190607	1	KGLS-16S, Holder	F903,F904*AH	252163	1	△ 4A-UL/T-237,Fuse
19	830440089	4	4TTC+8C(BC), Self-tapping screw	F903,F904*B1, B, C	252077	1	△ 4A-SE-EAK,Fuse
20	27300750	1	△ Bushing, cord	P901*AH	253192HIT	1	△ AS-UC-6#18(SPT-2),Power supply cord
21	27191051	1	Holder LED	P901*B1	253197HIT	1	△ AS-SAA,Power supply cord
22*AH	27212000	1	Front panel	P901*B	253198HIT	1	△ AS-BS,Power supply cord
22*B1, B, C	27212037	1	Front panel	P901*C	253193HIT	1	△ AS-CEE,Power supply cord
23	28198858	1	Facet	R582	4000150	1	PTH9M04BC222TS2F333,Thermistor
24	28325605	3	DUO Button	R955	4000151	1	PTH9M04BD222TS2F333,Themistor
25	28325606	1	TRIO Button	T901*AH	2301348	1	△ NPT-1344D,Power transformer
26	28325607	1	RACKER Button	T901*B1,B,C	2301349A	1	△ NPT-1344P,Power transformer
27	28325608	4	INPUT Button				
28	27215308	1	Decorative frame				
29	27150431	1	Shield plate				
30	28191834	1	Clear plate				
31	838126068 or 833426068 or 834426068	23	2.6TTB+6B or 2.6TTP+6B(BC) or 2.6TTS+6B(BC), Self-tapping screw				
33*B1, B, C	27122476	1	Rear panel				
33*AH	27122475	1	Rear panel				

EXPLODED VIEW PARTS LIST

REF. NO.	PART NO.	Q'ty	DESCRIPTION	REF. NO.	PART NO.	Q'ty	DESCRIPTION
1	27160375A	1	Heat sink (Main amp.)	34	27267995	1	Guide, Power
2	801433	10	3SMS8W.SW+14B(BC), Special screw	35	28325604	1	Button, Power
3	27141719	3	Retainer	36	28325610	1	Button, Defeat
4	27141530A	1	Retainer HS-2(U-9 Pre amplifier PCB)	37	27215309	1	Decorative frame, Tone/Balance
5	838130088	58	3TTB+8B, Self-tapping screw	38	28325609	3	Knob, Bass/Treble/ Balance
5*AH	838130088	2	3TTB+8B, Self-tapping screw(AC outlet)	39	28325611	1	Knob, Volume
6	27141671	1	Retainer (Main heat sink)	40	28184737	1	Top cover
7	838430088	6	3TTB+8B(BC), Self-tapping screw(Top cover)	41	28140265	1	Cushion
8	27160376	1	Heat sink (Rear amp.,Surr amp.)	43	28141332	4	Cushion (Leg)
10	27100320C	1	Chassis	44	260208	4	Wire tie
11	27191044	2	KGPS-8RF, Holder	45	223021	10	Isolation sheet
12	27190266	1	KGLS-12RF, Holder	46*B1, B, C	880048	10	Plastic rivet
13	27175320	4	Leg	F901*AH	252164	1	⚠ 5A-UL/T-237,Fuse
14	831130088	4	3TTW+8B, Self-tapping screw for Leg	F902*B1	252075	1	⚠ 2.5A-SE-EAK,Fuse
15	27111073	1	Front bracket	F902*B	252075	1	⚠ 2.5A-SE-EAK,Fuse
17	838430107	2	3TTB+10S(BC), Self-tapping screw (Power SW.)	F902*C	252075	1	⚠ 2.5A-SE-EAK,Fuse
18	27190607	1	KGLS-16S, Holder	F903,F904*AH	252163	1	⚠ 4A-UL/T-237,Fuse
19	830440089	4	4TTC+8C(BC), Self-tapping screw	F903,F904*B1, B, C	252077	1	⚠ 4A-SE-EAK,Fuse
20	27300750	1	⚠ Bushing, cord	P901*AH	253192HIT	1	⚠ AS-UC-6#18(SPT-2),Power supply cord
21	27191051	1	Holder LED	P901*B1	253197HIT	1	⚠ AS-SAA,Power supply cord
22*AH	27212000	1	Front panel	P901*B	253198HIT	1	⚠ AS-BS,Power supply cord
22*B1, B, C	27212037	1	Front panel	P901*C	253193HIT	1	⚠ AS-CEE,Power supply cord
23	28198858	1	Facet	R582	4000150	1	PTH9M04BC222TS2F333,Thermistor
24	28325605	3	DUO Button	R955	4000151	1	PTH9M04BD222TS2F333,Themistor
25	28325606	1	TRIO Button	T901*AH	2301348	1	⚠ NPT-1344D,Power transformer
26	28325607	1	RACKER Button	T901*B1,B,C	2301349A	1	⚠ NPT-1344P,Power transformer
27	28325608	4	INPUT Button				
28	27215308	1	Decorative frame				
29	27150431	1	Shield plate				
30	28191834	1	Clear plate				
31	838126068 or	23	2.6TTB+6B or				
	833426068 or		2.6TTP+6B(BC) or				
	834426068		2.6TTS+6B(BC), Self-tapping screw				
33*B1, B, C	27122476	1	Rear panel				
33*AH	27122475	1	Rear panel				



REF. NO.	PART NO.	Q'ty	DESCRIPTION	REF. NO.	PART NO.	Q'ty	DESCRIPTION
U1*AH	1A775581-1A	1	NAAR-6281-1A,Main circuit PC board ass'y	U1*B1, B, C	1A775581-1B	1	NAAR-6281-1B,Main circuit PC board ass'y
U2*AH	1A775582-1A	1	NAETC-6282-1A,Secondary circuit PC board ass'y	U2*B1, B, C	1A775582-1B	1	NAETC-6282-1B,Secondary circuit PC board ass'y
U3*AH	1A775583-1A	1	NAETC-6283-1A,Tone control PC board ass'y	U3*B1, B, C	1A775583-1B	1	NAETC-6283-1B,Tone control PC board ass'y
U4*AH	1A775584-1A	1	NAETC-6284-1A,Terminal PC board	U4*B1, B, C	1A775584-1B	1	NAETC-6284-1B,Terminal PC board
U5*AH	1A775585-1A	1	NAETC-6285-1A,Rectifier circuit PC board ass'y	U5*B1, B, C	1A775585-1B	1	NAETC-6285-1B,Rectifier circuit PC board ass'y
U6*AH	1A775584-1A	1	NAETC-6286-1A,Terminal PC board	U6*B1, B, C	1A775584-1B	1	NAETC-6286-1B,Terminal PC board
U7*AH	1A775587-1A	1	NARF-6287-1A,Tuner circuit PC board ass'y	U7*B1, B, C	1A775587-1B	1	NARF-6287-1B,Tuner circuit PC board ass'y
J8*AH	1A775588-1A	1	NAVD-6288-1A,Video circuit PC board ass'y	U8*B1, B, C	1A775588-1B	1	NAVD-6288-1B,Video circuit PC board ass'y
J9*AH	1A775589-1A	1	NAVD-6289-1A,Pre., amplifier PC board ass'y	U9*B1, B, C	1A775589-1B	1	NAVD-6289-1B,Pre., amplifier PC board ass'y
J10*AH	1A775590-1A	1	NAAF-6290-1A,Surround amplifier PC board ass'y	U10*B1, B, C	1A775590-1B	1	NAAF-6290-1B,Surround amplifier PC board ass'y
J15*AH	1A775595-1A	1	NADIS-6295-1A,Display circuit PC board ass'y	U15*B1, B, C	1A775595-1B	1	NADIS-6295-1B,Display circuit PC board ass'y
J16*AH	1A775596-1A	1	NAAF-6296-1A,Main volume circuit PC board ass'y	U16*B1, B, C	1A775596-1B	1	NAAF-6296-1B,Main volume circuit PC board ass'y
J17*AH	1A775597-1A	1	NAPS-6297-1A,Power supply circuit PC board ass'y	U17*B1, B, C	1A775597-1B	1	NAPS-6297-1B,Power supply circuit PC board ass'y
J18*AH	1A775598-1A	1	NAPS-6298-1A,Transformer PC board ass'y	U18*B1, B, C	1A775598-1B	1	NAPS-6298-1B,Transformer PC board ass'y
J19*AH	1A775599-1A	1	NAETC-6299-1A,Headphone terminal PC board ass'y	U19*B1, B, C	1A775599-1B	1	NAETC-6299-1B,Headphone terminal PC board
J20*AH	1A775500-1A	1	NAPS-6300-1A,Power switch PC board ass'y	U20*B1, B, C	1A775500-1B	1	NAPS-6300-1B,Power switch PC board ass'y

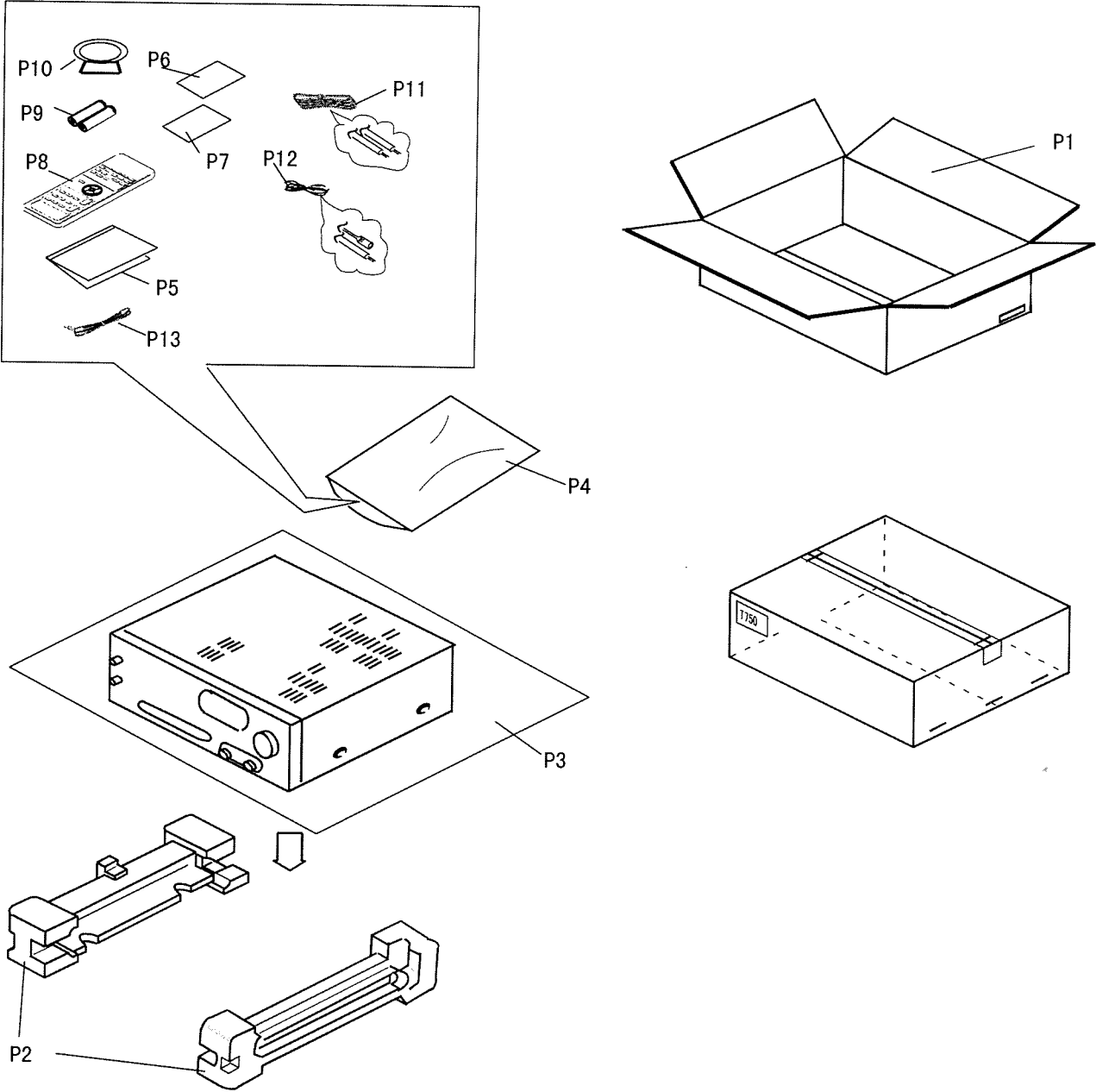
NOTE: THE COMPONENTS IDENTIFIED BY MARK ⚠ ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBER SPECIFIED.

NOTE:

- <AH> U.S.A. and Canadian models only
- U.K. model only
- <B1> Australian model only
- <C> European model only

NOTE: Replacement of the transistor of mark *, if necessary, must be made from the same beta group (HFE) as the original type.

PACKING DIAGRAM



Parts List

REF. No.	PART No.	Q'ty	DESCRIPTION	REF. No.	PART No.	Q'ty	DESCRIPTION
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