

ONKYO® SERVICE MANUAL

Integrated Stereo Amplifier MODEL A-8630



Black and Silver models

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK Δ 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

Power Output:	60 watts per channel, min RMS, at 8 ohms, both channels driven from 20 Hz to 20 kHz, with no more than 0.06% THD.	
	2 x 100 watts at 4 ohms, 1 kHz(DIN)	
	2 x 70 watts at 8 ohms, 1 kHz(DIN)	
Total Harmonic Distortion	0.06% at rated power	
IM Distortion	0.06% at rated power	
Damping Factor:	40 at 8 ohms	
Frequency and Response:	15-30,000 Hz $\pm$ 1 dB	
Input Sensitivity/Impedance:	Phono (MM):	2.5 mV/50 kohms
	Phono (MC):	350 μ V/220 ohms
	Tuner/CD/AUX, Video:	150 mV/50 kohms
	Source Direct:	150 mV/50 kohms
	Tape/Play:	150 mV/50 kohms
	Tape/Rec:	150 mV/3 kohms (phono)
Output Sensitivity/Impedance:		
Phono Overload:	150 mV RMS at 1 kHz, 0.06% THD (MM) (REC)	
Bass Control:	$\pm$ 10 dB at 100 Hz	
Treble Control:	$\pm$ 10 dB at 10,000 Hz	
Selective Tone Control:	$\pm$ 15 dB at 50 Hz/ $\pm$ 6 dB at 10 kHz	
Signal to Noise Ratio (IHF-A):	Phono (MM):	80 dB (5 mV input)
	Phono (MC):	70 dB (0.5 mV input)
	Source Direct (CD):	102 dB

General

Power Supply:	AC 220V, 50Hz
Dimensions (W) x (H) x (D):	435 x 143 x 287 mm
	17-1/8" x 5-5/8" x 11-5/16"
Weight:	7.2 kg, 15.9 lbs.
Remote Control Transmitter RC-143S	
Transmitter:	Infrared
Signal range:	Approx. 5 meters, 16ft
Power supply:	Two "AA" batteries (1.5 V x 2)
Dimensions (W x H x D):	64 x 18 x 176 mm
	2-1/2" x 11/16" x 6-15/16"
Weight:	130 grams. 4.6 oz. (including batteries)
Specifications and features are subject to change without notice.	

PRECAUTIONS

1. **Replacing the fuses**
For continued protection against risk fire, replace only with same type and same rating fuse.

CIRCUIT NO.	PART NO.	DESCRIPTION
F902,F903	252075 or	2.5A-SE-EAK or
	252075CC	2.5A-SE-EAK, Primary fuse

ADJUSTMENT PROCEDURES

Adjustments and Checking the Protection Circuitry

1. Preparations

- 1) Place the unit on the workbench. (There should be about 15 mm of space between the base plate of the unit and the work surface.)
- 2) Set up the unit as follows.
 - (1) No load
 - (2) No signal
 - (3) Volume turned all the way down
 - (4) Speaker switch OFF
 - (5) Power switch OFF

Note) Check the following points before making adjustments

- (1) The power switch should be OFF.
- (2) The interior of the unit should not be warm.

2. Idling current adjustment

- 1) Turn the power switch ON and allow the unit to warm up for about 10 minutes.
 - (1) Adjust R529 (R530) so that the voltage at test point VCT-ID on the NAAF-3547 circuit board is $9.5\text{mV} \pm 3.5\text{mV}$

3. Check of operation of protection circuitry

- 1) Check of operation of protection relay.
 - (1) Confirm that the relay turns ON approximately 5 seconds after the power switch is turned ON.
 - (2) The relay should turn OFF approximately 0.5 seconds after the power switch is turned OFF.
- 2) Check of DC detection
 - (1) Turn the power on with no load.
 - (2) After the speaker relay turns ON, apply DC +1.5V to the CD input terminals. Confirm that the relay turns OFF.
 - (3) Confirm that operation is the same as (2) above when an input of DC -1.5V is applied.

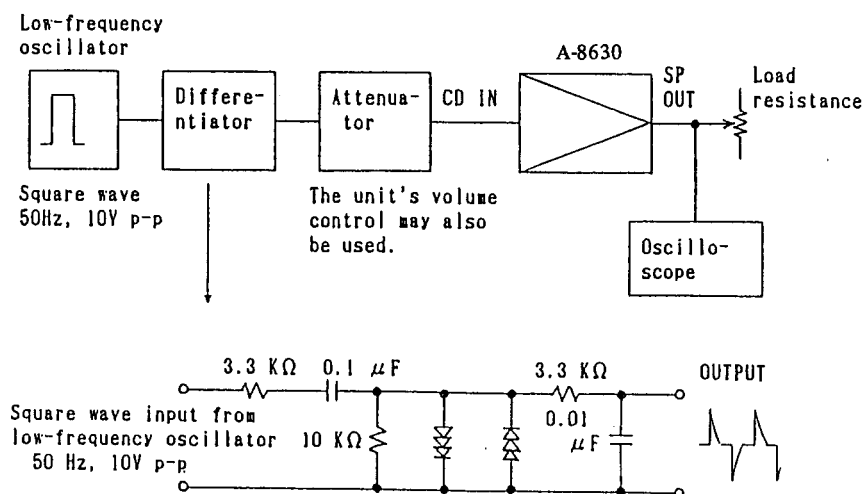
Note) Under no circumstances connect a load or short the speaker terminals when performing the above test.

3) Signal input from the circuit illustrated below with no load.

- (1) Confirm that the speaker relay does not turn OFF even when a 2 ohm load is connected when a peak value of 35V p-p is output.
- (2) Next, confirm that when a 1 ohm load is connected the speaker relay switches OFF and ON a couple of times and then stays OFF.

Note) The period before that relay stays OFF should not last for more than 10 second.

Relay OFF status can be canceled by switching the power OFF.



NOTE) Semi-fixed resistors enclosed in parentheses () are for the right channel.

CHASSIS-EXPLODED VIEW-PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
A001	27110499A	FRONT ANGLE ASS'Y [BLK]	Q527,Q528	2201703 or	2SC3855-O or
(A001a)	27110476C	FRONT ANGLE [BLK]		2201704 or	2SC3855-Y or
(A001b)	28323652	KNOB (SEL) [BLK]		2201706	2SC3855-P, TRANSISTOR
(A001c)	28323650	KNOB (SD) [BLK]	Q529,Q530	2201693 or	2SA1491-O or
(A001d)	28323644	KNOB (ST) [BLK]		2201694 or	2SA1491-Y or
(A001e)	27190703A	HOLDER (LED)		2201696	2SA1491-P, TRANSISTOR
A001	27110500B	FRONT ANGLE ASS'Y [SYL]	△T901	2300441	NPT-1036G, POWER
(A001a)	27110465D	FRONT ANGLE [SYL]			TRANSFORMER
(A001b)	28323651	KNOB (SEL) [SYL]	△P901	253149	AS-CEE, POWER SUPPLY
(A001c)	28323649	KNOB (SD) [SYL]			CABLE
(A001d)	28323643	KNOB (ST) [SYL]	△P902~P904	25050337	NSCT-2P164, AC SOCKET
A003	27100185	CHASSIS	P905	25060044	GROUND TERMINAL
A005	27130573B	BRACKET (PT)	△S901	25035550	NPS-111-L512P, POWER
A007	27141328	BRACKET (SW)			SWITCH
A008	27141329	BRACKET (SW)	△F902,F903	252075 or	2.5A-SE-EAK or
A009	27141324	BRACKET (POW)		252075CC	2.5A-SE-EAK, FUSE
A010	27141332	BRACKET (PC)		29360405	T2.5A/250A, FUSE LABEL
A011	27141325	BRACKET (VR)	U001	1A169547-3A	NAAF-3547-3A, MAIN
A013	27160241A	HEATSINK			CIRCUIT PC BOARD ASS'Y
A015	27121260	BACK PLATE	U002	1A169548-3	NASW-3548-3, SPEAKER
A016	27300750	BUSHING (CABLE)			SWITCH PC BOARD ASS'Y
A019	27190369	KGLS-22S, PC HOLDER	U003	1A169549-3A	NAETC-3549-3A, SPEAKER
A020	27190511	KGLS-16R, PC HOLDER			TERMINAL PC BOARD ASS'Y
A021	880009	NRP-345, REVET	U004	1A169550-2A	NADG-3550-2A, SYSTEM
A023	27273118	JOINT			CONTROL CIRCUIT PC
A028	831130088	3TTW+8B,TAPPING SCREW			BOARD ASS'Y
A030	834430088	3TTS+8BBC, TAPPING	U005	1A169551-2	NASW-3551-2, KEY SWITCH
		SCREW			PC BOARD ASS'Y
A032	833430080	3TTP+8PBC, TAPPING	U006	1A169552-2A	NAETC-3552-2A, EQUALIZER
		SCREW			CIRCUIT PC BOARD ASS'Y
A033	830440089	4TTC+8CBC, TAPPING	U007	1A169553-2A	NAAF-3553-2A, SELECTOR
		SCREW			SWITCH CIRCUIT PC BOARD
A301	28184436	TOP COVER [BLK]			ASS'Y
A301	28184435	TOP COVER [SYL]	U008	1A169554-2A	NAPS-3554-2A, POWER
A302	27270147	SPACER			SWITCH CIRCUIT PC BOARD
A303	28140555	CUSHION			ASS'Y
A500	1A171121	FRONT PANEL [BLK]	U010	1A169556-2	NAETC-3556-2, VOLUME
(A502)	27267597	GUIDE (POW) [BLK]			CONTROL CIRCUIT PC
(A503)	27267591	GUIDE (TONE) [BLK]			BOARD ASS'Y
(A504)	27267595A	GUIDE (SD) [BLK]			
(A505)	28198726	PACKET (OP) [BLK]			
(A506)	28198725	PACKET (SD) [BLK]			
(A507)	28198727	PACKET [BLK]			
A508	28135180	NAME PLATE [BLK]			
A511	28191507	PLATE (SEL) [BLK]			
A500	1A172121	FRONT PANEL [SYL]			
(A502)	27267596	GUIDE (POW) [SYL]			
(A503)	27267590	GUIDE (TONE) [SYL]			
(A504)	27267594A	GUIDE (SD) [SYL]			
A508	28135181	NAME PLATE [SYL]			
A511	28191515	PLATE (SEL) [SYL]			
A631	27170261	BOTTOM BOARD			
A632	27175219	BOTTOM REG			
A633	834430088	3TTS+8BBC, TAPPING			
		SCREW			
A634	833430080	3TTP+8PBC, TAPPING			
		SCREW			
A801	28323673	KNOB (VOL) [BLK]			
A802	28323677A	KNOB (TONE) [BLK]			
A803	28323241-1	KNOB (POW) [BLK]			
A804	28323648	KNOB (STC) [BLK]			
A805	28323646	KNOB (MC) [BLK]			
A801	28323672	KNOB (VOL) [SYL]			
A802	28323676A	KNOB (TONE) [SYL]			
A803	28323249-1	KNOB (POW) [SYL]			
A804	28323647	KNOB (STC) [SYL]			
A805	28323645	KNOB (MC) [SYL]			

NOTE

[BLK]: ONLY BLACK MODELS
[SIL]: ONLY SILVER MODELS

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

PRINTED CIRCUIT BOARD PARTS LIST

MAIN CIRCUIT PC BOARD (NAAF-3547-3A) PARTS LIST

CIRCUIT NO.	PART NO.	DESCRIPTION
Transistors		
Q501,Q502	2212285 or 2212286	2SC2878-A or 2SC2878-B
Q503~Q506	2211455 or 2210803	2SA1015-GR or 2SA733-P
Q507,Q508	2211371 or 2211372	2SC2259-O-001 or 2SC2259-O-002
Q509,Q510	2211732 or 2211733	2SC1845-F or 2SC1845-E
Q511,Q512	2211255 or 2210746	2SC1815-GR or 2SC945A-P
Q513,Q514	2211353 or 2211354	2SA949-O or 2SA949-Y
Q515,Q516	2211633 or 2211634	2SC2229-O or 2SC2229-Y
Q517,Q518	2211255 or 2210746	2SC1815-GR or 2SC945A-P
Q523,Q524	2212653 or 2212654	2SC3421-O or 2SC3421-Y
Q525,Q526	2212643 or 2212644	2SA1358-O or 2SA1358-Y
Q531,Q532	2211732 or 2211733	2SC1845-F or 2SC1845-E
Q651	2211455 or 2212495	2SA1015-GR or JA101-Q
Q652	2211792 or 2211793	2SA992-F or 2SA992-E
Q653,Q654	2211732 or 2211733	2SC1845-F or 2SC1845-E
Q655	2211255 or 2212485	2SC1815-GR or JC501-Q
Q913	2201754 or 2201755	2SD1913-R or 2SD1913-S
Diodes		
D501,D502	4000120	KB265, Varistor
D652	223163	1SS133
D911~D914	223897 or 22380003	P300DL or 1N5402F
D917,D918	224151601 or 224651601 or 224451601	05AZ16X or HZ16EB1 or MTZ16A, Zener
D919	224150623 or 224650623 or 224450623	05AZ6.2Z or HZ6.2EB3 or MTZ6.2C, Zener
D931,D932	223880 or 223896	GP101N4003 or 1N4003
D933	224150512 or 224650512 or 224450512	05AZ5.1Y or HZ5.1EB2 or MTZ5.1B, Zener
Capacitors		
C501,C502	354741009	10 μ F, 16V, Elect.
C503,C504	372121014	100 pF, 50V, Styrene
C505,C506,C653	354722219	220 μ F, 6.3V, Elect.
C511,C512	354780229	2.2 μ F, 50V, Elect.
C513,C514	372121024	0.001 μ F, 50V, Styrene
C529,C530	371124734	0.047 μ F, 50V, Mylar
C533,C534		
C535,C536	354781019	100 μ F, 50V, Elect.
C652	354780479	4.7 μ F, 50V, Elect.
C911,C912	3504206	10000 μ F, 50V, Elect.
C913,C914	354761019	100 μ F, 35V, Elect.
C919,C921	354742219	220 μ F, 16V, Elect.
C922	354782219	220 μ F, 50V, Elect.

CIRCUIT NO.	PART NO.	DESCRIPTION
C923	354741019	100 μ F, 16V, Elect.
C925	354722219	220 μ F, 6.3V, Elect.
C931	354742209	22 μ F, 16V, Elect.
Resistors		
R527,R528	442522704	27 Ω , 1/2W, Metal oxide film
R529,R530	5210064	N06HR10KBD, Semi-fixed
R535,R536	442529104	91 Ω , 1/2W, Metal oxide film
R539,R540	442522714	270 Ω , 1/2W, Metal oxide film
R541~R544	442520224	2.2 Ω , 1/2W, Metal oxide film
R545,R546	441720104	1 Ω , 2W, Metal oxide film
R547~R550	4000080 or 4500022	0.47 Ω , 5W or 0.47 Ω , 5W, Metal plate
R559,R560	442520824	8.2 Ω , 1/2W, Metal oxide film
R564,R565	442520224	2.2 Ω , 1/2W, Metal oxide film
R658	441626814	680 Ω , 1W, Metal oxide film
R912	441623614	360 Ω , 1W, Metal oxide film
R915	441625614	560 Ω , 1W, Metal oxide film
R916	441623314	330 Ω , 1W, Metal oxide film
R917	441625114	510 Ω , 1W, Metal oxide film
R918,R919	441728204	82 Ω , 2W, Metal oxide film
R920	442524724	4.7 k Ω , 1/2W, Metal oxide film
R931	441621024	1 k Ω , 1W, Metal oxide film
R932	442521024	1 k Ω , 1/2W, Metal oxide film
R992	441626814	680 Ω , 1W, Metal oxide film
Relay		
RL501	25065134	NRL-2P5A-DC24V-07
Jumper sockets		
JL302a,JL901a	25050267	NSCT-3P95
JL903a		
JL902a	25050272	NSCT-8P100
Heatsink		
	27160229	
Bracket		
	27141059	Ground

SPEAKER SWITCH PC BOARD (NASW-3548-3) PARTS LIST

CIRCUIT NO.	PART NO.	DESCRIPTION
Coils		
L571,L572	231001	S-1.3B
Resistors		
R571,R572	442520564	5.6 Ω , 1/2W, Metal oxide film
R573,R574	441623914	390 Ω , 1W, Metal oxide film
Switch		
S571	25030290	NRSF-144-25SS
Stereo jack		
P572	25045164	HLJ-4317-01-3020

SPEAKER TERMINAL PC BOARD (NAETC-3549-3A) PARTS LIST

CIRCUIT NO.	PART NO.	DESCRIPTION
Terminal		
P571	25060134	NTM-8PDMN-063

**SYSTEM CONTROL CIRCUIT PC BOARD (NADG-3550-2A)
PARTS LIST**

CIRCUIT NO.	PART NO.	DESCRIPTION
ICs		
Q301,Q321	22240050 or 22240191	μ PC4570C or NJM4565DD
Q701	22240254	LC6520H-4030
Q751	22240243	LC6527C-3987
Transistors		
Q702	2211455 or 2212495	2SA1015-GR or JA101-Q
Q703,Q704	2211255 or	2SC1815-GR or
Q752,Q753	2212485	JC501-Q
Q705	2211255 or 2212485	2SC1815-GR or JC501-Q
Diodes		
D701	223163	1SS133
D702	221450562 or 224650562 or 224450562	0.5AZ5.6Y or HZ5.6EB2 or MTZ5.6B, Zener
D703,D751	225141	SEL2213C, LED
D711	225137CG or 225137DG or 225137DY	SEL2413ECG or SEL2413EDG or SEL2413EDY, LED
D712,D752	223163	1SS133
D714~D716		
D753		
Osc. elements		
X701,X751	3010150	CST4.00MGW
Capacitors		
C301,C302	354780229	2.2 μ F, 50V, Elect.
C305,C306		
C323,C324		
C307,C308	354780339	3.3 μ F, 50V, Elect.
C321,C322	371128224	8200 pF, 50V, Mylar
C325,C326	354780109	1.0 μ F, 50V, Elect.
C703,C753		
C327,C328	371123934	0.039 μ F, 50V, Mylar
C331,C332	371122234	0.022 μ F, 50V, Mylar
C701	3000051	0.047 F, 5.5V, SUPER
C705,C751	354741009	10 μ F, 16V, Elect.
Resistors		
R315	5104228	N11RHC250KWT22Z, Variable
R321,(R322)	5104229	N14RHC100KWT22Z, Variable
R335,(R336)		
R701	49163473404	47 K Ω ×4, Network
Switches		
S321	25035588	NPS-142-L550
S708	25035548	NPS-111-S510
Holder		
	27190701A	(LED,OP)

KEY SWITCH PC BOARD (NASW-3551-2) PARTS LIST

CIRCUIT NO.	PART NO.	DESCRIPTION
Diodes		
D704~D710	225137CG or 225137DG or 225137DY	SEL2413ECG or SEL2413EDG or SEL2413EDY, LED

CIRCUIT NO. PART NO. DESCRIPTION

Switches
S701~ S707 25035548 NPS-111-S510

Holders
27190702A (LED, SEL)
27190697 (LED, ST)

**EQUALIZER CIRCUIT PC BOARD (NAETC-3552-2A)
PARTS LIST**
CIRCUIT NO. PART NO. DESCRIPTION

ICs
Q101,Q102 222570 or
22240191 NJM4560DX or
NJM4565DD

Capacitors
C101,C102 372121014 100 pF, 50V, Styrene
C103,C104 372123314 330 pF, 50V, Styrene
C107,C108 354741009 10 μ F, 16V, Elect.
C111,C112 354722219 220 μ F, 6.3V, Elect.
C113,C114 371126234 0.062 μ F, 50V, Mylar
C115,C116 371121834 0.018 μ F, 50V, Mylar
C119,C120 354721019 100 μ F, 6.3V, Elect.
C131,C132 354742219 220 μ F, 16V, Elect.

Coils
L101,L102 231030 NCH-1070

Switch
S101 25035608 NPS-142-L570

Terminal
P101 25045211 NPJ-2PDBL91

Miniature jack
P103 25045172 HSJ-1003-01-020

**SELECTOR SWITCH CIRCUIT PC BOARD (NAAF-3553-2A)
PARTS LIST**
CIRCUIT NO. PART NO. DESCRIPTION

ICs
Q201 22240079 LC7821
Q202 22240025 LC4966

Transistors
Q203,Q204 2212285 or
2212286 2SC2878-A or
2SC2878-B
Q801,Q811 2211455 or
2212495 2SA1015-GR or
JA101-Q
Q802,Q812 2211255 or
2212485 2SC1815-GR or
JC501-Q

Diodes
D801 224150621 or
224650621 or
224450621 05AZ6.2X or
HZ6.2EB1 or
MTZ6.2A, Zener

Capacitors
C804 354780229 2.2 μ F, 50V, Elect.
C805,C811 354780109 1 μ F, 50V, Elect.
C806,C807 354744709 47 μ F, 16V, Elect.

Terminals
P201 25045213 NPJ-6PDBL-92

A-8630

CIRCUIT NO.	PART NO.	DESCRIPTION
P202,P203	25045171	NPJ-4PDBL-65

POWER SWITCH CIRCUIT PC BOARD (NAPS-3554-2A)
PARTS LIST

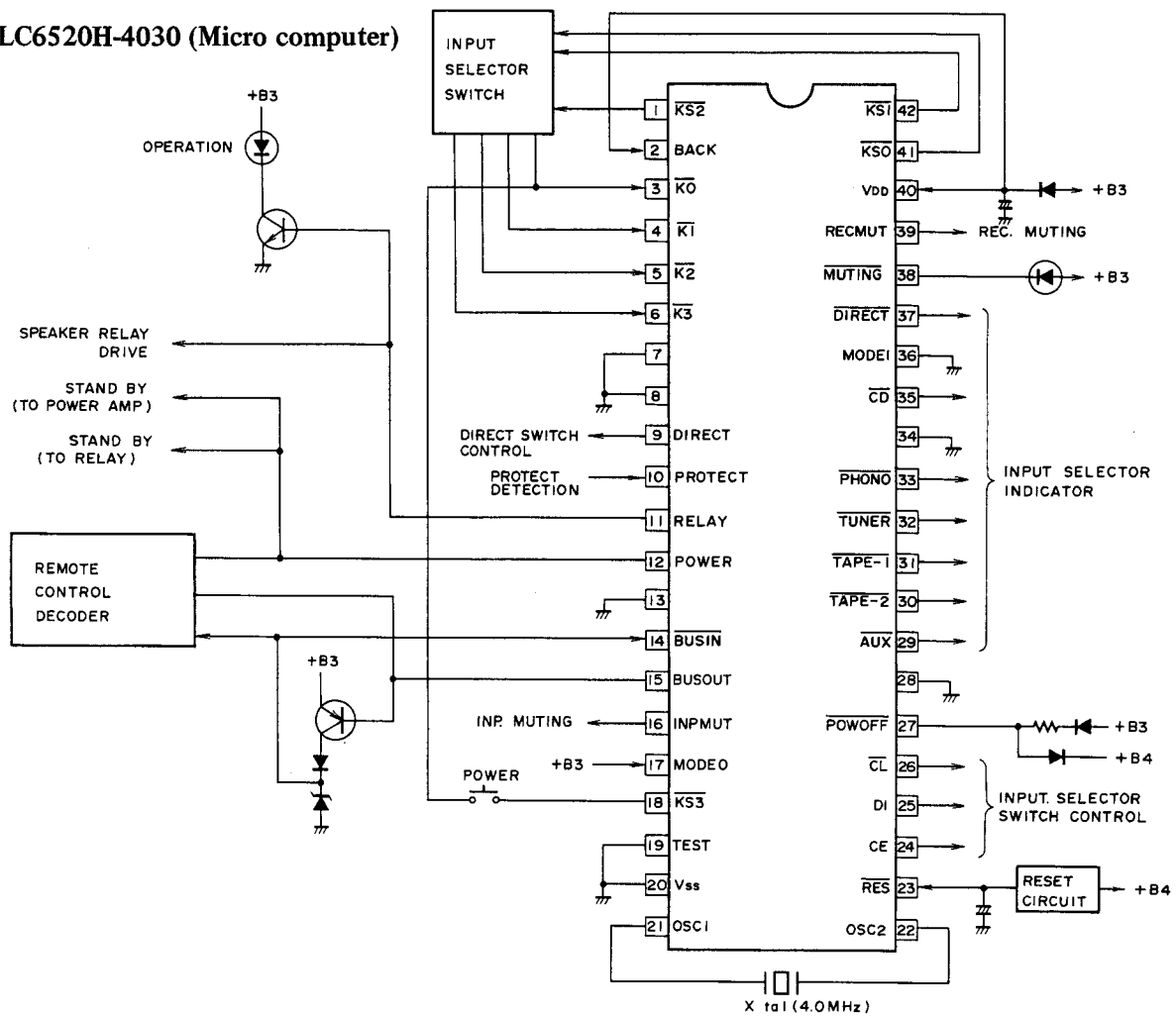
CIRCUIT NO.	PART NO.	DESCRIPTION
Diode		
D905	223163	1SS133
Capacitors		
C901	3500065A	0.01 μ F, AC400V/125V, IS
C902	3500065A	0.01 μ F, AC400V/125V, IS
Switch		
S901	25035550	NPS-111-L512P
Terminal		
	25060092	NTM-1S33
Relay		
RL901	25065341	NRL-1P15A-DC24V-047
Fuse holder & Label		
F902a	25050065	YSH4037, Fuse holder
F902b	29360405	T2.5A/250V, Fuse label
F903a	25050065	YSH4037, Fuse holder
	29360626-1	Label, Caution

VOLUME CONTROL CIRCUIT PC BOARD (NAETC-3556-2)
PARTS LIST

CIRCUIT NO.	PART NO.	DESCRIPTION
IC		
Q351	222963	LB1630
Capacitor		
C353	354741009	10 μ F, 16V, Elect.
Resistors		
R351,(R352)	5104234	N16RGM50KA30F, Variable
Bracket		
	27141059	Ground

IC BLOCK DIAGRAM

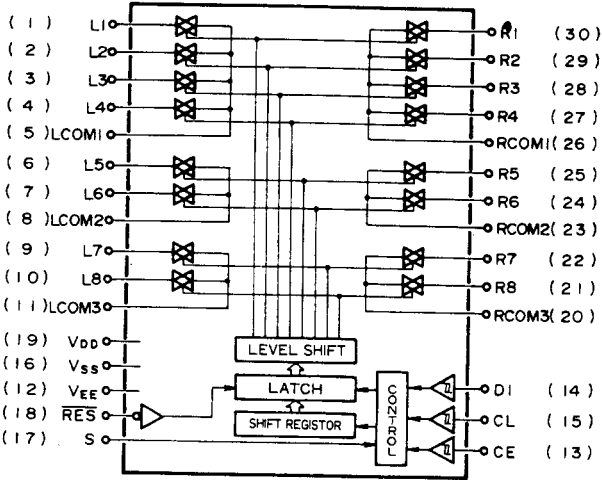
LC6520H-4030 (Micro computer)



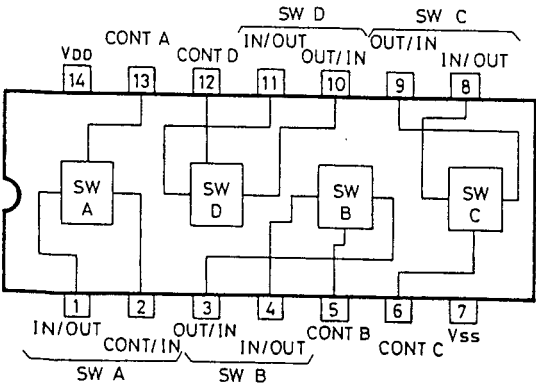
Pin No.	Pin name	Symbol	Function
1	PA2	KS2	Key scan output terminal.
2	PA3	BACK	Input terminal for initial settings. Fixed at "H".
3	PB0	K0	Key input terminals.
4	PB1	K1	
5	PB2	K2	
6	PB3	K3	
7	PC0	—	Fixed at "L".
8	PC1	—	Fixed at "L".
9	PC2	DIRECT	DIRECT switch on is "H".
10	PC3	PROTECT	Protect input terminal.
11	PD0	RELAY	Speaker relay control terminal. Switches to "H" 5 second after power is turned on. Immediately switches to "L" when POW OFF terminal switches from "H" to "L".
12	PD1	POWER	Standby control.
13	PD2	—	Ground
14	PD3	BUS-IN	System code input terminal. Active: "H"
15	PE0	BUSOUT	System code output terminal. Active: "L"
16	PE1	INPMUT	Input selector muting output terminal.
17	PE2	MODEO	Fixed at "H". Initial setting when power is turned on.
18	PE3	KS3	
19	TEST	TEST	Ground
20	V _{ss}	V _{ss}	Ground
21	OSC1	OSC1	Ceramic oscillator connector terminals (4 MHz).
22	OSC2	OSC2	

23	RES	RES	RESET input terminal.
24	PF0	CE	Chip-enable output terminal. Connected to analog switch CE terminal.
25	PF1	DI	Serial data output terminal. Connected to analog switch DI terminal.
26	PF2	CL	Serial data output terminal. Connected to analog switch CL terminal.
27	PF3	POWOFF	Power off sensor input terminal.
28	PG0	—	Ground
29	PG1	AUX	INPUT SELECTOR display output terminals. Input selector setting position is "L".
30	PG2	TAPE-2	
31	PG3	TAPE-1	
32	PI0	TUNER	
33	PI1	PHONO	
35	PI3	CD	
34	PI2	—	Ground
36	PJO	MODE1	Power-on initial setting input terminal. Fixed at "L".
37	PJ1	DIRECT	Direct display output terminal.
38	PJ2	—	Muting display output terminal.
39	PJ3	RECMUT	Muting control output terminal for REC. output.
40	V _{DD}	V _{DD}	Power supply terminal (+5V).
41	PA0	KS0	Key scan output terminals.
42	PA1	KS1	

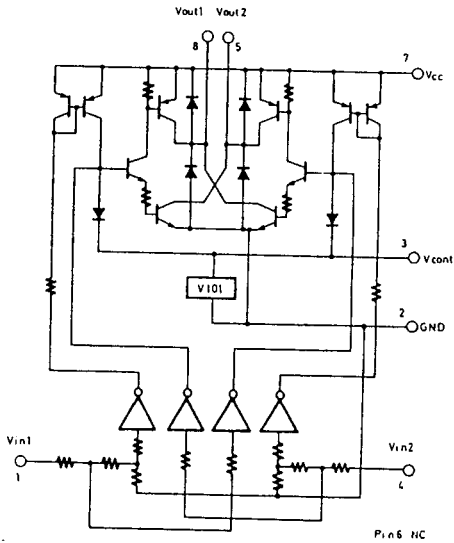
LC7821 (Analog switch)



LC4966 (Switch)



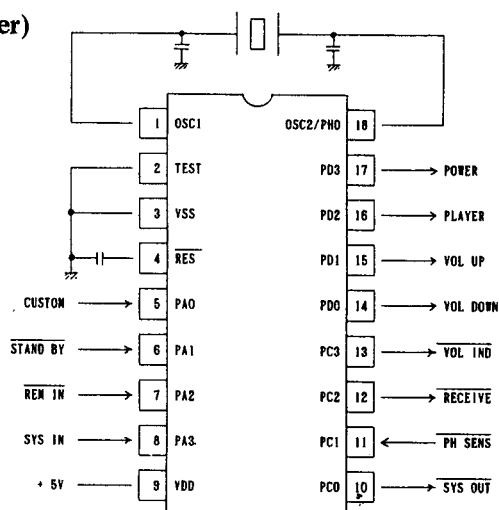
LB1630 (Motor drive)



TRUTH TABLE

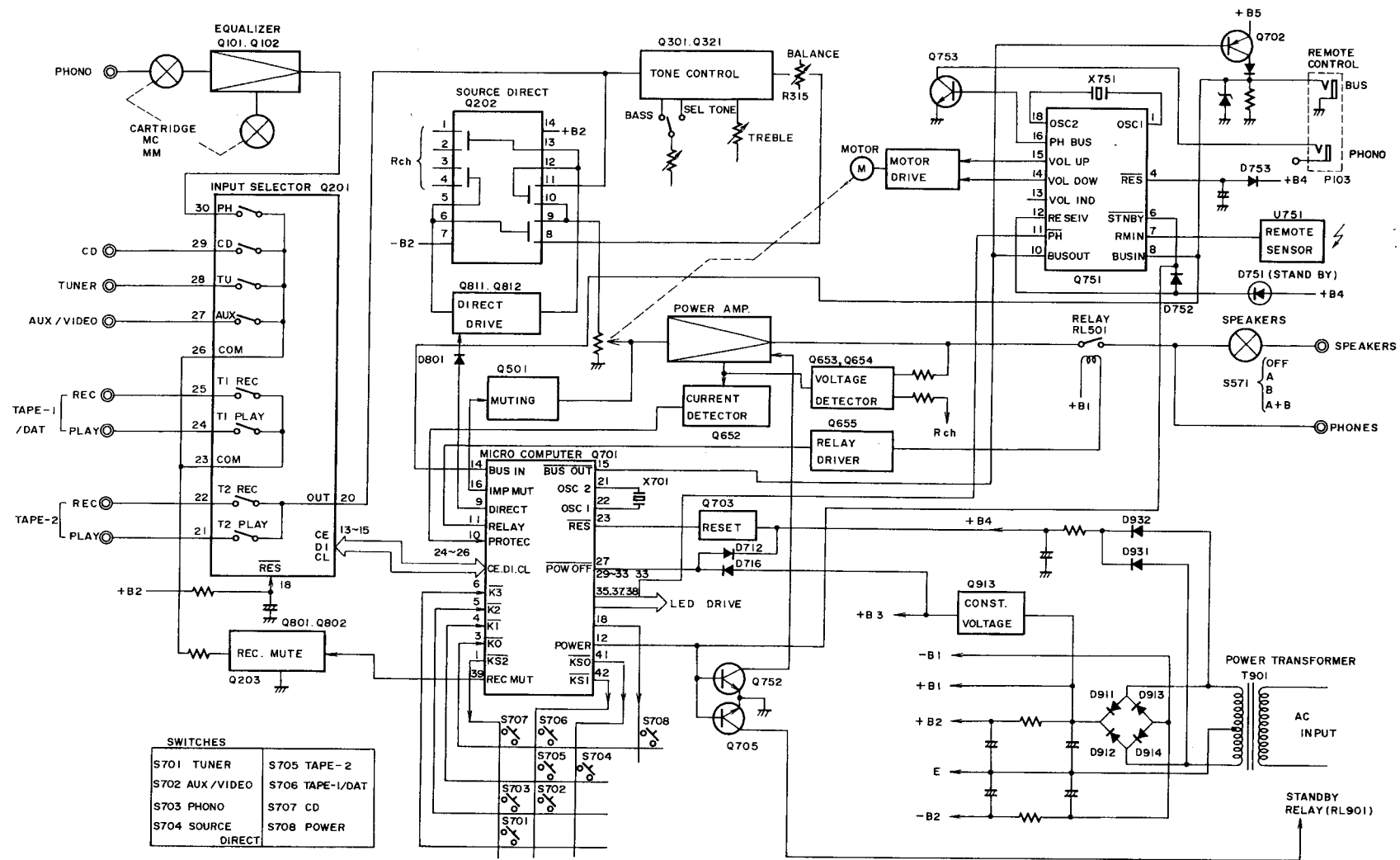
IN 1	IN 2	OUT 1	OUT 2	MOTOR
H	L	H	L	Normal
L	H	L	H	Reverse
H	H	OFF	OFF	Wait
L	L	OFF	OFF	Wait

LC6527C (Remoto controlle decoder)



Pin No.	Pin name	Symbol	Function		
1	OSC1	OSC1	Ceramic oscillator connector terminal. 4 MHz. 1/3 division.		
2	TEST	TEST	Test terminal. Connected to V _{SS} .		
3	V _{SS}	V _{SS}	Ground terminal		
4	RES	RES	Reset terminal.		
5	PA0	CUSTOM	Decoded input terminal with switchable custom codes and operations.		
			Custom input	Custom code	Operation
			L	D26D	System (export)
			H	D225	Tuner
			This terminal is read when power is turned on and the above initial settings are carried out.		
6	PA1	STAND BY	Standby condition sensor terminal. Only the POWER code is decoded when STAND BY input is "L".		
7	PA2	REM IN	Remote control signal input terminal. Active: "L". The photo-sensor output is connected to this terminal.		
8	PA3	SYS IN	System code input terminal. Active: "H". Output system codes are monitored at this terminal.		
9	V _{DD}	V _{DD}	Power supply (+5V) terminal.		
10	PC0	SYS OUT	System code output terminal. Active: "L". This terminal output the appropriate system code in response to input from the remote control.		
11	PC1	PH SENS	PHONO sensor input terminal. Active: "L". This terminal is valid during system. The remote control K64 code is decoded only when this terminal is "L".		
12	PC2	RECEIVE	RECEIVE display output terminal. Active: "L". "L" when remote control codes for decoding are being input.		
13	PC3	VOL IND	VOLUME indicator output terminal. Active: "L". Normally "L". Outputs waveform which is "H" for 250 ms then "L" for 250 ms during VOLUME UP or VOLUME DOWN output.		
14	PD0	VOL DOWN	VOLUME DOWN control output terminal. Active: "H". Output is "H" when remote control K4 code is input.		
15	PD1	VOL UP	VOLUME UP control output terminal. Active: "H". Output is "H" when remote control K3 code is input.		
16	PD2	PLAYER	PLAYER control output terminal. Active: "H". This terminal is valid during system. Output is "H" for 200 ms if remote control K64 code is input when PH SENS input is "L".		
17	PD3	POWER	POWER control output terminal. Active: "H". Reverses output whenever remote control K5 code is input.		
18	OSC2/PHO	OSC2	Ceramic oscillator connector terminal. 4 MHz 1/3 division.		

BLOCK DIAGRM



PARTS LIST OF PACKING

REF. NO.	PART NO.	DESCRIPTION
A851	29051922	MASTER CARTON BOX [BLK]
A851	29051923	MASTER CARTON BOX [SYL]
A852	29091322B	PAD, LEFT
A853	29091323B	PAD, RIGHT
A854	261504	W=30 mm, PAPER TAPE
A865	29100063	750 × 580mm, POLY-VINYL BAG
A866	282301	SEALING HOOK
A867	260012	W=50 mm, DAMPLON TAPE
	29355133	CAUTION (DBP)

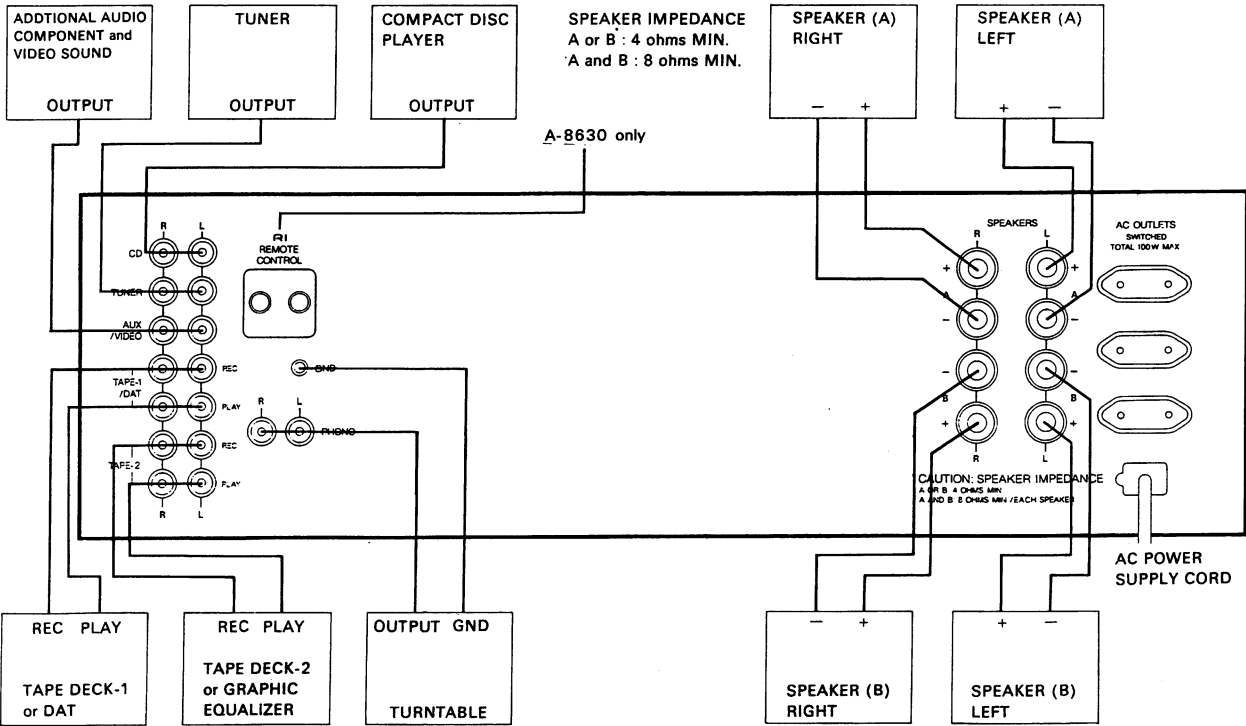
ACCESSORY BAG ASS'Y

29341395	INSTRUCTION MANUAL
29365020A	WARRANTY CARD
29100097	250 x 350, POLY-VINYL BAG
24140143	RC-143S, REMOTE CONTROL UNIT
3010054	UM-3, FOUR BATTERIES
2010169	3.5 MINI PLUG
29100094A	POLY-VINYL BAG

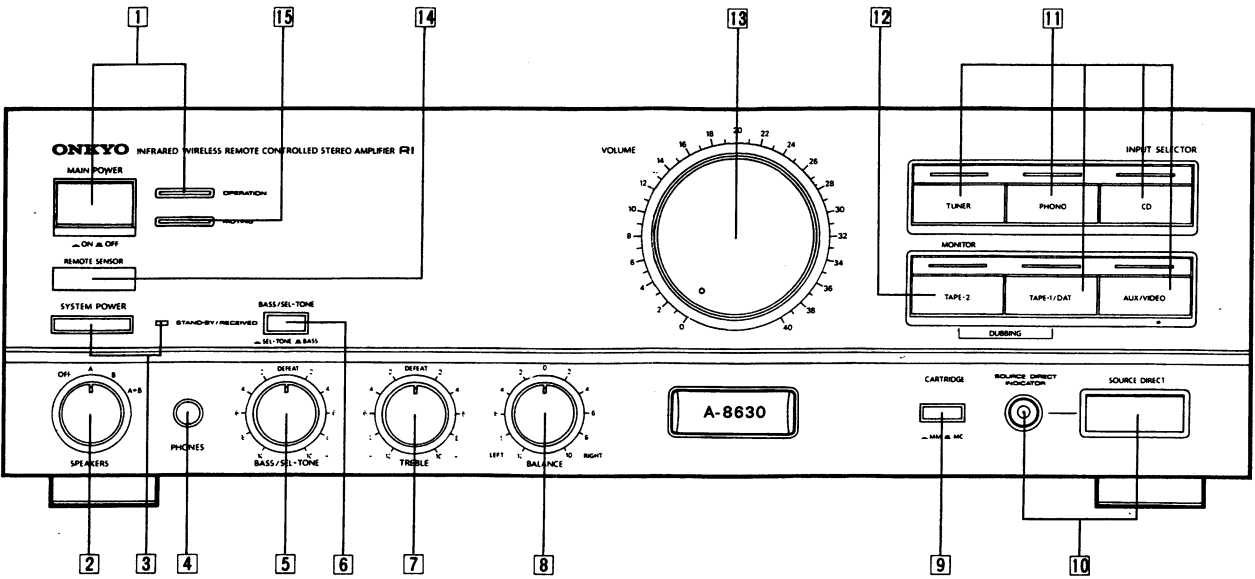
NOTE
[B L K]: ONLY BLACK MODELS
[S Y L]: ONLY SILVER MODELS

SYSTEM CONNECTIONS

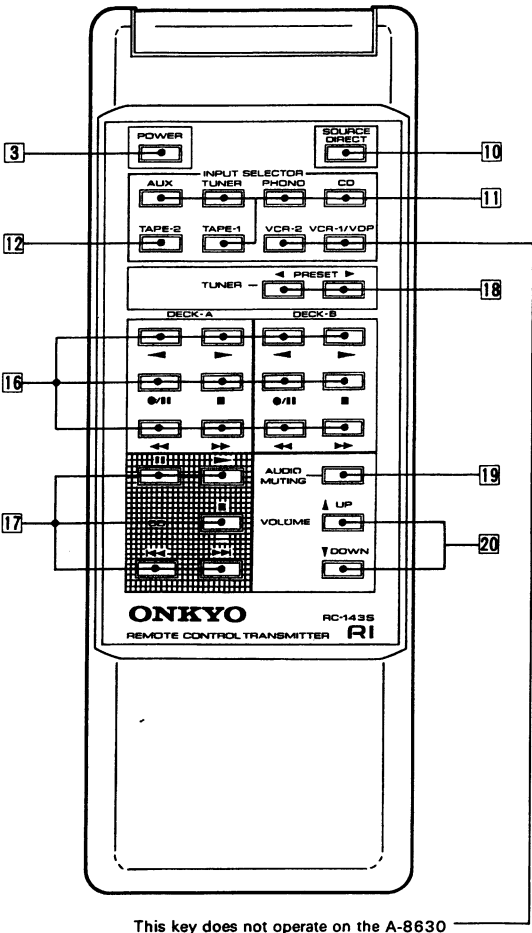
General
Switch the main power switch off before performing connections.
Also be sure to perform left and right channel connections properly.



FRONT PANEL FACILITIES



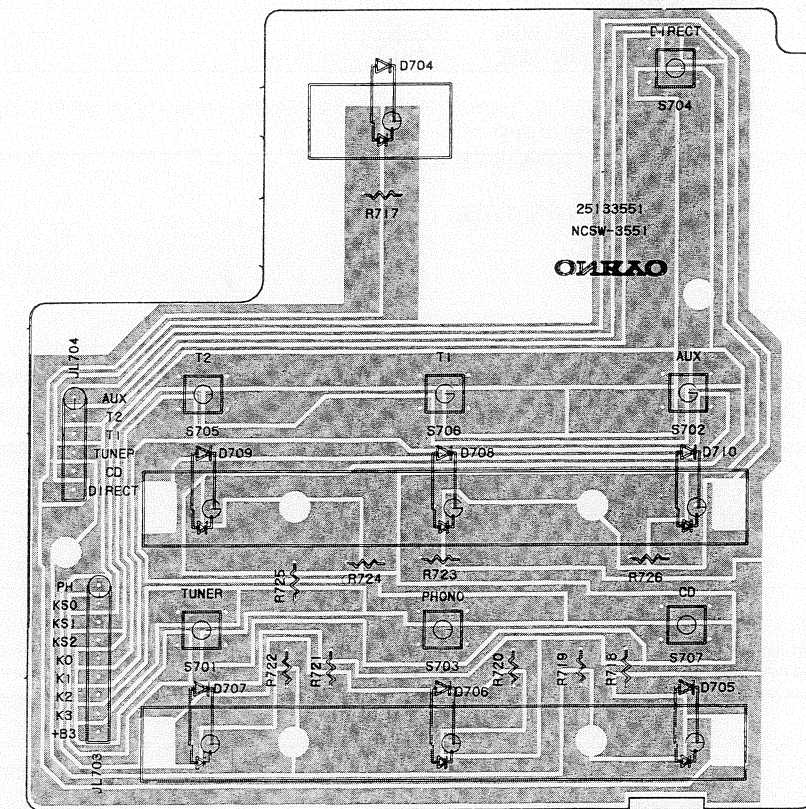
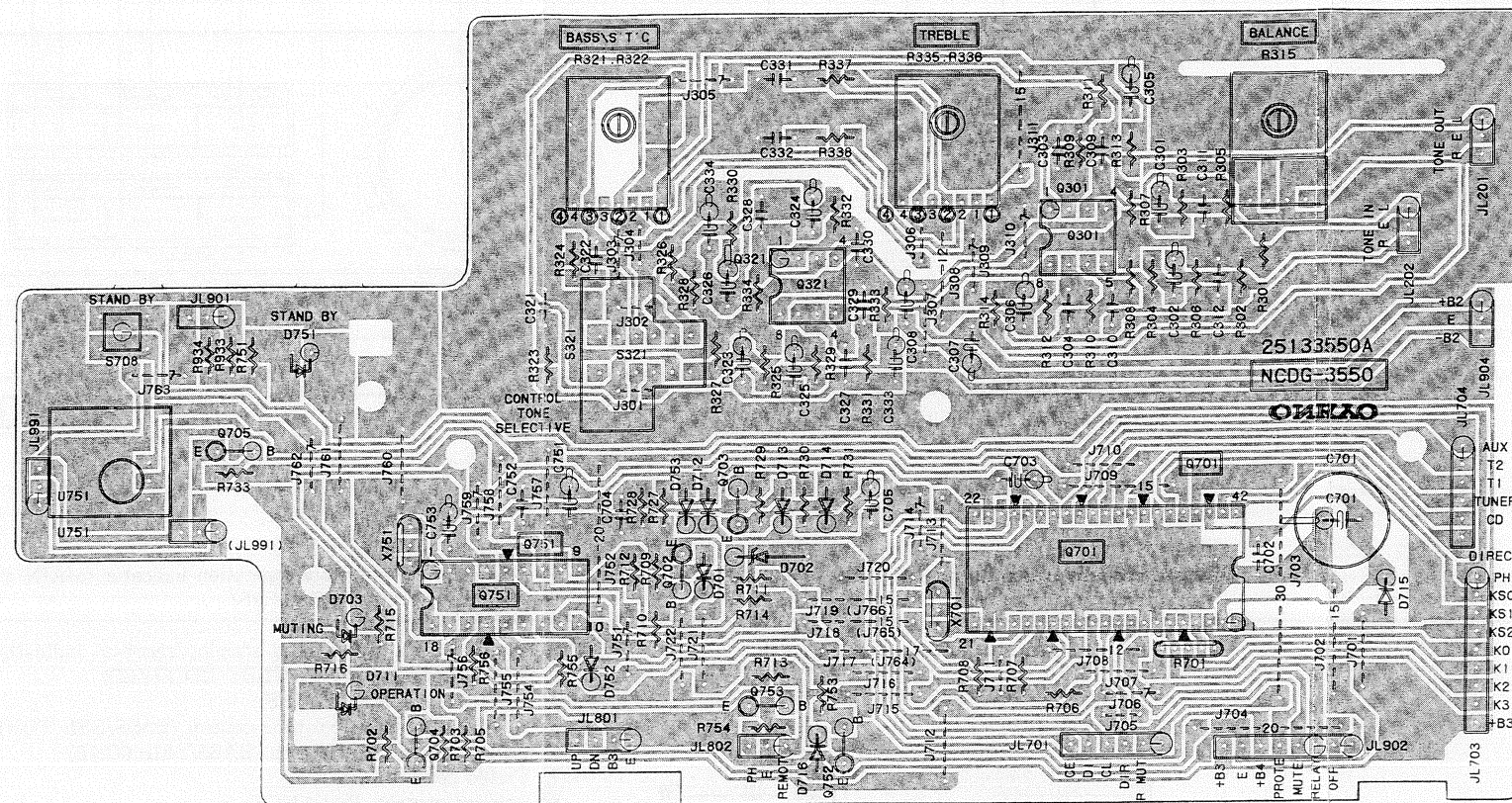
Remote control transmitter RC-143S



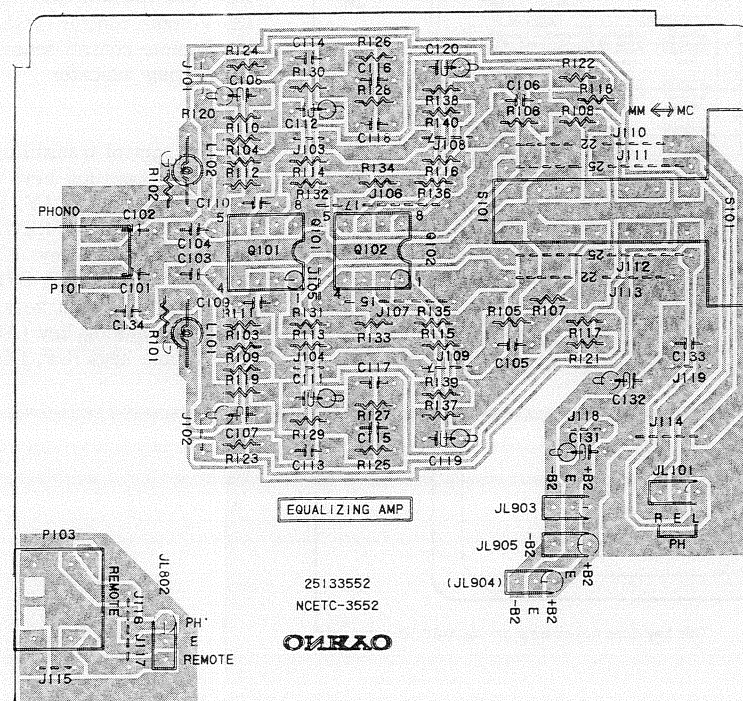
1. Main power switch and operation indicator (MAIN POWER)
2. Speaker selector (SPEAKERS)
OFF, A, B, A+B
3. System power button and standby/received indicator (SYSTEM POWER and STANDBY/RECEIVED)
4. Headphone jack (PHONES)
5. Bass control/Selective tone control (BASS/SEL-TONE)
6. Bass/Selective tone switch (BASS/SEL-TONE)
7. Treble control (TREBLE)
8. Balance control (BALANCE)
9. Cartridge selector (CARTRIDGE)
10. Source direct and indicator (SOURCE DIRECT)
11. Input selector and indicators (INPUT SELECTOR)
TUNER, PHONO, CD, TAPE-1/DAT, AUX/VIDEO
12. Tape monitor and indicator (TAPE-2/MONITOR)
13. Volume control (VOLUME)
14. Remote control sensor
15. Muting indicator

- Remote control transmitter controls (RC-143S)
16. Tape operation keys (DECK-A, DECK-B)
REVERSE PLAY, FORWARD PLAY, REC PAUSE, STOP, FAST REWIND, FAST FORWARD
 17. CD Operation keys (CD)
PAUSE, PLAY, STOP, DOWN, UP
 18. Tuner operation keys (PRESET)
 19. Audio muting key (AUDIO MUTING)
 20. Volume keys (UP, DOWN)

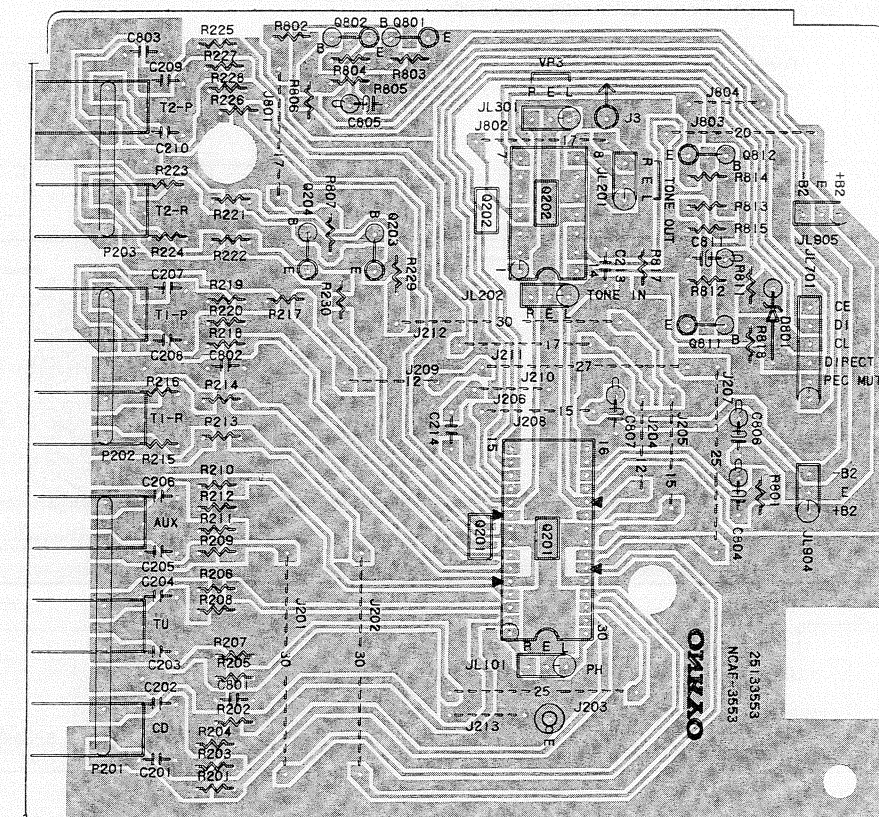
NASW-3551-2



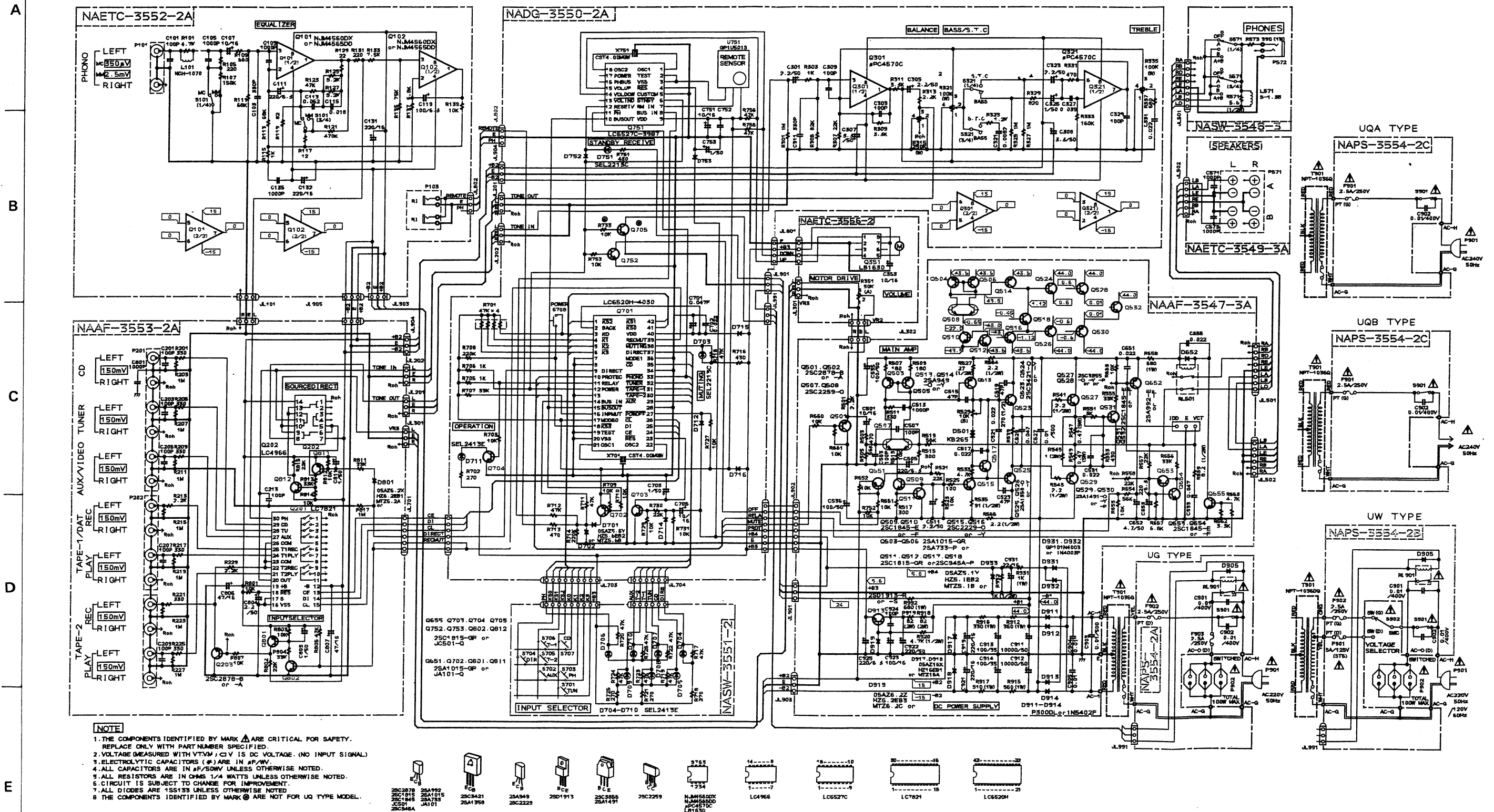
NAETC-3552-2A



NAAF-3553-2A



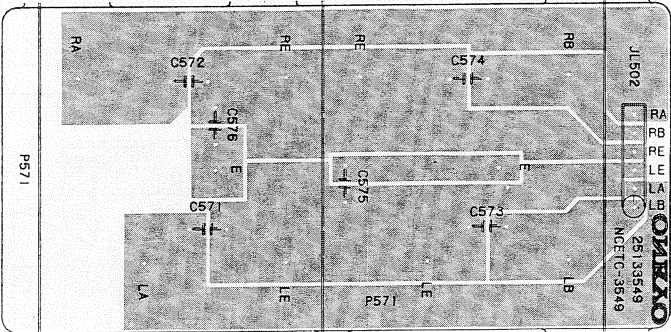
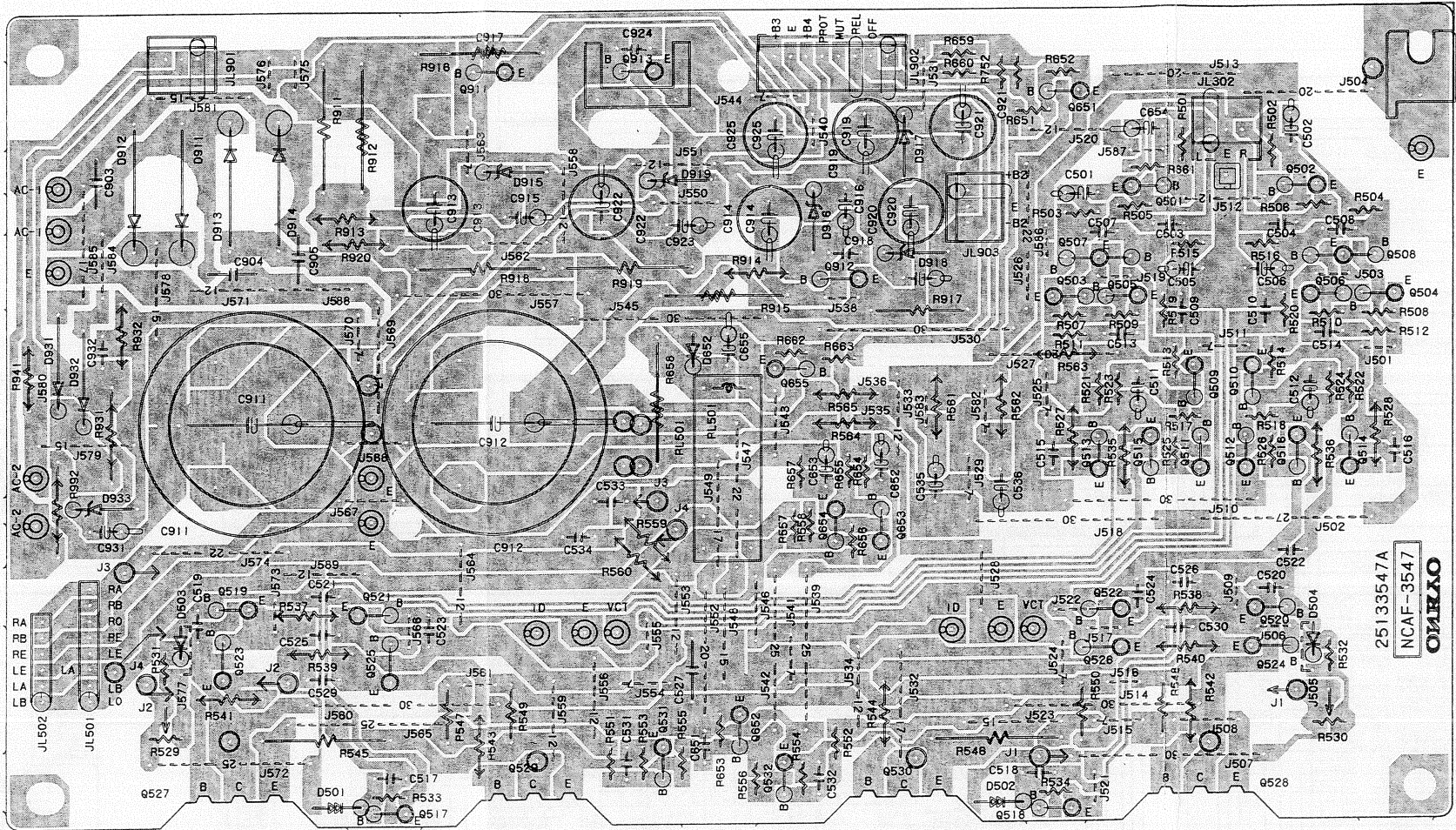
SCHEMATIC DIAGRAM



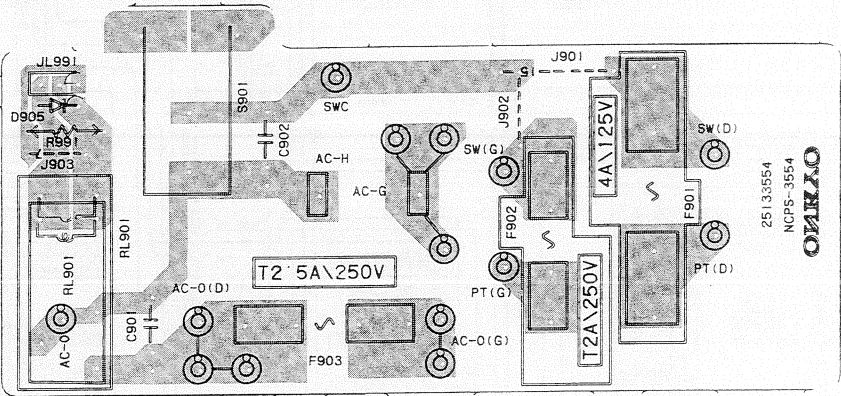
ONKYO CORPORATION

NAAF-3547-3A

NAAF-3549-3A



NAPS-3554-2A



NASW-3548-3

NAETC-3556-2

