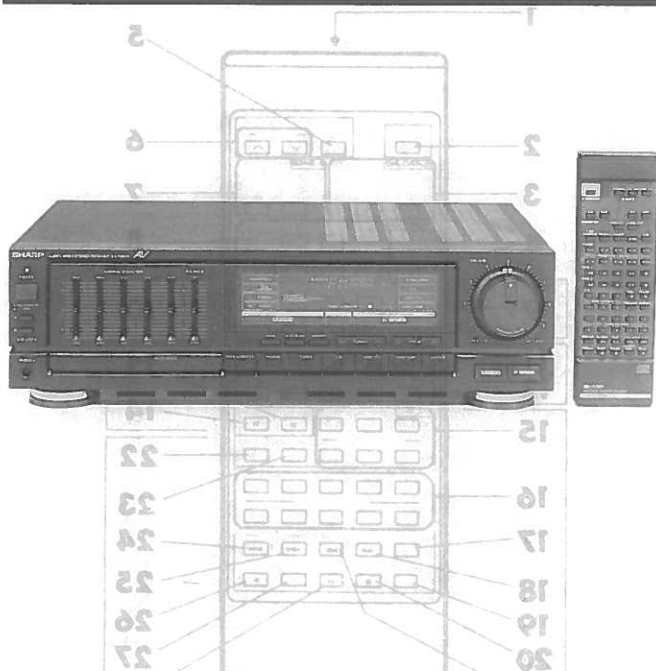


SHARP SERVICE MANUAL



SX9C3SAR56AVK

SA-R56AV(BK)

In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

This new model SA-R56AV(BK) has almost the same structure as the former model SA-R55AV(BK) except for some outer parts and remote control, and so, only these parts are here described. When servicing the SA-R56AV(BK), please refer to the already issued service manual for SA-R55AV(BK)(S7968SAR55AVK) as well as this service manual.

DIFFERENCE BETWEEN SA-R55AV(BK) AND SA-R56AV(BK)

REF. NO.	SA-R55AV(BK) PART NO. ★	SA-R56AV(BK) PART NO. ★	DESCRIPTION	CODE
OTHER CIRCUITRY PARTS				
LCD201	RV-LX0096AFZZ J	RV-LX0114AFZZ J	LCD	AU
PL202	RLMPM0216AFZZ J	Not used		
CABINET PARTS				
119	92LCAB1460A J	92LCAB1482A J	Panel, Front	BA
120	92LCAB1460B J	92LCAB1482B J	Plate, Rear	AQ
149	-----	92LWIND1482A J	Window, LCD	AC
ACCESSORIES				
	RRMCG0178AFZZ J	RRMCG0195AFSA J	Remote Control	BC
	92LiNST1460A J	92LiNST1482A J	Operation Manual	AD
PACKING PARTS(Not Replacement Item)				
	92LLABL1460A J	92LLABL1482A J	Label, Pop	--
	92LP-CASE1460A J	92LP-CASE1482A J	Packing Case, Unit	--
P.W.B. ASSEMBLY(Not Replacement Item)				
PWB-B1-3	92LPWB1460TUNS J	92LPWB1482TUNS J	Tuner/Video/Battery PWB(Combined Ass'y)	--

★ MARK: SPARE PARTS-DELIVERY SECTION

SHARP ELECTRONICS CORPORATION

Service Headquarters:

Sharp Plaza

Mahwah, New Jersey 07430-2135 Phone (201)512-0055

NAMES OF PARTS

REMOTE CONTROL

1. Remote Control Transmitter Window
2. Power Button
3. Surround Buttons
4. Tape Monitor Button
5. Muting Button
6. Volume Up/Down Buttons
7. Extra Bass Buttons
8. Function Selector Buttons

● Tuner control buttons

9. Preset Number Buttons
10. Band Selector Button
(FM stereo/FM mono/AM)

● Tape control buttons

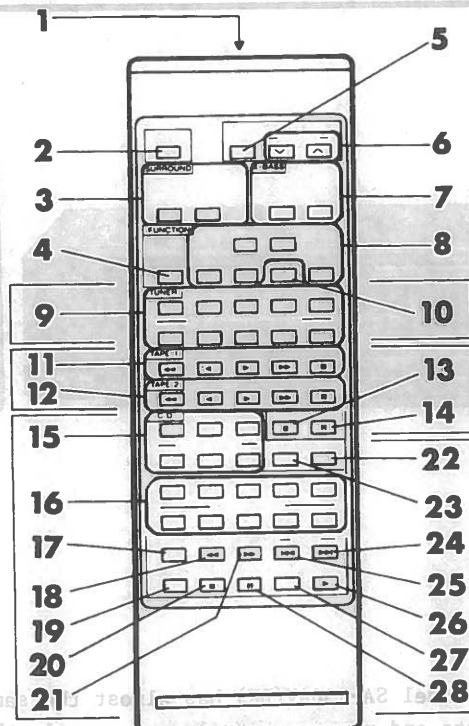
(These tape control buttons are available to operate SHARP remote controllable cassette decks.)

11. TAPE 1 Control Buttons
12. TAPE 2 Control Buttons
13. Record Button: ●
14. Pause Button: II

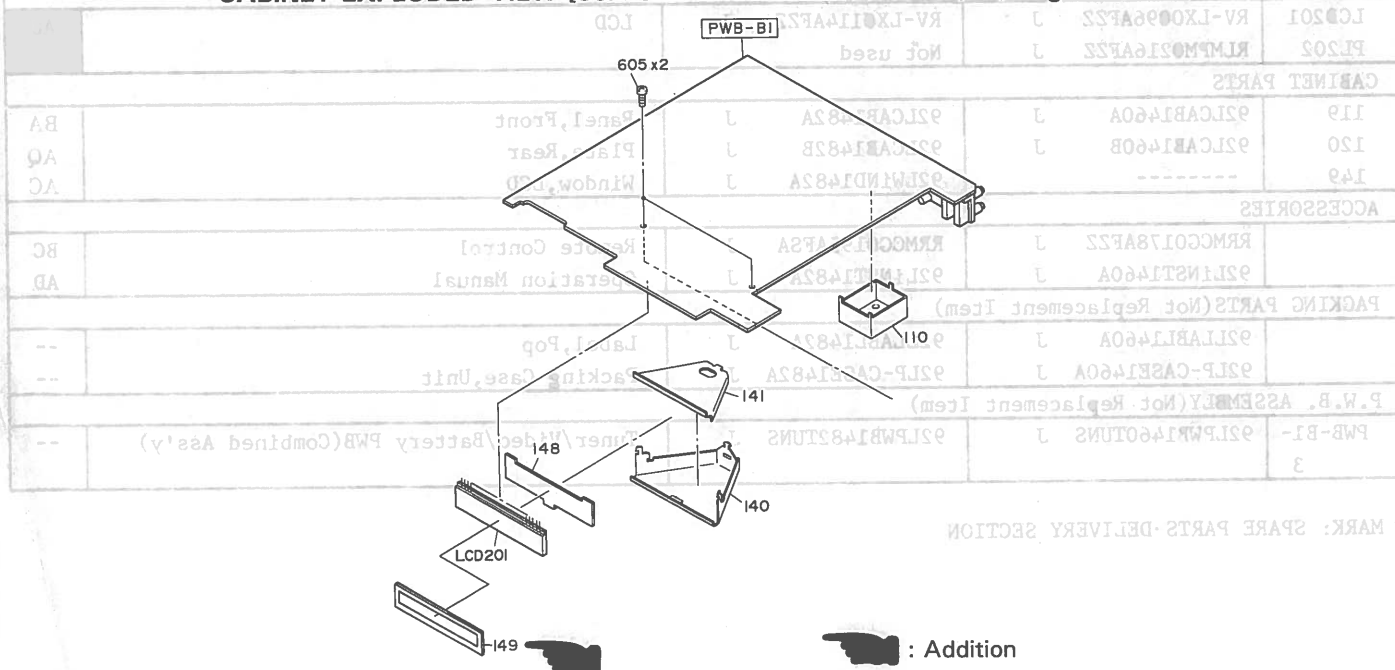
● CD control buttons

(These CD control buttons are available to operate SHARP remote controllable CD players.)

15. Disc Number Selector Buttons (For CD changers)
16. Track Number Input Buttons
17. Display Button
18. Review Button: ◀◀
19. Repeat Button
20. Stop Button: ■
21. Cue Button: ▶▶
22. Memory Button
23. Program Button
24. Track Up Button: ▶▶
25. Track Down Button: ◀◀
26. Play Button: ▶
27. Random Play Button
28. Pause Button: II



CABINET EXPLODED VIEW [Service Manual for SA-R55AV(BK) Page 29, 1-D]

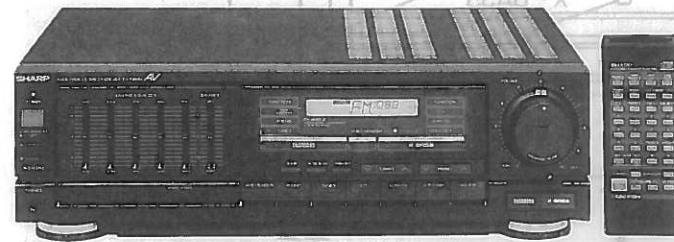


★ MARK: SPARE PARTS-DELIVERY SECTION

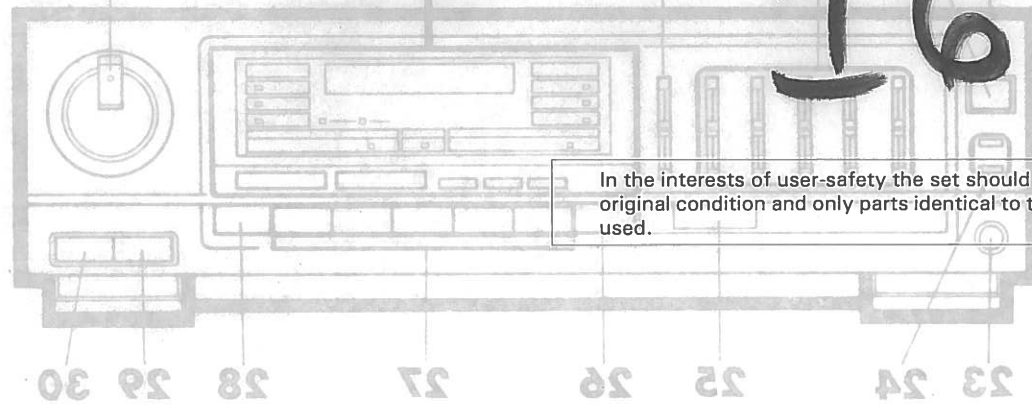
● : Addition

SHARP SERVICE MANUAL

S7968SAR55AVK



SA-R55AV(BK)



In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

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FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

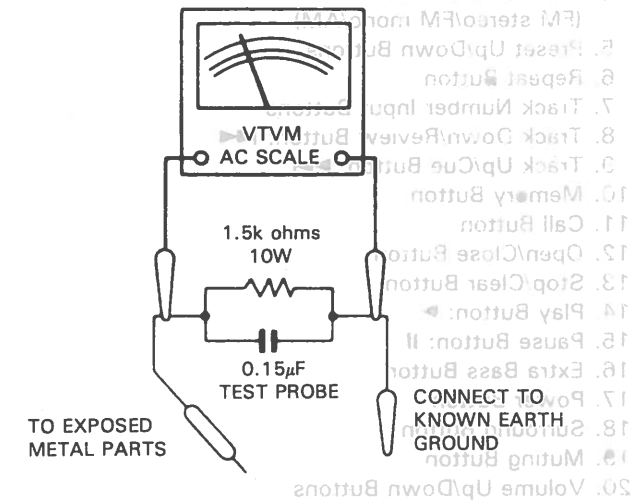
IMPORTANT SERVICE NOTES

BEFORE RETURNING THE AUDIO PRODUCT

(Fire & Shock Hazard)

Before returning the audio product to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the audio product.
2. Inspect all protective devices such as insulating materials, cabinet, terminal board, adjustment and compartment covers or shields, mechanical insulators etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - * Plug the AC line cord directly into a 120 volt AC outlet.
 - * Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as conduit or electrical ground connected to earth ground.
 - * Use a VTVM or VOM with 1000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor (See diagram).
 - * Connect the resistor connection to all exposed metal parts having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, es-cutcheon, etc.) and measure the AC voltage drop across the resistor.



All check must be repeated with the AC line cord plug connection reversed.

Any reading of 0.3 volt RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the audio product to the owner.

SPECIFICATIONS

General

Power source:	AC 120 V, 60 Hz
Power consumption:	180 W
Dimensions:	Width; 17 1/2" (430 mm) Height; 5 3/4" (126 mm) Depth; 12-5/8" (319 mm)
Weight:	14.3 lbs. (6.5 kg)

Tuner section

Frequency range:	FM; 87.5 - 108 MHz (100 kHz span) AM; 530 - 1,720 kHz (10 kHz span)
Usable sensitivity:	FM; 1.9 μ V (10.8 dBf) AM; 400 μ V/m (with loop antenna)
Harmonic distortion:	FM mono; 0.25 % FM stereo; 0.5 % AM; 1.2 %
Image rejection:	40 dB (at 98 MHz)
IF rejection:	85 dB (at 98 MHz)
Stereo separation:	32 dB

Amplifier section

Continuous power output:	55 watts minimum RMS per channel at 8 ohms from 20 Hz to 20 kHz with no more than 0.08 % total harmonic distortion.
Frequency response:	20 - 50,000 Hz (± 3 dB)
Input sensitivity and input impedance:	PHONO; 3.5 mV/47 kohms CD; 250 mV/47 kohms TAPE; 250 mV/47 kohms VCR 1/TV; 250 mV/47 kohms VCR 2/VDP; 250 mV/47 kohms
Loaded impedance:	Speakers; 8 - 16 ohms Headphones; 8 - 50 ohms (recommended 32 ohms)

Video section

Inputs/outputs:	VCR 1, 2; 1 Vp-p 75 ohms unbalanced
-----------------	--

Specifications for this model are subject to change without prior notice.

SHARP ELECTRONICS CORPORATION

NAMES OF PARTS

REMOTE CONTROL

1. Remote Control Transmitter Window
2. Tape Monitor Button
3. Function Selector Buttons
4. Band Selector Button
(FM stereo/FM mono/AM)
5. Preset Up/Down Buttons
6. Repeat Button
7. Track Number Input Buttons
8. Track Down/Review Button: ◀◀
9. Track Up/Cue Button: ▶▶
10. Memory Button
11. Call Button
12. Open/Close Button
13. Stop/Clear Button
14. Play Button: ▶
15. Pause Button: ||
16. Extra Bass Button
17. Power Button
18. Surround Button
19. Muting Button
20. Volume Up/Down Buttons

■ Proper use of the remote control
Aim (within range of 60° with no obstacles) the remote control at the remote control sensor and operate as shown.

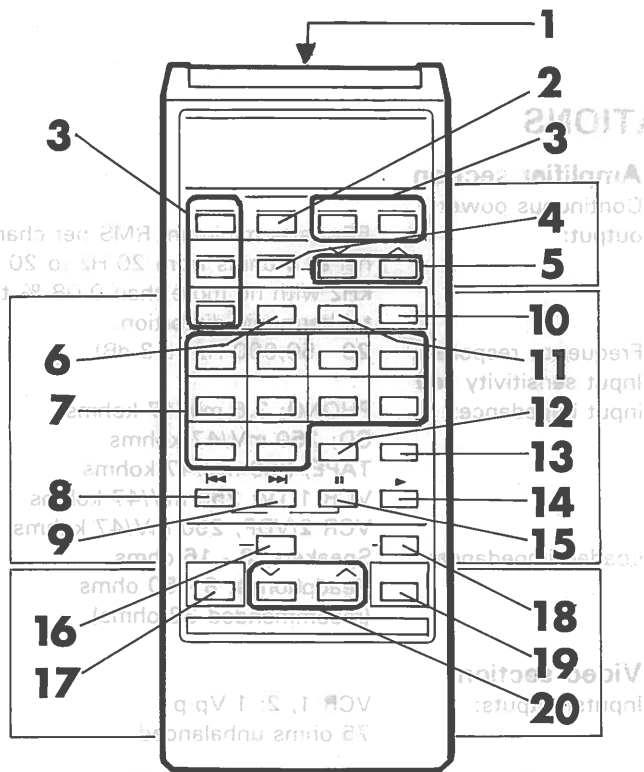


Figure 3 REMOTE CONTROL

1. Function Indicators
2. FM Stereo Indicator: ⊕
3. Preset Channel Indicator
4. Band Indicators
5. Radio Frequency
6. Auto Scan Indicator
7. Station Preset Memory Indicator
8. Function Indicators
9. Surround Indicator
10. Band Selector Button
(FM stereo/FM mono/AM)
11. Auto Scan Button
12. Station Memory Button
13. Muting Indicator
14. Tuning Up/Down Button
15. Extra Bass Indicator
16. Preset Up/Down Button
17. Video Monitor Indicators
18. Power On/Stand-By Indicator
19. Power Switch
20. Graphic Equalizer Controls
21. Balance Control
22. Volume Control and Indicator
23. Headphone Jack
24. Speaker Selector Buttons
25. Remote Control Sensor
26. Tape Monitor Button
27. Function Selector Buttons
28. Muting Button
29. Surround Button
30. Extra Bass Button
31. Battery Compartment
32. External FM 300 Ohms Antenna Terminals
33. External AM Antenna Terminal
34. External AM Antenna Ground Terminal
35. External FM 75 Ohms Antenna Connector
36. Phono Ground Terminal
37. Phono Input Jacks
38. Tape Playback Jacks
39. Tape Record Output Jacks
40. CD Input Jacks
41. VCR 1/TV Input Jacks
42. VCR 1/TV Output Jacks
43. VCR 2/VDP Input Jacks
44. Rear Speaker Terminals
45. Main Speaker Terminals
46. System Control Jacks
47. Video Monitor Output Jack
48. Switched AC Outlet
49. Unswitched AC Outlet
50. AC Power Cord

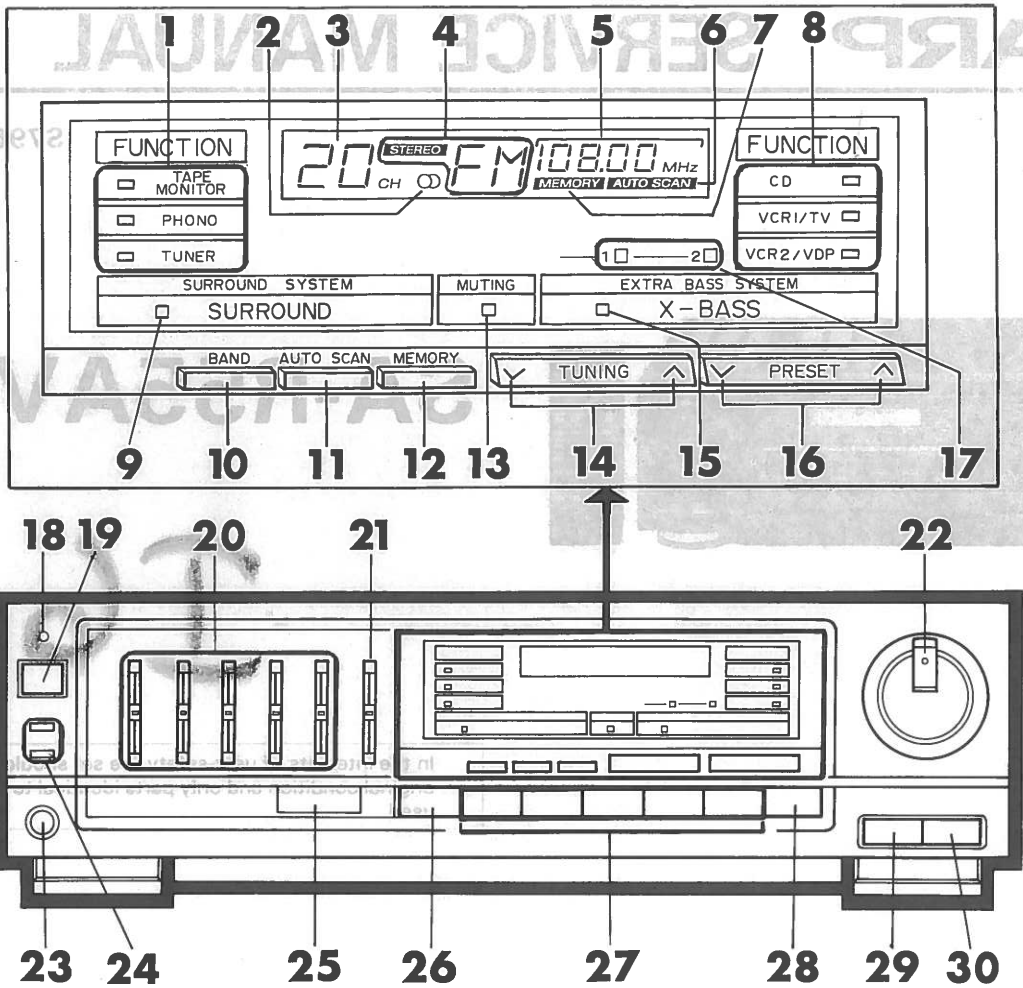


Figure 4-1

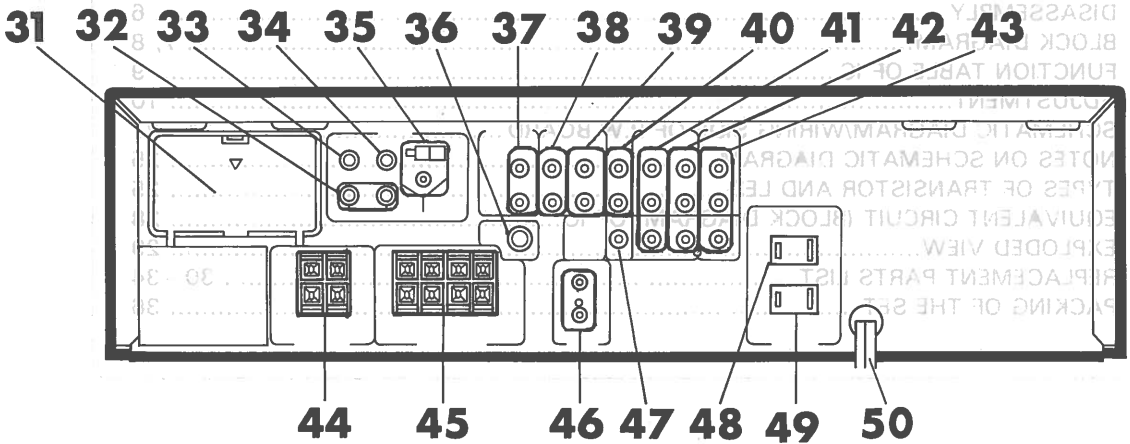


Figure 4-2

RADIO OPERATION

■ Manual tuning: Figure 5-1

- Turn off the POWER switch of the television.

- 1 Set the POWER switch to ON/STAND-BY.
 - 2 Turn off the TAPE MONITOR button.
 - 3 Press the TUNER button.
 - 4 Select the desired frequency band. (FM STEREO, FM or AM)
- To receive FM stereo transmissions, set the BAND selector button to FM STEREO. If the sound is poor, then set the BAND selector button to FM.
 - The "D" indicator lights up when an FM stereo broadcast is received.
 - Please note that when the unit is being tuned in the FM STEREO position, inter-station-noise as well as weak stations are suppressed. Only in the FM position, can weak and noisy stations be received.
- 5 Use the TUNING (V or ^) button to tune in the desired station. Holding it down for more than 0.5 sec. will cause the frequency to change until the button is released.
 - 6 To switch the unit off after use, set the POWER switch to OFF.

Note:

Memory recalls the last station received even after changing the BAND selector button or setting the POWER switch to OFF with the batteries installed in the unit.

■ Auto tuning: Figure 5-2

- 1 Perform steps 1 - 4 of the "Manual tuning" section.
 - 2 Press the AUTO SCAN button, and the AUTO SCAN indicator on the display will light up.
 - 3 Press the TUNING (V or ^) button to tune in a station. The tuning stops automatically when a station is received.
 - 4 Repeat the step 3 until you find the desired station.
- To stop the auto scanning at any time, press the AUTO SCAN button again.

■ Preset tuning: Figure 5-3

You can store up to 30 stations (20 FM stations and 10 AM stations) and recall them together with their FM reception mode (stereo or mono), at the push of a button.

- 1 Perform steps 1 - 5 of the "Manual tuning" section.
- 2 Press the MEMORY button, so that the display's "MEMORY", "station number" and "CH" indicators flash.
- 3 Press the PRESET (V or ^) button to make the station number to be preset flash in the display.
- 4 Press the MEMORY button to store the selected station in the selected station preset number memory.
- 5 Repeat steps 1 - 4 to set the other preset stations, or to change a preset station.

Backup function:

If the batteries are installed in the unit, all station presettings will be protected even if there should be a power failure.

■ To recall a memorized station: Figure 5-4

- Preset stations can be selected from the remote control.
 - Turn off the POWER switch of the television.
- 1 Set the POWER switch to ON/STAND-BY.
 - 2 Turn off the TAPE MONITOR button.
 - 3 Press the TUNER button.
 - 4 Select the desired frequency band. (FM STEREO, FM or AM)
 - 5 Press the PRESET (V or ^) button to recall a preset channel number. The caption FM STEREO, FM or AM and a frequency will appear in the display.

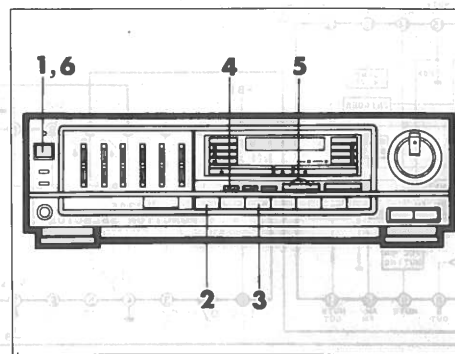


Figure 5-1

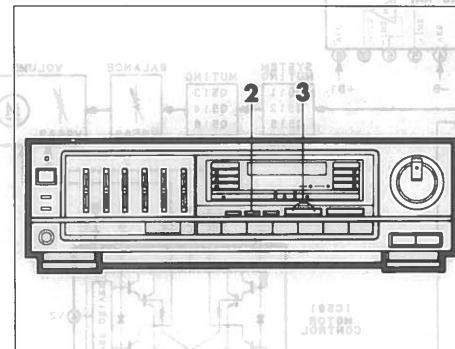


Figure 5-2

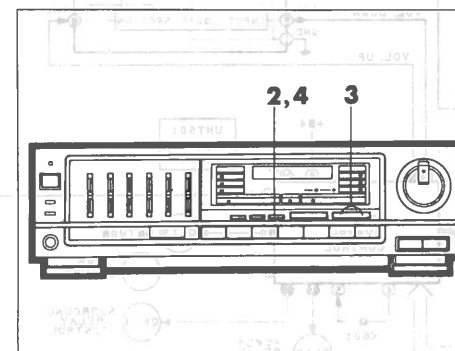


Figure 5-3

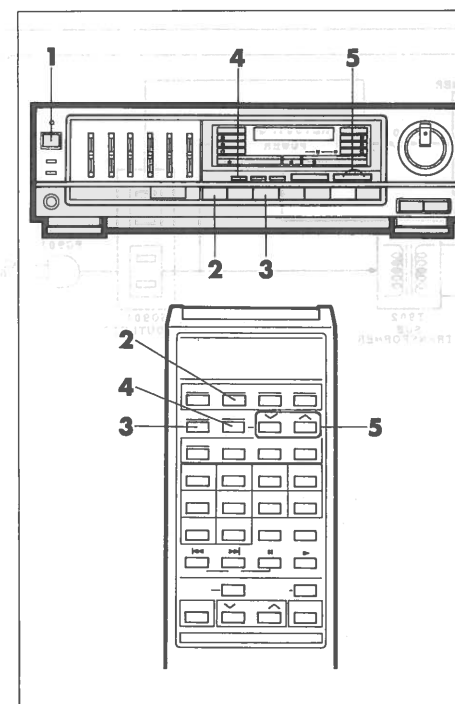


Figure 5-4

Caution on Disassembly

Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep its safety and excellent performance:

1. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
2. Take off nylon bands or wire holders where they need be removed when disassembling the unit. After servicing the unit, be sure to rearrange to where they were before disassembling.
3. Take sufficient care on static electricity of integrated circuits and circuits when servicing.

STEP	REMOVAL	PROCEDURE	FIGURE
1	Cabinet	1. Screw (A1)x11	6-1
2	Front Panel	1. Screw (B1)x15 2. Socket (B2)x1 3. Hook (B3)x2	6-2
3	Tuner PWB	1. Screw (C1)x2 2. Socket (C2)x3	6-3
4	Amp PWB	1. Screw (D1)x14 2. Socket (D2)x4	6-3
5	Volume PWB	1. Socket (E1)x1 2. Knob (E2)x1 3. Nut (E3)x1	6-4
6	Headphone PWB	1. Screw (F1)x3	6-4
7	Sensor/Control/Switch PWB	1. Knob (G1)x6 2. Screw (G2)x16	6-4 6-5

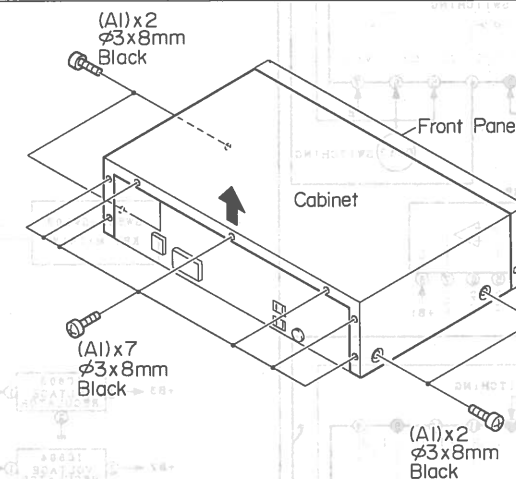


Figure 6-1

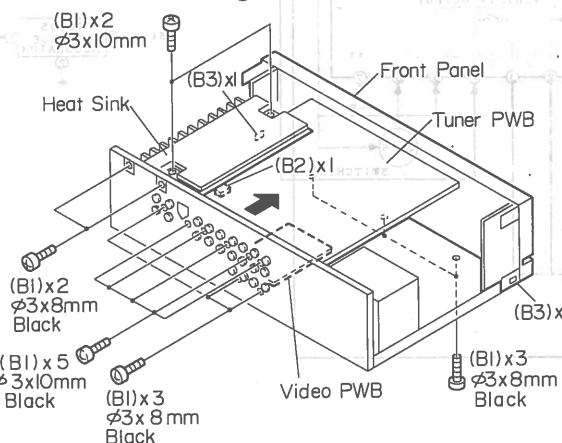


Figure 6-2

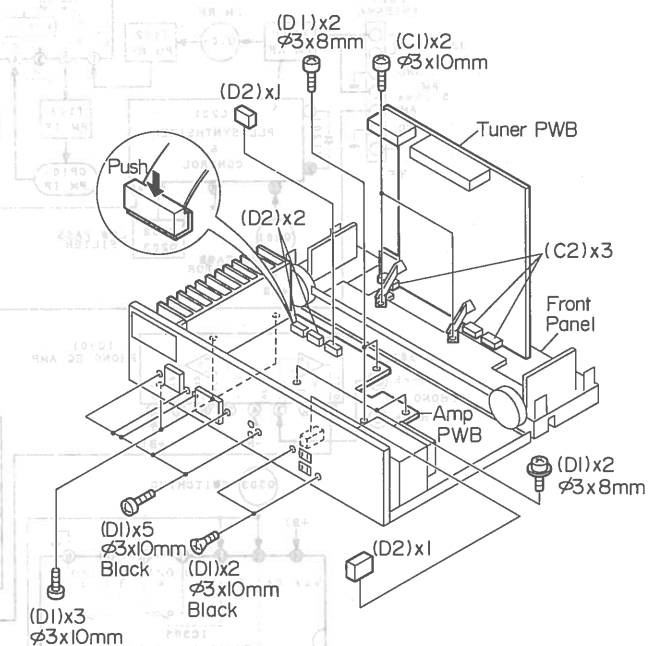


Figure 6-3

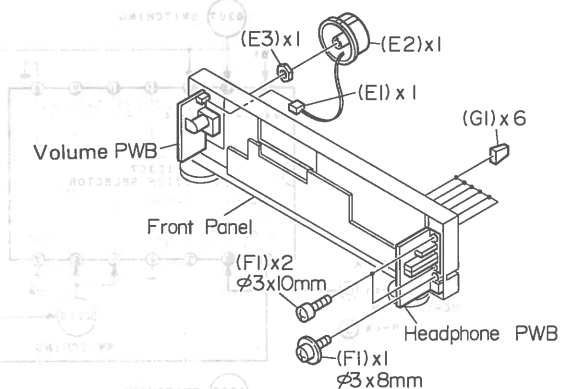


Figure 6-4

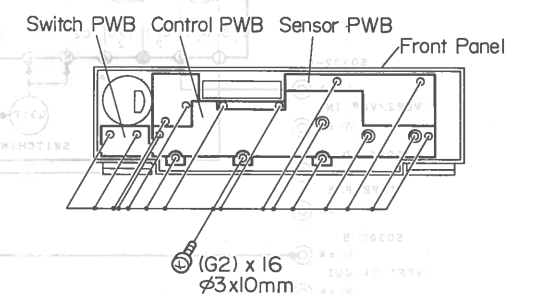


Figure 6-5

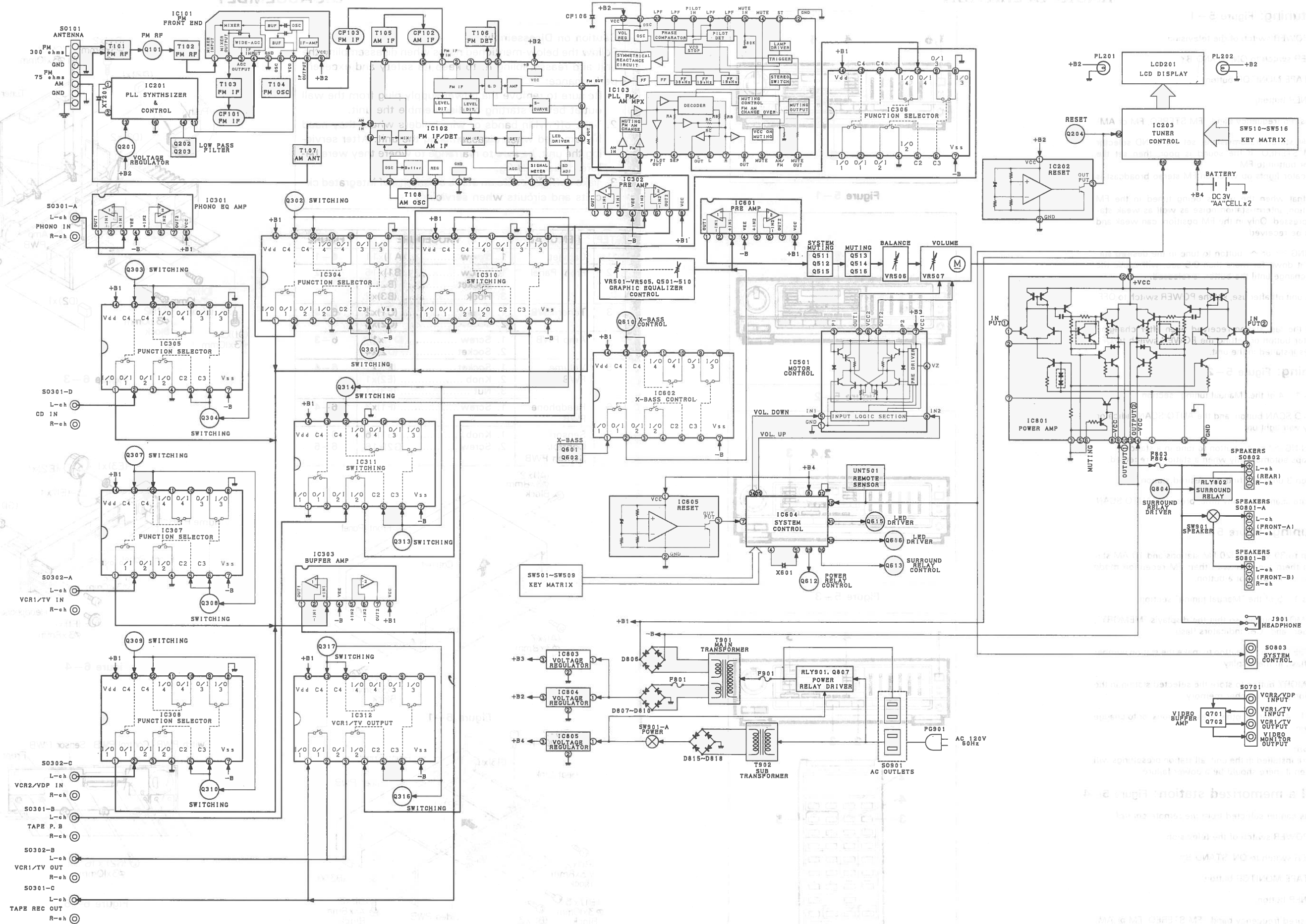


Figure 7 BLOCK DIAGRAM

FUNCTION TABLE OF IC

ADJUSTMENT

RH-IX1684AFZZ

Pin No.	Name	Input/Output	Function
1	F1	Output	Key matrix output
2	F2	Output	Key matrix output
3	F3	Output	Key matrix output
4	XOUT	Output	Output terminal for built-in clock circuit.
5	XIN	Input	Connect the ceramic resonator (2 MHz). Input terminal for built-in clock circuit. Connect the ceramic resonator (2 MHz).
6	CE	Input	Connect to VDD.
7	RESET	Input	Reset input
8	VDD	—	Connect to the power supply (+5 V).
9	CNTR	—	Not used. Connect to GND.
10	INT	Input	Remote control input
11	C	—	Not used. Open
12	XBS-A	Output	X-BASS-A control output
13*	XBS-B	Output	X-BASS-B control output
14*	RMC.IND	Output	Remote control indicator output
15	M.TAPE	Output	Tape monitor control output
16	PHONO	Output	Phono control output
17	TUNER	Output	Tuner control output
18*	TAPE	Output	Tape control output
19	CD	Output	CD control output
20	CNVss	—	Connect to ground.
21	Vss	—	Connect to ground.
22	A.VCR-1	Output	VCR-1 audio control output
23	A.VCR-2	Output	VCR-2 audio control output
24*	A.VCR-3	Output	VCR-3 audio control output
25	A.MUT	Output	Audio muting output
26	SRND-A	Output	Surround-A control output
27*	SRND-B	Output	Surround-B control output
28*	MONO/ST	Output	Mono/Stereo output
29	PWR	Output	Power ON/OFF output
30	V.VCR-1	Output	VCR-1 visual output
31	V.VCR-2	Output	VCR-2 visual output
32*	V.VCR-3	Output	VCR-3 visual output
33	S.MUT	Output	System muting output
34	VOL.DWN	Output	Volume down output
35	VOL.UP	Output	Volume up output
36	FLAS	Output	Volume indicator flushing output
37	RMC	Input	Remote control input
38	K0	Input	Key matrix input
39	K1	Input	Key matrix input
40	K2	Input	Key matrix input
41	K3	Input	Key matrix input
42	F0	Output	Key matrix output

* The terminal with asterisked mark (*) is (open) terminal which is not connected to the outside.

RH-IX1646AFZZ

Pin No.	Name	Input/Output	Function
1	NC	—	Not used
2*	P32	Output	Key matrix output
3	P31	Output	Key matrix output
4	P30	Output	Key matrix output
5	P03/SI	Input	Key matrix output
6	P02/SO	Input	Key matrix input
7	P01/SCK	Input	Key matrix input
8	A-STP-I	Input	IF count stop signal input
9	P62/CE	Output	CE output to PLL
10	P61/DATA	Output	DATA output to PLL
11	P60/CLK	Output	CLOCK output to PLL
12	C-REQ-I	Input	IF count start signal input
13	STEREO	Input	FM stereo signal input
14	P51/SD	Input	SD signal input
15	SYS-STOP	Input	System stop
16	C	Output	Count start output
17	MONO-ST	Output	FM monaural/stereo signal output
18	MUTE	Output	H: FM stereo L: FM monaural*
19	P40	Output	Muting signal output
20*	X2	Output	LCD ON/OFF output
21*	X1	Input	Connect the ceramic resonator
22	Vss	—	Ground
23	VLC3	Input	Power supply input for LCD
24	VLC2	Input	Power supply input for LCD
25	VLC1	Input	Power supply input for LCD
26	VDD	—	Connect to power supply
27	COM3	Output	Not used. Open.
28	COM2	Output	Remote control signal output for LCD
29	COM1	Output	Remote control signal output for LCD
30	COM0	Output	Remote control signal output for LCD
31-54	S23-S0	Output	LCD segment output
55	INT1	Input	Remote control input
56	RESET	Input	Reset input
57	CL1	Input	System clock input
58	VDD	—	Connect to power supply
59	CL2	Output	System clock output
60	P13	Input	Key strobe input
61	P12	Input	Key strobe input
62	P11	Input	Key strobe input
63	STP-MO-I	Input	Stop mode signal input
64	P33	Output	Key matrix output

* The terminal with asterisked mark (*) is (open) terminal which is not connected to the outside.

As for adjusting method refer to the relevant explanation in Service Manual "ADJUSTMENT PROCEDURES OF AUDIO PRODUCTS".

TUNER SECTION

Note: Remove the front panel (provided with tuner PWB) from the chassis, following the steps 1 and 2 of disassembling procedure. Tilt the front panel forward as shown in Fig. 10-1 so that the parts fitting side of the tuner PWB is visible.

fL: Low-range frequency
fH: High range frequency

• AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
IF	450 kHz	1,720 kHz	T105	*1
AM Band Coverage	—	530 kHz	T108 (fL): 1.1 ± 0.1V	*2
AM Tracking	990 kHz	990 kHz	T107	*1

*1. Input: Antenna
Output: TP601

*2. Input: Antenna
Output: TP602

• FM IF/RF

Signal generator: 1 kHz, 75 kHz dev., FM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
Band Coverage	—	87.5 MHz	T104 (fL): 1.85 V ± 50 mV	*1
RF	98.00 MHz (10 - 30 dB)	98.00 MHz	T101, T102	*2
IF	98.00 MHz (10 - 30 dB)	98.00 MHz	—	*2

*1. Input: Antenna
Output: TP602

*2. Input: Antenna
Output: Speaker Terminal

• Detection/Distortion

Signal generator: 1 kHz, 75 kHz dev., FM modulated

Frequency	Frequency Display	Adjusting Parts	Instrument Connection
10.7 MHz	108 MHz	T106	Input: Antenna Output: IC102 10 Pin
98.00 MHz (60 dB)	98.00 MHz	T106*	Input: Antenna Output: TP603, TP604

* Adjust the T106 so that voltmeter reads 0 ± 50 mV.

• FM Auto Stop Level

Signal generator: 1 kHz, 75 kHz dev., FM modulated

Frequency	Frequency Display	Adjusting Parts	Instrument Connection
98.00 MHz (25 dB)	98.00 MHz	VR101	Input: Antenna Output: Speaker terminal

* Adjust so that an output signal appears.

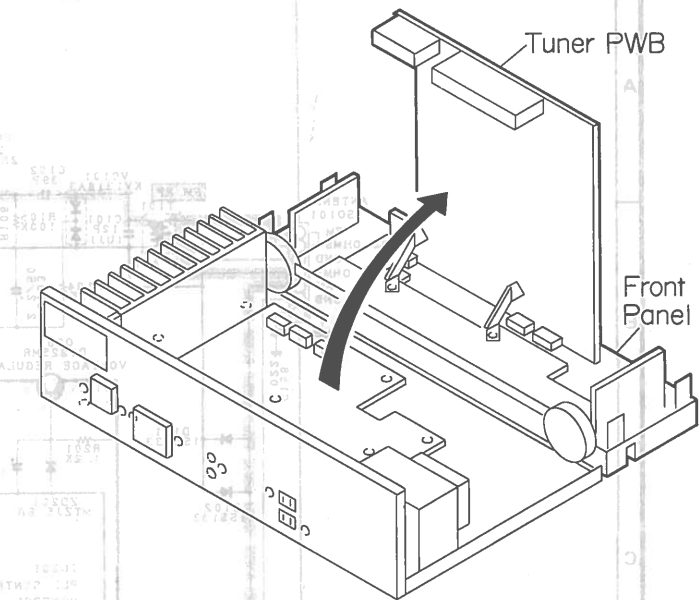


Figure 10-1

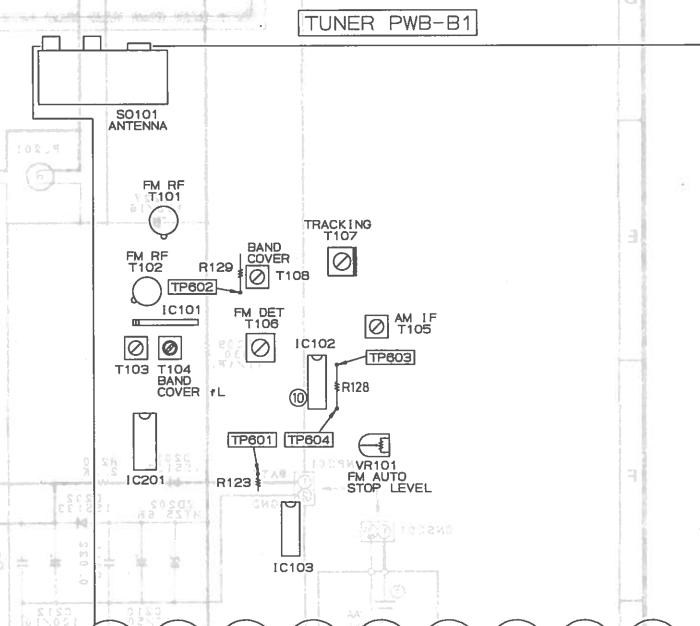
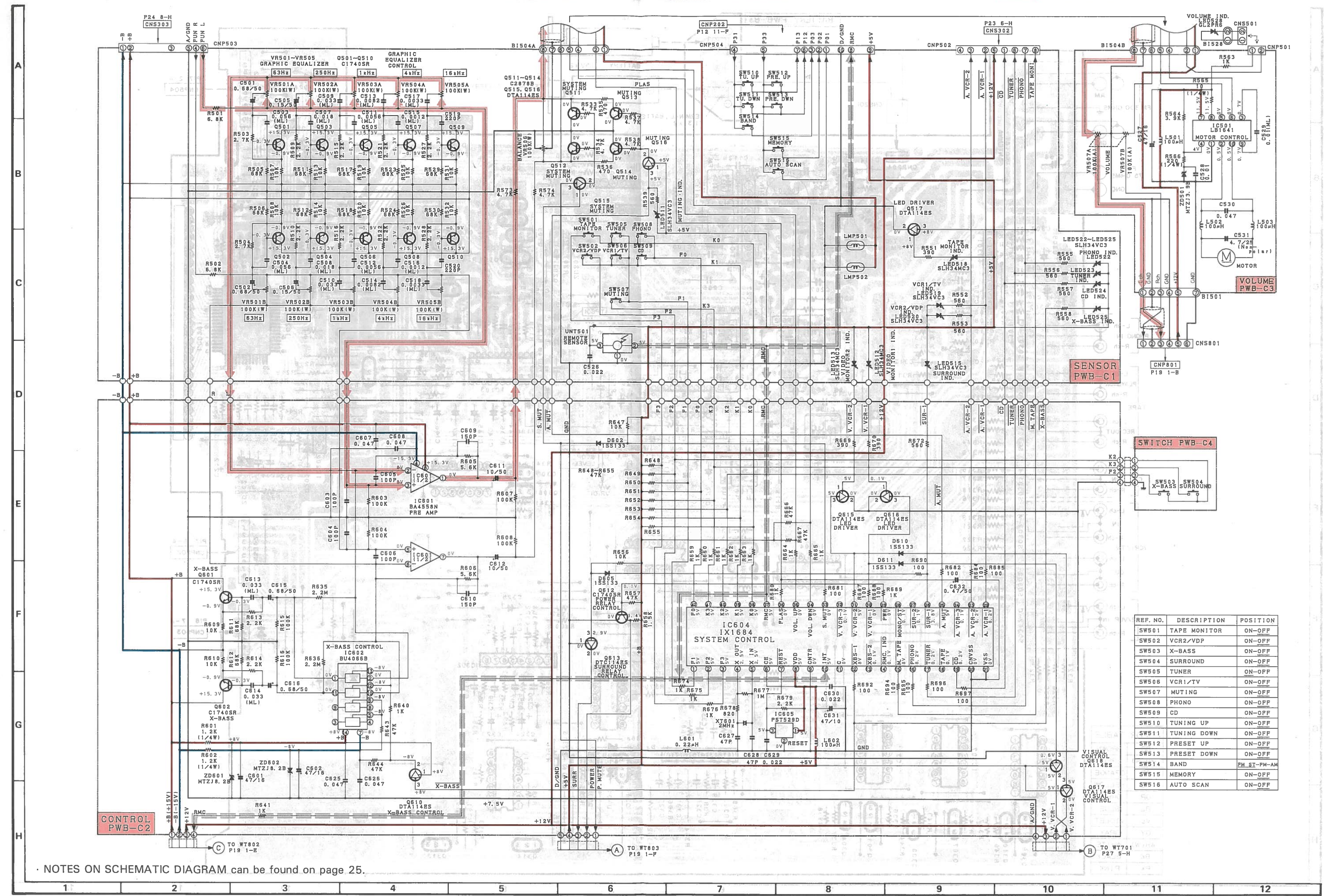


Figure 10-2 ADJUSTMENT POINTS



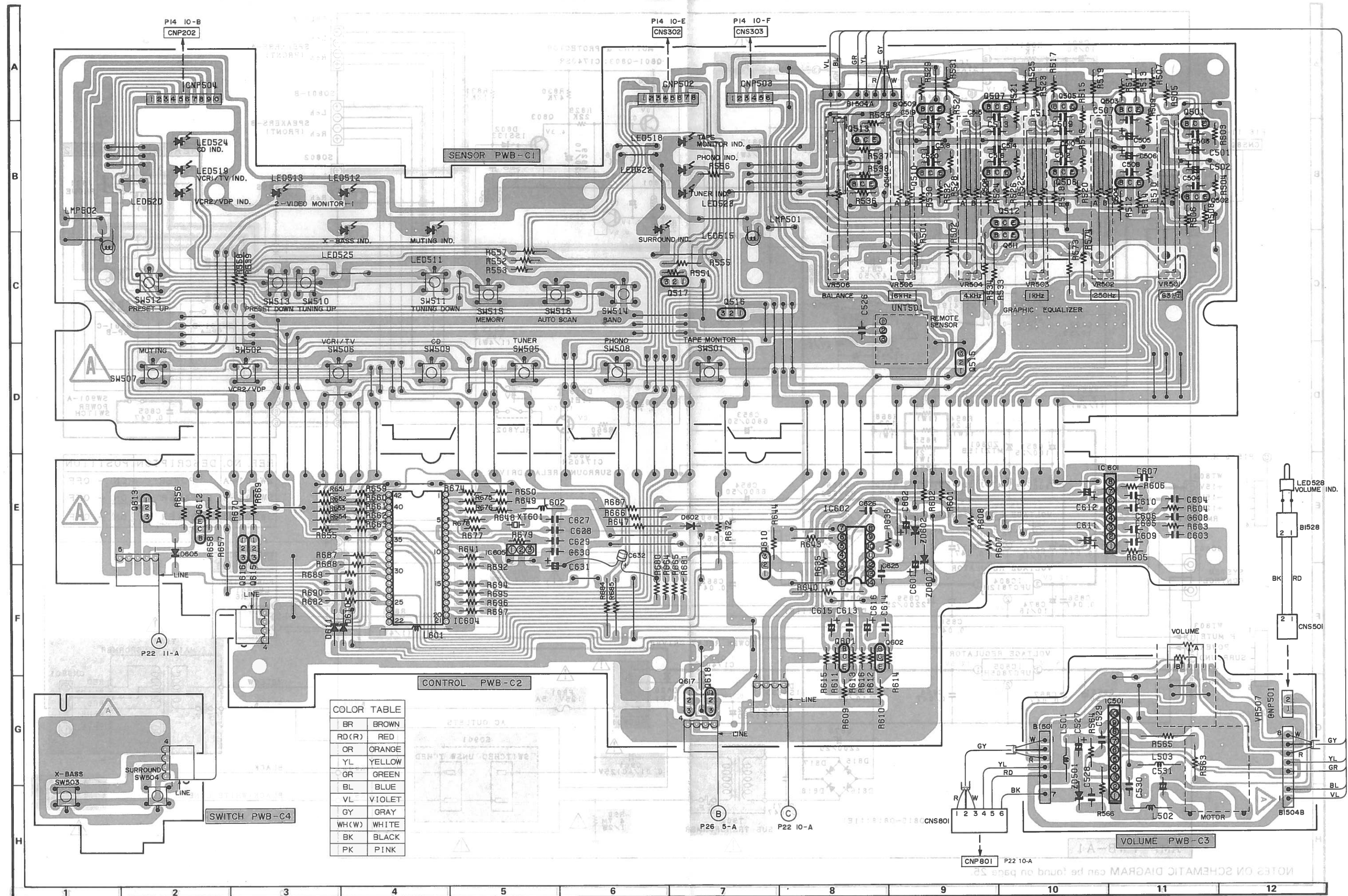
Figure 11 SCHEMATIC DIAGRAM (1/5)

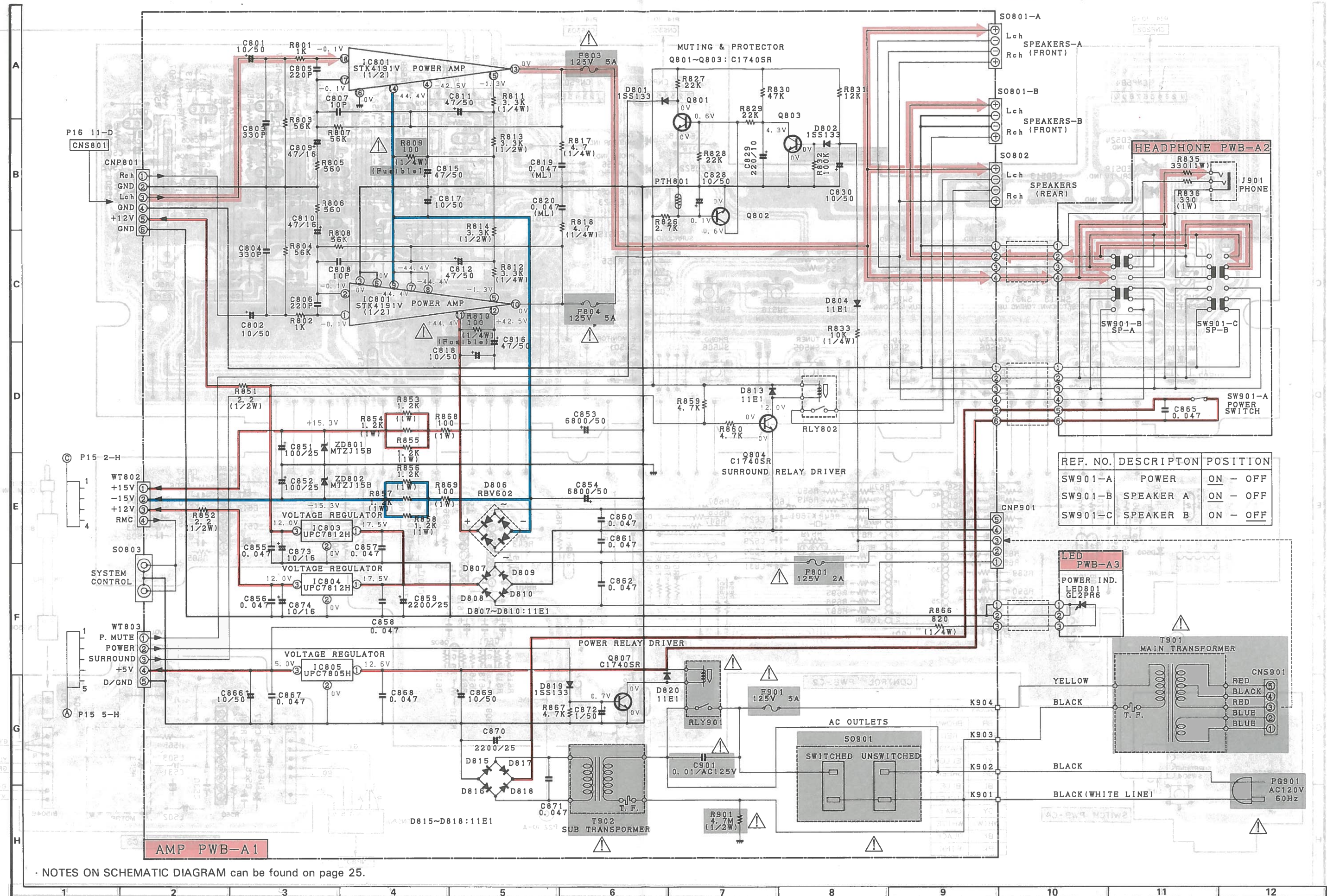




NOTES ON SCHEMATIC DIAGRAM can be found on page 25.

Figure 15 SCHEMATIC DIAGRAM (2/5)





(A) Figure 19 SCHEMATIC DIAGRAM (3/5)

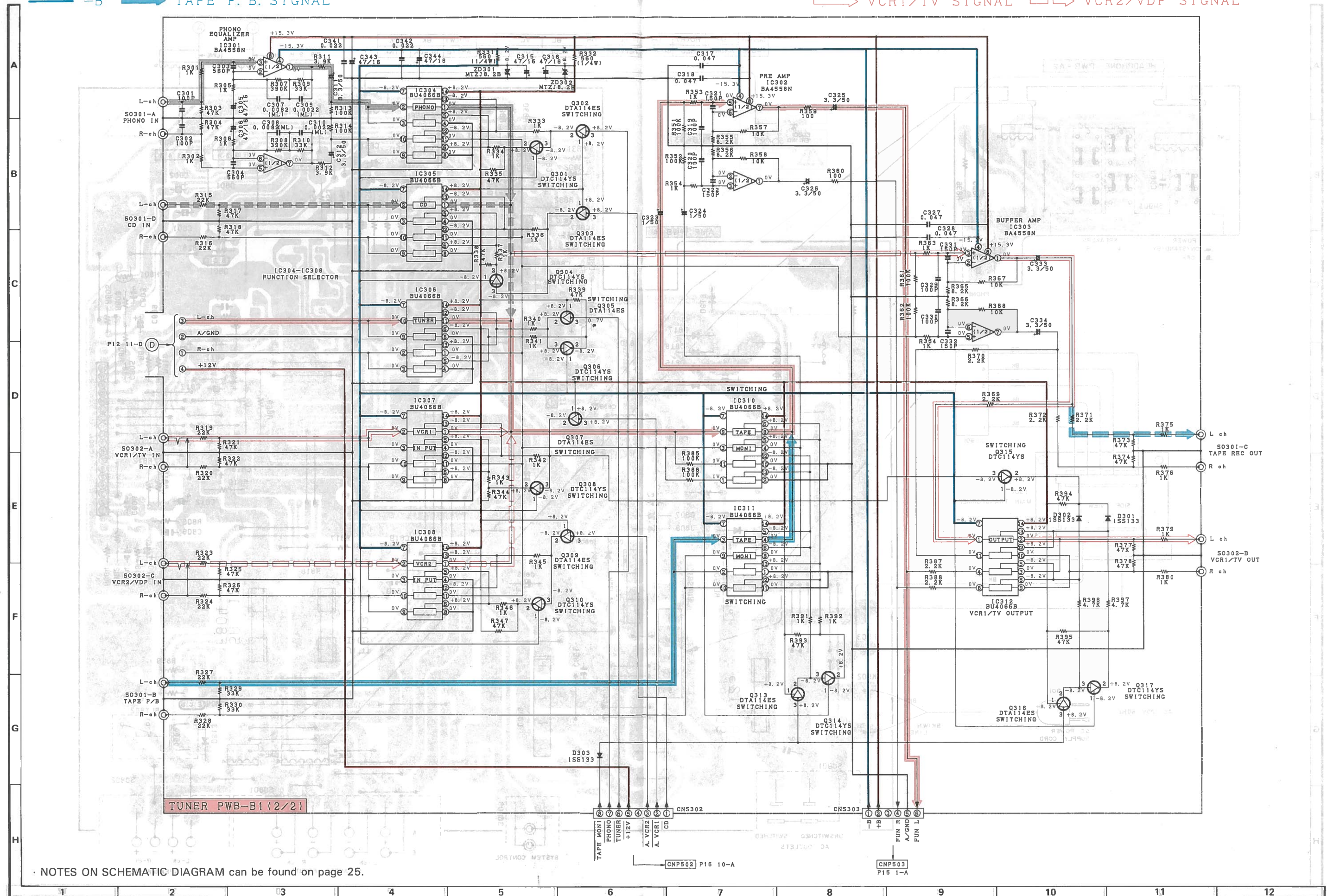


→ PHONO SIGNAL → CD SIGNAL
 -B → TAPE P. B. SIGNAL

SA-R55AV

SA-R55AV

→ +B → FM SIGNAL → TAPE REC SIGNAL
 → VCR1/TV SIGNAL → VCR2/VDP SIGNAL



NOTES ON SCHEMATIC DIAGRAM can be found on page 25.

Figure 23 SCHEMATIC DIAGRAM (4/5)

NOTES ON SCHEMATIC DIAGRAM

• Resistor:

To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with "Fusible" is a fuse type.

• Capacitor:

To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.

(CH), (UJ), (WK): Temperature compensation

(ML): Mylar type

- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- Parts marked with "△" () are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

2SA933 SR
2SC1740 SR
2SC2878 B
2SD1225 MR
DTA114 ES
DTA144 WS
DTC114 ES
DTC114 YS

2SK544 F

GL2PR6

SLH34MC3
SLH34VC3

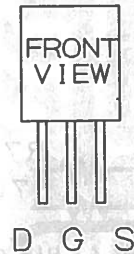
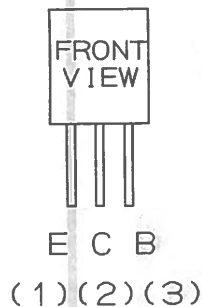


Figure 25 TYPES OF TRANSISTOR AND LED

(CH, UJ) (WK): Temperature compensation

(ML): Mylar type

- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
- Schematic diagram and Wiring Side of P.W. Board for this model are subject to change for improvement without prior notice.
- Parts marked with "Δ" (Δ) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance.

B P18 7-G

LINE

VIDEO PWB-B2

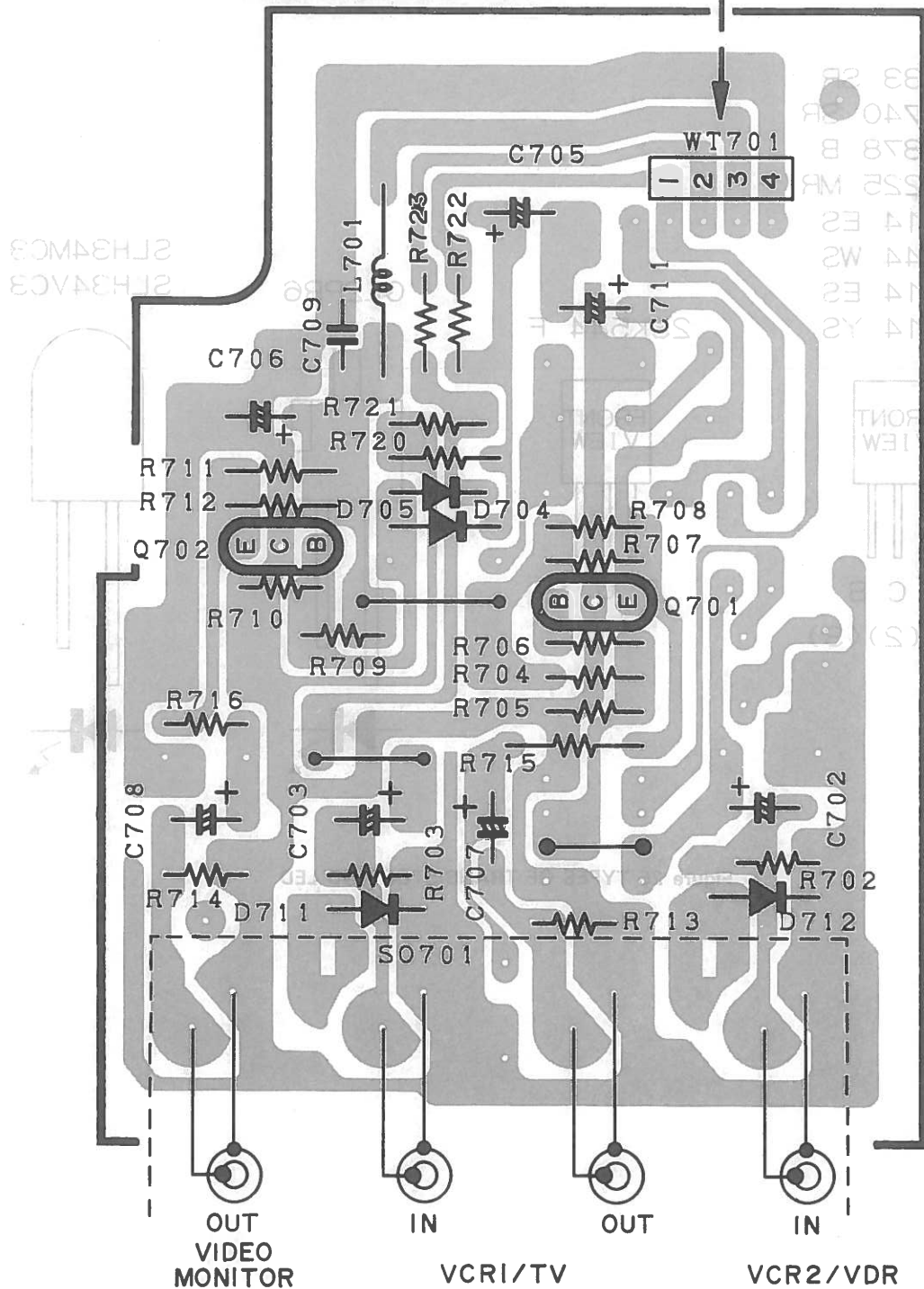


Figure 26 WIRING SIDE OF P.W. BOARD (4/4)



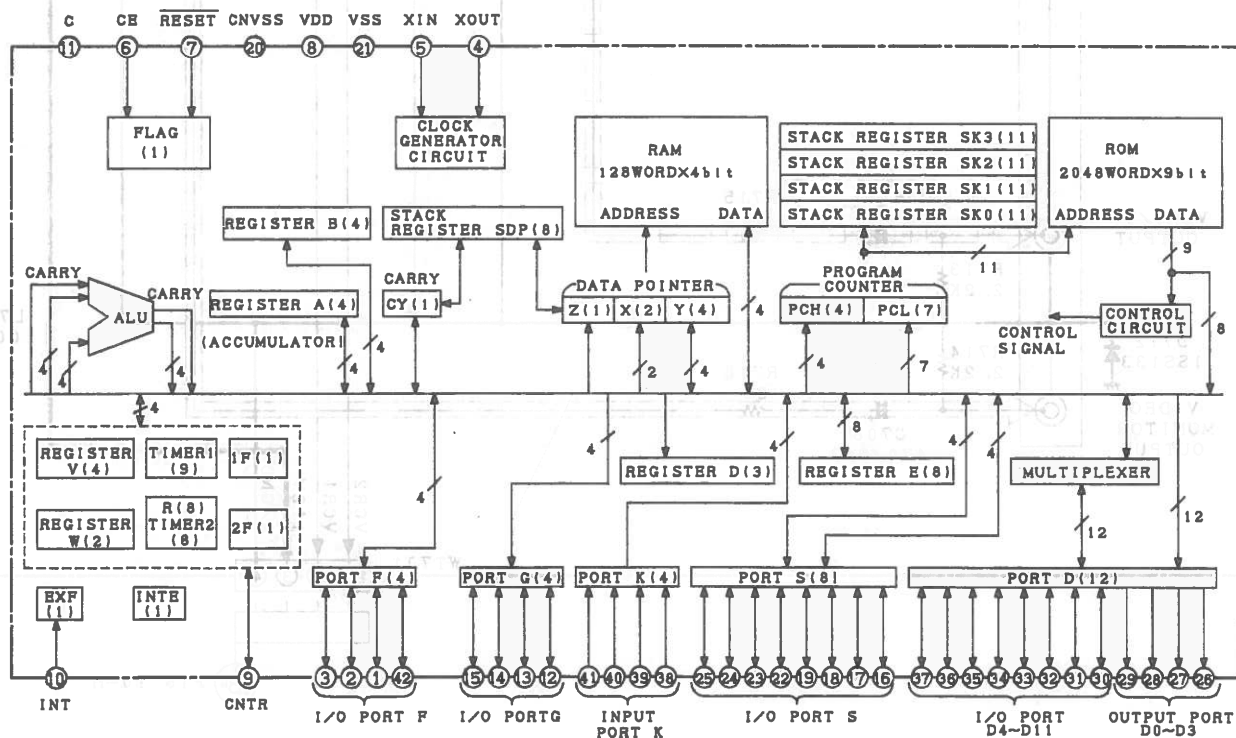
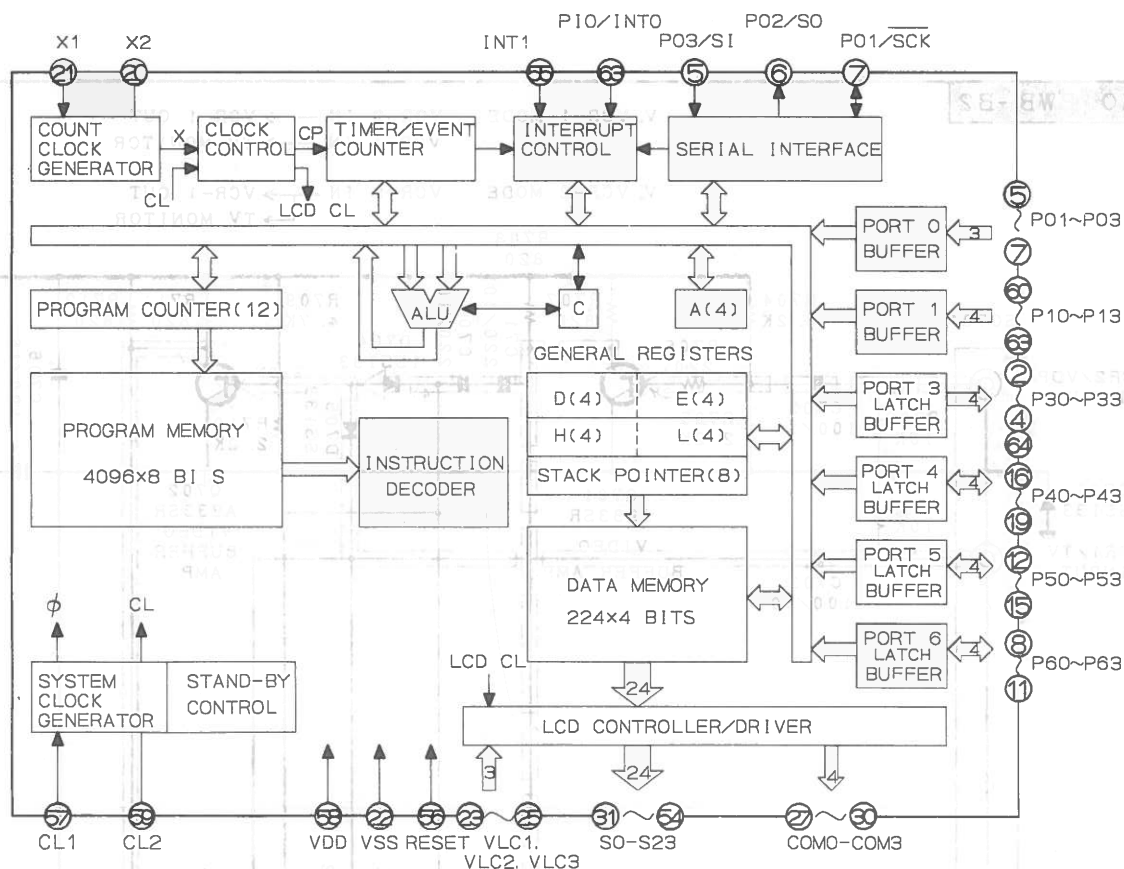


Figure 28 EQUIVALENT CIRCUIT (BLOCK DIAGRAM) OF IC

Figure 29 CABINET EXPLODED VIEW

REPLACEMENT PARTS LIST

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF.NO.
3. PART NO.
4. DESCRIPTION

★MARK: SPARE PARTS-DELIVERY SECTION

Contact your nearest SHARP Parts Distributor to order,

For location of SHARP Parts Distributor.

Please call Toll-Free;
800-447-4700

(In Hawaii and Alaska, please contact local SHARP dealer.)

NOTE:

Parts marked with "△" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF.NO.	PART NO.	★	DESCRIPTION	CODE	REF.NO.	PART NO.	★	DESCRIPTION	CODE
INTEGRATED CIRCUITS					DIODES				
IC101	VHiLA1177/-1	J	FM Front End,LA1177	A M	Q610	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B
IC102	VHiLA1265S/-1	J	FM IF/Det & AM IF,LA1265 S	A U	Q612	VS2SC1740SR-1	J	Silicon,NPN,2SC1740 SR	A B
IC103	VHiLA3401/-1	J	PLL AM/FM MPX.,LA3401	A K	Q613	VS2TC114ES/-1	J	Digital,NPN,DTC114 ES	A B
IC201	VHiLM7001/-1	J	PLL Synthesizer Control, LM7001	A L	Q615~618	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B
IC202	VHiPST529D/-1	J	Reset,PST529D	A F	Q701,702	VS2SA933SR/-1	J	Silicon,PNP,2SA933 SR	A B
IC203	RH-iX1646AFZZ	J	Tuner Control,IX1646	A T	Q801~804	VS2SC1740SR-1	J	Silicon,NPN,2SC1740 SR	A B
IC301	VHiBA4558N/-1	J	Phono Equalizer Amp., BA4558N	A C	Q807	VS2SC1740SR-1	J	Silicon,NPN,2SC1740 SR	A B
IC302	VHiBA4558N/-1	J	Pre Amp.,BA4558N	A C	TRANSISTORS				
IC303	VHiBA4558N/-1	J	Buffer Amp.,BA4558N	A C	Q101	VS2SK544F/-1	J	FET,2SK544 F	A F
IC304~308	VHiBU4066B/-1	J	Function Selector,BU4066B	A F	Q102	VS2TA144WS/-1	J	Digital,PNP,DTA144 WS	A C
IC310,311	VHiBU4066B/-1	J	Switching,BU4066B	A F	Q103	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B
IC312	VHiBU4066B/-1	J	VCR1/TV Output	A F	Q104	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B
IC501	VHiLB1641/-1	J	Motor Control,LB1641	A F	Q105,106	VS2SC1740SR-1	J	Silicon,NPN,2SC1740 SR	A B
IC601	VHiBA4558N/-1	J	Pre Amp.,BA4558N	A C	Q201	VS2SD1225MR-1	J	Silicon,NPN,2SD1225 MR	A C
IC602	VHiBU4066B/-1	J	X-Bass Control,BU4066B	A F	Q202~204	VS2SC1740SR-1	J	Silicon,NPN,2SC1740 SR	A B
IC604	RH-iX1684AFZZ	J	System Control,IX1684	A P	Q301	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B
IC605	VHiPST529D/-1	J	Reset,PST529D	A F	Q302,303	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B
IC801	VHiSTK4191V-1	J	Power Amp.,STK4191V	B A	Q304	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B
IC803,804	VHiUPC7812H-1	J	Voltage Regulator, μPC7812H	A L	Q305	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B
IC805	VHiUPC7805H-1	J	Voltage Regulator, μPC7805H	A H	Q306	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B
TRANSISTORS					Q307	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B
Q101	VS2SK544F/-1	J	FET,2SK544 F	A F	Q308	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B
Q102	VS2TA144WS/-1	J	Digital,PNP,DTA144 WS	A C	Q309	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B
Q103	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B	Q310	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B
Q104	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B	Q313	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B
Q105,106	VS2SC1740SR-1	J	Silicon,NPN,2SC1740 SR	A B	Q314,315	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B
Q201	VS2SD1225MR-1	J	Silicon,NPN,2SD1225 MR	A C	Q316	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B
Q202~204	VS2SC1740SR-1	J	Silicon,NPN,2SC1740 SR	A B	Q317	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B
Q301	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B	Q501~510	VS2SC1740SR-1	J	Silicon,NPN,2SC1740 SR	A B
Q302,303	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B	Q511~514	VS2SC2878B/-1	J	Silicon,NPN,2SC2878 B	A C
Q304	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B	Q515~517	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B
Q305	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B	Q601,602	VS2SC1740SR-1	J	Silicon,NPN,2SC1740 SR	A B
Q306	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B	FILTERS				
Q307	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B	CF101	RFiLF0163AFZZ	J	FM IF	A C
Q308	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B	CF102	RFiLA0163AFZZ	J	AM IF	A L
Q309	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B	CF103	RFiLF0163AFZZ	J	FM IF	A C
Q310	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B	CF104	RFiLA0168AFZZ	J	AM IF	A G
Q313	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B	TRANSFORMERS				
Q314,315	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B	△T901	92LPT-1460A	J	Main	B K
Q316	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B	△T902	92LPT-1460B	J	Sub	A R
Q317	VS2TC114YS/-1	J	Digital,NPN,DTC114 YS	A B					
Q501~510	VS2SC1740SR-1	J	Silicon,NPN,2SC1740 SR	A B					
Q511~514	VS2SC2878B/-1	J	Silicon,NPN,2SC2878 B	A C					
Q515~517	VS2TA114ES/-1	J	Digital,PNP,DTA114 ES	A B					
Q601,602	VS2SC1740SR-1	J	Silicon,NPN,2SC1740 SR	A B					

REF.NO.	PART NO.	★	DESCRIPTION	CODE	REF.NO.	PART NO.	★	DESCRIPTION	CODE
COILS									
L201	VP-CH2R2M0000	J 2.2 μ H,Choke	A B	C109	RC-GZA106AF1H	J 10 μ F,50V,Electrolytic	A B		
L501~503	VP-CH101K0000	J 100 μ H,Choke	A B	C110	VCTYBT1EF223Z	J 0.022 μ F,25V	A A		
L601	VP-DHR22M0000	J 0.22 μ H,Choke	A B	C111	VCCCBT1HH120J	J 12 pF (CH),50V	A A		
L602	VP-DH101K0000	J 100 μ H,Choke	A B	C112	VCTYBT1EF223Z	J 0.022 μ F,25V	A A		
L701	VP-CH101K0000	J 100 μ H,Choke	A B	C113	VCCCBT1HH180J	J 18 pF (CH),50V	A A		
T101	92LC01LA-1460B	J FM Antenna	A F	C114	VCCCBT1HH220J	J 22 pF (CH),50V	A A		
T102	92LC01LR-1460A	J FM RF	A F	C115	VCTYBT1EF223Z	J 0.022 μ F,25V	A A		
T103	RCiLi0417AFZZ	J FM IF	A F	C116	RC-GZA106AF1H	J 10 μ F,50V,Electrolytic	A B		
T104	RCiLB0796AFZZ	J FM Oscillation	A D	C117,118	VCKZPA1HF473Z	J 0.047 μ F,50V	A A		
T105	RCiLi0401AFZZ	J AM IF	A F	C119	RC-GZA106AF1H	J 10 μ F,50V,Electrolytic	A B		
T106	RCiLD0108AFZZ	J FM Detector	A K	C120	RC-GZA105AF1H	J 1 μ F,50V,Electrolytic	A B		
T107	92LC01LA-1460A	J AM Antenna	A D	C121	RC-GZA106AF1H	J 10 μ F,50V,Electrolytic	A B		
T108	RCiLB1074AFZZ	J AM Oscillation	A B	C122,123	RC-GZA105AF1H	J 1 μ F,50V,Electrolytic	A B		
VARIABLE RESISTORS					C124	VCTYBT1CY103M	J 0.01 μ F,16V	A A	
VR101	RVR-M0393AFZZ	J 30 kohms (B),Semi-VR [FM Auto Stop Level]	A B	C125	RC-GZA224AF1H	J 0.22 μ F,50V,Electrolytic	A A		
VR501~505	RVR-W0043AFZZ	J 100 kohm (W)X2 [Graphic Equalizer]	A F	C126	VCKYBT1HB101K	J 100 pF,50V	A A		
VR506	92LVR-1460B	J 100 kohm (W) [Balance]	A F	C127	VCTYBT1CY103M	J 0.01 μ F,16V	A A		
VR507	92LVR-1460C	J 100 kohm (A)X 2 [Volume]	A X	C128,129	VCKZPA1HF473Z	J 0.047 μ F,50V	A A		
VARIABLE CAPACITORS					C130	RC-GZA107AF1C	J 100 μ F,16V,Electrolytic	A B	
VC101~103	VHCKV1310A3-1	J Variable Capacitance, KV1310A3	A N	C131	VCKZPA1HF473Z	J 0.047 μ F,50V	A A		
VC104,105	VHCKV1236Z23F	J Variable Capacitance, KV1236Z	A S	C132	RC-GZA105AF1H	J 1 μ F,50V,Electrolytic	A B		
VIBRATORS					C133	VCTYBT1EF223Z	J 0.022 μ F,25V	A A	
CF106	RCRM-0061AFZZ	J Ceramic,18.950 kHz	A G	C134	VCKYBT1HB151K	J 150 pF,50V	A A		
XT201	RCRSB0146AFZZ	J Crystal,7.2 MHz	A H	C135	VCCWPU1HK120J	J 12 pF (WK),50V	A B		
XT601	RCRM-0060AFZZ	J Ceramic,2 MHz	A H	C136,137	VCKZPA1HF473Z	J 0.047 μ F,50V	A A		
THERMISTOR					C138	VCCSBT1HL330J	J 33 pF,50V	A A	
PTH801	RH-QX1001AFZZ	J Positive Coefficient	A F	C139	VCQSPA1HL471J	J 470 pF,50V,Styrol	A B		
CAPACITORS					C140	VCCWPU1HK200J	J 20 pF (WK),50V	A B	
There are two types of capacitors available and they can be identified from each other by reading their Part Numbers.					C141	VCKZPA1HF473Z	J 0.047 μ F,50V	A A	
• Ceramic type capacitor, A symbol "C" or "K" is given at the 3rd digit of its Part Number like "VCC (or K).....J."					C142	RC-GZA107AF1C	J 100 μ F,16V,Electrolytic	A B	
• Semiconductor type capacitor, A symbol "T" is given at the 3rd digit of its Part Number like "VCT.....J."					C143	RC-GZA105AF1H	J 1 μ F,50V,Electrolytic	A B	
The capacitance error of each capacitor is indicated by the symbol given at the 13th digit of the Part Number as follows:"J" ($\pm 5\%$), "K" ($\pm 10\%$), "M" ($\pm 20\%$), "N" ($\pm 30\%$), "C" (± 0.25 pF), "D" (± 0.5 pF), "Z" ($\pm 80-20\%$).					C144	RC-GZA224AF1H	J 0.22 μ F,50V,Electrolytic	A A	
(Tubular type ceramic capacitor is identified by the symbol TV(TQ/CY) of the part NO. VC00TV(TQ/CY)0000000; this TV(TQ/CY) does not mean the lead wire.)					C145~147	RC-GZA105AF1H	J 1 μ F,50V,Electrolytic	A B	
(Tubular type ceramic capacitor is identified by the symbol MF(MN) of the part NO. VC00MF(MN)0000000; this MF(MN) does not mean the lead wire.)					C148	VCTYPA1EX473K	J 0.047 μ F,25V	A A	
Unless otherwise specified, electrolytic capacitors are $\pm 20\%$ type.					C149	RC-GZA105AF1H	J 1 μ F,50V,Electrolytic	A B	
C101	VCCUBT1HJ120J	J 12 pF (UJ),50V	A A	C150	RC-GZA106AF1H	J 10 μ F,50V,Electrolytic	A B		
C102	VCCSBT1HL390J	J 39 pF,50V	A A	C151	VCKYBT1HB102K	J 0.001 μ F,50V	A A		
C103	RC-GZA225AF1H	J 2.2 μ F,50V,Electrolytic	A B	C152	RC-GZA106AF1H	J 10 μ F,50V,Electrolytic	A B		
C104	VCTYBT1EF223Z	J 0.022 μ F,25V	A A	C153,154	VCKYBT1HB821K	J 820 pF,50V	A A		
C105	VCTYBT1CX222M	J 0.0022 μ F,16V	A A	C155,156	RC-GZA105AF1H	J 1 μ F,50V,Electrolytic	A B		
C106	RC-GZA474AF1H	J 0.47 μ F,50V,Electrolytic	A A	C157	RC-GZA106AF1H	J 10 μ F,50V,Electrolytic	A B		
C107	VCTYBT1CY103M	J 0.01 μ F,16V	A A	C158	VCTYBT1EF223Z	J 0.022 μ F,25V	A A		
C108	VCCUBT1HJ110J	J 11 pF (UJ),50V	A A	C159	VCKYBT1HB102K	J 0.001 μ F,50V	A A		
				C160	VCCUBT1HJ100J	J 10 pF (UJ),50V	A A		
				C161	VCCWPU1HK120J	J 12 pF (WK),50V	A B		
				C200	VCKZPA1HF223Z	J 0.022 μ F,50V	A A		
				C201	RC-GZA107AF1A	J 100 μ F,10V,Electrolytic	A B		
				C202	VCKZPA1HF223Z	J 0.022 μ F,50V	A A		
				C203	RC-GZA476AF1C	J 47 μ F,16V,Electrolytic	A B		
				C205	VCTYBT1CY103M	J 0.01 μ F,16V	A A		
				C206	RC-GZA475AF1H	J 4.7 μ F,50V,Electrolytic	A B		
				C207	VCTYBT1EF223Z	J 0.022 μ F,25V	A A		
				C208	VCCCBT1HH180J	J 18 pF (CH),50V	A A		
				C209	VCCCBT1HH150J	J 15 pF (CH),50V	A A		
				C210	RC-GZA106AF1H	J 10 μ F,50V,Electrolytic	A B		
				C211	VCTYBT1EF223Z	J 0.022 μ F,25V	A A		
				C212	RC-GZA107AF1A	J 100 μ F,10V,Electrolytic	A B		
				C213~215	VCTYBT1EF223Z	J 0.022 μ F,25V	A A		
				C216~218	VCTYBT1CY103M	J 0.01 μ F,16V	A A		
				C219~224	VCKYBT1HB101K	J 100 pF,50V	A A		
				C225	VCCSBT1HL330J	J 33 pF,50V	A A		
				C226	RC-GZA104AF1H	J 0.1 μ F,50V,Electrolytic	A B		
				C227	RC-GZA107AF1C	J 100 μ F,16V,Electrolytic	A B		
				C301,302	VCCSPA1HL101J	J 100 pF,50V	A A		
				C303,304	VCCSPA1HL561J	J 560 pF,50V	A A		
				C305,306	RC-GZA476AF1C	J 47 μ F,16V,Electrolytic	A B		
				C307,308	VCQYKA1HM822J	J 0.0082 μ F,50V,Mylar	A B		
				C309,310	VCQYKA1HM222J	J 0.0022 μ F,50V,Mylar	A B		
				C311,312	RC-GZA335AF1H	J 3.3 μ F,50V,Electrolytic	A B		
				C315,316	RC-GZA476AF1C	J 47 μ F,16V,Electrolytic	A B		

REF.NO.	PART NO.	★	DESCRIPTION	CODE
C317,318	VCKZPA1HF473Z	J	0.047 μ F,50V	A A
C319,320	VCCSPA1HL101J	J	100 pF,50V	A A
C321,322	VCCSPA1HL151J	J	150 pF,50V	A A
C323,324	RC-GZA105AF1H	J	1 μ F,50V,Electrolytic	A B
C325,326	RC-GZA335AF1H	J	3.3 μ F,50V,Electrolytic	A B
C327,328	VCKZPA1HF473Z	J	0.047 μ F,50V	A A
C329,330	VCCSPA1HL101J	J	100 pF,50V	A A
C331,332	VCCSPA1HL151J	J	150 pF,50V	A A
C333,334	RC-GZA335AF1H	J	3.3 μ F,50V,Electrolytic	A B
C341,342	VCKZPA1HF223Z	J	0.022 μ F,50V	A A
C343,344	RC-GZA476AF1C	J	47 μ F,16V,Electrolytic	A B
C501,502	RC-GZA684AF1H	J	0.68 μ F,50V,Electrolytic	A B
C503,504	VCQYKA1HM563J	J	0.056 μ F,50V,Mylar	A B
C505,506	RC-GZA154AF1H	J	0.15 μ F,50V,Electrolytic	A A
C507,508	VCQYKA1HM183J	J	0.018 μ F,50V,Mylar	A B
C509,510	VCQYKA1HM333J	J	0.033 μ F,50V,Mylar	A B
C511,512	VCQYKA1HM562J	J	0.0056 μ F,50V,Mylar	A A
C513,514	VCQYKA1HM822J	J	0.0082 μ F,50V,Mylar	A B
C515,516	VCQYKA1HM122J	J	0.0012 μ F,50V,Mylar	A B
C517,518	VCQYKA1HM332J	J	0.0033 μ F,50V,Mylar	A B
C519,520	VCCSPA1HL221J	J	220 pF,50V	A A
C526	VCKZPA1HF223Z	J	0.022 μ F,50V	A A
C527	RC-GZA476AF1C	J	47 μ F,16V,Electrolytic	A B
C528	VCKZPA1HF103Z	J	0.01 μ F,50V	A A
C529	VCQYKA1HM103J	J	0.01 μ F,50V,Mylar	A B
C530	VCKZPA1HF473Z	J	0.047 μ F,50V	A A
C531	VCE9AA1EF475M	J	4.7 μ F,25V,Electrolytic,Non polar.	A A
C601,602	RC-GZA476AF1C	J	47 μ F,16V,Electrolytic	A B
C603~606	VCCSPA1HL101J	J	100 pF,50V	A A
C607,608	VCKZPA1HF473Z	J	0.047 μ F,50V	A A
C609,610	VCCSPA1HL151J	J	150 pF,50V	A A
C611,612	RC-GZA106AF1H	J	10 μ F,50V,Electrolytic	A B
C613,614	VCQYKA1HM333J	J	0.033 μ F,50V,Mylar	A B
C615,616	RC-GZA684AF1H	J	0.68 μ F,50V,Electrolytic	A B
C625,626	VCKZPA1HF473Z	J	0.047 μ F,50V	A A
C627,628	VCCSPA1HL470J	J	47 pF,50V	A A
C629,630	VCKZPA1HF223Z	J	0.022 μ F,50V	A A
C631	RC-GZA476AF1A	J	47 μ F,10V,Electrolytic	A B
C632	RC-GZA474AF1H	J	47 μ F,50V,Electrolytic	A B
C702,703	RC-GZA107AF1A	J	100 μ F,10V,Electrolytic	A B
C705	RC-GZA227AF1A	J	220 μ F,10V,Electrolytic	A B
C706	RC-GZA107AF1C	J	100 μ F,16V,Electrolytic	A B
C707,708	RC-GZA477AF0J	J	470 μ F,6.3V,Electrolytic	A B
C709	VCKZPA1HF473Z	J	0.047 μ F,50V	A A
C711	RC-GZA227AF1A	J	220 μ F,10V,Electrolytic	A B
C801,802	RC-GZA106AF1H	J	10 μ F,50V,Electrolytic	A B
C803,804	VCCSPA1HL331J	J	330 pF,50V	A A
C805,806	VCCSPA1HL221J	J	220 pF,50V	A A
C807,808	VCCSPA1HL100J	J	10 pF,50V	A A
C809,810	RC-GZA476AF1C	J	47 μ F,16V,Electrolytic	A B
C811,812	RC-GZA476AF1H	J	47 μ F,50V,Electrolytic	A B
C815,816	RC-GZA476AF1H	J	47 μ F,50V,Electrolytic	A B
C817,818	RC-GZA106AF1H	J	10 μ F,50V,Electrolytic	A B
C819,820	VCQYKA1HM473J	J	0.047 μ F,50V,Mylar	A B
C828	RC-GZA106AF1H	J	10 μ F,50V,Electrolytic	A B
C829	RC-GZA227AF1A	J	220 μ F,10V,Electrolytic	A B
C830	RC-GZA106AF1H	J	10 μ F,50V,Electrolytic	A B
C851,852	RC-GZA107AF1E	J	100 μ F,25V,Electrolytic	A B
C853,854	RC-EZ1288AFZZ	J	6800 μ F,50V,Electrolytic	A N
C855~858	VCKZPA1HF473Z	J	0.047 μ F,50V	A A
C859	RC-GZW228AF1E	J	2200 μ F,25V,Electrolytic	A E
C860~862	VCKZPA1HF473Z	J	0.047 μ F,50V	A A
C865	VCKZPA1HF473Z	J	0.047 μ F,50V	A A
C866	RC-GZA106AF1H	J	10 μ F,50V,Electrolytic	A B
C867,868	VCKZPA1HF473Z	J	0.047 μ F,50V	A A
C869	RC-GZA106AF1H	J	10 μ F,50V,Electrolytic	A B
C870	RC-GZW228AF1E	J	2200 μ F,25V,Electrolytic	A E
C871	VCKZPA1HF473Z	J	0.047 μ F,50V	A A
C872	RC-GZA105AF1H	J	1 μ F,50V,Electrolytic	A B

REF.NO.	PART NO.	★	DESCRIPTION	CODE
C873,874	RC-GZA106AF1C	J	10 μ F,16V,Electrolytic	A B
△C901	RC-KZ084LAFZZ	J	0.01 μ F,125V,Ceramic	A D
RESISTORS				
(Unless otherwise specified, resistors are $\pm 5\%$,carbon type.)				
R104	VRD-ST2CD333J	J	33 kohms,1/6W	A A
R105,106	VRD-ST2CD104J	J	100 kohm,1/6W	A A
R107	VRD-ST2CD331J	J	330 ohms,1/6W	A A
R108	VRD-ST2CD150J	J	15 ohms,1/6W	A A
R109	VRD-ST2CD104J	J	100 kohm,1/6W	A A
R110	VRD-ST2CD330J	J	33 ohms,1/6W	A A
R111	VRD-ST2CD333J	J	33 kohms,1/6W	A A
R112	VRD-ST2CD151J	J	150 ohms,1/6W	A A
R113	VRD-ST2CD103J	J	10 kohm,1/6W	A A
R114	VRD-ST2EE151J	J	150 ohms,1/4W	A A
R115	VRD-ST2CD682J	J	6.8 kohms,1/6W	A A
R116	VRD-ST2CD683J	J	68 kohms,1/6W	A A
R117	VRD-ST2CD103J	J	10 kohm,1/6W	A A
R118	VRD-ST2CD102J	J	1 kohm,1/6W	A A
R119	VRD-ST2CD332J	J	3.3 kohms,1/6W	A A
R120	VRD-ST2CD822J	J	8.2 kohms,1/6W	A A
R121	VRD-ST2CD103J	J	10 kohm,1/6W	A A
R122	VRD-ST2CD332J	J	3.3 kohms,1/6W	A A
R123	VRD-ST2CD153J	J	15 kohms,1/6W	A A
R124	VRD-ST2CD682J	J	6.8 kohms,1/6W	A A
R125	VRD-ST2EE151J	J	150 ohms,1/4W	A A
R126	VRD-ST2CD820J	J	82 ohms,1/6W	A A
R127	VRD-ST2CD222J	J	2.2 kohms,1/6W	A A
R128	VRD-ST2CD183J	J	18 kohms,1/6W	A A
R129	VRD-ST2CD102J	J	1 kohm,1/6W	A A
R130,131	VRD-ST2CD104J	J	100 kohm,1/6W	A A
R132	VRD-ST2CD683J	J	68 kohms,1/6W	A A
R133	VRD-ST2CD103J	J	10 kohm,1/6W	A A
R134	VRD-ST2CD102J	J	1 kohm,1/6W	A A
R135	VRD-ST2CD123J	J	12 kohms,1/6W	A A
R136	VRD-ST2CD562J	J	5.6 kohms,1/6W	A A
R137	VRD-ST2CD332J	J	3.3 kohms,1/6W	A A
R138	VRD-ST2CD102J	J	1 kohm,1/6W	A A
R139	VRD-ST2CD473J	J	47 kohms,1/6W	A A
R140	VRD-ST2CD823J	J	82 kohms,1/6W	A A
R141,142	VRD-ST2CD104J	J	100 kohm,1/6W	A A
R143,144	VRD-ST2CD153J	J	15 kohms,1/6W	A A
R145,146	VRD-ST2CD124J	J	120 kohms,1/6W	A A
R147,148	VRD-ST2CD103J	J	10 kohm,1/6W	A A
R149,150	VRD-ST2CD472J	J	4.7 kohms,1/6W	A A
R201	VRD-ST2CD122J	J	1.2 kohms,1/6W	A A
R202	VRD-ST2CD102J	J	1 kohm,1/6W	A A
R203	VRD-ST2CD561J	J	560 ohms,1/6W	A A
R204	VRD-ST2CD181J	J	180 ohms,1/6W	A A
R205	VRD-ST2CD103J	J	10 kohm,1/6W	A A
R206~208	VRD-ST2CD102J	J	1 kohm,1/6W	A A
R209	VRD-ST2EE331J	J	330 ohms,1/4W	A A
R210,211	VRD-ST2CD222J	J	2.2 kohms,1/6W	A A
R212~214	VRD-ST2CD103J	J	10 kohm,1/6W	A A
R215~220	VRD-ST2CD473J	J	47 kohms,1/6W	A A
R221~230	VRD-ST2CD102J	J	1 kohm,1/6W	A A
R231~236	VRD-ST2CD104J	J	100 kohm,1/6W	A A
R237	VRD-ST2CD823J	J	82 kohms,1/6W	A A
R238~240	VRD-ST2CD102J	J	1 kohm,1/6W	A A
R241	VRD-ST2CD473J	J	47 kohms,1/6W	A A
R242	VRD-ST2CD104J	J	100 kohm,1/6W	A A
R243	VRD-ST2CD103J	J	10 kohm,1/6W	A A
R244	VRD-ST2CD392J	J	3.9 kohms,1/6W	A A
R301,302	VRD-ST2CD102J	J	1 kohm,1/6W	A A
R303,304	VRD-ST2CD473J	J	47 kohms,1/6W	A A
R305,306	VRD-ST2CD102J	J	1 kohm,1/6W	A A
R307,308	VRD-ST2CD394J	J	390 kohms,1/6W	A A
R309,310	VRD-ST2CD333J	J	33 kohms,1/6W	A A

REF.NO.	PART NO.	★ ★	DESCRIPTION	CODE	REF.NO.	PART NO.	★ ★	DESCRIPTION	CODE
R311,312	VRD-ST2CD392J	J 3.9 kohms,1/6W	A A	R609,610	VRD-ST2CD103J	J 10 kohm,1/6W	A A		
R313,314	VRD-ST2CD104J	J 100 kohm,1/6W	A A	R611,612	VRD-ST2CD683J	J 68 kohms,1/6W	A A		
R315,316	VRD-ST2CD223J	J 22 kohms,1/6W	A A	R613,614	VRD-ST2CD222J	J 2.2 kohms,1/6W	A A		
R317,318	VRD-ST2CD473J	J 47 kohms,1/6W	A A	R615,616	VRD-ST2CD104J	J 100 kohm,1/6W	A A		
R319,320	VRD-ST2CD223J	J 22 kohms,1/6W	A A	R635,636	VRD-ST2CD225J	J 2.2 Mohms,1/6W	A A		
R321,322	VRD-ST2CD473J	J 47 kohms,1/6W	A A	R640,641	VRD-ST2CD102J	J 1 kohm,1/6W	A A		
R323,324	VRD-ST2CD223J	J 22 kohms,1/6W	A A	R643,644	VRD-ST2CD473J	J 47 kohms,1/6W	A A		
R325,326	VRD-ST2CD473J	J 47 kohms,1/6W	A A	R647	VRD-ST2CD103J	J 10 kohm,1/6W	A A		
R327,328	VRD-ST2CD223J	J 22 kohms,1/6W	A A	R648~655	VRD-ST2CD473J	J 47 kohms,1/6W	A A		
R329,330	VRD-ST2CD333J	J 33 kohms,1/6W	A A	R656	VRD-ST2CD103J	J 10 kohm,1/6W	A A		
R331,332	VRD-ST2EE561J	J 560 ohms,1/4W	A A	R657	VRD-ST2CD473J	J 47 kohms,1/6W	A A		
R333,334	VRD-ST2CD102J	J 1 kohm,1/6W	A A	R658	VRD-ST2CD152J	J 1.5 kohms,1/6W	A A		
R335	VRD-ST2CD473J	J 47 kohms,1/6W	A A	R659~665	VRD-ST2CD102J	J 1 kohm,1/6W	A A		
R336,337	VRD-ST2CD102J	J 1 kohm,1/6W	A A	R666,667	VRD-ST2CD473J	J 47 kohms,1/6W	A A		
R338,339	VRD-ST2CD473J	J 47 kohms,1/6W	A A	R669,670	VRD-ST2CD391J	J 390 ohms,1/6W	A A		
R340~343	VRD-ST2CD102J	J 1 kohm,1/6W	A A	R672	VRD-ST2CD561J	J 560 ohms,1/6W	A A		
R344	VRD-ST2CD473J	J 47 kohms,1/6W	A A	R674~676	VRD-ST2CD102J	J 1 kohm,1/6W	A A		
R345,346	VRD-ST2CD102J	J 1 kohm,1/6W	A A	R677	VRD-ST2CD105J	J 1 Mohm,1/6W	A A		
R347	VRD-ST2CD473J	J 47 kohms,1/6W	A A	R678	VRD-ST2CD821J	J 820 ohms,1/6W	A A		
R351,352	VRD-ST2CD104J	J 100 kohm,1/6W	A A	R679	VRD-ST2CD222J	J 2.2 kohms,1/6W	A A		
R353,354	VRD-ST2CD102J	J 1 kohm,1/6W	A A	R680	VRD-ST2CD102J	J 1 kohm,1/6W	A A		
R355,356	VRD-ST2CD822J	J 8.2 kohms,1/6W	A A	R681,682	VRD-ST2CD101J	J 100 ohm,1/6W	A A		
R357,358	VRD-ST2CD103J	J 10 kohm,1/6W	A A	R684,685	VRD-ST2CD101J	J 100 ohm,1/6W	A A		
R359,360	VRD-ST2CD101J	J 100 ohm,1/6W	A A	R687,688	VRD-ST2CD101J	J 100 ohm,1/6W	A A		
R361,362	VRD-ST2CD104J	J 100 kohm,1/6W	A A	R689	VRD-ST2CD102J	J 1 kohm,1/6W	A A		
R363,364	VRD-ST2CD102J	J 1 kohm,1/6W	A A	R690	VRD-ST2CD101J	J 100 ohm,1/6W	A A		
R365,366	VRD-ST2CD822J	J 8.2 kohms,1/6W	A A	R692	VRD-ST2CD101J	J 100 ohm,1/6W	A A		
R367,368	VRD-ST2CD103J	J 10 kohm,1/6W	A A	R694~697	VRD-ST2CD101J	J 100 ohm,1/6W	A A		
R369~372	VRD-ST2CD222J	J 2.2 kohms,1/6W	A A	R702,703	VRD-ST2CD103J	J 10 kohm,1/6W	A A		
R373,374	VRD-ST2CD473J	J 47 kohms,1/6W	A A	R704	VRD-ST2CD622J	J 6.2 kohms,1/6W	A A		
R375,376	VRD-ST2CD102J	J 1 kohm,1/6W	A A	R705	VRD-ST2CD222J	J 2.2 kohms,1/6W	A A		
R377,378	VRD-ST2CD473J	J 47 kohms,1/6W	A A	R706	VRD-ST2CD221J	J 220 ohms,1/6W	A A		
R379,380	VRD-ST2CD102J	J 1 kohm,1/6W	A A	R707,708	VRD-ST2CD821J	J 820 ohms,1/6W	A A		
R385,386	VRD-ST2CD104J	J 100 kohm,1/6W	A A	R709	VRD-ST2CD472J	J 4.7 kohms,1/6W	A A		
R387,388	VRD-ST2CD222J	J 2.2 kohms,1/6W	A A	R710	VRD-ST2CD222J	J 2.2 kohms,1/6W	A A		
R391,392	VRD-ST2CD102J	J 1 kohm,1/6W	A A	R711,712	VRD-ST2CD821J	J 820 ohms,1/6W	A A		
R393~395	VRD-ST2CD473J	J 47 kohms,1/6W	A A	R713,714	VRD-ST2CD222J	J 2.2 kohms,1/6W	A A		
R396,397	VRD-ST2CD472J	J 4.7 kohms,1/6W	A A	R715,716	VRD-ST2CD680J	J 68 ohms,1/6W	A A		
R501,502	VRD-ST2CD682J	J 6.8 kohms,1/6W	A A	R720,721	VRD-ST2CD182J	J 1.8 kohms,1/6W	A A		
R503,504	VRD-ST2CD272J	J 2.7 kohms,1/6W	A A	R722,723	VRD-ST2CD471J	J 470 ohms,1/6W	A A		
R505,506	VRD-ST2CD683J	J 68 kohms,1/6W	A A	R801,802	VRD-ST2CD102J	J 1 kohm,1/6W	A A		
R507,508	VRD-ST2CD103J	J 10 kohm,1/6W	A A	R803,804	VRD-ST2CD563J	J 56 kohms,1/6W	A A		
R509,510	VRD-ST2CD222J	J 2.2 kohms,1/6W	A A	R805,806	VRD-ST2CD561J	J 560 ohms,1/6W	A A		
R511,512	VRD-ST2CD683J	J 68 kohms,1/6W	A A	R807,808	VRD-ST2CD563J	J 56 kohms,1/6W	A A		
R513,514	VRD-ST2CD103J	J 10 kohm,1/6W	A A	△R809,810	VRG-ST2EC101J	J 100 ohm,1/4W,Fusable	A B		
R515,516	VRD-ST2CD222J	J 2.2 kohms,1/6W	A A	R811,812	VRD-ST2EE332J	J 3.3 kohms,1/4W	A A		
R517,518	VRD-ST2CD683J	J 68 kohms,1/6W	A A	R813,814	VRD-RT2HD332J	J 3.3 kohms,1/2W	A A		
R519,520	VRD-ST2CD103J	J 10 kohm,1/6W	A A	R817,818	VRD-ST2EE4R7J	J 4.7 ohms,1/4W	A A		
R521,522	VRD-ST2CD222J	J 2.2 kohms,1/6W	A A	R826	VRD-ST2CD272J	J 2.7 kohms,1/6W	A A		
R523,524	VRD-ST2CD683J	J 68 kohms,1/6W	A A	R827~829	VRD-ST2CD223J	J 22 kohms,1/6W	A A		
R525,526	VRD-ST2CD103J	J 10 kohm,1/6W	A A	R830	VRD-ST2CD473J	J 47 kohms,1/6W	A A		
R527,528	VRD-ST2CD222J	J 2.2 kohms,1/6W	A A	R831	VRD-ST2CD123J	J 12 kohms,1/6W	A A		
R529,530	VRD-ST2CD683J	J 68 kohms,1/6W	A A	R832	VRD-ST2CD104J	J 100 kohm,1/6W	A A		
R531,532	VRD-ST2CD103J	J 10 kohm,1/6W	A A	R833	VRD-ST2EE103J	J 10 kohm,1/4W	A A		
R533,534	VRD-ST2CD472J	J 4.7 kohms,1/6W	A A	R835,836	VRS-PT3AB331J	J 330 ohms,1W,Metal Oxide Film	A A		
R535,536	VRD-ST2CD471J	J 470 ohms,1/6W	A A	R851,852	VRD-RT2HD2R2J	J 2.2 ohms,1/2W	A A		
R537,538	VRD-ST2CD472J	J 4.7 kohms,1/6W	A A	R853~858	VRS-PU3AE122J	J 1.2 kohms,1W,Metal Oxide Film	A A		
R539	VRD-ST2CD561J	J 560 ohms,1/6W	A A						
R551	VRD-ST2CD391J	J 390 ohms,1/6W	A A						
R552,553	VRD-ST2CD561J	J 560 ohms,1/6W	A A	R859,860	VRD-ST2CD472J	J 4.7 kohms,1/6W	A A		
R555~558	VRD-ST2CD561J	J 560 ohms,1/6W	A A	R866	VRD-ST2EE821J	J 820 ohms,1/4W	A A		
R563	VRD-ST2CD102J	J 1 kohm,1/6W	A A	R867	VRD-ST2CD472J	J 4.7 kohms,1/6W	A A		
R564	VRD-ST2CD392J	J 3.9 kohms,1/6W	A A	R868,869	VRS-PT3AB101J	J 100 ohm,1W,Metal Oxide Film	A A		
R565	VRD-ST2EE100J	J 10 ohm,1/4W	A A						
R566	VRD-ST2EE221J	J 220 ohms,1/4W	A A	△R901	VRD-RT2HD475J	J 4.7 Mohms,1/2W	A A		
R573,574	VRD-ST2CD472J	J 4.7 kohms,1/6W	A A						
R601,602	VRD-ST2EE122J	J 1.2 kohms,1/4W	A A						
R603,604	VRD-ST2CD104J	J 100 kohm,1/6W	A A						
R605,606	VRD-ST2CD562J	J 5.6 kohms,1/6W	A A						
R607,608	VRD-ST2CD104J	J 100 kohm,1/6W	A A						

OTHER CIRCUITRY PARTS

BI501	92LC0NE6M1460A J	Connector Ass'y,7-6Pin	A H
BI504A/B	92LC0NE7M1460A J	Connector Ass'y,8-8Pin	A K

OTHER CIRCUITRY PARTS

BI501	92LC0NE6M1460A J Connector Ass'y,7-6Pin	A H
BI504A/B	92LC0NE7M1460A J Connector Ass'y,8-8Pin	A K

SA-R55AV

REF.NO.	PART NO.	★	DESCRIPTION	CODE	REF.NO.	PART NO.	★	DESCRIPTION	CODE
BI528			Part of Ref. NoCNS501						
CNP201	QCNCM602BAFZZ	J	Plug,2Pin	A A					
CNP202	QCNCW619KAFZZ	J	Connectar,10Pin	A E					
CNP501	QCNCM742BAFZZ	J	Plug,2Pin	A A	101	GCASP0110AF00	J	Case,Battery	A F
CNP502	QCNCM809HAFZZ	J	Plug,8Pin	A D	102	JKNB00547AFSA	J	Button [Speaker]	A D
CNP503	QCNCM809FAFZZ	J	Plug,6Pin	A D	△103	LBSHC0004AGZZ	J	Bushing,AC Power Supply	A B
CNP504	QCNCM809KAFZZ	J	Plug,10Pin	A E					
CNP801	QCNCM742FAFZZ	J	Plug,6Pin	A B	104	LHLDW1124AFZZ	J	Nylon Band,80mm	A A
CNP901	QCNCM643EAFZZ	J	Plug,5Pin	A C	105	LSTPZ0061AFZZ	J	Ring [Volume Knob]	A B
CNS201	92LC0NE-1460A	J	Connector Ass'y,2Pin	A B	106	LX-LZ0083AF00	J	Push Rivet	A A
CNS302	QCNCW619HAFZZ	J	Connector,8Pin	A D	107	PFLT-0871AFZZ	J	Felt,Leg	A A
CNS303	QCNCW619FAFZZ	J	Connector,6Pin	A D	110	PSLDM5111AFZZ	J	Shield Plate,Tuner PWB	A D
CNS501	92LC0NE2M1460A	J	Connector Ass'y,2-2Pin	A D	△111	QFSDH1054AFZZ	J	Holder,Fuse	A A
CNS801			Part of Ref. NoBI501		△112	QLUGP0165AFZZ	J	Lug Terminal	A A
CNS901			Part of Ref. NoT901		113	QTANB9218AFFW	J	Terminal,Battery,Small	A C
F801	QFS-B202AAFNi	J	Fuse,2A,125V	A E	114	QTANB9219AFFW	J	Terminal,Battery,Large	A C
F803,804	QFS-B502AAFNi	J	Fuse,5A,125V	A E	115	QTANN0155AFZZ	J	Terminal,GND	A B
F901	QFS-B502AAFNi	J	Fuse,5A,125A	A E	116	92LANGE1460A	J	Bracket,Tuner PWB	A B
J901	QJAKJ0146AFZZ	J	Jack,Headphones	A D					
LCD201	RV-LX0096AFZZ	J	LCD	A T	118	92LANGE1460C	J	Bracket,Indicator Plate	A B
LMP501,502	RLMPM0216AFZZ	J	Lamp	A D	119	92LCAB1460A	J	Panel,Front	A U
PG901	QACCD0069AFZZ	J	AC Power Supply Cord	A K	120	92LCAB1460B	J	Plate,Rear	A P
PL201,202	RLMPM0215AFZZ	J	Lamp	A D	121	92LCAB1460C	J	Cabinet	BA
RLY802	RRLYU0029AFZZ	J	Relay [Surround]	A K	122	92LCAB1460D	J	Chassis,Main	AT
RLY901	RRLYU0028AFZZ	J	Relay [Power]	A K	123	92LC0V1460A	J	Cover,Remote Sensor	A D
SO101	QTANC9002AFZZ	J	Terminal,Antenna	A H	124	92LCSPR1460B	J	Stay,Lift Up	AB
SO301	QS0CJ4802AFZZ	J	Socket [Phono/Tape/	A G	127	92LKN0B1460A	J	Button [Power]	A B
			CD]		128	92LKN0B1460B	J	Knob [Graphic Equalizer]	A B
SO302	QS0CJ4630AFZZ	J	Socket,VCR1/2	A K	129	92LKN0B1460C	J	Knob [Balance]	A B
SO701	QS0CJ4422AFZZ	J	Socket,Video/VCR	A G	130	92LKN0B1460E	J	Knob [Volume]	A D
SO801	QTANZ0802AFZZ	J	Terminal,Speaker [Front]	A H	131	92LKN0B1460F	J	Button [Tuning]	A C
SO802	92LJACK-1460G	J	Terminal,Speaker [Rear]	A G	132	92LKN0B1460G	J	Button [Preset]	A C
SO803	QJAKB0101AFZZ	J	Jack,System Control	A D	133	92LKN0B1460H	J	Button [Function]	A D
SO901	QS0CA0297AFZZ	J	Socket,AC Outlets	A F	134	92LKN0B1460i	J	Button [X-Bass/	A D
SW501	92LSWiCH-1460A	J	Switch,Key Type [Tape	A B					
			Monitor]		135	92LKN0B1460J	J	Button [Band/Auto Scan/	A B
SW502	92LSWiCH-1460A	J	Switch,Key Type [VCR2/	A B					
			VDP]		136	92LPANEL1460A	J	Plate,Window	A S
SW503	92LSWiCH-1460A	J	Switch,Key Type [X	A B	137	92LPANEL1460B	J	Plate,Display	A Q
			-Bass]		138	92LPANEL1460C	J	Plate,Indicator	A F
SW504	92LSWiCH-1460A	J	Switch,Key Type	A B	139	92LPANEL1460D	J	Decoration Plate,Leg	A D
			[Surround]		140	92LPANEL1460E	J	Plate,LCD,Top	A C
SW505	92LSWiCH-1460A	J	Switch,Key Type [Tuner]	A B	141	92LPANEL1460F	J	Plate,LCD,Bottom	A C
SW506	92LSWiCH-1460A	J	Switch,Key Type [VCR1/	A B	142	92LPANEL1460H	J	Sheet,Remote Sensor	A A
			TV]		144	92LRDAT1460A	J	Heat Sink,Large	A L
SW507	92LSWiCH-1460A	J	Switch,Key Type	A B	145	92LRDAT1460B	J	Heat Sink,Fin Type	BC
			[Muting]		146	92LRDAT1460C	J	Heat Sink,Top	AK
SW508	92LSWiCH-1460A	J	Switch,Key Type [Phono]	A B	147	92LRDAT1460D	J	Heat Sink,Small	A B
SW509	92LSWiCH-1460A	J	Switch,Key Type [CD]	A B	148	92LSHEET1460A	J	Sheet,LCD	A B
SW510	92LSWiCH-1460A	J	Switch,Key Type [Tuning	A B	601	LX-HZ0082AFZZ	J	Screw,φ4×8mm	A A
			Up]		602	LX-HZ0087AFDD	J	Screw,φ3×8mm	A A
SW511	92LSWiCH-1460A	J	Switch,Key Type [Tuning	A B	603	LX-JZ0022AFDD	J	Screw,φ3×8mm	A A
			Down]		604	LX-JZ0033AFFF	J	Screw,φ3×8mm,Black	A A
SW512	92LSWiCH-1460A	J	Switch,Key Type [Preset	A B	605	XHBSD30P08000	J	Screw,φ3×8mm	A A
			Up]		606	XHBSF30P08000	J	Screw,φ3×8mm,Black	A A
SW513	92LSWiCH-1460A	J	Switch,Key Type [Preset	A B	607	XJBSD30P10000	J	Screw,φ3×10mm	A A
			Down]		608	XJBSD30P14000	J	Screw,φ3×14mm	A A
SW514	92LSWiCH-1460A	J	Switch,Key Type [Band]	A B	609	XJBSF30P10000	J	Screw,φ3×10mm,Black	A A
SW515	92LSWiCH-1460A	J	Switch,Key Type	A B	610	XJSSD30P10000	J	Screw,φ3×10mm	A A
			[Memory]		611	XJSSF30P10000	J	Screw,φ3×10mm,Black	A A
SW516	92LSWiCH-1460A	J	Switch,Key Type [Auto	A B	612	XEBSD30P06000	J	Screw,φ3×6mm	A A
			Scan]		613	XWHS32-05080	J	Washer,φ3.2Xφ8X0.5mm	A A
SW901	92LSWiCH-1460B	J	Switch,Push Type [Power/	A R					
			Speaker]						
UNT501	RRMCU0063AFZZ	J	Sensor,Remote Control	A L					
WT701	QCNCW585DAFZZ	J	Connector,4Pin	A B					
WT802	QCNCW585DAFZZ	J	Connector,4Pin	A B					
WT803	QCNCW585EAFZZ	J	Connector,5Pin	A B					

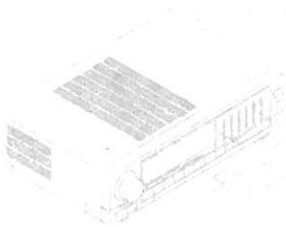
CABINET PARTS

ACCESSORIES

REF.NO.	PART NO.	★	DESCRIPTION	CODE
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P.W.B. ASSEMBLY (Not Replacement Item)

PWB-A1~3	92LPWB1460AMPS J	★	Amp/Headphone/LED PWB (Combined Ass'y)	—
PWB-B1~3	92LPWB1460TUNS J	★	Tuner/Video/Battery PWB (Combined Ass'y)	—
PWB-C1~4	92LPWB1460DiSP J	★	Sensor/Control/Volume/ Switch PWB (Combined Ass'y)	—

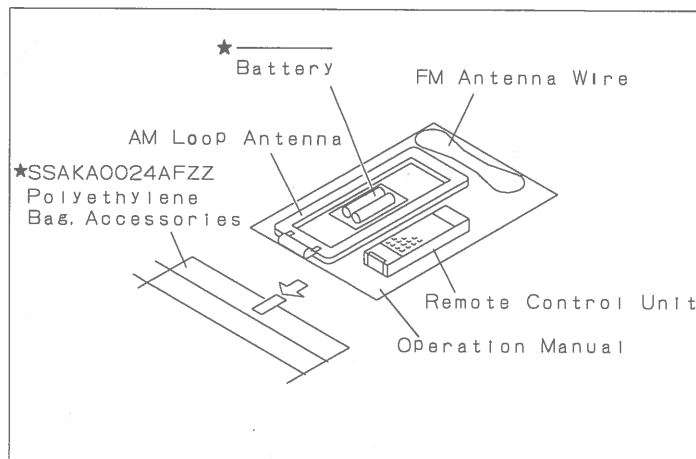


PACKING OF THE SET

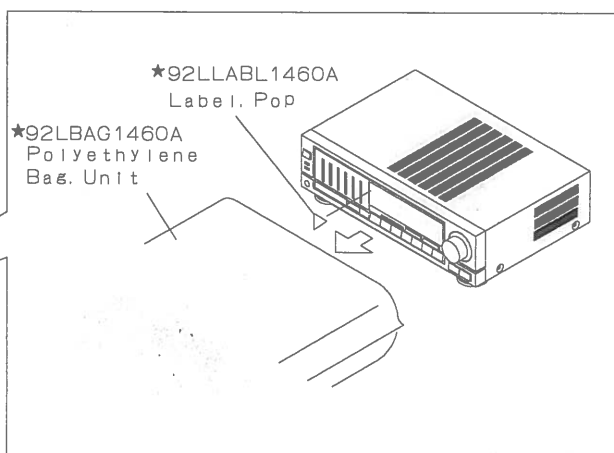
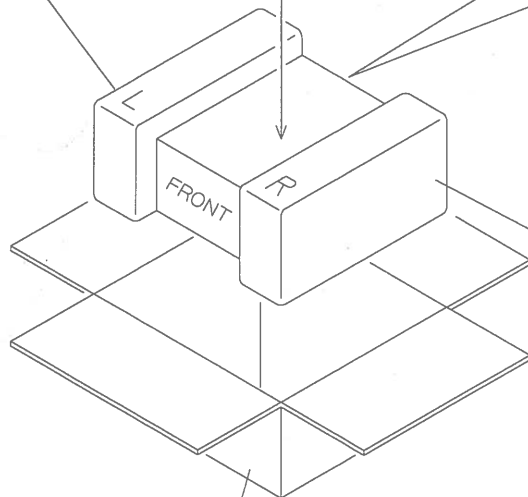
• SETTING POSITIONS OF SWITCHES AND KNOBS

Power	OFF
Speakers	OFF
Graphic Equalizer	CENTER

Balance	CENTER
Volume	MIN



★92LP-AD1460A
Packing Add.. Left



★92LP-AD1460B
Packing Add.. Right

★ Not Replaceable Item

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