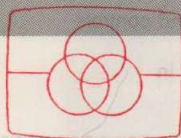


STR-AV300E

SERVICE MANUAL



Free service manuals

Gratis schema's

Digitized by

AEP Model

www.freesevicemanuals.info

FM intermediate- freq. frequency (MHz)	Diode installation		Ceramic filter Center fr- (MHz)	Color code
	FB D314	FA D313		
10.750	○	○		
10.700	x			
10.850	○			

○ : installed
x : not installed



SPECIFICATIONS

Amplifier section

Continuous RMS power output

50 watts + 50 watts

(8 ohms, according to DIN 45500)

Harmonic distortion

Less than 0.8% at rated output

Frequency response

PHONO:RIAA equalization curve ± 0.5 dB

CD

VIDEO

TAPE

10 Hz - 50 kHz ± 0.3 dB

Inputs

	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO	2.5 mV	50 kilohms	74 dB 72 dB* (A, 2.5 mV)
CD VIDEO TAPE	150 mV	50 kilohms	95 dB 80 dB* (A, 150 mV)

* '78 IHF

Outputs

REC OUT, VIDEO (AUDIO) OUT	Voltage 150 mV Impedance 10 kilohms
SPEAKER A, B	Accepts speakers of 8-16 ohms
HEADPHONES	Accepts low and high impedance headphones

Tone controls

BASS: ± 8 dB at 100 Hz

TREBLE: ± 8 dB at 10 kHz

Loudness

+8 dB at 100 Hz (att. 30 dB)

Muting level

-20 dB

	FM tuner	AM tuner
Tuning range	87.5 - 108 MHz	531 - 1,602 kHz
Antenna terminals	West Germany model: 75 ohms, unbalanced AEP model: 300 ohms, balanced 75 ohms, unbalanced	External antenna terminal
Sensitivity at 46 dB quieting	18.3 dBf, 4.5 μ V (mono) 38.3 dBf, 45 μ V (stereo)	—
Usable sensitivity	11.2 dBf, 2 μ V (IHF)	500 μ V (at 1,000 kHz)
Signal-to-noise ratio	70 dB (mono) 64 dB (stereo)	54 dB (at 50 mV/m)
Harmonic distortion	0.2% (mono), 0.4% (stereo) at 1 kHz	0.3% (at 50 mV/m, 400 Hz)
Selectivity	50/60 dB at 300/400 kHz	35 dB at 9 kHz
Separation	45 dB at 1 kHz	
Frequency response	40 Hz - 12.5 kHz ± 0.5 -1 dB	

General

System

Tuner section: PLL quartz-locked digital
synthesizer system

Preamplifier section: low-noise NF type
equalizer amp

Power amplifier section: quasi-
complementary SEPP

Power requirements

220 V AC, 50/60 Hz

Power consumption

110 watts

— continued on next page —

FM STEREO / FM-AM RECEIVER

SONY



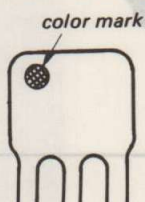
AC outlets Two switched (Total 100 watts)
 Dimensions Approx. 430 x 105 x 300 mm (w/h/d)
 (17 x 4¹/₄ x 11⁷/₈ inches)
 including projecting parts and controls
 Weight Approx. 6.3 kg (13 lb 14 oz)
 Approx. 7.6 kg (16 lb 12 oz) in
 shipping carton

Accessories supplied
 FM ribbon antenna (1, not supplied with the
 West German model)
 AM layout-free antenna (1)

● IF OFFSET ADJUSTMENT (FM IF)

Diode Installations Depending on the Ceramic Filters (CF101, 102)

This set employs three ceramic filters (CF101, 102) which should have the same color marking to identify their center frequency. Therefore FM IF offset adjustment by diodes (D313,314) installation is necessary to match the center frequency of the ceramic filters used with FM intermediate frequency.



Ceramic filter		Diode installation		FM intermediate frequency (MHz)
Color mark	Center frequency (MHz)	*A D313	*B D314	
White	10.750	○	○	10.750
Red	10.700	x	x	10.700
Black	10.650	x	○	10.650

○ : installed
 x : not installed

FM intermediate frequency is determined by the three types as shown above. Ceramic filters of same center frequency, i.e., of same color coding should be used for CF101 through CF102.

WARNING !!

ADVARSEL!

Lithiumbatteri – Eksplosionsfare
 Udskiftning må kun foretages
 af en sagkyndig, og som
 beskrevet i servicemanualen.

LITHIUM BATTERY

SHOULD ONLY BE CHANGED BY TECHNICAL PERSONNEL. THERE IS A RISK FOR EXPLOSION AT A WRONG HANDLING.

“Batteriet må kun udskiftes med et batteri af samme fabrikat og type”.

Because of the risk for explosion the battery must be replaced with the same type and manufacture.

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
SECTION 1 GENERAL	3
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SECTION 2 ADJUSTMENTS	4
2-1.	FM Section Adjustments	4
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SECTION 4 EXPLODED VIEWS	15
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SECTION 5 ELECTRICAL PARTS LIST	17

FEATURES

The STR-AV300E is a combined receiver and audio/video control center. You can listen to various audio/video program sources through the amplifier of the receiver and the speakers connected to it. In the tuner section, a quartz-locked digital synthesizer system allows precise tuning. A total of 10 FM/AM stations can be preset.

SAFETY-RELATED COMPONENT WARNING!!

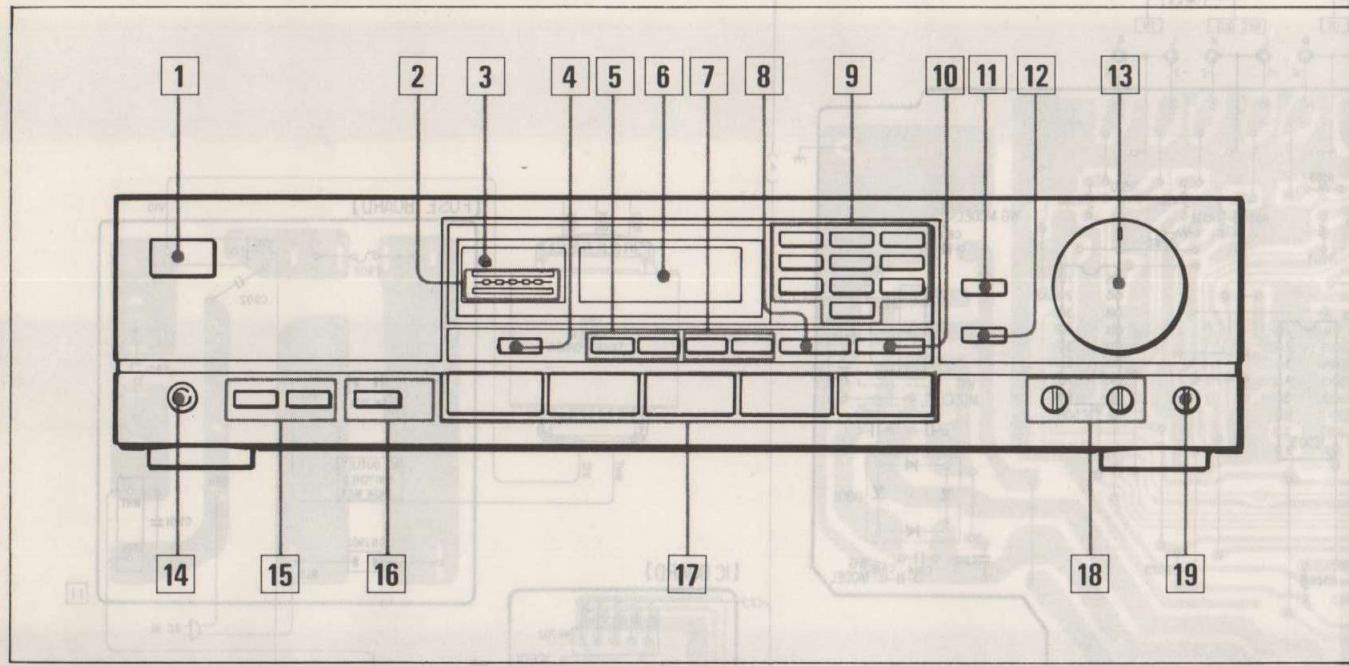
COMPONENTS IDENTIFIED BY MARK OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1 GENERAL

SECTION 2 ELECTRICAL ADJUSTMENTS

SECTION 3 DIAGRAMS

1-1. LOCATION AND FUNCTION OF CONTROLS

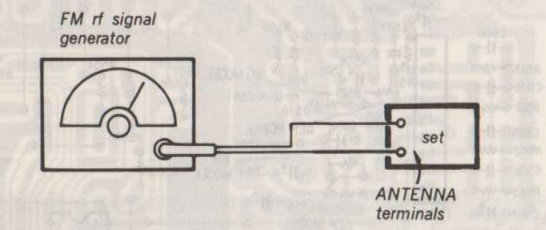


- 1 POWER switch**
- 2 Signal strength indicator**
Shows the receiving signal strength.
- 3 FM STEREO indicator**
- 4 FM MODE button**
When an FM stereo program is noisy or hard to receive, press this button. The FM STEREO indicator goes out (the sound is heard in monaural, but the reception will be improved). To return to the stereo mode, press again or change the frequency.
- 5 BAND selectors**
- 6 Display window**
- 7 TUNING +/- buttons**
- 8 MEMORY SCAN button**
- 9 Numeric buttons**
For presetting a station or for tuning in a preset station.
- 10 MEMORY PRESET button**
- 11 MUTING switch**
Press to attenuate the sound level immediately (-20dB attenuation). To restore it, press again.
- 12 LOUDNESS switch**
Press when listening to a program source at a low volume. The low frequency sound is emphasized.
- 13 VOLUME control knob**
- 14 HEADPHONES jack (stereo phone jack)**
- 15 SPEAKERS selectors**
Depress to select which speaker system to drive. For both speaker systems, depress A and B.
- 16 TAPE 2 MONITOR button and indicator**
Press the button to listen to taped programs of the tape deck connected to the TAPE 2 inputs. To listen to the other program sources, press it again.
- 17 Function selectors**
- 18 TONE controls**
- 19 BALANCE control**
Turn clockwise to decrease the left channel volume, and counterclockwise to decrease the right channel volume.

2-1. FM SECTION ADJUSTMENTS

FM FREQUENCY COVERAGE ADJUSTMENT

Setting:

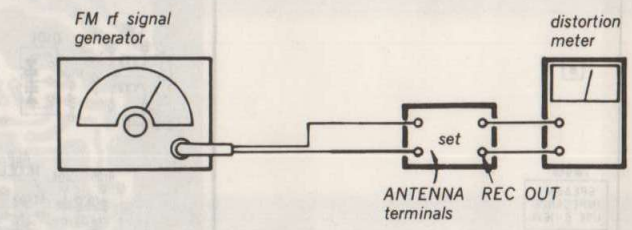


Carrier frequency: 108MHz
 Modulation: 400Hz, 75kHz deviation (100%)
 Output level: 1mV (60dB)

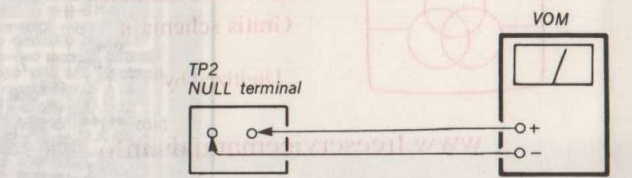
- Adjust L106 so that VOM reads $8.5 \pm 0.2V$.
- After the adjustment, set FM rf signal generator frequency to 87.5MHz. Confirm that VOM reads $2.6V \pm 0.5V$.

FM DISCRIMINATOR ALIGNMENT

Setting:



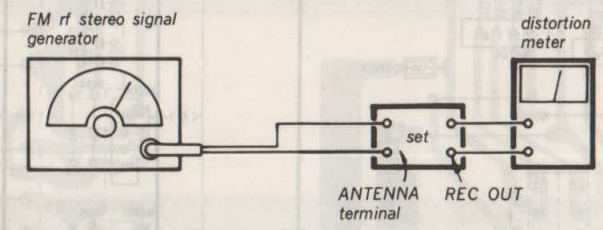
Carrier frequency: 98MHz
 Modulation: 400Hz, 75kHz deviation (100%)
 Output level: 1mV (60dB)



- Procedure:**
- Tune the set to 98MHz.
 - Adjust the T201 for 0V reading on VOM.
 - At this time, confirm distortion should be within 0.5%.

FM IF ADJUSTMENT

Setting:

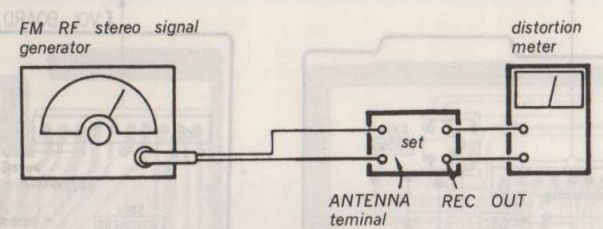


Carrier frequency: 98MHz
 Output level: 1mV (60dB)
 Modulation: Audio 400Hz: 33.75kHz deviation (45%)
 Sub channel 38kHz: 33.75kHz deviation (45%)
 Pilot signal 19kHz: 7.5kHz deviation (19%)

- Procedure:**
 Adjust the black core of T101 for minimum distortion.

FM METER ADJUSTMENT

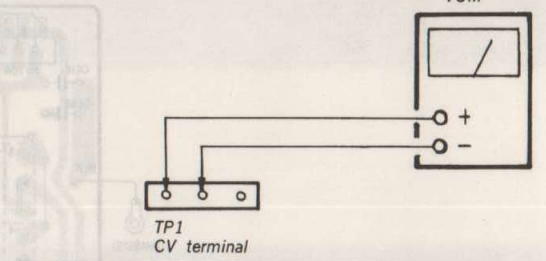
Setting:



Carrier frequency: 98MHz
 Output level: 50µV (45dB)
 Modulation: Audio 400Hz: 33.75kHz deviation (45%)
 Sub channel 38kHz: 33.75kHz deviation (45%)
 Pilot signal 19kHz: 7.5kHz deviation (19%)

- Procedure:**
 Adjust the RV202 so that the 5 point LED of the signal meter goes on.

AM FREQUENCY COVERAGE ADJUSTMENT



Frequency display in set	Voltage at TP (CV)	Adjustment part
1. 1602kHz	8.0 ± 0.2V	T401

AM TRACKING ADJUSTMENT

- Procedure:**
- Tune the set to the SG signal.
 - Adjust for a maximum reading on VTVM.

SG and set frequency	Adjustment parts	Reading on VTVM
1. 603kHz	T401	Maximum

AF IF ADJUSTMENT

- Procedure:**
- Tune the set to the SG signal.
 - Adjust for a maximum reading on VTVM.

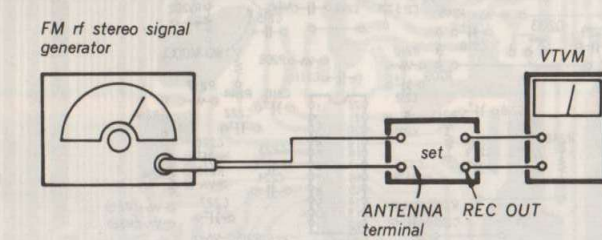
SG and set frequency	Adjustment parts	Reading on VTVM
1. 1404kHz	T203	Maximum

AM METER ADJUSTMENT

- Procedure:**
- Tune the to 999kHz (70dB)
 - Adjust the RV203 so that the 4 point LED of the signal meter goes on.

FM TRACKING ADJUSTMENT

Setting:

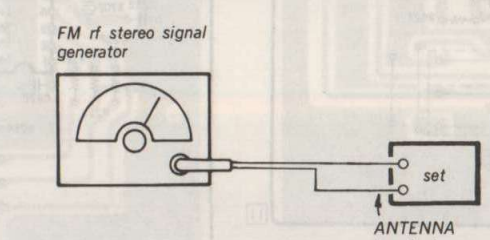


Carrier frequency: 98MHz
 Modulation: 400Hz, 75kHz deviation (100%)
 Output level: 3.2-5.3µV (10-15dB)

- Adjust L101, 102: AEP model, L101, L103: West Germany model for maximum reading on VTVM.

FM TUNING STOP ADJUSTMENT

Setting:

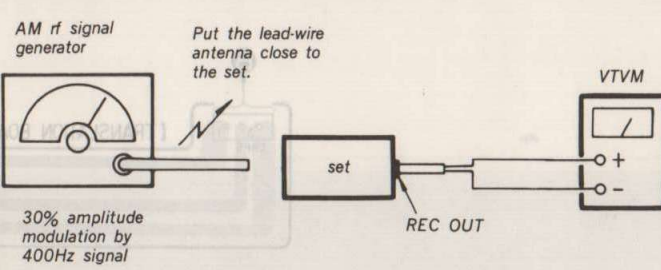


Carrier frequency: 98MHz
 Output level: 14.3µV (23dB)
 Modulation: Audio 400Hz: 33.75kHz deviation (45%)
 Sub channel 38kHz: 33.75kHz deviation (45%)
 Pilot signal 19kHz: 7.5kHz deviation (10%)

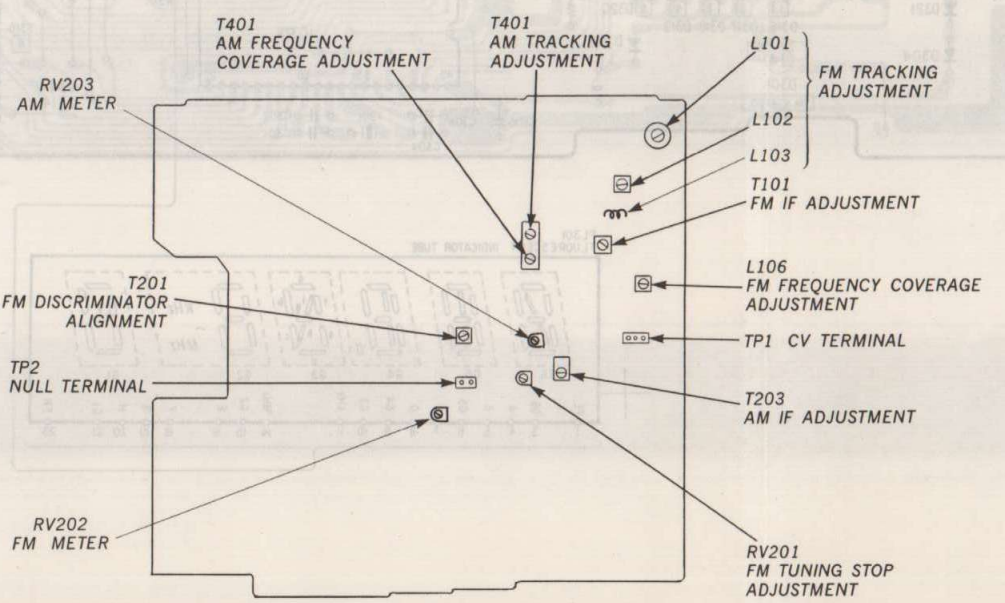
- Procedure:**
- Tune the set to 98MHz by pressing the TUNING buttons.
 - Adjust RV201 so that the STEREO LED goes on.

2-2. AM SECTION ADJUSTMENTS

Setting:



30% amplitude modulation by 400Hz signal



Semiconductor Lead Layouts

CX7925B	DTA124ES 2SA1048GR 2SC634SP 2SC2724-E	2SK246-GR
LA1266	2SA988-F	KV1310
LA3401	2SB734 2SD774-3	RB402
LB1403N µPC4570HA-1	2SC535	RD16E-B2 RD18E-B2 RD20E-B2 RD6.8E-B2
STK4182MK2	2SD1585L	1SS133
TMP47C210N-3074	2SK241-Y	SLR-34MC3 SLR-34VC3
µPD4052BC		

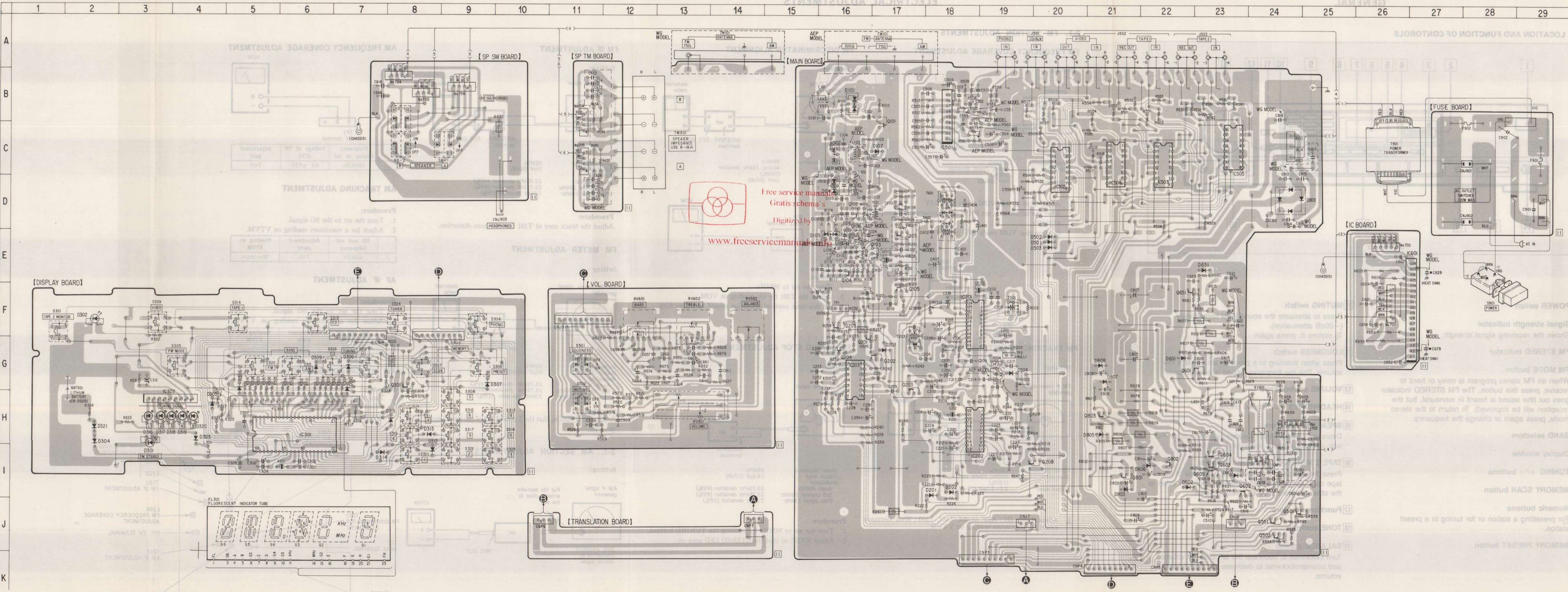
SECTION 3
DIAGRAMS

3-1. PRINTED WIRING BOARDS

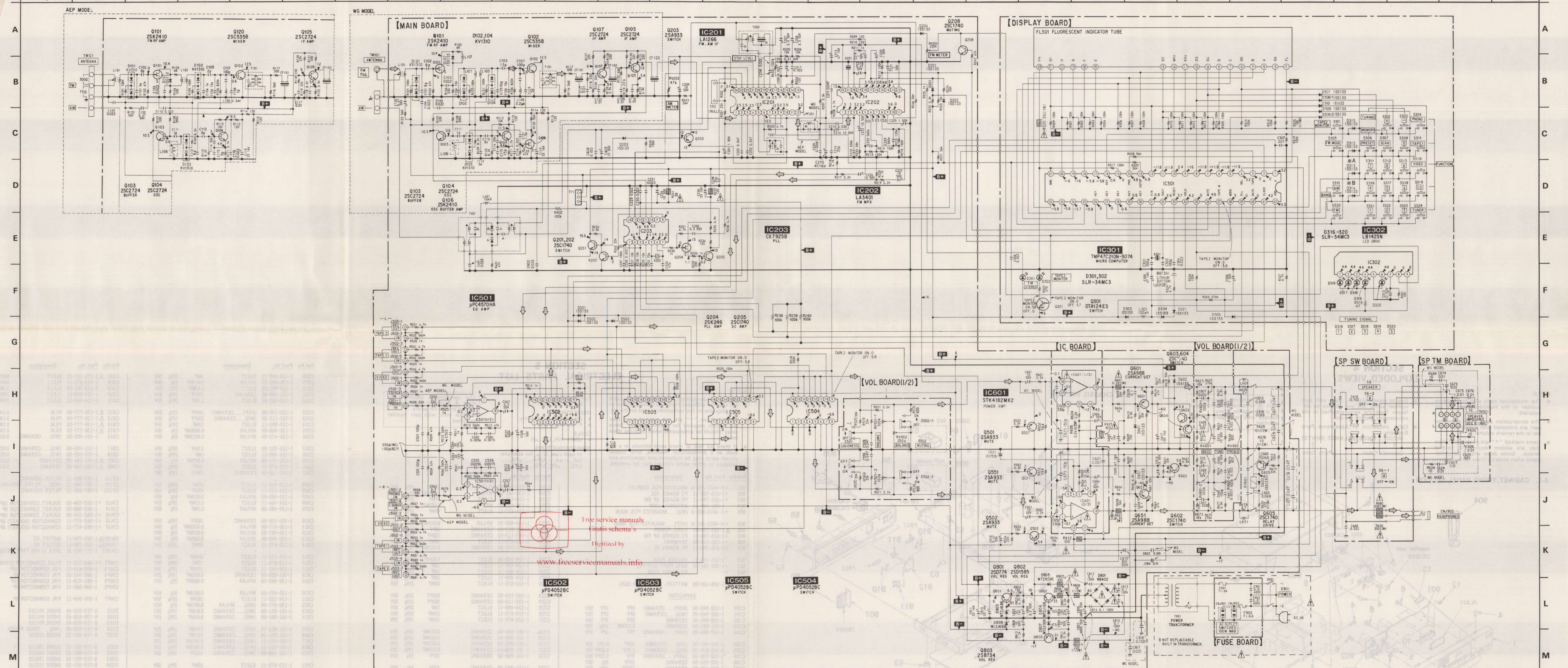
• SEMICONDUCTOR LEAD LAYOUTS

Ref. No.	Location	Ref. No.	Location
D101	B-16	IC501	B-18
D102	C-16	IC502	C-20
D103	E-16	IC503	C-22
D104	D-16	IC504	C-21
D107	C-17	IC505	C-23
D201	I-18	IC601	F-27
D202	I-18		
D203	G-17	Q101	B-17
D204	G-19	Q102	D-16
D301	H-3	Q103	E-17
D302	F-2	Q104	E-16
D303	H-4	Q105	F-17
D304	H-2	Q106	E-16
D305	H-4	Q107	E-17
D306-1	G-7	Q201	G-16
D306-2	G-5	Q202	G-17
D307	G-9	Q203	G-17
D309	G-6	Q204	G-16
D310	G-7	Q205	F-16
D312	I-8	Q208	I-20
D313	H-8	Q301	G-8
D314	I-7	Q501	J-25
D315	H-8	Q502	J-24
D316	H-3	Q551	J-24
D317	H-3	Q601	G-23
D318	H-4	Q602	I-24
D319	H-4	Q603	I-23
D320	H-4	Q604	I-23
D321	H-2	Q605	I-23
D501	E-20	Q651	F-22
D502	E-20	Q801	I-21
D503	E-20	Q802	I-22
D601	G-22	Q803	H-21
D602	I-22		
D603	I-23		
D651	E-23		
D801	D-24		
D803	I-21		
D805	H-21		
D806	I-22		
D807	G-21		
D808	G-21		
IC201	F-18		
IC202	H-18		
IC203	G-16		
IC301	H-6		
IC302	H-3		

Note:
 ● : parts extracted from the component side.
 ● : parts mounted on the conductor side.
 ● WG model: West Germany model



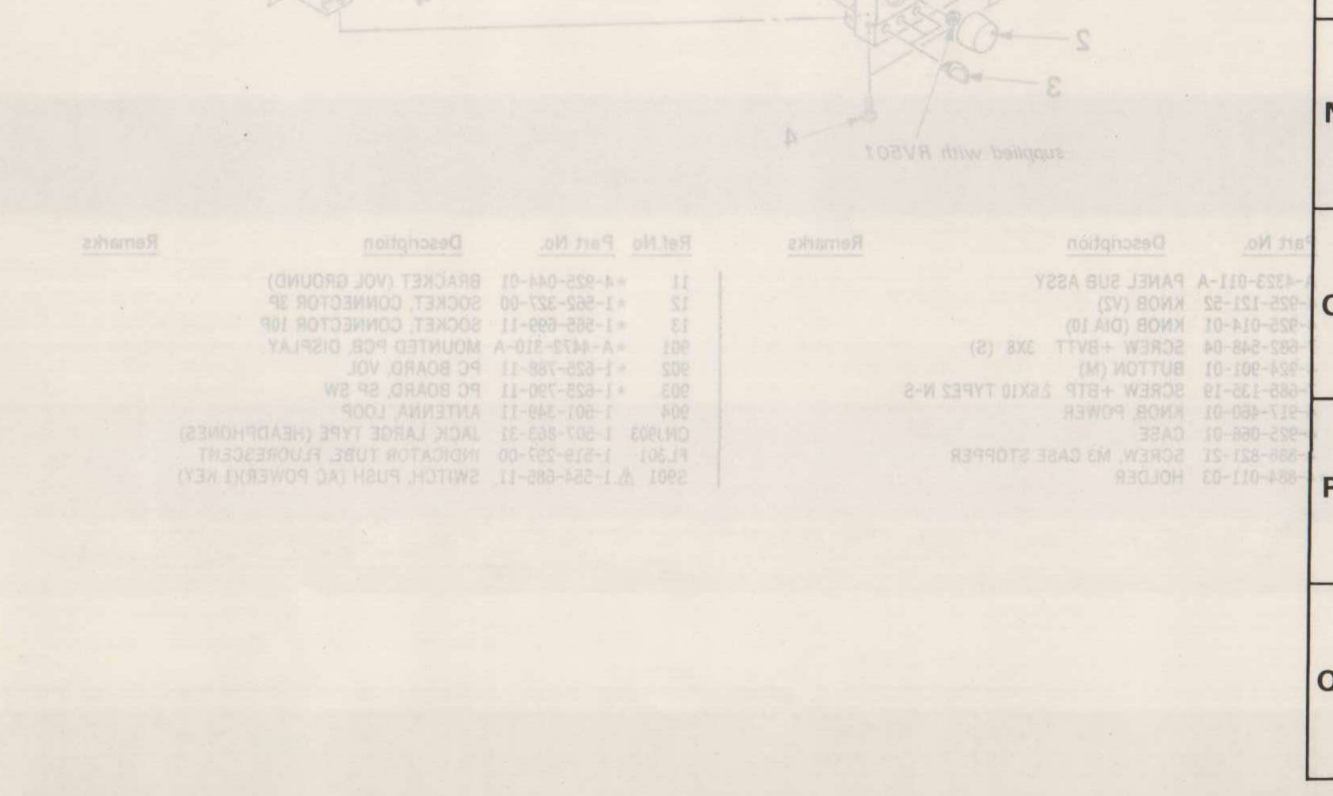
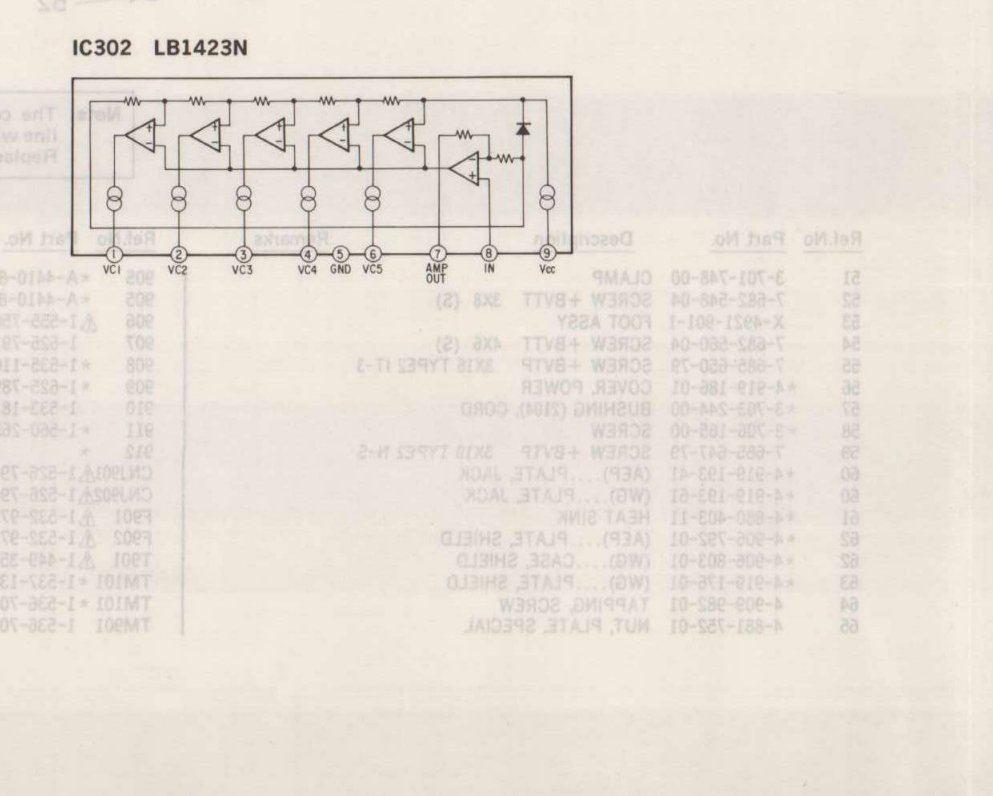
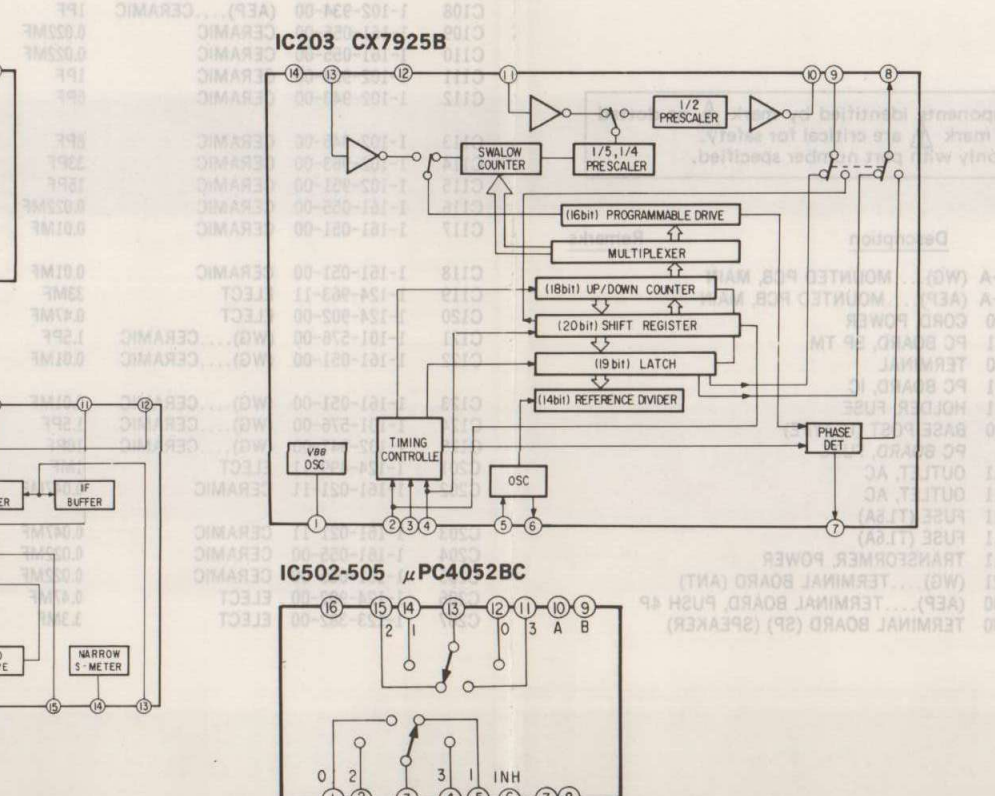
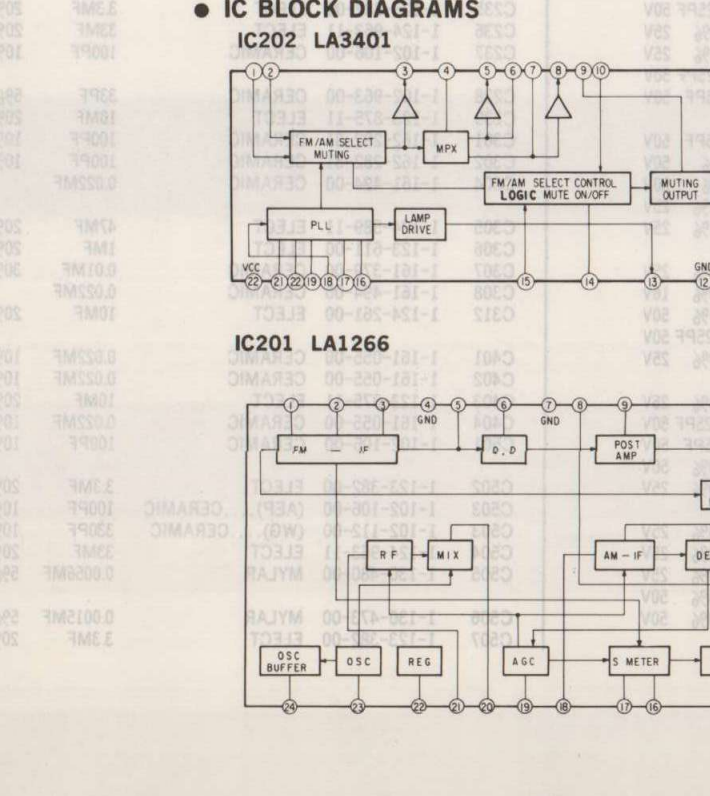
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Note: All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
 All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
 Δ : internal component.
 \square : nonflammable resistor.
 Note: The components identified by mark Δ or dotted line with mark \square are critical for safety. Replace only with part number specified.

• Switch

Ref. No.	Switch	Position
S6	SPEAKER	A
S301	TAPE 2 MONITOR	OFF
S302	TUNING +	OFF
S303	TUNING -	OFF
S304	PHONO	OFF
S305	FM MODE	OFF
S306	PRESET	OFF
S307	SCAN	OFF
S308	VIDEO	OFF
S309	VIDEO	OFF
S311	7	OFF
S312	8	OFF
S313	9	OFF
S314	TAPE 1	OFF
S315	AM	OFF
S316	4	OFF
S317	5	OFF
S318	6	OFF
S319	FM	OFF
S320	CD	OFF
S321	1	OFF
S322	2	OFF
S323	3	OFF
S324	TUNER	OFF
S325	LOUDNESS	OFF
S502	MUTING	OFF
S901	POWER	OFF



SECTION 4 EXPLODED VIEWS

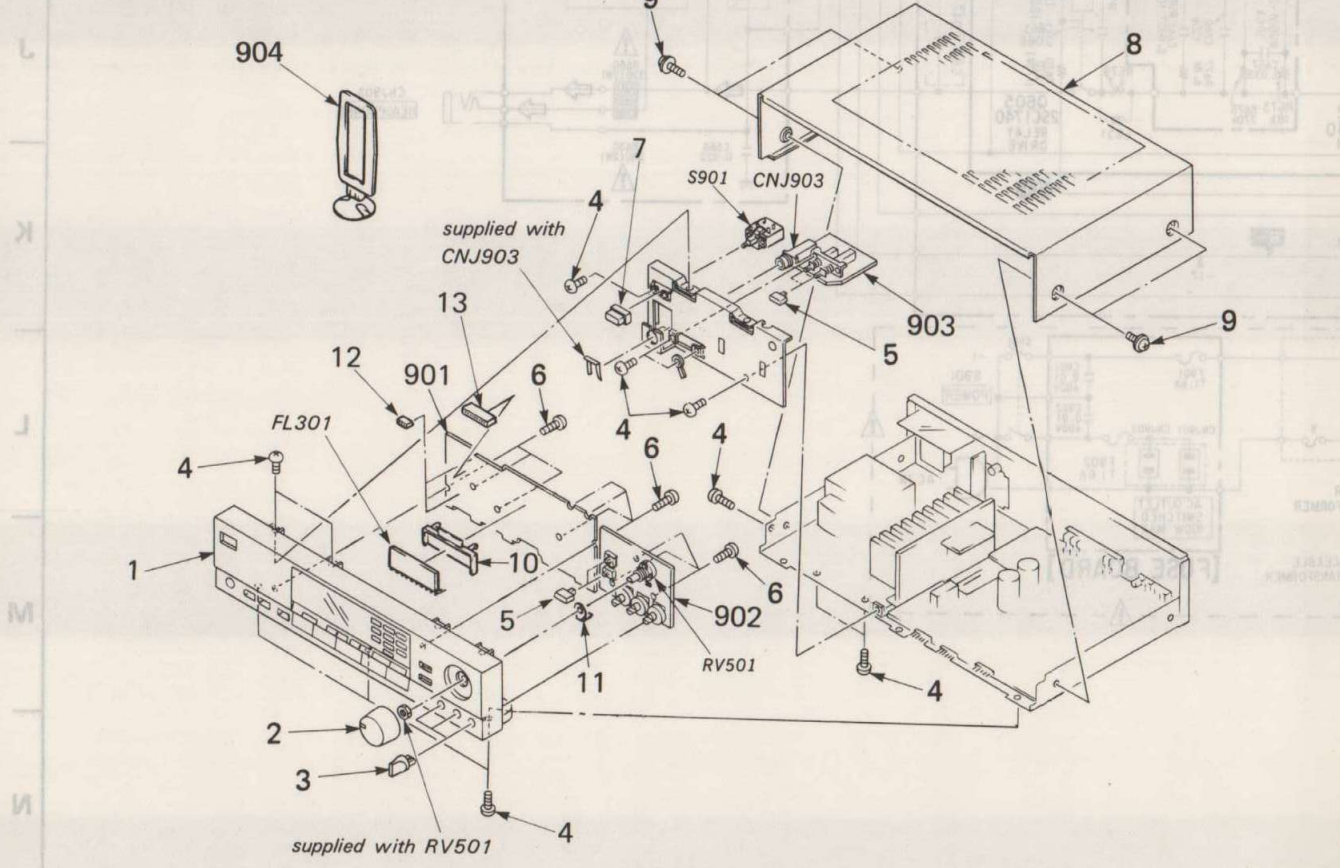
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

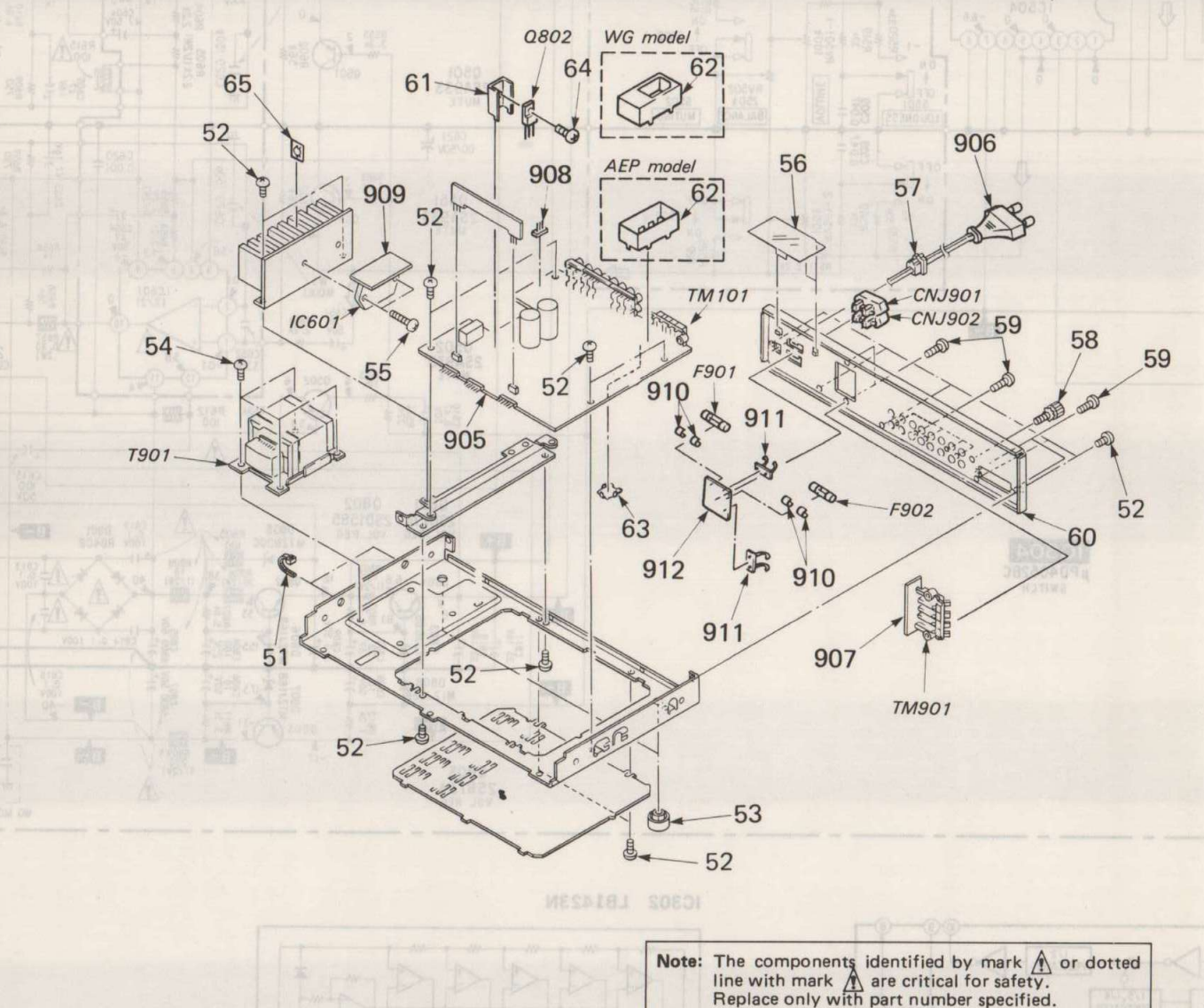
Color Indication of Appearance Parts Example: (RED) ... KNOB, BALANCE (WHITE) Cabinet's Color Parts Color

4-1. CABINET/FRONT PANEL SECTION



Ref.No	Part No.	Description	Remarks
1	A-4323-011-A	PANEL SUB ASSY	
2	4-925-121-52	KNOB (V2)	
3	4-925-014-01	KNOB (DIA.10)	
4	7-682-548-04	SCREW +BVTT 3X8 (S)	
5	4-924-901-01	BUTTON (M)	
6	7-685-135-19	SCREW +BTP 2.6X10 TYPE2 N-S	
7	4-917-460-01	KNOB, POWER	
8	4-925-066-01	CASE	
9	4-886-821-21	SCREW, M3 CASE STOPPER	
10	4-884-011-03	HOLDER	
11	4-925-044-01	BRACKET (VOL GROUND)	
12	*1-562-327-00	SOCKET, CONNECTOR 3P	
13	*1-565-699-11	SOCKET, CONNECTOR 10P	
901	*A-4472-310-A	MOUNTED PCB, DISPLAY	
902	*1-625-788-11	PC BOARD, VOL	
903	*1-625-790-11	PC BOARD, SP SW	
904	1-501-349-11	ANTENNA, LOOP	
909	*1-535-116-00	CORD, POWER	
910	*1-625-789-11	PC BOARD, IC	
911	1-533-183-11	HOLDER, FUSE	
912	*1-560-265-00	PC BOARD, FUSE	
905	*A-4410-800-A	(WG)...MOUNTED PCB, MAIN	
906	Δ 1-555-750-00	(AEP)...MOUNTED PCB, MAIN	
907	*1-625-791-11	PC BOARD, SP TM	
908	*1-535-116-00	CORD, POWER	
909	*1-625-789-11	PC BOARD, IC	
910	1-533-183-11	HOLDER, FUSE	
911	*1-560-265-00	PC BOARD, FUSE	
912	*1-560-265-00	PC BOARD, FUSE	

4-2. CHASSIS SECTION



Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Ref.No	Part No.	Description	Remarks
51	3-701-748-00	CLAMP	
52	*A-4410-801-A	(AEP)...MOUNTED PCB, MAIN	
53	X-4921-901-1	FOOT ASSY	
54	7-682-560-04	SCREW +BVTT 4X6 (S)	
55	*1-535-116-00	CORD, POWER	
56	*4-919-186-01	COVER, POWER	
57	1-533-244-00	BUSHING (2104), CORD	
58	*3-706-165-00	SCREW	
59	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
60	*4-919-193-41	(AEP)...PLATE, JACK	
61	*4-919-193-61	(WG)...PLATE, JACK	
62	*4-880-403-11	HEAT SINK	
63	*4-906-792-01	(AEP)...PLATE, SHIELD	
64	*4-906-803-01	(WG)...CASE, SHIELD	
65	*4-919-176-01	(WG)...PLATE, SHIELD	
66	4-909-982-01	TAPPING, SCREW	
67	4-881-752-01	NUT, PLATE, SPECIAL	
905	*A-4410-800-A	(WG)...MOUNTED PCB, MAIN	
906	Δ 1-555-750-00	(AEP)...MOUNTED PCB, MAIN	
907	*1-625-791-11	PC BOARD, SP TM	
908	*1-535-116-00	CORD, POWER	
909	*1-625-789-11	PC BOARD, IC	
910	1-533-183-11	HOLDER, FUSE	
911	*1-560-265-00	PC BOARD, FUSE	
912	*1-560-265-00	PC BOARD, FUSE	
CN13	1-102-945-00	CERAMIC 8PF 50V	
C101	1-102-942-00	(AEP)...CERAMIC 5PF 1PF 50V	
C102	1-102-945-00	CERAMIC 8PF 1PF 50V	
C103	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C104	1-102-944-00	(AEP)...CERAMIC 7PF 1PF 50V	
C105	1-102-947-00	(WG)...CERAMIC 10PF 0.25PF 50V	
C106	1-101-576-00	(WG)...CERAMIC 1.5PF 0.25PF 50V	
C107	1-102-934-00	(AEP)...CERAMIC 1PF 0.25PF 50V	
C108	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C109	1-102-934-00	(AEP)...CERAMIC 1PF 0.25PF 50V	
C110	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C111	1-102-934-00	(AEP)...CERAMIC 1PF 0.25PF 50V	
C112	1-102-943-00	CERAMIC 6PF 0.5PF 50V	
C113	1-102-945-00	CERAMIC 8PF 50V	
C114	1-102-963-00	CERAMIC 33PF 5% 50V	
C115	1-102-951-00	CERAMIC 15PF 5% 50V	
C116	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C117	1-161-051-00	CERAMIC 0.01MF 10% 25V	
C118	1-161-051-00	CERAMIC 0.01MF 10% 25V	
C119	1-124-963-11	ELECT 33MF 20% 16V	
C120	1-124-902-00	ELECT 0.47MF 20% 50V	
C121	1-101-576-00	(WG)...CERAMIC 1.5PF 0.25PF 50V	
C122	1-161-051-00	(WG)...CERAMIC 0.01MF 10% 25V	
C123	1-161-051-00	(WG)...CERAMIC 0.01MF 10% 25V	
C124	1-101-576-00	(WG)...CERAMIC 1.5PF 0.25PF 50V	
C125	1-102-947-00	(WG)...CERAMIC 10PF 0.5PF 50V	
C201	1-124-499-11	ELECT 1MF 20% 50V	
C202	1-161-051-11	CERAMIC 0.047MF 10% 25V	
C203	1-161-021-11	CERAMIC 0.047MF 10% 25V	
C204	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C205	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C206	1-124-902-00	ELECT 0.47MF 20% 50V	
C207	1-123-382-00	ELECT 3.3MF 20% 50V	
C208	1-123-382-00	ELECT 3.3MF 20% 50V	
C209	1-130-481-00	MYLAR 0.0068MF 5% 50V	
C210	1-124-477-11	ELECT 47MF 20% 16V	
C211	1-130-491-00	MYLAR 0.047MF 5% 50V	
C212	1-124-477-11	ELECT 47MF 20% 16V	
C213	1-130-489-00	MYLAR 0.033MF 5% 50V	
C214	1-102-963-00	(AEP)...CERAMIC 33PF 5% 50V	
C215	1-102-112-00	CERAMIC 330PF 10% 50V	
C216	1-123-875-11	ELECT 10MF 20% 50V	
C217	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C218	1-124-902-00	ELECT 0.47MF 20% 50V	
C219	1-124-499-11	ELECT 1MF 20% 50V	
C220	1-124-499-11	ELECT 1MF 20% 50V	
C221	1-124-499-11	ELECT 1MF 20% 50V	
C222	1-123-875-11	ELECT 10MF 20% 50V	
C223	1-102-115-00	CERAMIC 560PF 10% 50V	
C224	1-102-115-00	CERAMIC 560PF 10% 50V	
C225	1-124-499-11	ELECT 1MF 20% 50V	
C226	1-123-875-11	ELECT 10MF 20% 50V	
C227	1-123-875-11	ELECT 10MF 20% 50V	
C228	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C229	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C230	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C231	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C232	1-101-890-00	CERAMIC 75PF 5% 50V	
C233	1-101-880-00	CERAMIC 47PF 5% 50V	
C234	1-123-875-11	ELECT 10MF 20% 50V	
C235	1-123-382-00	ELECT 3.3MF 20% 50V	
C236	1-124-963-11	ELECT 33MF 20% 16V	
C237	1-102-106-00	CERAMIC 100PF 10% 50V	
C238	1-102-963-00	CERAMIC 33PF 5% 50V	
C239	1-123-875-11	ELECT 10MF 20% 50V	
C301	1-162-282-31	CERAMIC 100PF 10% 50V	
C302	1-162-282-31	CERAMIC 100PF 10% 50V	
C304	1-161-494-00	CERAMIC 0.022MF 25V	
C305	1-124-589-11	ELECT 47MF 20% 16V	
C306	1-123-875-11	ELECT 1MF 20% 50V	
C307	1-161-379-00	CERAMIC 0.01MF 30% 16V	
C308	1-161-494-00	CERAMIC 0.022MF 25V	
C312	1-124-261-00	ELECT 10MF 20% 50V	
C401	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C402	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C403	1-123-875-11	ELECT 10MF 20% 50V	
C404	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C501	1-102-106-00	CERAMIC 100PF 10% 50V	
C502	1-123-382-00	ELECT 3.3MF 20% 50V	
C503	1-102-106-00	(AEP)...CERAMIC 100PF 10% 50V	
C503	1-102-112-00	(WG)...CERAMIC 330PF 10% 50V	
C504	1-124-963-11	ELECT 33MF 20% 16V	
C505	1-130-480-00	MYLAR 0.0056MF 5% 50V	
C506	1-130-473-00	MYLAR 0.0015MF 5% 50V	
C507	1-123-382-00	ELECT 3.3MF 20% 50V	
C508	1-124-499-11	ELECT 1MF 20% 50V	
C509	1-130-491-00	MYLAR 0.047MF 5% 50V	
C510	1-124-902-00	ELECT 0.47MF 20% 50V	
C551	1-102-106-00	CERAMIC 100PF 10% 50V	
C552	1-123-382-00	ELECT 3.3MF 20% 50V	
C553	1-102-106-00	(AEP)...CERAMIC 100PF 10% 50V	
C553	1-102-112-00	(WG)...CERAMIC 330PF 10% 50V	
C554	1-124-963-11	ELECT 33MF 20% 16V	
C555	1-130-480-00	MYLAR 0.0056MF 5% 50V	
C556	1-130-473-00	MYLAR 0.0015MF 5% 50V	
C557	1-123-382-00	ELECT 3.3MF 20% 50V	
C558	1-124-499-11	ELECT 1MF 20% 50V	
C559	1-130-491-00	MYLAR 0.047MF 5% 50V	
C601	1-123-875-11	ELECT 10MF 20% 50V	
C602	1-102-112-00	CERAMIC 330PF 10% 50V	
C604	1-124-910-11	ELECT 47MF 20% 50V	
C605	1-124-477-11	ELECT 47MF 20% 16V	
C607	1-130-489-00	MYLAR 0.033MF 5% 50V	
C608	1-124-464-11	ELECT 0.22MF 20% 50V	
C609	1-130-495-00	MYLAR 0.1MF 5% 50V	
C610	1-102-108-00	CERAMIC 150PF 10% 50V	
C611	1-130-477-00	MYLAR 0.0033MF 5% 50V	
C612	1-130-487-00	MYLAR 0.022MF 5% 50V	
C613	1-130-493-00	MYLAR 0.068MF 5% 50V	
C614	1-123-875-11	ELECT 10MF 20% 50V	
C615	1-124-122-11	ELECT 100MF 20% 50V	
C616	1-123-875-11	ELECT 10MF 20% 50V	
C617	1-126-101-11	ELECT 100MF 20% 16V	
C618	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C619	1-130-493-00	MYLAR 0.068MF 5% 50V	
C620	1-130-471-00	MYLAR 0.001MF 5% 50V	
C621	1-124-122-11	ELECT 100MF 20% 50V	
C622	1-130-471-00	(WG)...MYLAR 0.001MF 5% 50V	
C623	1-161-051-00	(WG)...CERAMIC 0.01MF 10% 25V	
C624	1-161-051-00	(WG)...CERAMIC 0.01MF 10% 25V	
C625	1-161-051-00	(WG)...CERAMIC 0.01MF 10% 25V	
C626	1-161-051-00	(WG)...CERAMIC 0.01MF 10% 25V	
C627	1-161-021-11	(WG)...CERAMIC 0.047MF 10% 25V	
C628	1-161-021-11	(WG)...CERAMIC 0.047MF 10% 25V	
C629	1-102-108-00	(WG)...CERAMIC 150PF 10% 50V	
C651	1-123-875-11	ELECT 47PF 5% 50V	
C652	1-102-112-00	CERAMIC 330PF 10% 50V	
C654	1-124-910-11	ELECT 47MF 20% 50V	
C655	1-124-477-11	ELECT 47MF 20% 16V	
C657	1-130-489-00	MYLAR 0.033MF 5% 50V	
C658	1-124-464-11	ELECT 0.22MF 20% 50V	
C659	1-130-495-00	MYLAR 0.1MF 5% 50V	
C660	1-102-108-00	CERAMIC 150PF 10% 50V	
C661	1-130-477-00	MYLAR 0.0033MF 5% 50V	
C662	1-130-487-00	MYLAR 0.022MF 5% 50V	
C663	1-130-493-00	MYLAR 0.068MF 5% 50V	
C664	1-123-875-11	ELECT 10MF 20% 50V	
C668	1-161-055-00	CERAMIC 0.022MF 10% 25V	
C669	1-130-493-00	MYLAR 0.068MF 5% 50V	
C673	1-161-051-00	(WG)...CERAMIC 0.01MF 10% 25V	
C674	1-161-051-00	(WG)...CERAMIC 0.01MF 10% 25V	
C675	1-161-051-00	(WG)...CERAMIC 0.01MF 10% 25V	
C676	1-161-051-00	(WG)...CERAMIC 0.01MF 10% 25V	
C677	1-161-021-11	(WG)...CERAMIC 0.047MF 10% 25V	
C678	1-161-021-11	(WG)...CERAMIC 0.047MF 10% 25V	
C679	1-102-108-00	(WG)...CERAMIC 150PF 10% 50V	
C802	1-124-963-11	ELECT 33MF 20% 16V	
C804	1-124-477-11	ELECT 47MF 20% 50V	
C805	Δ 1-126-307-11	ELECT 6800MF 20% 50V	
C806	1-123-875-11	ELECT 10MF 20% 50V	
C807	Δ 1-126-307-11	ELECT 6800MF 20% 50V	
C808	1-123-875-11	ELECT 10MF 20% 50V	
C809	1-123-382-00	ELECT 3.3MF 20% 50V	
C810	1-124-963-11	ELECT 33MF 20% 16V	
C811	1-123-382-00	ELECT 3.3MF 20% 50V	
C812	Δ 1-130-777-00	FILM 0.1MF 5% 100V	
C813	Δ 1-130-777-00	FILM 0.1MF 5% 100V	
C814	Δ 1-130-777-00	FILM 0.1MF 5% 100V	
C815	Δ 1-130-777-00	FILM 0.1MF 5% 100V	
C816	1-101-005-00	(WG)...CERAMIC 0.022MF 50V	
C817	1-101-005-00	(WG)...CERAMIC 0.022MF 50V	
C818	1-101-005-00	(WG)...CERAMIC 0.022MF 50V	
C901	Δ 1-161-744-00	CERAMIC 0.01MF 400V	
C902	Δ 1-161-744-00	CERAMIC 0.01MF 400V	
CF101	1-567-389-11	FILTER, CERAMIC	
CF102	1-567-389-11	(WG)...FILTER, CERAMIC	
CF103	1-567-38		

Ref.No	Part No.	Description
D602	8-719-901-33	DIODE 1SS133
D603	8-719-901-33	DIODE 1SS133
D651	8-719-901-33	DIODE 1SS133
D801	▲ 8-719-300-57	DIODE RB402
D803	8-719-100-41	DIODE RD6.8E-B2
D805	8-719-100-80	DIODE RD20E-B2
D806	8-719-100-74	DIODE RD16E-B2
D807	8-719-100-77	DIODE RD18E-B2
D808	8-719-100-41	DIODE RD6.8E-B2
F901	▲ 1-532-973-11	FUSE (T1.6A)
F902	▲ 1-532-973-11	FUSE (T1.6A)
FL301	1-519-297-00	INDICATOR TUBE, FLUORESCENT
IC201	8-759-804-55	IC LA1266
IC202	8-759-801-80	IC LA3401
IC203	8-757-925-20	IC CX7925B
IC301	8-759-230-18	IC TMP47C210N-3074
IC302	8-759-801-04	IC LB1403N
IC501	8-759-112-93	IC UPC4570HA-1
IC502	8-759-102-37	IC UPD4052BC
IC503	8-759-102-37	IC UPD4052BC
IC504	8-759-102-37	IC UPD4052BC
IC505	8-759-102-37	IC UPD4052BC
IC601	▲ 8-749-900-34	IC STK4182MK2
J501	1-565-320-11	JACK, PIN 6P (PHONO, CD/AUX, VIDEO)
J502	1-565-320-11	JACK, PIN 6P (VIDEO, TAPE1)
J503	1-565-258-21	JACK, PIN 4P (TAPE2)
L101	*1-402-258-11	COIL, ANT
L102	*1-422-077-00	(WG)... COIL, AIR-CORE
L102	1-426-304-11	(AEP)... COIL, RF (FM)
L103	*1-422-038-00	(WG)... COIL, AIR-CORE
L105	1-410-320-11	INDUCTOR 2.2UH
L106	*1-459-703-11	COIL (WITH CORE)
L107	*1-422-081-00	(WG)... COIL (WITH CORE)
L301	1-410-334-11	INDUCTOR 100UH
L401	1-410-328-11	INDUCTOR 10UH
L601	*1-420-872-00	COIL, AIR CORE
L651	*1-420-872-00	COIL, AIR CORE
LPF201	1-235-983-11	(WG)... FILTER
N0701	*1-562-251-00	SOCKET, CONNECTOR 6P
N0702	*1-562-250-00	SOCKET, CONNECTOR 5P
N0704	*1-562-249-00	SOCKET, CONNECTOR 4P
N0705	*1-562-249-00	SOCKET, CONNECTOR 4P
N0706	*1-562-249-00	SOCKET, CONNECTOR 4P
Q101	8-729-200-55	TRANSISTOR 2SK241-Y
Q102	8-729-353-52	TRANSISTOR 2SC535
Q103	8-729-672-44	TRANSISTOR 2SC2724-E
Q104	8-729-672-44	TRANSISTOR 2SC2724-E
Q105	8-729-672-44	TRANSISTOR 2SC2724-E
Q106	8-729-200-55	(WG)... TRANSISTOR 2SK241-Y
Q107	8-729-672-44	(WG)... TRANSISTOR 2SC2724-E
Q201	8-729-600-47	TRANSISTOR 2SC634SP
Q202	8-729-600-47	TRANSISTOR 2SC634SP
Q203	8-729-204-83	TRANSISTOR 2SA1048GR
Q204	8-729-224-62	TRANSISTOR 2SK246-GR
Q205	8-729-600-47	TRANSISTOR 2SC634SP
Q208	8-729-600-47	TRANSISTOR 2SC634SP
Q301	8-729-900-63	TRANSISTOR DTA124ES
Q501	8-729-204-83	TRANSISTOR 2SA1048GR
Q502	8-729-204-83	TRANSISTOR 2SA1048GR
Q551	8-729-204-83	TRANSISTOR 2SA1048GR
Q601	8-729-108-14	TRANSISTOR 2SA988-F

Ref.No	Part No.	Description
Q602	8-729-600-47	TRANSISTOR 2SC634SP
Q603	8-729-600-47	TRANSISTOR 2SC634SP
Q604	8-729-600-47	TRANSISTOR 2SC634SP
Q605	8-729-600-47	TRANSISTOR 2SC634SP
Q651	8-729-108-14	TRANSISTOR 2SA988-F
Q801	8-729-177-42	TRANSISTOR 2SD774-3
Q802	8-729-107-25	TRANSISTOR 2SD1585-L
Q803	8-729-103-43	TRANSISTOR 2SB734-T-5
RESISTOR		
R101	1-249-441-11	CARBON 100K 5% 1/4W
R102	1-249-437-11	CARBON 47K 5% 1/4W
R103	1-249-403-11	CARBON 68 5% 1/4W
R104	1-249-411-11	CARBON 330 5% 1/4W
R105	1-249-441-11	CARBON 100K 5% 1/4W
R106	1-247-901-11	CARBON 820K 5% 1/4W
R107	1-249-411-11	CARBON 330 5% 1/4W
R108	1-247-893-11	CARBON 390K 5% 1/4W
R109	1-249-428-11	CARBON 8.2K 5% 1/4W
R110	1-249-428-11	CARBON 8.2K 5% 1/4W
R111	1-249-422-11	CARBON 2.7K 5% 1/4W
R112	1-249-429-11	CARBON 10K 5% 1/4W
R113	1-249-406-11	CARBON 120 5% 1/4W
R114	1-249-406-11	CARBON 120 5% 1/4W
R115	1-249-406-11	CARBON 120 5% 1/4W
R116	1-249-414-11	CARBON 560 5% 1/4W
R117	1-249-411-11	CARBON 330 5% 1/4W
R118	1-249-411-11	CARBON 330 5% 1/4W
R119	1-249-433-11	CARBON 22K 5% 1/4W
R120	1-249-433-11	CARBON 22K 5% 1/4W
R121	1-249-411-11	CARBON 330 5% 1/4W
R122	1-249-424-11	CARBON 3.9K 5% 1/4W
R123	1-249-414-11	CARBON 560 5% 1/4W
R126	1-249-433-11	(WG)... CARBON 22K 5% 1/4W
R127	1-249-433-11	(WG)... CARBON 22K 5% 1/4W
R128	1-249-411-11	(WG)... CARBON 330 5% 1/4W
R129	1-249-424-11	(WG)... CARBON 3.9K 5% 1/4W
R130	1-249-411-11	(WG)... CARBON 330 5% 1/4W
R131	1-249-441-11	CARBON 100K 5% 1/4W
R132	1-249-414-11	(WG)... CARBON 560 5% 1/4W
R133	1-249-437-11	(WG)... CARBON 47K 5% 1/4W
R201	1-249-433-11	CARBON 22K 5% 1/4W
R202	1-249-417-11	CARBON 1K 5% 1/4W
R203	1-249-425-11	CARBON 4.7K 5% 1/4W
R204	1-249-406-11	CARBON 120 5% 1/4W
R205	1-249-429-11	CARBON 10K 5% 1/4W
R206	1-249-429-11	CARBON 10K 5% 1/4W
R207	1-249-423-11	CARBON 3.3K 5% 1/4W
R208	1-249-425-11	CARBON 4.7K 5% 1/4W
R209	1-249-406-11	CARBON 120 5% 1/4W
R210	1-249-406-11	CARBON 120 5% 1/4W
R211	1-249-417-11	CARBON 1K 5% 1/4W
R212	1-249-441-11	CARBON 100K 5% 1/4W
R213	1-247-881-00	CARBON 120K 5% 1/4W
R214	1-247-883-00	CARBON 150K 5% 1/4W
R215	1-247-881-00	CARBON 120K 5% 1/4W
R216	1-247-883-00	CARBON 150K 5% 1/4W
R217	1-249-421-11	CARBON 2.2K 5% 1/4W
R218	1-249-425-11	CARBON 4.7K 5% 1/4W
R219	1-249-421-11	CARBON 2.2K 5% 1/4W
R220	1-249-425-11	CARBON 4.7K 5% 1/4W
R221	1-249-438-11	CARBON 56K 5% 1/4W
R222	1-249-423-11	CARBON 3.3K 5% 1/4W
R223	1-249-429-11	CARBON 10K 5% 1/4W
R224	1-249-438-11	CARBON 56K 5% 1/4W

Note: The components identified by mark ▲ or dotted line with mark ▲ are critical for safety. Replace only with part number specified.

Note: The components identified by mark ▲ or dotted line with mark ▲ are critical for safety. Replace only with part number specified.



Ref.No	Part No.	Description	Ref.No	Part No.	Description
R225	1-249-417-11	CARBON 1K 5% 1/4W	R230	1-249-417-11	CARBON 1K 5% 1/4W
R226	1-249-423-11	CARBON 3.3K 5% 1/4W	R231	1-249-425-11	CARBON 4.7K 5% 1/4W
R227	1-249-429-11	CARBON 10K 5% 1/4W	R232	1-249-411-11	CARBON 330 5% 1/4W
R228	1-249-429-11	CARBON 10K 5% 1/4W	R233	1-249-417-11	CARBON 1K 5% 1/4W
R229	1-249-429-11	CARBON 10K 5% 1/4W	R234	1-249-406-11	CARBON 120 5% 1/4W
R235	1-249-424-11	CARBON 3.9K 5% 1/4W	R240	1-249-441-11	CARBON 100K 5% 1/4W
R236	1-249-425-11	CARBON 4.7K 5% 1/4W	R241	1-247-695-11	CARBON 39 5% 1/4W
R237	1-247-701-11	CARBON 120 5% 1/4W	R242	1-249-433-11	CARBON 22K 5% 1/4W
R238	1-249-441-11	CARBON 100K 5% 1/4W	R243	1-249-438-11	CARBON 56K 5% 1/4W
R239	1-249-441-11	CARBON 100K 5% 1/4W	R244	1-249-438-11	CARBON 56K 5% 1/4W
R245	1-249-441-11	CARBON 100K 5% 1/4W	R246	1-249-438-11	CARBON 56K 5% 1/4W
R247	1-249-437-11	CARBON 47K 5% 1/4W	R247	1-249-437-11	CARBON 47K 5% 1/4W
R301	1-249-441-11	CARBON 100K 5% 1/4W	R301	1-249-441-11	CARBON 100K 5% 1/4W
R302	1-249-441-11	CARBON 100K 5% 1/4W	R302	1-249-441-11	CARBON 100K 5% 1/4W
R303	1-249-441-11	CARBON 100K 5% 1/4W	R303	1-249-441-11	CARBON 100K 5% 1/4W
R304	1-249-441-11	CARBON 100K 5% 1/4W	R304	1-249-441-11	CARBON 100K 5% 1/4W
R305	1-249-441-11	CARBON 100K 5% 1/4W	R305	1-249-441-11	CARBON 100K 5% 1/4W
R306	1-249-441-11	CARBON 100K 5% 1/4W	R306	1-249-441-11	CARBON 100K 5% 1/4W
R307	1-249-441-11	CARBON 100K 5% 1/4W	R307	1-249-441-11	CARBON 100K 5% 1/4W
R308	1-249-441-11	CARBON 100K 5% 1/4W	R308	1-249-441-11	CARBON 100K 5% 1/4W
R309	1-249-441-11	CARBON 100K 5% 1/4W	R309	1-249-441-11	CARBON 100K 5% 1/4W
R310	1-249-441-11	CARBON 100K 5% 1/4W	R310	1-249-441-11	CARBON 100K 5% 1/4W
R311	1-249-441-11	CARBON 100K 5% 1/4W	R311	1-249-441-11	CARBON 100K 5% 1/4W
R312	1-249-441-11	CARBON 100K 5% 1/4W	R312	1-249-441-11	CARBON 100K 5% 1/4W
R313	1-249-441-11	CARBON 100K 5% 1/4W	R313	1-249-441-11	CARBON 100K 5% 1/4W
R314	1-249-441-11	CARBON 100K 5% 1/4W	R314	1-249-441-11	CARBON 100K 5% 1/4W
R315	1-249-441-11	CARBON 100K 5% 1/4W	R315	1-249-441-11	CARBON 100K 5% 1/4W
R316	1-249-441-11	CARBON 100K 5% 1/4W	R316	1-249-441-11	CARBON 100K 5% 1/4W
R317	1-249-441-11	CARBON 100K 5% 1/4W	R317	1-249-441-11	CARBON 100K 5% 1/4W
R319	1-249-441-11	CARBON 100K 5% 1/4W	R319	1-249-441-11	CARBON 100K 5% 1/4W
R320	1-216-430-11	METAL OXIDE 390 5% 1W	R320	1-216-430-11	METAL OXIDE 390 5% 1W
R322	1-249-410-11	CARBON 270 5% 1/4W	R322	1-249-410-11	CARBON 270 5% 1/4W
R323	1-247-889-00	CARBON 270K 5% 1/4W	R323	1-247-889-00	CARBON 270K 5% 1/4W
R324	1-249-425-11	CARBON 4.7K 5% 1/4W	R324	1-249-425-11	CARBON 4.7K 5% 1/4W
R325	1-247-742-11	CARBON 180 5% 1/2W	R325	1-247-742-11	CARBON 180 5% 1/2W
R326	1-249-441-11	CARBON 100K 5% 1/4W	R326	1-249-441-11	CARBON 100K 5% 1/4W
R327	1-249-425-11	CARBON 4.7K 5% 1/4W	R327	1-249-425-11	CARBON 4.7K 5% 1/4W
R328	1-249-438-11	CARBON 56K 5% 1/4W	R328	1-249-438-11	CARBON 56K 5% 1/4W
R329	1-249-438-11	CARBON 56K 5% 1/4W	R329	1-249-438-11	CARBON 56K 5% 1/4W
R331	1-249-429-11	CARBON 10K 5% 1/4W	R331	1-249-429-11	CARBON 10K 5% 1/4W
R333	1-249-401-11	CARBON 47 5% 1/4W	R333	1-249-401-11	CARBON 47 5% 1/4W
R401	1-249-437-11	CARBON 47K 5% 1/4W	R401	1-249-437-11	CARBON 47K 5% 1/4W
R402	1-249-441-11	CARBON 100K 5% 1/4W	R402	1-249-441-11	CARBON 100K 5% 1/4W
R501	1-249-425-11	CARBON 4.7K 5% 1/4W	R501	1-249-425-11	CARBON 4.7K 5% 1/4W
R502	1-247-897-11	CARBON 560K 5% 1/4W	R502	1-247-897-11	CARBON 560K 5% 1/4W
R503	1-249-417-11	CARBON 1K 5% 1/4W	R503	1-249-417-11	CARBON 1K 5% 1/4W
R504	1-249-425-11	CARBON 4.7K 5% 1/4W	R504	1-249-425-11	CARBON 4.7K 5% 1/4W
R505	1-247-897-11	CARBON 560K 5% 1/4W	R505	1-247-897-11	CARBON 560K 5% 1/4W
R506	1-249-417-11	CARBON 1K 5% 1/4W	R506	1-249-417-11	CARBON 1K 5% 1/4W
R507	1-249-417-11	CARBON 1K 5% 1/4W	R507	1-249-417-11	CARBON 1K 5% 1/4W
R508	1-249-411-11	CARBON 330 5% 1/4W	R508	1-249-411-11	CARBON 330 5% 1/4W
R509	1-249-437-11	CARBON 47K 5% 1/4W	R509	1-249-437-11	CARBON 47K 5% 1/4W
R510	1-247-897-11	CARBON 560K 5% 1/4W	R510	1-247-897-11	CARBON 560K 5% 1/4W
R511	1-249-417-11	CARBON 1K 5% 1/4W	R511	1-249-417-11	CARBON 1K 5% 1/4W

Ref.No	Part No.	Description	Ref.No	Part No.	Description
R512	1-247-897-11	CARBON 560K 5% 1/4W	R517	1-247-897-11	CARBON 560K 5% 1/4W
R513	1-249-437-11	CARBON 47K 5% 1/4W	R518	1-247-897-11	CARBON 560K 5% 1/4W
R514	1-249-417-11	CARBON 1K 5% 1/4W	R519	1-249-435-11	CARBON 33K 5% 1/4W
R515	1-247-897-11	CARBON 560K 5% 1/4W	R520	1-249-435-11	CARBON 33K 5% 1/4W
R516	1-247-897-11	CARBON 560K 5% 1/4W	R521	1-249-421-11	CARBON 2.2K 5% 1/4W
R522	1-247-897-11	CARBON 560K 5% 1/4W	R528	1-249-441-11	CARBON 100K 5% 1/4W
R523	1-249-429-11	CARBON 10K 5% 1/4W	R529	1-249-441-11	CARBON 100K 5% 1/4W
R524	1-249-433-11	CARBON 22K 5% 1/4W	R530	1-249-417-11	CARBON 1K 5% 1/4W
R525	1-249-417-11	(WG)...CARBON 1K 5% 1/4W	R531	1-249-425-11	CARBON 4.7K 5% 1/4W
R526	1-249-416-11	CARBON 820 5% 1/4W	R532	1-247-897-11	CARBON 560K 5% 1/4W
R533	1-249-423-11	CARBON 3.3K 5% 1/4W	R533	1-249-423-11	CARBON 3.3K 5% 1/4W
R534	1-249-429-11	CARBON 10K 5% 1/4W	R534	1-249-429-11	CARBON 10K 5% 1/4W
R551	1-249-425-11	CARBON 4.7K 5% 1/4W	R551	1-249-425-11	CARBON 4.7K 5% 1/4W
R552	1-247-897-11	CARBON 560K 5% 1/4W	R552	1-247-897-11	CARBON 560K 5% 1/4W
R553	1-249-417-11	CARBON 1K 5% 1/4W	R553	1-249-417-11	CARBON 1K 5% 1/4W
R554	1-249-425-11	CARBON 4.7K 5% 1/4W	R554	1-249-425-11	CARBON 4.7K 5% 1/4W
R555	1-247-897-11	CARBON 560K 5% 1/4W	R555	1-247-897-11	CARBON 560K 5% 1/4W
R556	1-249-417-11	CARBON 1K 5% 1/4W	R556	1-249-417-11	CARBON 1K 5% 1/4W
R557	1-249-417-11	CARBON 1K 5% 1/4W	R557	1-249-417-11	CARBON 1K 5% 1/4W
R558	1-249-411-11	CARBON 330 5% 1/4W	R558	1-249-411-11	CARBON 330 5% 1/4W
R559	1-249-437-11	CARBON 47K 5% 1/4W	R559	1-249-437-11	CARBON 47K 5% 1/4W
R560	1-247-897-11	CARBON 560K 5% 1/4W	R560	1-247-897-11	CARBON 560K 5% 1/4W
R561	1-249-417-11	CARBON 1K 5% 1/4W	R561	1-249-417-11	CARBON 1K 5% 1/4W
R562	1-247-897-11	CARBON 560K 5% 1/4W	R562	1-247-897-11	CARBON 560K 5% 1/4W
R563	1-249-437-11	CARBON 47K 5% 1/4W	R563	1-249-437-11	CARBON 47K 5% 1/4W
R564	1-249-417-11	CARBON 1K 5% 1/4W	R564	1-249-417-11	CARBON 1K 5% 1/4W
R569	1-249-435-11	CARBON 33K 5% 1/4W	R569	1-249-435-11	CARBON 33K 5% 1/4W
R570	1-249-435-11	CARBON 33K 5% 1/4W	R570	1-249-435-11	CARBON 33K 5% 1/4W
R571	1-249-421-11	CARBON 2.2K 5% 1/4W	R571	1-249-421-11	CARBON 2.2K 5% 1/4W
R572	1-247-897-11	CARBON 560K 5% 1/4W	R572	1-247-897-11	CARBON 560K 5% 1/4W
R575	1-249-417-11	(WG)...CARBON 1K 5% 1/4W	R575	1-249-417-11	(WG)...CARBON 1K 5% 1/4W
R576	1-249-416-11	CARBON 820 5% 1/4W	R576	1-249-416-11	CARBON 820 5% 1/4W
R580	1-249-417-11	CARBON 1K 5% 1/4W	R580	1-249-417-11	CARBON 1K 5% 1/4W
R581	1-249-425-11	CARBON 4.7K 5% 1/4W	R581	1-249-425-11	CARBON 4.7K 5% 1/4W
R582	1-247-897-11	CARBON 560K 5% 1/4W	R582	1-247-897-11	CARBON 560K 5% 1/4W
R583	1-249-423-11	CARBON 3.3K 5% 1/4W	R583	1-249-423-11	CARBON 3.3K 5% 1/4W
R601	1-249-421-11	CARBON 2.2K 5% 1/4W	R601	1-249-421-11	CARBON 2.2K 5% 1/4W
R602	1-249-438-11	CARBON 56K 5% 1/4W	R602	1-249-438-11	CARBON 56K 5% 1/4W
R604	1-247-717-11	CARBON 2.2K 5% 1/4W	R604	1-247-717-11	CARBON 2.2K 5% 1/4W
R605	1-247-756-11	CARBON 2.2K 5% 1/2W	R605	1-247-756-11	CARBON 2.2K 5% 1/2W
R606	1-249-417-11	CARBON 1K 5% 1/4W	R606	1-249-417-11	CARBON 1K 5% 1/4W
R607	1-217-152-00	METAL PLATE 0.33 1/2W	R607	1-217-152-00	METAL PLATE 0.33 1/2W
R608	1-249-438-11	CARBON 56K 5% 1/4W	R608	1-249-438-11	CARBON 56K 5% 1/4W
R609	1-247-828-11	CARBON 750 5% 1/4W	R609	1-247-828-11	CARBON 750 5% 1/4W
R610	1-249-427-11	CARBON 6.8K 5% 1/4W	R610	1-249-427-11	CARBON 6.8K 5% 1/4W
R611	1-249-435-11	CARBON 33K 5% 1/4W	R611	1-249-435-11	CARBON 33K 5% 1/4W
R612	1-247-700-11	CARBON 100 5% 1/4W	R612	1-247-700-11	CARBON 100 5% 1/4W
R614	1-249-437-11	CARBON 47K 5% 1/4W	R614	1-249-437-11	CARBON 47K 5% 1/4W
R615	1-247-700-11	CARBON 100 5% 1/4W	R615	1-247-700-11	CARBON 100 5% 1/4W
R616	1-249-441-11	CARBON 100K 5% 1/4W	R616	1-249-441-11	CARBON 100K 5% 1/4W
R617	1-249-433-11	CARBON 22K 5% 1/4W	R617	1-249-433-11	CARBON 22K 5% 1/4W
R618	1-249-438-11	CARBON 56K 5% 1/4W	R618	1-249-438-11	CARBON 56K 5% 1/4W
R619	1-249-433-11	CARBON 22K 5% 1/4W	R619	1-249-433-11	CARBON 22K 5% 1/4W
R620	1-247-744-11	CARBON 270 5% 1/2W	R620	1-247-744-11	CARBON 270 5% 1/2W
R621	1-249-435-11	CARBON 33K 5% 1/4W	R621	1-249-435-11	CARBON 33K 5% 1/4W

Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Ref.No	Part No.	Description	Ref.No	Part No.	Description
R622	1-249-421-11	CARBON 2.2K 5% 1/4W	R627	1-249-427-11	CARBON 6.8K 5% 1/4W
R623	1-249-432-11	CARBON 18K 5% 1/4W	R628	1-247-727-11	CARBON 10 5% 1/2W
R624	1-249-431-11	CARBON 15K 5% 1/4W	R629	1-249-455-11	CARBON 4.7 5% 1/4W
R625	1-247-889-00	CARBON 270K 5% 1/4W	R630	1-215-914-11	WIREWOUND 330 10% 2W
R626	1-249-416-11	CARBON 820 5% 1/4W	R631	1-249-427-11	CARBON 6.8K 5% 1/4W
R634	1-247-688-11	(WG)...CARBON 10 5% 1/4W	R634	1-247-688-11	(WG)...CARBON 10 5% 1/4W
R635	1-247-688-11	(WG)...CARBON 10 5% 1/4W	R635	1-247-688-11	(WG)...CARBON 10 5% 1/4W
R651	1-249-421-11	CARBON 2.2K 5% 1/4W	R651	1-249-421-11	CARBON 2.2K 5% 1/4W
R652	1-249-438-11	CARBON 56K 5% 1/4W	R652	1-249-438-11	CARBON 56K 5% 1/4W
R654	1-247-717-11	CARBON 2.2K 5% 1/4W	R654	1-247-717-11	CARBON 2.2K 5% 1/4W
R655	1-247-756-11	CARBON 2.2K 5% 1/2W	R655	1-247-756-11	CARBON 2.2K 5% 1/2W
R656	1-249-417-11	CARBON 1K 5% 1/4W	R656	1-249-417-11	CARBON 1K 5% 1/4W
R657	1-217-152-00	METAL PLATE 0.33 2W	R657	1-217-152-00	METAL PLATE 0.33 2W
R658	1-249-438-11	CARBON 56K 5% 1/4W	R658	1-249-438-11	CARBON 56K 5% 1/4W
R659	1-247-828-11	CARBON 750 5% 1/4W	R659	1-247-828-11	CARBON 750 5% 1/4W
R660	1-249-427-11	CARBON 6.8K 5% 1/4W	R660	1-249-427-11	CARBON 6.8K 5% 1/4W
R661	1-249-435-11	CARBON 33K 5% 1/4W	R661	1-249-435-11	CARBON 33K 5% 1/4W
R664	1-249-437-11	CARBON 47K 5% 1/4W	R664	1-249-437-1	

Problem	Solution
FM STEREO indicator flickers or does not light up when FM stereo programs are received.	<ul style="list-style-type: none"> Check the FM antenna connection, and adjust the antenna. Press FM MODE to disengage the stereo mode.
The figures in the display window do not stop at the desired station during sweep tuning.	<ul style="list-style-type: none"> Check the antenna connection, and adjust the antenna direction. Tune in the station using the direct access tuning.
Stations cannot be tuned in correctly when the numeric button is pressed.	<ul style="list-style-type: none"> Memorize the frequency correctly.
Audio is not heard.	<ul style="list-style-type: none"> Check the speaker and program source connections. Check that the appropriate FUNCTION selector or TAPE 2 MONITOR button is depressed. Check that the appropriate SPEAKERS selector is depressed. If the A and B selectors are both depressed, check that both speaker systems are properly connected.
One channel does not transmit audio, or the volume from the left and right speakers is unbalanced.	<ul style="list-style-type: none"> Adjust the BALANCE control. Check the speaker connections.
There is an abrupt loss of sound from one or both of the speakers.	<ul style="list-style-type: none"> Turn off the receiver, and check the speaker terminals or speaker cord for a short. (This symptom may be caused when the protection circuit inside the unit activates.)
Sound transmitted from the speaker is reversed.	<ul style="list-style-type: none"> Connect the speaker correctly.
Severe hum or noise is heard.	<ul style="list-style-type: none"> Use shielded connecting cords. Keep the audio components further away from the TV. Connect the ground wire to the ANTENNA ground terminal. Clean any dirty plugs and jacks with a cloth lightly moistened with alcohol.

Note: The component identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Sony Corporation
Audio Group

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