

TA-F101R

SERVICE MANUAL

AEP Model



SPECIFICATIONS

Amplifier

Continuous RMS power output (both channels driven simultaneously)

		Speaker impedance
DIN, 1 kHz	40 W + 40 W	8 ohms
40 Hz-20 kHz, THD 0.05%	30 W + 30 W	

Input

Input jack	Jack type	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO (MM)	Phono	2.0 mV	50kilohms	70 dB (A, 2mV)
TUNER, CD TAPE 1, TAPE 2/DAT	Phono	150 mV	50kilohms	100 dB (150 mV)

Output

Output jack	Jack type	Voltage/Impedance
REC OUT	Phono	Voltage 150 mV Impedance 1kilohms
SPEAKERS	—	Accepts speakers of 8-16 ohms
HEADPHONES	Stereo phone	Accepts low and high impedance headphones

Tone controls

	Response	Turnover frequency
BASS	±10dB (100Hz)	500 Hz
TREBLE	±10dB (15kHz)	3 kHz

Harmonic distortion Less than 0.05% at rated output
 Intermodulation (IM) distortion (60Hz:7kHz = 4:1)
 Less than 0.05% at rated output

Frequency response

PHONO:RIAA equalization curve
 ±0.5dB
 TUNER, CD, TAPE1, TAPE2/DAT:
 7Hz-100kHz ±3dB
 Less than 170μV (network A)

Residual noise

General

Power requirements
 Power consumption
 Dimensions

220V AC, 50Hz
 100W
 Approx. 430 × 110 × 295 mm
 (W/H/D)
 (17 × 4 3/8 × 11 5/8 inches)
 Approx. 4.7 kg (10lb 6oz)
 Remote commander RM-S101 (1)
 Sony SUM-3 (NS) batteries (2)

Weight

Accessories

Design and specifications subject to change without notice.

Note

This appliance conforms with EEC Directives 87/308/EEC regarding interference suppression.

INTEGRATED STEREO AMPLIFIER
SONY®

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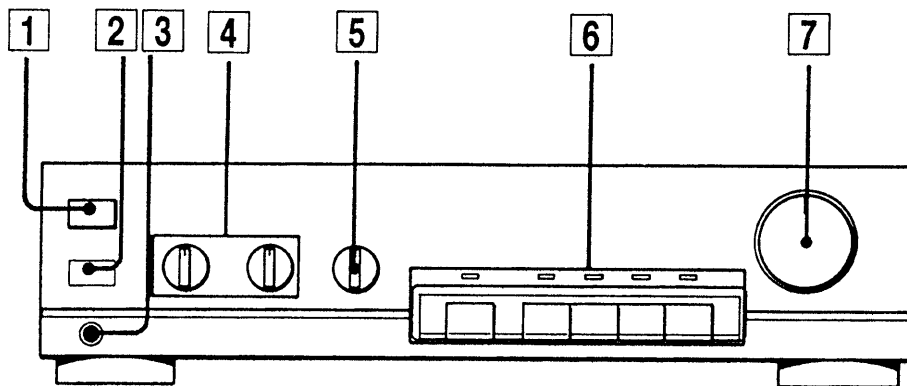
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SAFETY-RELATED COMPONENT WARNING!!

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.

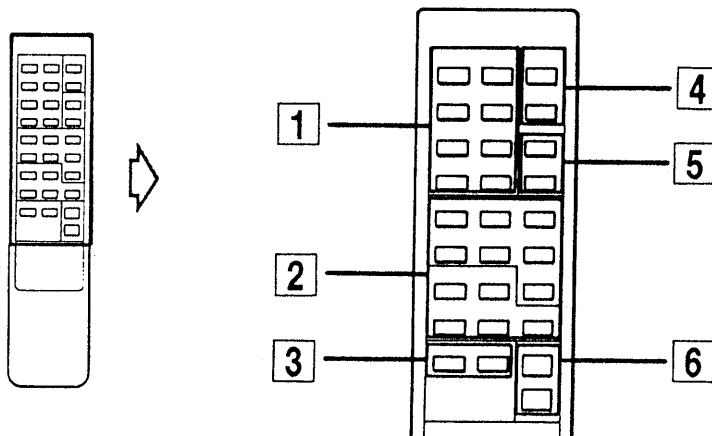
SECTION 1 GENERAL

1-1. PARTS IDENTIFICATION



Front Panel

- | | |
|-------------------------|---|
| 1 POWER switch | 5 BALANCE control |
| 2 Remote control sensor | 6 MONITOR and FUNCTION buttons and indicators |
| 3 HEADPHONES jack | 7 VOLUME control |
| 4 TONE controls | |



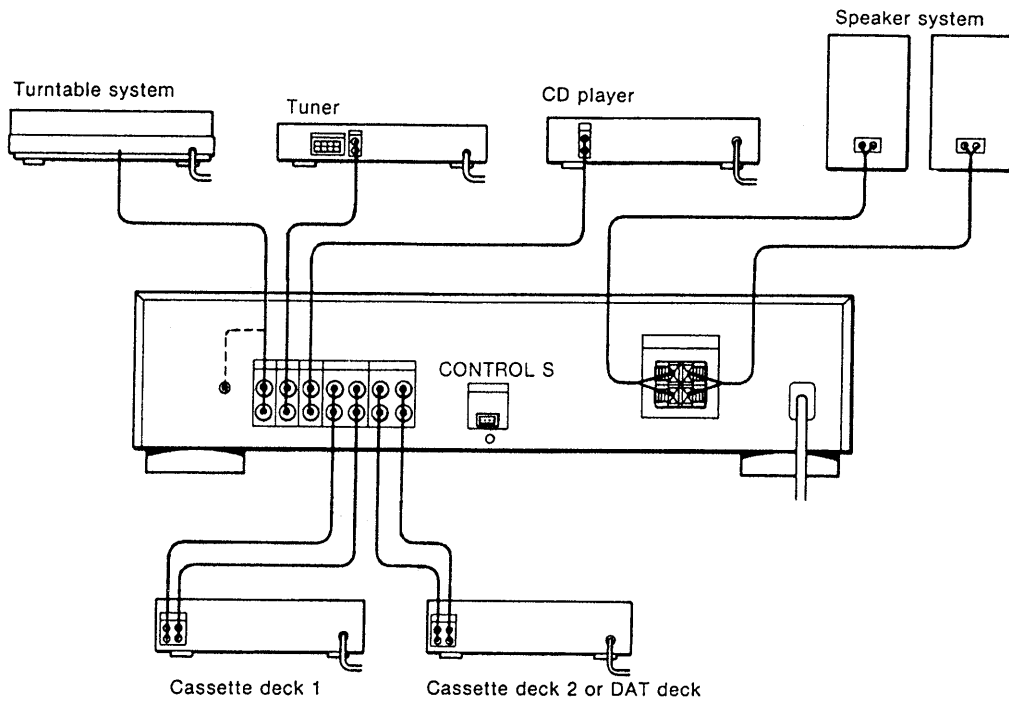
Remote Commander

- | | |
|---|---|
| <p>1 CD player operation buttons
 SHUFFLE: shuffle play
 PGM: program play
 [◀▶] : locating selections
 ▶ : play
 ▶ selects CD on the amplifier.
 ■ : stop
 D. SKIP: selecting disc with a CD player
 equipped with a multi-disc changer
 CONTINUE: normal play</p> | <p>3 TUNER/PHONO function buttons
 4 PHONO (turntable) START/STOP buttons
 5 TUNER PRESET +/– buttons
 6 VOL (volume) +/– buttons</p> |
| <p>2 DECK B/DECK A operation buttons
 ◀▶ : fast winding
 ◀ : reverse play
 ▶ : forward play
 ◀ or ▶ selects TAPE 1 function on the
 amplifier.
 II : pause
 ■ : stop
 ● : recording</p> | |

1-2. CONNECTIONS

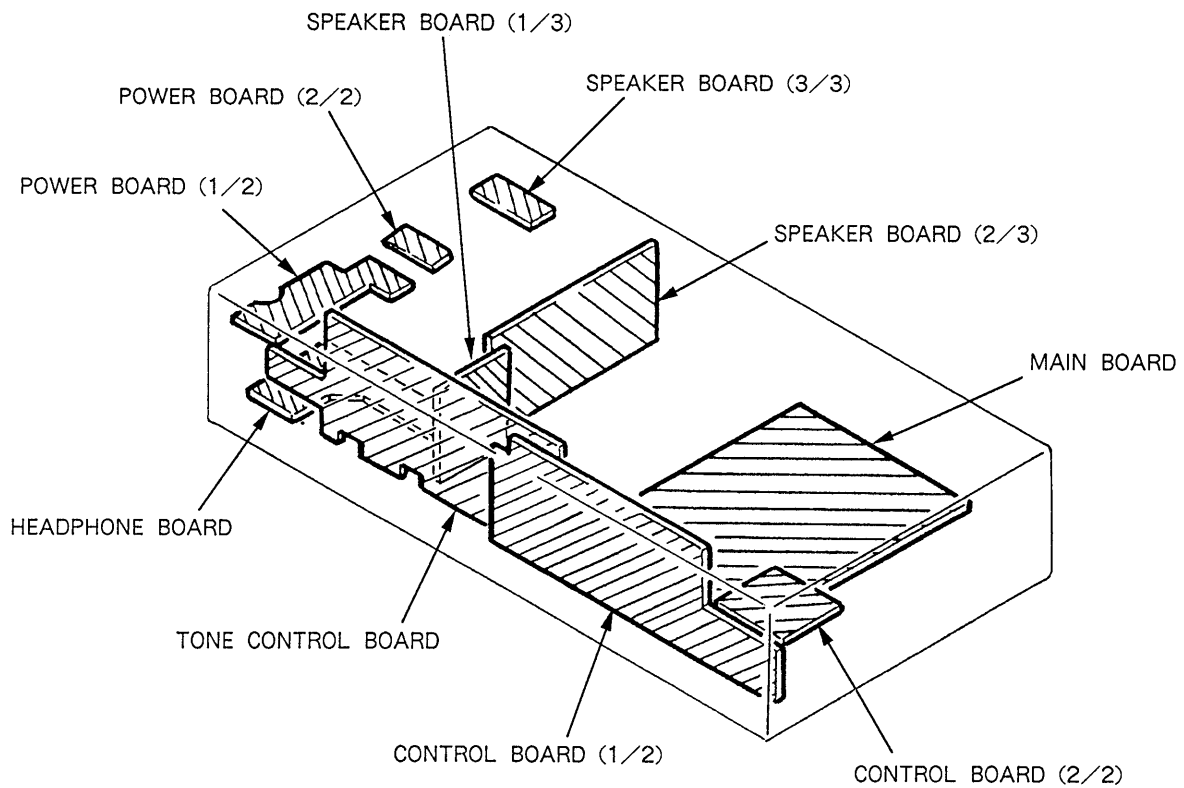
Notes on Connection

- Connect the AC power cord last. Make sure power is off.
- Cord plugs and jacks are color coded. Red plugs and jacks are for right channel (R) and white ones for left channel (L).
- Fully insert cable connectors into jacks. Loose connections may cause hum or noise.



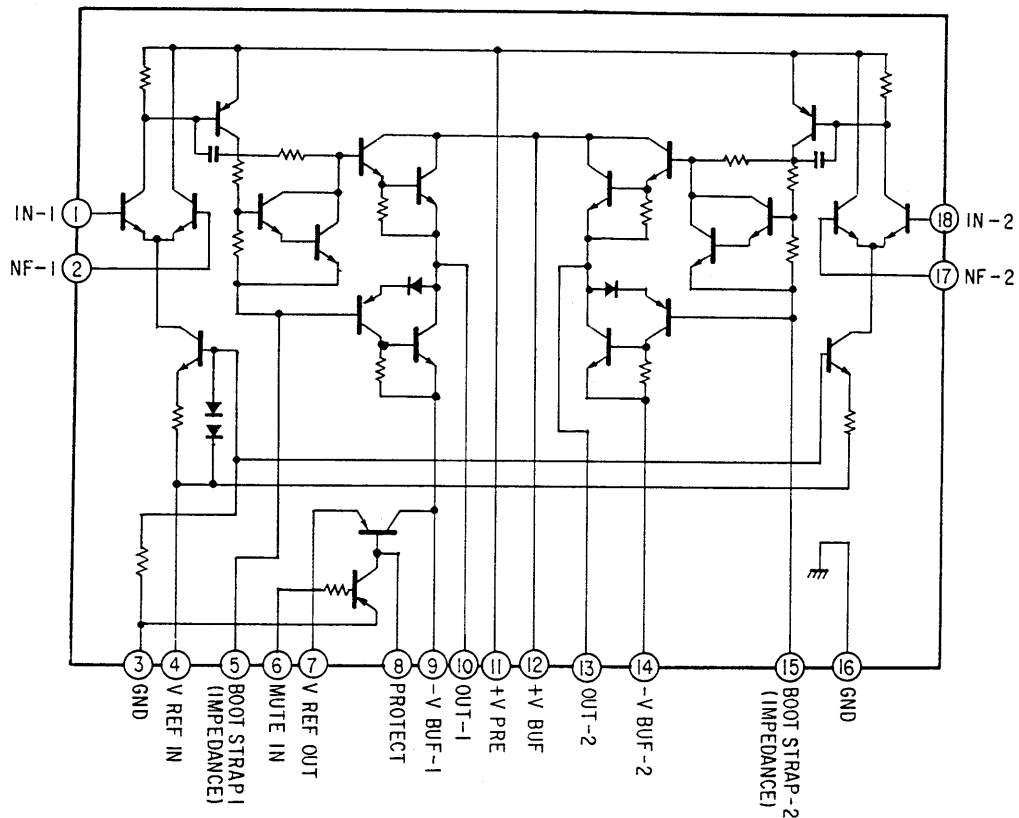
SECTION 2 DIAGRAMS

2-1. CIRCUIT BOARDS LOCATION



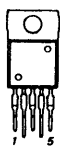
• IC BLOCK DIAGRAM

IC501 STK4162MK II

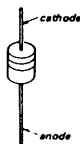


2-2. SEMICONDUCTOR LEAD LAYOUTS

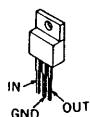
L78MR05



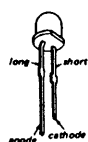
HZS6AIL
1SS120
11ES2



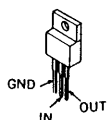
MC7808CT



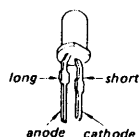
SEL2510C



MC7908CT



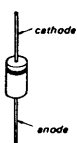
SEL 2810A-C



2SC2603-EF
DTA124ES
DTC124ES
DTC144ES



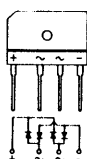
1S1585



2SC1841-PAFAEA
2SC3623A-LK



RBA-402



2SA1175-HFE

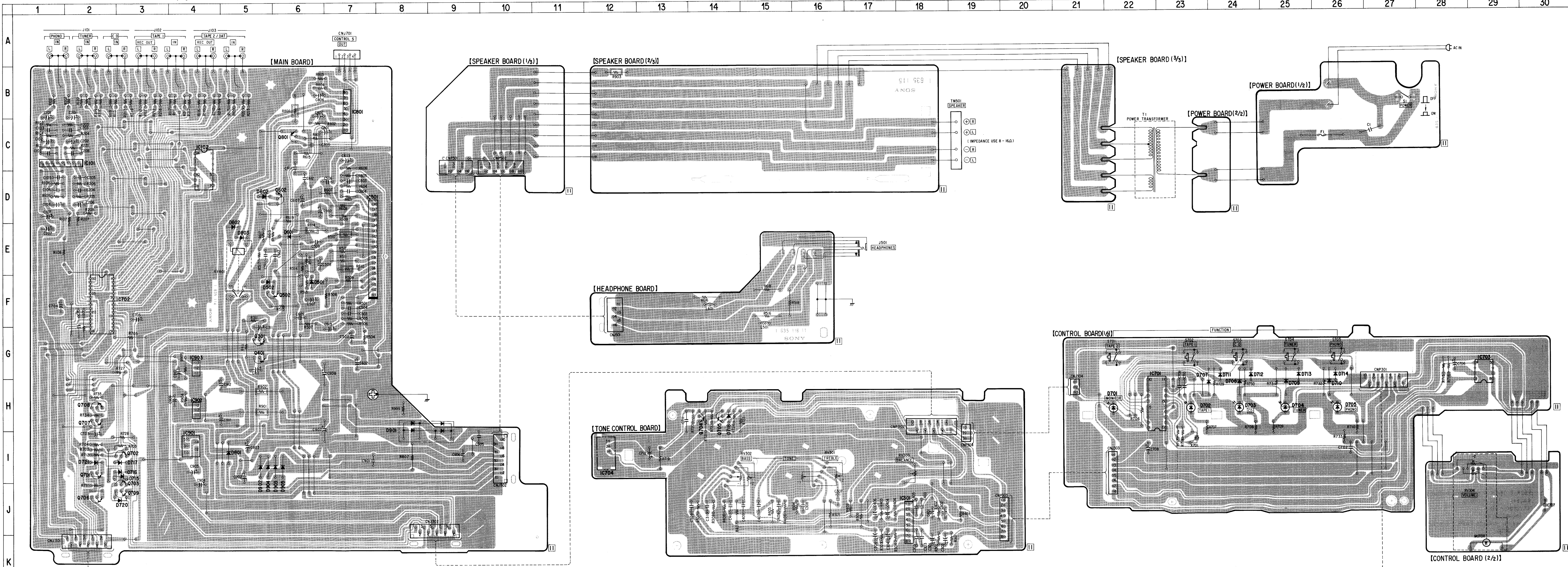


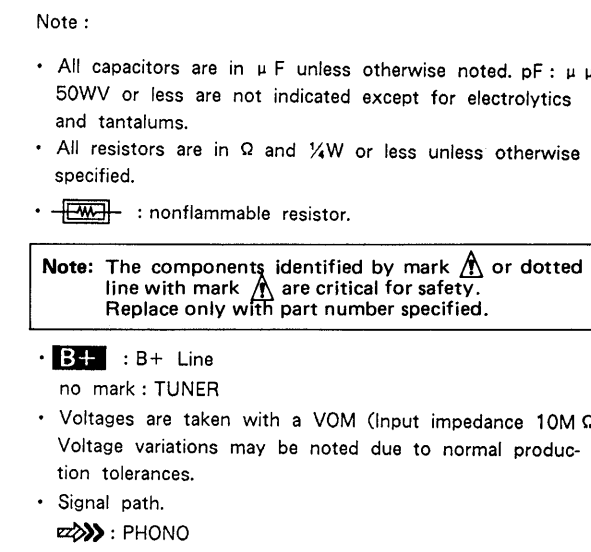
• SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
IC101	C-2	D702	H-23
IC102	C-4	D703	H-24
IC301	J-18	D704	H-25
IC501	D-7	D705	H-26
IC701	H-22	D707	H-23
IC702	F-2	D708	H-24
IC703	G-28	D709	H-25
IC704	I-12	D710	H-26
IC801	B-7	D711	G-23
IC901	I-4	D712	G-24
IC902	H-4	D713	G-25
IC903	G-4	D714	G-26
		D715	I-3
		D716	I-3
		D717	I-3
Q301	G-5		
Q401	G-5		
Q502	F-5	D718	H-14
Q602	D-6	D720	J-2
Q701	I-2	D721	I-2
		D801	I-5
		D802	E-5
Q702	I-3		
Q703	I-3		
Q704	H-14	D803	E-5
Q705	H-14	D901	H-8
Q706	J-2	D902	I-5
		D903	I-5
Q707	H-2	D904	I-5
Q708	H-2	D905	I-6
Q709	J-3		
Q801	C-6		
D501	F-6		
D502	F-5		
D601	E-6		
D602	D-5		
D701	H-21		

Note on Printed Wiring Board :

- ○ — : parts extracted from the component side.
- ■■■■■ : Pattern on the side which is seen.





SECTION 3

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.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.

- Color Indication of Appearance Parts
Example:

(RED) ... KNOB, BALANCE (WHITE)



Cabinet's Color

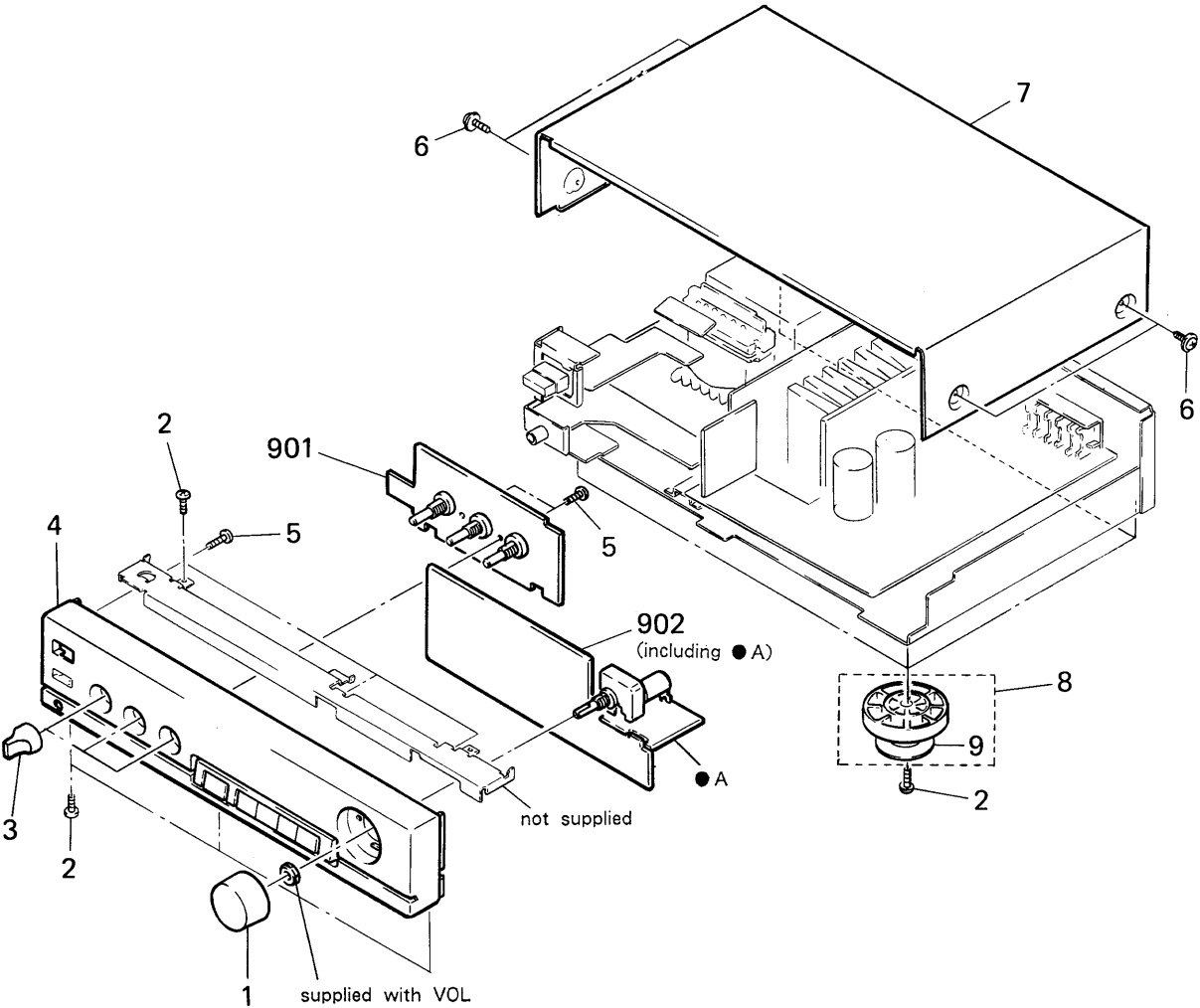


Parts Color

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

(1)

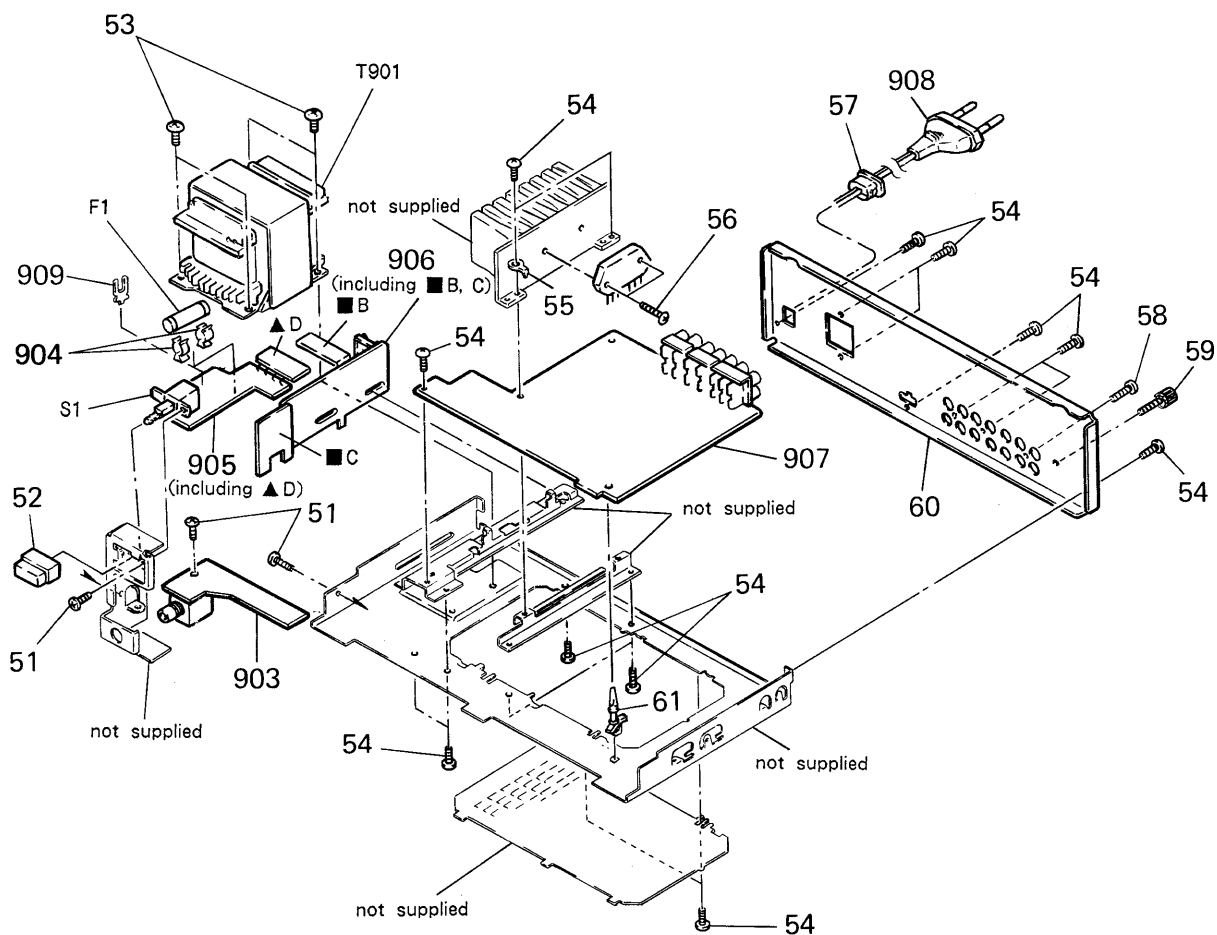
- A : CONTROL board (2/2)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	4-929-288-22	KNOB (VOL 47)		7	*4-937-817-11	CASE	
2	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S		8	X-3304-938-2	FOOT ASSY	
3	4-916-745-01	KNOB (DIA.21)		9	4-923-836-11	CUSHION	
4	X-4885-971-1	PANEL ASSY, FRONT		901	*A-4334-669-A	MOUNTED PCB, TONE CONTROL	
5	4-928-635-01	SCREW, +BV (2.6X8) TAPPING		902	*1-635-118-11	PC BOARD, CONTROL	
6	3-704-366-01	SCREW (CASE) (M3X8)					

(2)

- B: SPEAKER board (3/3)
■ C: SPEAKER board (1/3)
▲ D: POWER board (2/2)



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

No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	7-682-547-04	SCREW +BVT 3X6 (S)		903	*1-635-116-11	PC BOARD, HEADPHONE	
52	3-354-912-01	KNOB, POWER		904	1-533-225-11	HOLDER, FUSE	
53	7-682-560-04	SCREW +BVT 4X6 (S)		905	*1-635-117-11	PC BOARD, POWER	
54	7-685-646-79	SCREW +BVT 3X8 TYPE2 N-S		906	*1-635-115-11	PC BOARD, SPEAKER	
55	4-870-539-00	PLATE, GROUND		907	*A-4334-670-A	MOUNTED PCB, MAIN	
56	4-928-635-11	SCREW, +BV (2.6X16) TAPPING		908	▲1-555-750-00	CORD, POWER	
57	*3-703-244-00	BUSHING (2104), CORD		909	*1-535-771-11	TERMINAL	
58	7-621-849-00	SCREW, TAPPING		F1	▲1-532-078-00	FUSE, TIME-LAG (1A)	
59	3-706-165-00	SCREW		T901	▲1-450-130-11	TRANSFORMER, POWER	
60	*4-937-822-11	PANEL, BACK		S1	▲1-554-920-11	SWITCH, PUSH (AC POWER)(1 KEY)	
61	*3-346-265-11	HOLDER, PC BOARD					

SECTION 4

ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

MF: μ F, PF: μ MF.

RESISTORS

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORS

In each case, U: μ , for example:

UA....: μ A...., UPA....: μ PA....,

UPC....: μ PC, UPD....: μ PD....

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				
901	*A-4334-669-A	MOUNTED PCB, TONE CONTROL					C409	1-130-481-00	MYLAR	0.0068MF	5%	50V	
902	*1-635-118-11	PC BOARD, CONTROL					C410	1-136-163-00	FILM	0.068MF	5%	50V	
903	*1-635-116-11	PC BOARD, HEADPHONE					C411	1-124-902-00	ELECT	0.47MF	20%	50V	
904	1-533-225-11	HOLDER, FUSE					C502	1-124-927-11	ELECT	4.7MF	20%	50V	
905	*1-635-117-11	PC BOARD, POWER					C503	1-162-282-31	CERAMIC	100PF	10%	50V	
906	*1-635-115-11	PC BOARD, SPEAKER					C504	1-162-290-31	CERAMIC	470PF	10%	50V	
907	*A-4334-670-A	MOUNTED PCB, MAIN					C506	1-136-163-00	FILM	0.068MF	5%	50V	
908	1-555-750-00	CORD, POWER					C507	1-124-910-11	ELECT	47MF	20%	50V	
909	*1-535-771-11	TERMINAL					C508	1-123-875-11	ELECT	10MF	20%	50V	
C1	1-161-744-00	CERAMIC	0.01MF		400V		C509	1-136-165-00	FILM	0.1MF	5%	50V	
C101	1-124-927-11	ELECT	4.7MF	20%	50V		C510	1-124-122-11	ELECT	100MF	20%	50V	
C102	1-124-477-11	ELECT	47MF	20%	16V		C511	1-136-163-00	FILM	0.068MF	5%	50V	
C103	1-162-286-31	CERAMIC	220PF	10%	50V		C512	1-136-163-00	FILM	0.068MF	5%	50V	
C104	1-130-480-00	MYLAR	0.0056MF	5%	50V		C513	1-124-477-11	ELECT	47MF	20%	16V	
C105	1-130-473-00	MYLAR	0.0015MF	5%	50V		C602	1-124-927-11	ELECT	4.7MF	20%	50V	
C106	1-124-927-11	ELECT	4.7MF	20%	50V		C603	1-162-282-31	CERAMIC	100PF	10%	50V	
C107	1-124-477-11	ELECT	47MF	20%	16V		C604	1-162-290-31	CERAMIC	470PF	10%	50V	
C108	1-162-282-31	CERAMIC	100PF	10%	50V		C607	1-124-910-11	ELECT	47MF	20%	50V	
C201	1-124-927-11	ELECT	4.7MF	20%	50V		C609	1-136-165-00	FILM	0.1MF	5%	50V	
C202	1-124-477-11	ELECT	47MF	20%	16V		C611	1-136-163-00	FILM	0.068MF	5%	50V	
C203	1-162-286-31	CERAMIC	220PF	10%	50V		C612	1-136-163-00	FILM	0.068MF	5%	50V	
C204	1-130-480-00	MYLAR	0.0056MF	5%	50V		C613	1-124-477-11	ELECT	47MF	20%	16V	
C205	1-130-473-00	MYLAR	0.0015MF	5%	50V		C701	1-161-494-00	CERAMIC	0.022MF		25V	
C206	1-124-927-11	ELECT	4.7MF	20%	50V		C702	1-136-165-00	FILM	0.1MF	5%	50V	
C207	1-124-477-11	ELECT	47MF	20%	16V		C703	1-124-925-11	ELECT	2.2MF	20%	50V	
C208	1-162-282-31	CERAMIC	100PF	10%	50V		C704	1-124-477-11	ELECT	47MF	20%	16V	
C301	1-124-477-11	ELECT	47MF	20%	16V		C705	1-124-477-11	ELECT	47MF	20%	16V	
C302	1-124-927-11	ELECT	4.7MF	20%	50V		C706	1-124-261-00	ELECT	10MF	20%	50V	
C303	1-162-211-31	CERAMIC	33PF	5%	50V		C707	1-136-165-00	FILM	0.1MF	5%	50V	
C304	1-124-477-11	ELECT	47MF	20%	16V		C708	1-124-261-00	ELECT	10MF	20%	50V	
C305	1-162-211-31	CERAMIC	33PF	5%	50V		C709	1-162-284-31	CERAMIC	150PF	10%	50V	
C306	1-124-927-11	ELECT	4.7MF	20%	50V		C710	1-162-284-31	CERAMIC	150PF	10%	50V	
C307	1-130-476-00	MYLAR	0.0027MF	5%	50V		C711	1-162-294-31	CERAMIC	0.001MF	10%	50V	
C308	1-136-158-00	FILM	0.027MF	5%	50V		C712	1-123-875-11	ELECT	10MF	20%	50V	
C309	1-130-481-00	MYLAR	0.0068MF	5%	50V		C801	1-124-477-11	ELECT	47MF	20%	16V	
C310	1-136-163-00	FILM	0.068MF	5%	50V		C802	1-126-176-11	ELECT	220MF	20%	6.3V	
C311	1-124-902-00	ELECT	0.47MF	20%	50V		C804	1-124-443-00	ELECT	100MF	20%	6.3V	
C401	1-124-477-11	ELECT	47MF	20%	16V		C805	1-162-286-31	CERAMIC	220PF	10%	50V	
C402	1-124-927-11	ELECT	4.7MF	20%	50V		C807	1-124-927-11	ELECT	4.7MF	20%	50V	
C403	1-162-211-31	CERAMIC	33PF	5%	50V		C901	1-136-153-00	FILM	0.01MF	5%	50V	
C404	1-124-477-11	ELECT	47MF	20%	16V		C902	1-124-480-11	ELECT	470MF	20%	25V	
C405	1-162-211-31	CERAMIC	33PF	5%	50V		C903	1-124-791-11	ELECT	1MF	20%	50V	
C406	1-124-927-11	ELECT	4.7MF	20%	50V		C904	1-124-477-11	ELECT	47MF	20%	16V	
C407	1-130-476-00	MYLAR	0.0027MF	5%	50V		C905	1-136-153-00	FILM	0.01MF	5%	50V	
C408	1-136-158-00	FILM	0.027MF	5%	50V		C906	1-136-153-00	FILM	0.01MF	5%	50V	

REVISED

Ref.No.	Part No.	Description
C907	1-126-138-11	ELECT 4700MF 20% 50V
C908	1-126-138-11	ELECT 4700MF 20% 50V
C909	1-124-477-11	ELECT 47MF 20% 16V
C910	1-124-477-11	ELECT 47MF 20% 16V
C911	1-124-484-11	ELECT 220MF 20% 35V
C912	1-124-484-11	ELECT 220MF 20% 35V
CNJ301	1-568-321-11	SOCKET, CONNECTOR 10P
CNJ302	1-568-321-11	SOCKET, CONNECTOR 10P
CNJ303*	1-562-573-11	SOCKET, CONNECTOR 8P
CNJ304*	1-565-835-11	SOCKET, CONNECTOR 3P
CNJ501	1-568-317-11	SOCKET, CONNECTOR 6P
CNJ502	1-568-321-11	SOCKET, CONNECTOR 10P
CNJ701	1-566-213-11	PIN, CONNECTOR 4P (CONTROL S)
CNP301*	1-568-322-11	PLUG, CONNECTOR 10P
CNP302*	1-568-322-11	PLUG, CONNECTOR 10P
CNP303*	1-564-599-11	PIN, CONNECTOR 8P
CNP304*	1-560-666-00	PIN, CONNECTOR 3P
CNP501	1-569-402-11	PLUG, CONNECTOR 6P
CNP502*	1-568-322-11	PLUG, CONNECTOR 10P
D501	8-719-815-85	DIODE 1S1585
D502	8-719-815-85	DIODE 1S1585
D601	8-719-815-85	DIODE 1S1585
D602	8-719-815-85	DIODE 1S1585
D701	8-719-301-52	LED SEL2810A-C (MONITOR)
D702	8-719-303-00	LED SEL2510C (TAPE 1)
D703	8-719-303-00	LED SEL2510C (CD)
D704	8-719-303-00	LED SEL2510C (TUNER)
D705	8-719-303-00	LED SEL2510C (PHONO)
D707	8-719-912-20	DIODE 1SS120
D708	8-719-912-20	DIODE 1SS120
D709	8-719-912-20	DIODE 1SS120
D710	8-719-912-20	DIODE 1SS120
D711	8-719-912-20	DIODE 1SS120
D712	8-719-912-20	DIODE 1SS120
D713	8-719-912-20	DIODE 1SS120
D714	8-719-912-20	DIODE 1SS120
D715	8-719-933-33	DIODE HZS6A1L
D716	8-719-912-20	DIODE 1SS120
D717	8-719-912-20	DIODE 1SS120
D718	8-719-912-20	DIODE 1SS120
D720	8-719-912-20	DIODE 1SS120
D721	8-719-912-20	DIODE 1SS120
D801	8-719-200-82	DIODE 11ES2
D802	8-719-912-20	DIODE 1SS120
D803	8-719-912-20	DIODE 1SS120
D901	8-719-312-09	DIODE RBA-402

Ref.No.	Part No.	Description
D902	8-719-200-82	DIODE 11ES2
D903	8-719-200-82	DIODE 11ES2
D904	8-719-200-82	DIODE 11ES2
D905	8-719-200-82	DIODE 11ES2
F1	△ 1-532-078-00	FUSE, TIME-LAG (1A)
IC101	8-759-636-73	IC M5218AL-22
IC102	8-759-000-49	IC MC14066BCP
IC301	8-759-636-73	IC M5218AL-22
IC501	8-749-900-24	IC STK4162MK2
IC701	8-759-632-61	IC M50761-258P
IC702	8-759-802-52	IC LC7818
IC703	8-759-820-62	IC LB1639
IC704	8-749-920-83	IC GP1U52XB
IC801	8-759-111-68	IC UPC1237HA
IC901	8-759-820-84	IC L78MR05
IC902	8-759-013-08	IC MC7808CT
IC903	8-759-012-70	IC MC7908CT
J101	1-565-320-11	JACK, PIN 6P (CD/TUNER/PHONO)
J102	1-565-258-11	JACK, PIN 4P (TAPE 1)
J103	1-565-258-11	JACK, PIN 4P (TAPE 2/DAT)
J501	1-507-856-11	JACK, LARGE TYPE (HEADPHONES)
L501	*1-420-872-00	COIL, AIR CORE
L601	*1-420-872-00	COIL, AIR CORE
Q301	8-729-141-30	TRANSISTOR 2SC3623A-LK
Q401	8-729-141-30	TRANSISTOR 2SC3623A-LK
Q502	8-729-140-84	TRANSISTOR 2SA1841-PAFAEA
Q602	8-729-140-84	TRANSISTOR 2SA1841-PAFAEA
Q701	8-729-900-63	TRANSISTOR DTA124ES
Q702	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q703	8-729-900-63	TRANSISTOR DTA124ES
Q704	8-729-620-05	TRANSISTOR 2SC2603-EF
Q705	8-729-620-05	TRANSISTOR 2SC2603-EF
Q706	8-729-900-89	TRANSISTOR DTC144ES
Q707	8-729-900-63	TRANSISTOR DTA124ES
Q708	8-729-900-36	TRANSISTOR DTC124ES
Q709	8-729-900-63	TRANSISTOR DTA124ES
Q801	8-729-900-63	TRANSISTOR DTA124ES
R102	1-249-414-11	CARBON 560 5% 1/4W
R103	1-249-438-11	CARBON 56K 5% 1/4W
R104	1-249-416-11	CARBON 820 5% 1/4W
R105	1-247-897-11	CARBON 560K 5% 1/4W
R106	1-249-437-11	CARBON 47K 5% 1/4W
R107	1-249-441-11	CARBON 100K 5% 1/4W

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			
R108	1-249-409-11	CARBON	220	5%	1/4W
R109	1-249-417-11	CARBON	1K	5%	1/4W
R110	1-249-417-11	CARBON	1K	5%	1/4W
R111	1-249-417-11	CARBON	1K	5%	1/4W
R112	1-249-417-11	CARBON	1K	5%	1/4W
R113	1-249-417-11	CARBON	1K	5%	1/4W
R114	1-249-417-11	CARBON	1K	5%	1/4W
R115	1-247-897-11	CARBON	560K	5%	1/4W
R116	1-247-897-11	CARBON	560K	5%	1/4W
R117	1-247-897-11	CARBON	560K	5%	1/4W
R118	1-247-897-11	CARBON	560K	5%	1/4W
R119	1-247-897-11	CARBON	560K	5%	1/4W
R120	1-247-897-11	CARBON	560K	5%	1/4W
R121	1-249-405-11	CARBON	100	5%	1/4W
R202	1-249-414-11	CARBON	560	5%	1/4W
R203	1-249-438-11	CARBON	56K	5%	1/4W
R204	1-249-416-11	CARBON	820	5%	1/4W
R205	1-247-897-11	CARBON	560K	5%	1/4W
R206	1-249-437-11	CARBON	47K	5%	1/4W
R207	1-249-441-11	CARBON	100K	5%	1/4W
R208	1-249-409-11	CARBON	220	5%	1/4W
R209	1-249-417-11	CARBON	1K	5%	1/4W
R210	1-249-417-11	CARBON	1K	5%	1/4W
R211	1-249-417-11	CARBON	1K	5%	1/4W
R212	1-249-417-11	CARBON	1K	5%	1/4W
R213	1-249-417-11	CARBON	1K	5%	1/4W
R214	1-249-417-11	CARBON	1K	5%	1/4W
R215	1-247-897-11	CARBON	560K	5%	1/4W
R216	1-247-897-11	CARBON	560K	5%	1/4W
R217	1-247-897-11	CARBON	560K	5%	1/4W
R218	1-247-897-11	CARBON	560K	5%	1/4W
R219	1-247-897-11	CARBON	560K	5%	1/4W
R220	1-247-897-11	CARBON	560K	5%	1/4W
R221	1-249-405-11	CARBON	100	5%	1/4W
R301	1-249-417-11	CARBON	1K	5%	1/4W
R302	1-247-887-00	CARBON	220K	5%	1/4W
R303	1-249-430-11	CARBON	12K	5%	1/4W
R304	1-247-887-00	CARBON	220K	5%	1/4W
R305	1-249-426-11	CARBON	5.6K	5%	1/4W
R306	1-249-414-11	CARBON	560	5%	1/4W
R307	1-249-434-11	CARBON	27K	5%	1/4W
R308	1-249-422-11	CARBON	2.7K	5%	1/4W
R309	1-249-425-11	CARBON	4.7K	5%	1/4W
R311	1-249-427-11	CARBON	6.8K	5%	1/4W
R401	1-249-417-11	CARBON	1K	5%	1/4W

Ref.No.	Part No.	Description			
R402	1-247-887-00	CARBON	220K	5%	1/4W
R403	1-249-430-11	CARBON	12K	5%	1/4W
R404	1-247-887-00	CARBON	220K	5%	1/4W
R405	1-249-426-11	CARBON	5.6K	5%	1/4W
R406	1-249-414-11	CARBON	560	5%	1/4W
R407	1-249-434-11	CARBON	27K	5%	1/4W
R408	1-249-422-11	CARBON	2.7K	5%	1/4W
R409	1-249-425-11	CARBON	4.7K	5%	1/4W
R411	1-249-427-11	CARBON	6.8K	5%	1/4W
R501	1-249-411-11	CARBON	330	5%	1/4W
R504	1-249-417-11	CARBON	1K	5%	1/4W
R505	1-249-438-11	CARBON	56K	5%	1/4W
R506	1-249-425-11	CARBON	4.7K	5%	1/4W
R507	1-249-438-11	CARBON	56K	5%	1/4W
R508	1-247-756-11	CARBON	2.2K	5%	1/2W
R509	1-247-756-11	CARBON	2.2K	5%	1/2W
R510	△ 1-247-700-11	CARBON	100	5%	1/4W F
R511	1-247-752-11	CARBON	1K	5%	1/2W
R512	1-247-752-11	CARBON	1K	5%	1/2W
R513	1-249-435-11	CARBON	33K	5%	1/4W
R514	△ 1-216-361-00	METAL OXIDE	0.22	5%	2W F
R515	1-247-727-11	CARBON	10	5%	1/2W
R516	1-247-727-11	CARBON	10	5%	1/2W
R517	1-249-437-11	CARBON	47K	5%	1/4W
R518	1-247-747-11	CARBON	470	5%	1/2W
R519	1-249-416-11	CARBON	820	5%	1/4W
R601	1-249-411-11	CARBON	330	5%	1/4W
R604	1-249-417-11	CARBON	1K	5%	1/4W
R605	1-249-438-11	CARBON	56K	5%	1/4W
R606	1-249-425-11	CARBON	4.7K	5%	1/4W
R607	1-249-438-11	CARBON	56K	5%	1/4W
R608	1-247-756-11	CARBON	2.2K	5%	1/2W
R609	1-247-756-11	CARBON	2.2K	5%	1/2W
R610	△ 1-247-700-11	CARBON	100	5%	1/4W F
R613	1-249-435-11	CARBON	33K	5%	1/4W
R614	△ 1-216-361-00	METAL OXIDE	0.22	5%	2W F
R615	1-247-727-11	CARBON	10	5%	1/2W
R616	1-247-727-11	CARBON	10	5%	1/2W
R617	1-249-438-11	CARBON	56K	5%	1/4W
R618	1-247-747-11	CARBON	470	5%	1/2W
R619	1-249-416-11	CARBON	820	5%	1/4W
R701	1-247-901-11	CARBON	820K	5%	1/4W
R702	1-249-433-11	CARBON	22K	5%	1/4W
R703	1-249-433-11	CARBON	22K	5%	1/4W
R704	1-249-433-11	CARBON	22K	5%	1/4W

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Ref.No.	Part No.	Description			
R705	1-249-433-11	CARBON	22K	5%	1/4W
R706	1-249-416-11	CARBON	820	5%	1/4W
R707	1-249-411-11	CARBON	330	5%	1/4W
R708	1-249-411-11	CARBON	330	5%	1/4W
R709	1-249-411-11	CARBON	330	5%	1/4W
R710	1-249-411-11	CARBON	330	5%	1/4W
R711	1-249-433-11	CARBON	22K	5%	1/4W
R712	1-249-433-11	CARBON	22K	5%	1/4W
R715	1-249-421-11	CARBON	2.2K	5%	1/4W
R716	1-249-421-11	CARBON	2.2K	5%	1/4W
R717	1-247-903-00	CARBON	1M	5%	1/4W
R718	1-249-423-11	CARBON	3.3K	5%	1/4W
R719	1-249-429-11	CARBON	10K	5%	1/4W
R720	1-249-429-11	CARBON	10K	5%	1/4W
R721	1-249-417-11	CARBON	1K	5%	1/4W
R722	1-249-429-11	CARBON	10K	5%	1/4W
R723	1-249-417-11	CARBON	1K	5%	1/4W
R724	1-249-393-11	CARBON	10	5%	1/4W
R727	1-249-441-11	CARBON	100K	5%	1/4W
R728	1-249-435-11	CARBON	33K	5%	1/4W
R729	1-249-433-11	CARBON	22K	5%	1/4W
R730	1-249-433-11	CARBON	22K	5%	1/4W
R731	1-249-433-11	CARBON	22K	5%	1/4W
R732	1-249-433-11	CARBON	22K	5%	1/4W
R733	1-249-433-11	CARBON	22K	5%	1/4W
R734	1-249-433-11	CARBON	22K	5%	1/4W
R735	1-249-433-11	CARBON	22K	5%	1/4W
R801	1-249-429-11	CARBON	10K	5%	1/4W
R802	1-249-441-11	CARBON	100K	5%	1/4W
R804	1-249-439-11	CARBON	68K	5%	1/4W
R805	1-249-430-11	CARBON	12K	5%	1/4W
R806	△ 1-216-432-00	METAL OXIDE	820	5%	1W F
R807	1-249-432-11	CARBON	18K	5%	1/4W
R901	△ 1-215-915-11	METAL OXIDE	470	5%	3W F
R902	△ 1-216-481-11	METAL OXIDE	1.2K	5%	3W F
R903	△ 1-249-451-11	CARBON	2.2	5%	1/4W F
R904	1-249-389-11	CARBON	4.7	5%	1/4W
R905	1-249-389-11	CARBON	4.7	5%	1/4W
R999	1-249-427-11	CARBON	6.8K	5%	1/4W
RV301	1-241-104-11	RES, VAR, CARBON 100K/100K (TONE/TREBLE)			
RV302	1-241-104-11	RES, VAR, CARBON 100K/100K (TONE/BASS)			
RV303	1-241-105-11	RES, VAR, CARBON 100K (BALANCE)			
RV304	1-241-132-11	RES, VAR, CARBON 100K/100K (VOLUME)			
RY801	1-515-533-11	RELAY			

Ref.No.	Part No.	Description
S1	△ 1-554-920-11	SWITCH, PUSH (AC POWER) (1 KEY)
SW701	1-554-303-21	SWITCH, KEY BOARD (TAPE 2/DAT)
SW702	1-554-303-21	SWITCH, KEY BOARD (TAPE 1)
SW703	1-554-303-21	SWITCH, KEY BOARD (CD)
SW704	1-554-303-21	SWITCH, KEY BOARD (TUNER)
SW705	1-554-303-21	SWITCH, KEY BOARD (PHONE)
T901	△ 1-450-130-11	TRANSFORMER, POWER
TM501	1-537-240-31	TERMINAL BOARD (CHECKER PIN) (SPEAKER)
X701	1-577-077-11	OSCILLATOR, CERAMIC (400kHz)

ACCESSORY & PACKING MATERIAL

1-465-425-11	REMOTE COMMANDER (RM-S101)
2-181-754-01	COVER, BATTERY
*3-703-710-41	STICKER, SONY SYMBOL (12)
3-751-777-11	MANUAL, INSTRUCTION
3-751-777-41	MANUAL, INSTRUCTION
*4-931-987-01	CUSHION
*4-931-988-01	INDIVIDUAL CARTON

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