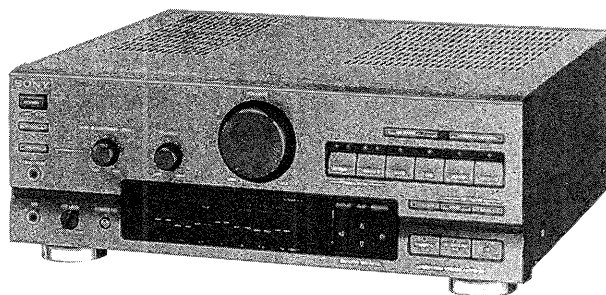


TA-A60

SERVICE MANUAL

*E Model
Australian Model*



This set is the amplifier section in LBT-A60/A60CD/A60CDM.

SPECIFICATIONS

Continuous RMS power output

70 W + 70 W
(6 ohms, at 1 kHz, 5% THD)

Peak Music power output

850 W
(4 speakers driven)

Input	Jack type	Sensitivity	Impedance
VIDEO1/DAT	Phono	245 mV	47 kohms
VIDEO2	Phono	245 mV	47 kohms
PHONO (MM)	Phono	3.3 mV	47 kohms
MIC	Phone	1 mV	10 kohms

Audio output	Jack type	Voltage	Impedance
VIDEO 1/DAT	Phono	200 mV	2 kohms
SURROUND SPEAKER	Phono	Accepts speakers of 8 to 16 ohms	
HEADPHONES	Stereophone	Accepts headphones of 8 ohms or more	

Video output (phono jacks)

VIDEO 1/DAT

1 Vp-p, 75 ohm unbalanced, sync
negative

MONITOR

1 Vp-p, 75 ohm unbalanced, sync
negative

Frequency response

15 Hz to 50 kHz ± 0 dB

Power requirements

120 V/220 V/240 V AC, adjustable
with the voltage selector, 50/60 Hz

Power consumption

190 W

Weight

Approx. 6.5 kg

Dimensions

Approx. 355 × 132 × 320 mm
(w/h/d, including projections)

Design and specifications are subject to change without notice.

INTEGRATED STEREO AMPLIFIER
SONY®

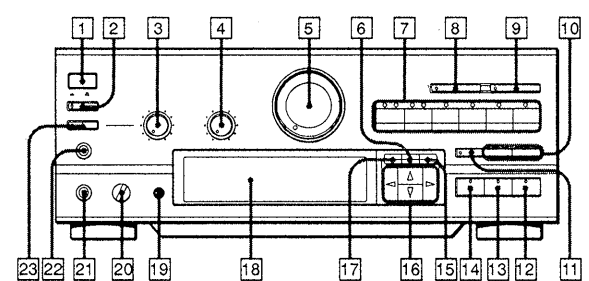
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SAFETY-RELATED COMPONENT WARNING!!

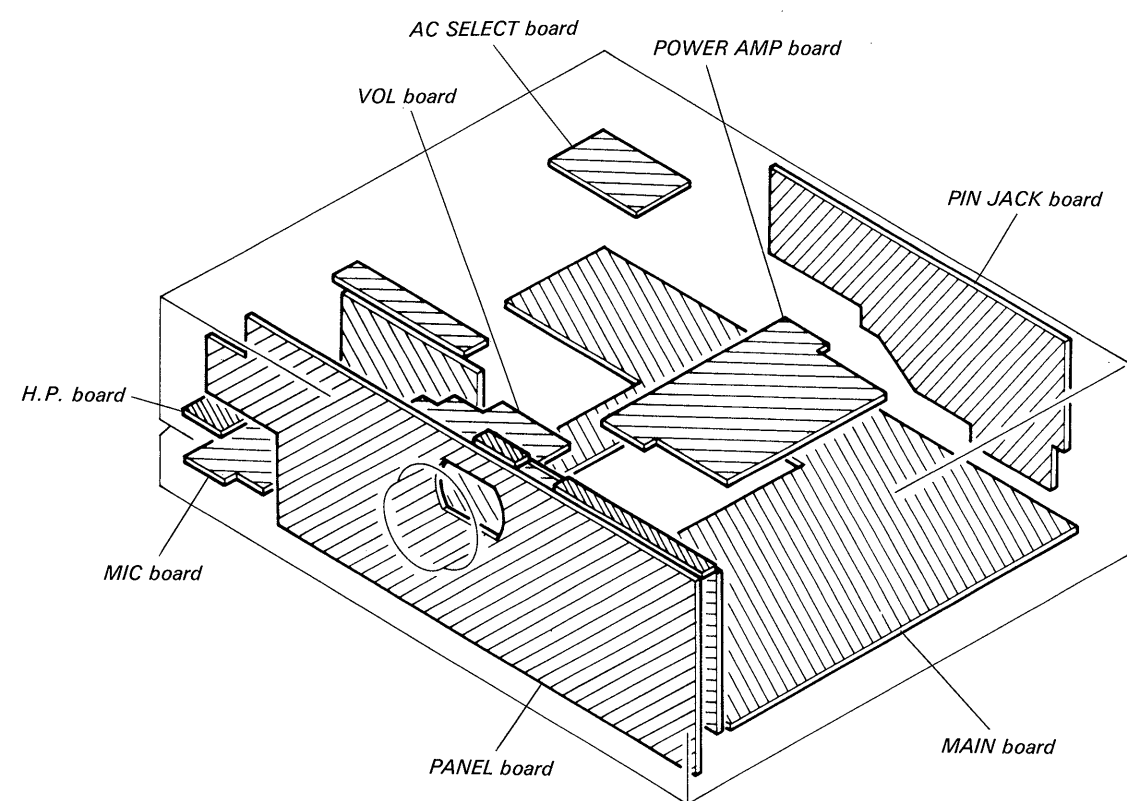
COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Location of Controls



This section is extracted from instruction manual.

2-1. CIRCUIT BOARDS LOCATION

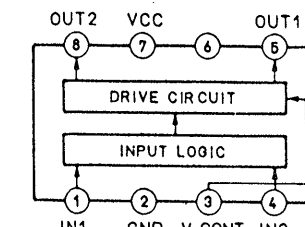


2-2. SCHEMATIC DIAGRAMS – PANEL Section –

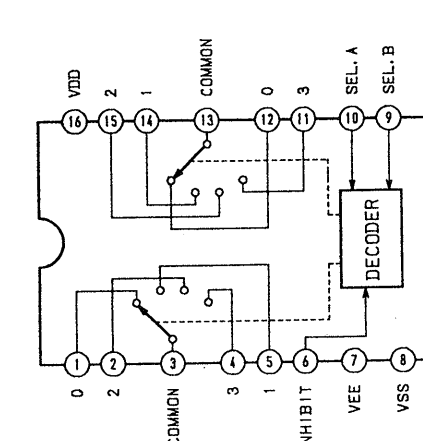
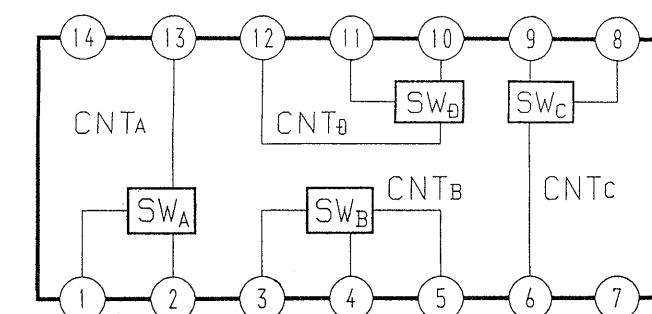
- Note:**
- All capacitors are in μF unless otherwise noted, $\text{pF} = \mu\text{F} \cdot 10^{-6}$ 500W or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
 -  : internal component.
 -  : nonflammable resistor.
 -  : fusible.
 -  : B+ Line
 -  : B- Line
 -  : adjustment for repair.
 -  : selected to yield optimum performance.
 - AC voltage readings in the bias oscillator with a VTVM.
 - Total current is measured with no cassette installed.
 - Power voltage is dc V and fed with regulated dc power supply from external power voltage jack.

- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input Impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.

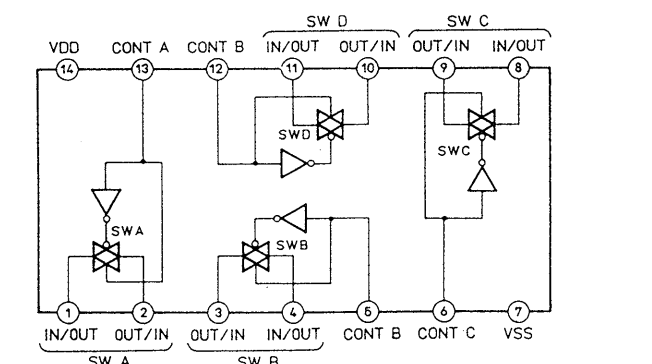
● IC Block Diagrams **IC904 LB1639**



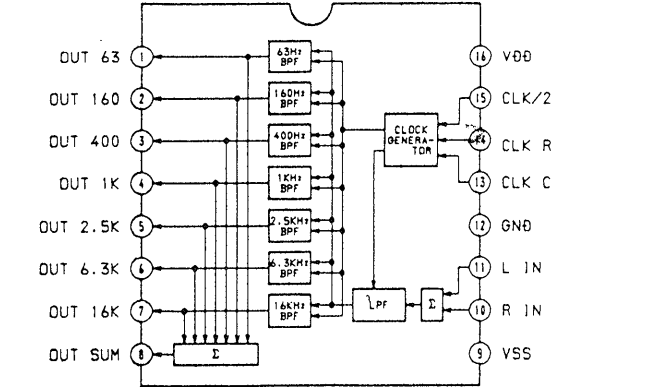
IC102 MC14052BCP

IC103 μ MC14066BCP

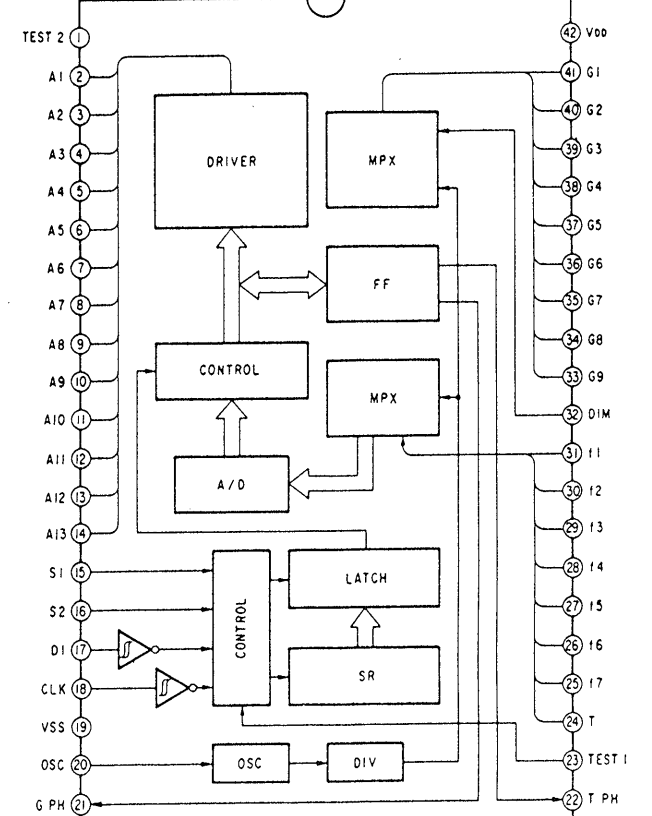
IC604 LC4966



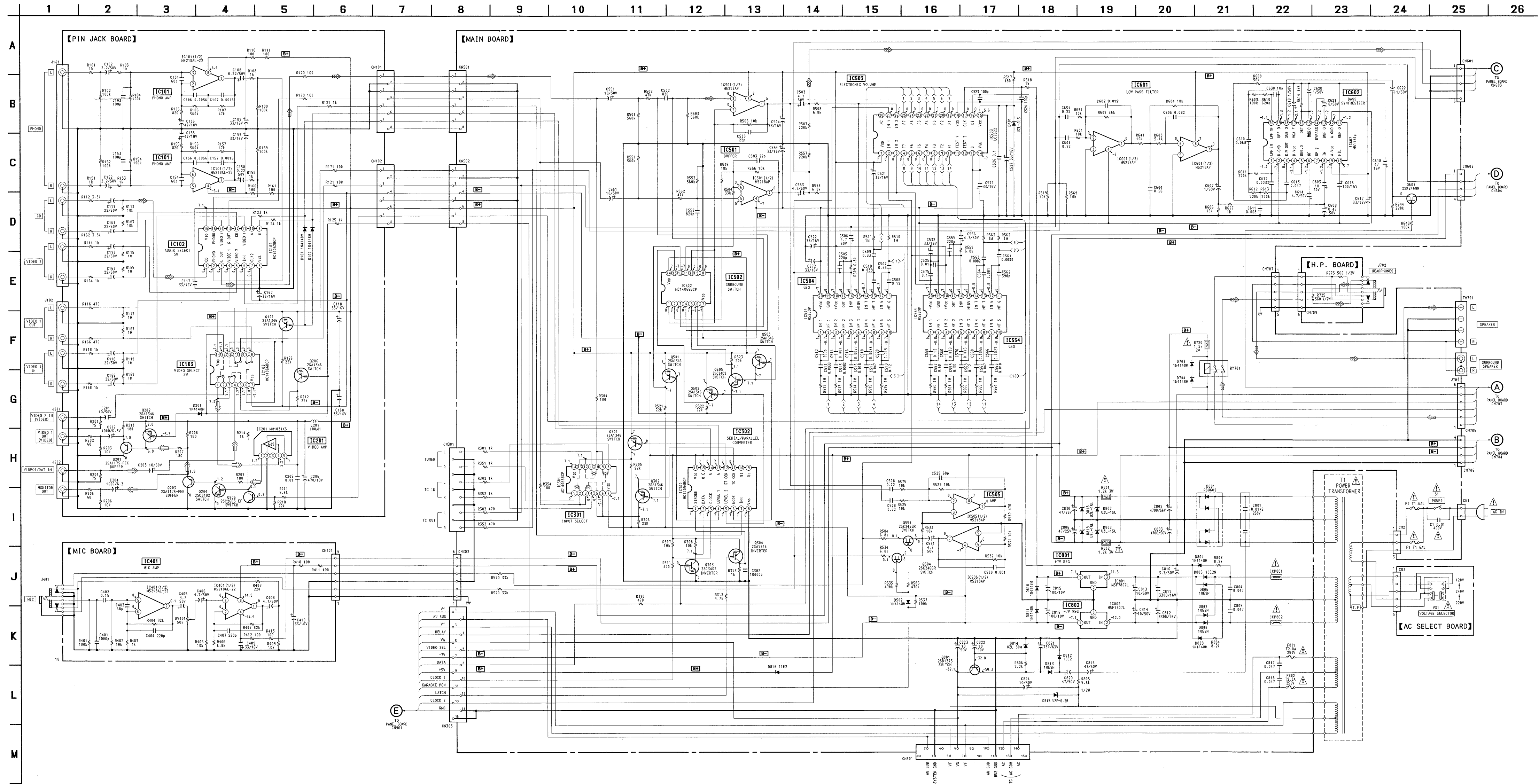
IC905 XR1091DCP



IC906 LC7565K



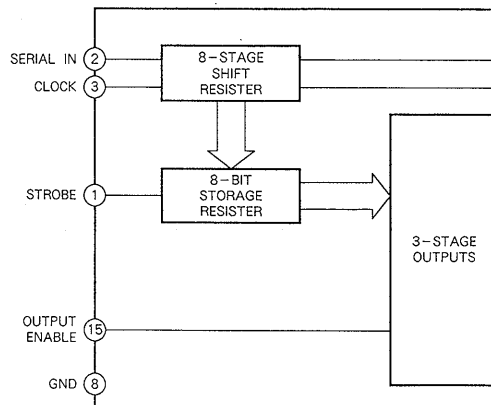
2-3. SCHEMATIC DIAGRAMS – MAIN Section –



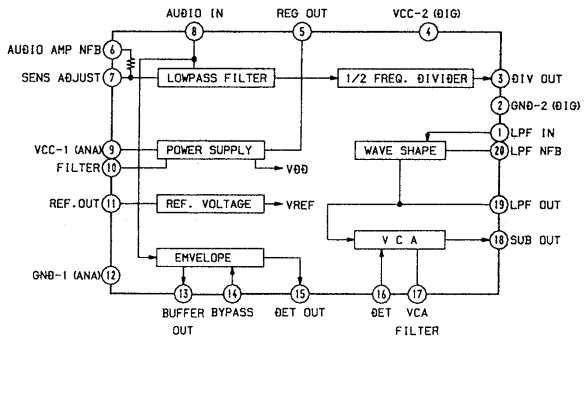
- Note:**
- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
 - $\triangle$: internal component.
 - $\square$: nonflammable resistor.
 - $\square$: fusible resistor.
 - $\square$: printed resistor.
 - $\square$: B+ Line
 - $\square$: B- Line
 - $\square$: adjustment for repair.
 - $\ast$: selected to yield optimum performance.
 - AC voltage readings in the bias oscillator with a VTVM.
 - Total current is measured with no cassette installed.
 - Power voltage is dc V and fed with regulated dc power supply from external power voltage jack.
 - Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
 - Voltages are taken with a VOM (Input Impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
 - Circled numbers refer to waveforms.
 - Signal path.
 - $\Rightarrow$: CD

• IC Block Diagrams

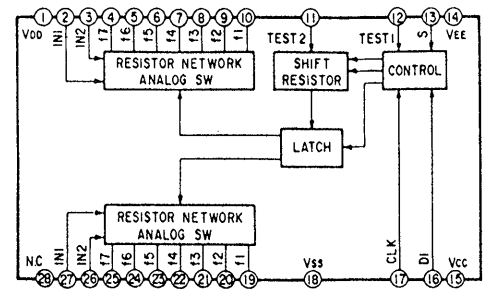
IC302 MC14094BCP



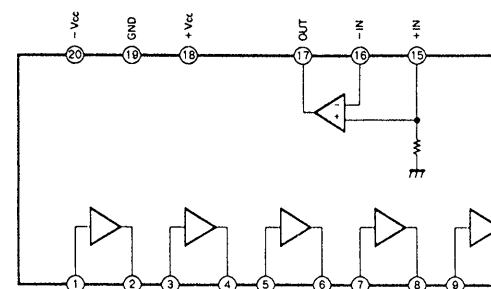
IC602 M51134P



IC503 LC7522K

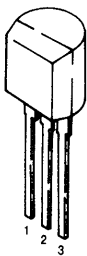


IC504 M5289P

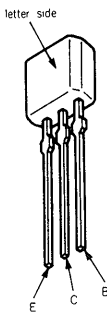


2-5. SEMICONDUCTOR LEAD LAYOUTS

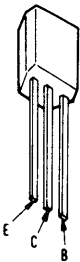
M51943BSL



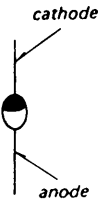
2SA1175-FEK
2SA1175-HFE
DTA124ES



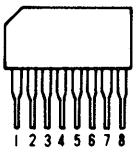
DTC114ES



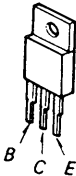
UZ-4.3BSA



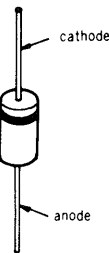
M5218AL
M5218AL-22



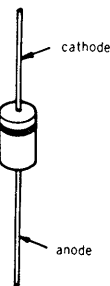
2SB1094-LK



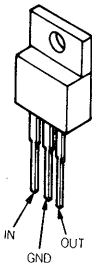
10E2
10E2N



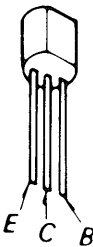
UZP-6.2B-TP



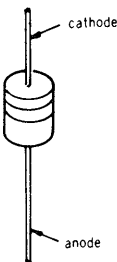
M5F7807
M5F7907



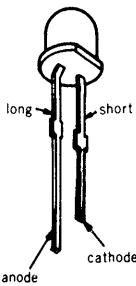
2SC1841-PAFAEA



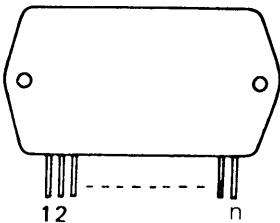
HZS30-2L
UZ-4.7BSA
UZL-15L



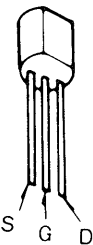
SEL2210-D



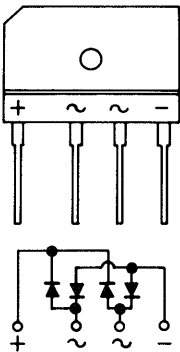
STK4190-MK2



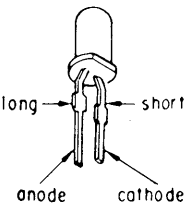
2SK246GR



RBV-602-01



SEL2410E-D



SECTION 3 EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.

- Color Indication of Appearance Parts
Example:

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

↑
↑
 Parts color Cabinet's color

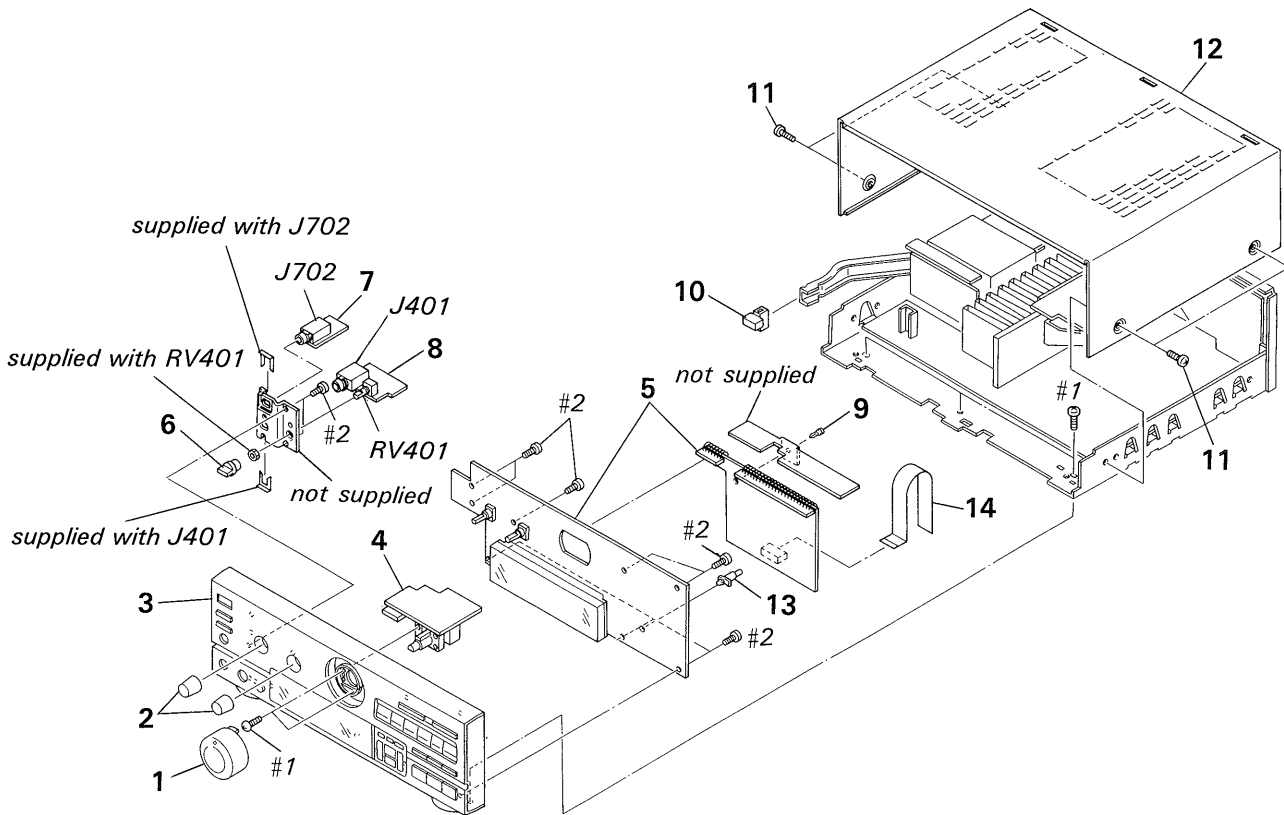
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- hardware (#mark) list is given in the last of this parts list.

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

EA: Saudi Arabia

AUS: Australian

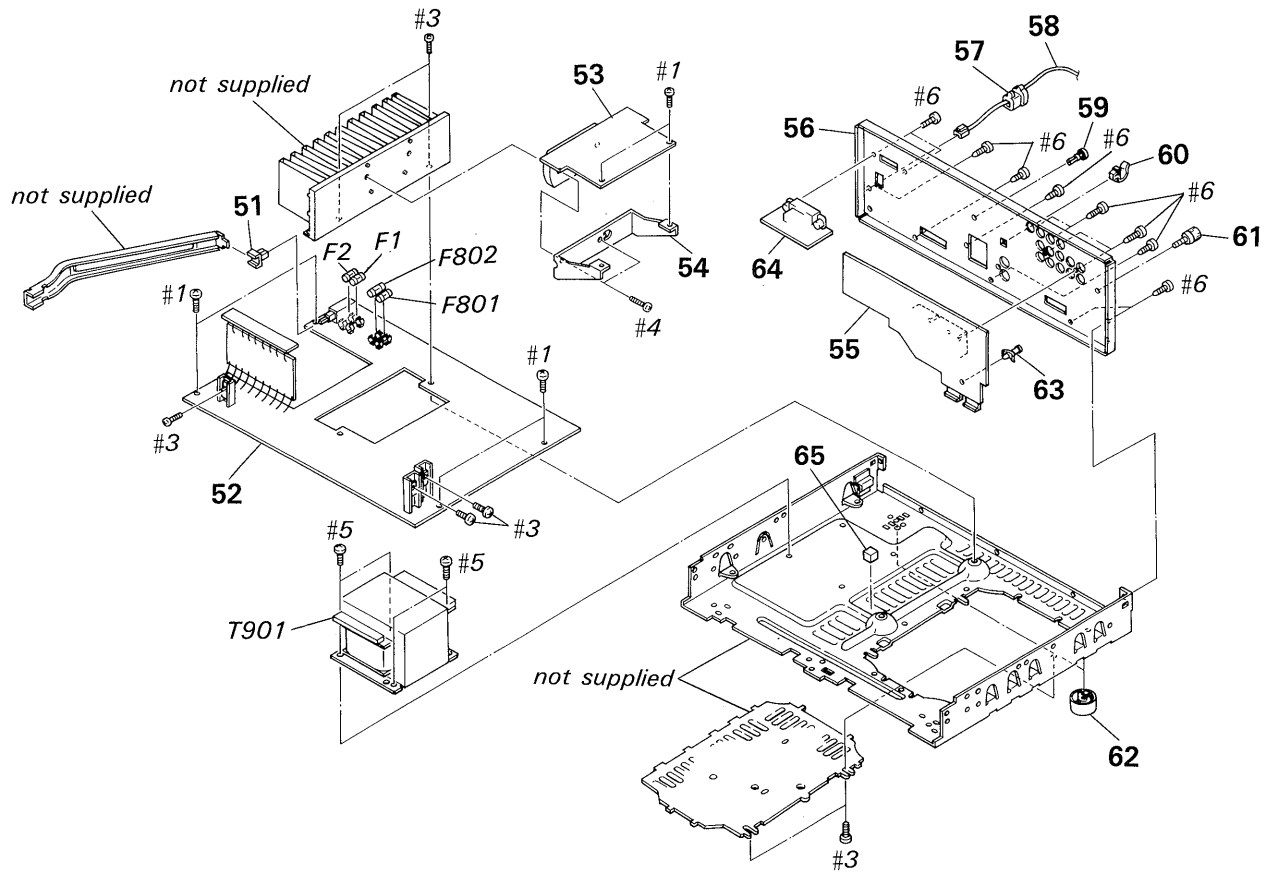
3-1. CABINET SECTION



Ref. No.	Part No.	Description	Remark
1	X-4942-418-1	KNOB ASSY, ROUND	
2	4-950-651-11	KNOB (DIA. 16), ROUND	
3	X-4942-415-1	PANEL ASSY, FRONT	
* 4	1-643-547-11	VOL BOARD	
* 5	A-4347-262-A	PANEL BOARD, COMPLETE	
6	4-950-652-11	KNOB (DIA. 12), ROUND	
* 7	1-643-546-11	H. P. BOARD	
* 8	1-643-545-11	MIC BOARD	
9	4-812-134-11	RIVET NYLON, 3. 5	

Ref. No.	Part No.	Description	Remark
10	4-942-061-11	BUTTON (P)	
11	3-363-099-01	SCREW (CASE +3X8 TP2)	
* 12	4-949-912-11	CASE	
* 13	4-924-098-31	HOLDER, PC BOARD	
14	1-690-095-11	WIRE, FLAT TYPE (15 CORE)	
J401	1-507-854-00	JACK, PHONE (MIC)	
J702	1-507-854-00	JACK, PHONE (HEADPHONES)	
RV401	1-241-317-11	RES. VAR, CARBON 50K (MIC LEVEL)	

3-2. MAIN BOARD SECTION



Ref. No.	Part No.	Description	Remark
51	4-866-342-00	JOINT (B), KNOB	
* 52	A-4347-255-A	MAIN BOARD, COMPLETE	
* 53	A-4347-261-A	POWER AMP BOARD, COMPLETE	
* 54	4-943-903-01	BRACKET	
* 55	A-4347-264-A	PIN JACK BOARD, COMPLETE	
* 56	4-950-653-31	PANEL (B3120), BACK	
* 57	3-703-244-00	BUSHING (2104), CORD (EA, AUS)	
* 57	3-703-571-11	BUSHING (S) (4516), CORD (E)	
⚠ 58	1-575-651-11	CORD, POWER (EA)	
⚠ 58	1-575-656-11	CORD, POWER (E)	
⚠ 58	1-690-056-11	CORD, POWER (AUS)	
* 59	4-912-181-21	SUPPORT, PC	

Ref. No.	Part No.	Description	Remark
* 60	4-949-235-01	HOOK	
61	4-947-010-01	SCREW, FEEDER FIXED	
62	4-931-169-01	FOOT	
* 63	3-349-025-31	HOLDER, PC BOARD	
* 64	1-643-550-11	AC SELECT BOARD	
65	9-911-843-XX	CUSHION (B), PC BOARD	
⚠ F1	1-532-259-00	FUSE (T1. 6A)	
⚠ F2	1-532-259-00	FUSE (T1. 6A)	
⚠ F801	1-532-203-00	FUSE (T2. 0A)	
⚠ F802	1-532-203-00	FUSE (T2. 0A)	
⚠ T901	1-450-871-11	TRANSFORMER, POWER	

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

SECTION 4 ELECTRICAL PARTS LIST

H. P.

MAIN

POWER AMP

AC SELECT

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.
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- RESISTORS
All resistors are in ohms
METAL: Metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA...: μ PA...,
uPB...: μ PB..., uPC...: μ PC...,
uPD...: μ PD...
- CAPACITORS
uF: μ F
- COILS
uH: μ H

When indication parts by reference number, please include the board name.

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

EA: Saudi Arabia

AUS: Australian

Ref. No.	Part No.	Description	Remark
*	1-643-546-11	H. P. BOARD ***** < CONNECTOR >	
* CN709	1-564-508-11	PLUG, CONNECTOR 5P < JACK >	
J702	1-507-854-00	JACK, PHONE (HEADPHONES) < RESISTOR >	
R725	1-247-749-11	CARBON 560 5% 1/2W	
R775	1-247-749-11	CARBON 560 5% 1/2W	

*	A-4347-255-A	MAIN BOARD, COMPLETE *****	
*	A-4347-261-A	POWER AMP BOARD, COMPLETE *****	
*	1-643-550-11	AC SELECT BOARD *****	
*	1-533-213-31	HOLDER, FUSE	
*	3-309-144-21	HEAT SINK	
*	4-941-237-01	HEAT SINK	
	7-682-548-04	SCREW +BVT 3X8 (S)	
< CAPACITOR >			
Δ C1	1-161-744-00	CERAMIC 0.01uF 400V	
C302	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C501	1-126-059-11	ELECT 10uF 20% 50V	
C502	1-130-470-00	MYLAR 820PF 5% 50V	
C503	1-126-163-11	ELECT 4.7uF 20% 50V	
C504	1-124-034-51	ELECT 33uF 20% 16V	
C505	1-162-286-31	CERAMIC 220PF 10% 50V	
C506	1-126-163-11	ELECT 4.7uF 20% 50V	
C507	1-136-175-00	FILM 0.68uF 5% 50V	

Ref. No.	Part No.	Description	Remark
C508	1-136-166-00	FILM 0.12uF 5% 50V	
C509	1-136-171-00	FILM 0.33uF 5% 50V	
C510	1-136-160-00	FILM 0.039uF 5% 50V	
C511	1-130-477-00	MYLAR 0.0033uF 5% 50V	
C512	1-164-080-11	CERAMIC 390PF 10% 50V	
C513	1-130-482-00	MYLAR 0.0082uF 5% 50V	
C514	1-106-343-00	MYLAR 1000PF 5% 200V	
C515	1-136-156-00	FILM 0.018uF 5% 50V	
C516	1-106-353-00	MYLAR 0.0027uF 5% 50V	
C517	1-136-161-00	FILM 0.047uF 5% 50V	
C518	1-130-480-00	MYLAR 0.0056uF 5% 50V	
C519	1-136-166-00	FILM 0.12uF 5% 50V	
C520	1-136-155-00	FILM 0.015uF 5% 50V	
C521	1-124-034-51	ELECT 33uF 20% 16V	
C522	1-124-034-51	ELECT 33uF 20% 16V	
C523	1-162-282-31	CERAMIC 100PF 10% 50V	
C524	1-162-282-31	CERAMIC 100PF 10% 50V	
C525	1-130-483-00	MYLAR 0.01uF 5% 50V	
C526	1-164-159-11	CERAMIC 0.1uF 50V	
C527	1-124-034-51	ELECT 33uF 20% 16V	
C528	1-136-169-00	FILM 0.22uF 5% 50V	
C529	1-164-066-11	CERAMIC 68PF 5% 50V	
C530	1-106-343-00	MYLAR 1000PF 5% 200V	
C531	1-126-163-11	ELECT 4.7uF 20% 50V	
C532	1-124-034-51	ELECT 33uF 20% 16V	
C533	1-164-054-11	CERAMIC 22PF 5% 50V	
C551	1-126-059-11	ELECT 10uF 20% 50V	
C552	1-130-470-00	MYLAR 820PF 5% 50V	
C553	1-126-163-11	ELECT 4.7uF 20% 50V	
C554	1-124-034-51	ELECT 33uF 20% 16V	
C555	1-162-286-31	CERAMIC 220PF 10% 50V	
C556	1-126-163-11	ELECT 4.7uF 20% 50V	
C557	1-136-175-00	FILM 0.68uF 5% 50V	
C558	1-136-166-00	FILM 0.12uF 5% 50V	

MAIN

POWER AMP

AC SELECT

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C559	1-136-171-00	FILM	0.33uF	5%	50V	C715	1-126-300-11	ELECT	0.47uF	20%	50V
C560	1-136-160-00	FILM	0.039uF	5%	50V	C751	1-126-161-11	ELECT	2.2uF	20%	50V
C561	1-130-477-00	MYLAR	0.0033uF	5%	50V	C752	1-164-081-11	CERAMIC	470PF	10%	50V
C562	1-164-080-11	CERAMIC	390PF	10%	50V	C753	1-162-286-31	CERAMIC	220PF	10%	50V
C563	1-130-482-00	MYLAR	0.0082uF	5%	50V	C754	1-124-994-11	ELECT	100uF	20%	10V
C564	1-106-343-00	MYLAR	1000PF	5%	200V	C758	1-136-163-00	FILM	0.068uF	5%	50V
C565	1-136-156-00	FILM	0.018uF	5%	50V	C759	1-136-163-00	FILM	0.068uF	5%	50V
C566	1-106-353-00	MYLAR	0.0027uF	5%	50V	C801	1-102-394-11	CERAMIC	0.01uF		250V
C567	1-136-161-00	FILM	0.047uF	5%	50V	C802	1-126-258-11	ELECT	4700uF	20%	56V
C568	1-130-480-00	MYLAR	0.0056uF	5%	50V	C803	1-126-258-11	ELECT	4700uF	20%	56V
C569	1-136-166-00	FILM	0.12uF	5%	50V	C804	1-161-021-11	CERAMIC	0.047uF	10%	25V
C570	1-136-155-00	FILM	0.015uF	5%	50V	C805	1-161-021-11	CERAMIC	0.047uF	10%	25V
C571	1-124-034-51	ELECT	33uF	20%	16V	C806	1-124-910-11	ELECT	47uF	20%	50V
C572	1-124-034-51	ELECT	33uF	20%	16V	C810	1-126-162-11	ELECT	3.3uF	20%	50V
C575	1-164-159-11	CERAMIC	0.1uF		50V	C811	1-124-887-00	ELECT	3300uF	20%	16V
C578	1-136-169-00	FILM	0.22uF	5%	50V	C812	1-124-887-00	ELECT	3300uF	20%	16V
C583	1-164-054-11	CERAMIC	22PF	5%	50V	C813	1-126-059-11	ELECT	10uF	20%	50V
C601	1-136-169-00	FILM	0.22uF	5%	50V	C814	1-126-059-11	ELECT	10uF	20%	50V
C602	1-136-154-00	FILM	0.012uF	5%	50V	C815	1-124-994-11	ELECT	100uF	20%	10V
C603	1-126-059-11	ELECT	10uF	20%	50V	C816	1-124-994-11	ELECT	100uF	20%	10V
C604	1-136-174-00	FILM	0.56uF	5%	50V	C817	1-161-021-11	CERAMIC	0.047uF	10%	25V
C605	1-136-164-00	FILM	0.082uF	5%	50V	C818	1-161-021-11	CERAMIC	0.047uF	10%	25V
C607	1-126-301-11	ELECT	1uF	20%	50V	C819	1-124-910-11	ELECT	47uF	20%	50V
C608	1-126-300-11	ELECT	0.47uF	20%	50V	C820	1-124-910-11	ELECT	47uF	20%	50V
C610	1-136-163-00	FILM	0.068uF	5%	50V	C821	1-124-920-11	ELECT	330uF	20%	63V
C611	1-136-163-00	FILM	0.068uF	5%	50V	C822	1-126-059-11	ELECT	10uF	20%	50V
C612	1-130-477-00	MYLAR	0.0033uF	5%	50V	C823	1-126-059-11	ELECT	10uF	20%	50V
C613	1-136-161-00	FILM	0.047uF	5%	50V	C824	1-126-059-11	ELECT	10uF	20%	50V
C614	1-126-163-11	ELECT	4.7uF	20%	50V	C830	1-124-910-11	ELECT	47uF	20%	50V
C615	1-126-023-11	ELECT	100uF	20%	16V						
C617	1-124-034-51	ELECT	33uF	20%	16V	< CONNECTOR >					
C618	1-126-022-11	ELECT	47uF	20%	16V	* CN1	1-564-321-00	PIN, CONNECTOR 2P			
C619	1-126-301-11	ELECT	1uF	20%	50V	* CN2	1-535-140-00	BASE POST 22MM (10MM PITCH) 3P			
C620	1-126-301-11	ELECT	1uF	20%	50V	* CN3	1-573-565-11	PIN, CONNECTOR 5P			
C621	1-126-059-11	ELECT	10uF	20%	50V	* CN301	1-566-858-41	SOCKET, CONNECTOR 11P			
C622	1-126-301-11	ELECT	1uF	20%	50V	* CN302	1-564-509-11	PLUG, CONNECTOR 6P			
C630	1-164-019-11	CERAMIC	10PF	0.5PF	50V	* CN303	1-568-834-11	SOCKET, CONNECTOR 15P			
C651	1-136-169-00	FILM	0.22uF	5%	50V	CN501	1-568-319-11	SOCKET, CONNECTOR 8P			
C701	1-126-161-11	ELECT	2.2uF	20%	50V	CN502	1-568-319-11	SOCKET, CONNECTOR 8P			
C702	1-164-081-11	CERAMIC	470PF	10%	50V	* CN601	1-564-508-11	PLUG, CONNECTOR 5P			
C703	1-162-286-31	CERAMIC	220PF	10%	50V	* CN602	1-564-507-11	PLUG, CONNECTOR 4P			
C704	1-124-994-11	ELECT	100uF	20%	10V						
C706	1-124-572-11	ELECT	100uF	20%	63V	* CN702	1-564-518-11	PLUG, CONNECTOR 3P			
C707	1-124-572-11	ELECT	100uF	20%	63V	* CN703	1-564-519-11	PLUG, CONNECTOR 4P			
C708	1-136-163-00	FILM	0.068uF	5%	50V	* CN704	1-564-521-11	PLUG, CONNECTOR 6P			
C709	1-136-163-00	FILM	0.068uF	5%	50V	* CN705	1-564-509-11	PLUG, CONNECTOR 6P			
C710	1-124-587-11	ELECT	220uF	20%	6.3V	CN706	1-564-507-11	PLUG, CONNECTOR 4P			
C711	1-124-587-11	ELECT	220uF	20%	6.3V						
C712	1-124-443-00	ELECT	100uF	20%	10V	* CN801	1-566-859-11	SOCKET, CONNECTOR 15P			

MAIN

POWER AMP

AC SELECT

Ref. No.	Part No.	Description	Remark
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< DIODE >

D401	8-719-000-54	DIODE	UZL-6L3
D502	8-719-987-63	DIODE	1N4148M
D701	8-719-987-63	DIODE	1N4148M
D702	8-719-987-63	DIODE	1N4148M
D703	8-719-987-63	DIODE	1N4148M

D704	8-719-987-63	DIODE	1N4148M
D705	8-719-987-63	DIODE	1N4148M
D751	8-719-987-63	DIODE	1N4148M
D801	8-719-302-38	DIODE	RBV-602-01
D802	8-719-001-88	DIODE	UZL-15L

D803	8-719-001-88	DIODE	UZL-15L
D804	8-719-987-63	DIODE	1N4148M
D805	8-719-200-77	DIODE	10E2N
D806	8-719-200-77	DIODE	10E2N
D807	8-719-200-77	DIODE	10E2N

D808	8-719-200-77	DIODE	10E2N
D809	8-719-987-63	DIODE	1N4148M
D810	8-719-987-63	DIODE	1N4148M
D811	8-719-987-63	DIODE	1N4148M
D812	8-719-200-77	DIODE	10E2N

D813	8-719-200-77	DIODE	10E2N
D814	8-719-934-22	DIODE	HZS30-2L
D815	8-719-014-75	DIODE	UZP-6. 2B
D816	8-719-200-02	DIODE	10E2
D818	8-719-001-88	DIODE	UZL-15L

D819	8-719-001-88	DIODE	UZL-15L
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< FUSE >

△ F1	1-532-259-00	FUSE T1. 6AL
△ F2	1-532-259-00	FUSE T1. 6AL
△ F801	1-532-203-00	FUSE T2. 0A 250V
△ F802	1-532-203-00	FUSE T2. 0A 250V

< IC >

IC301	8-759-000-49	IC	MC140668CP
IC302	8-759-202-61	IC	TC4094BP
IC501	8-759-634-51	IC	M5218AP
IC502	8-759-000-49	IC	MC140668CP
IC503	8-759-822-26	IC	LC7522K

IC504	8-759-633-78	IC	M5289P
IC505	8-759-634-51	IC	M5218AP
IC554	8-759-633-78	IC	M5289P
IC601	8-759-634-51	IC	M5218AP
IC602	8-759-043-16	IC	M51134P

IC701	8-749-922-95	IC	STK4190-MK2
IC702	8-759-111-68	IC	uPC1237HA
IC801	8-759-604-86	IC	M5F7807L

Ref. No.	Part No.	Description	Remark
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IC802	8-759-604-90	IC	M5F7907L
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< IC LINK >

△ ICP801	1-532-843-21	LI	NK, IC (PRF 2500)
△ ICP802	1-532-843-21	LI	NK, IC (PRF 2500)

< JACK >

J701	1-565-352-41	JACK, PIN 2P	(SURROUND SPEAKER)
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< COIL >

* L701	1-420-872-00	COIL, AIR CORE
* L751	1-420-872-00	COIL, AIR CORE

< TRANSISTOR >

Q301	8-729-900-63	TRANSISTOR	DTA124ES
Q302	8-729-900-63	TRANSISTOR	DTA124ES
Q303	8-729-900-80	TRANSISTOR	DTC114ES
Q304	8-729-900-63	TRANSISTOR	DTA124ES
Q501	8-729-900-63	TRANSISTOR	DTA124ES

Q502	8-729-900-63	TRANSISTOR	DTA124ES
Q503	8-729-900-63	TRANSISTOR	DTA124ES
Q504	8-729-224-62	TRANSISTOR	2SK246-GR
Q505	8-729-900-80	TRANSISTOR	DTC114ES
Q554	8-729-224-62	TRANSISTOR	2SK246-GR

Q607	8-729-224-62	TRANSISTOR	2SK246-GR
Q701	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA
Q702	8-729-900-63	TRANSISTOR	DTA124ES
Q751	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA
Q801	8-729-141-83	TRANSISTOR	2SB1094-LK

< RESISTOR >

R301	1-249-417-11	CARBON	1K	5%	1/4W
R302	1-249-417-11	CARBON	1K	5%	1/4W
R303	1-249-413-11	CARBON	470	5%	1/4W
R304	1-249-405-11	CARBON	100	5%	1/4W
R305	1-249-433-11	CARBON	22K	5%	1/4W

R306	1-249-433-11	CARBON	22K	5%	1/4W
R307	1-249-429-11	CARBON	10K	5%	1/4W
R308	1-249-429-11	CARBON	10K	5%	1/4W
R310	1-249-413-11	CARBON	470	5%	1/4W
R311	1-249-413-11	CARBON	470	5%	1/4W

R312	1-249-425-11	CARBON	4. 7K	5%	1/4W
R313	1-249-417-11	CARBON	1K	5%	1/4W
R351	1-249-417-11	CARBON	1K	5%	1/4W
R352	1-249-417-11	CARBON	1K	5%	1/4W
R353	1-249-413-11	CARBON	470	5%	1/4W

R354	1-249-405-11	CARBON	100	5%	1/4W
R501	1-247-897-11	CARBON	560K	5%	1/4W

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

MAIN

POWER AMP

AC SELECT

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R502	1-249-437-11	CARBON	47K	5%	1/4W	R585	1-247-895-00	CARBON	470K	5%	1/4W
R503	1-247-897-11	CARBON	560K	5%	1/4W	R601	1-249-429-11	CARBON	10K	5%	1/4W
R504	1-249-435-11	CARBON	33K	5%	1/4W	R602	1-249-438-11	CARBON	56K	5%	1/4W
R505	1-249-432-11	CARBON	18K	5%	1/4W	R603	1-247-848-11	CARBON	5. 1K	5%	1/4W
R506	1-249-429-11	CARBON	10K	5%	1/4W	R604	1-249-429-11	CARBON	10K	5%	1/4W
R507	1-247-887-00	CARBON	220K	5%	1/4W	R606	1-249-429-11	CARBON	10K	5%	1/4W
R508	1-249-427-11	CARBON	6. 8K	5%	1/4W	R607	1-249-417-11	CARBON	1K	5%	1/4W
R509	1-249-427-11	CARBON	6. 8K	5%	1/4W	R608	1-249-438-11	CARBON	56K	5%	1/4W
R510	1-247-903-00	CARBON	1M	5%	1/4W	R609	1-249-441-11	CARBON	100K	5%	1/4W
R511	1-247-903-00	CARBON	1M	5%	1/4W	R610	1-247-898-11	CARBON	620K	5%	1/4W
R512	1-247-903-00	CARBON	1M	5%	1/4W	R611	1-247-887-00	CARBON	220K	5%	1/4W
R513	1-247-903-00	CARBON	1M	5%	1/4W	R612	1-247-887-00	CARBON	220K	5%	1/4W
R514	1-247-903-00	CARBON	1M	5%	1/4W	R613	1-247-887-00	CARBON	220K	5%	1/4W
R515	1-247-903-00	CARBON	1M	5%	1/4W	R614	1-249-435-11	CARBON	33K	5%	1/4W
R516	1-247-903-00	CARBON	1M	5%	1/4W	R641	1-249-429-11	CARBON	10K	5%	1/4W
R517	1-249-408-11	CARBON	180	5%	1/4W	R643	1-249-441-11	CARBON	100K	5%	1/4W
R518	1-249-417-11	CARBON	1K	5%	1/4W	R644	1-247-887-00	CARBON	220K	5%	1/4W
R519	1-249-429-11	CARBON	10K	5%	1/4W	R651	1-249-429-11	CARBON	10K	5%	1/4W
R520	1-249-435-11	CARBON	33K	5%	1/4W	R701	1-249-417-11	CARBON	1K	5%	1/4W
R521	1-249-433-11	CARBON	22K	5%	1/4W	R702	1-249-438-11	CARBON	56K	5%	1/4W
R522	1-249-433-11	CARBON	22K	5%	1/4W	R703	1-249-412-11	CARBON	390	5%	1/4W
R523	1-249-433-11	CARBON	22K	5%	1/4W	R704	1-249-438-11	CARBON	56K	5%	1/4W
R525	1-249-429-11	CARBON	10K	5%	1/4W	⚠ R705	1-212-881-11	FUSIBLE	100	5%	1/4W F
R529	1-249-429-11	CARBON	10K	5%	1/4W	⚠ R706	1-212-881-11	FUSIBLE	100	5%	1/4W F
R530	1-249-413-11	CARBON	470	5%	1/4W	R707	1-249-417-11	CARBON	1K	5%	1/4W
R531	1-249-429-11	CARBON	10K	5%	1/4W	R708	1-249-430-11	CARBON	12K	5%	1/4W
R532	1-249-429-11	CARBON	10K	5%	1/4W	R709	1-249-441-11	CARBON	100K	5%	1/4W
R533	1-249-429-11	CARBON	10K	5%	1/4W	⚠ R710	1-217-156-00	RES, METAL PLATE 0.22	5W		F
R534	1-249-427-11	CARBON	6. 8K	5%	1/4W	R711	1-247-727-11	CARBON	10	5%	1/2W
R535	1-247-895-00	CARBON	470K	5%	1/4W	R712	1-247-727-11	CARBON	10	5%	1/2W
R537	1-249-441-11	CARBON	100K	5%	1/4W	R713	1-249-438-11	CARBON	56K	5%	1/4W
R551	1-247-897-11	CARBON	560K	5%	1/4W	R714	1-249-429-11	CARBON	10K	5%	1/4W
R552	1-249-437-11	CARBON	47K	5%	1/4W	R715	1-249-441-11	CARBON	100K	5%	1/4W
R553	1-247-897-11	CARBON	560K	5%	1/4W	R716	1-249-417-11	CARBON	1K	5%	1/4W
R556	1-249-429-11	CARBON	10K	5%	1/4W	R718	1-249-437-11	CARBON	47K	5%	1/4W
R557	1-247-887-00	CARBON	220K	5%	1/4W	R719	1-249-487-11	CARBON	15K	5%	1/2W
R558	1-249-427-11	CARBON	6. 8K	5%	1/4W	⚠ R720	1-216-457-00	METAL OXIDE	1. 2K	5%	2W F
R559	1-249-427-11	CARBON	6. 8K	5%	1/4W	R722	1-247-903-00	CARBON	1M	5%	1/4W
R560	1-247-903-00	CARBON	1M	5%	1/4W	R723	1-249-433-11	CARBON	22K	5%	1/4W
R561	1-247-903-00	CARBON	1M	5%	1/4W	R724	1-249-428-11	CARBON	8. 2K	5%	1/4W
R562	1-247-903-00	CARBON	1M	5%	1/4W	R751	1-249-417-11	CARBON	1K	5%	1/4W
R563	1-247-903-00	CARBON	1M	5%	1/4W	R752	1-249-438-11	CARBON	56K	5%	1/4W
R564	1-247-903-00	CARBON	1M	5%	1/4W	R753	1-249-412-11	CARBON	390	5%	1/4W
R565	1-247-903-00	CARBON	1M	5%	1/4W	R754	1-249-438-11	CARBON	56K	5%	1/4W
R566	1-247-903-00	CARBON	1M	5%	1/4W	R757	1-249-417-11	CARBON	1K	5%	1/4W
R569	1-249-429-11	CARBON	10K	5%	1/4W	R758	1-249-430-11	CARBON	12K	5%	1/4W
R570	1-249-435-11	CARBON	33K	5%	1/4W	R759	1-249-441-11	CARBON	100K	5%	1/4W
R575	1-249-429-11	CARBON	10K	5%	1/4W	⚠ R760	1-217-156-00	RES, METAL PLATE 0.22	5W		F
R584	1-249-427-11	CARBON	6. 8K	5%	1/4W	R761	1-247-727-11	CARBON	10	5%	1/2W

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

MAIN

POWER AMP

AC SELECT

MIC

PANEL

Ref. No.	Part No.	Description	Remark		
R762	1-247-727-11	CARBON	10	5%	1/2W
R763	1-249-437-11	CARBON	47K	5%	1/4W
R773	1-249-433-11	CARBON	22K	5%	1/4W
△ R801	1-216-481-11	METAL OXIDE	1.2K	5%	3W F
△ R802	1-216-481-11	METAL OXIDE	1.2K	5%	3W F
R803	1-249-428-11	CARBON	8.2K	5%	1/4W
R804	1-249-428-11	CARBON	8.2K	5%	1/4W
R805	1-247-761-11	CARBON	5.6K	5%	1/2W
R806	1-249-421-11	CARBON	2.2K	5%	1/4W

< RELAY >

RY701 1-515-765-11 RELAY

< SWITCH >

△ S1 1-554-920-51 SWITCH, PUSH (AC POWER) (1 KEY)

< TERMINAL >

TM701 1-537-240-11 TERMINAL BOARD (CHECKER PIN)

< VOLTAGE SELECTOR >

△ VS1 1-572-009-11 SELECTOR, VOLTAGE (VOLTAGE SELECTOR)

* 1-643-545-11 MIC BOARD

< CAPACITOR >

C401	1-106-343-00	MYLAR	1000PF	5%	200V
C402	1-136-167-00	FILM	0.15uF	5%	50V
C403	1-162-219-31	CERAMIC	68PF	5%	50V
C404	1-162-286-31	CERAMIC	220PF	10%	50V
C405	1-126-163-11	ELECT	4.7uF	20%	50V
C406	1-126-163-11	ELECT	4.7uF	20%	50V
C407	1-162-286-31	CERAMIC	220PF	10%	50V
C408	1-126-163-11	ELECT	4.7uF	20%	50V
C409	1-124-034-51	ELECT	33uF	20%	16V
C410	1-124-034-51	ELECT	33uF	20%	16V

< CONNECTOR >

* CN401 1-564-509-11 PLUG, CONNECTOR 6P

< IC >

IC401 8-759-636-73 IC M5218AL-22

< JACK >

J401 1-507-854-00 JACK, PHONE (MIC)

Ref. No.	Part No.	Description	Remark		
< RESISTOR >					
R401	1-249-441-11	CARBON	100K	5%	1/4W
R402	1-249-429-11	CARBON	10K	5%	1/4W
R403	1-249-417-11	CARBON	1K	5%	1/4W
R404	1-249-440-11	CARBON	82K	5%	1/4W
R405	1-249-429-11	CARBON	10K	5%	1/4W
R406	1-249-427-11	CARBON	6.8K	5%	1/4W
R407	1-249-440-11	CARBON	82K	5%	1/4W
R408	1-249-409-11	CARBON	220	5%	1/4W
R409	1-249-429-11	CARBON	10K	5%	1/4W
R410	1-249-405-11	CARBON	100	5%	1/4W
R411	1-249-405-11	CARBON	100	5%	1/4W
R412	1-249-405-11	CARBON	100	5%	1/4W
R413	1-249-405-11	CARBON	100	5%	1/4W

< VARIABLE RESISTOR >

RV401 1-241-317-11 RES. VAR. CARBON 50K (MIC LEVEL)

* A-4347-262-A PANEL BOARD, COMPLETE

* 4-934-853-01 CUSHION

* 4-950-648-01 HOLDER (FU), LED

* 4-950-649-01 HOLDER, FL TUBE

< CAPACITOR >

C623	1-126-059-11	ELECT	10uF	20%	50V
C624	1-126-059-11	ELECT	10uF	20%	50V
C625	1-124-034-51	ELECT	33uF	20%	16V
C626	1-126-059-11	ELECT	10uF	20%	50V
C627	1-126-300-11	ELECT	0.47uF	20%	50V
C631	1-162-207-31	CERAMIC	22PF	5%	50V
C673	1-126-059-11	ELECT	10uF	20%	50V
C674	1-126-059-11	ELECT	10uF	20%	50V
C675	1-124-034-51	ELECT	33uF	20%	16V
C676	1-126-059-11	ELECT	10uF	20%	50V
C681	1-162-207-31	CERAMIC	22PF	5%	50V
C901	1-124-473-11	ELECT	1000uF	20%	10V
C902	1-125-486-11	DOUBLE LAYERS	0.22F		5.5V
C903	1-124-994-11	ELECT	100uF	20%	10V
C904	1-136-153-00	FILM	0.01uF	5%	50V
C905	1-136-153-00	FILM	0.01uF	5%	50V
C906	1-136-153-00	FILM	0.01uF	5%	50V
C907	1-136-159-00	FILM	0.033uF	5%	50V
C908	1-164-159-11	CERAMIC	0.1uF		50V
C909	1-164-159-11	CERAMIC	0.1uF		50V
C910	1-164-070-11	CERAMIC	100PF	5%	50V
C911	1-136-165-00	FILM	0.1uF	5%	50V

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

PANEL

Ref. No.	Part No.	Description	Remark		
C912	1-136-165-00	FILM	0. 1uF	5%	50V
C913	1-136-165-00	FILM	0. 1uF	5%	50V
C914	1-126-059-11	ELECT	10uF	20%	50V
C915	1-136-153-00	FILM	0. 01uF	5%	50V
C916	1-164-081-11	CERAMIC	470PF	10%	50V
C917	1-164-081-11	CERAMIC	470PF	10%	50V
C918	1-164-159-11	CERAMIC	0. 1uF		50V
C919	1-164-159-11	CERAMIC	0. 1uF		50V
C920	1-164-159-11	CERAMIC	0. 1uF		50V
C921	1-162-294-31	CERAMIC	0. 001uF	10%	50V
C922	1-164-159-11	CERAMIC	0. 1uF		50V
C923	1-126-564-91	ELECT	10uF	20%	16V
C924	1-164-159-11	CERAMIC	0. 1uF		50V
C925	1-126-564-91	ELECT	10uF	20%	16V
C926	1-126-564-91	ELECT	10uF	20%	16V
C927	1-161-374-11	CERAMIC	0. 0015uF	20%	50V
C928	1-164-081-11	CERAMIC	470PF	10%	50V
C929	1-164-081-11	CERAMIC	470PF	10%	50V
C930	1-164-081-11	CERAMIC	470PF	10%	50V
C931	1-164-081-11	CERAMIC	470PF	10%	50V
C932	1-164-081-11	CERAMIC	470PF	10%	50V
C933	1-126-564-91	ELECT	10uF	20%	16V
C934	1-164-159-11	CERAMIC	0. 1uF		50V
C936	1-164-159-11	CERAMIC	0. 1uF		50V
C937	1-126-162-11	ELECT	3. 3uF	20%	50V
C938	1-126-101-11	ELECT	100uF	20%	16V
< VIBRATOR >					
CF901	1-577-101-11	VIBRATOR, CERAMIC			
< CONNECTOR >					
* CN603	1-564-508-11	PLUG, CONNECTOR 5P			
* CN604	1-564-507-11	PLUG, CONNECTOR 4P			
* CN606	1-568-322-11	PLUG, CONNECTOR 10P			
* CN901	1-568-834-11	SOCKET, CONNECTOR 15P			
< COMPOSITION CIRCUIT BLOCK >					
CP901	1-232-882-11	COMPOSITION CIRCUIT BLOCK			
CP902	1-232-882-11	COMPOSITION CIRCUIT BLOCK			
CP903	1-232-882-11	COMPOSITION CIRCUIT BLOCK			
< DIODE >					
D601	8-719-987-63	DIODE	1N4148M		
D901	8-719-000-81	DIODE	UZL-7L3		
D902	8-719-987-63	DIODE	1N4148M		
D903	8-719-200-02	DIODE	10E2		
D904	8-719-200-02	DIODE	10E2		
D905	8-719-987-63	DIODE	1N4148M		

Ref. No.	Part No.	Description	Remark
D906	8-719-987-63	DIODE	1N4148M
D907	8-719-987-63	DIODE	1N4148M
D908	8-719-987-63	DIODE	1N4148M
D909	8-719-987-63	DIODE	1N4148M
D911	8-719-987-63	DIODE	1N4148M
D912	8-719-987-63	DIODE	1N4148M
D915	8-719-010-28	DIODE	UZ-4.3BSA
D916	8-719-313-69	LED	SEL3210S-CD (KARAOKE PON)
D917	8-719-987-63	DIODE	1N4148M
D918	8-719-313-69	LED	SEL3210S-CD (PROGRAM FUNCTION)
D919	8-719-313-69	LED	SEL3210S-CD (EFFECT)
D921	8-719-313-69	LED	SEL3210S-CD (BASS SYNTH)
D923	8-719-313-69	LED	SEL3210S-CD (CD DIRECT)
D924	8-719-987-63	DIODE	1N4148M
D925	8-719-301-44	LED	SEL2410E-D (VIDEO 1)
D926	8-719-987-63	DIODE	1N4148M
D927	8-719-301-44	LED	SEL2410E-D (VISUAL INPUT)
D928	8-719-987-63	DIODE	1N4148M
D929	8-719-000-60	DIODE	UZL-6M2
D930	8-719-987-63	DIODE	1N4148M
D931	8-719-987-63	DIODE	1N4148M
D932	8-719-987-63	DIODE	1N4148M
D933	8-719-987-63	DIODE	1N4148M
D934	8-719-987-63	DIODE	1N4148M
D935	8-719-987-63	DIODE	1N4148M
D936	8-719-987-63	DIODE	1N4148M
D937	8-719-987-63	DIODE	1N4148M
D938	8-719-987-63	DIODE	1N4148M
D939	8-719-987-63	DIODE	1N4148M
D940	8-719-987-63	DIODE	1N4148M
D941	8-719-301-39	LED	SEL2210S-D (PHONO)
D942	8-719-301-39	LED	SEL2210S-D (TUNER)
D943	8-719-301-39	LED	SEL2210S-D (CD)
D944	8-719-301-39	LED	SEL2210S-D (TAPE)
D945	8-719-301-39	LED	SEL2210S-D (VIDEO 2)
D946	8-719-313-69	LED	SEL3210S-CD (EQ)
D947	8-719-313-69	LED	SEL3210S-CD (PERSONAL FILE 1-5)
D948	8-719-313-69	LED	SEL3210S-CD (SELECT 10)
D949	8-719-313-69	LED	SEL3210S-CD (MEMORY)
D950	8-719-301-39	LED	SEL2210S-D (DAT)
< FILTER >			
FL901	1-519-737-21	INDICATOR TUBE, FLUORESCENT	
< IC >			
IC603	8-759-634-50	IC	M5218AL
IC604	8-759-801-01	IC	LC4966
IC901	8-759-060-25	IC	uPD75208CW-B31
IC902	8-759-635-63	IC	M51943BSL

PANEL

Ref. No.	Part No.	Description	Remark
IC903	8-759-987-16	IC LM393P	
IC905	8-759-991-11	IC XR1091DCP	
IC906	8-759-822-27	IC LC7565K	
< COIL >			
L901	1-408-080-00	INDUCTOR 100uH	
L902	1-408-121-00	INDUCTOR 22uH	
L903	1-408-121-00	INDUCTOR 22uH	
< TRANSISTOR >			
Q601	8-729-224-62	TRANSISTOR 2SK246-GR	
Q602	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q603	8-729-900-63	TRANSISTOR DTA124ES	
Q604	8-729-900-63	TRANSISTOR DTA124ES	
Q605	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q606	8-729-900-80	TRANSISTOR DTC114ES	
Q651	8-729-224-62	TRANSISTOR 2SK246-GR	
Q652	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q901	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q902	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q903	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q904	8-729-900-80	TRANSISTOR DTC114ES	
Q905	8-729-900-80	TRANSISTOR DTC114ES	
Q906	8-729-900-80	TRANSISTOR DTC114ES	
Q907	8-729-900-80	TRANSISTOR DTC114ES	
Q908	8-729-900-80	TRANSISTOR DTC114ES	
Q909	8-729-900-80	TRANSISTOR DTC114ES	
Q910	8-729-900-80	TRANSISTOR DTC114ES	
Q911	8-729-900-80	TRANSISTOR DTC114ES	
Q912	8-729-900-80	TRANSISTOR DTC114ES	
Q913	8-729-900-80	TRANSISTOR DTC114ES	
Q914	8-729-900-80	TRANSISTOR DTC114ES	
Q915	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q916	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q917	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q918	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q919	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q920	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q921	8-729-900-80	TRANSISTOR DTC114ES	
Q922	8-729-900-80	TRANSISTOR DTC114ES	
Q923	8-729-900-80	TRANSISTOR DTC114ES	
Q924	8-729-900-63	TRANSISTOR DTA124ES	
< RESISTOR >			
R615	1-247-887-00	CARBON 220K 5% 1/4W	
R616	1-249-425-11	CARBON 4.7K 5% 1/4W	
R617	1-247-895-00	CARBON 470K 5% 1/4W	
R618	1-249-428-11	CARBON 8.2K 5% 1/4W	
R619	1-249-425-11	CARBON 4.7K 5% 1/4W	

Ref. No.	Part No.	Description	Remark
R620	1-249-405-11	CARBON 100 5% 1/4W	
R621	1-249-417-11	CARBON 1K 5% 1/4W	
R622	1-249-429-11	CARBON 10K 5% 1/4W	
R623	1-249-441-11	CARBON 100K 5% 1/4W	
R624	1-249-435-11	CARBON 33K 5% 1/4W	
R625	1-249-426-11	CARBON 5.6K 5% 1/4W	
R626	1-249-428-11	CARBON 8.2K 5% 1/4W	
R627	1-249-433-11	CARBON 22K 5% 1/4W	
R628	1-249-441-11	CARBON 100K 5% 1/4W	
R640	1-249-433-11	CARBON 22K 5% 1/4W	
R642	1-249-425-11	CARBON 4.7K 5% 1/4W	
R650	1-249-417-11	CARBON 1K 5% 1/4W	
R665	1-247-887-00	CARBON 220K 5% 1/4W	
R666	1-249-425-11	CARBON 4.7K 5% 1/4W	
R667	1-247-895-00	CARBON 470K 5% 1/4W	
R668	1-249-428-11	CARBON 8.2K 5% 1/4W	
R669	1-249-425-11	CARBON 4.7K 5% 1/4W	
R670	1-249-405-11	CARBON 100 5% 1/4W	
R671	1-249-417-11	CARBON 1K 5% 1/4W	
R674	1-249-435-11	CARBON 33K 5% 1/4W	
R675	1-249-426-11	CARBON 5.6K 5% 1/4W	
R676	1-249-428-11	CARBON 8.2K 5% 1/4W	
R692	1-249-425-11	CARBON 4.7K 5% 1/4W	
R901	1-249-429-11	CARBON 10K 5% 1/4W	
R902	1-249-433-11	CARBON 22K 5% 1/4W	
R903	1-249-433-11	CARBON 22K 5% 1/4W	
R904	1-249-433-11	CARBON 22K 5% 1/4W	
R905	1-249-441-11	CARBON 100K 5% 1/4W	
R906	1-249-417-11	CARBON 1K 5% 1/4W	
R907	1-249-441-11	CARBON 100K 5% 1/4W	
R908	1-249-428-11	CARBON 8.2K 5% 1/4W	
R909	1-249-428-11	CARBON 8.2K 5% 1/4W	
R910	1-249-417-11	CARBON 1K 5% 1/4W	
R911	1-249-425-11	CARBON 4.7K 5% 1/4W	
R912	1-249-425-11	CARBON 4.7K 5% 1/4W	
R913	1-249-425-11	CARBON 4.7K 5% 1/4W	
R915	1-249-429-11	CARBON 10K 5% 1/4W	
R916	1-249-429-11	CARBON 10K 5% 1/4W	
R917	1-249-429-11	CARBON 10K 5% 1/4W	
R918	1-249-433-11	CARBON 22K 5% 1/4W	
R919	1-249-441-11	CARBON 100K 5% 1/4W	
R920	1-249-441-11	CARBON 100K 5% 1/4W	
R921	1-249-441-11	CARBON 100K 5% 1/4W	
R922	1-249-441-11	CARBON 100K 5% 1/4W	
R923	1-249-417-11	CARBON 1K 5% 1/4W	
R924	1-249-417-11	CARBON 1K 5% 1/4W	
R925	1-249-417-11	CARBON 1K 5% 1/4W	
R926	1-249-417-11	CARBON 1K 5% 1/4W	
R927	1-249-417-11	CARBON 1K 5% 1/4W	

PANEL

PIN JACK

Ref. No.	Part No.	Description	Remark		
R928	1-249-417-11	CARBON	1K	5%	1/4W
R929	1-249-417-11	CARBON	1K	5%	1/4W
R930	1-249-441-11	CARBON	100K	5%	1/4W
R931	1-249-441-11	CARBON	100K	5%	1/4W
R932	1-249-441-11	CARBON	100K	5%	1/4W
R933	1-249-417-11	CARBON	1K	5%	1/4W
R934	1-249-417-11	CARBON	1K	5%	1/4W
R935	1-249-417-11	CARBON	1K	5%	1/4W
R936	1-249-417-11	CARBON	1K	5%	1/4W
R937	1-249-433-11	CARBON	22K	5%	1/4W
R938	1-249-433-11	CARBON	22K	5%	1/4W
R939	1-249-405-11	CARBON	100	5%	1/4W
R940	1-249-439-11	CARBON	68K	5%	1/4W
R941	1-249-441-11	CARBON	100K	5%	1/4W
R942	1-249-441-11	CARBON	100K	5%	1/4W
R943	1-249-441-11	CARBON	100K	5%	1/4W
R944	1-249-412-11	CARBON	390	5%	1/4W
R945	1-249-413-11	CARBON	470	5%	1/4W
R946	1-249-411-11	CARBON	330	5%	1/4W
R947	1-249-411-11	CARBON	330	5%	1/4W
R948	1-249-411-11	CARBON	330	5%	1/4W
R949	1-249-413-11	CARBON	470	5%	1/4W
R950	1-249-410-11	CARBON	270	5%	1/4W
R951	1-249-411-11	CARBON	330	5%	1/4W
R952	1-249-393-11	CARBON	10	5%	1/4W
R953	1-249-419-11	CARBON	1.5K	5%	1/4W
R954	1-249-441-11	CARBON	100K	5%	1/4W
R955	1-249-409-11	CARBON	220	5%	1/4W
R956	1-247-891-00	CARBON	330K	5%	1/4W
R957	1-249-432-11	CARBON	18K	5%	1/4W
R958	1-247-891-00	CARBON	330K	5%	1/4W
R961	1-249-441-11	CARBON	100K	5%	1/4W
R962	1-249-441-11	CARBON	100K	5%	1/4W
R963	1-249-441-11	CARBON	100K	5%	1/4W
R964	1-249-441-11	CARBON	100K	5%	1/4W
R965	1-249-441-11	CARBON	100K	5%	1/4W
R966	1-249-396-11	CARBON	18	5%	1/6W
R967	1-249-396-11	CARBON	18	5%	1/6W
R968	1-249-396-11	CARBON	18	5%	1/6W
R969	1-249-396-11	CARBON	18	5%	1/6W
R970	1-249-396-11	CARBON	18	5%	1/6W

< VARIABLE RESISTOR >

RV601	1-241-879-11	RES. VAR. CARBON 20K (BASS SYNTHESIZER LEVEL)
RV602	1-238-459-11	RES. VAR. CARBON 100K (BALANCE)

Ref. No.	Part No.	Description	Remark		
< SWITCH >					
S901	1-554-303-21	SWITCH, TACTILE (PROGRAM FUNCTION)			
S902	1-554-303-21	SWITCH, TACTILE (EQ)			
S903	1-554-303-21	SWITCH, TACTILE (PHONO)			
S904	1-554-303-21	SWITCH, TACTILE (▼)			
S905	1-554-303-21	SWITCH, TACTILE (►)			
S906	1-554-303-21	SWITCH, TACTILE (PERSONAL FILE 1-5)			
S907	1-554-303-21	SWITCH, TACTILE (TUNER)			
S908	1-554-303-21	SWITCH, TACTILE (SURROUND LEVEL)			
S909	1-554-303-21	SWITCH, TACTILE (CD DIRECT)			
S910	1-554-303-21	SWITCH, TACTILE (SELECT 10)			
S911	1-554-303-21	SWITCH, TACTILE (CD)			
S912	1-554-303-21	SWITCH, TACTILE (SURROUND MODE)			
S913	1-554-303-21	SWITCH, TACTILE (TAPE)			
S914	1-554-303-21	SWITCH, TACTILE (◀)			
S915	1-554-303-21	SWITCH, TACTILE (REVERSE)			
S916	1-554-303-21	SWITCH, TACTILE (MEMORY)			
S917	1-554-303-21	SWITCH, TACTILE (FLAT)			
S918	1-554-303-21	SWITCH, TACTILE (▲)			
S919	1-554-303-21	SWITCH, TACTILE (VIDEO 2)			
S920	1-554-303-21	SWITCH, TACTILE (VIDEO 1)			
S921	1-554-303-21	SWITCH, TACTILE (DISPLAY)			
S922	1-554-303-21	SWITCH, TACTILE (EFFECT)			
S923	1-554-303-21	SWITCH, TACTILE (BASS SYNTH)			
S924	1-554-303-21	SWITCH, TACTILE (KARAOKE PON)			

*	A-4347-264-A PIN JACK BOARD, COMPLETE				

< CAPACITOR >					
C102	1-126-161-11	ELECT	2.2uF	20%	50V
C103	1-162-282-31	CERAMIC	100PF	10%	50V
C104	1-162-219-31	CERAMIC	68PF	5%	50V
C105	1-126-022-11	ELECT	47uF	20%	10V
C106	1-130-480-00	MYLAR	0.0056uF	5%	50V
C107	1-106-347-00	MYLAR	1500PF	5%	200V
C108	1-124-464-11	ELECT	0.22uF	20%	50V
C109	1-124-034-51	ELECT	33uF	20%	16V
C111	1-126-233-11	ELECT	22uF	20%	50V
C113	1-126-233-11	ELECT	22uF	20%	50V
C116	1-126-233-11	ELECT	22uF	20%	50V
C117	1-124-034-51	ELECT	33uF	20%	16V
C118	1-124-034-51	ELECT	33uF	20%	16V
C152	1-126-161-11	ELECT	2.2uF	20%	50V
C153	1-162-282-31	CERAMIC	100PF	10%	50V
C154	1-162-219-31	CERAMIC	68PF	5%	50V
C155	1-126-022-11	ELECT	47uF	20%	10V
C156	1-130-480-00	MYLAR	0.0056uF	5%	50V

PIN JACK

Ref. No.	Part No.	Description	Remark
C157	1-106-347-00	MYLAR 1500PF 5% 200V	
C158	1-124-464-11	ELECT 0.22uF 20% 50V	
C159	1-124-034-51	ELECT 33uF 20% 16V	
C161	1-126-233-11	ELECT 22uF 20% 50V	
C163	1-126-233-11	ELECT 22uF 20% 50V	
C166	1-126-233-11	ELECT 22uF 20% 50V	
C167	1-124-034-51	ELECT 33uF 20% 16V	
C168	1-124-034-51	ELECT 33uF 20% 16V	
C201	1-126-059-11	ELECT 10uF 20% 50V	
C202	1-124-471-00	ELECT 1000uF 20% 6.3V	
C203	1-126-059-11	ELECT 10uF 20% 50V	
C204	1-124-471-00	ELECT 1000uF 20% 6.3V	
C205	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C206	1-124-997-11	ELECT 470uF 20% 10V	

< CONNECTOR >

* CN101	1-568-320-11	PLUG, CONNECTOR 8P
* CN102	1-568-320-11	PLUG, CONNECTOR 8P

< DIODE >

D101	8-719-987-63	DIODE 1N4148M
D102	8-719-987-63	DIODE 1N4148M
D201	8-719-987-63	DIODE 1N4148M

< IC >

IC101	8-759-636-73	IC M5218AL-22
IC102	8-759-000-48	IC MC14052BCP
IC103	8-759-000-49	IC MC14066BCP
IC201	8-759-514-76	IC MM1031XS

< JACK >

* J101	1-569-812-11	JACK, PIN 6P (PHONO/CD/VIDEO 2)
J102	1-565-304-11	JACK, PIN 4P (VIDEO 1 IN/OUT)
J201	1-565-934-11	JACK, PIN 2P (VIDEO 2 IN/1 OUT)
J202	1-565-934-11	JACK, PIN 2P (VIDEO 1/DAT IN /MONITOR OUT)

< COIL >

L201	1-408-080-00	INDUCTOR 100uH
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< TRANSISTOR >

Q101	8-729-900-63	TRANSISTOR DTA124ES
Q201	8-729-119-77	TRANSISTOR 2SA1175-FEK
Q202	8-729-900-63	TRANSISTOR DTA124ES
Q203	8-729-119-77	TRANSISTOR 2SA1175-FEK
Q204	8-729-900-80	TRANSISTOR DTC114ES
Q205	8-729-620-05	TRANSISTOR 2SC2603-EF
Q206	8-729-900-63	TRANSISTOR DTA124ES

Ref. No.	Part No.	Description	Remark
< RESISTOR >			
R101	1-249-417-11	CARBON 1K 5% 1/4W	
R102	1-249-441-11	CARBON 100K 5% 1/4W	
R103	1-249-417-11	CARBON 1K 5% 1/4W	
R104	1-249-441-11	CARBON 100K 5% 1/4W	
R105	1-249-416-11	CARBON 820 5% 1/4W	
R106	1-247-897-11	CARBON 560K 5% 1/4W	
R107	1-249-437-11	CARBON 47K 5% 1/4W	
R108	1-249-417-11	CARBON 1K 5% 1/4W	
R109	1-249-441-11	CARBON 100K 5% 1/4W	
R110	1-249-405-11	CARBON 100 5% 1/4W	
R111	1-249-405-11	CARBON 100 5% 1/4W	
R112	1-249-423-11	CARBON 3.3K 5% 1/4W	
R113	1-249-429-11	CARBON 10K 5% 1/4W	
R114	1-249-417-11	CARBON 1K 5% 1/4W	
R115	1-247-903-00	CARBON 1M 5% 1/4W	
R116	1-249-413-11	CARBON 470 5% 1/4W	
R117	1-247-903-00	CARBON 1M 5% 1/4W	
R118	1-249-417-11	CARBON 1K 5% 1/4W	
R119	1-247-903-00	CARBON 1M 5% 1/4W	
R120	1-249-405-11	CARBON 100 5% 1/4W	
R121	1-249-405-11	CARBON 100 5% 1/4W	
R122	1-249-417-11	CARBON 1K 5% 1/4W	
R123	1-249-417-11	CARBON 1K 5% 1/4W	
R124	1-249-417-11	CARBON 1K 5% 1/4W	
R125	1-249-417-11	CARBON 1K 5% 1/4W	
R126	1-249-433-11	CARBON 22K 5% 1/4W	
R151	1-249-417-11	CARBON 1K 5% 1/4W	
R152	1-249-441-11	CARBON 100K 5% 1/4W	
R153	1-249-417-11	CARBON 1K 5% 1/4W	
R154	1-249-441-11	CARBON 100K 5% 1/4W	
R155	1-249-416-11	CARBON 820 5% 1/4W	
R156	1-247-897-11	CARBON 560K 5% 1/4W	
R157	1-249-437-11	CARBON 47K 5% 1/4W	
R158	1-249-417-11	CARBON 1K 5% 1/4W	
R159	1-249-441-11	CARBON 100K 5% 1/4W	
R160	1-249-405-11	CARBON 100 5% 1/4W	
R161	1-249-405-11	CARBON 100 5% 1/4W	
R162	1-249-423-11	CARBON 3.3K 5% 1/4W	
R163	1-249-429-11	CARBON 10K 5% 1/4W	
R164	1-249-417-11	CARBON 1K 5% 1/4W	
R165	1-247-903-00	CARBON 1M 5% 1/4W	
R166	1-249-413-11	CARBON 470 5% 1/4W	
R167	1-247-903-00	CARBON 1M 5% 1/4W	
R168	1-249-417-11	CARBON 1K 5% 1/4W	
R169	1-247-903-00	CARBON 1M 5% 1/4W	
R170	1-249-405-11	CARBON 100 5% 1/4W	
R171	1-249-405-11	CARBON 100 5% 1/4W	

PIN JACK

VOL

Ref. No.	Part No.	Description	Remark		
R201	1-247-804-11	CARBON	75	5%	1/4W
R202	1-249-403-11	CARBON	68	5%	1/4W
R203	1-249-429-11	CARBON	10K	5%	1/4W
R204	1-247-804-11	CARBON	75	5%	1/4W
R205	1-249-403-11	CARBON	68	5%	1/4W
R206	1-249-429-11	CARBON	10K	5%	1/4W
R207	1-249-408-11	CARBON	180	5%	1/4W
R208	1-249-408-11	CARBON	180	5%	1/4W
R209	1-249-408-11	CARBON	180	5%	1/4W
R210	1-249-433-11	CARBON	22K	5%	1/4W
R211	1-249-426-11	CARBON	5.6K	5%	1/4W
R212	1-249-433-11	CARBON	22K	5%	1/4W
R213	1-249-408-11	CARBON	180	5%	1/4W
R214	1-249-417-11	CARBON	1K	5%	1/4W

* 1-643-547-11 VOL BOARD

< CAPACITOR >

C628	1-136-165-00	FILM	0.1uF	5%	50V
C916	1-124-443-00	ELECT	100uF	20%	10V
C917	1-124-472-11	ELECT	470uF	20%	10V
C935	1-124-443-00	ELECT	100uF	20%	10V

< CONNECTOR >

* CN605 1-564-506-11 PLUG, CONNECTOR 3P
 CN607 1-568-321-11 SOCKET, CONNECTOR 10P

< DIODE >

D910	8-719-010-32	DIODE	UZ-4.7BSA
D913	8-719-200-02	DIODE	10E2
D914	8-719-200-02	DIODE	10E2

< IC >

IC904	8-759-820-62	IC	LB1639
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< RESISTOR >

R914	1-249-405-11	CARBON	100	5%	1/4W
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< VARIABLE RESISTOR >

RV603 1-238-708-21 RES, VAR, CARBON 10K/100K/100K (VOLUME)

MISCELLANEOUS

14	1-690-095-11	WIRE, FLAT TYPE (15 CORE)
△ 58	1-575-651-11	CORD, POWER (EA)
△ 58	1-575-656-11	CORD, POWER (E)

Ref. No.	Part No.	Description	Remark
△ 58	1-690-056-11	CORD, POWER (AUS)	
△ F1	1-532-259-00	FUSE (T1.6A)	
△ F2	1-532-259-00	FUSE (T1.6A)	
△ F801	1-532-203-00	FUSE (T2.0A)	
△ F802	1-532-203-00	FUSE (T2.0A)	
△ T901	1-450-871-11	TRANSFORMER, POWER	

ACCESSORIES & PACKING MATERIALS

3-703-710-41 STICKER, SONY SYMBOL (12)

4-920-940-01 SHEET (A), PROTECTION

* 4-934-859-01 CUSHION

HARDWARE LIST

#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S
#2	7-621-773-93	SCREW (PANEL 2.6 TP2)
#3	7-682-548-04	SCREW +BVTT 3X8 (S)
#4	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3
#5	7-682-560-04	SCREW +BVTT 4X6 (S)
#6	7-621-849-00	SCREW (BV/RING)

