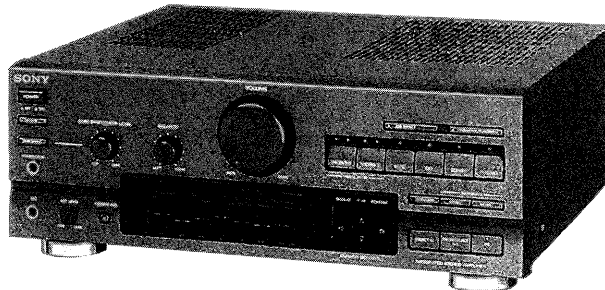


TA-D607

SERVICE MANUAL

*AEP Model
UK Model*



This set is the amplifier section in LBT-D607/607CD.

SPECIFICATIONS

Continuous RMS power output

70 W + 70 W
(6 ohms, at 1 kHz, 5% THD)
60 W + 60 W
(6 ohms, DIN, 1 kHz)

Music power output

110 W + 110 W
(6 ohms, at 1 kHz, 10% THD)

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
VIDEO1/DAT	Phono	200 mV	2 kohms
SURROUND SPEAKER	Phono	Accepts speakers of 16 ohms	
HEADPHONES	Stereophone	Accepts headphones of 8 ohms or more	

Video output (phono jack)

VIDEO1/DAT

1 Vp-p, 75Ω unbalanced,
sync negative

MONITOR

1 Vp-p, 75Ω unbalanced,
sync negative

Frequency response

15 Hz to 50 kHz $+0$ -3 dB

Power requirements

240 V AC, 50/60 Hz

Power consumption

400 W

Weight

Approx. 6.5 kg (14 lbs 5 oz)

Dimensions

Approx. 355 x 132 x 320 mm
(14 x 5 $\frac{1}{4}$ x 12 $\frac{3}{8}$ inches)
(w/h/d, including projections)

Design and specifications are subject to change without notice.

Note

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



使用時は添付資料も参照のこと
Refer to the additional documents.

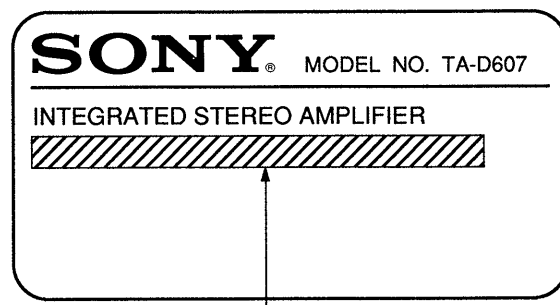
INTEGRATED STEREO AMPLIFIER
SONY®

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MODEL IDENTIFICATION

— Model Number Portion —



AEP model : AC : 220—230V ~ 50/60Hz

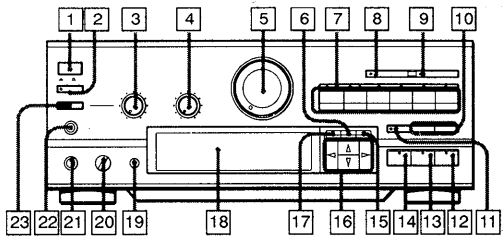
UK model : AC : 240V ~ 50/60Hz

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

Location of Controls

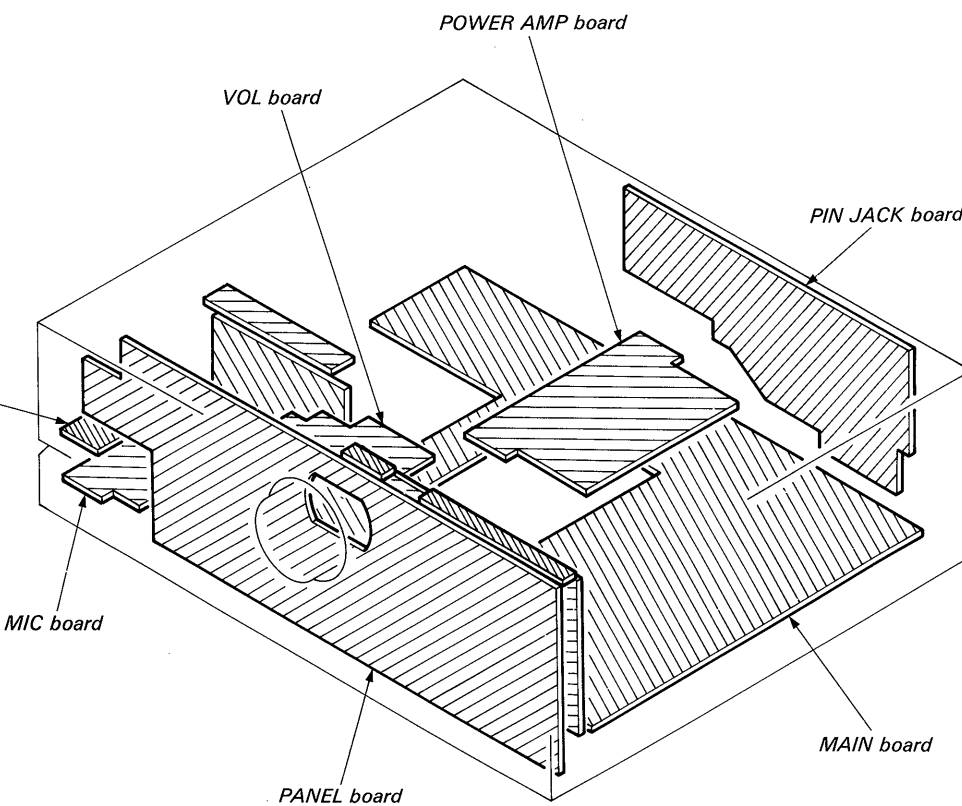


- 1 POWER switch (8)
- 2 EFFECT button and indicator (39)
- 3 BASS SYNTHESIZER LEVEL control (9)
- 4 BALANCE control (9)
- 5 VOLUME button and indicator (9)
- 6 FLAT button (39)
- 7 Function selectors and indicators (9)
- 8 CD DIRECT button and indicator (9)
- 9 PROGRAM FUNCTION button and indicator (64)
- 10 SURROUND MODE and SURROUND LEVEL buttons (35)
- 11 MEMORY button and indicator (38)
- 12 EQ button and indicator (37)
- 13 PERSONAL FILE 1 - 5 button and indicator (38)
- 14 SELECT 10 button and indicator (36)
- 15 REVERSE button (39)
- 16 CURSOR CONTROL buttons (36, 37, 38)
- 17 DISPLAY button (39)
- 18 Display window
- 19 VOCAL REDUCTION button
- 20 MIC (microphone) LEVEL control (32)
- 21 MIC (microphone) jack (32)
- 22 HEADPHONES jack
- 23 BASS SYNTHESIZER button and indicator (9)

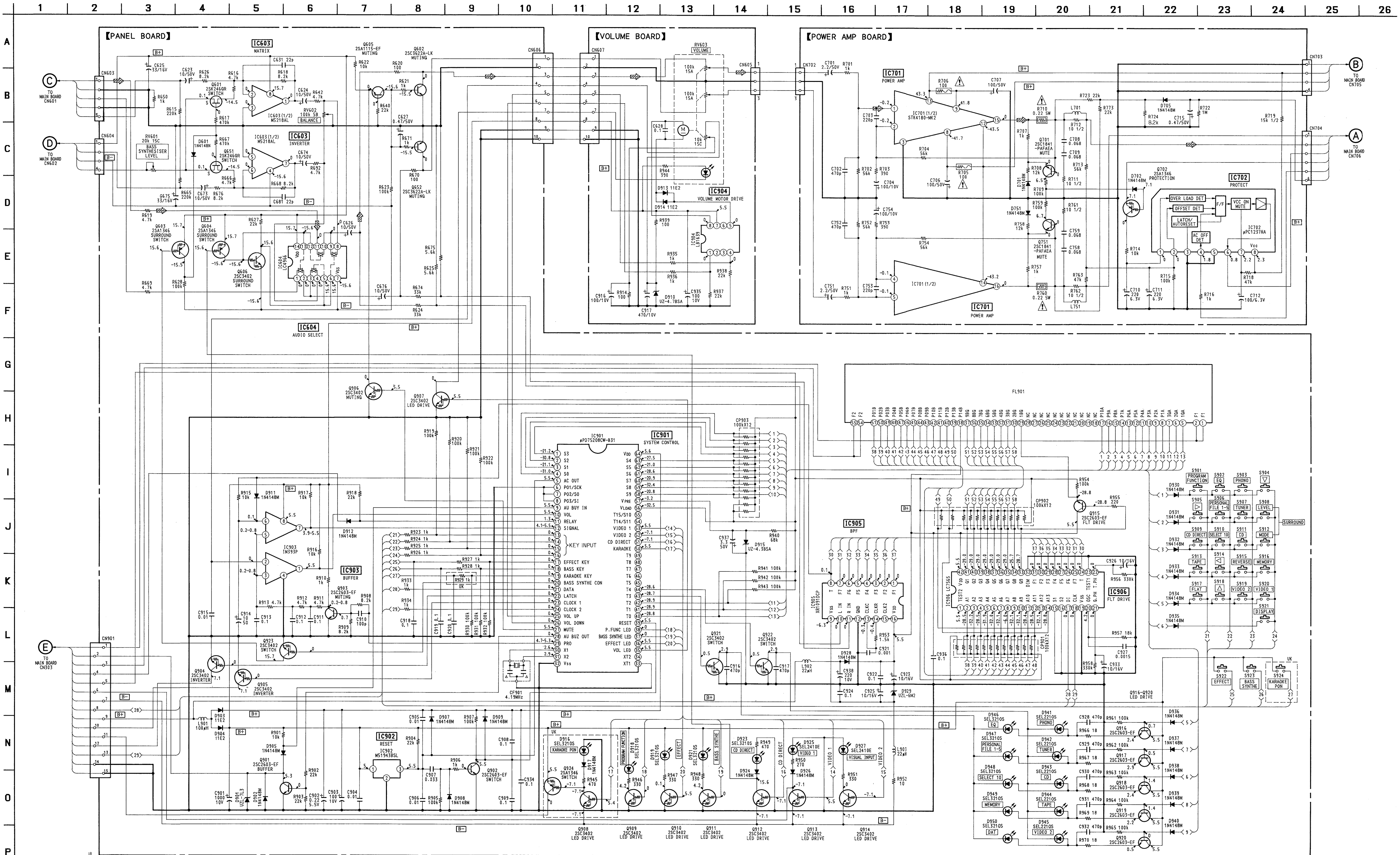
This section is extracted from instruction manual.

SECTION 2 DIAGRAMS

2-1. CIRCUIT BOARDS LOCATION



2-2. SCHEMATIC DIAGRAMS - PANEL Section -



Note:

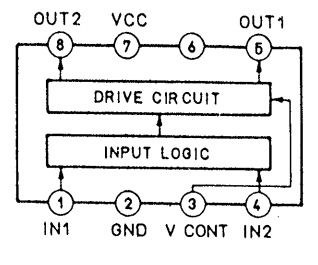
- All capacitors are in μF unless otherwise noted. pF: μF 500V or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{2}W$ or less unless otherwise specified.
- $\triangle$: internal component.
- $\square$: nonflammable resistor.
- $\square$: fusible resistor.
- $\square$: printed resistor.

- $\square$: B+ Line
- $\square$: B- Line
- $\square$: adjustment for repair.
- $\square$: 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.

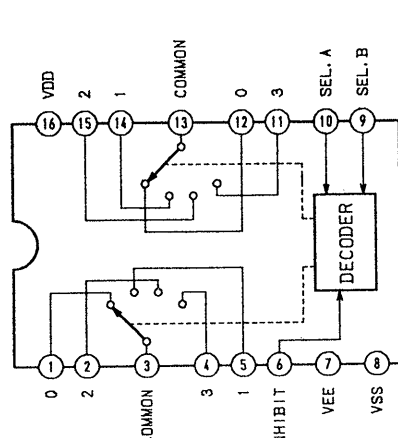
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input impedance 10M Ω).
- Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- $\square$: CD

IC Block Diagrams

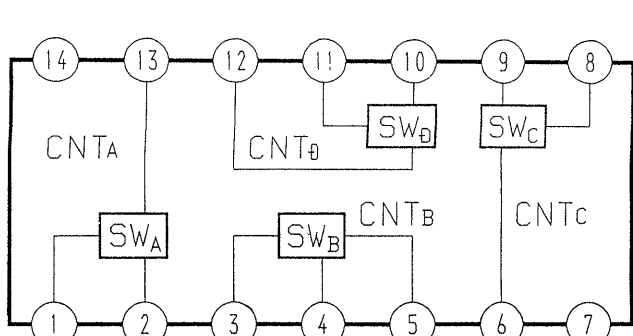
IC904 LB1639



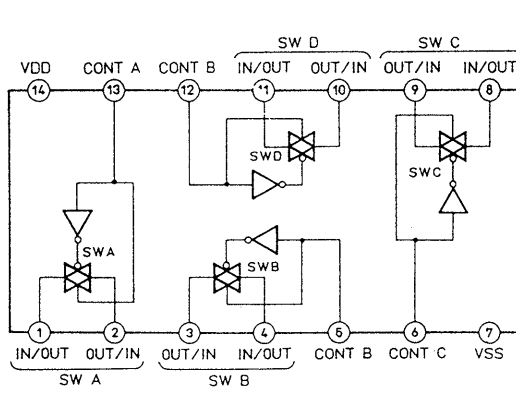
IC102 MC14052BCP



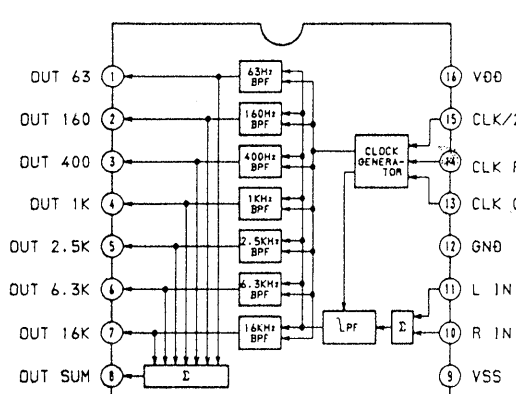
IC103 μ MC14066BCP



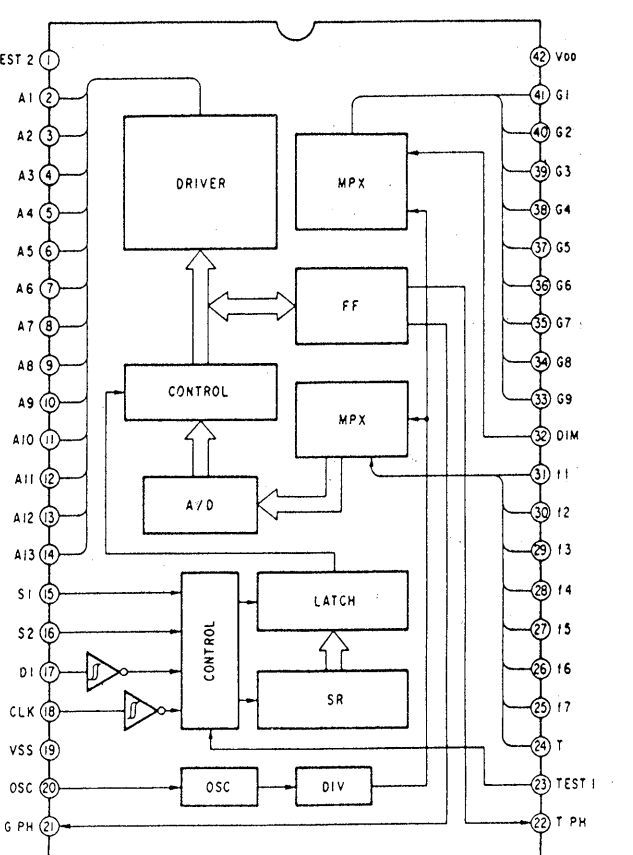
IC604 LC4966

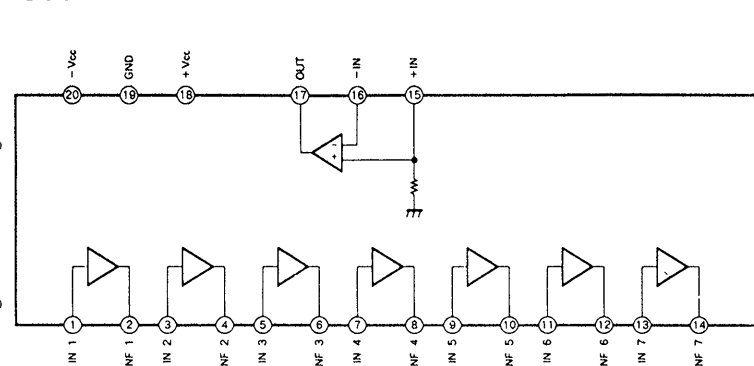
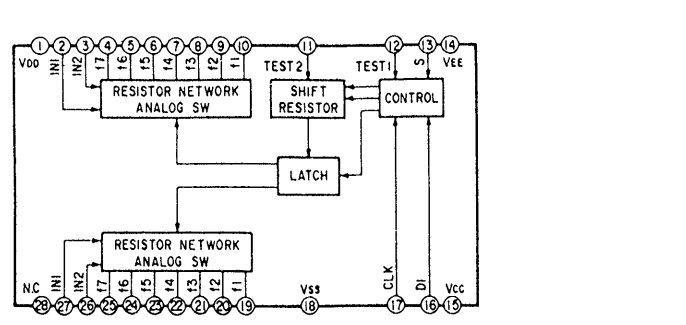
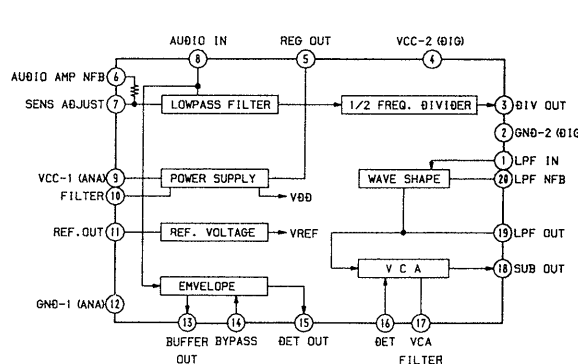
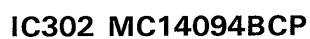


IC905 XR1091DCP



IC906 LC7565K



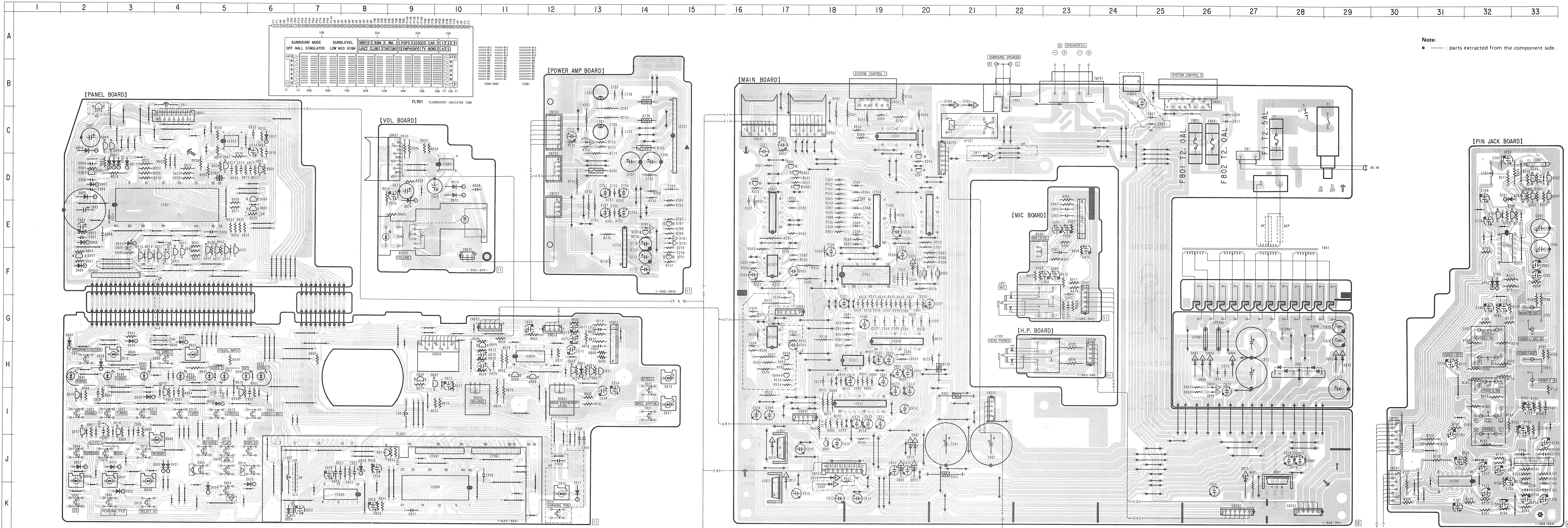


- All capacitors are in μF unless otherwise noted, pF : μF : 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- $\triangle$: internal component.
-  : nonflammable resistor.
-  : fusible resistor.
-  : printed resistor.
-  : B+ Line
-  : B- Line
-  : adjustment for repair.
- * : selected to yield optimum performance.
- AC voltage readings in the bias oscillator with a VTM.
- 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 $10\text{M}\Omega$)
- Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
-  : CD

● Semiconductor Location

2-4. PRINTED WIRING BOARDS • See page 3 for Circuit boards location. • See page 18 for Semiconductor lead layouts.

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	F-32	D928	K-6	Q206	E-33
D102	F-32	D929	J-8	Q301	D-20
D201	D-32	D930	G-2	Q302	C-20
D401	F-20	D931	J-2	Q303	F-20
D502	J-18	D932	K-3	Q304	F-20
D601	H-13	D933	J-3	Q501	D-17
D701	E-15	D934	J-5	Q502	D-17
D702	E-14	D935	K-5	Q503	D-18
D703	B-21	D936	H-2	Q504	H-17
D704	B-21	D937	J-4	Q505	D-16
D705	C-13	D938	J-4	Q554	H-17
D751	E-15	D939	I-3	Q601	H-13
D801	H-28	D940	I-5	Q602	H-10
D802	J-20	D941	H-2	Q603	H-11
D803	J-19	D942	H-3	Q604	H-11
D804	H-26	D943	H-3	Q605	G-11
D805	H-26	D944	H-4	Q606	H-11
D806	H-27	D945	H-5	Q607	J-18
D807	H-26	D946	J-2	Q651	H-13
D808	H-26	D947	J-3	Q652	H-9
D809	H-26	D948	J-3	Q701	E-15
D810	J-17	D949	J-4	Q702	E-14
D811	J-17	D950	H-5	Q751	F-15
D812	H-29			Q801	J-28
D813	H-29	IC101	J-33	Q901	D-5
D814	J-28	IC102	J-31	Q902	F-2
D815	J-27	IC103	E-32	Q903	D-6
D816	J-18	IC201	D-33	Q904	C-2
D817	C-21	IC301	C-19	Q905	C-3
D818	J-20	IC302	E-20	Q906	D-6
D819	J-20	IC401	E-23	Q907	F-5
D901	D-3	IC501	F-17	Q908	F-4
D902	D-3	IC502	E-17	Q909	E-5
D903	D-2	IC503	F-19	Q910	E-5
D904	C-2	IC504	G-19	Q911	E-5
D905	D-3	IC505	G-17	Q912	F-4
		IC554	E-19	Q913	F-3
		IC601	H-18	Q914	F-3
D907	D-2	IC602	I-19	Q915	J-8
D908	E-2	IC603	H-13	Q916	I-2
D909	D-2	IC604	H-12	Q917	I-2
D910	D-9	IC701	C-15	Q918	I-3
D911	C-6	IC702	E-14	Q919	I-4
D912	D-3	IC801	J-17	Q920	J-5
D913	D-10	IC802	J-17	Q921	F-4
D914	D-10	IC901	D-4	Q922	F-4
D915	E-5	IC902	D-2	Q923	E-6
D916	K-12	IC903	C-5	Q924	B-2
D917	K-13	IC904	C-9		
D918	H-3	IC905	K-8		
D919	H-15	IC906	J-10		
D921	I-15				
D923	H-4				
D924	G-4	Q101	E-32		
D925	H-6	Q201	D-33		
D926	G-3	Q202	D-33		
D927	H-5	Q203	D-33		
		Q204	D-33		
		Q205	D-33		

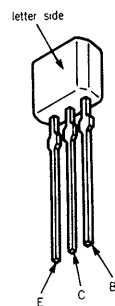


2-5. SEMICONDUCTOR LEAD LAYOUTS

M51943BSL



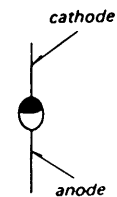
2SA1175-FEK
2SA1175-HFE
DTA124ES



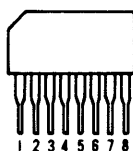
DTC114ES



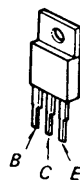
UZ-4.3BSA



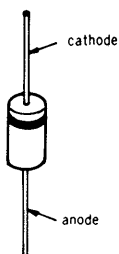
M5218AL
M5218AL-22



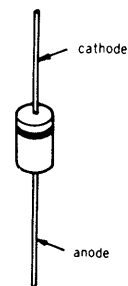
2SB1094-LK



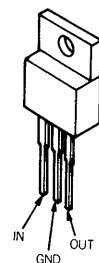
10E2
10E2N



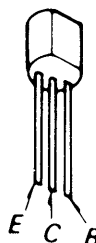
UZP-6.2B-TP



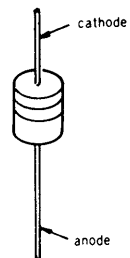
M5F7807
M5F7907



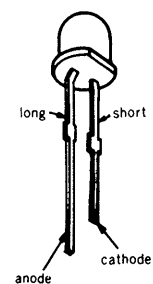
2SC1841-PAFAEA



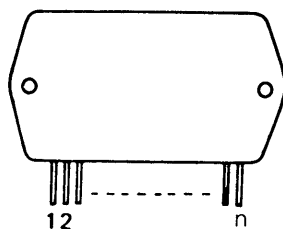
HZS30-2L
UZ-4.7BSA
UZL-15L



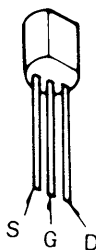
SEL-2210S



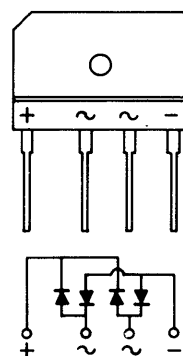
STK4180-MK2



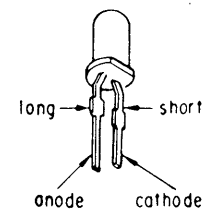
2SK246GR



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:

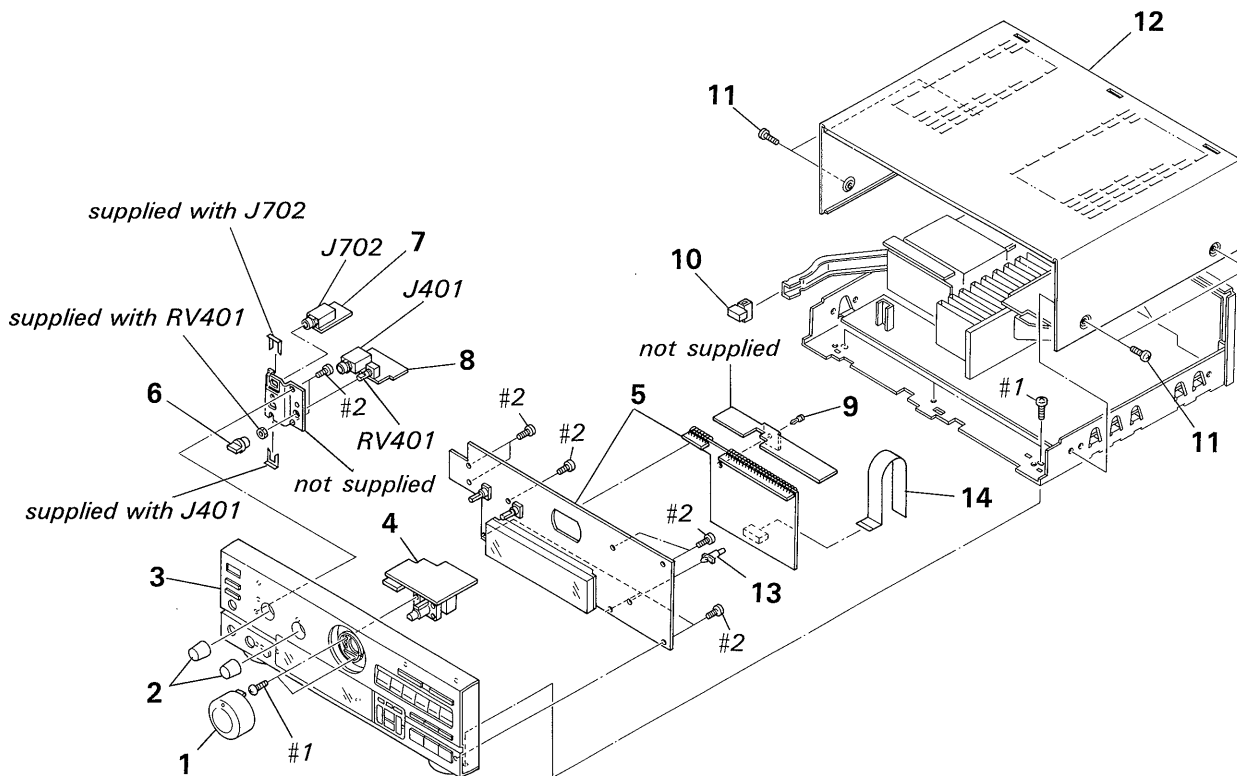
KNOB, BALANCE(WHITE)...(RED)

↑
↑
 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.

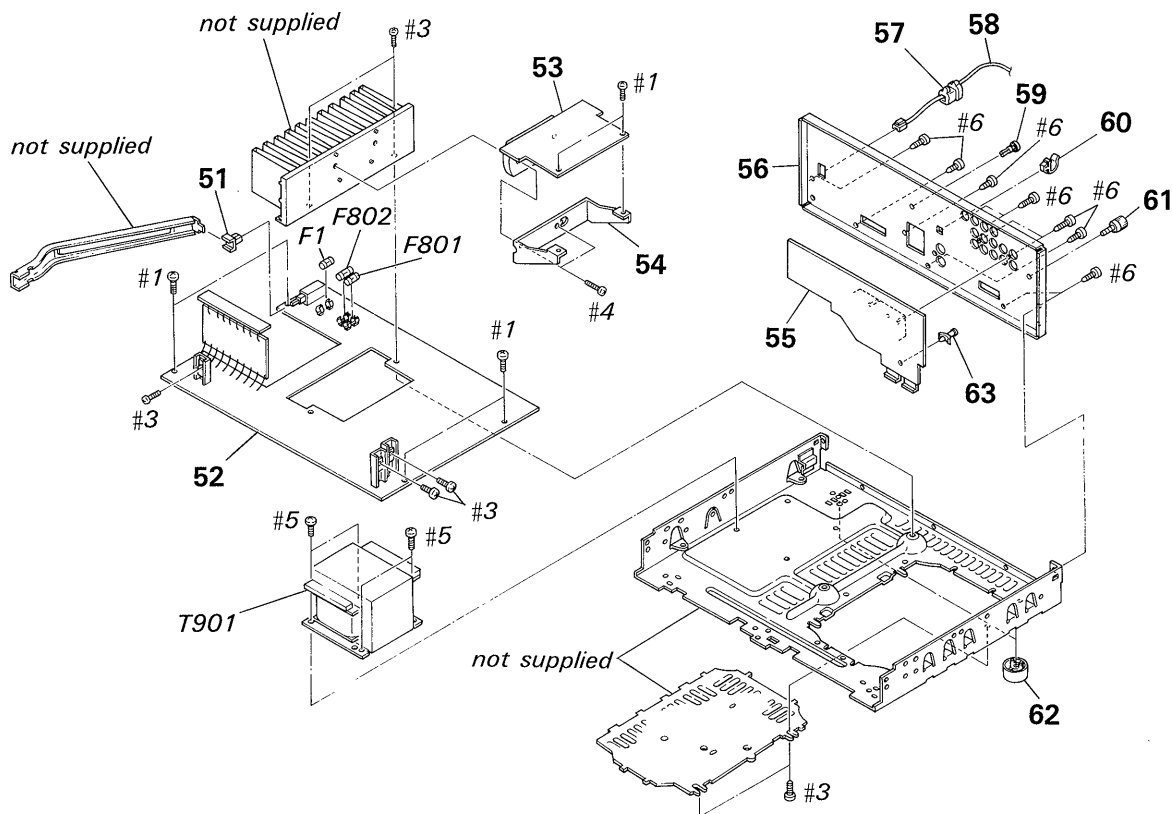
3-1. CABINET SECTION



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-4942-414-1	PANEL ASSY, FRONT (AEP)	
3	X-4942-421-1	PANEL ASSY, FRONT (UK)	
* 4	1-643-547-11	VOL BOARD	
* 5	A-4347-262-A	PANEL BOARD, COMPLETE (UK)	
* 5	A-4347-263-A	PANEL BOARD, COMPLETE (AEP)	
6	4-950-652-11	KNOB (DIA. 12), ROUND	
* 7	1-643-546-11	H. P. BOARD	
* 8	1-643-545-11	MIC BOARD	

Ref. No.	Part No.	Description	Remark
9	4-812-134-11	RIVET NYLON, 3. 5	
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 (HEADPHONE)	
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-4347-253-A	MAIN BOARD, COMPLETE (AEP)	
* 52	A-4347-254-A	MAIN BOARD, COMPLETE (UK)	
* 53	A-4347-259-A	POWER AMP BOARD, COMPLETE	
* 54	4-943-903-01	BRACKET	
* 55	A-4347-264-A	PIN JACK BOARD, COMPLETE	
* 56	4-950-653-01	PANEL (B3120), BACK (AEP)	
* 56	4-950-653-21	PANEL (B3120), BACK (UK)	
* 57	3-703-244-00	BUSHING (2104), CORD	
⚠ 58	1-575-654-11	CORD, POWER (AEP)	

Ref. No.	Part No.	Description	Remark
⚠ 58	1-575-669-21	CORD, POWER (UK)	
* 59	4-912-181-21	SUPPORT, PC	
* 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	
⚠ F1	1-532-286-00	FUSE (T1.6A)	
⚠ F801	1-532-203-00	FUSE (T2.0A)	
⚠ F802	1-532-203-00	FUSE (T2.0A)	
⚠ T901	1-450-872-11	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

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, μ : μ , for example:
 $\mu A...$: $\mu A...$, $\mu PA...$: $\mu PA...$,
 $\mu PB...$: $\mu PB...$, $\mu PC...$: $\mu PC...$,
 $\mu PD...$: $\mu PD...$
- CAPACITORS
 μF : μF
- COILS
 μH : μH

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.

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 (HEADPHONE)	
		< RESISTOR >	
R725	1-244-867-91	CARBON 560 5% 1/2W	
R775	1-244-867-91	CARBON 560 5% 1/2W	

*	A-4347-253-A	MAIN BOARD, COMPLETE (AEP)	
*	A-4347-254-A	MAIN BOARD, COMPLETE (UK)	

*	A-4347-259-A	POWER AMP BOARD, COMPLETE	

*	1-533-213-31	HOLDER, FUSE	
*	3-309-144-21	HEAT SINK	
*	4-941-237-01	HEAT SINK	
*	4-942-204-01	PLATE, GROUND	
	7-682-548-04	SCREW +BVTT 3X8 (S)	
		< CAPACITOR >	
Δ C1	1-161-744-00	CERAMIC 0.01 μF 400V	
C302	1-162-306-11	CERAMIC 0.01 μF 20% 16V	
C501	1-126-059-11	ELECT 10 μF 20% 50V	
C502	1-130-470-00	MYLAR 820PF 5% 50V	
C503	1-126-163-11	ELECT 4.7 μF 20% 50V	
C504	1-124-034-51	ELECT 33 μF 20% 16V	
C505	1-162-286-31	CERAMIC 220PF 10% 50V	
C506	1-126-163-11	ELECT 4.7 μF 20% 50V	
C507	1-136-175-00	FILM 0.68 μF 5% 50V	
C508	1-136-166-00	FILM 0.12 μF 5% 50V	
C509	1-136-171-00	FILM 0.33 μF 5% 50V	
C510	1-136-160-00	FILM 0.039 μF 5% 50V	
C511	1-130-477-00	MYLAR 0.0033 μF 5% 50V	

Ref. No.	Part No.	Description	Remark
C512	1-164-080-11	CERAMIC 390PF 10% 50V	
C513	1-130-482-00	MYLAR 0.0082 μF 5% 50V	
C514	1-106-343-00	MYLAR 1000PF 5% 200V	
C515	1-136-156-00	FILM 0.018 μF 5% 50V	
C516	1-106-353-00	MYLAR 0.0027 μF 5% 50V	
C517	1-136-161-00	FILM 0.047 μF 5% 50V	
C518	1-130-480-00	MYLAR 0.0056 μF 5% 50V	
C519	1-136-166-00	FILM 0.12 μF 5% 50V	
C520	1-136-155-00	FILM 0.015 μF 5% 50V	
C521	1-124-034-51	ELECT 33 μF 20% 16V	
C522	1-124-034-51	ELECT 33 μF 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 0.01 μF 5% 50V	
C526	1-164-159-11	CERAMIC 0.1 μF 50V	
C527	1-124-034-51	ELECT 33 μF 20% 16V	
C528	1-136-169-00	FILM 0.22 μF 5% 50V (UK)	
C529	1-164-066-11	CERAMIC 68PF 5% 50V (UK)	
C530	1-106-343-00	MYLAR 0.001 μF 5% 50V (UK)	
C531	1-126-163-11	ELECT 4.7 μF 20% 50V (UK)	
C532	1-124-034-51	ELECT 33 μF 20% 16V	
C533	1-164-054-11	CERAMIC 22PF 5% 50V	
C551	1-126-059-11	ELECT 10 μF 20% 50V	
C552	1-130-470-00	MYLAR 820PF 5% 50V	
C553	1-126-163-11	ELECT 4.7 μF 20% 50V	
C554	1-124-034-51	ELECT 33 μF 20% 16V	
C555	1-162-286-31	CERAMIC 220PF 10% 50V	
C556	1-126-163-11	ELECT 4.7 μF 20% 50V	
C557	1-136-175-00	FILM 0.68 μF 5% 50V	
C558	1-136-166-00	FILM 0.12 μF 5% 50V	
C559	1-136-171-00	FILM 0.33 μF 5% 50V	
C560	1-136-160-00	FILM 0.039 μF 5% 50V	
C561	1-130-477-00	MYLAR 0.0033 μF 5% 50V	
C562	1-164-080-11	CERAMIC 390PF 10% 50V	
C563	1-130-482-00	MYLAR 0.0082 μF 5% 50V	
C564	1-106-343-00	MYLAR 1000PF 5% 200V	
C565	1-136-156-00	FILM 0.018 μF 5% 50V	
C566	1-106-353-00	MYLAR 0.0027 μF 5% 50V	
C567	1-136-161-00	FILM 0.047 μF 5% 50V	

MAIN

POWER AMP

Ref. No.	Part No.	Description	Remark		
C568	1-130-480-00	MYLAR	0.0056uF	5%	50V
C569	1-136-166-00	FILM	0.12uF	5%	50V
C570	1-136-155-00	FILM	0.015uF	5%	50V
C571	1-124-034-51	ELECT	33uF	20%	16V
C572	1-124-034-51	ELECT	33uF	20%	16V
C575	1-164-159-11	CERAMIC	0.1uF		50V
C578	1-136-169-00	FILM	0.22uF	5%	50V (UK)
C583	1-164-054-11	CERAMIC	22PF	5%	50V
C601	1-136-169-00	FILM	0.22uF	5%	50V
C602	1-136-154-00	FILM	0.012uF	5%	50V
C603	1-126-059-11	ELECT	10uF	20%	50V
C604	1-136-174-00	FILM	0.56uF	5%	50V
C605	1-136-164-00	FILM	0.082uF	5%	50V
C607	1-126-301-11	ELECT	1uF	20%	50V
C608	1-126-300-11	ELECT	0.47uF	20%	50V
C610	1-136-163-00	FILM	0.068uF	5%	50V
C611	1-136-163-00	FILM	0.068uF	5%	50V
C612	1-130-477-00	MYLAR	0.0033uF	5%	50V
C613	1-136-161-00	FILM	0.047uF	5%	50V
C614	1-126-163-11	ELECT	4.7uF	20%	50V
C615	1-126-023-11	ELECT	100uF	20%	16V
C617	1-124-034-51	ELECT	33uF	20%	16V
C618	1-126-022-11	ELECT	47uF	20%	16V
C619	1-126-301-11	ELECT	1uF	20%	50V
C620	1-126-301-11	ELECT	1uF	20%	50V
C621	1-126-059-11	ELECT	10uF	20%	50V
C622	1-126-301-11	ELECT	1uF	20%	50V
C630	1-164-019-11	CERAMIC	10PF	0.5PF	50V
C651	1-136-169-00	FILM	0.22uF	5%	50V
C701	1-126-161-11	ELECT	2.2uF	20%	50V
C702	1-164-081-11	CERAMIC	470PF	10%	50V
C703	1-162-286-31	CERAMIC	220PF	10%	50V
C704	1-124-994-11	ELECT	100uF	20%	10V
C706	1-124-122-11	ELECT	100uF	20%	50V
C707	1-124-122-11	ELECT	100uF	20%	50V
C708	1-136-163-00	FILM	0.068uF	5%	50V
C709	1-136-163-00	FILM	0.068uF	5%	50V
C710	1-124-587-11	ELECT	220uF	20%	6.3V
C711	1-124-587-11	ELECT	220uF	20%	6.3V
C712	1-124-443-00	ELECT	100uF	20%	10V
C715	1-126-300-11	ELECT	0.47uF	20%	50V
C751	1-126-161-11	ELECT	2.2uF	20%	50V
C752	1-164-081-11	CERAMIC	470PF	10%	50V
C753	1-162-286-31	CERAMIC	220PF	10%	50V
C754	1-124-994-11	ELECT	100uF	20%	10V
C758	1-136-163-00	FILM	0.068uF	5%	50V
C759	1-136-163-00	FILM	0.068uF	5%	50V
C801	1-102-394-11	CERAMIC	0.01uF		250V

Ref. No.	Part No.	Description	Remark		
C802	1-126-138-11	ELECT	4700uF	20%	50V
C803	1-126-138-11	ELECT	4700uF	20%	50V
C804	1-161-021-11	CERAMIC	0.047uF	10%	25V
C805	1-161-021-11	CERAMIC	0.047uF	10%	25V
C806	1-124-910-11	ELECT	47uF	20%	50V
C810	1-126-162-11	ELECT	3.3uF	20%	50V
C811	1-124-887-00	ELECT	3300uF	20%	16V
C812	1-124-887-00	ELECT	3300uF	20%	16V
C813	1-126-059-11	ELECT	10uF	20%	50V
C814	1-126-059-11	ELECT	10uF	20%	50V
C815	1-124-994-11	ELECT	100uF	20%	10V
C816	1-124-994-11	ELECT	100uF	20%	10V
C817	1-161-021-11	CERAMIC	0.047uF	10%	25V
C818	1-161-021-11	CERAMIC	0.047uF	10%	25V
C819	1-124-910-11	ELECT	47uF	20%	50V
C820	1-124-910-11	ELECT	47uF	20%	50V
C821	1-124-920-11	ELECT	330uF	20%	63V
C822	1-126-059-11	ELECT	10uF	20%	50V
C823	1-126-059-11	ELECT	10uF	20%	50V
C824	1-126-059-11	ELECT	10uF	20%	50V
C825	1-126-022-11	ELECT	47uF	20%	16V (UK)
C826	1-161-021-11	CERAMIC	0.047uF	10%	25V (UK)
C827	1-161-021-11	CERAMIC	0.047uF	10%	25V (UK)
C830	1-124-910-11	ELECT	47uF	20%	50V

< CONNECTOR >

* CN1	1-564-321-00	PIN, CONNECTOR 2P
CN2	1-535-139-00	BASE POST 22MM (10MM PITCH) 2P
* CN301	1-566-858-41	SOCKET, CONNECTOR 11P
* CN302	1-564-509-11	PLUG, CONNECTOR 6P
* CN303	1-568-834-11	SOCKET, CONNECTOR 15P
CN501	1-568-319-11	SOCKET, CONNECTOR 8P
CN502	1-568-319-11	SOCKET, CONNECTOR 8P
* CN601	1-564-508-11	PLUG, CONNECTOR 5P
* CN602	1-564-507-11	PLUG, CONNECTOR 4P
* CN702	1-564-518-11	PLUG, CONNECTOR 3P
* CN703	1-564-519-11	PLUG, CONNECTOR 4P
* CN704	1-564-521-11	PLUG, CONNECTOR 6P
* CN705	1-564-509-11	PLUG, CONNECTOR 6P
* CN706	1-564-507-11	PLUG, CONNECTOR 4P
* CN707	1-564-508-11	PLUG, CONNECTOR 5P
* CN801	1-566-859-11	SOCKET, CONNECTOR 15P
* CN802	1-564-358-00	PIN, CONNECTOR 3P (UK)

< DIODE >

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

MAIN

POWER AMP

Ref. No.	Part No.	Description	Remark
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	LED HZS30-2L	
D815	8-719-014-75	DIODE UZP-6. 2B	
D816	8-719-200-02	DIODE 10E2	
D817	8-719-200-02	DIODE 10E2 (UK)	
D818	8-719-001-88	DIODE UZL-15L	
D819	8-719-001-88	DIODE UZL-15L	

< FUSE >

△ F1	1-532-286-00	FUSE (T2. 5A) 250V
△ 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 uPD4066BCP
IC302	8-759-202-61	IC TC4094BP
IC501	8-759-634-51	IC M5218AP
IC502	8-759-000-49	IC uPD4066BCP
IC503	8-759-822-26	IC LC7522K
IC504	8-759-633-78	IC M5289P
IC505	8-759-634-51	IC M5218AP (UK)
IC554	8-759-633-78	IC M5289P
IC601	8-759-634-51	IC M5218AP
IC602	8-759-043-16	IC M51134P
IC701	8-749-922-94	IC STK4180-MK2
IC702	8-759-111-68	IC uPC1237HA
IC801	8-759-604-86	IC M5F7807L
IC802	8-759-604-90	IC M5F7907L

< IC LINK >

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

Ref. No.	Part No.	Description	Remark
		< JACK >	
J701	1-565-352-41	JACK, PIN 2P	
		< 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 (UK)	
Q505	8-729-900-80	TRANSISTOR DTC114ES	
Q554	8-729-224-62	TRANSISTOR 2SK246-GR (UK)	
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	
R502	1-249-437-11	CARBON 47K 5% 1/4W	
R503	1-247-897-11	CARBON 560K 5% 1/4W	
R504	1-249-435-11	CARBON 33K 5% 1/4W	
R505	1-249-432-11	CARBON 18K 5% 1/4W	
R506	1-249-429-11	CARBON 10K 5% 1/4W	
R507	1-247-887-00	CARBON 220K 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

Ref. No.	Part No.	Description	Remark		
R508	1-249-427-11	CARBON	6. 8K	5%	1/4W
R509	1-249-427-11	CARBON	6. 8K	5%	1/4W
R510	1-247-903-00	CARBON	1M	5%	1/4W
R511	1-247-903-00	CARBON	1M	5%	1/4W
R512	1-247-903-00	CARBON	1M	5%	1/4W
R513	1-247-903-00	CARBON	1M	5%	1/4W
R514	1-247-903-00	CARBON	1M	5%	1/4W
R515	1-247-903-00	CARBON	1M	5%	1/4W
R516	1-247-903-00	CARBON	1M	5%	1/4W
R517	1-249-408-11	CARBON	180	5%	1/4W
R518	1-249-417-11	CARBON	1K	5%	1/4W
R519	1-249-429-11	CARBON	10K	5%	1/4W
R520	1-249-435-11	CARBON	33K	5%	1/4W
R521	1-249-433-11	CARBON	22K	5%	1/4W
R522	1-249-433-11	CARBON	22K	5%	1/4W
R523	1-249-433-11	CARBON	22K	5%	1/4W
R525	1-249-429-11	CARBON	10K	5%	1/4W (UK)
R529	1-249-429-11	CARBON	10K	5%	1/4W (UK)
R530	1-249-413-11	CARBON	470	5%	1/4W (UK)
R531	1-249-429-11	CARBON	10K	5%	1/4W (UK)
R532	1-249-429-11	CARBON	10K	5%	1/4W (UK)
R533	1-249-429-11	CARBON	10K	5%	1/4W (UK)
R534	1-249-427-11	CARBON	5. 8K	5%	1/4W (UK)
R535	1-247-895-00	CARBON	470K	5%	1/4W (UK)
R537	1-249-441-11	CARBON	100K	5%	1/4W (UK)
R551	1-247-897-11	CARBON	560K	5%	1/4W
R552	1-249-437-11	CARBON	47K	5%	1/4W
R553	1-247-897-11	CARBON	560K	5%	1/4W
R556	1-249-429-11	CARBON	10K	5%	1/4W
R557	1-247-887-00	CARBON	220K	5%	1/4W
R558	1-249-427-11	CARBON	6. 8K	5%	1/4W
R559	1-249-427-11	CARBON	6. 8K	5%	1/4W
R560	1-247-903-00	CARBON	1M	5%	1/4W
R561	1-247-903-00	CARBON	1M	5%	1/4W
R562	1-247-903-00	CARBON	1M	5%	1/4W
R563	1-247-903-00	CARBON	1M	5%	1/4W
R564	1-247-903-00	CARBON	1M	5%	1/4W
R565	1-247-903-00	CARBON	1M	5%	1/4W
R566	1-247-903-00	CARBON	1M	5%	1/4W
R569	1-249-429-11	CARBON	10K	5%	1/4W
R570	1-249-435-11	CARBON	33K	5%	1/4W
R570	1-249-435-11	CARBON	33K	5%	1/4W
R575	1-249-429-11	CARBON	10K	5%	1/4W (UK)
R584	1-249-427-11	CARBON	6. 8K	5%	1/4W (UK)
R585	1-247-895-00	CARBON	470K	5%	1/4W (UK)
R601	1-249-429-11	CARBON	10K	5%	1/4W
R602	1-249-438-11	CARBON	56K	5%	1/4W
R603	1-247-848-11	CARBON	5. 1K	5%	1/4W
R604	1-249-429-11	CARBON	10K	5%	1/4W

Ref. No.	Part No.	Description	Remark		
R606	1-249-429-11	CARBON	10K	5%	1/4W
R607	1-249-417-11	CARBON	1K	5%	1/4W
R608	1-249-438-11	CARBON	56K	5%	1/4W
R609	1-249-441-11	CARBON	100K	5%	1/4W
R610	1-247-898-11	CARBON	620K	5%	1/4W
R611	1-247-887-00	CARBON	220K	5%	1/4W
R612	1-247-887-00	CARBON	220K	5%	1/4W
R613	1-247-887-00	CARBON	220K	5%	1/4W
R614	1-249-435-11	CARBON	33K	5%	1/4W
R641	1-249-429-11	CARBON	10K	5%	1/4W
R643	1-249-441-11	CARBON	100K	5%	1/4W
R644	1-247-887-00	CARBON	220K	5%	1/4W
R651	1-249-429-11	CARBON	10K	5%	1/4W
R701	1-249-417-11	CARBON	1K	5%	1/4W
R702	1-249-438-11	CARBON	56K	5%	1/4W
R703	1-249-412-11	CARBON	390	5%	1/4W
R704	1-249-438-11	CARBON	56K	5%	1/4W
△ R705	1-212-881-11	FUSIBLE	100	5%	1/4W F
△ R706	1-212-881-11	FUSIBLE	100	5%	1/4W F
R707	1-249-417-11	CARBON	1K	5%	1/4W
R708	1-249-430-11	CARBON	12K	5%	1/4W
R709	1-249-441-11	CARBON	100K	5%	1/4W
R710	1-217-156-00	RES. METAL PLATE			0. 22
R711	1-247-727-11	CARBON	10	5%	1/2W
R712	1-247-727-11	CARBON	10	5%	1/2W
R713	1-249-438-11	CARBON	56K	5%	1/4W
R714	1-249-429-11	CARBON	10K	5%	1/4W
R715	1-249-441-11	CARBON	100K	5%	1/4W
R716	1-249-417-11	CARBON	1K	5%	1/4W
R718	1-249-437-11	CARBON	47K	5%	1/4W
R719	1-249-487-11	CARBON	15K	5%	1/2W
△ R720	1-216-456-00	METAL OXIDE	820	5%	2W F
R722	1-247-903-00	CARBON	1M	5%	1/4W
R723	1-249-433-11	CARBON	22K	5%	1/4W
R724	1-249-428-11	CARBON	8. 2K	5%	1/4W
R751	1-249-417-11	CARBON	1K	5%	1/4W
R752	1-249-438-11	CARBON	56K	5%	1/4W
R753	1-249-412-11	CARBON	390	5%	1/4W
R754	1-249-438-11	CARBON	56K	5%	1/4W
R757	1-249-417-11	CARBON	1K	5%	1/4W
R758	1-249-430-11	CARBON	12K	5%	1/4W
R759	1-249-441-11	CARBON	100K	5%	1/4W
△ R760	1-217-156-00	RES. METAL PLATE	0. 22		5W F
R761	1-247-727-11	CARBON	10	5%	1/2W
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	1-215-917-11	METAL OXIDE	1K	5%	3W F
△ R802	1-215-917-11	METAL OXIDE	1K	5%	3W F

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

MAIN

POWER AMP

MIC

PANEL

Ref. No.	Part No.	Description	Remark
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 >

AS1 1-554-920-51 SWITCH, PUSH (AC POWER) (1 KEY)

< TERMINAL BOARD >

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

* 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)

< 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

Ref. No.	Part No.	Description	Remark
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-4347-263-A PANEL BOARD, COMPLETE (AEP)

* A-4347-262-A PANEL BOARD, COMPLETE (UK)

* 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
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	1-164-081-91	CERAMIC	470PF		50V
C917	1-164-081-91	CERAMIC	470PF		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

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
C921	1-162-294-31	CERAMIC 0.001uF 10%	50V
C922	1-164-159-11	CERAMIC 0.1uF	50V
C923	1-124-229-00	ELECT 33uF 20%	10V
C924	1-164-159-11	CERAMIC 0.1uF	50V
C925	1-124-229-00	ELECT 33uF 20%	10V

C926	1-126-157-11	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	1-126-157-11	ELECT 10uF 20%	16V
C934	1-164-159-11	CERAMIC 0.1uF	50V
C935	1-124-443-00	ELECT 100uF 20%	10V

C936	1-164-159-11	CERAMIC 0.1uF	50V
C937	1-126-863-71	ELECT 3.3uF	50V

< 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

< 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
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) (UK)
D917	8-719-987-63	DIODE 1N4148M (UK)

Ref. No.	Part No.	Description	Remark
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	LED 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 (PHONE)
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)
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< FLUORESCENT INDICATOR >

FL901 1-519-737-11 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
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

PANEL

Ref. No.	Part No.	Description	Remark
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< 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 (UK)
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	2SA1346 (UK)

< 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
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

Ref. No.	Part No.	Description	Remark
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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
R928	1-249-417-11	CARBON	1K 5% 1/4W
R929	1-249-417-11	CARBON	1K 5% 1/4W (UK)
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

PANEL

PIN JACK

Ref. No.	Part No.	Description	Remark		
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 (UK)
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 SYNSESISER LEVEL)		
RV602	1-238-459-11	RES. VAR. CARBON 100K	(BALANCE)		
< 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)		

Ref. No.	Part No.	Description	Remark
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			

< 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
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

PIN JACK

Ref. No.	Part No.	Description	Remark		
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/VIDEO2)		
J102	1-565-304-11	JACK, PIN 4P	(VIDEO1 IN/OUT)		
J201	1-565-934-11	JACK, PIN 2P	(VIDEO2 IN/1 OUT)		
J202	1-565-934-11	JACK, PIN 2P	(VIDEO1/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		

< 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

Ref. No.	Part No.	Description	Remark		
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
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

PIN JACK

VOL

Ref. No.	Part No.	Description	Remark
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	1-124-994-11	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	
		< RESISTOR >	
R914	1-249-405-11	CARBON 100 5% 1/4W	
		< 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	1-575-654-11	CORD, POWER (AEP)	
△58	1-575-669-21	CORD, POWER (UK)	
△T901	1-450-872-11	TRANSFORMER, POWER	

		ACCESSORIES & PACKING MATERIALS	

	4-920-940-01	SHEET (A), PROTECTION	
*	4-934-859-01	CUSHION	

Ref. No.	Part No.	Description	Remark
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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)

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

SUPPLEMENT-1

File this supplement with the service manual.

Subject: Addition to Germany and Italian models.

The model for Germany and Italian have been added to TA-D607.
TA-D607 (Germany and Italian models) is almost same as the TA-D607 (AEP model) and only the difference from TA-D607 (AEP model) is described in this manual.
Refer to the TA-D607 (AEP model) SERVICE MANUAL for the other information.

EXPLODED VIEWS

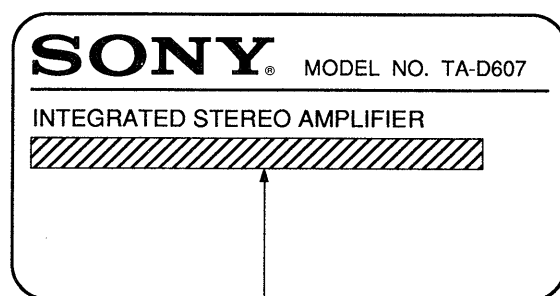
Page	No.	Part No.	Description
20	1	X-4942-417-1	KNOB ASSY, ROUND (IT)
	1	X-4942-418-1	KNOB ASSY, ROUND (G)
	2	4-950-651-01	KNOB (DIA. 16), ROUND (IT)
	2	4-950-651-11	KNOB (DIA. 16), ROUND (G)
	3	X-4942-414-1	PANEL ASSY, FRONT (G)
	3	X-4942-416-1	PANEL ASSY, FRONT (IT)
	5	A-4347-263-A	PANEL BOARD, COMPLETE
	6	4-950-652-01	KNOB (DIA. 12), ROUND (IT)
	6	4-950-652-11	KNOB (DIA. 12), ROUND (G)
	10	4-942-061-01	BUTTON (P) (IT)
	10	4-942-061-11	BUTTON (P) (G)
	12	4-939-803-91	CASE (IT)
	12	4-949-912-11	CASE (G)
21	52	A-4347-256-A	MAIN BOARD, COMPLETE
	53	A-4347-260-A	POWER AMP BOARD, COMPLETE
	55	A-4347-268-A	PIN JACK BOARD, COMPLETE
	56	4-950-653-01	PANEL (B3120), BACK (IT)
	56	4-950-653-41	PANEL (B3120), BACK (G)
	58	1-575-654-11	CORD, POWER

NOTE
G: Germany
IT: Italian

CAUTION : Refer to former type for the Italian model having serial No. up to 602,000, and new type for the model after No. 602,001. Refer to new type for the Germany model.

MODEL IDENTIFICATION

— Model Number Portion —



Germany model : SYSTEM LBT-D607

AC : 220—230V ~ 50/60Hz

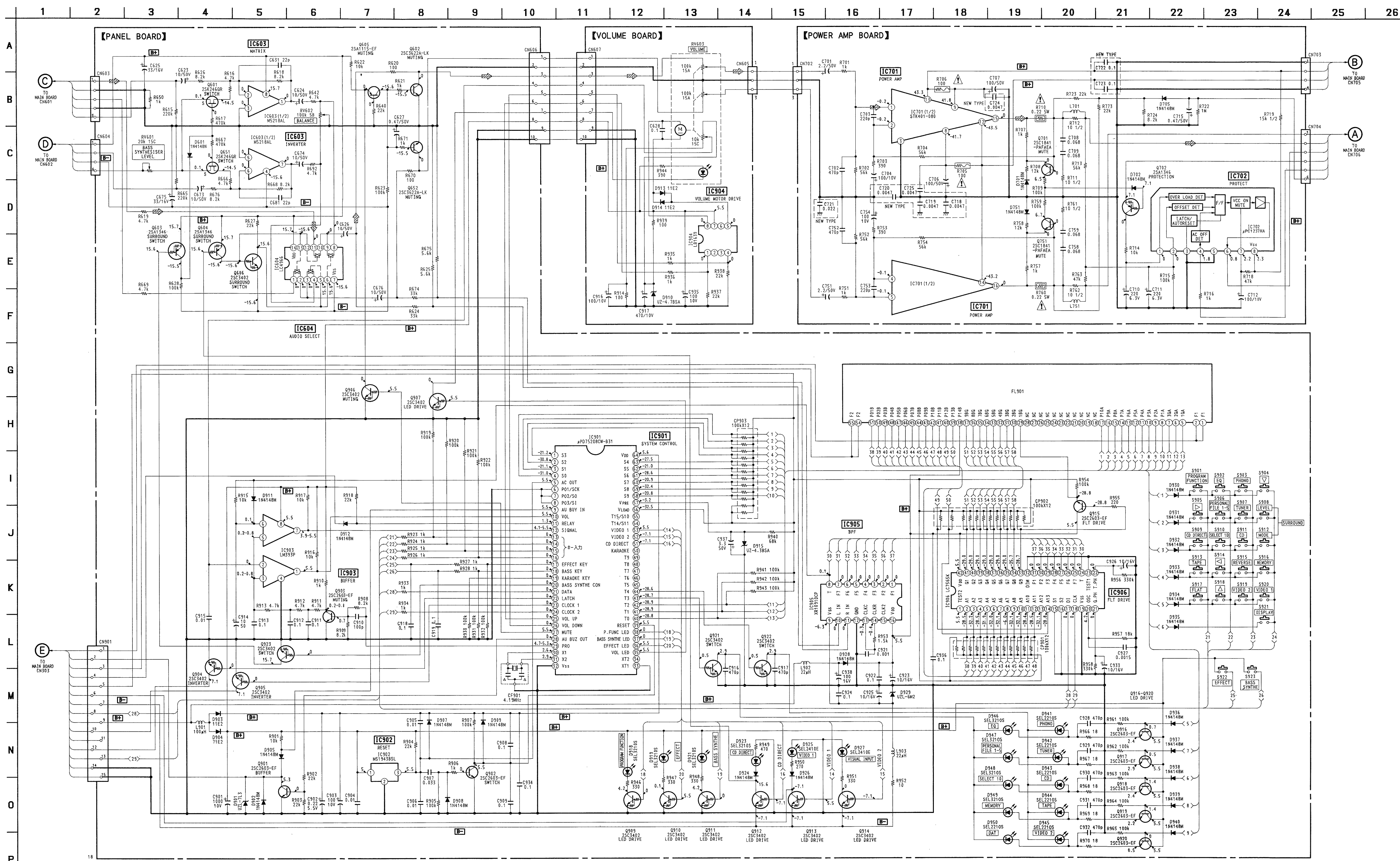
Italian model : AC : 220—230V ~ 50/60Hz

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.

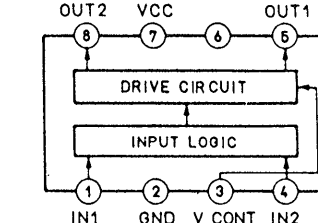
SECTION 1 DIAGRAMS

1-1. SCHEMATIC DIAGRAMS —PANEL Section—

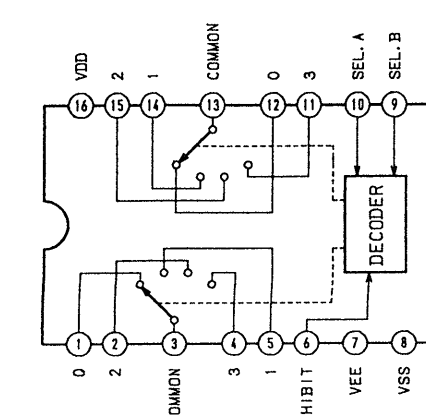


IC Block Diagrams

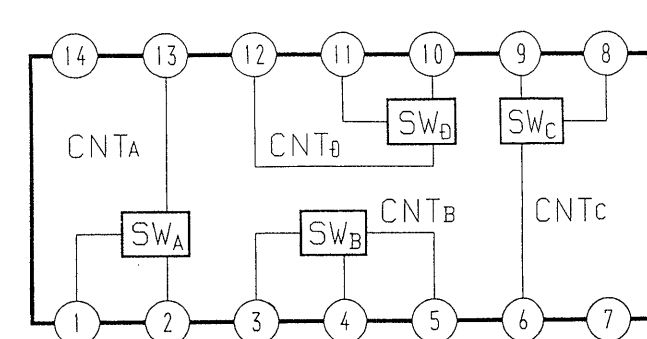
IC904 LB1639



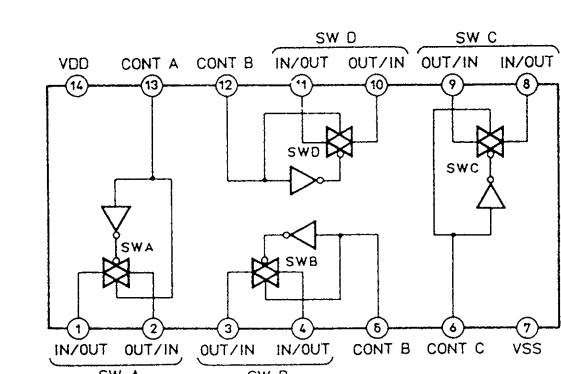
IC102 MC14052BCP



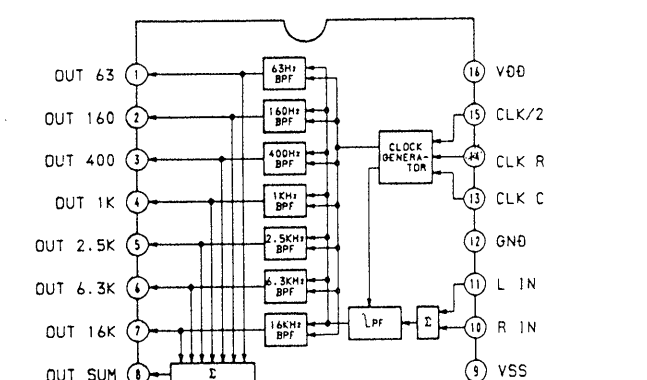
IC103 μ MC14066BCP



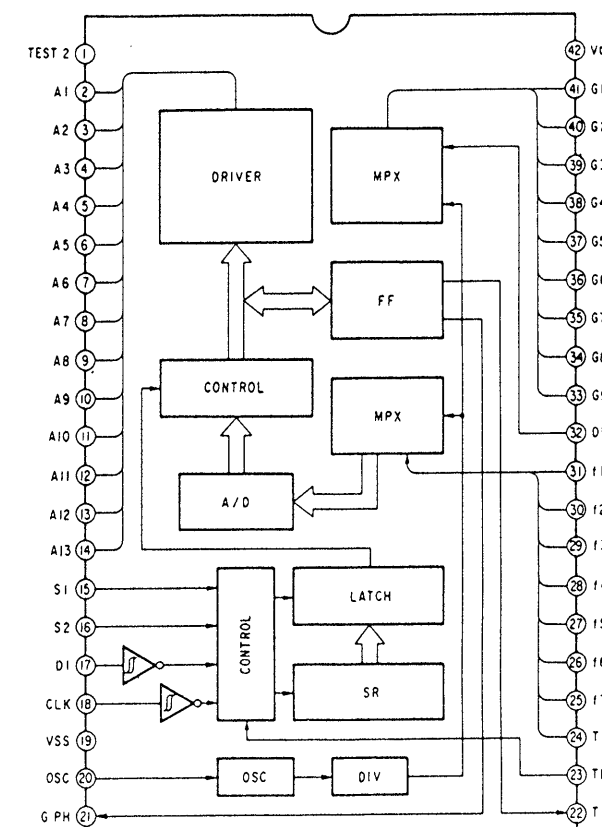
IC604 LC4966



IC905 XR1091DCP



IC906 LC7565K



Pin diagram of the 74VHC04 hex inverters. The package is shown with pins 1 through 16. Pin 1 is STROBE, Pin 2 is SERIAL IN, Pin 3 is CLOCK, Pin 8 is GND, Pin 15 is OUTPUT ENABLE, Pin 16 is VDD. The internal logic consists of an 8-STAGE SHIFT REGISTER connected to an 8-BIT STORAGE REGISTER, which is then connected to a 3-STAGE OUTPUTS block. The outputs are labeled Q1 through Q8.

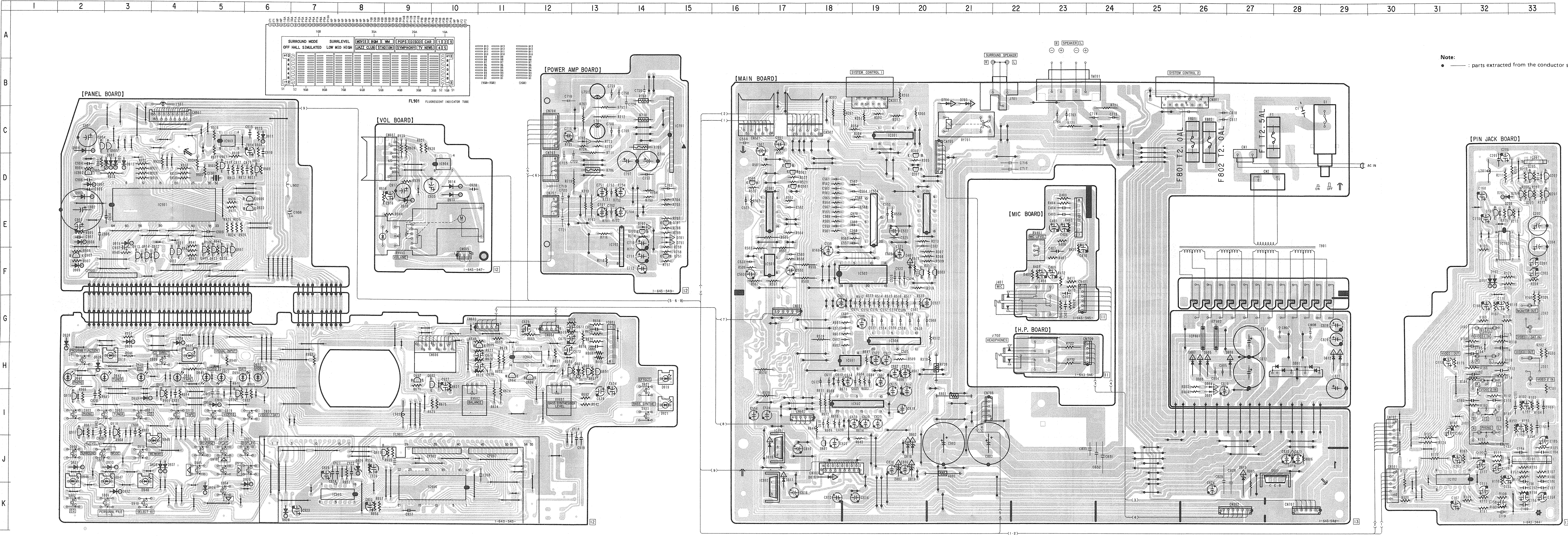
The diagram shows a 1000 Hz tone generator circuit. It starts with an AUDIO AMP (NFB) and a SENS ADJUST control. The signal path goes through a LOWPASS FILTER and a 1/2 FREQ. DIVIDER. A POWER SUPPLY section provides VCC-1 (MAX) and V00. A WAVE SHAPE section is connected to the output of the frequency divider. The output of the wave shape section goes through a VCA (Voltage Controlled Amplifier) and a BUFFER BYPASS. The final output is labeled SUB OUT. Various other points are labeled with numbers 1 through 10 and specific signal names like AUDIO IN, REG OUT, VCC-2 (BIO), and SUB OUT.

- 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 $\frac{1}{2}\text{W}$ or less unless otherwise specified.
 -  : internal component.
 -  : nonflammable resistor.
 -  : fusible resistor.
 -  : printed resistor.
 -  : 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 $10\text{M}\Omega$).
- Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 -  : CD

1-3. PRINTED WIRING BOARDS —New Type—

● Semiconductor Location

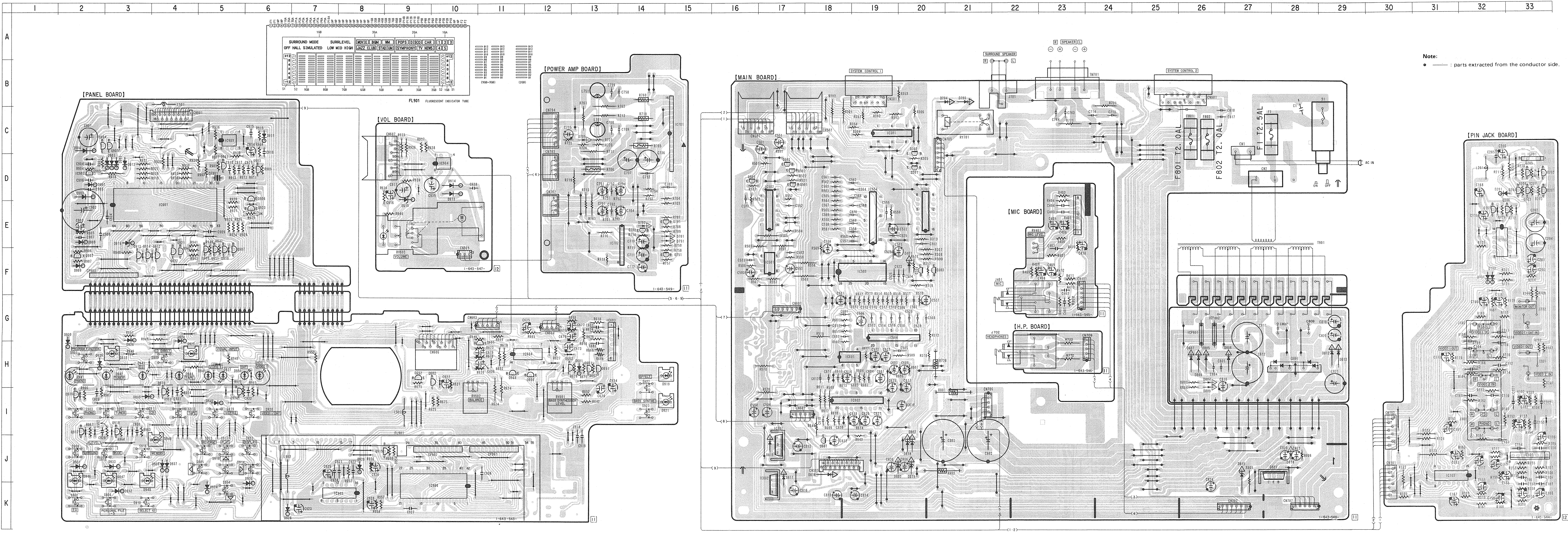
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	F-32	D928	K-6	Q202	D-33
D102	F-32	D929	J-8	Q203	D-33
D201	D-32	D930	G-2	Q204	D-33
D401	F-20	D931	J-2	Q205	D-33
D502	J-18	D932	K-3	Q206	E-33
D601	H-13	D933	J-3	Q301	D-20
D701	E-15	D934	J-5	Q302	C-20
D702	E-14	D935	K-5	Q303	F-20
D703	B-21	D936	H-2	Q304	F-20
D704	B-21	D937	J-4	Q501	D-17
D705	C-13	D938	J-4	Q502	D-17
D751	E-15	D939	I-3	Q503	D-18
D801	H-28	D940	I-5	Q505	D-16
D802	J-20	D941	H-2	Q601	H-13
D803	J-19	D942	H-3	Q602	H-10
D804	H-26	D943	H-3	Q603	H-11
D805	H-26	D944	H-4	Q604	H-11
D806	H-27	D945	H-5	Q605	G-11
D807	H-26	D946	J-2	Q606	H-11
D808	H-26	D947	J-3	Q607	J-18
D809	H-17	D948	J-3	Q651	H-13
D810	J-17	D949	J-4	Q652	H-9
D811	J-17	D950	H-5	Q701	E-15
D812	H-29			Q702	E-14
D813	H-29	IC101	J-33	Q751	F-15
D814	J-28	IC102	J-31	Q801	J-28
D815	J-27	IC103	E-32	Q901	D-5
D816	J-18	IC201	D-33	Q902	F-2
D817	C-21	IC301	C-19	Q903	D-6
D818	J-20	IC302	E-20	Q904	C-2
D819	J-20	IC401	E-23	Q905	C-3
D901	D-3	IC501	F-17	Q906	D-6
D902	D-3	IC502	E-17	Q907	E-5
D903	D-2	IC503	F-19	Q909	E-5
D904	C-2	IC504	G-19	Q910	E-5
D905	D-3	IC551	E-19	Q911	E-5
D907	D-2	IC601	H-18	Q912	F-4
D908	E-2	IC602	I-19	Q913	F-3
D909	D-2	IC603	H-13	Q914	F-3
D910	D-9	IC604	H-12	Q915	J-8
D911	C-6	IC701	C-15	Q916	I-2
D912	D-3	IC702	E-14	Q917	I-2
D913	D-10	IC801	J-17	Q918	I-3
D914	D-10	IC802	J-17	Q919	I-4
D915	E-5	IC901	D-4	Q920	J-5
D918	H-3	IC902	D-2	Q921	F-4
D919	H-15	IC903	C-5	Q922	F-4
D921	I-15	IC904	C-9	Q923	E-6
D923	H-4	IC905	K-8		
D924	G-4	IC906	J-10		
D925	H-6				
D926	G-3	Q101	E-32		
D927	H-5	Q201	D-33		



1-4. PRINTED WIRING BOARDS —Former Type—

● Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	F-32	D928	K-6	Q202	D-33
D102	F-32	D929	J-8	Q203	D-33
D201	D-32	D930	G-2	Q204	D-33
D401	F-20	D931	J-2	Q205	D-33
D502	J-18	D932	K-3	Q206	E-33
D601	H-13	D933	J-3	Q301	D-20
D701	E-15	D934	J-5	Q302	C-20
D702	E-14	D935	K-5	Q303	F-20
D703	B-21	D936	H-2	Q304	F-20
D704	B-21	D937	J-4	Q501	D-17
D705	C-13	D938	J-4	Q502	D-17
D751	E-15	D939	I-3	Q503	D-18
D801	H-28	D940	I-5	Q505	D-16
D802	J-20	D941	H-2	Q601	H-13
D803	J-19	D942	H-3	Q602	H-10
D804	H-26	D943	H-3	Q603	H-11
D805	H-26	D944	H-4	Q604	H-11
D806	H-27	D945	H-5	Q605	G-11
D807	H-26	D946	J-2	Q606	H-11
D808	H-26	D947	J-3	Q607	J-18
D809	H-17	D948	J-3	Q651	H-13
D810	J-17	D949	J-4	Q652	H-9
D811	J-17	D950	H-5	Q701	E-15
D812	H-29			Q702	E-14
D813	H-29	IC101	J-33	Q751	F-15
D814	J-28	IC102	J-31	Q801	J-28
D815	J-27	IC103	E-32	Q901	D-5
D816	J-18	IC201	D-33	Q902	F-2
D817	C-21	IC301	C-19	Q903	D-6
D818	J-20	IC302	E-20	Q904	C-2
D819	J-20	IC401	E-23	Q905	C-3
D901	D-3	IC501	F-17	Q906	D-6
D902	D-3	IC502	E-17	Q907	E-5
D903	D-2	IC503	F-19	Q909	E-5
D904	C-2	IC504	G-19	Q910	E-5
D905	D-3	IC554	E-19	Q911	E-5
D907	D-2	IC601	H-18	Q912	F-4
D908	E-2	IC602	I-19	Q913	F-3
D909	D-2	IC603	H-13	Q914	F-3
D910	D-9	IC604	H-12	Q915	J-8
D911	C-6	IC701	C-15	Q916	I-2
D912	D-3	IC702	E-14	Q917	I-2
D913	D-10	IC801	J-17	Q918	I-3
D914	D-10	IC802	J-17	Q919	I-4
D915	E-5	IC901	D-4	Q920	J-5
D918	H-3	IC902	D-2	Q921	F-4
D919	H-15	IC903	C-5	Q922	F-4
D921	I-15	IC904	C-9	Q923	E-6
D923	H-4	IC905	K-8		
D924	G-4	IC906	J-10		
D925	H-6				
D926	G-3	Q101	E-32		
D927	H-5	Q201	D-33		



SECTION 2

ELECTRICAL PARTS LIST

H. P.

MAIN

POWER AMP

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 or dotted line with mark are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	1-643-546-11	H. P. BOARD *****		C508	1-136-166-00	FILM 0.12uF 5%	50V
		< CONNECTOR >		C509	1-136-171-00	FILM 0.33uF 5%	50V
* CN709	1-564-508-11	PLUG, CONNECTOR 5P		C510	1-136-160-00	FILM 0.039uF 5%	50V
		< JACK >		C511	1-130-477-00	MYLAR 0.0033uF 5%	50V
J702	1-507-854-00	JACK, PHONE (HEADPHONE)		C512	1-164-080-11	CERAMIC 390PF 10%	50V
		< RESISTOR >		C513	1-130-482-00	MYLAR 0.0082uF 5%	50V
R725	1-247-749-11	CARBON 560 5% 1/2W		C514	1-106-343-00	MYLAR 1000PF 5%	200V
R775	1-247-749-11	CARBON 560 5% 1/2W		C515	1-136-156-00	FILM 0.018uF 5%	50V
*****				C516	1-106-353-00	MYLAR 0.0027uF 5%	50V
*	A-4347-256-A	MAIN BOARD, COMPLETE *****		C517	1-136-161-00	FILM 0.047uF 5%	50V
*	A-4347-260-A	POWER AMP BOARD *****		C518	1-130-480-00	MYLAR 0.0056uF 5%	50V
*	1-533-213-31	HOLDER, FUSE		C519	1-136-166-00	FILM 0.12uF 5%	50V
*	3-309-144-21	HEAT SINK		C520	1-136-155-00	FILM 0.015uF 5%	50V
*	4-941-237-01	HEAT SINK		C521	1-124-034-51	ELECT 33uF 20%	16V
*	4-942-204-01	PLATE, GROUND		C522	1-124-034-51	ELECT 33uF 20%	16V
	7-682-548-04	SCREW +BVTT 3X8 (S)		C523	1-162-282-31	CERAMIC 100PF 10%	50V
		< CAPACITOR >		C524	1-162-282-31	CERAMIC 100PF 10%	50V
C1	1-161-744-00	CERAMIC 0.01uF 400V		C525	1-130-483-00	MYLAR 0.01uF 5%	50V
C302	1-162-306-11	CERAMIC 0.01uF 20% 16V		C526	1-164-159-11	CERAMIC 0.1uF 50V	
C501	1-126-059-11	ELECT 10uF 20% 50V		C527	1-124-034-51	ELECT 33uF 20%	16V
C502	1-130-470-00	MYLAR 820PF 5% 50V		C532	1-124-034-51	ELECT 33uF 20%	16V
C503	1-126-163-11	ELECT 4.7uF 20% 50V		C533	1-164-054-11	CERAMIC 22PF 5%	50V
C504	1-124-034-51	ELECT 33uF 20% 16V		C534	1-164-159-11	CERAMIC 0.1uF 50V (NEW TYPE)	
C505	1-162-286-31	CERAMIC 220PF 10% 50V		C551	1-126-059-11	ELECT 10uF 20% 50V	
C506	1-126-163-11	ELECT 4.7uF 20% 50V		C552	1-130-470-00	MYLAR 820PF 5% 50V	
C507	1-136-175-00	FILM 0.68uF 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	
				C559	1-136-171-00	FILM 0.33uF 5% 50V	
				C560	1-136-160-00	FILM 0.039uF 5% 50V	
				C561	1-130-477-00	MYLAR 0.0033uF 5% 50V	

MAIN

POWER AMP

Ref. No.	Part No.	Description	Remark		
C562	1-164-080-11	CERAMIC	390PF	10%	50V
C563	1-130-482-00	MYLAR	0.0082uF	5%	50V
C564	1-106-343-00	MYLAR	1000PF	5%	200V
C565	1-136-156-00	FILM	0.018uF	5%	50V
C566	1-106-353-00	MYLAR	0.0027uF	5%	50V
C567	1-136-161-00	FILM	0.047uF	5%	50V
C568	1-130-480-00	MYLAR	0.0056uF	5%	50V
C569	1-136-166-00	FILM	0.12uF	5%	50V
C570	1-136-155-00	FILM	0.015uF	5%	50V
C571	1-124-034-51	ELECT	33uF	20%	16V
C572	1-124-034-51	ELECT	33uF	20%	16V
C575	1-164-159-11	CERAMIC	0.1uF		50V
C583	1-164-054-11	CERAMIC	22PF	5%	50V
C601	1-136-169-00	FILM	0.22uF	5%	50V
C602	1-136-154-00	FILM	0.012uF	5%	50V
C603	1-126-059-11	ELECT	10uF	20%	50V
C604	1-136-174-00	FILM	0.56uF	5%	50V
C605	1-136-164-00	FILM	0.082uF	5%	50V
C607	1-126-301-11	ELECT	1uF	20%	50V
C608	1-126-300-11	ELECT	0.47uF	20%	50V
C610	1-136-163-00	FILM	0.068uF	5%	50V
C611	1-136-163-00	FILM	0.068uF	5%	50V
C612	1-130-477-00	MYLAR	0.0033uF	5%	50V
C613	1-136-161-00	FILM	0.047uF	5%	50V
C614	1-126-163-11	ELECT	4.7uF	20%	50V
C615	1-126-023-11	ELECT	100uF	20%	16V
C617	1-124-034-51	ELECT	33uF	20%	16V
C618	1-126-022-11	ELECT	47uF	20%	16V
C619	1-126-301-11	ELECT	1uF	20%	50V
C620	1-126-301-11	ELECT	1uF	20%	50V
C621	1-126-059-11	ELECT	10uF	20%	50V
C622	1-126-301-11	ELECT	1uF	20%	50V
C630	1-164-019-11	CERAMIC	10PF	0.5PF	50V
C651	1-136-169-00	FILM	0.22uF	5%	50V
C701	1-126-161-11	ELECT	2.2uF	20%	50V
C702	1-164-081-11	CERAMIC	470PF	10%	50V
C703	1-162-286-31	CERAMIC	220PF	10%	50V
C704	1-124-994-11	ELECT	100uF	20%	10V
C706	1-124-122-11	ELECT	100uF	20%	50V
C707	1-124-122-11	ELECT	100uF	20%	50V
C708	1-136-163-00	FILM	0.068uF	5%	50V
C709	1-136-163-00	FILM	0.068uF	5%	50V
C710	1-124-587-11	ELECT	220uF	20%	6.3V
C711	1-124-587-11	ELECT	220uF	20%	6.3V
C712	1-124-443-00	ELECT	100uF	20%	10V
C713	1-136-163-00	FILM	0.068uF	5%	50V
C714	1-136-163-00	FILM	0.068uF	5%	50V
C715	1-126-300-11	ELECT	0.47uF	20%	50V
C716	1-162-291-31	CERAMIC	560PF	10%	50V (NEW TYPE)

Ref. No.	Part No.	Description	Remark		
C717	1-162-291-31	CERAMIC	560PF	10%	50V (NEW TYPE)
C718	1-161-377-00	CERAMIC	0.0047uF	20%	16V (NEW TYPE)
C719	1-161-377-00	CERAMIC	0.0047uF	20%	16V (NEW TYPE)
C720	1-161-377-00	CERAMIC	0.0047uF	20%	16V (NEW TYPE)
C721	1-161-494-00	CERAMIC	0.022uF		25V (NEW TYPE)
C722	1-136-165-00	FILM	0.1uF	5%	50V (NEW TYPE)
C723	1-136-165-00	FILM	0.1uF	5%	50V (NEW TYPE)
C724	1-161-377-00	CERAMIC	0.0047uF	20%	16V (NEW TYPE)
C725	1-161-377-00	CERAMIC	0.0047uF	20%	16V (NEW TYPE)
C751	1-126-161-11	ELECT	2.2uF	20%	50V
C752	1-164-081-11	CERAMIC	470PF	10%	50V
C753	1-162-286-31	CERAMIC	220PF	10%	50V
C754	1-124-994-11	ELECT	100uF	20%	10V
C758	1-136-163-00	FILM	0.068uF	5%	50V
C759	1-136-163-00	FILM	0.068uF	5%	50V
C763	1-136-163-00	FILM	0.068uF	5%	50V
C764	1-136-163-00	FILM	0.068uF	5%	50V
C802	1-126-138-11	ELECT	4700uF	20%	50V
C803	1-126-138-11	ELECT	4700uF	20%	50V
C804	1-161-021-11	CERAMIC	0.047uF	10%	25V
C805	1-161-021-11	CERAMIC	0.047uF	10%	25V
C806	1-124-910-11	ELECT	47uF	20%	50V
C807	1-130-493-00	MYLAR	0.068uF	5%	50V
C808	1-130-493-00	MYLAR	0.068uF	5%	50V
C810	1-126-162-11	ELECT	3.3uF	20%	50V
C811	1-124-887-00	ELECT	3300uF	20%	16V
C812	1-124-887-00	ELECT	3300uF	20%	16V
C813	1-126-059-11	ELECT	10uF	20%	50V
C814	1-126-059-11	ELECT	10uF	20%	50V
C815	1-124-994-11	ELECT	100uF	20%	10V
C816	1-124-994-11	ELECT	100uF	20%	10V
C817	1-161-021-11	CERAMIC	0.047uF	10%	25V
C818	1-161-021-11	CERAMIC	0.047uF	10%	25V
C819	1-124-910-11	ELECT	47uF	20%	50V
C820	1-124-910-11	ELECT	47uF	20%	50V
C821	1-124-920-11	ELECT	330uF	20%	63V
C822	1-126-059-11	ELECT	10uF	20%	50V
C823	1-126-059-11	ELECT	10uF	20%	50V
C824	1-126-059-11	ELECT	10uF	20%	50V
C828	1-164-159-11	CERAMIC	0.1uF		50V (NEW TYPE)
C829	1-164-159-11	CERAMIC	0.1uF		50V (NEW TYPE)
C830	1-124-910-11	ELECT	47uF	20%	50V
C831	1-164-159-11	CERAMIC	0.1uF		50V (NEW TYPE)
C832	1-164-159-11	CERAMIC	0.1uF		50V (NEW TYPE)

< CONNECTOR >

* CN1	1-564-321-00	PIN, CONNECTOR 2P
CN2	1-535-139-00	BASE POST 22MM (10MM PITCH) 2P
* CN301	1-566-858-41	SOCKET, CONNECTOR 11P

MAIN

POWER AMP

Ref. No.	Part No.	Description	Remark
* CN302	1-564-509-11	PLUG, CONNECTOR 6P	
* CN303	1-568-834-11	SOCKET, CONNECTOR 15P	
CN501	1-568-319-11	SOCKET, CONNECTOR 8P	
CN502	1-568-319-11	SOCKET, CONNECTOR 8P	
* CN601	1-564-508-11	PLUG, CONNECTOR 5P	
* CN602	1-564-507-11	PLUG, CONNECTOR 4P	
* CN702	1-564-518-11	PLUG, CONNECTOR 3P	
* CN703	1-564-519-11	PLUG, CONNECTOR 4P	
* CN704	1-564-521-11	PLUG, CONNECTOR 6P	
* CN705	1-564-509-11	PLUG, CONNECTOR 6P	
* CN706	1-564-507-11	PLUG, CONNECTOR 4P	
* CN707	1-564-508-11	PLUG, CONNECTOR 5P	
* CN801	1-566-859-11	SOCKET, CONNECTOR 15P	
< DIODE >			
D401	8-719-000-54	DIODE UZL-6L3	
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	8-719-014-74	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	
< FUSE >			
△ F1	1-532-286-00	FUSE (T2, 5A) 250V	
△ 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 uPD4066BCP	
IC302	8-759-202-61	IC TC4094BP	

Ref. No.	Part No.	Description	Remark
IC501	8-759-634-51	IC M5218AP	
IC502	8-759-000-49	IC uPD4066BCP	
IC503	8-759-822-26	IC LC7522K	
IC504	8-759-633-78	IC M5289P	
IC554	8-759-633-78	IC M5289P	
IC601	8-759-634-51	IC M5218AP	
IC602	8-759-043-16	IC M51134P	
IC701	8-749-922-94	IC STK401-080	
IC702	8-759-111-68	IC uPC1237HA	
IC801	8-759-604-86	IC M5F7807L	
IC802	8-759-604-90	IC M5F7907L	
< IC LINK >			
△ ICP801	1-532-843-21	LINK, IC (PRF 2500)	
△ ICP802	1-532-843-21	LINK, IC (PRF 2500)	
< JACK >			
J701	1-565-352-41	JACK, PIN 2P (SURROUND SPEAKER)	
< 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	
Q505	8-729-900-80	TRANSISTOR DTC114ES	
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	

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

MAIN

POWER AMP

Ref. No.	Part No.	Description	Remark		
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
R502	1-249-437-11	CARBON	47K	5%	1/4W
R503	1-247-897-11	CARBON	560K	5%	1/4W
R504	1-249-435-11	CARBON	33K	5%	1/4W
R505	1-249-432-11	CARBON	18K	5%	1/4W
R506	1-249-429-11	CARBON	10K	5%	1/4W
R507	1-247-887-00	CARBON	220K	5%	1/4W
R508	1-249-427-11	CARBON	6.8K	5%	1/4W
R509	1-249-427-11	CARBON	6.8K	5%	1/4W
R510	1-247-903-00	CARBON	1M	5%	1/4W
R511	1-247-903-00	CARBON	1M	5%	1/4W
R512	1-247-903-00	CARBON	1M	5%	1/4W
R513	1-247-903-00	CARBON	1M	5%	1/4W
R514	1-247-903-00	CARBON	1M	5%	1/4W
R515	1-247-903-00	CARBON	1M	5%	1/4W
R516	1-247-903-00	CARBON	1M	5%	1/4W
R517	1-249-408-11	CARBON	180	5%	1/4W
R518	1-249-417-11	CARBON	1K	5%	1/4W
R519	1-249-429-11	CARBON	10K	5%	1/4W
R520	1-249-435-11	CARBON	33K	5%	1/4W
R521	1-249-433-11	CARBON	22K	5%	1/4W
R522	1-249-433-11	CARBON	22K	5%	1/4W
R523	1-249-433-11	CARBON	22K	5%	1/4W
R551	1-247-897-11	CARBON	560K	5%	1/4W
R552	1-249-437-11	CARBON	47K	5%	1/4W
R553	1-247-897-11	CARBON	560K	5%	1/4W
R556	1-249-429-11	CARBON	10K	5%	1/4W
R557	1-247-887-00	CARBON	220K	5%	1/4W
R558	1-249-427-11	CARBON	6.8K	5%	1/4W
R559	1-249-427-11	CARBON	6.8K	5%	1/4W
R560	1-247-903-00	CARBON	1M	5%	1/4W
R561	1-247-903-00	CARBON	1M	5%	1/4W
R562	1-247-903-00	CARBON	1M	5%	1/4W
R563	1-247-903-00	CARBON	1M	5%	1/4W
R564	1-247-903-00	CARBON	1M	5%	1/4W
R565	1-247-903-00	CARBON	1M	5%	1/4W
R566	1-247-903-00	CARBON	1M	5%	1/4W
R569	1-249-429-11	CARBON	10K	5%	1/4W
R570	1-249-435-11	CARBON	33K	5%	1/4W
R601	1-249-429-11	CARBON	10K	5%	1/4W
R602	1-249-438-11	CARBON	56K	5%	1/4W
R603	1-247-848-11	CARBON	5.1K	5%	1/4W

Ref. No.	Part No.	Description	Remark		
R604	1-249-429-11	CARBON	10K	5%	1/4W
R606	1-249-429-11	CARBON	10K	5%	1/4W
R607	1-249-417-11	CARBON	1K	5%	1/4W
R608	1-249-438-11	CARBON	56K	5%	1/4W
R609	1-249-441-11	CARBON	100K	5%	1/4W
R610	1-247-898-11	CARBON	620K	5%	1/4W
R611	1-247-887-00	CARBON	220K	5%	1/4W
R612	1-247-887-00	CARBON	220K	5%	1/4W
R613	1-247-887-00	CARBON	220K	5%	1/4W
R614	1-249-435-11	CARBON	33K	5%	1/4W
R641	1-249-429-11	CARBON	10K	5%	1/4W
R643	1-249-441-11	CARBON	100K	5%	1/4W
R644	1-247-887-00	CARBON	220K	5%	1/4W
R651	1-249-429-11	CARBON	10K	5%	1/4W
R701	1-249-417-11	CARBON	1K	5%	1/4W
R702	1-249-438-11	CARBON	56K	5%	1/4W
R703	1-249-412-11	CARBON	390	5%	1/4W
R704	1-249-438-11	CARBON	56K	5%	1/4W
△ R705	1-212-881-11	FUSIBLE	100	5%	1/4W F
△ R706	1-212-881-11	FUSIBLE	100	5%	1/4W F
R707	1-249-417-11	CARBON	1K	5%	1/4W
R708	1-249-430-11	CARBON	12K	5%	1/4W
R709	1-249-441-11	CARBON	100K	5%	1/4W
△ R710	1-217-156-00	RES, METAL PLATE	0.22		5W F
R711	1-247-727-11	CARBON	10	5%	1/2W
R712	1-247-727-11	CARBON	10	5%	1/2W
R713	1-249-438-11	CARBON	56K	5%	1/4W
R714	1-249-429-11	CARBON	10K	5%	1/4W
R715	1-249-441-11	CARBON	100K	5%	1/4W
R716	1-249-417-11	CARBON	1K	5%	1/4W
R718	1-249-437-11	CARBON	47K	5%	1/4W
R719	1-249-487-11	CARBON	15K	5%	1/2W
△ R720	1-216-456-00	METAL OXIDE	820	5%	2W F
R721	1-247-727-11	CARBON	10	5%	1/2W
R722	1-247-903-00	CARBON	1M	5%	1/4W
R723	1-249-433-11	CARBON	22K	5%	1/4W
R724	1-249-428-11	CARBON	8.2K	5%	1/4W
R751	1-249-417-11	CARBON	1K	5%	1/4W
R752	1-249-438-11	CARBON	56K	5%	1/4W
R753	1-249-412-11	CARBON	390	5%	1/4W
R754	1-249-438-11	CARBON	56K	5%	1/4W
R757	1-249-417-11	CARBON	1K	5%	1/4W
R758	1-249-430-11	CARBON	12K	5%	1/4W
R759	1-249-441-11	CARBON	100K	5%	1/4W
△ R760	1-217-156-00	RES, METAL PLATE	0.22		5W F
R761	1-247-727-11	CARBON	10	5%	1/2W
R762	1-247-727-11	CARBON	10	5%	1/2W
R763	1-249-437-11	CARBON	47K	5%	1/4W
R771	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

MIC

PANEL

Ref. No.	Part No.	Description	Remark		
R773	1-249-433-11	CARBON	22K	5%	1/4W
△ R801	1-215-917-11	METAL OXIDE	1K	5%	3W F
△ R802	1-215-917-11	METAL OXIDE	1K	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 BOARD >

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

* 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)

< 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

Ref. No.	Part No.	Description	Remark		
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-4347-263-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
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

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
C919	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 4, 19MHz

< 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

< 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
 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
 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)

Ref. No.	Part No.	Description	Remark
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 (PHONO)	
D942	8-719-301-39	LED SEL2210S (TUNER)	
D943	8-719-301-39	LED SEL2210S (CD)	
D944	8-719-301-39	LED SEL2210S (TAPE)	
D945	8-719-301-39	LED SEL2210S (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 (DAT)	

< FLUORESCENT INDICATOR >

FL901 1-519-737-11 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
 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

PANEL

Ref. No.	Part No.	Description	Remark
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	
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	
< 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
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

Ref. No.	Part No.	Description	Remark
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
R928	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
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
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

PANEL

PIN JACK

Ref. No.	Part No.	Description	Remark		
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 SYNTHESISER LEVEL)		
RV602	1-238-459-11	RES. VAR. CARBON 100K (BALANCE)			
< 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	(LEVEL)		
S909	1-554-303-21	SWITCH, TACTILE	(CD DIRECT)		
S910	1-554-303-21	SWITCH, TACTILE	(SRECT 10)		
S911	1-554-303-21	SWITCH, TACTILE	(CD)		
S912	1-554-303-21	SWITCH, TACTILE	(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)		

Ref. No.	Part No.	Description	Remark		
S923	1-554-303-21	SWITCH, TACTILE (BASS SYNTH)			

*	A-4347-268-A	PIN JACK BOARD			

< CAPACITOR >					
C101	1-162-288-31	CERAMIC	330PF	10%	50V
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
C110	1-162-286-31	CERAMIC	220PF	10%	50V
C111	1-126-233-11	ELECT	22uF	20%	50V
C112	1-162-286-31	CERAMIC	220PF	10%	50V
C113	1-126-233-11	ELECT	22uF	20%	50V
C114	1-162-286-31	CERAMIC	220PF	10%	50V
C115	1-162-286-31	CERAMIC	220PF	10%	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
C119	1-164-077-11	CERAMIC	220PF	10%	50V (NEW TYPE)
C120	1-164-159-11	CERAMIC	0. 1uF		50V (NEW TYPE)
C151	1-162-288-31	CERAMIC	330PF	10%	50V
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
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
C160	1-162-286-31	CERAMIC	220PF	10%	50V
C161	1-126-233-11	ELECT	22uF	20%	50V
C162	1-162-286-31	CERAMIC	220PF	10%	50V
C163	1-126-233-11	ELECT	22uF	20%	50V
C164	1-162-286-31	CERAMIC	220PF	10%	50V
C165	1-162-286-31	CERAMIC	220PF	10%	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
C169	1-164-077-11	CERAMIC	220PF	10%	50V (NEW TYPE)
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

PIN JACK

Ref.No.	Part No.	Description	Remark		
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
J102	1-565-304-11	JACK, PIN 4P
J201	1-565-934-11	JACK, PIN 2P
J202	1-565-934-11	JACK, PIN 2P

< 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

< 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

Ref.No.	Part No.	Description	Remark		
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
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

PIN JACK

VOL

Ref.No.	Part No.	Description	Remark		
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		
		< RESISTOR >			
R914	1-249-405-11	CARBON	100	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
R944	1-249-412-11	CARBON	390	5%	1/4W
		< 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	1-575-654-11	CORD, POWER			
△ F1	1-532-286-00	FUSE (T2.5A)			
△ F801	1-532-203-00	FUSE (T2.0A)			
△ F802	1-532-203-00	FUSE (T2.0A)			
△ T901	1-450-872-11	TRANSFORMER, POWER			

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	Remark
ACCESSORIES & PACKING MATERIALS			

	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)