

TA-D507

SERVICE MANUAL

AEP Model
UK Model
East European Model



This set is the amplifier section in LBT-D507/D507CD/D507CDM.

SPECIFICATIONS

Continuous RMS power output

60 W + 60 W
(6 ohms, at 1 kHz, 5 % THD)
50 W + 50 W
(6 ohms, DIN, 1 kHz)

Music power output

90 W + 90 W
(6 ohms, at 1 kHz, 10 % THD)

Input	Jack type	Sensitivity	Impedance
PHONO (MM)	Phono	3.3 mV	47 kohms
VIDEO	Phono	270 mV	47 kohms

Audio output	Jack type	Impedance
SURROUND SPEAKER	Phono	Accepts speakers of 16 ohms
HEADPHONES	Stereophone	Accepts headphones of 8 ohms or more

Frequency response

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

Power requirements

220 – 230 V AC, 50/60 Hz

Power consumption

150 W

Weight

Approx. 6.0 kg

Dimensions

Approx. 355 × 132 × 320 mm
(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.



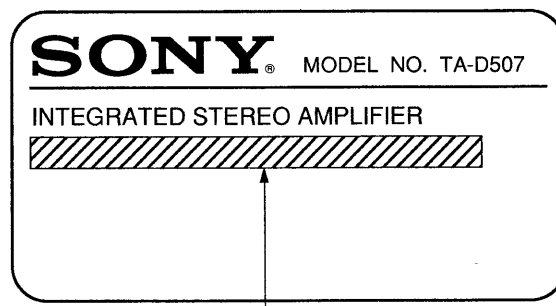
INTEGRATED STEREO AMPLIFIER
SONY®

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
SECTION 1. GENERAL		3
SECTION 2. DIAGRAMS		
2-1. Circuit Boards Location		3
2-2. Schematic Diagrams — Panel Section —		4
2-3. Schematic Diagrams — Main Section —		8
2-4. Printed Wiring Boards		13
2-5. Semiconductor Lead Layouts		18
SECTION 3. EXPLODED VIEWS		
3-1. Cabinet Section		20
3-2. Main Board Section		21
SECTION 4. ELECTRICAL PARTS LIST		22

MODEL IDENTIFICATION

— Model Number Portion —



AEP, Italian, East European model : AC : 220—230V ~ 50/60Hz

Germany model : SYSTEM LBT-D507

AC : 220—230V ~ 50/60Hz

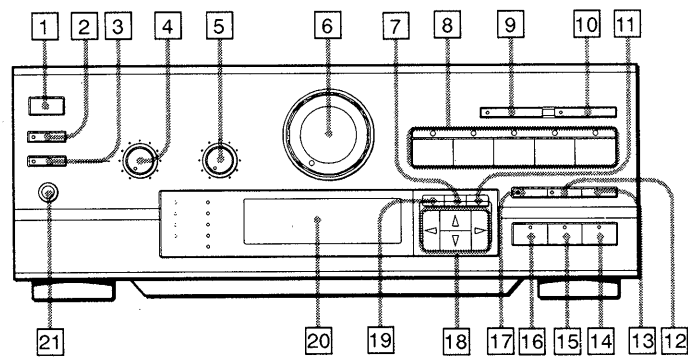
UK model : AC : 240V ~ 50/60Hz

SAFETY-RELATED COMPONENT WARNING!!

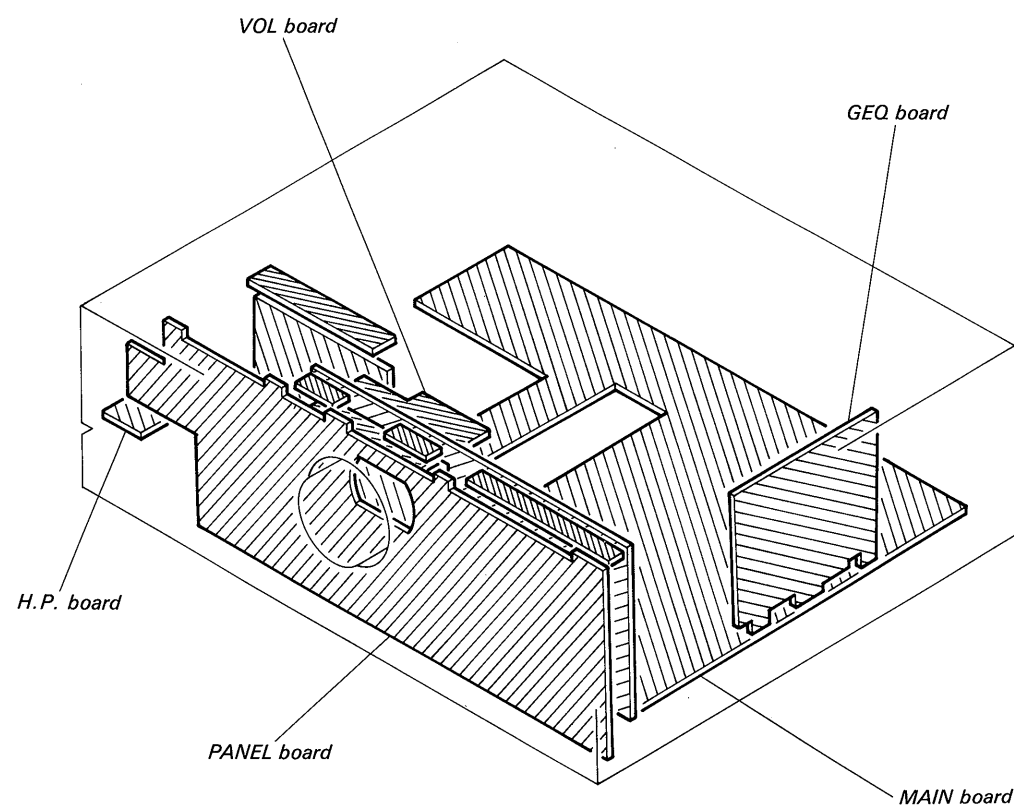
COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

This section is extracted from instruction manual.

- 2 POWER switch (16)
- 3 EFFECT button and indicator (60)
- 4 DBFS button and indicator (18)
- 5 DBFS LEVEL control and indicator (18)
- 6 BALANCE control (18)
- 7 VOLUME control (18)
- 8 F1 button (62)
- 9 Function selectors and indicators
- 10 EQ REC button and indicator (40)
- 11 PROGRAM FUNCTION button and indicator (122)
- 12 REVERSE button (62)
- 13 SURROUND MODE button and indicator (40)
- 14 SURROUND LEVEL button (54)
- 15 EQ button and indicator (58)
- 16 PERSONAL FILE 1 – 5 button and indicator (64)
- 17 SELECT 5 button and indicator (56)
- 18 MEMORY button and indicator (64)
- 19 CURSOR CONTROL buttons (66, 58, 64, 66)
- 20 DISPLAY button (62)
- 21 Display window
- 22 HEADPHONES jack



2-1. CIRCUIT BOARDS LOCATION



[VOL BOARD]

IC601 MOTOR DRIVER
RV601-1 10K
RV601-2 100K
RV601-3 100K
RV601-4 100K
RV601-5 100K
RV601-6 100K
RV601-7 100K
RV601-8 100K
RV601-9 100K
RV601-10 100K
RV601-11 100K
RV601-12 100K
RV601-13 100K
RV601-14 100K
RV601-15 100K
RV601-16 100K
RV601-17 100K
RV601-18 100K
RV601-19 100K
RV601-20 100K
RV601-21 100K
RV601-22 100K
RV601-23 100K
RV601-24 100K
RV601-25 100K
RV601-26 100K
RV601-27 100K
RV601-28 100K
RV601-29 100K
RV601-30 100K
RV601-31 100K
RV601-32 100K
RV601-33 100K
RV601-34 100K
RV601-35 100K
RV601-36 100K
RV601-37 100K
RV601-38 100K
RV601-39 100K
RV601-40 100K
RV601-41 100K
RV601-42 100K
RV601-43 100K
RV601-44 100K
RV601-45 100K
RV601-46 100K
RV601-47 100K
RV601-48 100K
RV601-49 100K
RV601-50 100K
RV601-51 100K
RV601-52 100K
RV601-53 100K
RV601-54 100K
RV601-55 100K
RV601-56 100K
RV601-57 100K
RV601-58 100K
RV601-59 100K
RV601-60 100K
RV601-61 100K
RV601-62 100K
RV601-63 100K
RV601-64 100K
RV601-65 100K
RV601-66 100K
RV601-67 100K
RV601-68 100K
RV601-69 100K
RV601-70 100K
RV601-71 100K
RV601-72 100K
RV601-73 100K
RV601-74 100K
RV601-75 100K
RV601-76 100K
RV601-77 100K
RV601-78 100K
RV601-79 100K
RV601-80 100K
RV601-81 100K
RV601-82 100K
RV601-83 100K
RV601-84 100K
RV601-85 100K
RV601-86 100K
RV601-87 100K
RV601-88 100K
RV601-89 100K
RV601-90 100K
RV601-91 100K
RV601-92 100K
RV601-93 100K
RV601-94 100K
RV601-95 100K
RV601-96 100K
RV601-97 100K
RV601-98 100K
RV601-99 100K
RV601-100 100K

[PANEL BOARD]

IC501 RESET
IC502 SYSTEM CONTROL
IC503 FLT DRIVE
IC504 BPF

[IC502 SYSTEM CONTROL]

PROGRAM
TUNER
EQ
TAPES
VIBED
K04
K05
K06
K07
K08
K09
K10
K11
K12
K13
K14
K15
K16
K17
K18
K19
K20
K21
K22
K23
K24
K25
K26
K27
K28
K29
K30
K31
K32
K33
K34
K35
K36
K37
K38
K39
K40
K41
K42
K43
K44
K45
K46
K47
K48
K49
K50
K51
K52
K53
K54
K55
K56
K57
K58
K59
K60
K61
K62
K63
K64
K65
K66
K67
K68
K69
K70
K71
K72
K73
K74
K75
K76
K77
K78
K79
K80
K81
K82
K83
K84
K85
K86
K87
K88
K89
K90
K91
K92
K93
K94
K95
K96
K97
K98
K99
K100

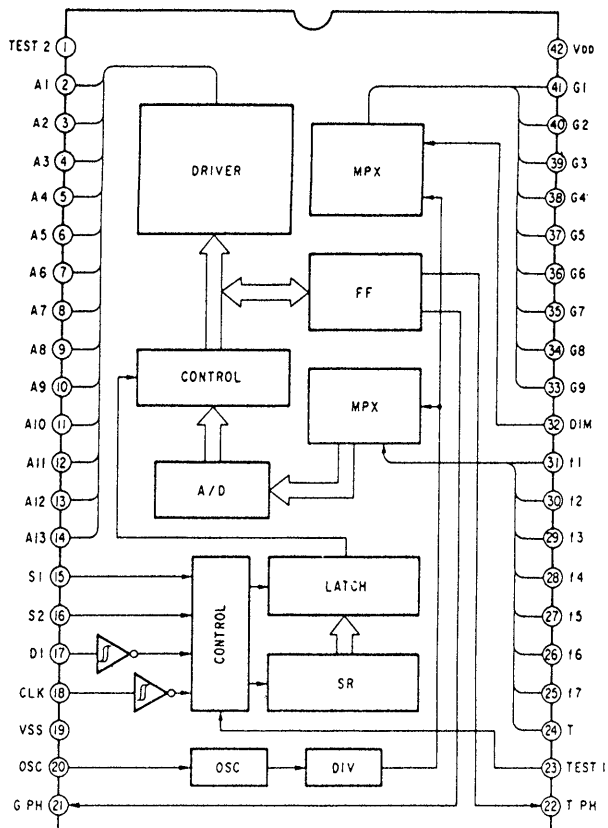
CONNECTOR TABLE

Connector	Pin	Signal
CN501	1	CLK
	2	MIX
	3	-2V
	4	EQ REC2
	5	HF
	6	EQ REC1
	7	STING
	8	VF
	9	FONT C
	10	FONT B
CN502	1	CLK
	2	MIX
	3	-2V
	4	EQ REC2
	5	HF
	6	EQ REC1
	7	STING
	8	VF
	9	FONT C
	10	FONT B
CN503	1	CLK
	2	MIX
	3	-2V
	4	EQ REC2
	5	HF
	6	EQ REC1
	7	STING
	8	VF
	9	FONT C
	10	FONT B
CN504	1	CLK
	2	MIX
	3	-2V
	4	EQ REC2
	5	HF
	6	EQ REC1
	7	STING
	8	VF
	9	FONT C
	10	FONT B
CN505	1	CLK
	2	MIX
	3	-2V
	4	EQ REC2
	5	HF
	6	EQ REC1
	7	STING
	8	VF
	9	FONT C
	10	FONT B
CN506	1	CLK
	2	MIX
	3	-2V
	4	EQ REC2
	5	HF
	6	EQ REC1
	7	STING
	8	VF
	9	FONT C
	10	FONT B
CN507	1	CLK
	2	MIX
	3	-2V
	4	EQ REC2
	5	HF
	6	EQ REC1
	7	STING
	8	VF
	9	FONT C
	10	FONT B
CN508	1	CLK
	2	MIX
	3	-2V
	4	EQ REC2
	5	HF
	6	EQ REC1
	7	STING
	8	VF
	9	FONT C
	10	FONT B

- All capacitors are in μF unless otherwise noted. $p\text{F} = \mu\text{F} \times 10^{-6}$
- 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
 -  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 $10M\Omega$).
- Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.

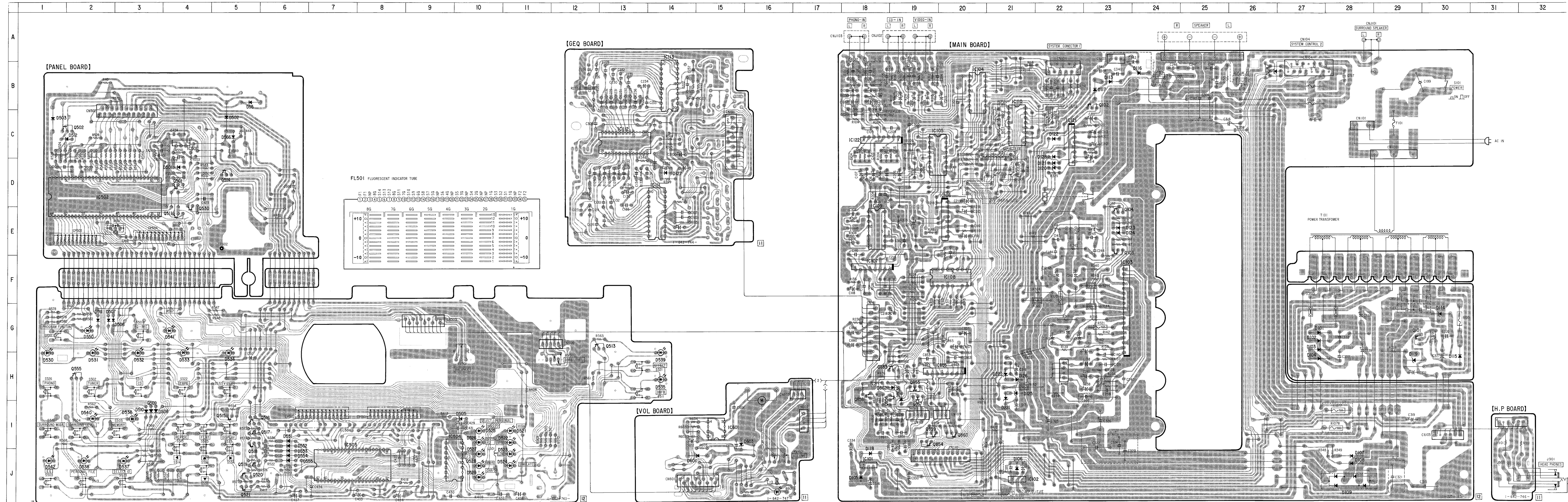
 : CD
 G: Germany
 IT: Italian
 EE: East European

[illegible]

● Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D55	B-5	D537	J-3	Q853	H-19
D101	G-27	D538	J-2	Q854	I-19
D102	G-27	D539	G-14	Q855	H-19
D103	G-27	D540	I-2	Q856	H-18
D104	H-27	D541	G-2	Q857	H-19
D105	J-18	D542	J-2	Q858	H-18
D106	J-21	D550	G-2	Q859	I-19
D107	J-28	D551	I-6	Q860	I-19
D108	J-28	D552	I-6		
D109	J-28	D553	I-6		
D113	B-23	D554	J-6		
D114	G-30	D555	J-6		
D115	H-30	D566	C-5		
D116	B-24	D601	J-14		
D117	B-23	D603	J-15		
D118	J-18	D862	H-19		
D119	H-29	D863	H-19		
D120	D-22				
D121	D-22	IC101	J-18		
D122	C-22	IC102	J-21		
D123	E-23	IC103	F-23		
D124	E-23	IC104	B-20		
D125	H-21	IC105	C-19		
D126	H-21	IC106	E-20		
D127	D-14	IC107	F-18		
D128	C-22	IC108	F-20		
D218	B-26	IC109	E-18		
D221	H-21	IC110	C-21		
D222	H-21	IC111	E-14		
D501	D-4	IC112	C-13		
D502	C-5	IC113	B-14		
D503	C-1	IC121	C-22		
D505	I-10	IC122	C-18		
D506	G-2	IC501	C-4		
D507	G-2	IC502	D-2		
D508	I-3	IC503	J-7		
D509	I-3	IC504	J-10		
D510	I-3	IC601	I-15		
D511	G-2	IC855	H-20		
D512	C-1				
D521	I-11	Q101	G-29		
D522	I-11	Q102	B-23		
D523	J-11	Q103	E-23		
D524	J-11	Q104	E-23		
D525	I-10	Q511	E-4		
D526	I-10	Q513	G-13		
D527	J-10	Q514	D-5		
D528	J-10	Q515	I-5		
D529	J-10	Q516	I-5		
D530	G-1	Q517	I-5		
D531	G-2	Q518	I-5		
D532	G-3	Q519	J-5		
D533	G-4	Q520	J-5		
D534	G-5	Q521	J-5		
D535	H-14	Q530	D-4		
D536	I-3	Q555	H-2		

2-4. PRINTED WIRING BOARDS

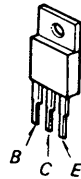


2-5. SEMICONDUCTOR LEAD LAYOUT

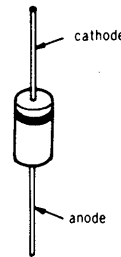
M51943BSL



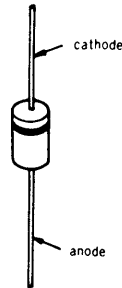
2SB1094-LK



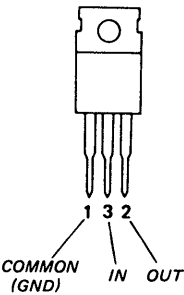
10E2N
1N4148M
1S1585



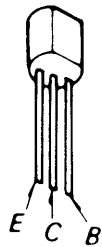
UZL-6L3
UZL-6M2
UZL-7L3
UZP-5.6B



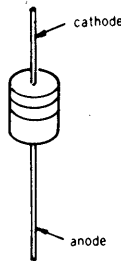
M5F7907



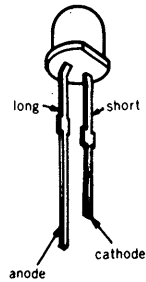
2SC1841-PAFAEA



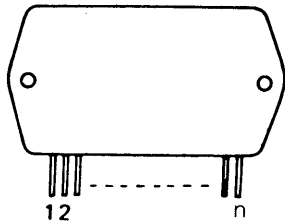
11ES2
HZL-7M1
HZS33-2L
HZS6AIL



SEL2210S-D



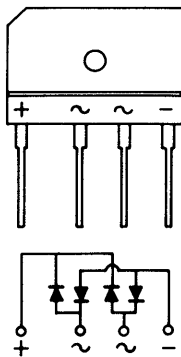
STK-4152MK2K



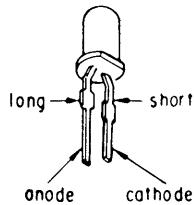
2SC2603-EF
2SC3622A-LK
DTA-124ES
DTC-124ES



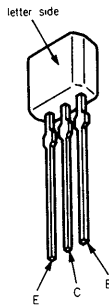
RBV-602-01



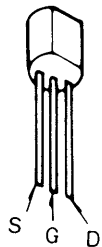
SEL3210S-CD



2SA1175-HFE



2SK246-Y



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)

- 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.

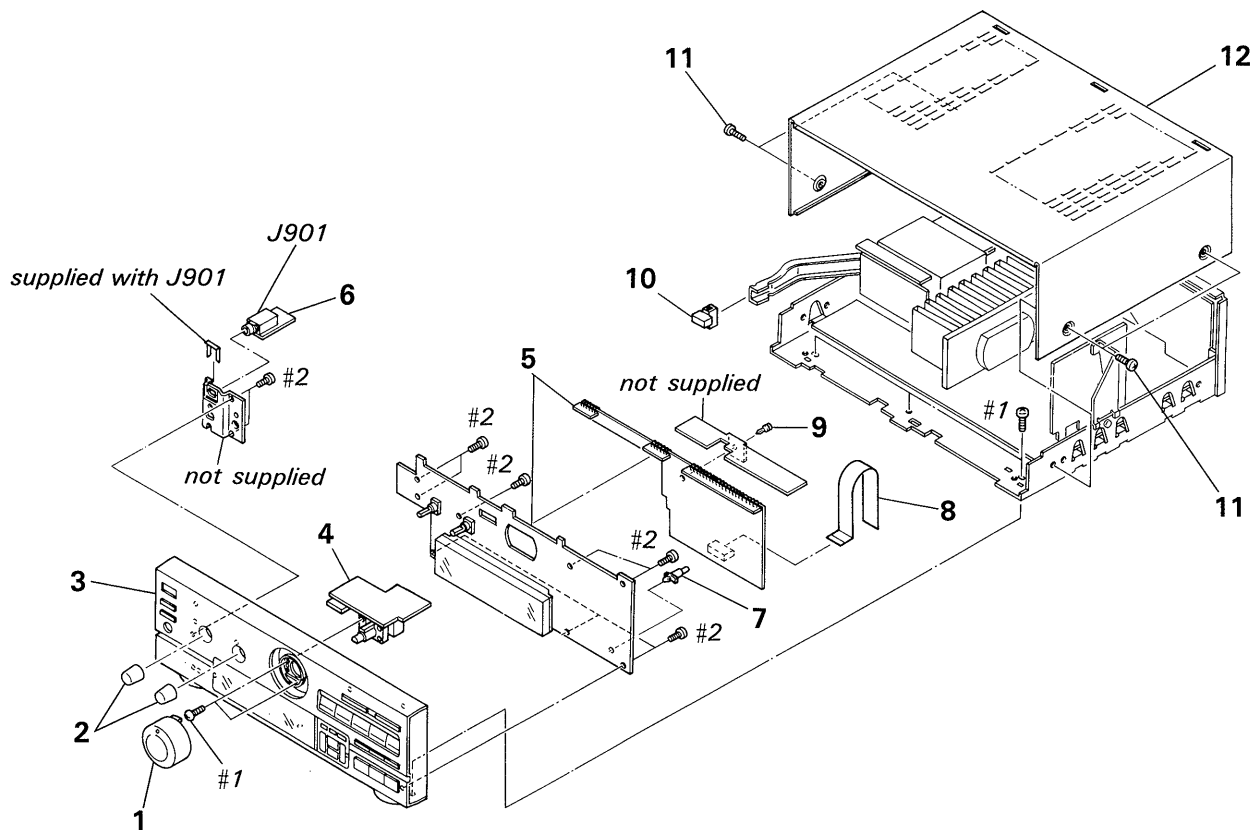
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

G: Germany

IT: Italian

EE : East European

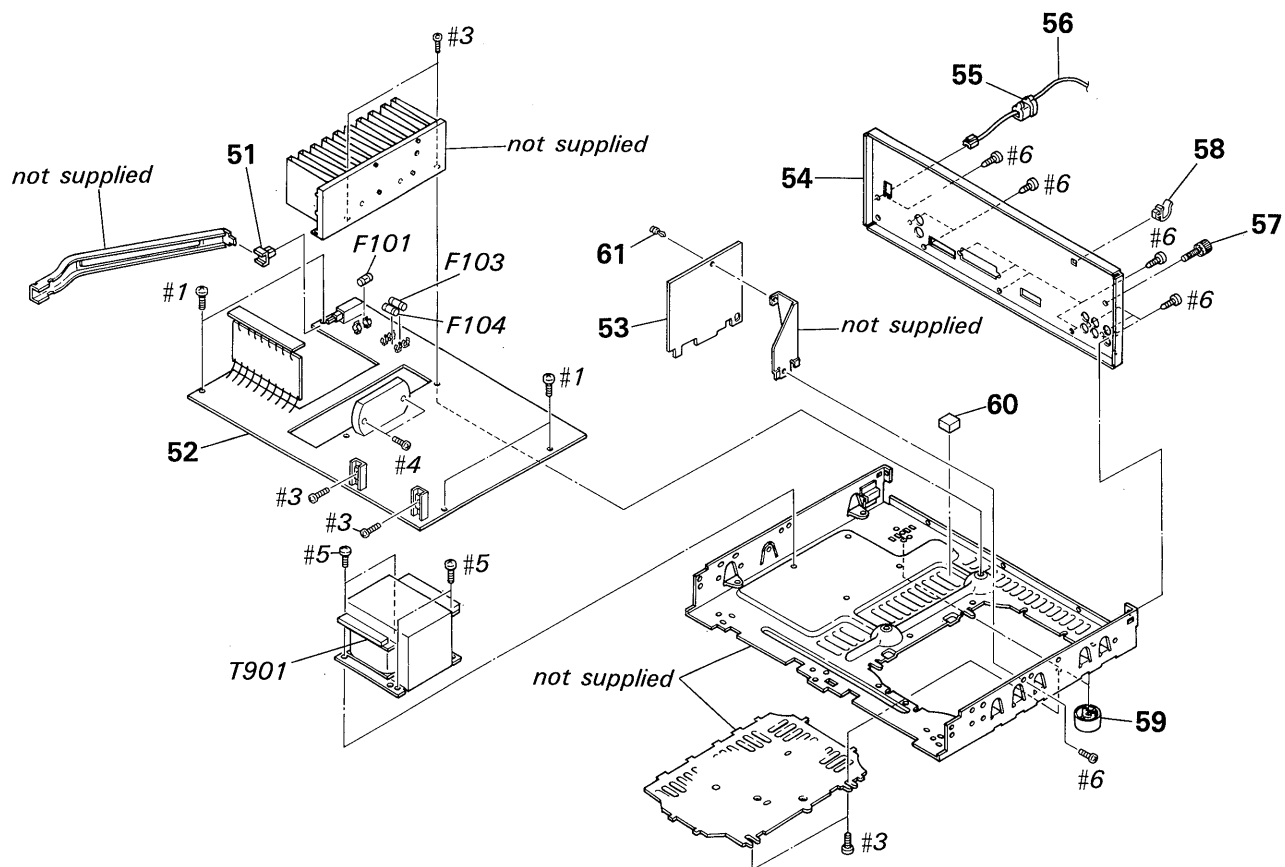
3-1. CABINET SECTION



Ref. No.	Part No.	Description	Remarks
1	X-4942-417-1	KNOB ASSY, ROUND (IT)	
1	X-4942-418-1	KNOB ASSY, ROUND (AEP, G, EE, UK)	
2	4-950-651-01	KNOB (DIA. 16), ROUND (IT)	
2	4-950-651-11	KNOB (DIA. 16), ROUND (AEP, G, EE, UK)	
3	X-4942-431-1	PANEL ASSY, FRONT (AEP, G, EE, UK)	
3	X-4942-433-1	PANEL ASSY, FRONT (IT)	
* 4	1-642-747-11	VOL BOARD	
* 5	A-4347-275-A	PANEL BOARD, COMPLETE	
* 6	1-642-746-11	H. P. BOARD	

Ref. No.	Part No.	Description	Remark
* 7	4-924-098-31	HOLDER, PC BOARD	
8	1-690-697-11	WIRE (FLAT TYPE) (23 CORE)	
9	4-812-134-11	RIVET NYLON, 3.5	
10	4-942-061-01	BUTTON (P) (1T)	
10	4-942-061-11	BUTTON (P) (AEP, G, EE, UK)	
11	3-363-099-01	SCREW (CASE +3X8 TP2)	
* 12	4-939-803-91	CASE (1T)	
* 12	4-949-912-11	CASE (AEP, G, EE, UK)	
J901	1-507-854-00	JACK, PHONE	

3-2. MAIN BOARD SECTION



Ref. No.	Part No.	Description	Remark
51	4-866-342-00	JOINT (B), KNOB	
* 52	A-4347-265-A	MAIN BOARD, COMPLETE (UK)	
* 52	A-4347-266-A	MAIN BOARD, COMPLETE (AEP, EE)	
* 52	A-4347-272-A	MAIN BOARD, COMPLETE (G, IT)	
* 53	A-4347-276-A	GEQ BOARD, COMPLETE	
* 54	4-950-662-11	PANEL (B3120), BACK (AEP, EE)	
* 54	4-950-662-21	PANEL (B3120), BACK (UK)	
* 54	4-950-662-41	PANEL (B3120), BACK (G)	
* 54	4-950-662-51	PANEL (B3120), BACK (IT)	
* 55	3-703-244-00	BUSHING (2104), CORD	
⚠ 56	1-575-654-11	CORD, POWER (AEP, G, IT, EE)	

Ref. No.	Part No.	Description	Remark
⚠ 56	1-575-669-21	CORD, POWER (UK)	
57	4-947-010-01	SCREW, FEEDER FIXED	
* 58	4-949-235-01	HOOK	
59	4-931-169-01	FOOT	
* 60	4-932-867-01	CUSHION	
61	4-812-134-11	RIVET NYLON, 3.5	
⚠ F101	1-532-259-00	FUSE (T1.6A)	
⚠ F103	1-532-203-00	FUSE (T2.0A)	
⚠ F104	1-532-203-00	FUSE (T2.0A)	
⚠ T901	1-450-812-11	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

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.

G: Germany

IT: Italian

EE: East European

Ref. No.	Part No.	Description	Remark
*	A-4347-266-A	MAIN BOARD, COMPLETE (AEP, EE)	
*	A-4347-272-A	MAIN BOARD, COMPLETE (G, IT)	
*	A-4347-265-A	MAIN BOARD, COMPLETE (UK)	

*	1-533-213-31	HOLDER, FUSE	
*	3-309-144-21	HEAT SINK	
*	4-942-204-01	PLATE, GROUND	
	7-682-548-04	SCREW +BVTT 3X8 (S)	
		< CAPACITOR >	
C49	1-102-394-11	CERAMIC 0.01uF	250V
C101	1-126-161-11	ELECT 2.2uF 20%	50V
C102	1-162-282-31	CERAMIC 100PF 10%	50V
C103	1-126-022-11	ELECT 47uF 20%	16V
C104	1-106-347-00	MYLAR 1500PF 5%	200V
C105	1-130-480-00	MYLAR 0.0056uF 5%	50V
C106	1-124-464-11	ELECT 0.22uF 20%	50V
C107	1-126-022-11	ELECT 47uF 20%	16V
C108	1-162-286-31	CERAMIC 220PF 10%	50V (G, IT)
C109	1-162-219-31	CERAMIC 68PF 5%	50V
C110	1-162-207-31	CERAMIC 22PF 5%	50V
C112	1-126-163-11	ELECT 4.7uF 20%	50V
C113	1-126-163-11	ELECT 4.7uF 20%	50V
C114	1-162-286-31	CERAMIC 220PF 10%	50V (G, IT)
C115	1-162-286-31	CERAMIC 220PF 10%	50V (G, IT)
C116	1-162-219-31	CERAMIC 68PF 5%	50V
C117	1-162-294-31	CERAMIC 0.001uF 10%	50V
C118	1-126-059-11	ELECT 10uF 20%	50V
C119	1-126-022-11	ELECT 47uF 20%	16V
C138	1-126-059-11	ELECT 10uF 20%	50V
C139	1-162-282-31	CERAMIC 100PF 10%	50V
C140	1-162-286-31	CERAMIC 220PF 10%	50V
C141	1-126-101-11	ELECT 100uF 20%	16V
C143	1-124-910-11	ELECT 47uF 20%	50V

Ref. No.	Part No.	Description	Remark
C144	1-136-163-00	FILM 0.068uF 5%	50V
C145	1-136-163-00	FILM 0.068uF 5%	50V
C146	1-136-163-00	FILM 0.068uF 5%	50V (G, IT)
C147	1-136-163-00	FILM 0.068uF 5%	50V (G, IT)
C148	1-161-494-00	CERAMIC 0.022uF	25V
C155	1-162-286-31	CERAMIC 220PF 10%	50V (G, IT)
C157	1-136-161-00	FILM 0.047uF 5%	50V
C170	1-126-049-11	ELECT 22uF 20%	25V
Δ C199	1-161-744-00	CERAMIC 0.01uF	400V
C201	1-126-161-11	ELECT 2.2uF 20%	50V
C202	1-162-282-31	CERAMIC 100PF 10%	50V
C203	1-126-022-11	ELECT 47uF 20%	16V
C204	1-106-347-00	MYLAR 1500PF 5%	200V
C205	1-130-480-00	MYLAR 0.0056uF 5%	50V
C206	1-124-464-11	ELECT 0.22uF 20%	50V
C207	1-126-022-11	ELECT 47uF 20%	16V
C208	1-162-286-31	CERAMIC 220PF 10%	50V (G, IT)
C209	1-162-219-31	CERAMIC 68PF 5%	50V
C210	1-162-207-31	CERAMIC 22PF 5%	50V
C212	1-126-163-11	ELECT 4.7uF 20%	50V
C213	1-126-163-11	ELECT 4.7uF 20%	50V
C214	1-162-286-31	CERAMIC 220PF 10%	50V (G, IT)
C215	1-162-286-31	CERAMIC 220PF 10%	50V (G, IT)
C216	1-162-219-31	CERAMIC 68PF 5%	50V
C217	1-162-294-31	CERAMIC 0.001uF 10%	50V
C218	1-126-059-11	ELECT 10uF 20%	50V
C219	1-126-022-11	ELECT 47uF 20%	16V
C238	1-126-059-11	ELECT 10uF 20%	50V
C239	1-162-282-31	CERAMIC 100PF 10%	50V
C240	1-162-286-31	CERAMIC 220PF 10%	50V
C241	1-126-101-11	ELECT 100uF 20%	16V
C243	1-124-910-11	ELECT 47uF 20%	50V
C244	1-136-163-00	FILM 0.068uF 5%	50V

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C245	1-136-163-00	FILM	0.068uF 5% 50V	C361	1-136-155-00	FILM	0.015uF 5% 50V
C246	1-136-163-00	FILM	0.068uF 5% 50V (G, IT)	C362	1-136-161-00	FILM	0.047uF 5% 50V
C247	1-136-163-00	FILM	0.068uF 5% 50V (G, IT)	C364	1-161-379-00	CERAMIC	0.01uF 30% 25V (G, IT)
C248	1-161-494-00	CERAMIC	0.022uF 25V	C365	1-161-379-00	CERAMIC	0.01uF 30% 25V (G, IT)
C255	1-161-286-31	CERAMIC	220PF 10% 50V (G, IT)	C851	1-136-176-00	FILM	0.82uF 5% 50V
C257	1-136-161-00	FILM	0.047uF 5% 50V	C852	1-136-164-00	FILM	0.082uF 5% 50V
C258	1-164-159-11	CERAMIC	0.1uF 50V	C853	1-162-219-31	CERAMIC	68PF 5% 50V
C260	1-124-122-11	ELECT	100uF 20% 50V	C854	1-126-049-11	ELECT	22uF 20% 25V
C270	1-126-049-11	ELECT	22uF 20% 25V	C855	1-126-049-11	ELECT	22uF 20% 25V
C301	1-161-494-00	CERAMIC	0.022uF 25V	C856	1-126-300-11	ELECT	0.47uF 20% 50V
C302	1-126-059-11	ELECT	10uF 20% 50V	C857	1-126-059-11	ELECT	10uF 20% 50V
C303	1-161-494-00	CERAMIC	0.022uF 25V	C861	1-136-176-00	FILM	0.82uF 5% 50V
C304	1-161-494-00	CERAMIC	0.022uF 25V	C862	1-136-164-00	FILM	0.082uF 5% 50V
C305	1-161-494-00	CERAMIC	0.022uF 25V	C863	1-162-219-31	CERAMIC	68PF 5% 50V
C306	1-136-158-00	FILM	0.027uF 5% 50V	C865	1-126-049-11	ELECT	22uF 20% 25V
C307	1-130-477-00	MYLAR	0.0033uF 5% 50V	C866	1-126-300-11	ELECT	0.47uF 20% 50V
C309	1-126-233-11	ELECT	22uF 20% 50V	C867	1-126-059-11	ELECT	10uF 20% 50V
C310	1-124-122-11	ELECT	100uF 20% 50V	C880	1-124-994-11	ELECT	100uF 20% 10V
C311	1-124-587-11	ELECT	220uF 20% 6.3V	C999	1-161-494-00	CERAMIC	0.022MF 25V (G, IT)
C312	1-126-163-11	ELECT	4.7uF 20% 50V	< CONNECTOR >			
C313	1-124-587-11	ELECT	220uF 20% 6.3V	* CN101	1-564-321-00	PIN, CONNECTOR 2P	
C314	1-124-994-11	ELECT	100uF 20% 10V	CN102	1-535-139-00	BASE POST 22MM (10MM PITCH) 2P	
C315	1-164-159-11	CERAMIC	0.1uF 50V	* CN103	1-564-358-00	PIN, CONNECTOR 3P	(UK)
C316	1-164-159-11	CERAMIC	0.1uF 50V	* CN104	1-566-859-11	SOCKET, CONNECTOR 15P	
C317	1-124-910-11	ELECT	47uF 20% 50V	* CN105	1-564-509-11	PLUG, CONNECTOR 6P	
C318	1-124-910-11	ELECT	47uF 20% 50V	* CN106	1-566-858-41	SOCKET, CONNECTOR 11P	
C319	1-126-059-11	ELECT	10uF 20% 50V	* CN107	1-564-507-11	PLUG, CONNECTOR 4P	
C320	1-126-059-11	ELECT	10uF 20% 50V	* CN109	1-564-337-00	PIN, CONNECTOR 3P	
C321	1-161-379-00	CERAMIC	0.01MF 30% 25V (G, IT)	* CN110	1-568-839-11	SOCKET, CONNECTOR 23P	
C322	1-161-379-00	CERAMIC	0.01MF 30% 25V (G, IT)	* CN113	1-564-339-00	PIN, CONNECTOR 5P	
C323	1-161-377-00	CERAMIC	0.0047MF 20% 50V (G, IT)	* CN181	1-573-978-11	CONNECTOR, BOARD TO BOARD 11P	
C324	1-161-377-00	CERAMIC	0.0047MF 20% 50V (G, IT)	CNJ101	1-565-352-41	JACK, PIN 2P	
C325	1-126-224-11	ELECT	4700uF 20% 42V	CNJ102	1-565-258-11	JACK, PIN 4P	
C326	1-126-224-11	ELECT	4700uF 20% 42V	CNJ103	1-565-352-11	JACK, PIN 2P	
C327	1-124-920-11	ELECT	330uF 20% 63V	< DIODE >			
C330	1-124-473-11	ELECT	1000uF 20% 10V	D101	8-719-200-77	DIODE 10E2N	
C331	1-102-394-11	CERAMIC	0.01uF 250V	D102	8-719-200-77	DIODE 10E2N	
C332	1-136-161-00	FILM	0.047uF 5% 50V	D103	8-719-200-77	DIODE 10E2N	
C333	1-136-161-00	FILM	0.047uF 5% 50V	D104	8-719-200-77	DIODE 10E2N	
C334	1-124-994-11	ELECT	100uF 20% 10V	D105	8-719-987-63	DIODE 1N4148M	
C335	1-124-994-11	ELECT	100uF 20% 10V	D106	8-719-987-63	DIODE 1N4148M	
C336	1-126-059-11	ELECT	10uF 20% 50V	D107	8-719-815-85	DIODE 1S1585	
C337	1-126-059-11	ELECT	10uF 20% 50V	D108	8-719-815-85	DIODE 1S1585	
C338	1-124-887-00	ELECT	3300uF 20% 16V	D109	8-719-302-38	DIODE RBV-602-01	
C339	1-124-887-00	ELECT	3300uF 20% 16V	D113	8-719-200-82	DIODE 11ES2 (UK)	
C340	1-136-161-00	FILM	3300uF 5% 50V (UK)	D114	8-719-934-21	DIODE HZS30-1L (UK)	
C341	1-136-161-00	FILM	3300uF 5% 50V (UK)	D114	8-719-002-66	DIODE HZS33-2L (EXCEPT UK)	
C342	1-126-022-11	FILM	3300uF 5% 50V (UK)	D115	8-719-200-77	DIODE 10E2N	

MAIN

Ref. No.	Part No.	Description	Remark
D116	8-719-200-82	DIODE 11ES2 (UK)	
D117	8-719-200-82	DIODE 11ES2 (UK)	
D118	8-719-200-82	DIODE 11ES2	
D119	8-719-014-66	DIODE UZP-5. 6B	
D120	8-719-815-85	DIODE 1S1585	
D121	8-719-815-85	DIODE 1S1585	
D122	8-719-815-85	DIODE 1S1585	
D123	8-719-815-85	DIODE 1S1585	
D124	8-719-815-85	DIODE 1S1585	
D125	8-719-000-84	DIODE UZL-7M1	
D126	8-719-000-84	DIODE UZL-7M1	
D128	8-719-815-85	DIODE 1S1585	
D218	8-719-000-81	DIODE UZL-7L3	
D221	8-719-000-84	DIODE UZL-7M1	
D222	8-719-000-84	DIODE UZL-7M1	
D862	8-719-987-63	DIODE 1N4148M	
D863	8-719-987-63	DIODE 1N4148M	

< FUSE >

△ F101	1-532-259-00	FUSE (T1. 6A)
△ F103	1-532-203-00	FUSE (T2. 0A)
△ F104	1-532-203-00	FUSE (T2. 0A)

< IC >

IC101	8-759-604-86	IC M5F7807L
IC102	8-759-604-90	IC M5F7907L
IC103	8-749-920-09	IC STK-4152MK2K
IC104	8-759-000-48	IC MC14052BCP
IC105	8-759-140-53	IC MC14053BC
IC106	8-759-634-50	IC M5218AL
IC107	8-759-634-50	IC M5218AL
IC108	8-759-000-48	IC MC14052BCP
IC109	8-759-140-53	IC MC14053BCP
IC110	8-759-000-48	IC MC14052BCP
IC121	8-759-111-68	IC uPC1237HA
IC122	8-759-710-73	IC NJM4580L
IC855	8-759-634-50	IC M5218AL

< LINK, IC >

△ ICP101	1-532-842-11	LINK, IC
△ ICP102	1-532-842-11	LINK, IC

< COIL >

* L10	1-420-872-00	COIL, AIR CORE 1.9uH (G, IT)
* L11	1-420-872-00	COIL, AIR CORE 1.9uH (G, IT)
* L101	1-420-872-00	COIL, AIR CORE 1.9uH
* L102	1-420-872-00	COIL, AIR CORE 1.9uH

Ref. No.	Part No.	Description	Remark
< TRANSISTOR >			
Q101	8-729-141-83	TRANSISTOR 2SB1094-LK	
Q102	8-729-900-63	TRANSISTOR DTA124ES	
Q103	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q104	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q853	8-729-900-63	TRANSISTOR DTA124ES	
Q854	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q855	8-729-224-61	TRANSISTOR 2SK246-Y	
Q856	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q857	8-729-224-61	TRANSISTOR 2SK246-Y	
Q858	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q859	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q860	8-729-141-26	TRANSISTOR 2SC3622A-LK	
< RESISTOR >			
R71	1-249-425-11	CARBON 4.7K 5% 1/4W (AEP, G, IT, EE)	
R72	1-249-425-11	CARBON 4.7K 5% 1/4W (AEP, G, IT, EE)	
R101	1-249-417-11	CARBON 1K 5% 1/4W	
R102	1-249-417-11	CARBON 1K 5% 1/4W (G, IT)	
R103	1-249-441-11	CARBON 100K 5% 1/4W	
R104	1-249-441-11	CARBON 100K 5% 1/4W	
R105	1-249-415-11	CARBON 680 5% 1/4W	
R106	1-249-437-11	CARBON 47K 5% 1/4W	
R107	1-247-897-11	CARBON 560K 5% 1/4W	
R108	1-249-417-11	CARBON 1K 5% 1/4W	
R109	1-249-409-11	CARBON 220 5% 1/4W	
R110	1-249-421-11	CARBON 2.2K 5% 1/4W	
R111	1-249-428-11	CARBON 8.2K 5% 1/4W	
R112	1-249-417-11	CARBON 1K 5% 1/4W	
R113	1-247-903-00	CARBON 1M 5% 1/4W	
R114	1-249-417-11	CARBON 1K 5% 1/4W	
R115	1-249-417-11	CARBON 1K 5% 1/4W	
R116	1-249-413-11	CARBON 470 5% 1/4W	
R118	1-249-437-11	CARBON 47K 5% 1/4W	
R119	1-249-437-11	CARBON 47K 5% 1/4W	
R120	1-249-441-11	CARBON 100K 5% 1/4W	
R121	1-249-425-11	CARBON 4.7K 5% 1/4W (AEP, G, IT, EE)	
R122	1-249-427-11	CARBON 6.8K 5% 1/4W (AEP, G, IT, EE)	
R123	1-249-432-11	CARBON 18K 5% 1/4W (AEP, G, IT, EE)	
R124	1-249-421-11	CARBON 2.2K 5% 1/4W	
R125	1-249-441-11	CARBON 100K 5% 1/4W	
R126	1-249-429-11	CARBON 10K 5% 1/4W	
R136	1-249-441-11	CARBON 100K 5% 1/4W	
R137	1-249-417-11	CARBON 1K 5% 1/4W	
R138	1-249-438-11	CARBON 56K 5% 1/4W	
R139	1-249-438-11	CARBON 56K 5% 1/4W	
R140	1-247-756-11	CARBON 2.2K 5% 1/2W	
R142	1-247-756-11	CARBON 2.2K 5% 1/2W	

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

MAIN

Ref. No.	Part No.	Description	Remark
△ R144	1-217-156-00	RES. METAL PLATE 0.22 5W	F
R145	1-247-727-11	CARBON 10 5%	1/2W
R147	1-249-417-11	CARBON 1K 5%	1/4W
R148	1-249-431-11	CARBON 15K 5%	1/4W
R149	1-249-437-11	CARBON 47K 5%	1/4W
R150	1-247-727-11	CARBON 10 5%	1/2W
△ R152	1-215-918-00	METAL OXIDE 1.5K 5%	3W F
R153	1-247-727-11	CARBON 10 5%	1/2W (G, IT)
R156	1-249-414-11	CARBON 560 5%	1/4W
R157	1-249-441-11	CARBON 100K 5%	1/4W
R191	1-212-958-00	FUSIBLE 10 5%	1/2W F (UK)
R192	1-212-958-00	FUSIBLE 10 5%	1/2W F (UK)
△ R193	1-212-934-00	FUSIBLE 1 5%	1/2W F
R201	1-249-417-11	CARBON 1K 5%	1/4W
R202	1-249-417-11	CARBON 1K 5%	1/4W (G, IT)
R203	1-249-441-11	CARBON 100K 5%	1/4W
R205	1-249-415-11	CARBON 680 5%	1/4W
R206	1-249-437-11	CARBON 47K 5%	1/4W
R207	1-247-897-11	CARBON 560K 5%	1/4W
R208	1-249-417-11	CARBON 1K 5%	1/4W
R209	1-249-409-11	CARBON 220 5%	1/4W
R210	1-249-421-11	CARBON 2.2K 5%	1/4W
R211	1-249-428-11	CARBON 8.2K 5%	1/4W
R212	1-249-417-11	CARBON 1K 5%	1/4W
R213	1-247-903-00	CARBON 1M 5%	1/4W
R214	1-249-417-11	CARBON 1K 5%	1/4W
R215	1-249-417-11	CARBON 1K 5%	1/4W
R216	1-249-413-11	CARBON 470 5%	1/4W
R218	1-249-437-11	CARBON 47K 5%	1/4W
R219	1-249-437-11	CARBON 47K 5%	1/4W
R220	1-249-441-11	CARBON 100K 5%	1/4W
R221	1-249-425-11	CARBON 4.7K 5%	1/4W (AEP, G, IT, EE)
R222	1-249-427-11	CARBON 6.8K 5%	1/4W (AEP, G, IT, EE)
R223	1-249-432-11	CARBON 18K 5%	1/4W (AEP, G, IT, EE)
R224	1-249-421-11	CARBON 2.2K 5%	1/4W
R225	1-249-441-11	CARBON 100K 5%	1/4W
R226	1-249-429-11	CARBON 10K 5%	1/4W
R236	1-249-441-11	CARBON 100K 5%	1/4W
R237	1-249-417-11	CARBON 1K 5%	1/4W
R238	1-249-438-11	CARBON 56K 5%	1/4W
R239	1-249-438-11	CARBON 56K 5%	1/4W
R240	1-247-756-11	CARBON 2.2K 5%	1/2W
R242	1-247-756-11	CARBON 2.2K 5%	1/2W
△ R244	1-217-156-00	RES. METAL PLATE 0.22 5W	F
R245	1-247-727-11	CARBON 10 5%	1/2W
R247	1-249-417-11	CARBON 1K 5%	1/4W
R248	1-249-431-11	CARBON 15K 5%	1/4W
R249	1-249-438-11	CARBON 56K 5%	1/4W

Ref. No.	Part No.	Description	Remark
R250	1-247-727-11	CARBON 10 5%	1/2W
△ R252	1-215-918-00	METAL OXIDE 1.5K 5%	3W F
R253	1-247-727-11	CARBON 10 5%	1/2W (G, IT)
R254	1-249-441-11	CARBON 100K 5%	1/4W
R256	1-249-414-11	CARBON 560 5%	1/4W
R257	1-249-441-11	CARBON 100K 5%	1/4W
R301	1-249-433-11	CARBON 22K 5%	1/4W
R302	1-249-433-11	CARBON 22K 5%	1/4W
R303	1-249-433-11	CARBON 22K 5%	1/4W
R304	1-249-433-11	CARBON 22K 5%	1/4W
R305	1-249-429-11	CARBON 10K 5%	1/4W
R307	1-249-415-11	CARBON 680 5%	1/4W
R308	1-249-429-11	CARBON 10K 5%	1/4W
R309	1-249-429-11	CARBON 10K 5%	1/4W
R310	1-249-432-11	CARBON 18K 5%	1/4W
R311	1-249-435-11	CARBON 33K 5%	1/4W
R312	1-249-433-11	CARBON 22K 5%	1/4W
R313	1-249-433-11	CARBON 22K 5%	1/4W
R316	1-247-752-11	CARBON 1K 5%	1/2W
R318	1-247-752-11	CARBON 1K 5%	1/2W
△ R320	1-212-881-11	FUSIBLE 100 5%	1/4W F
△ R321	1-212-881-11	FUSIBLE 100 5%	1/4W F
△ R322	1-215-891-11	METAL OXIDE 680 5%	2W F
R323	1-249-429-11	CARBON 10K 5%	1/4W
R324	1-249-427-11	CARBON 6.8K 5%	1/4W
R325	1-249-427-11	CARBON 6.8K 5%	1/4W
R326	1-249-437-11	CARBON 47K 5%	1/4W
R327	1-249-441-11	CARBON 100K 5%	1/4W
R328	1-247-760-11	CARBON 4.7K 5%	1/2W
R329	1-249-421-11	CARBON 2.2K 5%	1/4W
R341	1-249-433-11	CARBON 22K 5%	1/4W
R342	1-249-425-11	CARBON 4.7K 5%	1/4W
R348	1-249-433-11	CARBON 22K 5%	1/4W
R349	1-249-433-11	CARBON 22K 5%	1/4W
R352	1-249-437-11	CARBON 47K 5%	1/4W
R410	1-249-435-11	CARBON 33K 5%	1/4W
R411	1-249-435-11	CARBON 33K 5%	1/4W
R412	1-249-426-11	CARBON 5.6K 5%	1/4W
R851	1-249-417-11	CARBON 1K 5%	1/4W
R852	1-249-441-11	CARBON 100K 5%	1/4W
R853	1-249-425-11	CARBON 4.7K 5%	1/4W
R854	1-249-425-11	CARBON 4.7K 5%	1/4W
R855	1-249-412-11	CARBON 390 5%	1/4W
R857	1-249-418-11	CARBON 1.2K 5%	1/4W
R858	1-249-438-11	CARBON 56K 5%	1/4W
R859	1-249-429-11	CARBON 10K 5%	1/4W
R860	1-249-429-11	CARBON 10K 5%	1/4W
R861	1-249-417-11	CARBON 1K 5%	1/4W
R862	1-249-441-11	CARBON 100K 5%	1/4W

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

MAIN	PANEL	GEQ	H. P.	VOL
------	-------	-----	-------	-----

Ref. No.	Part No.	Description	Remark			
R863	1-249-425-11	CARBON	4.7K	5%	1/4W	
R864	1-249-425-11	CARBON	4.7K	5%	1/4W	
R865	1-249-412-11	CARBON	390	5%	1/4W	
R867	1-249-418-11	CARBON	1.2K	5%	1/4W	
R868	1-249-438-11	CARBON	56K	5%	1/4W	
R869	1-249-429-11	CARBON	10K	5%	1/4W	
R870	1-247-887-00	CARBON	220K	5%	1/4W	
R871	1-249-433-11	CARBON	22K	5%	1/4W	
R872	1-249-423-11	CARBON	3.3K	5%	1/4W	
R873	1-249-423-11	CARBON	3.3K	5%	1/4W	
R876	1-249-417-11	CARBON	1K	5%	1/4W	
R878	1-247-887-00	CARBON	220K	5%	1/4W	
△R1076	1-212-940-00	FUSIBLE	1.8	5%	1/2W F (UK)	
△R1077	1-212-940-00	FUSIBLE	1.8	5%	1/2W F (UK)	
< RELAY >						
RY101	1-515-765-11	RELAY				
< SWITCH >						
△S101	1-554-920-51	SWITCH, PUSH (AC POWER) (1 KEY)				
< TERMINAL BOARD >						
TB101	1-537-238-11	TERMINAL BOARD				

*	A-4347-257-A	PANEL BOARD, COMPLETE				

*	A-4347-276-A	GEQ BOARD, COMPLETE				

*	1-642-746-11	H. P. BOARD				

*	1-642-747-11	VOL BOARD				

*	4-921-941-01	CUSHION (FL)				
*	4-923-103-01	HOLDER, FL TUBE				
*	4-950-658-01	HOLDER (FU), LED				
*	4-950-660-01	HOLDER, LED				
< CAPACITOR >						
C50	1-124-257-00	ELECT	2.2uF	20%	50V	
C120	1-126-022-11	ELECT	47uF	20%	16V	
C121	1-126-059-11	ELECT	10uF	20%	50V	
C122	1-162-286-31	CERAMIC	220PF	10%	50V	
C123	1-106-359-00	MYLAR	4700PF	5%	200V	
C124	1-110-340-11	MYLAR	270PF	5%	50V	
C125	1-136-154-00	FILM	0.012uF	5%	50V	
C126	1-130-469-00	MYLAR	680PF	5%	50V	
C127	1-136-159-00	FILM	0.033uF	5%	50V	
C128	1-130-474-00	MYLAR	0.0018uF	5%	50V	

Ref. No.	Part No.	Description	Remark			
C129	1-136-163-00	FILM	0.068uF	5%	50V	
C130	1-130-478-00	MYLAR	0.0039uF	5%	50V	
C131	1-136-168-00	FILM	0.18uF	5%	50V	
C132	1-136-153-00	FILM	0.01uF	5%	50V	
C133	1-136-163-00	FILM	0.068uF	5%	50V	
C134	1-126-301-11	ELECT	1uF	20%	50V	
C135	1-136-158-00	FILM	0.027uF	5%	50V	
C136	1-126-300-11	ELECT	0.47uF	20%	50V	
C137	1-162-207-31	CERAMIC	22PF	5%	50V	
C210	1-126-022-11	ELECT	47uF	20%	16V	
C221	1-126-059-11	ELECT	10uF	20%	50V	
C222	1-162-286-31	CERAMIC	220PF	10%	50V	
C223	1-106-359-00	MYLAR	4700PF	5%	200V	
C224	1-110-340-11	MYLAR	270PF	5%	50V	
C225	1-136-154-00	FILM	0.012uF	5%	50V	
C226	1-130-469-00	MYLAR	680PF	5%	50V	
C228	1-130-474-00	MYLAR	0.0018uF	5%	50V	
C229	1-136-163-00	FILM	0.068uF	5%	50V	
C230	1-130-478-00	MYLAR	0.0039uF	5%	50V	
C231	1-136-168-00	FILM	0.18uF	5%	50V	
C232	1-136-153-00	FILM	0.01uF	5%	50V	
C233	1-136-163-00	FILM	0.068uF	5%	50V	
C234	1-126-301-11	ELECT	1uF	20%	50V	
C235	1-136-158-00	FILM	0.027uF	5%	50V	
C236	1-126-300-11	ELECT	0.47uF	20%	50V	
C237	1-162-207-31	CERAMIC	22PF	5%	50V	
C277	1-136-159-00	FILM	0.033uF	5%	50V	
C308	1-164-159-11	CERAMIC	0.1uF		50V	
C351	1-164-159-11	CERAMIC	0.1uF		50V	
C352	1-126-049-11	ELECT	22uF	20%	25V	
C375	1-164-159-11	CERAMIC	0.1uF		50V	
C418	1-164-159-11	CERAMIC	0.1uF		50V	
C419	1-136-153-00	FILM	0.01uF	5%	50V	
C420	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C422	1-125-486-11	DOUBLE LAYERS	0.22F		5.5V	
C423	1-161-494-00	CERAMIC	0.022uF		25V	
C424	1-164-159-11	CERAMIC	0.1uF		50V	
C425	1-126-049-11	ELECT	22uF	20%	25V	
C426	1-161-494-00	CERAMIC	0.022uF		25V	
C427	1-161-494-00	CERAMIC	0.022uF		25V	
C428	1-126-059-11	ELECT	10uF	20%	50V	
C429	1-126-059-11	ELECT	10uF	20%	50V	
C430	1-161-494-00	CERAMIC	0.022uF		25V	
C431	1-161-494-00	CERAMIC	0.022uF		25V	
C432	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C433	1-126-059-11	ELECT	10uF	20%	50V	
C434	1-126-059-11	ELECT	10uF	20%	50V	
C435	1-161-374-11	CERAMIC	0.0015uF	20%	50V	
C436	1-161-494-00	CERAMIC	0.022uF		25V	

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

PANEL

GEO

H. P.

VOL

Ref. No.	Part No.	Description	Remark
C437	1-124-994-11	ELECT 100uF	20% 10V
C444	1-126-049-11	ELECT 22uF	20% 25V
C601	1-136-165-00	FILM 0. 1uF	5% 50V
C602	1-126-022-11	ELECT 47uF	20% 16V
C603	1-126-022-11	ELECT 47uF	20% 16V
C995	1-126-301-11	ELECT 1uF	20% 50V

< CONNECTOR >

* CN191	1-573-979-11	CONNECTOR, BOARD TO BOARD 11P
* CN502	1-568-839-11	SOCKET, CONNECTOR 23P
* CN503	1-568-322-11	PLUG, CONNECTOR 10P
CN601	1-568-321-11	SOCKET, CONNECTOR 10P
* CN609	1-564-339-00	PIN, CONNECTOR 5P

< COMPOSITION CIRCUIT BLOCK >

CP501	1-239-054-11	COMPOSITION CIRCUIT BLOCK
CP502	1-239-054-11	COMPOSITION CIRCUIT BLOCK
CP503	1-239-054-11	COMPOSITION CIRCUIT BLOCK
CP504	1-239-054-11	COMPOSITION CIRCUIT BLOCK

< DIODE >

D55	8-719-200-82	DIODE 11ES2
D127	8-719-000-54	DIODE UZL-6L3
D501	8-719-987-63	DIODE 1N4148M
D502	8-719-200-82	DIODE 11ES2
D503	8-719-200-82	DIODE 11ES2
D505	8-719-000-60	DIODE UZL-6M2
D506	8-719-987-63	DIODE 1N4148M
D507	8-719-987-63	DIODE 1N4148M
D508	8-719-987-63	DIODE 1N4148M
D509	8-719-987-63	DIODE 1N4148M

D510	8-719-987-63	DIODE 1N4148M
D511	8-719-987-63	DIODE 1N4148M
D512	8-719-987-63	DIODE 1N4148M
D521	8-719-301-39	LED SEL2210S-D
D522	8-719-301-39	LED SEL2210S-D

D523	8-719-301-39	LED SEL2210S-D
D524	8-719-301-39	LED SEL2210S-D
D525	8-719-301-39	LED SEL2210S-D
D526	8-719-301-39	LED SEL2210S-D
D527	8-719-301-39	LED SEL2210S-D

D528	8-719-301-39	LED SEL2210S-D
D529	8-719-301-39	LED SEL2210S-D
D530	8-719-301-39	LED SEL2210S-D
D531	8-719-301-39	LED SEL2210S-D
D532	8-719-301-39	LED SEL2210S-D

D533	8-719-301-39	LED SEL2210S-D
D534	8-719-301-39	LED SEL2210S-D
D535	8-719-313-69	DIODE SEL3210S-CD

Ref. No.	Part No.	Description	Remark
D536	8-719-313-69	DIODE SEL3210S-CD	
D537	8-719-313-69	DIODE SEL3210S-CD	
D538	8-719-313-69	DIODE SEL3210S-CD	
D539	8-719-313-69	DIODE SEL3210S-CD	
D540	8-719-313-69	DIODE SEL3210S-CD	
D541	8-719-313-69	DIODE SEL3210S-CD	
D542	8-719-313-69	DIODE SEL3210S-CD	

D550	8-719-313-69	DIODE SEL3210S-CD
D551	8-719-987-63	DIODE 1N4148M
D552	8-719-987-63	DIODE 1N4148M
D553	8-719-987-63	DIODE 1N4148M
D554	8-719-987-63	DIODE 1N4148M

D554	8-719-987-63	DIODE 1N4148M
D566	8-719-987-63	DIODE 1N4148M
D601	8-719-200-82	DIODE 11ES2
D603	8-719-933-33	DIODE HZS6A1L

< FLUORESCENT INDICATOR >

FL501	1-519-648-31	INDICATOR TUBE, FLUORESCENT
-------	--------------	-----------------------------

< IC >

IC111	8-759-633-78	IC M5289P
IC112	8-759-822-26	IC LC7522K
IC113	8-759-633-78	IC M5289P
IC501	8-759-635-63	IC M51943BSL
IC502	8-759-066-29	IC uPD75108CW-C98

IC503	8-759-822-27	IC LC7565K
IC504	8-759-991-11	IC XR1091DCP
IC601	8-759-820-62	IC LB1639

< JACK >

J901	1-507-854-00	JACK, PHONE (HEADPHONES)
------	--------------	--------------------------

< COIL >

L501	1-408-121-00	INDUCTOR 22uH
------	--------------	---------------

< TRANSISTOR >

Q501	8-729-620-05	TRANSISTOR 2SC2603-EF
Q502	8-729-620-05	TRANSISTOR 2SC2603-EF
Q511	8-729-900-36	TRANSISTOR DTC124ES
Q513	8-729-900-63	TRANSISTOR DTA124ES
Q514	8-729-900-63	TRANSISTOR DTA124ES

Q515	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q516	8-729-620-05	TRANSISTOR 2SC2603-EF
Q517	8-729-620-05	TRANSISTOR 2SC2603-EF
Q518	8-729-620-05	TRANSISTOR 2SC2603-EF
Q519	8-729-620-05	TRANSISTOR 2SC2603-EF

PANEL	GEQ	H. P.	VOL
-------	-----	-------	-----

Ref. No.	Part No.	Description	Remark
Q520	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q521	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q530	8-729-900-36	TRANSISTOR DTC124ES	
Q555	8-729-900-63	TRANSISTOR DTA124ES	
< RESISTOR >			
R40	1-249-421-11	CARBON 2. 2K 5%	1/4W
R127	1-247-852-11	CARBON 7. 5K 5%	1/4W
R128	1-247-903-00	CARBON 1M 5%	1/4W
R129	1-247-903-00	CARBON 1M 5%	1/4W
R130	1-247-903-00	CARBON 1M 5%	1/4W
R131	1-247-903-00	CARBON 1M 5%	1/4W
R132	1-247-903-00	CARBON 1M 5%	1/4W
R133	1-247-903-00	CARBON 1M 5%	1/4W
R134	1-247-903-00	CARBON 1M 5%	1/4W
R135	1-247-852-11	CARBON 7. 5K 5%	1/4W
R227	1-247-852-11	CARBON 7. 5K 5%	1/4W
R228	1-247-903-00	CARBON 1M 5%	1/4W
R229	1-247-903-00	CARBON 1M 5%	1/4W
R230	1-247-903-00	CARBON 1M 5%	1/4W
R231	1-247-903-00	CARBON 1M 5%	1/4W
R232	1-247-903-00	CARBON 1M 5%	1/4W
R233	1-247-903-00	CARBON 1M 5%	1/4W
R234	1-247-903-00	CARBON 1M 5%	1/4W
R235	1-247-852-11	CARBON 7. 5K 5%	1/4W
R314	1-249-417-11	CARBON 1K 5%	1/4W
R315	1-249-417-11	CARBON 1K 5%	1/4W
R346	1-249-425-11	CARBON 4. 7K 5%	1/4W
R399	1-249-405-11	CARBON 100 5%	1/4W
R408	1-249-405-11	CARBON 100 5%	1/4W
R409	1-249-419-11	CARBON 1. 5K 5%	1/4W
R413	1-249-441-11	CARBON 100K 5%	1/4W
R414	1-249-432-11	CARBON 18K 5%	1/4W
R415	1-247-891-00	CARBON 330K 5%	1/4W
R416	1-249-425-11	CARBON 4. 7K 5%	1/4W
R417	1-249-437-11	CARBON 47K 5%	1/4W
R418	1-247-891-00	CARBON 330K 5%	1/4W
R421	1-249-433-11	CARBON 22K 5%	1/4W
R422	1-249-411-11	CARBON 330 5%	1/4W
R423	1-249-417-11	CARBON 1K 5%	1/4W
R424	1-247-903-00	CARBON 1M 5%	1/4W
R499	1-249-417-11	CARBON 1K 5%	1/4W
R521	1-249-425-11	CARBON 4. 7K 5%	1/4W
R522	1-249-425-11	CARBON 4. 7K 5%	1/4W
R524	1-249-417-11	CARBON 1K 5%	1/4W
R525	1-249-425-11	CARBON 4. 7K 5%	1/4W
R526	1-249-429-11	CARBON 10K 5%	1/4W
R527	1-249-393-11	CARBON 10 5%	1/4W
R528	1-249-417-11	CARBON 1K 5%	1/4W

Ref. No.	Part No.	Description	Remark
R529	1-249-424-11	CARBON 3. 9K 5%	1/4W
R530	1-249-417-11	CARBON 1K 5%	1/4W
R532	1-249-421-11	CARBON 2. 2K 5%	1/4W
R533	1-249-421-11	CARBON 2. 2K 5%	1/4W
R534	1-249-441-11	CARBON 100K 5%	1/4W
R535	1-249-441-11	CARBON 100K 5%	1/4W
R536	1-249-417-11	CARBON 1K 5%	1/4W
R537	1-249-417-11	CARBON 1K 5%	1/4W
R538	1-249-417-11	CARBON 1K 5%	1/4W
R539	1-249-417-11	CARBON 1K 5%	1/4W
R540	1-249-417-11	CARBON 1K 5%	1/4W
R541	1-249-417-11	CARBON 1K 5%	1/4W
R542	1-249-417-11	CARBON 1K 5%	1/4W
R544	1-249-417-11	CARBON 1K 5%	1/4W
R545	1-249-429-11	CARBON 10K 5%	1/4W
R546	1-249-417-11	CARBON 1K 5%	1/4W
R547	1-249-429-11	CARBON 10K 5%	1/4W
R548	1-249-429-11	CARBON 10K 5%	1/4W
R549	1-249-417-11	CARBON 1K 5%	1/4W
R550	1-249-417-11	CARBON 1K 5%	1/4W
R551	1-249-435-11	CARBON 33K 5%	1/4W
R552	1-249-437-11	CARBON 47K 5%	1/4W
R553	1-249-429-11	CARBON 10K 5%	1/4W
R554	1-249-437-11	CARBON 47K 5%	1/4W
R555	1-249-429-11	CARBON 10K 5%	1/4W
R556	1-247-903-00	CARBON 1M 5%	1/4W
R561	1-249-410-11	CARBON 270 5%	1/4W
R562	1-249-411-11	CARBON 330 5%	1/4W
R563	1-249-411-11	CARBON 330 5%	1/4W
R564	1-249-411-11	CARBON 330 5%	1/4W
R565	1-249-410-11	CARBON 270 5%	1/4W
R566	1-249-411-11	CARBON 330 5%	1/4W
R567	1-249-411-11	CARBON 330 5%	1/4W
R568	1-249-411-11	CARBON 330 5%	1/4W
R569	1-249-410-11	CARBON 270 5%	1/4W
R570	1-249-410-11	CARBON 270 5%	1/4W
R571	1-249-410-11	CARBON 270 5%	1/4W
R572	1-249-410-11	CARBON 270 5%	1/4W
R573	1-249-399-11	CARBON 33 5%	1/4W
R574	1-249-399-11	CARBON 33 5%	1/4W
R575	1-249-399-11	CARBON 33 5%	1/4W
R576	1-249-399-11	CARBON 33 5%	1/4W
R577	1-249-399-11	CARBON 33 5%	1/4W
R578	1-249-411-11	CARBON 330 5%	1/4W
R579	1-249-411-11	CARBON 330 5%	1/4W
R580	1-249-411-11	CARBON 330 5%	1/4W
R581	1-249-411-11	CARBON 330 5%	1/4W
R582	1-249-411-11	CARBON 330 5%	1/4W

PANEL

GEO

H. P.

VOL

Ref. No.	Part No.	Description	Remark
R586	1-249-425-11	CARBON 4.7K 5% 1/4W	
R588	1-249-425-11	CARBON 4.7K 5% 1/4W	
R589	1-249-425-11	CARBON 4.7K 5% 1/4W	
R595	1-249-437-11	CARBON 47K 5% 1/4W	
R596	1-249-437-11	CARBON 47K 5% 1/4W	
R597	1-249-437-11	CARBON 47K 5% 1/4W	
R598	1-249-437-11	CARBON 47K 5% 1/4W	
R599	1-249-417-11	CARBON 1K 5% 1/4W	
R601	1-249-412-11	CARBON 390 5% 1/4W	
R602	1-249-425-11	CARBON 4.7K 5% 1/4W	
R603	1-249-429-11	CARBON 10K 5% 1/4W	
R604	1-249-429-11	CARBON 10K 5% 1/4W	
R605	1-249-401-11	CARBON 47 5% 1/4W	
R607	1-247-830-11	CARBON 910 5% 1/4W	
R901	1-247-747-11	CARBON 470 5% 1/2W	
R911	1-247-747-11	CARBON 470 5% 1/2W	
R1599	1-249-425-11	CARBON 4.7K 5% 1/4W	

< VARIABLE RESISTOR >

RV501	1-238-459-11	RES. VAR. CARBON 100K (BALANCE)
RV502	1-241-307-11	RES. VAR. CARBON 10K/10K (DBFB LEVEL)
RV601	1-238-708-21	RES. VAR. CARBON 10K/100K/100K (VOLUME)

< SWITCH >

S501	1-554-303-21	SWITCH, TACTILE (EQ-REC)
S502	1-554-303-21	SWITCH, TACTILE (TUNER)
S503	1-554-303-21	SWITCH, TACTILE (EQ)
S504	1-554-303-21	SWITCH, TACTILE (SURROUND MODE)
S505	1-554-303-21	SWITCH, TACTILE (MEMORY)
S511	1-554-303-21	SWITCH, TACTILE (DBFB)
S512	1-554-303-21	SWITCH, TACTILE (CD)
S513	1-554-303-21	SWITCH, TACTILE (PERSONAL FILE 1-5)
S514	1-554-303-21	SWITCH, TACTILE (<)
S515	1-554-303-21	SWITCH, TACTILE (REVRSE)
S516	1-554-303-21	SWITCH, TACTILE (SURROUND LEVEL)
S521	1-554-303-21	SWITCH, TACTILE (EFFECT)
S522	1-554-303-21	SWITCH, TACTILE (TAPE)
S523	1-554-303-21	SWITCH, TACTILE (SELECT 10)
S524	1-554-303-21	SWITCH, TACTILE (Δ)
S525	1-554-303-21	SWITCH, TACTILE (FLAT)
S526	1-554-303-21	SWITCH, TACTILE (PHONO)
S532	1-554-303-21	SWITCH, TACTILE (VIDEO)
S533	1-554-303-21	SWITCH, TACTILE (∇)
S534	1-554-303-21	SWITCH, TACTILE ($\triangleright$)
S535	1-554-303-21	SWITCH, TACTILE (DISPLAY)
S536	1-554-303-21	SWITCH, TACTILE (PROGRAM FUNKTION)

Ref. No.	Part No.	Description	Remark
----------	----------	-------------	--------

< VIBRATOR >

X501 1-577-359-21 VIBRATOR, CERAMIC (4, 19MHz)

MISCELLANEOUS

8	1-690-697-11	WIRE (FLAT TYPE) (23 CORE)
Δ 56	1-575-654-11	CORD, POWER (AEP, G. IT, EE)
Δ 56	1-575-669-21	CORD, POWER (UK)
Δ F101	1-532-259-00	FUSE (T1. 6A)
Δ F103	1-532-203-00	FUSE (T2. 0A)
Δ F104	1-532-203-00	FUSE (T2. 0A)
Δ T901	1-450-812-11	TRANSFORMER, POWER

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)

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

SONY[®] SERVICE MANUAL

*AEP Model
UK Model
East European Model*

SUPPLEMENT-1

File this supplement with the service manual.

Subject : Electrical parts are changed.

ELECTRICAL PARTS LIST

Page	Former			New	
	Ref. No.	Part No.	Description	Part No.	Description
23	D105	8-719-987-63	D10DE 1N4148M	—	Not used.
	D106	8-719-987-63	D10DE 1N4148M	—	Not used.
	D114	8-719-002-66	D10DE HZS33-2L (EXPECT UK)	8-719-934-22	D10DE HZS30-2L (EXPECT UK)
24	IC101	8-759-604-86	IC M5F7807L	8-759-605-00	IC M5F78M07L (UK)
	IC102	8-759-604-90	IC M5F7907L	8-759-604-95	IC M5F79M07L (UK)
25	R191	⚠ 1-212-958-00	FUSIBLE 10 5% 1/2W (UK)	—	JUMPER
	R192	⚠ 1-212-958-00	FUSIBLE 10 5% 1/2W (UK)	—	JUMPER
26	R1077	⚠ 1-212-940-00	FUSIBLE 1.8 5% 1/2W (UK)	⚠ 1-249-477-11	CARBON 1.8 1/2W F (UK)
	R1078	⚠ 1-212-940-00	FUSIBLE 1.8 5% 1/2W (UK)	⚠ 1-249-477-11	CARBON 1.8 1/2W F (UK)
27	IC502	8-759-066-29	IC uPD75108CW-C98	8-759-075-04	IC uPD75108CW-W15
	L501	1-408-121-00	INDUCTOR 22uH	—	JUMPER

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

TA-D507

SONY SERVICE MANUAL

*AEP Model
UK Model
East European Model*

CORRECTION-1

Correct your service manual as shown below.

 : indicates corrected portion.

Page	INCORRECT		CORRECT	
	<u>Part No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Description</u>
26	*	A-4347-257-A PANEL BOARD, COMPLETE *****	*	A-4347-275-A PANEL BOARD, COMPLETE ***** 