

HCD-H3800

SERVICE MANUAL

AEP Model
UK Model



- HCD-H3800 is the TUNER/COMPACT DISC PLAYER in MHC-3800.

Model Name Using Similar Mechanism	CDP-H3600
CD Mechanism Type	CDM13B-5BD3
Base Unit Name	BU-5BD3

SPECIFICATIONS

Tuner Section

System	FM stereo, FM/AM superheterodyne tuner
FM tuner section	
Tuning range	87.5 — 108 MHz
Antenna terminals	75 ohms unbalanced
Intermediate frequency	10.7 MHz
AM tuner section	
Tuning range	For Germany MW: 531 — 1,602 kHz For Italy MW: 522 — 1,611 kHz For other countries MW: 531 — 1,602 kHz LW: 153 — 279 kHz
Antenna	AM loop antenna, External antenna terminals
Intermediate frequency	450 kHz

Compact Disc Player Section

System	Compact disc digital audio system
Laser	Semiconductor laser
Wavelength	780 — 790 nm
Outputs	DIGITAL OUT OPTICAL (optical output connector) wavelength: 660 nm output level: -18 dBm

General

Power requirements	European model: 220 V — 230 V, 50/60 Hz U.K. model: 240 V, 50 Hz
Power consumption	170 watts
Dimensions	Approx. 225 x 390 x 280 mm (w/h/d) (8 ⁷ / ₈ x 15 ³ / ₈ x 11 ¹ / ₈ inches) incl. projecting parts and controls
Mass	Approx. 11.7 kg (25 lb 13 oz)
Supplied accessories	Remote Commander (1) (RM-S380) Sony SUM-3 (NS) batteries (2) AM loop antenna (1) FM antenna (1) AC power cord (2) Flat cord (1) Speaker cord (except for Europe and U.K.) (2)

Design and specifications subject to change without notice.

Note

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

TUNER/COMPACT DISC PLAYER

SONY®

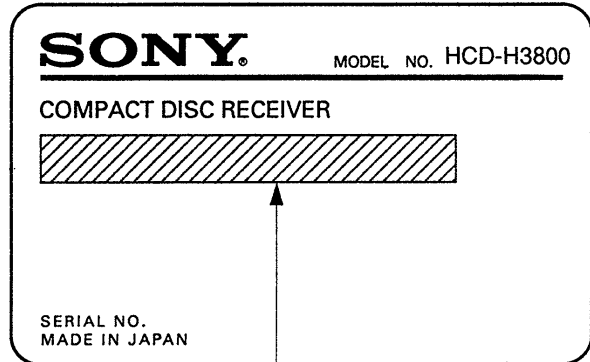


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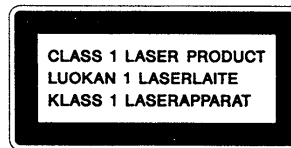
MODEL IDENTIFICATION

- SPECIFICATION LABEL -



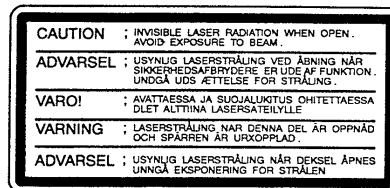
AEP, Germany,
 Italian MODEL : AC 220 - 230V~, 50/60Hz, 90W
 UK MODEL : AC240V, 50Hz, 175W

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.





This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

The following caution label is located inside the unit.



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.

REVISED

SECTION 1 SERVICE NOTE

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

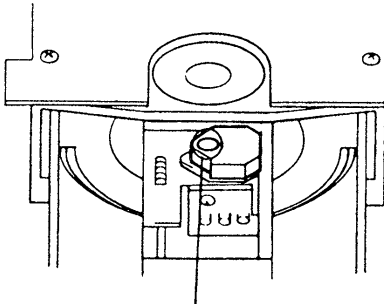
The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts. The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

LASER DIODE AND FOCUS SEARCH OPERATION CHECK

1. Turn POWER switch on with no disc inserted and disc table closed.
2. Confirm that the following operation is performed while observing the objective lens.





- ① Confirm that laser beam is spread.
- ② Up and down motion of the objective lens. (3 times)

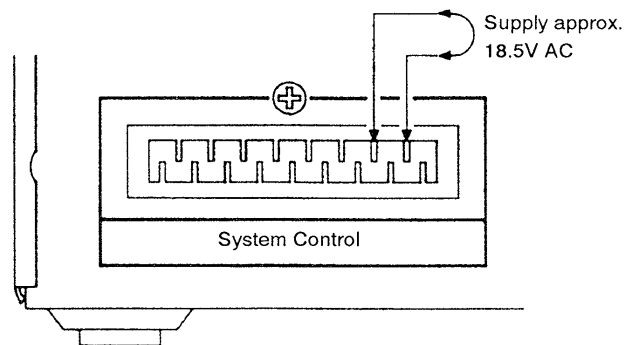
POWER SUPPLIED WHILE SERVICING

This unit does not have its own power supply. It operates on the power supplied from the amplifier (TA-H3800, SEQ-H3800) used by this series. Therefore connect the amplifier when servicing the unit as in electrical repairs.

TURNING ON THE POWER FORCIBLY


This unit does not have a power switch. Its power is turned on/off by the amplifier. However, if power is being supplied, its power can be turned on without an amplifier using the following method.

- Press the **MODE** and “” switches together to turn on the CD section, (Tuner section stops functioning.)
- Press the **STEREO/MONO** and “” switches together to turn on the tuner section (CD section stops functioning.)



[The power can also be supplied by connecting the connector of the “CDP/TC” section of the PFJ-1 tool.]

SERVICE MODE FOR CHECKING THE FL TUBE

All FL display tubes will light up when the “BAND” and “ OPEN/CLOSE” switches are pressed together.

MEASURING THE TUNER/TCB BOARDS VOLTAGE

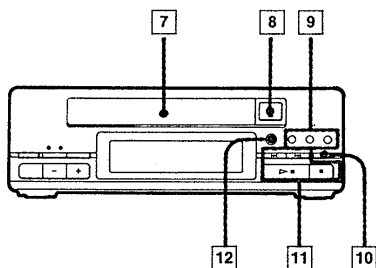
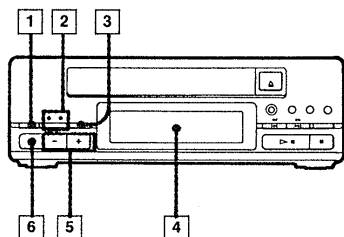
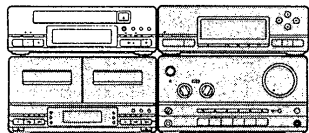
Prepare the following tools (extension cables) when measuring the voltages of the TUNER and TOB boards.

- 1) 4-pin extension cable (J-8000-026-A) × 3
- 2) 8-pin extension cable (J-8000-027-A) × 1

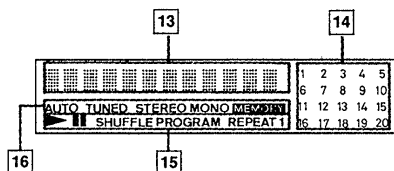
SECTION 2 GENERAL

This section is extracted from instruction manual.

A



B



Parts Identification

Tuner/CD Player Section A

Tuner

- 1 MEMORY button
- 2 MODE button and PRESET/TUNING indicators
- 3 STEREO/MONO button
- 4 Display window
- 5 -/+ button
- 6 BAND selector

CD player

- 7 Disc tray
- 8 OPEN/CLOSE button
- 9 PLAY MODE buttons
 - CONTINUE button
 - SHUFFLE button
 - PROGRAM button
- 10 REPEAT button
- 11 CD operation buttons
 - ◀◀◀◀▶▶▶▶: Manual search (when kept depressed)/Automatic Music Sensor (when pressed)
 - ▶▶: Play/Pause
 - : Stop
- 12 EDIT button

Display window B

- 13 Frequency and playing time display
- 14 CD selection numbers display
 - Preset station number display
- 15 CD status display
- 16 Tuner status display

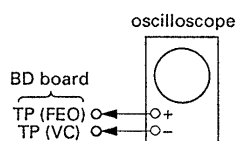
SECTION 3 ADJUSTMENTS

3-1. CD Section Checking

Note :

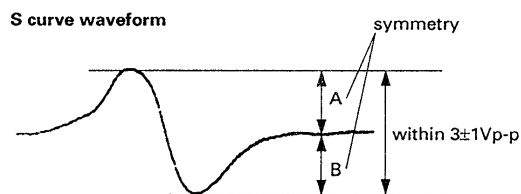
1. CD Block basically constructed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use the oscilloscope with more than $10M\Omega$ impedance.
4. Clean an object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

S Curve Check



Procedure :

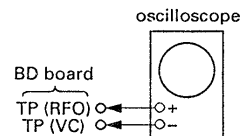
1. Connect oscilloscope to test point TP (FEO) on BD board.
2. Connect between test point TP (FES) and TP (VC) by lead wire.
3. Turned Power switch on and actuate the focus search. (actuate the focus search when disc table is moving in and out.)
4. Check the oscilloscope waveform (S curve) is symmetrical between A and B. And confirm peak to peak level within $3\pm 1V_{p-p}$.



5. After check, remove the lead wire TP(FES) connected in step 2.

- Note :**
- Try to measure several times to make sure that the ratio of A : B or B : A is more than 10 : 7.
 - Take sweep time as long as possible and light up the brightness to obtain best waveform.

RF Level Check

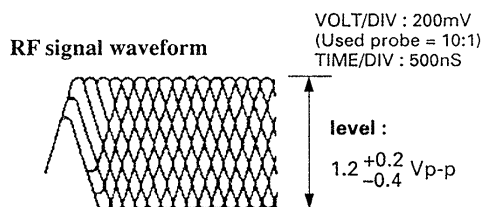


Procedure :

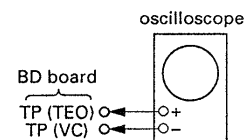
1. Connect oscilloscope to test point TP (RFO) on BD board.
2. Turn Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

Note :

Clear RF signal waveform means that the shape “◇” can be clearly distinguished at the center of the waveform.



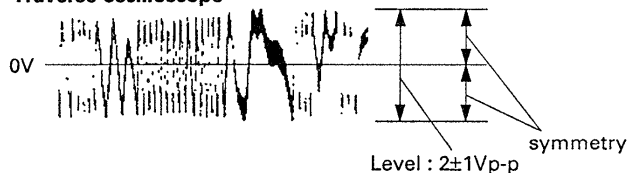
E-F Balance Check



Procedure :

1. Connect test point TP (ADJ) to ground and TP (TES) to TP (VC) with lead wire.
2. Connect oscilloscope to test point TP (TEO) on BD board.
3. Turn Power switch on.
4. Put disc (YEDS-18) in and playback.
5. Confirm that the oscilloscope waveform is symmetrical on the top and bottom in relation to 0V, and check this level.

Traverse oscilloscope

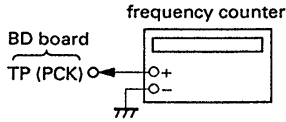


6. Remove the lead wire (TP [ADJ] and TP [TES]) connected in step 1.

RF PLL Free-run Frequency Check

Procedure :

1. Connect frequency counter to test point (PCK) with lead wire.



2. Turn Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Confirm that reading on frequency counter is 4.3218MHz.

Focus/Tracking Gain

This gain has a margin, so even if it is slightly off.

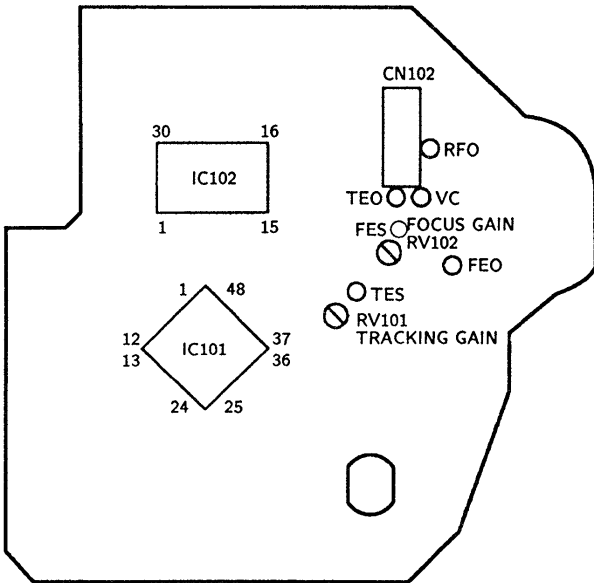
There is no problem.

Therefore, do not perform, this adjustment.

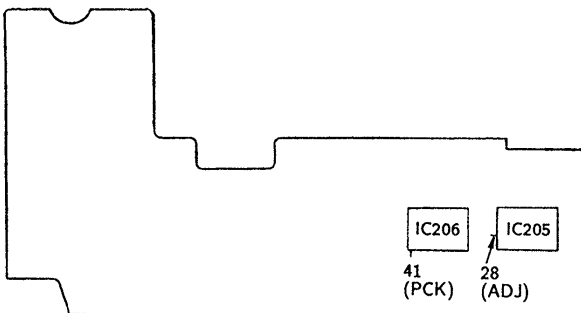
Please note that it should be fixed to mechanical center position when you moved and do not know original position.

Checking Location:

[BD BOARD] — Conductor side —



[CD BOARD] — Conductor side —

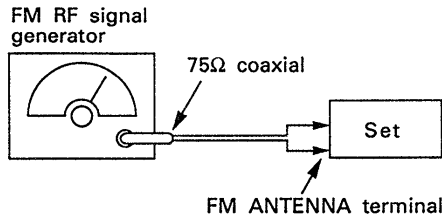


3-2. Tuner Section Adjustments

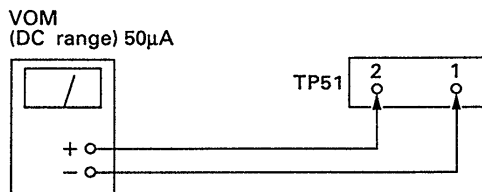
FM SECTION

Note : The FM front-end is carefully adjusted at the factory and is supplied as one whole block for replacement.

Setting :



Carrier frequency : 98MHz
 Modulation : 1kHz, 40kHz deviation
 Output level : 1mV (60dBμ)



FM Discriminator Alignment (NULL Check)

BAND switch: FM

Procedure:

1. Supply a 1mV (60dBμ) 98MHz signal from the ANTENNA terminal.
2. Tune the set to 98MHz.
3. Adjust IFT51 for 0V reading on the VOM.

Adjustment Location: TUNER board.

Note : FM tuned indication lighting level adjustment should be made after FM discriminator alignment.

FM Tuned Indication Lighting Level Adjustment

BAND switch: FM

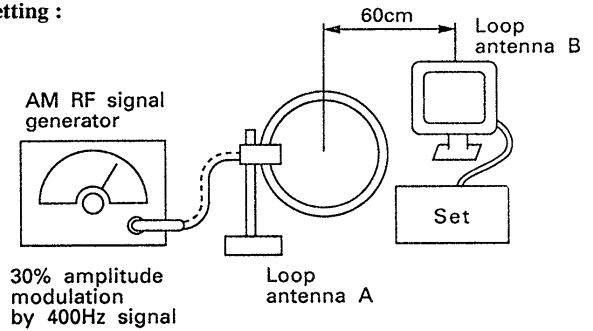
Procedure:

1. Supply a 22.5μV (27dBμ) (Except Germany and Italian models) or 12.5μV (22dBμ) (Germany and Italian models) 98MHz signal from the ANTENNA terminal.
2. Tune the set to 98MHz.
3. Adjust RV52 so that the **TUNED** light up.
4. Confirm that the **TUNED** light off with FMRFSG output level set at -3dB.

Adjustment Location : TCB board.

MW SECTION

Setting :



MW Tuned Indication Lighting Level Adjustment

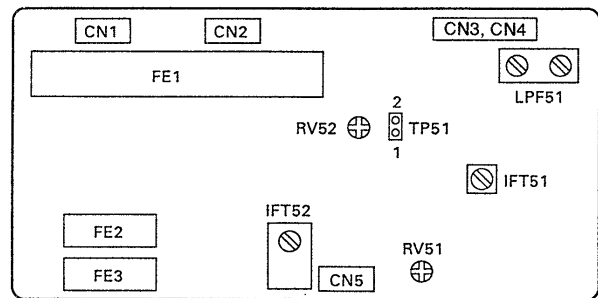
BAND switch: MW

Procedure:

1. Set loop antenna A so that the loop antenna B input level becomes 1mV (60dBμ).
2. Tune the set to 1,404kHz (9k step mode) (10k step mode : 1,490kHz).
3. Adjust the RV51 so that the **TUNED** light up.
4. Confirm that the **TUNED** light off with AM RF SG output level set at -3dB.

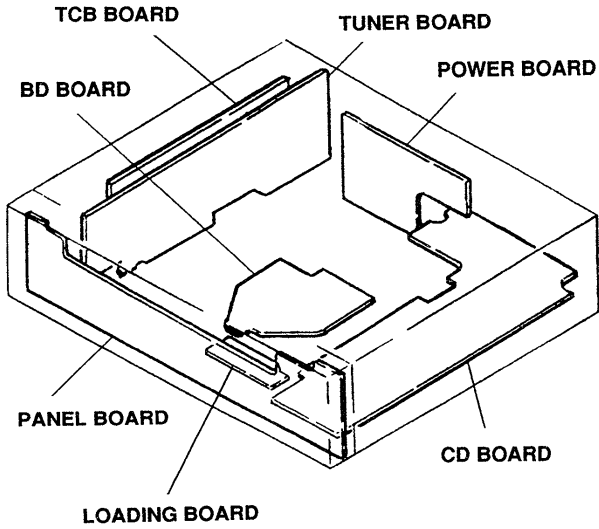
Adjustment Location : TCB board.

[TCB BOARD] — Component side —



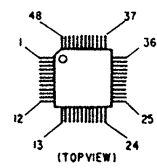
SECTION 4 DIAGRAMS

4-1. CIRCUIT BOARDS LOCATION

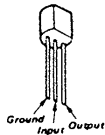


4-2. SEMICONDUCTOR LEAD LAYOUTS

CXA1372AQ



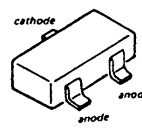
PST572C



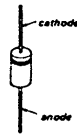
2SA1344



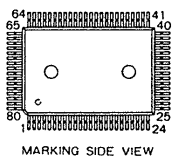
DCB010



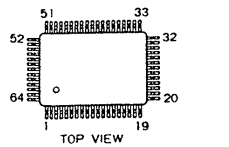
10E-2



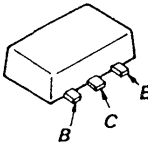
CXD2500BQ



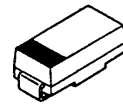
μ PD75116GF-G38-3BE



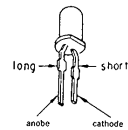
2SB798-DL
2SD999-CLCK



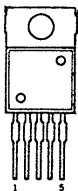
EC10QS-04



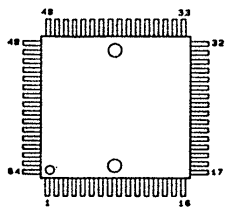
SEL2210S



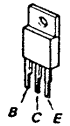
L78MR05



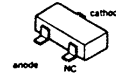
μ PD78011GC-514-AB8



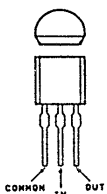
2SB1094-LK
2SD2012



UZM3.9Z
UZM4.7B
UZM10Y
UZM11X



NJM79L24A



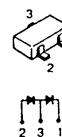
DTC144EK
2SC1623-L6
2SC3398
2SC3900



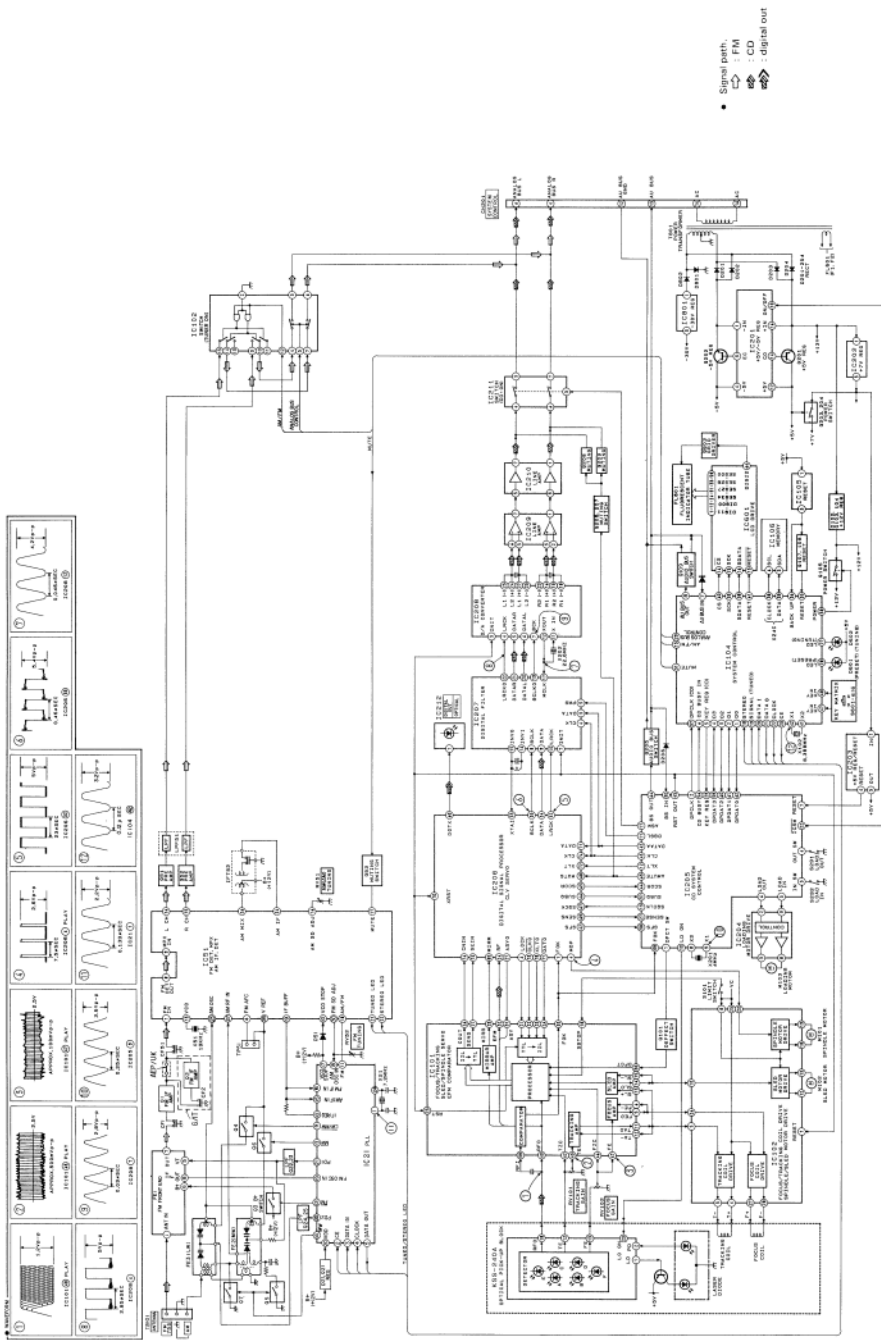
2SK208GR3



1SS226



4-3. BLOCK DIAGRAM

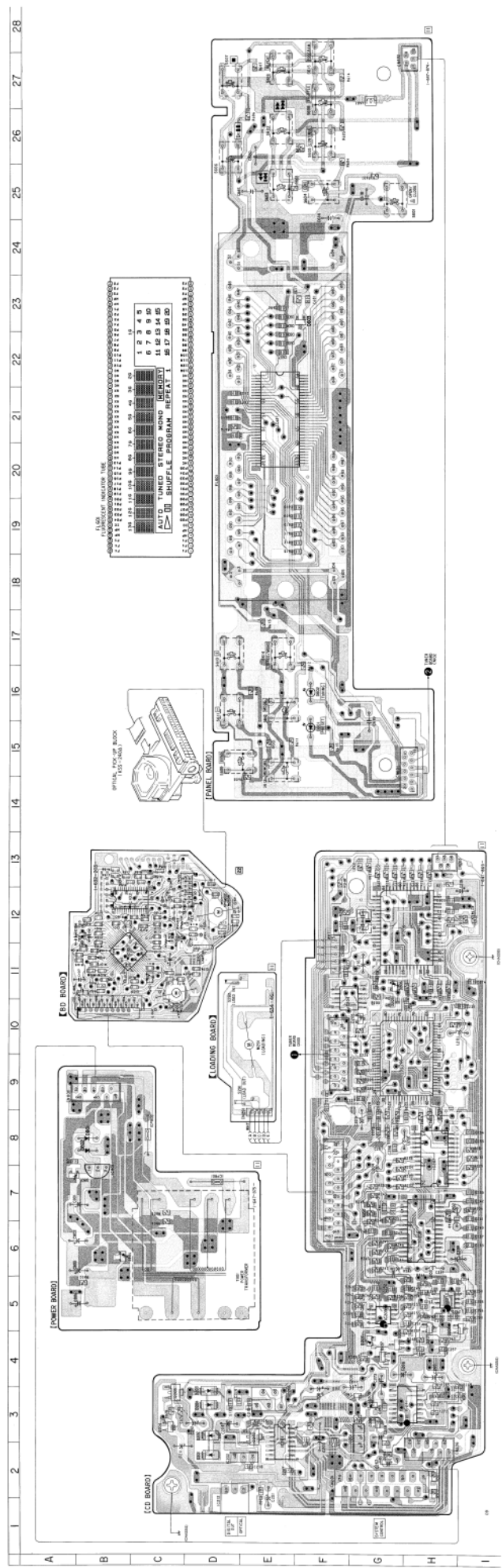


4.4. PRINTED WIRING BOARDS
 • CD SECTION
 • See page 8 for Circuit Boards Location and Semiconductor Lead Layouts.

• Semiconductor Location

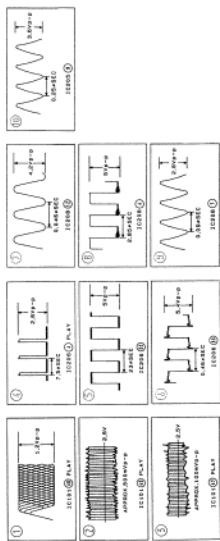
Part No.	Location
02001	D-2
02002	D-3
02003	D-10
02004	G-11
02007	G-13
02008	F-7
02009	F-7
02010	F-7
02011	F-7
02012	F-7
02013	F-7
02014	F-7
02015	F-7
02016	F-7
02017	F-7
02018	F-7
02019	F-7
02020	F-7
02021	F-7
02022	F-7
02023	F-7
02024	F-7
02025	F-7
02026	F-7
02027	F-7
02028	F-7
02029	F-7
02030	F-7
02031	F-7
02032	F-7
02033	F-7
02034	F-7
02035	F-7
02036	F-7
02037	F-7
02038	F-7
02039	F-7
02040	F-7
02041	F-7
02042	F-7
02043	F-7
02044	F-7
02045	F-7
02046	F-7
02047	F-7
02048	F-7
02049	F-7
02050	F-7
02051	F-7
02052	F-7
02053	F-7
02054	F-7
02055	F-7
02056	F-7
02057	F-7
02058	F-7
02059	F-7
02060	F-7
02061	F-7
02062	F-7
02063	F-7
02064	F-7
02065	F-7
02066	F-7
02067	F-7
02068	F-7
02069	F-7
02070	F-7
02071	F-7
02072	F-7
02073	F-7
02074	F-7
02075	F-7
02076	F-7
02077	F-7
02078	F-7
02079	F-7
02080	F-7
02081	F-7
02082	F-7
02083	F-7
02084	F-7
02085	F-7
02086	F-7
02087	F-7
02088	F-7
02089	F-7
02090	F-7
02091	F-7
02092	F-7
02093	F-7
02094	F-7
02095	F-7
02096	F-7
02097	F-7
02098	F-7
02099	F-7
02100	F-7

- Notes on printed wiring boards:
 - Through holes must be filled on the component side.
 - Plugs mounted on the conductor side.
 - Through holes have side which enables seating.
 - Pattern of the rear side.

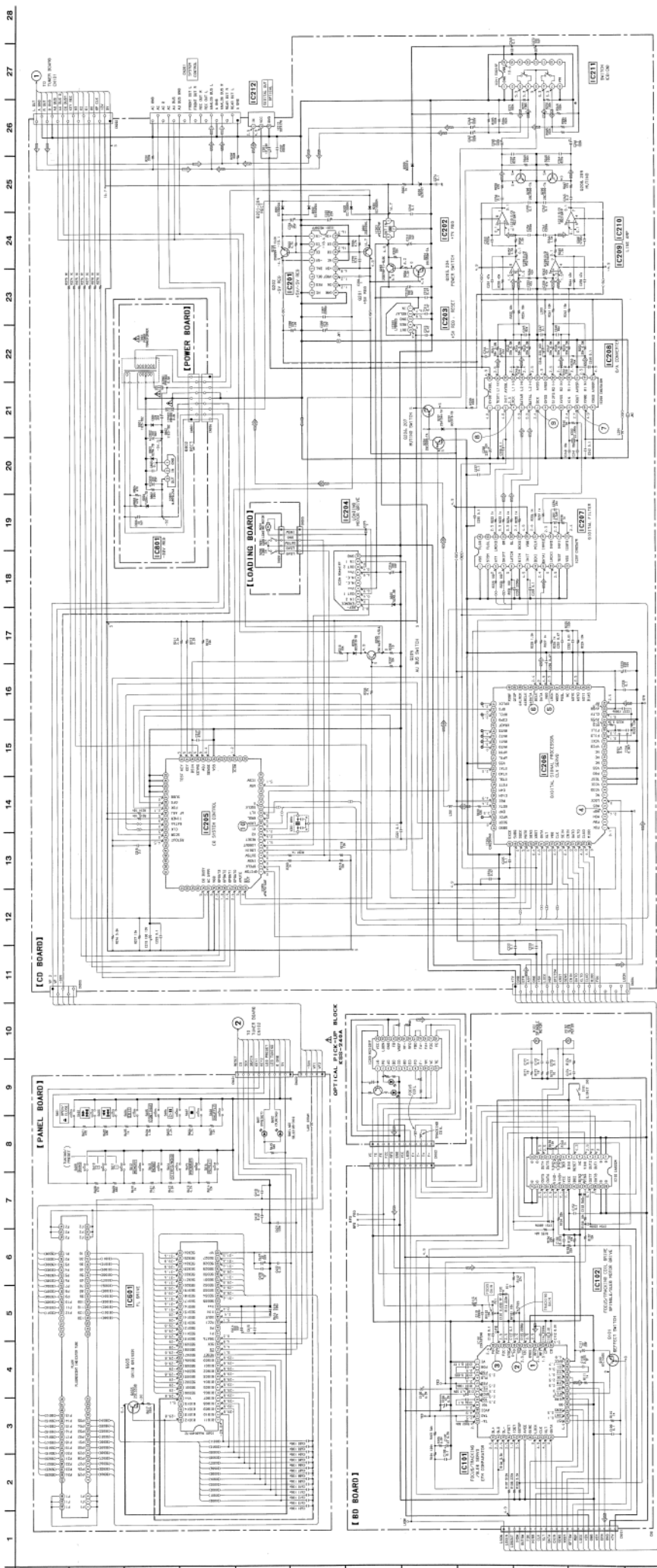


- Notes on schematic diagram:**
- All resistors are in ohms, 1.5K or less unless otherwise noted.
 - Capacitors are in microfarads unless otherwise noted.
 - \square = 100K
 - \square = 100
 - \square = 1000
 - Voltage and dc with respect to ground unless otherwise noted.
 - \square = CD STOP
 - Waveforms are taken with a VOM (input impedance 10 M Ω).
 - Voltage variations may be noted due to normal production tolerances.
 - Circled numbers refer to waveforms.
 - Waveforms are taken with a oscilloscope.
 - Waveforms are only for normal production tolerances.
 - Digital PW \square CD \rightarrow DIGITAL OUT

The components identified by mark \square or \square are not included in the kit. See catalog for details. Replace only with part number specified.

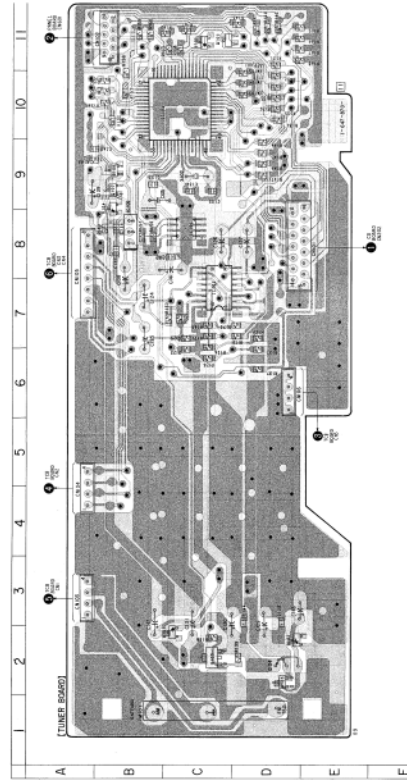


4-5. SCHEMATIC DIAGRAM - CD SECTION
- See page 25, 30 and 31 for IC Block Diagrams.



4-6. PRINTED WIRING BOARD
 - TUNER SECTION
 - See page 9 for Circuit Boards Location and Semiconductor Lead Layouts.

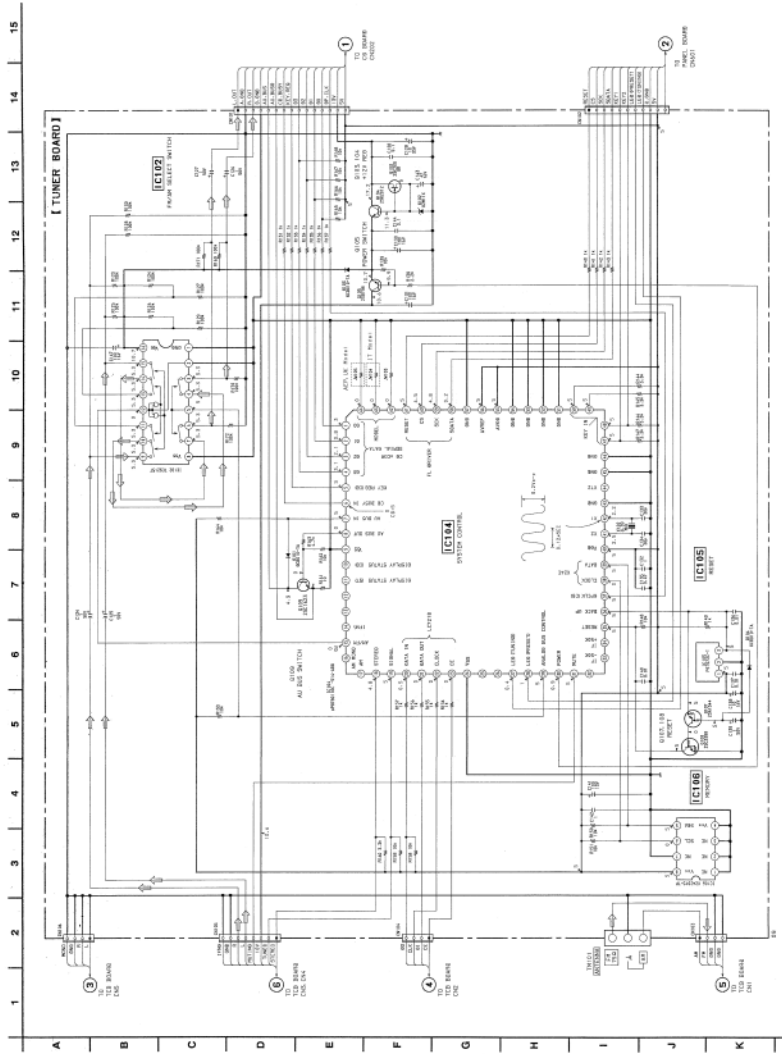
Part No.	Location
2100	D-1
2101	D-1
2102	D-1
2103	D-1
2104	D-1
2105	D-1
2106	D-1
2107	D-1
2108	D-1
2109	D-1
2110	D-1
2111	D-1
2112	D-1
2113	D-1
2114	D-1
2115	D-1
2116	D-1
2117	D-1
2118	D-1
2119	D-1
2120	D-1
2121	D-1
2122	D-1
2123	D-1
2124	D-1
2125	D-1
2126	D-1
2127	D-1
2128	D-1
2129	D-1
2130	D-1
2131	D-1
2132	D-1
2133	D-1
2134	D-1
2135	D-1
2136	D-1
2137	D-1
2138	D-1
2139	D-1
2140	D-1
2141	D-1
2142	D-1
2143	D-1
2144	D-1
2145	D-1
2146	D-1
2147	D-1
2148	D-1
2149	D-1
2150	D-1
2151	D-1
2152	D-1
2153	D-1
2154	D-1
2155	D-1
2156	D-1
2157	D-1
2158	D-1
2159	D-1
2160	D-1
2161	D-1
2162	D-1
2163	D-1
2164	D-1
2165	D-1
2166	D-1
2167	D-1
2168	D-1
2169	D-1
2170	D-1
2171	D-1
2172	D-1
2173	D-1
2174	D-1
2175	D-1
2176	D-1
2177	D-1
2178	D-1
2179	D-1
2180	D-1
2181	D-1
2182	D-1
2183	D-1
2184	D-1
2185	D-1
2186	D-1
2187	D-1
2188	D-1
2189	D-1
2190	D-1
2191	D-1
2192	D-1
2193	D-1
2194	D-1
2195	D-1
2196	D-1
2197	D-1
2198	D-1
2199	D-1
2200	D-1



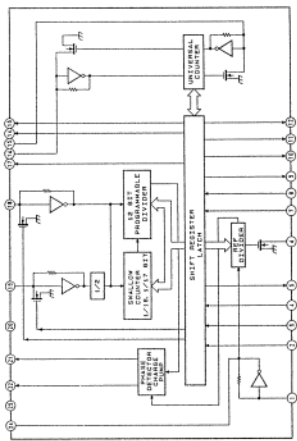
- Notes on printed wiring board:
- Through hole.
 - Surface mount.
 - Pattern of the rear side.
 - IT : Isolate Mount

- Notes on schematic diagram:
- All capacitors are μF unless otherwise noted. μF or μF 500V.
 - All resistors are in ohms, 100V or less unless otherwise noted.
 - : Signal path.
 - IT : Isolate Mount

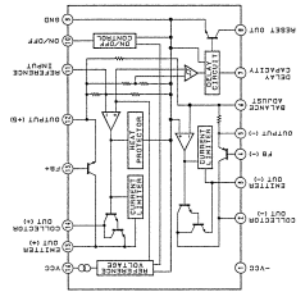
4-7. SCHEMATIC DIAGRAM
 - TUNER SECTION
 - See page 29, 30 and 31 for IC Block Diagrams.



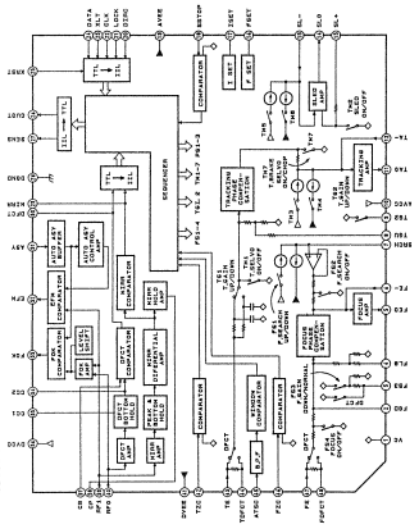
4-10. IC BLOCK DIAGRAMS
IC21 LC7218M



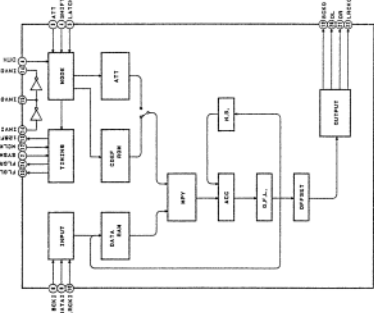
IC201 MS290FP



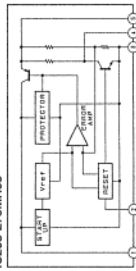
IC101 CXA1372AQ



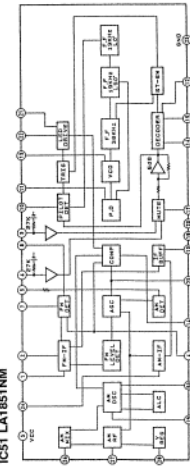
IC207 CXD2567M



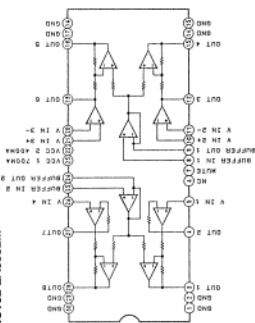
IC203 L78MR05



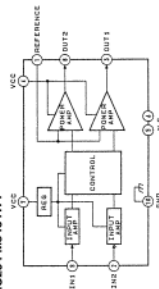
ICS1 LA1851NM



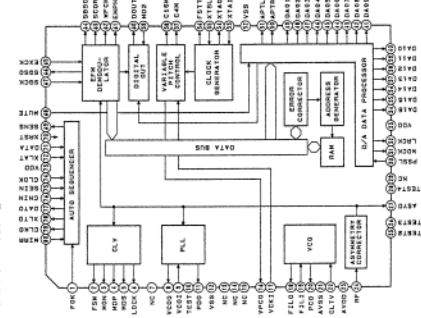
IC102 LA6522M



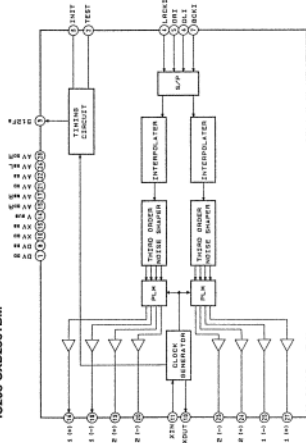
IC204 M54641FP



IC206 CXD2500EO



IC208 CXD2561BM



SECTION 5 IC PIN FUNCTIONS

• IC104 Tuner System Controller (μ PD78011GC-514-AB8)

No.	Name	I/O	Function
1	D0	I/O	Data input/output terminal with IC205 (CD system controller).
2	D1	I/O	Data input/output terminal with IC205 (CD system controller).
3	D2	I/O	Data input/output terminal with IC205 (CD system controller).
4	D3	I/O	Data input/output terminal with IC205 (CD system controller).
5	KEY REQ (CD)	O	Key data output timing. (CD)
6	CD BUSY INPUT	I	CD condition input.
7	AU BUS INPUT	I	Audio bus input.
8	AU BUS OUTPUT	O	Audio bus output.
9	Vss	-	GND pin.
10	Display status (CD)	O	Not used in this unit (Open).
11	Display status (ST)	O	Not used in this unit (Open).
12			Not used in this unit (Open).
13			Not used in this unit (Open).
14	IFOK	O	Not used in this unit (Open).
15	AM/FM	O	FM/AM selection output. "Low": FM "High": AM
16	AM forcible mono	O	Not used in this unit (Open).
17	AM	O	Not used in this unit (Open).
18	STEREO	I	STEREO input.
19	SIGNAL	I	SIGNAL input.
20	DATA INPUT	I	Data input from IC21 (PLL).
21	DATA OUTPUT	O	Data output to IC21 (PLL).
22	CLOCK	O	CLOCK output to IC21 (PLL).
23	CE	O	CE output to IC21 (PLL).
24	Vss	-	GND pin.
25			Not used in this unit (Open).
26			Not used in this unit (Open).
27	LED (TUNING)	O	Tuner "+"/"-" key mode LED output.
28	LED (PRESET)	O	Tuner "+"/"-" key mode LED output.
29	Analog bus control	O	Analog bus control output of IC102 (TC9215F-TP1).
30	POWER	O	Power output. "Low": ON "High": OFF
31	MUTE	O	Muting output. "Low": ON "High": OFF
32			Not used in this unit (Open).
33	IF -50K	I	IF offset input.
34	IF +50K	I	IF offset input.
35	RESET	I	Reset input.
36	BACK UP	I	Backup input.
37	DPCLK (CD)	I	CD display data timing input.
38	CLOCK	O	CLOCK output to IC106 (MEMORY).
39	DATA	I/O	Data input/output with IC106 (MEMORY).
40	VDD	-	Power supply pin (+5V).

No.	Name	I/O	Function
41	X2		Main clock.
42	X1	I	Main clock (8.38 MHz).
43	GND	–	GND pin.
44	XT2	–	Not used in this unit (Open).
45	GND	–	GND pin.
46	GND	–	GND pin.
47	Key input	I	Key input.
48	Key input	I	Key input.
49	Key input	I	Not used in this unit (+5V).
50	Key input	I	Not used in this unit (+5V).
51	GND	–	GND pin.
52	GND	–	GND pin.
53	GND	–	GND pin.
54	GND	–	GND pin.
55	AVDD	–	Power supply pin (+5V).
56	AVREF	–	Power supply pin (+5V).
57	GND	–	GND pin.
58	SDATA	O	Data output to IC601 (FL driver).
59	SCK	O	CLOCK output to IC601 (FL driver).
60	CS	O	CS output to IC601 (FL driver).
61	RESET	O	Reset output to IC601 (FL driver).
62	Destination	I	Destination determination input.
63	Destination	I	Destination determination input.
64	Destination	I	Destination determination input.

• **IC205 CD SYSTEM CONTROLLER (μ PD75116GF-G38-3BE)**

Controls IC101 (RF signal processing•servo), IC102 (DSP•digital filter) and loading, replaces data with IC104 (system controller), performs audio bus input, etc. of the CD section.

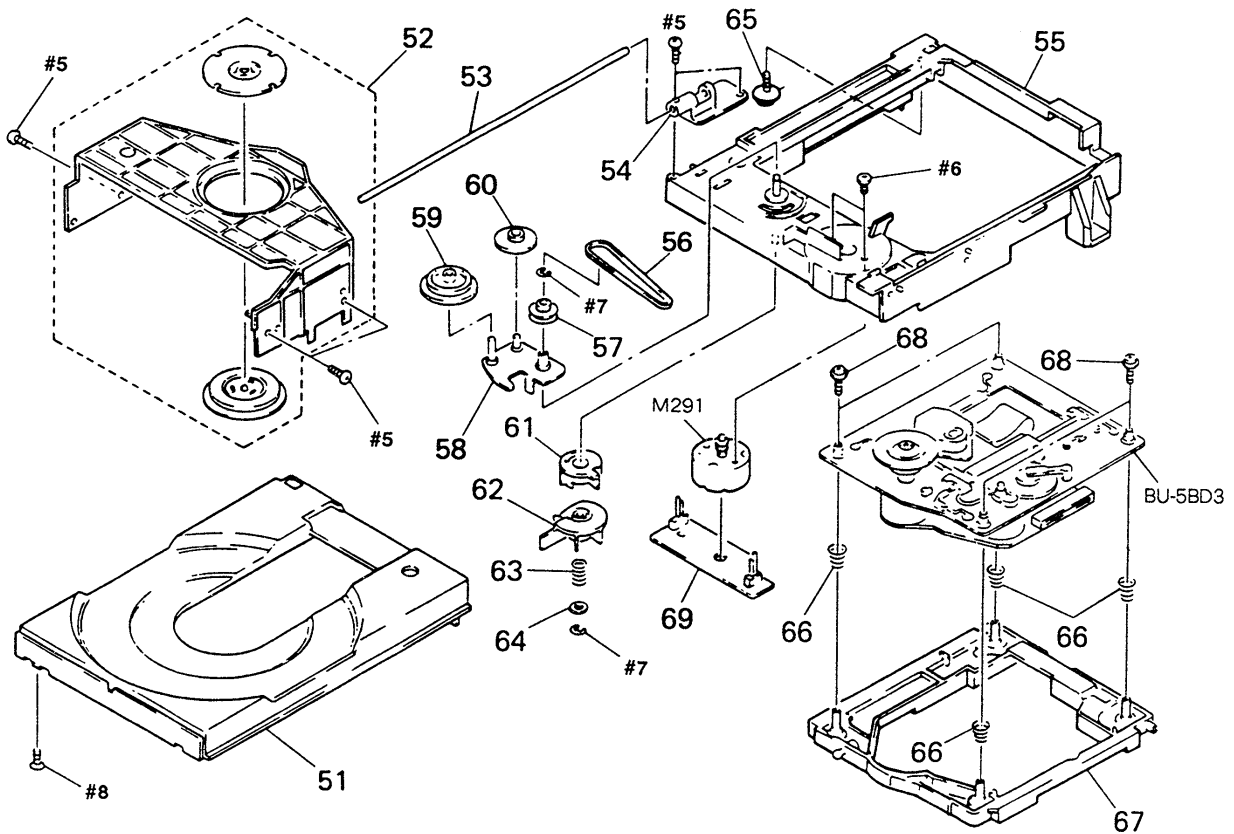
No.	Name	I/O	Function
1	DFCTSW	O	IC101 (CXA1372Q) DEFECT circuit ON/OFF selection output.
2	DPCLK	O	Display data transmission clock output to IC104 (μ PD78011GC-514-AB8).
3	INSW	I	S292 (loading-in switch) input.
4	OUTSW	I	S291 (loading-out switch) input.
5	LODIN	O	Output rotating M291 (loading motor) in loading-in direction. *1
6	LODOUT	O	Output rotating M291 (loading motor) in loading-out direction. *1
7	RESET	I	System reset input.
8	X2	I	Clock input.
9	X1	I	Clock input. (4 MHz)
10	LDON	O	Optical pickup laser diode on/off selection output. "High": ON
11	PRGL	O	Latch output to IC207 (digital filter).
12	XLT	O	Serial data latch output to IC206 (CXD2500BQ).
13	SQCLK	O	Sub-code Q data reading clock output to IC206 (CXD2500BQ).
14			Not used in this unit (Open).
15			Not used in this unit (Open).
16			Not used in this unit (Open).
17	ANASW	O	Analog bus control signal output of IC211 (TC9215F-TP1).
18	ICSW	I/O	CD power supply control pin. OFF: 0 output ON: Input (High impedance condition)
19			Not used in this unit (Open). (Same function as ICSW).
20			Not used in this unit (Open). (Same function as ICSW).
21			Not used in this unit (Open). (Same function as ICSW).
22	IVICSW	I/O	CD power supply control terminal. OFF: Input (High impedance condition) ON: 0 output
23			Not used in this unit (Open). (Same function as IVICSW).
24			Not used in this unit (Open). (Same function as IVICSW).
25			Not used in this unit (Open). (Same function as IVICSW).
26	Vss		GND pin.
27	SENSE	I	SENSE input from IC206 (CXD2500BQ).
28	ADJ	I	CD test mode input 1. Continues rotating the spindle motor even if the GFS check is not performed or no frame sync is output in PLAY, PAUSE, SEARCH at "Low".
29	KEYRQ	I	Key code input trigger from IC104 (μ PD78012GC-514-AB8). (Four falling edges for each key)
30	BSIN	I	Audio bus input.
31	ADKEY	I	AD key input pin.
32	ADSEL	I	AD key input permission selection pin.
33			Not used in this unit (GND).
34			Not used in this unit (GND).
35			Not used in this unit (GND).
36			Not used in this unit (GND).
37	SUBQ	I	Sub-code Q data input from IC206 (CXD2500BQ).
38	GFS	I	GFS signal input from IC206 (CXD2500BQ). "Low": NG "High": OK
39	FOK	I	Focus OK signal input from IC101 (CXA1372Q). "High": OK
40	AFADJ	I	CD test mode input 2.

No.	Name	I/O	Function
41	DACSW	I	IC208 (D/A converter) select pin. When DACSW: 1, CXD2561 .When DACSW: 0, CXD2562
42	DATAA	O	Serial data output to IC206 (CXD2500BQ), IC207 (CXD2567M).
43	CLK	O	Serial data transmission clock output to IC206 (CXD2500BQ), IC207 (CXD2567M).
44	SCOR	I	Sub-code sync S0+S1 detection input from IC206 (CXD2500BQ).
45	RSTOUT	O	Reset output to vicinity ICs.
46			Not used in this unit (Open).
47			Not used in this unit (Open).
48			Not used in this unit (Open).
49			Not used in this unit (Open).
40			Not used in this unit (Open).
51			Not used in this unit (Open).
52			Not used in this unit (Open).
53			Not used in this unit (Open).
54			Not used in this unit (Open).
55			Not used in this unit (Open).
56	CDBUSY	O	CD ON: "High".
57	NC	-	Not used in this unit (+5V).
58	VDD	-	Power supply pin (+5V).
59	DPDAT 3	I/O	Key data input and display data output with IC104 (μ PD78012GC-514-AB8).
60	DPDAT 2	I/O	Key data input and display data output with IC104 (μ PD78012GC-514-AB8).
61	DPDAT 1	I/O	Key data input and display data output with IC104 (μ PD78012GC-514-AB8).
62	DPDAT 0	I/O	Key data input and display data output with IC104 (μ PD78012GC-514-AB8).
63	AMUTE	O	Muting control output. "High": Mute
64	BSOUT	O	Audio bus output pin.

*1 Loading motor control

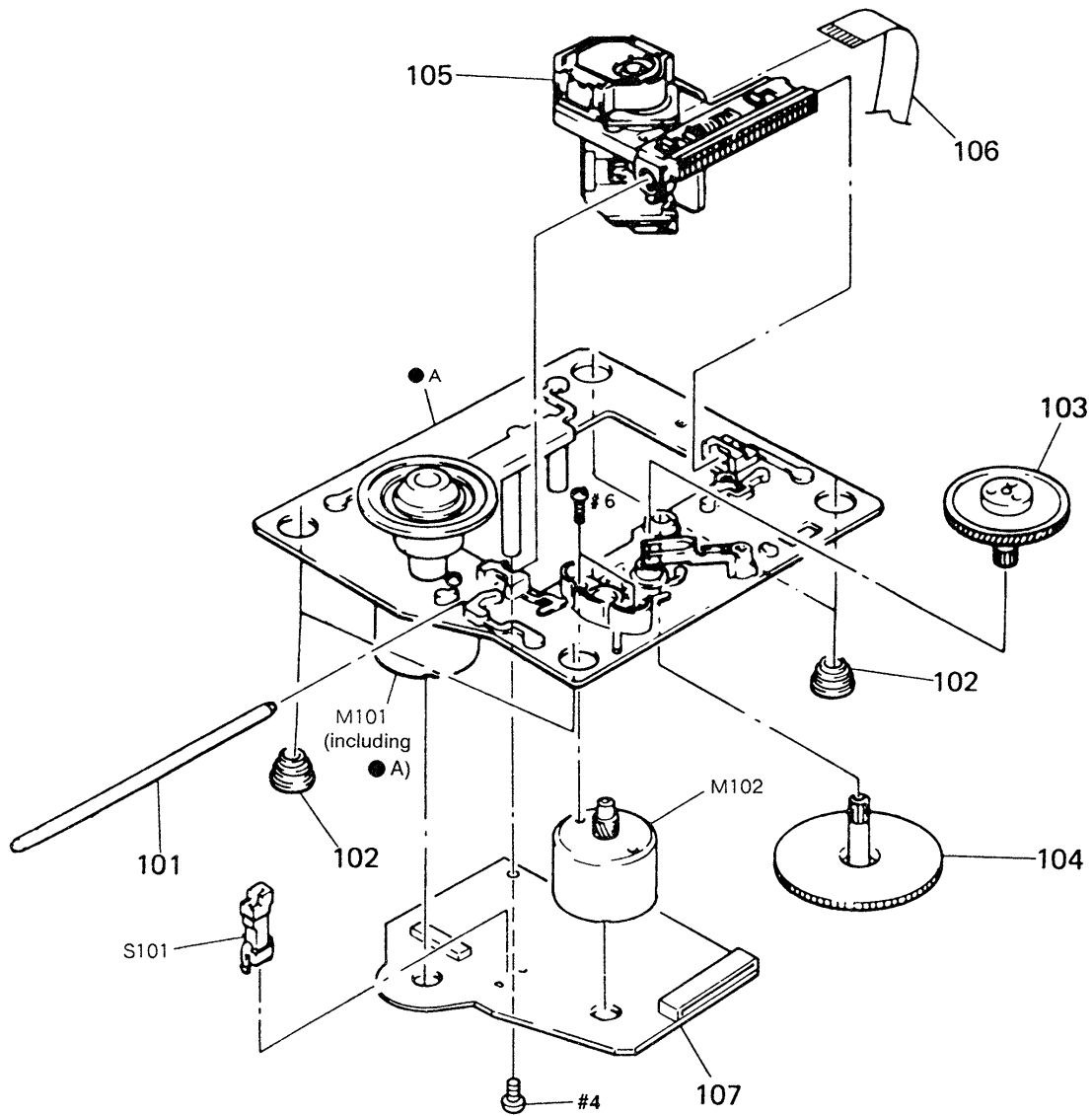
	IN	OUT	BRAKE
LOG OUT ⑥	L	H	H
LOG IN ⑤	H	L	H

**6-2. CD MECHANISM SECTION-1
(CDM13B-5BD3)**



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
51	4-944-012-01	TABLE, DISC		61	4-929-727-01	CAM (A)	
52	A-4604-752-A	HOLDER (MG) ASSY (AEP)		62	4-929-729-01	CAM (B)	
	A-4660-272-B	HOLDER (MG) ASSY (UK, G, IT)		63	3-659-338-00	SPRING, COMPRESSION	
53	4-929-764-01	SHAFT (TABLE GUIDE)		64	4-927-654-01	WASHER (LIMITER)	
54	4-944-006-01	BEARING					
55	X-4941-462-1	CHASSIS (MD) ASSY		* 65	4-917-583-21	BRACKET, YOKE	
56	4-927-649-01	BELT		66	4-929-729-01	CAM (B)	
57	4-929-724-01	PULLEY (B)			4-958-593-01	SPRING (BU), COMPRESSION (UK, G, IT)	
58	X-4929-703-1	ARM ASSY, SWING		67	4-929-747-01	HOLDER (BU)	
59	4-927-620-01	GEAR (P)		68	4-933-134-01	SCREW (+PTPWH M2. 6X6)	
60	4-927-628-01	GEAR (C)					
				* 69	1-634-461-11	LOADING BOARD	
				M291	A-4608-362-A	MOTOR (L) ASSY (LOADING)	

**6-3. CD MECHANISM SECTION-2
(BU-5BD3)**



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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	4-917-565-01	SHAFT, SLED		106	1-575-001-11	WIRE, FLAT TYPE (12 CORE)	
102	4-933-126-01	INSULATOR (A) (AEP)		* 107	A-4617-371-A	BD BOARD, COMPLETE	
	4-951-940-01	INSULATOR (BU) (UK, G, IT)		M101	X-4917-523-3	MOTOR, DISK ASSY (SPINDLE)	
103	4-917-567-01	GEAR (M)		M102	X-4917-504-1	MOTOR ASSY (SLED)	
104	4-917-564-01	GEAR (P), FLATNESS		S101	1-572-085-11	SWITCH, LEAF	
\triangle 105	8-848-144-11	DEVICE, OPTICAL KSS-240A					

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< SWITCH >					
S101	1-572-085-11	SWITCH, LEAF (LIMIT IN)		C237	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	

*	A-4360-225-A	CD BOARD, COMPLETE (AEP, UK)		C238	1-126-923-11	ELECT 220uF 20% 10V	

*	A-4360-729-A	CD BOARD, COMPLETE (G)		C239	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	

*	A-4360-733-A	CD BOARD, COMPLETE (IT)		C240	1-163-099-00	CERAMIC CHIP 18PF 5% 50V	

*	4-880-403-21	HEAT SINK		C241	1-163-099-00	CERAMIC CHIP 18PF 5% 50V	
		< CAPACITOR >					
C201	1-124-915-11	ELECT 10uF 20% 63V		C242	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C202	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V		C244	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C203	1-124-564-11	ELECT 4700uF 20% 25V		C245	1-163-115-00	CERAMIC CHIP 82PF 5% 50V	
C204	1-126-947-11	ELECT 47uF 20% 35V		C246	1-126-923-11	ELECT 220uF 20% 10V	
C206	1-164-346-11	CERAMIC CHIP 1uF 16V		C247	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C207	1-164-695-11	CERAMIC CHIP 0.0022uF 5% 50V					
C208	1-126-925-11	ELECT 470uF 20% 10V		C248	1-163-115-00	CERAMIC CHIP 82PF 5% 50V	
C209	1-126-925-11	ELECT 470uF 20% 10V		C249	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C210	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V		C251	1-163-109-00	CERAMIC CHIP 47PF 5% 50V	
C211	1-126-933-11	ELECT 100uF 20% 16V		C252	1-163-109-00	CERAMIC CHIP 47PF 5% 50V	
				C253	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C212	1-126-933-11	ELECT 100uF 20% 16V					
C213	1-164-005-11	CERAMIC CHIP 0.47uF 25V		C254	1-163-143-00	CERAMIC CHIP 0.0012uF 5% 50V	
C214	1-164-005-11	CERAMIC CHIP 0.47uF 25V		C255	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C215	1-164-005-11	CERAMIC CHIP 0.47uF 25V		C256	1-164-505-11	CERAMIC CHIP 2.2uF 16V	
C216	1-124-584-00	ELECT 100uF 20% 10V		C257	1-163-139-00	CERAMIC CHIP 820PF 5% 50V	
				C258	1-163-109-00	CERAMIC CHIP 47PF 5% 50V	
C217	1-163-133-00	CERAMIC CHIP 470PF 5% 50V					
C218	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V		C259	1-163-109-00	CERAMIC CHIP 47PF 5% 50V	
C219	1-124-584-00	ELECT 100uF 20% 10V		C260	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C220	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V		C261	1-163-143-00	CERAMIC CHIP 0.0012uF 5% 50V	
C221	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V		C262	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
				C263	1-164-505-11	CERAMIC CHIP 2.2uF 16V	
C222	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V					
C223	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V		C264	1-163-139-00	CERAMIC CHIP 820PF 5% 50V	
C224	1-164-005-11	CERAMIC CHIP 0.47uF 25V		C265	1-124-925-11	ELECT 2.2uF 20% 100V	
C225	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V		C266	1-124-925-11	ELECT 2.2uF 20% 100V	
C226	1-163-035-00	CERAMIC CHIP 0.047uF 50V		C267	1-124-925-11	ELECT 2.2uF 20% 100V	
				C268	1-124-925-11	ELECT 2.2uF 20% 100V	
C227	1-163-145-00	CERAMIC CHIP 0.0015uF 5% 50V					
C228	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V		C269	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C229	1-126-923-11	ELECT 220uF 20% 10V		C270	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C230	1-164-005-11	CERAMIC CHIP 0.47uF 25V		C272	1-126-933-11	ELECT 100uF 20% 16V	
C231	1-164-005-11	CERAMIC CHIP 0.47uF 25V		C273	1-164-346-11	CERAMIC CHIP 1uF 16V	
				C274	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C232	1-164-232-11	CERAMIC CHIP 0.01uF 50V					
C233	1-164-695-11	CERAMIC CHIP 0.0022uF 5% 50V		< CONNECTOR >			
C234	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V		* CN201	1-569-624-11	SOCKET, CONNECTOR 17P	
C235	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V		* CN202	1-568-834-11	SOCKET, CONNECTOR 15P	
C236	1-163-102-00	CERAMIC CHIP 24PF 5% 50V		CN203	1-695-830-11	HOUSING, CONNECTOR 5P	
				* CN204	1-568-822-11	SOCKET, CONNECTOR 22P	
				* CN205	1-564-339-51	PIN, CONNECTOR 5P	
				CN206	1-695-693-11	CONNECTOR, FFC/FPC 9P	
				< DIODE >			
				D201	8-719-210-39	DIODE EC10QS-04	
				D202	8-719-210-39	DIODE EC10QS-04	
				D203	8-719-210-39	DIODE EC10QS-04	
				D204	8-719-210-39	DIODE EC10QS-04	
				D205	8-719-021-13	DIODE UZM3.9Z	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D206	8-719-800-76	DIODE 1SS226		R211	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
D207	8-719-800-76	DIODE 1SS226		R212	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
D208	8-719-021-89	DIODE UZM10X		R213	1-216-073-00	METAL CHIP 10K 5% 1/10W	
D209	8-719-800-76	DIODE 1SS226		R214	1-216-073-00	METAL CHIP 10K 5% 1/10W	
		< IC >		R215	1-216-073-00	METAL CHIP 10K 5% 1/10W	
IC201	8-759-636-24	IC M5290FP		R216	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
IC202	8-759-148-80	IC uPC2407HF		R217	1-216-073-00	METAL CHIP 10K 5% 1/10W	
IC203	8-759-820-84	IC L78MR05		R218	1-216-073-00	METAL CHIP 10K 5% 1/10W	
IC204	8-759-636-20	IC M54641FP		R219	1-216-073-00	METAL CHIP 10K 5% 1/10W	
IC205	8-759-163-41	IC uPD75116GF-G38-3BE		R220	1-216-037-00	METAL CHIP 330 5% 1/10W	
IC206	8-752-352-93	IC CXD2500BQ		R221	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
IC207	8-752-356-03	IC CXD2567M		R222	1-216-073-00	METAL CHIP 10K 5% 1/10W	
IC208	8-752-351-19	IC CXD2561BM		R223	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
IC209	8-759-636-55	IC M5218AFP		R224	1-216-073-00	METAL CHIP 10K 5% 1/10W	
IC210	8-759-636-55	IC M5218AFP		R225	1-216-097-00	METAL CHIP 100K 5% 1/10W	
IC211	8-759-051-64	IC TC9215F-TP1		R226	1-216-049-00	METAL CHIP 1K 5% 1/10W	
IC212	8-749-923-04	IC TO1X178		R227	1-216-049-00	METAL CHIP 1K 5% 1/10W	
		< JUMPER RESISTOR >		R228	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
JW1	1-216-295-00	METAL CHIP 0 5% 1/10W		R229	1-216-025-00	METAL CHIP 100 5% 1/10W	
JW2	1-216-295-00	METAL CHIP 0 5% 1/10W		R230	1-216-025-00	METAL CHIP 100 5% 1/10W	
		< COIL >		R231	1-216-025-00	METAL CHIP 100 5% 1/10W	
L201	1-410-397-21	FERRITE BEAD INDUCTOR		R232	1-216-049-00	METAL CHIP 1K 5% 1/10W	
L202	1-410-464-11	INDUCTOR 3.3uH		R233	1-216-049-00	METAL CHIP 1K 5% 1/10W	
L203	1-410-397-21	FERRITE BEAD INDUCTOR		R234	1-216-049-00	METAL CHIP 1K 5% 1/10W	
L204	1-410-397-21	FERRITE BEAD INDUCTOR		R235	1-216-049-00	METAL CHIP 1K 5% 1/10W	
		< TRANSISTOR >		R236	1-216-049-00	METAL CHIP 1K 5% 1/10W	
Q201	8-729-141-83	TRANSISTOR 2SB1094-LK		R237	1-216-049-00	METAL CHIP 1K 5% 1/10W	
Q202	8-729-140-75	TRANSISTOR 2SD999-CLK		R238	1-216-049-00	METAL CHIP 1K 5% 1/10W	
Q203	8-729-101-07	TRANSISTOR 2SB798-DL		R239	1-216-097-00	METAL CHIP 100K 5% 1/10W	
Q204	8-729-805-41	TRANSISTOR 2SC3398		R240	1-216-121-00	METAL CHIP 1M 5% 1/10W	
Q205	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R241	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
Q206	8-729-805-41	TRANSISTOR 2SC3398		R242	1-216-082-00	METAL GLAZE 24K 5% 1/10W	
Q207	8-729-805-65	TRANSISTOR 2SA1344		R243	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
Q208	8-729-805-40	TRANSISTOR 2SC3900		R244	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
Q209	8-729-805-40	TRANSISTOR 2SC3900		R245	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
		< RESISTOR >		R246	1-216-082-00	METAL GLAZE 24K 5% 1/10W	
R201	1-216-097-00	METAL CHIP 100K 5% 1/10W		R247	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
R202	1-216-097-00	METAL CHIP 100K 5% 1/10W		R248	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
R203	1-216-065-00	METAL CHIP 4.7K 5% 1/10W		R249	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
R204	1-216-065-00	METAL CHIP 4.7K 5% 1/10W		R250	1-216-082-00	METAL GLAZE 24K 5% 1/10W	
R205	1-216-073-00	METAL CHIP 10K 5% 1/10W		R251	1-216-082-00	METAL GLAZE 24K 5% 1/10W	
R206	1-216-053-00	METAL CHIP 1.5K 5% 1/10W		R252	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
R207	1-216-073-00	METAL CHIP 10K 5% 1/10W		R253	1-216-079-00	METAL CHIP 18K 5% 1/10W	
R208	1-216-065-00	METAL CHIP 4.7K 5% 1/10W		R254	1-216-079-00	METAL CHIP 18K 5% 1/10W	
R209	1-216-001-00	METAL CHIP 10 5% 1/10W		R255	1-216-088-00	METAL CHIP 43K 5% 1/10W	
R210	1-216-073-00	METAL CHIP 10K 5% 1/10W		R256	1-216-088-00	METAL CHIP 43K 5% 1/10W	
				R257	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
				R258	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
				R259	1-216-041-00	METAL CHIP 470 5% 1/10W	
				R260	1-216-097-00	METAL CHIP 100K 5% 1/10W	

CD LOADING PANEL

Ref. No.	Part No.	Description	Remark
R261	1-216-079-00	METAL CHIP 18K 5% 1/10W	
R262	1-216-079-00	METAL CHIP 18K 5% 1/10W	
R263	1-216-088-00	METAL CHIP 43K 5% 1/10W	
R264	1-216-088-00	METAL CHIP 43K 5% 1/10W	
R265	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R266	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R267	1-216-041-00	METAL CHIP 470 5% 1/10W	
R268	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R269	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R270	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R271	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R272	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R273	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R274	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R275	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R276	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R277	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R278	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R279	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R280	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R281	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R282	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R283	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R284	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R285	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R286	1-216-097-00	METAL CHIP 100K 5% 1/10W	
< VIBRATOR >			
X201	1-577-358-21	VIBRATOR, CERAMIC (4MHz)	
X202	1-567-965-11	VIBRATOR, CRYSTAL (22.6MHz)	

*	1-634-461-11	LOADING BOARD	

< CONNECTOR >			
* CN291	1-564-498-11	PIN, CONNECTOR 5P	
< SWITCH >			
S291	1-571-924-11	SWITCH, LEAF (LOAD OUT)	
S292	1-571-924-11	SWITCH, LEAF (LOAD IN)	

Ref. No.	Part No.	Description	Remark
*	A-4360-227-A	PANEL BOARD, COMPLETE (AEP, UK)	

*	A-4360-731-A	PANEL BOARD, COMPLETE (G)	

*	A-4360-735-A	PANEL BOARD, COMPLETE (IT)	

*	4-932-810-11	CUSHION (FL)	
*	4-954-187-01	HOLDER (FL)	
< CAPACITOR >			
C601	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C602	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C603	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C604	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C605	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C606	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C607	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C608	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C609	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C610	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C611	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C612	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C613	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C614	1-124-584-00	ELECT 100uF 20% 10V	
C615	1-164-346-11	CERAMIC CHIP 1uF 16V	
C616	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C617	1-124-248-00	ELECT 22uF 20% 35V	
C618	1-136-169-00	FILM 0.22uF 5% 50V	
C619	1-136-173-00	FILM 0.47uF 5% 50V	
C620	1-136-173-00	FILM 0.47uF 5% 50V	
C621	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C622	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
< CONNECTOR >			
CN601	1-695-829-11	HOUSING, CONNECTOR 11P	
CN602	1-580-918-11	HOUSING, CONNECTOR 5P	
< DIODE >			
D601	8-719-301-37	LED SEL2210S-CD	
D602	8-719-301-37	LED SEL2210S-CD	
< FILTER >			
FL601	1-517-115-11	INDICATOR TUBE, FLUORESCENT	
< IC >			
IC601	8-759-077-16	IC M66004M4FP	

PANEL POWER TUNER

Ref.No.	Part No.	Description	Remark
		< COIL >	
L601	1-408-793-21	INDUCTOR CHIP 220uH	
		< TRANSISTOR >	
Q603	8-729-805-41	TRANSISTOR 2SC3398	
		< RESISTOR >	
R601	1-216-041-00	METAL CHIP 470 5% 1/10W	
R602	1-216-045-00	METAL CHIP 680 5% 1/10W	
R603	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R604	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R605	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R606	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R607	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R608	1-216-041-00	METAL CHIP 470 5% 1/10W	
R609	1-216-045-00	METAL CHIP 680 5% 1/10W	
R610	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R611	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R612	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R613	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R614	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R615	1-216-043-00	METAL CHIP 560 5% 1/10W	
R616	1-216-083-00	METAL CHIP 27K 5% 1/10W	
R617	1-216-097-00	METAL CHIP 100K 5% 1/10W	
		< SWITCH >	
S601	1-554-303-21	SWITCH, TACTILE (△)	
S602	1-554-303-21	SWITCH, TACTILE (▶▶)	
S603	1-554-303-21	SWITCH, TACTILE (◀◀)	
S604	1-554-303-21	SWITCH, TACTILE (EDIT)	
S605	1-554-303-21	SWITCH, TACTILE (CONTINUE)	
S606	1-554-303-21	SWITCH, TACTILE (▷ ■)	
S607	1-554-303-21	SWITCH, TACTILE (■)	
S608	1-554-303-21	SWITCH, TACTILE (SHUFFLE)	
S609	1-554-303-21	SWITCH, TACTILE (BAND)	
S610	1-554-303-21	SWITCH, TACTILE (+)	
S611	1-554-303-21	SWITCH, TACTILE (-)	
S612	1-554-303-21	SWITCH, TACTILE (MEMORY)	
S613	1-554-303-21	SWITCH, TACTILE (MODE)	
S614	1-554-303-21	SWITCH, TACTILE (STEREO/MONO)	
S615	1-554-303-21	SWITCH, TACTILE (PROGRAM)	
S616	1-554-303-21	SWITCH, TACTILE (REPEAT)	

Ref.No.	Part No.	Description	Remark
*	1-647-875-11	POWER BOARD *****	
		< CAPACITOR >	
C801	1-126-949-11	ELECT 220uF 20% 35V	
C802	1-124-122-11	ELECT 100uF 20% 50V	
C803	1-126-948-11	ELECT 100uF 20% 35V	
C805	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C806	1-126-157-11	ELECT 10uF 20% 16V	
		< CONNECTOR >	
CN801	1-695-729-11	CONNECTOR, FFC/FPC 9P	
		< DIODE >	
D801	8-719-200-02	DIODE 10E-2	
D802	8-719-200-02	DIODE 10E-2	
D803	8-719-021-23	DIODE UZM4.7B	
D804	8-719-021-23	DIODE UZM4.7B	
		< IC >	
IC801	8-759-700-72	IC NJM79L24A	
		< IC LINK >	
△ICP801	1-532-838-11	LINK, IC (PRF800 0.8A)	
△ICP802	1-532-838-11	LINK, IC (PRF800 0.8A)	
		< RESISTOR >	
R802	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R803	1-216-041-00	METAL CHIP 470 5% 1/10W	
R804	1-216-041-00	METAL CHIP 470 5% 1/10W	
		< TRANSFORMER >	
△T801	1-423-378-11	TRANSFORMER, POWER	

*	A-4360-226-A	TUNER BOARD, COMPLETE (AEP, UK) *****	
*	A-4360-730-A	TUNER BOARD, COMPLETE (G) *****	
*	A-4360-734-A	TUNER BOARD, COMPLETE (IT) *****	
		< CAPACITOR >	
C124	1-126-160-11	ELECT 1uF 20% 50V	
C125	1-126-160-11	ELECT 1uF 20% 50V	
C126	1-126-160-11	ELECT 1uF 20% 50V	
C127	1-126-160-11	ELECT 1uF 20% 50V	
C128	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	

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

TUNER

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C129	1-126-096-11	ELECT	10uF 20% 35V	Q109	8-729-120-28	TRANSISTOR	ZSC1623-L5L6
C130	1-126-933-11	ELECT	100uF 20% 16V			< RESISTOR >	
C131	1-126-933-11	ELECT	100uF 20% 16V				
C132	1-164-346-11	CERAMIC CHIP	1uF 16V	R123	1-216-097-00	METAL CHIP	100K 5% 1/10W
C133	1-163-104-00	CERAMIC CHIP	30PF 5% 50V	R124	1-216-097-00	METAL CHIP	100K 5% 1/10W
C134	1-163-104-00	CERAMIC CHIP	30PF 5% 50V	R125	1-216-097-00	METAL CHIP	100K 5% 1/10W
C135	1-136-173-00	FILM	0.47uF 5% 50V	R126	1-216-097-00	METAL CHIP	100K 5% 1/10W
C136	1-164-232-11	CERAMIC CHIP	0.01uF 50V	R127	1-216-097-00	METAL CHIP	100K 5% 1/10W
C137	1-164-232-11	CERAMIC CHIP	0.01uF 50V	R128	1-216-097-00	METAL CHIP	100K 5% 1/10W
C138	1-126-157-11	ELECT	10uF 20% 16V	R129	1-216-097-00	METAL CHIP	100K 5% 1/10W
C139	1-126-160-11	ELECT	1uF 20% 50V	R130	1-216-097-00	METAL CHIP	100K 5% 1/10W
C140	1-164-232-11	CERAMIC CHIP	0.01uF 50V	R131	1-216-049-00	METAL CHIP	1K 5% 1/10W
C141	1-124-584-00	ELECT	100uF 20% 10V	R132	1-216-049-00	METAL CHIP	1K 5% 1/10W
C142	1-164-346-11	CERAMIC CHIP	1uF 16V	R133	1-216-049-00	METAL CHIP	1K 5% 1/10W
C143	1-124-589-11	ELECT	47uF 20% 16V	R134	1-216-049-00	METAL CHIP	1K 5% 1/10W
C144	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	R135	1-216-049-00	METAL CHIP	1K 5% 1/10W
C147	1-126-933-11	ELECT	100uF 20% 16V	R136	1-216-049-00	METAL CHIP	1K 5% 1/10W
		< CONNECTOR >		R137	1-216-049-00	METAL CHIP	1K 5% 1/10W
* CN101	1-568-834-11	SOCKET, CONNECTOR	15P	R138	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
CN102	1-695-829-11	HOUSING, CONNECTOR	11P	R139	1-216-073-00	METAL CHIP	10K 5% 1/10W
CN103	1-573-105-11	CONNECTOR, PC BOARD	(RECEPTACLE)	R140	1-216-049-00	METAL CHIP	1K 5% 1/10W
CN104	1-573-105-11	CONNECTOR, PC BOARD	(RECEPTACLE)	R141	1-216-049-00	METAL CHIP	1K 5% 1/10W
* CN105	1-695-808-11	CONNECTOR, PC BOARD	(RECEPTACLE)	R142	1-216-049-00	METAL CHIP	1K 5% 1/10W
CN106	1-573-105-11	CONNECTOR, PC BOARD	(RECEPTACLE)	R143	1-216-049-00	METAL CHIP	1K 5% 1/10W
		< DIODE >		R144	1-216-061-00	METAL CHIP	3.3K 5% 1/10W
D101	8-719-990-39	DIODE	DCB010	R145	1-216-061-00	METAL CHIP	3.3K 5% 1/10W
D102	8-719-021-95	DIODE	UZM11B	R146	1-216-061-00	METAL CHIP	3.3K 5% 1/10W
D103	8-719-990-39	DIODE	DCB010	R147	1-216-061-00	METAL CHIP	3.3K 5% 1/10W
D104	8-719-990-39	DIODE	DCB010	R148	1-216-073-00	METAL CHIP	10K 5% 1/10W
		< IC >		R149	1-216-049-00	METAL CHIP	1K 5% 1/10W
IC102	8-759-051-64	IC	TC9215F-TP1	R150	1-216-073-00	METAL CHIP	10K 5% 1/10W
IC104	8-759-155-75	IC	uPD78011GC-514-AB8	R151	1-216-073-00	METAL CHIP	10K 5% 1/10W
IC105	8-759-510-43	IC	PST572C	R153	1-216-073-00	METAL CHIP	10K 5% 1/10W
IC106	8-759-504-12	IC	X24C01S	R154	1-216-049-00	METAL CHIP	1K 5% 1/10W
		< JUMPER RESISTOR >		R155	1-216-049-00	METAL CHIP	1K 5% 1/10W
JW103	1-216-295-00	METAL CHIP	0 5% 1/10W	R156	1-216-049-00	METAL CHIP	1K 5% 1/10W
JW104	1-216-295-00	METAL CHIP	0 5% 1/10W	R157	1-216-049-00	METAL CHIP	1K 5% 1/10W
			(IT)	R158	1-216-073-00	METAL CHIP	10K 5% 1/10W
JW105	1-216-295-00	METAL CHIP	0 5% 1/10W	R159	1-216-073-00	METAL CHIP	10K 5% 1/10W
			(AEP, UK)	R160	1-216-061-00	METAL CHIP	3.3K 5% 1/10W
		< TRANSISTOR >		R161	1-216-001-00	METAL CHIP	10 5% 1/10W
Q103	8-729-232-69	TRANSISTOR	2SK208GR3	R162	1-216-073-00	METAL CHIP	10K 5% 1/10W
Q104	8-729-209-15	TRANSISTOR	2SD2012	R163	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
Q105	8-729-101-07	TRANSISTOR	2SB798-DL	R164	1-216-073-00	METAL CHIP	10K 5% 1/10W
Q107	8-729-805-65	TRANSISTOR	2SA1344	R165	1-216-073-00	METAL CHIP	10K 5% 1/10W
Q108	8-729-805-41	TRANSISTOR	2SC3398	R166	1-216-073-00	METAL CHIP	10K 5% 1/10W
				R167	1-216-073-00	METAL CHIP	10K 5% 1/10W
				R168	1-216-073-00	METAL CHIP	10K 5% 1/10W
				R169	1-216-097-00	METAL CHIP	100K 5% 1/10W
				R170	1-216-097-00	METAL CHIP	100K 5% 1/10W

TUNER	TCB
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Ref.No.	Part No.	Description	Remark
R171	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R172	1-216-097-00	METAL CHIP 100K 5% 1/10W	
< TERMINAL >			
* TM101	1-537-288-11	TERMINAL BOARD, ANTENNA (PAL)	
< VIBRATOR >			
X102	1-579-600-11	VIBRATOR, CERAMIC (8.39MHz)	

*	A-4303-343-A	TCB BOARD, COMPLETE (AEP, UK)	

*	A-4303-448-A	TCB BOARD, COMPLETE (G, IT)	

< CAPACITOR >			
C001	1-124-120-11	ELECT 220uF 20% 25V	
C002	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C003	1-163-009-11	CERAMIC CHIP 0.001uF 10% 50V	
C005	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C006	1-163-038-11	CERAMIC CHIP 0.1uF 25V	
C008	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C009	1-163-012-00	CERAMIC CHIP 0.0018uF 10% 50V	
C010	1-163-011-11	CERAMIC CHIP 0.0015uF 10% 50V	
C021	1-163-237-11	CERAMIC CHIP 27PF 5% 50V	
C022	1-163-237-11	CERAMIC CHIP 27PF 5% 50V	
C023	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C024	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C025	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C026	1-164-346-11	CERAMIC CHIP 1uF 16V	
C027	1-164-505-11	CERAMIC CHIP 2.2uF 16V	
C029	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C031	1-164-505-11	CERAMIC CHIP 2.2uF 16V	
C032	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C033	1-163-038-11	CERAMIC CHIP 0.1uF 25V	
C034	1-164-005-11	CERAMIC CHIP 0.47uF 25V	
C035	1-163-033-11	CERAMIC CHIP 0.022uF 50V	
C036	1-163-033-11	CERAMIC CHIP 0.022uF 50V	
C051	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C052	1-126-162-11	ELECT 3.3uF 20% 50V	
C053	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C054	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C055	1-163-105-00	CERAMIC CHIP 33PF 5% 50V	(AEP, UK)
C055	1-163-135-00	CERAMIC CHIP 560PF 5% 50V	(G, IT)
C056	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	(G, IT)
C057	1-164-346-11	CERAMIC CHIP 1uF 16V	

Ref.No.	Part No.	Description	Remark
C058	1-164-346-11	CERAMIC CHIP 1uF 16V	
C059	1-164-346-11	CERAMIC CHIP 1uF 16V	
C060	1-163-038-11	CERAMIC CHIP 0.1uF 25V	
C061	1-163-022-00	CERAMIC CHIP 0.012uF 10% 50V	
C062	1-163-022-00	CERAMIC CHIP 0.012uF 10% 50V	
C063	1-164-346-11	CERAMIC CHIP 1uF 16V	
C064	1-164-346-11	CERAMIC CHIP 1uF 16V	
C065	1-164-346-11	CERAMIC CHIP 1uF 16V	
C066	1-164-346-11	CERAMIC CHIP 1uF 16V	
C069	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C070	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C071	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C072	1-124-120-11	ELECT 220uF 20% 25V	
C073	1-164-505-11	CERAMIC CHIP 2.2uF 16V	
C074	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C075	1-126-157-11	ELECT 10uF 20% 16V	
C076	1-126-101-11	ELECT 100uF 20% 16V	
C079	1-126-157-11	ELECT 10uF 20% 16V	
C080	1-124-472-11	ELECT 470uF 20% 10V	
C081	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C082	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
C083	1-163-031-11	CERAMIC CHIP 0.01uF 50V	(G, IT)
< FILTER >			
CF001	1-579-675-11	FILTER, CERAMIC (10.7MHz)	
CF002	1-579-675-11	FILTER, CERAMIC (10.7MHz)	(G, IT)
CF051	1-579-675-11	FILTER, CERAMIC (10.7MHz)	
< CONNECTOR >			
CN001	1-573-105-11	CONNECTOR, PC BOARD	(RECEPTACLE) 4P
CN002	1-573-105-11	CONNECTOR, PC BOARD	(RECEPTACLE) 4P
CN003	1-573-105-11	CONNECTOR, PC BOARD	(RECEPTACLE) 4P
CN004	1-573-105-11	CONNECTOR, PC BOARD	(RECEPTACLE) 4P
CN005	1-573-105-11	CONNECTOR, PC BOARD	(RECEPTACLE) 4P
< DIODE >			
D021	8-719-422-46	DIODE MA8056	
D051	8-719-988-62	DIODE 1SS355	
< FRONTEND >			
FE001	1-465-673-11	FRONTEND (FM 2 BAND) (FM)	(AEP, UK)
FE001	1-463-957-12	FRONTEND (FM 4 BAND) (FM)	(G, IT)
FE002	1-239-030-11	ENCAPSULATED COMPONENT (MW)	
FE003	1-239-049-11	ENCAPSULATED COMPONENT (LW)	

TCB

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< FILTER >					
FL051	1-239-029-11	ENCAPSULATED COMPONENT (G, IT)		R005	1-216-109-00	METAL CHIP 330K 5%	1/10W (G, IT)
		< IC >		R006	1-216-037-00	METAL CHIP 330 5%	1/10W (G, IT)
IC021	8-759-821-43	IC LC7218M		R007	1-216-025-00	METAL CHIP 100 5%	1/10W
IC051	8-759-823-68	IC LA1851NM		R008	1-216-057-00	METAL CHIP 2.2K 5%	1/10W
		< IFT >		R009	1-216-089-00	METAL CHIP 47K 5%	1/10W
IFT051	1-404-954-11	TRANSFORMER, DISCRIMINATOR (FM DET)		R010	1-216-097-00	METAL CHIP 100K 5%	1/10W
IFT052	1-404-713-11	TRANSFORMER, IF (MW/LW IF)		R011	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
		< JUMPER RESISTOR >		R012	1-216-057-00	METAL CHIP 2.2K 5%	1/10W
JW001	1-216-295-00	METAL CHIP 0 5%	1/10W	R013	1-216-089-00	METAL CHIP 47K 5%	1/10W
JW002	1-216-295-00	METAL CHIP 0 5%	1/10W (AEP, UK)	R014	1-216-081-00	METAL CHIP 22K 5%	1/10W
JW004	1-216-295-00	METAL CHIP 0 5%	1/10W	R015	1-216-121-00	METAL CHIP 1M 5%	1/10W
JW005	1-216-295-00	METAL CHIP 0 5%	1/10W	R016	1-216-089-00	METAL CHIP 47K 5%	1/10W
JW007	1-216-295-00	METAL CHIP 0 5%	1/10W	R021	1-216-049-00	METAL CHIP 1K 5%	1/10W
		< COIL >		R022	1-216-049-00	METAL CHIP 1K 5%	1/10W
L001	1-408-793-21	INDUCTOR CHIP 220uH		R023	1-216-049-00	METAL CHIP 1K 5%	1/10W
L051	1-408-798-00	INDUCTOR CHIP 1mH		R024	1-216-025-00	METAL CHIP 100 5%	1/10W
		< LPF >		R025	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
LPF051	1-235-221-00	FILTER, LOW PASS		R026	1-216-049-00	METAL CHIP 1K 5%	1/10W
		< TRANSISTOR >		R027	1-216-073-00	METAL CHIP 10K 5%	1/10W
Q001	8-729-804-72	TRANSISTOR 2SC2814-F4		R028	1-216-073-00	METAL CHIP 10K 5%	1/10W
Q002	8-729-804-72	TRANSISTOR 2SC2814-F4	(G, IT)	R029	1-216-025-00	METAL CHIP 100 5%	1/10W
Q003	8-729-810-16	TRANSISTOR 2SA1678		R030	1-216-061-00	METAL CHIP 3.3K 5%	1/10W
Q004	8-729-602-36	TRANSISTOR 2SA1602		R031	1-216-043-00	METAL CHIP 560 5%	1/10W
Q005	8-729-810-28	TRANSISTOR 2SC4398		R032	1-216-049-00	METAL CHIP 1K 5%	1/10W
Q006	8-729-602-36	TRANSISTOR 2SA1602		R033	1-216-035-00	METAL CHIP 270 5%	1/10W
Q007	8-729-810-28	TRANSISTOR 2SC4398		R034	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
Q021	8-729-602-21	TRANSISTOR 2SC4154-F		R035	1-216-057-00	METAL CHIP 2.2K 5%	1/10W
Q022	8-729-232-69	TRANSISTOR 2SK208GR3		R036	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
Q023	8-729-232-59	TRANSISTOR 2SC4666B		R037	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
Q024	8-729-232-69	TRANSISTOR 2SK208GR3		R038	1-216-025-00	METAL CHIP 100 5%	1/10W
Q025	8-729-232-58	TRANSISTOR 2SC4666B		R039	1-216-061-00	METAL CHIP 3.3K 5%	1/10W
Q051	8-729-602-21	TRANSISTOR 2SC4154-F		R040	1-216-043-00	METAL CHIP 560 5%	1/10W
Q052	8-729-602-21	TRANSISTOR 2SC4154-F		R041	1-216-049-00	METAL CHIP 1K 5%	1/10W
Q053	8-729-810-28	TRANSISTOR 2SC4398		R042	1-216-035-00	METAL CHIP 270 5%	1/10W
		< RESISTOR >		R043	1-216-081-00	METAL CHIP 22K 5%	1/10W
R001	1-216-037-00	METAL CHIP 330 5%	1/10W	R044	1-216-057-00	METAL CHIP 2.2K 5%	1/10W
R002	1-216-037-00	METAL CHIP 330 5%	1/10W	R045	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
R003	1-216-109-00	METAL CHIP 330K 5%	1/10W	R046	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
R004	1-216-037-00	METAL CHIP 330 5%	1/10W	R047	1-216-025-00	METAL CHIP 100 5%	1/10W
				R051	1-216-049-00	METAL CHIP 1K 5%	1/10W
				R052	1-216-081-00	METAL CHIP 22K 5%	1/10W
				R053	1-216-085-00	METAL CHIP 33K 5%	1/10W
				R054	1-216-071-00	METAL CHIP 8.2K 5%	1/10W
				R055	1-216-075-00	METAL CHIP 12K 5%	1/10W (AEP, UK)
				R056	1-216-075-00	METAL CHIP 12K 5%	1/10W (G, IT)
				R057	1-216-073-00	METAL CHIP 10K 5%	1/10W

Ref. No.	Part No.	Description	Remark
R058	1-216-066-00	METAL CHIP 5.1K 5% 1/10W	
R059	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R060	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R061	1-216-115-00	METAL CHIP 560K 5% 1/10W	
R062	1-216-115-00	METAL CHIP 560K 5% 1/10W	
R063	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R064	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R065	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R066	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R067	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R068	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R069	1-216-025-00	METAL CHIP 100 5% 1/10W	
R070	1-216-025-00	METAL CHIP 100 5% 1/10W	
R071	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R072	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R073	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R074	1-216-013-00	METAL CHIP 33 5% 1/10W	
R075	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R079	1-216-049-00	METAL CHIP 1K 5% 1/10W	(AEP, UK)
R079	1-216-055-00	METAL CHIP 1.8K 5% 1/10W	(G, IT)
		< VARIABLE RESISTOR >	
RV051	1-238-601-11	RES, ADJ, CARBON 22K (MW/LW TUNED IND. LEVEL)	
RV052	1-238-601-11	RES, ADJ, CARBON 22K (FW TUNED IND. LEVEL)	
		< TEST PIN >	
* TP051	1-564-336-00	PIN, CONNECTOR 2P	
		< VIBRATOR >	
X021	1-577-126-11	VIBRATOR, CRYSTAL (7.2MHz)	
X051	1-577-075-11	OSCILLATOR, CERAMIC (456kHz)	

		MISCELLANEOUS	

5	1-696-738-11	WIRE (FLAT TYPE) (5 CORE)	
6	1-696-739-11	WIRE (FLAT TYPE) (11 CORE)	
7	1-690-753-11	WIRE (FLAT TYPE) (22 CORE)	
* 12	1-695-810-11	CONNECTOR, PC BOARD (PLUG) 8P	
* 13	1-695-809-11	CONNECTOR, PC BOARD (PLUG) 4P	
15	1-696-740-11	WIRE (FLAT TYPE) (15 CORE)	
21	1-696-750-11	WIRE (FLAT TYPE) (9 CORE)	
△105	8-848-144-11	DEVICE, OPTICAL KSS-240A	
106	1-575-001-11	WIRE, FLAT TYPE (12 CORE)	
M291	A-4608-362-A	MOTOR (L) ASSY (LOADING)	
M101	X-4917-523-3	MOTOR, DISK ASSY (SPINDLE)	

Ref. No.	Part No.	Description	Remark
M102	X-4917-504-1	MOTOR ASSY (SLED)	
S101	1-572-085-11	SWITCH, LEAF	

		ACCESSORIES & PACKING MATERIALS	

*	4-941-548-01	LABEL, CLASS 1	
*	4-957-154-21	INDIVIDUAL CARTON	
*	4-957-356-01	CUSHION (REAR)	
*	4-957-361-01	CUSHION (FRONT)	

		HARDWARE LIST	

#1	7-682-547-09	SCREW +BVT 3X6 (S)	
#2	7-685-871-01	SCREW +BVT 3X6 (S)	
#3	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#4	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S	
#5	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#6	7-621-775-10	SCREW +B 2.6X4	
#7	7-624-105-04	STOP RING 2.3, TYPE -E	
#8	7-685-234-19	SCREW +KTP 2.6X8 TYPE2NON-SLIT	
#9	7-621-255-15	SCREW +P 2X3	

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

HCD-H3800

9-957-632-11

Sony Corporation
Audio Group

— 48 —

English
93B09Y0959-1
Printed in Germany
© 1993. 2
Published by Audio Corporate Planning Group

HCD-H3800

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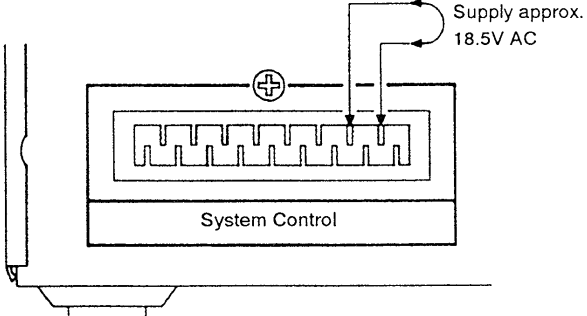
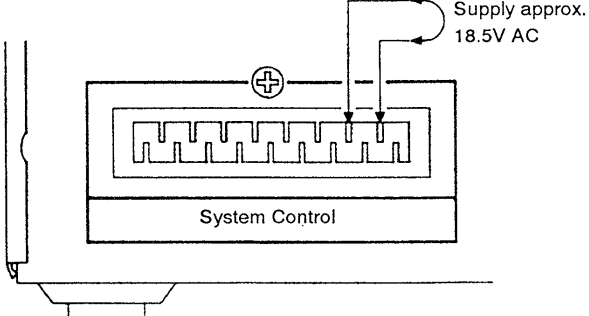
AEP Model
UK Model

CORRECTION-1

Correct your service manual as shown below

SECTION 1 SERVICE NOTE

 : indicates corrected portion.

Page	INCORRECT	CORRECT
3	<ul style="list-style-type: none">• TURNING ON THE POWER FORCIBLY This unit does not have a power switch. Its power is turned on/off by the amplifier. However, if power is being supplied, its power can be turned on without an amplifier using the following method.<ul style="list-style-type: none">• Press the “+” and “▶▶” switches together to turn on the CD section, (Tuner section stops functioning.)• Press the “-” and “◀◀” switches together to turn on the tuner section (CD section stops functioning.)  <p>(The power can also be supplied by connecting the connector of the “CDP/TC” section of the PFJ-1 tool.)</p>	<ul style="list-style-type: none">• TURNING ON THE POWER FORCIBLY This unit does not have a power switch. Its power is turned on/off by the amplifier. However, if power is being supplied, its power can be turned on without an amplifier using the following method.<ul style="list-style-type: none">• Press the <u>MODE</u> and “▶▶” switches together to turn on the CD section, (Tuner section stops functioning.)• Press the <u>STEREO/MONO</u> and “◀◀” switches together to turn on the tuner section (CD section stops functioning.)  <p>(The power can also be supplied by connecting the connector of the “CDP/TC” section of the PFJ-1 tool.)</p>

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CORRECTION-2

Correct your service manual as shown below.

 : indicates corrected portion.

Page	INCORRECT			CORRECT	
	No.	Part No.	Description	Part No.	Description
36	* 22	A-4360-228-A	POWER BOARD, COMPLETE (AEP, UK)	<u>1-647-875-11</u>	<u>PC BOARD, POWER</u>
		A-4360-732-A	POWER BOARD, COMPLETE (G)		_____
		A-4360-736-A	POWER BOARD, COMPLETE (IT)		_____
				_____	

HCD-H3800

SONY[®] SERVICE MANUAL

AEP Model
UK Model

CORRECTION-3

Correct your service manual as shown below.

____ (Under line) : indicates corrected portion.

Page	INCORRECT			CORRECT		
	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
36	* 11	A-4304-343-A	TCB BOARD, COMPLETE (AE, UK)	* 11	A- 4303 -343-A	TCB BOARD, COMPLETE (AE, UK)
36	* 11	A-4304-448-A	TCB BOARD, COMPLETE (G, IT)	* 11	A- 4303 -448-A	TCB BOARD, COMPLETE (G, IT)

(RPC-96010)