

CDP-597

SERVICE MANUAL

*US Model
AEP Model
UK Model*



Model Name Using Similar Mechanism	NEW
CD Mechanism Type	CDM14-5BD8A
Optical Pick-Up Block Type	BU-5BD8A

SPECIFICATIONS

Compact disc player

Frequency response	2 Hz – 20 kHz ± 0.5 dB
Signal to noise ratio	More than 105 dB
Dynamic range	More than 98 dB
Harmonic distortion	Less than 0.003%
Channel separation	More than 102 dB

Outputs

LINE OUT (FIXED) (phono jacks)	Output level 2 V (at 50 kilohms) Load impedance over 10 kilohms
LINE OUT (VARIABLE) (phono jacks)	Output level max. 2 V (at 50 kilohms) Load impedance over 50 kilohms
DIGITAL OUTPUT (OPTICAL) (optical output connector)	Wave length 660 nm Output level – 18 dBm
PHONES (stereo phone jack)	Output level max. 10 mW Load impedance 32 ohms

General

Power requirements	120 V AC, 60 Hz (US model) 220–230 V AC, 50/60 Hz (AEP, Germany model) 240 V AC, 50/60 Hz (UK model)
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Power consumption	12 W
Dimensions	Approx. 430 $\times$ 110 $\times$ 295 mm (w/h/d) (17 $\times$ 4 $\frac{3}{8}$ $\times$ 11 $\frac{5}{8}$ inches)
Weight	Approx. 3.7 kg (8 lbs 3 oz), net

Remote commander (RM-D597)

Remote control system	Infrared control
Power requirements	3 V DC with two batteries size AA (IEC designation R6)
Dimensions	Approx. 40 $\times$ 20 $\times$ 175 mm (w/h/d) (1 $\frac{5}{8}$ $\times$ 1 $\frac{3}{16}$ $\times$ 7 inches)
Weight	95 g (3.3 oz) Including batteries

Supplied accessories

Connecting cord (1) (2 phono plugs $\leftrightarrow$ 2 phono plugs)
Remote commander (1)
Sony SUM-3 (NS) batteries (2)

Optional accessory

Audio Optical connecting cord POC-15

Design and specifications are subject to change without notice.



COMPACT DISC PLAYER
SONY®

CDP-597

SERVICE MANUAL

*US Model
AEP Model
UK Model*



SPECIFICATIONS

Compact disc player

Frequency response 2 Hz - 20 kHz (±0.5 dB)
Signal-to-noise ratio More than 100 dB
Dynamic range More than 80 dB
Harmonic distortion Less than 0.005%
Channel separation More than 100 dB

Outputs

LINE OUT (PHONO) (phono jacks)
Output level 2 V (at 60 dB/dB)
Load impedance per ch. 10 k Ω

LINE OUT (AMPLIFIER) (phono jacks)
Output level max. 2 V
(at 60 dB/dB)
Load impedance per ch. 10 k Ω

DIGITAL OUTPUT (OPTICAL) (optical output connector)
Wired length 100 cm
Output level -10 dBm

FM/AM (phono) (phono jacks)
Output level max. 10 mV
Load impedance 10 k Ω

General

Power requirements 100 V ac, 50/60 Hz (US model)
200 - 250 V ac, 50/60 Hz (AEP, Germany model)
200 V ac, 50/60 Hz (UK model)

Power consumption
(standby) 1.0 W

Approx. 400 (1100 x 100 mm)
100 (30)
170 x 170 x 170 mm (incl.)
Approx. 3.7 kg (8 lb 7.5 oz, incl.)

Weight

Remote commander (RM-0007)

Remote control system Infrared control
Power requirements 3 V DC with two batteries (SR-44 (SR) coin/cell)
AA (SR) coin/cell (SR)

Dimensions Approx. 40 (100 x 110 mm)
100 (30)

Weight 170 x 170 x 170 mm (incl.)
80 g (2.8 oz)
including batteries

Supplied accessories

Connecting cord (1) (3-prong plug) - 3-prong plug)
Remote commander (1)
Sony SC-45 (SR) (battery) (2)

Optional accessory

Audio Optical connecting cord (PC-11)

Design and specifications are subject to change without notice.



COMPACT DISC PLAYER
SONY.

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

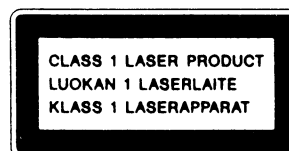
The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic breakdown 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 30cm away from the objective lens.



This Compact Disc player is classified as a CLASS 1 LASER product.

The CLASS 1 LASER PRODUCT label is located on the rear exterior.

SERVICING NOTE

1) Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Notes on chip component replacement

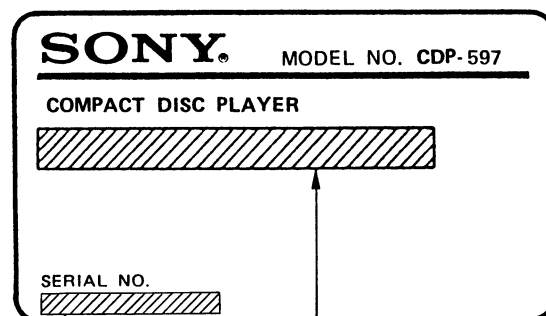
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

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.

MODEL IDENTIFICATION

—Model Number Label—



US Model: AC: 120V~60Hz
 AEP, Germany Model: AC: 220V~230V~50/60Hz
 UK Model: AC: 240V~50/60Hz

US, AEP Model: MADE IN JAPAN
 AEP, UK, Germany Model: MADE IN FRANCE

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SERVICING NOTE

1. Flexible Circuit Board Precaution

- Keep the temperature of the soldering iron around 270°C during reworking.
- Do not touch the soldering iron on the main conductor of the flexible board (within 2" board).
- Be careful not to apply force to the conductor when soldering or reworking.

2. Note on chip component replacement

- Never reuse a disconnected chip component.
- Verify that the value of a variable capacitor may be changed by test.

SAFETY-RELATED COMPONENT HANDLING

COMPONENTS IDENTIFIED BY MARK **A** OR IDENTIFIED BY MARK **A** ON THE SCHEMATIC DIAGRAM 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 SUPPLIERS' CATALOGUES BY SONY.

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

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic coat, oil, or dirt and the human body.

During repair, pay attention to electrostatic breakdown 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 of this model is connected to a mirror located on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from above then move away from the objective lens.



This Compact Disc player is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT label is located on the rear panel.

MODEL IDENTIFICATION

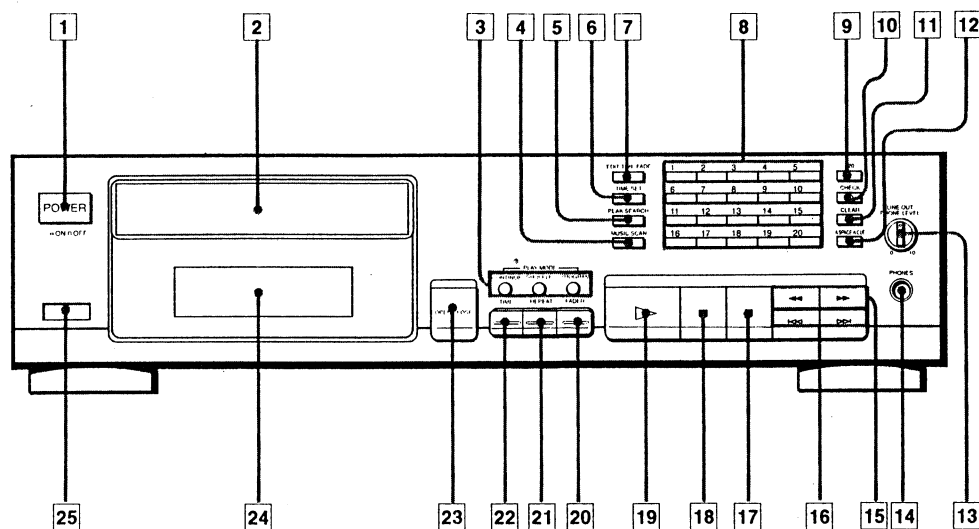
Model Number Label



SECTION 1 GENERAL

This section is extracted from instruction manual.

1-1. LOCATION OF CONTROLS



Refer to the pages indicated in () for details.

- 1 POWER switch (page 10)
- 2 Disc tray
- 3 PLAY MODE buttons
CONTINUE button (page 10)
SHUFFLE button (pages 14 and 15)
PROGRAM button (pages 18 and 22)
- 4 MUSIC SCAN button (page 16)
- 5 PEAK SEARCH button (page 27)
- 6 TIME SET button (pages 24 and 26)
- 7 EDIT/TIME FADE button (pages 24 and 26)
- 8 Numeric buttons (page 12)
- 9 >20 (over 20) button (page 12)
- 10 CHECK (program check) button (pages 18 and 23)
- 11 CLEAR (program clear) button (pages 15 and 18)
- 12 A.SPACE (auto space)/A.CUE (auto cue) button (pages 13 and 27)
- 13 LINE OUT/PHONE LEVEL control (pages 7 and 10)
- 14 PHONES jack

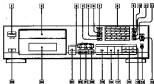
- 15 <<<>>> (manual search) buttons (page 12)
- 16 <<<>>> AMS* buttons (pages 12 and 22)
- 17 ■ (stop) button (page 10)
- 18 || (pause) button (page 10)
- 19 ► (play) button (page 10)
- 20 FADER (fade in/fade out) button (page 20)
- 21 REPEAT button (page 17)
- 22 TIME button (page 11)
- 23 ▲ OPEN/CLOSE button (page 10)
- 24 Display window (page 11)
- 25 Remote sensor

* AMS is the abbreviation of Automatic Music Sensor.

SECTION 1 GENERAL

This section is extracted from
operation manual.

1.1. LOCATION OF CONTROLS



Refer to the pages indicated in () for details.

- 1 POWER switch (page 10)
- 2 Meter (page 10)
- 3 PLAY/RECALL buttons (page 10)
- 4 CONTROL button (page 10)
- 5 SHUFFLE button (pages 14 and 20)
- 6 PROGRAM button (pages 14 and 20)
- 7 REPEAT/RECALL button (page 10)
- 8 REPEAT button (page 10)
- 9 TIME SET button (pages 14 and 20)
- 10 TIME/TIME/PAUSE button (pages 14 and 20)
- 11 Manual buttons (page 10)
- 12 >10 (over 10) button (page 10)
- 13 CHECK (program check) button (pages 14 and 20)
- 14 CLEAR (program clear) button (pages 14 and 20)
- 15 AUTOPLAY (auto speed/PAUSE) button (pages 14 and 20)
- 16 LMS (OUTPHONE LEVEL) control (pages 7 and 10)
- 17 PROGRAM (auto) button (page 10)

- 18 4-4 (4-4) manual search buttons (page 10)
- 19 4-4 (4-4) (4-4) buttons (pages 14 and 20)
- 20 4-4 (4-4) button (page 10)
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- 99 4-4 (4-4) button (page 10)
- 100 4-4 (4-4) button (page 10)

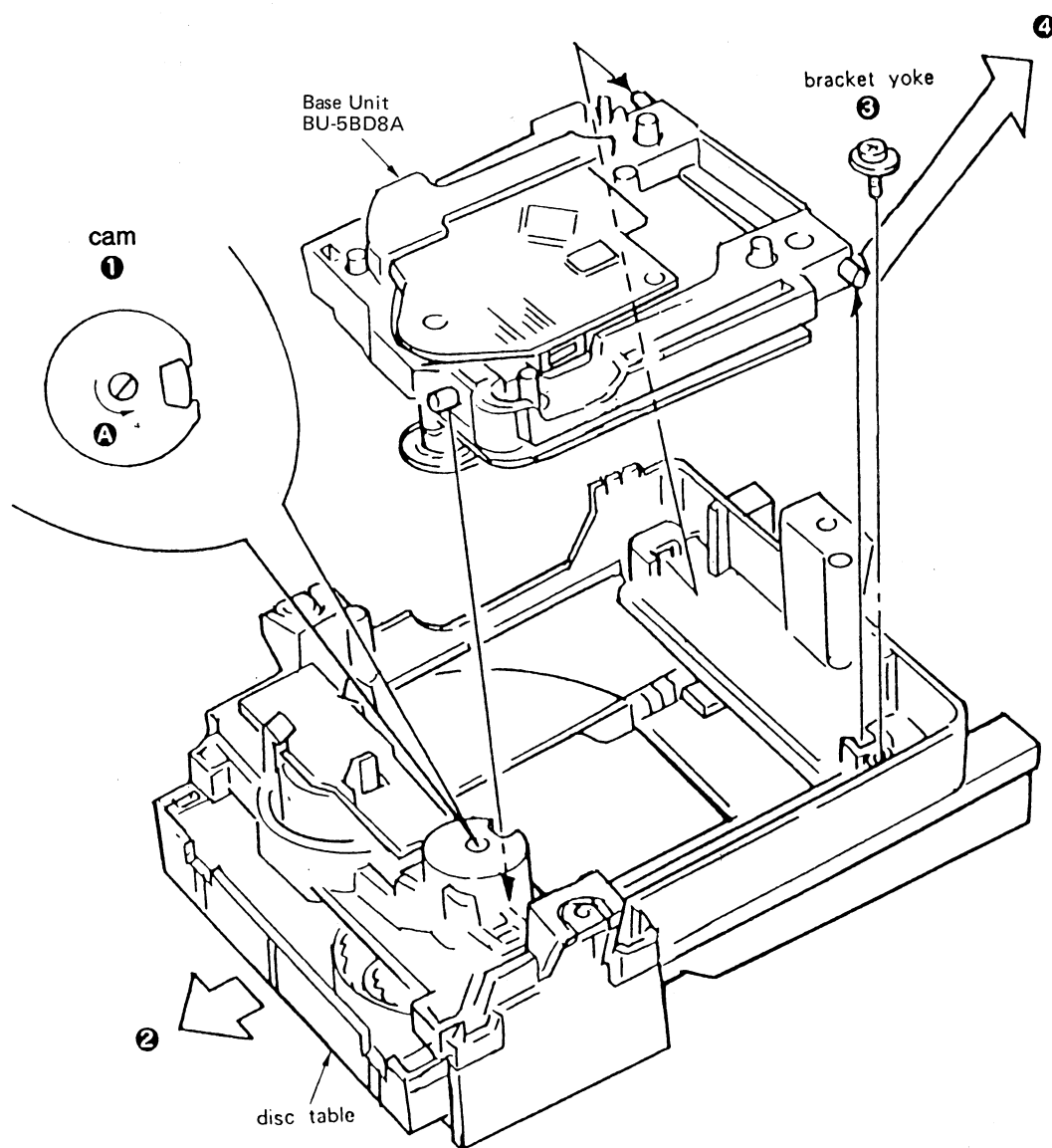
* ADD to the observation of Automatic Ready Sensor.

SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

BASE UNIT REMOVAL

1. Remove CD mechanism from the set and turn over.
2. Turn the cam ① in the Arrow A direction by the ⊖ driver.
3. Take out disc table ②.
4. Remove bracket yoke ③.
5. Remove BU-5BD8A ④ in the Arrow ④ direction.

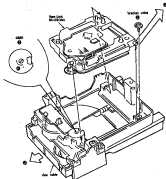


SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numbered order given.

BASE UNIT REMOVAL

1. Remove CD mechanism from the unit and turn over.
2. Turn the unit  in the Arrow  direction for the Guide.
3. Take out the pin .
4. Remove bracket plate .
5. Remove PU-1220A  in the Arrow  direction.

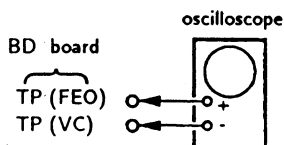


SECTION 3 ELECTRICAL BLOCK CHECKING

Note :

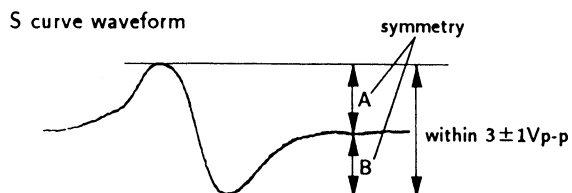
1. CD Block basically constructed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use the oscilloscope with more than $10M\Omega$ impedance.
4. Clean an object lens by an applicator with neutral detergent when 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 (FEO) and TP (VC) by lead wire.
3. Turned Power switch on and actuate the focus serch. (actuate the focus serch 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 $3 \pm 1V_{p-p}$.

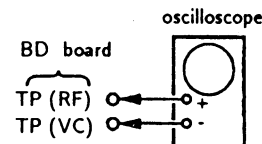


5. After check, remove the lead wire connected in step 2.

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

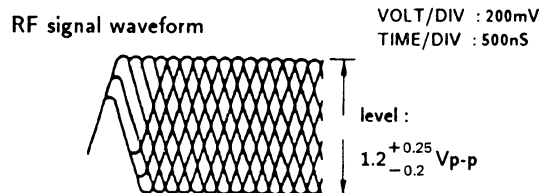


Procedure :

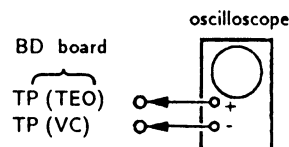
1. Connect oscilloscope to test point TP (RF) on BD board.
2. Turn Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

Note :

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

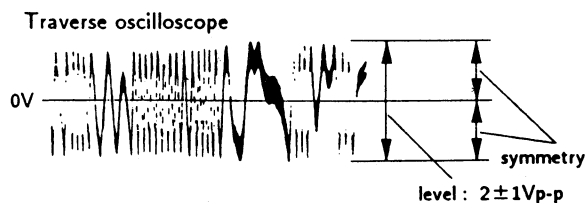


E-F Balance Check



Procedure :

1. Connect test point TP (ADJ) to ground and TP (TEI) 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.



6. Remove the lead wire connected in step 1.

SECTION 3 ELECTRICAL BLOCK CHECKING

Note:

1. CD Block basically constructed to operate without adjustment. Therefore, check each item in order given.
2. Use YTESB-18 die (S-700-001-01) unless otherwise indicated.
3. Use the oscilloscope with more than 10MΩ impedance.
4. Check an object less by an applicator with vertical stripes when the signal level is low than specified value with the following checks.

3 Curve Check



Procedure:

1. Connect oscilloscope to test point TP (PBC) on BD board.
2. Connect between test point TP (PBC) and TP (PC) by lead wire.
3. Turned Power switch on and adjust the focus knob (adjusts the focus knob when the table is working is not set.)
4. Check the oscilloscope waveform (B curve) is symmetrical between A and B, and confirm peak to peak level within 5:1 (Vp-p).

1 curve waveform



1. After check, remove the lead wire 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 50 : 1.

• Take every 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 (RF) on BD board.
2. Turn Power switch on.
3. Put die (YTESB-18) in test 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 "G" can be clearly distinguished at the center of the waveform.

RF signal waveform



B-F Balance Check



Procedure:

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

Trace oscilloscope

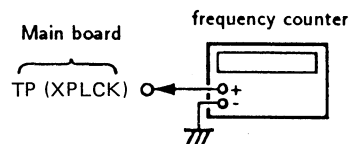


5. Remove the lead wire connected in step 1.

RF PLL Free-run Frequency Check

Procedure :

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



2. Turn Power switch on.
3. Confirm that reading on frequency counter is
4. 3218MHz.

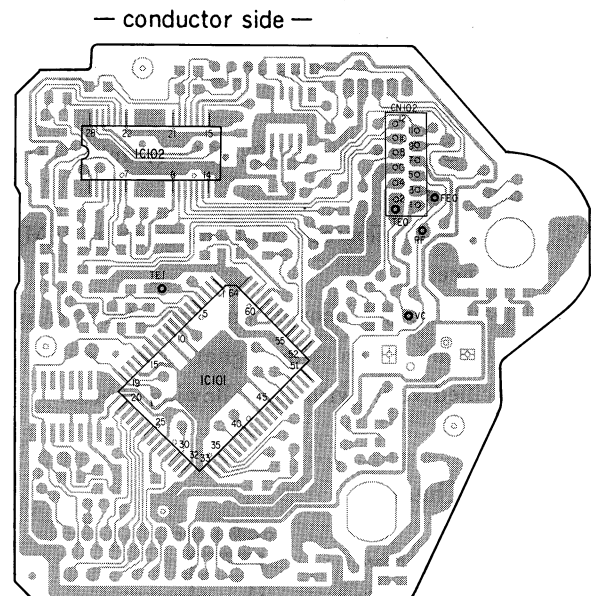
Focus/Tracking Gain

This gain has a margin, so even if it is slightly off. There is no problem.

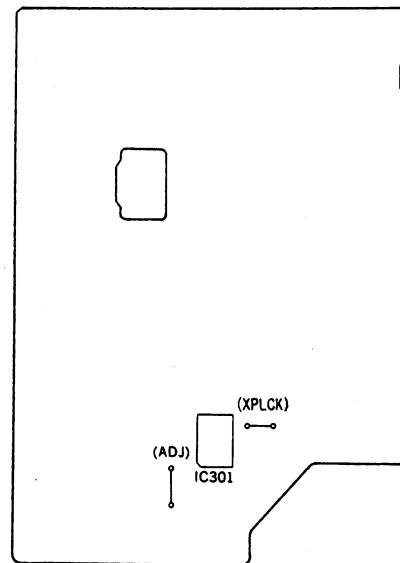
Therefore, do not perform, this adjustment.

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

Adjustment Locations: [BD board]



[Main board] —Component Side—



RF PLL Free-run Frequency Check

Procedure:

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



2. Turn Power switch on.
3. Confirm that reading on frequency counter is $\pm 10.0000\text{MHz}$.

Focus/Tracking Gain

This gain has a range, 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.

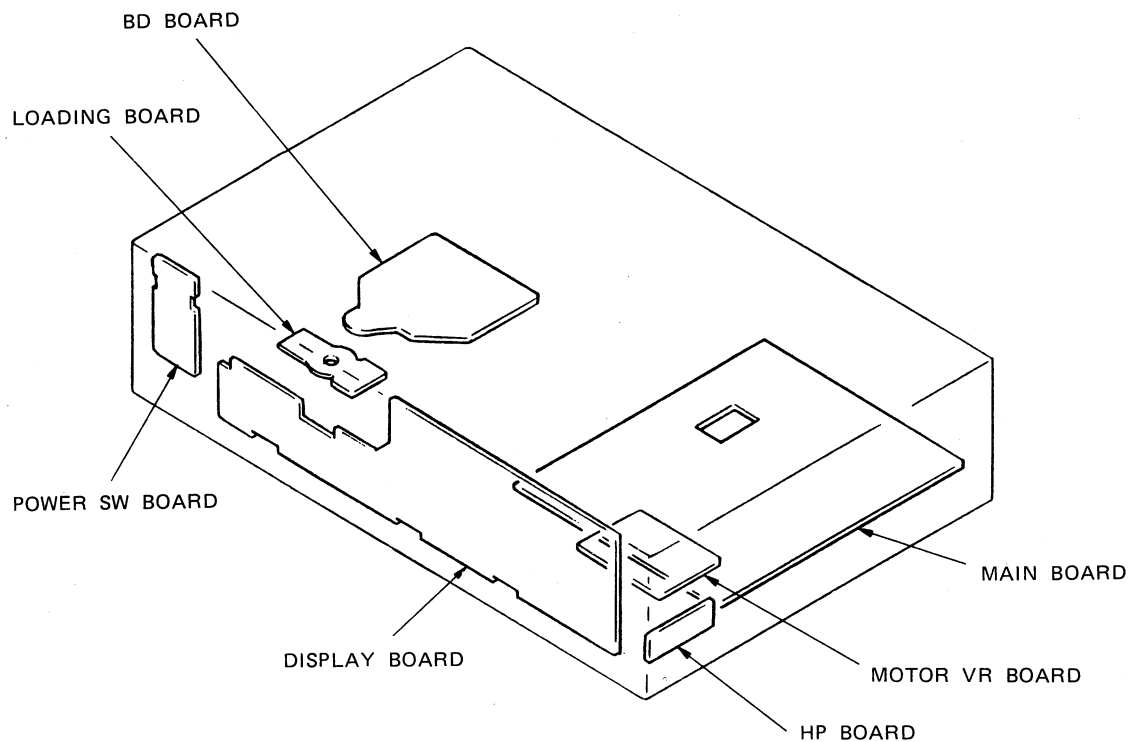
adjustment location:
[RF board]



[This board] —Component Side—

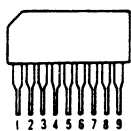


4-2. CIRCUIT BOARD LOCATION



4-3. SEMICONDUCTOR LEAD LAYOUTS

BA6208
RC4556S



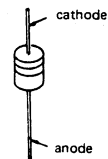
2SA473



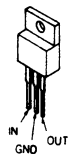
2SC3623A-LK



RD5.6ES-B2
RD7.5ES-B2
RD9.1ES-L
1N4148M
.11ES2



M5F7807



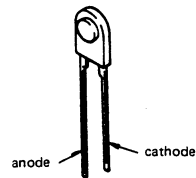
2SA933S-QR
2SC2878-AB



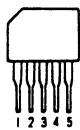
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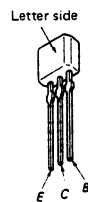
BR4361F



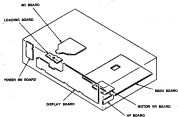
M5293L



2SA1175-HFE



4.2 CIRCUIT BOARD LOCATION

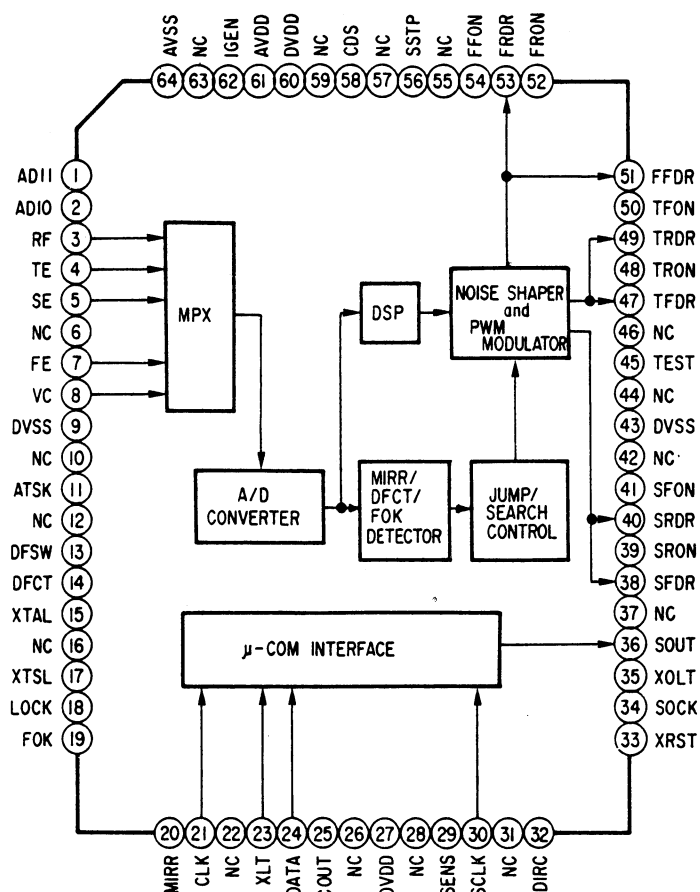


4.3 SEMICONDUCTOR LEAD LAYOUT

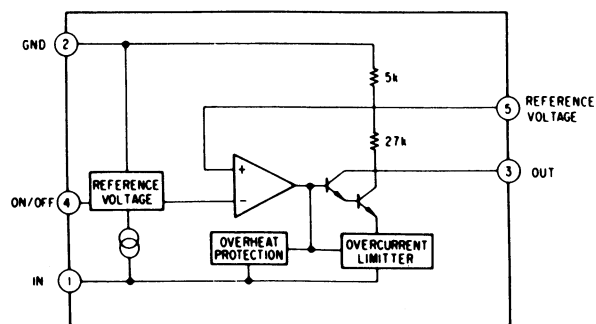


4.4. IC BLOCK DIAGRAM

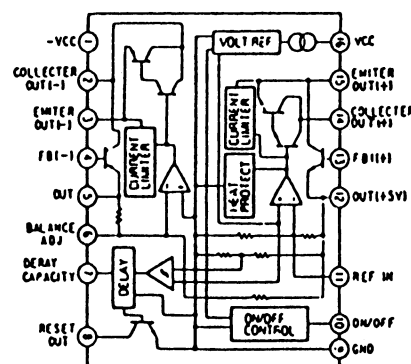
IC101 CXD2501



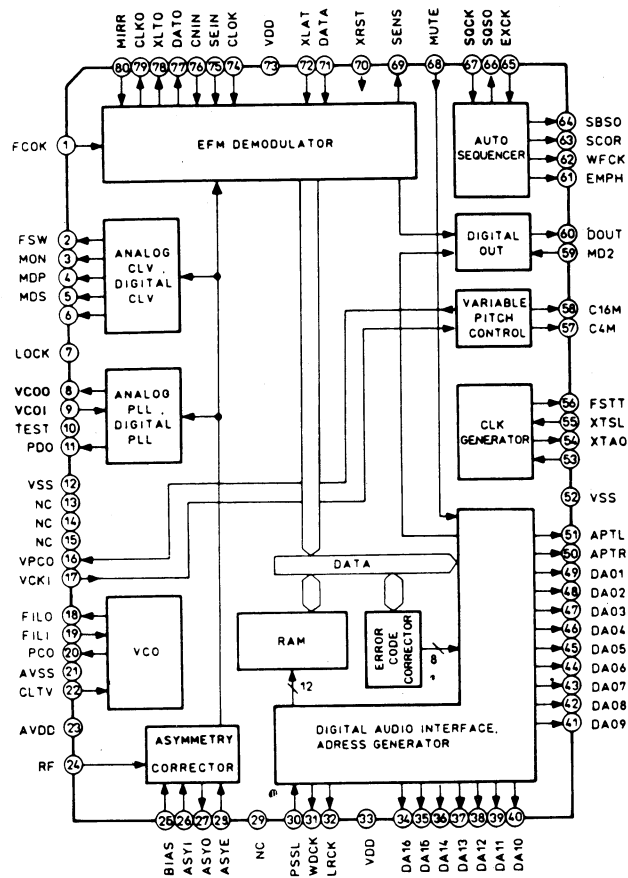
IC201 M5293L



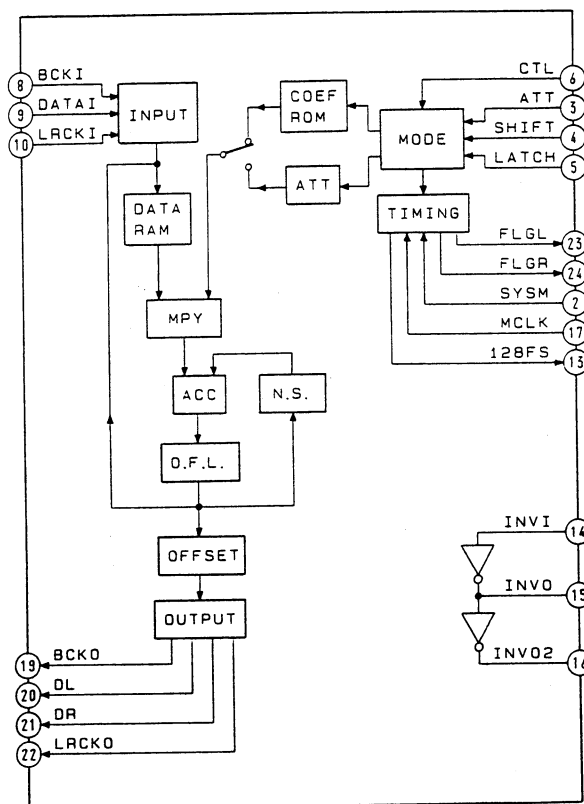
IC202 M5290P-16



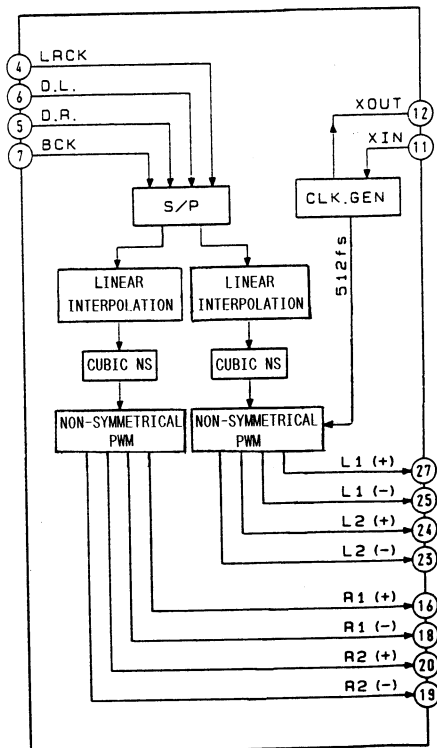
IC301 CXD2500AQ



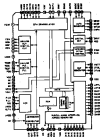
IC302 CXD2560M



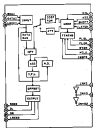
IC303 CXD2561



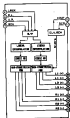
K&L C02000A0



K&L C02000B0



K&L C02000T0



SECTION 5 EXPLODED VIEWS

NOTE:

- Color Indication of Appearance Parts

Example:

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

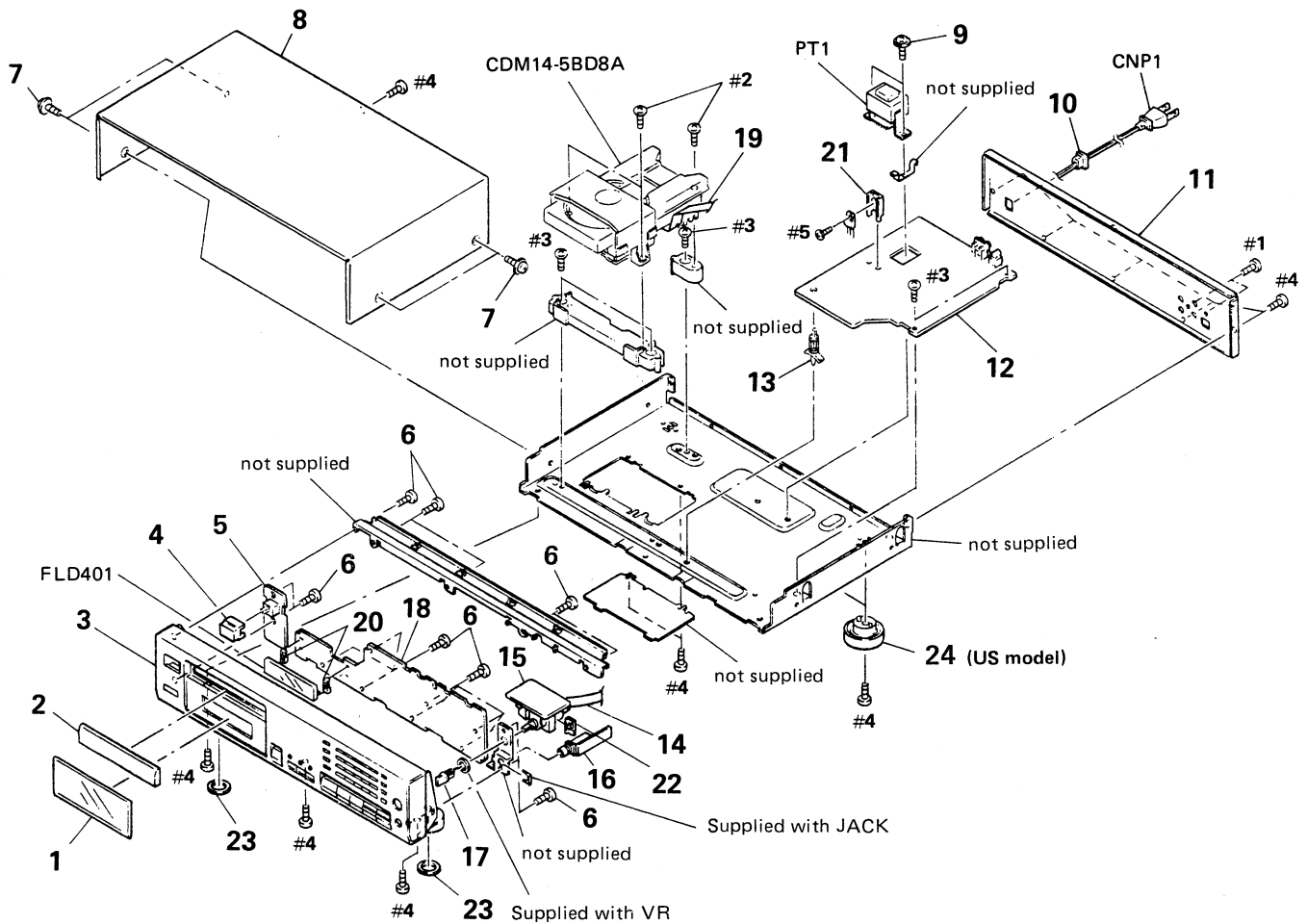
↑
Parts
color

↑
Cabinet's
color

- 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.

5-1. GENERAL SECTION



SECTION 5 EXPLODED VIEWS

NOTES:

- -001, -01 (non standard) parts, or their own part code difference from the original one.

- Order Influence of Appearance Parts

Example:

MODEL BALANCE 000/070 ... 0000

Part

code

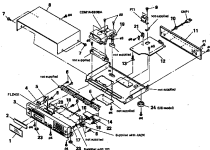
Customer's

order

- Some marked "N" are indicated that they are not required for certain models. Some items should be indicated when ordering these items.
- The mechanical parts with no reference number in the exploded view are not supplied.
- Hardware is marked for a place in the list of this part list.

The components identified by parts 1, 2 or 3 are not available for repair. They are marked for repair.

5-1. GENERAL SECTION

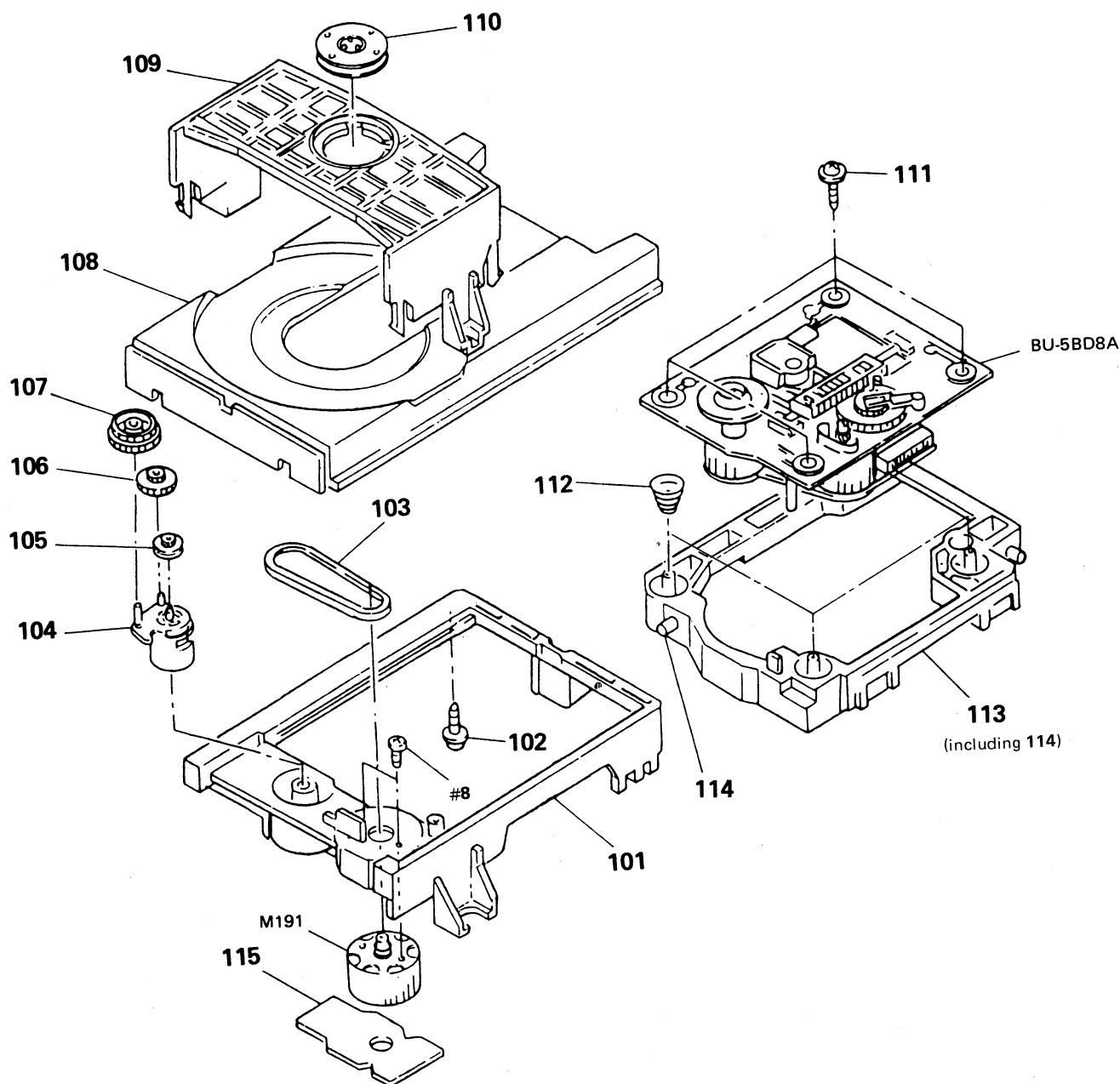


Ref. No.	Part No.	Description	Remark
1	4-947-166-01	PLATE, INDICATION	
2	4-947-167-01	PANEL, LOADING (US:BLACK)	
2	4-947-167-11	PANEL, LOADING (AEP, UK, G:BLACK)	
2	4-947-167-21	PANEL, LOADING (AEP, G:SILVER)	
3	X-4941-961-1	PANEL ASSY, FRONT (BLACK:AEP, UK, G)	
3	X-4942-161-2	PANEL ASSY, FRONT (SILVER)	
3	X-4942-162-1	PANEL ASSY, FRONT (BLACK:US)	
4	4-947-034-03	BUTTON (POWER) (BLACK)	
4	4-947-034-11	BUTTON (POWER) (SILVER)	
* 5	1-641-490-11	POWER SW BOARD	
6	4-928-635-01	SCREW, +BV (2.6X8) TAPPING	
7	3-363-099-01	SCREW (CASE +3X8 TP2) (MADE IN FRANCE:BLACK)	
7	3-363-099-11	SCREW (CASE +3X8 TP2) (MADE IN FRANCE:SILVER)	
7	3-704-366-01	SCREW (CASE) (M3X8) (MADE IN JAPAN)	
* 8	4-937-817-01	CASE (BLACK)	
* 8	4-937-817-41	CASE (SILVER)	
9	4-886-821-11	SCREW, S TIGHT, +PTTWH 3X6	
* 10	3-703-244-00	BUSHING (2104), CORD	
* 11	4-947-171-12	PANEL, BACK (MADE IN JAPAN:US)	
* 11	4-947-171-31	PANEL, BACK (MADE IN JAPAN:AEP)	
* 11	4-947-841-02	PANEL, BACK (MADE IN FRANCE)	

Ref. No.	Part No.	Description	Remark
* 12	A-4649-010-A	MAIN BOARD, COMPLETE (MADE IN FRANCE)	
* 12	A-4649-173-A	MAIN BOARD, COMPLETE (MADE IN JAPAN:AEP)	
* 12	A-4649-330-A	MAIN BOARD, COMPLETE (MADE IN JAPAN:US)	
* 13	4-924-098-01	HOLDER, PC BOARD	
14	1-690-392-11	WIRE, FLAT TYPE (13 CORE)	
* 15	1-641-489-11	MOTOR VR BOARD	
* 16	1-641-491-11	HP BOARD	
17	A-4604-901-A	KNOB (VOL) ASSY (MADE IN JAPAN)	
17	A-4604-928-A	KNOB (VOL) ASSY (MADE IN FRANCE:BLACK)	
17	A-4660-088-A	KNOB (VOL) ASSY (MADE IN FRANCE:SILVER)	
* 18	A-4617-971-A	DISPLAY BOARD, COMPLETE (MADE IN JAPAN)	
* 18	A-4649-011-A	DISPLAY BOARD, COMPLETE (MADE IN FRANCE)	
19	1-575-002-11	WIRE, FLAT TYPE (22 CORE)	
* 20	4-947-170-01	HOLDER	
* 21	4-941-237-01	HEAT SINK	
* 22	4-922-980-01	HOLDER (LED)	
23	4-923-836-11	CUSHION	
24	4-943-148-32	FOOT (F58175SW) (US)	
FLD401	1-519-681-11	INDICATOR TUBE, FLUORESCENT	
 CNP1	1-574-127-31	CORD, POWER (MADE IN FRANCE:AEP, G)	
 CNP1	1-574-390-31	CORD, POWER (MADE IN FRANCE:UK)	
 CNP1	1-575-651-21	CORD, POWER (MADE IN JAPAN:AEP)	
 CNP1	1-590-836-11	CORD, POWER (MADE IN JAPAN:US)	
 PT1	1-449-921-11	TRANSFORMER, POWER (MADE IN JAPAN:US)	
 PT1	1-449-922-11	TRANSFORMER, POWER (MADE IN JAPAN:AEP)	
 PT1	1-449-925-11	TRANSFORMER, POWER (MADE IN FRANCE)	

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

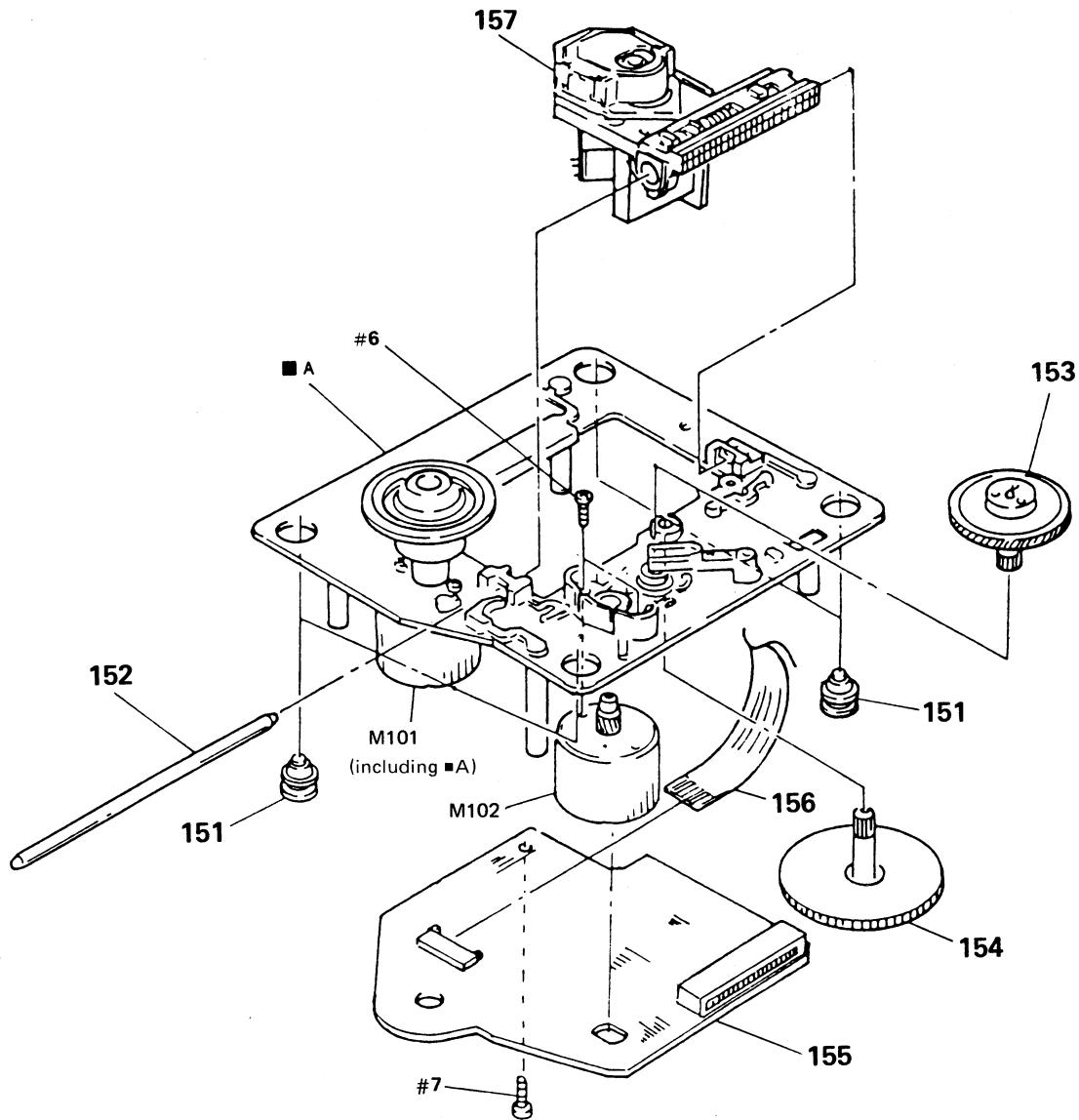
5-2. CD MECHANISM SECTION (CDM14-5BD8A)



Ref.No.	Part No.	Description	Remark
101	4-933-111-01	CHASSIS (MD)	
* 102	4-917-583-21	BRACKET, YOKE	
103	4-927-649-01	BELT	
104	4-933-109-01	CAM	
105	4-927-651-01	PULLEY (S)	
106	4-927-628-01	GEAR (C)	
107	4-933-107-01	GEAR (PL)	
108	4-933-112-01	TABLE, DISK	

Ref.No.	Part No.	Description	Remark
109	4-933-110-01	HOLDER (MG)	
* 110	1-452-538-11	MAGNET	
111	4-933-134-01	SCREW (+PTPH M2.6X6)	
112	4-948-503-01	SPRING (BU), COMPRESSION (MADE IN JAPAN)	
113	4-933-129-01	HOLDER (BU)	
114	4-933-108-01	SHAFT (CAM)	
* 115	1-632-202-11	LOADING BOARD	
M191	A-4604-363-A	MOTOR (L) ASSY	

5-3. OPTICAL PICK-UP BLOCK (BU-5BD8A)

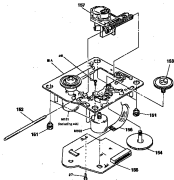


Ref. No.	Part No.	Description	Remark
151	4-933-126-01	INSULATOR (A)	
152	4-917-565-01	SHAFT, SLED	
153	4-917-567-01	GEAR (M)	
154	4-917-564-01	GEAR (P), FLATNESS	
* 155	A-4617-977-A	BD BOARD, COMPLETE (MADE IN JAPAN)	

Ref. No.	Part No.	Description	Remark
* 155	A-4617-986-A	BD BOARD, COMPLETE (MADE IN FRANCE)	
156	1-575-001-11	WIRE, FLAT TYPE (12 CORE)	
△ 157	8-848-144-11	DEVICE, OPTICAL KSS-240A	
M101	X-4917-523-3	BASE OUTSERT ASSY (SPINDLE)	
M102	X-4917-504-1	MOTOR ASSY (SLED)	

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

8.3. OPTICAL PICK-UP BLOCK (DA-4820A)



Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty
101	4-408-004-01	SCREW (2)	2	101	4-408-004-01	SCREW (2)	2
102	4-408-004-01	SCREW (2)	2	102	4-408-004-01	SCREW (2)	2
103	4-408-004-01	SCREW (2)	2	103	4-408-004-01	SCREW (2)	2
104	4-408-004-01	SCREW (2)	2	104	4-408-004-01	SCREW (2)	2
105	4-408-004-01	SCREW (2)	2	105	4-408-004-01	SCREW (2)	2

Note: The components identified by asterisk (*) are critical to the operation of the system. Please refer to the assembly manual for details.

SECTION 6 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 difference 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

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

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

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

*	A-4617-977-A	BD BOARD, COMPLETE (MADE IN JAPAN)	
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*	A-4617-986-A	BD BOARD, COMPLETE (MADE IN FRANCE)	
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< CAPACITOR >

C101	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C102	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C103	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C104	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C105	1-135-155-21	TANTALUM CHIP	4.7uF	10%	16V
C106	1-164-346-11	CERAMIC CHIP	1uF		16V
C107	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C108	1-164-346-11	CERAMIC CHIP	1uF		16V
C112	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C151	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C152	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C153	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C154	1-164-336-11	CERAMIC CHIP	0.33uF		25V
C155	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C156	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C157	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C158	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C159	1-163-023-00	CERAMIC CHIP	0.015uF	5%	50V
C160	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C181	1-163-038-00	CERAMIC CHIP	0.1uF		25V

< CONNECTOR >

CN101	1-568-796-11	SOCKET, CONNECTOR 22P
CN102	1-568-795-11	SOCKET, CONNECTOR 12P
CN103	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P

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

IC101	8-752-344-48	IC	CXD2501Q
IC102	8-759-040-80	IC	BA6297FP
IC103	8-759-040-83	IC	BA6287F

< RESISTOR >

R101	1-216-077-00	METAL CHIP	15K	5%	1/10W
R102	1-216-097-00	METAL CHIP	100K	5%	1/10W
R103	1-216-077-00	METAL CHIP	15K	5%	1/10W
R104	1-216-085-00	METAL CHIP	33K	5%	1/10W
R105	1-216-097-00	METAL CHIP	100K	5%	1/10W
R112	1-216-049-00	METAL CHIP	1K	5%	1/10W
R113	1-216-077-00	METAL CHIP	15K	5%	1/10W
R114	1-216-077-00	METAL CHIP	15K	5%	1/10W
R117	1-216-077-00	METAL CHIP	15K	5%	1/10W
R118	1-216-077-00	METAL CHIP	15K	5%	1/10W
R121	1-216-077-00	METAL CHIP	15K	5%	1/10W
R122	1-216-077-00	METAL CHIP	15K	5%	1/10W
R151	1-216-070-00	METAL CHIP	7.5K	5%	1/10W
R152	1-216-070-00	METAL CHIP	7.5K	5%	1/10W
R153	1-216-070-00	METAL CHIP	7.5K	5%	1/10W
R154	1-216-070-00	METAL CHIP	7.5K	5%	1/10W
R155	1-216-070-00	METAL CHIP	7.5K	5%	1/10W
R156	1-216-070-00	METAL CHIP	7.5K	5%	1/10W
R157	1-216-085-00	METAL CHIP	33K	5%	1/10W
R158	1-216-076-00	METAL CHIP	13K	5%	1/10W
R159	1-216-085-00	METAL CHIP	33K	5%	1/10W
R160	1-216-081-00	METAL CHIP	22K	5%	1/10W
R161	1-216-093-00	METAL CHIP	68K	5%	1/10W
R162	1-216-085-00	METAL CHIP	33K	5%	1/10W
R163	1-216-308-00	METAL CHIP	4.7	5%	1/10W

BD**DISPLAY**

Ref. No.	Part No.	Description	Remark
R181	1-216-021-00	METAL CHIP 68 5% 1/10W	
R182	1-216-021-00	METAL CHIP 68 5% 1/10W	
< SWITCH >			
S101	1-572-085-11	SWITCH, LEAF (LIMIT)	

*	A-4617-971-A	DISPLAY BOARD, COMPLETE (MADE IN JAPAN)	

*	A-4649-011-A	DISPLAY BOARD, COMPLETE (MADE IN FRANCE)	

*	4-947-170-01	HOLDER	
< CAPACITOR >			
C401	1-126-154-11	ELECT 47uF 20% 6.3V	
C402	1-161-494-00	CERAMIC 0.022uF 25V	
< CONNECTOR >			
CN401	1-535-872-11	JUMPER, FILM (WITH TERMINAL) 29P	
< DIODE >			
D401	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D401	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D402	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D402	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D403	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D403	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D404	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D404	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D405	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D405	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D406	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D406	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D407	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D407	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D408	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D408	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D409	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D409	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D410	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D410	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D411	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D411	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D412	8-719-121-24	DIODE RD9.1ES-L (MADE IN JAPAN)	
D412	8-719-921-69	DIODE MTZJ-T-77-9.1 (MADE IN FRANCE)	
< INDICATOR >			
FLD401	1-519-681-11	INDICATOR TUBE, FLUORESCENT	

Ref. No.	Part No.	Description	Remark
< IC >			
IC401	8-759-061-40	IC uPD75216ACW-C73	
< RESISTOR >			
R401	1-249-435-11	CARBON 33K 5% 1/4W	
R402	1-249-435-11	CARBON 33K 5% 1/4W	
R403	1-249-435-11	CARBON 33K 5% 1/4W	
R404	1-249-435-11	CARBON 33K 5% 1/4W	
R405	1-249-435-11	CARBON 33K 5% 1/4W	
R406	1-249-425-11	CARBON 4.7K 5% 1/4W	
R407	1-249-425-11	CARBON 4.7K 5% 1/4W	
R408	1-249-439-11	CARBON 68K 5% 1/4W	
< SWITCH >			
S401	1-554-303-21	SWITCH, TACTILE (CONTINUE)	
S402	1-554-303-21	SWITCH, TACTILE (REPEAT)	
S403	1-554-303-21	SWITCH, TACTILE	
S404	1-554-303-21	SWITCH, TACTILE	
S405	1-554-303-21	SWITCH, TACTILE (SHUFFLE)	
S406	1-554-303-21	SWITCH, TACTILE (FADER)	
S407	1-554-303-21	SWITCH, TACTILE	
S408	1-554-303-21	SWITCH, TACTILE	
S409	1-554-303-21	SWITCH, TACTILE (PROGRAM)	
S410	1-554-303-21	SWITCH, TACTILE (TIME)	
S411	1-554-303-21	SWITCH, TACTILE	
S412	1-554-303-21	SWITCH, TACTILE (OPEN/CLOSE)	
S413	1-554-303-21	SWITCH, TACTILE	
S414	1-554-303-21	SWITCH, TACTILE	
S415	1-554-303-21	SWITCH, TACTILE (EDIT/TIME FADE)	
S416	1-554-303-21	SWITCH, TACTILE (TIME SET)	
S417	1-554-303-21	SWITCH, TACTILE (PEAK SEARCH)	
S418	1-554-303-21	SWITCH, TACTILE (MUSIC SCAN)	
S419	1-554-303-21	SWITCH, TACTILE (1)	
S420	1-554-303-21	SWITCH, TACTILE (6)	
S421	1-554-303-21	SWITCH, TACTILE (11)	
S422	1-554-303-21	SWITCH, TACTILE (16)	
S423	1-554-303-21	SWITCH, TACTILE (2)	
S424	1-554-303-21	SWITCH, TACTILE (7)	
S425	1-554-303-21	SWITCH, TACTILE (12)	
S426	1-554-303-21	SWITCH, TACTILE (17)	
S427	1-554-303-21	SWITCH, TACTILE (3)	
S428	1-554-303-21	SWITCH, TACTILE (8)	
S429	1-554-303-21	SWITCH, TACTILE (13)	
S430	1-554-303-21	SWITCH, TACTILE (18)	
S431	1-554-303-21	SWITCH, TACTILE (4)	
S432	1-554-303-21	SWITCH, TACTILE (9)	
S433	1-554-303-21	SWITCH, TACTILE (14)	
S434	1-554-303-21	SWITCH, TACTILE (19)	

100 DISPLAY

Reg. No.	Part No.	Description	QTY	Unit	Price	Amount
0000	1-000-000-00	000000	00	00	0.00	0.00
0000	1-000-000-00	000000	00	00	0.00	0.00
1. 000000 0						
2. 0-000-000-00 000000, 000000, 000000						
3. 0-000-000-00 000000, 000000, 000000						
4. 0-000-000-00 000000, 000000, 000000						
5. 0-000-000-00 000000						
1. 000000 0						
2. 0-000-000-00 000000, 000000, 000000						
3. 0-000-000-00 000000						
4. 0-000-000-00 000000						
5. 0-000-000-00 000000						
6. 0-000-000-00 000000						
7. 0-000-000-00 000000						
8. 0-000-000-00 000000						
9. 0-000-000-00 000000						
10. 0-000-000-00 000000						
11. 0-000-000-00 000000						
12. 0-000-000-00 000000						
13. 0-000-000-00 000000						
14. 0-000-000-00 000000						
15. 0-000-000-00 000000						
16. 0-000-000-00 000000						
17. 0-000-000-00 000000						
18. 0-000-000-00 000000						
19. 0-000-000-00 000000						
20. 0-000-000-00 000000						
21. 0-000-000-00 000000						
22. 0-000-000-00 000000						
23. 0-000-000-00 000000						
24. 0-000-000-00 000000						
25. 0-000-000-00 000000						
26. 0-000-000-00 000000						
27. 0-000-000-00 000000						
28. 0-000-000-00 000000						
29. 0-000-000-00 000000						
30. 0-000-000-00 000000						
31. 0-000-000-00 000000						
32. 0-000-000-00 000000						
33. 0-000-000-00 000000						
34. 0-000-000-00 000000						
35. 0-000-000-00 0						

Art. No.	Part No.	Description	Unit	Price
1. 100-100-10 10 100-100-10 10				
2. 100-100-10 10 100-100-10 10				
1001	1-100-100-10	100-100-10	100	100
1002	1-100-100-10	100-100-10	100	100
1003	1-100-100-10	100-100-10	100	100
1004	1-100-100-10	100-100-10	100	100
1005	1-100-100-10	100-100-10	100	100
1006	1-100-100-10	100-100-10	100	100
1007	1-100-100-10	100-100-10	100	100
1008	1-100-100-10	100-100-10	100	100
3. 100-100-10 10 100-100-10 10				
1009	1-100-100-10	100-100-10	100	100
1010	1-100-100-10	100-100-10	100	100
1011	1-100-100-10	100-100-10	100	100
1012	1-100-100-10	100-100-10	100	100
1013	1-100-100-10	100-100-10	100	100
1014	1-100-100-10	100-100-10	100	100
1015	1-100-100-10	100-100-10	100	100
1016	1-100-100-10	100-100-10	100	100
1017	1-100-100-10	100-100-10	100	100
1018	1-100-100-10	100-100-10	100	100
1019	1-100-100-10	100-100-10	100	100
1020	1-100-100-10	100-100-10	100	100
1021	1-100-100-10	100-100-10	100	100
1022	1-100-100-10	100-100-10	100	100
1023	1-100-100-10	100-100-10	100	100
1024	1-100-100-10	100-100-10	100	100
1025	1-100-100-10	100-100-10	100	100
1026	1-100-100-10	100-100-10	100	100
1027	1-100-100-10	100-100-10	100	100
1028	1-100-100-10	100-100-10	100	100
1029	1-100-100-10	100-100-10	100	100
1030	1-100-100-10	100-100-10	100	100
1031	1-100-100-10	100-100-10	100	100
1032	1-100-100-10	100-100-10	100	100
1033	1-100-100-10	100-100-10	100	100
1034	1-100-100-10	100-100-10	100	100

DISPLAY

HP

LOADING

MAIN

Ref.No.	Part No.	Description	Remark
S435	1-554-303-21	SWITCH, TACTILE (5)	
S436	1-554-303-21	SWITCH, TACTILE (10)	
S437	1-554-303-21	SWITCH, TACTILE (15)	
S438	1-554-303-21	SWITCH, TACTILE (20)	
S439	1-554-303-21	SWITCH, TACTILE (>20)	
S440	1-554-303-21	SWITCH, TACTILE (CHECK)	
S441	1-554-303-21	SWITCH, TACTILE (CLEAR)	
S442	1-554-303-21	SWITCH, TACTILE (AUTO SPACE/AUTO CUE)	
< CRYSTAL >			
X401	1-577-358-21	VIBRATOR, CERAMIC (4MHz) (MADE IN JAPAN)	
X401	1-577-082-11	VIBRATOR, CERAMIC (4MHz) (MADE IN FRANCE)	

*	1-641-491-11	HP BOARD	*

< CAPACITOR >			
C481	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C482	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C483	1-164-159-11	CERAMIC 0.1uF 50V	
< CONNECTOR >			
* CN481	1-568-941-11	PIN, CONNECTOR 3P	
< JACK >			
J481	1-568-519-41	JACK, LARGE TYPE (PHONES)	
< RESISTOR >			
R481	1-249-402-11	CARBON 56 5% 1/4W	
R482	1-249-402-11	CARBON 56 5% 1/4W	

*	1-632-202-11	LOADING BOARD	

< CONNECTOR >			
* CN301	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P	
< SWITCH >			
S271	1-572-086-11	SWITCH, LEAF (OUT)	
S272	1-572-086-11	SWITCH, LEAF (IN)	

*	A-4649-330-A	MAIN BOARD, COMPLETE (MADE IN JAPAN:US)	

*	A-4649-010-A	MAIN BOARD, COMPLETE (MADE IN FRANCE)	

Ref.No.	Part No.	Description	Remark
*	A-4649-173-A	MAIN BOARD, COMPLETE (MADE IN JAPAN:AEP)	

*	4-941-237-01	HEAT SINK	
	7-682-547-09	SCREW +B 3X6	
< CAPACITOR >			
C201	1-124-572-11	ELECT 100uF 20% 63V	
C202	1-126-059-11	ELECT 10uF 20% 50V (MADE IN JAPAN)	
C202	1-124-907-11	ELECT 10uF 20% 50V (MADE IN FRANCE)	
C203	1-124-360-00	ELECT 1000uF 20% 16V (MADE IN JAPAN)	
C204	1-126-937-11	ELECT 4700uF 20% 16V (MADE IN JAPAN)	
C204	1-124-898-11	ELECT 4700uF 20% 16V (MADE IN FRANCE)	
C205	1-126-163-11	ELECT 4.7uF 20% 50V (MADE IN JAPAN)	
C205	1-124-927-11	ELECT 4.7uF 20% 100V (MADE IN FRANCE)	
C206	1-126-059-11	ELECT 10uF 20% 50V (MADE IN JAPAN)	
C206	1-124-907-11	ELECT 10uF 20% 50V (MADE IN FRANCE)	
C207	1-126-059-11	ELECT 10uF 20% 50V (MADE IN JAPAN)	
C207	1-124-907-11	ELECT 10uF 20% 50V (MADE IN FRANCE)	
C208	1-124-997-11	ELECT 470uF 20% 10V (MADE IN JAPAN)	
C208	1-124-472-11	ELECT 470uF 20% 10V (MADE IN FRANCE)	
C209	1-124-997-11	ELECT 470uF 20% 10V (MADE IN JAPAN)	
C209	1-124-472-11	ELECT 470uF 20% 10V (MADE IN FRANCE)	
C211	1-124-997-11	ELECT 470uF 20% 10V (MADE IN JAPAN)	
C211	1-124-472-11	ELECT 470uF 20% 10V (MADE IN FRANCE)	
C212	1-124-997-11	ELECT 470uF 20% 10V (MADE IN JAPAN)	
C212	1-124-472-11	ELECT 470uF 20% 10V (MADE IN FRANCE)	
C213	1-130-487-00	MYLAR 0.022uF 5% 50V	
C214	1-126-023-11	ELECT 100uF 20% 16V (MADE IN JAPAN)	
C214	1-126-101-11	ELECT 100uF 20% 16V (MADE IN FRANCE)	
C221	1-164-159-11	CERAMIC 0.1uF 50V	
C301	1-126-022-11	ELECT 47uF 20% 16V (MADE IN JAPAN)	
C301	1-124-477-11	ELECT 47uF 20% 25V (MADE IN FRANCE)	
C302	1-126-301-11	ELECT 1uF 20% 50V (MADE IN JAPAN)	
C302	1-124-903-11	ELECT 1uF 20% 50V (MADE IN FRANCE)	
C303	1-164-159-11	CERAMIC 0.1uF 50V	
C304	1-164-159-11	CERAMIC 0.1uF 50V	
C305	1-126-022-11	ELECT 47uF 20% 16V (MADE IN JAPAN)	
C305	1-124-477-11	ELECT 47uF 20% 25V (MADE IN FRANCE)	
C306	1-164-159-11	CERAMIC 0.1uF 50V	
C307	1-164-159-11	CERAMIC 0.1uF 50V	
C308	1-164-159-11	CERAMIC 0.1uF 50V	
C309	1-164-159-11	CERAMIC 0.1uF 50V	
C311	1-130-491-00	MYLAR 0.047uF 5% 50V	
C312	1-161-374-11	CERAMIC 0.0015uF 20% 50V	
C313	1-161-494-00	CERAMIC 0.022uF 25V	
C314	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C315	1-126-300-11	ELECT 0.47uF 20% 50V (MADE IN JAPAN)	
C315	1-124-902-00	ELECT 0.47uF 20% 50V (MADE IN FRANCE)	
C316	1-161-494-00	CERAMIC 0.022uF 25V	

MAIN

Ref. No.	Part No.	Description	Remark
C317	1-164-159-11	CERAMIC 0.1uF	50V
C319	1-162-282-31	CERAMIC 100PF 10%	50V
C320	1-130-483-00	MYLAR 0.01uF 5%	50V
C321	1-162-208-31	CERAMIC 24PF 5%	50V
C322	1-126-022-11	ELECT 47uF 20% 16V (MADE IN JAPAN)	
C322	1-124-477-11	ELECT 47uF 20% 25V (MADE IN FRANCE)	
C323	1-164-159-11	CERAMIC 0.1uF	50V
C324	1-164-159-11	CERAMIC 0.1uF	50V
C325	1-162-205-31	CERAMIC 18PF 5%	50V
C326	1-162-205-31	CERAMIC 18PF 5%	50V
C327	1-161-494-00	CERAMIC 0.022uF	25V
C328	1-126-059-11	ELECT 10uF 20% 50V (MADE IN JAPAN)	
C328	1-124-907-11	ELECT 10uF 20% 50V (MADE IN FRANCE)	
C329	1-126-022-11	ELECT 47uF 20% 16V (MADE IN JAPAN)	
C329	1-124-477-11	ELECT 47uF 20% 25V (MADE IN FRANCE)	
C331	1-161-494-00	CERAMIC 0.022uF	25V
C332	1-164-159-11	CERAMIC 0.1uF	50V
C333	1-162-294-31	CERAMIC 0.001uF 10%	50V
C351	1-126-022-11	ELECT 47uF 20% 16V (MADE IN JAPAN)	
C351	1-124-477-11	ELECT 47uF 20% 25V (MADE IN FRANCE)	
C352	1-164-159-11	CERAMIC 0.1uF	50V
C353	1-126-022-11	ELECT 47uF 20% 16V (MADE IN JAPAN)	
C353	1-124-477-11	ELECT 47uF 20% 25V (MADE IN FRANCE)	
C354	1-161-494-00	CERAMIC 0.022uF	25V
C355	1-126-022-11	ELECT 47uF 20% 16V (MADE IN JAPAN)	
C355	1-124-477-11	ELECT 47uF 20% 25V (MADE IN FRANCE)	
C356	1-164-159-11	CERAMIC 0.1uF	50V
C357	1-130-495-00	MYLAR 0.1uF 5%	50V
C358	1-130-495-00	MYLAR 0.1uF 5%	50V
C361	1-162-280-21	CERAMIC 82PF 10%	50V
C362	1-162-280-21	CERAMIC 82PF 10%	50V
C363	1-162-213-21	CERAMIC 39PF 10%	50V
C364	1-162-213-21	CERAMIC 39PF 10%	50V
C365	1-162-213-21	CERAMIC 39PF 10%	50V
C366	1-162-213-21	CERAMIC 39PF 10%	50V
C367	1-161-494-00	CERAMIC 0.022uF	25V
C368	1-161-494-00	CERAMIC 0.022uF	25V
C371	1-130-479-00	MYLAR 0.0047uF 5%	50V
C372	1-130-479-00	MYLAR 0.0047uF 5%	50V
C373	1-130-472-00	MYLAR 0.0012uF 5%	50V
C374	1-130-472-00	MYLAR 0.0012uF 5%	50V
C377	1-126-022-11	ELECT 47uF 20% 16V (MADE IN JAPAN)	
C377	1-124-477-11	ELECT 47uF 20% 25V (MADE IN FRANCE)	
C378	1-126-022-11	ELECT 47uF 20% 16V (MADE IN JAPAN)	
C378	1-124-477-11	ELECT 47uF 20% 25V (MADE IN FRANCE)	
C379	1-130-473-00	MYLAR 0.0015uF 5%	50V
C380	1-130-473-00	MYLAR 0.0015uF 5%	50V
C391	1-162-286-31	CERAMIC 220PF 10%	50V (US)

Ref. No.	Part No.	Description	Remark
C392	1-164-159-11	CERAMIC 0.1uF	50V (US)
C393	1-164-159-11	CERAMIC 0.1uF	50V (US)
C394	1-164-159-11	CERAMIC 0.1uF	50V (US)

< CONNECTOR >

* CN201	1-580-230-11	PIN, CONNECTOR (PC BOARD) 3P
* CN301	1-568-822-11	SOCKET, CONNECTOR 22P
* CN302	1-568-844-11	SOCKET, CONNECTOR 29P
* CN381	1-568-832-11	SOCKET, CONNECTOR 13P

< DIODE >

D201	8-719-200-82	DIODE 11ES2
D202	8-719-110-03	DIODE RD7.5ES-B2 (MADE IN JAPAN)
D202	8-719-923-49	DIODE MTZJ-T-77-7.5 (MADE IN FRANCE)
D203	8-719-200-82	DIODE 11ES2
D204	8-719-200-82	DIODE 11ES2
D205	8-719-200-82	DIODE 11ES2
D206	8-719-200-82	DIODE 11ES2
D208	8-719-109-89	DIODE RD5.6ES-B2
D209	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)
D209	8-719-987-06	DIODE WG713A (MADE IN FRANCE)
D328	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)
D328	8-719-987-06	DIODE WG713A (MADE IN FRANCE)
D344	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)
D344	8-719-987-06	DIODE WG713A (MADE IN FRANCE)

< IC >

IC201	8-759-633-42	IC M5293L
IC202	8-759-630-21	IC M5290P-16
IC203	8-759-945-58	IC RC4558P
IC204	8-759-604-86	IC M5F7807
IC301	8-752-337-26	IC CXD2500AQ
IC302	8-752-342-65	IC CXD2560M
IC303	8-752-349-01	IC CXD2561AM
IC306	8-759-503-91	IC TL082ACP
IC307	8-759-945-58	IC RC4558P
IC391	8-749-921-20	IC T-1550 (US)

< JACK >

* J381	1-569-443-11	JACK, PIN 4P (LINE OUT)
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< COIL >

L305	1-408-403-00	INDUCTOR 3.3uH (US)
L306	1-408-403-00	INDUCTOR 3.3uH
L321	1-408-403-00	INDUCTOR 3.3uH

< TRANSISTOR >

Q201	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q202	8-729-140-96	TRANSISTOR 2SD774-34
Q203	8-729-141-83	TRANSISTOR 2SB1094-LK

WZL

Ref. No.	Part No.	Short Description	QTY	UNIT	PRICE	AMOUNT
1001	1-100-100-11	1-100-100-11	1.00	EA	100.00	100.00
1002	1-100-100-12	1-100-100-12	1.00	EA	100.00	100.00
1003	1-100-100-13	1-100-100-13	1.00	EA	100.00	100.00
1004	1-100-100-14	1-100-100-14	1.00	EA	100.00	100.00
1005	1-100-100-15	1-100-100-15	1.00	EA	100.00	100.00
1006	1-100-100-16	1-100-100-16	1.00	EA	100.00	100.00
1007	1-100-100-17	1-100-100-17	1.00	EA	100.00	100.00
1008	1-100-100-18	1-100-100-18	1.00	EA	100.00	100.00
1009	1-100-100-19	1-100-100-19	1.00	EA	100.00	100.00
1010	1-100-100-20	1-100-100-20	1.00	EA	100.00	100.00
1011	1-100-100-21	1-100-100-21	1.00	EA	100.00	100.00
1012	1-100-100-22	1-100-100-22	1.00	EA	100.00	100.00
1013	1-100-100-23	1-100-100-23	1.00	EA	100.00	100.00
1014	1-100-100-24	1-100-100-24	1.00	EA	100.00	100.00
1015	1-100-100-25	1-100-100-25	1.00	EA	100.00	100.00
1016	1-100-100-26	1-100-100-26	1.00	EA	100.00	100.00
1017	1-100-100-27	1-100-100-27	1.00	EA	100.00	100.00
1018	1-100-100-28	1-100-100-28	1.00	EA	100.00	100.00
1019	1-100-100-29	1-100-100-29	1.00	EA	100.00	100.00
1020	1-100-100-30	1-100-100-30	1.00	EA	100.00	100.00
1021	1-100-100-31	1-100-100-31	1.00	EA	100.00	100.00
1022	1-100-100-32	1-100-100-32	1.00	EA	100.00	100.00
1023	1-100-100-33	1-100-100-33	1.00	EA	100.00	100.00
1024	1-100-100-34	1-100-100-34	1.00	EA	100.00	100.00
1025	1-100-100-35	1-100-100-35	1.00	EA	100.00	100.00
1026	1-100-100-36	1-100-100-36	1.00	EA	100.00	100.00
1027	1-100-100-37	1-100-100-37	1.00	EA	100.00	100.00
1028	1-100-100-38	1-100-100-38	1.00	EA	100.00	100.00
1029	1-100-100-39	1-100-100-39	1.00	EA	100.00	100.00
1030	1-100-100-40	1-100-100-40	1.00	EA	100.00	100.00
1031	1-100-100-41	1-100-100-41	1.00	EA	100.00	100.00
1032	1-100-100-42	1-100-100-42	1.00	EA	100.00	100.00
1033	1-100-100-43	1-100-100-43	1.00	EA	100.00	100.00
1034	1-100-100-44	1-100-100-44	1.00	EA	100.00	100.00
1035	1-100-100-45	1-100-100-45	1.00	EA	100.00	100.00
1036	1-100-100-46	1-100-100-46	1.00	EA	100.00	100.00
1037	1-100-100-47	1-100-100-47	1.00	EA	100.00	100.00
1038	1-100-100-48	1-100-100-48	1.00	EA	100.00	100.00
1039	1-100-100-49	1-100-100-49	1.00	EA	100.00	100.00
1040	1-100-100-50	1-100-100-50	1.00	EA	100.00	100.00

Ref. No.	Acct. No.	Owner's Name	Amount
12345	1-100-100-01	JOHNSON, J. L.	\$100.00
12346	1-100-100-02	JOHNSON, J. L.	\$100.00
12347	1-100-100-03	JOHNSON, J. L.	\$100.00
+ 12348-100-04			
12348	1-100-100-04	JOHNSON, J. L.	\$100.00
12349	1-100-100-05	JOHNSON, J. L.	\$100.00
12350	1-100-100-06	JOHNSON, J. L.	\$100.00
12351	1-100-100-07	JOHNSON, J. L.	\$100.00
12352	1-100-100-08	JOHNSON, J. L.	\$100.00
12353	1-100-100-09	JOHNSON, J. L.	\$100.00
12354	1-100-100-10	JOHNSON, J. L.	\$100.00
12355	1-100-100-11	JOHNSON, J. L.	\$100.00
12356	1-100-100-12	JOHNSON, J. L.	\$100.00
12357	1-100-100-13	JOHNSON, J. L.	\$100.00
12358	1-100-100-14	JOHNSON, J. L.	\$100.00
12359	1-100-100-15	JOHNSON, J. L.	\$100.00
12360	1-100-100-16	JOHNSON, J. L.	\$100.00
12361	1-100-100-17	JOHNSON, J. L.	\$100.00
12362	1-100-100-18	JOHNSON, J. L.	\$100.00
12363	1-100-100-19	JOHNSON, J. L.	\$100.00
12364	1-100-100-20	JOHNSON, J. L.	\$100.00
12365	1-100-100-21	JOHNSON, J. L.	\$100.00
12366	1-100-100-22	JOHNSON, J. L.	\$100.00
12367	1-100-100-23	JOHNSON, J. L.	\$100.00
12368	1-100-100-24	JOHNSON, J. L.	\$100.00
12369	1-100-100-25	JOHNSON, J. L.	\$100.00
12370	1-100-100-26	JOHNSON, J. L.	\$100.00
12371	1-100-100-27	JOHNSON, J. L.	\$100.00
12372	1-100-100-28	JOHNSON, J. L.	\$100.00
12373	1-100-100-29	JOHNSON, J. L.	\$100.00
12374	1-100-100-30	JOHNSON, J. L.	\$100.00
12375	1-100-100-31	JOHNSON, J. L.	\$100.00
12376	1-100-100-32	JOHNSON, J. L.	\$100.00
12377	1-100-100-33	JOHNSON, J. L.	\$100.00
12378	1-100-100-34	JOHNSON, J. L.	\$100.00
12379	1-100-100-35	JOHNSON, J. L.	\$100.00
12380	1-100-100-36	JOHNSON, J. L.	\$100.00
12381	1-100-100-37	JOHNSON, J. L.	\$100.00
12382	1-100-100-38	JOHNSON, J. L.	\$100.00
12383	1-100-100-39	JOHNSON, J. L.	\$100.00
12384	1-100-100-40	JOHNSON, J. L.	\$100.00
12385	1-100-100-41	JOHNSON, J. L.	\$100.00
12386	1-100-100-42	JOHNSON, J. L.	\$100.00
12387	1-100-100-43	JOHNSON, J. L.	\$100.00
12388	1-100-100-44	JOHNSON, J. L.	\$100.00
12389	1-100-100-45	JOHNSON, J. L.	\$100.00
12390	1-100-100-46	JOHNSON, J. L.	\$100.00
12391	1-100-100-47	JOHNSON, J. L.	\$100.00
12392	1-100-100-48	JOHNSON, J. L.	\$100.00
12393	1-100-100-49	JOHNSON, J. L.	\$100.00
12394	1-100-100-50	JOHNSON, J. L.	\$100.00
12395	1-100-100-51	JOHNSON, J. L.	\$100.00
12396	1-100-100-52	JOHNSON, J. L.	\$100.00
12397	1-100-100-53	JOHNSON, J. L.	\$100.00
12398	1-100-100-54	JOHNSON, J. L.	\$100.00
12399	1-100-100-55	JOHNSON, J. L.	\$100.00
12400	1-100-100-56	JOHNSON, J. L.	\$100.00
12401	1-100-100-57	JOHNSON, J. L.	\$100.00
12402	1-100-100-58	JOHNSON, J. L.	\$100.00
12403	1-100-100-59	JOHNSON, J. L.	\$100.00
12404	1-100-100-60	JOHNSON, J. L.	\$100.00
12405	1-100-100-61	JOHNSON, J. L.	\$100.00
12406	1-100-100-62	JOHNSON, J. L.	\$100.00
12407	1-100-100-63	JOHNSON, J. L.	\$100.00
12408	1-100-100-64	JOHNSON, J. L.	\$100.00
12409	1-100-100-65	JOHNSON, J. L.	\$100.00
12410	1-100-100-66	JOHNSON, J. L.	\$100.00
12411	1-100-100-67	JOHNSON, J. L.	\$100.00
12412	1-100-100-68	JOHNSON, J. L.	\$100.00
12413	1-100-100-69	JOHNSON, J. L.	\$100.00
12414	1-100-100-70	JOHNSON, J. L.	\$100.00

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q204	8-729-900-65	TRANSISTOR	DTA144ES	R324	1-249-417-11	CARBON 1K 5% 1/4W	
Q205	8-729-900-89	TRANSISTOR	DTC144ES	R325	1-249-417-11	CARBON 1K 5% 1/4W	
Q206	8-729-900-89	TRANSISTOR	DTC144ES	R326	1-249-417-11	CARBON 1K 5% 1/4W	
Q209	8-729-281-52	TRANSISTOR	2SC1815-Y	R327	1-247-903-00	CARBON 1M 5% 1/4W	
Q341	8-729-900-65	TRANSISTOR	DTA144ES	R328	1-249-429-11	CARBON 10K 5% 1/4W	
Q342	8-729-900-65	TRANSISTOR	DTA144ES	R331	1-249-429-11	CARBON 10K 5% 1/4W	
Q343	8-729-900-65	TRANSISTOR	DTA144ES	R332	1-249-429-11	CARBON 10K 5% 1/4W	
Q344	8-729-900-89	TRANSISTOR	DTC144ES	R333	1-249-429-11	CARBON 10K 5% 1/4W	
Q371	8-729-141-30	TRANSISTOR	2SC3623A-LK	R334	1-249-429-11	CARBON 10K 5% 1/4W	
Q372	8-729-141-30	TRANSISTOR	2SC3623A-LK	R343	1-249-441-11	CARBON 100K 5% 1/4W	
Q373	8-729-141-30	TRANSISTOR	2SC3623A-LK	R344	1-249-441-11	CARBON 100K 5% 1/4W	
Q374	8-729-141-30	TRANSISTOR	2SC3623A-LK	R345	1-249-425-11	CARBON 4.7K 5% 1/4W	
Q375	8-729-231-55	TRANSISTOR	2SC2878-AB	R346	1-249-425-11	CARBON 4.7K 5% 1/4W	
Q376	8-729-231-55	TRANSISTOR	2SC2878-AB	R347	1-249-441-11	CARBON 100K 5% 1/4W	
Q393	8-729-119-76	TRANSISTOR	2SA1175-HFE (US)	R348	1-249-429-11	CARBON 10K 5% 1/4W	
< RESISTOR >				R351	1-247-869-11	CARBON 39K 5% 1/4W	
R201	1-249-435-11	CARBON 33K 5% 1/4W		R352	1-247-869-11	CARBON 39K 5% 1/4W	
R202	1-249-438-11	CARBON 56K 5% 1/4W		R353	1-247-869-11	CARBON 39K 5% 1/4W	
R203	1-249-429-11	CARBON 10K 5% 1/4W		R354	1-247-869-11	CARBON 39K 5% 1/4W	
R204	1-249-425-11	CARBON 4.7K 5% 1/4W		R355	1-247-869-11	CARBON 39K 5% 1/4W	
R205	1-249-425-11	CARBON 4.7K 5% 1/4W		R356	1-247-869-11	CARBON 39K 5% 1/4W	
R208	1-249-423-11	CARBON 3.3K 5% 1/4W		R357	1-247-869-11	CARBON 39K 5% 1/4W	
R209	1-249-413-11	CARBON 470 5% 1/4W		R358	1-247-869-11	CARBON 39K 5% 1/4W	
R210	1-249-429-11	CARBON 10K 5% 1/4W		R361	1-247-859-11	CARBON 15K 5% 1/4W	
R211	1-249-410-11	CARBON 270 5% 1/4W		R362	1-247-859-11	CARBON 15K 5% 1/4W	
R213	1-249-417-11	CARBON 1K 5% 1/4W		R363	1-247-859-11	CARBON 15K 5% 1/4W	
R214	1-249-417-11	CARBON 1K 5% 1/4W		R364	1-247-859-11	CARBON 15K 5% 1/4W	
R301	1-249-417-11	CARBON 1K 5% 1/4W		R365	1-247-873-11	CARBON 56K 5% 1/4W	
R302	1-249-417-11	CARBON 1K 5% 1/4W		R366	1-247-873-11	CARBON 56K 5% 1/4W	
R303	1-249-421-11	CARBON 2.2K 5% 1/4W		R367	1-247-873-11	CARBON 56K 5% 1/4W	
R304	1-249-417-11	CARBON 1K 5% 1/4W		R368	1-247-873-11	CARBON 56K 5% 1/4W	
R305	1-249-411-11	CARBON 330 5% 1/4W (US)		R369	1-249-419-11	CARBON 1.5K 5% 1/4W	
R306	1-249-413-11	CARBON 470 5% 1/4W		R370	1-249-419-11	CARBON 1.5K 5% 1/4W	
R309	1-249-405-11	CARBON 100 5% 1/4W		R371	1-249-419-11	CARBON 1.5K 5% 1/4W	
R311	1-249-423-11	CARBON 3.3K 5% 1/4W		R372	1-249-419-11	CARBON 1.5K 5% 1/4W	
R312	1-249-429-11	CARBON 10K 5% 1/4W		R373	1-247-887-00	CARBON 220K 5% 1/4W	
R313	1-249-423-11	CARBON 3.3K 5% 1/4W		R374	1-247-887-00	CARBON 220K 5% 1/4W	
R314	1-249-429-11	CARBON 10K 5% 1/4W		R375	1-249-409-11	CARBON 220 5% 1/4W	
R315	1-249-417-11	CARBON 1K 5% 1/4W		R376	1-249-409-11	CARBON 220 5% 1/4W	
R316	1-249-417-11	CARBON 1K 5% 1/4W		R377	1-249-409-11	CARBON 220 5% 1/4W	
R317	1-249-419-11	CARBON 1.5K 5% 1/4W		R378	1-249-409-11	CARBON 220 5% 1/4W	
R318	1-249-441-11	CARBON 100K 5% 1/4W		R379	1-249-425-11	CARBON 4.7K 5% 1/4W	
R319	1-247-903-00	CARBON 1M 5% 1/4W		R380	1-249-425-11	CARBON 4.7K 5% 1/4W	
R320	1-249-417-11	CARBON 1K 5% 1/4W		R381	1-249-425-11	CARBON 4.7K 5% 1/4W	
R321	1-249-417-11	CARBON 1K 5% 1/4W		R382	1-249-425-11	CARBON 4.7K 5% 1/4W	
R322	1-249-417-11	CARBON 1K 5% 1/4W		R383	1-249-413-11	CARBON 470 5% 1/4W	
R323	1-249-417-11	CARBON 1K 5% 1/4W		R384	1-249-413-11	CARBON 470 5% 1/4W	
				R385	1-249-393-11	CARBON 10 5% 1/4W	
				R386	1-249-393-11	CARBON 10 5% 1/4W	

Ref. No.	Page No.	Description	Index
0000	0-100-000-000	Blank	0000-000
0001	0-100-000-001	Blank	0001-000
0002	0-100-000-002	Blank	0002-000
0003	0-100-000-003	Blank	0003-000
0004	0-100-000-004	Blank	0004-000
0005	0-100-000-005	Blank	0005-000
0006	0-100-000-006	Blank	0006-000
0007	0-100-000-007	Blank	0007-000
0008	0-100-000-008	Blank	0008-000
0009	0-100-000-009	Blank	0009-000
0010	0-100-000-010	Blank	0010-000
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0017	0-100-000-017	Blank	0017-000
0018	0-100-000-018	Blank	0018-000
0019	0-100-000-019	Blank	0019-000
0020	0-100-000-020	Blank	0020-000

[illegible][illegible]

MAIN

MOTOR VR

POWER SW

Ref. No.	Part No.	Description	Remark
R389	1-249-413-11	CARBON 470 5% 1/4W	
R390	1-249-413-11	CARBON 470 5% 1/4W	
R392	1-249-405-11	CARBON 100 5% 1/4W (US)	
R393	1-249-406-11	CARBON 120 5% 1/4W (US)	
R394	1-249-435-11	CARBON 33K 5% 1/4W (US)	
< CRYSTAL >			
X327	1-579-314-11	VIBRATOR, CRYSTAL (22.5MHz)	

*	1-641-489-11	MOTOR VR BOARD	

*	4-922-980-01	HOLDER (LED)	
< CAPACITOR >			
C451	1-124-994-11	ELECT 100uF 20% 10V (MADE IN JAPAN)	
C451	1-124-443-00	ELECT 100uF 20% 10V (MADE IN FRANCE)	
C452	1-124-994-11	ELECT 100uF 20% 10V (MADE IN JAPAN)	
C452	1-124-443-00	ELECT 100uF 20% 10V (MADE IN FRANCE)	
C471	1-124-994-11	ELECT 100uF 20% 10V (MADE IN JAPAN)	
C471	1-124-443-00	ELECT 100uF 20% 10V (MADE IN FRANCE)	
C472	1-124-277-11	ELECT 4.7uF 20% 35V	
< CONNECTOR >			
* CN451	1-568-832-11	SOCKET, CONNECTOR 13P	
* CN472	1-568-941-11	PIN, CONNECTOR 3P	
< DIODE >			
D471	8-719-970-49	DIODE BR4361F	
< IC >			
IC451	8-759-981-89	IC RC4556S	
IC471	8-759-962-08	IC BA6208	
< RESISTOR >			
R451	1-249-435-11	CARBON 33K 5% 1/4W	
R452	1-249-435-11	CARBON 33K 5% 1/4W	
R453	1-249-432-11	CARBON 18K 5% 1/4W	
R454	1-249-432-11	CARBON 18K 5% 1/4W	
R455	1-249-422-11	CARBON 2.7K 5% 1/4W	
R456	1-249-422-11	CARBON 2.7K 5% 1/4W	
R457	1-249-429-11	CARBON 10K 5% 1/4W	
R458	1-249-429-11	CARBON 10K 5% 1/4W	
R461	1-249-399-11	CARBON 33 5% 1/4W	
R462	1-249-399-11	CARBON 33 5% 1/4W	
R471	1-249-411-11	CARBON 330 5% 1/4W	
R472	1-249-417-11	CARBON 1K 5% 1/4W	
R473	1-249-417-11	CARBON 1K 5% 1/4W	

Ref. No.	Part No.	Description	Remark
< VARIABLE RESISTOR >			
RV451	1-238-974-11	RES, VAR, CARBON 10K/10K (LINE OUT/PHONE LEVEL)	

*	1-641-490-11	POWER SW BOARD	

< CAPACITOR >			
C403	1-161-494-00	CERAMIC 0.022uF	25V
< CONNECTOR >			
* CN404	1-568-955-11	PIN, CONNECTOR 6P	
< IC >			
IC402	8-749-922-36	IC GPIU50XB	
< SWITCH >			
S491	1-554-118-00	SWITCH, PUSH (1 KEY) (POWER)	

MISCELLANEOUS			

* 110	1-452-538-11	MAGNET	
14	1-690-392-11	WIRE, FLAT TYPE (13 CORE)	
156	1-575-001-11	WIRE, FLAT TYPE (12 CORE)	
157	8-848-144-11	DEVICE, OPTICAL KSS-240A	
19	1-575-002-11	WIRE, FLAT TYPE (22 CORE)	
△ CNP1	1-574-127-31	CORD, POWER (MADE IN FRANCE:AEP,G)	
△ CNP1	1-574-390-31	CORD, POWER (MADE IN FRANCE:UK)	
△ CNP1	1-575-651-21	CORD, POWER (MADE IN JAPAN:AEP)	
△ CNP1	1-590-836-11	CORD, POWER (MADE IN JAPAN:US)	
M101	X-4917-523-3	BASE OUTSERT ASSY (SPINDLE)	
M102	X-4917-504-1	MOTOR ASSY (SLED)	
M191	A-4604-363-A	MOTOR (L) ASSY	
△ PT1	1-449-921-11	TRANSFORMER, POWER (MADE IN JAPAN:US)	
△ PT1	1-449-922-11	TRANSFORMER, POWER (MADE IN JAPAN:AEP)	
△ PT1	1-449-925-11	TRANSFORMER, POWER (MADE IN FRANCE)	

ACCESSORIES & PACKING MATERIALS			

1-465-867-11 REMOTE COMMANDER (RM-D597)			
1-558-271-11 CORD, CONNECTION (MADE IN FRANCE)			
1-559-533-11 CORD, CONNECTION (MADE IN JAPAN)			
2-181-754-01 COVER, BATTERY			

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

Ref. No.	Part No.	Description	Remark
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	3-753-907-11	MANUAL, INSTRUCTION (MADE IN JAPAN:AEP) (ENGLISH, FRENCH, SPANISH, PORTUGUESE)	
	3-753-907-21	MANUAL, INSTRUCTION (MADE IN JAPAN:US) (ENGLISH)	
	3-753-907-41	MANUAL, INSTRUCTION (MADE IN JAPAN:AEP) (GERMAN, DUTCH, SWEDISH, ITALIAN)	
	3-753-907-51	MANUAL, INSTRUCTION (MADE IN FRANCE:AEP, UK) (ENGLISH, FRENCH, SPANISH, PORTUGUESE)	
	3-753-907-61	MANUAL, INSTRUCTION (MADE IN FRANCE:AEP) (GERMAN, DUTCH, SWEDISH, ITALIAN)	
	3-753-907-81	MANUAL, INSTRUCTION (MADE IN FRANCE:G) (GERMAN)	
*	4-941-548-01	LABEL, CLASS 1 (EXCEPT US)	
*	4-941-925-01	CUSHION	
*	4-948-308-11	INDIVIDUAL CARTON (MADE IN JAPAN)	
*	4-948-881-02	INDIVIDUAL CARTON (MADE IN FRANCE)	

HARDWARE LIST

#1	7-685-646-79	SCREW +BVTP	3X8	TYPE2 N-S
#2	7-685-647-79	SCREW +BVTP	3X10	TYPE2 N-S
#3	7-682-548-04	SCREW +BVTT	3X8	(S)
#4	7-682-548-09	SCREW +BVTT	3X8	(S)
#5	7-682-547-09	SCREW +B	3X6	
#6	7-621-255-15	SCREW +P	2X3	
#7	7-685-134-19	SCREW +BTP	2.6X8	TYPE2 N-S
#8	7-621-775-10	SCREW +B	2.6X4	

