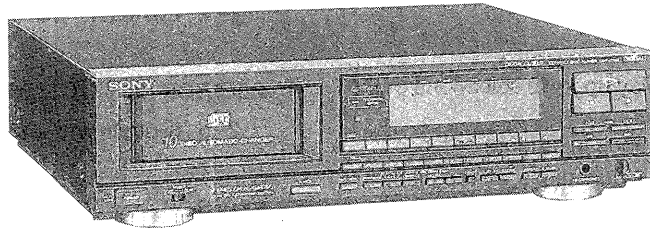


CDP-C100

SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model



SPECIFICATIONS

System	Compact disc digital audio system
Disc	Compact disc
Laser	Semiconductor laser ($\lambda = 780 \text{ nm}$)
Emission duration	Continuous
Laser output	Less than $44.6 \mu\text{W}$ * This output is the value measured through the aperture of 7 mm diameter at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.
Frequency response	2—20,000 Hz $\pm 0.5 \text{ dB}$
Signal to noise ratio	More than 102 dB
Dynamic range	More than 95 dB
Harmonic distortion	Less than 0.003% (1 kHz)
Channel separation	More than 95 dB (1 kHz)
Wow and flutter	Below measurable limit

Outputs jacks

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
HEADPHONES (stereo phone jack)	Output level max. 15 mW Load impedance 32 ohms

Except US model:

DIGITAL OUT (phono jack)	Output level 0.5 V p-p (at 75 ohms) Load impedance 75 ohms
-----------------------------	---

Power requirements

US model: 120 V AC, 60 Hz
AEP model: 220 V AC, 50/60 Hz
E model: 110—120 or 220—240 V
AC, adjustable, 50/60 Hz

Power consumption

US, AEP model: 13 W
E model: 14 W

Dimensions Approx. 430 × 115 × 365 mm (w/h/d)
(17 × 4⁵/₈ × 14³/₈ inches)
including projecting parts and controls

Weight Approx. 6.6 kg (14 lb 9 oz), net

Supplied accessories

Remote commander (1)
Disc magazine (1)
CD booklet holder (1)
Audio signal connecting cord
(phono plug × 2 ↔ phono plug × 2) (1)
Sony SUM-3 (NS) batteries (2)

Remote commander

Remote control system
Infrared control

Power requirements

3 V DC with two size AA (R6) batteries

Dimensions Approx. 62 × 20 × 168.5 mm (w/h/d)
(2¹/₂ × 1³/₁₆ × 6³/₄ inches)

Weight Approx. 130 g (5 oz) incl. batteries

Design and specifications subject to change without notice.

COMPACT DISC PLAYER
SONY®

FEATURES

The compact disc player is equipped with an automatic disc changer which allows you to play up to 10 discs in a row. You can choose from a large number and wide variety of selections.

Custom file functions include:

- **The disc memo function** allows you to name your discs and to store those names in memory.
- **The program bank function** allows you to store your program and its name in memory.

A variety of playing modes:

- **Program play** allows you to play up to 19 selections or the whole disc, in any desired order.
- **Shuffle play** for playing selections in random order
- **Repeat play** for repeating individual discs, all the discs in a magazine, program and shuffle play.

The easy-to-use disc magazine

Allows you to play a particular set of discs at any time simply by inserting the disc magazine into the CD player. Additional magazines (optional) allows you to create a wide variety of sets.

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
Specifications		1
Features		2
Servicing notes		3
SECTION 1. GENERAL		5
1-1. Location and Function of Controls		5
SECTION 2. OUTLINE		6
2-1. Switch and Sensor operations		6
SECTION 3. ELECTRICAL ADJUSTMENTS		7
3-1. RF PLL Frequency Adjustment /Lock Frequency Check		7
3-2. Focus Bias Adjustment		7
3-3. E-F Balance Adjustment.		8
3-4. Focus/Tracking Gain Adjustment (Reference)		8
SECTION 4. DIAGRAMS		10
4-1. Circuit Boards Location		10
4-2. Semiconductor Lead Layouts		11
4-3. Schematic on waveforms		12
4-4. Printed Wiring Boards		13
4-5. Schematic Diagram		17
4-6. Fluorescent Indicator Tube (FLD801)		20
4-7. IC Block Diagram		20
SECTION 5. EXPLODED VIEWS		23
SECTION 6. ELECTRICAL PARTS LIST		28

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

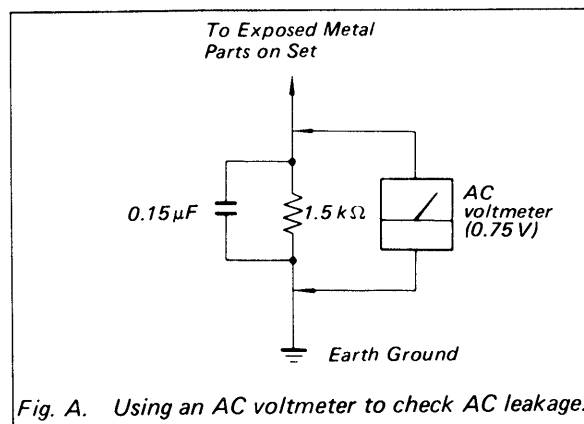


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle 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.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE \triangle SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

• SERVICING NOTES

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.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs a laser. Therefore, be sure to follow carefully the instructions below when servicing.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

1. Laser Diode Properties

- Material: GaAlAs
- Wavelength: 780 nm
- Emission Duration: continuous
- Laser Output: max. 44.6 μ W*

* This output is the value measured at a distance of about 200 mm from the objective lens surface on the Optical Pick-up Block.

2. During service, do not take the Optical Pick-up Block apart, and do not adjust the APC circuit. If there is a breakdown in the APC circuit (including laser diode), replace the entire Optical Pick-up Block (including APC board).

BESKYTTELSE AF ØJNE MOD LASERSTRÅLING UNDER SERVICE

I dette apparat anvendes laserlys. Derfor skal nedenstående instruktioner nøje følges under service.

Følg iøvrigt instruktionerne i servicemanualen.

ADVARSEL!!

Under service må øjnene ikke komme nær objektiv-linsen på den optiske pick-up enhed. I tilfælde af at det er nødvendigt at kontrollere udsendelsen af laserlys, skal det ske i en afstand af mere end 25 cm fra den optiske pick-up.

1. Laser-dioe data

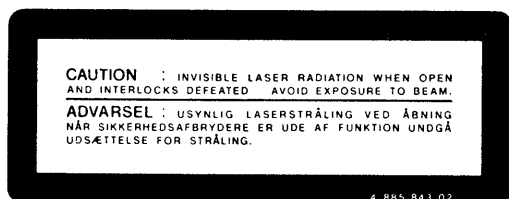
- Materiale: GaAlAs
- Bølgelængde: 780 nm
- Udstråling: Kontinuerlig
- Laseroutput: Max. 44.6 μ W
 - * Målt i 200 mm afstand fra overfladen af objektiv-linsen på den optiske pick-up enhed.
- Klassifikation: Klasse IIIb.

2. Adskil aldrig den optiske pick-up enhed under service, og juster ikke APC kredsløbet (Automatic Power Control). Hvis APC kredsløbet (incl. laserdioden) bryder ned, skal hele den optiske pick-up enhed (incl. APC printkortet) udskiftes.

LASER ADVARSEL MÆRKNING

Følgende mærkning findes indvendig i apparatet:

1. Advarsel Mærkning

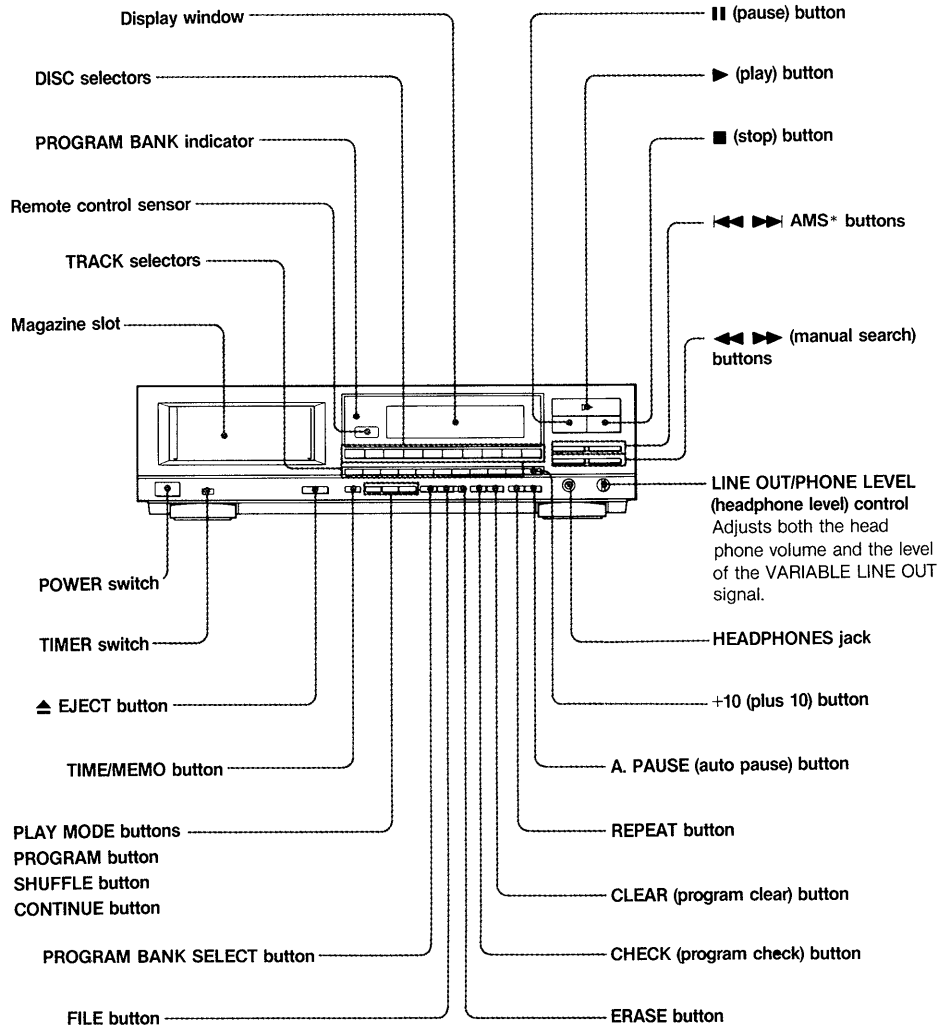


VAROITUS: Laite sisältää, laserdiodin, joka lähettää (näkyvätöntä) silmille vaarallista lasersäteilyä.

SECTION 1 GENERAL

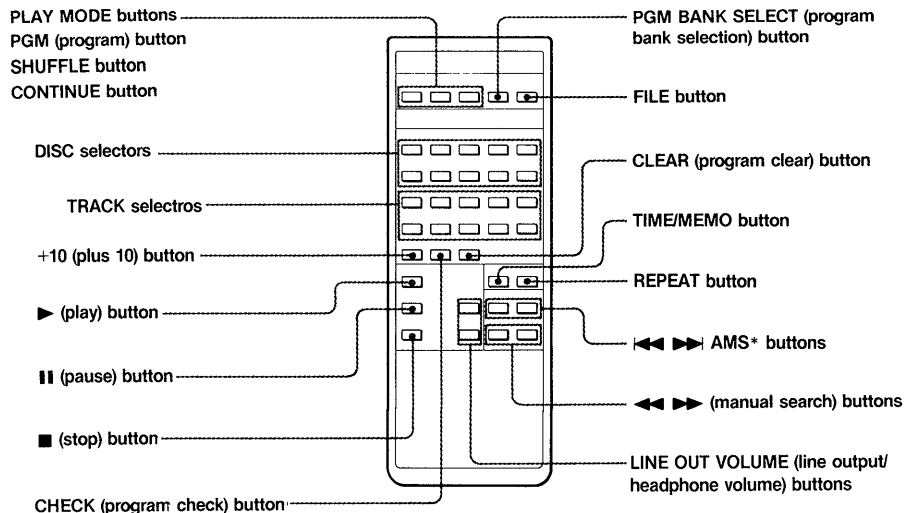
1-1. LOCATION AND FUNCTION OF CONTROLS

FRONT PANEL



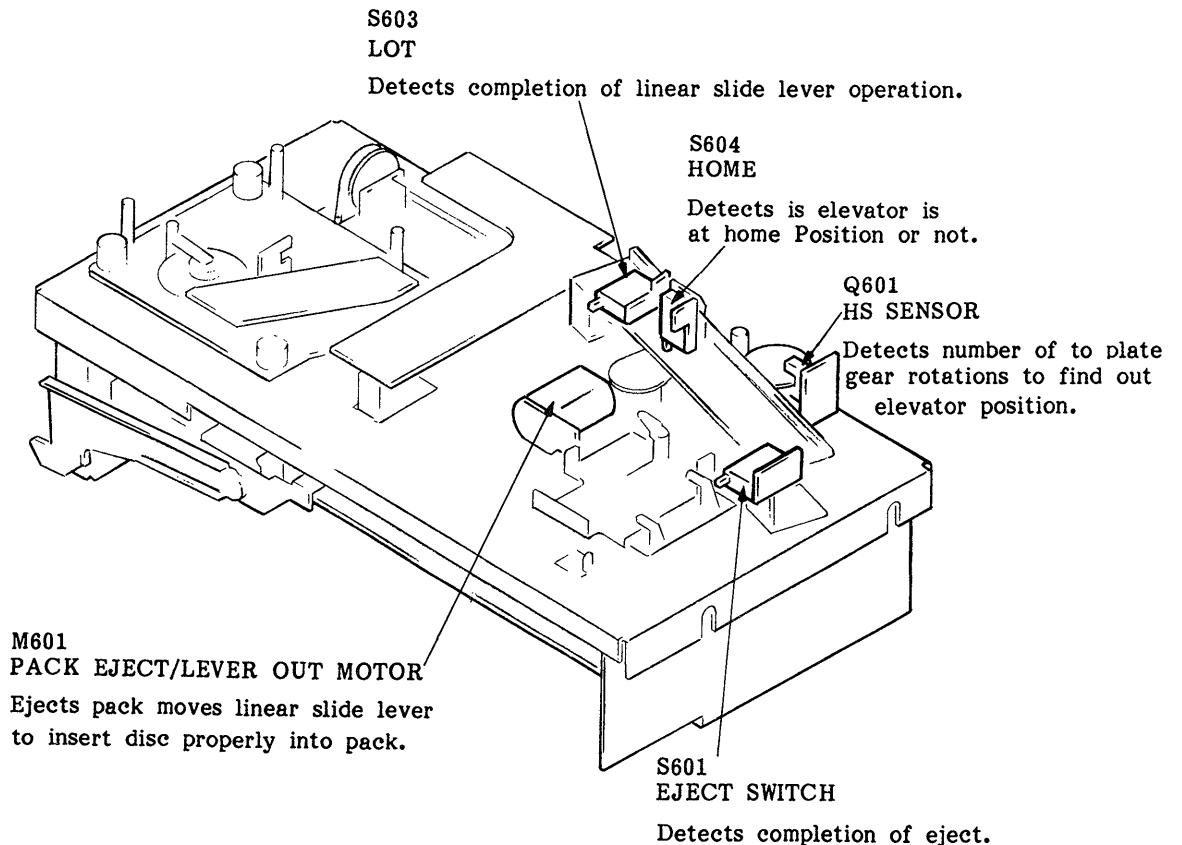
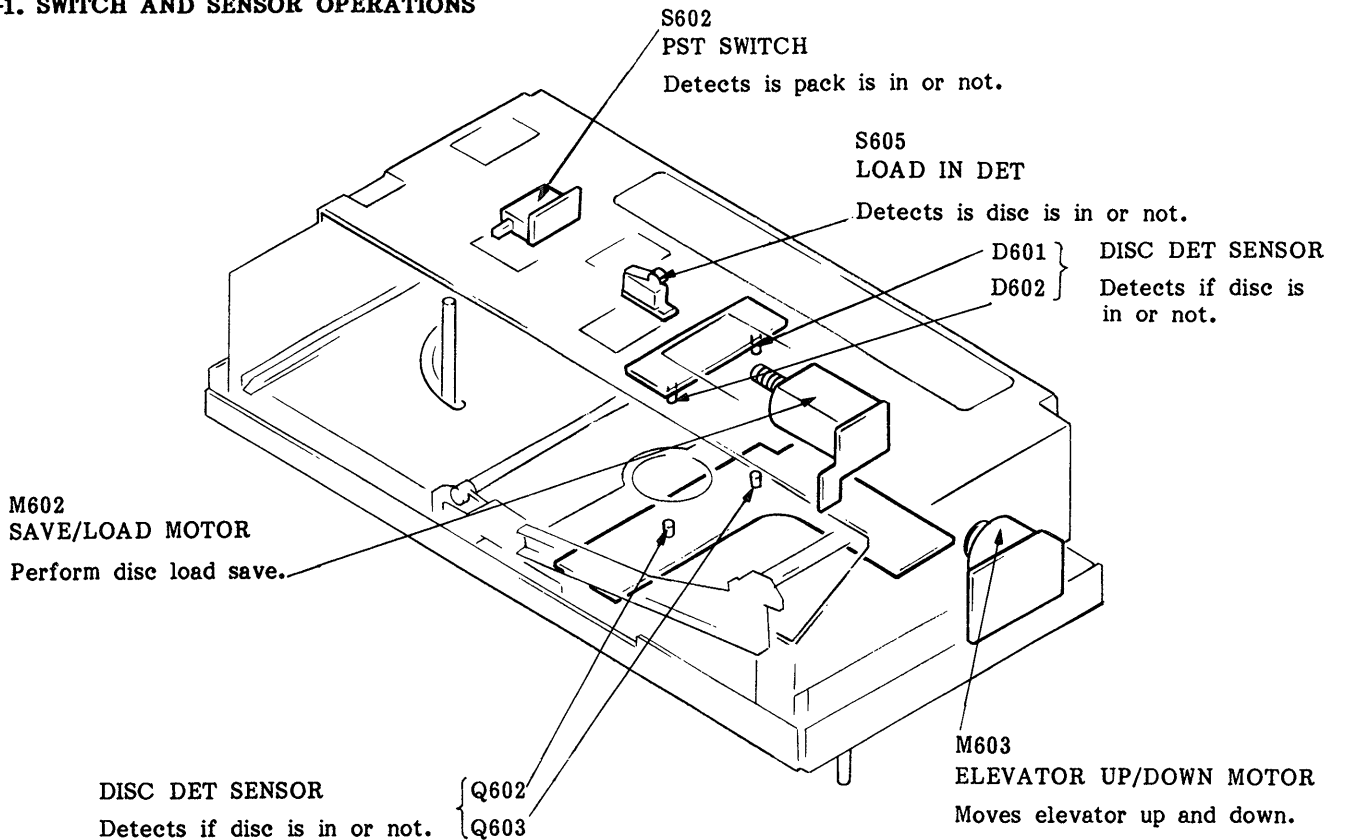
*AMS is an abbreviation of Automatic Music Sensor.

REMOTE COMMANDER



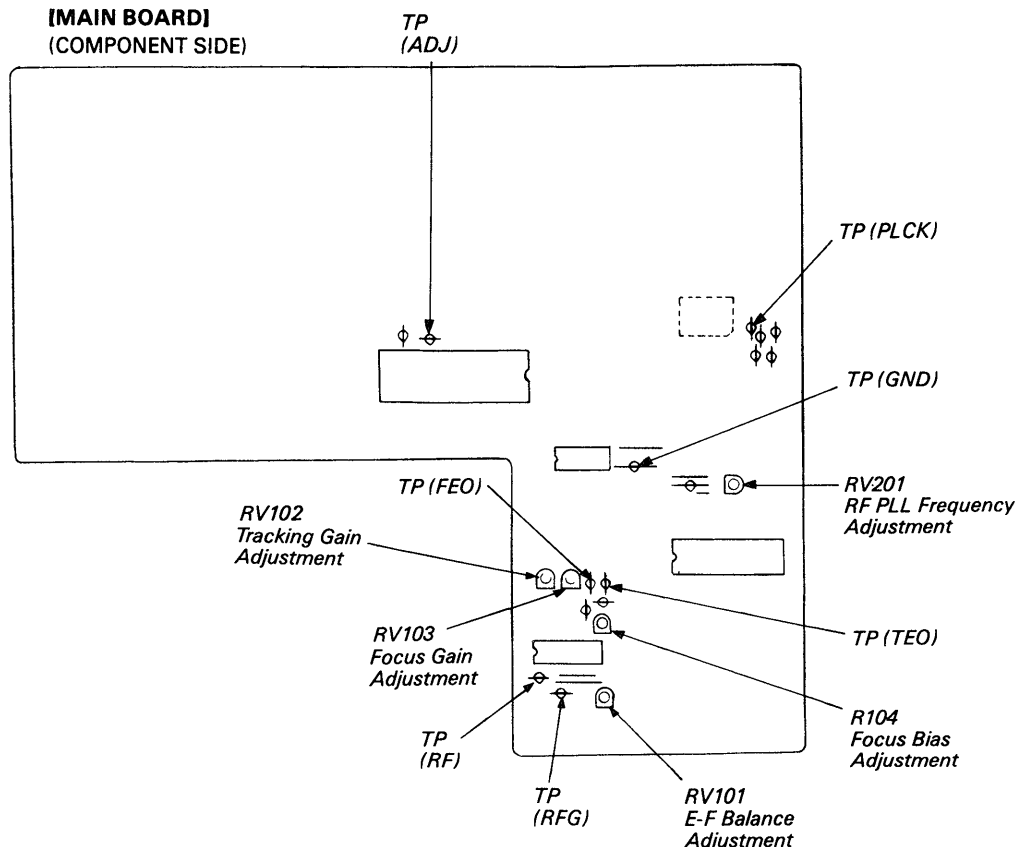
SECTION 2 OUTLINE

2-1. SWITCH AND SENSOR OPERATIONS



SECTION 3 ELECTRICAL ADJUSTMENTS

• Parts location diagram relevant to the adjustment.

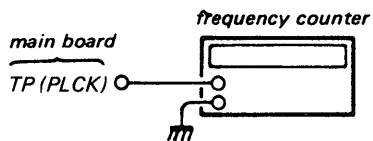


• **Note on Adjustment**

1. Perform adjustments in the order given.
2. Use YEDS-18 (Part No.: 3-702-101-01) disc unless otherwise indicated.
3. Use the oscilloscope with more than 10MΩ impedance.

3-1. RF PLL Frequency Adjustment/ Lock Frequency Check

Procedure:

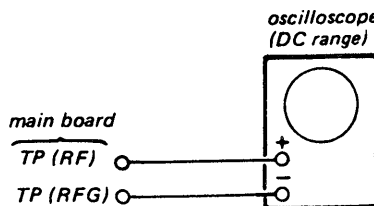


1. Connect test point TP (ASY) to ground with lead wire.
2. Turn POWER switch on.
3. Connect the frequency counter to test point TP (PLCK).
4. Adjust RV201 so that the reading on the frequency counter is 4.3218MHz ± 30kHz ... (RF PLL Frequency Adjustment).
5. Remove lead wire connecting TP (ASY) to ground.
6. Put disc (YEDS-18) in and press D button.
7. Confirm that the reading on the frequency counter is 4.3218MHz.

3-2. Focus Bias Adjustment

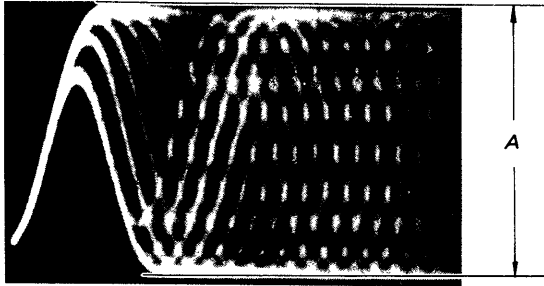
Note: This adjustment should be made when replacing Optical Pick-up Block.

Procedure:



1. Connect oscilloscope to test point TP (RF) and test point TP (RFG).
2. Turn POWER switch on.
3. Put disc (YEDS-18) in and press ▷ button.
4. Adjust RV104 for an optimum waveform eye pattern or so that the peak is maximum. Optimum eye pattern means that shape "◇" can be clearly distinguished at the center of the waveform.

RF signal waveform

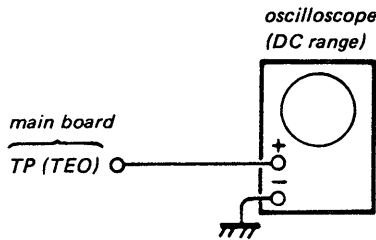


$A = 1.2V \pm 0.2 (Vp-p)$

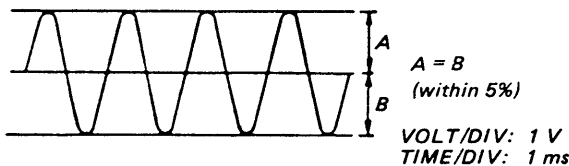
3-3. E-F Balance Adjustment

Note: This adjustment should be made when replacing Optical Pick-up Block.

Procedure:



1. Connect test point TP (ADJ) to ground with lead wire.
2. Connect oscilloscope to test point TP (TE0).
3. Turn POWER switch on.
4. Put disc (YEDS-18) in and press ▷ button.
5. Adjust RV101 so that the traverse waveform is symmetrical above and below.
6. After adjustment remove the lead wire connected in step 5.



3-4. REFERENCE Focus/Tracking Gain Adjustment

A frequency response analyzer is necessary in order to perform this adjustment exactly.

However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.

Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate.

However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

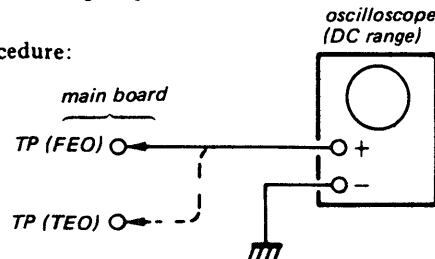
Symptoms \ Gain	Focus	Tracking
• The time until music starts becomes longer for STOP → ▷PLAY or automatic selection (◀▶▶▶ buttons pressed. (Normally takes about 2 seconds.)	low	low or high
• Music does not start and disc continues to rotate for STOP → ▷PLAY or automatic selection (◀▶▶▶ buttons pressed.)	-	low
• Disc table opens shortly after STOP → ▷PLAY.	low or high	-
• Sound is interrupted during PLAY. Or time counter display stops progressing.	-	low
• More noise during 2-axis device operation.	high	high

The following is a simple adjustment method.

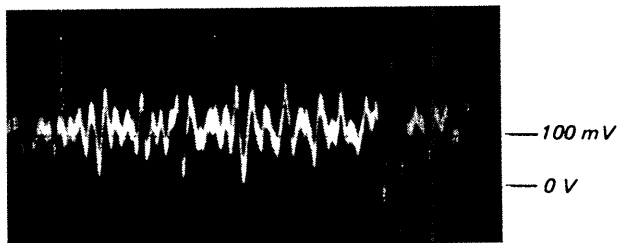
- Simple Adjustment -

Note: Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment. If the positions after the simple adjustment are only a little different, return the controls to the original position.

Procedure:



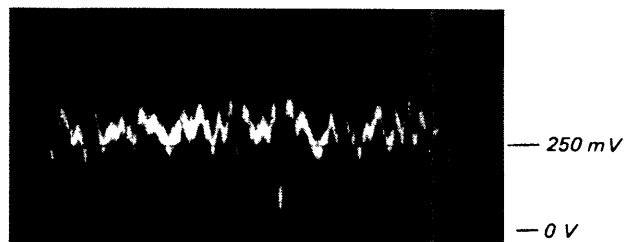
1. Keep the set horizontal. (If the set is not horizontal, this adjustment cannot be performed due to the gravity against the 2 axis device.)
2. Insert disc (YEDS-18: Fifth Selection) and press ▷PLAY button.
3. Connect oscilloscope to main amp board TP (FEO).
4. Adjust RV103 so that the waveform is as shown in the figure below. (focus gain adjustment)



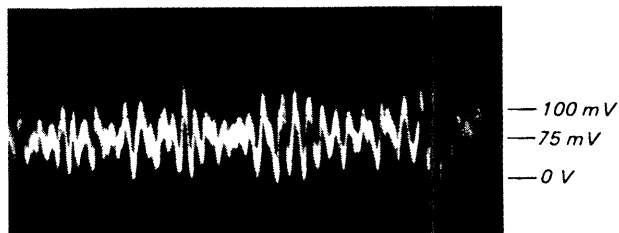
VOLT/DIV: 100mV
TIME/DIV: 2mS

- Incorrect Examples (DC level changes more than on adjusted waveform)

low focus gain



VOLT/DIV: 100mV
TIME/DIV: 2mS



VOLT/DIV: 100mV
TIME/DIV: 2mS

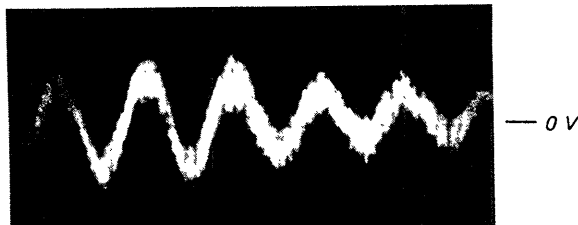
5. Connect oscilloscope to main board TP (TE0).
6. Adjust RV102 so that the waveform is as shown in the figure below. (Tracking Gain Adjustment)



VOLT/DIV: 1V
TIME/DIV: 2mS

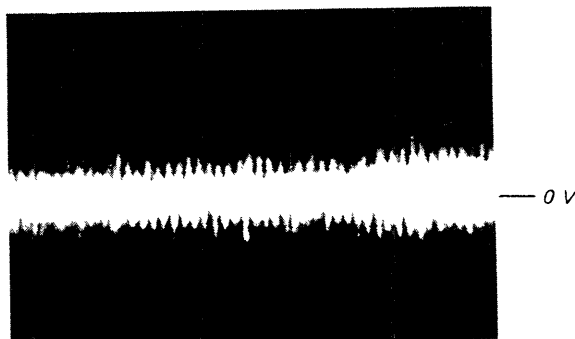
- Incorrect Examples (fundamental wave appears)

low tracking gain



VOLT/DIV: 1V
TIME/DIV: 2mS

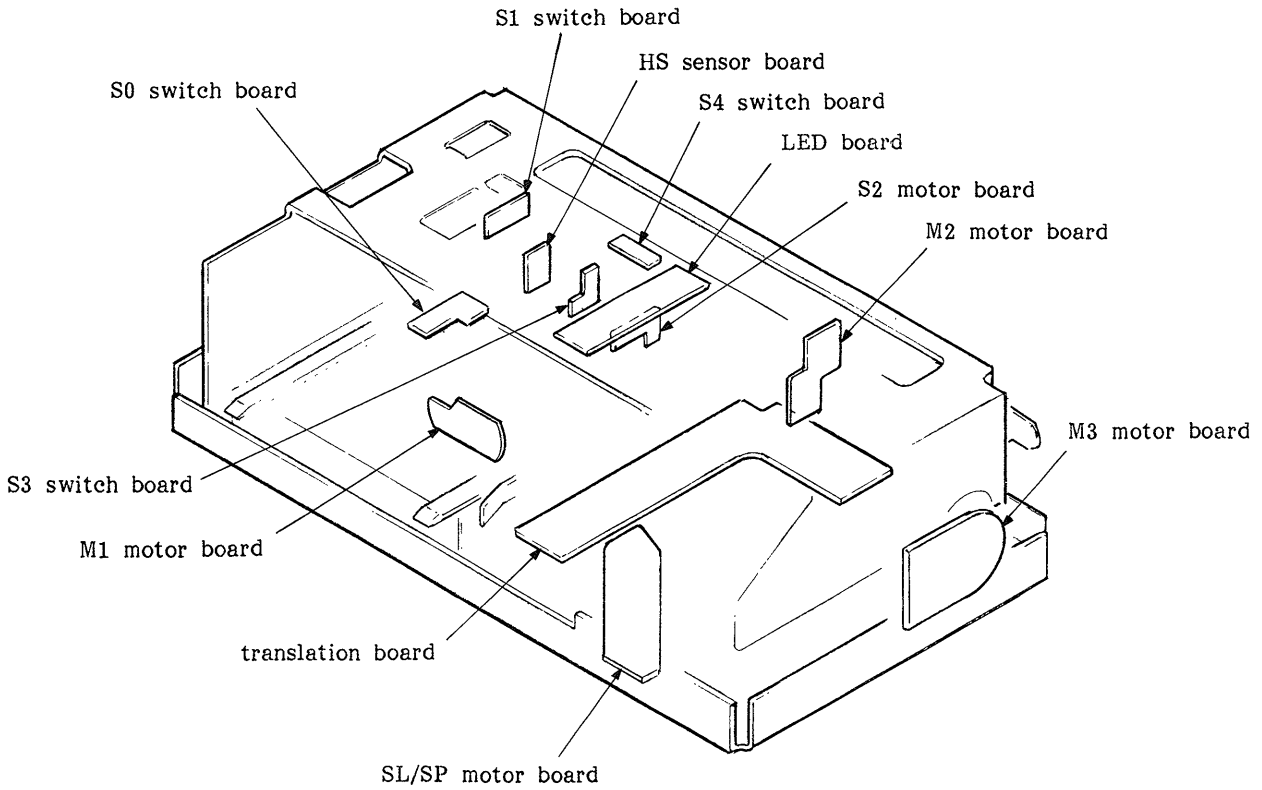
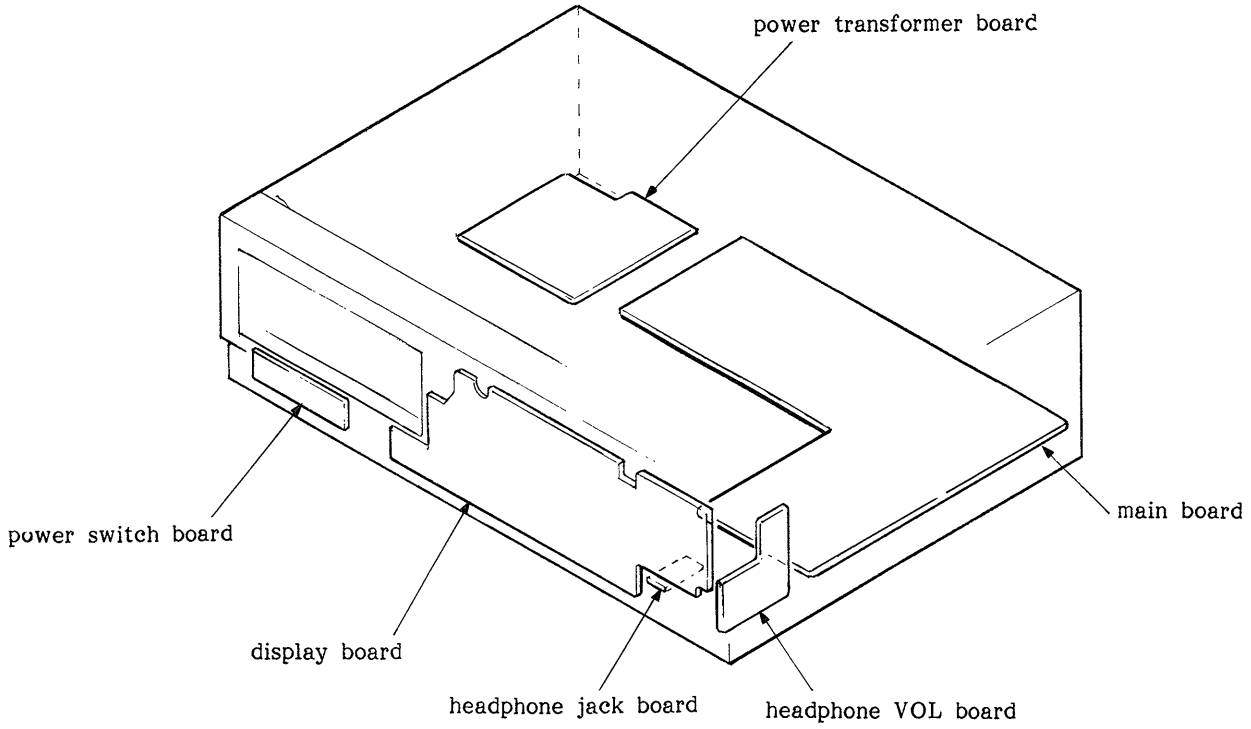
*high tracking gain
(higher fundamental wave than for low gain)*



VOLT/DIV: 1V
TIME/DIV: 2mS

SECTION 4 DIAGRAMS

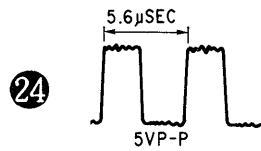
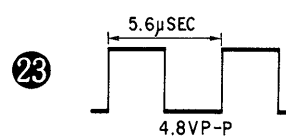
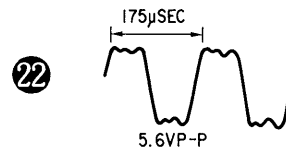
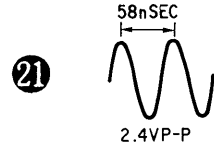
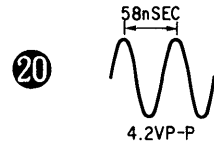
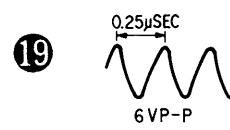
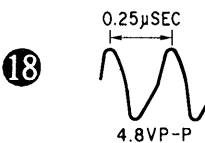
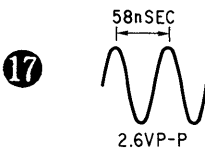
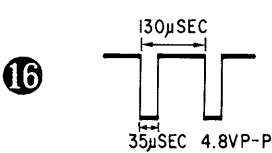
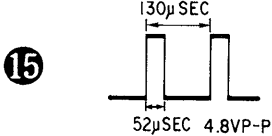
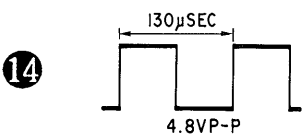
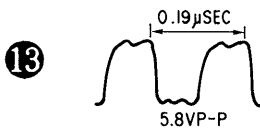
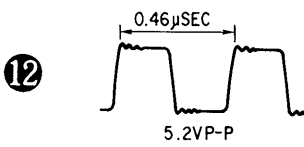
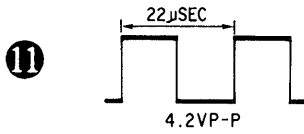
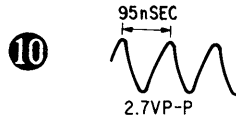
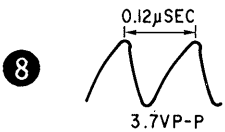
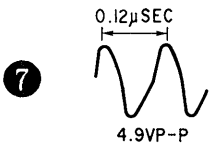
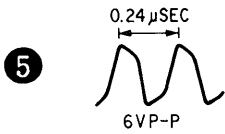
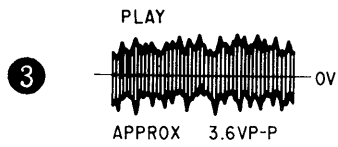
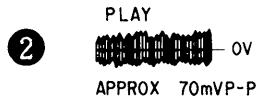
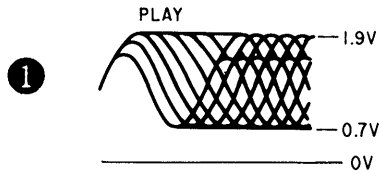
4-1. CIRCUIT BOARDS LOCATION



4-2. SEMICONDUCTOR LEAD LAYOUTS

<p>CXA1081S</p> <p>(Top view)</p>	<p>LA6520 LB1649</p>	<p>NJM4556S</p>	<p>2SC2021</p>
<p>CXA1182S</p>	<p>LC9600R-183 TDA1541-N5</p>	<p>TC40H004P</p> <p>(Top view)</p>	<p>2SC3622A-K</p>
<p>CXD1088Q</p>	<p>M50740A-425SP</p> <p>TOP VIEW</p>	<p>PT360FS</p>	<p>AY3638S</p>
<p>CXD1125Q CXP5058H-094Q</p> <p>MARKING SIDE VIEW</p>	<p>M50747-443SP</p> <p>(Top view)</p>	<p>2SA1345 2SC3399 2SC3402 2SC3860</p>	<p>GPIS53</p>
<p>CXK5816M-10L</p> <p>(Top view)</p>	<p>M5218P M5219P M74HC6004P</p> <p>(Top view)</p>	<p>2SB734</p>	<p>HZS4.3NB2 HZS6B1L HZS9B2L</p>
<p>LA6500-FA</p>	<p>M5230L-A</p>	<p>2SB1014</p>	<p>ISS132 10E2</p>
<p>LA6500-FA</p>	<p>M5290P-16</p> <p>(Top view)</p>	<p>2SB1274-RS 2SD1913SA</p>	<p>SE303AY</p>

4-3. SCHEMATIC ON WAVEFORMS



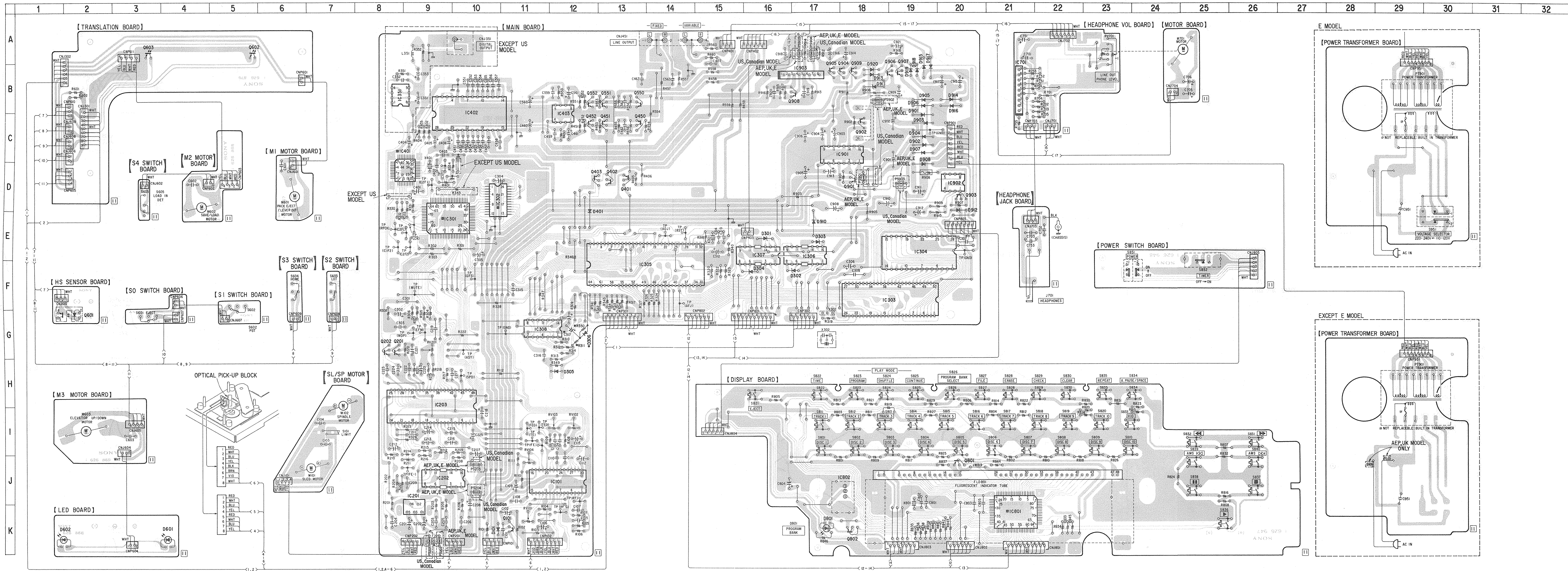
4-4. PRINTED WIRING BOARDS

.See page 9 for circuit boards location.
 .See page 10 for semiconductor lead layouts.

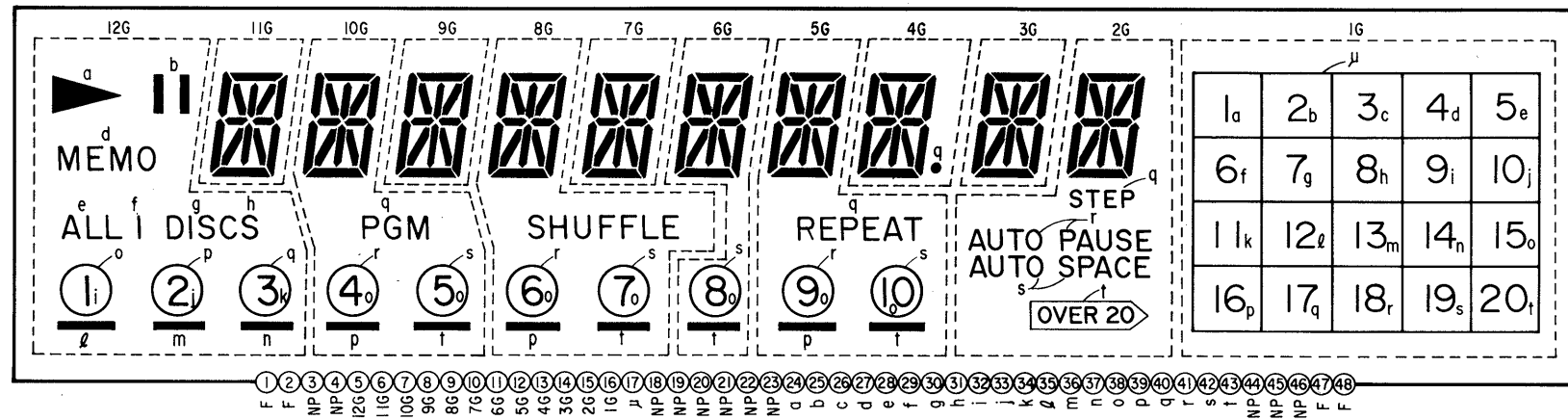
.SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	K-10	D920	A-18	Q403	D-12
D301	E-15	IC101	J-11	Q450	B-13
D302	F-16	IC201	J-8	Q451	B-12
D303	E-17	IC202	J-9	Q452	B-12
D304	E-15	IC203	H-9	Q550	B-13
D305	H-11	IC301	E-9	Q551	B-12
D306	G-12	IC302	D-10	Q552	B-12
D401	D-12	IC303	F-18	Q601	F-2
D601	K-4	IC304	E-19	Q602	A-5
D602	K-1	IC305	E-13	Q603	A-3
D801	J-17	IC306	E-16	Q801	I-20
D901	B-19	IC307	E-15	Q802	K-17
D902	C-19	IC308	G-11	Q801	D-17
D903	C-19	IC351	B-8	Q902	C-17
D904	C-19	IC401	C-8	Q903	D-20
D905	B-19	IC402	B-10	Q904	A-17
D906	B-19	IC403	B-11	Q905	A-17
D907	C-19	IC701	A-21	Q906	A-18
D908	C-19	IC801	J-20	Q907	A-18
D910	E-17	IC802	J-17	Q908	B-16
D911	B-18	IC901	C-17	Q909	A-17
D912	D-20	IC902	D-19		
D913	B-18	IC903	B-16		
D914	B-19				
D915	A-19	Q101	J-10		
D916	B-19	Q201	G-8		
D917	A-19	Q202	G-8		
D918	A-18	Q401	D-13		
D919	B-18	Q402	D-12		

Note:
 ○ : parts extracted from the component side.
 ● : parts mounted on the conductor side.
 ○ : Jumper wire connected to the ground pattern on the component side.
 ○ : Pattern on the side which is seen.



4-6. FLUORESCENT INDICATOR TUBE (FLD801)



- Note:**
- All capacitors are in μF unless otherwise noted. pF : μF 500V or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
 - % : indicates tolerance.
 - : fusible resistor.

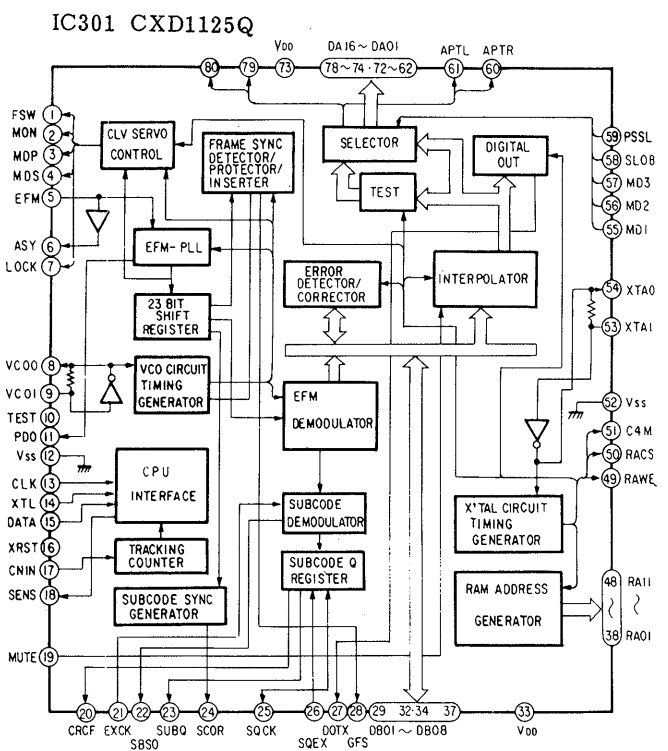
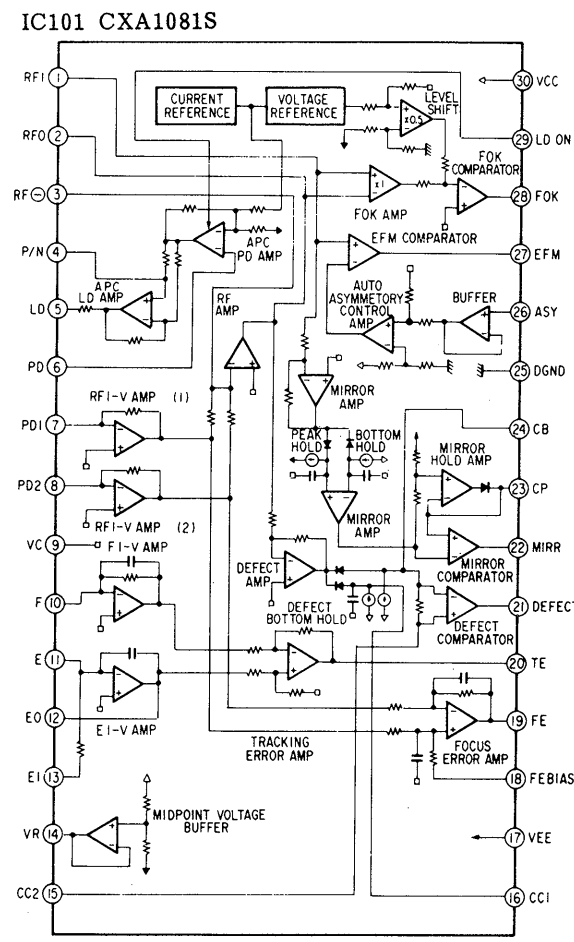
Note: The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

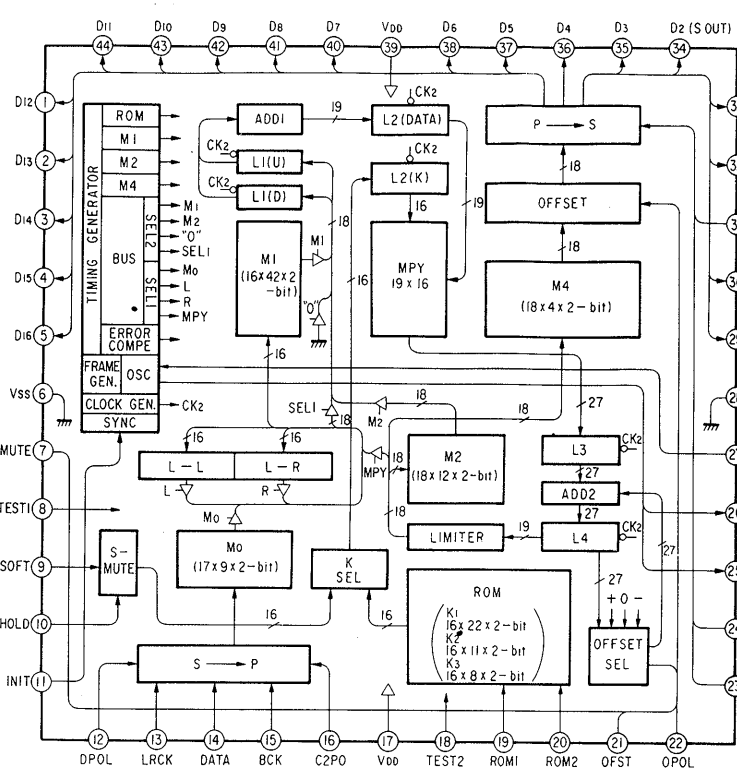
Ref. No.	Switch	Position
S101	LIMIT	OFF
S601	EJECT	OFF
S602	PST	OFF
S603	LOT	OFF
S604	HOME	OFF
S605	LOAD IN DET	OFF
S801	DISC 1	OFF
S802	DISC 2	OFF
S803	DISC 3	OFF
S804	DISC 4	OFF
S805	DISC 5	OFF
S806	DISC 6	OFF
S807	DISC 7	OFF
S808	DISC 8	OFF
S809	DISC 9	OFF
S810	DISC 10	OFF
S817	TRACK 1	OFF
S812	TRACK 2	OFF
S813	TRACK 3	OFF
S814	TRACK 4	OFF
S815	TRACK 5	OFF
S816	TRACK 6	OFF
S817	TRACK 7	OFF
S818	TRACK 8	OFF
S819	TRACK 9	OFF
S820	TRACK 10	OFF
S821	EJECT	OFF
S822	TIME	OFF
S823	PLAY MODE PROGRAM	OFF
S824	PLAY MODE SHUFFLE	OFF
S825	PLAY MODE CONTINUE	OFF
S826	PROGRAM BANK SELECT	OFF
S827	FILE	OFF
S828	ERASE	OFF
S829	CHECK	OFF
S830	CLEAR	OFF
S831		OFF
S832		OFF
S833	+10	OFF
S834	A. PAUSE/SPACE	OFF
S835	REPEAT	OFF
S836	OFF	OFF
S837	OFF	OFF
S838	OFF	OFF
S839	AMS	OFF
S840	AMS	OFF

- : B+ Line
- : B- Line
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions. no mark : stop mode
- Voltages are taken with a VOM (50 k Ω /V). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- : CD
- : digital out

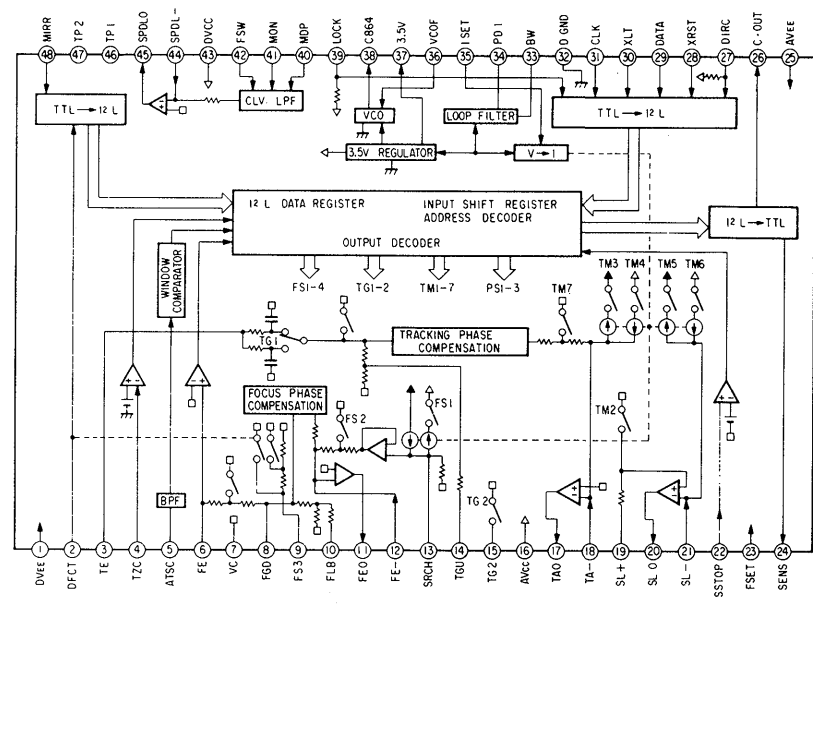
4-7. IC BLOCK DIAGRAM



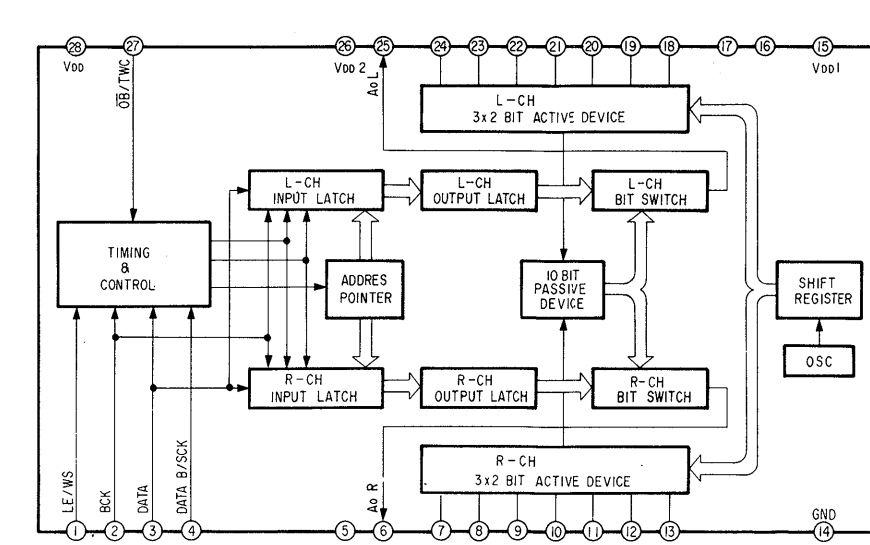
IC401 CXD1088Q



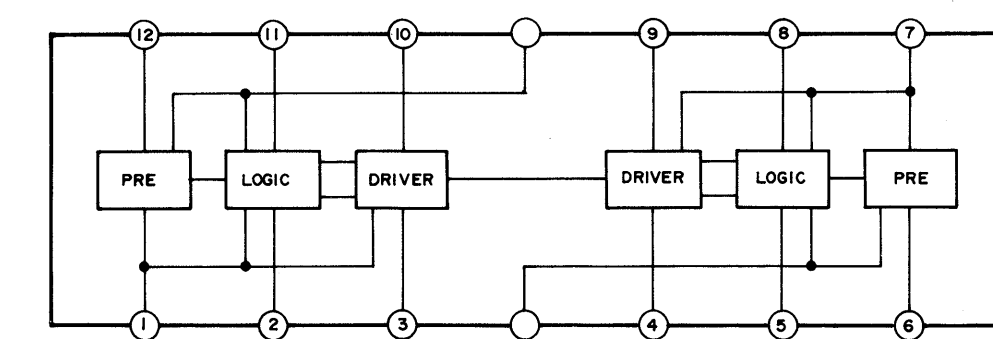
IC203 CXA1182S



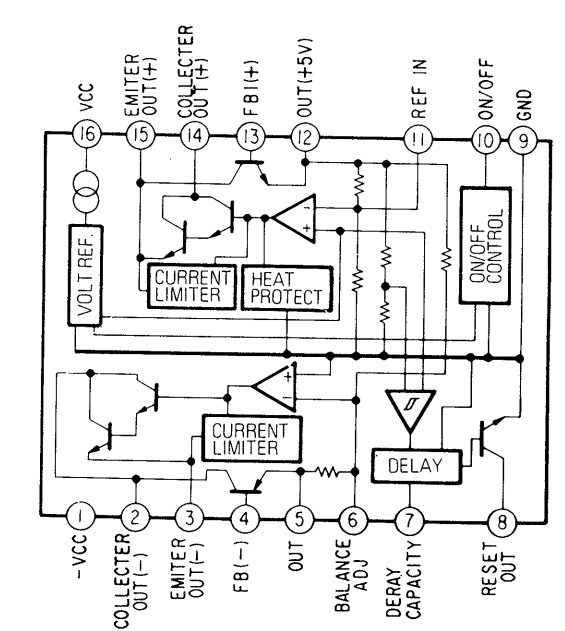
IC402 TDA1541-N5



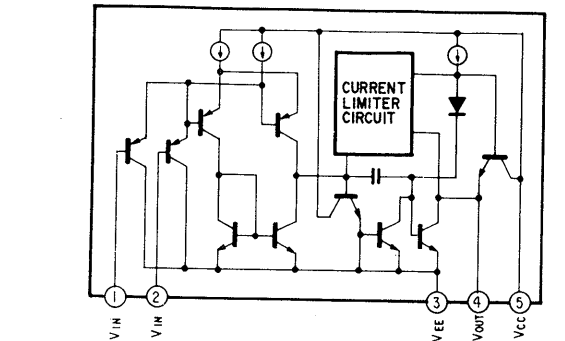
IC306,307 LB1649



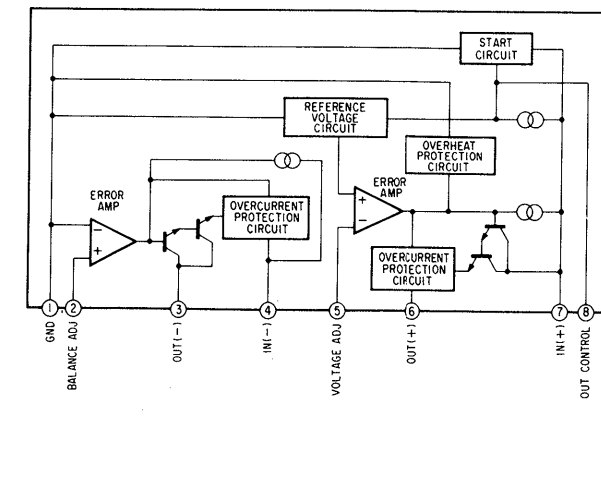
IC901 M5290P-16



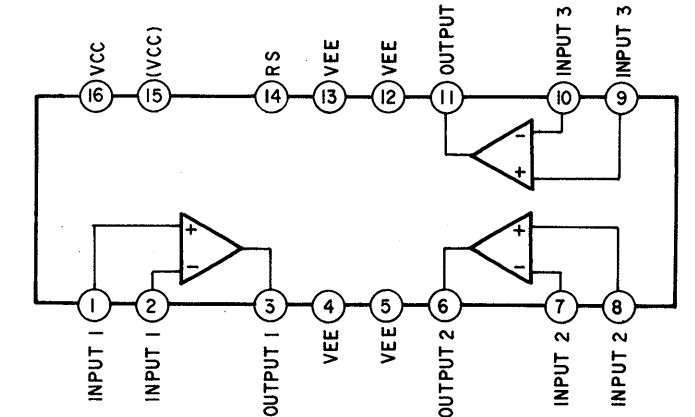
IC201 LA6500-FA



IC903 M5230L-A



IC202 LA6520



SECTION 5 EXPLODED VIEWS

NOTE:

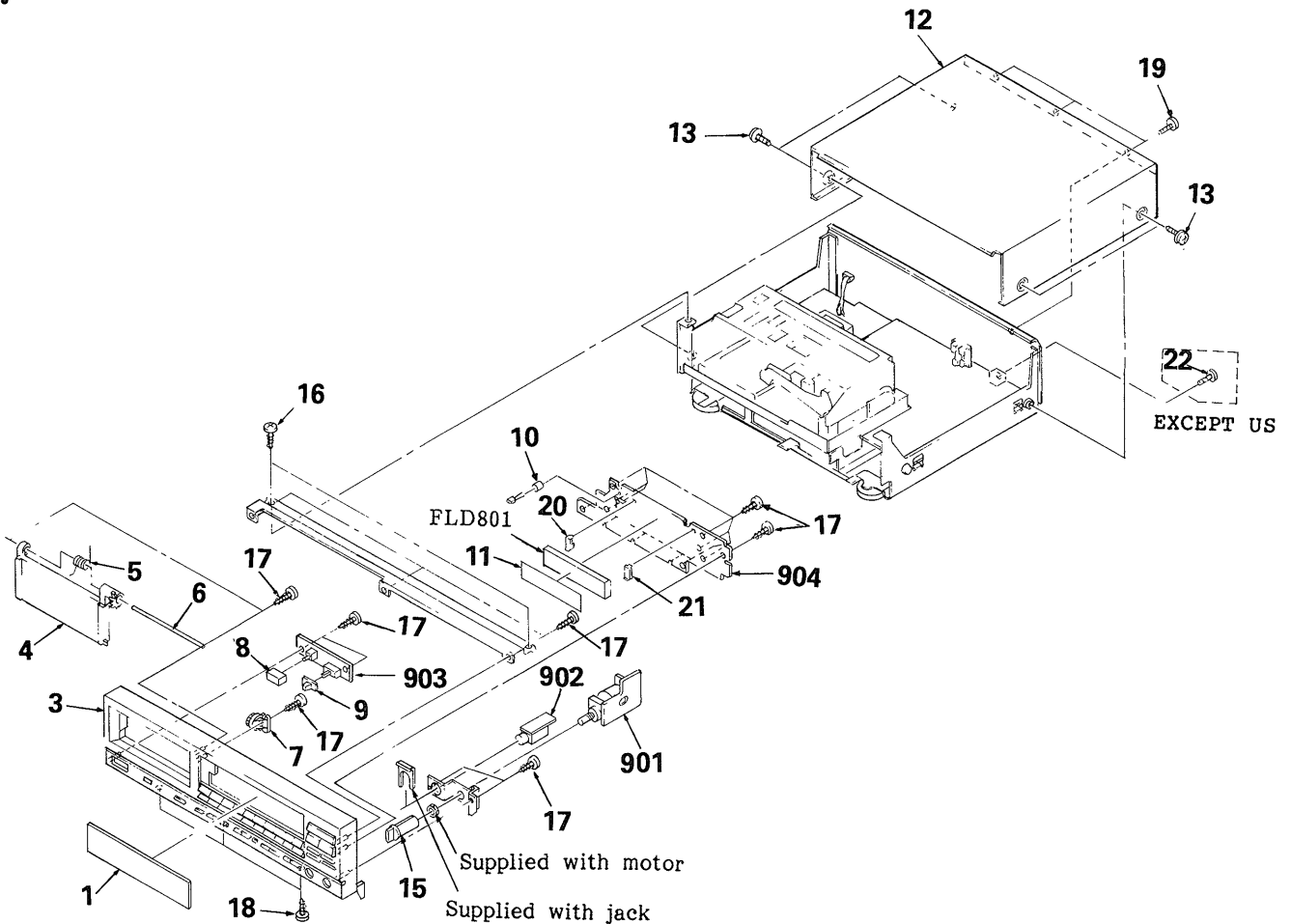
- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts Example:
(RED) ... KNOB, BALANCE (WHITE)
↑ Cabinet's Color ↑ Parts' Color

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

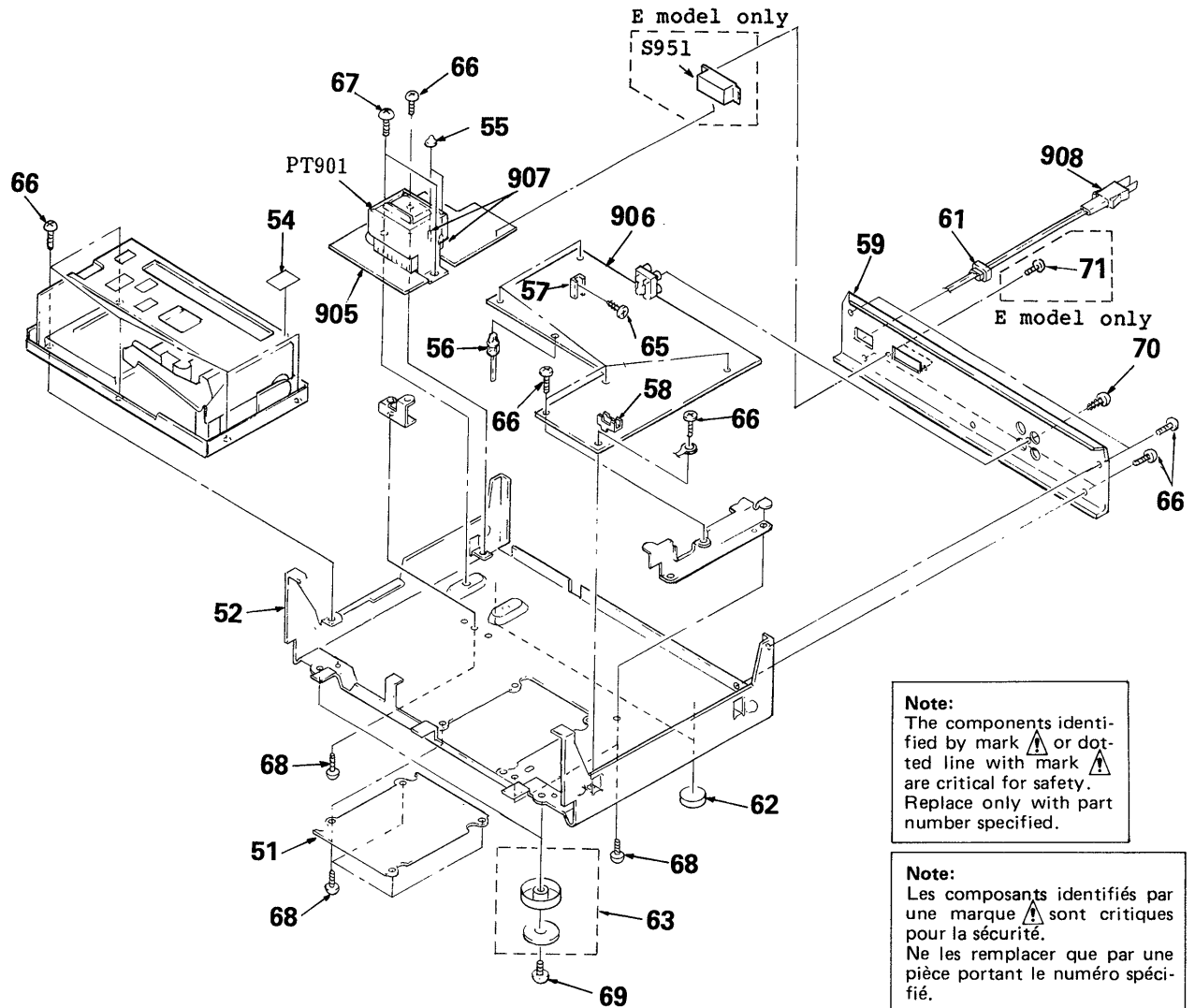
Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

5-1.



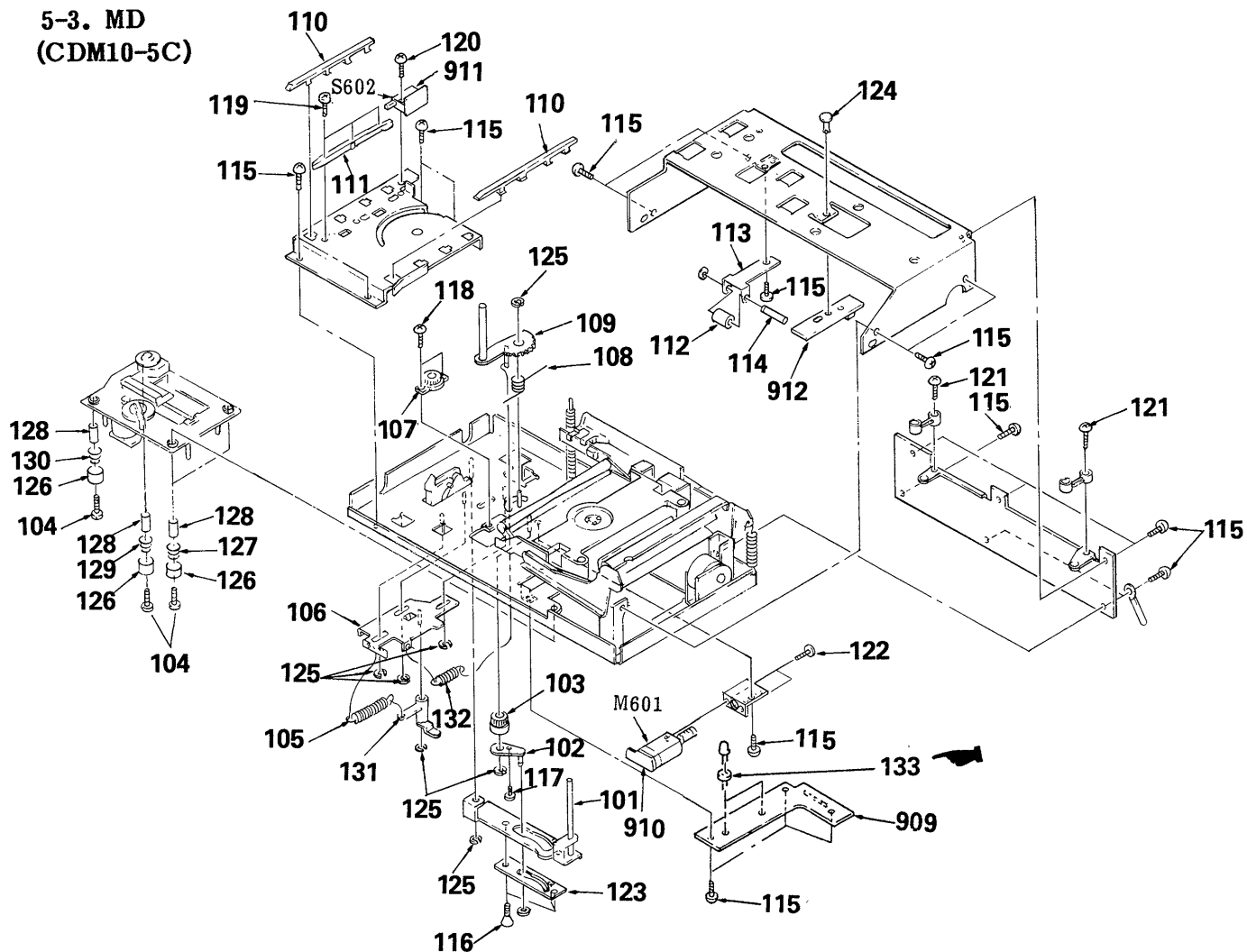
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	4-924-498-01	PLATE, INDICATION		13	3-704-366-01	SCREW (CASE) (M3X8)	
3	X-4924-415-2	(Canadian)...PANEL ASSY, FRONT		15	4-923-522-01	KNOB (B.TYPE), LOV	
	X-4924-416-1	(US).....PANEL ASSY, FRONT		16	7-682-147-01	SCREW +BVTT 3X6 (S)	
	X-4924-417-1	(AEP,E)....PANEL ASSY, FRONT		17	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S	
4	4-924-492-01	LID		18	7-685-872-09	SCREW +BVTT 3X8 (S)	
5	4-924-499-01	SPRING		19	7-682-547-09	SCREW +BVTT 3X6 (S)	
6	4-926-303-01	SHAFT (LID)		20	*4-922-524-01	HOLDER (LEFT)	
7	4-919-393-01	DAMPER		21	*4-922-523-01	HOLDER (RIGHT)	
8	4-922-921-01	BUTTON (POWER)		22	7-685-646-79	(EXCEPT US)..SCREW +BVTP 3X8 TYPE 2 N-S	
9	4-922-518-01	KNOB (TIMER)		901	*1-626-946-11	PC BOARD, MOTOR	
10	*4-923-532-01	SPACER, LED		902	*1-626-945-11	PC BOARD, HEADPHONE JACK	
11	4-922-519-01	FILTER		903	*1-626-948-11	PC BOARD, POWER SWITCH	
12	4-926-301-01	CASE		904	*A-4655-071-A	MOUNTED PCB, DISPLAY	

5-2.



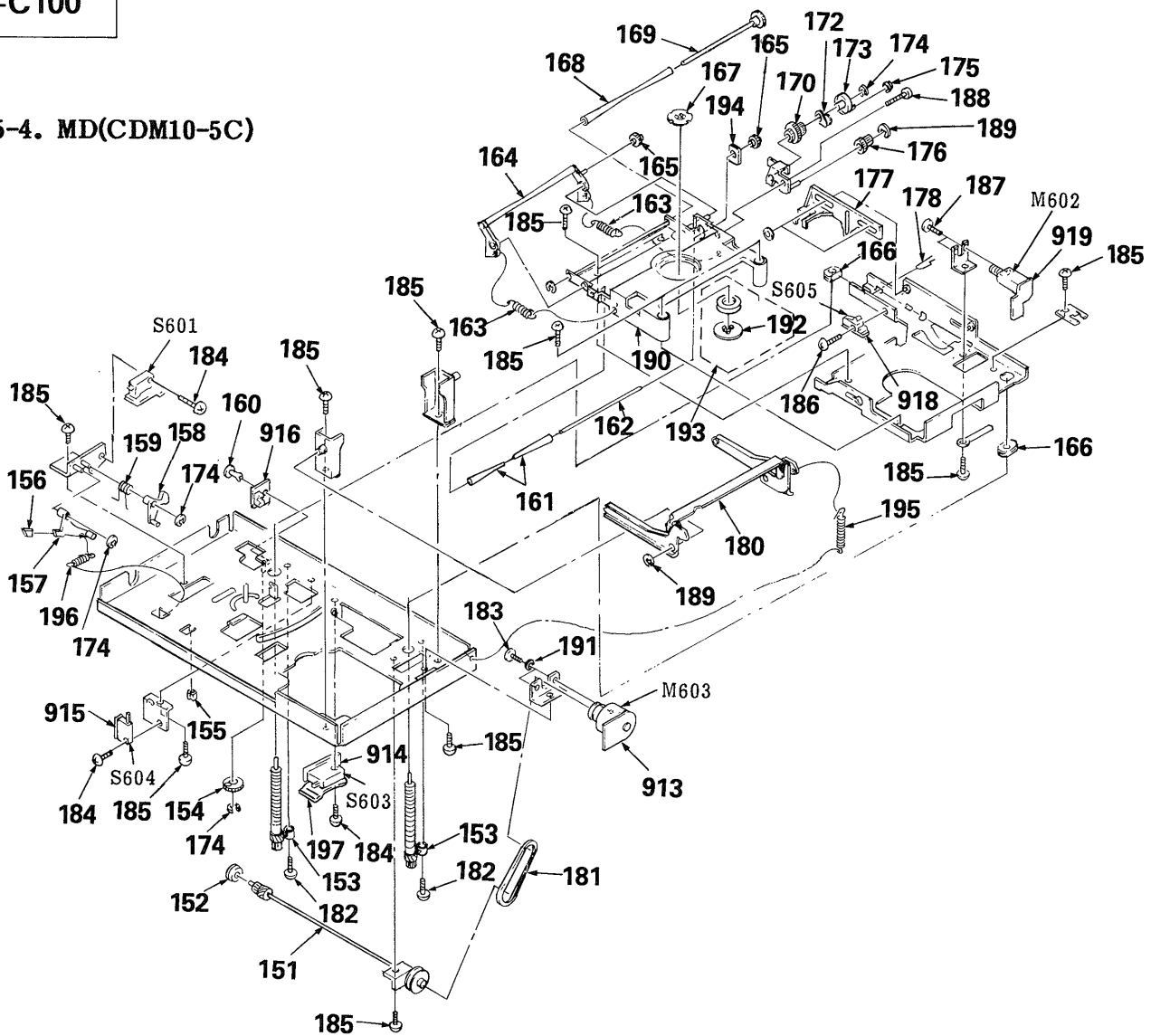
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	*4-924-497-01	PLATE, BOTTOM		66	7-682-147-01	SCREW +BVTT 3X6 (S)	
52	*4-926-302-01	CHASSIS		67	7-682-560-04	SCREW +BVTT 4X6 (S)	
53	*4-926-304-01	COVER		68	7-682-547-09	SCREW +BVTT 3X6 (S)	
54	4-911-357-01	INSULATOR		69	7-685-872-09	SCREW +BVTT 3X8 (S)	
55	*4-912-962-01	COVER (1P), TERMINAL		70	4-909-982-01	SCREW, TAPPING	
56	*3-676-567-00	SPACER		71	7-685-646-79	(E).....SCREW +BVTP 3X8 TYPE2 N-S	
57	*3-309-144-01	HEAT SINK		905	*1-626-943-11	PC BOARD, POWER TRANSFORMER	
58	*4-922-525-01	HEAT SINK		906	*A-4651-201-A	(AEP).....MOUNTED PCB, MAIN	
59	*4-924-404-11	(US).....PANEL, BACK			*A-4651-202-A	(US).....MOUNTED PCB, MAIN	
	*4-924-404-21	(Canadian)...PANEL, BACK			*A-4651-203-A	(Canadian)...MOUNTED PCB, MAIN	
	*4-924-404-31	(AEP).....PANEL, BACK			*A-4651-204-A	(E).....MOUNTED PCB, MAIN	
	*4-924-404-51	(E).....PANEL, BACK		907	1-535-416-00	TERMINAL	
60	*4-923-506-01	BRACKET (PC BOARD)		908	⚠ 1-551-478-00	(US, Canadian)...CORD, POWER (POLAR.SPT-2)	
61	*3-703-244-00	(EXCEPT E)....BUSHING (2104), CORD			⚠ 1-555-795-00	(AEP).....CORD, POWER, EULO PLUG	
	*3-703-571-11	(E).....BUSHING (S) (4516), CORD			⚠ 1-551-188-XX	(E).....CORD, POWER	
62	4-926-323-01	FOOT (DIA,30)		PT901	⚠ 1-449-320-11	(US, Canadian)...TRANSFORMER, POWER	
63	X-4924-420-1	(US).....FOOT ASSY			⚠ 1-449-321-11	(AEP)...TRANSFORMER, POWER	
	X-4924-421-1	(EXCEPT US)...FOOT ASSY			⚠ 1-449-322-11	(E).....TRANSFORMER, POWER	
65	7-682-147-15	SCREW, TR		S951	⚠ 1-571-309-11	(E).....SWITCH (VOLTAGE SELECTOR)	

**5-3. MD
(CDM10-5C)**



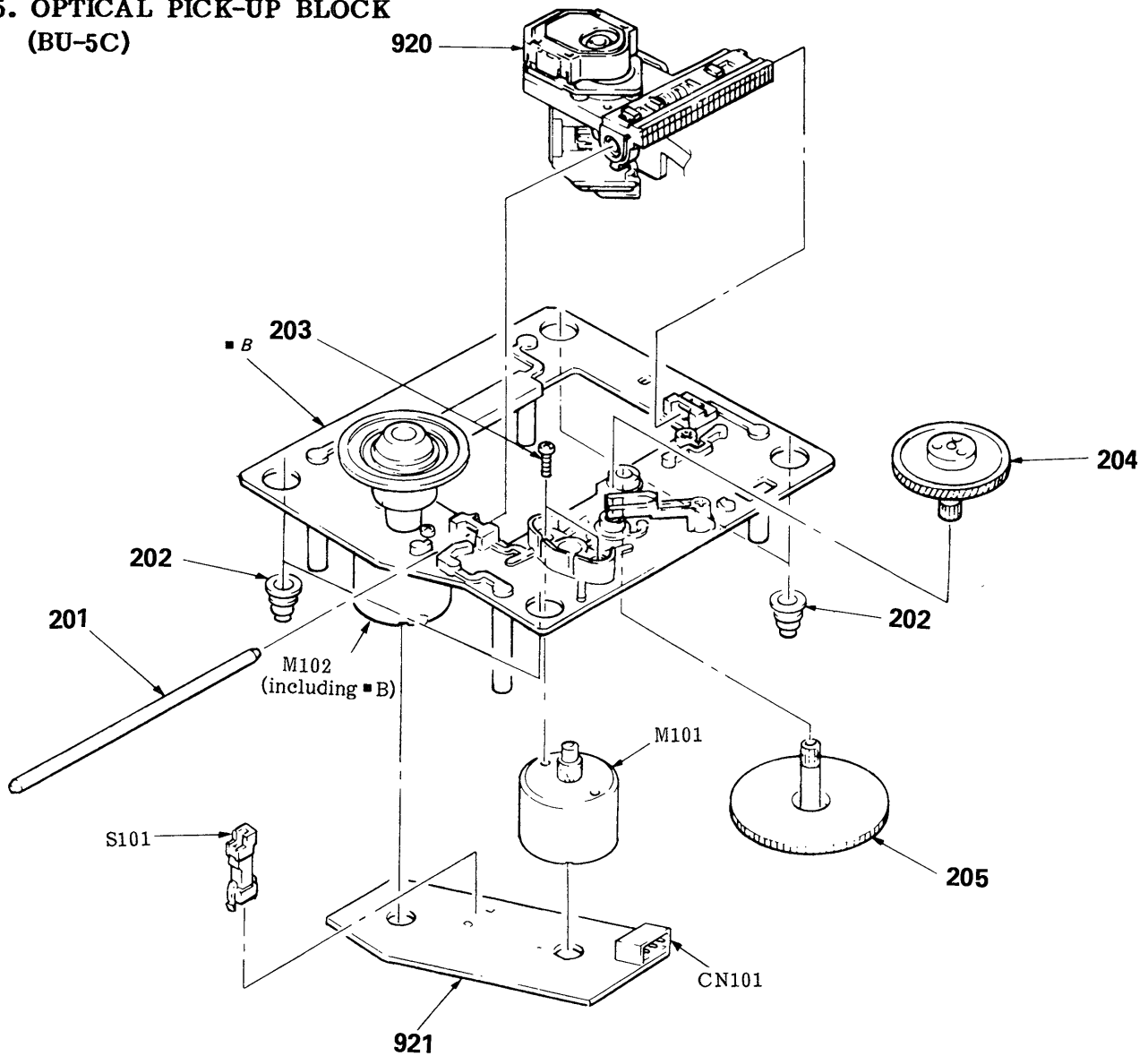
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
101	*X-4917-728-1	LEVER (D1) ASSY		120	7-621-773-87	SCREW +BVTT 2.6X10 (S)	
102	X-4917-733-1	LEVER (G) ASSY		121	7-682-548-04	SCREW +BVTT 3X8 (S)	
103	4-926-230-01	GEAR (P1)		122	7-621-772-00	SCREW +B 2X3	
104	7-685-868-01	SCREW +BVTT 2.6X20 (S)		123	4-926-210-01	LEVER (D2)	
105	4-926-213-01	SPRING (1), TENSION		124	*3-531-576-11	RIVET	
106	*X-4917-735-1	SLIDER (A) ASSY		125	7-624-106-04	STOP RING 3.0, TYPE -E	
107	3-319-224-31	DAMPER, SMALL		126	4-917-508-01	HOLDER, SP	
108	4-926-208-01	SPRING (EJECT)		127	4-917-507-01	SPRING (H)	
109	X-4917-729-1	LEVER (E) ASSY		128	*4-926-249-01	COLLAR	
110	4-926-246-01	RAIL		129	4-917-541-01	SPRING (B)	
111	*4-926-247-01	GUIDE		130	4-918-669-01	SPRING (W)	
112	4-926-248-01	ROLLER (P)		131	4-926-244-01	LEVER (EJECT)	
113	*4-920-297-01	SPRING (M)		132	4-926-201-01	SPRING (2), TENSION	
114	4-926-262-01	SHAFT (M)		133	4-923-532-01	LED SPACER	
115	7-682-147-01	SCREW +BVTT 3X6 (S)		909	*1-626-876-11	PC BOARD, TRANSLATION	
116	7-682-245-09	SCREW +K 3X4		910	*1-626-867-11	PC BOARD, M1 MOTOR	
117	7-685-103-19	SCREW +P 2X5 TYPE2 NON-SLIT		911	*1-626-871-11	PC BOARD, S1 SWITCH	
118	7-621-255-25	SCREW +BVTT 2X4 (S)		912	*1-626-866-11	PC BOARD, LED	
119	7-685-782-09	SCREW +PTT 2X5 (S)		M601	A-4608-356-A	ASSY MOTOR (PACK EJECT/LEVER OUT)	
				S602	1-554-205-00	SWITCH, PUSH (PST)	

5-4. MD(CDM10-5C)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
151	A-4675-265-A	GEAR ASSY		181	4-920-288-01	BELT	
152	4-926-211-01	BEARING		182	7-682-548-04	SCREW +BVTT 3X8 (S)	
153	*A-4675-264-A	SCREW ASSY		183	7-621-775-00	SCREW +B 2.6X3	
154	4-926-232-01	GEAR (S)		184	7-621-773-87	SCREW +BVTT 2.6X10 (S)	
155	4-887-175-00	RUBBER, STOPPER		185	7-682-147-01	SCREW +BVTT 3X6 (S)	
156	4-926-215-01	HOLDER		186	7-627-553-78	SCREW, PRECISION +P 2X10	
157	4-926-209-01	LEVER (STOP)		187	7-621-772-00	SCREW +B 2X3	
158	4-926-245-01	LEVER (P)		188	7-685-103-19	SCREW +P 2X5 TYPE2 NON-SLIT	
159	4-920-299-01	SPRING (LOCK)		189	7-624-106-04	STOP RING 3.0, TYPE -E	
160	*3-531-576-11	RIVET		190	X-4917-726-2	ESCUTCHEON (L) ASSY	
161	X-3329-518-1	ROLLER (UPPER) ASSY		191	7-688-002-03	W 2.6, SMALL	
162	4-926-264-01	SHAFT (P)		192	4-918-673-01	YOKE, CHUCKING	
163	4-926-214-01	SPRING (3), TENSION		193	A-4665-012-C	MAGNET ASSY	
164	A-4675-273-A	ROLLER ASSY, RUBBER		194	4-926-217-01	HOLDER (E6)	
165	4-926-235-01	GEAR (R3)		195	4-926-202-01	SPRING (4), TENSION	
166	4-926-241-02	HOLDER (E2)		196	4-926-203-01	SPRING (5), TENSION	
167	4-921-022-01	PULLEY, CHUCKING		197	4-926-590-01	HOLDER (S)	
168	3-323-231-02	ROLLER (LOWER)		913	*1-626-869-11	PC BOARD, M3 MOTOR	
169	A-4675-275-A	GEAR (R1) ASSY		914	*1-626-872-11	PC BOARD, S2 SWITCH	
170	4-926-234-01	GEAR (R2)		915	*1-626-873-11	PC BOARD, S3 SWITCH	
171	*X-4917-737-1	HOLDER (G) ASSY		916	*1-626-875-11	PC BOARD, HS SENSOR	
172	A-4675-276-A	GEAR ASSY, PLANET		917	1-626-870-11	PC BOARD, S0 SWITCH	
173	4-926-239-01	GEAR (R7)		918	*1-626-874-11	PC BOARD, S4 SWITCH	
174	7-624-105-04	STOP RING 2.3, TYPE -E		919	*1-626-868-11	PC BOARD, M2 MOTOR	
175	4-926-250-01	ROLLER (S)		M602	X-4308-360-A	ASSY MOTOR (SAVE/LOAD)	
176	4-926-238-01	GEAR (R6)		M603	X-4608-358-A	ASSY MOTOR (ELEVATOR UP/DOWN)	
177	4-920-289-01	SLIDER (B)		S601	1-554-205-00	SWITCH, PUSH (EJECT)	
178	4-920-298-01	SPRING (CLIP)		S603	1-554-205-00	SWITCH, PUSH (LOT)	
179	*X-4917-738-3	CHASSIS (E) ASSY		S604	1-554-205-00	SWITCH, PUSH (HOME)	
180	*A-4675-256-A	ARM ASSY		S605	1-570-886-11	SWITCH, MICRO (LOAD IN DET)	

5-5. OPTICAL PICK-UP BLOCK (BU-5C)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
201	4-917-565-01	SHAFT, SLED		920	△8-848-062-01	PICKUP, OPTICS KSS-150A	
202	4-917-562-01	INSULATOR		921	*1-626-304-11	PC BOARD, SL/SP MOTOR	
203	7-621-255-15	SCREW +P 2X3		CNJ101	*1-564-720-21	PIN, CONNECTOR (SMALL TYPE) 4P	
204	4-917-567-01	GEAR (M)		M101	X-4917-523-1	ASSY MOTOR (SPINDLE)	
205	4-917-564-01	GEAR (P), FLATNESS		M102	X-4917-504-1	ASSY MOTOR (SLED)	
				S101	1-571-274-11	SWITCH, LEAF (LIMIT)	

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

Note:
Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

MF: μ F, PF: μ μF.

RESISTORS

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORS

In each case, U: μ , for example:

UA....: μ A..., UPA....: μ PA...,
UPC....: μ PC, UPD....: μ PD...

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

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description			
901	*1-626-946-11	PC BOARD, MOTOR	C209	1-136-169-00	FILM	0.22MF	5%	50V
902	*1-626-945-11	PC BOARD, HEADPHONE JACK	C211	1-161-379-00	CERAMIC	0.01MF	20%	16V
903	*1-626-948-11	PC BOARD, POWER SWITCH	C212	1-123-875-11	ELECT	10MF	20%	50V
904	*A-4655-071-A	MOUNTED PCB, DISPLAY	C213	1-136-165-00	FILM	0.1MF	5%	50V
905	*1-626-943-11	PC BOARD, POWER TRANSFORMER	C214	1-123-382-00	ELECT	3.3MF	20%	50V
906	*A-4651-201-A	(AEP).....MOUNTED PCB, MAIN	C215	1-136-159-00	FILM	0.033MF	5%	50V
	*A-4651-202-A	(US).....MOUNTED PCB, MAIN	C216	1-136-165-00	FILM	0.1MF	5%	50V
	*A-4651-203-A	(Canadian)...MOUNTED PCB, MAIN	C217	1-162-282-31	CERAMIC	100PF	10%	50V
	*A-4651-204-A	(E).....MOUNTED PCB, MAIN	C218	1-126-233-11	ELECT	22MF	20%	25V
907	1-535-416-00	TERMINAL	C219	1-162-294-31	CERAMIC	0.001MF	10%	50V
908	Δ 1-551-478-00	(US, Canadian)...CORD, POWER	C220	1-126-233-11	ELECT	22MF	20%	25V
		(POLAR. SPT-2)	C221	1-124-927-11	ELECT	4.7MF	20%	50V
	Δ 1-551-188-XX	(E).....CORD, POWER	C222	1-130-479-00	MYLAR	0.0047MF	5%	50V
	Δ 1-555-795-00	(AEP).....CORD, POWER, EULO PLUG	C223	1-136-165-00	FILM	0.1MF	5%	50V
909	*1-626-876-11	PC BOARD, TRANSLATION	C224	1-124-499-11	ELECT	1MF	20%	50V
910	*1-626-867-11	PC BOARD, M1 MOTOR	C225	1-126-233-11	ELECT	22MF	20%	25V
911	*1-626-871-11	PC BOARD, S1 SWITCH	C301	1-161-379-00	CERAMIC	0.01MF	20%	16V
912	*1-626-866-11	PC BOARD, LED	C302	1-124-902-00	ELECT	0.47MF	20%	50V
913	*1-626-869-11	PC BOARD, M3 MOTOR	C303	1-136-159-00	FILM	0.033MF	5%	50V
914	*1-626-872-11	PC BOARD, S2 SWITCH	C304	1-126-233-11	ELECT	22MF	20%	25V
915	*1-626-873-11	PC BOARD, S3 SWITCH	C305	1-126-233-11	ELECT	22MF	20%	25V
916	*1-626-875-11	PC BOARD, HS SENSOR	C306	1-126-233-11	ELECT	22MF	20%	25V
917	*1-626-870-11	PC BOARD, S0 SWITCH	C307	1-161-379-00	CERAMIC	0.01MF	20%	16V
918	*1-626-874-11	PC BOARD, S4 SWITCH	C308	1-161-379-00	CERAMIC	0.01MF	20%	16V
919	*1-626-868-11	PC BOARD, M2 MOTOR	C311	1-126-233-11	ELECT	22MF	20%	25V
920	8-848-062-01	PICKUP, OPTICS KSS-150A	C312	1-126-233-11	ELECT	22MF	20%	25V
921	*1-626-304-11	PC BOARD, SL/SP MOTOR	C313	1-162-210-31	CERAMIC	30PF	5%	50V
C103	1-108-796-11	MYLAR	0.0022MF	5%	50V			
C102	1-124-443-00	ELECT	100MF	20%	6.3V			
C101	1-162-294-31	CERAMIC	0.001MF	10%	50V			
C104	1-108-796-11	MYLAR	0.0022MF	5%	50V			
C105	1-162-198-31	CERAMIC	8.2PF	10%	50V			
C106	1-126-233-11	ELECT	22MF	20%	25V			
C107	1-130-477-00	MYLAR	0.0033MF	5%	50V			
C108	1-136-159-00	FILM	0.033MF	5%	50V			
C109	1-126-233-11	ELECT	22MF	20%	25V			
C110	1-136-159-00	FILM	0.033MF	5%	50V			
C111	1-136-153-00	FILM	0.01MF	5%	50V			
C112	1-126-233-11	ELECT	22MF	20%	25V			
C113	1-161-375-00	CERAMIC	0.0022MF	20%	16V			
C114	1-161-377-00	CERAMIC	0.0047MF	30%	16V			
C115	1-124-902-00	ELECT	0.47MF	20%	50V			
C201	1-124-478-11	ELECT	100MF	20%	25V			
C202	1-124-478-11	ELECT	100MF	20%	25V			
C203	1-136-165-00	FILM	0.1MF	5%	50V			
C204	1-136-165-00	FILM	0.1MF	5%	50V			
C205	1-136-165-00	FILM	0.1MF	5%	50V			
C206	1-136-165-00	FILM	0.1MF	5%	50V			
C207	1-124-478-11	ELECT	100MF	20%	25V			
C208	1-124-478-11	ELECT	100MF	20%	25V			
C314	1-162-210-31	CERAMIC	30PF	5%	50V			
C315	1-130-471-00	MYLAR	0.001MF	5%	50V			
C316	1-136-169-00	FILM	0.22MF	5%	50V			
C317	1-124-499-11	ELECT	1MF	20%	50V			
C351	1-126-233-11	(EXCEPT US)..ELECT	22MF	20%	25V			
C352	1-162-282-11	(EXCEPT US)..CERAMIC	100PF	10%	50V			
C353	1-126-233-11	(EXCEPT US)..ELECT	22MF	20%	25V			
C401	1-126-233-11	ELECT	22MF	20%	25V			
C402	1-162-203-31	CERAMIC	15PF	5%	50V			
C403	1-162-203-31	CERAMIC	15PF	5%	50V			
C404	1-226-233-11	ELECT	22MF	20%	25V			
C405	1-126-176-11	ELECT	22OMF	20%	6.3V			
C406	1-126-176-11	ELECT	22OMF	20%	6.3V			
C451	1-161-494-00	CERAMIC	0.022MF		25V			
C452	1-161-494-00	CERAMIC	0.022MF		25V			
C453	1-161-494-00	CERAMIC	0.022MF		25V			
C454	1-161-494-00	CERAMIC	0.022MF		25V			
C455	1-161-494-00	CERAMIC	0.022MF		25V			
C456	1-161-494-00	CERAMIC	0.022MF		25V			

Ref.No.	Part No.	Description					Ref.No.	Part No.	Description
C457	1-162-851-11	CERAMIC	0.1MF	20%	16V	CNP101*1-564-706-31	PIN, CONNECTOR (SMALL TYPE) 4P		
C458	1-162-290-31	CERAMIC	470PF	10%	50V	CNP102*1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P		
C459	1-130-473-00	MYLAR	0.0015MF	5%	50V	CNP201*1-564-706-31	PIN, CONNECTOR (SMALL TYPE) 4P		
C460	1-126-103-11	ELECT	470MF	20%	16V	CNP202*1-564-706-31	PIN, CONNECTOR (SMALL TYPE) 4P		
C461	1-124-929-11	ELECT	22MF	20%	63V	CNP301*1-506-503-11	PIN, CONNECTOR 9P		
C462	1-136-158-00	FILM	0.027MF	5%	50V	CNP302*1-564-340-00	PIN, CONNECTOR 6P		
C463	1-130-471-00	MYLAR	0.001MF	5%	50V	CNP401*1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P		
C551	1-161-494-00	CERAMIC	0.022MF		25V	CNP402*1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P		
C552	1-161-494-00	CERAMIC	0.022MF		25V	CNP403*1-564-336-00	PIN, CONNECTOR 2P		
C553	1-161-494-00	CERAMIC	0.022MF		25V	CNP601*1-564-495-11	PIN, CONNECTOR 2P		
C554	1-161-494-00	CERAMIC	0.022MF		25V	CNP602*1-564-495-11	PIN, CONNECTOR 2P		
C555	1-161-494-00	CERAMIC	0.022MF		25V	CNP603 1-564-519-11	PLUG, CONNECTOR 4P		
C556	1-161-494-00	CERAMIC	0.022MF		25V	CNP604*1-564-495-11	PIN, CONNECTOR 2P		
C557	1-162-851-11	CERAMIC	0.1MF	20%	16V	CNP605*1-564-497-11	PIN, CONNECTOR 4P		
C559	1-130-473-00	MYLAR	0.0015MF	5%	50V	CNP606*1-564-495-11	PIN, CONNECTOR 2P		
C560	1-126-103-11	ELECT	470MF	20%	16V	CNP607*1-564-495-11	PIN, CONNECTOR 2P		
C561	1-124-929-11	ELECT	22MF	20%	63V	CNP608*1-564-336-71	PIN, CONNECTOR 2P		
C562	1-136-158-00	FILM	0.027MF	5%	50V	CNP609*1-564-336-81	PIN, CONNECTOR 2P		
C563	1-130-471-00	MYLAR	0.001MF	5%	50V	CNP610*1-564-496-11	PIN, CONNECTOR 3P		
C601	1-136-165-00	FILM	0.1MF	5%	50V	CNP611 1-564-519-11	PLUG, CONNECTOR 4P		
C602	1-136-165-00	FILM	0.1MF	5%	50V	CNP703*1-564-337-00	PIN, CONNECTOR 3P		
C603	1-136-165-00	FILM	0.1MF	5%	50V	CNP801*1-564-666-11	PIN, CONNECTOR 10P		
C701	1-124-472-11	ELECT	470MF	20%	10V	CNP802*1-564-340-61	PIN, CONNECTOR 6P		
C702	1-162-851-11	CERAMIC	0.1MF	20%	16V	CNP803*1-564-341-11	PIN, CONNECTOR 7P		
C703	1-162-290-31	CERAMIC	470PF	10%	50V	CNP901*1-564-511-11	PLUG, CONNECTOR 8P		
C705	1-124-443-00	ELECT	100MF	20%	10V	D101 8-719-940-76	DIODE 1SS132		
C706	1-124-443-00	ELECT	100MF	20%	10V	D301 8-719-933-57	DIODE HZS9B2L		
C751	1-124-472-11	ELECT	470MF	20%	10V	D302 8-719-933-57	DIODE HZS9B2L		
C753	1-162-290-31	CERAMIC	470PF	10%	50V	D303 8-719-933-57	DIODE HZS9B2L		
C801	1-162-207-31	CERAMIC	22PF	5%	50V	D304 8-719-933-36	DIODE HZS6B1L		
C802	1-162-207-31	CERAMIC	22PF	5%	50V	D305 8-719-940-76	DIODE 1SS132		
C803	1-161-379-00	CERAMIC	0.01MF	20%	16V	D306 8-719-940-76	DIODE 1SS132		
C804	1-123-661-00	ELECT	100MF	20%	6.3V	D401 8-719-940-76	DIODE 1SS132		
C901	1-124-887-00	ELECT	3300MF	20%	16V	D601 8-719-107-82	DIODE SE303AY		
C902	1-124-898-11	ELECT	4700MF	20%	16V	D602 8-719-107-82	DIODE SE303AY		
C903	1-123-875-11	ELECT	10MF	20%	50V	D801 8-719-949-37	DIODE AY3638S		
C904	1-123-875-11	ELECT	10MF	20%	50V	D901 8-719-200-02	DIODE 10E2		
C905	1-124-472-11	ELECT	470MF	20%	10V	D902 8-719-200-02	DIODE 10E2		
C906	1-124-472-11	ELECT	470MF	20%	10V	D903 8-719-200-02	DIODE 10E2		
C908	1-126-244-51	ELECT	47000MF		5.5V	D904 8-719-200-02	DIODE 10E2		
C909	1-126-103-11	ELECT	470MF	20%	16V	D905 8-719-940-76	DIODE 1SS132		
C910	1-124-564-11	ELECT	4700MF	20%	25V	D906 8-719-940-76	DIODE 1SS132		
C911	1-124-572-11	ELECT	100MF	20%	63V	D907 8-719-200-02	DIODE 10E2		
C912	1-124-122-11	ELECT	100MF	20%	50V	D908 8-719-200-02	DIODE 10E2		
C913	1-124-927-11	ELECT	4.7MF	20%	50V	D910 8-719-940-76	DIODE 1SS132		
C914	1-124-927-11	ELECT	4.7MF	20%	50V	D911 8-719-928-81	DIODE HZS4.3NB2		
C915	1-124-122-11	ELECT	100MF	20%	50V	D912 8-719-933-57	DIODE HZS9B2L		
C916	1-124-122-11	ELECT	100MF	20%	50V	D913 8-719-940-76	DIODE 1SS132		
C917	1-124-122-11	ELECT	100MF	20%	50V	D914 8-719-200-02	DIODE 10E2		
C918	1-124-912-11	ELECT	330MF	20%	50V	D915 8-719-200-02	DIODE 10E2		
C919	1-124-499-11	ELECT	1MF	20%	50V	D916 8-719-200-02	DIODE 10E2		
C920	1-162-290-31	CERAMIC	470PF	10%	50V	D917 8-719-200-02	DIODE 10E2		
C921	1-124-927-11	ELECT	4.7MF	20%	50V	D918 8-719-940-76	DIODE 1SS132		
C951	△1-162-599-12	CERAMIC	0.0047MF	20%	400V	D919 8-719-940-76	DIODE 1SS132		
CNJ101*1-564-720-21		PIN, CONNECTOR (SMALL TYPE) 4P				D920 8-719-940-76	DIODE 1SS132		
CNJ351 1-566-922-11		(EXCEPT US).....JACK, PIN 4P (DIGITAL OUTPUT)				FLD801 1-519-456-11	INDICATOR TUBE, FLUORESCENT		
CNJ451 1-566-817-11		JACK, PIN 4P (LINE OUTPUT)							



Ref.No.	Part No.	Description
IC101	8-752-031-80	IC CXA1081S
IC201	8-759-803-42	IC LA6500-FA
IC202	8-759-805-18	IC LA6520
IC203	8-752-032-33	IC CXA1182S
IC301	8-759-947-02	IC CXD1125Q
IC302	8-752-320-44	IC CXX5816M-10L
IC303	8-759-630-87	IC M5074 0A-42 5SP
IC304	8-759-820-64	IC LC9600R-183
IC305	8-759-630-79	IC M50747-44 3SP
IC306	8-759-802-32	IC LB1649
IC307	8-759-802-32	IC LB1649
IC308	8-759-220-04	IC TC40H004P
IC351	8-759-605-44	(EXCEPT US).....IC M74HC6004P
IC401	8-759-939-35	IC CXD1088Q
IC402	8-759-939-94	IC TDA1541-N5
IC403	8-759-601-02	IC M5218P
IC701	8-759-700-74	IC NJM4556S
IC801	8-752-805-41	IC CXP5058H-094Q
IC802	8-749-920-03	IC GP1U52
IC901	8-759-630-21	IC M5290P-16
IC902	8-759-602-02	IC M5219P
IC903	8-759-602-66	IC M5230L-A
J701	1-563-485-21	JACK, LARGE TYPE (HEADPHONES)
L351	*1-410-858-11	(EXCEPT US).....INDUCTOR, SMALL TYPE
M101	X-4917-523-1	ASSY MOTOR (SPINDLE)
M102	X-4917-504-1	ASSY MOTOR (SLED)
M601	A-4608-356-A	ASSY MOTOR (PACK EJECT/LEVER OUT)
M602	A-4608-360-A	ASSY MOTOR (SAVE/LOAD)
M603	A-4608-358-A	ASSY MOTOR (ELEVATOR UP/DOWN)
PS201-PS204	△ 1-532-675-00	(AEP,E)...LINK, IC
PS901-PS903	△ 1-532-675-00	(AEP,E)...LINK, IC
PS904,PS905	△ 1-532-685-00	(AEP,E)...LINK, IC
PT901	△ 1-449-320-11	(US,Canadian).....TRANSFORMER, POWER
	△ 1-449-321-11	(AEP).....TRANSFORMER, POWER
	△ 1-449-322-11	(E).....TRANSFORMER, POWER
Q101	8-729-103-43	TRANSISTOR 2SB734
Q201	8-729-806-28	TRANSISTOR 2SC3402
Q202	8-729-806-38	TRANSISTOR 2SC3399
Q401	8-729-806-20	TRANSISTOR 2SA1345
Q402	8-729-806-20	TRANSISTOR 2SA1345
Q403	8-729-806-38	TRANSISTOR 2SC3399
Q450	8-729-107-99	TRANSISTOR 2SC3622A-K
Q451	8-729-806-32	TRANSISTOR 2SC3860
Q452	8-729-806-32	TRANSISTOR 2SC3860
Q550	8-729-107-99	TRANSISTOR 2SC3622A-K
Q551	8-729-806-32	TRANSISTOR 2SC3860
Q552	8-729-806-32	TRANSISTOR 2SC3860
Q601	8-719-941-80	TRANSISTOR GP1S53
Q602	8-729-904-10	TRANSISTOR PT360FS
Q603	8-729-904-10	TRANSISTOR PT360FS
Q801	8-729-902-11	TRANSISTOR 2SC2021
Q802	8-729-806-28	TRANSISTOR 2SC3402
Q901	8-729-808-76	TRANSISTOR 2SD1913SA
Q902	8-729-820-15	TRANSISTOR 2SB1274-RS
Q903	8-729-103-43	TRANSISTOR 2SB734
Q904	8-729-806-38	TRANSISTOR 2SC3399
Q905	8-729-806-38	TRANSISTOR 2SC3399
Q906	8-729-806-38	TRANSISTOR 2SC3399
Q907	8-729-806-20	TRANSISTOR 2SA1345
Q908	8-729-802-22	TRANSISTOR 2SB1014
Q909	8-729-806-20	TRANSISTOR 2SA1345


Ref.No.	Part No.	Description			
R101	1-247-806-11	CARBON	91	5%	1/4W
R102	1-214-092-00	METAL	22	1%	1/4W
R103	1-249-417-11	CARBON	1K	5%	1/4W
R104	1-249-433-11	CARBON	22K	5%	1/4W
R105	1-249-421-11	CARBON	2.2K	5%	1/4W
R106	1-249-428-11	CARBON	8.2K	5%	1/4W
R107	1-247-860-11	CARBON	16K	5%	1/4W
R108	1-249-425-11	CARBON	4.7K	5%	1/4W
R109	1-249-425-11	CARBON	4.7K	5%	1/4W
R110	1-249-432-11	CARBON	18K	5%	1/4W
R111	1-249-432-11	CARBON	18K	5%	1/4W
R112	1-249-441-11	CARBON	100K	5%	1/4W
R201	1-249-436-11	CARBON	39K	5%	1/4W
R202	1-249-437-11	CARBON	47K	5%	1/4W
R203	1-249-385-11	CARBON	2.2	5%	1/4W
R204	1-249-393-11	CARBON	10	5%	1/4W
R205	1-249-393-11	CARBON	10	5%	1/4W
R206	1-249-393-11	CARBON	10	5%	1/4W
R207	1-249-438-11	CARBON	56K	5%	1/4W
R208	1-249-424-11	CARBON	3.9K	5%	1/4W
R209	1-249-425-11	CARBON	4.7K	5%	1/4W
R210	1-249-429-11	CARBON	10K	5%	1/4W
R211	1-249-423-11	CARBON	3.3K	5%	1/4W
R212	1-247-882-11	CARBON	130K	5%	1/4W
R213	1-247-896-11	CARBON	510K	5%	1/4W
R214	1-249-435-11	CARBON	33K	5%	1/4W
R215	1-247-889-00	CARBON	270K	5%	1/4W
R216	1-249-440-11	CARBON	82K	5%	1/4W
R217	1-249-441-11	CARBON	100K	5%	1/4W
R218	1-215-434-00	METAL	3.6K	1%	1/6W
R219	1-249-441-11	CARBON	100K	5%	1/4W
R220	1-249-433-11	CARBON	22K	5%	1/4W
R221	1-249-414-11	CARBON	560	5%	1/4W
R222	1-249-429-11	CARBON	10K	5%	1/4W
R301	1-215-469-00	METAL	100K	1%	1/6W
R302	1-215-469-00	METAL	100K	1%	1/6W
R303	1-249-429-11	CARBON	10K	5%	1/4W
R304	1-249-441-11	CARBON	100K	5%	1/4W
R305	1-249-429-11	CARBON	10K	5%	1/4W
R306	1-249-433-11	CARBON	22K	5%	1/4W
R307	1-249-417-11	CARBON	1K	5%	1/4W
R308	1-247-903-00	CARBON	1M	5%	1/4W
R309	1-249-437-11	CARBON	47K	5%	1/4W
R310	1-247-891-00	CARBON	330K	5%	1/4W
R311	1-249-437-11	CARBON	47K	5%	1/4W
R312	1-247-903-00	CARBON	1M	5%	1/4W
R313	1-249-437-11	CARBON	47K	5%	1/4W
R314	1-247-903-00	CARBON	1M	5%	1/4W
R315	1-249-429-11	CARBON	10K	5%	1/4W
R316	1-249-433-11	CARBON	22K	5%	1/4W
R317	1-249-433-11	CARBON	22K	5%	1/4W
R318	1-247-903-00	CARBON	1M	5%	1/4W
R319	1-247-903-00	CARBON	1M	5%	1/4W
R320	1-249-429-11	CARBON	10K	5%	1/4W
R322	1-249-429-11	CARBON	10K	5%	1/4W
R323	1-249-429-11	CARBON	10K	5%	1/4W
R324	1-249-429-11	CARBON	10K	5%	1/4W

<p>Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.</p>	<p>Note: Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p>
--	--

Ref.No.	Part No.	Description				
R325	1-249-429-11	CARBON	10K	5%	1/4W	
R326	1-249-429-11	CARBON	10K	5%	1/4W	
R327	1-249-429-11	CARBON	10K	5%	1/4W	
R328	1-249-429-11	CARBON	10K	5%	1/4W	
R329	1-249-429-11	CARBON	10K	5%	1/4W	
R330	1-249-411-11	CARBON	330	5%	1/4W	
R331	1-249-411-11	CARBON	330	5%	1/4W	
R332	1-249-411-11	CARBON	330	5%	1/4W	
R333	1-249-411-11	CARBON	330	5%	1/4W	
R334	1-249-429-11	CARBON	10K	5%	1/4W	
R340	1-249-429-11	CARBON	10K	5%	1/4W	
R341	1-249-429-11	CARBON	10K	5%	1/4W	
R342	1-249-429-11	CARBON	10K	5%	1/4W	
R343	1-249-429-11	CARBON	10K	5%	1/4W	
R344	1-249-429-11	CARBON	10K	5%	1/4W	
R345	1-249-417-11	(EXCEPT US)..CARBON	1K	5%	1/4W	
R346	1-249-429-11	CARBON	10K	5%	1/4W	
R347	1-249-429-11	CARBON	10K	5%	1/4W	
R349	1-247-891-00	CARBON	330K	5%	1/4W	
R350	1-247-883-00	CARBON	150K	5%	1/4W	
R351	1-249-412-11	(EXCEPT US)..CARBON	390	5%	1/4W	
R352	1-247-806-11	(EXCEPT US)..CARBON	91	5%	1/4W	
R401	1-249-411-11	CARBON	330	5%	1/4W	
R402	1-249-417-11	CARBON	1K	5%	1/4W	
R403	1-249-417-11	CARBON	1K	5%	1/4W	
R404	1-249-417-11	CARBON	1K	5%	1/4W	
R405	1-249-441-11	CARBON	100K	5%	1/4W	
R406	1-249-441-11	CARBON	100K	5%	1/4W	
R450	1-249-421-11	CARBON	2.2K	5%	1/4W	
R451	1-247-891-00	CARBON	330K	5%	1/4W	
R452	1-249-415-11	CARBON	680	5%	1/4W	
R453	1-249-415-11	CARBON	680	5%	1/4W	
R454	1-249-425-11	CARBON	4.7K	5%	1/4W	
R455	1-249-413-11	CARBON	470	5%	1/4W	
R456	1-247-903-00	CARBON	1M	5%	1/4W	
R457	1-249-415-11	CARBON	680	5%	1/4W	
R458	1-249-413-11	CARBON	470	5%	1/4W	
R459	1-249-399-11	CARBON	33	5%	1/4W	
R460	1-249-413-11	CARBON	470	5%	1/4W	
R550	1-249-421-11	CARBON	2.2K	5%	1/4W	
R551	1-247-891-00	CARBON	330K	5%	1/4W	
R552	1-249-415-11	CARBON	680	5%	1/4W	
R553	1-249-415-11	CARBON	680	5%	1/4W	
R554	1-249-425-11	CARBON	4.7K	5%	1/4W	
R555	1-249-413-11	CARBON	470	5%	1/4W	
R556	1-247-903-00	CARBON	1M	5%	1/4W	
R557	1-249-415-11	CARBON	680	5%	1/4W	
R558	1-249-413-11	CARBON	470	5%	1/4W	
R559	1-249-399-11	CARBON	33	5%	1/4W	
R560	1-249-413-11	CARBON	470	5%	1/4W	
R601	1-247-800-11	CARBON	51	5%	1/4W	
R602	1-249-409-11	CARBON	220	5%	1/4W	
R701	1-249-435-11	CARBON	33K	5%	1/4W	
R702	1-249-426-11	CARBON	5.6K	5%	1/4W	
R703	1-249-423-11	CARBON	3.3K	5%	1/4W	
R704	1-249-438-11	CARBON	56K	5%	1/4W	
R705	1-249-402-11	CARBON	56	5%	1/4W	
R751	1-249-435-11	CARBON	33K	5%	1/4W	

Ref.No.	Part No.	Description				
R752	1-249-426-11	CARBON	5.6K	5%	1/4W	
R753	1-249-423-11	CARBON	3.3K	5%	1/4W	
R754	1-249-438-11	CARBON	56K	5%	1/4W	
R755	1-249-402-11	CARBON	56	5%	1/4W	
R801	1-249-422-11	CARBON	2.7K	5%	1/4W	
R802	1-249-422-11	CARBON	2.7K	5%	1/4W	
R803	1-249-422-11	CARBON	2.7K	5%	1/4W	
R804	1-249-422-11	CARBON	2.7K	5%	1/4W	
R805	1-249-422-11	CARBON	2.7K	5%	1/4W	
R806	1-249-422-11	CARBON	2.7K	5%	1/4W	
R807	1-249-422-11	CARBON	2.7K	5%	1/4W	
R808	1-249-422-11	CARBON	2.7K	5%	1/4W	
R809	1-249-424-11	CARBON	3.9K	5%	1/4W	
R810	1-249-424-11	CARBON	3.9K	5%	1/4W	
R811	1-249-424-11	CARBON	3.9K	5%	1/4W	
R812	1-249-424-11	CARBON	3.9K	5%	1/4W	
R813	1-249-424-11	CARBON	3.9K	5%	1/4W	
R814	1-249-424-11	CARBON	3.9K	5%	1/4W	
R815	1-249-424-11	CARBON	3.9K	5%	1/4W	
R816	1-249-424-11	CARBON	3.9K	5%	1/4W	
R817	1-249-427-11	CARBON	6.8K	5%	1/4W	
R818	1-249-427-11	CARBON	6.8K	5%	1/4W	
R819	1-249-427-11	CARBON	6.8K	5%	1/4W	
R820	1-249-427-11	CARBON	6.8K	5%	1/4W	
R821	1-249-427-11	CARBON	6.8K	5%	1/4W	
R822	1-249-427-11	CARBON	6.8K	5%	1/4W	
R823	1-249-427-11	CARBON	6.8K	5%	1/4W	
R824	1-249-427-11	CARBON	6.8K	5%	1/4W	
R825	1-249-432-11	CARBON	18K	5%	1/4W	
R826	1-249-432-11	CARBON	18K	5%	1/4W	
R827	1-249-432-11	CARBON	18K	5%	1/4W	
R828	1-249-432-11	CARBON	18K	5%	1/4W	
R829	1-249-432-11	CARBON	18K	5%	1/4W	
R830	1-249-432-11	CARBON	18K	5%	1/4W	
R831	1-249-432-11	CARBON	18K	5%	1/4W	
R832	1-249-432-11	CARBON	18K	5%	1/4W	
R833	1-249-429-11	CARBON	10K	5%	1/4W	
R834	1-249-429-11	CARBON	10K	5%	1/4W	
R835	1-249-429-11	CARBON	10K	5%	1/4W	
R836	1-249-429-11	CARBON	10K	5%	1/4W	
R837	1-247-887-00	CARBON	220K	5%	1/4W	
R838	1-249-429-11	CARBON	10K	5%	1/4W	
R839	1-249-429-11	CARBON	10K	5%	1/4W	
R840	1-249-429-11	CARBON	10K	5%	1/4W	
R841	1-249-429-11	CARBON	10K	5%	1/4W	
R842	1-249-429-11	CARBON	10K	5%	1/4W	
R843	1-249-429-11	CARBON	10K	5%	1/4W	
R844	1-249-429-11	CARBON	10K	5%	1/4W	
R845	1-249-429-11	CARBON	10K	5%	1/4W	
R846	1-249-407-11	CARBON	150	5%	1/4W	
R901	1-249-425-11	CARBON	4.7K	5%	1/4W	
R902	1-249-425-11	CARBON	4.7K	5%	1/4W	
R903	1-249-423-11	CARBON	3.3K	5%	1/4W	
R905	1-249-405-11	CARBON	100	5%	1/4W	
R906	1-247-708-11	CARBON	470	5%	1/4W	
R907	1-249-417-11	CARBON	1K	5%	1/4W	
R908	△1-212-857-00	FUSIBLE	10	5%	1/4W	F

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

Note:
 Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description
R909	1-249-434-11	CARBON 27K 5% 1/4W
R910	1-247-848-11	CARBON 5.1K 5% 1/4W
R911	1-249-429-11	CARBON 10K 5% 1/4W
R912	1-247-903-00	CARBON 1M 5% 1/4W
R913	1-247-864-11	CARBON 24K 5% 1/4W
R914	1-249-423-11	CARBON 3.3K 5% 1/4W
R915	1-249-431-11	CARBON 15K 5% 1/4W
R916	1-249-431-11	CARBON 15K 5% 1/4W
R917	1-249-414-11	CARBON 560 5% 1/4W
R918	1-249-425-11	CARBON 4.7K 5% 1/4W
RV101	1-228-995-00	RES, ADJ, CARBON 22K
RV102	1-228-995-00	RES, ADJ, CARBON 22K
RV103	1-228-995-00	RES, ADJ, CARBON 22K
RV104	1-228-993-00	RES, ADJ, CARBON 4.7K
RV201	1-228-990-00	RES, ADJ, METAL GLAZE 1K
RV701	1-237-874-31	RES, VAR, CARBON (MOTOR) 10K/10K (LINE OUT PHONE LEVEL)
S101	1-571-274-11	SWITCH, LEAF (LIMIT)
S601	1-554-205-00	SWITCH, PUSH (EJECT)
S602	1-554-205-00	SWITCH, PUSH (PST)
S603	1-554-205-00	SWITCH, PUSH (LOT)
S604	1-554-205-00	SWITCH, PUSH (HOME)
S605	1-570-886-11	SWITCH, MICRO (LOAD IN DET)
S801	1-554-303-21	SWITCH, KEY BOARD (DISC 1)
S802	1-554-303-21	SWITCH, KEY BOARD (DISC 2)
S803	1-554-303-21	SWITCH, KEY BOARD (DISC 3)
S804	1-554-303-21	SWITCH, KEY BOARD (DISC 4)
S805	1-554-303-21	SWITCH, KEY BOARD (DISC 5)
S806	1-554-303-21	SWITCH, KEY BOARD (DISC 6)
S807	1-554-303-21	SWITCH, KEY BOARD (DISC 7)
S808	1-554-303-21	SWITCH, KEY BOARD (DISC 8)
S809	1-554-303-21	SWITCH, KEY BOARD (DISC 9)
S810	1-554-303-21	SWITCH, KEY BOARD (DISC 10)
S811	1-554-303-21	SWITCH, KEY BOARD (TRACK 1)
S812	1-554-303-21	SWITCH, KEY BOARD (TRACK 2)
S813	1-554-303-21	SWITCH, KEY BOARD (TRACK 3)
S814	1-554-303-21	SWITCH, KEY BOARD (TRACK 4)
S815	1-554-303-21	SWITCH, KEY BOARD (TRACK 5)
S816	1-554-303-21	SWITCH, KEY BOARD (TRACK 6)
S817	1-554-303-21	SWITCH, KEY BOARD (TRACK 7)
S818	1-554-303-21	SWITCH, KEY BOARD (TRACK 8)
S819	1-554-303-21	SWITCH, KEY BOARD (TRACK 9)
S820	1-554-303-21	SWITCH, KEY BOARD (TRACK 10)
S821	1-554-303-21	SWITCH, KEY BOARD (EJECT)
S822	1-554-303-21	SWITCH, KEY BOARD (TIME)
S823	1-554-303-21	SWITCH, KEY BOARD (PLAY MODE PROGRAM)
S824	1-554-303-21	SWITCH, KEY BOARD (PLAY MODE SHUFFLE)

Ref.No.	Part No.	Description
S825	1-554-303-21	SWITCH, KEY BOARD (PLAY MODE CONTINUE)
S826	1-554-303-21	SWITCH, KEY BOARD (PROGRAM BANK SELECT)
S827	1-554-303-21	SWITCH, KEY BOARD (FILE)
S828	1-554-303-21	SWITCH, KEY BOARD (ERASE)
S829	1-554-303-21	SWITCH, KEY BOARD (CHECK)
S830	1-554-303-21	SWITCH, KEY BOARD (CLEAR)
S831	1-554-303-21	SWITCH, KEY BOARD (
S832	1-554-303-21	SWITCH, KEY BOARD (
S833	1-554-303-21	SWITCH, KEY BOARD (+10)
S834	1-554-303-21	SWITCH, KEY BOARD (A.PAUSE/SPACE)
S835	1-554-303-21	SWITCH, KEY BOARD (REPEAT)
S836	1-554-303-21	SWITCH, KEY BOARD (
S837	1-554-303-21	SWITCH, KEY BOARD (
S838	1-554-303-21	SWITCH, KEY BOARD (
S839	1-554-303-21	SWITCH, KEY BOARD (AMS)
S840	1-554-303-21	SWITCH, KEY BOARD (AMS)
S851	1-571-305-11	SWITCH, PUSH (1 KEY)(POWER)
S852	1-554-481-00	SWITCH, SLIDE (TIMER)
S951	1-571-309-11	(E).....SWITCH (VOLTAGE SELECTOR)
X301	1-567-132-00	VIBLATOR, CERAMIC (8MHz)
X302	1-567-686-11	OSCILLATOR, CERAMIC (4MHz)
X401	1-567-926-11	VIBRATOR, CRYSTAL (16MHz)
X801	1-567-192-11	OSCILLATOR, CERAMIC (4MHz)

ACCESSORY & PACKING MATERIAL

1-465-022-11	REMOTE COMMANDER (RM-D105)
1-526-564-00	(E).....AC PLCG ADAPTOR
1-558-543-11	CORD, CONNECTION
2-326-445-01	BAG, POLYETHYLENE
3-703-390-01	(US)....INSTRUCTION
3-786-228-11	(AEP, E).....MANUAL, INSTRUCTION
3-786-228-21	(US, Canadian)....MANUAL, INSTRUCTION
3-786-228-41	(AEP).....MANUAL, INSTRUCTION
3-786-228-31	(Canadian)...MANUAL, INSTRUCTION
*3-795-629-11	(AEP).....INSTRUCTION
*4-885-838-00	(AEP).....LABEL, CLASS 1
*4-926-313-11	INDIVIDUAL CARTON
*4-926-314-01	CUSHION (UPPER)
*4-926-315-01	CUSHION (LOWER)
7-685-103-19	SCREW +P 2X5 TYPE2 NON-SLIT
7-685-105-19	TAPPING +P 2X8 NON-SLIT
A-4675-162-B	MAGAZINE ASSY
X-2114-001-1	HOLDER ASSY, CD BOOKLET