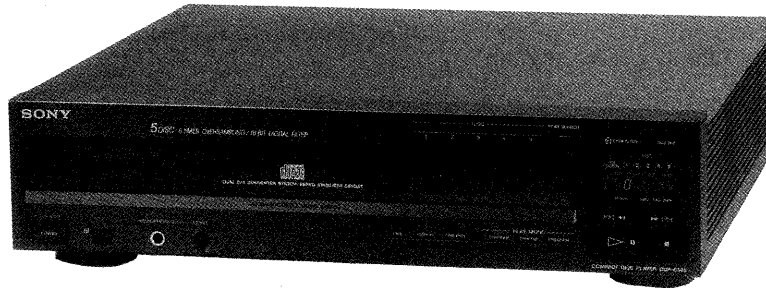


CDP-C505

SERVICE MANUAL

US Model
Canadian Model



Model Name Using Similar Mechanism	CDP-190/390
Optical Pick-up Block Type	BU-5BD3

SPECIFICATIONS

System	Compact disc digital audio system
Laser	Semiconductor laser ($\lambda = 780 \text{ nm}$) Emission duration: continuous
Laser output	Max. $44.6 \mu\text{W}^*$ * This output is the value measured at a distance of about 200 mm from the objective lens surface on the Optical Pick-up Block.
Frequency response	2 Hz - 20 kHz ($\pm 0.5 \text{ dB}$)
Signal to noise ratio	More than 100 dB
Dynamic range	More than 93 dB
Harmonic distortion	Less than 0.01% (1 kHz)
Channel separation	More than 95 dB (1 kHz)
Wow and flutter	Below measurable limit
Outputs	LINE OUT (phono jacks) Output level 2 V (at 50 kilohms) Load impedance over 10 kilohms PHONES (stereo phone jack) Output level 0 - 10 mW (variable) (at 32 ohms)

General

Power requirements	120 V AC, 60 Hz
Power consumption	11 W
Dimensions	Approx. $430 \times 110 \times 385 \text{ mm}$ (w/h/d) ($17 \times 4\frac{3}{8} \times 15\frac{1}{4}$ inches) not including projecting parts and controls
Weight	Approx. 4.9 kg (10 lbs 13 oz), net

Supplied accessories

Audio signal connecting cord
(phono plug \times 2 \leftrightarrow phono plug \times 2) (1)
Remote commander (1)
R6 (Size AA) batteries (2)
Operating Manual (1)

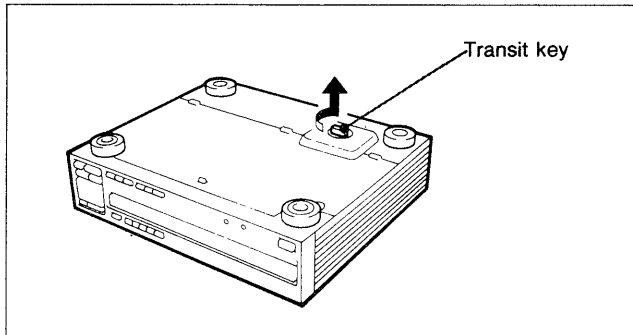
Design and specifications subject to change without notice.





COMPACT DISC PLAYER
SONY[®]


Note on the Transit Key

The white transit key on the bottom exterior of the unit protects the optical system against shock during transportation. Before operating the CD player, be sure to remove the key by following the instructions on the label, and store it in a safe place. When transporting the unit, replace the key in its original hole and lock it in place.



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.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE  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.

SAFETY CHECK-OUT

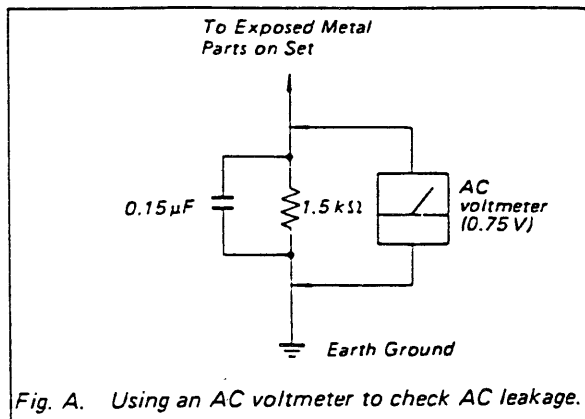
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

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 2 V AC range are suitable. (See Fig. A)



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 Power: less than 44.6 μW *
 - * This output is the value measured at a distance of 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).

SERVICING NOTE

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

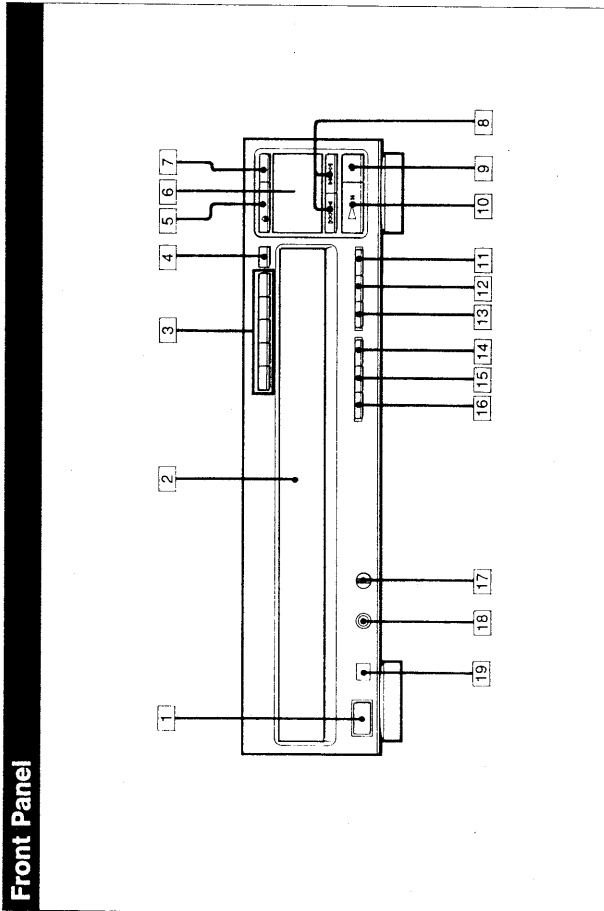
The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

TABLE OF CONTENTS

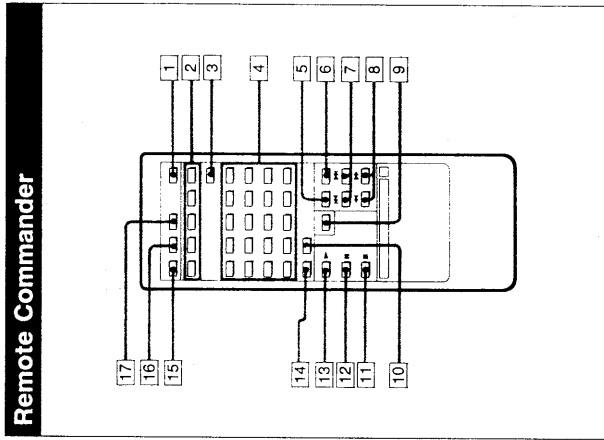
<u>Section</u>	<u>Title</u>	<u>Page</u>	<u>Section</u>	<u>Title</u>	<u>Page</u>
1. GENERAL			5. EXPLODED VIEWS		
1-1.	Location of Controls	4	5-1.	Cabinet Section	19
2. DISASSEMBLY			5-2.	Disk Table Section	20
2-1.	Front Panel, Case and Bottomplate	5	5-3.	Frame Section	21
2-2.	Disk Table	5	5-4.	Optical Pick-up Block	22
2-3.	Optical Pick-up Block	5	6. ELECTRICAL PARTS LIST		23
3. ELECTRICAL ADJUSTMENT		6			
4. DIAGRAMS					
4-1.	Circuit Boards Location	8			
4-2.	Semiconductor Lead Layout	8			
4-3.	Printed Wiring Boards	9			
4-4.	Schematic Diagram	13			

SECTION 1
GENERAL

1-1. LOCATION OF CONTROLS



- 1 POWER switch
- 2 Disc tray
- 3 DISC 1 - 5 buttons
- 4 PEAK SEARCH button
- 5 OPEN/CLOSE button
- 6 Display window
- 7 DISC SKIP button
- 8 (stop) button
- 9 (play/pause) button
- 10 PROGRAM button



- 1 MUSIC SCAN button
- 2 DISC 1 - 5 buttons
- 3 DISC SKIP button
- 4 Numeric buttons
- 5 TIME button
- 6 REPEAT button
- 7 (AMS*) buttons
- 8 (manual search) buttons
- 9 FADER button
- 10 CHECK button
- 11 (stop) button
- 12 (pause) button
- 13 (play) button
- 14 >20 (over, 20) button
- 15 CONTINUE button
- 16 SHUFFLE button
- 17 PGM (program) button

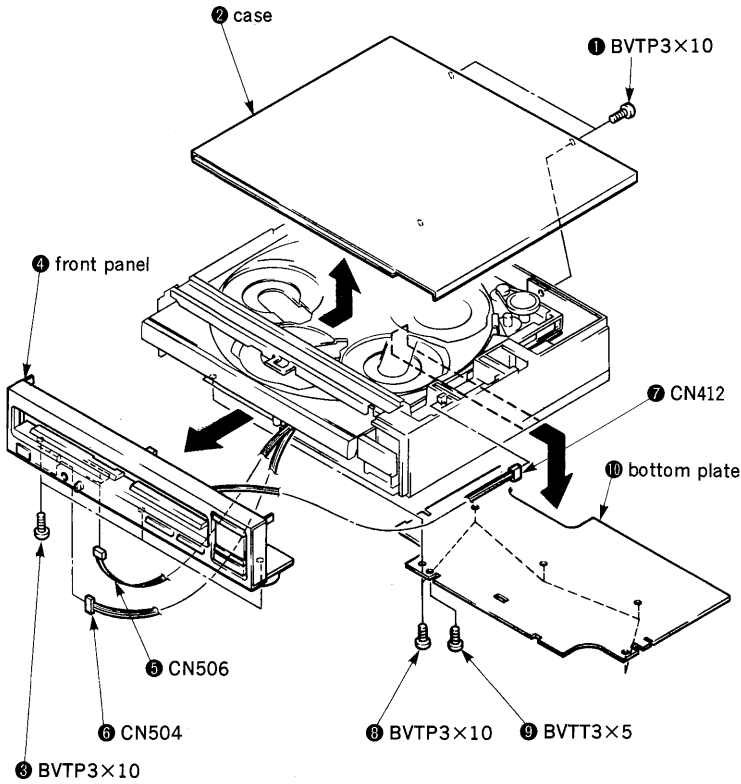
- 12 SHUFFLE button
- 13 CONTINUE button
- 14 TIME FADE button
- 15 REPEAT button
- 16 TIME button
- 17 (headphones) LEVEL control
- 18 HEADPHONES jack
- 19 Remote sensor

* AMS is the abbreviation of Automatic Music Sensor.
 ** RMS is the abbreviation of Random Music Sensor.

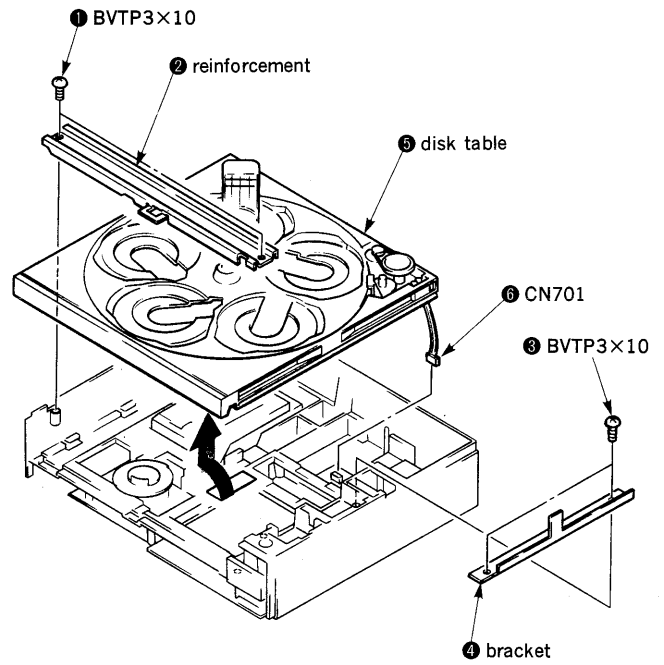
SECTION 2 DIASSEMBLY

Note : Follow the disassembly procedure in numerical order given.

2-1. FRONT PANEL, CASE AND BOTTOM PLATE

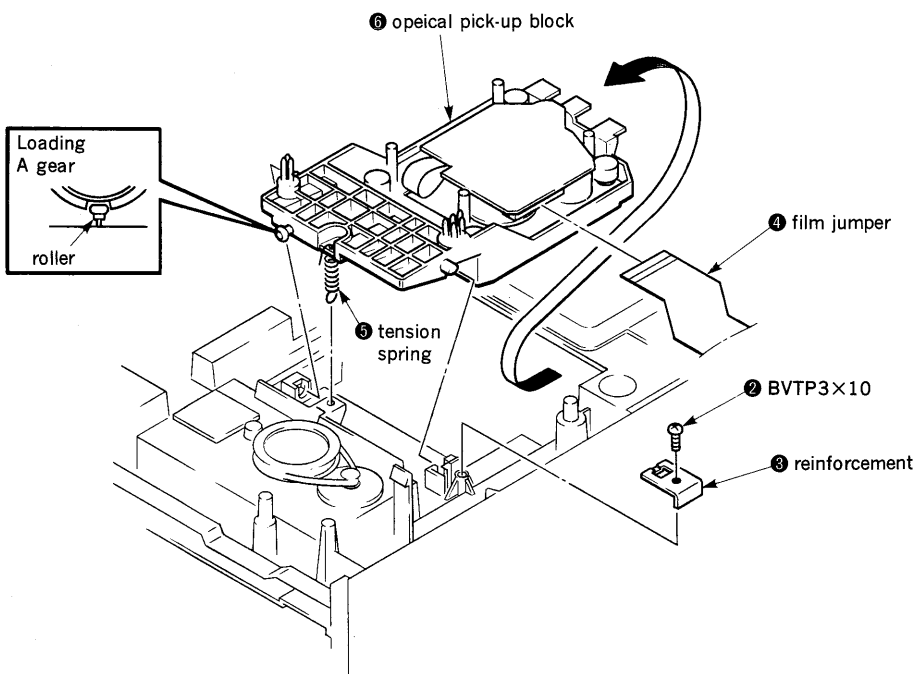


2-2. DISK TABLE



2-3. OPTICAL PICK-UP BLOCK

1 Replace the set up side down.

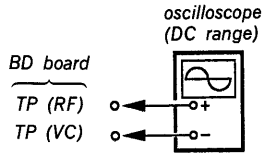


SECTION 3 ELECTRICAL ADJUSTMENTS

1. Perform adjustments in the order given.
2. Use YEDS-18 disc (3-702-101-1) unless otherwise indicated.
3. Use the oscilloscope with more than 10MΩ impedance.

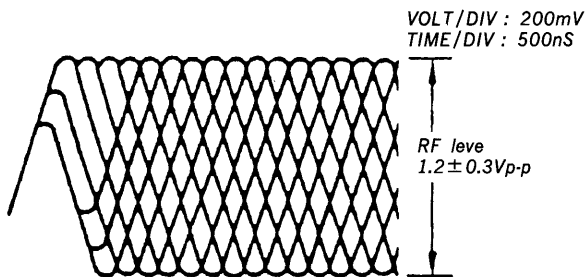
RF Level Check

Procedure :



1. Connect oscilloscope to test point TP (RF) and TP (VC) on BD board.
2. Confirm that RF level and eye pattern is optimum. Optimum eye pattern means that shape "◇" can be clearly distinguished at the center of the wave form.

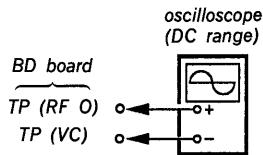
RF signal Reference Waveform (eye pattern)



REFERENCE

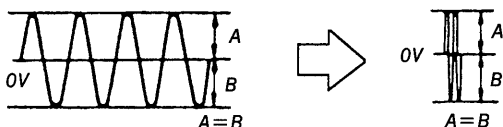
E-F Balance Check

Procedure :



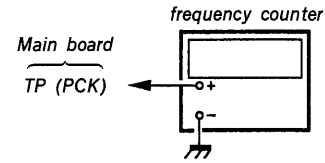
1. Connect test point TP (AF ADJ) and TP (TES) to ground with lead wire.
2. Connect oscilloscope to test point TP (TE O) and TP (VC) on BD board.
3. Turn POWER switch on.
4. Put disc (YEDS-18) in and play back.
5. Confirm that the oscilloscope waveform is symmetrical on the top and bottom in relation to 0V.
6. After check, remove the lead wire connected in step 1.

Note : Take sweep time as long as possible to obtain best waveform.



RF PLL Free-run Frequency Check

Procedure :



1. Turn POWER switch on.
2. Put disc (YEDS-18) in and play back.
3. Confirm that reading on frequency counter is 4.3218MHz.

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 the point where both are satisfied.

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

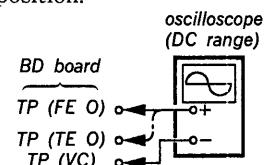
	Gain	Focus	Tracking
Symptoms			
• The time until music starts becomes longer for STOP →▷ PLAY or automatic selection. (◀◀, ▶▶ buttons pressed.) (Normally takes about 1 seconds.)		low	low or high
• Music does not start and disc continues to rotate for STOP →▷ PLAY or automatic selection. (◀◀, ▶▶ buttons pressed.)		—	low
• Sound is interrupted during PLAY. Or time counter display stops progressing.		—	low
• More noise during 2-axis device operation.	high	high	high

The following is a simple adjustment method.

—Primary Adjustment—

Note : Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment.

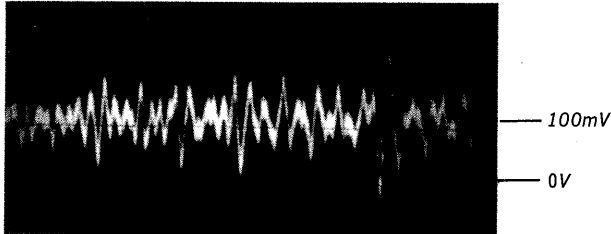
If the positions after the primary adjustment are only a little different, return the controls to the original position.



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) and press ▷ PLAY button.
3. Connect oscilloscope to TP (FEO) and TP (VC) on BD board.
4. Adjustment RV102 on BD board so that the waveform is as shown in the figure below. (focus gain adjustment)

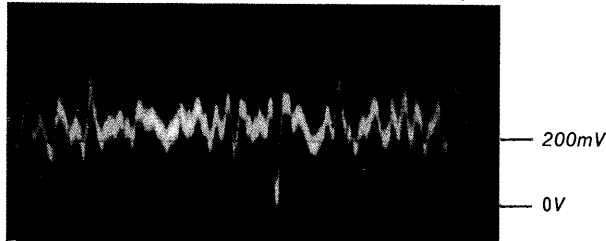
VOLT/DIV : 100mV
TIME/DIV : 2mS



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

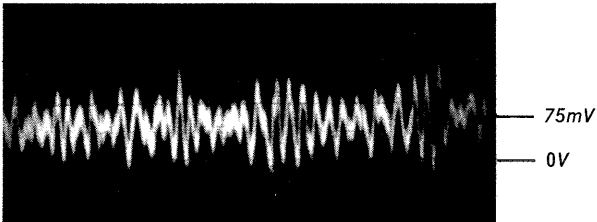
low focus gain

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



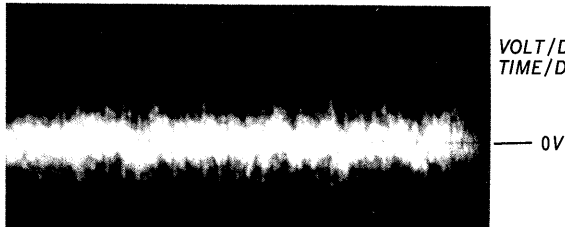
high focus gain

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



5. Connect oscilloscope to TP (TEO) and TP (VC) on BD board.
6. Adjust RV101 on BD board so that the waveform is as shown the figure below. (tracking gain adjustment)

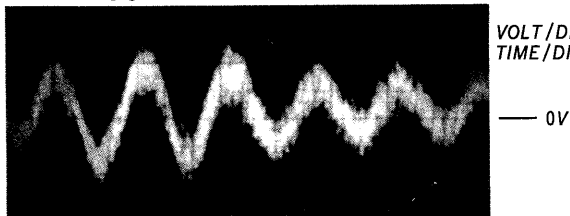
VOLT/DIV : 1V
TIME/DIV : 2mS



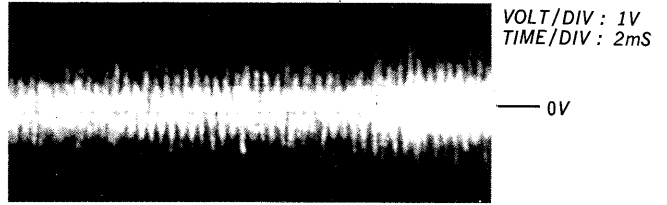
- Inccorret Examples (fundamentia wave appears)

low tracking gain

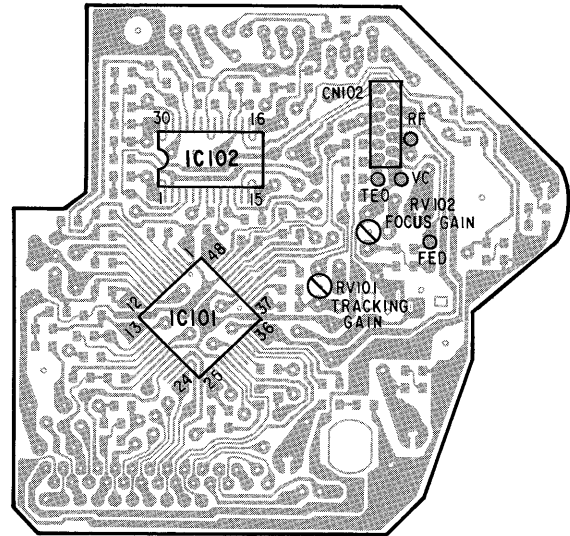
VOLT/DIV : 1V
TIME/DIV : 2mS



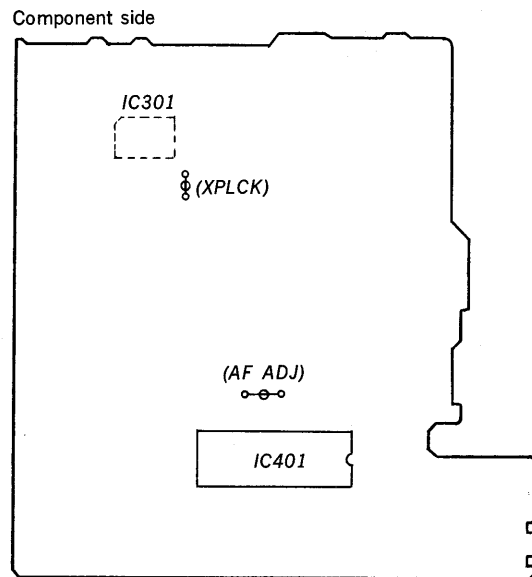
high tracking gain
(high fundamental wave)
than for low gain



**Adjustment Location :
[BD board]**

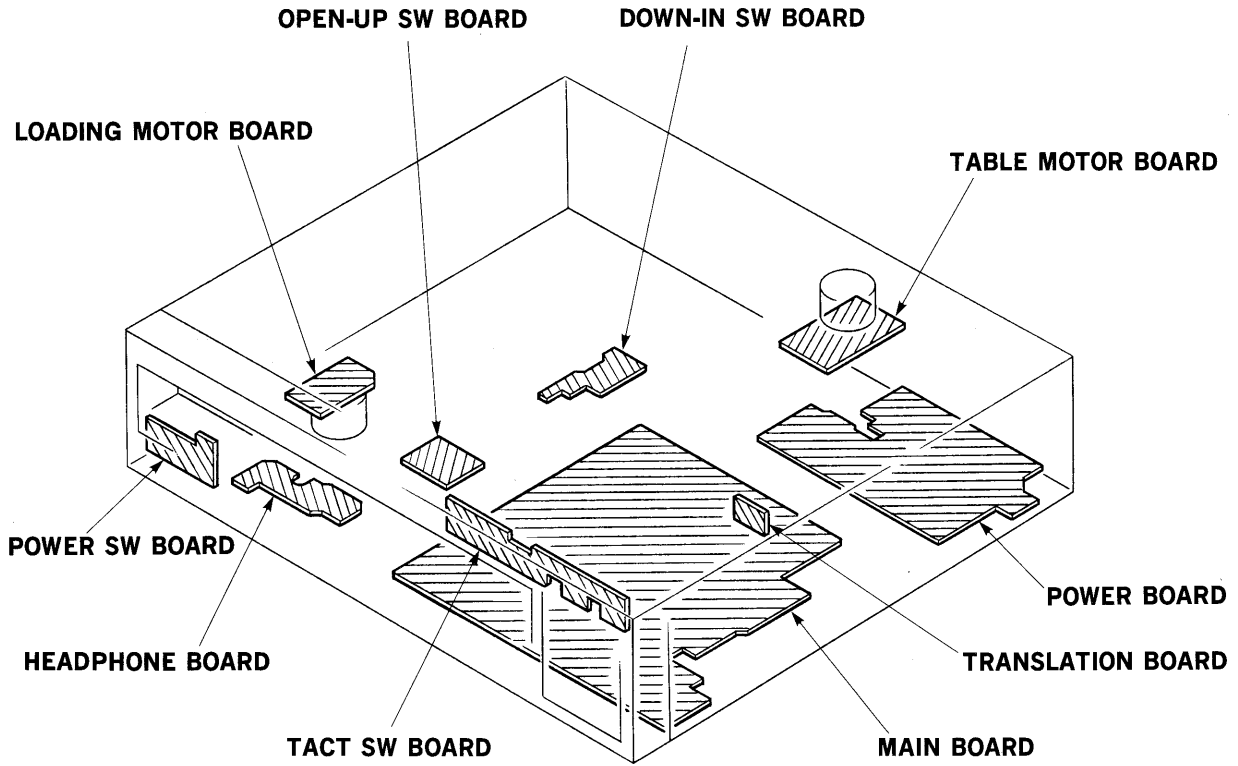


[Main board]

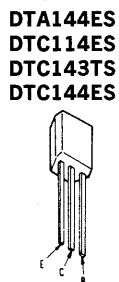
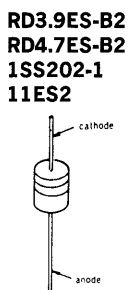
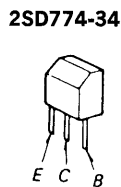
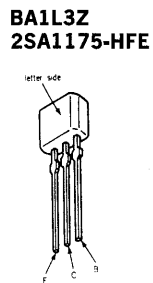
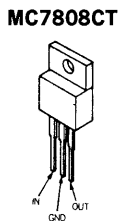
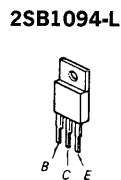
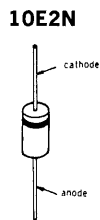
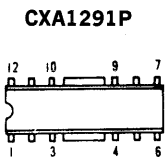


SECTION 4 DIAGRAMS

4-1. CIRCUIT BOARDS LOCATION



4-2. SEMICONDUCTOR LEAD LAYOUTS



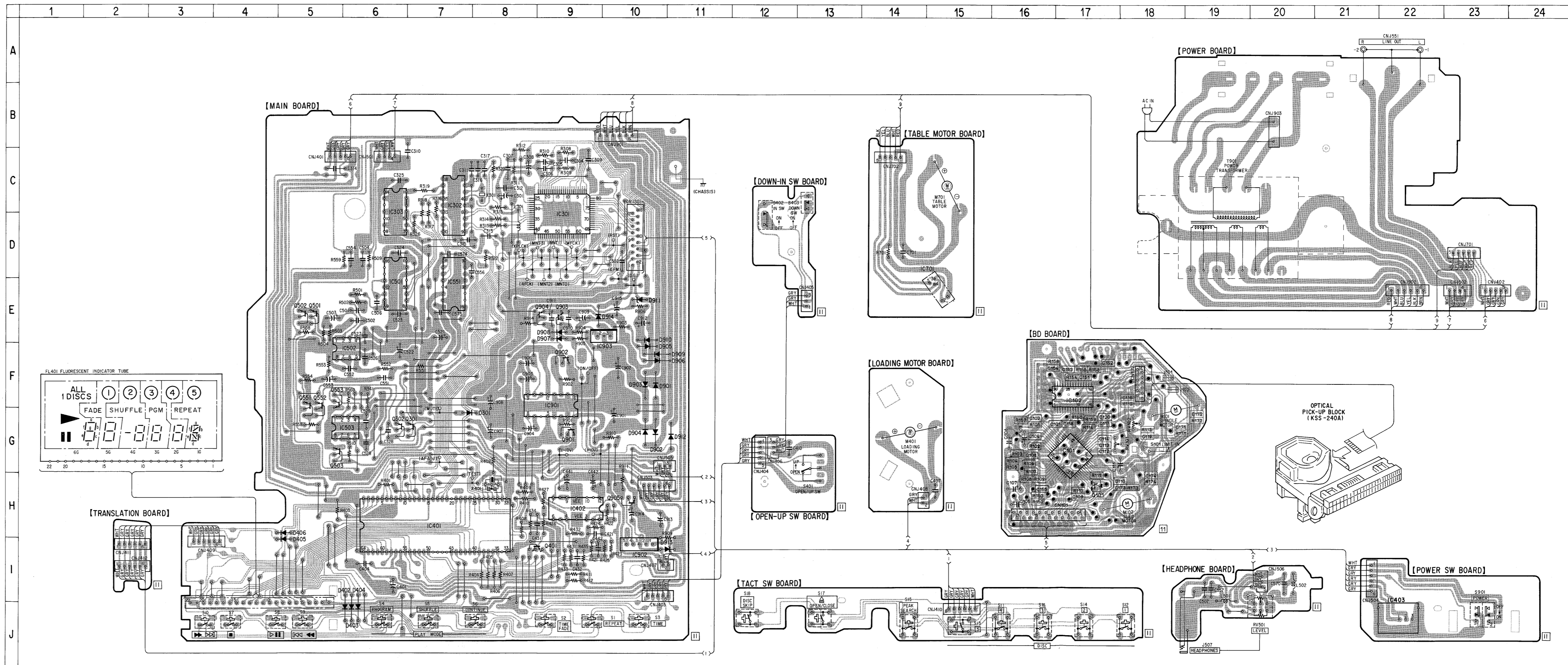
4-3. PRINTED WIRING BOARDS

• Semiconductor Location

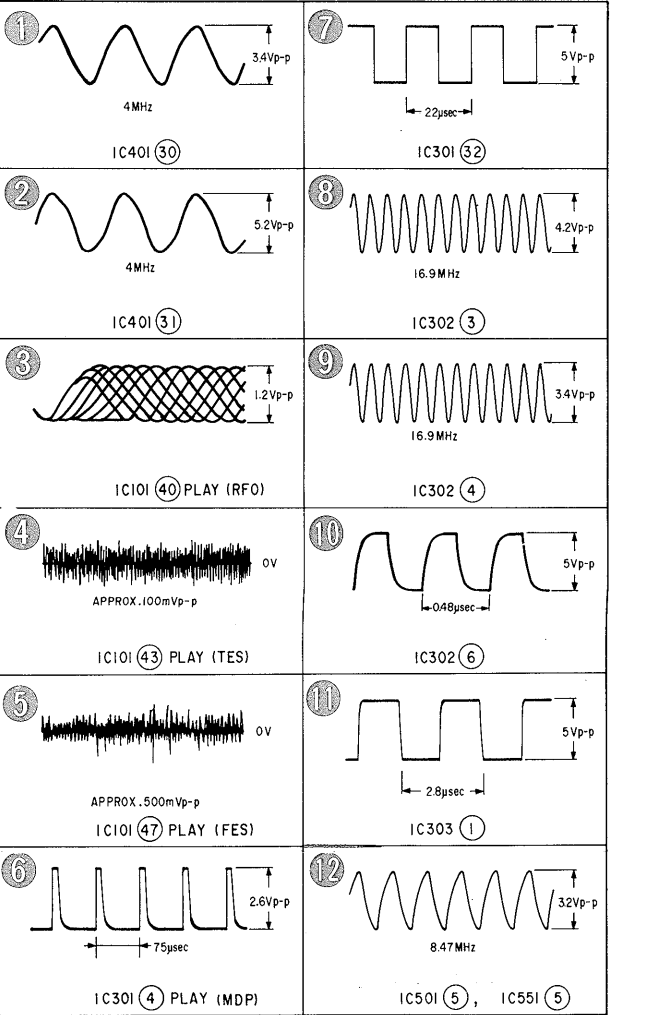
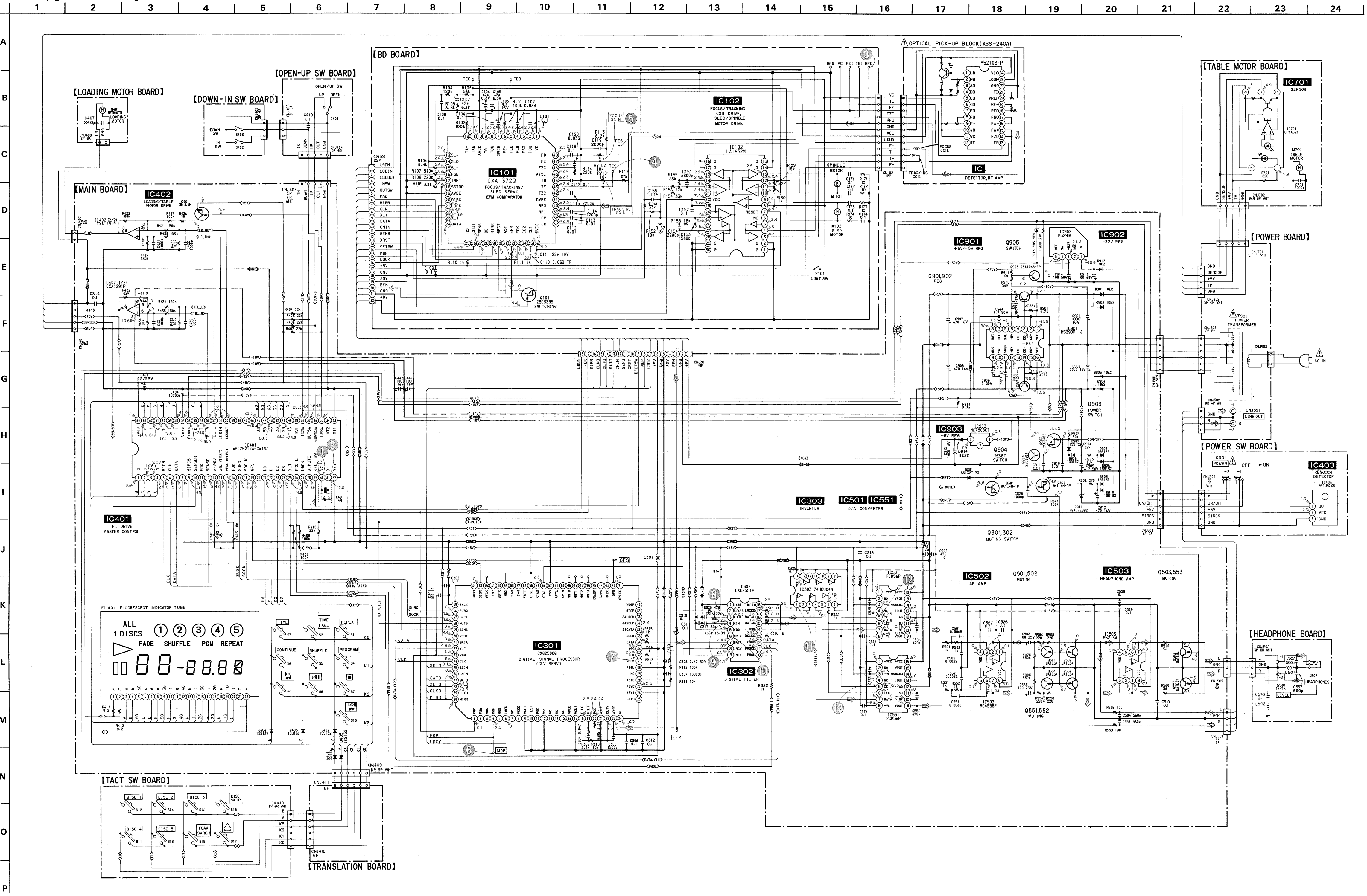
Ref. No.	Location
D301	G-7
D402	J-6
D403	J-6
D404	J-6
D405	I-5
D406	H-5
D901	F-10
D902	G-10
D903	F-10
D904	G-10
D905	F-10
D906	F-10
D907	E-9
D908	E-9
D909	F-10
D910	F-10
D911	E-10
D912	G-11
D913	I-11
D914	E-9
IC101	G-17
IC102	F-17
IC301	C-9
IC302	C-7
IC303	C-6
IC401	H-7
IC402	H-9
IC403	I-22
IC501	E-6
IC502	F-6
IC503	G-6
IC551	E-7
IC701	E-15
IC901	F-9
IC902	I-10
IC903	E-10
Q101	H-17
Q301	G-7
Q302	G-6
Q401	I-9
Q501	E-5
Q502	E-5
Q503	G-5
Q551	F-5
Q552	F-5
Q553	F-5
Q901	G-9
Q902	F-9
Q903	E-9
Q904	E-9
Q905	H-10

Note:

- : parts extracted from the component side.
- : Through hole.
- ▨ : Pattern on the side which is seen.
- ▩ : Pattern of the rear side.



4-4. SCHEMATIC DIAGRAM
 Refer to page 17 for IC Block Diagrams



Note:
 • All capacitors are in μF unless otherwise noted. pF : μpF 50WV or less are not indicated except for electrolytics and tantalums.
 • All resistors are in Ω and $\frac{1}{2}\text{W}$ or less unless otherwise specified.

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

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



- : B+ Line
- : B- Line
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions. no mark: STOP
- Voltages are taken with a VOM (input impedance 10M Ω). 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.


SECTION 5 EXPLODED VIEWS

NOTE:

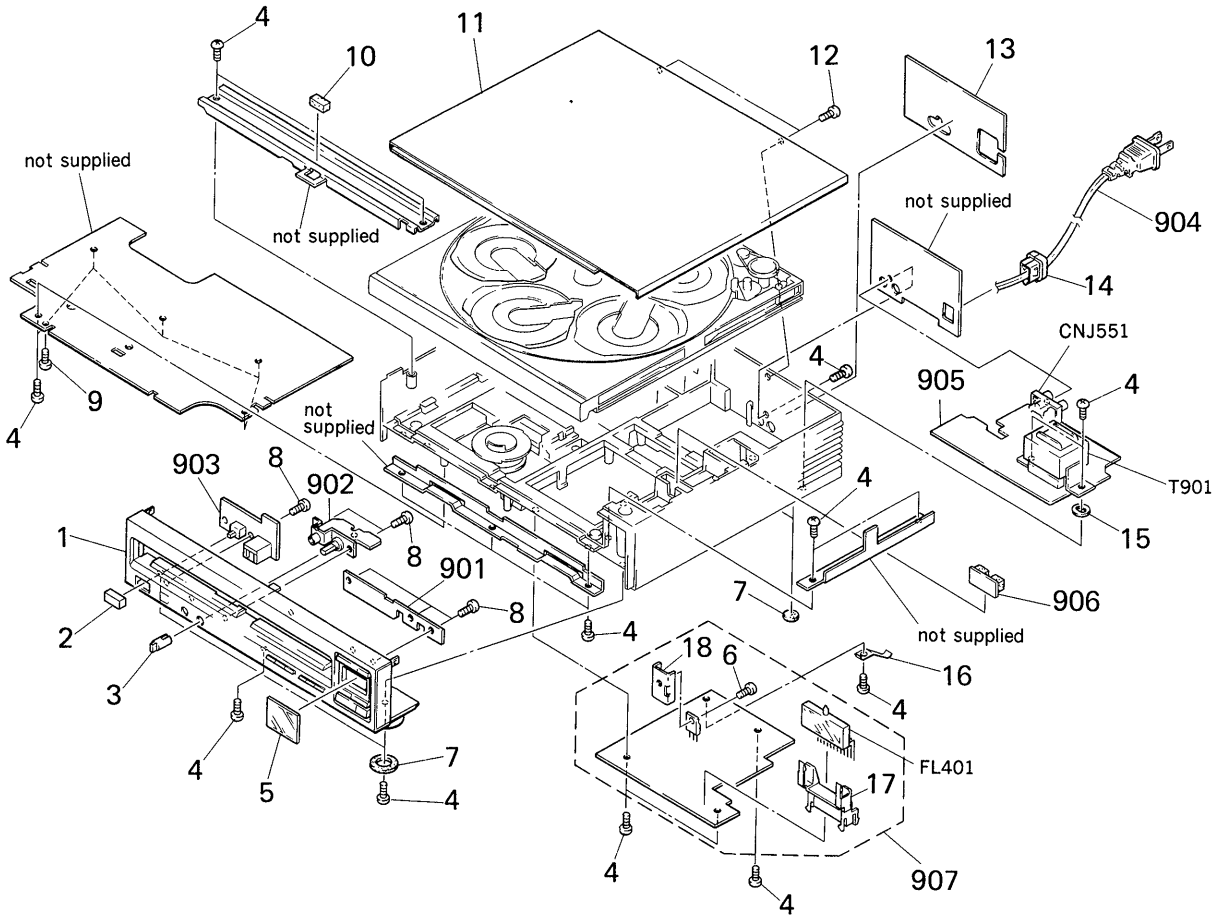
- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be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

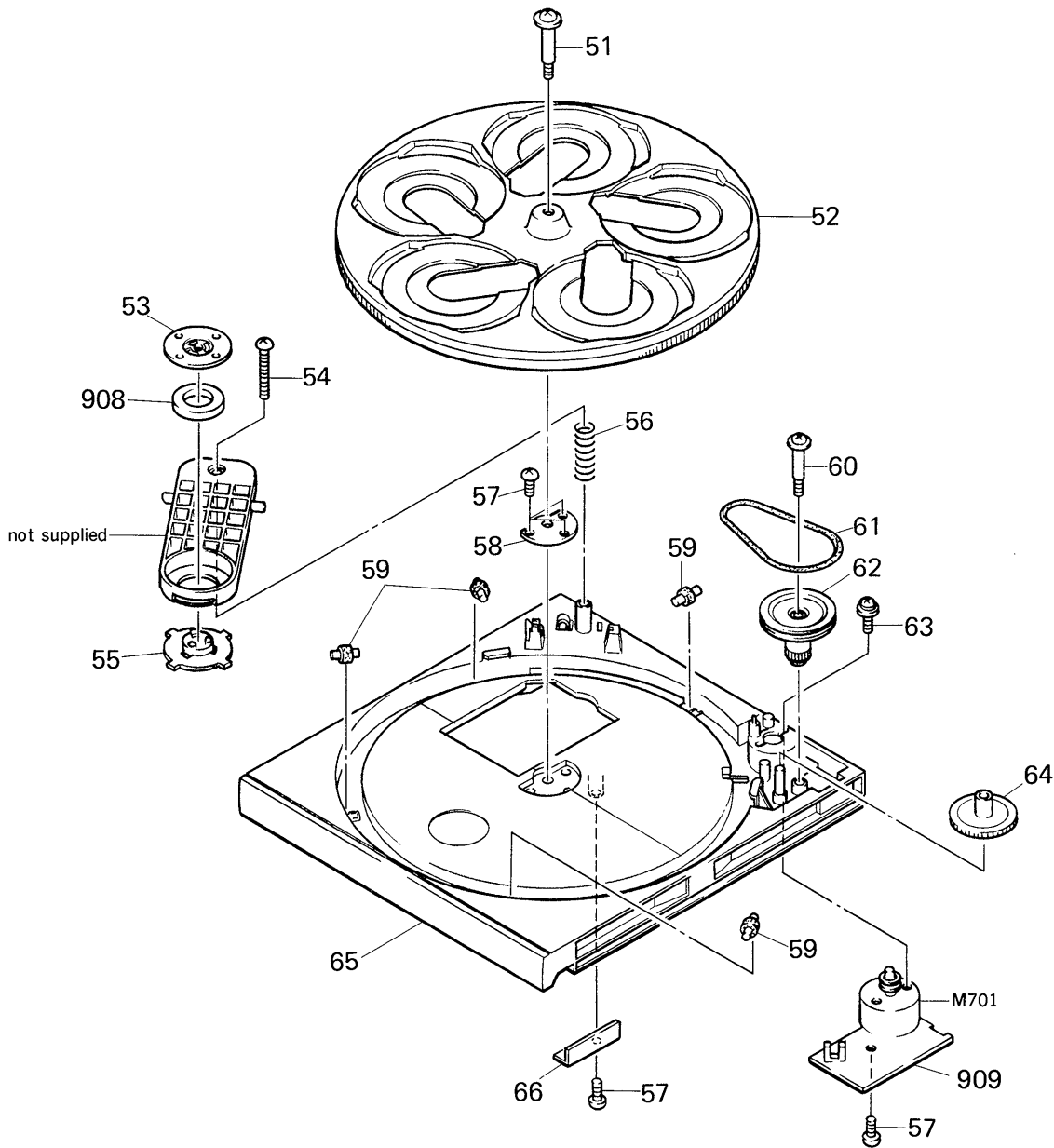
Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

5-1. CABINET SECTION



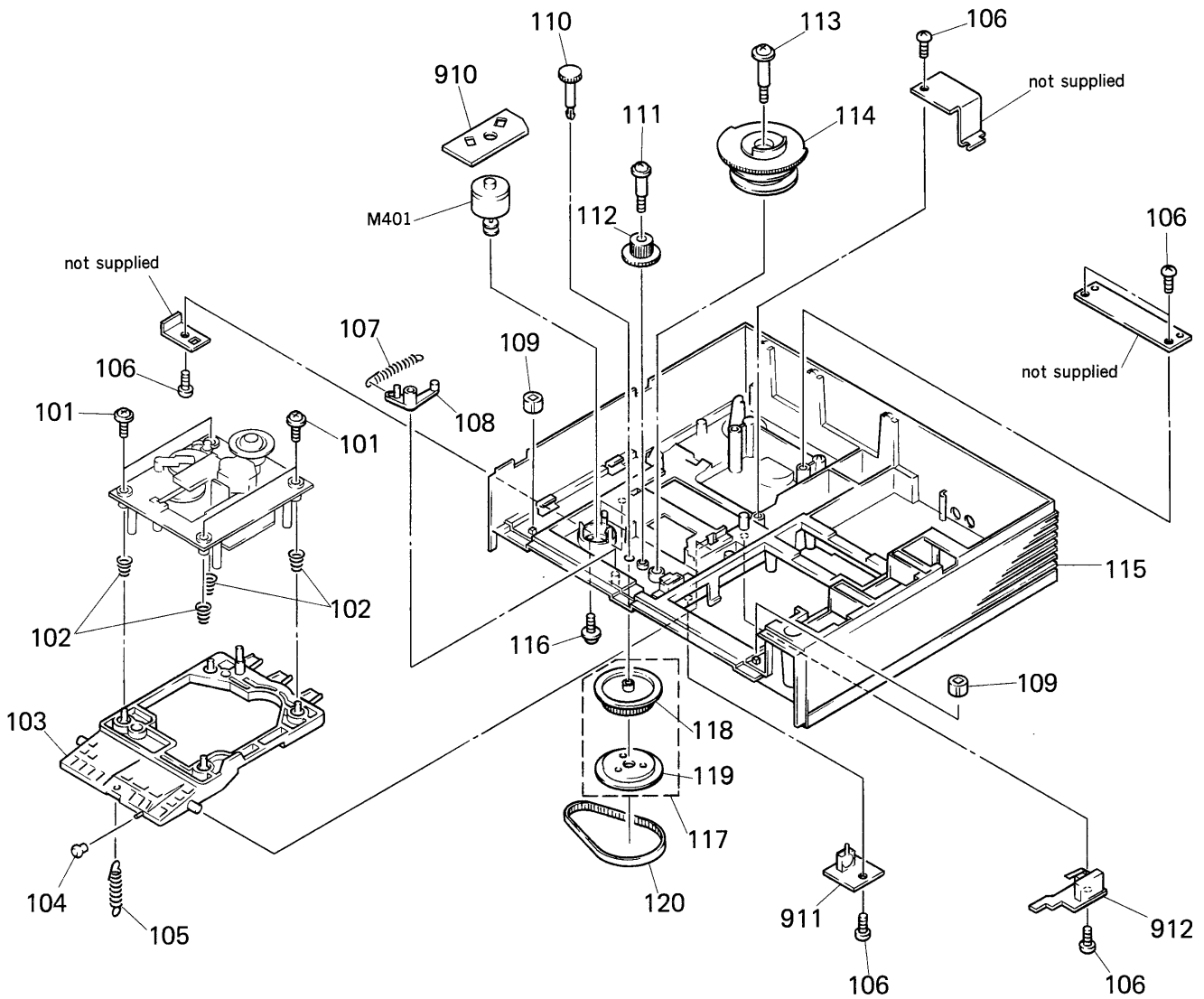
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	X-4924-451-1	PANEL ASSY, FRONT		14	*3-703-244-00	BUSHING (2104), CORD	
2	4-922-921-01	BUTTON (POWER)		15	4-870-539-00	PLATE, GROUND	
3	4-922-531-11	KNOB (A TYPE), LOV		16	*4-930-512-01	PLATE, GROUND	
4	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S		17	*4-926-396-01	HOLDER (FL)	
				18	*3-309-144-21	HEAT SINK	
5	4-934-367-01	WINDOW (FL)		901	*1-634-799-11	PC BOARD, TACT SW	
6	7-682-547-04	SCREW +BVTT 3X6 (S)		902	*1-634-797-11	PC BOARD, HEADPHONE	
7	4-926-391-01	FOOT (FELT)		903	*1-634-798-11	PC BOARD, POWER SW	
8	4-928-635-01	SCREW, +BV (2.6X8) TAPPING		904	 .1-575-105-11	CORD, POWER	
9	7-685-870-01	SCREW +BVTT 3X5 (S)		905	*1-634-806-11	PC BOARD, POWER	
10	9-911-842-XX	CUSHION (S)		906	*1-634-800-11	PC BOARD, TRANSLATION	
11	4-930-503-21	CASE		907	*A-4617-405-A	MOUNTED PCB, MAIN	
12	4-909-982-31	SCREW, TAPPING		CNJ551	1-566-921-11	JACK, PIN 2P (LINE OUT)	
13	*4-934-344-01	(US).....PLATE(BACK PANEL), INDICATION		FL401	1-519-585-11	INDICATOR TUBE, FLUORESCENT	
	*4-934-345-01	(Canadian)..PLATE(BACK PANEL), INDICATION		T901	 .1-449-954-11	TRANSFORMER, POWER	

5-2. DISK TABLE SECTION



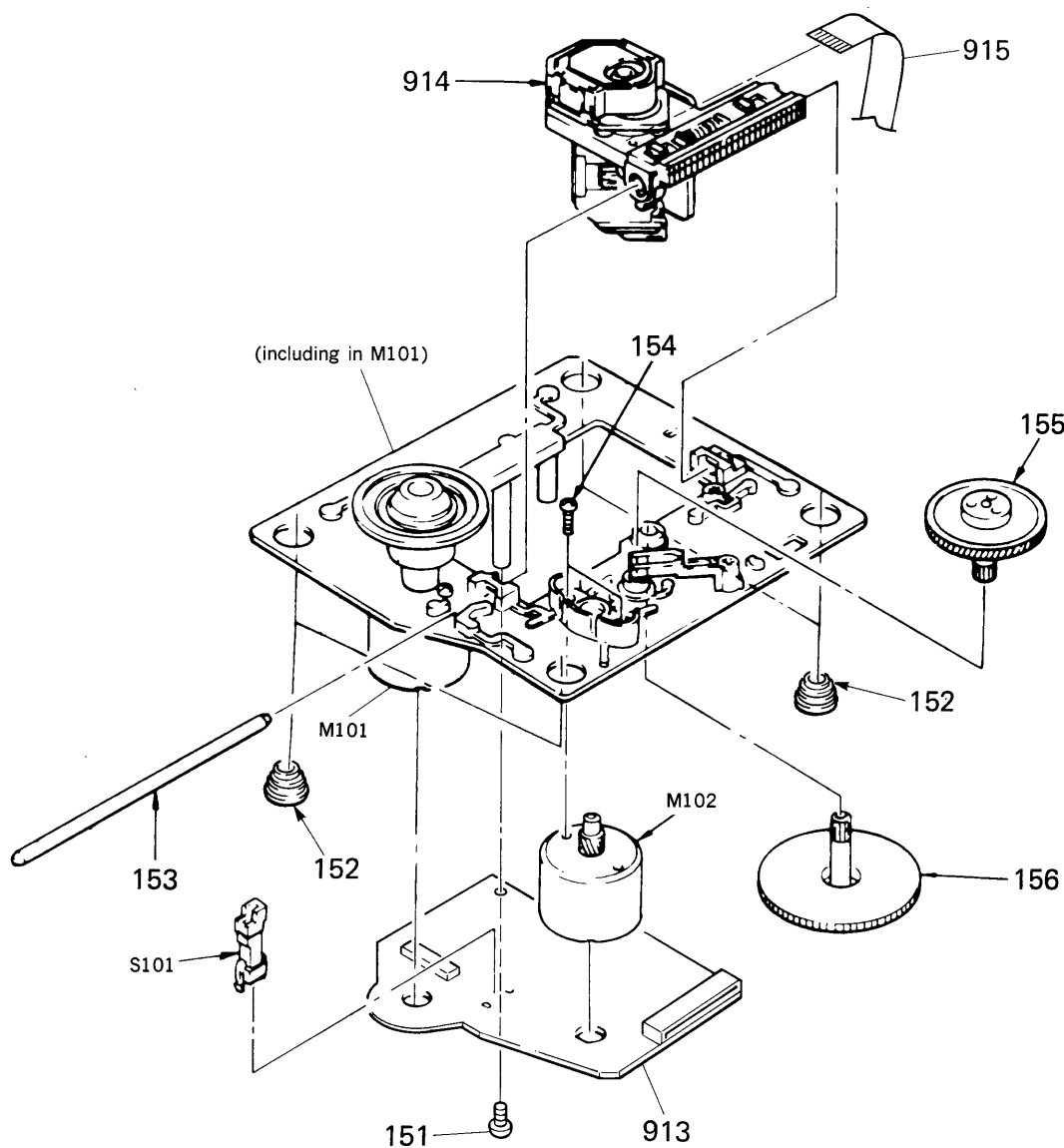
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	4-923-597-01	SCREW, STEP		61	4-926-399-01	BELT	
52	*4-926-383-01	TABLE (B), DISK		62	4-926-385-01	GEAR (C)	
53	4-921-029-01	YOKE, CHUCKING		63	7-621-759-35	+PSW, 2.6X5	
54	7-682-554-04	SCREW +B 3X25		64	4-926-386-01	GEAR (B)	
55	4-921-022-01	PULLEY, CHUCKING		65	4-934-369-01	TABLE (A), DISK	
56	4-926-395-01	SPRING, COMPRESSION		66	*4-926-388-01	BRACKET (ADJUSTMENT)	
57	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S		M701	A-4604-232-A	MOTOR ASSY, ROTARY	
58	*4-926-387-01	BRACKET (CENTER SHAFT)		908	1-452-340-21	MAGNET	
59	*X-4924-409-1	SHAFT (ROLLER B) ASSY		909	*1-634-807-11	PC BOARD, TABLE MOTOR	
60	4-926-384-01	SCREW, STEP					

5-3. FRAME SECTION



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
101	4-933-134-01	SCREW (+PTPWH M2.6X6)		113	4-926-317-01	SCREW, STEP	
102	4-917-541-01	SPRING (B)		114	4-930-508-01	GEAR (LOADING A)	
103	*4-934-373-01	BRACKET (BU)		115	*4-930-591-01	CHASSIS (2)	
104	4-927-631-01	ROLLER (L)		116	7-621-759-35	+PSW, 2.6X5	
105	4-937-911-01	SPRING, TENSION		117	X-4924-443-1	PULLEY ASSY	
106	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S		118	4-930-507-01	PULLEY (LOADING)	
107	4-924-412-01	SPRING (B), TENSION		119	4-930-596-01	PULLEY (FLANGE)	
108	4-917-519-01	LEVER, SET		120	4-924-478-01	BELT (TIMING)	
109	*4-930-520-01	CUSHION		910	*1-634-808-11	PC BOARD, LOADING MOTOR	
110	4-924-425-01	GEAR (LOADING B)		911	*1-634-810-11	PC BOARD, OPEN-UP SW	
111	4-926-320-01	SCREW (B), STEP		912	*1-634-809-11	PC BOARD, DOWN-IN SW	
112	4-924-426-01	GEAR (LOADING C)		M401	A-4604-228-A	MOTOR ASSY, LOADING	

5-4. OPTICAL PICK-UP BLOCK
(BU-5BD3)



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

No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
151	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S		913	*A-4617-371-A	MOUNTED PCB, BD	
152	4-933-126-01	INSULATOR (A)		914	\triangle 8-848-144-11	DEVICE, OPTICAL KSS-240A	
153	4-917-565-01	SHAFT, SLED		915	1-575-001-11	WIRE, FLAT TYPE (12 CORE)	
154	7-621-255-15	SCREW +P 2X3		M101	X-4917-523-3	MOTOR ASSY (SPINDLE)	
155	4-917-567-01	GEAR (M)		M102	X-4917-504-1	MOTOR ASSY (SLED)	
156	4-917-564-01	GEAR (P), FLATNESS		S101	1-572-085-11	SWITCH, LEAF (LIMIT)	

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 F.**RESISTORS**

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORSIn 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	*1-634-799-11	PC BOARD, TACT SW	C302	1-164-159-11	CERAMIC 0.1MF 50V
902	*1-634-797-11	PC BOARD, HEADPHONE	C304	1-136-161-00	FILM 0.047MF 5% 50V
903	*1-634-798-11	PC BOARD, POWER SW	C305	1-161-374-11	CERAMIC 0.0015MF 30% 16V
904	Δ 1-575-105-11	CORD, POWER	C306	1-164-159-11	CERAMIC 0.1MF 50V
905	*1-634-806-11	PC BOARD, POWER	C307	1-161-379-00	CERAMIC 0.01MF 30% 16V
906	*1-634-800-11	PC BOARD, TRANSLATION	C308	1-124-902-00	ELECT 0.47MF 20% 50V
907	*A-4617-405-A	MOUNTED PCB, MAIN	C309	1-164-159-11	CERAMIC 0.1MF 50V
908	1-452-340-21	MAGNET	C310	1-164-159-11	CERAMIC 0.1MF 50V
909	*1-634-807-11	PC BOARD, TABLE MOTOR	C311	1-164-159-11	CERAMIC 0.1MF 50V
910	*1-634-808-11	PC BOARD, LOADING MOTOR	C312	1-164-159-11	CERAMIC 0.1MF 50V
911	*1-634-810-11	PC BOARD, OPEN-UP SW	C313	1-164-159-11	CERAMIC 0.1MF 50V
912	*1-634-809-11	PC BOARD, DOWN-IN SW	C314	1-164-159-11	CERAMIC 0.1MF 50V
913	*A-4617-371-A	MOUNTED PCB, BD	C315	1-164-159-11	CERAMIC 0.1MF 50V
914	Δ 1-8-848-144-11	DEVICE, OPTICAL KSS-240A	C316	1-162-207-31	CERAMIC 22PF 5% 50V
915	1-575-001-11	WIRE, FLAT TYPE (12 CORE)	C317	1-162-207-31	CERAMIC 22PF 5% 50V
C101	1-163-038-00	CERAMIC CHIP 0.1MF 25V	C325	1-164-159-11	CERAMIC 0.1MF 50V
C102	1-163-989-11	CERAMIC CHIP 0.033MF 10% 25V	C328	1-162-294-31	CERAMIC 0.001MF 10% 50V
C103	1-126-094-11	ELECT 4.7MF 20% 16V	C401	1-124-638-11	ELECT 22MF 20% 6.3V
C104	1-163-038-00	CERAMIC CHIP 0.1MF 25V	C404	1-161-379-00	CERAMIC 0.01MF 30% 16V
C105	1-126-154-11	ELECT 47MF 20% 6.3V	C407	1-161-494-00	CERAMIC 0.022MF 25V
C106	1-126-154-11	ELECT 47MF 20% 6.3V	C410	1-164-159-11	CERAMIC 0.1MF 50V
C107	1-126-154-11	ELECT 47MF 20% 6.3V	C421	1-162-294-31	CERAMIC 0.001MF 10% 50V
C108	1-163-038-00	CERAMIC CHIP 0.1MF 25V	C422	1-162-294-31	CERAMIC 0.001MF 10% 50V
C109	1-163-038-00	CERAMIC CHIP 0.1MF 25V	C431	1-162-294-31	CERAMIC 0.001MF 10% 50V
C110	1-163-989-11	CERAMIC CHIP 0.033MF 10% 25V	C432	1-162-294-31	CERAMIC 0.001MF 10% 50V
C111	1-131-367-00	TANTALUM 22MF 20% 16V	C441	1-126-101-11	ELECT 100MF 20% 16V
C112	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	C442	1-126-101-11	ELECT 100MF 20% 16V
C113	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	C501	1-106-363-00	MYLAR 0.0068MF 5% 50V
C114	1-164-161-11	CERAMIC CHIP 0.0022MF 10% 50V	C502	1-106-351-00	MYLAR 0.0022MF 5% 50V
C115	1-164-161-11	CERAMIC CHIP 0.0022MF 10% 50V	C503	1-124-478-11	ELECT 100MF 20% 25V
C116	1-164-161-11	CERAMIC CHIP 0.0022MF 10% 50V	C504	1-162-291-31	CERAMIC 560PF 10% 50V
C117	1-163-038-00	CERAMIC CHIP 0.1MF 25V	C506	1-130-467-00	MYLAR 470PF 5% 50V
C118	1-163-038-00	CERAMIC CHIP 0.1MF 25V	C507	1-162-291-31	CERAMIC 560PF 10% 50V
C119	1-164-161-11	CERAMIC CHIP 0.0022MF 10% 50V	C521	1-126-103-11	ELECT 470MF 20% 16V
C120	1-163-989-11	CERAMIC CHIP 0.033MF 10% 25V	C522	1-126-103-11	ELECT 470MF 20% 16V
C151	1-163-019-00	CERAMIC CHIP 0.0068MF 10% 50V	C523	1-164-159-11	CERAMIC 0.1MF 50V
C152	1-163-038-00	CERAMIC CHIP 0.1MF 25V	C524	1-164-159-11	CERAMIC 0.1MF 50V
C153	1-163-006-11	CERAMIC CHIP 560PF 10% 50V	C526	1-164-159-11	CERAMIC 0.1MF 50V
C154	1-164-161-11	CERAMIC CHIP 0.0022MF 10% 50V	C527	1-164-159-11	CERAMIC 0.1MF 50V
C155	1-163-023-00	CERAMIC CHIP 0.015MF 10% 50V	C528	1-164-159-11	CERAMIC 0.1MF 50V
C171	1-163-038-00	CERAMIC CHIP 0.1MF 25V	C529	1-164-159-11	CERAMIC 0.1MF 50V
C172	1-163-038-00	CERAMIC CHIP 0.1MF 25V	C551	1-106-363-00	MYLAR 0.0068MF 5% 50V
C173	1-163-038-00	CERAMIC CHIP 0.1MF 25V	C552	1-106-351-00	MYLAR 0.0022MF 5% 50V
C174	1-163-038-00	CERAMIC CHIP 0.1MF 25V	C553	1-124-478-11	ELECT 100MF 20% 25V
C301	1-124-443-00	ELECT 100MF 20% 10V	C554	1-162-291-31	CERAMIC 560PF 10% 50V

Ref.No.	Part No.	Description				Ref.No.	Part No.	Description			
C556	1-130-467-00	MYLAR	470PF	5%	50V	IC101	8-752-037-33	IC CXA1372Q			
C557	1-162-291-31	CERAMIC	560PF	10%	50V	IC102	8-759-821-94	IC LA6532M			
C570	1-164-159-11	CERAMIC	0.1MF		50V	IC301	8-752-333-31	IC CXD2500Q			
C573	1-164-159-11	CERAMIC	0.1MF		50V	IC302	8-752-334-06	IC CXD2551P			
C574	1-164-159-11	CERAMIC	0.1MF		50V	IC303	8-759-917-18	IC SN74HC004N			
C701	1-161-375-00	CERAMIC	0.0022MF	30%	16V	IC401	8-759-149-33	IC UPD75212ACW-196			
C901	1-124-360-00	ELECT	1000MF	20%	16V	IC402	8-752-035-28	IC CXA1291P			
C902	1-124-887-00	ELECT	3300MF	20%	16V	IC403	8-749-920-83	IC GP1U52XB			
C904	1-124-927-11	ELECT	4.7MF	20%	50V	IC501	8-759-998-22	IC PCM56P			
C905	1-123-875-11	ELECT	10MF	20%	50V	IC502	8-759-945-58	IC RC4558P			
C906	1-124-791-11	ELECT	1MF	20%	50V	IC503	8-759-634-51	IC M5218AP			
C907	1-126-103-11	ELECT	470MF	20%	16V	IC551	8-759-998-22	IC PCM56P			
C908	1-126-103-11	ELECT	470MF	20%	16V	IC701	8-719-970-19	IC GP1A521			
C909	1-124-927-11	ELECT	4.7MF	20%	50V	IC901	8-759-630-21	IC M5290P-16			
C910	1-164-159-11	CERAMIC	0.1MF		50V	IC902	8-759-633-42	IC M5293L			
C911	1-164-159-11	CERAMIC	0.1MF		50V	IC903	8-759-013-08	IC MC7808CT			
C912	1-126-103-11	ELECT	470MF	20%	16V	J101	1-216-295-00	METAL GLAZE	0	5%	1/10W
C913	1-124-572-11	ELECT	100MF	20%	63V	J102	1-216-295-00	METAL GLAZE	0	5%	1/10W
C914	1-124-122-11	ELECT	100MF	20%	50V	J507	1-568-519-21	JACK, LARGE TYPE (HEADPHONES)			
C915	1-124-360-00	ELECT	1000MF	20%	16V	L301	*1-410-858-11	INDUCTOR	OUH		
CN101	1-568-796-11	SOCKET, CONNECTOR 22P				L501	*1-410-858-11	INDUCTOR	OUH		
CN102	1-568-795-11	SOCKET, CONNECTOR 12P				L502	*1-410-858-11	INDUCTOR	OUH		
CNJ301	1-568-468-11	SOCKET, CONNECTOR 18P				M101	X-4917-523-3	MOTOR ASSY (SPINDLE)			
CNJ402*1	1-564-339-61	PIN, CONNECTOR 5P				M102	X-4917-504-1	MOTOR ASSY (SLED)			
CNJ403*1	1-564-339-00	PIN, CONNECTOR 5P				M401	A-4604-228-A	MOTOR ASSY, LOADING			
CNJ407*1	1-564-336-00	PIN, CONNECTOR 2P				M701	A-4604-232-A	MOTOR ASSY, ROTARY			
CNJ411*1	1-564-340-00	PIN, CONNECTOR 6P				Q101	8-729-901-01	TRANSISTOR DTC144EK			
CNJ502*1	1-564-338-00	PIN, CONNECTOR 4P				Q301	8-729-900-89	TRANSISTOR DTC144ES			
CNJ504*1	1-564-499-11	PIN, CONNECTOR 6P				Q302	8-729-900-65	TRANSISTOR DTA144ES			
CNJ506*1	1-564-337-00	PIN, CONNECTOR 3P				Q401	8-729-900-65	TRANSISTOR DTA144ES			
CNJ551	1-566-921-11	JACK, PIN 2P (LINE OUT)				Q501	8-729-142-28	TRANSISTOR BAIL3Z			
CNJ701*1	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P				Q502	8-729-142-28	TRANSISTOR BAIL3Z			
CNJ902*1	1-564-509-11	PLUG, CONNECTOR 6P				Q503	8-729-142-28	TRANSISTOR BAIL3Z			
CNJ903*1	1-564-321-00	PIN, CONNECTOR 2P				Q551	8-729-142-28	TRANSISTOR BAIL3Z			
D301	8-719-107-94	DIODE 1SS202-1				Q552	8-729-142-28	TRANSISTOR BAIL3Z			
D402	8-719-107-94	DIODE 1SS202-1				Q553	8-729-142-28	TRANSISTOR BAIL3Z			
D403	8-719-107-94	DIODE 1SS202-1				Q901	8-729-140-96	TRANSISTOR 2SD774-34			
D404	8-719-107-94	DIODE 1SS202-1				Q902	8-729-111-67	TRANSISTOR 2SB1094-L			
D405	8-719-107-94	DIODE 1SS202-1				Q903	8-729-900-80	TRANSISTOR DTC114ES			
D406	8-719-107-94	DIODE 1SS202-1				Q904	8-729-900-74	TRANSISTOR DTC143TS			
D901	8-719-200-77	DIODE 10E2N				Q905	8-729-119-76	TRANSISTOR 2SA1175-HFE			
D902	8-719-200-77	DIODE 10E2N				R101	1-216-097-00	METAL GLAZE	100K	5%	1/10W
D903	8-719-200-77	DIODE 10E2N				R102	1-216-097-00	METAL GLAZE	100K	5%	1/10W
D904	8-719-200-77	DIODE 10E2N				R103	1-216-091-00	METAL GLAZE	56K	5%	1/10W
D905	8-719-107-94	DIODE 1SS202-1				R104	1-216-099-00	METAL GLAZE	120K	5%	1/10W
D906	8-719-107-94	DIODE 1SS202-1				R105	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
D907	8-719-107-94	DIODE 1SS202-1				R106	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
D908	8-719-107-94	DIODE 1SS202-1				R107	1-216-114-00	METAL GLAZE	510K	5%	1/10W
D909	8-719-107-94	DIODE 1SS202-1				R108	1-216-105-00	METAL GLAZE	220K	5%	1/10W
D910	8-719-107-94	DIODE 1SS202-1				R109	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
D911	8-719-109-81	ZENER DIODE RD4.7ES-B2				R110	1-216-049-00	METAL GLAZE	1K	5%	1/10W
D912	8-719-200-77	DIODE 10E2N				R111	1-216-049-00	METAL GLAZE	1K	5%	1/10W
D913	8-719-109-72	ZENER DIODE RD3.9ES-B2				R112	1-216-083-00	METAL GLAZE	27K	5%	1/10W
D914	8-719-200-82	DIODE 11ES2				R113	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
FL401	1-519-585-11	INDICATOR TUBE, FLUORESCENT				R114	1-216-105-00	METAL GLAZE	220K	5%	1/10W
						R152	1-216-073-00	METAL GLAZE	10K	5%	1/10W

<u>Ref.No</u>	<u>Part No.</u>	<u>Description</u>
<u>ACCESSORY & PACKING MATERIAL</u>		
1-465-399-11		COMMANDER, REMOTE (RM-0506)
1-559-533-11		CORD, CONNECTION
*3-704-217-01		LABEL (CERTIFICATION)
3-707-584-01		COVER, BATTERY
3-751-429-21		MANUAL, INSTRUCTION (ENGLISH)
3-751-429-31		(Canadian)...MANUAL, INSTRUCTION (FRENCH)
4-930-510-01		PLATE, LOCK
*4-937-901-01		CUSHION (FRONT)
*4-937-902-01		CUSHION (REAR)
*4-937-903-11		INDIVIDUAL CARTON

CDP-C505

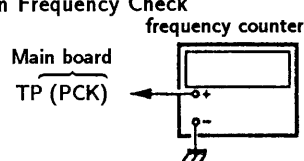
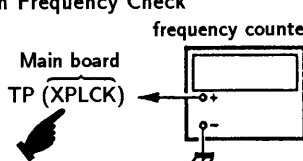
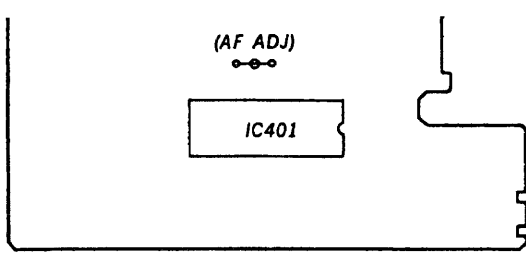
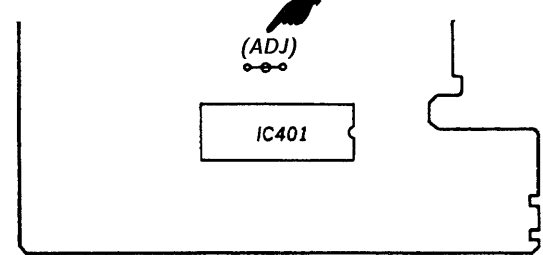
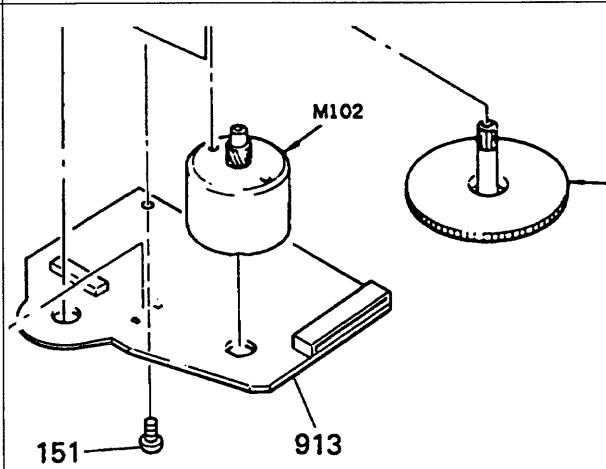
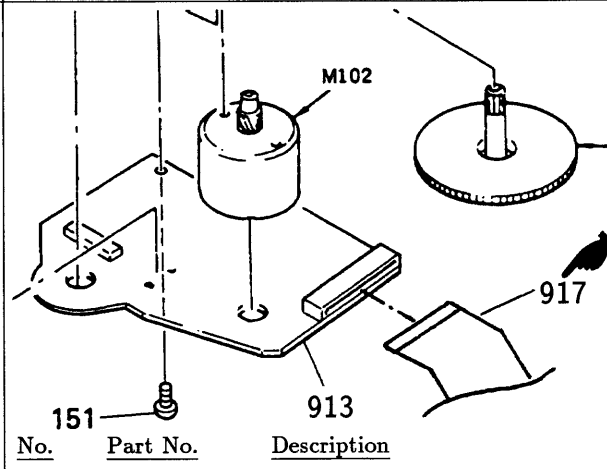
SONY SERVICE MANUAL

US Model
Canadian Model

CORRECTION-1

Correct your service manual as shown below.

 : indicates corrected portion.

Page	INCORRECT	CORRECT						
6	<p>E-F Blance Check Procedure :</p> <p>1. Connect test point TP (AFADJ) and TP (TES) to ground with lead wire.</p>	<p>E-F Blance Check Procedure :</p> <p>1. Connect test point TP (ADJ) to ground and TP (TES) to TP (VC) with lead wire.</p>						
	<p>RF PLL Free-run Frequency Check Procedure :</p> 	<p>RF PLL Free-run Frequency Check Procedure :</p> 						
7	<p>Adjustment Location 【Main Board】</p> 	<p>Adjustment Location 【Main Board】</p> 						
2 4		 <table border="1"> <thead> <tr> <th>No.</th> <th>Part No.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>917</td> <td>1-535-847-11</td> <td>JUMPER, FILM (WITH TERMINAL)</td> </tr> </tbody> </table>	No.	Part No.	Description	917	1-535-847-11	JUMPER, FILM (WITH TERMINAL)
No.	Part No.	Description						
917	1-535-847-11	JUMPER, FILM (WITH TERMINAL)						

CDP-C505

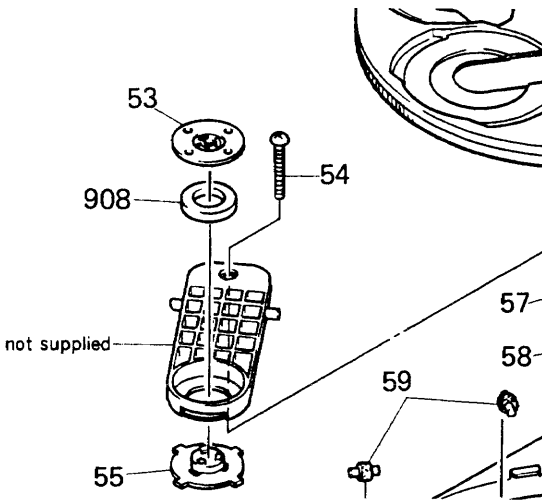
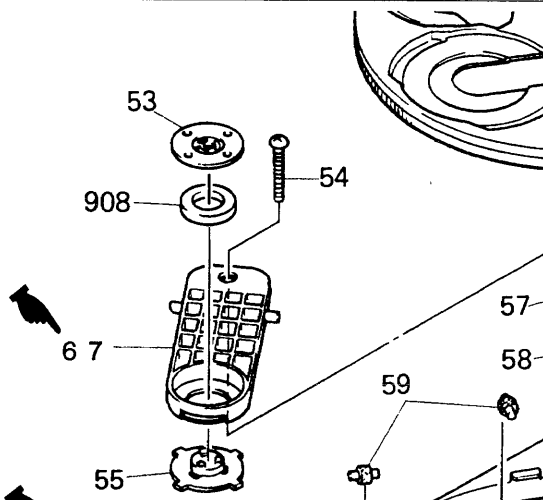
SONY SERVICE MANUAL

US Model
Canadian Model

CORRECTION-2

Correct your service manual as shown below.

 : indicates corrected portion.

Page	INCORRECT	CORRECT
20	 <p>not supplied</p>	 <p>*4-930-506-02 BRACKET (PRESS PULLEY)</p>