

CDP-C35/C201/C205/C305

SERVICE MANUAL

US Model
CDP-C35/C201/C205/C305

Canadian Model

AEP Model

E Model

Australian Model
CDP-C305



| | |
|------------------------------------|-------------|
| 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 ($\lambda=780$ 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. |
| Frequency response | 2 Hz - 20 kHz (+1.0 dB, -1.2 dB) |
| Signal to noise ratio | More than 93 dB |
| Dynamic range | More than 90 dB |
| Harmonic distortion | Less than 0.05% (1 kHz) |
| Channel separation | More than 90 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) (CDP-C305/C205 only) Output level 0 - 10 mW (variable) (at 32 ohms) |

| | |
|--------------------|--|
| General | |
| Power requirements | US, Canadian model 120 V AC, 60 Hz AEP model 200V AC, 50/60Hz E model 110-120, 220-240V AC adjustable, 50/60Hz Australian model 240 V AC, 50/60 Hz |
| Power consumption | 11 W |
| Dimensions | Approx. 430×110×385 mm (w/h/d) (17×4 ³ / ₈ ×15 ¹ / ₄ inches) |
| Weight | Approx. 4.9 kg (10 lbs 13 oz), net |

Supplied accessories

Audio signal connecting cord
(phono plug × 2 ↔ phono plug × 2) (1)
Remote commander (1) (CDP-C305 only)
R6 (size AA) batteries (2) (CDP-C305 only)
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.

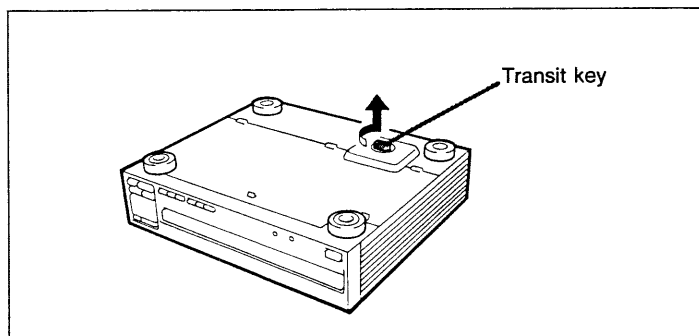





TABLE OF CONTENTS

| <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 | | 5 | 5-1. Cabinet Section | | 21 |
| 2. DISASSEMBLY | | | 5-2. Disk Table Section | | 22 |
| 2-1. Front Panel, Case and Bottom plate | | 6 | 5-3. Frame Section | | 23 |
| 2-2. Disk Table | | 6 | 5-4. Optical Pick-up Block | | 24 |
| 2-3. Optical Pick-up Block | | 6 | 6. ELECTRICAL PARTS LIST | | 25 |
| 3. ELECTRICAL ADJUSTMENT | | 7 | | | |
| 4. DIAGRAMS | | | | | |
| 4-1. Circuit Boards Location | | 9 | | | |
| 4-2. Semiconductor Lead Layout | | 9 | | | |
| 4-3. Printed Wiring Boards | | 11 | | | |
| 4-4. Schematic Diagram | | 15 | | | |

SAFETY-RELATED COMPONENT WARNING!!

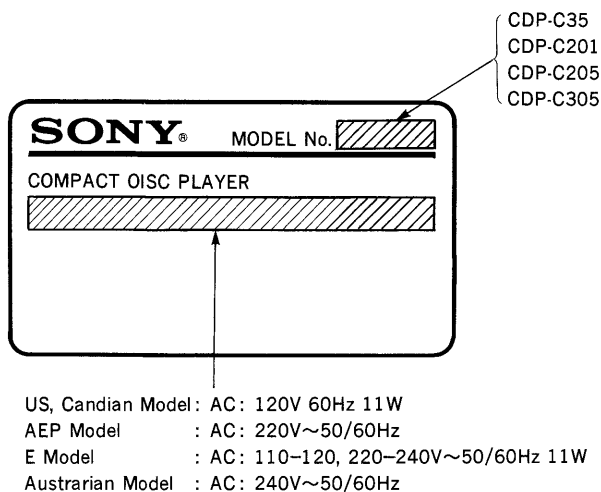
COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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.

MODEL IDENTIFICATION

—Model Number Label—

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

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

During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

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

SAFETY CHECK-OUT

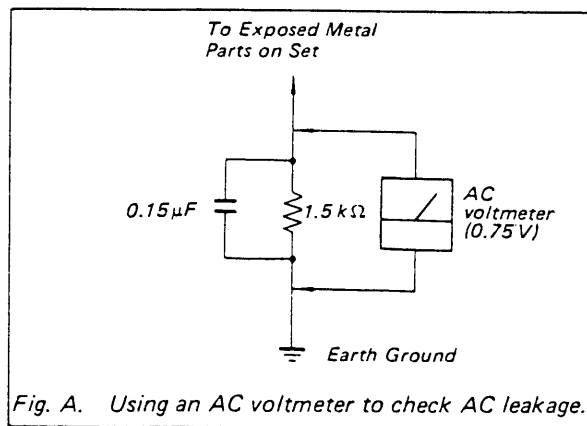
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

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)



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).

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. 0,4 mW*

* Målt i 1,6 mm afstand fra overfladen af objektiv-linsen på den optiske pick-up enhed.

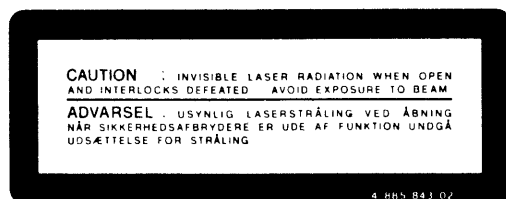
- Klassifikation: Klasse IIIb.

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

LASER ADVARSEL MÆRKNING

Følgende mærkning findes indvendig i apparatet:

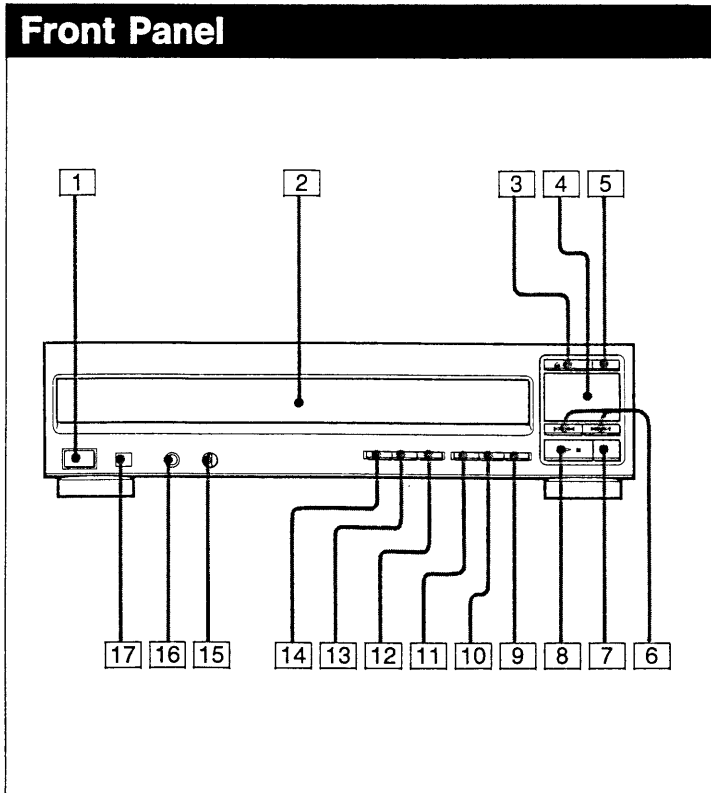
1. Advarsel Mærkning



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

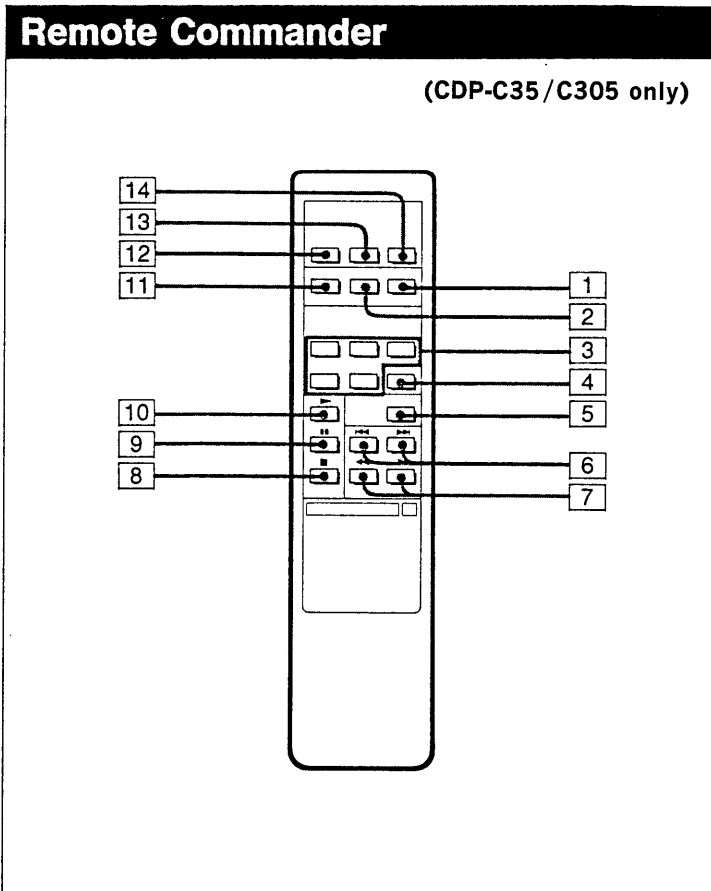
**SECTION 1
GENERAL**

1-1. LOCATION OF CONTROLS



- 1 POWER switch
 - 2 Disc tray
 - 3 ▲ OPEN/CLOSE button
 - 4 Display window
 - 5 DISC SKIP button
 - 6 ◀◀◀/▶▶▶ (AMS*/RMS**: manual search) buttons
 - 7 ■ (stop) button
 - 8 ▶|| (play/pause) button
 - 9 PROGRAM button
 - 10 SHUFFLE button
 - 11 CONTINUE button
 - 12 TIME FADE button
 - 13 REPEAT button
 - 14 TIME button
 - 15 (Headphones) LEVEL control
 - 16 HEADPHONES jack
 - 17 Remote sensor
- } EXCEPT FOR CDP-C201

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

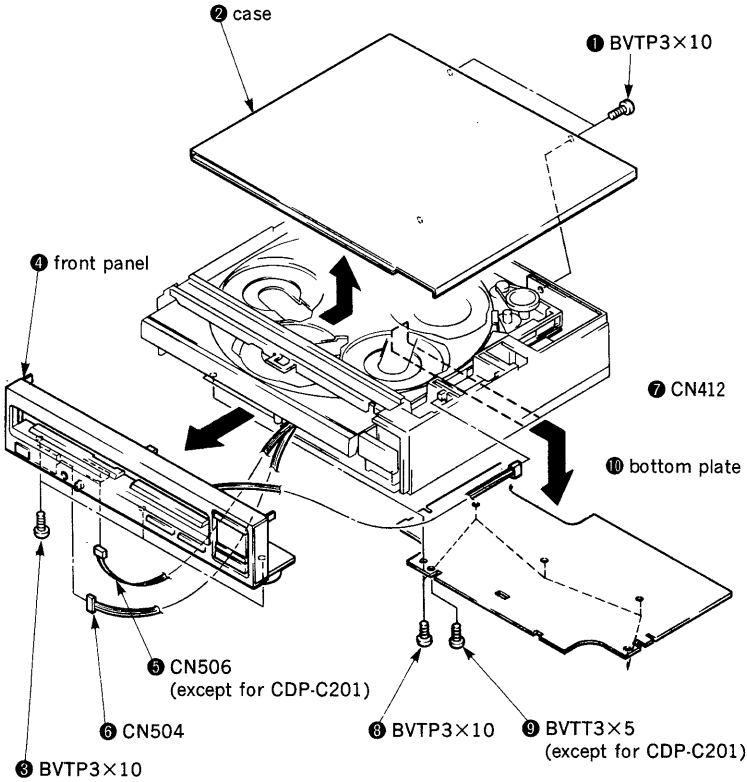


- 1 MUSIC SCAN button
- 2 REPEAT button
- 3 DISC 1 - 5 buttons
- 4 DISC SKIP button
- 5 FADER button
- 6 ◀◀▶▶ (AMS*) buttons
- 7 ◀▶▶▶ (manual search) buttons
- 8 ■ (stop) button
- 9 || (pause) button
- 10 ▶ (play) button
- 11 TIME button
- 12 CONTINUE button
- 13 SHUFFLE button
- 14 PGM (program) button

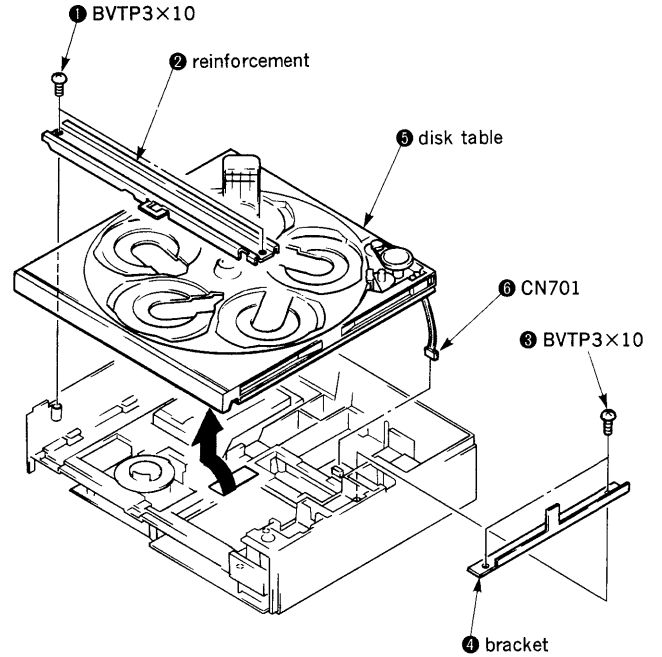
SECTION 2 DIASSEMBLY

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

2-1. FRONT PANEL, CASE AND BOTTOM PLATE

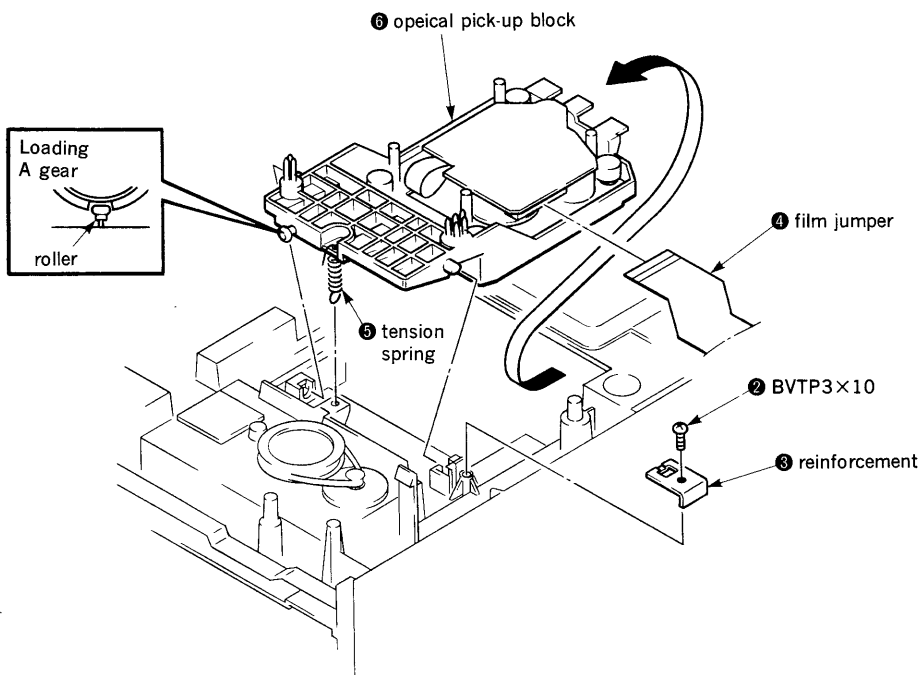


2-2. DISK TABLE



2-3. OPTICAL PICK-UP BLOCK

1 Replace the set up side down.

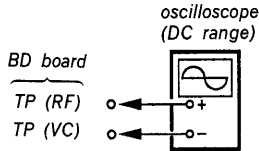


SECTION 3 ELECTRICAL ADJUSTMENTS

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.

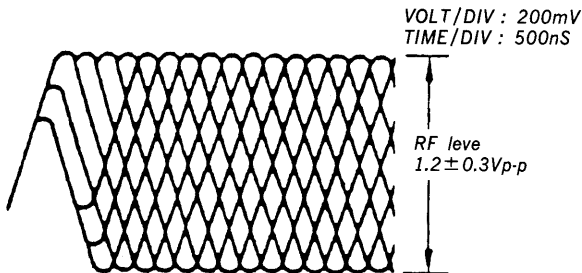
RF Level Check

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.

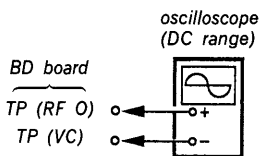
RF signal Reference Waveform (eye pattern)



REFERENCE

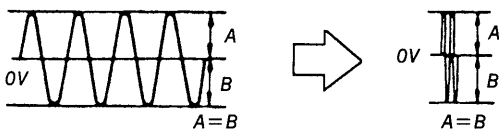
E-F Balance Check

Procedure :



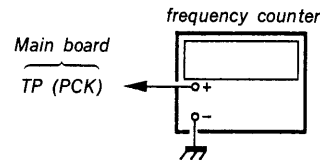
1. Connect test point TP (AF ADJ) and TP (TES) to ground with lead wire.
2. Connect oscilloscope to test point TP (TE O) and TP (VC) on BD board.
3. Turn POWER switch on.
4. Put disc (YEDS-18) in and play back.
5. Confirm that the oscilloscope waveform is symmetrical on the top and bottom in relation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

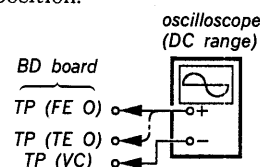
| Gain | Focus | Tracking |
|---|-------|-------------|
| Symptoms | | |
| • The time until music starts becomes longer for STOP →▷ PLAY or automatic selection. (◀◀, ▶▶ buttons pressed.) (Normally takes about 1 seconds.) | low | low or high |
| • Music does not start and disc continues to rotate for 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 |

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.

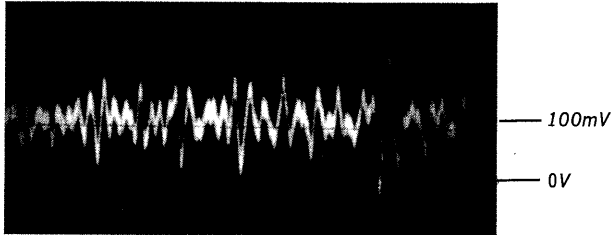
If the positions after the primary adjustment are only a little different, return the controls to the original position.



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)

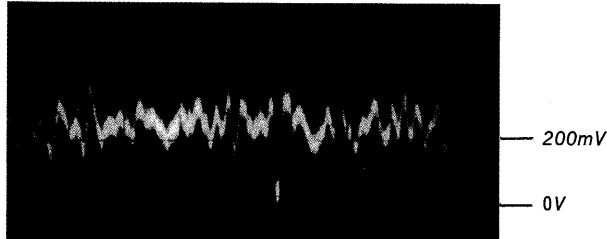
VOLT/DIV : 100mV
TIME/DIV : 2mS



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

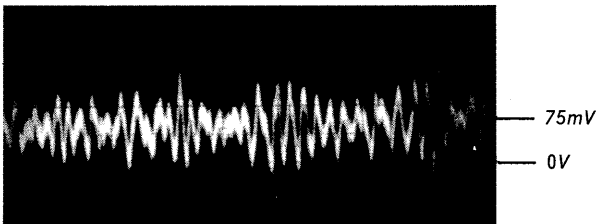
low focus gain

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)

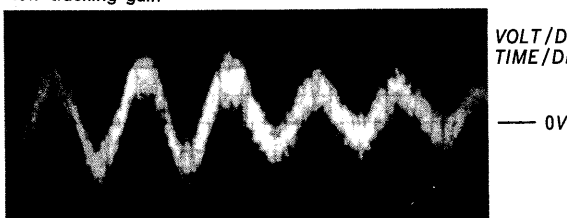
VOLT/DIV : 1V
TIME/DIV : 2mS



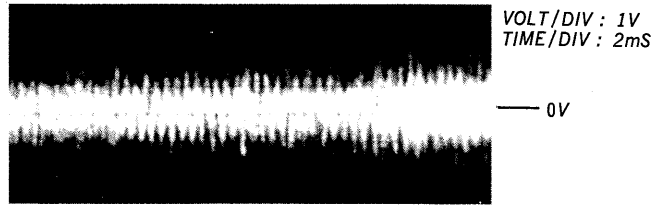
• Incorrect Examples (fundamentia wave appears)

low tracking gain

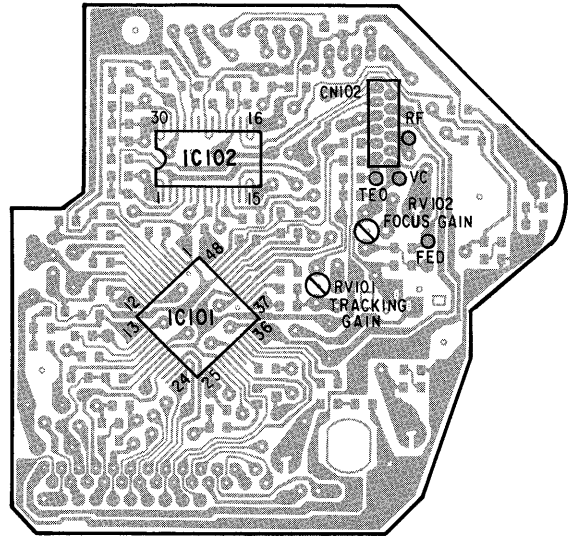
VOLT/DIV : 1V
TIME/DIV : 2mS



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

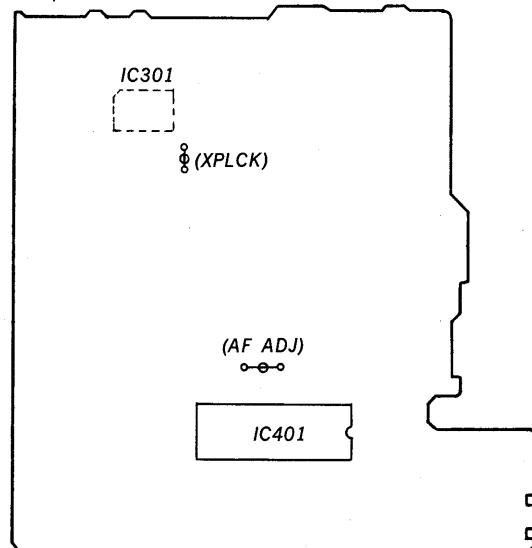


Adjustment Location :
[BD board]



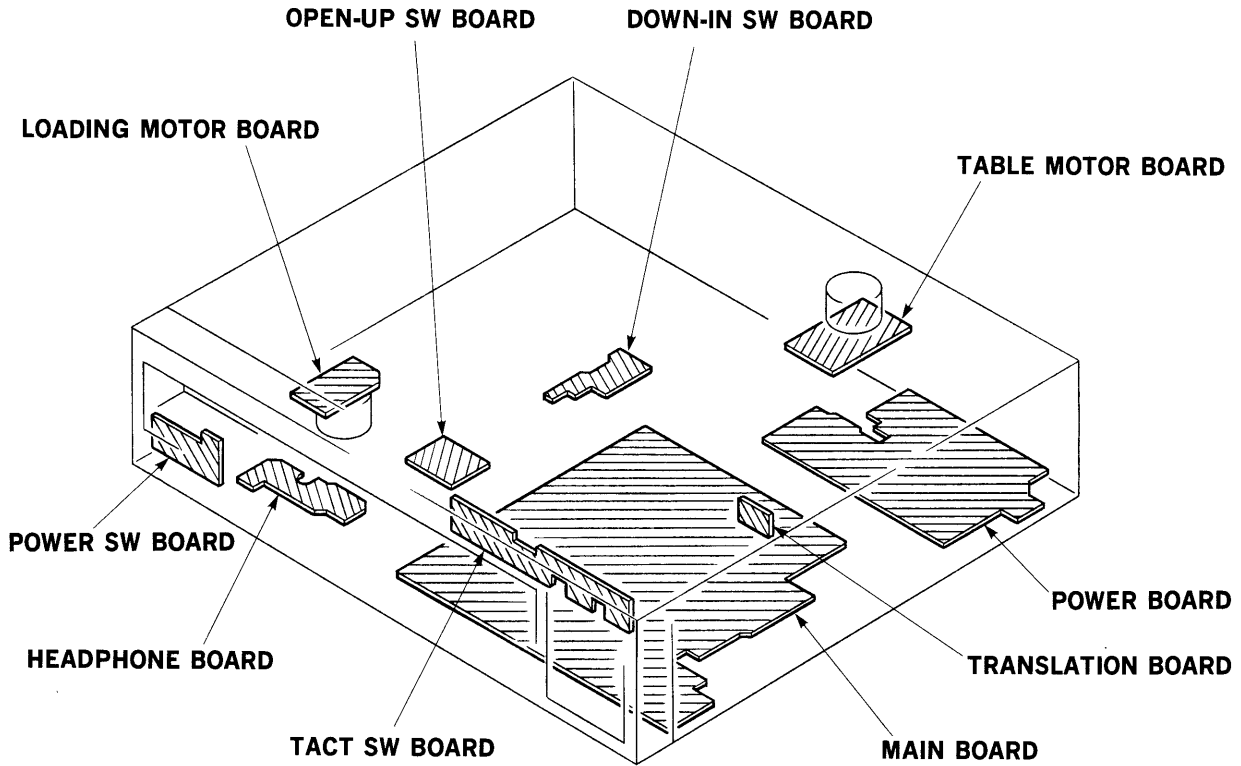
[Main board]

Component side



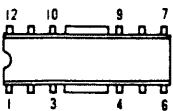
SECTION 4 DIAGRAMS

4-1. CIRCUIT BOARDS LOCATION

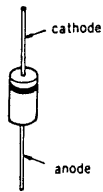


4-2. SEMICONDUCTOR LEAD LAYOUTS

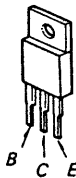
CXA1291P



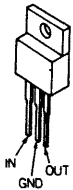
10E2N



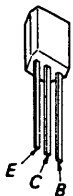
2SB1094-L



MC7808CT



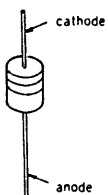
DTA144ES
DTC143TS
DTC144ES



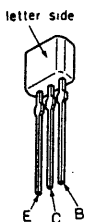
2SD774-34



RD3.9ES-B2
RD4.7ES-B2
1SS202-1



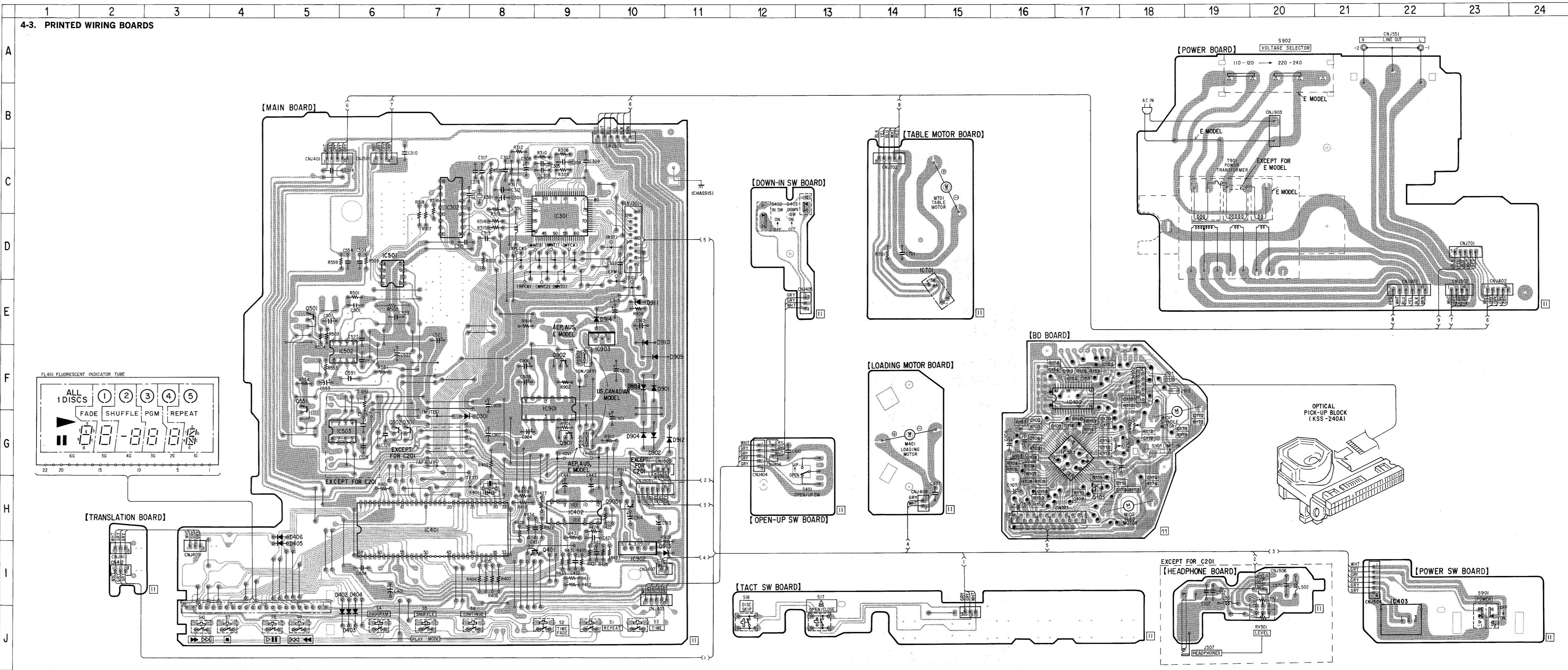
2SA1175-HFE



• 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 |
| 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 |
| IC401 | H-7 |
| IC402 | H-9 |
| IC403 | I-22 |
| IC501 | E-6 |
| IC502 | F-6 |
| IC503 | G-6 |
| 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 |
| Q551 | F-5 |
| Q901 | G-9 |
| Q902 | F-9 |
| Q905 | H-10 |

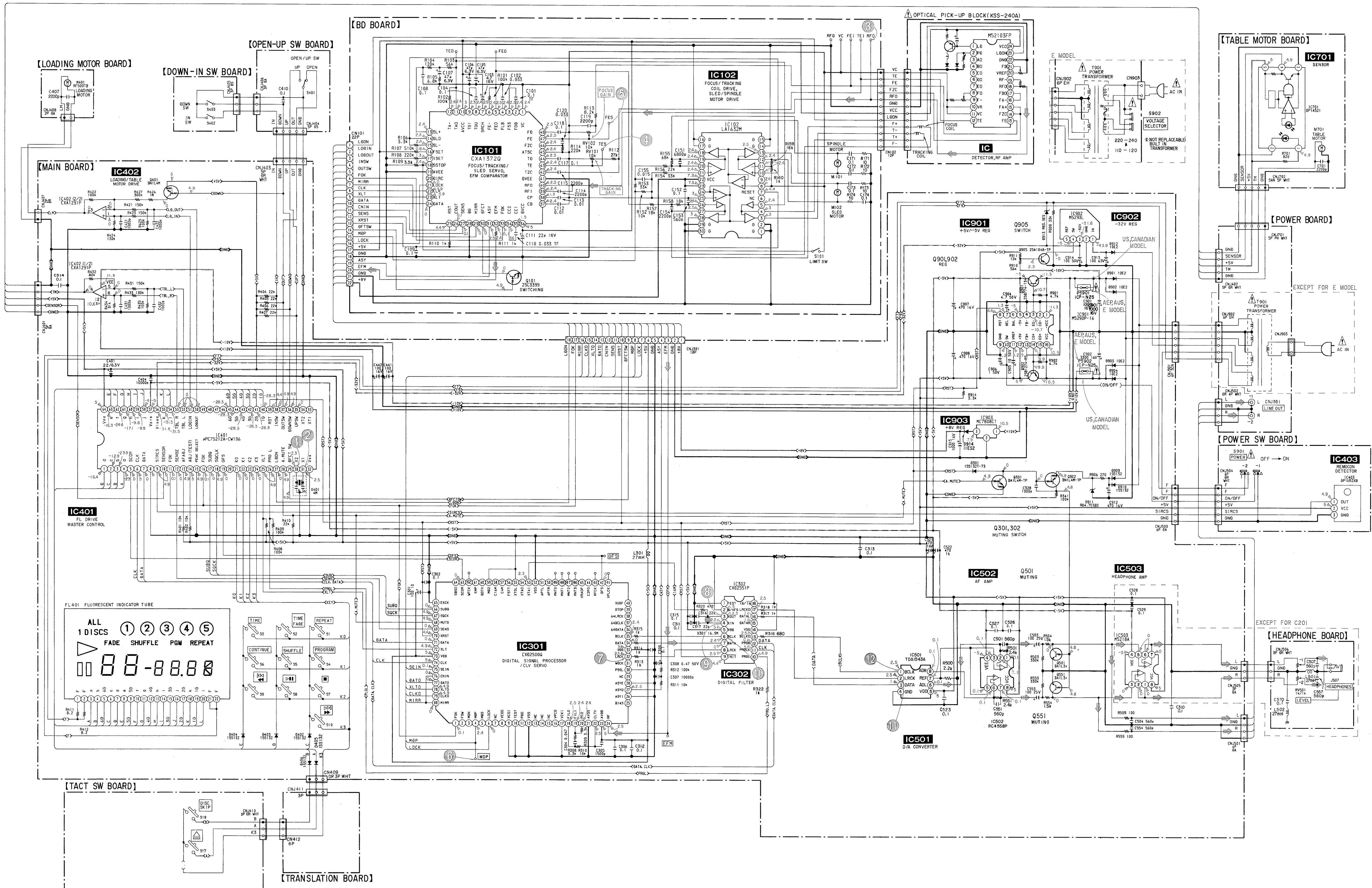
Note:
 ● : parts extracted from the component side.
 ● : Through hole.
 ● : Pattern on the side which is seen.
 ○ : Pattern of the rear side.
 ● AUS: Austrarian Model



4-4. SCHEMATIC DIAGRAM
 Refer to page 19 for IC Block Diagrams.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P



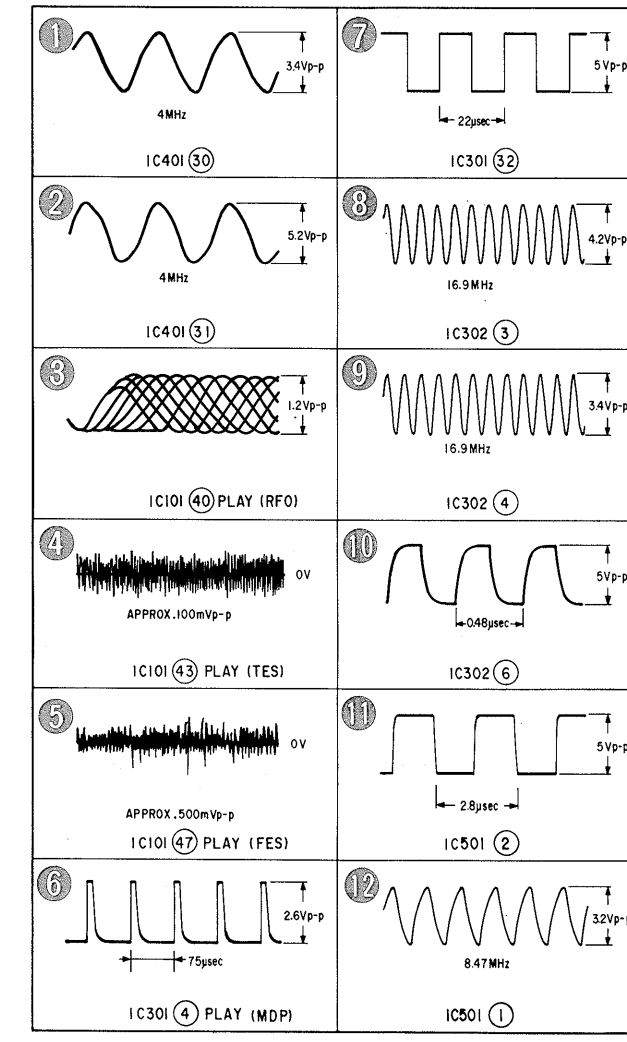
Note:

- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
- : B+ Line
- : B- Line
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions. no mark: STOP
- Voltagess are taken with a VOM (Input Impedance $10\text{M}\Omega$). 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

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

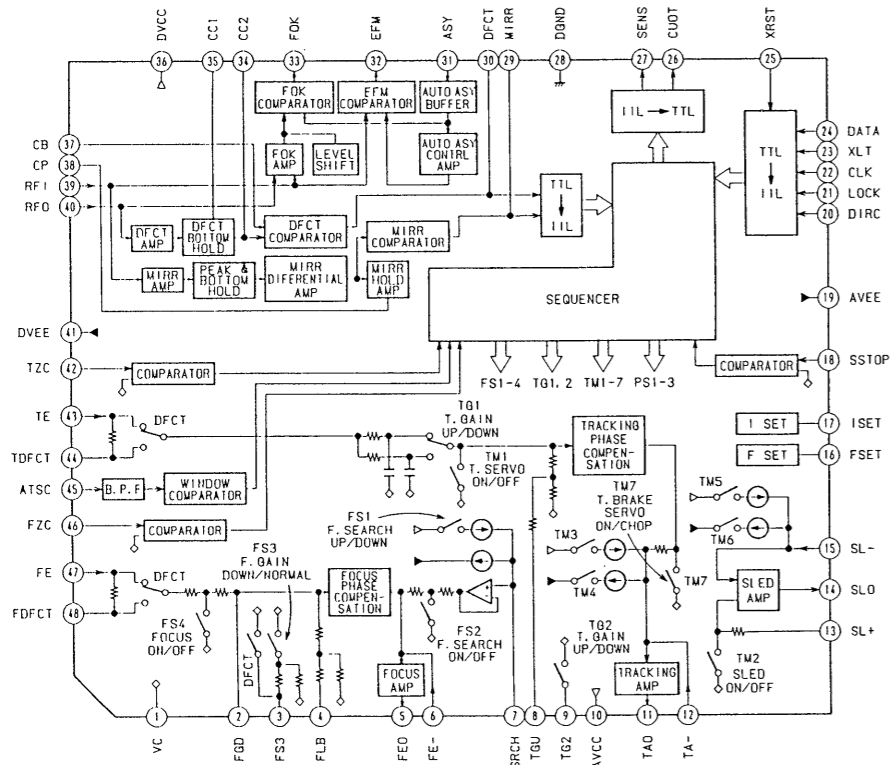
Note: Les composants identifiés par une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

• AUS: Austrian Model

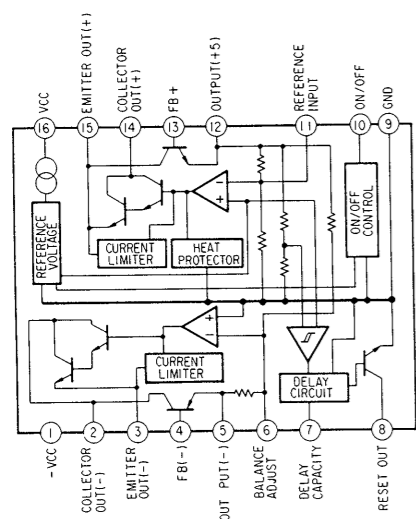


● IC Block Diagrams

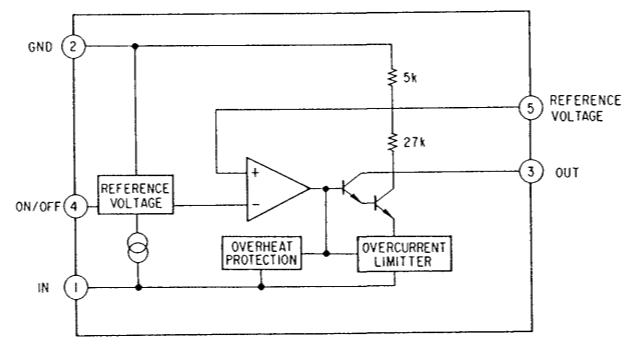
IC101 CXA1372Q



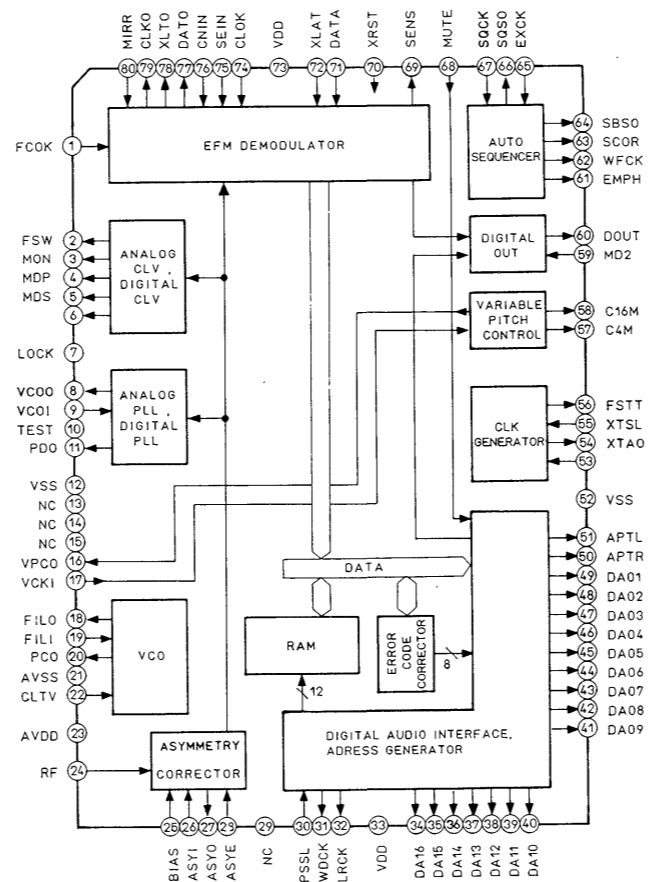
IC901 M5290P-16



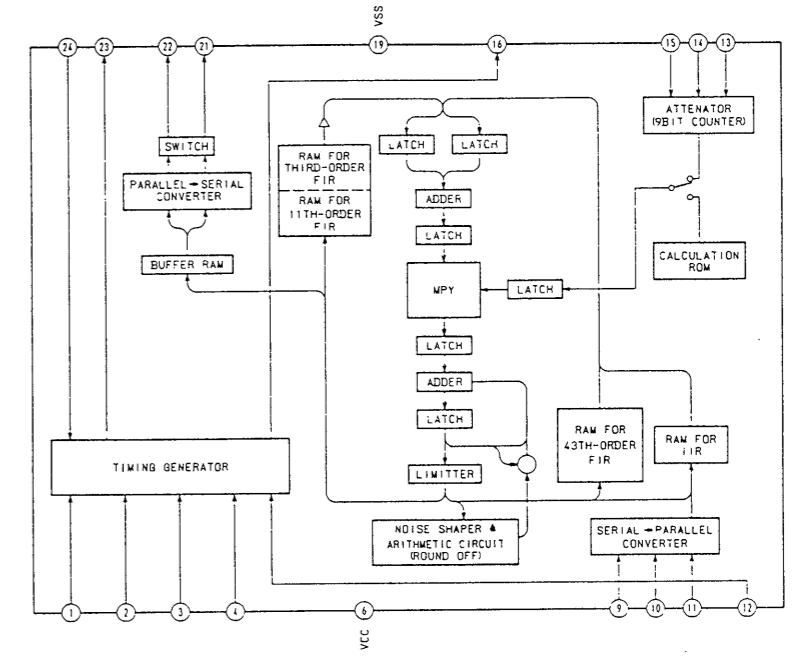
IC902 M5293L



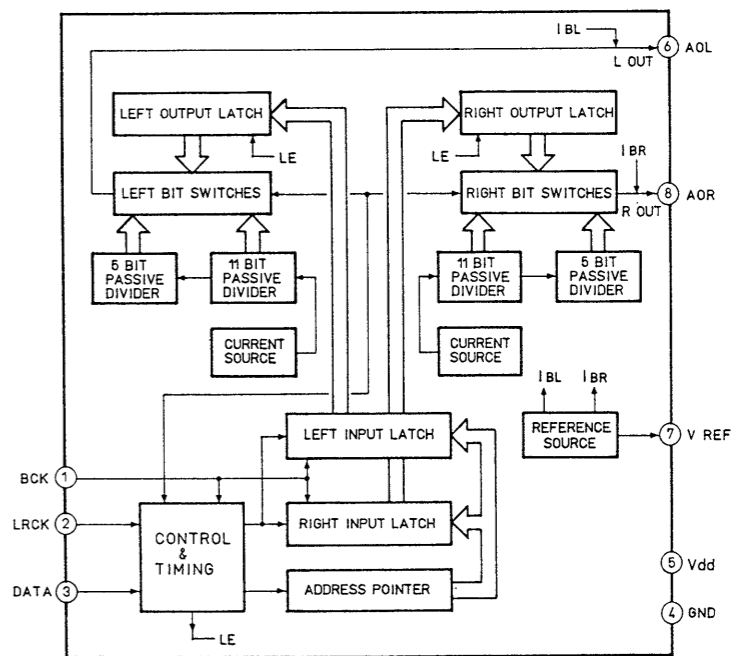
IC301 CXD2500Q



IC302 CXD2551P



IC501 TDA1543A



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)

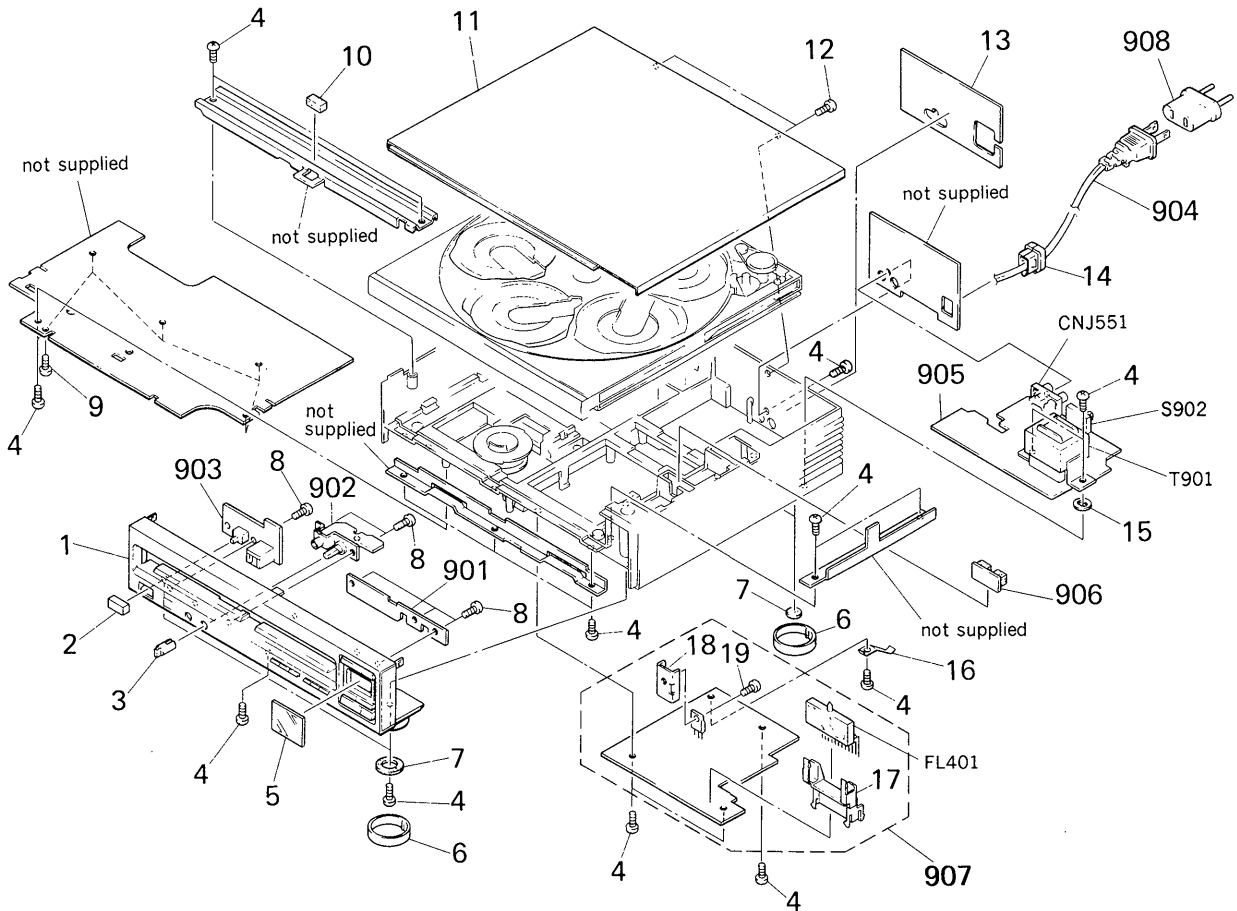
↑ Cabinet's Color ↑ Parts' Color

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.

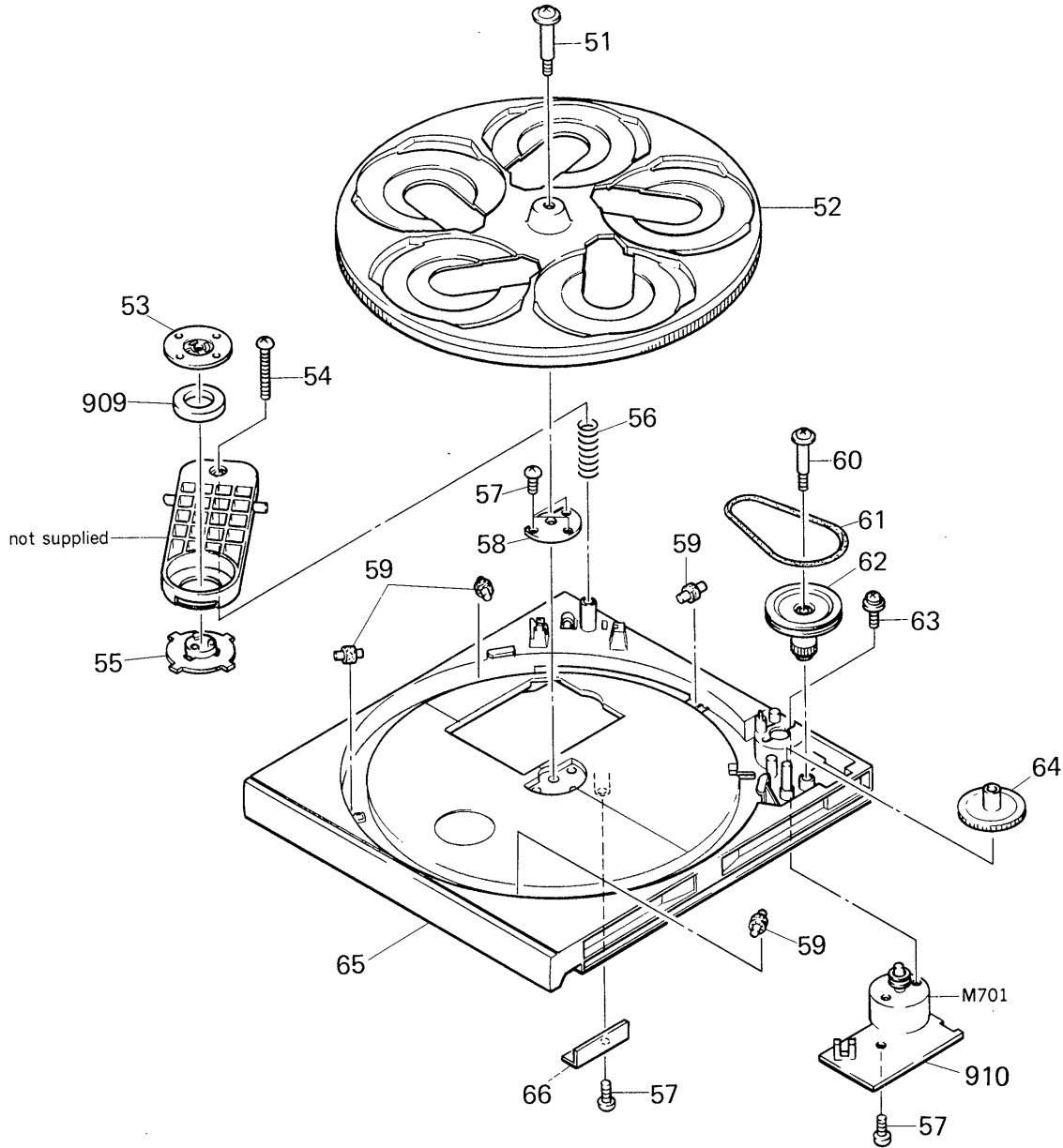
- AUS: Australian Model

5-1. CABINET SECTION



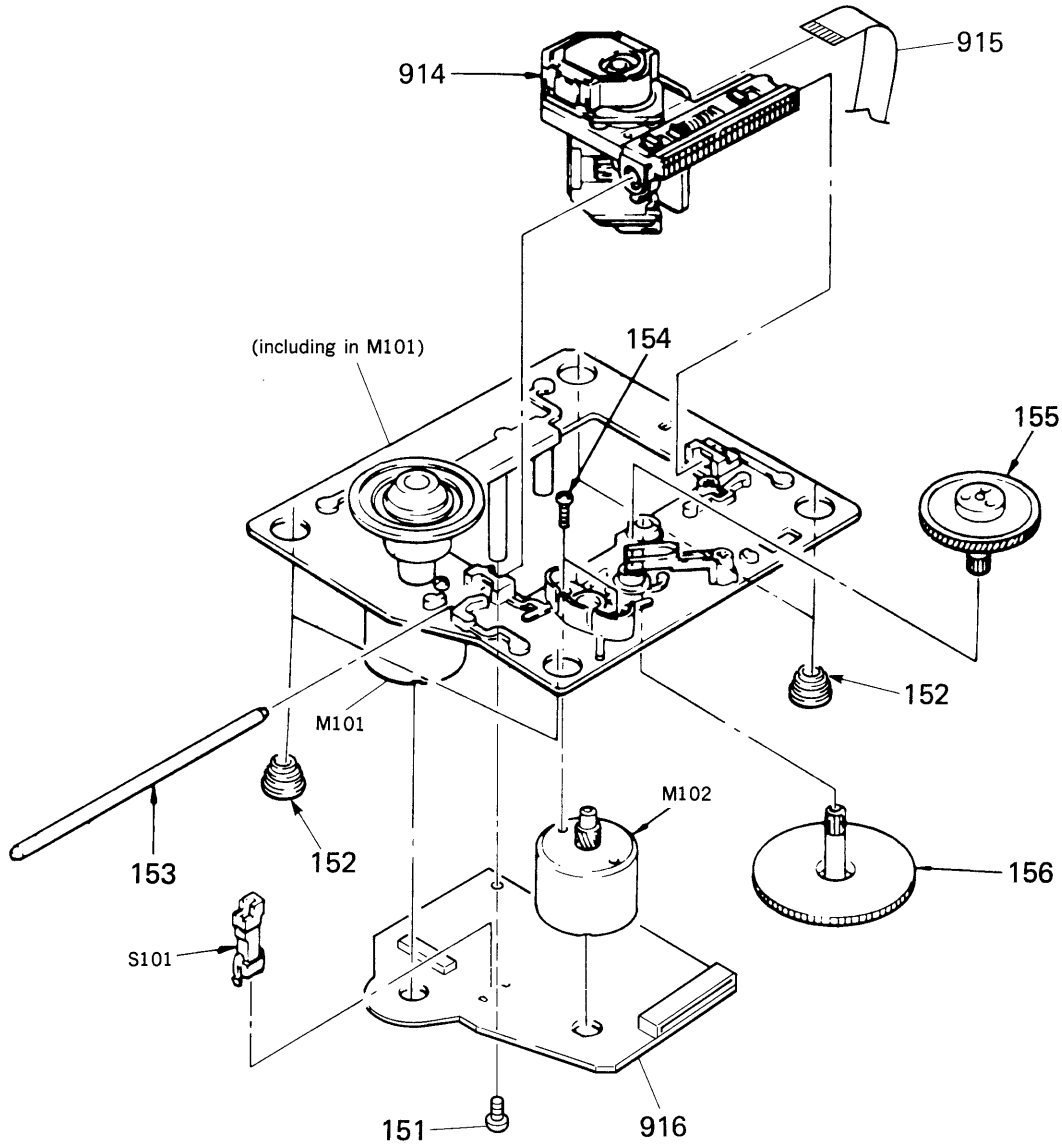
| No. | Part No. | Description | Remarks | No. | Part No. | Description | Remarks |
|-----|---------------|--|---------|-------|---------------------|-------------------------------------|---------|
| 1 | X-4924-452-1 | (C305:US,Canadian)...PANEL ASSY, FRONT | | 15 | 4-870-539-00 | PLATE, GROUND | |
| | X-4924-453-1 | (AEP/E/AUS).....PANEL ASSY, FRONT | | 16 | *4-930-512-01 | PLATE, GROUND | |
| | X-4924-454-1 | (C205).....PANEL ASSY, FRONT | | 17 | *4-926-396-01 | HOLDER (FL) | |
| | X-4924-455-1 | (C201).....PANEL ASSY, FRONT | | 18 | *3-309-144-21 | HEAT SINK | |
| | X-4924-456-1 | (C35).....PANEL ASSY, FRONT | | 19 | 7-682-547-04 | SCREW +BVTT 3X6 (S) | |
| 2 | 4-922-921-01 | BUTTON (POWER) | | 901 | *1-634-804-11 | PC BOARD, TACT SW | |
| 3 | 4-922-531-11 | (EXCEPT C201)...KNOB (A TYPE), LOV | | 902 | *1-634-802-11 | (EXCEPT C201)...PC BOARD, HEADPHONE | |
| 4 | 7-685-647-79 | SCREW +BVTP 3X10 TYPE2 N-S | | 903 | *1-634-803-11 | PC BOARD, POWER SW | |
| 5 | 4-934-367-01 | (EXCEPT C35)...WINDOW (FL) | | 904 | .1-575-104-11 | (E).....CORD, POWER | |
| | 4-934-368-01 | (C35).....WINDOW (FL) | | | .1-575-105-11 | (US,Canadian)...CORD, POWER | |
| 6 | 4-926-398-01 | (AEP/E/AUS)...PLATE, ORNAMENTAL | | | .1-575-453-11 | (AEP).....CORD, POWER | |
| 7 | 4-926-391-01 | FOOT (FELT) | | | .1-575-677-11 | (AUS).....CORD, POWER | |
| 8 | 4-928-635-01 | SCREW, +BV (2.6X8) TAPPING | | 905 | *1-634-806-11 | PC BOARD, POWER | |
| 9 | 7-685-870-01 | SCREW +BVTT 3X5 (S) | | 906 | *1-634-805-11 | PC BOARD, TRANSLATION | |
| 10 | 9-911-842-XX | CUSHION (S) | | 907 | *A-4617-409-A | (C201).....MOUNTED PCB, MAIN | |
| 11 | 4-930-503-21 | CASE | | | *A-4617-411-A | (C35,C205,C305:US/Canadian) | |
| 12 | 4-909-982-31 | SCREW, TAPPING | | | | ...MOUNTED PCB, MAIN | |
| 13 | *4-934-346-01 | (C305:US) | | | *A-4617-415-A | (AEP,E,AUS).....MOUNTED PCB, MAIN | |
| | *4-934-347-01 | ...PLATE (BACK PANEL), INDICATION | | 908 | .1-569-007-11 | (E3)...ADAPTOR, CONVERSION 2P | |
| | | (Canadian) | | | CNJ551 1-566-921-11 | JACK, PIN 2P (LINE OUT) | |
| | *4-934-348-01 | ...PLATE (BACK PANEL), INDICATION | | FL401 | 1-519-582-11 | INDICATOR TUBE, FLUORESCENT | |
| | *4-934-349-01 | (AEP)....PLATE (BACK PANEL), INDICATION | | S902 | .1-571-722-11 | (E)...SWITCH, VOLTAGE SELECTION | |
| | *4-934-350-01 | (AUS)....PLATE (BACK PANEL), INDICATION | | | | (VOLTAGE SELECTOR) | |
| | *4-934-351-01 | (E).....PLATE (BACK PANEL), INDICATION | | T901 | .1-449-954-11 | (US,Canadian)...TRANSFORMER, POWER | |
| | *4-934-351-01 | (C205)....PLATE (BACK PANEL), INDICATION | | T901 | .1-449-955-11 | (AEP/AUS).....TRANSFORMER, POWER | |
| | *4-934-352-01 | (C201)....PLATE (BACK PANEL), INDICATION | | T901 | .1-449-956-11 | (E).....TRANSFORMER, POWER | |
| | *4-934-353-01 | (C35)....PLATE (BACK PANEL), INDICATION | | | | | |
| 14 | *3-703-244-00 | (EXCEPT E)...BUSHING (2104), CORD | | | | | |
| | *3-703-571-11 | (E).....BUSHING (S)(4516), CORD | | | | | |



5-2. DISK TABLE SECTION





| No. | Part No. | Description | Remarks | No. | Part No. | Description | Remarks |
|-----|---------------|----------------------------|---------|------|---------------|-------------------------------------|---------|
| 51 | 4-923-597-01 | SCREW, STEP | | 62 | 4-926-385-01 | GEAR (C) | |
| 52 | *4-926-383-01 | TABLE (B), DISK | | 63 | 7-621-759-35 | +PSW, 2.6X5 | |
| 53 | 4-921-029-01 | YOKE, CHUCKING | | 64 | 4-926-386-01 | GEAR (B) | |
| 54 | 7-682-554-04 | SCREW +B 3X25 | | 65 | 4-934-369-01 | (EXCEPT C35,C205)...TABLE (A), DISK | |
| 55 | 4-921-022-01 | PULLEY, CHUCKING | | | 4-934-369-11 |TABLE (A), DISK | |
| 56 | 4-926-395-01 | SPRING, COMPRESSION | | | 4-934-369-21 | (C35).....TABLE (A), DISK | |
| 57 | 7-685-647-79 | SCREW +BVTP 3X10 TYPE2 N-S | | 66 | *4-926-388-01 | BRACKET (ADJUSTMENT) | |
| 58 | *4-926-387-01 | BRACKET (CENTER SHAFT) | | 909 | 1-452-340-21 | MAGNET | |
| 59 | *X-4924-409-1 | SHAFT (ROLLER B) ASSY | | 910 | *1-634-807-11 | PC BOARD, TABLE MOTOR | |
| 60 | 4-926-384-01 | SCREW, STEP | | M701 | A-4604-232-A | MOTOR ASSY, ROTARY | |
| 61 | 4-926-399-01 | BELT | | | | | |

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



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.

| No. | Part No. | Description | Remarks | No. | Part No. | Description | Remarks |
|-----|--------------|----------------------------|---------|------|---|---------------------------|---------|
| 151 | 7-685-134-19 | SCREW +BTP 2.6X8 TYPE2 N-S | | 914 |  .8-848-144-11 | DEVICE, OPTICAL KSS-240A | |
| 152 | 4-933-126-01 | INSULATOR (A) | | 915 | 1-575-001-11 | WIRE, FLAT TYPE (12 CORE) | |
| 153 | 4-917-565-01 | SHAFT, SLED | | 916 | *A-4617-371-A | MOUNTED PCB, BD | |
| 154 | 7-621-255-15 | SCREW +P 2X3 | | M101 | 1-4917-523-3 | 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 IN) | |

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 μ F.

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.

- AUS: Austrarian Model

| Ref.No. | Part No. | Description | Ref.No. | Part No. | Description |
|---------|------------------------|-------------------------------------|---------|--------------|---------------------------------------|
| 901 | *1-634-804-11 | PC BOARD, TACT SW | C171 | 1-163-038-00 | CERAMIC CHIP 0.1MF 25V |
| 902 | *1-634-802-11 | (EXCEPT C201)...PC BOARD, HEADPHONE | C172 | 1-163-038-00 | CERAMIC CHIP 0.1MF 25V |
| 903 | *1-634-803-11 | PC BOARD, POWER SW | C173 | 1-163-038-00 | CERAMIC CHIP 0.1MF 25V |
| 904 | Δ .1-575-104-11 | (E).....CORD, POWER | C174 | 1-163-038-00 | CERAMIC CHIP 0.1MF 25V |
| | Δ .1-575-105-11 | (US,Canadian)...CORD, POWER | C301 | 1-124-443-00 | ELECT 100MF 20% 10V |
| | Δ .1-575-453-11 | (AEP).....CORD, POWER | C302 | 1-164-159-11 | CERAMIC 0.1MF 50V |
| | Δ .1-575-677-11 | (AUS).....CORD, POWER | C304 | 1-136-161-00 | FILM 0.047MF 5% 50V |
| 905 | *1-634-806-11 | PC BOARD, POWER | C305 | 1-161-374-11 | CERAMIC 0.0015MF 30% 16V |
| 906 | *1-634-805-11 | PC BOARD, TRANSLATION | C306 | 1-164-159-11 | CERAMIC 0.1MF 50V |
| 907 | *A-4617-409-A | (C201).....MOUNTED PCB, MAIN | C307 | 1-161-379-00 | CERAMIC 0.01MF 30% 16V |
| | *A-4617-411-A | (C35,C205,C305:US/Canadian) | C308 | 1-124-902-00 | ELECT 0.47MF 20% 50V |
| | *A-4617-415-A | (AEP,E,AUS).....MOUNTED PCB, MAIN | C309 | 1-164-159-11 | CERAMIC 0.1MF 50V |
| 908 | Δ .1-569-007-11 | (E3)...ADAPTOR, CONVERSTION 2P | C310 | 1-164-159-11 | CERAMIC 0.1MF 50V |
| 909 | 1-452-340-21 | MAGNET | C311 | 1-164-159-11 | CERAMIC 0.1MF 50V |
| 910 | *1-634-807-11 | PC BOARD, TABLE MOTOR | C312 | 1-164-159-11 | CERAMIC 0.1MF 50V |
| 911 | *1-634-808-11 | PC BOARD, LOADING MOTOR | C313 | 1-164-159-11 | CERAMIC 0.1MF 50V |
| 912 | *1-634-810-11 | PC BOARD, OPEN-UP SW | C314 | 1-164-159-11 | CERAMIC 0.1MF 50V |
| 913 | *1-634-809-11 | PC BOARD, DOWN-IN SW | C315 | 1-164-159-11 | CERAMIC 0.1MF 50V |
| 914 | Δ .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 |
| 916 | *A-4617-371-A | MOUNTED PCB, BD | C328 | 1-162-294-31 | CERAMIC 0.001MF 10% 50V |
| C101 | 1-163-038-00 | CERAMIC CHIP 0.1MF 25V | C401 | 1-124-638-11 | ELECT 22MF 20% 6.3V |
| C102 | 1-163-989-11 | CERAMIC CHIP 0.033MF 10% 25V | C404 | 1-161-379-00 | CERAMIC 0.01MF 30% 16V |
| C103 | 1-126-094-11 | ELECT 4.7MF 20% 16V | C407 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C104 | 1-163-038-00 | CERAMIC CHIP 0.1MF 25V | C410 | 1-164-159-11 | CERAMIC 0.1MF 50V |
| C105 | 1-126-154-11 | ELECT 47MF 20% 6.3V | C421 | 1-162-294-31 | CERAMIC 0.001MF 10% 50V |
| C106 | 1-126-154-11 | ELECT 47MF 20% 6.3V | C422 | 1-162-294-31 | CERAMIC 0.001MF 10% 50V |
| C107 | 1-126-154-11 | ELECT 47MF 20% 6.3V | C431 | 1-162-294-31 | CERAMIC 0.001MF 10% 50V |
| C108 | 1-163-038-00 | CERAMIC CHIP 0.1MF 25V | C432 | 1-162-294-31 | CERAMIC 0.001MF 10% 50V |
| C109 | 1-163-038-00 | CERAMIC CHIP 0.1MF 25V | C441 | 1-126-101-11 | ELECT 100MF 20% 16V |
| C110 | 1-163-989-11 | CERAMIC CHIP 0.033MF 10% 25V | C442 | 1-126-101-11 | ELECT 100MF 20% 16V |
| C111 | 1-131-367-00 | TANTALUM 22MF 20% 16V | C501 | 1-162-291-31 | CERAMIC 560PF 10% 50V |
| C112 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% 50V | C503 | 1-124-478-11 | ELECT 100MF 20% 25V |
| C113 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% 50V | C504 | 1-162-291-31 | CERAMIC 560PF 10% 50V |
| C114 | 1-164-161-11 | CERAMIC CHIP 0.0022MF 10% 50V | C507 | 1-162-291-31 | (EXCEPT C201)...CERAMIC 560PF 10% 50V |
| C115 | 1-164-161-11 | CERAMIC CHIP 0.0022MF 10% 50V | C521 | 1-126-103-11 | ELECT 470MF 20% 16V |
| C117 | 1-163-038-00 | CERAMIC CHIP 0.1MF 25V | C522 | 1-126-103-11 | ELECT 470MF 20% 16V |
| C118 | 1-163-038-00 | CERAMIC CHIP 0.1MF 25V | C523 | 1-164-159-11 | CERAMIC 0.1MF 50V |
| C119 | 1-164-161-11 | CERAMIC CHIP 0.0022MF 10% 50V | C526 | 1-164-159-11 | CERAMIC 0.1MF 50V |
| C120 | 1-163-989-11 | CERAMIC CHIP 0.033MF 10% 25V | C527 | 1-164-159-11 | CERAMIC 0.1MF 50V |
| C151 | 1-163-019-00 | CERAMIC CHIP 0.0068MF 10% 50V | C528 | 1-164-159-11 | (EXCEPT C201)...CERAMIC 0.1MF 50V |
| C152 | 1-163-038-00 | CERAMIC CHIP 0.1MF 25V | C529 | 1-164-159-11 | (EXCEPT C201)...CERAMIC 0.1MF 50V |
| C153 | 1-163-006-11 | CERAMIC CHIP 560PF 10% 50V | C551 | 1-162-291-31 | CERAMIC 560PF 10% 50V |
| C154 | 1-164-161-11 | CERAMIC CHIP 0.0022MF 10% 50V | C553 | 1-124-478-11 | ELECT 100MF 20% 25V |
| C155 | 1-163-023-00 | CERAMIC CHIP 0.015MF 10% 50V | C554 | 1-162-291-31 | CERAMIC 560PF 10% 50V |

| Ref.No. | Part No. | Description | | | |
|----------|--------------|--------------------------------|----------|-----|-----|
| C557 | 1-162-291-31 | (EXCEPT C201)...CERAMIC | 560PF | 10% | 50V |
| C570 | 1-164-159-11 | (EXCEPT C201)...CERAMIC | 0.1MF | | 50V |
| C701 | 1-161-375-00 | CERAMIC | 0.0022MF | 30% | 16V |
| C901 | 1-124-360-00 | ELECT | 1000MF | 20% | 16V |
| C902 | 1-124-887-00 | ELECT | 3300MF | 20% | 16V |
| C904 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C905 | 1-123-875-11 | ELECT | 10MF | 20% | 50V |
| C906 | 1-124-791-11 | ELECT | 1MF | 20% | 50V |
| C907 | 1-126-103-11 | ELECT | 470MF | 20% | 16V |
| C908 | 1-126-103-11 | ELECT | 470MF | 20% | 16V |
| C912 | 1-126-103-11 | ELECT | 470MF | 20% | 16V |
| C913 | 1-124-572-11 | ELECT | 100MF | 20% | 63V |
| C914 | 1-124-122-11 | ELECT | 100MF | 20% | 50V |
| C915 | 1-124-360-00 | ELECT | 1000MF | 20% | 16V |
| CN101 | 1-568-796-11 | SOCKET, CONNECTOR | 22P | | |
| CN102 | 1-568-795-11 | SOCKET, CONNECTOR | 12P | | |
| CNJ301 | 1-568-468-11 | SOCKET, CONNECTOR | 18P | | |
| CNJ402*1 | 1-564-339-61 | PIN, CONNECTOR | 5P | | |
| CNJ403*1 | 1-564-339-00 | PIN, CONNECTOR | 5P | | |
| CNJ407*1 | 1-564-336-00 | PIN, CONNECTOR | 2P | | |
| CNJ411*1 | 1-564-337-00 | PIN, CONNECTOR | 3P | | |
| CNJ502*1 | 1-564-338-00 | PIN, CONNECTOR | 4P | | |
| CNJ504*1 | 1-564-499-11 | PIN, CONNECTOR | 6P | | |
| CNJ506*1 | 1-564-337-00 | (EXCEPT C201)...PIN, CONNECTOR | 3P | | |
| CNJ551 | 1-566-921-11 | JACK, PIN 2P (LINE OUT) | | | |
| CNJ701*1 | 1-564-707-11 | PIN, CONNECTOR (SMALL TYPE) | 5P | | |
| CNJ902*1 | 1-564-509-11 | PLUG, CONNECTOR | 6P | | |
| CNJ903*1 | 1-564-321-00 | PIN, CONNECTOR | 2P | | |
| D301 | 8-719-107-94 | DIODE 1SS202-1 | | | |
| D402 | 8-719-107-94 | DIODE 1SS202-1 | | | |
| D403 | 8-719-107-94 | DIODE 1SS202-1 | | | |
| D404 | 8-719-107-94 | DIODE 1SS202-1 | | | |
| D405 | 8-719-107-94 | DIODE 1SS202-1 | | | |
| D406 | 8-719-107-94 | DIODE 1SS202-1 | | | |
| D901 | 8-719-200-77 | DIODE 10E2N | | | |
| D902 | 8-719-200-77 | DIODE 10E2N | | | |
| D903 | 8-719-200-77 | DIODE 10E2N | | | |
| D904 | 8-719-200-77 | DIODE 10E2N | | | |
| D909 | 8-719-107-94 | DIODE 1SS202-1 | | | |
| D910 | 8-719-107-94 | DIODE 1SS202-1 | | | |
| D911 | 8-719-109-81 | DIODE RD4.7ES-B2 | | | |
| D912 | 8-719-200-77 | DIODE 10E2N | | | |
| D913 | 8-719-109-72 | DIODE RD3.9ES-B2 | | | |
| D914 | 8-719-200-82 | DIODE 11ES2 | | | |
| FL401 | 1-519-582-11 | INDICATOR TUBE, FLUORESCENT | | | |
| IC101 | 8-752-037-33 | IC CXA1372Q | | | |
| IC102 | 8-759-821-94 | IC LA6532M | | | |
| IC301 | 8-752-333-31 | IC CXD2500Q | | | |
| IC302 | 8-752-334-06 | IC CXD2551P | | | |
| IC401 | 8-759-149-33 | IC UPD75212ACW-196 | | | |
| IC402 | 8-752-035-28 | IC CXA1291P | | | |
| IC403 | 8-749-920-83 | IC GPIU52XB | | | |
| IC501 | 8-759-990-13 | IC TDA1543A-S1 | | | |
| IC502 | 8-759-945-58 | IC RC4558P | | | |
| IC503 | 8-759-634-51 | (EXCEPT C201)...IC M5218AP | | | |
| IC701 | 8-719-970-19 | IC GP-1A521 | | | |

| Ref.No. | Part No. | Description | | | |
|---------|---------------|---|-------|----|-------|
| IC901 | 8-759-630-21 | IC M5290P-16 | | | |
| IC902 | 8-759-633-42 | IC M5293L | | | |
| IC903 | 8-759-013-08 | IC MC7808CT | | | |
| J101 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| J102 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| J507 | 1-568-519-21 | (EXCEPT C201)...JACK, LARGE TYPE (HEADPHONES) | | | |
| L301 | *1-410-858-11 | INDUCTOR | 27MMH | | |
| L501 | *1-410-858-11 | (EXCEPT C201)...INDUCTOR | 27MMH | | |
| L502 | *1-410-858-11 | (EXCEPT C201)...INDUCTOR | 27MMH | | |
| M101 | 1-4917-523-3 | MOTOR ASSY (SPINDLE) | | | |
| M102 | X-4917-504-1 | MOTOR ASSY (SLED) | | | |
| M401 | A-4604-228-A | MOTOR ASSY, LOADING | | | |
| M701 | A-4604-232-A | MOTOR ASSY, ROTARY | | | |
| PS901A | 1-532-637-00 | (AEP/E/AUS)...LINK, IC ICP-N25 (1A) | | | |
| PS902A | 1-532-637-00 | (AEP/E/AUS)...LINK, IC ICP-N25 (1A) | | | |
| Q101 | 8-729-901-01 | TRANSISTOR DTC144EK | | | |
| Q301 | 8-729-900-89 | TRANSISTOR DTC144ES | | | |
| Q302 | 8-729-900-65 | TRANSISTOR DTA144ES | | | |
| Q401 | 8-729-900-65 | TRANSISTOR DTA144ES | | | |
| Q501 | 8-729-900-74 | TRANSISTOR DTC143TS | | | |
| Q551 | 8-729-900-74 | TRANSISTOR DTC143TS | | | |
| Q901 | 8-729-140-96 | TRANSISTOR 2SD774-34 | | | |
| Q902 | 8-729-111-67 | TRANSISTOR 2SB1094-L | | | |
| Q905 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | |
| R101 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R102 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R103 | 1-216-091-00 | METAL GLAZE | 56K | 5% | 1/10W |
| R104 | 1-216-099-00 | METAL GLAZE | 120K | 5% | 1/10W |
| R105 | 1-216-069-00 | METAL GLAZE | 6.8K | 5% | 1/10W |
| R106 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R107 | 1-216-114-00 | METAL GLAZE | 510K | 5% | 1/10W |
| R108 | 1-216-105-00 | METAL GLAZE | 220K | 5% | 1/10W |
| R109 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R110 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R111 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R112 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/10W |
| R113 | 1-216-071-00 | METAL GLAZE | 8.2K | 5% | 1/10W |
| R114 | 1-216-105-00 | METAL GLAZE | 220K | 5% | 1/10W |
| R152 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R153 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R154 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R155 | 1-216-093-00 | METAL GLAZE | 68K | 5% | 1/10W |
| R156 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R157 | 1-216-079-00 | METAL GLAZE | 18K | 5% | 1/10W |
| R158 | 1-216-079-00 | METAL GLAZE | 18K | 5% | 1/10W |
| R159 | 1-216-079-00 | METAL GLAZE | 18K | 5% | 1/10W |
| R160 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R171 | 1-216-001-00 | METAL GLAZE | 10 | 5% | 1/10W |
| R172 | 1-216-001-00 | METAL GLAZE | 10 | 5% | 1/10W |
| R173 | 1-216-001-00 | METAL GLAZE | 10 | 5% | 1/10W |
| R174 | 1-216-001-00 | METAL GLAZE | 10 | 5% | 1/10W |
| R308 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W |
| R309 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W |
| R310 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R311 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R312 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R313 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |

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.

| Ref.No. | Part No. | Description | | | |
|---------|--------------|---|------|----|------|
| R314 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R315 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R316 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W |
| R317 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R318 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R320 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R322 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R341 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R401 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R402 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R404 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R405 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R406 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R407 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R408 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R409 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R410 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R411 | 1-249-392-11 | CARBON | 8.2 | 5% | 1/4W |
| R412 | 1-249-392-11 | CARBON | 8.2 | 5% | 1/4W |
| R421 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W |
| R422 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R423 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W |
| R424 | 1-247-882-11 | CARBON | 130K | 5% | 1/4W |
| R425 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R426 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R427 | 1-247-890-11 | CARBON | 300K | 5% | 1/4W |
| R431 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W |
| R432 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W |
| R433 | 1-247-882-11 | CARBON | 130K | 5% | 1/4W |
| R434 | 1-247-878-00 | CARBON | 91K | 5% | 1/4W |
| R435 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R500 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R501 | 1-247-840-00 | CARBON | 2.4K | 5% | 1/4W |
| R503 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W |
| R504 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W |
| R509 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W |
| R551 | 1-247-840-00 | CARBON | 2.4K | 5% | 1/4W |
| R553 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W |
| R554 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W |
| R559 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W |
| R701 | 1-249-416-11 | CARBON | 820 | 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 |
| R906 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W |
| R909 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R910 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W |
| R911 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R914 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W |
| RV101 | 1-238-016-11 | RES, ADJ, CARBON 10K | | | |
| RV102 | 1-238-016-11 | RES, ADJ, CARBON 10K | | | |
| RV501 | 1-241-031-11 | (EXCEPT C201)...RES, VAR, CARBON 1K/1K (HEADPHONES LEVEL) | | | |

| Ref.No. | Part No. | Description |
|---------|----------------|--|
| S1 | 1-554-088-00 | SWITCH, KEY BOARD (REPEAT) |
| S2 | 1-554-088-00 | SWITCH, KEY BOARD (TIME FADE) |
| S3 | 1-554-088-00 | SWITCH, KEY BOARD (TIME) |
| S4 | 1-554-088-00 | SWITCH, KEY BOARD (PROGRAM) |
| S5 | 1-554-088-00 | SWITCH, KEY BOARD (SHUFFLE) |
| S6 | 1-554-088-00 | SWITCH, KEY BOARD (CONTINUE) |
| S7 | 1-554-088-00 | SWITCH, KEY BOARD (■) |
| S8 | 1-554-088-00 | SWITCH, KEY BOARD (▷◁) |
| S9 | 1-554-088-00 | SWITCH, KEY BOARD (◀◀▶▶) |
| S10 | 1-554-088-00 | SWITCH, KEY BOARD (▶▶ ▷▷◁) |
| S17 | 1-554-596-21 | SWITCH, KEY BOARD (⊆ OPEN/CLOSE) |
| S18 | 1-554-596-21 | SWITCH, KEY BOARD (DISC SKIP) |
| S101 | 1-572-085-11 | SWITCH, LEAF (LIMIT IN) |
| S401 | 1-571-300-11 | SWITCH, ROTARY (OPEN/UP) |
| S402 | 1-554-205-00 | SWITCH, PUSH (IN) |
| S403 | 1-570-973-11 | SWITCH (DOWN) |
| S901 | △.1-571-305-11 | SWITCH, PUSH (1 KEY)(POWER) |
| S902 | △.1-571-722-11 | (E)...SWITCH, VOLTAGE SELECTION (VOLTAGE SELECTOR) |
| T901 | △.1-449-954-11 | (US,Canadian)...TRANSFORMER, POWER |
| T901 | △.1-449-955-11 | (AEP/AUS).....TRANSFORMER, POWER |
| T901 | △.1-449-956-11 | (E).....TRANSFORMER, POWER |
| X301 | 1-567-908-21 | VIBRATOR, CRYSTAL (16MHz) |
| X401 | 1-577-358-21 | VIBRATOR, CERAMIC (4MHz) |

ACCESSORY & PACKING MATERIAL

| | |
|---------------|--|
| 1-465-398-11 | (EXCEPT C201,C205)...COMMANDER, REMOTE (RM-D306) |
| 2-181-754-01 | (EXCEPT C201,C205)...COVER, BATTERY |
| 1-559-533-11 | CORD, CONNECTION |
| *3-701-630-00 | BAG, POLYETHYLENE |
| *3-704-217-01 | (EXCEPT AEP/E/AUS)...LABEL(CERTIFICATION) |
| 3-751-430-11 | (Canadian/AEP/E)...MANUAL, INSTRUCTION (ENGLISH,FRENCH,SPANISH,PORTUGUESE) |
| 3-751-430-21 | (C201,C205,C305:US/AUS) ...MANUAL, INSTRUCTION (ENGLISH) |
| 3-751-430-41 | (AEP)...MANUAL, INSTRUCTION (GERMAN,DUTCH,SWEDISH,ITALIAN) |
| 3-751-431-21 | (C35)...MANUAL, INSTRUCTION (ENGLISH) |
| 4-930-510-01 | PLATE, LOCK |
| *4-937-901-01 | CUSHION (FRONT) |
| *4-937-902-01 | CUSHION (REAR) |
| *4-937-903-11 | (C305)....INDIVIDUAL CARTON |
| *4-937-903-21 | (C35)....INDIVIDUAL CARTON |
| *4-937-903-31 | (C205)....INDIVIDUAL CARTON |
| *4-937-903-41 | (C201)....INDIVIDUAL CARTON |

Note:

The components identified by mark △ or dot-ted 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.

CDP-C35/C201/C205/C305

SONY SERVICE MANUAL

US Model
CDP-C35/C201/C205/C305

Canadian Model

AEP Model

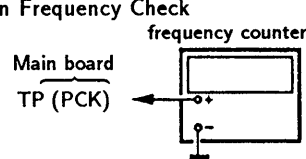
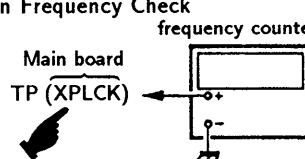
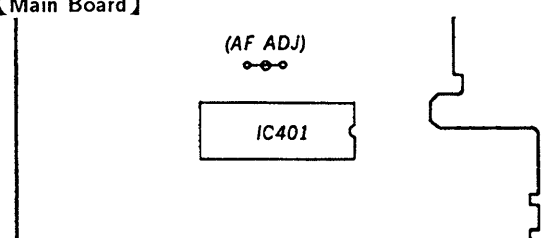
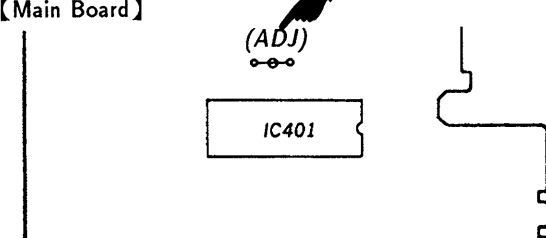
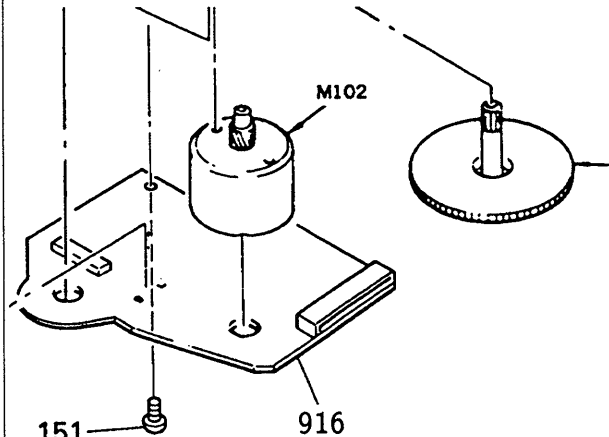
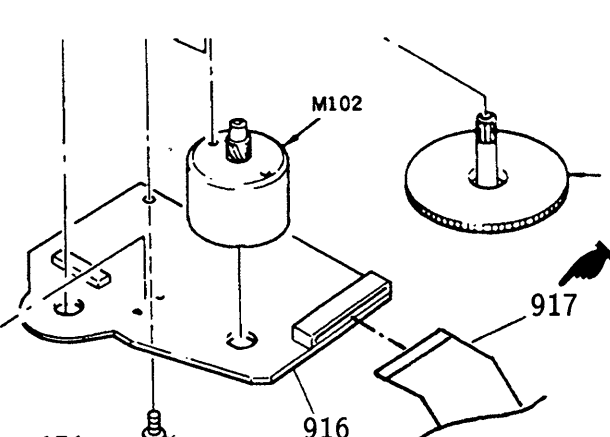
E Model

Australian Model
CDP-C305

CORRECTION-1

Correct your service manual as shown below.

 : indicates corrected portion.

| Page | INCORRECT | CORRECT | | | | | | | | | | | | | | | |
|------|---|--|----------|-------------|------|--------------|----------------------|---|-----|----------|-------------|------|--------------|----------------------|-----|--------------|------------------------------|
| 7 | <p>E-F Blance Check</p> <p>Procedure :</p> <p>1. Connect test point TP (AFADJ) and TP (TES) to ground with lead wire.</p> | <p>E-F Blance Check</p> <p>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</p> <p>Procedure :</p>  | <p>RF PLL Free-run Frequency Check</p> <p>Procedure :</p>  | | | | | | | | | | | | | | | |
| 8 | <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>M101</td> <td>1-4917-523-3</td> <td>MOTOR ASSY (SPINDLE)</td> </tr> </tbody> </table> | No. | Part No. | Description | M101 | 1-4917-523-3 | MOTOR ASSY (SPINDLE) | <table border="1"> <thead> <tr> <th>No.</th> <th>Part No.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>M101</td> <td>X-4917-523-3</td> <td>MOTOR ASSY (SPINDLE)</td> </tr> <tr> <td>917</td> <td>1-535-847-11</td> <td>JUMPER, FILM (WITH TERMINAL)</td> </tr> </tbody> </table> | No. | Part No. | Description | M101 | X-4917-523-3 | MOTOR ASSY (SPINDLE) | 917 | 1-535-847-11 | JUMPER, FILM (WITH TERMINAL) |
| No. | Part No. | Description | | | | | | | | | | | | | | | |
| M101 | 1-4917-523-3 | MOTOR ASSY (SPINDLE) | | | | | | | | | | | | | | | |
| No. | Part No. | Description | | | | | | | | | | | | | | | |
| M101 | X-4917-523-3 | MOTOR ASSY (SPINDLE) | | | | | | | | | | | | | | | |
| 917 | 1-535-847-11 | JUMPER, FILM (WITH TERMINAL) | | | | | | | | | | | | | | | |

CDP-C35/C201/C205/C305

SONY SERVICE MANUAL

US Model
CDP-C35/C201/C205/C305

Canadian Model

AEP Model

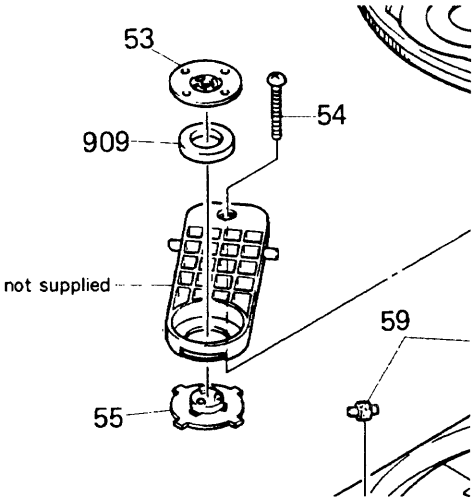
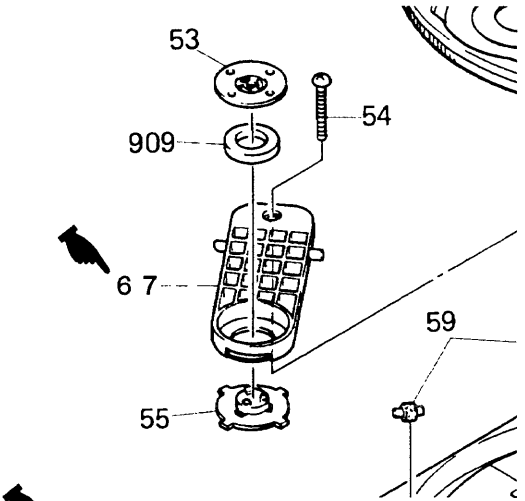
E Model

Australian Model
CDP-C305

CORRECTION-2

Correct your service manual as shown below.

 : indicates corrected portion.

| Page | INCORRECT | CORRECT |
|------|--|--|
| 2 2 |  <p>not supplied</p> |  <p>67 *4-930-506-02 BRACKET (PRESS PULLEY)</p> |