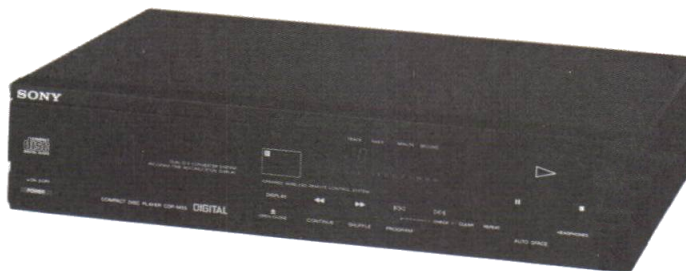


CDP-M55

SERVICE MANUAL

*AEP Model
UK Model*



SPECIFICATIONS

Compact disc player

System	Compact disc digital audio system
Laser	Semiconductor laser ($\lambda = 780\text{nm}$)
Emission duration	Continuous
Laser output	Max. 0.4 mW This output is the value measured at a distance of about 1.6 mm from the objective lens surface on the Optical Pick-up Block.
Frequency response	2 Hz – 20 kHz (± 0.5 dB)
Signal to noise ratio	More than 100 dB
Dynamic range	More than 88 dB
Harmonic distortion	Less than 0.05% (1kHz)
Wow and flutter	Below measurable limit
Outputs	LINE OUT (phono jacks) Output level 2 V (at 50 kilohms) Load impedance over 10 kilohms
Channel separation	More than 95 dB (1kHz)

General

Power requirements	UK model: 240 V AC, 50 Hz AEP model: 220 V AC, 50 Hz
Power consumption	10 W
Dimensions (approx.) (w/h/d)	355 x 80 x 275 mm (14 x 3 $\frac{1}{4}$ x 10 $\frac{7}{8}$ inches) including projecting parts and controls
Weight (approx., net)	3.0 kg (6 lbs 10 oz)

Supplied accessories

AC power cord	1
Audio signal connecting cord	1 (2 phono plugs — 2 phono plugs)

Remote commander RM-D250

Remote control system

Infrared control

Power requirements

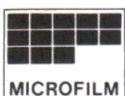
3V DC with two R6 (size AA) batteries

Dimensions 61x20x150 mm(w/h/d)
(2 $\frac{1}{2}$ x $\frac{13}{16}$ x6 inches)

Weight 110 g (4 oz)
including batteries

Supplied accessory

Sony SUM-3 (NS) batteries (2)



MICROFILM

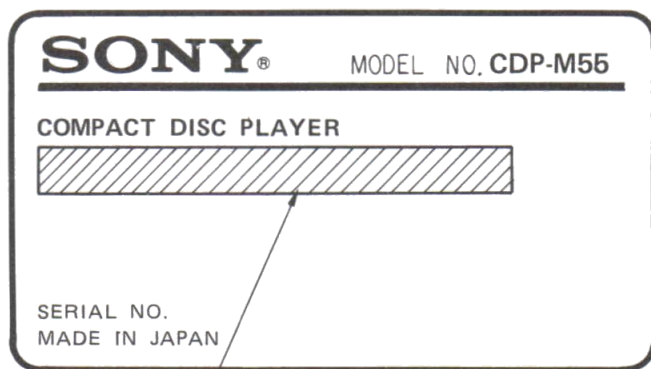
COMPACT DISC PLAYER
SONY®

AUD

SERVICING NOTES

MODEL IDENTIFICATION

— Specifications Labels —



- AEP model: AC: 220 V ~ 50/60 Hz 10 W
- UK model: AC: 240 V ~ 50/60 Hz 10 W

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

CAUTION

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

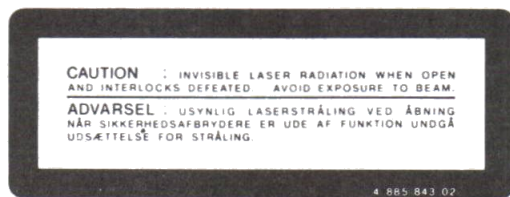
ADVARSEL!!

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.

LASER ADVARSEL MÆRKNING

Følgende mærkning findes indvendig i apparatet:

1. Advarsel Mærkning



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

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.

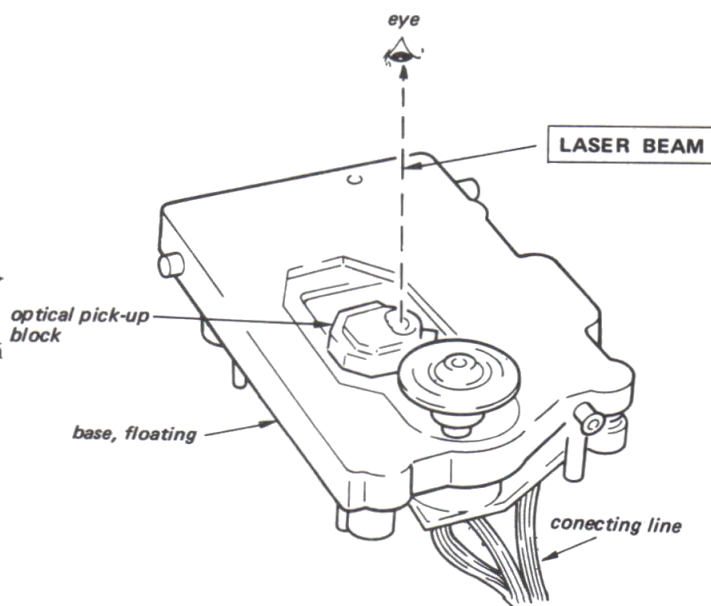
The flexible board is easily damaged and should be handled with care.

**CLASS 1
LASER PRODUCT**

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

WARNING !!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION, BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 25 cm FROM THE SURFACE OF THE OBJECTIVE, LENS ON THE OPTICAL PICK-UP BLOCK.



SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND 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!

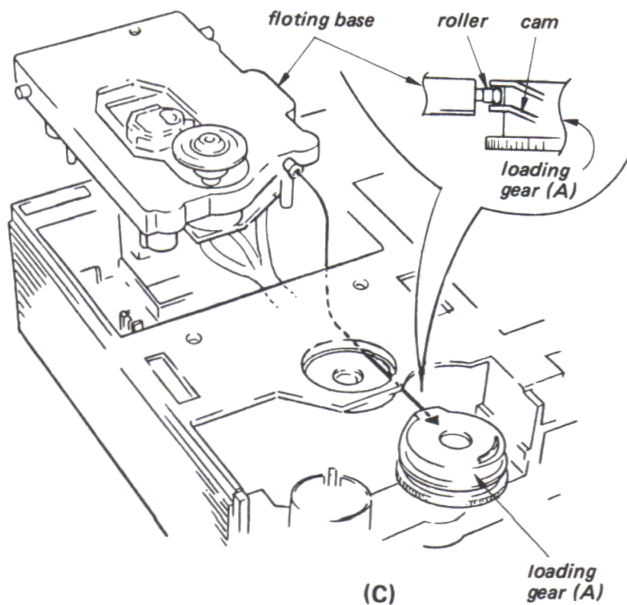
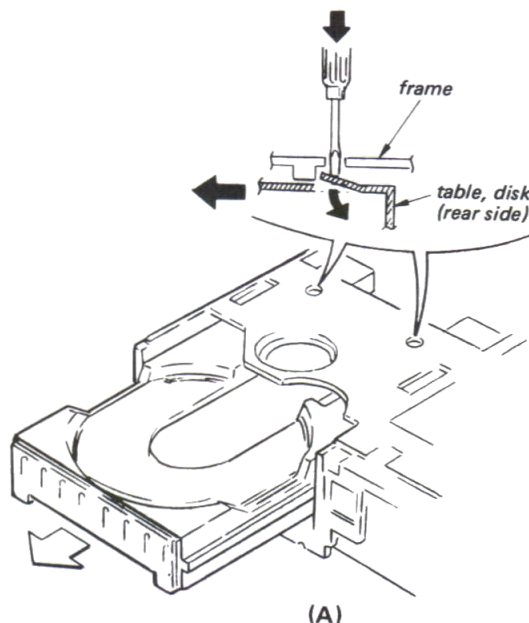
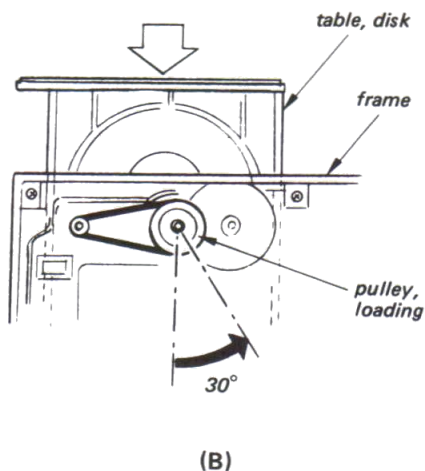
LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE  SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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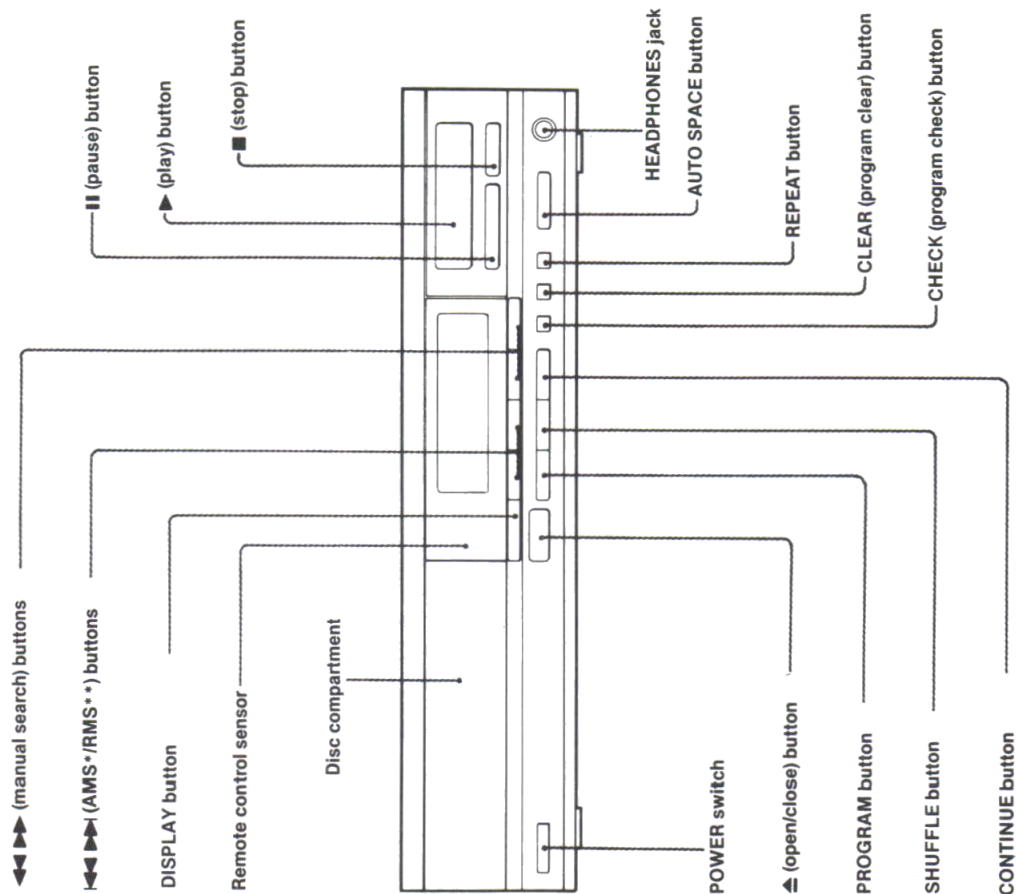
NOTES ON REPAIR

- When removing the disk-table, put the small screwdriver into the hole. Pull off the disk-table toward you while pushing the screwdriver. See figure (A).
- When re-assembling the disk-table, rotate the loading pulley by 30-degree in the direction of the arrow by finger, and put the table slowly. See figure (B).
- When re-assembling the floating base, set it so that the floating-base roller is engaged with the cam of the loading gear (A). See figure (C).



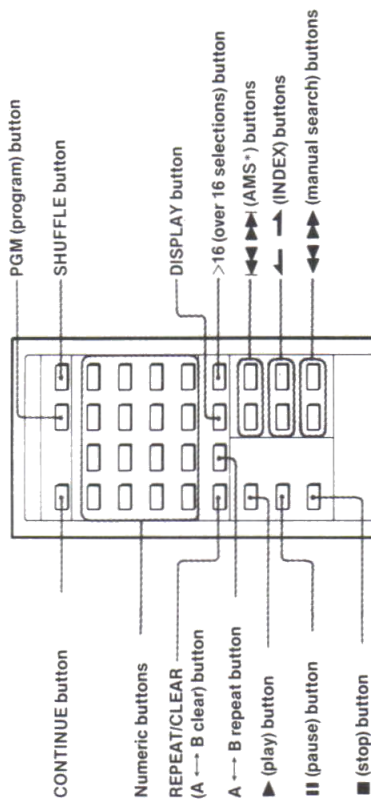
LOCATION AND FUNCTION OF CONTROLS

Front panel



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

Remote commander



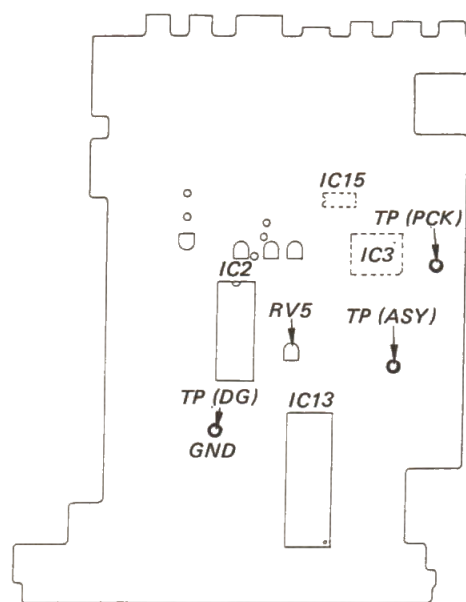
SECTION 1 ELECTRICAL ADJUSTMENTS

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 10 M Ω impedance.

RF PLL Free-run Frequency Check

1. Ground both test points TP (ASY).
2. Press OPEN/CLOSE button and open the disk holder.
3. Check for 4.3218 MHz at test point TP (PCK) using a frequency counter. If not, adjust RV5.

Adjustment Location: main board



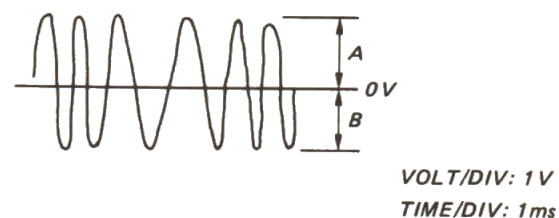
— Component Side —

E-F Balance Adjustment

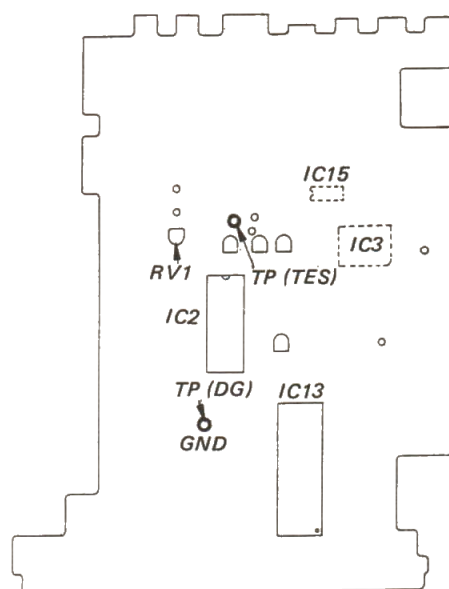
This adjustment should be made when replacing TOP (T-type Optical Pick-up).

Procedure:

1. Connect oscilloscope to test point TP (TES) and ground.
2. Turn POWER switch on.
3. Put disc (YEDS-18) in and press $\triangleright$ button.
4. Press $\blacktriangleleft$ FF or $\blacktriangleright$ REW button.
5. Adjust RV1 for a vertically-symmetrical waveform as shown below. (A = B)



Adjustment Location: main board



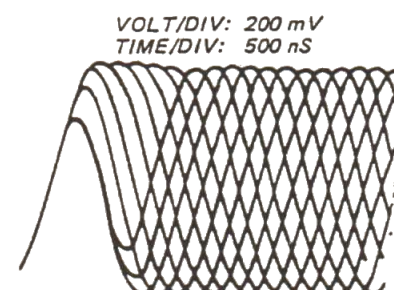
— Component Side —

Focus Bias Adjustment

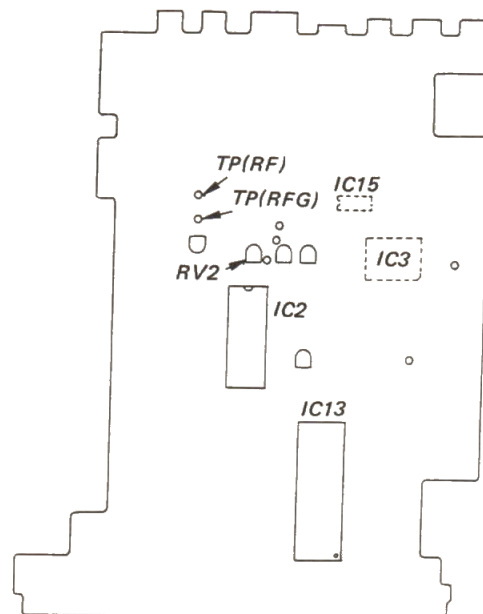
This adjustment should be made when replacing TOP (T-type Optical Pick-up).

Procedure:

1. Connect oscilloscope to test points TP (RF) and TP (RFG).
2. Turn POWER switch on.
3. Put disc (YEDS-18) in and press button.
4. Adjust RV2 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.



Adjustment Location: main board



— Component Side —

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.

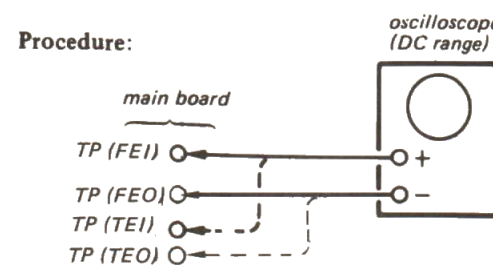
Symptoms \ Gain	Focus	Tracking
• The time until music starts becomes longer for STOP $\rightarrow$ $\blacktriangleright$ PLAY or automatic selection ($\blacktriangleleft$ $\blacktriangleright$ buttons pressed. (Normally takes about 2 seconds.)	low	low or high
• Music does not start and disc continues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

The following is a simple adjustment method.

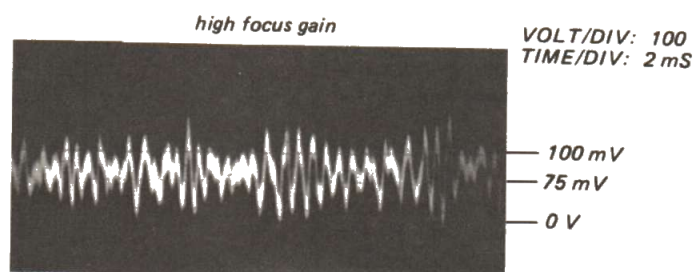
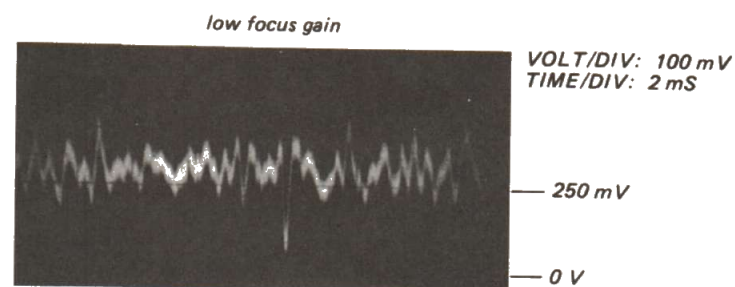
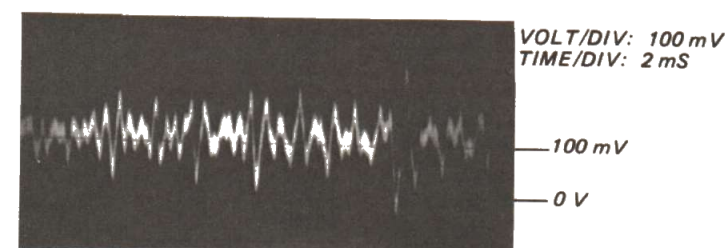
— Simple Adjustment —

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:

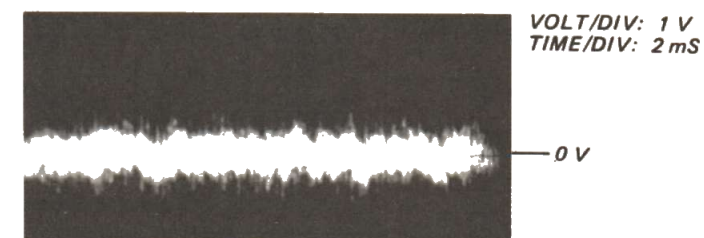


1. Keep the set horizontal.
(If the set is not horizontal, this adjustment cannot be performed due to the gravity against the 2 axis device.)
2. Insert disc (YEDS-18) and press PLAY button.
3. Connect oscilloscope to main amp board TP (FEI), TP (FEO).
4. Adjustment RV3 to that the waveform is as shown in the figure below. (focus gain adjustment)

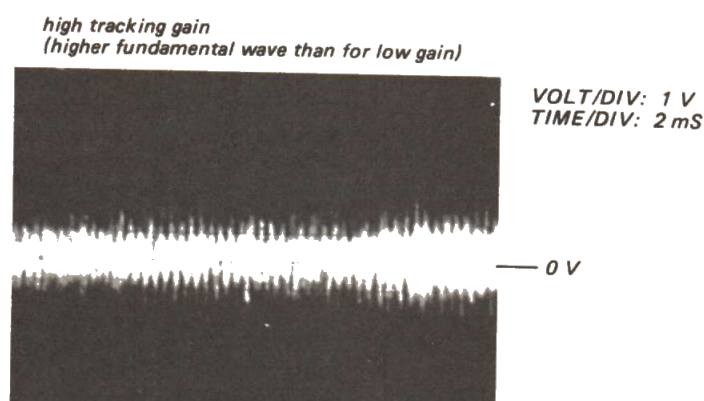
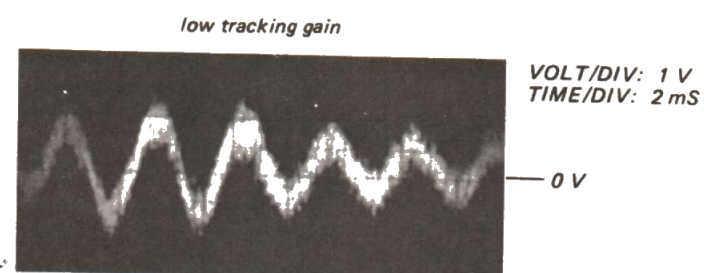


- Inconrent Examples (DC level changes more than on adjusted waveform)

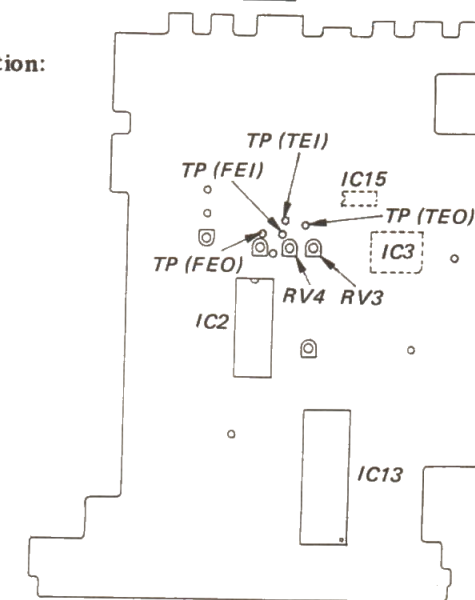
5. Connect oscilloscope to main board TP (TEI), TP (TEO).
6. Adjust RV4 so that the waveform is as shown in the figure below. (tracking gain adjustment)



- Incorrect Examples (fundamental wave appears)



Adjustment Location:
main board



— Component Side —

● Semiconductor Lead Layouts

CXA1081S

(Top view)

CXA1182S

(Top view)

CXD1125Q

MARKING SIDE VIEW

CXD1161P-1

(Top view)

CXD1162P

(Top view)

LA6520

(Top view)

LC9600P-144

(Top view)

MSC6458-18SS

(Top view)

M5218L

(Top view)

M5231TL

(Top view)

M5290P-16 TA8406P

(Top view)

μPC4570HA

(Top view)

2SA1345 2SC3399 2SC3402

(Top view)

2SB1013 2SC3622

(Top view)

2SB1274SA-Q 2SD1913SA-Q

(Top view)

RD5.1ES-B

(Top view)

RD6.8ES-B 1SS132 10E2

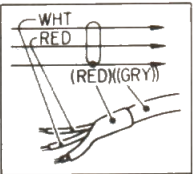
(Top view)

SECTION 2
DIAGRAMS

Note on Mounting Diagram:

Note:

- Color code or sleeving over the end of the jacket.



- — : parts extracted from the component side.

Note on Schematic Diagram:

Note:

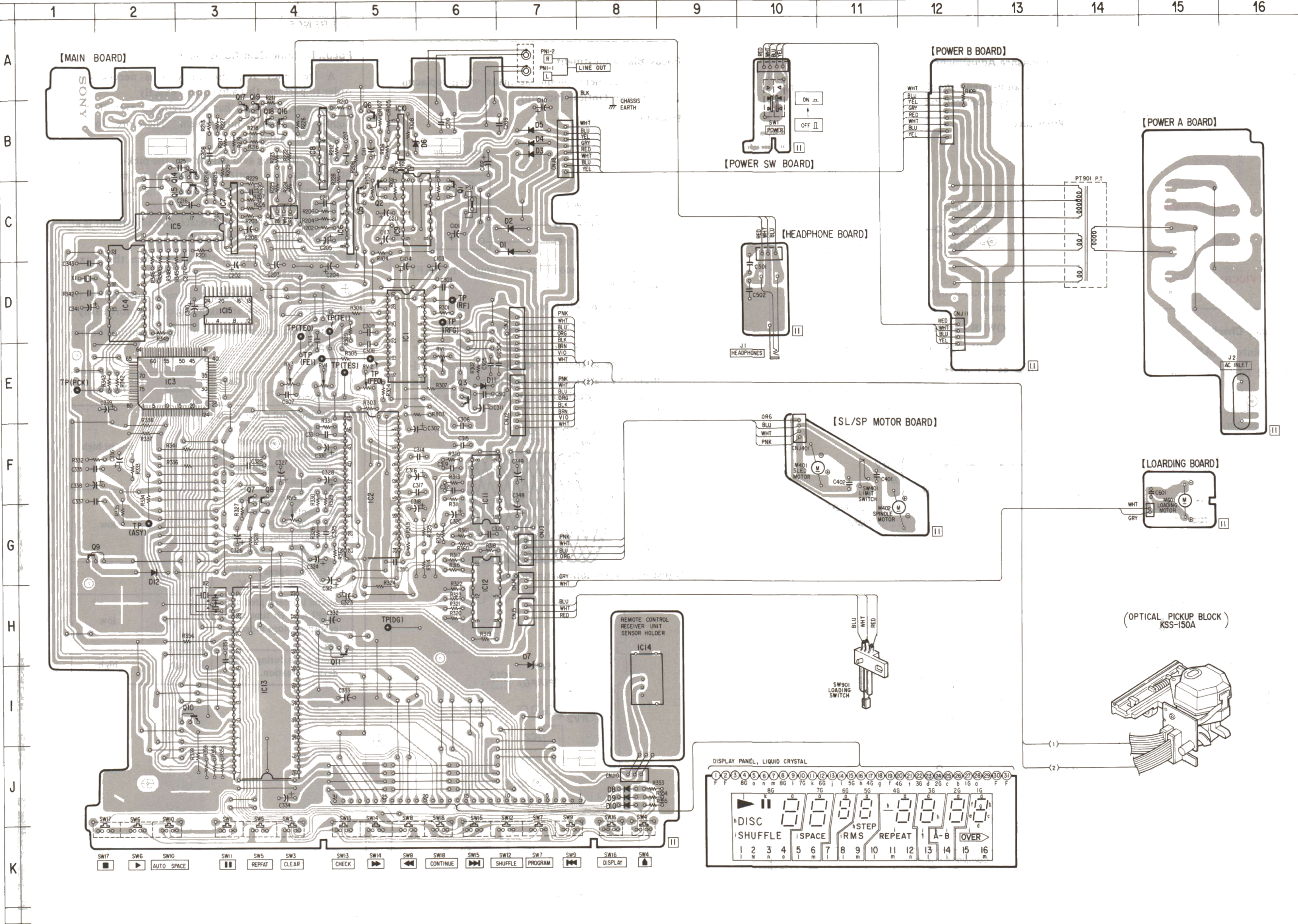
- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- $\triangle$: internal component.
- --- : B+ bus.
- --- : B- bus.
- --- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions. no mark: STOP () : PLAY
- Voltages are taken with a VOM (50 $\text{k}\Omega/\text{V}$). 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.
- --- : Signal path.
- Switch

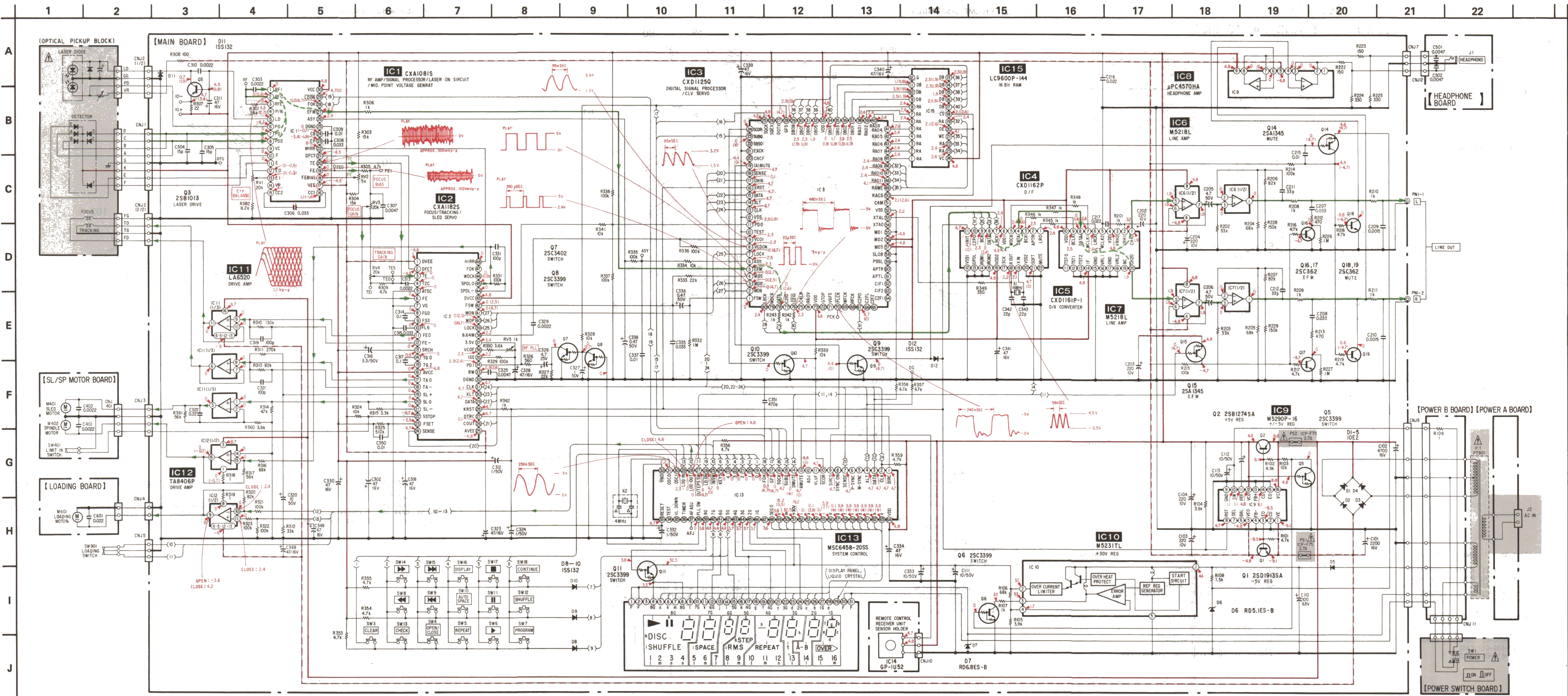
Ref. No.	Switch	Position
SW1	POWER	OFF
SW3	CLEAR	OFF
SW4	OPEN/CLOSE	OFF
SW5	REPEAT	OFF
SW6	PLAY	OFF
SW7	PROGRAM	OFF
SW8	SEARCH REVERSE	OFF
SW9	AMS REVERSE	OFF
SW10	AUTO SPACE	OFF
SW11	PAUSE	OFF
SW12	SHUFFLE	OFF
SW13	CHECK	OFF
SW14	SEARCH FORWARD	OFF
SW15	AMS FORWARD	OFF
SW16	DISPLAY	OFF
SW17	STOP	OFF
SW18	CONTINUE	OFF
SW401	LIMIT	OFF
SW901	LOADING	OFF

Note: The components identified by shading and mark $\triangle$ are critical for safety. Replace only with part number specified.

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

2-1. MOUNTING DIAGRAM





SECTION 3
EXPLODED VIEWS AND PARTS LIST

NOTE:

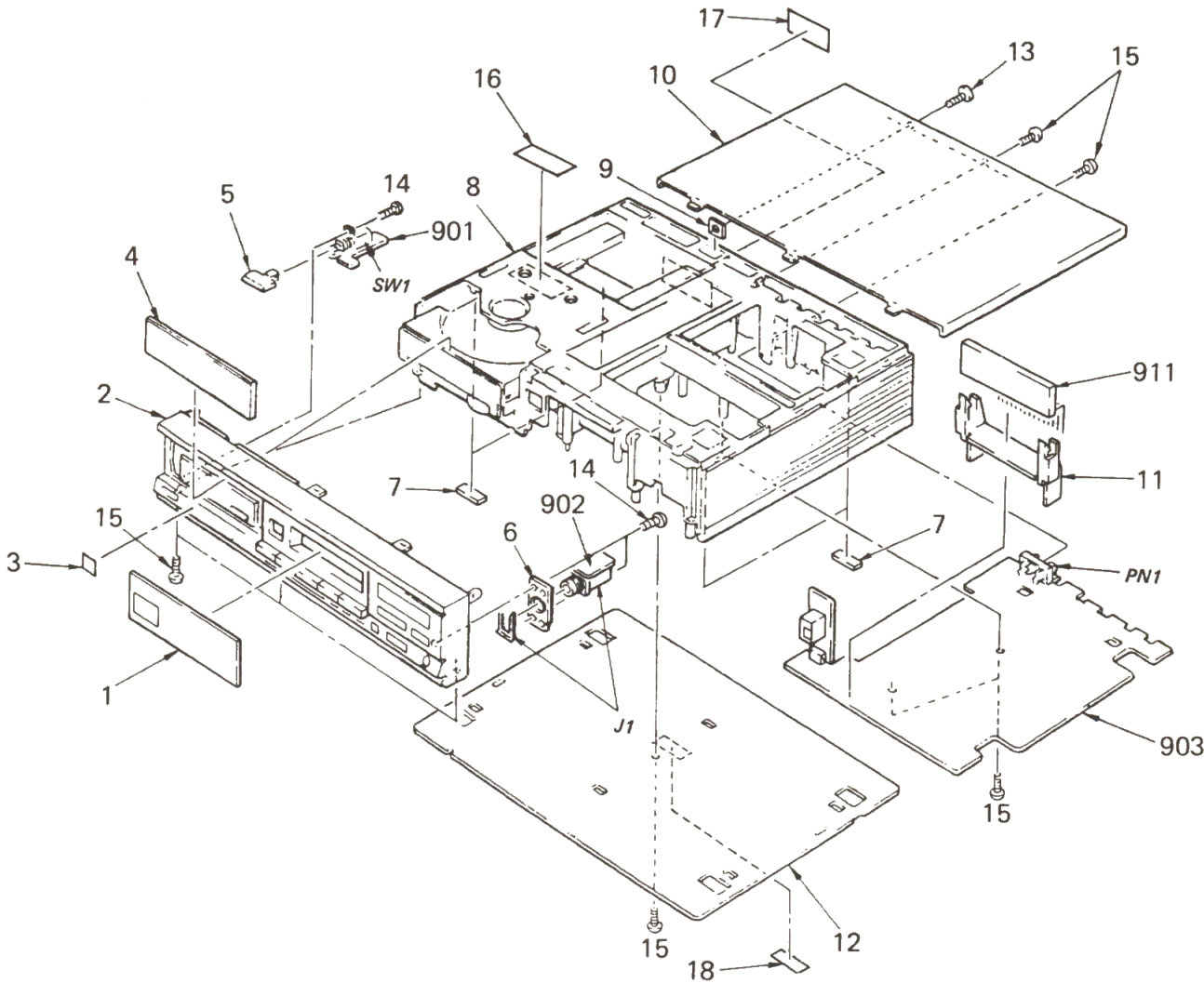
- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be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

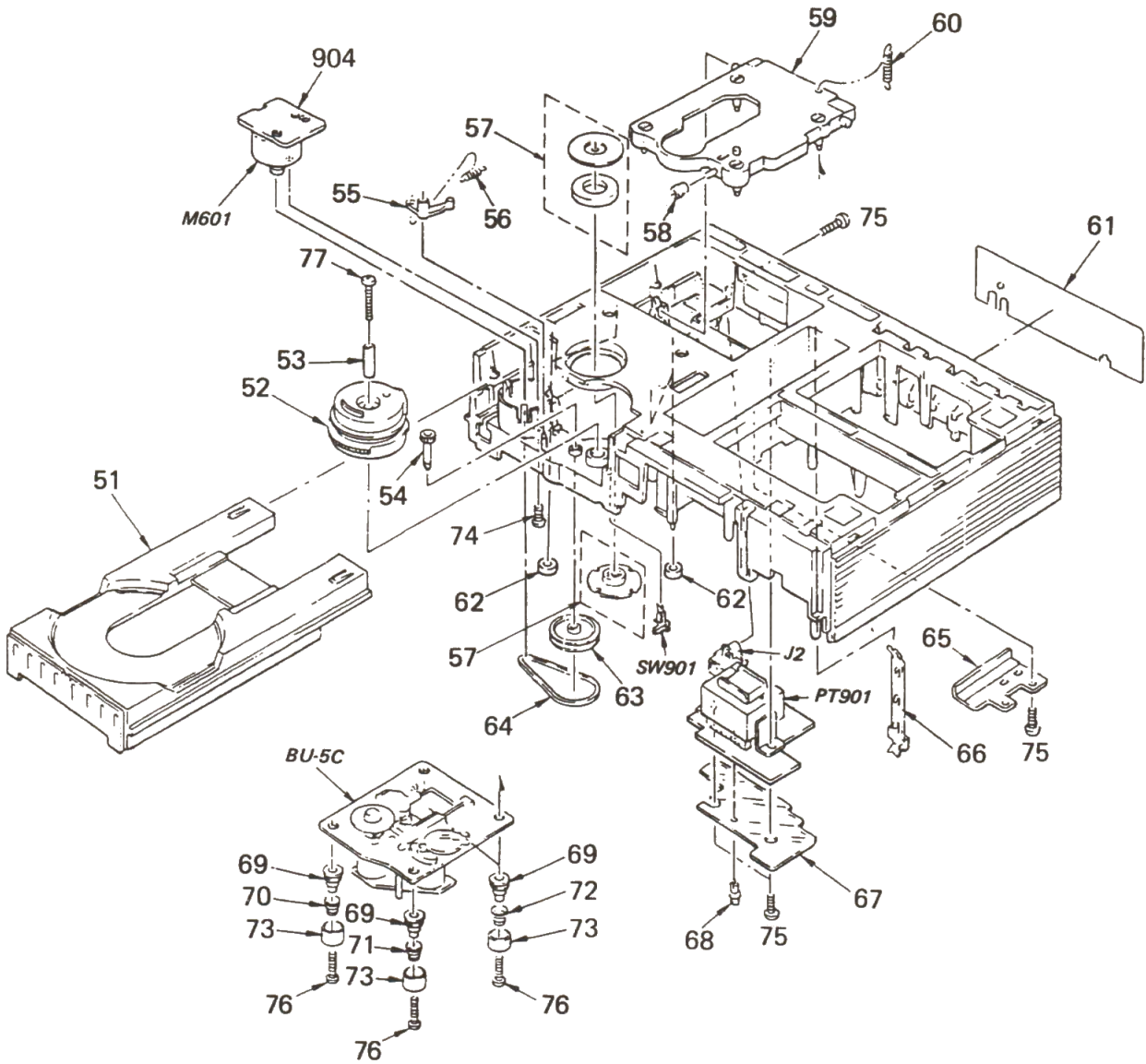
Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

(1) CABINET ASSEMBLY



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	*4-922-614-11	PLATE, INDICATION		12	*4-917-535-01	PLATE, BOTTOM	
2	X-4917-532-1	PANEL ASSY, FRONT		13	3-703-685-21	SCREW (+BV 3X8)	
3	3-703-713-41	STICKER, SONY SYMBOL (10)		14	7-685-133-19	SCREW +BTP 2.6X6 TYPE2 N-S	
4	*4-922-609-21	PANEL, LOADING		15	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
5	4-917-525-11	KNOB, POWER		16	*4-885-843-02	LABEL, CAUTION, LASER	
6	*4-922-608-01	BRACKET (HP)		17	*4-885-838-00	LABEL, CLASS 1	
7	4-917-524-01	FELT, FOOT		18	3-703-079-21	(UK)...LABEL, CAUTION (BACK)	
8	X-4917-533-1	FRAME ASSY		901	*1-623-668-11	PC BOARD, POWER SW	
9	*4-918-670-01	SUPPORT, GROUND		902	*1-623-669-11	PC BOARD, HEADPHONE	
10	4-917-536-01	CASE		903	*A-4651-147-A	MOUNTED PCB, MAIN	
11	*4-922-613-01	HOLDER		911	1-519-440-11	INDICATOR TUBE, FLUORESCENT	

(2) FRAME ASSEMBLY

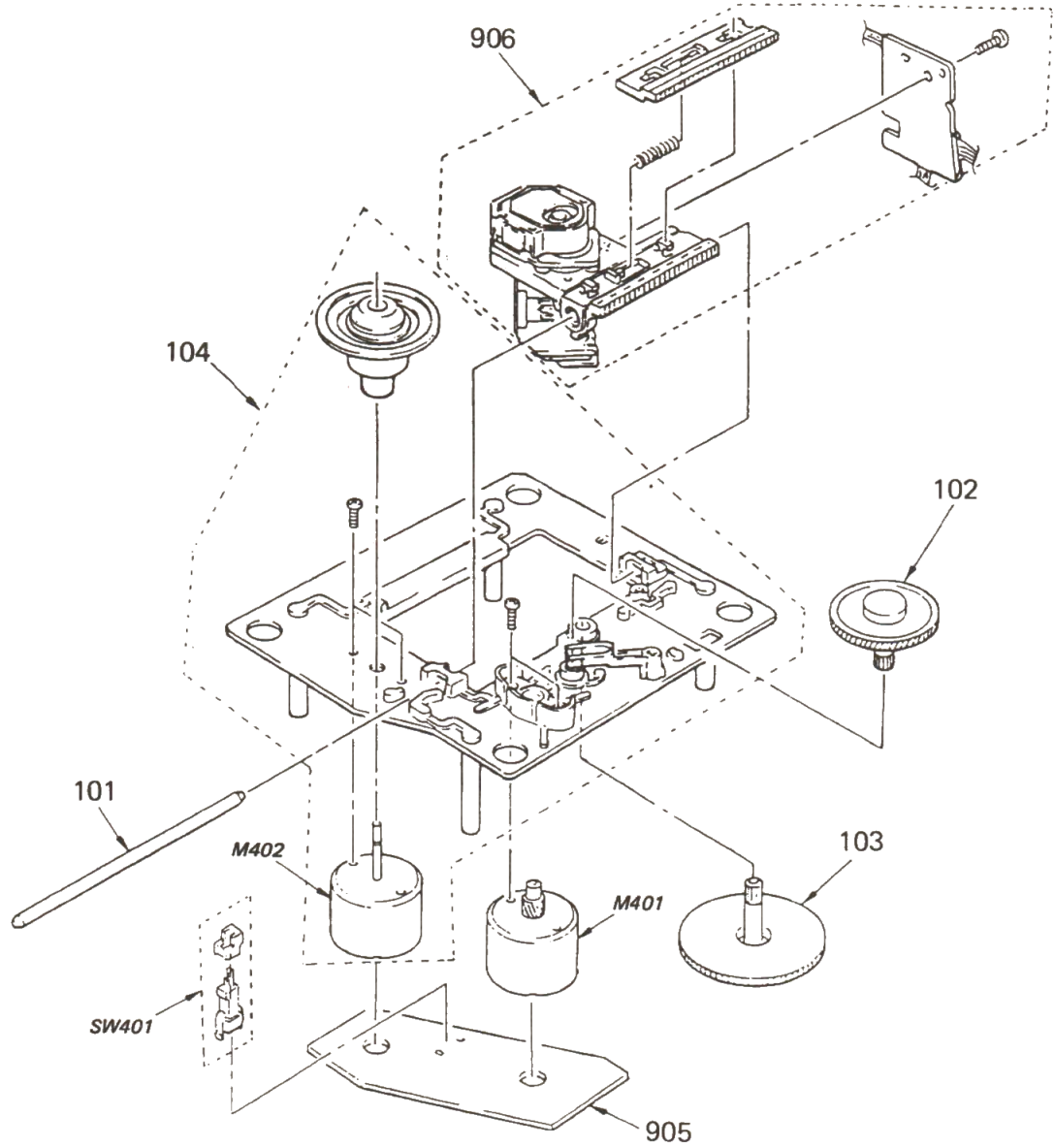


No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	*4-922-604-01	TABLE, DISK		66	*4-917-511-01	PLATE, GROUND	
52	4-917-534-01	GEAR (A), LOADING		67	4-917-510-01	SHEET, INSULATING	
53	*4-917-523-01	COLLAR, CAM		68	*3-531-576-11	RIVET	
54	4-917-516-01	GEAR (B), LOADING		69	4-917-562-01	INSULATOR	
55	4-917-519-01	LEVER, SET		70	4-917-541-01	SPRING (B)	
56	4-917-514-01	SPRING, TENSION		71	4-918-669-01	SPRING (W)	
57	A-4665-024-A	MAGNET ASSY		72	4-917-507-01	SPRING (H)	
58	4-917-515-01	ROLLER		73	4-917-508-01	HOLDER, SP	
59	4-917-537-01	BASE, FLOATING		74	7-621-759-30	+PSW, 2.6X5	
60	4-917-526-01	SPRING, TENSION		75	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
61	4-922-601-01	(AEP)...PLATE, INDICATION		76	7-685-535-19	SCREW +BTP 2.6X10 TYPE2 N-S	
	4-922-602-01	(UK)...PLATE, INDICATION		77	7-685-552-19	SCREW +BTP 3X25 TYPE2 N-S	
62	*3-576-990-01	CUSHION		904	*1-620-603-11	PC BOARD, LOADING MOTOR	
63	4-917-521-01	PULLEY, LOADING		M601	A-4608-330-A	MOTOR ASSY (LOADING)	
64	4-917-522-01	BELT		PT901	*1-449-025-11	TRANSFORMER, POWER	
65	*4-917-517-01	GUIDE, LEAD		SW901	1-570-203-11	SWITCH, LEAF (LOADING)	

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

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

(3) PICKUP ASSEMBLY (BU-5C)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
101	4-917-565-01	SHAFT, SLED		905	*1-624-322-11	PC BOARD, SL/SP MOTOR	
102	4-917-567-01	GEAR (M)		906	*8-848-062-01	PICKUP, OPTICS KSS-150A	
103	4-917-564-01	GEAR (P), FLATNESS		M401	X-4917-504-1	MOTOR ASSY (SLED)	
104	X-4917-523-1	BASE ASSY (SPINDLE MOTOR M402)		SW401	1-571-274-11	SWITCH, LEAF (LIMIT)	

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

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

SECTION 4 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

SEMICONDUCTORSIn each case, U: μ , for example:UA...: μ A..., UPA...: μ PA...,UPC...: μ PC, UPD...: μ PD...

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  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	*1-623-668-11	PC BOARD, POWER SW					C319	1-162-282-31	CERAMIC	100PF	10%	50V	
902	*1-623-669-11	PC BOARD, HEADPHONE					C320	1-123-875-11	ELECT	10MF	20%	50V	
903	*A-4651-147-A	MOUNTED PCB, MAIN					C321	1-162-282-31	CERAMIC	100PF	10%	50V	
904	*1-620-603-11	PC BOARD, LOADING MOTOR					C322	1-136-169-00	FILM	0.22MF	5%	50V	
905	*1-624-322-11	PC BOARD, SL/SP MOTOR					C323	1-124-477-11	ELECT	47MF	20%	16V	
906	A-8-848-062-01	PICKUP, OPTICS KSS-150A					C324	1-124-499-11	ELECT	1MF	20%	50V	
911	1-519-440-11	INDICATOR TUBE, FLUORESCENT					C325	1-161-377-00	CERAMIC	0.0047MF	30%	16V	
C101	1-124-556-11	ELECT	220MF	20%	16V		C326	1-123-369-00	ELECT	4.7MF	20%	25V	
C102	1-124-898-11	ELECT	4700MF	20%	16V		C327	1-124-499-11	ELECT	1MF	20%	50V	
C103	1-124-674-91	ELECT	220MF	20%	10V		C328	1-124-477-11	ELECT	47MF	20%	16V	
C104	1-124-674-91	ELECT	220MF	20%	10V		C329	1-161-375-00	CERAMIC	0.0022MF	20%	16V	
C110	1-124-572-11	ELECT	100MF	20%	63V		C330	1-124-477-11	ELECT	47MF	20%	16V	
C111	1-123-875-11	ELECT	10MF	20%	50V		C331	1-162-282-31	CERAMIC	100PF	10%	50V	
C112	1-123-875-11	ELECT	10MF	20%	50V		C332	1-124-499-11	ELECT	1MF	20%	50V	
C202	1-124-674-91	ELECT	220MF	20%	10V		C333	1-123-875-11	ELECT	10MF	20%	50V	
C203	1-124-674-91	ELECT	220MF	20%	10V		C334	1-124-477-11	ELECT	47MF	20%	16V	
C204	1-124-674-91	ELECT	220MF	20%	10V		C335	1-136-159-00	FILM	0.033MF	5%	50V	
C205	1-123-369-00	ELECT	4.7MF	20%	50V		C336	1-124-902-00	ELECT	0.47MF	20%	50V	
C206	1-123-369-00	ELECT	4.7MF	20%	50V		C337	1-161-379-00	CERAMIC	0.01MF	20%	16V	
C207	1-136-159-00	FILM	0.033MF	5%	50V		C338	1-124-902-00	ELECT	0.47MF	20%	50V	
C208	1-136-159-00	FILM	0.033MF	5%	50V		C339	1-124-477-11	ELECT	47MF	20%	16V	
C209	1-161-374-11	CERAMIC	0.0015MF	20%	16V		C340	1-124-236-00	ELECT	47MF	20%	16V	
C210	1-161-374-11	CERAMIC	0.0015MF	20%	16V		C341	1-124-477-11	ELECT	47MF	20%	16V	
C211	1-162-211-31	CERAMIC	33PF	5%	50V		C342	1-162-207-31	CERAMIC	22PF	5%	50V	
C212	1-162-211-31	CERAMIC	33PF	5%	50V		C343	1-162-207-31	CERAMIC	22PF	5%	50V	
C215	1-161-379-00	CERAMIC	0.01MF	20%	16V		C348	1-124-236-00	ELECT	47MF	20%	16V	
C216	1-161-494-00	CERAMIC	0.022MF		25V		C349	1-124-236-00	ELECT	47MF	20%	16V	
C217	1-161-494-00	CERAMIC	0.022MF		25V		C350	1-161-379-00	CERAMIC	0.01MF	20%	16V	
C302	1-124-477-11	ELECT	47MF	20%	16V		C351	1-162-290-31	CERAMIC	470PF	10%	50V	
C303	1-161-375-00	CERAMIC	0.0022MF	20%	16V		C401	1-106-351-00	MYLAR	0.0022MF	5%	50V	
C304	1-162-203-31	CERAMIC	15PF	5%	50V		C402	1-106-351-00	MYLAR	0.0022MF	5%	50V	
C305	1-162-203-31	CERAMIC	15PF	5%	50V		C501	1-161-377-00	CERAMIC	0.0047MF	30%	16V	
C306	1-136-159-00	FILM	0.033MF	5%	50V		C502	1-161-377-00	CERAMIC	0.0047MF	30%	16V	
C307	1-161-377-00	CERAMIC	0.0047MF	30%	16V		C601	1-136-157-00	FILM	0.022MF	5%	50V	
C308	1-136-159-00	FILM	0.033MF	5%	50V		CNJ1	*1-564-724-11	PIN, CONNECTOR (SMALL TYPE) 8P				
C309	1-136-153-00	FILM	0.01MF	5%	50V		CNJ2	*1-564-724-31	PIN, CONNECTOR (SMALL TYPE) 8P				
C310	1-161-375-00	CERAMIC	0.0022MF	20%	16V		CNJ3	*1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P				
C311	1-124-477-11	ELECT	47MF	20%	16V		CNJ4	*1-564-336-00	PIN, CONNECTOR 2P				
C312	1-124-499-11	ELECT	1MF	20%	50V		CNJ5	*1-564-337-00	PIN, CONNECTOR 3P				
C313	1-161-375-00	CERAMIC	0.0022MF	20%	16V		CNJ7	*1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P				
C314	1-136-165-00	FILM	0.1MF	5%	50V		CNJ8	*1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P				
C315	1-136-159-00	FILM	0.033MF	5%	50V		CNJ10	*1-566-165-11	CONNECTOR, BOARD TO BOARD 3P				
C316	1-123-382-00	ELECT	3.3MF	20%	50V		CNJ11	*1-566-779-11	PIN, CONNECTOR (PC BOARD) 4P				
C317	1-136-165-00	FILM	0.1MF	5%	50V		CNJ12	*1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P				
C318	1-124-477-11	ELECT	47MF	20%	16V		CNJ401	*1-564-720-21	PIN, CONNECTOR (SMALL TYPE) 4P				

Ref.No.	Part No.	Description
D1	8-719-200-77	DIODE 10E2N
D2	8-719-200-77	DIODE 10E2N
D3	8-719-200-77	DIODE 10E2N
D4	8-719-200-77	DIODE 10E2N
D5	8-719-200-77	DIODE 10E2N
D6	8-719-109-83	DIODE RD5.1ES-B
D7	8-719-109-93	DIODE RD6.8ES-B
D8	8-719-940-76	DIODE 1SS132
D9	8-719-940-76	DIODE 1SS132
D10	8-719-940-76	DIODE 1SS132
D11	8-719-940-76	DIODE 1SS132
D12	8-719-940-76	DIODE 1SS132
IC1	8-752-031-80	IC CXA1081S
IC2	8-752-032-33	IC CXA1182S
IC3	8-752-322-04	IC CXD1125Q
IC4	8-759-946-62	IC CXD1162P
IC5	8-759-805-29	IC CXD1161P-1
IC6	8-759-600-02	IC M5218L
IC7	8-759-600-02	IC M5218L
IC8	8-759-106-61	IC UPC4570HA
IC9	8-759-630-21	IC M5290P-16
IC10	8-759-605-43	IC M5231TL
IC11	8-759-805-18	IC LA6520
IC12	8-759-208-96	IC TA8406P
IC13	8-759-945-86	IC MSC6458-18SS
IC14	8-749-920-03	IC GP1U52
IC15	1-808-060-11	IC LC9600P-144
J1	1-563-485-21	JACK, LARGE TYPE (HEADPHONES)
J2	A 1-526-931-11	INLET, AC (AC IN)
M401	X-4917-504-1	MOTOR ASSY (SLED)
M402	X-4917-523-1	BASE ASSY (SPINDLE MOTOR)
M601	A-4608-330-A	MOTOR ASSY (LOADING)
PN1	*1-562-999-21	JACK, PIN 2P (LINE OUT)
PS1	A 1-532-686-00	LINK, IC (ICP-F75 2.7A)
PS2	A 1-532-686-00	LINK, IC (ICP-F75 2.7A)
PT901	A 1-449-025-11	TRANSFORMER, POWER
Q1	8-729-808-76	TRANSISTOR 2SD1913SA-Q
Q2	8-729-808-72	TRANSISTOR 2SB1274SA-Q
Q3	8-729-801-83	TRANSISTOR 2SB1013
Q5	8-729-806-38	TRANSISTOR 2SC3399
Q6	8-729-806-38	TRANSISTOR 2SC3399
Q7	8-729-806-28	TRANSISTOR 2SC3402
Q8	8-729-806-38	TRANSISTOR 2SC3399
Q9	8-729-806-38	TRANSISTOR 2SC3399
Q10	8-729-806-38	TRANSISTOR 2SC3399

Ref.No.	Part No.	Description
Q11	8-729-806-38	TRANSISTOR 2SC3399
Q14	8-729-806-20	TRANSISTOR 2SA1345
Q15	8-729-806-20	TRANSISTOR 2SA1345
Q16	8-729-107-91	TRANSISTOR 2SC3622-L
Q17	8-729-107-91	TRANSISTOR 2SC3622-L
Q18	8-729-107-91	TRANSISTOR 2SC3622-L
Q19	8-729-107-91	TRANSISTOR 2SC3622-L
R101	1-249-425-11	CARBON 4.7K 5% 1/4W
R102	1-249-425-11	CARBON 4.7K 5% 1/4W
R103	1-249-429-11	CARBON 10K 5% 1/4W
R104	1-249-424-11	CARBON 3.9K 5% 1/4W
R105	1-249-424-11	CARBON 3.9K 5% 1/4W
R106	1-249-439-11	CARBON 68K 5% 1/4W
R107	1-249-417-11	CARBON 1K 5% 1/4W
R108	1-249-431-11	CARBON 15K 5% 1/4W
R109	1-249-381-11	CARBON 1 5% 1/4W
R201	1-259-428-11	CARBON 1K 5% 1/6W
R202	1-259-464-11	CARBON 33K 5% 1/6W
R203	1-259-464-11	CARBON 33K 5% 1/6W
R204	1-259-472-11	CARBON 68K 5% 1/6W
R205	1-259-472-11	CARBON 68K 5% 1/6W
R206	1-259-474-11	CARBON 82K 5% 1/6W
R207	1-259-474-11	CARBON 82K 5% 1/6W
R208	1-259-428-11	CARBON 1K 5% 1/6W
R209	1-259-428-11	CARBON 1K 5% 1/6W
R210	1-259-428-11	CARBON 1K 5% 1/6W
R211	1-259-428-11	CARBON 1K 5% 1/6W
R212	1-259-420-11	CARBON 470 5% 1/6W
R213	1-259-420-11	CARBON 470 5% 1/6W
R214	1-249-441-11	CARBON 100K 5% 1/4W
R215	1-249-441-11	CARBON 100K 5% 1/4W
R216	1-249-425-11	CARBON 4.7K 5% 1/4W
R217	1-249-425-11	CARBON 4.7K 5% 1/4W
R218	1-249-425-11	CARBON 4.7K 5% 1/4W
R219	1-249-425-11	CARBON 4.7K 5% 1/4W
R222	1-259-408-11	CARBON 150 5% 1/6W
R223	1-259-408-11	CARBON 150 5% 1/6W
R224	1-259-416-11	CARBON 330 5% 1/6W
R225	1-259-416-11	CARBON 330 5% 1/6W
R226	1-259-500-11	CARBON 1M 5% 1/6W
R227	1-259-500-11	CARBON 1M 5% 1/6W
R228	1-259-480-11	CARBON 150K 5% 1/6W
R229	1-259-480-11	CARBON 150K 5% 1/6W
R301	1-215-454-00	CARBON 24K 5% 1/4W
R302	1-249-428-11	CARBON 8.2K 5% 1/4W
R303	1-249-431-11	CARBON 15K 5% 1/4W
R304	1-249-431-11	CARBON 15K 5% 1/4W

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

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

Ref.No.	Part No.	Description			
R305	1-249-425-11	CARBON	4.7K	5%	1/4W
R306	1-249-417-11	CARBON	1K	5%	1/4W
R307	1-249-397-11	CARBON	22	5%	1/4W
R308	1-249-405-11	CARBON	100	5%	1/4W
R309	1-249-425-11	CARBON	4.7K	5%	1/4W
R310	1-215-472-00	CARBON	130K	5%	1/4W
R311	1-215-479-00	CARBON	270K	5%	1/4W
R312	1-249-435-11	CARBON	33K	5%	1/4W
R313	1-249-440-11	CARBON	82K	5%	1/4W
R314	1-249-425-11	CARBON	4.7K	5%	1/4W
R315	1-249-423-11	CARBON	3.3K	5%	1/4W
R316	1-249-439-11	CARBON	68K	5%	1/4W
R317	1-249-438-11	CARBON	56K	5%	1/4W
R318	1-249-381-11	CARBON	1	5%	1/4W
R319	1-249-381-11	CARBON	1	5%	1/4W
R320	1-249-440-11	CARBON	82K	5%	1/4W
R321	1-249-441-11	CARBON	100K	5%	1/4W
R322	1-249-441-11	CARBON	100K	5%	1/4W
R323	1-249-441-11	CARBON	100K	5%	1/4W
R324	1-249-429-11	CARBON	10K	5%	1/4W
R325	1-215-486-00	CARBON	510K	5%	1/4W
R326	1-249-414-11	CARBON	560	5%	1/4W
R327	1-249-433-11	CARBON	22K	5%	1/4W
R328	1-249-429-11	CARBON	10K	5%	1/4W
R329	1-249-441-11	CARBON	100K	5%	1/4W
R330	1-215-434-00	METAL	3.6K	1%	1/6W
R331	1-249-441-11	CARBON	100K	5%	1/4W
R332	1-215-493-00	CARBON	1M	5%	1/4W
R333	1-249-433-11	CARBON	22K	5%	1/4W
R334	1-249-429-11	CARBON	10K	5%	1/4W
R335	1-249-441-11	CARBON	100K	5%	1/4W
R336	1-249-441-11	CARBON	100K	5%	1/4W
R337	1-215-469-00	METAL	100K	1%	1/6W
R338	1-215-469-00	METAL	100K	1%	1/6W
R339	1-249-429-11	CARBON	10K	5%	1/4W
R341	1-249-429-11	CARBON	10K	5%	1/4W
R342	1-249-417-11	CARBON	1K	5%	1/4W
R343	1-249-417-11	CARBON	1K	5%	1/4W
R345	1-249-417-11	CARBON	1K	5%	1/4W
R346	1-249-417-11	CARBON	1K	5%	1/4W
R347	1-249-417-11	CARBON	1K	5%	1/4W
R348	1-249-417-11	CARBON	1K	5%	1/4W
R349	1-259-416-11	CARBON	330	5%	1/6W
R353	1-249-425-11	CARBON	4.7K	5%	1/4W
R354	1-249-425-11	CARBON	4.7K	5%	1/4W
R355	1-249-425-11	CARBON	4.7K	5%	1/4W

Ref.No.	Part No.	Description			
R356	1-249-425-11	CARBON	4.7K	5%	1/4W
R357	1-249-425-11	CARBON	4.7K	5%	1/4W
R358	1-249-425-11	CARBON	4.7K	5%	1/4W
R359	1-249-425-11	CARBON	4.7K	5%	1/4W
R360	1-249-424-11	CARBON	3.9K	5%	1/4W
R361	1-249-438-11	CARBON	56K	5%	1/4W
R362	1-249-417-11	CARBON	1K	5%	1/4W
RV1	1-237-194-21	RES, ADJ, CARBON 20K			
RV2	1-237-192-21	RES, ADJ, CARBON 5K			
RV3	1-237-194-21	RES, ADJ, CARBON 20K			
RV4	1-237-194-21	RES, ADJ, CARBON 20K			
RV5	1-228-990-00	RES, ADJ, METAL GLAZE 1K			
SW1	A.1-552-928-00	SWITCH, PUSH (POWER)			
SW3	1-571-213-11	SWITCH, KEY BOARD (3 KEY)(CLEAR)			
SW4	1-554-088-00	SWITCH, KEY BOARD (OPEN/CLOSE)			
SW5	1-571-213-11	SWITCH, KEY BOARD (3 KEY)(REPEAT)			
SW6	1-571-213-11	SWITCH, KEY BOARD (3 KEY)(PLAY)			
SW7	1-571-214-11	SWITCH, KEY BOARD (4 KEY)(PROGRAM)			
SW8	1-571-214-11	SWITCH, KEY BOARD (4 KEY) (SEARCH REVERSE)			
SW9	1-571-214-11	SWITCH, KEY BOARD (4 KEY)(AMS REVERSE)			
SW10	1-571-213-11	SWITCH, KEY BOARD (3 KEY)(AUTO SPACE)			
SW11	1-571-213-11	SWITCH, KEY BOARD (3 KEY)(PAUSE)			
SW12	1-571-214-11	SWITCH, KEY BOARD (4 KEY)(SHUFFLE)			
SW13	1-571-214-11	SWITCH, KEY BOARD (4 KEY)(CHECK)			
SW14	1-571-214-11	SWITCH, KEY BOARD (4 KEY) (SEARCH FORWARD)			
SW15	1-571-214-11	SWITCH, KEY BOARD (4 KEY)(AMS FORWARD)			
SW16	1-554-088-00	SWITCH, KEY BOARD (DISPLAY)			
SW17	1-571-213-11	SWITCH, KEY BOARD (3 KEY)(STOP)			
SW18	1-571-214-11	SWITCH, KEY BOARD (4 KEY)(CONTINUE)			
SW401	1-571-274-11	SWITCH, LEAF (LIMIT)			
SW901	1-570-203-11	SWITCH, LEAF (LOADING)			
X1	1-567-908-21	VIBRATOR, CRYSTAL (16MHz)			
X2	1-567-686-11	OSCILLATOR, CERAMIC (4MHz)			

ACCESSORY & PACKING MATERIAL

1-463-924-11	REMOTO COMMANDER (RM-D250)
1-558-543-11	CORD, CONNECTION

A.1-558-032-11	(UK)...CORD, POWER
A.1-558-835-11	(AEP)...CORD, POWER

3-769-600-11	MANUAL, INSTRUCTION
3-769-600-41	(AEP)...MANUAL, INSTRUCTION

*3-795-629-11	(AEP)...INSTRUCTION
4-922-417-01	LID, BATTERY CASE (RM-D250)
4-922-616-11	INDIVIDUAL CARTON
4-922-618-01	CUSHION

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

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

Troubleshooting guide

The following checks will assist in the correction of most problems which you may encounter with your unit. Before going through the check list below, first refer back to the connections and operating procedures.

Symptom	Cause	Remedy
Play does not begin	The disc is incorrectly inserted.	Insert the disc correctly.
	The disc is extremely dirty.	Clean the disc.
	The disc is inserted upside down.	Insert the disc correctly.
	II has been pressed.	Press II again to release pause.
	Moisture condensation.	Leave the player turned on for about an hour.
No sound from one or both channels	Incorrect connections.	Connect properly.

CDP-M55

SONY[®] SERVICE MANUAL

*AEP Model
UK Model*

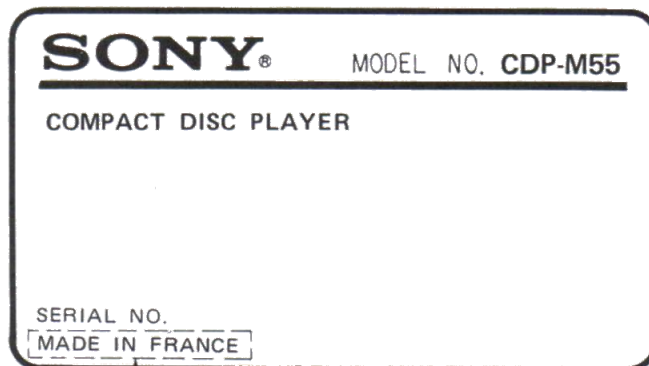
SUPPLEMENT-1

File this supplement with the service manual.

This SUPPLEMENT-1 is for the model made in France.

Refer to the CDP-M55 service manual for related information not contained in this SUPPLEMENT-1.

[MODEL IDENTIFICATION]



LABEL, MODEL NUMBER

Identify the set with the indication of "MADE IN FRANCE" here.

[Note for replacing MAIN BOARD]

- Solder the lead wires of CNJ-4 (CNP701) and CNJ-5 (CNP702) directly to the lands of MAIN BOARD.
- MAIN BOARD supplied as a service part has quite different reference numbers on it from the original board, however, they are completely compatible. (The above numbers in brackets are the original ones.)

EXPLODED VIEWS

Only the difference from the model made in Japan is described in this section.

Model Description	made in Japan		made in France		Page on CDP-M35 Service Manual
	No.	Part No.	No.	Part No.	
BRACKET (HP)	6	4-922-608-01	—	not supplied	Page 14 and Fig. 1
HEAD PHONE ASSY	—	not supplied	19	*A-4675-221-A	
PC BOARD, REMOCON	—	—	907	*1-623-667-14	
JACK, LARGE TYPE	J1	1-563-485-21	J451	1-566-936-51	
JACK, PIN 2P (LINE OUT)	PN1	1-562-999-21	CNJ401	1-562-999-21	
SWITCH, PUSH (POWER)	SW1	1-552-928-00	SW901	1-552-928-00	
PC BOARD, POWER TRANSFORMER	—	—	908	*1-623-667-14	Page 15 and Fig. 2
INLET, AC	J2	⚠1-526-931-11	CNJ902	⚠1-526-931-11	
TRANSFORMER, POWER	PT901	⚠1-449-025-11	T901	⚠1-449-025-11	
SWITCH, LEAF (LOADING)	SW901	1-576-203-11	SW601	1-570-203-11	
PC BOARD, SL/SP MOTOR	905	*1-624-322-11	905	*1-620-097-11	Page 16
MOTOR ASSY (SLED)	M401	X-4917-504-1	M101	X-4917-504-1	
SWITCH, LEAF (LIMIT)	SW401	1-571-274-11	SW401	1-570-822-11	

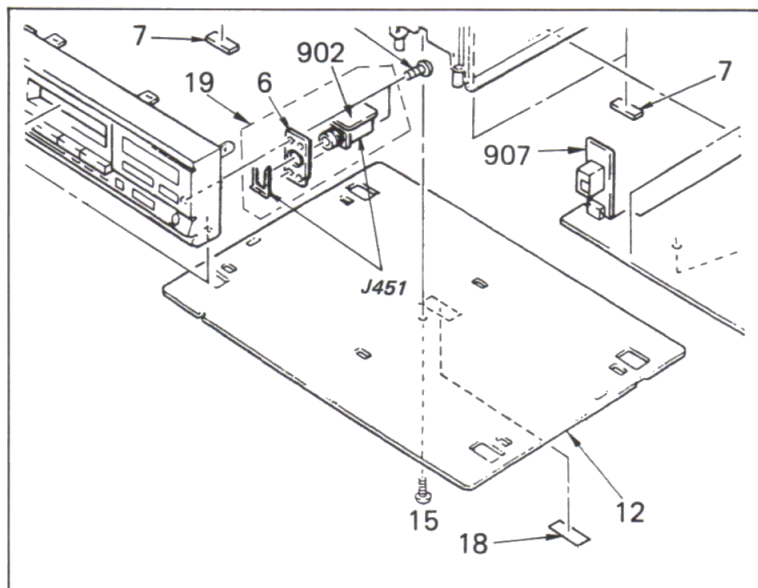


Fig. 1

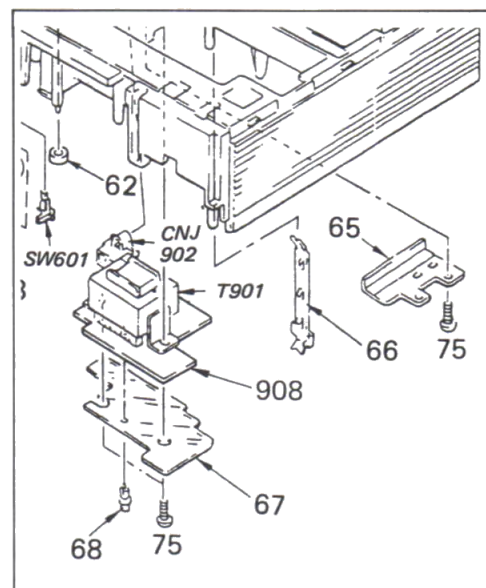


Fig. 2

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.

- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

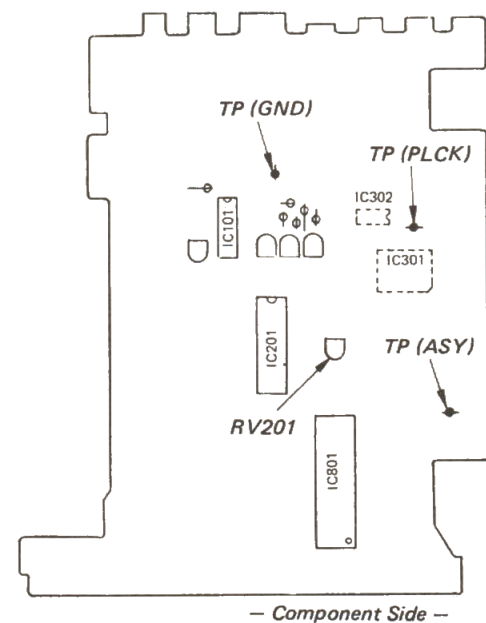
ELECTRICAL ADJUSTMENTS

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 10 M Ω impedance.

RF PLL Free-run Frequency Check

1. Ground both test points TP (ASY).
2. Press OPEN/CLOSE button and open the disk holder.
3. Check for 4.3218 MHz at test point TP (PLCK) using a frequency counter. If not, adjust RV201.

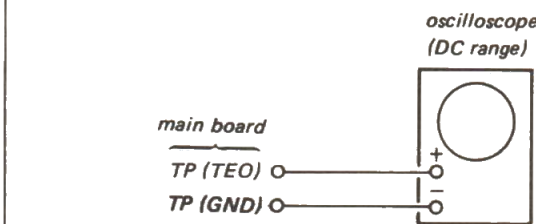
Adjustment Location: main board



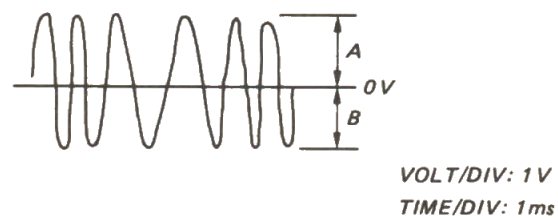
E-F Balance Adjustment

This adjustment should be made when replacing TOP (T-type Optical Pick-up).

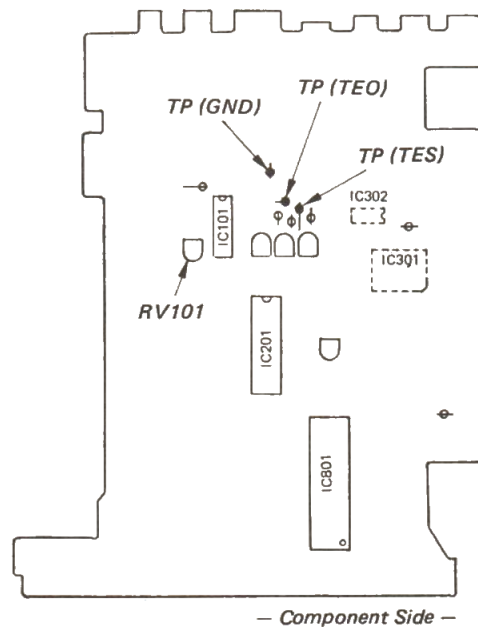
Procedure:



1. Connect oscilloscope to test point TP (TES) and ground.
2. Turn POWER switch on.
3. Put disc (YEDS-18) in and press $\triangleright$ button.
4. Press $\blacktriangleleft$ FF or $\blacktriangleright$ REW button.
5. Adjust RV101 for a vertically-symmetrical waveform as shown below. (A = B)



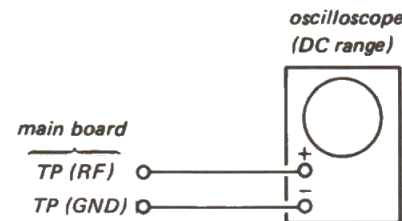
Adjustment Location: main board



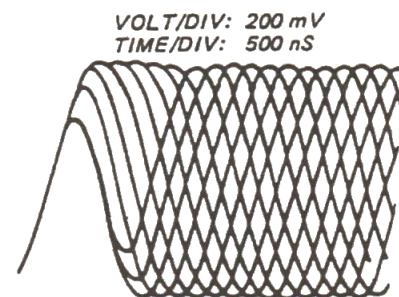
Focus Bias Adjustment

This adjustment should be made when replacing TOP (T-type Optical Pick-up).

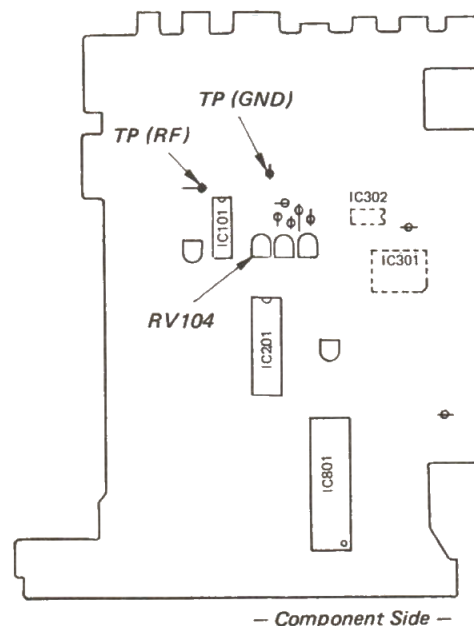
Procedure:



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



Adjustment Location: main board



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.

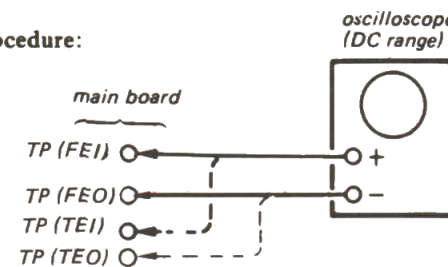
Symptoms	Gain	Focus	Tracking
• The time until music starts becomes longer for STOP $\rightarrow$ $\triangleright$ PLAY or automatic selection ($\blacktriangleleft$ $\blacktriangleright$ buttons pressed. (Normally takes about 2 seconds.)		low	low or high
• Music does not start and disc continues to rotate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

The following is a simple adjustment method.

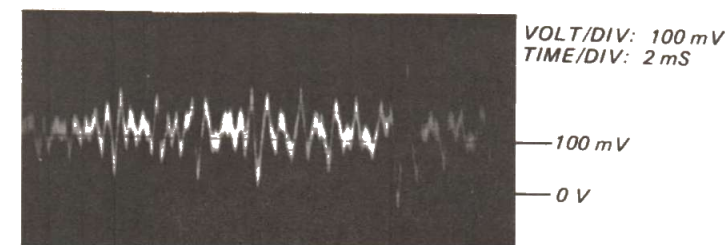
— Simple Adjustment —

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.

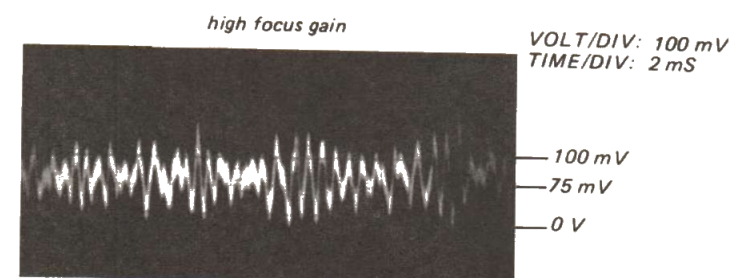
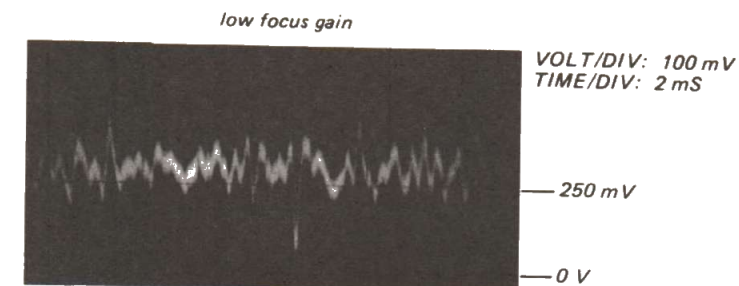
Procedure:



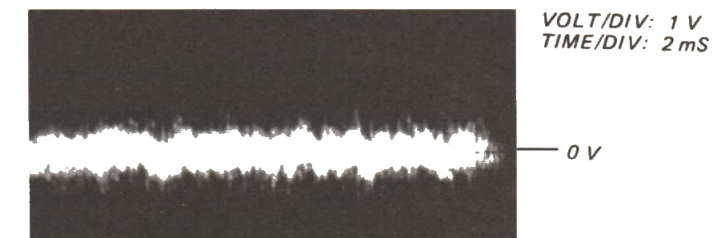
1. Keep the set horizontal.
(If the set is not horizontal, this adjustment cannot be performed due to the gravity against the 2 axis device.)
2. Insert disc (YEDS-18) and press $\triangleright$ PLAY button.
3. Connect oscilloscope to main amp board TP (FEI), TP (FEO).
4. Adjustment RV103 to that the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



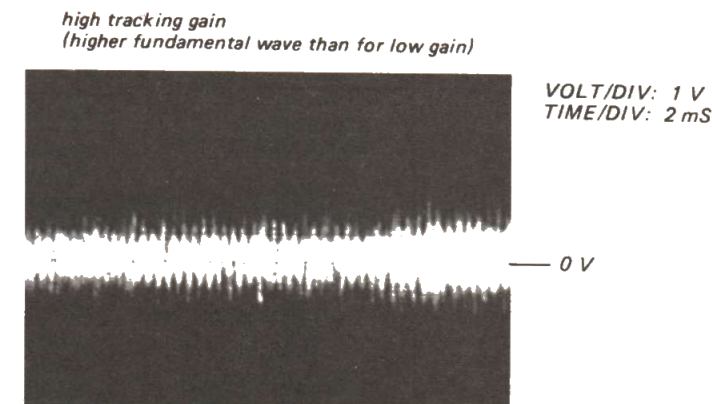
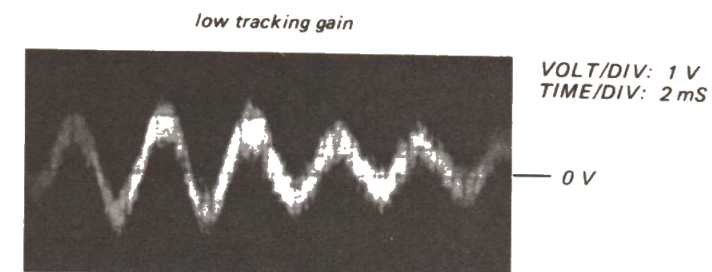
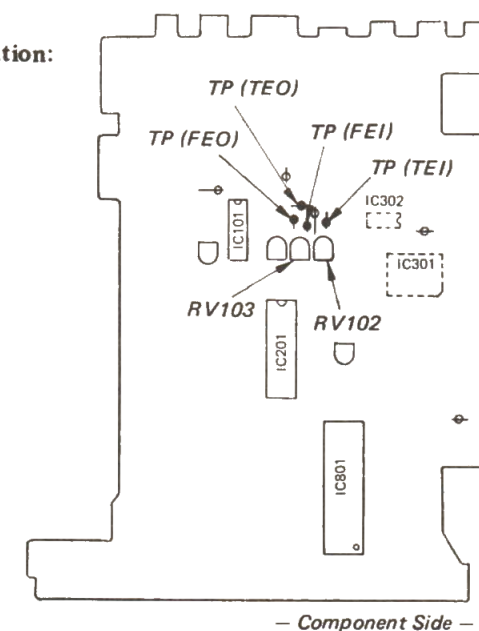
- Incorrect Examples (DC level changes more than on adjusted waveform)



5. Connect oscilloscope to main board TP (TEI), TP (TEO).
6. Adjust RV102 so that the waveform is as shown in the figure below. (tracking gain adjustment)



- Incorrect Examples (fundamental wave appears)

Adjustment Location:
main board

[SL/SP MOTOR BOARD]

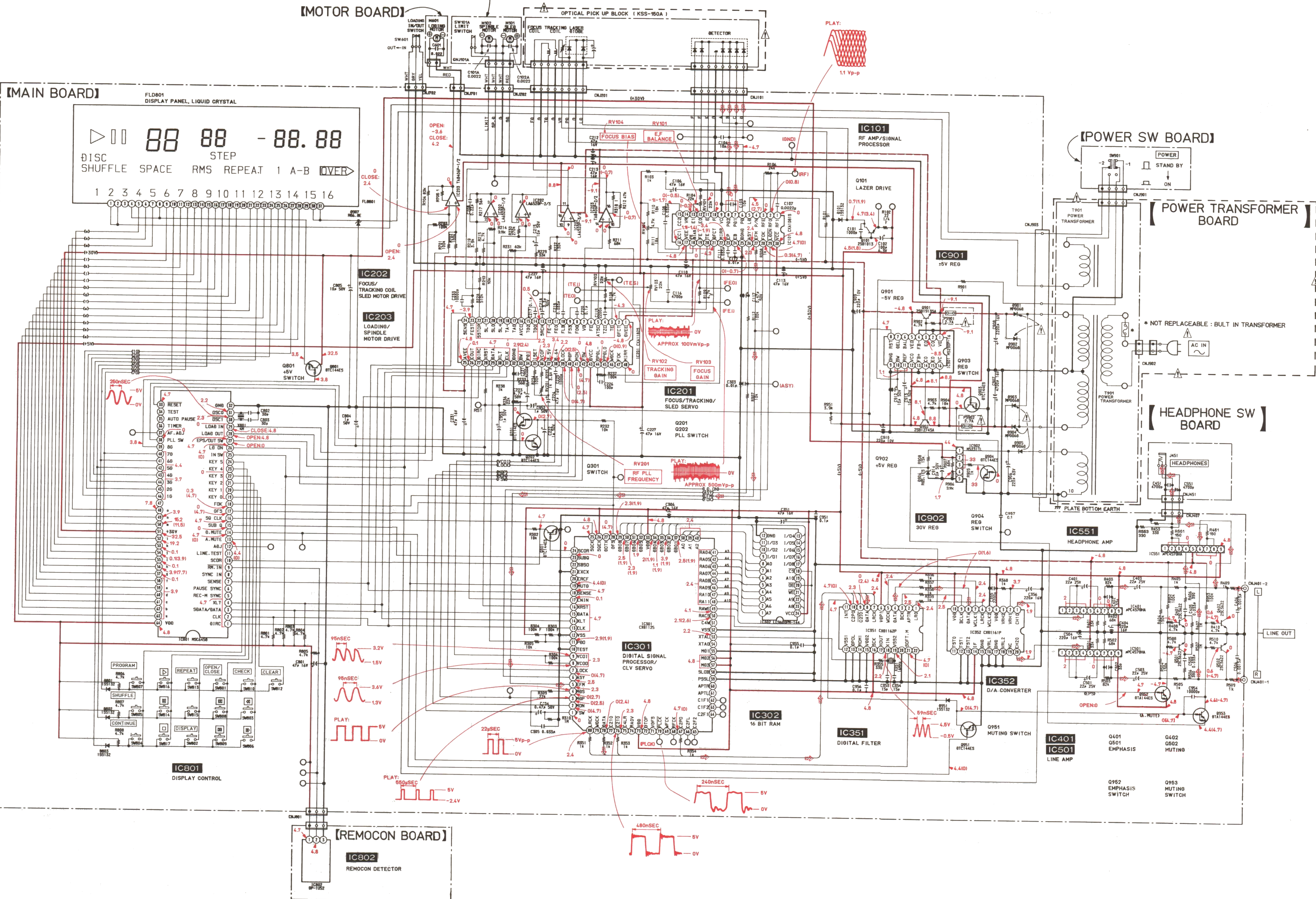
[MOTOR BOARD]

[MAIN BOARD]

[POWER SW BOARD]

[POWER TRANSFORMER BOARD]

[HEADPHONE SW BOARD]



IC101 CXA1081S



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: μF , PF: $\mu\mu F$.

- RESISTORS**
- All resistors are in ohms.
 - F: nonflammable

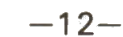
COILS

- 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  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.

IC352 CXD1161P-2

Ref.No	Part No.	Description				
D803	8-719-940-76	DIODE 1SS132				
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				
D905	△ 8-719-200-77	DIODE 10E2N				
D906	8-719-106-83	DIODE RD5.1ES-B				
D907	8-719-109-95	DIODE RD6.8ES-B				
D951	8-719-940-76	DIODE 1SS132				
FLD801	1-519-440-11	INDICATOR TUBE, FLUORESCENT				
H1	* 4-922-613-01	HOLDER				
IC101	8-752-031-80	IC CXA1081S				
IC201	8-752-032-33	IC CXA1182S				
IC202	8-759-805-18	IC LA6520				
IC203	8-759-208-96	IC TA8406P				
IC301	8-759-947-02	IC CXD1125Q				
IC302	8-752-320-44	IC CXK 5816M-10L				
IC351	8-759-946-62	IC CXD1162P				
IC352	8-759-805-35	IC CXD1161P-2				
IC401	8-759-112-93	IC UPC4570HA				
IC501	8-759-112-93	IC UPC4570HA				
IC551	8-759-112-93	IC UPC4570HA				
IC801	8-759-972-48	IC MSC6458-23SS				
IC802	8-749-920-03	IC GPIU52				
IC901	8-759-630-21	IC M5290P-16				
IC902	8-759-605-43	IC M5231TL				
J451	1-566-936-51	JACK, LARGE TYPE (HEAD PHONES)				
M101	X-4917-504-1	MOTOR ASSY (SLED MOTOR)				
M102	X-4917-523-1	BASE (OUTSERT) ASSY (SPINDLE MOTOR)				
M061	A-4608-330-A	MOTOR ASSY				
PS901	△ 1-532-686-00	LINK, IC				
PS902	△ 1-532-686-00	LINK, IC				
Q101	8-729-801-83	TRANSISTOR 2SB1013				
Q201	8-729-806-28	TRANSISTOR 2SC3402				
Q202	8-729-806-38	TRANSISTOR 2SC3399				
Q301	8-729-806-38	TRANSISTOR 2SC3399				
Q401	8-729-107-98	TRANSISTOR 2SC3622A-L				
Q402	8-729-107-98	TRANSISTOR 2SC3622A-L				
Q501	8-729-107-98	TRANSISTOR 2SC3622A-L				
Q502	8-729-107-98	TRANSISTOR 2SC3622A-L				
Q801	8-729-806-38	TRANSISTOR 2SC3399				
Q901	8-729-808-76	TRANSISTOR 2SD1913SA-Q				
Q902	8-729-808-72	TRANSISTOR 2SB1274SA-Q				
Q903	8-729-806-38	TRANSISTOR 2SC3399				
Q904	8-729-806-38	TRANSISTOR 2SC3399				
Q951	8-729-806-38	TRANSISTOR 2SC3399				
Q952	8-729-806-20	TRANSISTOR 2SA1345				
Q953	8-729-806-20	TRANSISTOR 2SA1345				
<u>RESISTOR</u>						
R101	1-215-396-00	CARBON	91	5%	1/4W	
R102	1-249-397-11	CARBON	22	5%	1/4W	
R103	1-249-417-11	CARBON	1K	5%	1/4W	
R104	1-249-433-11	CARBON	22K	5%	1/4W	
R106	1-247-864-11	CARBON	24K	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	
R211	1-249-439-11	CARBON	68K	5%	1/4W	

Ref.No	Part No.	Description				
R212	1-249-437-11	CARBON	47K	5%	1/4W	
R213	1-249-429-11	CARBON	10K	5%	1/4W	
R214	1-249-424-11	CARBON	3.9K	5%	1/4W	
R215	1-249-425-11	CARBON	4.7K	5%	1/4W	
R217	1-249-438-11	CARBON	56K	5%	1/4W	
R219	1-249-424-11	CARBON	3.9K	5%	1/4W	
R222	1-247-882-11	CARBON	130K	5%	1/4W	
R228	1-215-486-00	CARBON	510K	5%	1/4W	
R229	1-249-435-11	CARBON	33K	5%	1/4W	
R230	1-247-889-00	CARBON	270K	5%	1/4W	
R231	1-215-464-00	CARBON	62K	5%	1/4W	
R232	1-249-429-11	CARBON	10K	5%	1/4W	
R233	1-249-414-11	CARBON	560	5%	1/4W	
R234	1-215-469-00	METAL	100K	1%	1/6W	
R235	1-215-434-00	METAL	3.6K	1%	1/6W	
R236	1-249-433-11	CARBON	22K	5%	1/4W	
R237	1-249-441-11	CARBON	100K	5%	1/4W	
R238	1-249-417-11	CARBON	1K	5%	1/4W	
R302	1-249-429-11	CARBON	10K	5%	1/4W	
R303	1-215-469-00	METAL	100K	1%	1/6W	
R304	1-215-469-00	METAL	100K	1%	1/6W	
R305	1-249-429-11	CARBON	10K	5%	1/4W	
R306	1-249-441-11	CARBON	100K	5%	1/4W	
R307	1-249-429-11	CARBON	10K	5%	1/4W	
R308	1-249-417-11	CARBON	1K	5%	1/4W	
R309	1-249-433-11	CARBON	22K	5%	1/4W	
R310	1-247-903-00	CARBON	1M	5%	1/4W	
R318	1-249-381-11	CARBON	1	5%	1/4W	
R351	1-249-417-11	CARBON	1K	5%	1/4W	
R352	1-249-417-11	CARBON	1K	5%	1/4W	
R353	1-249-417-11	CARBON	1K	5%	1/4W	
R354	1-249-417-11	CARBON	1K	5%	1/4W	
R355	1-249-411-11	CARBON	330	5%	1/4W	
R356	1-249-417-11	CARBON	1K	5%	1/4W	
R357	1-249-417-11	CARBON	1K	5%	1/4W	
R358	1-249-417-11	CARBON	1K	5%	1/4W	
R359	1-249-417-11	CARBON	1K	5%	1/4W	
R360	1-249-417-11	CARBON	1K	5%	1/4W	
R401	1-249-435-11	CARBON	33K	5%	1/4W	
R402	1-249-439-11	CARBON	68K	5%	1/4W	
R403	1-249-440-11	CARBON	82K	5%	1/4W	
R404	1-247-883-00	CARBON	150K	5%	1/4W	
R405	1-249-417-11	CARBON	1K	5%	1/4W	
R406	1-249-412-11	CARBON	390	5%	1/4W	
R407	1-247-903-00	CARBON	1M	5%	1/4W	
R408	1-249-425-11	CARBON	4.7K	5%	1/4W	
R409	1-249-417-11	CARBON	1K	5%	1/4W	
R410	1-249-425-11	CARBON	4.7K	5%	1/4W	
R451	1-249-407-11	CARBON	150	5%	1/4W	
R453	1-249-411-11	CARBON	330	5%	1/4W	
R501	1-249-435-11	CARBON	33K	5%	1/4W	
R502	1-249-439-11	CARBON	68K	5%	1/4W	
R503	1-249-440-11	CARBON	82K	5%	1/4W	
R504	1-247-883-00	CARBON	150K	5%	1/4W	
R505	1-249-417-11	CARBON	1K	5%	1/4W	
R506	1-249-412-11	CARBON	390	5%	1/4W	
R507	1-247-903-00	CARBON	1M	5%	1/4W	
R508	1-249-425-11	CARBON	4.7K	5%	1/4W	
R509	1-249-417-11	CARBON	1K	5%	1/4W	
R510	1-249-425-11	CARBON	4.7K	5%	1/4W	
R551	1-249-407-11	CARBON	150	5%	1/4W	
R553	1-249-411-11	CARBON	330	5%	1/4W	
R701	1-249-441-11	CARBON	100K	5%	1/4W	
R702	1-249-441-11	CARBON	100K	5%	1/4W	
R703	1-249-441-11	CARBON	100K	5%	1/4W	

Ref.No	Part No.	Description
R704	1-249-440-11	CARBON 82K 5% 1/4W
R705	1-249-381-11	CARBON 1 5% 1/4W
R801	1-249-425-11	CARBON 4.7K 5% 1/4W
R802	1-249-425-11	CARBON 4.7K 5% 1/4W
R803	1-249-425-11	CARBON 4.7K 5% 1/4W
R804	1-249-425-11	CARBON 4.7K 5% 1/4W
R805	1-249-425-11	CARBON 4.7K 5% 1/4W
R806	1-249-425-11	CARBON 4.7K 5% 1/4W
R807	1-249-425-11	CARBON 4.7K 5% 1/4W
R808	1-249-425-11	CARBON 4.7K 5% 1/4W
R901	1-249-381-11	CARBON 1 5% 1/4W
R902	1-249-425-11	CARBON 4.7K 5% 1/4W
R903	1-249-425-11	CARBON 4.7K 5% 1/4W
R904	1-249-429-11	CARBON 10K 5% 1/4W
R905	1-249-417-11	CARBON 1K 5% 1/4W
R906	1-249-424-11	CARBON 3.9K 5% 1/4W
R907	1-249-439-11	CARBON 68K 5% 1/4W
R908	1-249-431-11	CARBON 15K 5% 1/4W
R951	1-249-424-11	CARBON 3.9K 5% 1/4W
R952	1-249-441-11	CARBON 100K 5% 1/4W
R953	1-249-441-11	CARBON 100K 5% 1/4W
RV101	1-228-995-00	RES, ADJ, CARBON 22K (E-F BALANCE)
RV102	1-228-995-00	RES, ADJ, CARBON 22K (TRACKING GAIN)
RV103	1-228-995-00	RES, ADJ, CARBON 22K (FOCUS GAIN)
RV104	1-228-993-00	RES, ADJ, CARBON 4.7K (FOCUS BIAS)
RV201	1-237-953-11	RES, ADJ, METAL GRAZE 1K (RF PLL)
SW101A	1-570-822-11	SWITCH, LEAF (LIMIT)
SW401	1-570-822-11	SWITCH, LEAF (LIMIT)
SW601	1-570-203-11	SWITCH, LEAF (LOADING)
SW801	1-571-088-00	SWITCH, KEY BOARD (1 KEY) (OPEN/CLOSE)
SW802	1-554-088-00	SWITCH, KEY BOARD (4 KEY) (DISPLAY)
SW803	1-571-214-11	SWITCH, KEY BOARD (4 KEY) (SEARCH REVERSE)
SW804	1-571-214-11	SWITCH, KEY BOARD (4 KEY) (CONTINUE)
SW805	1-571-214-11	SWITCH, KEY BOARD (4 KEY) (SHUFFLE)
SW806	1-571-214-11	SWITCH, KEY BOARD (4 KEY) (SEARCH FORWARD)
SW807	1-571-214-11	SWITCH, KEY BOARD (4 KEY) (PFOGRAM)
SW808	1-571-214-11	SWITCH, KEY BOARD (4 KEY) (AMS REVERSE)
SW809	1-571-214-11	SWITCH, KEY BOARD (4 KEY) (AMS FORWARD)
SW810	1-571-214-11	SWITCH, KEY BOARD (4 KEY) (CHECK)
SW812	1-571-213-11	SWITCH, KEY BOARD (3 KEY) (CLEAR)
SW813	1-571-213-11	SWITCH, KEY BOARD (3 KEY) (REPEAT)
SW814	1-571-213-11	SWITCH, KEY BOARD (3 KEY) (PAUSE)
SW815	1-554-213-11	SWITCH, KEY BOARD (3 KEY)
SW816	1-554-213-11	SWITCH, KEY BOARD (3 KEY) (PLAY)
SW817	1-571-213-11	SWITCH, KEY BOARD (3 KEY) (STOP)
SW901	1-552-928-11	SWITCH (POWER)
T901	A1-449-025-11	TRANSFORMER, POWER
X351	1-567-908-11	VIBRATOR, CRYSTAL (16MHz)
X801	1-567-192-11	OSCILLATOR, CERAMIC (4MHz)

SONY[®] SERVICE MANUAL

AEP Model
UK Model

CORRECTION-1

File this correction with the service manual.

Page 18

INCORRECT

IC5 8-759-805-29 IC CXD1161P-1

CORRECT

8-759-805-35 IC CXD1161P-2