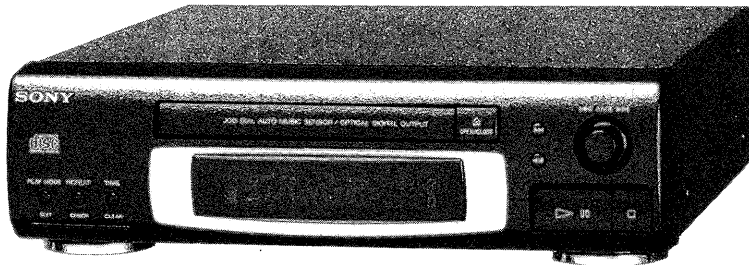


CDP-EX10

SERVICE MANUAL

*AEP Model
UK Model
E Model
Australian Model
Tourist Model*



This set is the CD player section in
MHC-EX5/EX7/EX9AV/EX10AV.

Model Name Using Similer Mechanism	NEW
CD Transport Mechanism Type	CDM28-5BD19
Base Unit Type	BU-5BD19
Optical Pick-Up Type	KSS-213B

SPECIFICATIONS

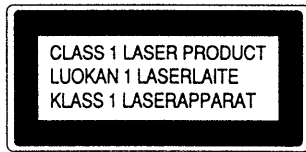
System	Compact disc digital audio system
Laser	Semiconductor laser
Wavelength	780 – 790 nm
Frequency response	20 Hz – 20 kHz (±0.5 dB)
Signal-to-noise ratio	More than 105 dB
Dynamic range	More than 95 dB
Outputs	CD OUT (phono jacks): Output level 2 V (at 50 kilohms) Load impedance over 10 kilohms CD DIGITAL OPTICAL OUT (Square optical connector jack, rear panel): wave length 660 nm output level -18 dBm
Dimensions	Approx. 280 x 85 x 285 mm (w/h/d) (11 1/8 x 3 3/8 x 11 1/4 inches)
Mass	Approx. 2.0 kg (4 lb 7 oz)

Design and specifications are subject to
change without notice.

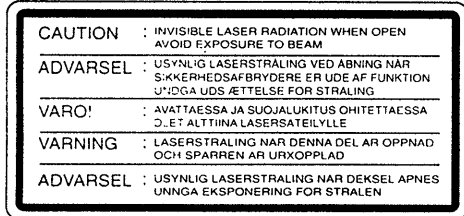
COMPACT DISC PLAYER
SONY®



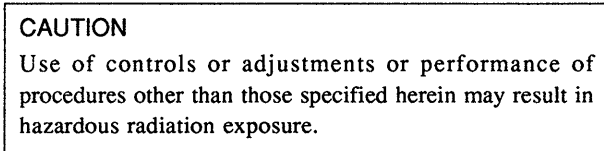
Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.



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



This caution label is located inside the unit.



Notes on chip component replacement

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

Flexible Circuit Board Repairing

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

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK Δ OR DOTTED LINE WITH MARK Δ 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.

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SERVICING NOTE

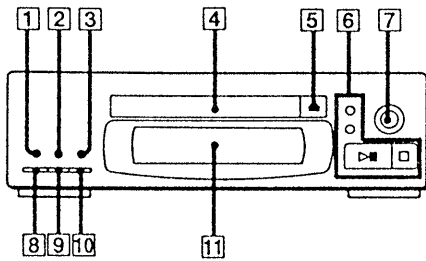
• POWER SUPPLIED WHILE SERVICING

This unit does not work independently because of not having the power supply. It must be unite together with the other units when repaired.

SECTION 1 GENERAL

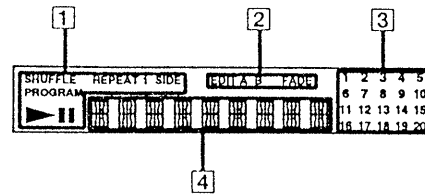
This section is extracted from instruction manual.

Front Panel



- 1 PLAY MODE button (8, 17)
- 2 REPEAT button (9)
- 3 TIME button (7)
- 4 Disc tray (7)
- 5 OPEN/CLOSE button (open/close of the disc tray) (7, 15)
- 6 CD player operating buttons
 - ◀ / ▶ (manual search) (8)
 - ▶|| (play/pause) (7, 16)
 - (stop) (7, 15)
- 7 AMS ▶▶▶ control (7, 17)
- 8 EDIT button (16, 17)
- 9 CHECK button (8, 17)
- 10 CLEAR button (8)
- 11 Display window (7, 16, 17)

Display Window



- 1 CD play mode indication (7)
- 2 CD edit mode indication (16)
- 3 Music calendar (7, 16)
- 4 Step/track number/playing time indication (7, 9, 16)

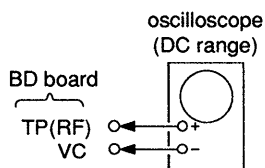
SECTION 2

ELECTRICAL ADJUSTMENTS

Note :

1. Basically designed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than 10MΩ impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.
5. Adjust the focus bias adjustment when optical block is replaced.

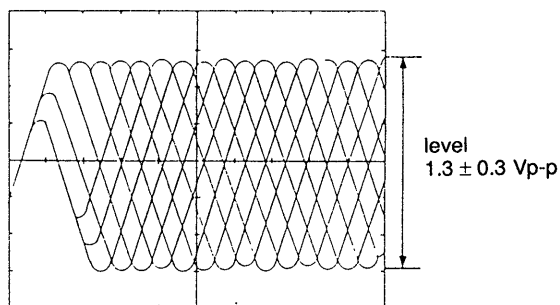
Focus Bias Adjustment



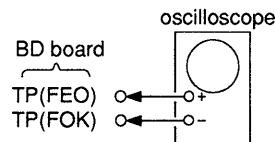
Procedure:

1. Connect oscilloscope to test point TP (RF). (GND terminal : VC)
2. Turned Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Adjust RV101 so that the waveform is clear.
(Clear RF signal waveform means that the shape “◇” can be clearly distinguished at the center of the waveform.)
5. After adjustment, check the RF signal level.

- RF signal
VOLT/DIV : 200 mV
TIME/DIV : 500 nS



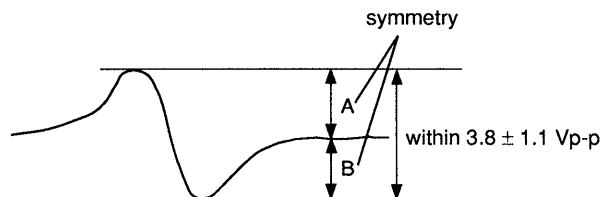
S Curve Check



Procedure :

1. Connect oscilloscope to test point TP (FEO).
2. Connect between test point TP (FOK) and GND by lead wire.
3. Turn Power switch on.
4. Put disc (YEDS-18) in and turned Power switch on again and actuate the focus search. (actuate the focus search when disc table is moving in and out.)
5. Check the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within 3.8 ± 1.1 Vp-p.

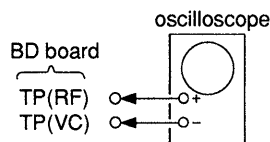
S-curve waveform



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

- Note :**
- Try to measure several times to make sure than the ratio of A : B or B : A is more than 10 : 7.
 - Take sweep time as long as possible and light up the brightness to obtain best waveform.

RF Level Check



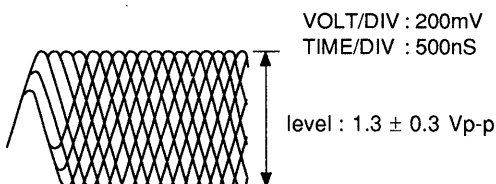
Procedure :

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

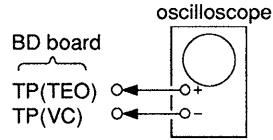
Note :

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

RF signal waveform



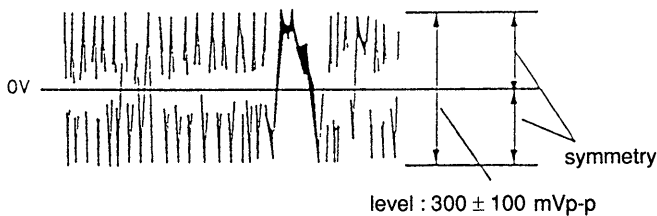
E-F Balance Check



Procedure :

1. Connect oscilloscope to test point TP (TEO).
2. Turned Power switch on.
3. Connect pin ②④ of IC601 on the PANEL board to GND with a lead wire.
4. Put disc (YEDS-18) in and playback.
5. Push TIME button.
6. Confirm that the oscilloscope waveform is symmetrical on the top and bottom in relation to 0Vdc, and check this level.

Traverse waveform



7. Remove the lead wire connected in step 1.

Focus/Tracking Gain Adjustment (RV102, RV103)

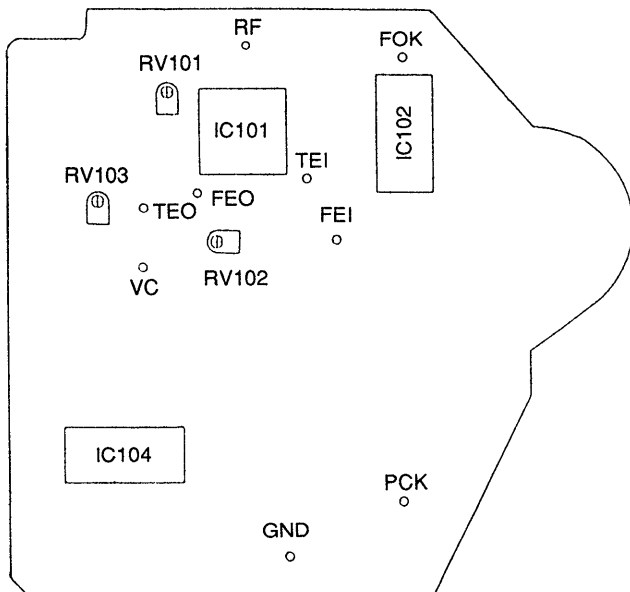
This gain has a margin, so even if it is slightly off. There is no problem.

Therefore, do not perform this adjustment.

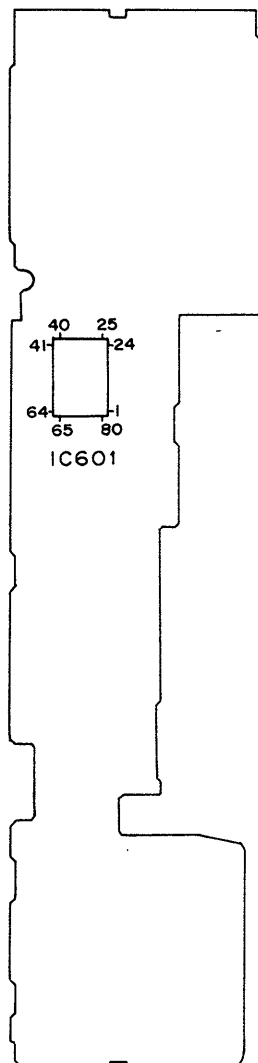
Please note that it should be fixed to mechanical center position when you moved and do not know original position.

Adjustment Location :

[BD BOARD] (Conductor Side)



[PANEL BOARD] (Conductor Side)



SECTION 3 DIAGRAMS

3-1. IC PIN FUNCTIONS

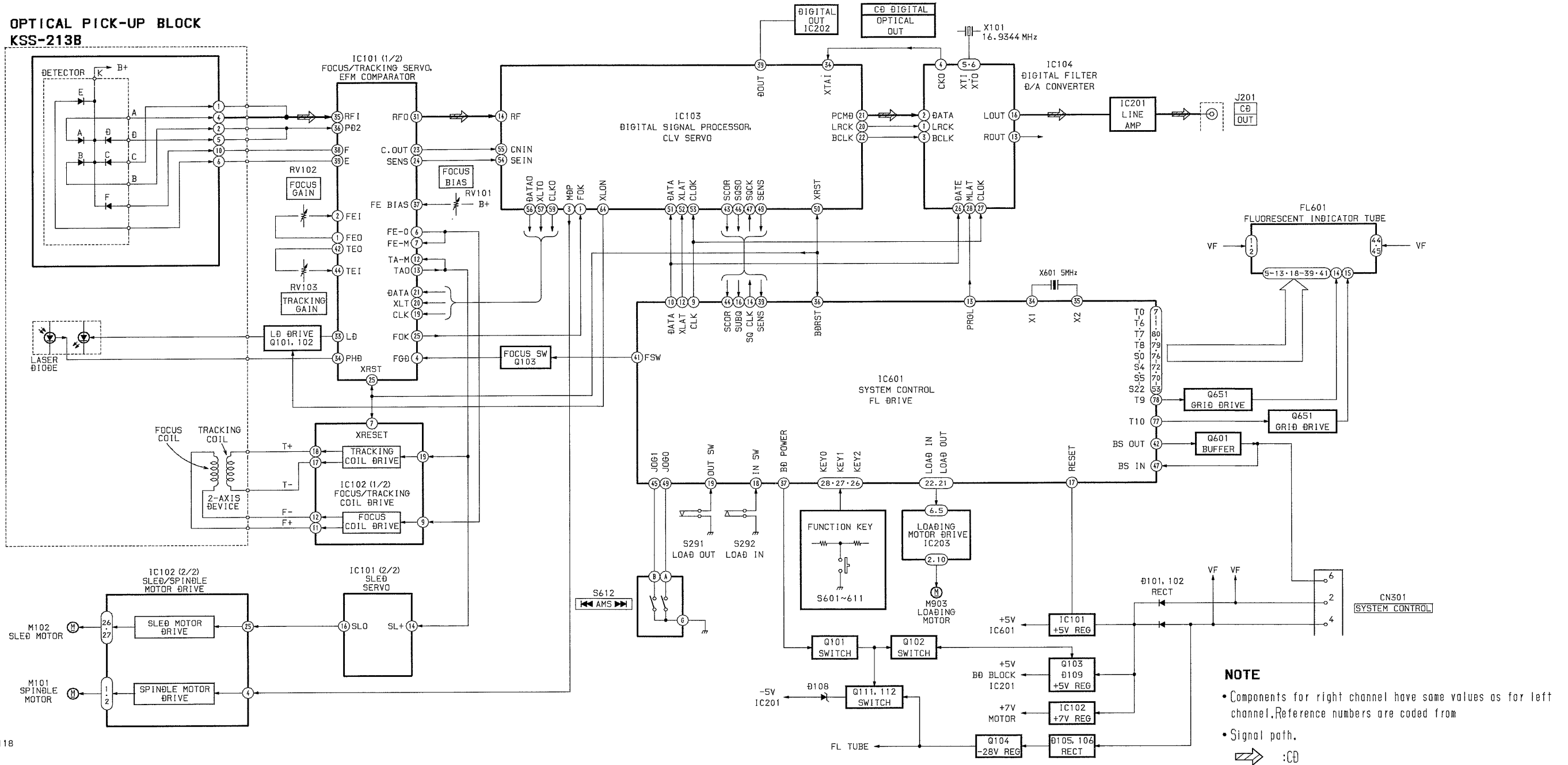
• IC601 SYSTEM CONTROL, FL DRIVER (μ PD78044AGF)

Pin No.	Pin Name	I/O	Function
1	T6	O	} FL display grid output
2	T5	O	
3	T4	O	
4	T3	O	
5	T2	O	
6	T1	O	
7	T0	O	
8	V _{DD}	—	+5V power supply
9	CLK	O	Serial clock output to DSP (CXD-2507AQ)
10	DATA	O	Serial data output to DSP (CXD-2507AQ)
11	—	—	Fixed at GND
12	XLAT	O	Serial data latch pulse output to DSP (CXD-2507AQ)
13	PRGL	O	Serial data latch pulse output to D/F DAC (PCM-1710U)
14	SQCLK	O	Subcode Q data read clock output to DSP (CXD-2507AQ)
15	—	—	Not used (open)
16	SUBQ	I	Subcode Q data input from DSP (CXD-2507AQ)
17	RESET	I	System reset input ("L"=Active)
18	INSW	I	S292 (loading-in switch) input
19	OUTSW	I	S291 (loading-out switch) input
20	AV _{ss}	—	GND
21	LDOUT	O	Output for rotating M903 (loading motor) in the loading-out direction
22	LDIN	O	Output for rotating M903 (loading motor) in the loading-in direction
23	ADJ	I	Test mode input. "L"=Stops GFS check.
24	AFADJ	I	Test mode input. Fixed at "H" ("L":Test mode)
25	MODE	I	Not used (Fixed at "H")
26	KEY2	I	} Key AD input
27	KEY1	I	
28	KEY0	I	
29	AV _{DD}	—	} +5V power supply
30	AVREF	—	
31	—	—	Fixed at GND
32	—	—	Not used (open)
33	V _{ss}	—	GND
34	X1	I	} Clock (4MHz)
35	X2	O	
36	BDRST	O	BD reset output
37	BDPOWER	O	BD power ON/OFF output
38	—	—	Not used (open)
39	SENS	I	SENS input from DSP (CXD-2507AQ)
40	AMUTE	O	Muting ON/OFF output

Pin No.	Pin Name	I/O	Function
41	FSW	O	
42	BSOUT	O	Audio bus output
43	———	—	Not used (open)
44	SCOR	I	Subcode sync S0+S1 detection input
45	JOG1	I	JOG input
46	———	—	Not used (open)
47	BSIN	I	Audio bus input
48	IC (VPP)	—	Connect to GND
49	JOG0	I	JOG input
50	———	—	} Not used (open)
51	———	—	
52	VDD	—	+5V power supply
53	S22	O	} FL display segment output
54	S21	O	
55	S20	O	
56	S19	O	
57	S18	O	
58	S17	O	
59	S16	O	
60	S15	O	
61	S14	O	
62	S13	O	
63	S12	O	
64	S11	O	
65	S10	O	
66	S9	O	
67	S8	O	
68	S7	O	
69	S6	O	
70	S5	O	
71	VLOAD	—	-28V power supply for driving FL display
72	S4	O	} FL display segment output
73	S3	O	
74	S2	O	
75	S1	O	
76	S0	O	
77	T10	O	} FL display grid output
78	T9	O	
79	T8	O	
80	T7	O	

3-2. BLOCK DIAGRAM

OPTICAL PICK-UP BLOCK
KSS-213B

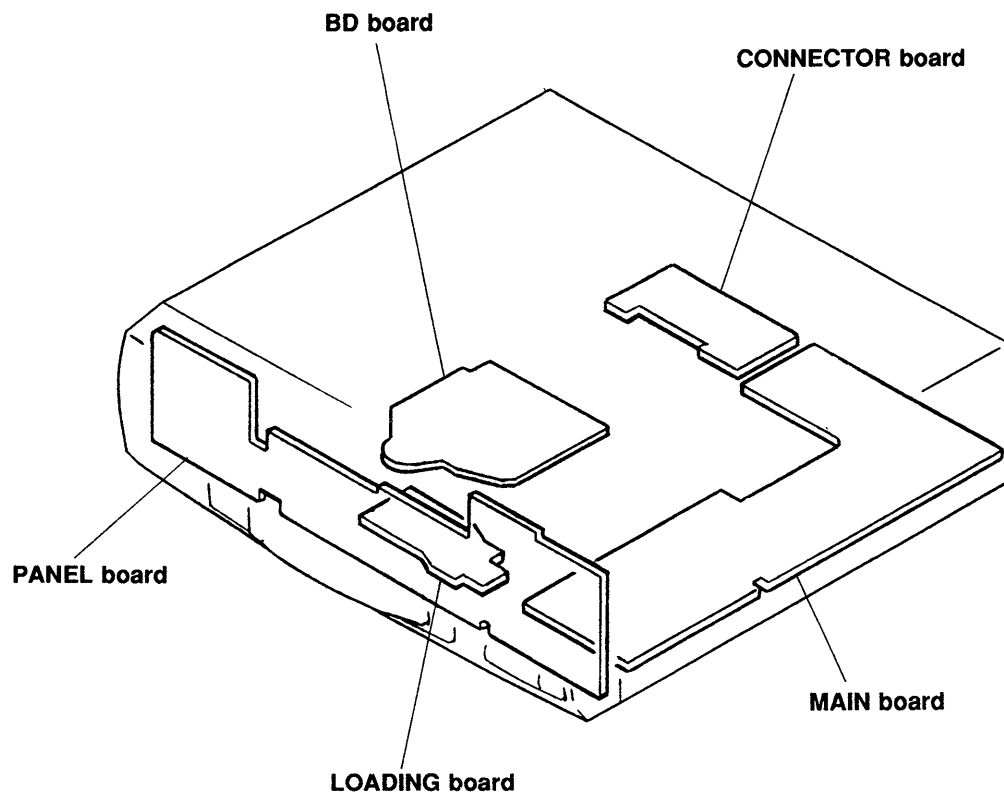


NOTE

- Components for right channel have same values as for left channel. Reference numbers are coded from
- Signal path.

⇒ : CD

3-3. CIRCUIT BOARDS LOCATION

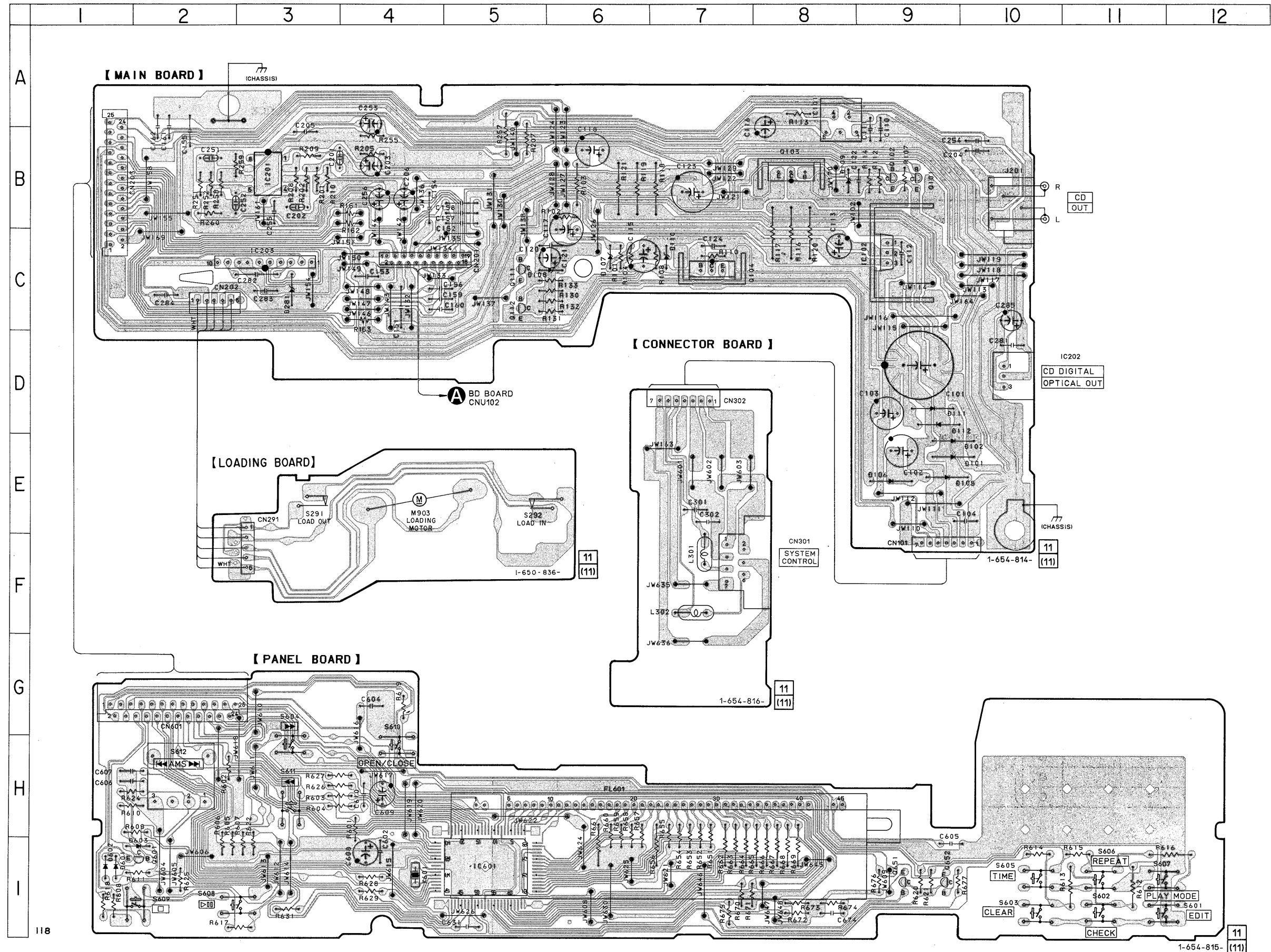


3-4. PRINTED WIRING BOARD — MAIN SECTION —
 • See page 19 for Semiconductor Lead Layouts.

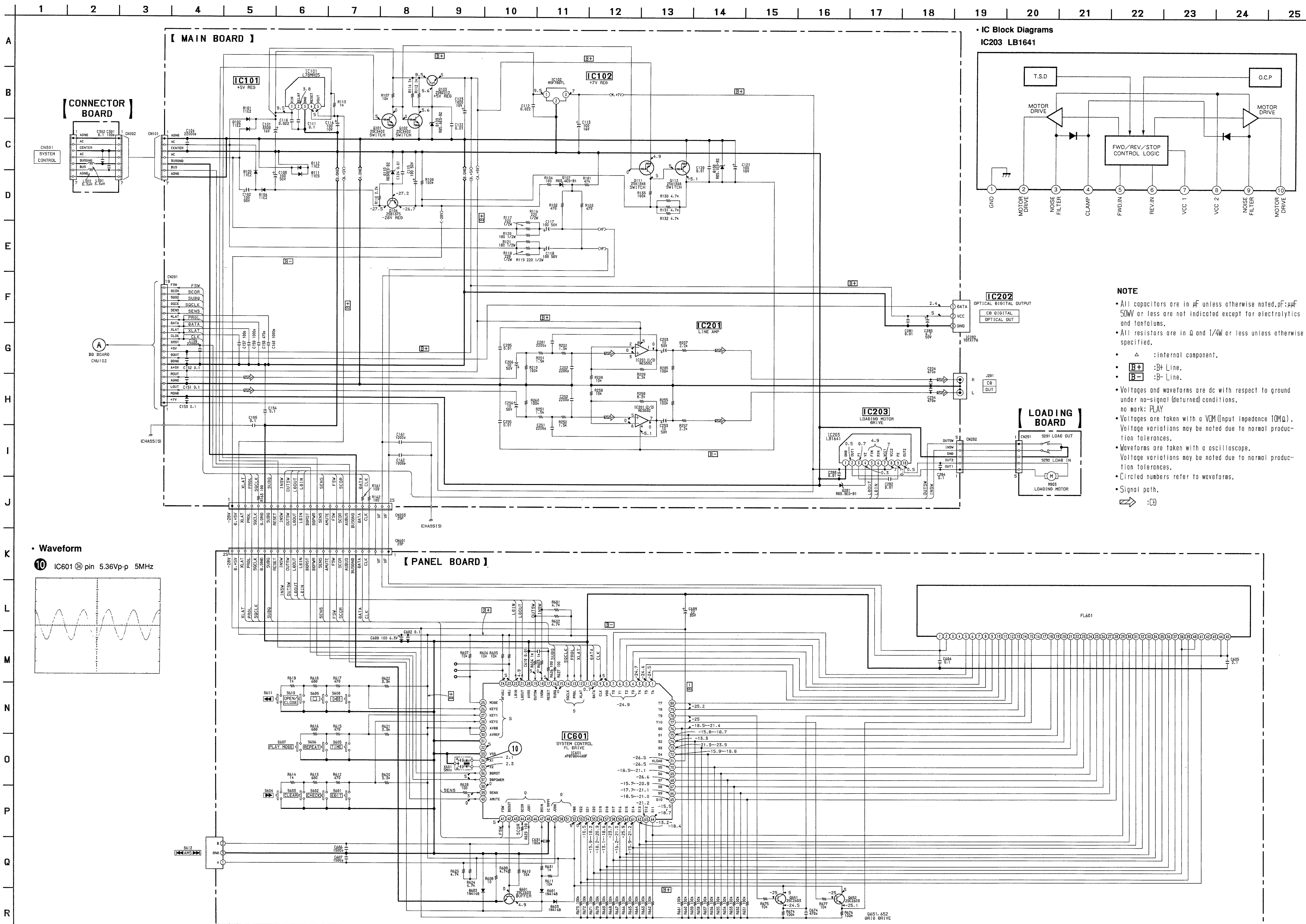
Note:
 • — : parts extracted from the component side.
 • [Pattern] : Pattern on the side which is seen.

• Semiconductor Location

Ref. No.	Location
D101	E-9
D102	E-9
D105	E-9
D106	E-9
D107	C-6
D108	C-6
D109	B-8
D110	C-7
D111	D-9
D112	D-9
D281	C-3
D601	I-1
D602	I-1
D603	I-2
IC101	A-8
IC102	C-9
IC201	B-3
IC202	D-10
IC203	C-3
IC601	I-5
Q101	B-10
Q102	B-9
Q103	B-8
Q104	C-7
Q111	C-5
Q112	C-5
Q601	I-2
Q651	I-9
Q652	I-9

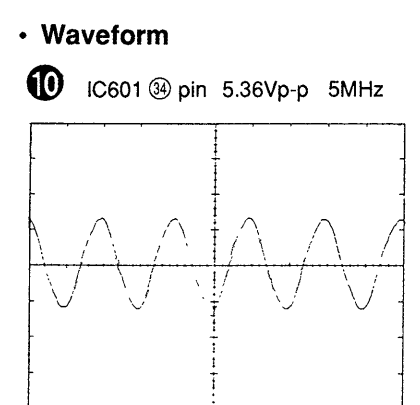


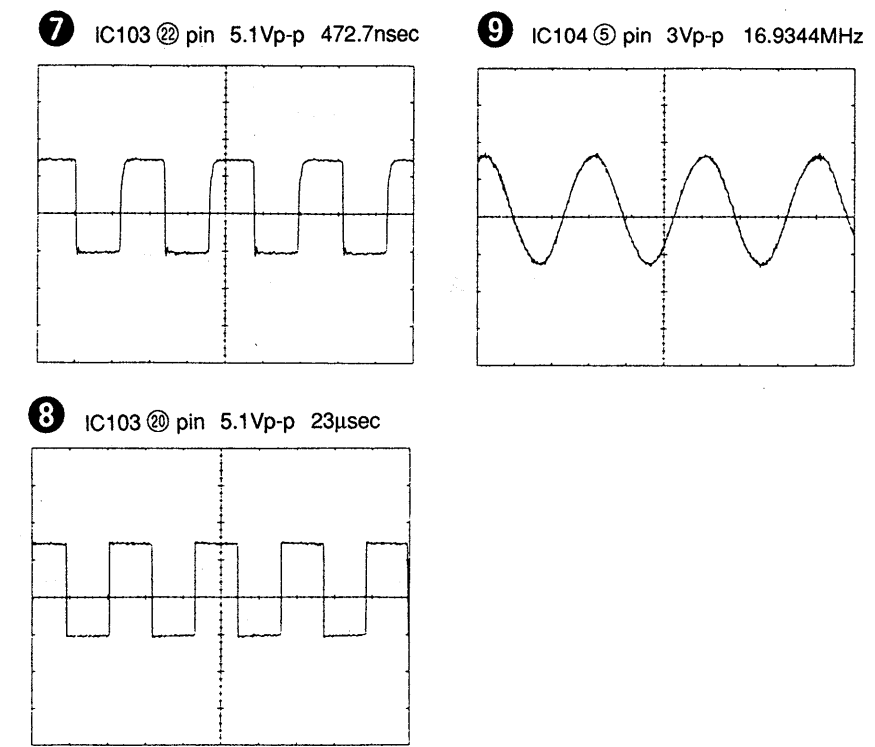
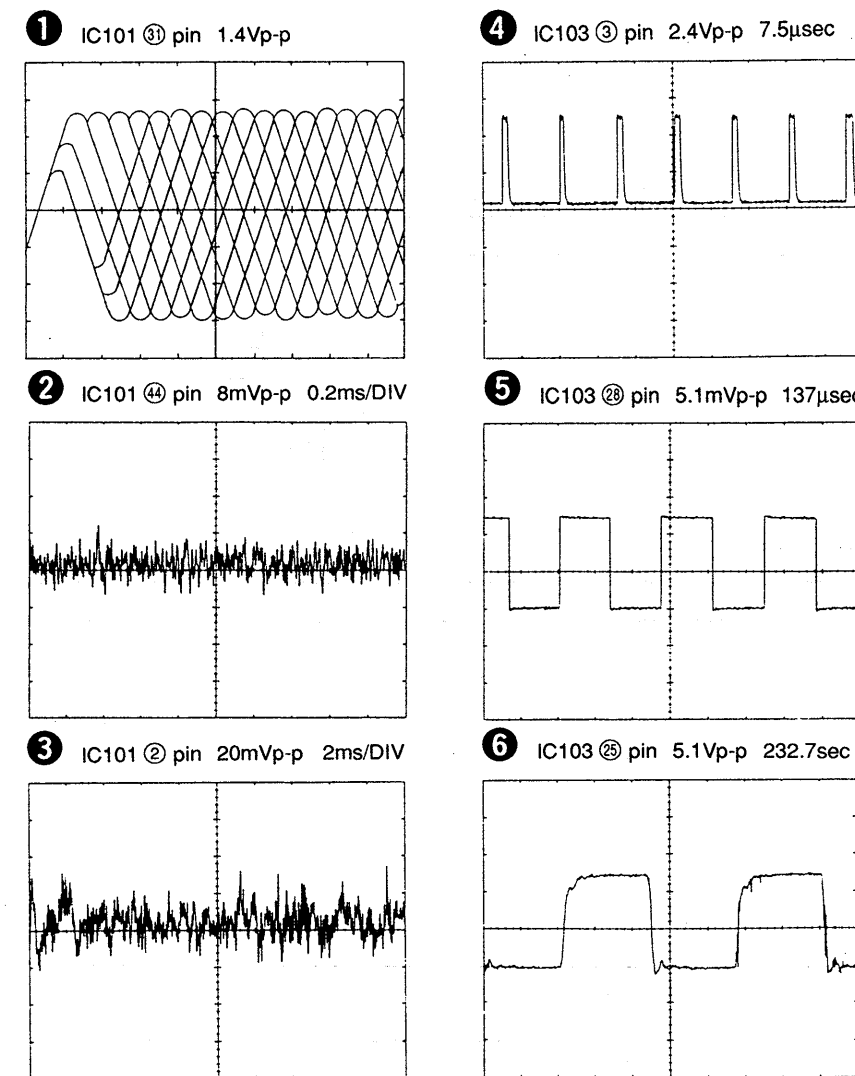
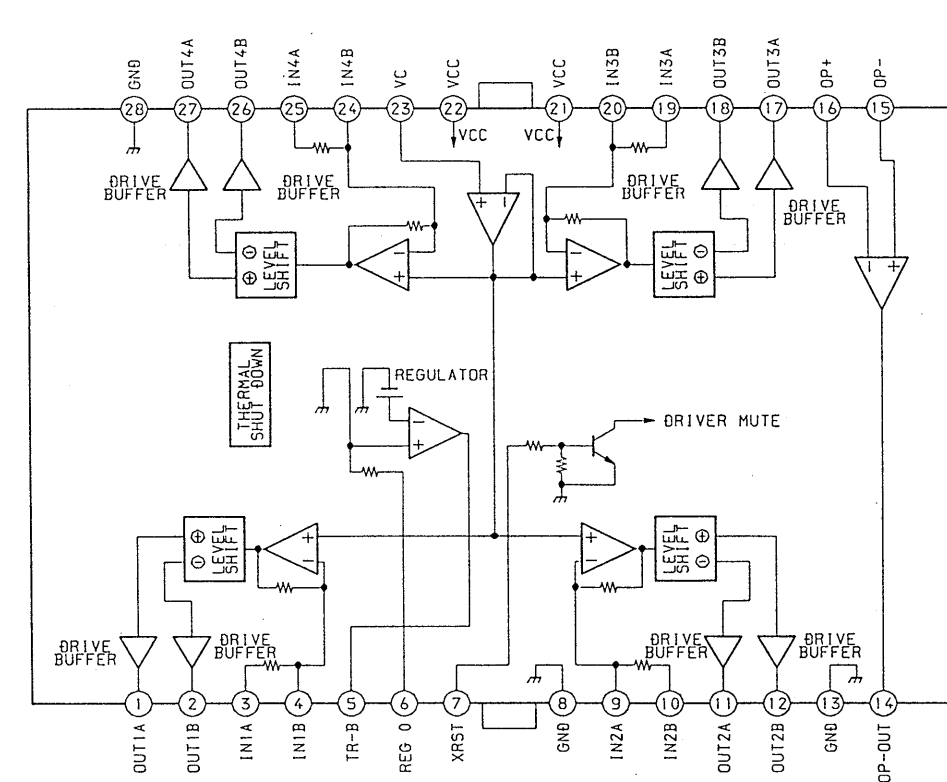
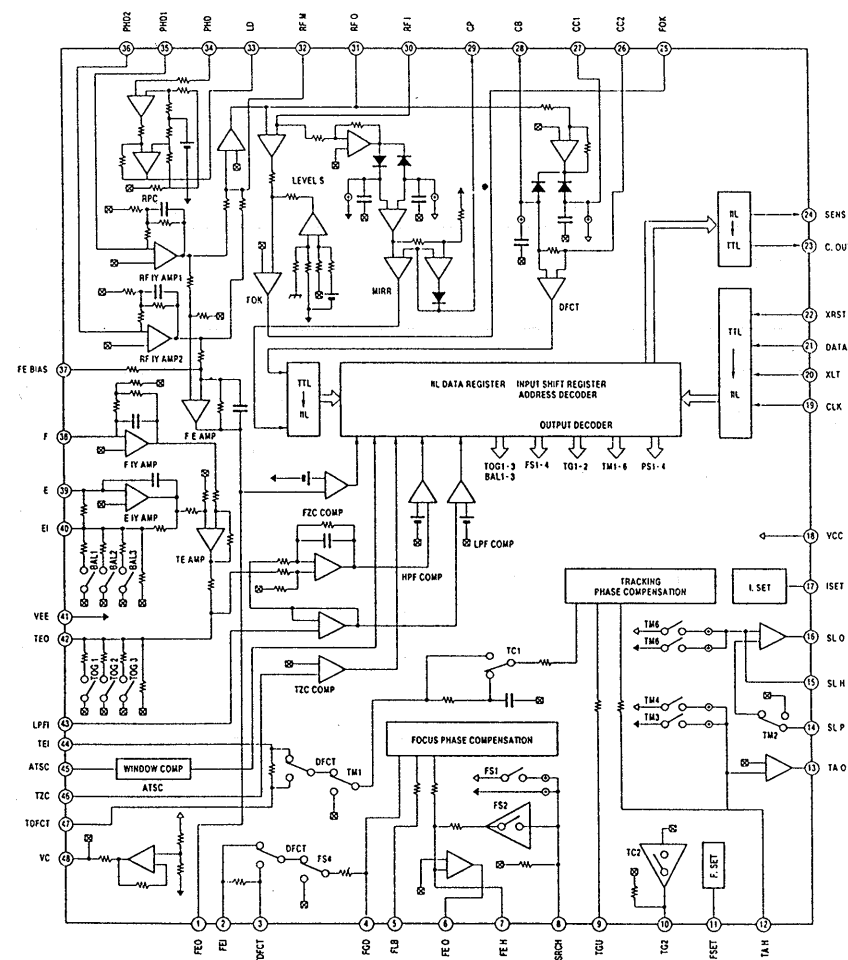
3-5. SCHEMATIC DIAGRAM — MAIN SECTION —
See page 6 for IC Pin Functions. (IC601)



NOTE

- All capacitors are in μF unless otherwise noted, pF: μF 50W 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.
- Δ : internal component.
- B+ : B+ Line.
- B- : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark: PLAY
- Voltages 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.
- \Rightarrow : CD



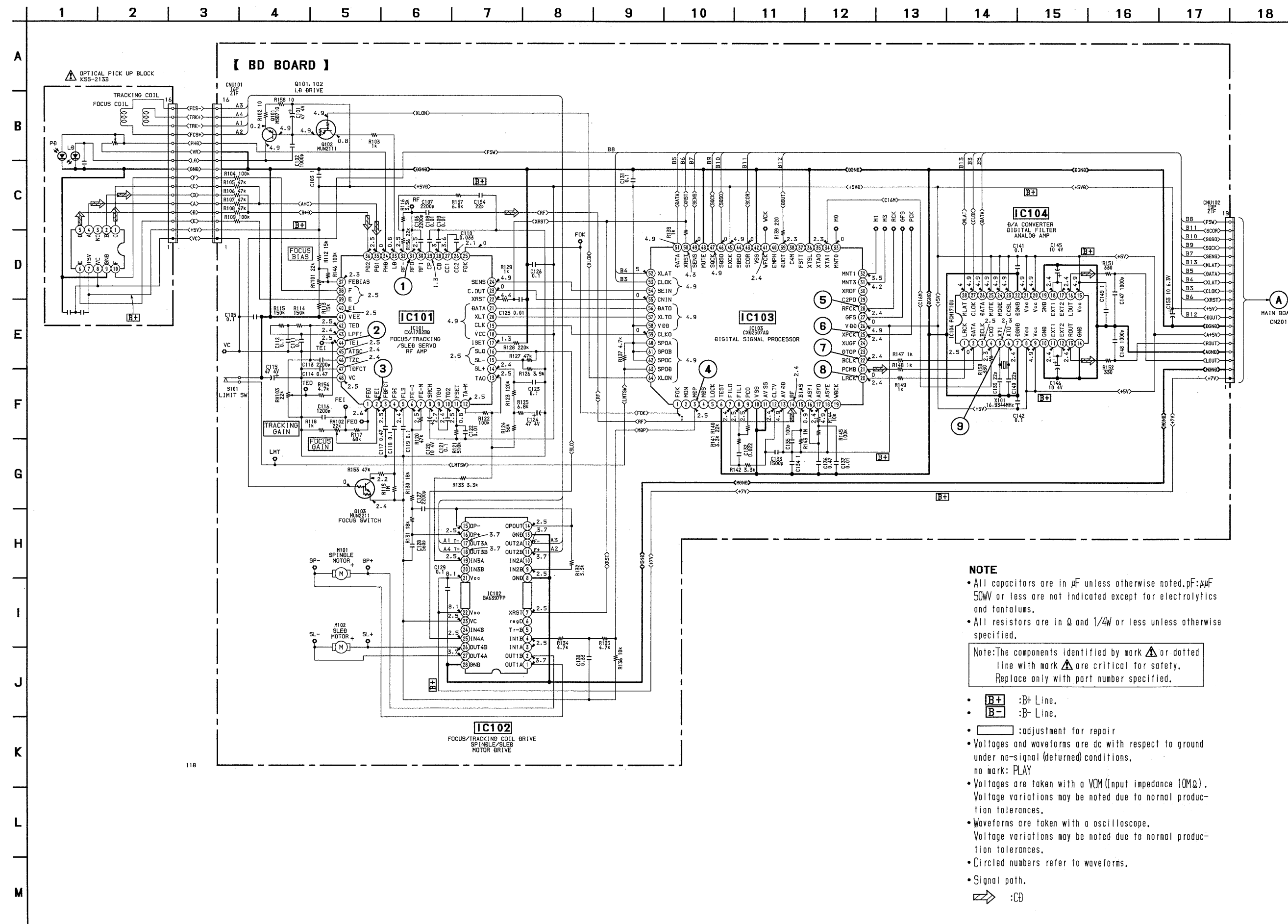


• Semiconductor Location

Ref. No.	Location
IC101	H-3
IC102	H-4
IC103	C-3
IC104	J-2
Q101	E-3
Q102	G-3
Q103	E-2

Note:
 • ⊕ : Through hole.
 • [Pattern] : Pattern on the side which is seen.
 (The other layer's patterns are not indicated.)

3-6. SCHEMATIC DIAGRAM — BD SECTION —



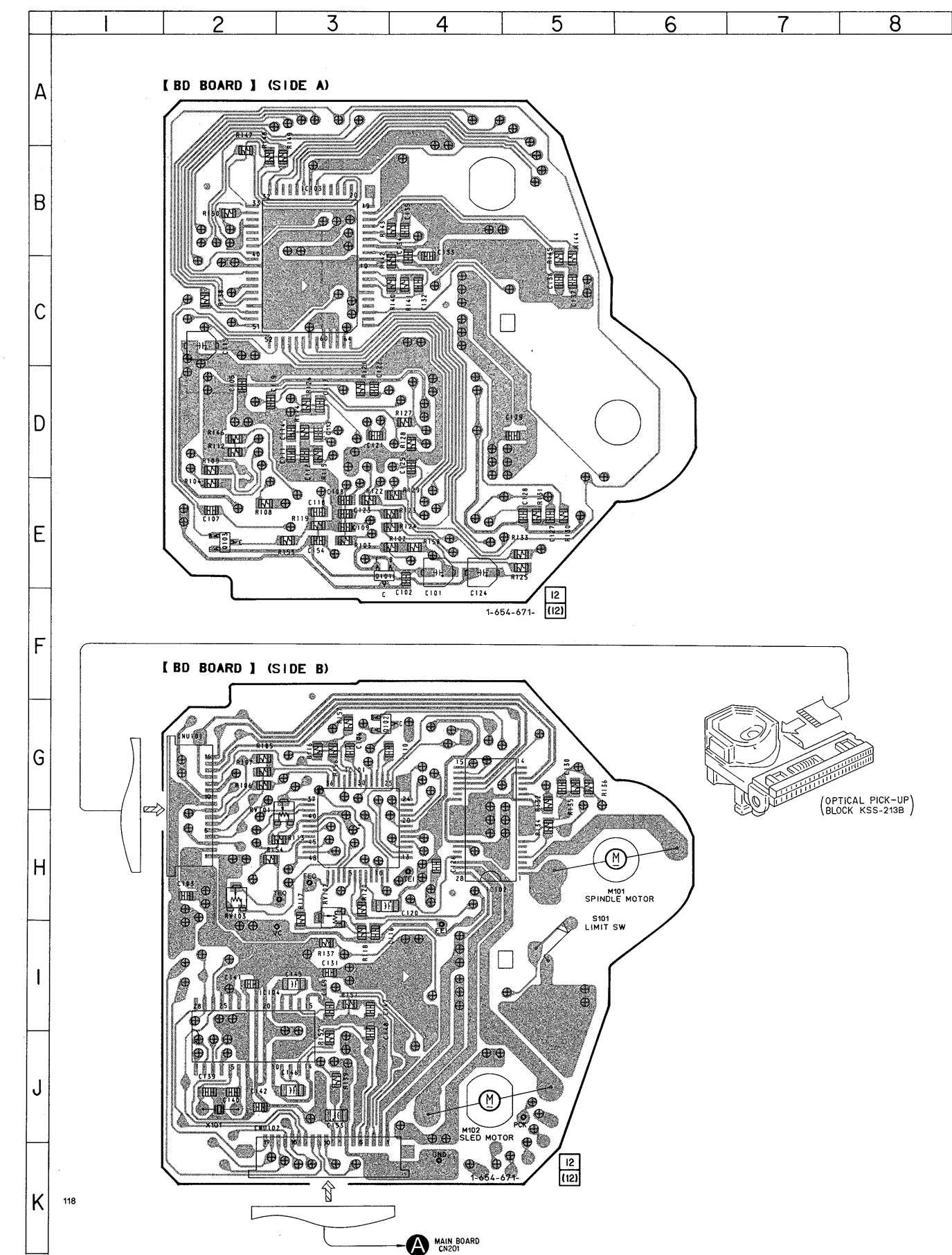
NOTE

- All capacitors are in μF unless otherwise noted, pF : μF 50W 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.

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

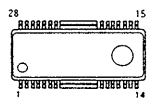
- \square : B+ Line.
- \square : B- Line.
- \square : adjustment for repair
- Voltages and waveforms are dc with respect to ground under no-signal (returned) conditions.
- no mark: PLAY
- Voltages are taken with a VOM (input impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal 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.
- \Rightarrow : CD

3-7. PRINTED WIRING BOARD — BD SECTION —
 • See page 10 for Circuit Boards Location.
 • See page 19 for Semiconductor Lead Layouts.

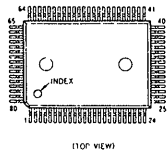


3-8. SEMICONDUCTOR LEAD LAYOUTS

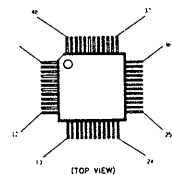
BA6397FP



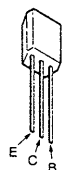
μPD78044AGF-091-3B9



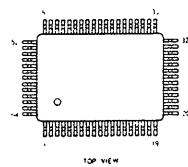
CXA1782BQ



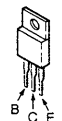
**DTA114ES
DTC114ES
2SC2603-EF**



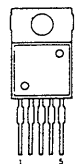
CXD2507AQ



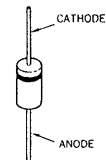
**2SB1094-LK
2SD2012**



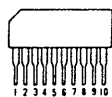
L78MR05



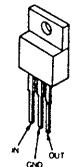
**RD3.6ES-B1
RD3.9ES-B1
RD5.1ES-B2
RD5.6ES-B2
RD30ES-B2**



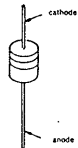
LB1641



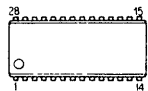
M5F7807



**1N4148M
10E2**



PCM1710U-B



SECTION 4 EXPLODED VIEWS

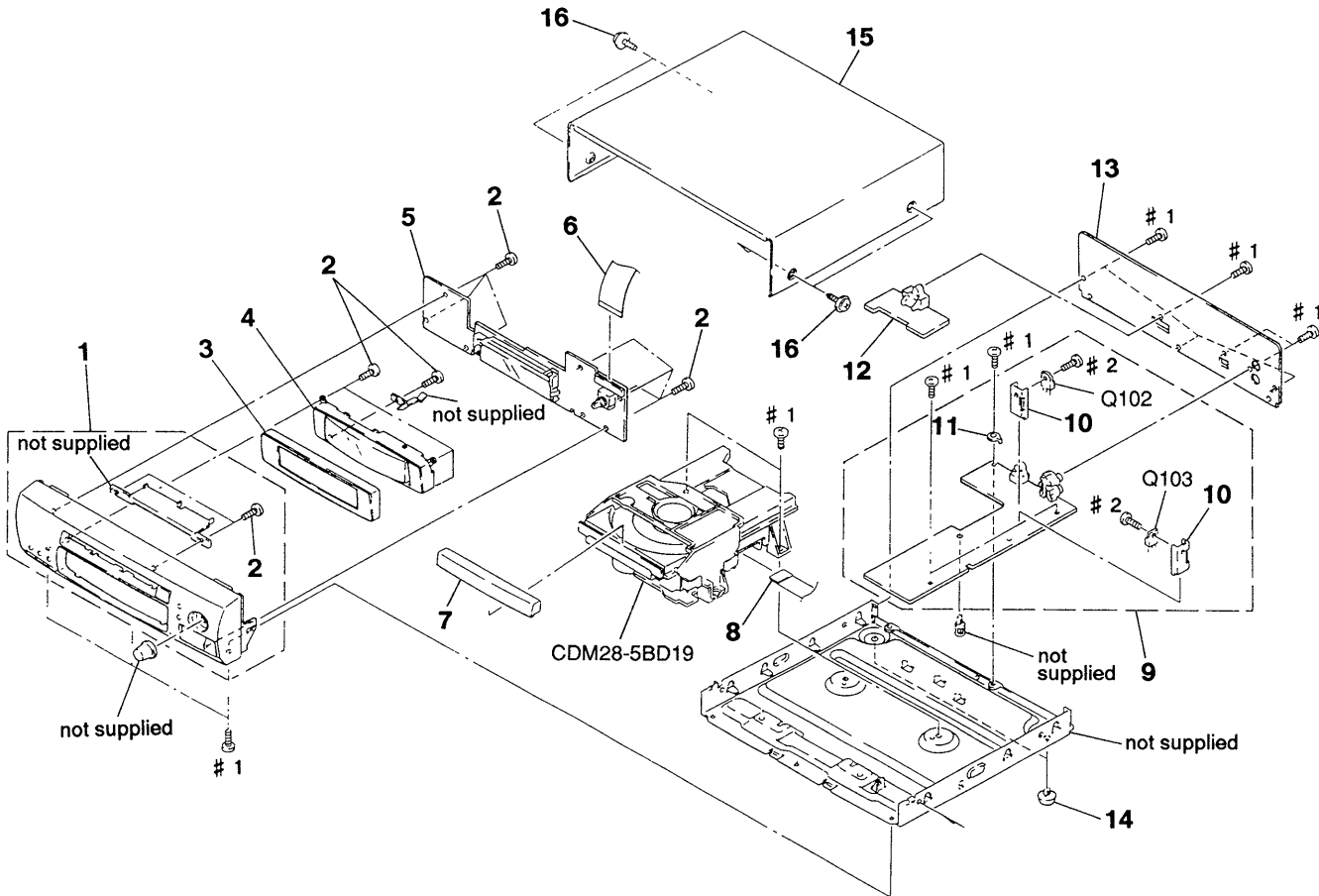
NOTE:

- Items marked “ * ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX, -X mean standardized parts, so they may have some difference from the original one.

- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

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

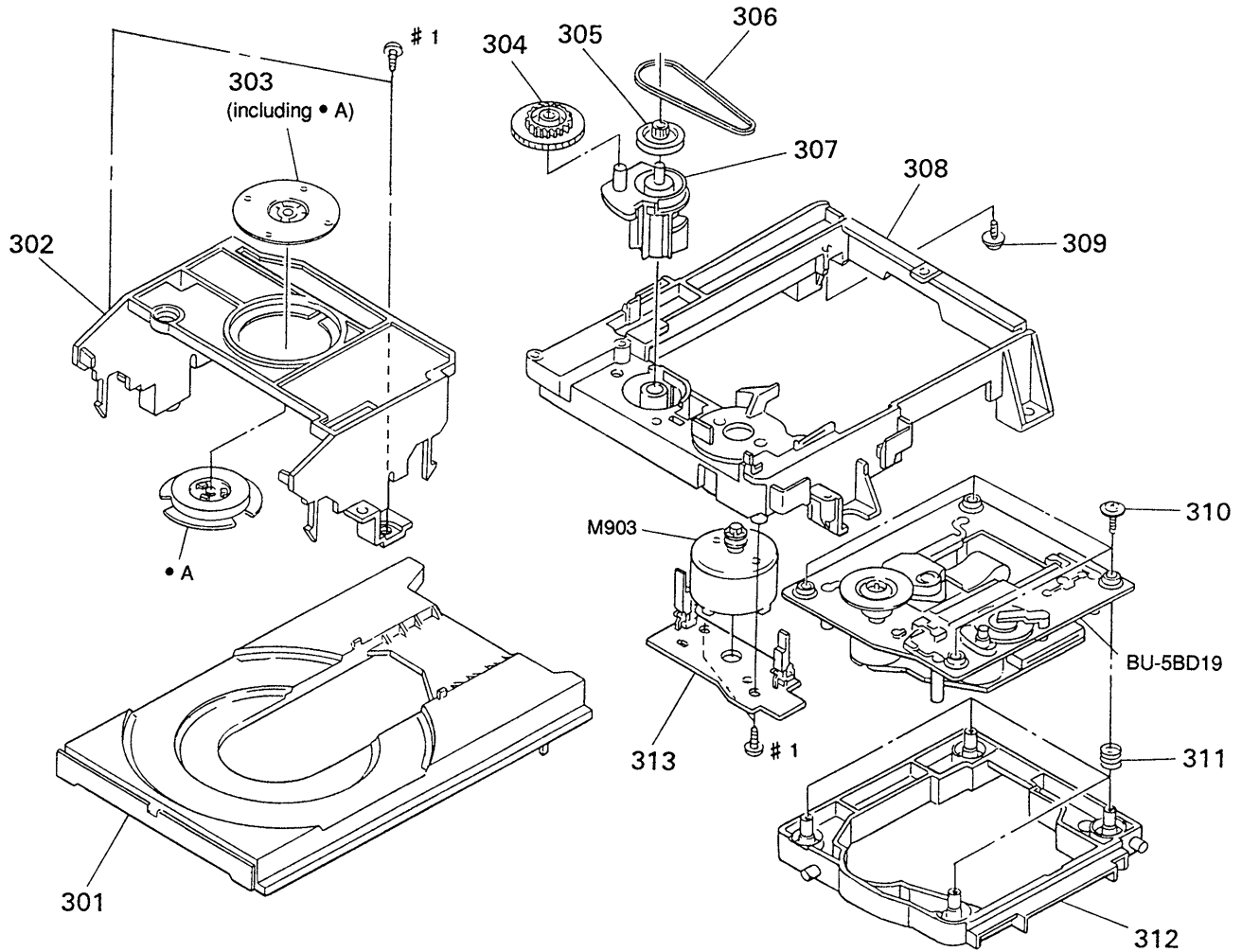
4-1. CHASSIS SECTION



Ref. No.	Part No.	Description
1	X-4945-433-1	PANEL ASSY, FRONT
2	4-951-620-01	SCREW (2. 6X8), +BVTP
3	4-970-932-01	PLATE (ST/CD), ORNAMENTAL
4	4-970-931-01	WINDOW (FL)
* 5	A-4673-377-A	PANEL BOARD, COMPLETE
6	1-769-620-11	WIRE (FLAT TYPE) (25 CORE)
7	4-970-934-01	PANEL (LOADING)
8	1-769-621-11	WIRE (FLAT TYPE) (19 CORE)
* 9	A-4673-376-A	MAIN BOARD, COMPLETE
* 10	3-309-144-21	HEAT SINK

Remark	Ref. No.	Part No.	Description	Remark
	* 11	4-870-539-00	PLATE, GROUND	
	* 12	1-654-816-11	CONNECTOR BOARD	
	* 13	4-970-937-01	PANEL, BACK	
	14	4-965-822-01	FOOT	
	15	4-970-927-21	CASE	
	16	3-363-099-01	SCREW (CASE 3 TP2)	
	Q102	8-729-900-80	TRANSISTOR DTC114ES	
	Q103	8-729-209-15	TRANSISTOR 2SD2012	

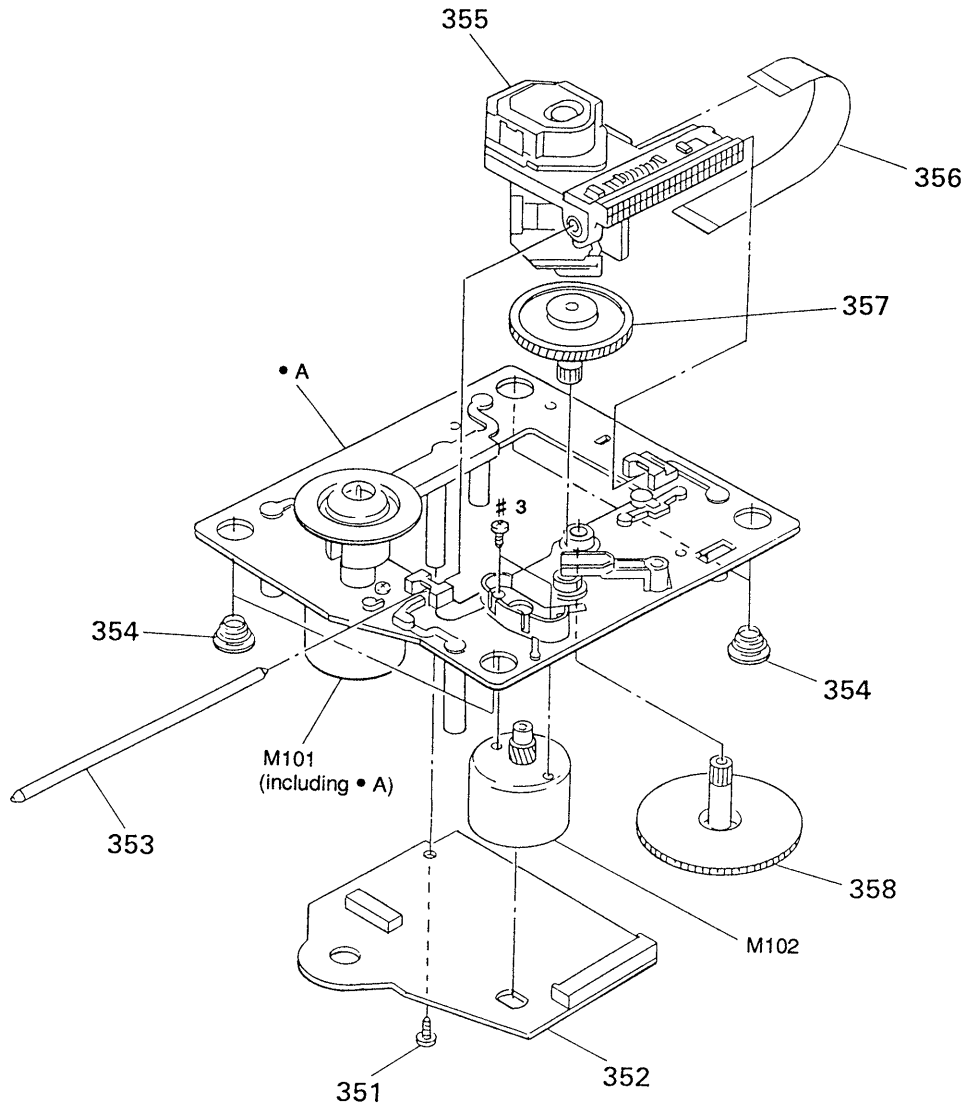
**4-2. CD MECHANISM SECTION
(CDM28-5BD19)**



Ref. No.	Part No.	Description
* 301	4-960-836-01	TABLE, DISC
* 302	4-960-835-01	HOLDER (M)
303	1-452-719-11	MAGNET ASSY
304	4-960-842-01	GEAR (P)
305	4-960-841-01	PULLEY (S)
306	4-927-649-01	BELT
* 307	4-960-839-01	CAM

Remark	Ref. No.	Part No.	Description	Remark
	* 308	4-960-838-03	BASE (MD)	
	* 309	4-917-583-21	BRACKET, YOKE	
	310	4-933-134-01	SCREW (+PTPWH M2, 6X6)	
	311	4-959-996-01	SPRING (932), COMPRESSION	
	* 312	4-960-834-01	HOLDER (BU)	
	* 313	1-650-836-11	LOADING BOARD	
	M903	A-4604-363-A	MOTOR (L) ASSY (LOADING)	

**4-3. OPTICAL PICK-UP BLOCK SECTION
(BU-5BD19)**



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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
351	4-951-620-01	SCREW (2.6X8), +BVTP		356	1-769-069-11	WIRE (FLAT TYPE) (16 CORE)	
* 352	A-4673-402-A	BD BOARD, COMPLETE		357	4-917-567-01	GEAR (M)	
353	4-917-565-01	SHAFT, SLED		358	4-917-564-01	GEAR (P), FLATNESS	
354	4-951-940-01	INSULATOR (BU)		M101	X-4917-523-4	MOTOR ASSY (SPINDLE)	
\triangle 355	8-848-367-11	DEVICE, OPTICAL KSS-213B/K-N		M102	X-4917-504-1	MOTOR ASSY (SLED)	

SECTION 5

ELECTRICAL PARTS LIST

BD

NOTE:

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

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

- 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.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms
METAL: Metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F : nonflammable
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA...: μ PA..., uPB...: μ PB...,
uPC...: μ PC..., uPD...: μ PD...
- CAPACITORS
uF : μ F
- COILS
uH : μ H

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-4673-402-A	BD BOARD, COMPLETE *****		C142	1-163-038-91	CERAMIC CHIP 0.1uF	25V
		< CAPACITOR >		C145	1-135-201-11	TANTALUM CHIP 10uF	20% 4V
C101	1-126-607-11	ELECT CHIP 47uF	20% 4V	C146	1-135-201-11	TANTALUM CHIP 10uF	20% 4V
C102	1-163-275-11	CERAMIC CHIP 0.001uF	5% 50V	C147	1-163-275-11	CERAMIC CHIP 0.001uF	5% 50V
C103	1-164-346-11	CERAMIC CHIP 1uF	16V	C148	1-163-275-11	CERAMIC CHIP 0.001uF	5% 50V
C105	1-163-038-91	CERAMIC CHIP 0.1uF	25V	C149	1-164-346-11	CERAMIC CHIP 1uF	16V
C106	1-164-695-11	CERAMIC CHIP 0.0022uF	5% 50V	C153	1-135-259-11	TANTAL. CHIP 10uF	20% 6.3V
C107	1-164-695-11	CERAMIC CHIP 0.0022uF	5% 50V	C154	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C108	1-164-232-11	CERAMIC CHIP 0.01uF	50V			< CONNECTOR >	
C109	1-164-232-11	CERAMIC CHIP 0.01uF	50V	CNU101	1-770-014-11	CONNECTOR, FFC/FPC 16P	
C110	1-163-989-11	CERAMIC CHIP 0.033uF	10% 25V	CNU102	1-770-013-11	CONNECTOR, FFC/FPC 19P	
C111	1-163-038-91	CERAMIC CHIP 0.1uF	25V			< IC >	
C112	1-163-038-91	CERAMIC CHIP 0.1uF	25V	IC101	8-752-069-56	IC CXA1782BQ-T6	
C113	1-164-695-11	CERAMIC CHIP 0.0022uF	5% 50V	IC102	8-759-291-06	IC BA6397FP-T1	
C114	1-164-005-11	CERAMIC CHIP 0.47uF	25V	IC103	8-752-372-94	IC CXD2507AQ	
C115	1-126-607-11	ELECT CHIP 47uF	20% 4V	IC104	8-759-185-29	IC PCM1710U-BT1	
C116	1-163-143-00	CERAMIC CHIP 0.0012uF	5% 50V			< TRANSISTOR >	
C117	1-164-005-11	CERAMIC CHIP 0.47uF	25V	Q101	8-729-010-08	TRANSISTOR MSB710-RT1	
C118	1-163-038-91	CERAMIC CHIP 0.1uF	25V	Q102	8-729-424-08	TRANSISTOR UN2111	
C119	1-163-038-91	CERAMIC CHIP 0.1uF	25V	Q103	8-729-421-22	TRANSISTOR UN2211	
C120	1-135-201-11	TANTALUM CHIP 10uF	20% 4V			< RESISTOR >	
C121	1-163-038-91	CERAMIC CHIP 0.1uF	25V	R102	1-216-001-00	METAL CHIP 10 5%	1/10W
C122	1-164-232-11	CERAMIC CHIP 0.01uF	50V	R103	1-216-049-00	METAL CHIP 1K 5%	1/10W
C123	1-163-038-91	CERAMIC CHIP 0.1uF	25V	R104	1-216-097-00	METAL CHIP 100K 5%	1/10W
C124	1-126-607-11	ELECT CHIP 47uF	20% 4V	R105	1-216-089-00	METAL CHIP 47K 5%	1/10W
C125	1-164-232-11	CERAMIC CHIP 0.01uF	50V	R106	1-216-089-00	METAL CHIP 47K 5%	1/10W
C126	1-163-038-91	CERAMIC CHIP 0.1uF	25V	R107	1-216-089-00	METAL CHIP 47K 5%	1/10W
C127	1-164-695-11	CERAMIC CHIP 0.0022uF	5% 50V	R108	1-216-089-00	METAL CHIP 47K 5%	1/10W
C128	1-163-135-00	CERAMIC CHIP 560PF	5% 50V	R109	1-216-097-00	METAL CHIP 100K 5%	1/10W
C129	1-163-038-91	CERAMIC CHIP 0.1uF	25V	R112	1-216-077-00	METAL CHIP 15K 5%	1/10W
C130	1-164-336-11	CERAMIC CHIP 0.33uF	25V	R113	1-216-077-00	METAL CHIP 15K 5%	1/10W
C131	1-163-038-91	CERAMIC CHIP 0.1uF	25V	R114	1-216-101-00	METAL CHIP 150K 5%	1/10W
C132	1-163-037-11	CERAMIC CHIP 0.022uF	10% 25V	R115	1-216-101-00	METAL CHIP 150K 5%	1/10W
C133	1-163-145-00	CERAMIC CHIP 0.0015uF	5% 50V	R116	1-216-061-00	METAL CHIP 3.3K 5%	1/10W
C134	1-164-346-11	CERAMIC CHIP 1uF	16V	R117	1-216-093-00	METAL CHIP 68K 5%	1/10W
C135	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	R118	1-216-049-00	METAL CHIP 1K 5%	1/10W
C136	1-164-005-11	CERAMIC CHIP 0.47uF	25V	R119	1-216-121-00	METAL CHIP 1M 5%	1/10W
C137	1-164-232-11	CERAMIC CHIP 0.01uF	50V	R120	1-216-089-00	METAL CHIP 47K 5%	1/10W
C139	1-163-235-11	CERAMIC CHIP 22PF	5% 50V				
C140	1-163-235-11	CERAMIC CHIP 22PF	5% 50V				
C141	1-163-038-91	CERAMIC CHIP 0.1uF	25V				

BD **CONNECTOR** **LOADING** **MAIN**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R121	1-216-114-00	METAL GLAZE	510K 5% 1/10W	*	1-654-816-11	CONNECTOR BOARD	
R122	1-216-097-00	METAL CHIP	100K 5% 1/10W			*****	
R123	1-216-099-00	METAL CHIP	120K 5% 1/10W			< CAPACITOR >	
R124	1-216-091-00	METAL CHIP	56K 5% 1/10W				
R125	1-216-069-00	METAL CHIP	6.8K 5% 1/10W	C301	1-162-282-31	CERAMIC 100PF 10% 50V	
R126	1-216-063-00	METAL CHIP	3.9K 5% 1/10W	C302	1-164-159-11	CERAMIC 0.1uF 50V	
R127	1-216-089-00	METAL CHIP	47K 5% 1/10W			< CONNECTOR >	
R128	1-216-105-91	METAL GLAZE	220K 5% 1/10W				
R129	1-216-049-00	METAL CHIP	1K 5% 1/10W	CN301	1-770-158-11	SOCKET, CONNECTOR 7P	
R130	1-216-079-00	METAL CHIP	18K 5% 1/10W	CN302	1-770-031-11	CONNECTOR, BOARD TO BOARD 7P	
R131	1-216-079-00	METAL CHIP	18K 5% 1/10W			< COIL >	
R132	1-216-061-00	METAL CHIP	3.3K 5% 1/10W				
R133	1-216-061-00	METAL CHIP	3.3K 5% 1/10W	L301	1-410-464-11	INDUCTOR 3.3uH	
R134	1-216-065-00	METAL CHIP	4.7K 5% 1/10W	L302	1-410-464-11	INDUCTOR 3.3uH	
R135	1-216-065-00	METAL CHIP	4.7K 5% 1/10W			*****	
R136	1-216-073-00	METAL CHIP	10K 5% 1/10W	*	1-650-836-11	LOADING BOARD	
R137	1-216-065-00	METAL CHIP	4.7K 5% 1/10W			*****	
R138	1-216-049-00	METAL CHIP	1K 5% 1/10W			< CONNECTOR >	
R139	1-216-033-00	METAL CHIP	220 5% 1/10W				
R140	1-216-081-00	METAL CHIP	22K 5% 1/10W	* CN291	1-568-943-11	PIN, CONNECTOR 5P	
R141	1-216-061-00	METAL CHIP	3.3K 5% 1/10W			< SWITCH >	
R142	1-216-061-00	METAL CHIP	3.3K 5% 1/10W				
R143	1-216-121-00	METAL CHIP	1M 5% 1/10W	S291	1-572-086-11	SWITCH, LEAF (LOAD OUT)	
R144	1-216-073-00	METAL CHIP	10K 5% 1/10W	S292	1-572-086-11	SWITCH, LEAF (LOAD IN)	
R145	1-216-097-00	METAL CHIP	100K 5% 1/10W			*****	
R146	1-216-097-00	METAL CHIP	100K 5% 1/10W	*	A-4673-376-A	MAIN BOARD, COMPLETE	
R147	1-216-049-00	METAL CHIP	1K 5% 1/10W			*****	
R148	1-216-049-00	METAL CHIP	1K 5% 1/10W	*	3-309-144-21	HEAT SINK	
R149	1-216-049-00	METAL CHIP	1K 5% 1/10W	*	4-870-539-00	PLATE, GROUND	
R150	1-216-037-00	METAL CHIP	330 5% 1/10W		7-685-871-01	SCREW +BVTT 3X6 (S)	
R151	1-216-037-00	METAL CHIP	330 5% 1/10W			< CAPACITOR >	
R152	1-216-037-00	METAL CHIP	330 5% 1/10W	C101	1-128-489-11	ELECT 3300uF 20% 16V	
R153	1-216-089-00	METAL CHIP	47K 5% 1/10W	C102	1-124-122-11	ELECT 100uF 20% 50V	
R154	1-216-065-00	METAL CHIP	4.7K 5% 1/10W	C103	1-124-122-11	ELECT 100uF 20% 50V	
R155	1-216-001-00	METAL CHIP	10 5% 1/10W	C104	1-161-494-00	CERAMIC 0.022uF 25V	
		< VARIABLE RESISTOR >		C110	1-161-494-00	CERAMIC 0.022uF 25V	
RV101	1-241-396-11	RES, ADJ, METAL GLAZE	22K	C111	1-164-159-11	CERAMIC 0.1uF 50V	
RV102	1-241-396-11	RES, ADJ, METAL GLAZE	22K	C112	1-161-494-00	CERAMIC 0.022uF 25V	
RV103	1-241-396-11	RES, ADJ, METAL GLAZE	22K	C113	1-126-101-11	ELECT 100uF 20% 16V	
		< SWITCH >		C115	1-124-122-11	ELECT 100uF 20% 50V	
S101	1-572-085-11	SWITCH, LEAF (LIMIT SW)		C116	1-124-443-00	ELECT 100uF 20% 10V	
		< VIBRATOR >		C117	1-124-122-11	ELECT 100uF 20% 50V	
X101	1-579-280-11	VIBRATOR, CRYSTAL (16.9344MHz)		C118	1-124-122-11	ELECT 100uF 20% 50V	
		*****		C120	1-162-306-11	CERAMIC 0.01uF 30% 16V	
				C121	1-124-443-00	ELECT 100uF 20% 10V	
				C122	1-162-306-11	CERAMIC 0.01uF 30% 16V	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C123	1-124-473-11	ELECT	1000uF 20% 10V			< IC >	
C124	1-162-306-11	CERAMIC	0.01uF 30% 16V				
C151	1-164-159-11	CERAMIC	0.1uF 50V	IC101	8-759-820-84	IC L78MR05	
C152	1-164-159-11	CERAMIC	0.1uF 50V	IC102	8-759-604-86	IC M5F7807L	
C153	1-164-159-11	CERAMIC	0.1uF 50V	IC201	8-759-900-72	IC NE5532P	
C154	1-164-159-11	CERAMIC	0.1uF 50V	IC202	8-749-923-04	IC TOTX178 (CD DIGITAL (OPTICAL OUT))	
C155	1-164-159-11	CERAMIC	0.1uF 50V	IC203	8-759-822-09	IC LB1641	
C156	1-161-494-00	CERAMIC	0.022uF 25V			< JACK >	
C157	1-162-282-31	CERAMIC	100PF 10% 50V	J201	1-770-272-11	JACK, PIN 2P (CD (OUT))	
C158	1-162-290-31	CERAMIC	470PF 10% 50V			< TRANSISTOR >	
C159	1-162-294-31	CERAMIC	0.001uF 10% 50V				
C160	1-162-294-31	CERAMIC	0.001uF 10% 50V	Q101	8-729-900-80	TRANSISTOR DTC114ES	
C161	1-162-294-31	CERAMIC	0.001uF 10% 50V	Q102	8-729-900-80	TRANSISTOR DTC114ES	
C162	1-162-294-31	CERAMIC	0.001uF 10% 50V	Q103	8-729-209-15	TRANSISTOR 2SD2012	
C201	1-130-475-00	MYLAR	0.0022uF 5% 50V	Q104	8-729-141-83	TRANSISTOR 2SB1094-LK	
C202	1-130-475-00	MYLAR	0.0022uF 5% 50V	Q111	8-729-900-61	TRANSISTOR DTA114ES	
C203	1-124-907-11	ELECT	10uF 20% 50V	Q112	8-729-900-61	TRANSISTOR DTA114ES	
C204	1-162-290-31	CERAMIC	470PF 10% 50V			< RESISTOR >	
C205	1-162-306-11	CERAMIC	0.01uF 30% 16V	R101	1-249-437-11	CARBON 47K 5% 1/4W	
C206	1-124-907-11	ELECT	10uF 20% 50V	R102	1-249-413-11	CARBON 470 5% 1/4W	
C251	1-130-475-00	MYLAR	0.0022uF 5% 50V	R103	1-249-413-11	CARBON 470 5% 1/4W	
C252	1-130-475-00	MYLAR	0.0022uF 5% 50V	R104	1-247-807-31	CARBON 100 5% 1/4W	
C253	1-124-907-11	ELECT	10uF 20% 50V	R107	1-249-429-11	CARBON 10K 5% 1/4W	
C254	1-162-290-31	CERAMIC	470PF 10% 50V	R108	1-249-441-11	CARBON 100K 5% 1/4W	
C255	1-162-306-11	CERAMIC	0.01uF 30% 16V	R110	1-249-421-11	CARBON 2.2K 5% 1/4W	
C256	1-124-907-11	ELECT	10uF 20% 50V	R112	1-249-417-11	CARBON 1K 5% 1/4W	
C281	1-162-306-11	CERAMIC	0.01uF 30% 16V	R113	1-249-417-11	CARBON 1K 5% 1/4W	
C282	1-162-306-11	CERAMIC	0.01uF 30% 16V	R114	1-249-417-11	CARBON 1K 5% 1/4W	
C283	1-162-306-11	CERAMIC	0.01uF 30% 16V	R116	1-260-091-11	CARBON 220 5% 1/2W	
C284	1-164-159-11	CERAMIC	0.1uF 50V	R117	1-260-091-11	CARBON 220 5% 1/2W	
C285	1-124-927-11	ELECT	4.7uF 20% 100V	R118	1-260-091-11	CARBON 220 5% 1/2W	
		< CONNECTOR >		R119	1-260-091-11	CARBON 220 5% 1/2W	
* CN101	1-691-406-11	CONNECTOR, BOARD TO BOARD 7P		R120	1-260-090-11	CARBON 180 5% 1/2W	
CN201	1-770-167-11	CONNECTOR, FFC/FPC 19P		R121	1-260-090-11	CARBON 180 5% 1/2W	
* CN202	1-564-339-00	PIN, CONNECTOR 5P		R130	1-249-425-11	CARBON 4.7K 5% 1/4W	
* CN203	1-568-841-11	SOCKET, CONNECTOR 25P		R131	1-249-425-11	CARBON 4.7K 5% 1/4W	
		< DIODE >		R132	1-249-425-11	CARBON 4.7K 5% 1/4W	
D101	8-719-200-02	DIODE 10E2		R133	1-249-441-11	CARBON 100K 5% 1/4W	
D102	8-719-200-02	DIODE 10E2		R161	1-247-807-31	CARBON 100 5% 1/4W	
D105	8-719-200-02	DIODE 10E2		R162	1-247-807-31	CARBON 100 5% 1/4W	
D106	8-719-200-02	DIODE 10E2		R163	1-247-807-31	CARBON 100 5% 1/4W	
D107	8-719-109-68	DIODE RD3.6ES-B1		R201	1-249-419-11	CARBON 1.5K 5% 1/4W	
D108	8-719-109-85	DIODE RD5.1ES-B2		R202	1-249-419-11	CARBON 1.5K 5% 1/4W	
D109	8-719-109-89	DIODE RD5.6ESB2		R205	1-249-441-11	CARBON 100K 5% 1/4W	
D110	8-719-110-72	DIODE RD30ESB2		R207	1-249-421-11	CARBON 2.2K 5% 1/4W	
D111	8-719-200-02	DIODE 10E2		R208	1-249-429-11	CARBON 10K 5% 1/4W	
D112	8-719-200-02	DIODE 10E2		R209	1-249-428-11	CARBON 8.2K 5% 1/4W	
D281	8-719-109-71	DIODE RD3.9ES-B1		R210	1-249-441-11	CARBON 100K 5% 1/4W	

MAIN PANEL

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R251	1-249-419-11	CARBON	1.5K 5% 1/4W	R605	1-249-429-11	CARBON	10K 5% 1/4W
R252	1-249-419-11	CARBON	1.5K 5% 1/4W	R606	1-249-429-11	CARBON	10K 5% 1/4W
R255	1-249-441-11	CARBON	100K 5% 1/4W	R607	1-249-429-11	CARBON	10K 5% 1/4W
R257	1-249-421-11	CARBON	2.2K 5% 1/4W	R608	1-249-393-11	CARBON	10 5% 1/4W
R258	1-249-429-11	CARBON	10K 5% 1/4W	R609	1-249-425-11	CARBON	4.7K 5% 1/4W
R259	1-249-428-11	CARBON	8.2K 5% 1/4W	R610	1-249-429-11	CARBON	10K 5% 1/4W
R260	1-249-441-11	CARBON	100K 5% 1/4W	R611	1-249-429-11	CARBON	10K 5% 1/4W

*	A-4673-377-A PANEL BOARD, COMPLETE			R612	1-249-413-11	CARBON	470 5% 1/4W
	*****			R613	1-249-415-11	CARBON	680 5% 1/4W
*	4-970-936-01 HOLDER (FL)			R614	1-249-417-11	CARBON	1K 5% 1/4W
	< CAPACITOR >			R615	1-249-413-11	CARBON	470 5% 1/4W
C602	1-164-159-11	CERAMIC	0.1uF 50V	R616	1-249-415-11	CARBON	680 5% 1/4W
C604	1-164-159-11	CERAMIC	0.1uF 50V	R617	1-249-413-11	CARBON	470 5% 1/4W
C605	1-164-159-11	CERAMIC	0.1uF 50V	R618	1-249-415-11	CARBON	680 5% 1/4W
C606	1-162-301-11	CERAMIC	0.0015uF 30% 16V	R619	1-249-417-11	CARBON	1K 5% 1/4W
C607	1-162-301-11	CERAMIC	0.0015uF 30% 16V	R620	1-249-423-11	CARBON	3.3K 5% 1/4W
C608	1-126-177-11	ELECT	100uF 20% 10V	R621	1-249-423-11	CARBON	3.3K 5% 1/4W
C609	1-124-916-11	ELECT	22uF 20% 63V	R622	1-249-423-11	CARBON	3.3K 5% 1/4W
C610	1-162-306-11	CERAMIC	0.01uF 30% 16V	R624	1-249-425-11	CARBON	4.7K 5% 1/4W
C631	1-162-282-31	CERAMIC	100PF 10% 50V	R625	1-249-425-11	CARBON	4.7K 5% 1/4W
C674	1-162-290-31	CERAMIC	470PF 10% 50V	R626	1-247-807-31	CARBON	100 5% 1/4W
	< CONNECTOR >			R627	1-247-807-31	CARBON	100 5% 1/4W
* CN601	1-568-867-11 SOCKET, CONNECTOR 25P			R628	1-247-807-31	CARBON	100 5% 1/4W
	< DIODE >			R629	1-247-807-31	CARBON	100 5% 1/4W
D601	8-719-987-63	DIODE	1N4148M	R631	1-249-417-11	CARBON	1K 5% 1/4W
D602	8-719-987-63	DIODE	1N4148M	R651	1-249-441-11	CARBON	100K 5% 1/4W
D603	8-719-987-63	DIODE	1N4148M	R652	1-249-441-11	CARBON	100K 5% 1/4W
	< FLUORESCENT INDICATOR >			R653	1-249-441-11	CARBON	100K 5% 1/4W
FL601	1-517-369-11 INDICATOR TUBE, FLUORESCENT			R654	1-249-441-11	CARBON	100K 5% 1/4W
	< IC >			R655	1-249-441-11	CARBON	100K 5% 1/4W
IC601	8-759-340-60 IC uPD78044AGF-091-3B9			R656	1-249-441-11	CARBON	100K 5% 1/4W
	< TRANSISTOR >			R657	1-249-441-11	CARBON	100K 5% 1/4W
Q601	8-729-620-05	TRANSISTOR	2SC2603-EF	R658	1-249-441-11	CARBON	100K 5% 1/4W
Q651	8-729-620-05	TRANSISTOR	2SC2603-EF	R659	1-249-441-11	CARBON	100K 5% 1/4W
Q652	8-729-620-05	TRANSISTOR	2SC2603-EF	R660	1-249-441-11	CARBON	100K 5% 1/4W
	< RESISTOR >			R661	1-249-441-11	CARBON	100K 5% 1/4W
R601	1-249-425-11	CARBON	4.7K 5% 1/4W	R662	1-249-441-11	CARBON	100K 5% 1/4W
R602	1-249-425-11	CARBON	4.7K 5% 1/4W	R663	1-249-441-11	CARBON	100K 5% 1/4W
R603	1-249-417-11	CARBON	1K 5% 1/4W	R664	1-249-441-11	CARBON	100K 5% 1/4W
R604	1-249-417-11	CARBON	1K 5% 1/4W	R665	1-249-441-11	CARBON	100K 5% 1/4W
				R666	1-249-441-11	CARBON	100K 5% 1/4W
				R667	1-249-441-11	CARBON	100K 5% 1/4W
				R668	1-249-441-11	CARBON	100K 5% 1/4W
				R669	1-249-441-11	CARBON	100K 5% 1/4W
				R670	1-249-441-11	CARBON	100K 5% 1/4W
				R671	1-249-441-11	CARBON	100K 5% 1/4W
				R672	1-249-441-11	CARBON	100K 5% 1/4W
				R673	1-249-441-11	CARBON	100K 5% 1/4W
				R674	1-249-441-11	CARBON	100K 5% 1/4W
				R675	1-249-429-11	CARBON	10K 5% 1/4W

PANEL

Ref.No.	Part No.	Description	Remark
R676	1-249-441-11	CARBON 100K 5% 1/4W	
R677	1-249-429-11	CARBON 10K 5% 1/4W	
< SWITCH >			
S601	1-554-303-21	SWITCH, TACTILE (EDIT)	
S602	1-554-303-21	SWITCH, TACTILE (CHECK)	
S603	1-554-303-21	SWITCH, TACTILE (CLEAR)	
S604	1-554-303-21	SWITCH, TACTILE (▶▶)	
S605	1-554-303-21	SWITCH, TACTILE (TIME)	
S606	1-554-303-21	SWITCH, TACTILE (REPEAT)	
S607	1-554-303-21	SWITCH, TACTILE (PLAY MODE)	
S608	1-554-303-21	SWITCH, TACTILE (▷□)	
S609	1-554-303-21	SWITCH, TACTILE (□)	
S610	1-554-303-21	SWITCH, TACTILE (OPEN/CLOSE)	
S611	1-554-303-21	SWITCH, TACTILE (◀◀)	
S612	1-467-938-11	ENCODER, ROTARY (◀◀ AMS ▶▶)	
< VIBRATOR >			
X601	1-579-233-11	VIBRATOR, CERAMIC (5MHz)	

MISCELLANEOUS			

6	1-769-620-11	WIRE (FLAT TYPE) (25 CORE)	
8	1-769-621-11	WIRE (FLAT TYPE) (19 CORE)	
303	1-452-719-11	MAGNET ASSY	
△355	8-848-367-11	DEVICE, OPTICAL KSS-213B/K-N	
356	1-769-069-11	WIRE (FLAT TYPE) (16 CORE)	
M101	X-4917-523-4	MOTOR ASSY (SPINDLE)	
M102	X-4917-504-1	MOTOR ASSY (SLED)	
M903	A-4604-363-A	MOTOR (L) ASSY (LOADING)	
Q102	8-729-900-80	TRANSISTOR DTC114ES	
Q103	8-729-209-15	TRANSISTOR 2SD2012	

HARDWARE LIST			

#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
#3	7-621-255-15	SCREW +P 2X3	

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

CDP-EX10

SONY

SERVICE MANUAL

*AEP Model
UK Model
E Model
Australian Model
Tourist Model*

SUPPLEMENT-1


File this supplement with the service manual.

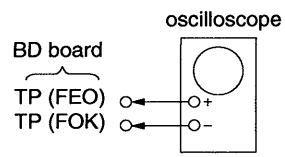
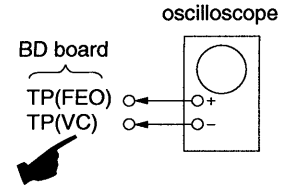

**Subject : 1. CORRECTION
2. S CURVE CHECK SPECIFICATION CHANGED
3. PARTS CHANGED & PARTS SUPPLY
CLASSIFICATION CHANGED**

(SPM-96036)

1. CORRECTION


- Correct your service manual as shown below.

 : indicates corrected portion.

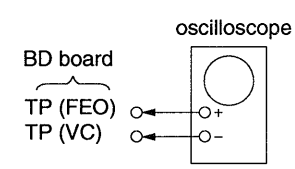
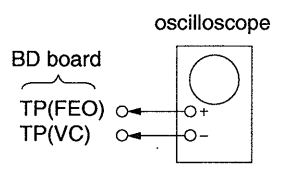
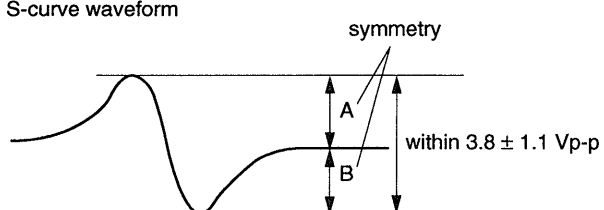
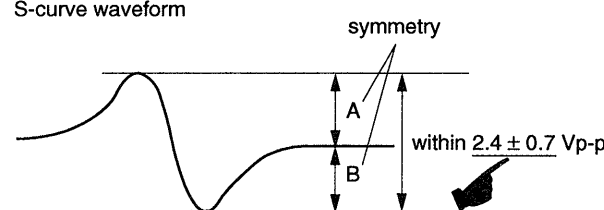
Page	INCORRECT	CORRECT
4	S Curve Check  <p>BD board TP (FEO) → ○+ TP (FOK) → ○-</p> <p>oscilloscope</p>	S Curve Check  <p>BD board TP(FEO) → ○+ TP(VC) → ○-</p> <p>oscilloscope</p> <p></p>

2. S CURVE CHECK SPECIFICATION CHANGED

The value of mounted parts of the BD board has changed due to improvements. Following this change, the S Curve check values have also changed as follows.

 : indicates changed portion

Ref No.	FORMER					NEW				
	Part No.	Description	Remark			Part No.	Description	Remark		
	*** BD BOARD, COMPLETE ***					*** BD BOARD, COMPLETE ***				
C116	1-163-143-00	CERAMIC CHIP	0.0012 μ F	5%	50V	1-163-016-00	CERAMIC CHIP	0.0039 μ F	10%	50V
C118	1-163-038-91	CERAMIC CHIP	0.1 μ F		25V	1-107-823-11	CERAMIC CHIP	0.47 μ F	10%	16V
R105	1-216-089-00	METAL CHIP	47K	5%	1/10W	1-216-093-00	METAL CHIP	68K	5%	1/10W
R106	1-216-089-00	METAL CHIP	47K	5%	1/10W	1-216-093-00	METAL CHIP	68K	5%	1/10W
R107	1-216-089-00	METAL CHIP	47K	5%	1/10W	1-216-093-00	METAL CHIP	68K	5%	1/10W
R108	1-216-089-00	METAL CHIP	47K	5%	1/10W	1-216-093-00	METAL CHIP	68K	5%	1/10W
R112	1-216-077-00	METAL CHIP	15K	5%	1/10W	1-216-083-00	METAL CHIP	27K	5%	1/10W
R113	1-216-077-00	METAL CHIP	15K	5%	1/10W	1-216-083-00	METAL CHIP	27K	5%	1/10W
R117	1-216-093-00	METAL CHIP	68K	5%	1/10W	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R119	1-216-121-00	METAL CHIP	1M	5%	1/10W	1-216-089-91	METAL CHIP	47K	5%	1/10W
R153	1-216-089-00	METAL CHIP	47K	5%	1/10W	1-216-082-00	METAL CHIP	24K	5%	1/10W
R156	1-216-081-00	METAL CHIP	22K	5%	1/10W	1-216-085-00	METAL CHIP	33K	5%	1/10W

S Curve Check — Page 4 —	S Curve Check — Page 4 —
	
<p>Procedure :</p> <ol style="list-style-type: none"> 1. Connect oscilloscope to test point TP (FEO). 2. Connect between test point TP (FOK) and GND by lead wire. 3. Turn Power switch on. 4. Put disc (YEDS-18) in and turned Power switch on again and actuate the focus search. (actuate the focus search when disc table is moving in and out.) 5. Check the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within 3.8 ± 1.1 Vp-p. 	<p>Procedure :</p> <ol style="list-style-type: none"> 1. Connect oscilloscope to test point TP (FEO). 2. Connect between test point TP (FOK) and GND by lead wire. 3. Turn Power switch on. 4. Put disc (YEDS-18) in and turned Power switch on again and actuate the focus search. (actuate the focus search when disc table is moving in and out.) 5. Check the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within 2.4 ± 0.7 Vp-p.
<p>S-curve waveform</p> 	<p>S-curve waveform</p> 
<ol style="list-style-type: none"> 6. After check, remove the lead wire connected in step 2. <p>Note :</p> <ul style="list-style-type: none"> • Try to measure several times to make sure than the ratio of A : B or B : A is more than 10 : 7. • Take sweep time as long as possible and light up the brightness to obtain best waveform. 	<ol style="list-style-type: none"> 6. After check, remove the lead wire connected in step 2. <p>Note :</p> <ul style="list-style-type: none"> • Try to measure several times to make sure than the ratio of A : B or B : A is more than 10 : 7. • Take sweep time as long as possible and light up the brightness to obtain best waveform.

3. PARTS CHANGED & PARTS SUPPLY CLASSIFICATION CHANGED

- Revise your service manual as shown below due to parts supply classification has been changed.
- ☛ : indicates changed portion.

Page	CURRENT				REVISED			
20	Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	*** EXPLODED VIEWS ***				*** EXPLODED VIEWS ***			
	* 10	3-309-144-21	HEAT SINK				Not supplied	
	* 11	4-870-539-00	PLATE, GROUND		* 11	4-870-539-11	PLATE, GROUND	
			not supplied		17	4-962-708-01	EMBLEM (4-A), SONY	
			not supplied		18	4-970-933-01	KNOB (JOG)	
			not supplied		19	4-972-656-01	FOOT (ORNAMENT)	

CDP-EX10


SONY SERVICE MANUAL

*AEP Model
UK Model
E Model
Australian Model
Tourist Model*

CORRECTION-1

Correct your service manual as shown below.

 : indicates corrected portion.

Page	INCORRECT			CORRECT	
	<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Description</u>
20	3	4-970-932-01	PLATE (ST/CD), ORNAMENTAL	4-970-932-11 	PLATE (ST/CD), ORNAMENTAL

(ECN-TC500170)