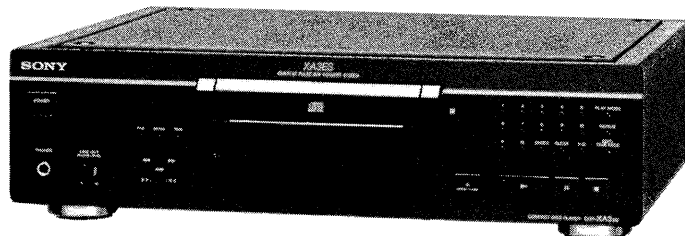


CDP-XA3ES

SERVICE MANUAL

*US Model
Canadian Model
AEP Model
E Model
Australian Model*



Model Name Using Similar Mechanism	CDP-333ESJ
CD Mechanism Type	CDM19E2-5BD10B
Base Unit Type	BU-5BD10B
Optical Pick-up Type	KSS-240A

SPECIFICATIONS

Compact disc player

Laser	Semiconductor laser
Wavelength	780 – 790 nm
Frequency response	2 Hz to 20 kHz $\pm$ 0.3 dB
Dynamic range	More than 100 dB
Harmonic distortion	Less than 0.0018%

CDP-XA3ES

	Jack type	Maximum output level	Load impedance
LINE OUT (FIXED)	Phono jacks	2 V (at 50 kilohms)	Over 10 kilohms
LINE OUT (VARIABLE)	Phono jacks	2 V (at 50 kilohms)	Over 50 kilohms
DIGITAL OUT (OPTICAL)	Optical output connector	-18 dBm	Wave length: 660 nm
PHONES	Stereo phone jack	28 mW	32 ohms

General

Power requirements

Where purchased	Power requirements
Europe	220 V – 230 V AC, 50/60 Hz
U.S.A., Canada	120 V AC, 60 Hz
Australia	240 V AC, 50 Hz
Other countries	110 V – 120 V or 220 V – 240 V AC, adjustable, 50/60 Hz

Power consumption	CDP-XA3ES: 17 W (for Europe and Australia) 19 W (for U.S.A. and Canada)
-------------------	--

Dimensions (approx.) (w/h/d)	CDP-XA3ES: 430 $\times$ 125 $\times$ 345 mm (17 $\times$ 5 $\times$ 13 5/8 in.) incl. projecting parts
------------------------------	--

Mass (approx.)	CDP-XA3ES: 6.6 kg (14 lbs 9 oz)
----------------	---------------------------------

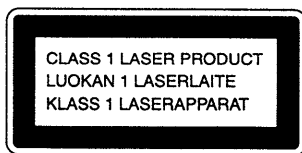
Supplied accessories

- Audio cord (2 phono plugs – 2 phono plugs) (1)
- Remote commander (remote) (1)
- Sony SUM-3 (NS) batteries (2)

Design and specifications are subject to change without notice.

COMPACT DISC PLAYER
SONY®





This appliance is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

The following caution label is located inside the unit.

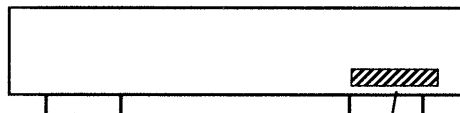
CAUTION	: INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM
ADVARSEL	: USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION UNDGÅ UDSÆTTELSE FOR STRÅLING
VARO!	: AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALITTIINA LASERSÄTEILYLLE
VARNING	: LASERSTRÅLING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URSLUTAD
ADVARSEL	: USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES UNNGÅ EKSPONERING FOR STRÅLEN

CAUTION

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

MODEL IDENTIFICATION

— BACK PANEL —



- US Model : 4-969-468-1□
- AEP Model : 4-969-468-2□
- E Model : 4-969-468-3□
- Australian Model : 4-969-468-4□
- Canadian Model : 4-969-468-5□
- German Model : 4-969-468-6□

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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ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

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

SAFETY CHECK-OUT

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

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

LEAKAGE

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

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

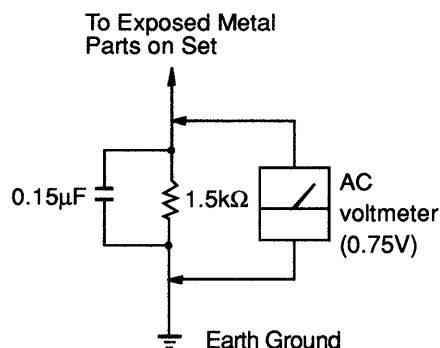


Fig. A. Using an AC voltmeter to check AC leakage.

SECTION 1 SERVICING NOTE

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

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

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

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

NOTES ON LASER DIODE EMISSION CHECK

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

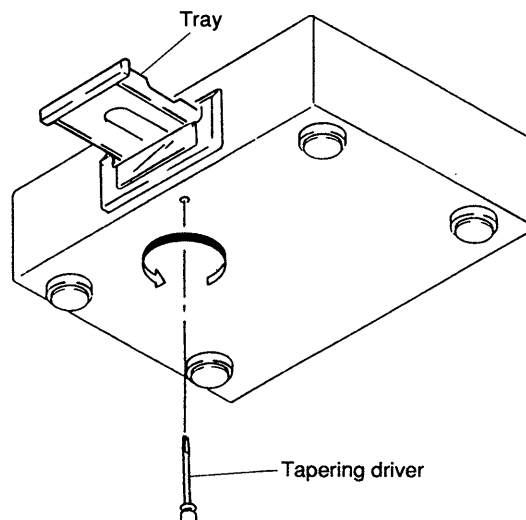
LASER DIODE AND FOCUS SEARCH OPERATION CHECK

Carry out the "S curve check" in "CD section adjustment" and check that the S curve waveform is output three times.

HOW TO OPEN THE DISC TRAY WHEN POWER SWITCH TURNS OFF

Insert a tapering driver into the aperture of the unit bottom, and turn in the direction of arrow.

* To close the disc tray, turn the driver in the reverse direction.

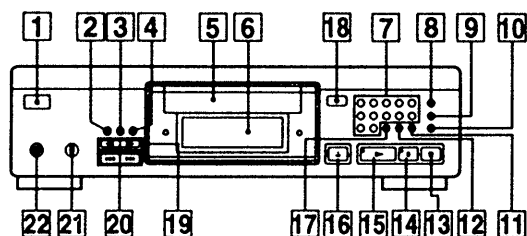


SECTION 2

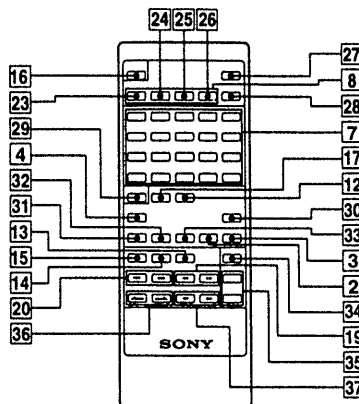
GENERAL

Identifying the Parts

Front Panel



Remote Commander (RM-D921)

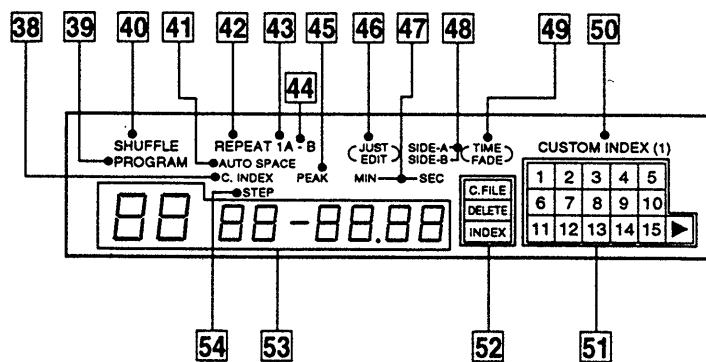


- 1 Power switch
- 2 FILE button
- 3 ERASE button
- 4 TIME button
- 5 Disc tray
- 6 Display window
- 7 Numeric buttons
- 8 PLAY MODE button
- 9 REPEAT button
- 10 EDIT/TIME FADE button
- 11 >12 (over 12) button
- 12 CLEAR button
- 13 ■ (stop) button
- 14 || (pause) button
- 15 ► (play) button
- 16 △ OPEN/CLOSE button
- 17 CHECK button
- 18 Remote sensor
- 19 ◀▶ (manual search) buttons
- 20 ◀◀▶▶ AMS* buttons

- 21 LINE OUT/PHONE LEVEL control
- 22 PHONES jack
- 23 CONTINUE button
- 24 SHUFFLE button
- 25 PROGRAM button
- 26 C. INDEX button
- 27 DISPLAY MODE button
- 28 MUSIC SCAN button
- 29 >20 (over 20) button
- 30 PEAK SEARCH button
- 31 REPEAT (repeat/A-B repeat clear) button
- 32 A ↔ B repeat button
- 33 AUTO SPACE button
- 34 FADER (fade in/fade out) button
- 35 LINE OUT LEVEL (line out/headphones level) buttons
- 36 ◀ ▶ INDEX buttons
- 37 ◀◀▶▶ SLOW (low speed manual search) buttons

* AMS is the abbreviation of Automatic Music Sensor.

Display Window



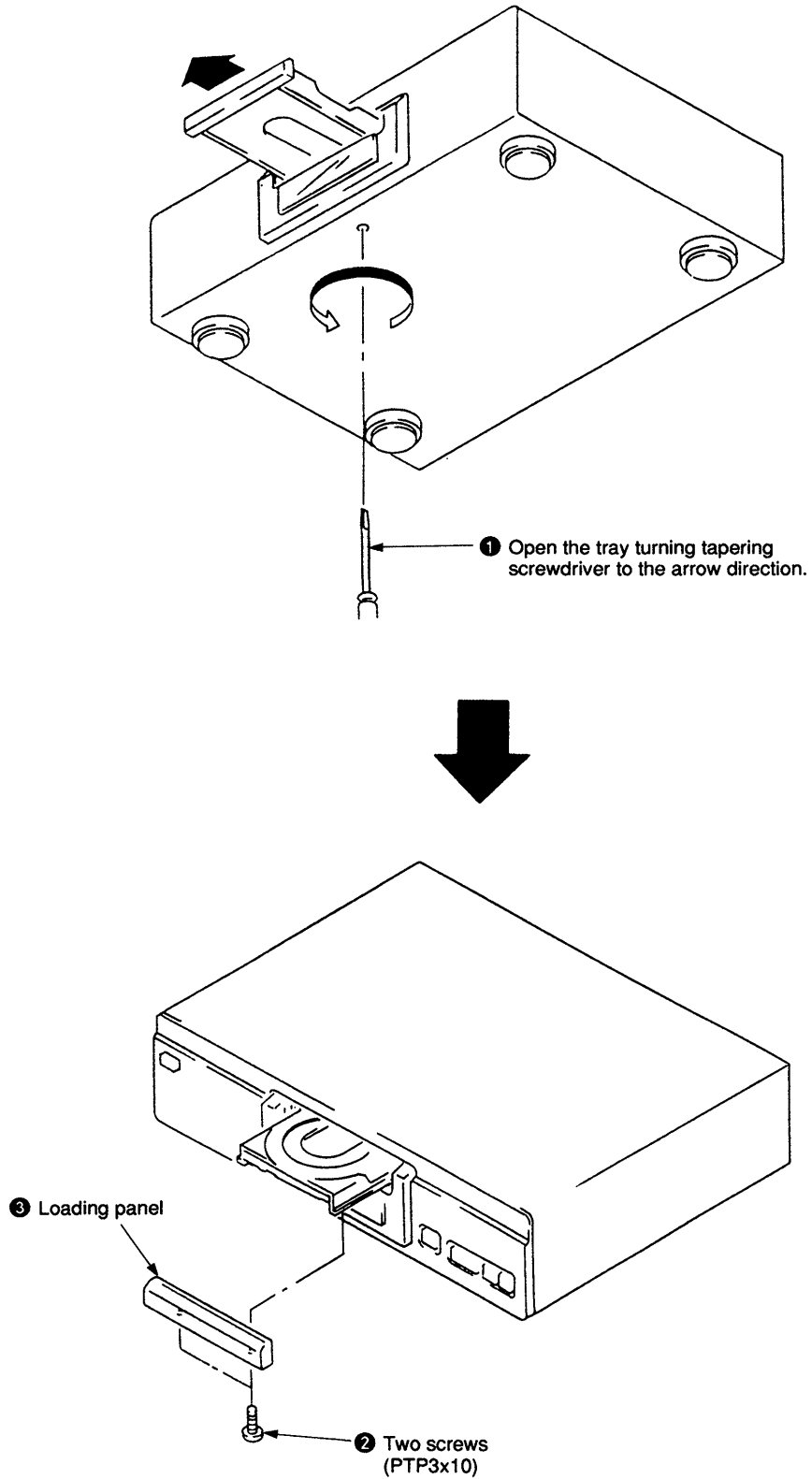
- 38 C. INDEX
- 39 PROGRAM
- 40 SHUFFLE
- 41 AUTO SPACE
- 42 REPEAT
- 43 REPEAT 1
- 44 REPEAT A-B
- 45 PEAK
- 46 JUST EDIT
- 47 MIN/SEC
- 48 SIDE A/SIDE B
- 49 TIME FADE
- 50 CUSTOM INDEX (1)
- 51 1 — 15 ►
- 52 C FILE/DELETE/INDEX
- 53 DISPLAY
- 54 STEP

SECTION 3

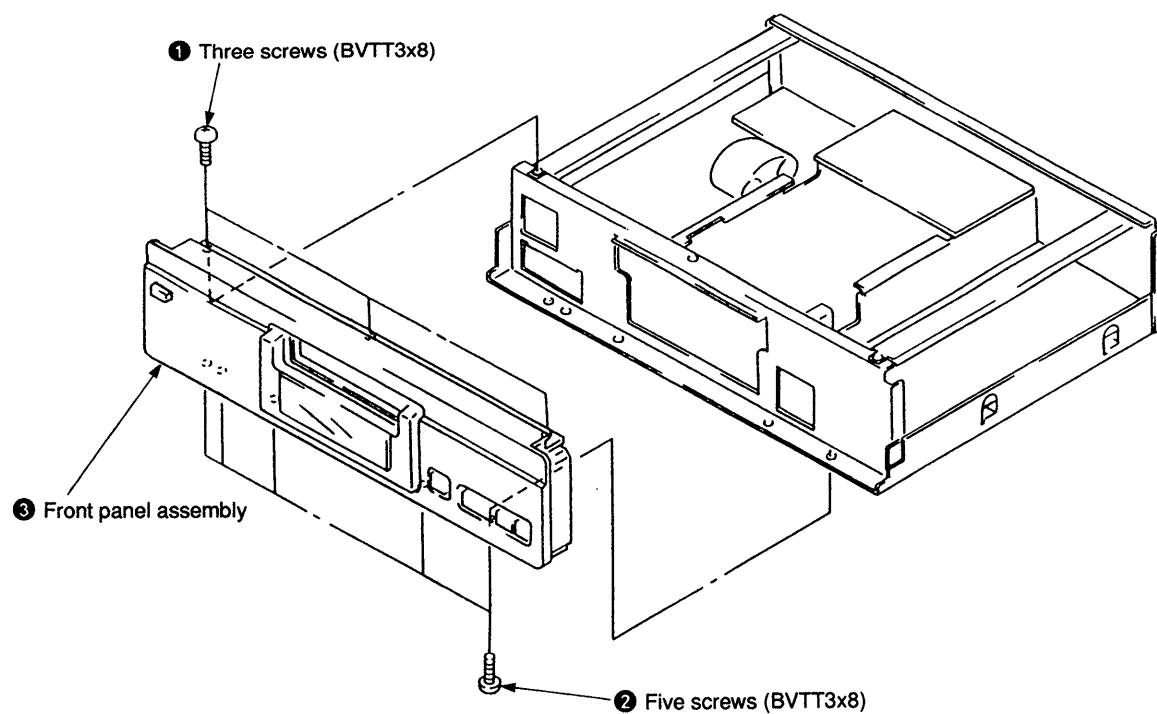
DISASSEMBLY

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

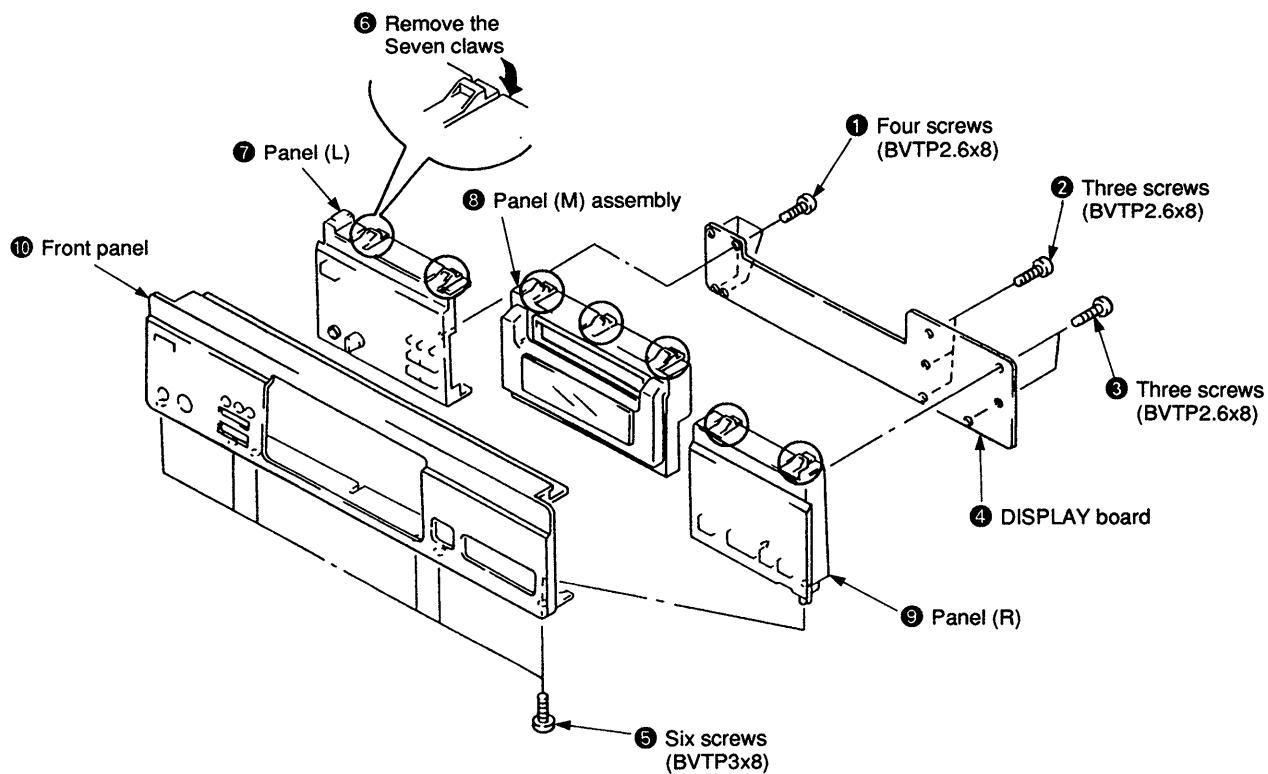
3-1. LOADING PANEL



3-2. FRONT PANEL ASSEMBLY



3-3. PANEL (L), (M), (R)



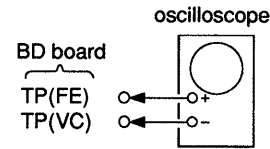
SECTION 4

ELECTRICAL ADJUSTMENTS

Note :

1. CD Block basically constructed 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 an object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

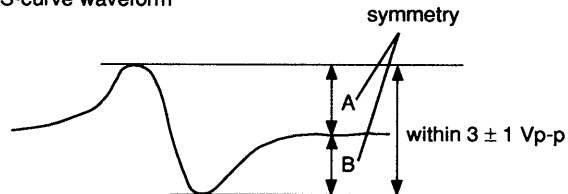
S Curve Check



Procedure :

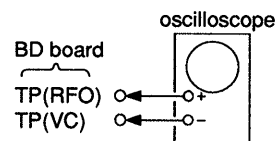
1. Connect oscilloscope to test point TP (FE).
2. Connect between test point TP (FEI : IC101 ②9 pin) and TP (VC) by lead wire.
3. Turned Power switch on.
4. Put disc (YEDS-18) in and turned Power switch on again and actuate the focus search. (actuate the focus search when disc table is moving in and out.)
5. Check the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within 3 ± 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 that 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 :

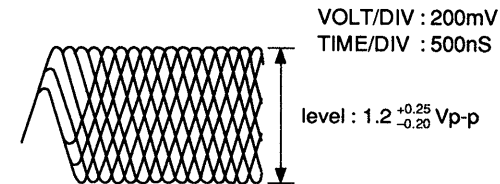
1. Connect oscilloscope to test point TP (RFO).
2. Turned Power switch on.

3. Put disc (YEDS-18) in and playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

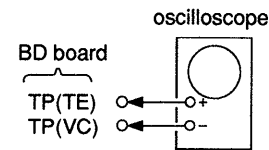
Note :

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

RF signal waveform



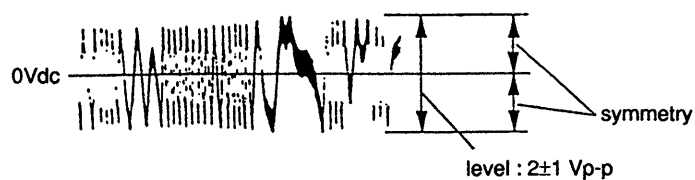
E-F Balance (Traverse) Check



Procedure :

1. Connect test point TP (ADJ) on MAIN board to ground and TP (TEI : IC101 ②7 pin) on BD board to TP (VC) with lead wire.
2. Connect oscilloscope to test point TP (TE).
3. Turned Power switch on.
4. Put disc (YEDS-18) in and playback.
5. Confirm that the oscilloscope waveform is symmetrical on the top and bottom in relation to 0V dc, and check this level.

Traverse waveform



6. Remove the lead wire connected in step 1.

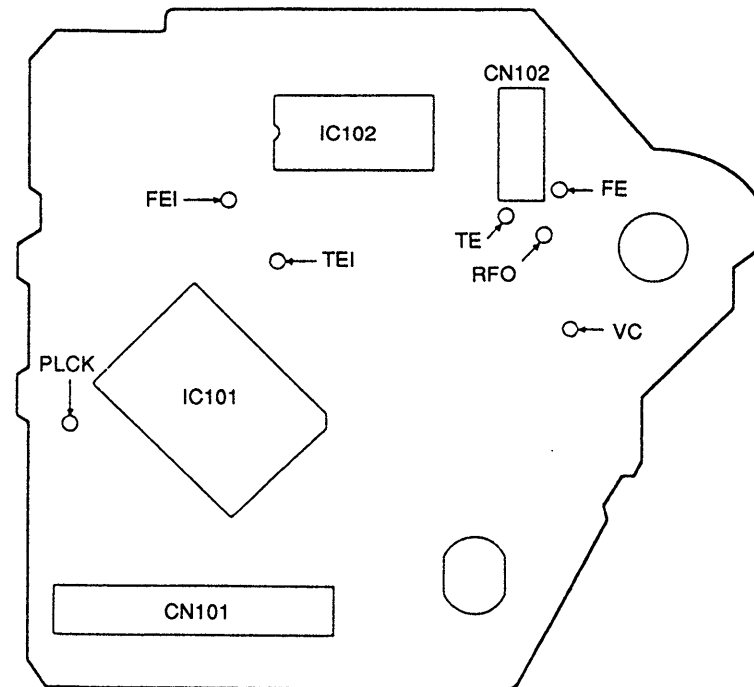
RF PLL Free-run Frequency Check

Procedure :

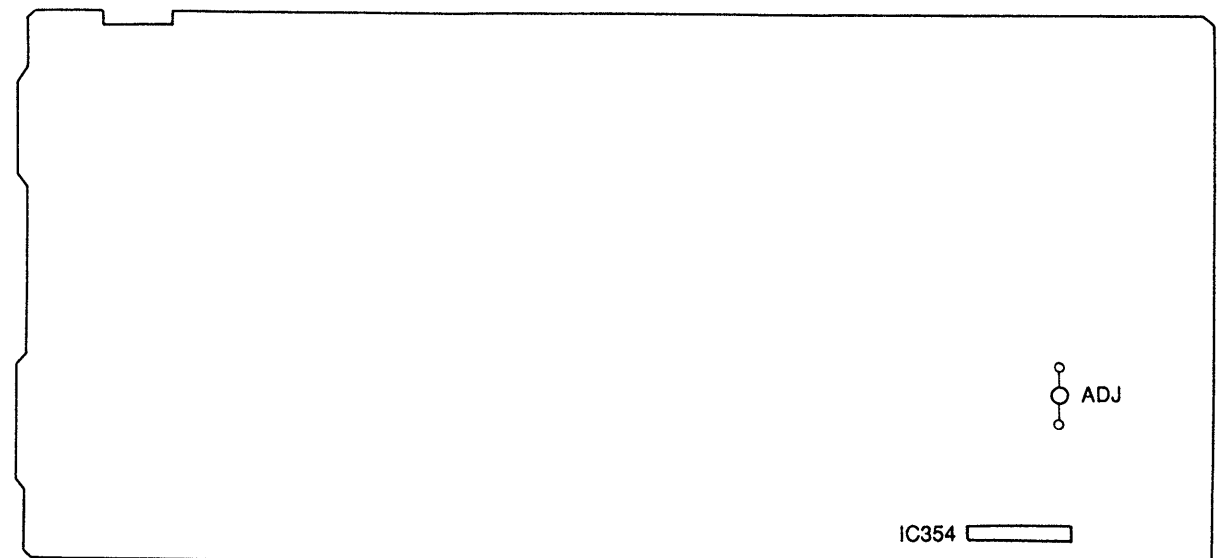
1. Connect frequency counter to test point (PLCK) with lead wire.
- The diagram shows a BD board with test point TP(PLCK) connected to a frequency counter.
2. Turned Power switch on.
 3. Confirm that reading on frequency counter is 4.3218MHz.

Adjustment Location :

[BD BOARD] — Conductor Side —



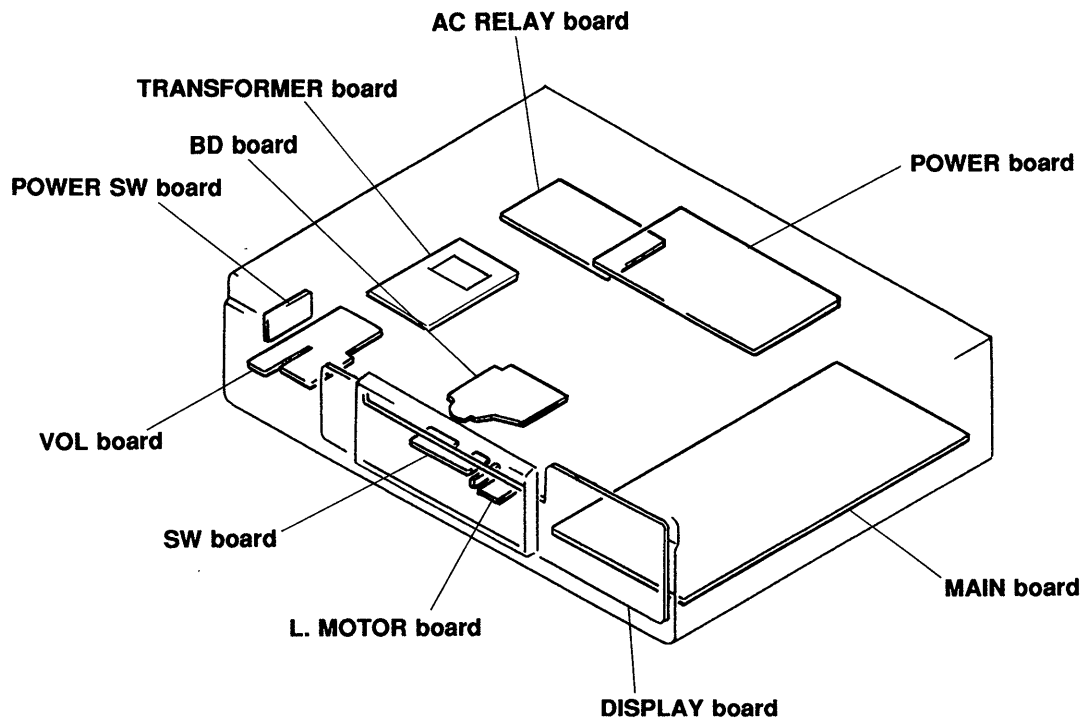
[MAIN BOARD] — Component Side —

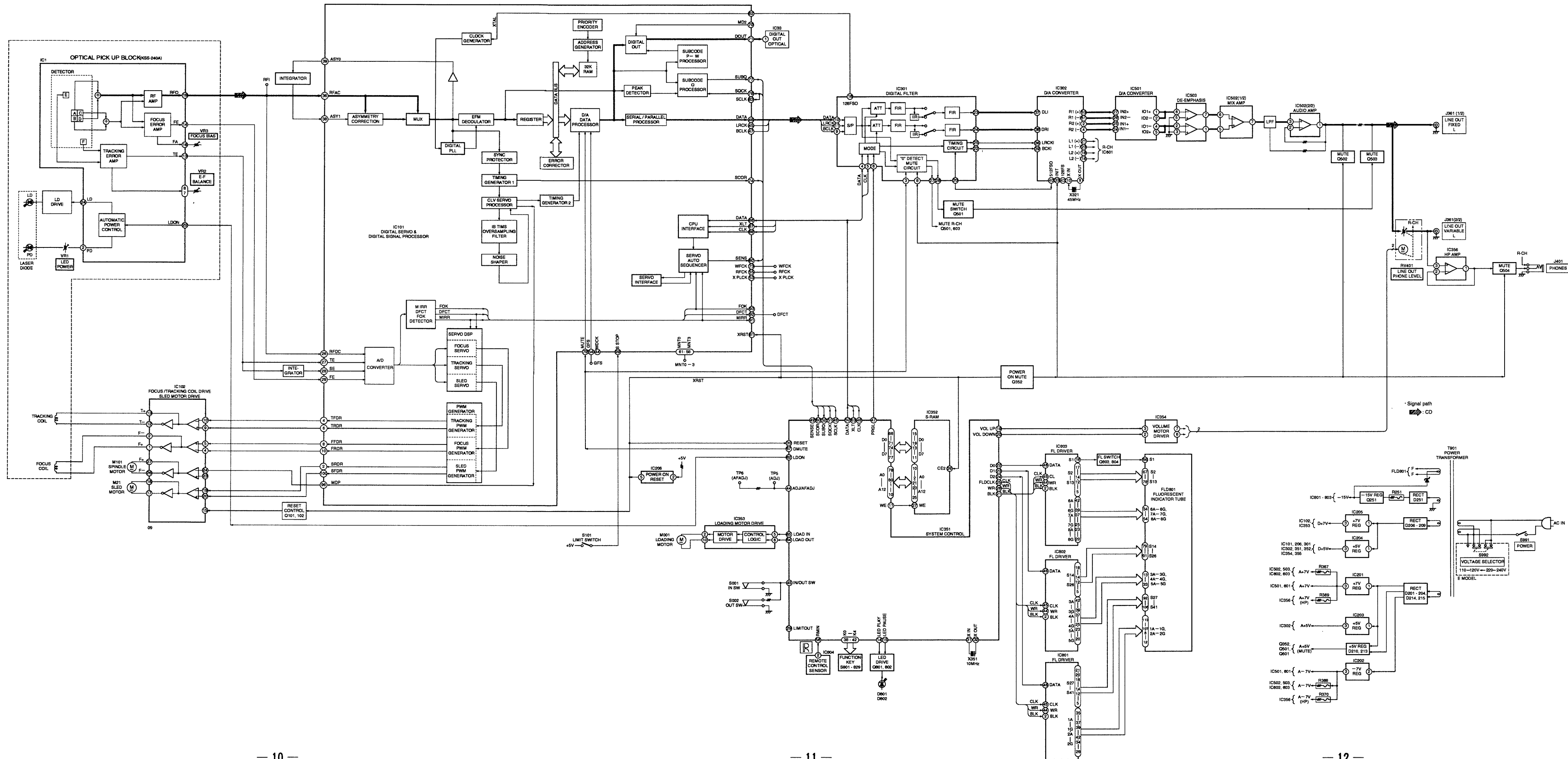


SECTION 5

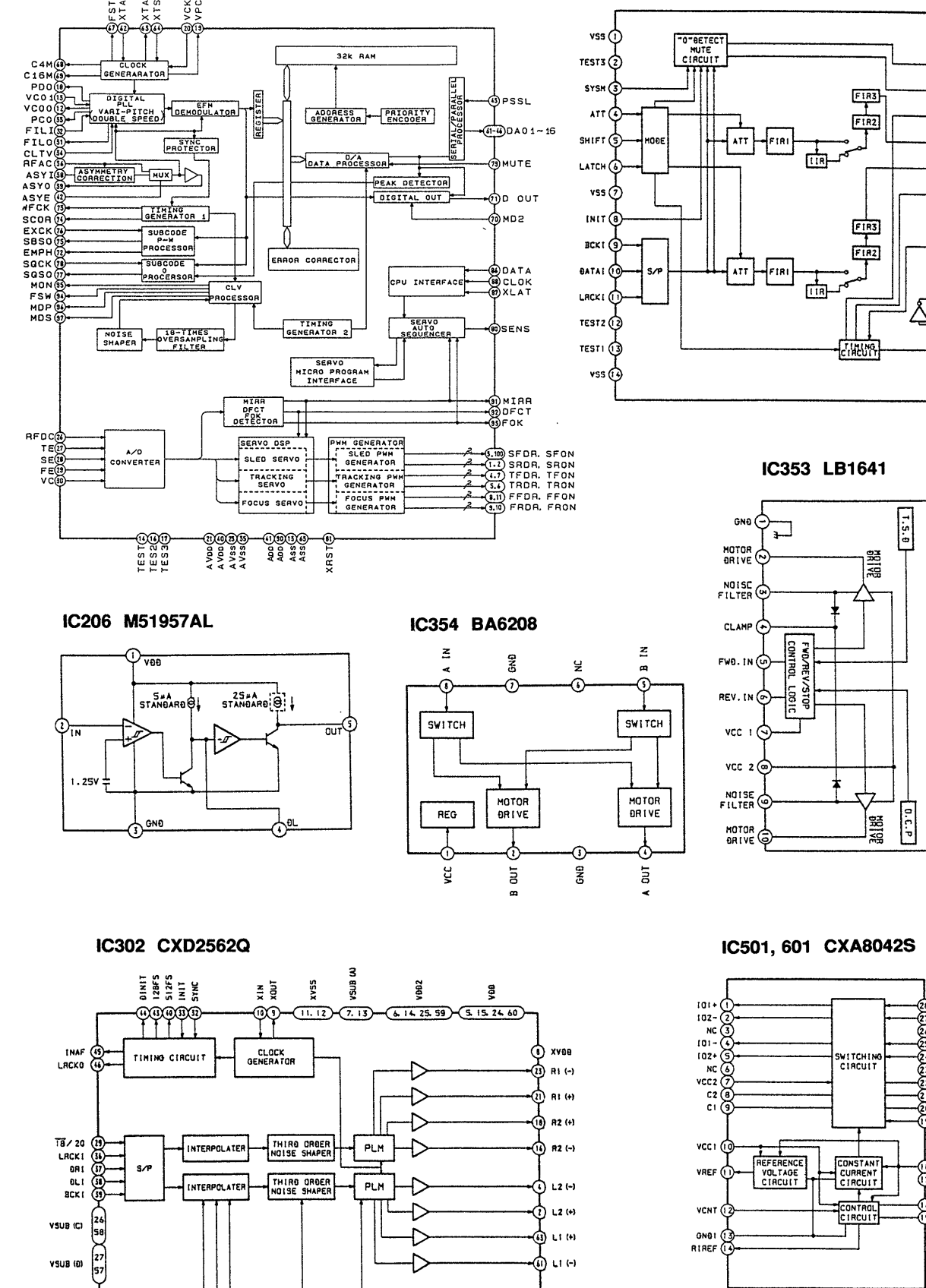
DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION





IC101 CXD2515Q



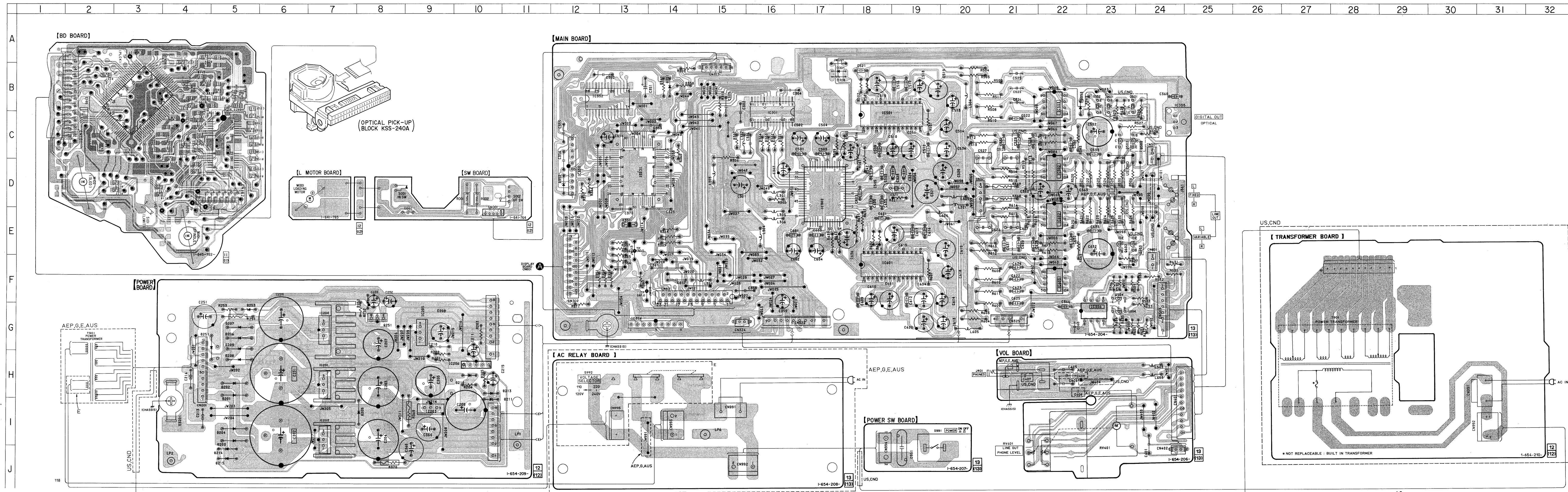
5-4. PRINTED WIRING BOARD — MAIN SECTION —
• See page 9 for Circuit Boards Location.

• Semiconductor Location

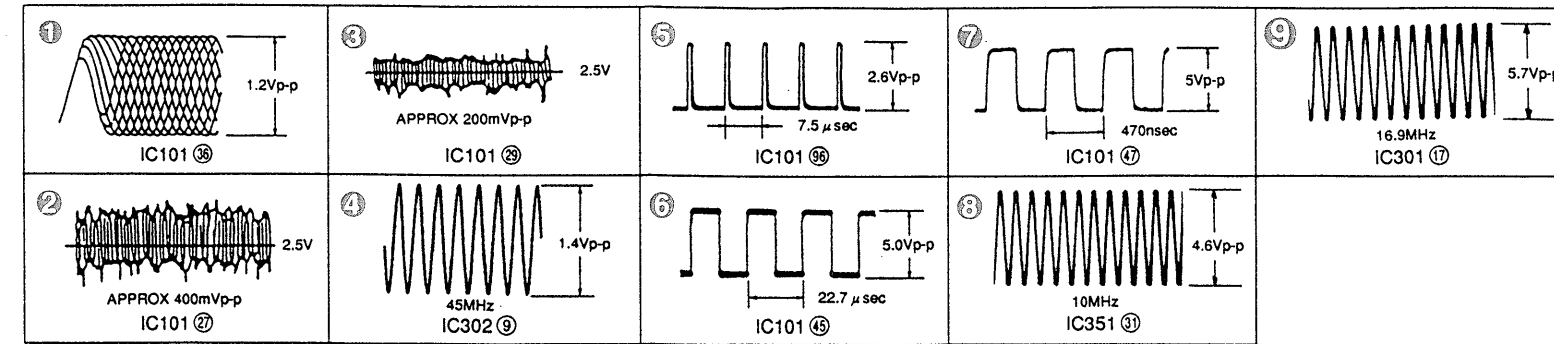
Ref. No.	Location
D201	H-5
D202	H-5
D203	I-5
D204	I-5
D205	I-8
D206	G-5
D207	G-5
D208	H-5
D209	G-5
D210	H-10
D211	I-10
D214	J-5
D215	J-5
D251	G-5
D252	G-8
D253	G-5
D301	B-17
D351	B-14
D352	D-12
D353	B-22
IC101	B-3
IC102	C-5
IC201	H-7
IC202	I-7
IC203	I-9
IC204	G-7
IC205	G-9
IC206	H-10
IC301	C-16
IC302	D-17
IC351	D-13
IC352	B-13
IC353	D-12
IC354	G-14
IC355	C-24
IC356	G-23
IC501	C-18
IC502	D-22
IC503	B-22
IC601	F-18
IC602	E-22
IC603	F-22
Q251	G-8
Q352	B-23
Q501	B-23
Q502	C-23
Q503	C-23
Q504	F-23
Q601	B-23
Q602	E-23
Q603	E-23
Q604	G-23

Note:

- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : Through hole.
- ▨ : Pattern on the side which is seen.
- ▩ : Pattern of the rear side.
- Abbreviation
- CND : Canadian model.
- G : German model.
- AUS : Australian model.



• Waveforms



Note:

- All capacitors are in μF unless otherwise noted. $\text{pF} = \mu\text{F} \times 10^{-6}$
- 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- Δ : internal component.
- $\square$: fusible resistor.

Note:

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

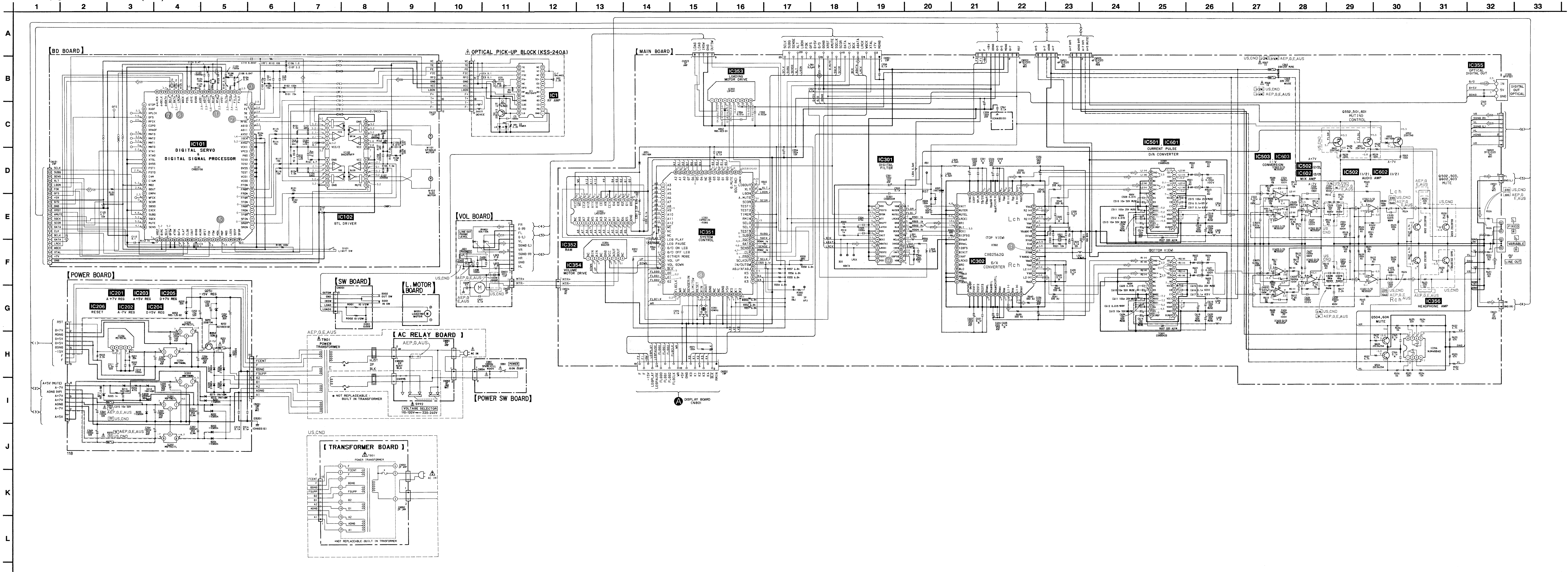
Note:

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

- --- : B+ Line
- ----- : B- Line
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- () : PLAY
- () : LOADING (OUT)
- () : LOADING (IN)
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- $\Rightarrow$: CD
- $\Rightarrow$: digital out
- Abbreviation
- CND : Canadian model.
- G : German model.
- AUS : Australian model.

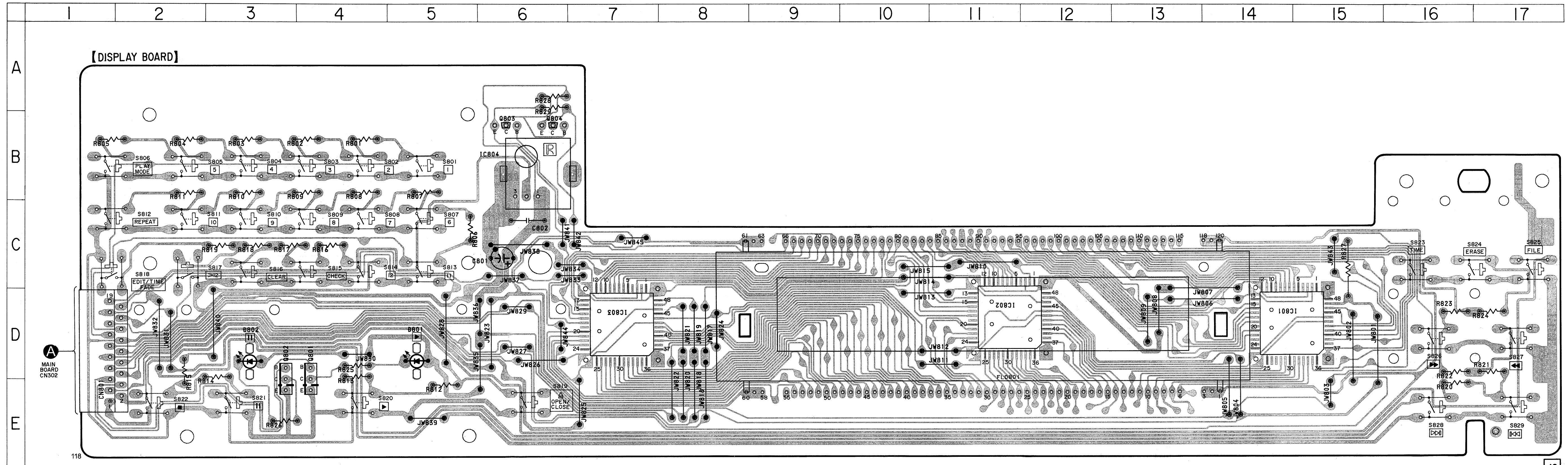
5-5. SCHEMATIC DIAGRAM — MAIN SECTION —

- See page 13 for IC Block Diagrams.
- See page 32 for IC Pin Function. (IC351)



Note:

- — : parts extracted from the component side.
- ▨ : Pattern on the side which is seen.



- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
- =====: B+ Line
- =====: B- Line
- Voltages 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.

【DISPLAY BOARD】

5-8. IC PIN FUNCTION

• IC351 System Control (CXP84124-025Q)

Pin No.	Pin Name	I/O	Function
1	A3	O	Output of address to S.RAM (LH5160TF)
2	A4	O	
3	A5	O	
4	A6	O	
5	A7	O	
6	A8	O	
7	A9	O	
8	A10	O	
9	A11	O	
10	A12	O	
11	$\overline{WE}$	O	Output of write enable to S.RAM
12	—	—	Not used (open)
13	—	—	
14	LED-PLAY	O	PLAY Lamp output "H": ON
15	LED-PAUSE	O	PAUSE Lamp output "H": ON
16	LED-D/O ON	O	Not used (open)
17	D/O OFF LED	O	
18	DITHER MODE	I	D/F DITHER mode control input
19	VOL UP	O	Headphone motor volume up output
20	VOL DOWN	O	Headphone motor volume down output
21	$\overline{BLK}$	O	Blank output to fluorescent indicator tube driver. (LC7570E). When the indicator tube lights: "H"
22	D0	O	Serial data output to fluorescent indicator tube driver. (LC7570E).
23	D1	O	
24	D2	O	
25	FLD CLK	O	Clock output to fluorescent indicator tube driver. (LC7570E).
26	WR	O	Latch output to fluorescent indicator tube driver. (LC7570E).
27	NC	O	Not used (open)
28	SENSE IN	I	Stabilizer detection input (Connected to GND)
29	LIMIT SW	I	Sled out switch input "L": SW ON (Connected to GND)
30	RESET	I	Microcomputer reset input
31	X IN	I	Oscillator connector pin (10 MHz)
32	X OUT	O	
33	Vss	—	Connected to GND
34	—	—	Not used (open)
35	—	—	
36	GND	—	A/D converter GND
37	+5V	—	A/D converter reference voltage input (Connected to +5V)
38	K0	I	Key data input (A/D input). When the key is not pressed: "H"
39	K1	I	
40	K2	I	

Pin No.	Pin Name	I/O	Function
41	K3	I	} Key data input (A/D input). When the key is not pressed: "H"
42	K4	I	
43	K5	I	
44	ADJ/AFADJ	I	Test mode input. The equipment is fixed at "H"
45	IN/OUT SW	I	Loading IN/OUT switch input
46	SCLK OUT	O	Serial read out data read out clock output to CXD2515Q
47	PRGL	O	Program latch to digital filter
48	CLK	O	Serial data transfer clock output to CXD2515Q, CXD8504M
49	SENSE	I	SENSE signal input from CXD2515Q
50	DATA	O	Serial data output to CXD2515Q, CXD8504M
51	SQCK	O	Sub code Q read out clock output to CXD2515Q
52	SUBQ	I	Sub code Q data input from CXD2515Q
53	TEST 3	O	Not used (open)
54	SEL 1	I	} Model distinction input
55	SEL 0	I	
56	RMIN	I	Remote control signal input
57	TIMER	I	Not used (Connected to +5V)
58	TEST 2	O	} Not used (open)
59	TEST 1	O	
60	SCOR	I	Sub code sync input from CXD2515Q. Start to read out the sub code receiving this signal
61	A.MUTE	O	Not used (open)
62	LDON	O	Laser diode ON/OFF control output "H": ON
63	XLT	O	Serial data latch output to CXD2515Q
64	LOD OUT	O	Output to rotate loading motor in the loading out direction. "H": OUT
65	LOD IN	O	Output to rotate loading motor in the loading in direction. "H": IN
66	DOUT (NC)	O	Not used (open)
67	D.MUTE	O	Muting control output. "H": MUTE ON
68	D0	I/O	} Input and output of data signal with S.RAM (LH5160TF)
69	D1	I/O	
70	D2	I/O	
71	D3	I/O	
72	VDD	I	Power supply terminal (+5V)
73	NC	—	Connected to +5V
74	D4	I/O	} Input and output of data signal with S.RAM (LH5160TF)
75	D5	I/O	
76	D6	I/O	
77	D7	I/O	
78	A0	O	} Address signal output to S.RAM (LH5160TF)
79	A1	O	
80	A2	O	

SECTION 6

EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Color Indication of Appearance Parts Example:
KNOB, BALANCE (WHITE) ... (RED)

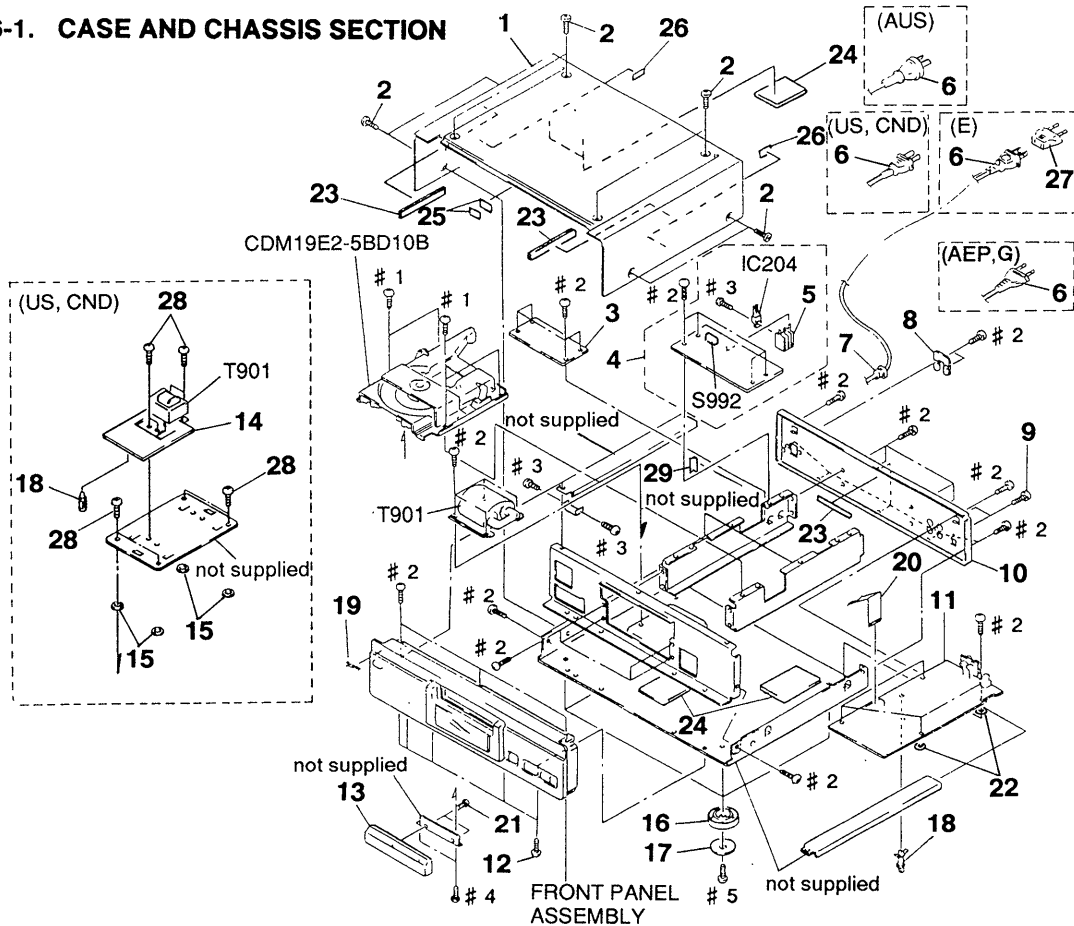
↑ ↑
Parts color Cabinet's color

- 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.
- Abbreviation
CND : Canadian model
G : German model
AUS : Australian model

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

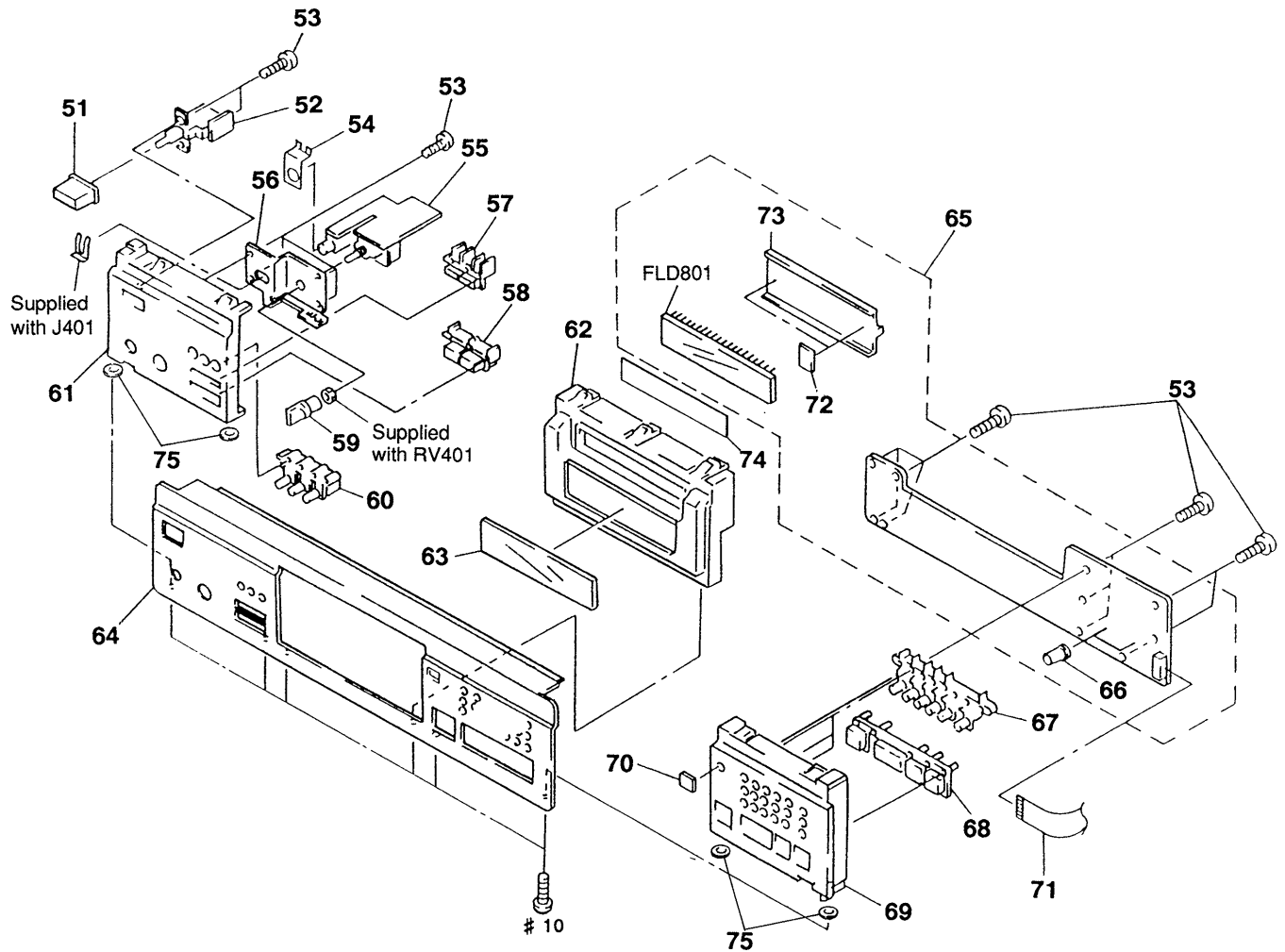
Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. CASE AND CHASSIS SECTION



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
1	4-969-469-01	CASE		* 14	1-654-210-11	TRANSFORMER BOARD (US, CND)	
2	3-704-366-01	SCREW (CASE) (M3X8)		15	4-949-302-81	WASHER	
* 3	1-654-208-11	AC RELAY BOARD (AEP, G, E, AUS)		16	4-970-123-01	FOOT (F50180S)	
* 4	A-4673-256-A	POWER BOARD, COMPLETE (US, CND)		17	4-970-124-01	CUSHION (F50180S)	
* 4	A-4673-531-A	POWER BOARD, COMPLETE (AEP, E, G, AUS)		* 18	3-670-570-31	SPACER, SUPPORT	
* 5	4-363-146-00	HEAT SINK, V. OUT		19	4-942-568-01	EMBLEM (NO. 5), SONY	
6	1-558-181-21	CORD, POWER (E)		20	1-696-998-11	WIRE (FLAT TYPE) (23 CORE)	
6	1-558-568-21	CORD, POWER (AEP, G)		21	4-951-620-01	SCREW (2. 6X8), +BVTP	
6	1-559-583-21	CORD, POWER (US, CND)		22	4-949-302-21	WASHER	
6	1-751-060-11	CORD, POWER (AUS)		23	4-959-077-01	DAMPER	
* 7	3-703-244-00	BUSHING (2104), CORD		* 24	4-962-329-01	DAMPER	
* 8	4-923-873-01	BRACKET, CORD STOPPER		* 25	4-615-354-01	SPACER	
9	3-704-515-21	SCREW (BV/RING)		26	9-911-844-XX	CUSHION	
* 10	4-969-468-11	PANEL, BACK (US)		27	1-569-007-11	ADAPTER, CONVERSION 2P (E)	
* 10	4-969-468-21	PANEL, BACK (AEP)		28	4-886-821-11	SCREW, S TIGHT, +PTTW 3X6	
* 10	4-969-468-31	PANEL, BACK (E)		29	3-846-312-01	SPACER	
* 10	4-969-468-41	PANEL, BACK (AUS)		IC204	8-759-231-53	IC TA7805S	
* 10	4-969-468-51	PANEL, BACK (CND)		S992	1-571-722-11	SWITCH, VOLTAGE SELECTION (VOLTAGE SELECTOR) (E)	
* 10	4-969-468-61	PANEL, BACK (G)		T901	1-427-810-11	TRANSFORMER, POWER (AEP, G, AUS)	
* 11	A-4673-251-A	MAIN BOARD, COMPLETE (US, CND)		T901	1-427-811-11	TRANSFORMER, POWER (E)	
* 11	A-4673-532-A	MAIN BOARD, COMPLETE (AEP, E, G, AUS)		T901	1-427-812-11	TRANSFORMER, POWER (US, CND)	
12	3-703-685-21	SCREW (+BV 3X8)					
13	4-969-477-01	PANEL, LOADING					

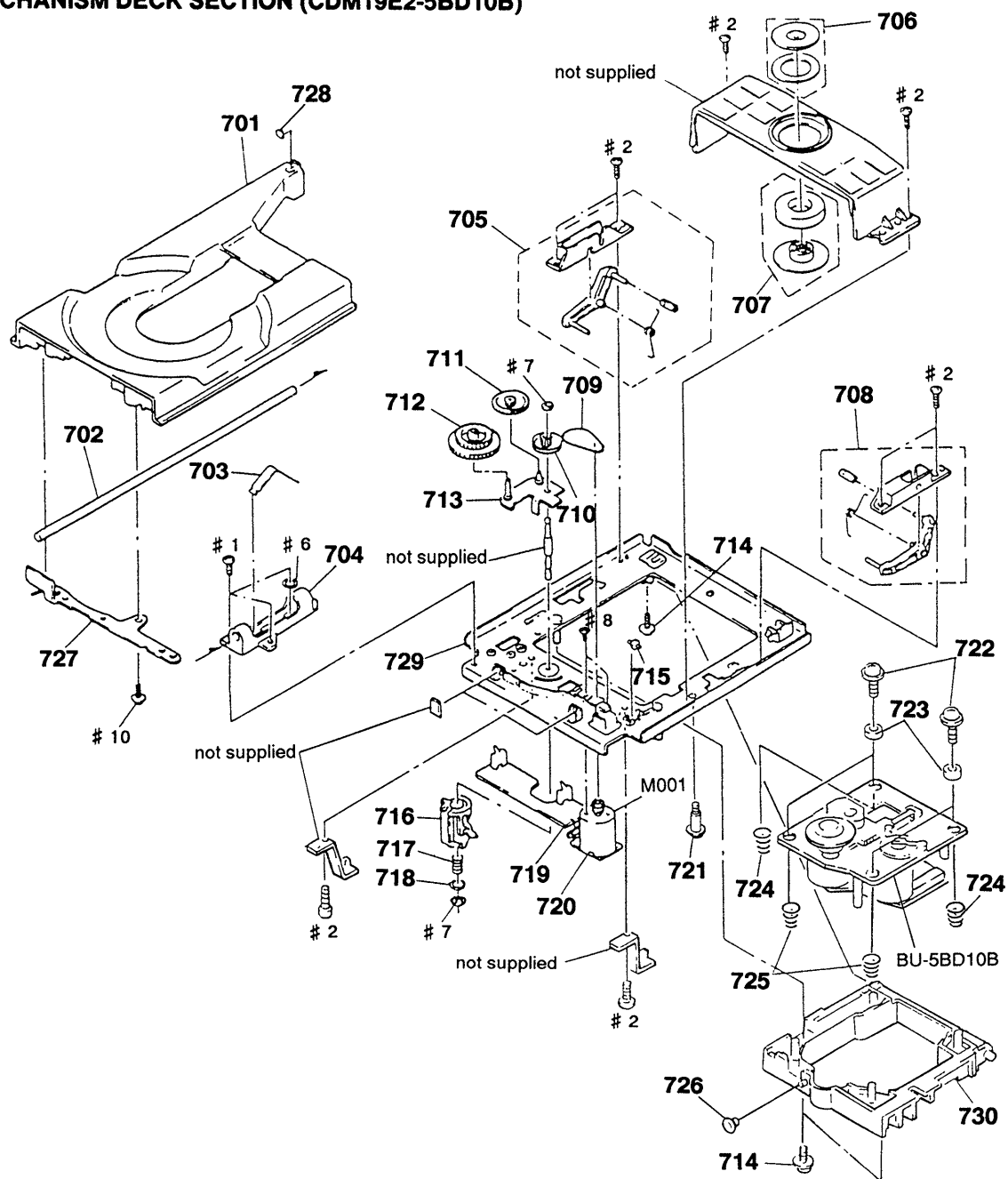
6-2. FRONT PANEL SECTION



Ref.No.	Part No.	Description
	51	4-923-520-51 KNOB, POWER
*	52	1-654-207-11 POWER SW BOARD
	53	4-951-620-01 SCREW (2. 6X8), +BVTP
*	54	4-962-201-01 PLATE (HP), GROUND
*	55	1-654-206-11 VOL BOARD
*	56	4-969-478-01 BRACKET (HP)
	57	4-970-528-01 BUTTON (F. R)
	58	4-969-562-01 BUTTON (AMS)
	59	4-950-189-01 KNOB (A) (VOL)
	60	4-970-527-01 BUTTON (TIME)
	61	4-969-470-01 PANEL (L)
	62	X-4945-277-1 PANEL (M) ASSY
	63	4-969-476-01 PLATE, INDICATION
	64	4-969-473-01 PANEL, FRONT (US, CND, E, AUS)

Ref.No.	Part No.	Description	Remark
	64	4-969-473-11 PANEL, FRONT (AEP, G)	
*	65	A-4673-252-A DISPLAY BOARD, COMPLETE	
*	66	3-362-478-01 HOLDER (T), LED	
	67	4-969-475-01 BUTTON (DIRECT)	
	68	X-4945-276-1 BUTTON (PLAY) ASSY	
	69	4-969-471-01 PANEL (R)	
	70	4-969-185-01 WINDOW (REMOTE CONTROL)	
	71	1-765-073-11 WIRE (FLAT TYPE) (19 CORE)	
*	72	4-971-241-01 CUSHION (FLT)	
*	73	4-969-510-01 HOLDER (FL)	
	74	4-969-834-01 FILTER	
	75	4-949-302-21 WASHER	
	FLD801	1-517-357-11 INDICATOR TUBE, FLUORESCENT	

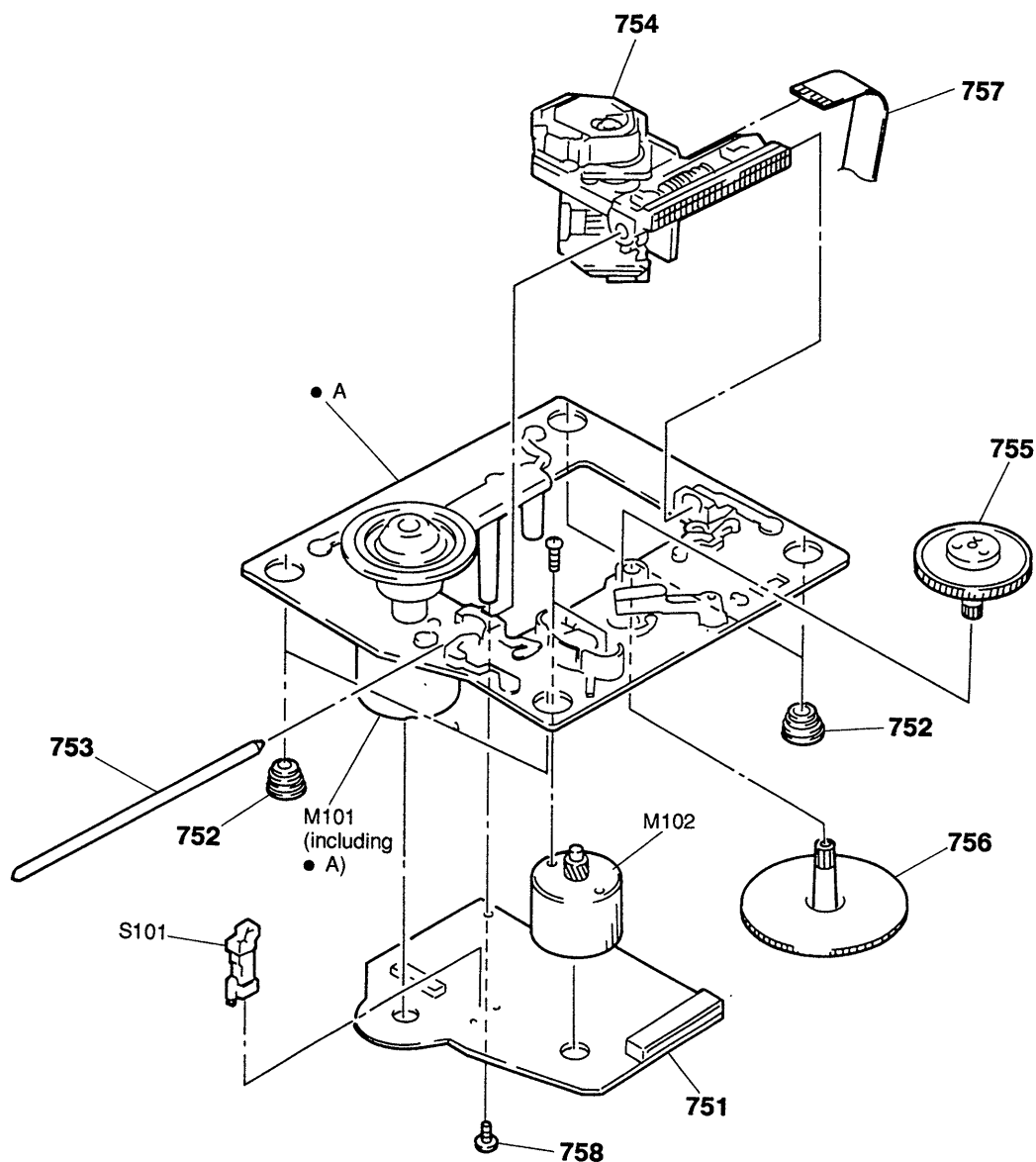
6-3. MECHANISM DECK SECTION (CDM19E2-5BD10B)



Ref. No.	Part No.	Description
701	4-948-353-01	TABLE, DISC
* 702	4-948-368-01	BAR (MAIN), GUIDE
* 703	4-927-648-01	SLIDER (GROUND)
* 704	4-948-360-01	BEARING, LOADING
705	A-4604-913-A	LOCK (L) ASSY, STABLE
706	A-4665-024-A	MAGNET ASSY
* 707	4-918-679-04	PULLEY, PRESS
708	A-4604-914-A	LOCK (R) ASSY, STABLE
709	4-927-649-01	BELT
710	4-929-724-01	PULLEY (B)
711	4-927-628-01	GEAR (C)
712	4-927-620-01	GEAR (P)
713	X-4927-608-1	ARM ASSY, SWING
* 714	4-917-583-21	BRACKET, YOKE
715	4-927-627-01	ROLLER (S,G)
* 716	4-948-371-01	CAM (BU)

Ref. No.	Part No.	Description	Remark
717	3-659-338-00	SPRING, COMPRESSION	
718	4-927-654-01	WASHER (LIMITER)	
* 719	1-641-764-11	SW BOARD	
* 720	1-641-765-11	L. MOTOR BOARD	
721	4-951-949-01	SCREW (TRANSPORT LOCK), STEP	
722	4-951-620-01	SCREW (2.6X8), +BVTP	
* 723	4-943-119-01	HOLDER (SP)	
724	4-917-541-01	SPRING (B)	
725	4-917-572-01	SPRING (B)	
726	4-927-631-01	ROLLER (L)	
* 727	4-948-370-01	BRACKET (LOADING PANEL)	
728	9-911-838-XX	RETAINER, CASSETTE	
* 729	4-948-355-05	CHASSIS (OUTSERT)	
* 730	X-4945-479-1	HOLDER (BU5) ASSY	
M001	A-4604-347-A	MOTOR (L) ASSY (LOADING MOTOR)	

6-4. BASE UNIT SECTION (BU-5BD10B)



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

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

Ref. No.	Part No.	Description
* 751	A-4649-432-A	BD BOARD, COMPLETE
752	4-951-940-01	INSULATOR (BU)
753	4-917-565-01	SHAFT, SLED
$\triangle$ 754	8-848-144-11	OPTICAL PICK-UP BLOCK KSS-240A
755	4-917-567-01	GEAR (M)
756	4-917-564-01	GEAR (P), FLATNESS

Remark	Ref. No.	Part No.	Description	Remark
	757	1-575-001-11	WIRE, FLAT TYPE (12 CORE)	
	758	4-951-620-01	SCREW (2.6X8), +BVTP	
	M101	X-4917-523-3	BASE (OUTSERT) ASSY (SPINDLE MOTOR)	
	M102	X-4917-504-1	MOTOR ASSY (SLED MOTOR)	
	S101	1-572-085-11	SWITCH, LEAF (LIMIT SW)	

SECTION 7

ELECTRICAL PARTS LIST

NOTE:

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

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

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.

• 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

• Abbreviation

CND : Canadian model

G : German model

AUS : Australian model

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	1-654-208-11	AC RELAY BOARD (AEP, G, E, AUS)		C160	1-163-019-00	CERAMIC CHIP 0.0068uF 10%	50V
	*****			C161	1-163-038-91	CERAMIC CHIP 0.1uF	25V
	< CONNECTOR >				< CONNECTOR >		
CN991	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P		* CN101	1-568-865-11	SOCKET, CONNECTOR 23P	
		(AEP, G, E, AUS)		CN102	1-568-795-11	SOCKET, CONNECTOR 12P	
CN992	1-564-321-00	PIN, CONNECTOR 2P (AEP, G, E, AUS)			< IC >		
* CN993	1-564-321-21	PIN, CONNECTOR 2P (AEP, G, E, AUS)		IC101	8-752-361-94	IC CXD2515AQ	
CN995	1-770-128-11	PIN, CONNECTOR 2P (E)		IC102	8-759-071-79	IC BA6297AFP-T1	
	< SWITCH >				< RESISTOR >		
Δ S992	1-571-722-11	SWITCH, VOLTAGE SELECTION		R101	1-216-077-00	METAL CHIP 15K 5%	1/10W
		(VOLTAGE SELECTOR) (E)		R102	1-216-097-00	METAL CHIP 100K 5%	1/10W
	*****			R103	1-216-077-00	METAL CHIP 15K 5%	1/10W
*	A-4649-432-A	BD BOARD, COMPLETE		R104	1-216-085-00	METAL CHIP 33K 5%	1/10W
	*****			R105	1-216-097-00	METAL CHIP 100K 5%	1/10W
	< CAPACITOR >			R106	1-216-061-00	METAL CHIP 3.3K 5%	1/10W
C101	1-163-005-11	CERAMIC CHIP 470PF 10%	50V	R107	1-216-061-00	METAL CHIP 3.3K 5%	1/10W
C102	1-163-038-91	CERAMIC CHIP 0.1uF	25V	R108	1-216-073-00	METAL CHIP 10K 5%	1/10W
C103	1-163-005-11	CERAMIC CHIP 470PF 10%	50V	R109	1-216-121-00	METAL CHIP 1M 5%	1/10W
C105	1-135-155-21	TANTALUM CHIP 4.7uF 10%	16V	R110	1-216-025-91	METAL GLAZE 100 5%	1/10W
C106	1-164-346-11	CERAMIC CHIP 1uF	16V	R112	1-216-049-91	METAL GLAZE 1K 5%	1/10W
C107	1-164-505-11	CERAMIC CHIP 2.2uF	16V	R113	1-216-077-00	METAL CHIP 15K 5%	1/10W
C108	1-163-035-00	CERAMIC CHIP 0.047uF	50V	R114	1-216-077-00	METAL CHIP 15K 5%	1/10W
C109	1-163-011-11	CERAMIC CHIP 0.0015uF 10%	50V	R117	1-216-077-00	METAL CHIP 15K 5%	1/10W
C110	1-163-017-00	CERAMIC CHIP 0.0047uF 5%	50V	R118	1-216-077-00	METAL CHIP 15K 5%	1/10W
C111	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	R121	1-216-077-00	METAL CHIP 15K 5%	1/10W
C112	1-163-038-91	CERAMIC CHIP 0.1uF	25V	R122	1-216-077-00	METAL CHIP 15K 5%	1/10W
C113	1-163-038-91	CERAMIC CHIP 0.1uF	25V	R123	1-216-073-00	METAL CHIP 10K 5%	1/10W
C123	1-164-232-11	CERAMIC CHIP 0.01uF	50V	R124	1-216-097-00	METAL CHIP 100K 5%	1/10W
C124	1-164-005-11	CERAMIC CHIP 0.47uF	25V	R125	1-216-049-91	METAL GLAZE 1K 5%	1/10W
C151	1-163-007-11	CERAMIC CHIP 680PF 10%	50V	R126	1-216-049-91	METAL GLAZE 1K 5%	1/10W
C152	1-163-007-11	CERAMIC CHIP 680PF 10%	50V	R127	1-216-049-91	METAL GLAZE 1K 5%	1/10W
C153	1-163-038-91	CERAMIC CHIP 0.1uF	25V	R131	1-216-037-00	METAL CHIP 330 5%	1/10W
C154	1-164-336-11	CERAMIC CHIP 0.33uF	25V	R151	1-216-070-00	METAL CHIP 7.5K 5%	1/10W
C155	1-163-007-11	CERAMIC CHIP 680PF 10%	50V	R152	1-216-070-00	METAL CHIP 7.5K 5%	1/10W
C156	1-163-007-11	CERAMIC CHIP 680PF 10%	50V	R153	1-216-070-00	METAL CHIP 7.5K 5%	1/10W
C157	1-163-033-91	CERAMIC CHIP 0.022uF	50V	R154	1-216-070-00	METAL CHIP 7.5K 5%	1/10W
C158	1-163-033-91	CERAMIC CHIP 0.022uF	50V	R155	1-216-070-00	METAL CHIP 7.5K 5%	1/10W
C159	1-163-023-00	CERAMIC CHIP 0.015uF 5%	50V	R156	1-216-070-00	METAL CHIP 7.5K 5%	1/10W
				R157	1-216-093-00	METAL CHIP 68K 5%	1/10W

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R158	1-216-076-00	METAL CHIP	13K 5% 1/10W	R806	1-249-415-11	CARBON	680 5% 1/4W
R159	1-216-085-00	METAL CHIP	33K 5% 1/10W	R807	1-249-417-11	CARBON	1K 5% 1/4W
R160	1-216-081-00	METAL CHIP	22K 5% 1/10W	R808	1-249-419-11	CARBON	1.5K 5% 1/4W
R161	1-216-308-00	METAL CHIP	4.7 5% 1/10W	R809	1-249-421-11	CARBON	2.2K 5% 1/4W
R162	1-216-093-00	METAL CHIP	68K 5% 1/10W	R810	1-249-423-11	CARBON	3.3K 5% 1/4W
R163	1-216-093-00	METAL CHIP	68K 5% 1/10W	R811	1-249-427-11	CARBON	6.8K 5% 1/4W
< SWITCH >				R812	1-249-415-11	CARBON	680 5% 1/4W
S101	1-572-085-11	SWITCH, LEAF (LIMIT SW)		R813	1-249-417-11	CARBON	1K 5% 1/4W
*****				R814	1-249-419-11	CARBON	1.5K 5% 1/4W
*	A-4673-252-A	DISPLAY BOARD, COMPLETE	*****	R815	1-249-421-11	CARBON	2.2K 5% 1/4W
*	3-362-478-01	HOLDER (T), LED		R816	1-249-423-11	CARBON	3.3K 5% 1/4W
*	4-969-510-01	HOLDER (FL)		R817	1-249-427-11	CARBON	6.8K 5% 1/4W
*	4-971-241-01	CUSHION (FLT)		R818	1-249-431-11	CARBON	15K 5% 1/4W
< CAPACITOR >				R819	1-249-437-11	CARBON	47K 5% 1/4W
C801	1-126-177-11	ELECT	100uF 20% 10V	R820	1-249-415-11	CARBON	680 5% 1/4W
C802	1-164-159-11	CERAMIC	0.1uF 50V	R821	1-249-417-11	CARBON	1K 5% 1/4W
< CONNECTOR >				R822	1-249-419-11	CARBON	1.5K 5% 1/4W
* CN801	1-568-862-11	SOCKET, CONNECTOR 19P		R823	1-249-421-11	CARBON	2.2K 5% 1/4W
< DIODE >				R824	1-249-423-11	CARBON	3.3K 5% 1/4W
D801	8-719-303-02	LED SEL2510C-D (▷)		R825	1-249-406-11	CARBON	120 5% 1/4W
D802	8-719-301-52	LED SEL2810A-C (□□)		R826	1-249-410-11	CARBON	270 5% 1/4W
< FLUORESCENT INDICATOR >				R827	1-247-811-31	CARBON	150 5% 1/4W
FLD801	1-517-357-11	INDICATOR TUBE, FLUORESCENT		R828	1-249-437-11	CARBON	47K 5% 1/4W
< IC >				R829	1-249-441-11	CARBON	100K 5% 1/4W
IC801	8-759-324-36	IC LC7570E		< SWITCH >			
IC802	8-759-324-36	IC LC7570E		S801	1-554-303-21	SWITCH, TACTILE (1)	
IC803	8-759-324-36	IC LC7570E		S802	1-554-303-21	SWITCH, TACTILE (2)	
IC804	8-741-810-59	IC SBX1610-59		S803	1-554-303-21	SWITCH, TACTILE (3)	
< TRANSISTOR >				S804	1-554-303-21	SWITCH, TACTILE (4)	
Q801	8-729-900-45	TRANSISTOR DTC114EF		S805	1-554-303-21	SWITCH, TACTILE (5)	
Q802	8-729-900-45	TRANSISTOR DTC114EF		S806	1-554-303-21	SWITCH, TACTILE (PLAY MODE)	
Q803	8-729-900-89	TRANSISTOR DTC144ES		S807	1-554-303-21	SWITCH, TACTILE (6)	
Q804	8-729-900-65	TRANSISTOR DTA144ES		S808	1-554-303-21	SWITCH, TACTILE (7)	
< RESISTOR >				S809	1-554-303-21	SWITCH, TACTILE (8)	
R801	1-249-415-11	CARBON	680 5% 1/4W	S810	1-554-303-21	SWITCH, TACTILE (9)	
R802	1-249-417-11	CARBON	1K 5% 1/4W	S811	1-554-303-21	SWITCH, TACTILE (10)	
R803	1-249-419-11	CARBON	1.5K 5% 1/4W	S812	1-554-303-21	SWITCH, TACTILE (REPEAT)	
R804	1-249-421-11	CARBON	2.2K 5% 1/4W	S813	1-554-303-21	SWITCH, TACTILE (11)	
R805	1-249-423-11	CARBON	3.3K 5% 1/4W	S814	1-554-303-21	SWITCH, TACTILE (12)	
				S815	1-554-303-21	SWITCH, TACTILE (CHECK)	
				S816	1-554-303-21	SWITCH, TACTILE (CLEAR)	
				S817	1-554-303-21	SWITCH, TACTILE (>12)	
				S818	1-554-303-21	SWITCH, TACTILE (EDIT/TIME FADE)	
				S819	1-554-303-21	SWITCH, TACTILE (△ OPEN/CLOSE)	
				S820	1-554-303-21	SWITCH, TACTILE (▷)	
				S821	1-554-303-21	SWITCH, TACTILE (□□)	
				S822	1-554-303-21	SWITCH, TACTILE (□)	
				S823	1-554-303-21	SWITCH, TACTILE (TIME)	
				S824	1-554-303-21	SWITCH, TACTILE (ERASE)	
				S825	1-554-303-21	SWITCH, TACTILE (FILE)	

DISPLAY

L. MOTOR

MAIN

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
S826	1-554-303-21	SWITCH, TACTILE (▷▷)					C511	1-124-122-11	ELECT	100uF	20%	50V	
S827	1-554-303-21	SWITCH, TACTILE (◁◁)					C512	1-136-802-11	FILM	0.015uF	5%	100V	
S828	1-554-303-21	SWITCH, TACTILE (▷▷◁)					C513	1-126-059-11	ELECT	10uF	20%	50V	
S829	1-554-303-21	SWITCH, TACTILE (◁◁◁)					C514	1-126-059-11	ELECT	10uF	20%	50V	

*	1-641-765-11	L. MOTOR BOARD					C515	1-124-122-11	ELECT	100uF	20%	50V	
		*****					C516	1-136-850-11	FILM	0.1uF	5%	63V	

*	A-4673-251-A	MAIN BOARD, COMPLETE (US, CND)					C517	1-136-850-11	FILM	0.1uF	5%	63V	
		*****					C518	1-126-059-11	ELECT	10uF	20%	50V	

*	A-4673-532-A	MAIN BOARD, COMPLETE (AEP, G, E, AUS)					C519	1-124-122-11	ELECT	100uF	20%	50V	
		*****					C520	1-124-122-11	ELECT	100uF	20%	50V	
		< CAPACITOR >					C521	1-130-973-00	FILM	0.022uF	5%	100V	
C301	1-126-023-11	ELECT	100uF	20%	16V		C522	1-130-955-00	FILM	0.01uF	5%	100V	
C302	1-164-159-11	CERAMIC	0.1uF		50V		C523	1-130-955-00	FILM	0.01uF	5%	100V	
C304	1-162-290-31	CERAMIC	470PF	10%	50V		C524	1-130-339-00	FILM	0.0056uF	5%	100V	
C305	1-162-294-31	CERAMIC	0.001uF	10%	50V		C525	1-130-339-00	FILM	0.0056uF	5%	100V	
C306	1-162-208-31	CERAMIC	24PF	5%	50V		C526	1-136-814-11	FILM	0.001uF	5%	100V	
C307	1-126-044-11	ELECT	1uF	20%	50V		C527	1-136-814-11	FILM	0.001uF	5%	100V	
C321	1-124-572-11	ELECT	100uF	20%	63V		C528	1-107-160-00	MICA	36PF	5%	500V	
C322	1-162-806-11	CERAMIC	0.1uF	10%	50V							(US, CND)	
C323	1-102-947-00	CERAMIC	10PF	5%	50V		C529	1-107-208-00	MICA	18PF	5%	500V	
C324	1-102-947-00	CERAMIC	10PF	5%	50V							(US, CND)	
C325	1-164-159-11	CERAMIC	0.1uF		50V		C530	1-136-817-11	FILM	0.0033uF	2%	100V	
C351	1-125-507-11	DOUBLE LAYERS	0.22F				C531	1-136-813-11	FILM	680PF	5%	100V	
C352	1-164-159-11	CERAMIC	0.1uF		50V		C532	1-124-572-11	ELECT	100uF	20%	63V	
C353	1-164-159-11	CERAMIC	0.1uF		50V		C533	1-136-802-11	FILM	0.015uF	5%	100V	
C354	1-124-994-11	ELECT	100uF	20%	10V		C534	1-126-059-11	ELECT	10uF	20%	50V	
C355	1-161-494-00	CERAMIC	0.022uF		25V		C535	1-136-165-00	FILM	0.1uF	5%	50V	
C356	1-162-306-11	CERAMIC	0.01uF	30%	16V		C536	1-126-024-11	ELECT	220uF	20%	25V	
C357	1-164-159-11	CERAMIC	0.1uF		50V		C601	1-130-495-00	MYLAR	0.1uF	5%	50V	
C358	1-164-159-11	CERAMIC	0.1uF		50V		C602	1-126-023-11	ELECT	100uF	20%	25V	
C359	1-126-023-11	ELECT	100uF	20%	25V		C603	1-130-495-00	MYLAR	0.1uF	5%	50V	
C360	1-136-165-00	FILM	0.1uF	5%	50V		C604	1-126-024-11	ELECT	220uF	20%	25V	
C361	1-164-159-11	CERAMIC	0.1uF		50V		C605	1-130-495-00	MYLAR	0.1uF	5%	50V	
C362	1-124-911-11	ELECT	220uF	20%	50V		C609	1-136-802-11	FILM	0.015uF	5%	100V	
C363	1-124-911-11	ELECT	220uF	20%	50V		C610	1-126-059-11	ELECT	10uF	20%	50V	
C365	1-130-495-00	MYLAR	0.1uF	5%	50V		C611	1-124-122-11	ELECT	100uF	20%	50V	
C366	1-130-495-00	MYLAR	0.1uF	5%	50V		C612	1-136-802-11	FILM	0.015uF	5%	100V	
C370	1-164-159-11	CERAMIC	0.1uF		50V		C613	1-126-059-11	ELECT	10uF	20%	50V	
C501	1-130-495-00	MYLAR	0.1uF	5%	50V		C614	1-126-059-11	ELECT	10uF	20%	50V	
C502	1-126-023-11	ELECT	100uF	20%	25V		C615	1-124-122-11	ELECT	100uF	20%	50V	
C503	1-130-495-00	MYLAR	0.1uF	5%	50V		C616	1-136-850-11	FILM	0.1uF	5%	63V	
C504	1-126-024-11	ELECT	220uF	20%	25V		C617	1-136-850-11	FILM	0.1uF	5%	63V	
C505	1-130-495-00	MYLAR	0.1uF	5%	50V		C618	1-126-059-11	ELECT	10uF	20%	50V	
C509	1-136-802-11	FILM	0.015uF	5%	100V		C619	1-124-122-11	ELECT	100uF	20%	50V	
C510	1-126-059-11	ELECT	10uF	20%	50V		C620	1-124-122-11	ELECT	100uF	20%	50V	
							C621	1-130-973-00	FILM	0.022uF	5%	100V	
							C622	1-130-955-00	FILM	0.01uF	5%	100V	
							C623	1-130-955-00	FILM	0.01uF	5%	100V	
							C624	1-130-339-00	FILM	0.0056uF	5%	100V	
							C625	1-130-339-00	FILM	0.0056uF	5%	100V	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C626	1-136-814-11	FILM	0.001uF 5% 100V	< COIL >			
C627	1-136-814-11	FILM	0.001uF 5% 100V	L301	1-410-322-11	INDUCTOR 3.3uH	
C628	1-107-160-00	MICA	36PF 5% 500V (US, CND)	L302	1-410-503-11	INDUCTOR 3.3uH	
				L303	1-410-322-11	INDUCTOR 3.3uH	
C629	1-107-208-00	MICA	18PF 5% 500V (US, CND)	L304	1-410-322-11	INDUCTOR 3.3uH	
C630	1-136-817-11	FILM	0.0033uF 2% 100V	L305	1-410-322-11	INDUCTOR 3.3uH	
C631	1-136-813-11	FILM	680PF 5% 100V	L306	1-410-322-11	INDUCTOR 3.3uH	
C632	1-124-572-11	ELECT	100uF 20% 63V	L321	1-410-970-11	INDUCTOR 6.8uH	
C633	1-136-802-11	FILM	0.015uF 5% 100V	L351	1-410-322-11	INDUCTOR 3.3uH	
				L504	1-412-473-21	INDUCTOR 0uH	
C634	1-126-059-11	ELECT	10uF 20% 50V	L505	1-412-473-21	INDUCTOR 0uH	
C635	1-136-165-00	FILM	0.1uF 5% 50V	L604	1-412-473-21	INDUCTOR 0uH	
C636	1-126-024-11	ELECT	220uF 20% 25V	L605	1-412-473-21	INDUCTOR 0uH	
< CONNECTOR >				< TRANSISTOR >			
* CN301	1-568-839-11	SOCKET, CONNECTOR 23P		Q352	8-729-900-61	TRANSISTOR DTA114ES	
CN302	1-568-802-11	SOCKET, CONNECTOR 19P		Q501	8-729-900-65	TRANSISTOR DTA144ES (US, CND)	
CN303	1-691-769-11	PLUG (MICRO CONNECTOR) 7P		Q502	8-729-231-55	TRANSISTOR 2SC2878-AB	
CN321	1-691-766-11	PLUG (MICRO CONNECTOR) 4P		Q503	8-729-231-55	TRANSISTOR 2SC2878-AB (US, CND)	
CN322	1-691-771-11	PLUG (MICRO CONNECTOR) 9P		Q504	8-729-141-30	TRANSISTOR 2SC3623A-LK	
* CN323	1-568-954-11	PIN, CONNECTOR 5P		Q601	8-729-900-65	TRANSISTOR DTA144ES (US, CND)	
* CN324	1-568-951-11	PIN, CONNECTOR 2P		Q602	8-729-231-55	TRANSISTOR 2SC2878-AB	
CN325	1-691-766-31	PLUG (MICRO CONNECTOR) 4P		Q603	8-729-231-55	TRANSISTOR 2SC2878-AB (US, CND)	
CN501	1-564-505-11	PLUG, CONNECTOR 2P		Q604	8-729-141-30	TRANSISTOR 2SC3623A-LK	
* CN601	1-564-505-11	PLUG, CONNECTOR 2P		< RESISTOR >			
< DIODE >				R301	1-249-417-11	CARBON 1K 5% 1/4W	
D301	8-719-987-63	DIODE 1N4148M		R302	1-249-417-11	CARBON 1K 5% 1/4W	
D351	8-719-987-63	DIODE 1N4148M		R303	1-249-417-11	CARBON 1K 5% 1/4W	
D352	8-719-109-87	DIODE RD5.6ES-B		R304	1-249-417-11	CARBON 1K 5% 1/4W	
D353	8-719-987-63	DIODE 1N4148M		R305	1-249-415-11	CARBON 680 5% 1/4W	
< IC >				R306	1-249-409-11	CARBON 220 5% 1/4W	
IC301	8-759-287-69	IC CXD8504M		R307	1-249-417-11	CARBON 1K 5% 1/4W	
IC302	8-759-044-10	IC CXD2562Q		R308	1-249-441-11	CARBON 100K 5% 1/4W	
IC351	8-752-864-35	IC CXP84124-025Q		R309	1-249-417-11	CARBON 1K 5% 1/4W	
IC352	8-759-289-94	IC LH5160TF		R310	1-249-417-11	CARBON 1K 5% 1/4W	
IC353	8-759-822-09	IC LB1641		R321	1-249-429-11	CARBON 10K 5% 1/4W	
IC354	8-759-962-08	IC BA6208		R351	1-249-427-11	CARBON 6.8K 5% 1/4W	
IC355	8-749-921-12	IC GP1F32T (DIGITAL OUT OPTICAL)		R352	1-249-427-11	CARBON 6.8K 5% 1/4W	
IC356	8-759-981-85	IC RC4556D		R353	1-249-427-11	CARBON 6.8K 5% 1/4W	
IC501	8-759-293-17	IC CXA8042S		R354	1-249-427-11	CARBON 6.8K 5% 1/4W	
IC502	8-759-900-72	IC NE5532P		R355	1-249-427-11	CARBON 6.8K 5% 1/4W	
IC503	8-759-900-72	IC NE5532P		R356	1-249-427-11	CARBON 6.8K 5% 1/4W	
IC601	8-759-293-17	IC CXA8042S		R357	1-249-427-11	CARBON 6.8K 5% 1/4W	
IC602	8-759-900-72	IC NE5532P		R358	1-249-427-11	CARBON 6.8K 5% 1/4W	
IC603	8-759-900-72	IC NE5532P		R359	1-249-415-11	CARBON 680 5% 1/4W	
< JACK >				R360	1-249-415-11	CARBON 680 5% 1/4W	
J361	1-569-443-21	JACK, PIN 4P (LINE OUT (FIXED, VARIABLE))		R361	1-249-399-11	CARBON 33 5% 1/4W	
				R362	1-249-417-11	CARBON 1K 5% 1/4W	
				R363	1-249-441-11	CARBON 100K 5% 1/4W	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R364	1-249-417-11	CARBON 1K 5% 1/4W		R540	1-259-416-11	CARBON 330 5% 1/6W	
R365	1-249-417-11	CARBON 1K 5% 1/4W		R541	1-259-416-11	CARBON 330 5% 1/6W	
R366	1-249-429-11	CARBON 10K 5% 1/4W		R542	1-259-416-11	CARBON 330 5% 1/6W	
△R367	1-212-857-00	FUSIBLE 10 5% 1/4W F	(AEP, G, E, AUS)	R543	1-249-504-11	CARBON 10 5% 1/4W	
△R367	1-217-997-11	FUSIBLE 10 5% 1/2W F (US, CND)		R601	1-259-380-11	CARBON 10 5% 1/6W	
△R368	1-212-857-00	FUSIBLE 10 5% 1/4W F	(AEP, G, E, AUS)	R602	1-259-380-11	CARBON 10 5% 1/6W	
				R603	1-259-380-11	CARBON 10 5% 1/6W	
				R604	1-259-380-11	CARBON 10 5% 1/6W	
△R368	1-217-997-11	FUSIBLE 10 5% 1/2W F (US, CND)		R607	1-247-706-11	CARBON 330 5% 1/4W	
R371	1-249-441-11	CARBON 100K 5% 1/4W		R608	1-247-706-11	CARBON 330 5% 1/4W	
R372	1-249-429-11	CARBON 10K 5% 1/4W		R609	1-247-706-11	CARBON 330 5% 1/4W	
R501	1-259-380-11	CARBON 10 5% 1/6W		R610	1-249-887-11	CARBON 33 1% 1/4W	
R502	1-259-380-11	CARBON 10 5% 1/6W		R611	1-249-887-11	CARBON 33 1% 1/4W	
R503	1-259-380-11	CARBON 10 5% 1/6W		R612	1-249-932-11	CARBON 2.4K 1% 1/4W	
R504	1-259-380-11	CARBON 10 5% 1/6W		R613	1-249-932-11	CARBON 2.4K 1% 1/4W	
R507	1-247-706-11	CARBON 330 5% 1/4W		R614	1-249-933-11	CARBON 2.7K 1% 1/4W	
R508	1-247-706-11	CARBON 330 5% 1/4W		R615	1-249-933-11	CARBON 2.7K 1% 1/4W	
R509	1-247-706-11	CARBON 330 5% 1/4W		R616	1-247-713-11	CARBON 1K 5% 1/4W (AEP, G, E, AUS)	
R510	1-249-887-11	CARBON 33 1% 1/4W		R616	1-249-553-11	CARBON 1.1K 5% 1/4W (US, CND)	
R511	1-249-887-11	CARBON 33 1% 1/4W		R617	1-247-717-11	CARBON 2.2K 5% 1/4W	
R512	1-249-932-11	CARBON 2.4K 1% 1/4W		R618	1-249-590-11	CARBON 39K 5% 1/4W (US, CND)	
R513	1-249-932-11	CARBON 2.4K 1% 1/4W		R619	1-247-700-11	CARBON 100 5% 1/4W	
R514	1-249-933-11	CARBON 2.7K 1% 1/4W		R620	1-249-606-11	CARBON 180K 5% 1/4W	
R515	1-249-933-11	CARBON 2.7K 1% 1/4W		R621	1-249-461-11	CARBON 18K 5% 1/4W	
R516	1-247-713-11	CARBON 1K 5% 1/4W (AEP, G, E, AUS)		R622	1-247-716-11	CARBON 1.8K 5% 1/4W	
R516	1-249-553-11	CARBON 1.1K 5% 1/4W (US, CND)		R623	1-247-891-00	CARBON 330K 5% 1/4W	
R517	1-247-717-11	CARBON 2.2K 5% 1/4W		R624	1-247-704-11	CARBON 220 5% 1/4W (US, CND)	
R518	1-249-590-11	CARBON 39K 5% 1/4W (US, CND)		R624	1-247-710-11	CARBON 560 5% 1/4W (AEP, G, E, AUS)	
R519	1-247-700-11	CARBON 100 5% 1/4W		R625	1-247-704-11	CARBON 220 5% 1/4W (US, CND)	
R520	1-249-606-11	CARBON 180K 5% 1/4W		R626	1-247-700-11	CARBON 100 5% 1/4W (AEP, G, E, AUS)	
R521	1-249-461-11	CARBON 18K 5% 1/4W		R626	1-247-704-11	CARBON 220 5% 1/4W (US, CND)	
R522	1-247-716-11	CARBON 1.8K 5% 1/4W		R627	1-249-425-11	CARBON 4.7K 5% 1/4W	
R523	1-247-891-00	CARBON 330K 5% 1/4W		R628	1-249-425-11	CARBON 4.7K 5% 1/4W (US, CND)	
R524	1-247-704-11	CARBON 220 5% 1/4W (US, CND)		R629	1-249-441-11	CARBON 100K 5% 1/4W (US, CND)	
R524	1-247-710-11	CARBON 560 5% 1/4W (AEP, G, E, AUS)		R630	1-249-504-11	CARBON 10 5% 1/4W (US, CND)	
R525	1-247-704-11	CARBON 220 5% 1/4W (US, CND)		R631	1-259-412-11	CARBON 220 5% 1/6W	
R526	1-247-704-11	CARBON 220 5% 1/4W (US, CND)		R632	1-249-425-11	CARBON 4.7K 5% 1/4W	
R526	1-247-700-11	CARBON 100 5% 1/4W (AEP, G, E, AUS)		R633	1-249-437-11	CARBON 47K 5% 1/4W	
R527	1-249-425-11	CARBON 4.7K 5% 1/4W		R634	1-249-431-11	CARBON 15K 5% 1/4W	
R528	1-249-425-11	CARBON 4.7K 5% 1/4W (US, CND)		R635	1-249-435-11	CARBON 33K 5% 1/4W	
R529	1-249-441-11	CARBON 100K 5% 1/4W (US, CND)		R636	1-249-402-11	CARBON 56 5% 1/4W	
R530	1-249-504-11	CARBON 10 5% 1/4W (US, CND)		R637	1-249-425-11	CARBON 4.7K 5% 1/4W	
R531	1-259-412-11	CARBON 220 5% 1/6W		R639	1-259-416-11	CARBON 330 5% 1/6W	
R532	1-249-425-11	CARBON 4.7K 5% 1/4W		R640	1-259-416-11	CARBON 330 5% 1/6W	
R533	1-249-437-11	CARBON 47K 5% 1/4W		R641	1-259-416-11	CARBON 330 5% 1/6W	
R534	1-249-431-11	CARBON 15K 5% 1/4W		R642	1-259-416-11	CARBON 330 5% 1/6W	
R535	1-249-435-11	CARBON 33K 5% 1/4W		R643	1-249-504-11	CARBON 10 5% 1/4W	
R536	1-249-402-11	CARBON 56 5% 1/4W					
R537	1-249-425-11	CARBON 4.7K 5% 1/4W					
R539	1-259-416-11	CARBON 330 5% 1/6W					

< VIBRATOR >

X321 1-579-161-11 VIBRATOR, CRYSTAL (45MHz)

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.

MAIN

POWER

POWER SW

Ref. No.	Part No.	Description	Remark
X351	1-577-377-11	VIBRATOR, CERAMIC (10MHz)	

*	A-4673-256-A	POWER BOARD, COMPLETE (US, CND)	

*	A-4673-531-A	POWER BOARD, COMPLETE (AEP, G, E, AUS)	

*	4-363-146-00	HEAT SINK, V. OUT	
	7-685-871-01	SCREW +BVT 3X6 (S)	
< CAPACITOR >			
C201	1-110-578-11	ELECT 3300uF 20% 25V	
C202	1-110-578-11	ELECT 3300uF 20% 25V	
C203	1-124-557-11	ELECT 1000uF 20% 25V	
C204	1-124-557-11	ELECT 1000uF 20% 25V	
C205	1-126-052-11	ELECT 100uF 20% 50V	
C206	1-126-017-11	ELECT 6800uF 20% 16V	
C207	1-124-556-11	ELECT 2200uF 20% 16V	
C208	1-126-024-11	ELECT 220uF 20% 16V	
C209	1-124-618-11	ELECT 2200uF 20% 35V	
C210	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C211	1-126-162-11	ELECT 3.3uF 20% 50V	
C213	1-164-159-11	CERAMIC 0.1uF 50V	
C214	1-164-159-11	CERAMIC 0.1uF 50V	
C215	1-126-059-11	ELECT 10uF 20% 50V	
C251	1-126-857-11	ELECT 470uF 20% 35V	
C252	1-126-059-11	ELECT 10uF 20% 50V	
C253	1-126-059-11	ELECT 10uF 20% 50V	
C364	1-124-473-11	ELECT 1000uF 20% 10V	
C369	1-124-473-11	ELECT 1000uF 20% 10V	
< CONNECTOR >			
* CN201	1-564-513-11	PLUG, CONNECTOR 10P	
< DIODE >			
D201	8-719-210-21	DIODE 11EQS04	
D202	8-719-210-21	DIODE 11EQS04	
D203	8-719-210-21	DIODE 11EQS04	
D204	8-719-210-21	DIODE 11EQS04	
D205	8-719-210-21	DIODE 11EQS04	
D206	8-719-975-85	DIODE ERB83-004	
D207	8-719-975-85	DIODE ERB83-004	
D208	8-719-975-85	DIODE ERB83-004	
D209	8-719-975-85	DIODE ERB83-004	
D210	8-719-987-63	DIODE 1N4148M	
D211	8-719-114-30	DIODE RD5.1JS-B2	
D213	8-719-987-63	DIODE 1N4148M	
D214	8-719-987-63	DIODE 1N4148M	
D215	8-719-987-63	DIODE 1N4148M	

Ref. No.	Part No.	Description	Remark
D251	8-719-210-21	DIODE 11EQS04	
D252	8-719-113-38	DIODE RD18ES-T2B1	
D253	8-719-114-30	DIODE RD5.1JS-B2	
< IC >			
IC201	8-759-604-86	IC M5F7807	
IC202	8-759-604-90	IC M5F7907	
IC203	8-759-231-53	IC TA7805S	
IC204	8-759-231-53	IC TA7805S	
IC205	8-759-604-86	IC M5F7807	
IC206	8-759-636-16	IC M51957AL	
< TRANSISTOR >			
Q251	8-729-140-97	TRANSISTOR 2SB734-34	
< RESISTOR >			
R201	1-249-436-11	CARBON 39K 5% 1/4W	
R202	1-249-431-11	CARBON 15K 5% 1/4W	
R203	1-249-423-11	CARBON 3.3K 5% 1/4W	
R204	1-249-413-11	CARBON 470 5% 1/4W	
R205	1-249-417-11	CARBON 1K 5% 1/4W	
△R251	1-212-869-00	FUSIBLE 33 5% 1/4W F	
R252	1-249-423-11	CARBON 3.3K 5% 1/4W	
R253	1-249-435-11	CARBON 33K 5% 1/4W	
△R369	1-212-857-00	FUSIBLE 10 5% 1/4W F	(AEP, G, E, AUS)
△R369	1-219-006-11	FUSIBLE 22 5% 1/2W F (US, CND)	
△R370	1-212-857-00	FUSIBLE 10 5% 1/4W F	(AEP, G, E, AUS)
△R370	1-219-006-11	FUSIBLE 22 5% 1/2W F (US, CND)	

*	1-654-207-11	POWER SW BOARD	

< CAPACITOR >			
△C991	1-161-744-00	CERAMIC 0.01uF 400V	
< CONNECTOR >			
CN994	1-690-123-51	REED (WITH CONNECTOR) (2 CORE)	
< SWITCH >			
△S991	1-572-267-51	SWITCH, PUSH (AC POWER) (1 KEY) (POWER)	

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.

SW TRANSFORMER VOL

Ref.No.	Part No.	Description	Remark
*	1-641-764-11	SW BOARD *****	
		< CAPACITOR >	
C001	1-161-494-00	CERAMIC 0.022uF	25V
		< RESISTOR >	
R001	1-247-727-11	CARBON 10 5% 1/2W	
R002	1-247-727-11	CARBON 10 5% 1/2W	
		< SWITCH >	
S001	1-571-300-21	SWITCH, ROTARY (IN SW)	
S002	1-571-300-21	SWITCH, ROTARY (OUT SW)	

*	1-654-210-11	TRANSFORMER BOARD (US, CND) *****	
		< CONNECTOR >	
CN991	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P (US, CND)	
CN992	1-564-321-00	PIN, CONNECTOR 2P (US, CND)	

*	1-654-206-11	VOL BOARD *****	
*	4-962-201-01	PLATE (HP), GROUND	
		< CAPACITOR >	
C401	1-164-159-11	CERAMIC 0.1uF 50V	
C405	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C406	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C407	1-162-294-31	CERAMIC 0.001uF 10% 50V (US, CND)	
C408	1-162-294-31	CERAMIC 0.001uF 10% 50V (AEP, G, E, AUS)	
C409	1-164-159-11	CERAMIC 0.1uF 50V (AEP, G, E, AUS)	
		< CONNECTOR >	
* CN401	1-564-526-11	PLUG, CONNECTOR 11P	
CN402	1-506-481-11	PIN, CONNECTOR 2P	
		< JACK >	
J401	1-750-162-61	JACK (LARGE TYPE) (PHONES)	
		< COIL >	
L503	1-412-473-21	INDUCTOR 0uH	
L603	1-412-473-21	INDUCTOR 0uH	

Ref.No.	Part No.	Description	Remark
		< VARIABLE RESISTOR >	
RV401	1-223-747-11	RES, VAR, CARBON 10K/10K (LINE OUT PHONE LEVEL)	

		MISCELLANEOUS *****	
△6	1-558-181-21	CORD, POWER (E)	
△6	1-558-568-21	CORD, POWER (AEP, G)	
△6	1-559-583-21	CORD, POWER (US, CND)	
△6	1-751-060-11	CORD, POWER (AUS)	
20	1-696-998-11	WIRE (FLAT TYPE) (23 CORE)	
△27	1-569-007-11	ADAPTER, CONVERSION 2P (E)	
71	1-765-073-11	WIRE (FLAT TYPE) (19 CORE)	
△754	8-848-144-11	OPTICAL PICK-UP BLOCK KSS-240A	
757	1-575-001-11	WIRE, FLAT TYPE (12 CORE)	
FLD801	1-517-357-11	INDICATOR TUBE, FLUORESCENT	
IC204	8-759-231-53	IC TA7805S	
M001	A-4604-347-A	MOTOR (L) ASSY (LOADING MOTOR)	
M101	X-4917-523-3	BASE (OUTSERT) ASSY (SPINDLE MOTOR)	
M102	X-4917-504-1	MOTOR ASSY (SLED MOTOR)	
S101	1-572-085-11	SWITCH, LEAF (LIMIT SW)	
△S992	1-571-722-11	SWITCH, VOLTAGE SELECTION (VOLTAGE SELECTOR) (E)	
△T901	1-427-810-11	TRANSFORMER, POWER (AEP, G, AUS)	
△T901	1-427-811-11	TRANSFORMER, POWER (E)	
△T901	1-427-812-11	TRANSFORMER, POWER (US, CND)	

		ACCESSORIES & PACKING MATERIALS *****	
		1-467-889-11 REMOTE COMMANDER (RM-D921)	
		1-558-271-11 CORD, CONNECTION (AUDIO 108cm)	
		3-707-584-21 COVER, BATTERY (for RM-D921)	
		3-759-341-11 MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, SWEDISH) (EXCEPT G)	
		3-759-341-41 MANUAL, INSTRUCTION (GERMAN, DUTCH, ITALIAN, PORTUGUESE) (AEP, G)	
		3-759-341-91 MANUAL, INSTRUCTION (FINISH, DANNISH) (AEP)	
*	4-955-666-11	CUSHION	
*	4-972-152-01	INDIVIDUAL CARTON (EXCEPT AUS)	
*	4-974-012-01	INDIVIDUAL CARTON (AUS)	

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

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Ne les remplacer que par une pièce portant le numéro spécifié.

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
		***** HARDWARE LIST *****	
#1	7-682-548-09	SCREW +BVTT 3X8 (S)	
#2	7-682-547-09	SCREW +BVTT 3X6 (S)	
#3	7-685-871-01	SCREW +BVTT 3X6 (S)	
#4	7-685-647-79	SCREW +P 3X10 TYPE2 SLIT	
#5	7-682-565-09	SCREW +BVTT 4X16 (S)	
#6	7-688-003-12	W 3, MIDDLE	
#7	7-624-105-04	STOP RING 2.3, TYPE -E	
#8	7-682-544-04	SCREW +P 3X3	
#9	7-621-255-15	SCREW +P 2X3	
#10	7-685-646-79	SCREW, TAPPING	

CDP-XA3ES

SONY® SERVICE MANUAL

*US Model
Canadian Model
AEP Model
E Model
Australian Model*

SUPPLEMENT-1

File this supplement with the service manual.

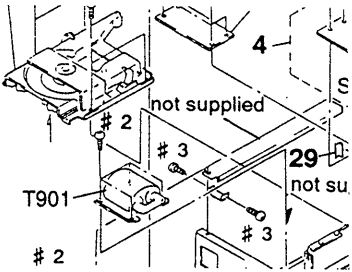
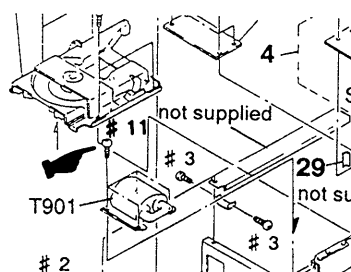
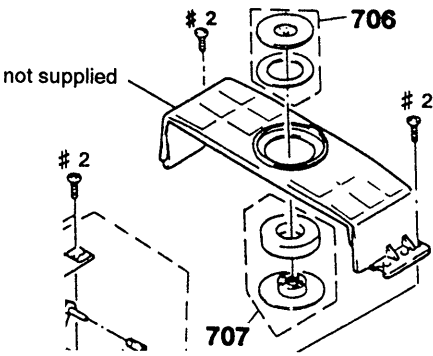
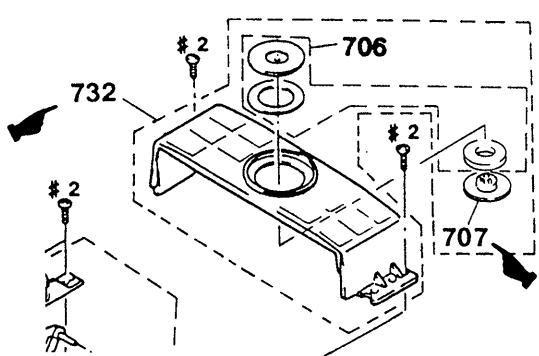
**Subject : 1. CORRECTION
2. COLOR VARIATION (GOLD TYPE) ADDITION
3. PARTS CHANGED**

(ECN-CD501431)

1. CORRECTION

- Correct your service manual as shown below.

✖ : Indicates corrected portion.

Page	INCORRECT				CORRECT			
	Ref. No	Part No	Description	Remark	Ref. No	Part No	Description	Remark
34								
36					732 A-4604-911-A HOLDER (A. P.) ASSY 			
45	** HARDWARE LIST **				** HARDWARE LIST ** #11 7-685-870-09 SCREW +BVTT 3X5 (S)			

2. COLOR VARIATION (GOLD TYPE) ADDITION

The others are common parts so that please refer to the previous issued service manual.

Page	BLACK TYPE				GOLD TYPE			
	Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
34	1	4-969-469-01	CASE		1	4-969-469-31	CASE	
	2	3-704-366-01	SCREW (CASE) (M3X8)		2	3-704-366-71	SCREW (CASE)	
	13	4-969-477-01	PANEL, LOADING		13	4-969-477-11	PANEL, LOADING	
	19	4-942-568-01	EMBLEM (NO. 5), SONY		19	4-942-568-11	EMBLEM (NO. 5), SONY	
35	51	4-923-520-51	KNOB, POWER		51	4-923-520-41	KNOB, POWER	
	57	4-970-528-01	BUTTON (F.R)		57	4-970-528-11	BUTTON (F.R)	
	58	4-969-562-01	BUTTON (AMS)		58	4-969-562-11	BUTTON (AMS)	
	59	4-950-189-01	KNOB (A) (VOL)		59	4-950-189-11	KNOB (A) (VOL)	
	60	4-970-527-01	BUTTON (TIME)		60	4-970-527-11	BUTTON (TIME)	
	61	4-969-470-01	PANEL (L)		61	4-969-470-11	PANEL (L)	
	62	X-4945-277-1	PANEL (M) ASSY		62	X-4946-794-1	PANEL (M) ASSY	
	64	4-969-473-11	PANEL, FRONT (AEP, G)		64	4-969-473-41	PANEL, FRONT	
	67	4-969-475-01	BUTTON (DIRECT)		67	4-969-475-11	BUTTON (DIRECT)	
	68	X-4945-276-1	BUTTON (PLAY) ASSY		68	X-4945-311-1	BUTTON (PLAY) ASSY	
	69	4-969-471-01	PANEL (R)		69	4-969-471-31	PANEL (R)	
36	701	4-948-353-01	TABLE, DISC		701	4-948-353-11	TABLE, DISC	

• CD MECHANISM TYPE

BLACK TYPE		GOLD TYPE	
CD Mechanism Type	CDM19E2-5BD10B	CD Mechanism Type	CDM19E3-5BD10B

3. PARTS CHANGED

ELECTRICAL PARTS LIST

• Abbreviation
 G : German model
 AUS : Australian model

Page	FORMER						NEW					
	Ref.No	Part No	Description			Remark	Ref.No	Part No	Description			Remark
39	** DISPLAY BOARD **						** DISPLAY BOARD **					
	R827	1-247-811-31	CARBON	150	5%	1/4W	R827	1-249-407-11	CARBON	150	5%	1/4W
40	** MAIN BOARD **						** MAIN BOARD **					
	C301	1-126-023-11	ELECT	100uF	20%	16V	C301	1-126-009-81	ELECT	100uF	20%	16V
	C321	1-124-572-11	ELECT	100uF	20%	63V	C321	1-126-063-11	ELECT	100uF	20%	50V
	C323	1-102-947-00	CERAMIC	10PF	5%	50V	C323	1-102-508-91	CERAMIC	10PF	0.5PF	50V
	C324	1-102-947-00	CERAMIC	10PF	5%	50V	C324	1-102-508-91	CERAMIC	10PF	0.5PF	50V
	C532	1-124-572-11	ELECT	100uF	20%	63V	C532	1-126-063-11	ELECT	100uF	20%	50V
41	C632	1-124-572-11	ELECT	100uF	20%	63V	C632	1-126-063-11	ELECT	100uF	20%	50V
	IC301	8-759-287-69	IC	CXD8504M			IC301	8-759-334-74	IC	CXD8504AM		
42	R507	1-247-706-11	CARBON	330	5%	1/4W	R507	1-249-911-11	CARBON	330	1%	1/4W
	R508	1-247-706-11	CARBON	330	5%	1/4W	R508	1-249-911-11	CARBON	330	1%	1/4W
	R509	1-247-706-11	CARBON	330	5%	1/4W	R509	1-249-911-11	CARBON	330	1%	1/4W
	R517	1-247-717-11	CARBON	2.2K	5%	1/4W	R517	1-249-560-91	CARBON	2.2K	5%	1/4W
	R519	1-247-700-11	CARBON	100	5%	1/4W	R519	1-249-528-91	CARBON	100	5%	1/4W
	R526	1-247-700-11	CARBON	100	5%	1/4W (AEP, G, E, AUS)	R526	1-249-528-91	CARBON	100	5%	1/4W (AEP, G, E, AUS)
	R607	1-247-706-11	CARBON	330	5%	1/4W	R607	1-249-911-11	CARBON	330	1%	1/4W
	R608	1-247-706-11	CARBON	330	5%	1/4W	R608	1-249-911-11	CARBON	330	1%	1/4W
	R609	1-247-706-11	CARBON	330	5%	1/4W	R609	1-249-911-11	CARBON	330	1%	1/4W
	R617	1-247-717-11	CARBON	2.2K	5%	1/4W	R617	1-249-560-91	CARBON	2.2K	5%	1/4W
	R619	1-247-700-11	CARBON	100	5%	1/4W	R619	1-249-528-91	CARBON	100	5%	1/4W
	R626	1-247-700-11	CARBON	100	5%	1/4W (AEP, G, E, AUS)	R626	1-249-528-91	CARBON	100	5%	1/4W (AEP, G, E, AUS)
44	** VOL BOARD **						** VOL BOARD **					
	J401	1-750-162-61	JACK (LARGE TYPE) (PHONES)				J401	1-766-850-11	JACK (LARGE TYPE) (PHONES)			

CDP-XA3ES

SONY[®] SERVICE MANUAL

*US Model
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SUPPLEMENT-2

File this supplement with the service manual.

Subject : Addition of the instruction manual

(ECN-CD600106)

Page	FORMER			NEW	
	<u>No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Description</u>
44		_____		3-759-341-51	MANUAL, INSTRUCTION (CHINESE) (G)

NOTE :

- Abbreviation
- G : German model