CFD-ZW755

SERVICE MANUAL

US Model

Ver 1.0 2000.03

CD Section	Model Name Using Similar Mechanism	CFD-ZW750/ZW770
	CD Machanism Type	KSM-213CDM
	Optical Pick-up Type	KSS-213C
TC Section	Model Name Using Similar Machanism	NEW
	Tape Transport Mechanism Type	MF-ZW755-117

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS
POWER OUTPUT AND TOTAL HARMONIC DISTORTION
With 3.2-ohm loads, both channel driven from 150 - 6,300 Hz; rated 1.6 W per channel-minimum RMS power, with no more than 10 % total harmonic distortion in AC operation.

Other Specifications
CD player section
System
Compact disc digital audio system
Laser diode properties
Material: GaAlAs
Wave length: 780 nm
Emission duration: Continuous
Laser output: Less than 44.6 µW
(This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)
Spindle speed
200 r/min (rpm) to 500 r/min (rpm) (CLV)
Number of channels
2
Frequency response
20 - 20,000 Hz +1/–1 dB
Wow and flutter
Below measurable limit

Radio section
Frequency range
FM: 87.5 - 108 MHz
AM:530 - 1,710 kHz
Antennas
FM: Telescopic antenna
AM: Built-in ferrite bar antenna

Cassette-corder section
Recording system
4-track 2 channel stereo
Fast winding time
Approx. 120 s (sec.) with Sony cassette C-60
Frequency response
TYPE I (normal): 80 - 10,000 Hz

General
Speaker
Full range: 10 cm (4 in.) dia.,
3.2 ohms, cone type (2)
Outputs
Headphones jack (stereo minijack)
For 16 - 68 ohms impedance headphones
Power requirements
For CD radio cassette-corder:
120 V AC, 60 Hz
9 V DC, 6 size D (R20) batteries
For memory back-up:
4.5 V DC, 3 size AA (R6) batteries
For remote control:
3 V DC, 2 size AA (R6) batteries

– Continued on page 2 –

CD RADIO CASSETTE-CORDER

SONY®

Power consumption

AC 15 W

Battery life

For CD radio cassette-corder:

FM recording	
Sony R20P:	approx. 7.5 h
Sony alkaline LR20:	approx. 22 h
Tape playback	
Sony R20P:	approx. 7 h
Sony alkaline LR20:	approx. 20 h
CD playback	
Sony R20P:	approx. 3 h
Sony alkaline LR20:	approx. 10 h

For memory back-up: approx. 1 year

Dimensions

Approx. 650 x 265 x 256 mm (w/h/d)
(25 ⅝ x 10 ½ x 10 ⅛ inches) (incl. projecting parts)

Mass

Approx. 6.7 kg (14 lb. 12 oz) (incl. batteries)

Supplied accessory

AC power cord (1)
Remote control (1)

Design and specifications are subject to change without notice.

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

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.

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.

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

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

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

TABLE OF CONTENTS

SAFETY-RELATED COMPONENT WARNING!!

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

SECTION 1
SERVICING NOTES

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer : Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA (500 microampers). 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 0.75V, 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)

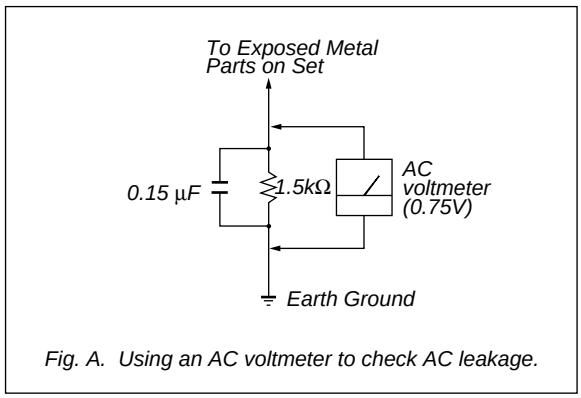
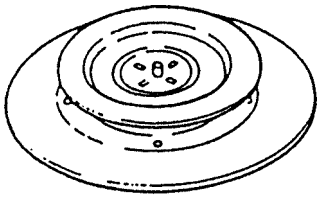


Fig. A. Using an AC voltmeter to check AC leakage.

CHUCK PLATE JIG ON REPAIRING

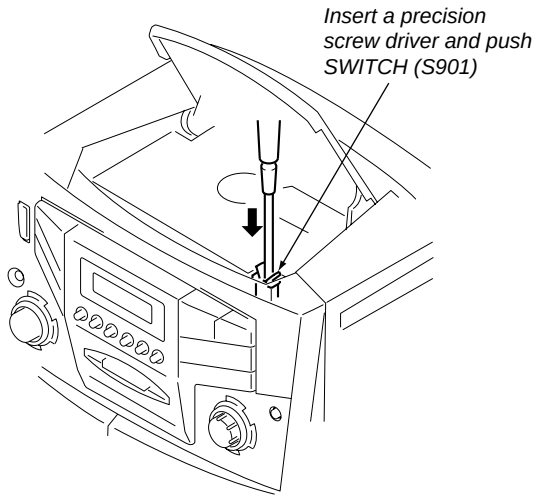
On repairing CD section, playing a disc without the CD lid, use Chuck Plate Jig.

• Code number of Chuck Plate Jig : X-4918-255-1



LASER DIODE AND FOCUS SEARCH OPERATION CHECK

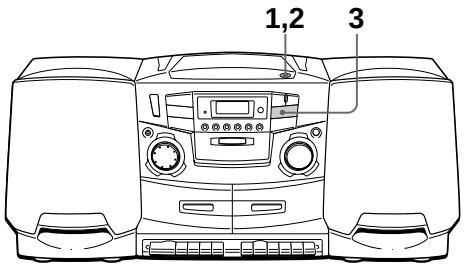
1. Turn on POWER button and press CD button to CD position.
2. Open the CD lid.
3. Turn on S901 as following figure.
4. Confirm the laser diode emission while observing the objecting lens. When there is no emission, Auto Power Control circuit or Optical Pick-up is broken.
   Objective lens moves up and down three for focus search.



SECTION 2
GENERAL

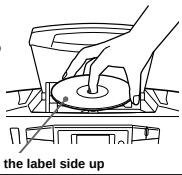
This section is extracted from instruction manual.

Playing a CD



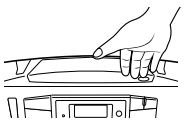
For hookup instructions, see pages 26 – 28.

1 Push ⏏ PUSH OPEN/CLOSE down to open the CD compartment and place the CD on the CD compartment.



With the label side up

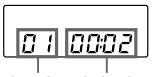
2 Close the lid of the CD compartment.



3 Press ►II.

The player turns on (direct power-on) and plays all the tracks once.

Display

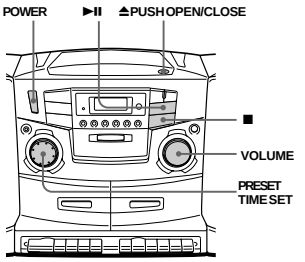


Track number Playing time

Tip

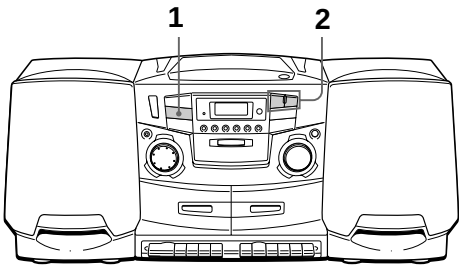
Next time you want to listen to a CD, just press ►II. The player turns on automatically and starts playing the CD.

Use these buttons for additional operations



To	Do this
adjust the volume	Turn VOLUME (Press VOL +, – on the remote).
stop playback	Press ■.
pause playback	Press ►II (II on the remote). Press the button again to resume play after pause.
go to the next track	Turn PRESET•TIME SET clockwise (Press ►►I on the remote).
go back to the previous track	Turn PRESET•TIME SET counterclockwise (Press I◄◄ on the remote).
remove the CD	Press ⏏ PUSH OPEN/CLOSE.
turn on/off the player	Press POWER.

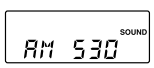
Listening to the radio



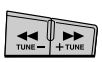
For hookup instructions, see pages 26 – 28.

1 Press RADIO BAND until the band you want appears in the display (direct power-on). Each time you press the button, the indication changes as follows: "FM1" → "FM2" → "AM".

Display

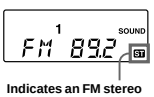


2 Hold down TUNE + or – until the frequency digits begin to change in the display.



The player automatically scans the radio frequencies and stops when it finds a clear station.

If you cannot tune in to a station, press the button repeatedly to change the frequency step by step.

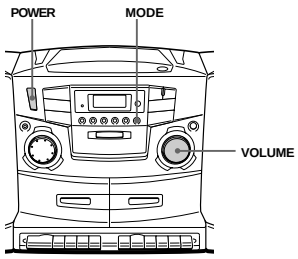


Indicates an FM stereo broadcast

Tips

- The "FM1" and "FM2" bands have the same functions. You can store the stations you want separately in "FM1" and "FM2".
- If the FM broadcast is noisy, press MODE until "Mono" appears in the display and radio will play in monaural.
- Next time you want to listen to the radio, just press RADIO BAND. The player turns on automatically and starts playing the previous station.

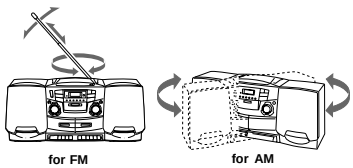
Use these buttons for additional operations



To	Do this
adjust the volume	Turn VOLUME (Press VOL +, – on the remote).
turn on/off the radio	Press POWER.

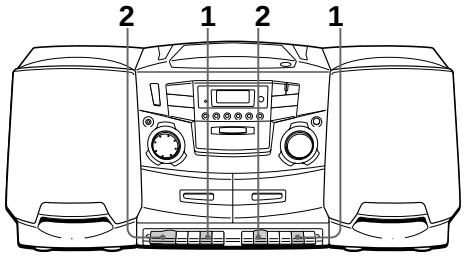
To improve broadcast reception

Reorient the antenna for FM. Reorient the player itself for AM.



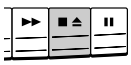
for FM for AM

Playing a tape

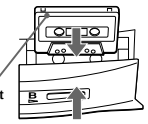


For hookup instructions, see pages 26 – 28.

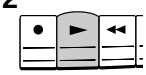
1



Press ■⏏ to open the tape compartment and insert a recorded tape. Use TYPE I (normal) tape only. Close the compartment.



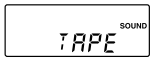
2



Press ►.

The player turns on (direct power-on) and starts playing.

Display



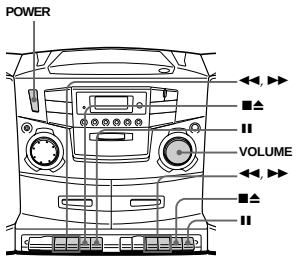
Note

During playback, do not press buttons on the other deck. Otherwise the playback speed may change.

Tip

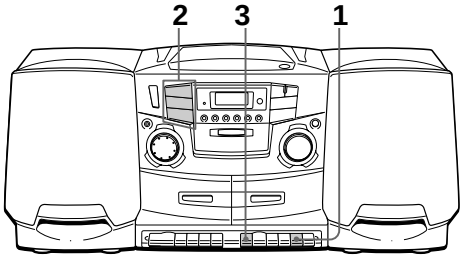
Next time you want to listen to a tape, just press ►. The player turns on automatically and starts playing the tape.

Use these buttons for additional operations



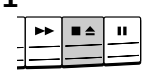
To	Do this
adjust the volume	Turn VOLUME (Press VOL +, – on the remote).
stop playback	Press ■⏏.
fast-forward or rewind the tape	Press ▶▶ or ◀◀.
pause playback	Press ❚❚. Press the button again to resume play after pause.
eject the cassette	Press ■⏏.
turn on/off the player	Press POWER.

Recording on a tape

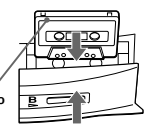


For hookup instructions, see pages 26 – 28.

1



Press ■⏏ to open the tape compartment on deck B and insert a blank tape. Use TYPE I (normal) tape only.

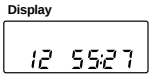


2

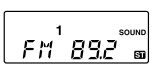
Select the program source you want to record.

To record from the CD player: insert a CD (see page 4) and press CD.

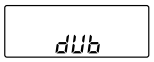
Display



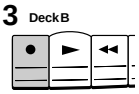
To record from the radio: tune in the station you want (see page 6).



To record from the tape (dubbing): insert a recorded tape into deck A and press TAPE until "dUb" appears in the display.



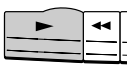
3 Deck B



Start recording.

To record from the CD player and the radio, press ● on deck B (► is depressed automatically).

Deck A

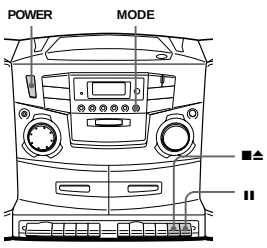


To record from the tape, press ● on deck B (► is depressed automatically). Then press ► on deck A.

Tips

- Adjusting the volume or the audio emphasis (see page 25) will not affect the recording level.
- For the best results, use the AC power as a power source.
- If the AM program makes a whistling sound after you've pressed ● in step 3, press MODE repeatedly until the noise at a minimum.

Use these buttons for additional operations



To	Press
stop recording	■⏏ on deck B
pause recording	❚❚ on deck B Press the button again to resume recording.
turn on/off the player	POWER

To erase a recording, proceed as follows:

1 Insert a tape whose recording you want to erase into deck B.
2 Press TAPE untill "TAPE" appears in the display.
3 Press ● on deck B.

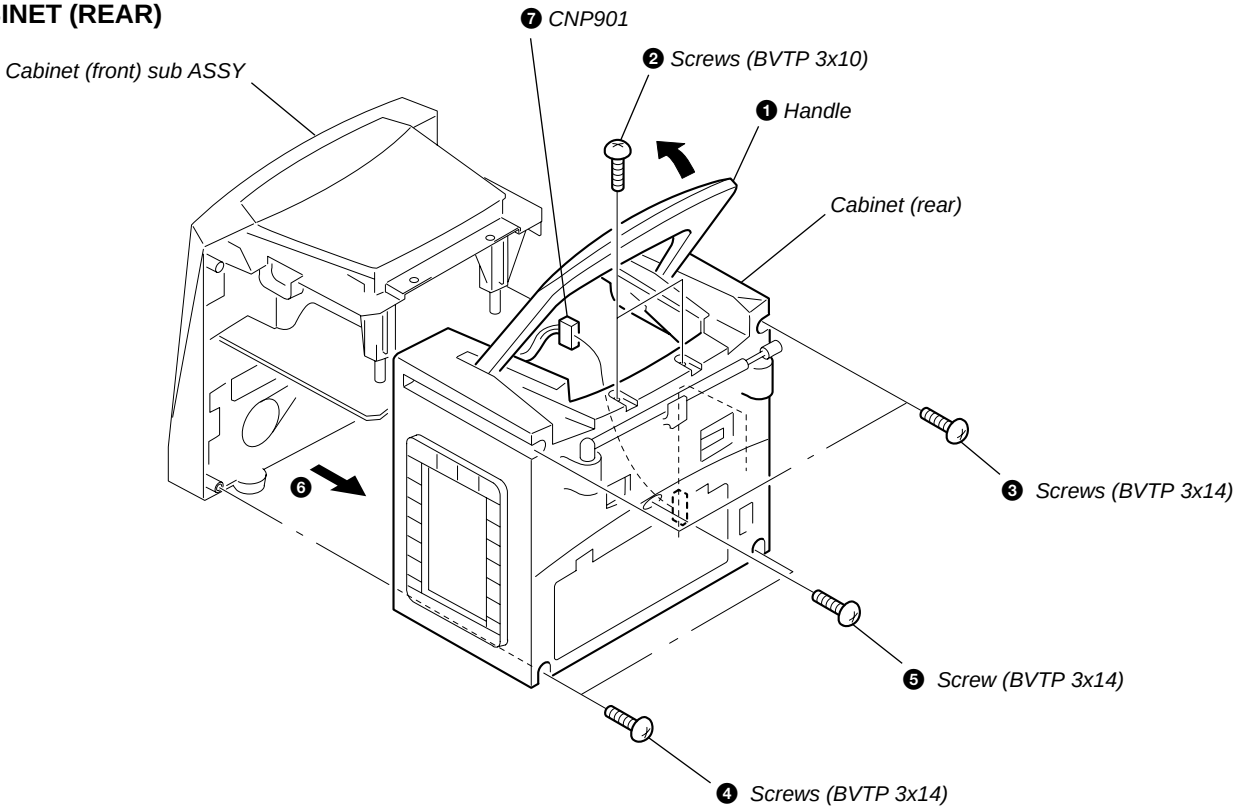
SECTION 3
DISASSEMBLY

● The equipment can be removed using the following procedure.

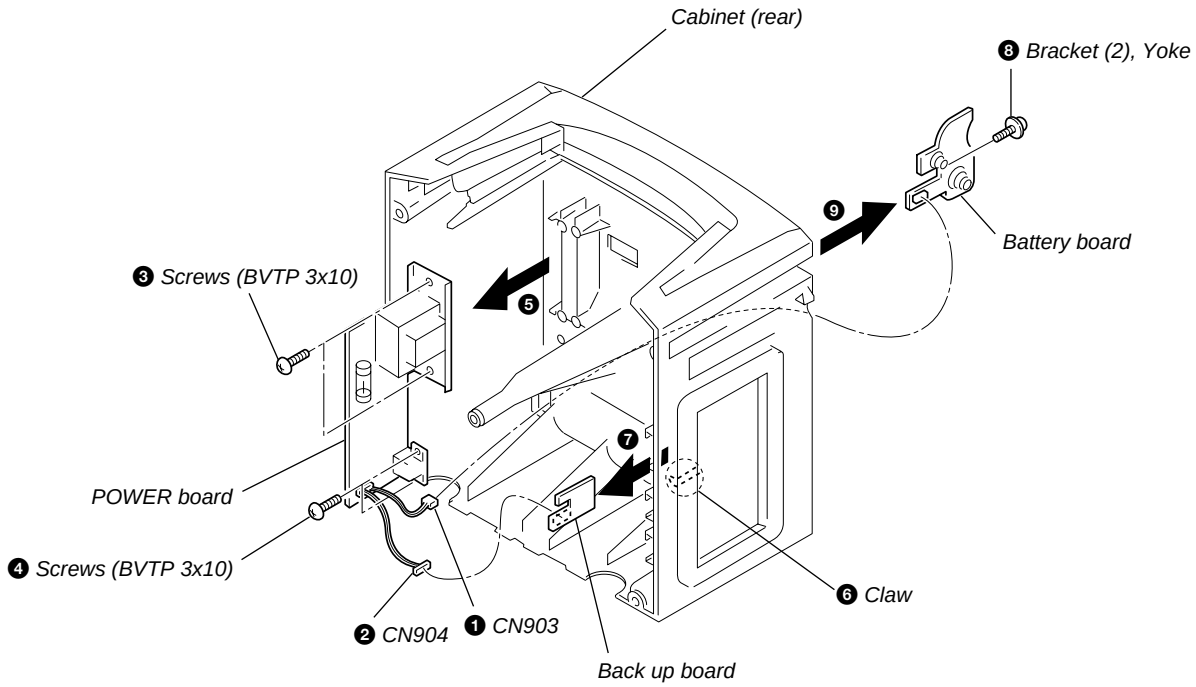
Set
- Cabinet (Rear) → Power board, Back up board, Battery board
- Cabinet (Front) sub ASSY
  - CD block ASSY
    - Control board
      - Power key board, Mega bass board, Preset board, Volume board
      - Key board
    - Headphone board
    - Main board → CD board → Optical pick-up block
  - REC SW board, PB board → Mechanism deck → Capstan/reel motor (M301), Belt

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

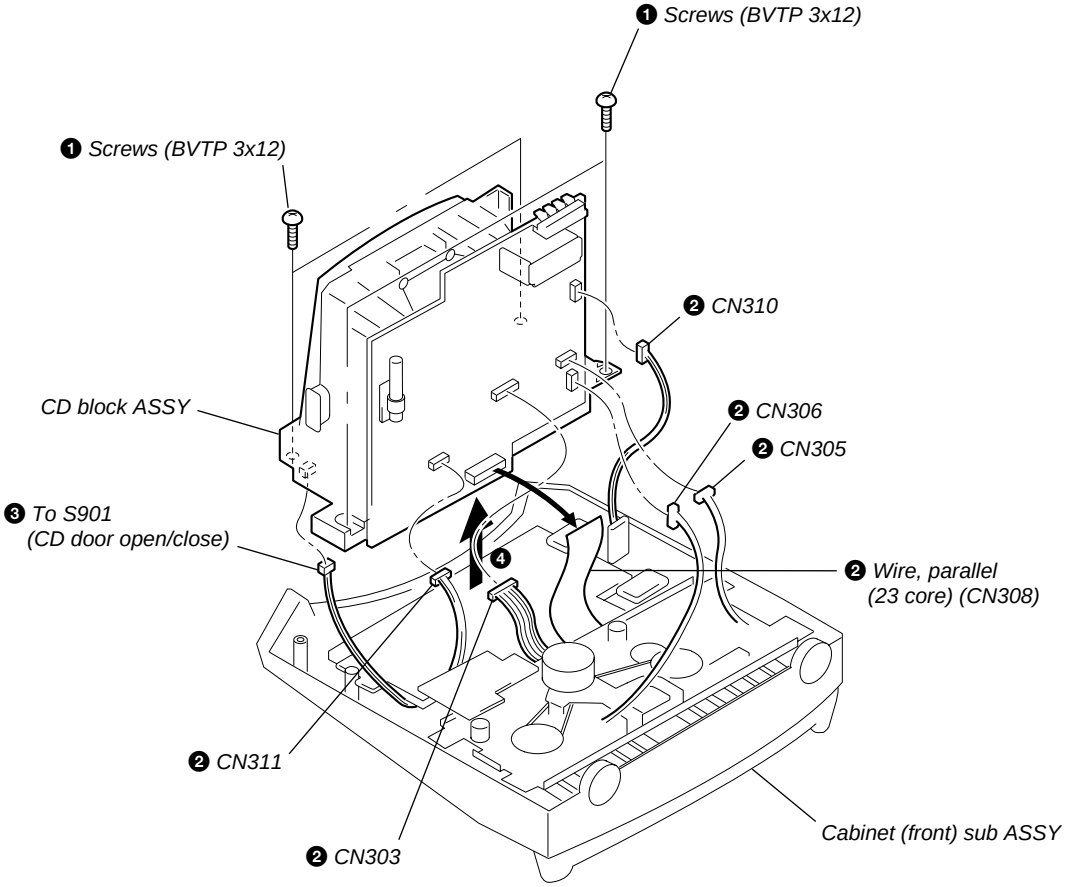
3-1. CABINET (REAR)



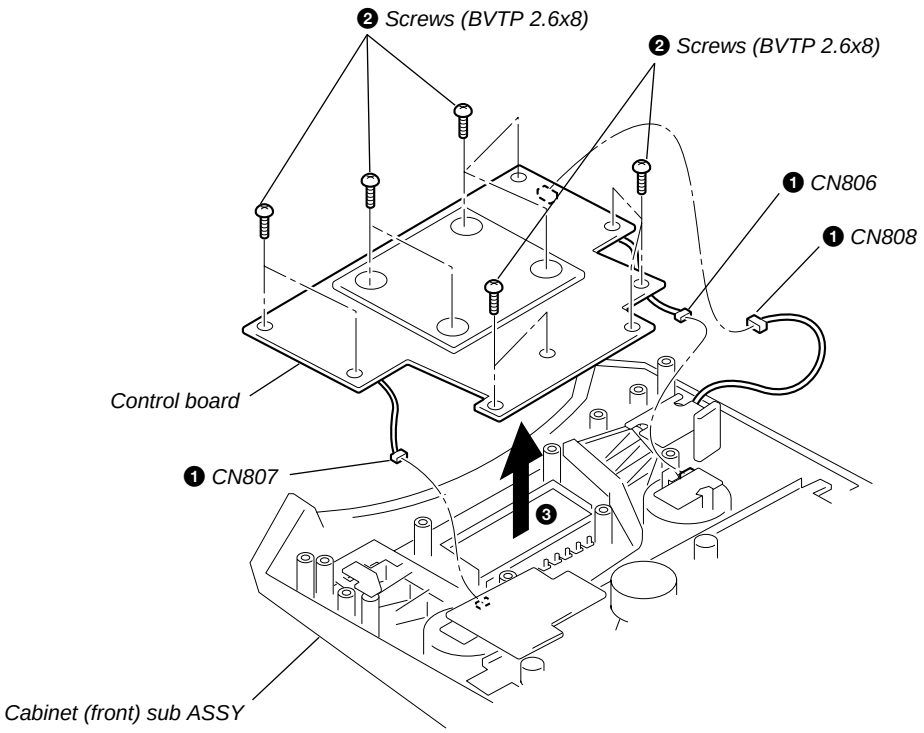
3-2. POWER BOARD, BACK UP BOARD, BATTERY BOARD



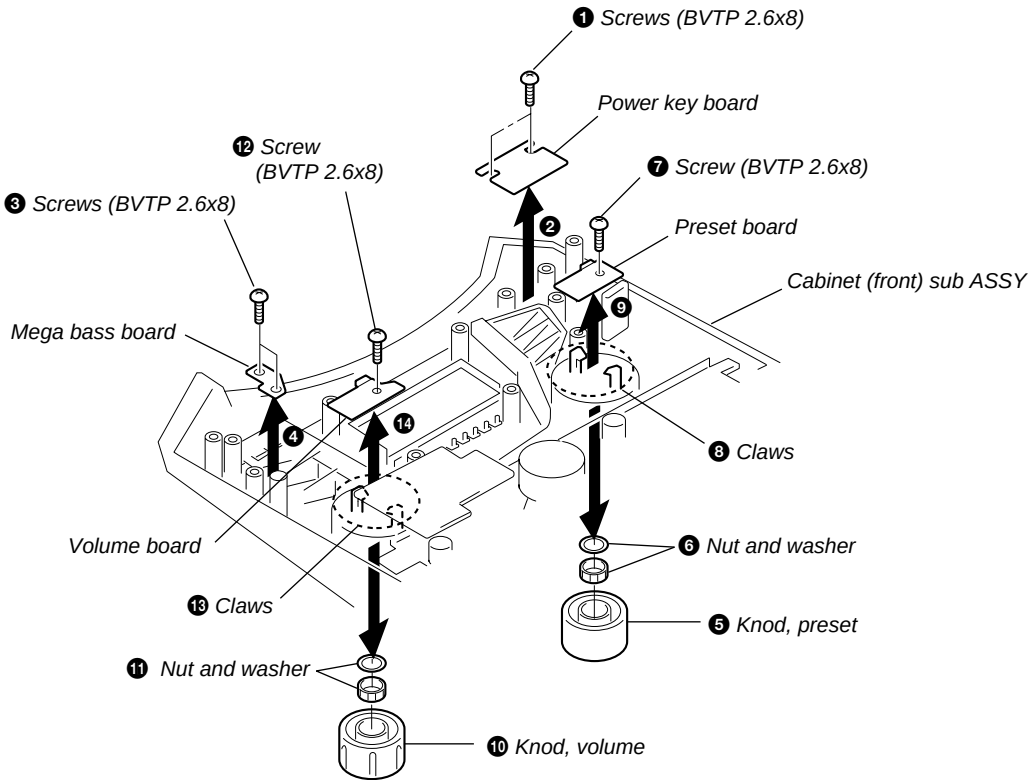
3-3. CD BLOCK ASSY



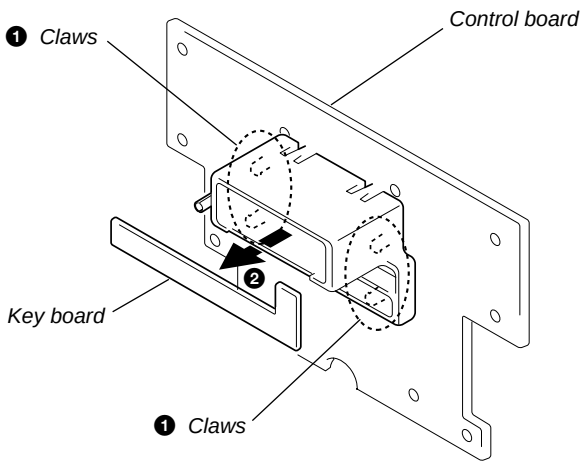
3-4. CONTROL BOARD



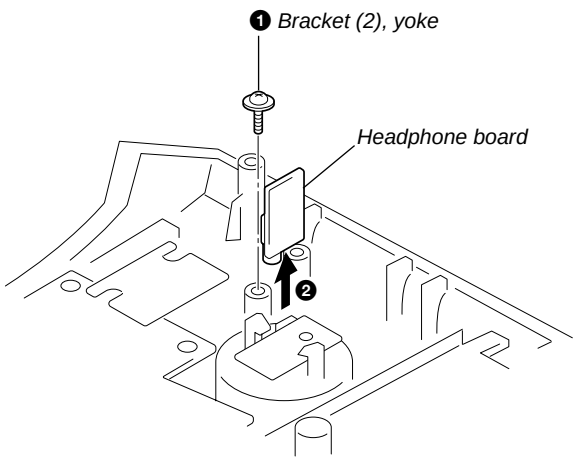
3-5. POWER KEY BOARD, MEGA BASS BOARD, PRESET BOARD, VOLUME BOARD



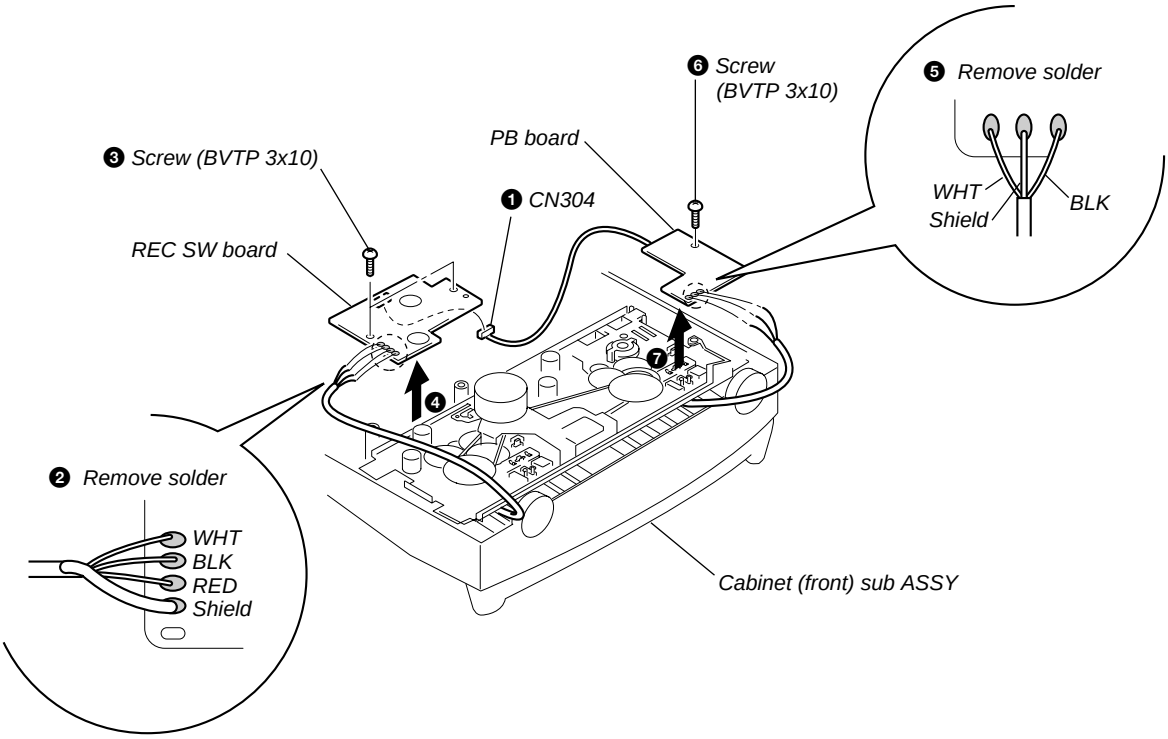
3-6. KEY BOARD



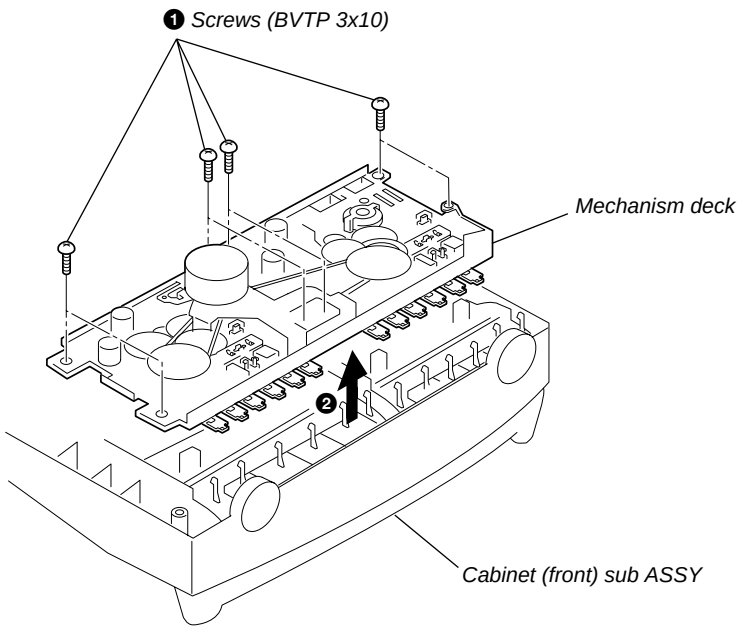
3-7. HEADPHONE BOARD



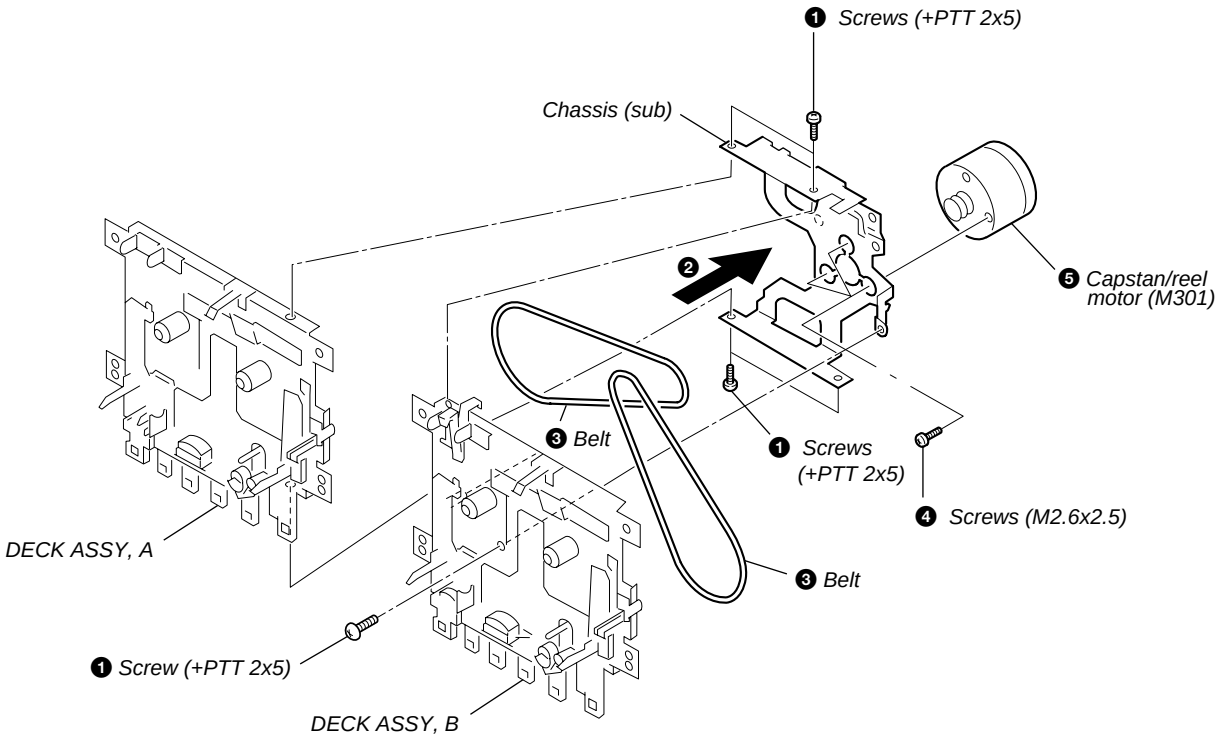
3-8. REC SW BOARD, PB BOARD



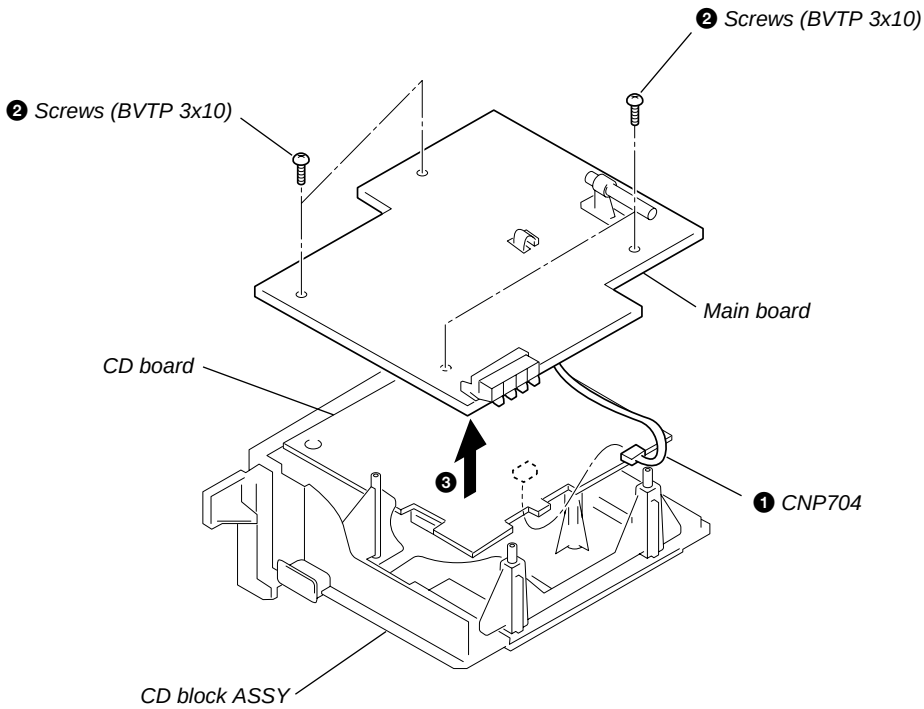
3-9. MECHANISM DECK



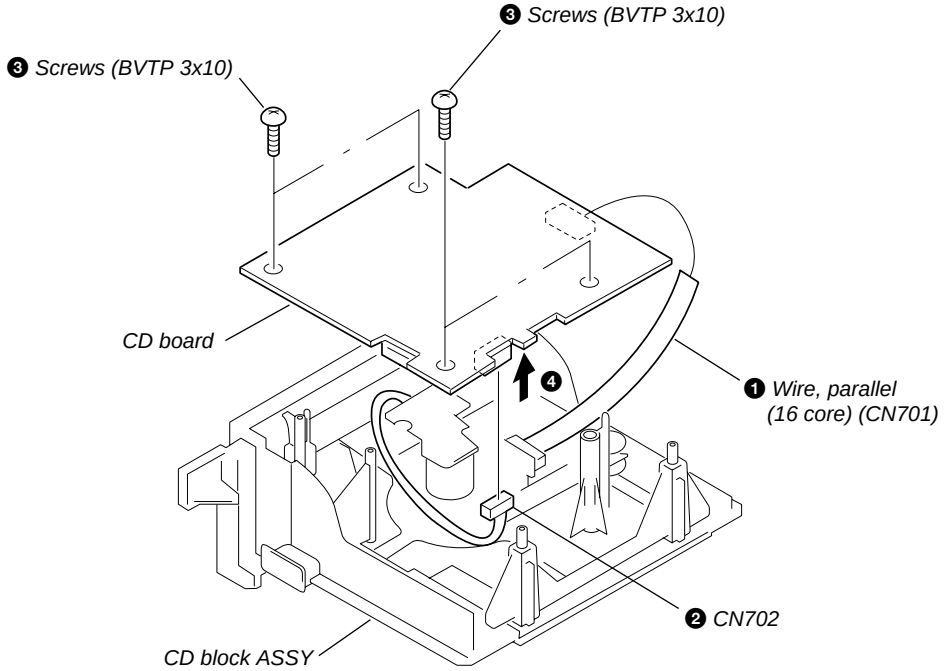
3-10. CAPSTAN/REEL MOTOR (M301), BELT



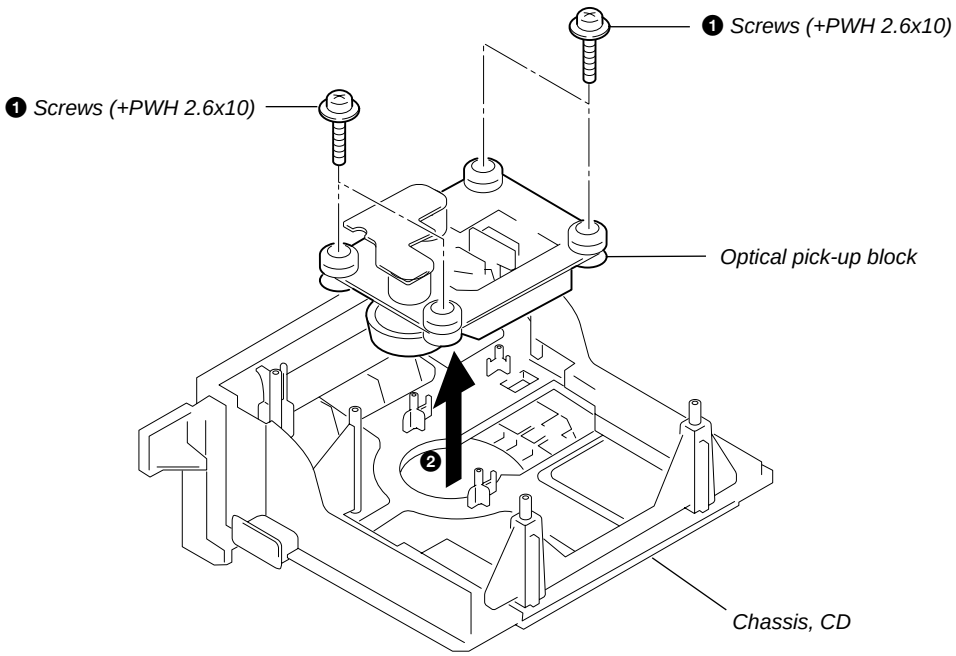
3-11. MAIN BOARD



3-12. CD BOARD



3-13. OPTICAL PICK-UP BLOCK



SECTION 4
ADJUSTMENTS

4-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab :
   record/playback head, erase head, capstan, pinch roller, rubber belt
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
   Do not use a magnetized screwdriver for the adjustments.
3. These measurement adjustment should be performed with the rated power supply voltage (9 V) unless otherwise noted.

Torque Measurement **DECK A** **DECK B**

Mode	Torque Meter	Meter Reading
Forward	CQ-102C	22.5 to 55 g • cm (0.32 to 0.76 oz• inch)
Forward back tension		2 to 5 g • cm (0.03 – 0.069 oz• inch)
Fast Forward and Rewind	CQ-201B	60 to 120 g • cm (0.84 – 1.66 oz• inch)

Tape Tension Measurement **DECK A** **DECK B**

Mode	Torque Meter	Meter Reading
Forward	CQ-403A	more than 150 g (more than 5.3 oz)

4-2. ELECTRICAL ADJUSTMENTS

TAPE SECTION 0 dB = 0.775V

Standard Output level

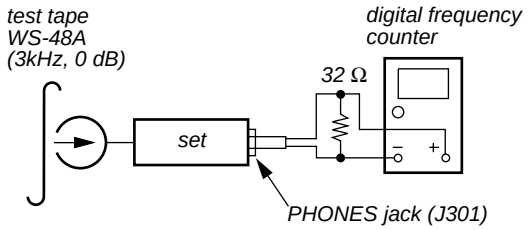
Outout terminal	SP OUT	PHONES OUT
load impedance	3.2 Ω	32 Ω
output signal level	0.775V (0dB)	0.25V (–10dB)

Test Tape

Type	Signal	Used for
WS-48A	3kHz, 0 dB	Tape Speed Adjustment

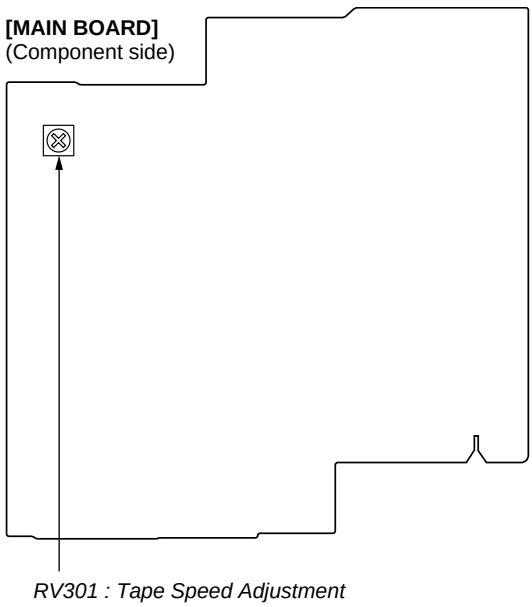
Tape Speed Adjustment **DECK A** **DECK B**

Procedure :



1. Playback WS-48A (tape center part) and adjust RV301 so that the frequency counter reading becomes 3,000Hz.
   Standard value : 2,985–3,015Hz
2. Playback WS-48A (tape top and end).
   Check that frequency counter reading is within 1.5% of the reading of step 1.

Adjustment Location :



RV301 : Tape Speed Adjustment

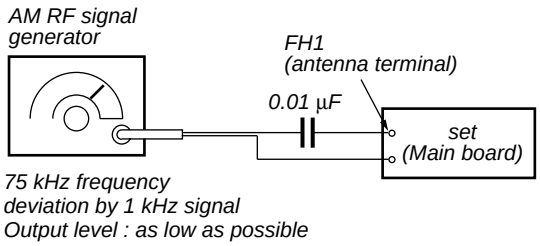
TUNER SECTION

0 dB = 1μV

• FM Section

Setting :

RADIO BAND button : FM

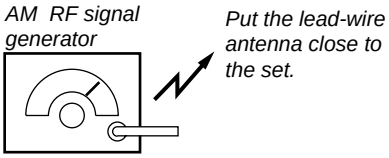


75 kHz frequency deviation by 1 kHz signal
Output level : as low as possible

• AM Section

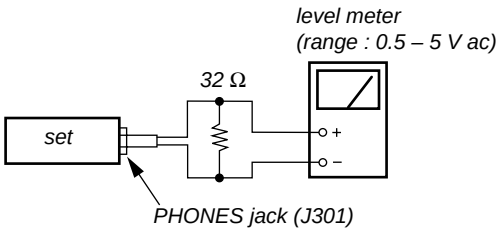
Setting :

RADIO BAND button : AM

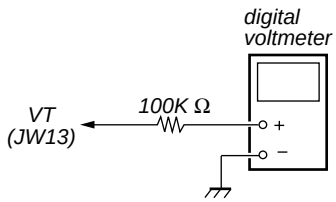


30% amplitude modulation by 400Hz signal.
Output level : as low as possible

• Connecting Level Meter (FM and AM)



• Connecting Digital Voltmeter (FM and AM)



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

AM IF ADJUSTMENT	
Adjust for a maximum reading on level meter.	
T1	450kHz

AM FREQUENCY COVERAGE ADJUSTMENT		
Adjust parts	Frequency display	Reading on digital voltmeter
L4	530kHz	Adjustment value : 0.8V Standard value : 0.76 – 0.84V
Confirmation	1,710kHz	Standard value : 4.4 – 5.2V

AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on level meter.	
L3	620kHz
CT2	1,400kHz

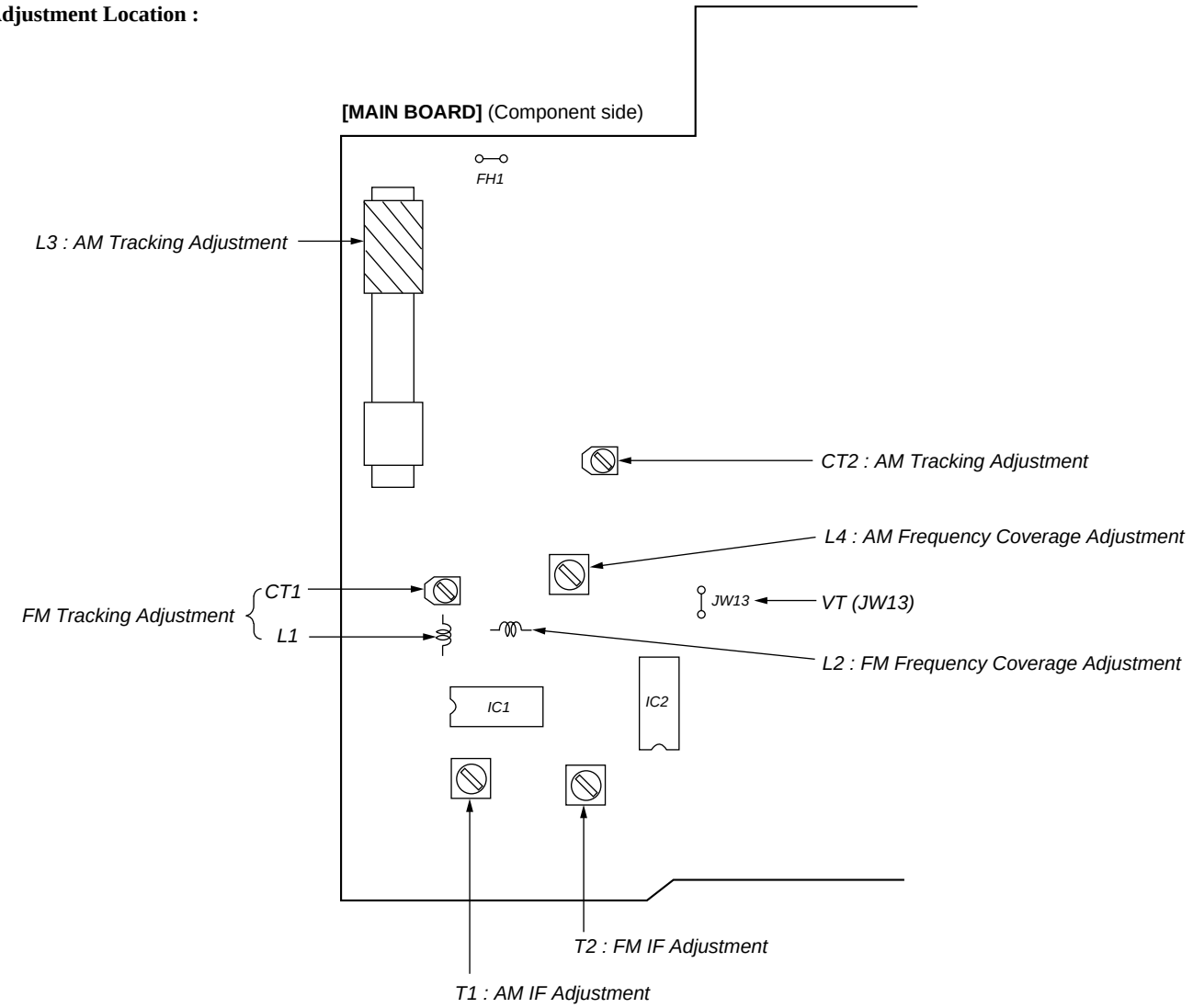
FM IF ADJUSTMENT	
Adjust for a maximum reading on level meter.	
T2	10.7MHz

FM FREQUENCY COVERAGE ADJUSTMENT		
Adjust parts	Frequency display	Reading on digital voltmeter
Confirmation	87.5MHz	Standard value : 1.5 – 2.1V
L2	108MHz	Adjustment value : 4.2V Standard value : 3.9 – 4.5V

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on level meter.	
L1	87.5MHz
CT1	108MHz

Adjustment Location : Main board (See page 14)

Adjustment Location :



CD SECTION

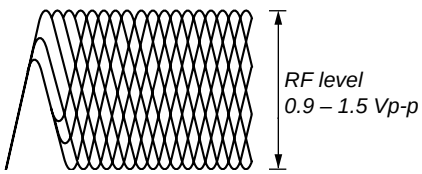
CD section adjustments are done automatically in this set.
In case of operation check, confirm that focus bias.

Focus Bias Check

1. Connect the oscilloscope between IC701 ㉝ pin (RFO) and ㊶ pin (VC) on CD board.
2. Insert the disc (YEDS-18). (Part No. : 3-702-101-01)
3. Press the ▶II button.
4. Confirm that the oscilloscope waveform is as shown in the figure below. (eye pattern)
   A good eye pattern means that the diamond shape (◊) in the center of the waveform can be clearly distinguished.

- RF Signal Reference Waveform (eye pattern)

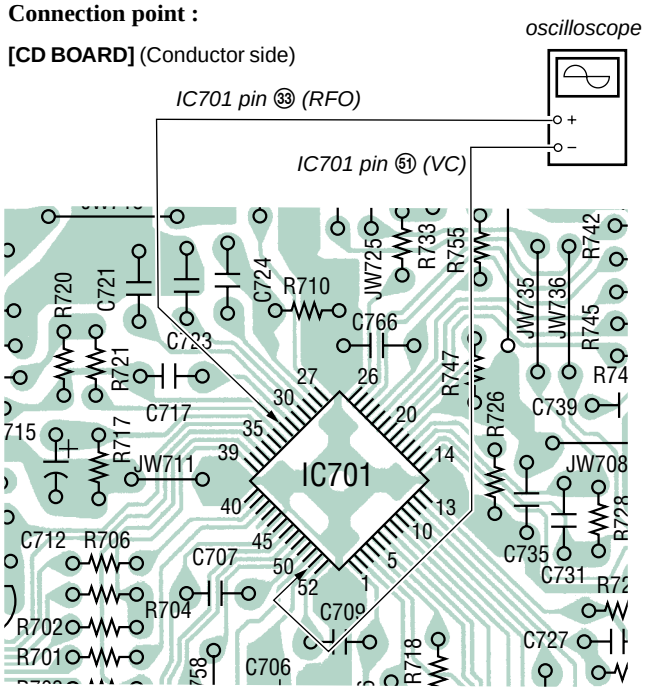
VOLT/TV : 200mV (10 : 1 probe in use)
TIME/DIV : 500 nS



When observing the eye pattern, set the oscilloscope for AC range and raise certical sensitivity

Connection point :

[CD BOARD] (Conductor side)



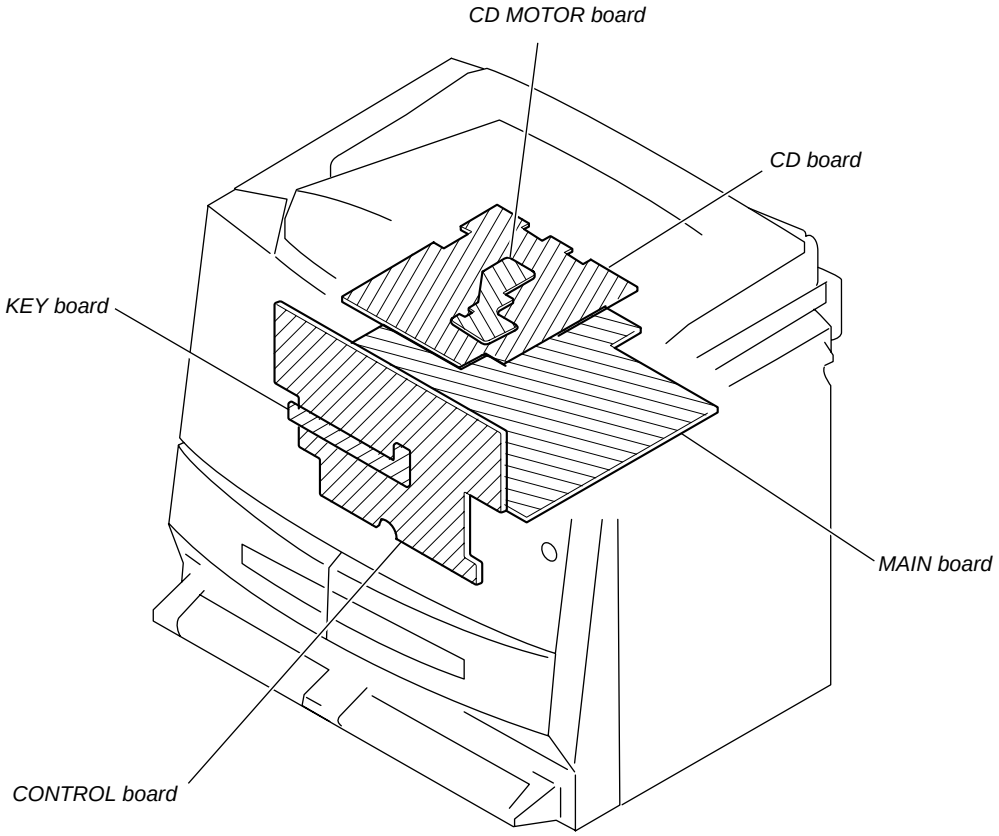
SECTION 5
DIAGRAMS

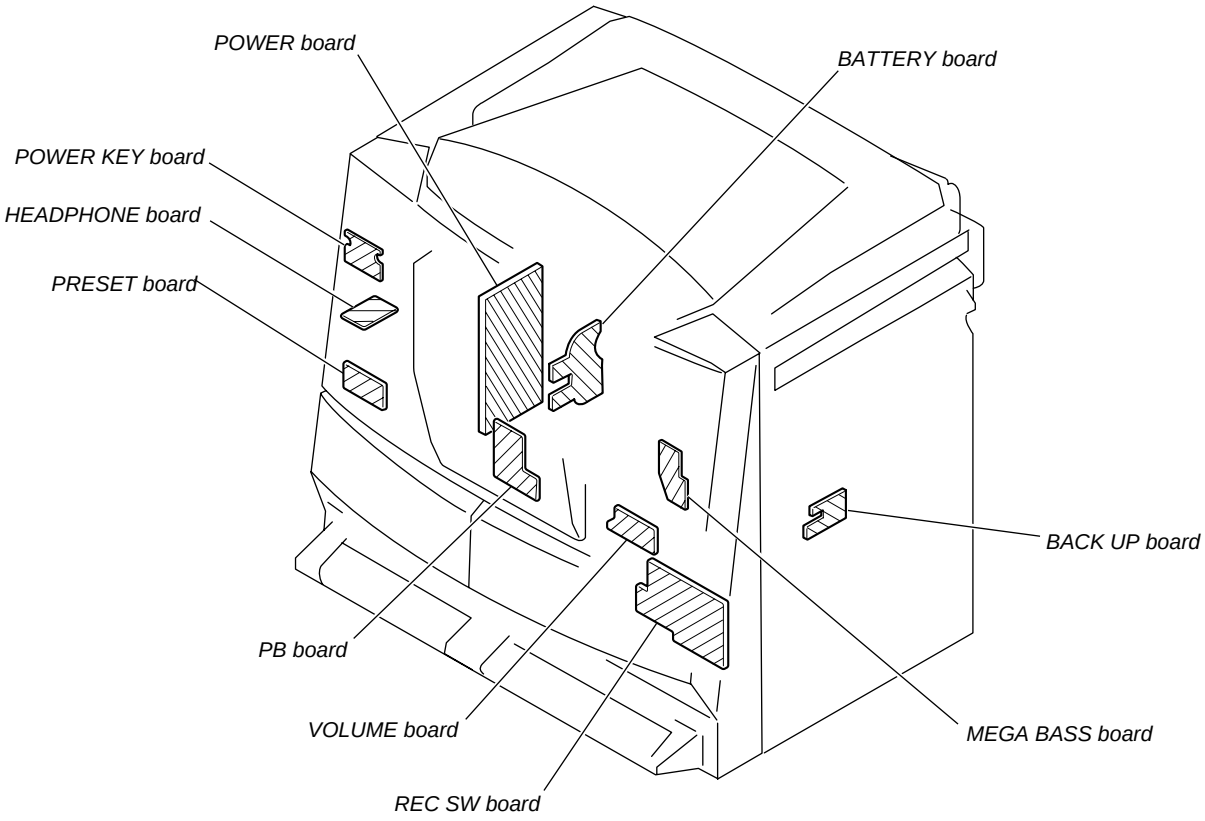
5-1. EXPLANATION OF IC TERMINALS

IC801 CXP83516-606Q (SYSTEM CONTROL)

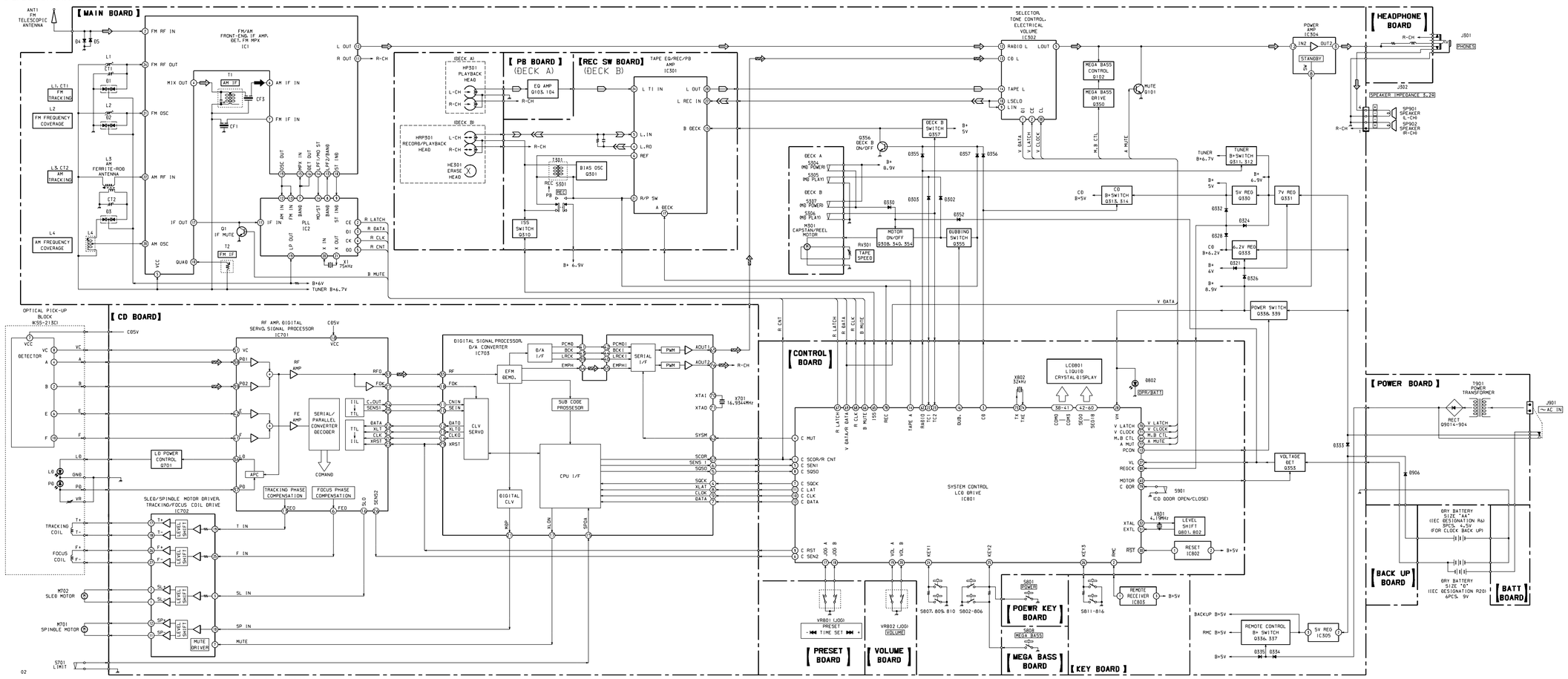
Pin No.	Pin name	I/O	Description
1	C-SCOR/R-CNT	I	CD SCOR input.
2	RMC	I	Sircs receiver input.
3	CD	O	CD function output.
4	C-MUT	O	CD block mute output.
5	C-SEN1	I	CD SENSE-1 input.
6	C-SEN2	I	CD SENSE-2 input.
7	C-SQCK	O	CD Sub-Q read clock output.
8	C-SQSO	I	CD Sub-Q data input.
9	C-RST	O	CD reset output.
10	C-CLK	O	CD serial clock output.
11	C-LAT	O	CD serial latch output.
12	C-DATA	O	CD serial data output.
13	PCON	O	System power control output.
14	TAPE A	O	DECK A select signal output.
15	TAPE B	O	DECK B select signal output.
16	DUB.	O	Dubbing ON signal output.
17	JOG A	I	Preset JOG switch input.
18	JOG B	I	Preset JOG switch input.
19	VOL A	I	Volume JOG switch input.
20	VOL B	I	Volume JOG switch input.
21	PORT OUT	O	Pull up voltage output.
22	TC1	I	Deck A tape play switch input.
23	TC2	I	Deck B tape play switch input.
24 – 26	KEY-1 – 3	I	Key input.
27	VL	I	Battery Low detect input.
28	VH	I	Battery High detect input.
29	INT/SFT-CLK	O	Shift clock output.
30	$\overline{\text{RST}}$	I	System reset input.
31	EXTL	I	Oscillation input (4.19 MHz).
32	XTAL	O	Oscillation output (4.19 MHz).
33	VSS	—	GND.
34	VL	O	LCD drive port ON/OFF output.
35 – 37	VLC-3 – 1	O	LCD drive voltage terminal.
38 – 41	COM0 – 3	O	LCD drive common output.
42 – 60	SEG0 – 18	O	LCD drive segment output.
61	NC	—	Not used.
62	RADIO	O	Radio B+ ON output.
63	MOTOR	O	Motor B+ ON output.
64	M.B CTL	O	Mega bass ON/OFF output.
65	ISS	O	ISS swithing output.
66	B-MUTE	O	Tuner mute signal output
67	R-LATCH	O	Tuner latch output.
68	R-CLK	O	Tuner clock output.
69	V-DATA/R-DATA	O	Tuner data output/volume data output.
70	V-LATCH	O	Volume latch output.
71	V-CLOCK	O	Volume clock output.
72	VDD	—	Power supply pin (+5 V).
73	TX	O	Oscillation output (32.768 kHz).
74	TXE	I	Oscillation input (32.768 kHz).
75	NC	—	Not used (OPEN).
76	NC	—	Not used (OPEN).
77	A-MUT	O	Audio mute output.
78	REC	I	Tape record signal input.
79	C-DOR	I	CD door open/close switch input.
80	REGCK	I	Regulator check.

● **Circuit Boards Location**





5-2. BLOCK DIAGRAMS



5-3. SCHEMATIC DIAGRAM (MAIN SECTION)

● Refer to page 40 – 41 for IC Block Diagrams.

● Waveforms (MAIN SECTION)

① 247mVp-p, 75kHz
IC2 ㉑ (X-OUT) VOLT/DIV : 0.1 V AC, TIME/DIV : 20 µsec

② 31.4Vp-p, 19.45µsec
T301 ATT : 1/10, VOLT/DIV : 1 V AC, TIME/DIV : 5 µsec

③ 3.4Vp-p, 19.45µsec
Q301 Ⓒ VOLT/DIV : 1 V AC, TIME/DIV : 5 µsec

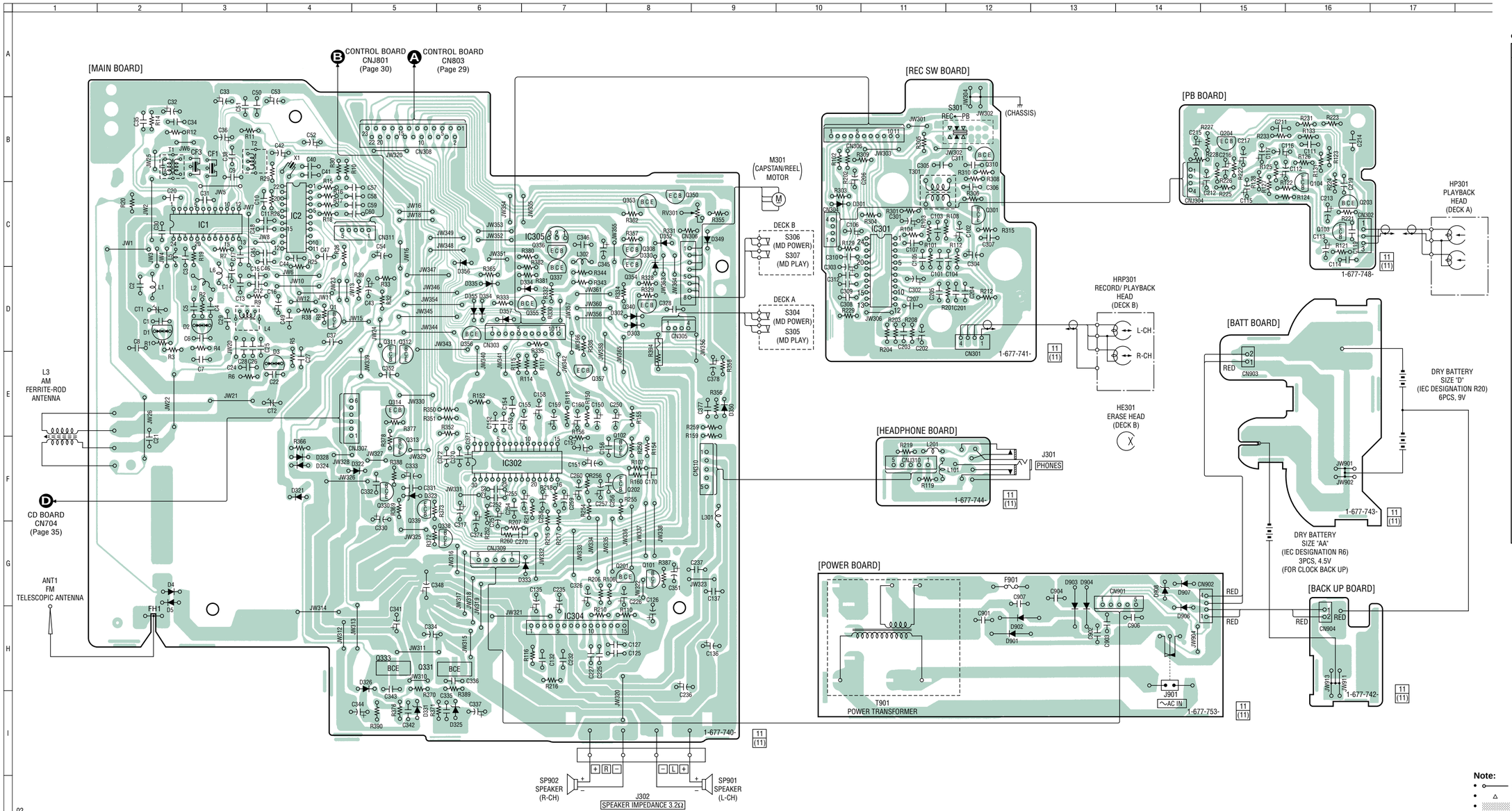
Note:
- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- △ : internal component.
- : fusible resistor.

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

- B+ : B+ Line.
- : adjustment for repair.
- Power voltage is dc 9 V and fed with regulated dc power supply from battery terminal.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions. no mark : FM (RADIO SECTION), TAPE PLAY (TAPE SECTION) ( ) : AM (RADIO SECTION), REC (TAPE SECTION)
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  - : FM
  - : AM
  - : PB (DECK B)
  - : REC (DECK B)
  - : PB (DECK A)
  - : CD

5-4. PRINTED WIRING BOARDS (MAIN SECTION)

● Refer to page 16 Circuit Boards Location.



● Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D1	D-2	Q1	D-4
D2	D-3	Q101	G-8
D3	E-4	Q102	F-8
D4	G-2	Q103	C-16
D5	G-2	Q104	C-16
D301	C10	Q201	G-8
D302	D-8	Q202	F-8
D303	D-8	Q203	C-16
D321	F-4	Q204	B-15
D322	F-5	Q301	C-12
D323	F-5	Q308	C-8
D324	F-4	Q310	B-12
D325	I-6	Q311	D-5
D326	H-5	Q312	D-5
D328	F-4	Q313	F-5
D330	C-8	Q314	E-5
D331	I-5	Q330	F-5
D333	G-7	Q331	H-6
D334	D-7	Q333	H-5
D335	D-6	Q336	C-7
D349	C-9	Q337	D-7
D350	E-9	Q338	G-6
D352	C-8	Q339	F-5
D354	D-6	Q340	D-8
D355	D-6	Q350	C-8
D356	C-6	Q353	C-8
D357	D-6	Q354	D-8
D901	H-12	Q355	D-7
D902	H-12	Q356	D-6
D903	G-13	Q357	E-7
D904	G-13		
D906	H-14		
D907	G-14		
D908	G-14		
IC1	C-3		
IC2	C-4		
IC301	C-11		
IC302	F-6		
IC304	H-7		
IC305	C-7		

Note:

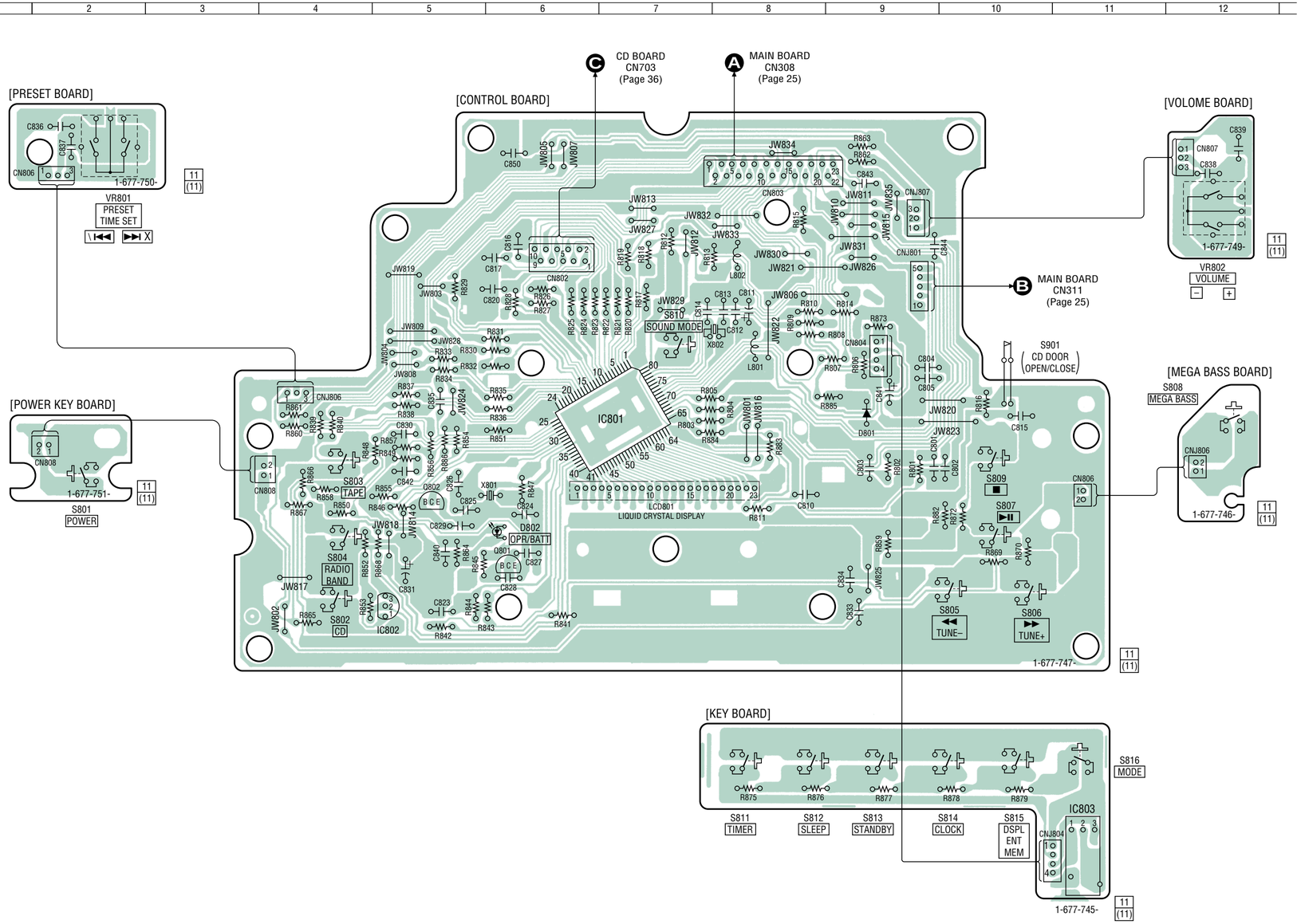
- ○——— : parts extracted from the component side.
- △ : internal component.
- ▒▒▒ : Pattern from the side which enables seeing.

5-5. PRINTED WIRING BOARDS (CONTROL SECTION)

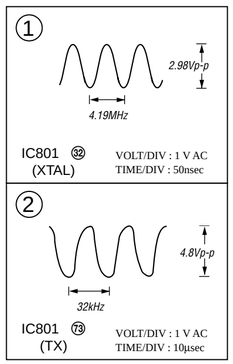
● Refer to page 16 Circuit Boards Location.

● **Semiconductor Location**

Ref. No.	Location
D801	D-9
D802	E-6
IC801	D-7
IC802	F-5
IC803	H-11
Q801	E-6
Q802	E-5



● **Waveforms (CONTROL SECTION)**



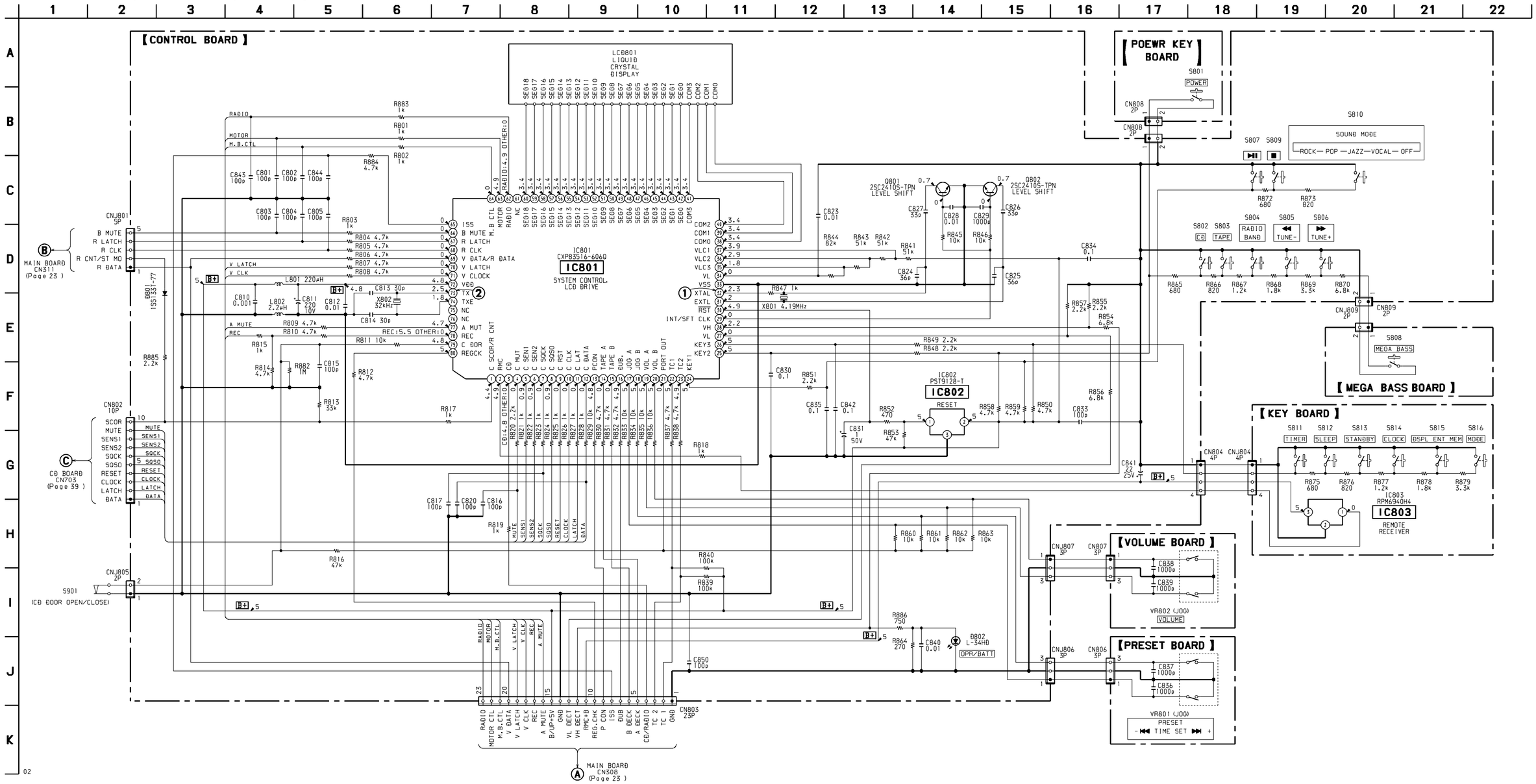
Note on Schematic Diagram: Control Section

Note:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- B+ : B+ Line.
- Power voltage is dc 9 V and fed with regulated dc power supply from battery terminal.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.

Note:

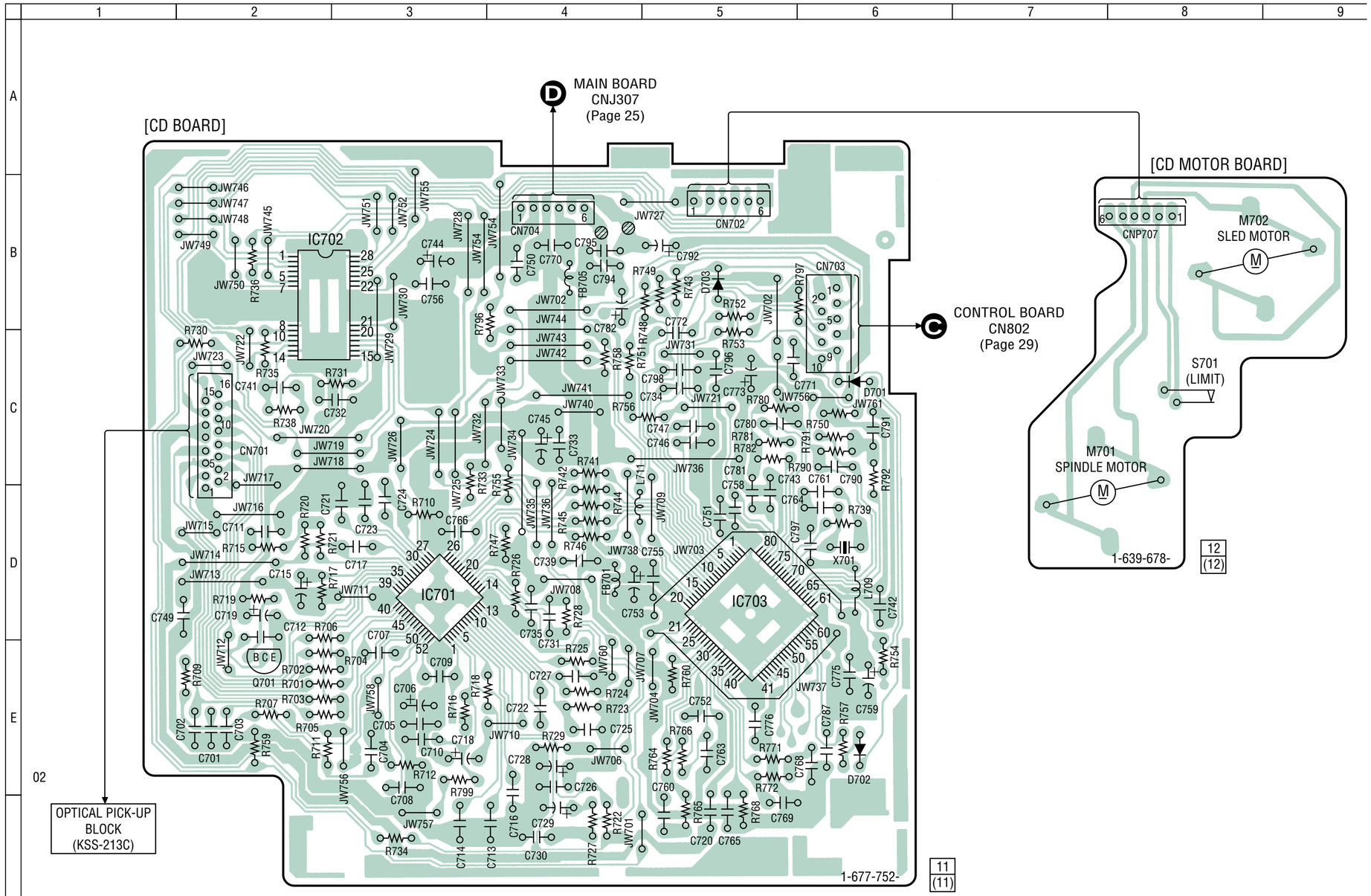
- ○—— : parts extracted from the component side.
- ▒▒▒ : Pattern from the side which enables seeing.


【CONTROL BOARD】
【POEWR KEY BOARD】
【MEGA BASS BOARD】
【KEY BOARD】
【VOLUME BOARD】
【PRESET BOARD】
IC801
CXP85516-6060
SYSTEM CONTROL, LCD DRIVE
IC802
PST9128-T
RESET
IC803
RPM6940H4
REMOTE RECEIVER
Q801
2SC2410S-TPN
LEVEL SHIFT
Q802
2SC2410S-TPN
LEVEL SHIFT
X801 4.19MHz
X802 32kHz
D801
1SS133-77
D802
L-34HD
PWR/BATT
S801
POWER
S810
SOUND MODE
ROCK— POP —JAZZ—VOCAL— OFF
S807 S809
S802 S803
CD TAPE
S804 S805 S806
RADIO BAND
TUNE-
TUNE+
S808
MEGA BASS
S811 S812 S813 S814 S815 S816
TIMER SLEEP STANDBY CLOCK DSPL ENT MEM MODE
VR802 (JOG)
VOLUME
VR801 (JOG)
PRESET
TIME SET
CN803 23P
CN804 4P
CN806 3P
CN807 3P
CN808 2P
CN809 2P
CNJ801 5P
CNJ804 4P
CNJ805 2P
CNJ806 3P
CNJ807 3P
CNJ809 2P
CN802 10P
MAIN BOARD CN311 (Page 23)
CD BOARD CN703 (Page 39)
S901 (CD DOOR OPEN/CLOSE)
MAIN BOARD CN308 (Page 23)
B MUTE
R LATCH
R CLK
R CNT/ST MO
R DATA
V LATCH
V CLK
A MUTE
REC
SCOR
MUTE
SENS1
SENS2
SOCK
SQSO
RESET
CLOCK
LATCH
DATA
RADIO
MOTOR
M.B.CTL
V DATA
V LATCH
V CLK
REC
A MUTE
B/UP+5V
GND
VL DECT
VH DECT
RMC+B
REG.CHK
P CON
ISS
DUB
B DECK
A DECK
CD/TAPE I/O
TC 1
TC 2
GND

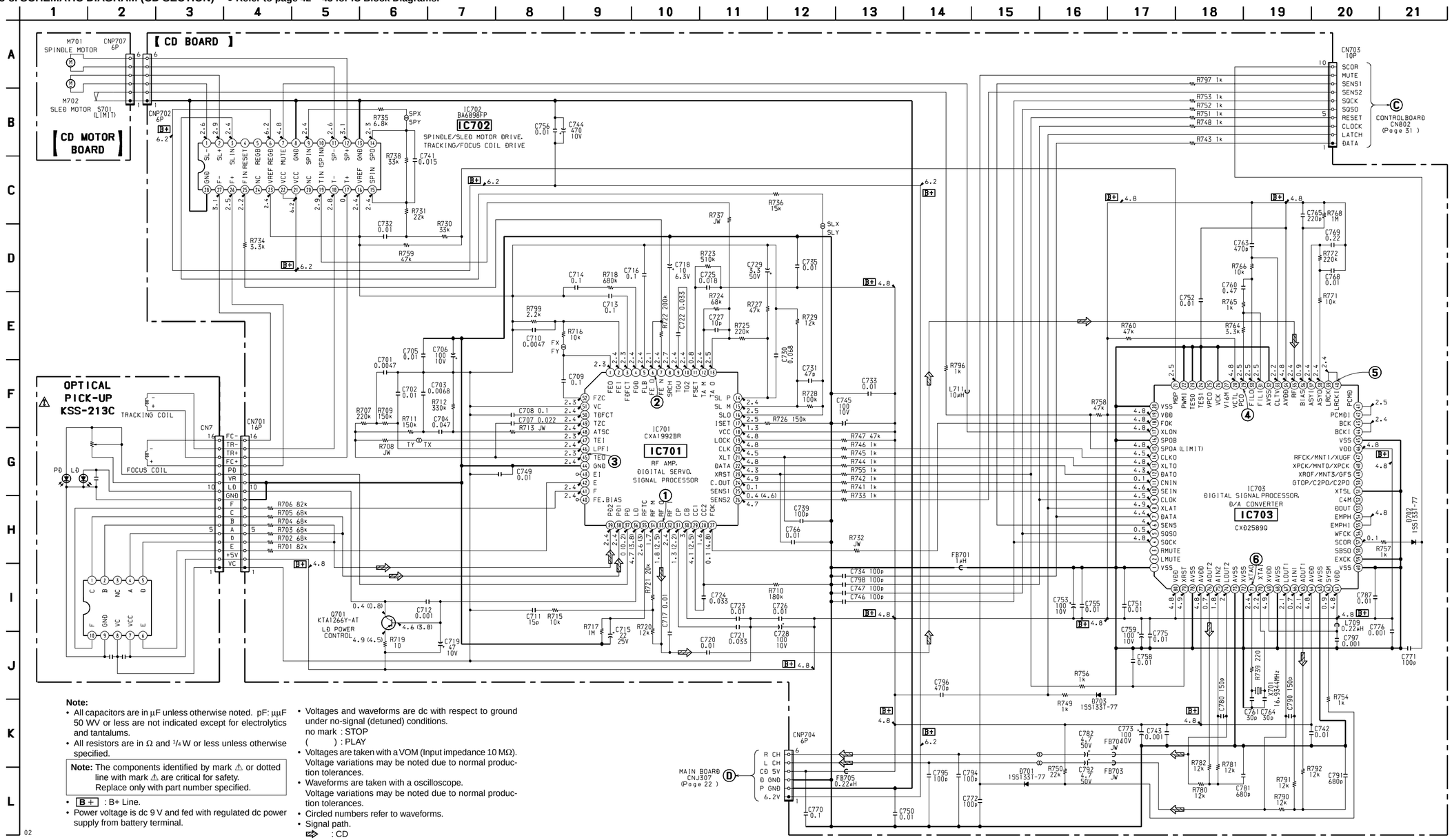
5-7. PRINTED WIRING BOARDS (CD SECTION) ● Refer to page 16 Circuit Boards Location.

● **Semiconductor Location**

Ref. No.	Location
D701	C-6
D702	E-6
D703	B-5
IC701	D-3
IC702	B-2
IC703	D-5
Q701	E-2



Note:
- ○—— : parts extracted from the component side.
- ▒▒▒ : Pattern from the side which enables seeing.



Note:

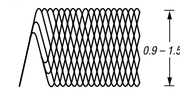
- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.

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

- B+ : B+ Line.
- Power voltage is dc 9 V and fed with regulated dc power supply from battery terminal.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : STOP
  ( ) : PLAY
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : CD

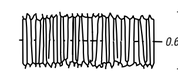
● **Waveforms (CD SECTION)**

① (PLAY MODE)



IC701 (33) (RFO) VOLT/DIV : 0.5 V AC TIME/DIV : 1 µsec

② (PLAY MODE)



IC701 (6) (FEO) VOLT/DIV : 1 V AC TIME/DIV : 1 msec

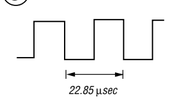
③ (PLAY MODE)

IC701 (45) (TEO) VOLT/DIV : 20mV AC TIME/DIV : 1 msec

④

IC703 (29) (PCO) VOLT/DIV : 0.5 V AC TIME/DIV : 5 µsec

⑤



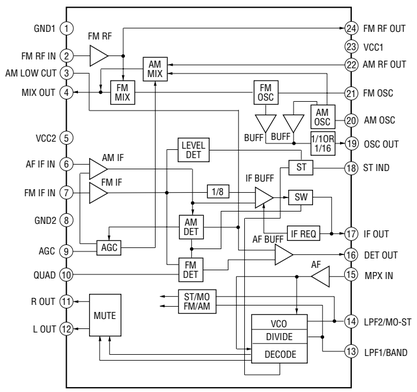
IC703 (39), (40) (LRCK) VOLT/DIV : 1 V AC TIME/DIV : 5 µsec

⑥

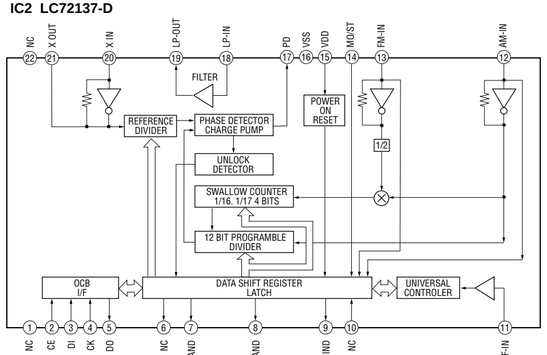
IC703 (71) (XTAO) VOLT/DIV : 0.5V AC TIME/DIV : 20 nsec

● IC Block Diagrams (MAIN SECTION)

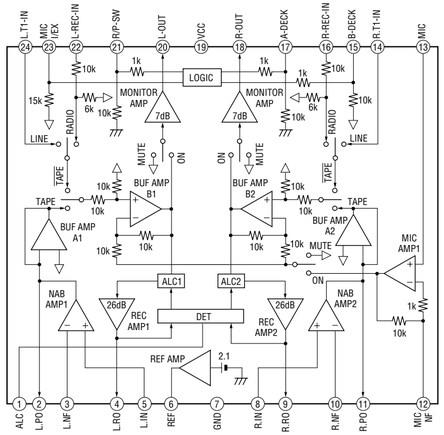
IC1 TA2149N



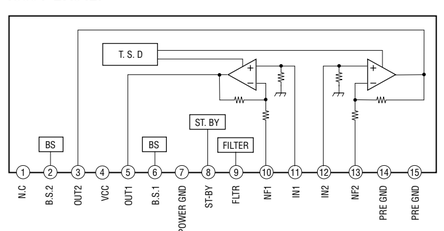
IC2 LC72137-D



IC301 TA2068N

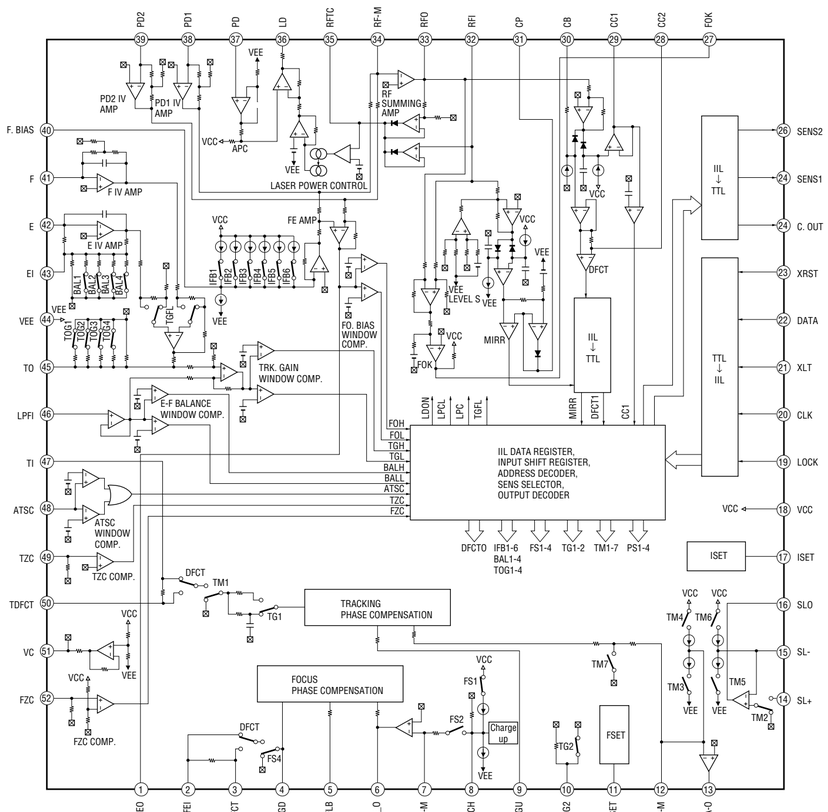


IC304 BA5417

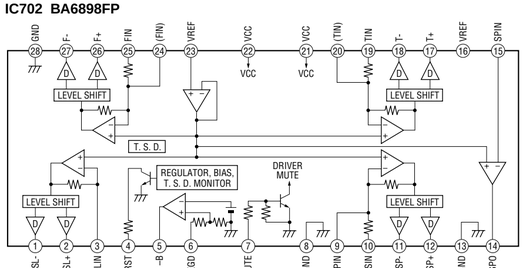


● IC Block Diagrams (CD SECTION)

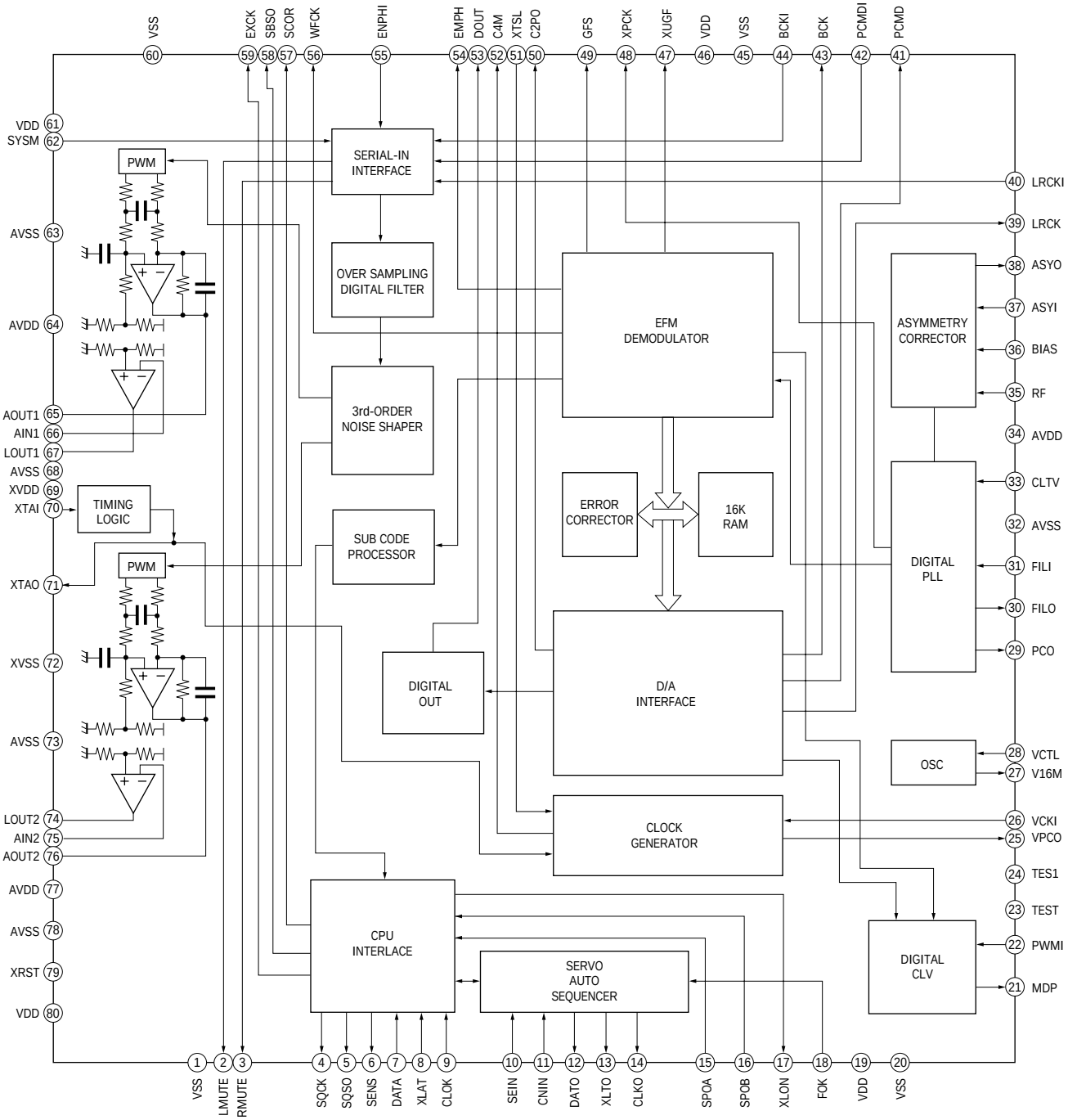
IC701 CXA1992BR



IC702 BA6898FP



IC703 CXD2589Q



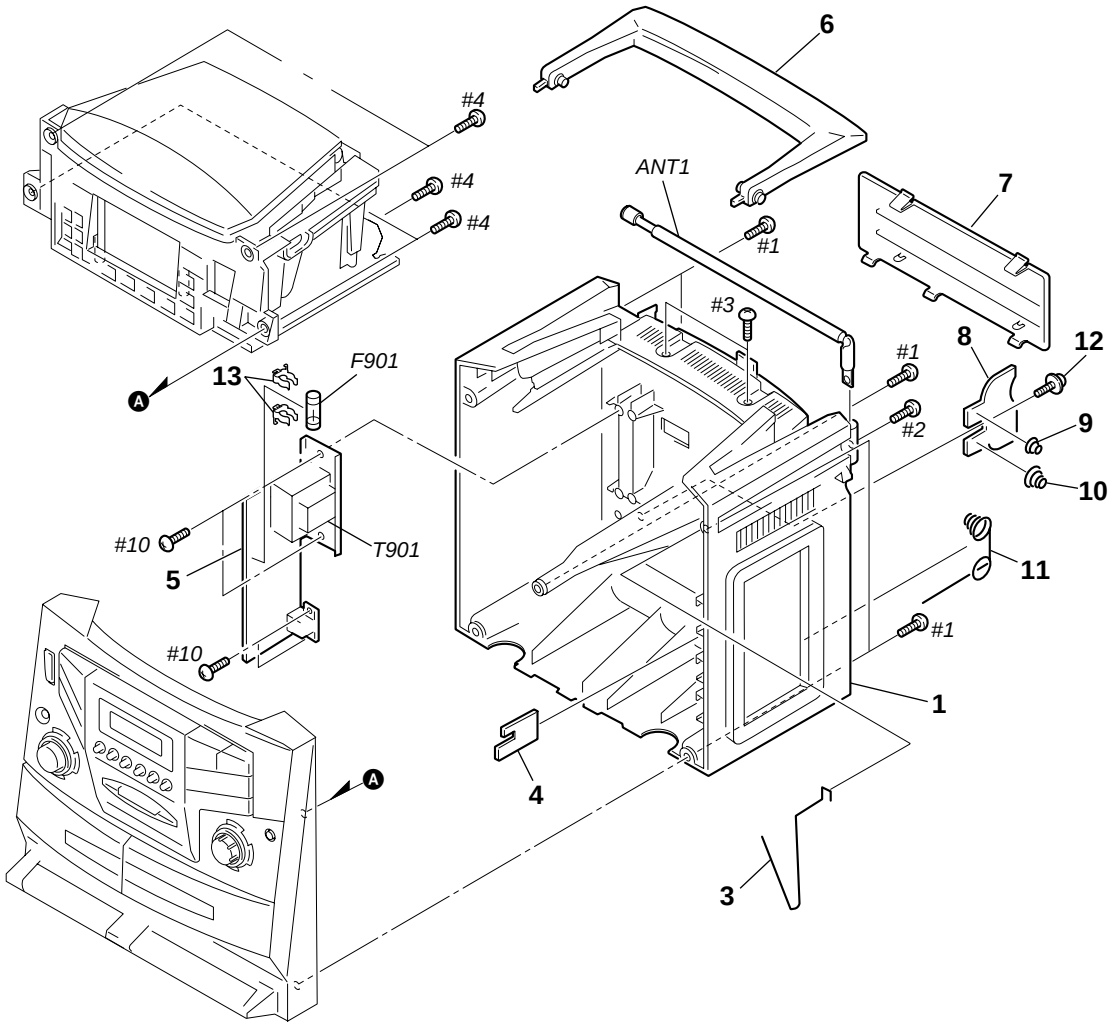
SECTION 6
EXPLODED VIEWS

NOTE :

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

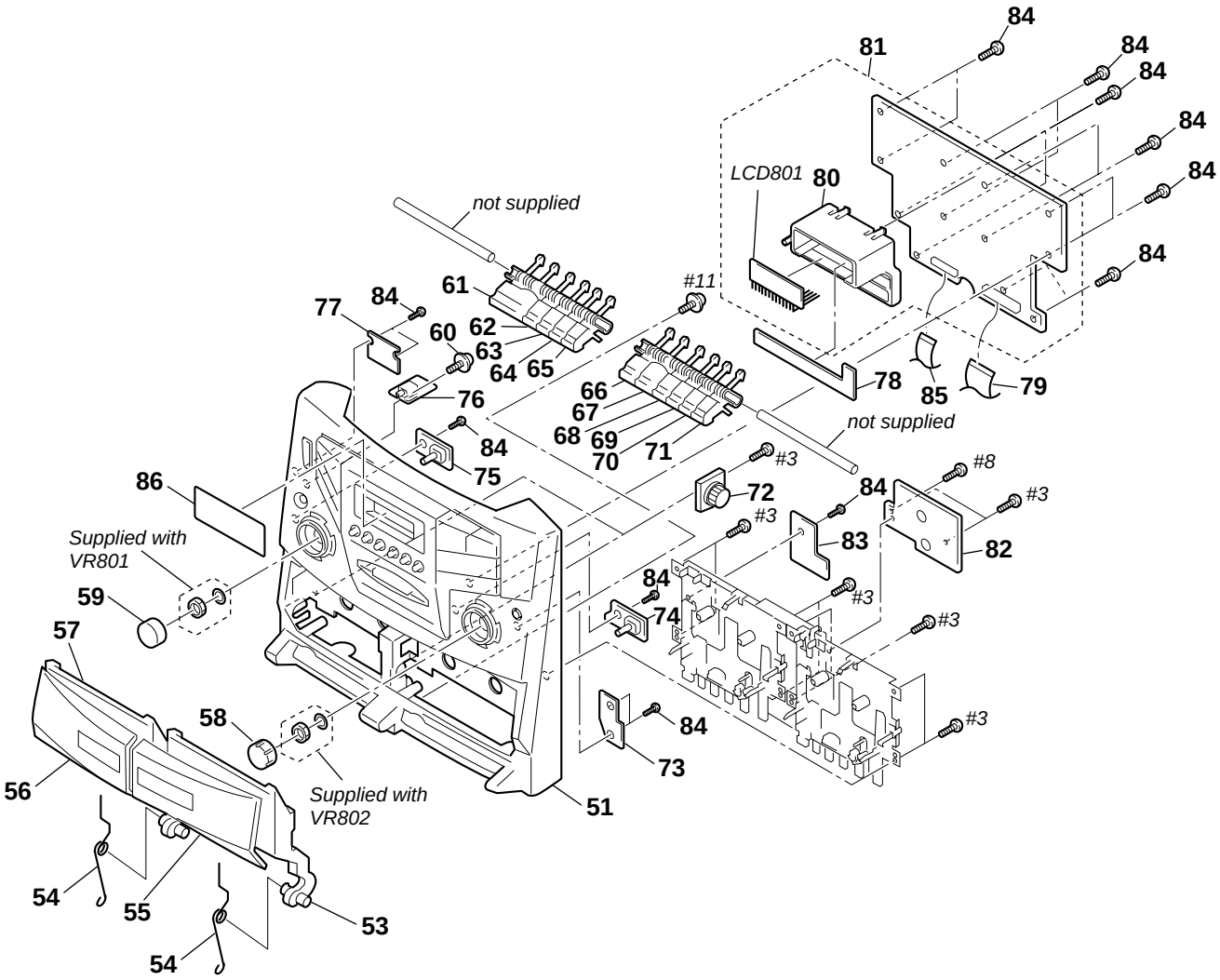
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

6-1. REAR CABINET SECTION



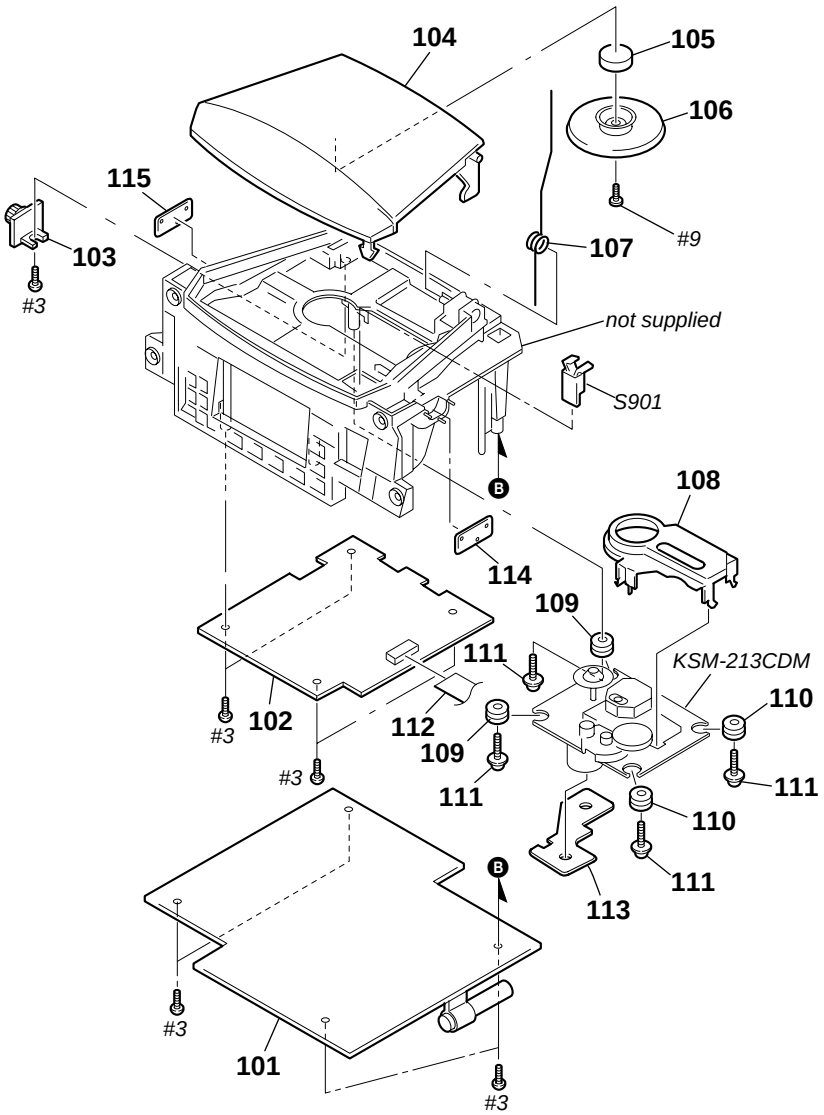
Ref. No.	Part No.	Description	Remark
1	3-031-134-91	CABINET (REAR)	
3	3-031-183-01	TERMINAL, ANTENNA	
* 4	1-677-742-11	BACKUP BOARD	
* 5	1-677-753-11	POWER BOARD	
6	3-031-138-01	HANDLE	
7	3-918-472-11	LID,BATTERY CASE	
* 8	1-677-743-11	BATT BOARD	
9	3-031-172-01	SPRING, BACK UP	
10	3-031-171-01	SPRING (-), BATTERY	
11	3-032-886-01	SPRING, BATTERY	
12	4-981-789-11	BRACKET (2), YOKE	
13	1-533-233-31	HOLDER,FUSE	
ANT1	1-754-134-11	ANTENNA, TELESCOPIC	
⚠F901	1-576-107-11	FUSE (3.15A/250V)	
⚠T901	1-433-709-11	TRANSFORMER, POWER	

6-2. FRONT CABINET SECTION



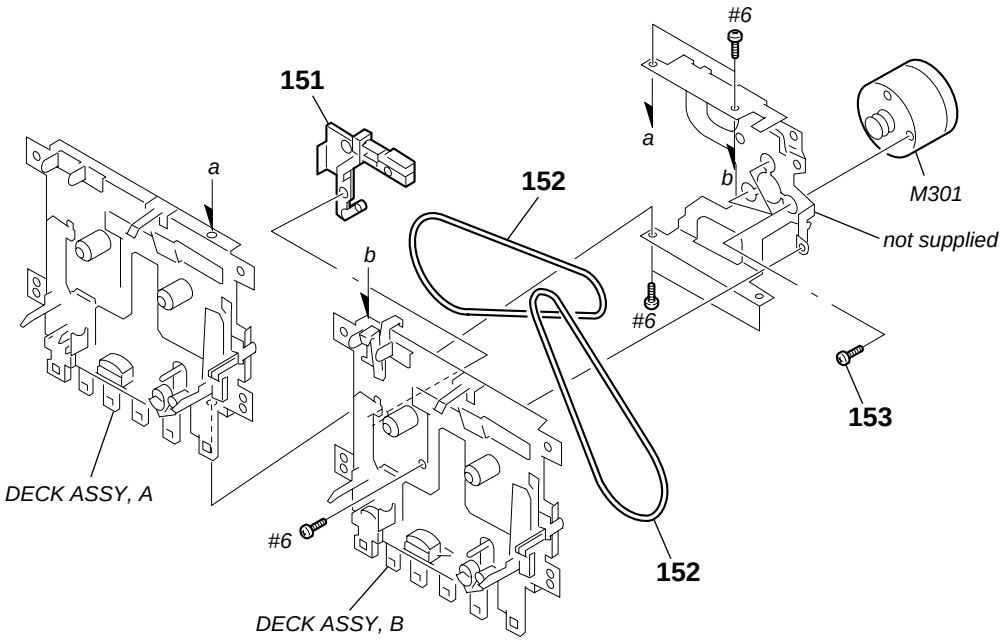
Ref. No.	Part No.	Description	Remark
51	X-3378-796-1	CABINET (FRONT) SUB ASSY	
53	3-033-111-01	HOLDER (B), CASSETTE	
54	3-031-168-01	SPRING, CASSETTE	
55	A-3364-001-A	LID(B) SUB ASSY, CASSETTE	
56	A-3328-999-A	LID(A) SUB ASSY, CASSETTE	
57	3-033-110-01	HOLDER (A), CASSETTE	
58	3-046-002-01	KNOB, VOLUME	
59	3-046-003-01	KNOB, PRESET	
60	3-911-135-01	SCREW (2.6X10), (+PWH) TAPPING	
61	3-046-004-01	KNOB, PLAY (1)	
62	3-031-147-01	KNOB(1), REW	
63	3-031-146-01	KNOB(1), FF	
64	3-031-148-01	KNOB(1), ST/EJ	
65	3-031-149-02	KNOB(1), PAUSE	
66	3-031-151-02	KNOB, REC	
67	3-031-150-01	KNOB(2), PLAY	
68	3-031-153-01	KNOB(2), REW	
69	3-031-152-01	KNOB(2), FF	
70	3-031-154-01	KNOB(2), ST/EJ	
71	3-031-155-02	KNOB(2), PAUSE	
72	3-922-112-21	DAMPER	
* 73	1-677-746-11	MEGA BASS BOARD	
* 74	1-677-749-11	VOLUME BOARD	
* 75	1-677-750-11	PRESET BOARD	
* 76	1-677-744-11	HEADPHONE BOARD	
* 77	1-677-751-11	POWER KEY BOARD	
* 78	1-677-745-11	KEYBOARD	
79	1-792-553-11	WIRE, PARALLEL (23 CORE)	
80	3-046-007-01	HOLDER, LCD	
* 81	A-3322-586-A	CONTROL BOARD,COMPLETE	
* 82	A-3322-591-A	REC SW BOARD,COMPLETE	
* 83	A-3322-597-A	PB BOARD,COMPLETE	
84	4-951-620-01	SCREW (2.6X8), +BVTP	
85	1-790-241-11	WIRE, PARALLEL (FFC) (10 CORE)	
86	3-046-006-01	WINDOW, LCD	
LCD801	1-803-965-11	DISPLAY PANEL, LIQUID CRYSTAL	

6-3. CD SECTION



Ref. No.	Part No.	Description	Remark
* 101	A-3322-589-A	MAIN BOARD,COMPLETE	
* 102	A-3322-588-A	CD BOARD,COMPLETE	
103	3-049-782-01	DAMPER	
104	3-046-000-01	LID, CD	
105	1-452-899-11	MAGNET	
106	3-021-020-01	PLATE, CHUCKING	
107	3-031-173-01	SPRING, CD	
108	3-923-736-01	COVER, CD	
109	3-931-379-31	RUBBER, VIBRATION PROOF (GREEN)	
110	3-931-379-21	RUBBER, VIBRATION PROOF (RED)	
111	3-911-135-01	SCREW (2.6X10), (+PWH) TAPPING	
* 112	1-790-242-11	WIRE, PARALLEL (FFC) (16 CORE)	
113	1-639-678-12	CD MOTOR BOARD	
* 114	1-674-023-11	BRACKET (2)	
* 115	1-674-020-11	BRACKET (1)	
S901	1-692-960-11	SWITCH, PUSH (1 KEY)	(CD DOOR OPEN/CLOSE)

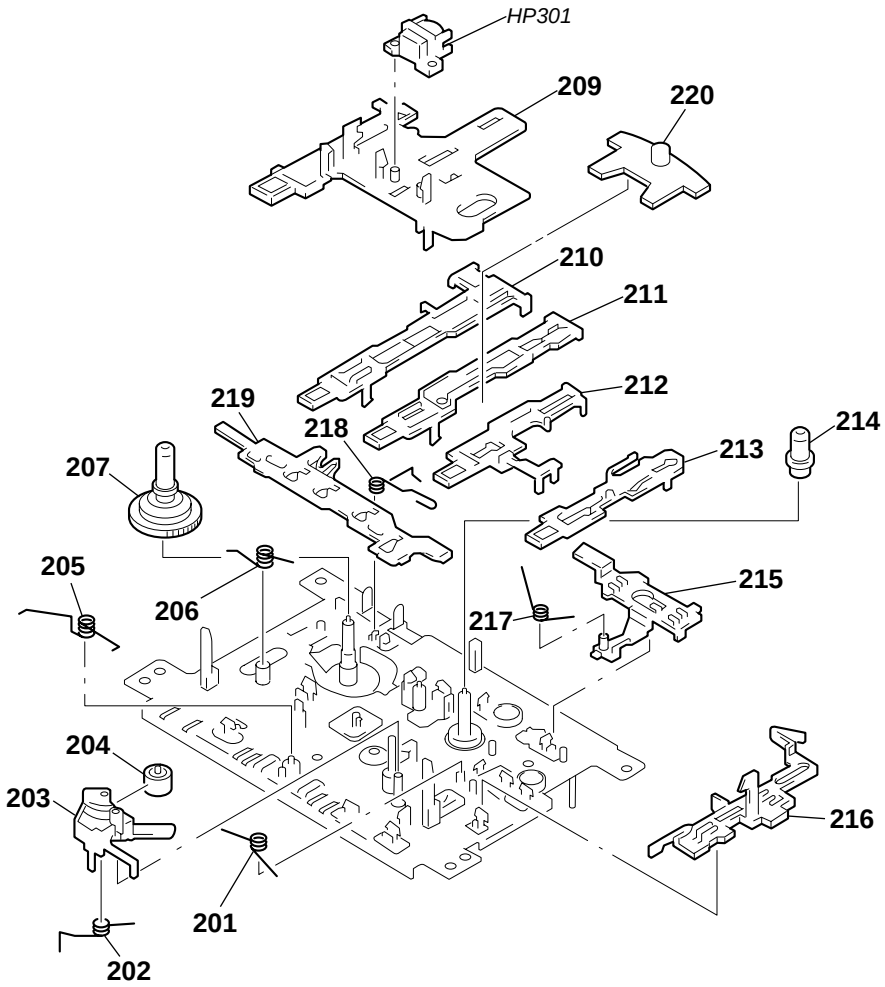
6-4. TAPE MECHANISM SECTION-1 (MF-ZW755-117)



Ref. No.	Part No.	Description	Remark
151	3-025-846-01	LEVER (REC)	
152	3-016-031-11	BELT	
153	3-343-251-01	SCREW (M2.6X2.5)	

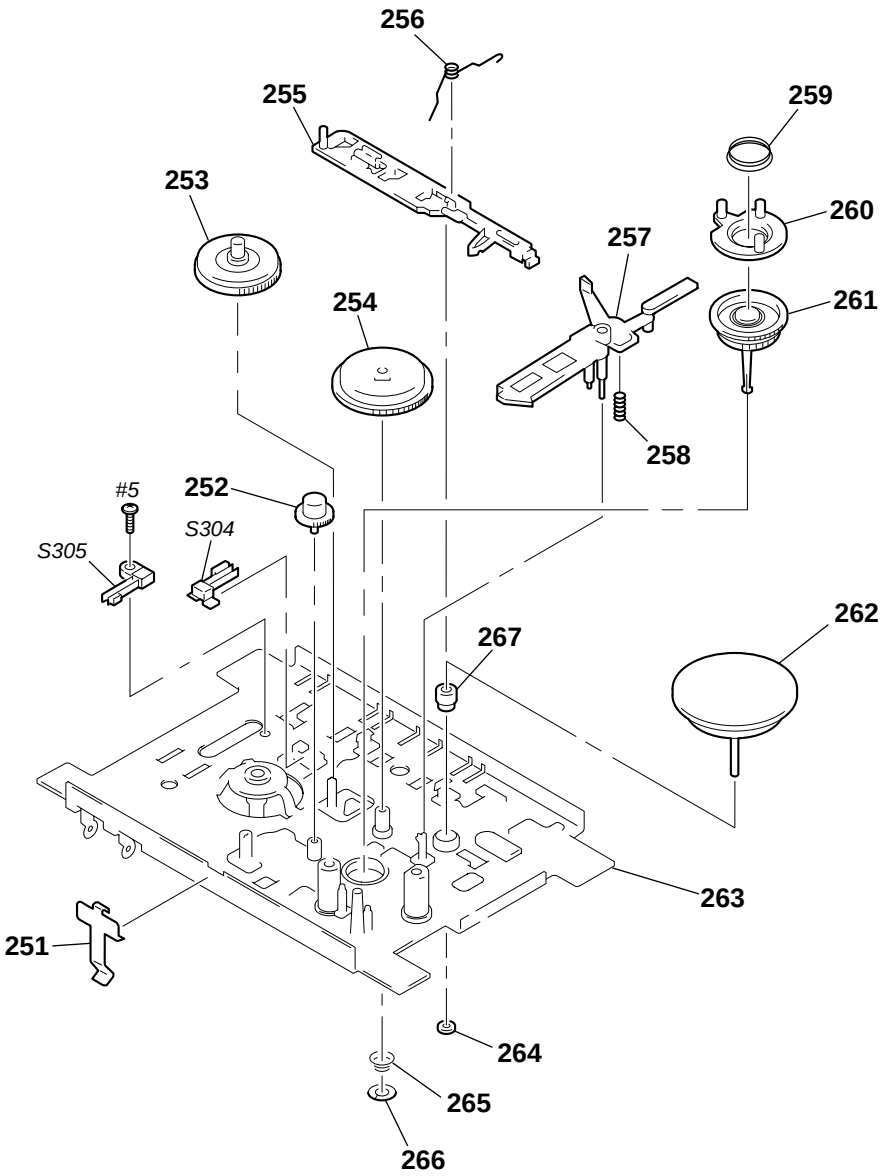
Ref. No.	Part No.	Description	Remark
M301	A-3328-913-A	MOTOR ASSY (W) (CAPSTAN/REEL) (INCLUDING PULLEY)	

6-5. TAPE MECHANISM SECTION-2 (DECK A)
(MF-ZW755-117)



Ref. No.	Part No.	Description	Remark
201	3-933-010-01	SPRING (S/P), TORSION	
202	3-933-025-01	SPRING (P), TORSION	
203	3-040-857-01	LEVER (P)	
204	3-933-024-01	ROLLER, PINCH	
205	3-933-019-01	SPRING (F/R), TORSION	
206	3-933-028-01	SPRING (FWD), TORSION	
207	3-933-016-01	GEAR (S REEL)	
209	3-008-592-01	BASE (H), HEAD	
* 210	3-008-588-01	SLIDER (REW)	
* 211	3-008-589-13	SLIDER (FF)	
* 212	3-008-587-01	SLIDER (STOP)	
* 213	3-008-591-01	SLIDER (PAUSE)	
214	3-933-004-01	CLAW, REEL	
* 215	3-933-021-01	SLIDER (FRP)	
* 216	3-933-006-01	SLIDER (EJECT)	
217	3-934-833-01	SPRING (FRP)	
218	3-022-794-02	SPRING (BT)	
219	3-933-007-01	PLATE, LOCK	
* 220	3-012-114-01	LEVER (FR)	
HP301	1-543-714-31	HEAD, MAGNETIC (PLAYBACK)	

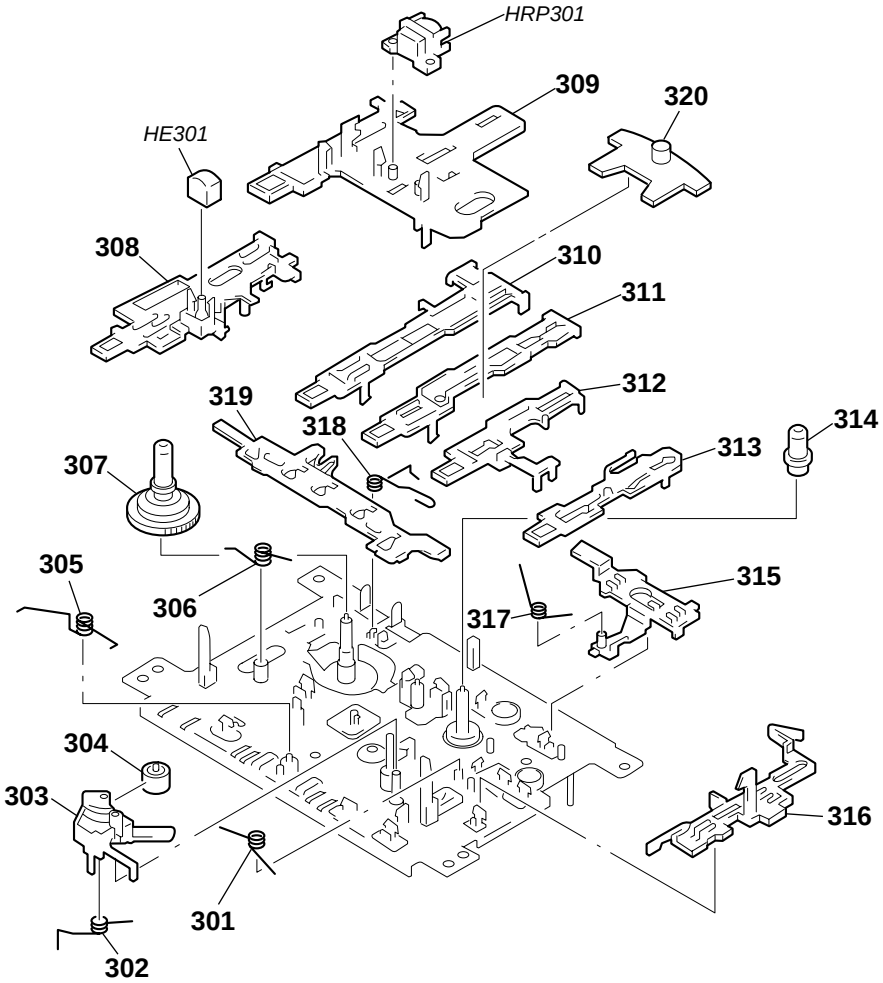
6-6. TAPE MECHANISM SECTION-3 (DECK A) (MF-ZW755-117)



Ref. No.	Part No.	Description	Remark
251	3-933-182-01	SPRING, CASSETTE	
252	3-932-995-01	GEAR (MID)	
253	X-3371-667-1	CLUTCH ASSY	
254	3-932-997-01	GEAR (CAM)	
* 255	3-932-999-11	SLIDER (SW)	
256	3-932-998-01	SPRING (GROUND), TORSION	
257	3-009-648-01	LEVER (S.OFF)	
258	3-939-383-02	SPRING, COMPRESSION	
259	3-009-650-02	SPRING (K), COMPRESSION	
260	3-936-438-01	LEVER (K)	

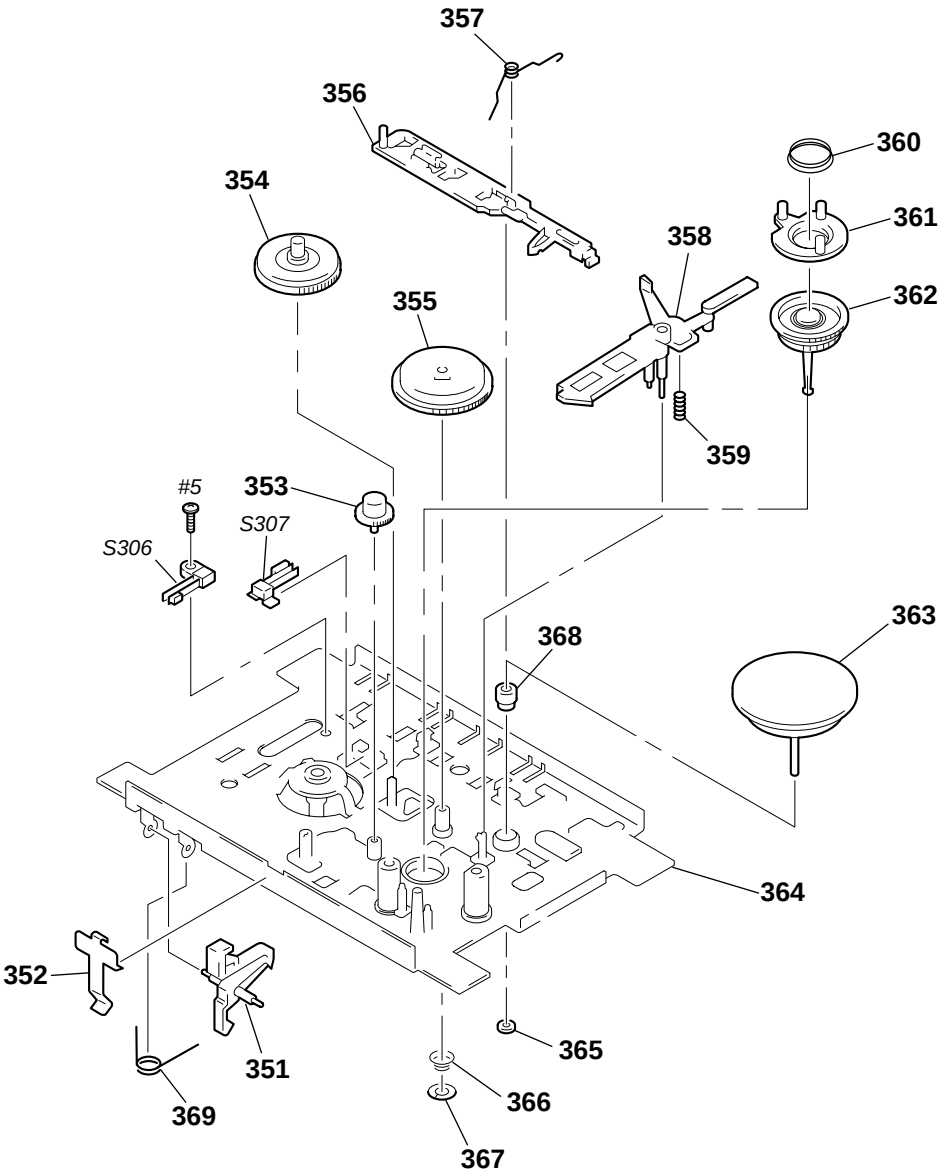
Ref. No.	Part No.	Description	Remark
261	X-3373-572-1	REEL ASSY (N), T	
262	X-3374-077-1	FLYWHEEL ASSY (W)	
263	3-932-993-01	CHASSIS, OUTSERT	
264	3-343-358-01	RING, RETAINING	
265	3-933-005-01	SPRING (CAM), COMPRESSION	
266	3-016-349-01	WASHER	
267	3-934-336-01	BEARING	
S304	1-771-686-11	SWITCH, LEAF(MD POWER)	
S305	1-692-302-11	SWITCH, LEAF (MD PLAY)	

6-7. TAPE MECHANISM SECTION-4 (DECK B)
(MF-ZW755-117)



Ref. No.	Part No.	Description	Remark
301	3-933-010-01	SPRING (S/P), TORSION	
302	3-933-025-01	SPRING (P), TORSION	
303	3-040-857-01	LEVER (P)	
304	3-933-024-01	ROLLER, PINCH	
305	3-933-019-01	SPRING (F/R), TORSION	
306	3-933-028-01	SPRING (FWD), TORSION	
307	3-933-016-01	GEAR (S REEL)	
308	3-008-590-01	SLIDER (REC)	
309	3-008-592-21	BASE (H), HEAD	
* 310	3-008-588-01	SLIDER (REW)	
* 311	3-008-589-13	SLIDER (FF)	
* 312	3-008-587-01	SLIDER (STOP)	
* 313	3-008-591-01	SLIDER (PAUSE)	
314	3-933-004-01	CLAW, REEL	
* 315	3-933-021-01	SLIDER (FRP)	
* 316	3-933-006-01	SLIDER (EJECT)	
317	3-934-833-01	SPRING (FRP)	
318	3-022-794-02	SPRING (BT)	
319	3-933-007-01	PLATE, LOCK	
* 320	3-012-114-01	LEVER (FR)	
HRP301	1-543-714-31	HEAD, MAGNETIC (RECORD/PLAYBACK)	
HE301	1-543-876-11	HEAD (ERASE)	

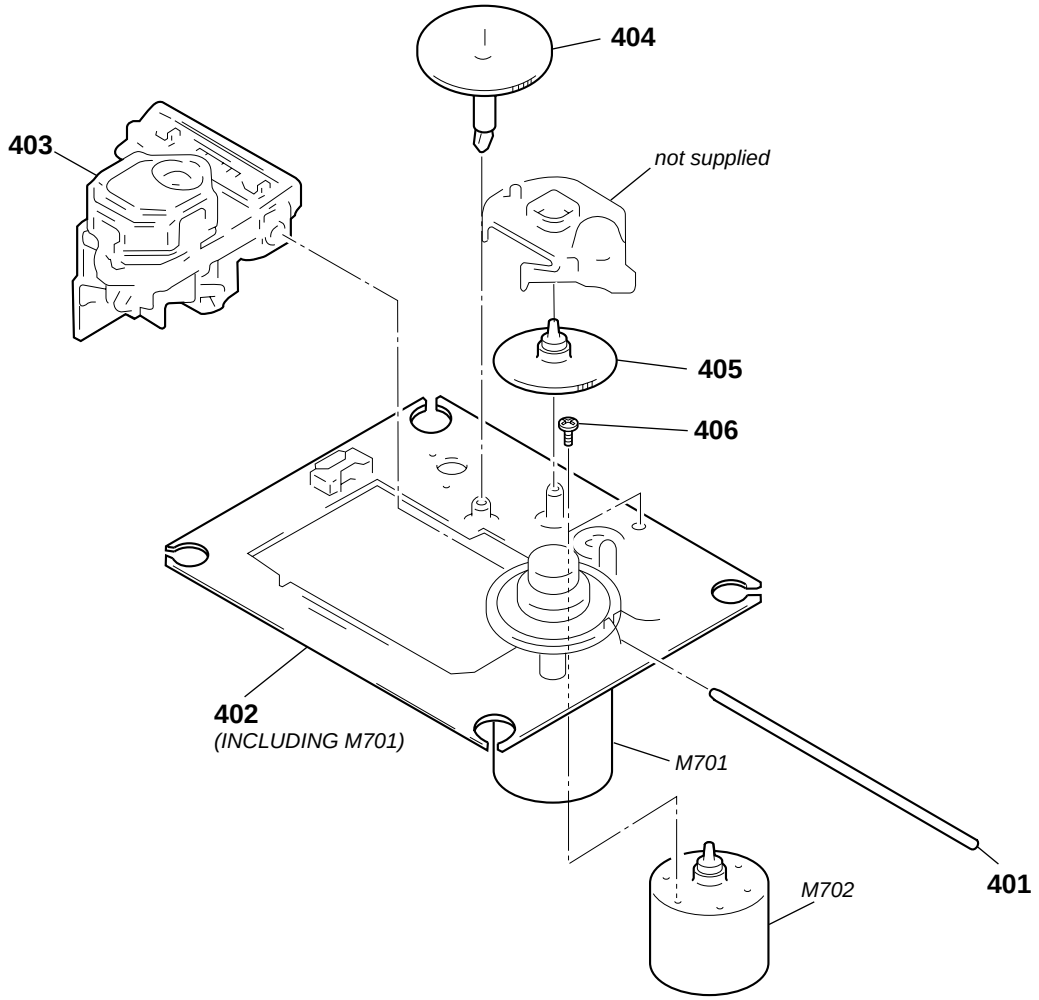
6-8. TAPE MECHANISM SECTION-5 (DECK B) (MF-ZW755-117)



Ref. No.	Part No.	Description	Remark
351	3-933-029-01	LEVER, ERASING PREVENTION	
352	3-933-182-01	SPRING, CASSETTE	
353	3-932-995-01	GEAR (MID)	
354	X-3371-667-1	CLUTCH ASSY	
355	3-932-997-01	GEAR (CAM)	
* 356	3-932-999-11	SLIDER (SW)	
357	3-932-998-01	SPRING (GROUND), TORSION	
358	3-009-648-01	LEVER (S.OFF)	
359	3-939-383-02	SPRING, COMPRESSION	
360	3-009-650-02	SPRING (K), COMPRESSION	
361	3-936-438-01	LEVER (K)	

Ref. No.	Part No.	Description	Remark
362	X-3373-572-1	REEL ASSY (N), T	
363	X-3374-077-1	FLYWHEEL ASSY (W)	
364	3-932-993-01	CHASSIS, OUTSERT	
365	3-343-358-01	RING, RETAINING	
366	3-933-005-01	SPRING (CAM), COMPRESSION	
367	3-016-349-01	WASHER	
368	3-934-336-01	BEARING	
369	3-023-780-01	SPRING	
S306	1-692-302-11	SWITCH, LEAF (MD PLAY)	
S307	1-771-686-11	SWITCH, LEAF (MD POWER)	

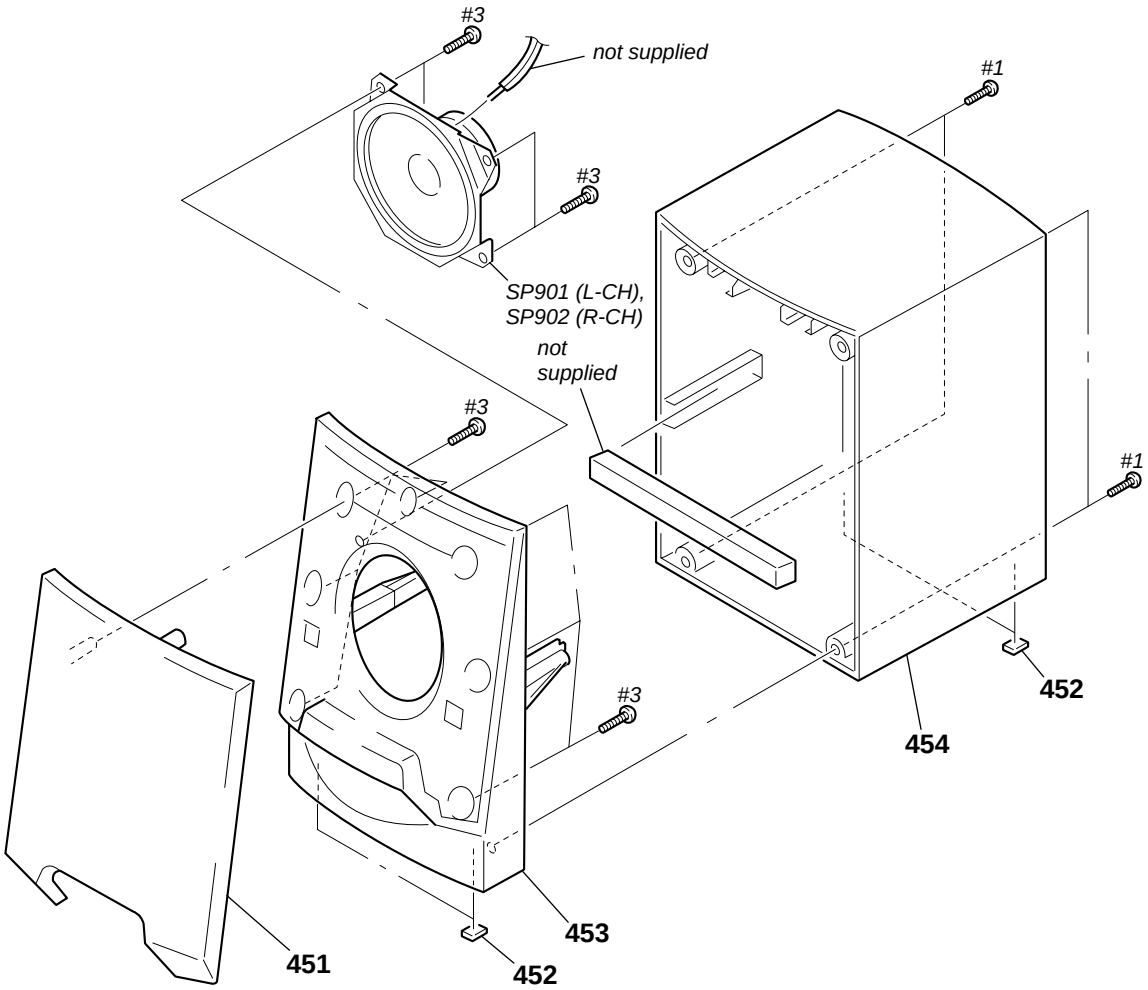
6-9. OPTICAL PICK-UP SECTION (KSM-213CDM)



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

Ref. No.	Part No.	Description	Remark
401	2-626-908-01	SHAFT, SLED	
402	X-2626-202-1	MOTOR SHASSIS ASSY (MB) (INCLUDING M701) (SPINDLE)	
⚠403	8-848-483-05	OPTICAL PICK-UP KSS-213C	
404	2-626-907-01	GEAR(A)	
405	2-627-003-02	GEAR(B)(RP)	
406	3-713-786-51	SCREW +P 2X3	
M702	X-2625-769-1	MOTOR GEAR ASSY (MB)	(SLED) (INCLUDING GEAR)

6-10. SPEAKER SECTION



Ref. No.	Part No.	Description	Remark
451	X-3377-577-1	FRAME ASSY, NET	
452	3-031-182-11	RUBBER	
453	3-033-107-01	CABINET (FRONT), SPEAKER	
454	3-031-176-01	CABINET (REAR) (L), SPEAKER	

Ref. No.	Part No.	Description	Remark
454	3-031-177-01	CABINET (REAR) (R), SPEAKER	
SP901	1-529-245-11	SPEAKER (10cm) (L-CH)	
SP902	1-529-245-11	SPEAKER (10cm) (R-CH)	

BACK UP **BATT** **CD**

SECTION 7
ELECTRICAL PARTS LIST

NOTE :

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -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
- Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- 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

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

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

Ref. No.	Part No.	Description			Remark
*	1-677-742-11	BACK UP BOARD			
		**********			
		< CONNECTOR >			
* CN904	1-691-573-11	PIN, CONNECTOR (PC BOARD) 2P			
**********					
*	1-677-743-11	BATT BOARD			
		**********			
	3-031-171-01	SPRING (-), BATTERY			
	3-031-172-01	SPRING, BACK UP			
		< CONNECTOR >			
* CN903	1-691-573-11	PIN, CONNECTOR (PC BOARD) 2P			
**********					
*	A-3322-588-A	CD BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C701	1-162-600-11	CERAMIC	4700PF	10%	16V
C702	1-162-306-11	CERAMIC	0.01uF	10%	16V
C703	1-162-305-11	CERAMIC	6800PF	10%	16V
C704	1-137-374-11	MYLAR	0.047uF	5%	50V
C705	1-162-306-11	CERAMIC	0.01uF	10%	16V
C706	1-104-665-11	ELECT	100uF	20%	10V
C707	1-130-487-00	MYLAR	0.022uF	5%	50V
C708	1-162-851-11	CERAMIC	0.1uF	10%	16V
C709	1-162-851-11	CERAMIC	0.1uF	10%	16V
C710	1-162-600-11	CERAMIC	4700PF	10%	16V
C711	1-162-203-31	CERAMIC	15PF	5%	50V
C712	1-128-821-21	CERAMIC	1000PF	5%	50V
C713	1-162-851-11	CERAMIC	0.1uF	10%	16V
C714	1-162-851-11	CERAMIC	0.1uF	10%	16V
C715	1-128-551-11	ELECT	22uF	20%	63V
C716	1-162-851-11	CERAMIC	0.1uF	10%	16V
C717	1-130-483-00	MYLAR	0.01uF	5%	50V
C718	1-131-377-00	TANTALUM	10uF	10%	10V
C719	1-104-664-11	ELECT	47uF	20%	25V
C720	1-162-306-11	CERAMIC	0.01uF	10%	16V
C721	1-130-489-00	MYLAR	0.033uF	5%	50V
C722	1-130-489-00	MYLAR	0.033uF	5%	50V
C723	1-162-306-11	CERAMIC	0.01uF	10%	16V
C724	1-130-489-00	MYLAR	0.033uF	5%	50V
C725	1-137-440-11	MYLAR	0.018uF	5%	50V
C726	1-162-306-11	CERAMIC	0.01uF	10%	16V
C727	1-162-199-31	CERAMIC	10PF	5%	50V
C728	1-104-665-11	ELECT	100uF	20%	25V
C729	1-126-962-11	ELECT	3.3uF	20%	50V
C730	1-137-375-11	MYLAR	0.068uF	5%	50V
C731	1-162-215-31	CERAMIC	47PF	5%	50V
C732	1-162-306-11	CERAMIC	0.01uF	10%	16V
C733	1-162-306-11	CERAMIC	0.01uF	10%	16V
C734	1-162-282-31	CERAMIC	100PF	5%	50V
C735	1-162-306-11	CERAMIC	0.01uF	10%	16V
C739	1-162-282-31	CERAMIC	100PF	5%	50V
C741	1-161-053-00	CERAMIC	0.015uF	10%	50V
C742	1-162-306-11	CERAMIC	0.01uF	10%	16V
C743	1-162-294-31	CERAMIC	1000PF	5%	50V
C744	1-126-925-11	ELECT	470uF	20%	10V
C745	1-104-665-11	ELECT	100uF	20%	10V
C746	1-162-282-31	CERAMIC	100PF	5%	50V
C747	1-162-282-31	CERAMIC	100PF	5%	50V
C749	1-162-306-11	CERAMIC	0.01uF	10%	16V
C750	1-162-306-11	CERAMIC	0.01uF	10%	16V
C751	1-162-306-11	CERAMIC	0.01uF	10%	16V
C752	1-162-306-11	CERAMIC	0.01uF	10%	16V
C753	1-104-665-11	ELECT	100uF	20%	10V
C755	1-162-306-11	CERAMIC	0.01uF	10%	16V
C756	1-162-306-11	CERAMIC	0.01uF	10%	16V
C758	1-162-306-11	CERAMIC	0.01uF	10%	16V
C759	1-104-665-11	ELECT	100uF	20%	10V
C760	1-137-194-91	MYLAR	0.47uF	5%	50V
C761	1-162-210-31	CERAMIC	30PF	5%	50V
C763	1-162-290-31	CERAMIC	470PF	5%	50V
C764	1-162-210-31	CERAMIC	30PF	5%	50V
C765	1-162-286-21	CERAMIC	220PF	5%	50V
C766	1-162-306-11	CERAMIC	0.01uF	10%	16V
C768	1-162-306-11	CERAMIC	0.01uF	10%	16V
C769	1-136-169-00	MYLAR	0.22uF	5%	50V
C770	1-164-159-21	CERAMIC	0.1uF	10%	50V
C771	1-162-282-31	CERAMIC	100PF	5%	50V
C772	1-162-282-31	CERAMIC	100PF	5%	50V
C773	1-104-665-11	ELECT	100uF	20%	25V
C775	1-162-306-11	CERAMIC	0.01uF	10%	16V

Ref. No.	Part No.	Description			Remark
C776	1-162-294-31	CERAMIC	1000PF	5%	50V
C780	1-162-284-31	CERAMIC	150PF	5%	50V
C781	1-162-292-31	CERAMIC	680PF	5%	50V
C782	1-126-963-11	ELECT	4.7uF	20%	50V
C787	1-162-306-11	CERAMIC	0.01uF	10%	16V
C790	1-162-284-31	CERAMIC	150PF	5%	50V
C791	1-162-292-31	CERAMIC	680PF	5%	50V
C792	1-126-963-11	ELECT	4.7uF	20%	50V
C794	1-162-282-31	CERAMIC	100PF	5%	50V
C795	1-162-282-31	CERAMIC	100PF	5%	50V
C796	1-162-290-31	CERAMIC	470PF	5%	50V
C797	1-162-294-31	CERAMIC	1000PF	5%	50V
C798	1-162-282-31	CERAMIC	100PF	5%	50V
		< CONNECTOR >			
* CN703	1-784-732-11	CONNECTOR, FFC 10P			
CN701	1-779-553-11	PIN, CONNECTOR (PC BOARD) 16P			
* CN702	1-691-577-11	PIN, CONNECTOR (PC BOARD) 6P			
* CN704	1-691-577-11	PIN, CONNECTOR (PC BOARD) 6P			
		< DIODE >			
D701	8-719-991-33	DIODE 1SS133T-77			
D702	8-719-991-33	DIODE 1SS133T-77			
D703	8-719-991-33	DIODE 1SS133T-77			
		< FERRITE BEAD >			
FB701	1-414-142-11	INDUCTOR	1uH		
FB705	1-414-137-31	INDUCTOR	0.22uH		
		< IC >			
IC701	8-752-082-14	IC CXA1992BR			
IC702	8-759-473-42	IC BA6898FP			
IC703	8-752-384-13	IC CXD2589Q			
		< COIL >			
L709	1-414-137-31	INDUCTOR	0.22uH		
L711	1-410-509-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q701	8-729-037-02	TRANSISTOR KTA1266Y-AT			
		< RESISTOR >			
R701	1-249-440-11	CARBON	82K	5%	1/4W
R702	1-249-439-11	CARBON	68K	5%	1/4W
R703	1-249-439-11	CARBON	68K	5%	1/4W
R704	1-249-439-11	CARBON	68K	5%	1/4W
R705	1-249-439-11	CARBON	68K	5%	1/4W
R706	1-249-440-11	CARBON	82K	5%	1/4W
R707	1-247-887-00	CARBON	220K	5%	1/4W
R709	1-247-883-00	CARBON	150K	5%	1/4W
R710	1-247-885-00	CARBON	180K	5%	1/4W
R711	1-247-883-00	CARBON	150K	5%	1/4W
R712	1-247-891-00	CARBON	330K	5%	1/4W
R715	1-249-429-11	CARBON	10K	5%	1/4W
R716	1-249-429-11	CARBON	10K	5%	1/4W
R717	1-247-903-00	CARBON	1M	5%	1/4W
R718	1-247-899-11	CARBON	680K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R719	1-249-393-11	CARBON	10	5%	1/4W
R720	1-249-430-11	CARBON	12K	5%	1/4W
R721	1-247-862-11	CARBON	20K	5%	1/4W
R722	1-247-886-11	CARBON	200K	5%	1/4W
R723	1-247-896-11	CARBON	510K	5%	1/4W
R724	1-249-439-11	CARBON	68K	5%	1/4W
R725	1-247-887-00	CARBON	220K	5%	1/4W
R726	1-247-883-00	CARBON	150K	5%	1/4W
R727	1-249-437-11	CARBON	47K	5%	1/4W
R728	1-249-441-11	CARBON	100K	5%	1/4W
R729	1-249-430-11	CARBON	12K	5%	1/4W
R730	1-249-435-11	CARBON	33K	5%	1/4W
R731	1-247-863-91	CARBON	22K	5%	1/4W
R733	1-249-417-11	CARBON	1K	5%	1/4W
R734	1-247-843-11	CARBON	3.3K	5%	1/4W
R735	1-249-427-11	CARBON	6.8K	5%	1/4W
R736	1-249-431-11	CARBON	15K	5%	1/4W
R738	1-249-435-11	CARBON	33K	5%	1/4W
R739	1-247-815-91	CARBON	220	5%	1/4W
R741	1-249-417-11	CARBON	1K	5%	1/4W
R742	1-249-417-11	CARBON	1K	5%	1/4W
R743	1-249-417-11	CARBON	1K	5%	1/4W
R744	1-249-417-11	CARBON	1K	5%	1/4W
R745	1-249-417-11	CARBON	1K	5%	1/4W
R746	1-249-417-11	CARBON	1K	5%	1/4W
R747	1-249-437-11	CARBON	47K	5%	1/4W
R748	1-249-417-11	CARBON	1K	5%	1/4W
R749	1-249-417-11	CARBON	1K	5%	1/4W
R750	1-247-863-91	CARBON	22K	5%	1/4W
R751	1-249-417-11	CARBON	1K	5%	1/4W
R752	1-249-417-11	CARBON	1K	5%	1/4W
R753	1-249-417-11	CARBON	1K	5%	1/4W
R754	1-249-417-11	CARBON	1K	5%	1/4W
R755	1-249-417-11	CARBON	1K	5%	1/4W
R756	1-249-417-11	CARBON	1K	5%	1/4W
R757	1-249-417-11	CARBON	1K	5%	1/4W
R758	1-249-437-11	CARBON	47K	5%	1/4W
R759	1-249-437-11	CARBON	47K	5%	1/4W
R760	1-249-437-11	CARBON	47K	5%	1/4W
R764	1-247-843-11	CARBON	3.3K	5%	1/4W
R765	1-249-417-11	CARBON	1K	5%	1/4W
R766	1-249-429-11	CARBON	10K	5%	1/4W
R768	1-247-903-00	CARBON	1M	5%	1/4W
R771	1-249-429-11	CARBON	10K	5%	1/4W
R772	1-247-887-00	CARBON	220K	5%	1/4W
R780	1-249-430-11	CARBON	12K	5%	1/4W
R781	1-249-430-11	CARBON	12K	5%	1/4W
R782	1-249-430-11	CARBON	12K	5%	1/4W
R790	1-249-430-11	CARBON	12K	5%	1/4W
R791	1-249-430-11	CARBON	12K	5%	1/4W
R792	1-249-430-11	CARBON	12K	5%	1/4W
R796	1-249-417-11	CARBON	1K	5%	1/4W
R797	1-249-417-11	CARBON	1K	5%	1/4W
R799	1-249-421-11	CARBON	2.2K	5%	1/4W
		< VIBRATOR >			
X701	1-579-345-11	VIBRATOR, CERAMIC (16.9344MHz)			

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CD MOTOR CONTROL

Ref. No.	Part No.	Description			Remark
	1-639-678-12	CD MOTOR BOARD			
		**********			
		< CONNECTOR >			
CNP707	1-564-722-11	PIN, CONNECTOR (SMALL TYPE) 6P			
		< SWITCH >			
S701	1-572-085-11	SWITCH, LEAF (LIMIT)			
**********					
*	A-3322-586-A	CONTROL BOARD, COMPLETE			
		**********			
	1-790-241-11	WIRE, PARALLEL (FFC) (10 CORE)			
	1-792-553-11	WIRE, PARALLEL			
	3-046-007-01	HOLDER, LCD			
	3-831-441-11	CUSHION (B)			
	7-623-924-11	WASHER 3.0, NYLON			
		< CAPACITOR >			
C801	1-162-282-31	CERAMIC	100PF	5%	50V
C802	1-162-282-31	CERAMIC	100PF	5%	50V
C803	1-162-282-31	CERAMIC	100PF	5%	50V
C804	1-162-282-31	CERAMIC	100PF	5%	50V
C805	1-162-282-31	CERAMIC	100PF	5%	50V
C810	1-162-294-31	CERAMIC	1000PF	5%	50V
C811	1-126-934-11	ELECT	220uF	20%	16V
C812	1-162-306-11	CERAMIC	0.01uF	10%	16V
C813	1-102-962-00	CERAMIC	30PF	5%	50V
C814	1-102-962-00	CERAMIC	30PF	5%	50V
C815	1-162-282-31	CERAMIC	100PF	5%	50V
C816	1-162-282-31	CERAMIC	100PF	5%	50V
C817	1-162-282-31	CERAMIC	100PF	5%	50V
C820	1-162-282-31	CERAMIC	100PF	5%	50V
C823	1-162-306-11	CERAMIC	0.01uF	10%	16V
C824	1-102-964-00	CERAMIC	36PF	5%	50V
C825	1-102-964-00	CERAMIC	36PF	5%	50V
C826	1-102-518-11	CERAMIC	33PF	5%	50V
C827	1-102-518-11	CERAMIC	33PF	5%	50V
C828	1-162-306-11	CERAMIC	0.01uF	10%	16V
C829	1-162-294-31	CERAMIC	1000PF	5%	50V
C830	1-127-888-31	CERAMIC	0.1	10%	50V
C831	1-126-960-11	ELECT	1uF	20%	50V
C833	1-162-282-31	CERAMIC	100PF	5%	50V
C834	1-127-888-31	CERAMIC	0.1	10%	50V
C835	1-127-888-31	CERAMIC	0.1	10%	50V
C840	1-162-306-11	CERAMIC	0.01uF	10%	16V
C841	1-128-551-11	ELECT	22uF	20%	25V
C842	1-127-888-31	CERAMIC	0.1	10%	50V
C843	1-162-282-31	CERAMIC	100PF	5%	50V
C844	1-162-282-31	CERAMIC	100PF	5%	50V
C850	1-128-809-11	CERAMIC	100PF	5%	50V
		< CONNECTOR >			
* CN802	1-784-732-11	CONNECTOR, FFC 10P			
CN803	1-784-784-11	CONNECTOR, FFC 23P			
CN804	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
CN808	1-695-104-11	PIN, CONNECTOR (PC BOARD) 2P			
CN809	1-695-104-11	PIN, CONNECTOR (PC BOARD) 2P			

Ref. No.	Part No.	Description			Remark
		< DIODE >			
D801	8-719-991-33	DIODE 1SS133T-77			
D802	8-719-059-97	LED L-34HD (OPR/BATT)			
		< IC >			
IC801	8-752-914-03	IC CXP83516-606Q			
IC802	8-759-645-87	IC PST9128-T			
		< COIL >			
L801	1-410-336-11	INDUCTOR	220uH		
L802	1-414-146-31	INDUCTOR	2.2uH		
		< LIQUID CRYSTAL DISPLAY >			
LCD801	1-803-965-11	DISPLAY PANEL, LIQUID CRYSTAL			
		< TRANSISTOR >			
Q801	8-729-922-66	TRANSISTOR 2SC2410SN			
Q802	8-729-922-66	TRANSISTOR 2SC2410SN			
		< RESISTOR >			
R801	1-249-417-11	CARBON	1K	5%	1/4W
R802	1-249-417-11	CARBON	1K	5%	1/4W
R803	1-249-417-11	CARBON	1K	5%	1/4W
R804	1-249-425-11	CARBON	4.7K	5%	1/4W
R805	1-249-425-11	CARBON	4.7K	5%	1/4W
R806	1-249-425-11	CARBON	4.7K	5%	1/4W
R807	1-249-425-11	CARBON	4.7K	5%	1/4W
R808	1-249-425-11	CARBON	4.7K	5%	1/4W
R809	1-249-425-11	CARBON	4.7K	5%	1/4W
R810	1-249-425-11	CARBON	4.7K	5%	1/4W
R811	1-249-429-11	CARBON	10K	5%	1/4W
R812	1-249-425-11	CARBON	4.7K	5%	1/4W
R813	1-249-435-11	CARBON	33K	5%	1/4W
R814	1-249-425-11	CARBON	4.7K	5%	1/4W
R815	1-249-417-11	CARBON	1K	5%	1/4W
R816	1-249-437-11	CARBON	47K	5%	1/4W
R817	1-249-417-11	CARBON	1K	5%	1/4W
R818	1-249-417-11	CARBON	1K	5%	1/4W
R819	1-249-417-11	CARBON	1K	5%	1/4W
R820	1-249-421-11	CARBON	2.2K	5%	1/4W
R821	1-249-417-11	CARBON	1K	5%	1/4W
R822	1-249-417-11	CARBON	1K	5%	1/4W
R823	1-249-417-11	CARBON	1K	5%	1/4W
R824	1-249-417-11	CARBON	1K	5%	1/4W
R825	1-249-417-11	CARBON	1K	5%	1/4W
R826	1-249-417-11	CARBON	1K	5%	1/4W
R827	1-249-417-11	CARBON	1K	5%	1/4W
R828	1-249-417-11	CARBON	1K	5%	1/4W
R829	1-249-429-11	CARBON	10K	5%	1/4W
R830	1-249-425-11	CARBON	4.7K	5%	1/4W
R831	1-249-425-11	CARBON	4.7K	5%	1/4W
R832	1-249-425-11	CARBON	4.7K	5%	1/4W
R833	1-249-429-11	CARBON	10K	5%	1/4W
R834	1-249-429-11	CARBON	10K	5%	1/4W
R835	1-249-429-11	CARBON	10K	5%	1/4W
R836	1-249-429-11	CARBON	10K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R837	1-249-425-11	CARBON	4.7K	5%	1/4W
R838	1-249-425-11	CARBON	4.7K	5%	1/4W
R839	1-249-441-11	CARBON	100K	5%	1/4W
R840	1-249-441-11	CARBON	100K	5%	1/4W
R841	1-247-872-11	CARBON	51K	5%	1/4W
R842	1-247-872-11	CARBON	51K	5%	1/4W
R843	1-247-872-11	CARBON	51K	5%	1/4W
R844	1-249-440-11	CARBON	82K	5%	1/4W
R845	1-249-429-11	CARBON	10K	5%	1/4W
R846	1-249-429-11	CARBON	10K	5%	1/4W
R847	1-249-417-11	CARBON	1K	5%	1/4W
R848	1-249-421-11	CARBON	2.2K	5%	1/4W
R849	1-249-421-11	CARBON	2.2K	5%	1/4W
R850	1-249-425-11	CARBON	4.7K	5%	1/4W
R851	1-249-421-11	CARBON	2.2K	5%	1/4W
R852	1-249-413-11	CARBON	470	5%	1/4W
R853	1-249-437-11	CARBON	47K	5%	1/4W
R854	1-249-427-11	CARBON	6.8K	5%	1/4W
R855	1-249-421-11	CARBON	2.2K	5%	1/4W
R856	1-249-427-11	CARBON	6.8K	5%	1/4W
R857	1-249-421-11	CARBON	2.2K	5%	1/4W
R858	1-249-425-11	CARBON	4.7K	5%	1/4W
R859	1-249-425-11	CARBON	4.7K	5%	1/4W
R860	1-249-429-11	CARBON	10K	5%	1/4W
R861	1-249-429-11	CARBON	10K	5%	1/4W
R862	1-249-429-11	CARBON	10K	5%	1/4W
R863	1-249-429-11	CARBON	10K	5%	1/4W
R864	1-249-410-11	CARBON	270	5%	1/4W
R865	1-249-415-11	CARBON	680	5%	1/4W
R866	1-249-416-11	CARBON	820	5%	1/4W
R867	1-249-418-11	CARBON	1.2K	5%	1/4W
R868	1-249-420-11	CARBON	1.8K	5%	1/4W
R869	1-247-843-11	CARBON	3.3K	5%	1/4W
R870	1-249-427-11	CARBON	6.8K	5%	1/4W
R872	1-249-415-11	CARBON	680	5%	1/4W
R873	1-249-416-11	CARBON	820	5%	1/4W
R882	1-247-903-00	CARBON	1M	5%	1/4W
R883	1-249-417-11	CARBON	1K	5%	1/4W
R884	1-249-425-11	CARBON	4.7K	5%	1/4W
R885	1-249-421-11	CARBON	2.2K	5%	1/4W
R886	1-247-828-11	CARBON	750	5%	1/4W
		< SWITCH >			
S802	1-762-798-11	SWITCH, KEYBOARD (CD)			
S803	1-762-798-11	SWITCH, KEYBOARD (TAPE)			
S804	1-762-798-11	SWITCH, KEYBOARD (RADIO BAND)			
S805	1-762-798-11	SWITCH, KEYBOARD (◀◀TUNE-)			
S806	1-762-798-11	SWITCH, KEYBOARD (▶▶TUNE+)			
S807	1-762-798-11	SWITCH, KEYBOARD (▶II)			
S809	1-762-798-11	SWITCH, KEYBOARD (■)			
S810	1-762-798-11	SWITCH, KEYBOARD (SOUND MODE)			
		< VIBRATOR >			
X801	1-767-184-11	VIBRATOR, CERAMIC (4.19MHz)			
X802	1-767-697-11	VIBRATOR, CRYSTAL (32kHz)			

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Ref. No.	Part No.	Description			Remark
*	1-677-744-11	HEADPHONE BOARD			
		**********			
		< JACK >			
J301	1-566-891-21	JACK (PHONES)			
		< COIL >			
L101	1-410-750-11	INDUCTOR	0.47uH		
L201	1-410-750-11	INDUCTOR	0.47uH		
		< RESISTOR >			
R119	1-249-404-00	CARBON	82	5%	1/4W
R219	1-249-404-00	CARBON	82	5%	1/4W

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*	1-677-745-11	KEY BOARD			
		**********			
		< IC >			
IC803	8-759-648-23	IC RPM6940-H4			
		< RESISTOR >			
R875	1-249-415-11	CARBON	680	5%	1/4W
R876	1-249-416-11	CARBON	820	5%	1/4W
R877	1-249-418-11	CARBON	1.2K	5%	1/4W
R878	1-249-420-11	CARBON	1.8K	5%	1/4W
R879	1-247-843-11	CARBON	3.3K	5%	1/4W
R880	1-249-432-11	CARBON	18K	5%	1/4W
		< SWITCH >			
S811	1-762-798-11	SWITCH, KEYBOARD (TIMER)			
S812	1-762-798-11	SWITCH, KEYBOARD (SLEEP)			
S813	1-762-798-11	SWITCH, KEYBOARD (STANDBY)			
S814	1-762-798-11	SWITCH, KEYBOARD (CLOCK)			
S815	1-762-798-11	SWITCH, KEYBOARD (DSPL ENT MEM)			
S816	1-762-798-11	SWITCH, KEYBOARD (MODE)			

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*	A-3322-589-A	MAIN BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1	1-162-294-31	CERAMIC	1000PF	5%	50V
C2	1-127-888-21	CERAMIC	0.1uF	10%	50V
C3	1-162-306-11	CERAMIC	0.01uF	10%	16V
C4	1-162-294-31	CERAMIC	1000PF	5%	50V
C5	1-162-306-11	CERAMIC	0.01uF	10%	16V
C6	1-102-953-00	CERAMIC	18PF	5%	50V
C7	1-130-483-00	MYLAR	0.01uF	5%	50V
C8	1-162-294-31	CERAMIC	1000PF	5%	50V
C9	1-162-306-11	CERAMIC	0.01uF	10%	16V
C10	1-162-282-31	CERAMIC	100PF	5%	50V
C11	1-162-306-11	CERAMIC	0.01uF	10%	16V
C12	1-162-306-11	CERAMIC	0.01uF	10%	16V
C13	1-162-288-31	CERAMIC	330PF	5%	50V
C14	1-126-960-11	ELECT	1uF	20%	50V
C15	1-127-888-21	CERAMIC	0.1uF	10%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C16	1-126-959-11	ELECT	0.47uF	20%	50V
C17	1-127-888-21	CERAMIC	0.1uF	10%	50V
C20	1-162-215-31	CERAMIC	47PF	5%	50V
C21	1-161-494-00	CERAMIC	0.022uF	10%	25V
C22	1-127-888-21	CERAMIC	0.1uF	10%	50V
C24	1-162-198-31	CERAMIC	8.2PF	10%	50V
C25	1-102-821-00	CERAMIC	360PF	5%	50V
C26	1-127-888-21	CERAMIC	0.1uF	10%	50V
C27	1-162-282-31	CERAMIC	100PF	5%	50V
C28	1-162-282-31	CERAMIC	100PF	5%	50V
C29	1-162-294-31	CERAMIC	1000PF	5%	50V
C30	1-162-306-11	CERAMIC	0.01uF	10%	16V
C31	1-162-306-11	CERAMIC	0.01uF	10%	16V
C32	1-126-960-11	ELECT	1uF	20%	50V
C33	1-126-963-11	ELECT	4.7uF	20%	50V
C34	1-127-888-21	CERAMIC	0.1uF	10%	50V
C35	1-162-301-11	CERAMIC	1500PF	10%	16V
C36	1-126-934-11	ELECT	220uF	20%	10V
C37	1-128-813-11	CERAMIC	220PF	5%	50V
C38	1-162-204-31	CERAMIC	16PF	5%	50V
C40	1-162-199-31	CERAMIC	10PF	5%	50V
C41	1-162-201-31	CERAMIC	12PF	5%	50V
C42	1-136-177-00	MYLAR	1uF	5%	50V
C43	1-104-664-11	ELECT	47uF	20%	10V
C44	1-162-306-11	CERAMIC	0.01uF	10%	16V
C45	1-162-294-31	CERAMIC	1000PF	5%	50V
C46	1-162-306-11	CERAMIC	0.01uF	10%	16V
C47	1-162-294-31	CERAMIC	1000PF	5%	50V
C48	1-162-294-31	CERAMIC	1000PF	5%	50V
C49	1-162-306-11	CERAMIC	0.01uF	10%	16V
C50	1-162-843-11	CERAMIC	0.022uF	10%	16V
C51	1-162-843-11	CERAMIC	0.022uF	10%	16V
C52	1-126-960-11	ELECT	1uF	20%	50V
C53	1-126-960-11	ELECT	1uF	20%	50V
C54	1-126-934-11	ELECT	220uF	20%	10V
C57	1-162-294-31	CERAMIC	1000PF	5%	50V
C58	1-162-282-31	CERAMIC	100PF	5%	50V
C59	1-162-282-31	CERAMIC	100PF	5%	50V
C60	1-162-282-31	CERAMIC	100PF	5%	50V
C125	1-162-303-11	CERAMIC	3300PF	10%	16V
C126	1-104-664-11	ELECT	47uF	20%	10V
C127	1-162-282-31	CERAMIC	100PF	5%	50V
C132	1-130-485-00	MYLAR	0.015uF	5%	50V
C135	1-104-665-11	ELECT	100uF	20%	10V
C136	1-126-926-11	ELECT	1000uF	20%	10V
C137	1-162-282-31	CERAMIC	100PF	5%	50V
C150	1-126-960-11	ELECT	1uF	20%	50V
C151	1-126-960-11	ELECT	1uF	20%	50V
C152	1-127-888-21	CERAMIC	0.1uF	10%	50V
C153	1-127-888-21	CERAMIC	0.1uF	10%	50V
C154	1-164-736-31	CERAMIC	1200PF	10%	50V
C155	1-126-960-11	ELECT	1uF	20%	50V
C156	1-162-302-11	CERAMIC	2200PF	10%	16V
C157	1-126-956-11	ELECT	0.1uF	20%	50V
C158	1-126-960-11	ELECT	1uF	20%	50V
C159	1-126-960-11	ELECT	1uF	20%	50V
C160	1-126-960-11	ELECT	1uF	20%	50V
C170	1-162-303-11	CERAMIC	3300PF	10%	16V
C226	1-104-664-11	ELECT	47uF	20%	10V
C227	1-162-282-31	CERAMIC	100PF	5%	50V
C232	1-130-485-00	MYLAR	0.015uF	5%	50V
C235	1-104-665-11	ELECT	100uF	20%	10V
C236	1-126-926-11	ELECT	1000uF	20%	10V
C237	1-162-282-31	CERAMIC	100PF	5%	50V
C250	1-126-960-11	ELECT	1uF	20%	50V
C251	1-126-960-11	ELECT	1uF	20%	50V
C252	1-127-888-21	CERAMIC	0.1uF	10%	50V
C253	1-127-888-21	CERAMIC	0.1uF	10%	50V
C254	1-164-736-31	CERAMIC	1200PF	10%	50V
C255	1-126-960-11	ELECT	1uF	20%	50V
C256	1-162-302-11	CERAMIC	2200PF	10%	16V
C257	1-126-956-11	ELECT	0.1uF	20%	50V
C258	1-126-960-11	ELECT	1uF	20%	50V
C259	1-126-960-11	ELECT	1uF	20%	50V
C260	1-126-960-11	ELECT	1uF	20%	50V
C270	1-162-303-11	CERAMIC	3300PF	10%	16V
C316	1-161-494-11	CERAMIC	0.022uF	10%	25V
C317	1-104-665-11	ELECT	100uF	20%	10V
C326	1-126-934-11	ELECT	220uF	20%	10V
C328	1-161-021-11	CERAMIC	0.047uF	10%	25V
C330	1-104-664-11	ELECT	47uF	20%	10V
C331	1-162-306-11	CERAMIC	0.01uF	10%	16V
C332	1-162-306-11	CERAMIC	0.01uF	10%	16V
C333	1-126-934-11	ELECT	220uF	20%	10V
C334	1-104-665-11	ELECT	100uF	20%	10V
C335	1-162-306-11	CERAMIC	0.01uF	10%	16V
C336	1-162-306-11	CERAMIC	0.01uF	10%	16V
C337	1-124-472-11	ELECT	470uF	20%	10V
C341	1-104-664-11	ELECT	47uF	20%	10V
C342	1-162-306-11	CERAMIC	0.01uF	10%	16V
C343	1-162-306-11	CERAMIC	0.01uF	10%	16V
C344	1-126-934-11	ELECT	220uF	20%	10V
C345	1-126-960-11	ELECT	1uF	20%	50V
C346	1-162-306-11	CERAMIC	0.01uF	10%	16V
C348	1-126-937-11	ELECT	4700uF	20%	16V
C351	1-104-664-11	ELECT	47uF	20%	10V
C352	1-162-282-31	CERAMIC	100PF	5%	50V
C370	1-162-282-31	CERAMIC	100PF	5%	50V
C371	1-162-282-31	CERAMIC	100PF	5%	50V
C372	1-162-282-31	CERAMIC	100PF	5%	50V
C374	1-128-551-11	ELECT	22uF	20%	25V
C377	1-162-306-11	CERAMIC	0.01uF	10%	16V
C378	1-126-963-11	ELECT	4.7uF	20%	50V

< FILTER >

CF1	1-760-738-61	FILTER, CERAMIC
CF3	1-781-344-12	FILTER, AM CERAMIC

< CONNECTOR >

*	CN303	1-691-582-11	PIN, CONNECTOR (PC BOARD) 11P
	CN305	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P
*	CN306	1-691-579-11	PIN, CONNECTOR (PC BOARD) 8P
	CN308	1-784-784-11	PIN, CONNECTOR (PC BOARD) 23P
	CN310	1-565-731-11	PLUG, CONNECTOR (2.5MM) 5P
	CN311	1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P

Ref. No.	Part No.	Description	Remark
		< TRIMMER >	
CT1	1-141-605-11	CAP, ADJ (FM TRACKING)	
CT2	1-141-601-11	CAP, ADJ (AM TRACKING)	
		< DIODE >	
D1	8-719-050-72	DIODE KV1370NT	
D2	8-719-050-72	DIODE KV1370NT	
D3	8-719-050-69	DIODE KV1520N	
D4	8-719-991-33	DIODE 1SS133T-77	
D5	8-719-991-33	DIODE 1SS133T-77	
D302	8-719-991-33	DIODE 1SS133T-77	
D303	8-719-991-33	DIODE 1SS133T-77	
D321	8-719-991-33	DIODE 1SS133T-77	
D322	8-719-991-33	DIODE 1SS133T-77	
D323	8-719-109-89	DIODE RD5.6ESB2	
D324	8-719-991-33	DIODE 1SS133T-77	
D325	8-719-110-03	DIODE RD7.5ESB2	
D326	8-719-991-33	DIODE 1SS133T-77	
D328	8-719-991-33	DIODE 1SS133T-77	
D330	8-719-991-33	DIODE 1SS133T-77	
D331	8-719-109-98	DIODE RD6.8ES-B3	
D333	8-719-991-33	DIODE 1SS133T-77	
D334	8-719-991-33	DIODE 1SS133T-77	
D335	8-719-991-33	DIODE 1SS133T-77	
D349	8-719-991-33	DIODE 1SS133T-77	
D350	8-719-991-33	DIODE 1SS133T-77	
D352	8-719-991-33	DIODE 1SS133T-77	
D354	8-719-991-33	DIODE 1SS133T-77	
D355	8-719-991-33	DIODE 1SS133T-77	
D356	8-719-991-33	DIODE 1SS133T-77	
D357	8-719-991-33	DIODE 1SS133T-77	
		< HOLDER FUSE >	
FH1	1-533-233-31	HOLDER, FUSE	
		< IC >	
IC1	8-759-662-67	IC TA2149N	
IC2	8-759-549-57	IC LC72137-D	
IC302	8-759-669-03	IC LC75342	
IC304	8-759-426-51	IC BA5417	
IC305	8-759-095-60	IC S-81250PG	
		< TERMINAL >	
J302	1-537-330-11	TERMINAL BOARD (SPEAKER IMPEDANCE 3.2Ω)	
		< COIL >	
L1	1-419-571-11	COIL, RF (FM TRACKING)	
L2	1-416-212-11	COIL, AIR-CORE (FM FREQUENCY COVERAGE)	
L3	1-501-762-41	ANTENNA, FERRITE-ROD (AM TRACKING)	
L4	1-411-234-21	COIL, AM OSC (AM FREQUENCY COVERAGE)	
L5	1-410-509-11	INDUCTOR 10uH	
L6	1-414-142-11	INDUCTOR 1uH	
L301	1-410-324-11	INDUCTOR 4.7uH	
L302	1-414-146-31	INDUCTOR 2.2uH	

Ref. No.	Part No.	Description	Remark
		< TRANSISTOR >	
Q1	8-729-036-77	TRANSISTOR KRC107M	
Q101	8-729-036-80	TRANSISTOR KRC110M	
Q102	8-729-036-89	TRANSISTOR KTC3198GR-AT	
Q201	8-729-036-80	TRANSISTOR KRC110M	
Q202	8-729-036-89	TRANSISTOR KTC3198GR-AT	
Q308	8-729-036-77	TRANSISTOR KRC107M	
Q311	8-729-037-17	TRANSISTOR KRA104M-AT	
Q312	8-729-036-77	TRANSISTOR KRC107M	
Q313	8-729-036-77	TRANSISTOR KRC107M	
Q314	8-729-040-76	TRANSISTOR KTA1273-Y-AT	
Q330	8-729-036-86	TRANSISTOR KTC3203Y-AT	
Q331	8-729-209-15	TRANSISTOR 2SD2012	
Q333	8-729-209-15	TRANSISTOR 2SD2012	
Q336	8-729-037-17	TRANSISTOR KRA104M-AT	
Q337	8-729-036-89	TRANSISTOR KTC3198GR-AT	
Q338	8-729-037-03	TRANSISTOR KTA1266GR-AT	
Q339	8-729-036-58	TRANSISTOR KRC102M-AT	
Q340	8-729-037-13	TRANSISTOR KTA1271Y	
Q350	8-729-037-17	TRANSISTOR KRA104M-AT	
Q353	8-729-037-03	TRANSISTOR KTA1266GR-AT	
Q354	8-729-036-77	TRANSISTOR KRC107M	
Q355	8-729-037-03	TRANSISTOR KTA1266GR-AT	
Q356	8-729-036-77	TRANSISTOR KRC107M	
Q357	8-729-037-03	TRANSISTOR KTA1266GR-AT	
		< RESISTOR >	
R1	1-247-887-00	CARBON 220K 5% 1/4W	
R2	1-247-843-11	CARBON 3.3K 5% 1/4W	
R3	1-249-441-11	CARBON 100K 5% 1/4W	
R4	1-249-431-11	CARBON 15K 5% 1/4W	
R5	1-249-429-11	CARBON 10K 5% 1/4W	
R6	1-247-887-00	CARBON 220K 5% 1/4W	
R7	1-247-807-31	CARBON 100 5% 1/4W	
R8	1-249-421-11	CARBON 2.2K 5% 1/4W	
R9	1-247-843-11	CARBON 3.3K 5% 1/4W	
R10	1-249-421-11	CARBON 2.2K 5% 1/4W	
R11	1-249-407-11	CARBON 150 5% 1/4W	
R12	1-249-413-11	CARBON 470 5% 1/4W	
R14	1-249-429-11	CARBON 10K 5% 1/4W	
R15	1-249-417-11	CARBON 1K 5% 1/4W	
R16	1-249-417-11	CARBON 1K 5% 1/4W	
R17	1-249-417-11	CARBON 1K 5% 1/4W	
R18	1-249-417-11	CARBON 1K 5% 1/4W	
R19	1-249-393-11	CARBON 10 5% 1/4W	
R20	1-247-815-91	CARBON 220 5% 1/4W	
R25	1-249-417-11	CARBON 1K 5% 1/4W	
R26	1-249-429-11	CARBON 10K 5% 1/4W	
R28	1-249-421-11	CARBON 2.2K 5% 1/4W	
R29	1-249-425-11	CARBON 4.7K 5% 1/4W	
R30	1-249-425-11	CARBON 4.7K 5% 1/4W	
R32	1-249-408-11	CARBON 180 5% 1/4W	
R33	1-249-415-11	CARBON 680 5% 1/4W	
R38	1-249-437-11	CARBON 47K 5% 1/4W	
R39	1-247-807-31	CARBON 100 5% 1/4W	
R106	1-249-417-11	CARBON 1K 5% 1/4W	
R107	1-247-863-91	CARBON 22K 5% 1/4W	

MAIN MEGA BASS PB

Ref. No.	Part No.	Description			Remark
R110	1-249-409-21	CARBON	220	5%	1/4W
R114	1-249-431-11	CARBON	15K	5%	1/4W
R115	1-249-425-11	CARBON	4.7K	5%	1/4W
R116	1-249-385-11	CARBON	2.2	5%	1/6W
R117	1-249-431-11	CARBON	15K	5%	1/4W
R118	1-249-425-11	CARBON	4.7K	5%	1/4W
R150	1-249-425-11	CARBON	4.7K	5%	1/4W
R152	1-249-426-11	CARBON	5.6K	5%	1/4W
R154	1-249-425-11	CARBON	4.7K	5%	1/4W
R155	1-249-425-11	CARBON	4.7K	5%	1/4W
R156	1-249-441-11	CARBON	100K	5%	1/4W
R159	1-247-863-91	CARBON	22K	5%	1/4W
R160	1-249-431-11	CARBON	15K	5%	1/4W
R206	1-249-417-11	CARBON	1K	5%	1/4W
R207	1-247-863-91	CARBON	22K	5%	1/4W
R210	1-247-815-91	CARBON	220	5%	1/4W
R214	1-249-431-11	CARBON	15K	5%	1/4W
R215	1-249-425-11	CARBON	4.7K	5%	1/4W
R216	1-249-385-11	CARBON	2.2	5%	1/6W
R217	1-249-431-11	CARBON	15K	5%	1/4W
R218	1-249-425-11	CARBON	4.7K	5%	1/4W
R250	1-249-425-11	CARBON	4.7K	5%	1/4W
R252	1-249-426-11	CARBON	5.6K	5%	1/4W
R254	1-249-425-11	CARBON	4.7K	5%	1/4W
R255	1-249-425-11	CARBON	4.7K	5%	1/4W
R256	1-249-441-11	CARBON	100K	5%	1/4W
R259	1-247-863-91	CARBON	22K	5%	1/4W
R260	1-249-431-11	CARBON	15K	5%	1/4W
R328	1-249-425-11	CARBON	4.7K	5%	1/4W
R329	1-249-437-11	CARBON	47K	5%	1/4W
R330	1-249-429-11	CARBON	10K	5%	1/4W
R331	1-249-417-11	CARBON	1K	5%	1/4W
R332	1-247-863-91	CARBON	22K	5%	1/4W
R333	1-249-437-11	CARBON	47K	5%	1/4W
R334	1-247-807-31	CARBON	100	5%	1/4W
R335	1-249-425-11	CARBON	4.7K	5%	1/4W
R336	1-249-437-11	CARBON	47K	5%	1/4W
R343	1-249-425-11	CARBON	4.7K	5%	1/4W
R345	1-249-437-11	CARBON	47K	5%	1/4W
R344	1-249-425-11	CARBON	4.7K	5%	1/4W
R350	1-249-417-11	CARBON	1K	5%	1/4W
R351	1-249-417-11	CARBON	1K	5%	1/4W
R352	1-249-417-11	CARBON	1K	5%	1/4W
R355	1-249-429-11	CARBON	10K	5%	1/4W
R356	1-249-441-11	CARBON	100K	5%	1/4W
R357	1-249-429-11	CARBON	10K	5%	1/4W
R358	1-249-437-11	CARBON	47K	5%	1/4W
R362	1-249-429-11	CARBON	10K	5%	1/4W
R365	1-247-807-31	CARBON	100	5%	1/4W
R366	1-249-417-11	CARBON	1K	5%	1/4W
R369	1-249-407-11	CARBON	150	5%	1/4W
R370	1-249-407-11	CARBON	150	5%	1/4W
R371	1-249-437-11	CARBON	47K	5%	1/4W
R372	1-249-437-11	CARBON	47K	5%	1/4W
R373	1-249-417-11	CARBON	1K	5%	1/4W
R376	1-249-407-11	CARBON	150	5%	1/4W
R377	1-249-437-11	CARBON	47K	5%	1/4W
R378	1-249-425-11	CARBON	4.7K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R380	1-249-417-11	CARBON	1K	5%	1/4W
R381	1-249-437-11	CARBON	47K	5%	1/4W
R382	1-249-429-11	CARBON	10K	5%	1/4W
R387	1-249-429-11	CARBON	10K	5%	1/4W
R388	1-247-807-31	CARBON	100	5%	1/4W
R389	1-247-807-31	CARBON	100	5%	1/4W
R390	1-247-807-31	CARBON	100	5%	1/4W
⚠R394	1-217-469-00	FUSIBLE	1	5%	1W F
		< VARIABLE RESISTOR >			
RV301	1-228-991-00	RES, ADJ	2.2K (TAPE SPEED)		
		< TRANSFORMER >			
T1	1-433-741-11	TRANSFORMER, IF (AM IF)			
T2	1-409-944-11	COIL (DET) (FM IF)			
		< VIBRATOR >			
X1	1-760-130-11	VIBRATOR, CRYSTAL (75kHz)			
**********					
*	1-677-746-11	MEGA BASS BOARD			
		**********			
		< SWITCH >			
S808	1-762-798-11	SWITCH,KEY BOARD (MEGA BASS)			
**********					
*	A-3322-597-A	PB BOARD, COMPLETE (DECK A)			
		**********			
		< CAPACITOR >			
C111	1-127-883-31	CERAMIC	0.039uF	5%	50V
C112	1-104-663-11	ELECT	33uF	20%	25V
C113	1-126-964-11	ELECT	10uF	20%	50V
C114	1-128-819-21	CERAMIC	680PF	5%	50V
C115	1-104-664-11	ELECT	47uF	20%	10V
C116	1-126-964-11	ELECT	10uF	20%	50V
C117	1-126-964-11	ELECT	10uF	20%	50V
C119	1-162-282-31	CERAMIC	100PF	5%	50V
C211	1-127-883-31	CERAMIC	0.039uF	5%	50V
C212	1-104-663-11	ELECT	33uF	20%	25V
C213	1-126-964-11	ELECT	10uF	20%	50V
C214	1-128-819-21	CERAMIC	680PF	5%	50V
C215	1-104-664-11	ELECT	47uF	20%	10V
C216	1-126-964-11	ELECT	10uF	20%	50V
C217	1-126-964-11	ELECT	10uF	20%	50V
C219	1-162-282-31	CERAMIC	100PF	5%	50V
		< CONNECTOR >			
CN302	1-691-574-11	CONNECTOR 3P			
		< TRANSISTOR >			
Q103	8-729-036-89	TRANSISTOR	KTC3198GR-AT		
Q104	8-729-036-89	TRANSISTOR	KTC3198GR-AT		
Q203	8-729-036-89	TRANSISTOR	KTC3198GR-AT		
Q204	8-729-036-89	TRANSISTOR	KTC3198GR-AT		

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

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R121	1-247-815-91	CARBON	220	5%	1/4W
R122	1-249-439-11	CARBON	68K	5%	1/4W
R123	1-249-403-11	CARBON	68	5%	1/4W
R124	1-247-883-00	CARBON	150K	5%	1/4W
R125	1-247-843-11	CARBON	3.3K	5%	1/4W
R126	1-249-424-11	CARBON	3.9K	5%	1/4W
R127	1-249-406-11	CARBON	120	5%	1/4W
R128	1-249-417-11	CARBON	1K	5%	1/4W
R131	1-247-843-11	CARBON	3.3K	5%	1/4W
R133	1-249-441-11	CARBON	100K	5%	1/4W
R221	1-247-815-91	CARBON	220	5%	1/4W
R222	1-249-439-11	CARBON	68K	5%	1/4W
R223	1-249-403-11	CARBON	68	5%	1/4W
R224	1-247-883-00	CARBON	150K	5%	1/4W
R225	1-247-843-11	CARBON	3.3K	5%	1/4W
R226	1-249-424-11	CARBON	3.9K	5%	1/4W
R227	1-249-406-11	CARBON	120	5%	1/4W
R228	1-249-417-11	CARBON	1K	5%	1/4W
R231	1-247-843-11	CARBON	3.3K	5%	1/4W
R233	1-249-441-11	CARBON	100K	5%	1/4W
**********					
*	1-677-753-11	POWER BOARD			
		**********			
	1-533-233-31	HOLDER, FUSE			
		< CAPACITOR >			
C901	1-161-055-00	CERAMIC	0.022uF	10%	50V
C902	1-161-055-00	CERAMIC	0.022uF	10%	50V
C903	1-161-055-00	CERAMIC	0.022uF	10%	50V
C904	1-161-055-00	CERAMIC	0.022uF	10%	50V
C906	1-161-055-00	CERAMIC	0.022uF	10%	50V
C907	1-161-055-00	CERAMIC	0.022uF	10%	50V
		< CONNECTOR >			
* CN901	1-506-780-11	PLUG, CONNECTOR (2.5mm) 5P			
		< DIODE >			
D901	8-719-046-07	DIODE 2A02M			
D902	8-719-046-07	DIODE 2A02M			
D903	8-719-046-07	DIODE 2A02M			
D904	8-719-046-07	DIODE 2A02M			
D906	8-719-050-84	DIODE RB441Q-40T-77			
D907	8-719-991-33	DIODE 1SS133T-77			
D908	8-719-153-42	DIODE RD2.7EB2TN			
		< FUSE >			
⚠F901	1-576-107-11	FUSE (3.15A/250V)			
		< JACK >			
⚠J901	1-540-009-11	INLET, AC (~AC IN)			
		< TRANSFORMER >			
⚠T901	1-433-709-11	TRANSFORMER, POWER			
**********					

Ref. No.	Part No.	Description			Remark
*	1-677-751-11	POWER KEY BOARD			
		**********			
		< SWITCH >			
S801	1-762-798-11	SWITCH, KEYBOARD (POWER)			
**********					
*	1-677-750-11	PRESET BOARD			
		**********			
		< CAPACITOR >			
C836	1-162-294-21	CERAMIC	1000PF	5%	50V
C837	1-162-294-21	CERAMIC	1000PF	5%	50V
		< CONNECTOR >			
* CN806	1-695-105-11	PIN, CONNECTOR (PC BOARD) 3P			
		< ENCODER >			
VR801	1-418-976-11	ENCODER (PRESET, TIME SET I◀◀, ▶▶I)			
**********					
*	A-3322-591-A	REC SW BOARD, COMPLETE (DECK B)			
		**********			
		< CAPACITOR >			
C101	1-162-301-11	CERAMIC	1500PF	5%	16V
C102	1-104-664-11	ELECT	47uF	20%	10V
C103	1-127-883-21	CERAMIC	0.039uF	10%	50V
C104	1-162-302-11	CERAMIC	2200PF	5%	16V
C105	1-162-215-31	CERAMIC	47PF	5%	50V
C106	1-126-960-11	ELECT	1uF	20%	50V
C107	1-162-282-31	CERAMIC	100PF	5%	50V
C201	1-162-301-11	CERAMIC	1500PF	5%	16V
C202	1-104-664-11	ELECT	47uF	20%	10V
C203	1-127-883-21	CERAMIC	0.039uF	10%	50V
C204	1-162-302-11	CERAMIC	2200PF	5%	16V
C205	1-162-215-31	CERAMIC	47PF	5%	50V
C206	1-126-960-11	ELECT	1uF	20%	50V
C207	1-162-282-31	CERAMIC	100PF	5%	50V
C301	1-104-665-11	ELECT	100uF	20%	10V
C302	1-104-665-11	ELECT	100uF	20%	10V
C303	1-104-665-11	ELECT	100uF	20%	10V
C304	1-104-664-11	ELECT	47uF	20%	10V
C305	1-136-357-11	MYLAR	680PF	5%	100V
C306	1-162-306-11	CERAMIC	0.01uF	10%	50V
C307	1-162-301-11	CERAMIC	1500PF	5%	16V
C308	1-162-301-11	CERAMIC	100PF	5%	50V
C309	1-162-301-11	CERAMIC	100PF	5%	50V
C310	1-162-301-11	CERAMIC	100PF	5%	50V
C311	1-136-356-11	CERAMIC	470PF	5%	100V
C312	1-161-494-00	CERAMIC	0.022uF		25V
		< CONNECTOR >			
CN301	1-695-106-11	PIN, CONNECTOR 4P			
CN304	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			

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Replace only with part number specified.

REC SW | VOLUME

Ref. No.	Part No.	Description			Remark
		< DIODE >			
D301	8-719-991-33	DIODE 1SS133T-77			
		< IC >			
IC301	8-759-264-71	IC TA2068N			
		< TRANSISTOR >			
Q301	8-729-036-89	TRANSISTOR KTC3198GR-AT			
Q310	8-729-036-77	TRANSISTOR KRC107M			
		< RESISTOR >			
R101	1-249-431-11	CARBON	15K	5%	1/4W
R102	1-249-417-11	CARBON	1K	5%	1/4W
R103	1-249-441-11	CARBON	100K	5%	1/4W
R104	1-247-843-11	CARBON	3.3K	5%	1/4W
R108	1-249-404-00	CARBON	82	5%	1/4W
R112	1-247-807-31	CARBON	100	5%	1/4W
R129	1-249-417-11	CARBON	1K	5%	1/4W
R201	1-249-431-11	CARBON	15K	5%	1/4W
R202	1-249-417-11	CARBON	1K	5%	1/4W
R203	1-249-441-11	CARBON	100K	5%	1/4W
R204	1-247-843-11	CARBON	3.3K	5%	1/4W
R208	1-249-404-00	CARBON	82	5%	1/4W
R212	1-247-807-31	CARBON	100	5%	1/4W
R229	1-249-417-11	CARBON	1K	5%	1/4W
R301	1-247-903-00	CARBON	1M	5%	1/4W
R303	1-249-417-11	CARBON	1K	5%	1/4W
R304	1-249-417-11	CARBON	1K	5%	1/4W
R305	1-249-408-11	CARBON	180	5%	1/4W
R306	1-249-427-11	CARBON	6.8K	5%	1/4W
R308	1-247-863-91	CARBON	22K	5%	1/4W
R309	1-249-401-11	CARBON	47	5%	1/4W
R310	1-249-441-11	CARBON	100K	5%	1/4W
R315	1-249-391-11	CARBON	6.8	5%	1/4W
		< SWITCH>			
S301	1-692-167-11	SWITCH, SLIDE (REC/PB)			
		< TRANSFORMER>			
T301	1-416-041-11	TRANSFORMER, BIAS OSCILLATION			

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*	1-677-749-11	VOLUME BOARD			
		**********			
		< CAPACITOR >			
C838	1-162-294-21	CERAMIC	1000PF	5%	50V
C839	1-162-294-21	CERAMIC	1000PF	5%	50V
		< CONNECTOR >			

* CN807 1-695-105-11 PIN, CONNECTOR (PC BOARD) 3P

	< ENCODER >	
VR802	1-418-632-11	ENCODER (VOLUME)

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Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
13	1-533-233-31	HOLDER, FUSE	
79	1-792-553-11	WIRE, PARALLEL (23 CORE)	
85	1-790-241-11	WIRE, PARALLEL (FFC) (10 CORE)	
105	1-452-899-11	MAGNET	
* 112	1-790-242-11	WIRE, PARALLEL (FFC) (16 CORE)	
402	X-2626-202-1	MOTOR SHASSIS ASSY (MB) (INCLUDING M701) (SPINDLE)	
⚠403	8-848-483-05	OPTICAL PICK-UP KSS-213C	
ANT1	1-754-134-11	ANTENNA, TELESCOPIC	
⚠F901	1-576-107-11	FUSE (3.15A/250V)	
HE301	1-543-876-11	HEAD (ERASE)	
HP301	1-543-714-31	HEAD, MAGNETIC (PLAYBACK)	
HRP301	1-543-714-31	HEAD, MAGNETIC (RECORD/PLAYBACK)	
LCD801	1-803-965-11	DISPLAY PANEL, LIQUID CRYSTAL	
M301	A-3328-913-A	MOTOR ASSY (W) (CAPSTAN/REEL) (INCLUDING PULLEY)	
M702	X-2625-769-1	MOTOR GEAR ASSY (MB) (SLED) (INCLUDING GEAR)	
S304	1-771-686-11	SWITCH, LEAF(MD POWER)	
S305	1-692-302-11	SWITCH, LEAF (MD PLAY)	
S306	1-692-302-11	SWITCH, LEAF (MD PLAY)	
S307	1-771-686-11	SWITCH, LEAF(MD POWER)	
S901	1-692-960-11	SWITCH, PUSH (1 KEY) (CD DOOR OPEN/CLOSE)	
⚠T901	1-433-709-11	TRANSFORMER, POWER	
SP901	1-529-245-11	SPEAKER (10cm) (L-CH)	
SP902	1-529-245-11	SPEAKER (10cm) (R-CH)	

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		ACCESSORIES & PACKING MATERIALS	
		**********	
⚠	1-783-878-11	CORD, POWER	
	3-027-153-11	LID, BATTERY CASE (FOR RMT-CZW750A)	
	3-046-018-11	MANUAL, INSTRUCTION (ENGLISH)	
	A-3250-915-A	REMOTE COMMANDER RMT-CZW750A	

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		**********	
		HARDWARE LIST	
		**********	
#1	7-685-649-79	SCREW +BVTP 3X14 TYPE2 N-S	
#2	7-682-548-04	SCREW +B 3X8	
#3	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#4	7-685-648-79	SCREW +BVTP 3X12 TYPE2 N-S	
#5	7-685-783-09	SCREW +PTT 2X6 (S)	
#6	7-685-782-01	SCREW +PTT 2X5 (S)	
#8	7-685-000-12	SCREW +PTPWH 2X4 TYPE2	
#9	7-685-533-19	SCREW +BTP 2.6X6 TYPE2 N-S	
#10	7-685-647-79	SCREW +P 3X10 TYPE1	
#11	7-685-903-31	SCREW +PTPWH 3X10 (TYPE2)	

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Sony Corporation
Personal Audio Division Company

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