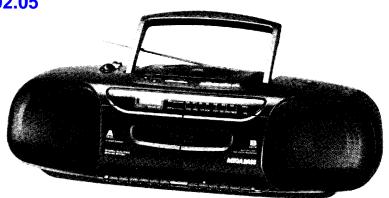
CFD-112

SERVICE MANUAL

AEP Model

Ver 1.1 2002.05



MEGA BASS

Model Name Using Similar Mechanism	CFD-10
Optical Device Name	KSM-2101BAN
Tape Transport Mechanism Type	MF-W308-64

SPECIFICATIONS

CD player section

System

Laser diode properties

Compact disc digital audio system

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.) 200 r/min (rpm) to 500 r/min (rpm)

Cross Interleave Reed Solomon Code

Spindle speed (CLV)

Sony Refined Super Strategy

Number of channels

Error correction

Frequency response Wow and flutter

20-20,000 Hz +1/-2 dB Below measurable limit

Radio section

Frequency range

FΜ

ΔM

87.6-107 MHz

531-1602 kHz

IF

FM: 10.7 MHz

AM: 455 kHz

Aerial

FM: Telescopic aerial AM: Built-in ferrite bar aerial Cassette-corder section

Recording system Frequency response 4-track 2-channel stereo TYPE I (normal) cassette:

70-10,000 Hz

General

Speaker

Full range:

Inputs

Outputs

10 cm dia., 3.2 ohms cone type Mixing microphone input jack

(minijack):

Sensitivity 3 mV

For low impedance microphone

Headphones jack (stereo minijack): For 16-68 ohms impedance

headphones

Maximum power output

2.3 W + 2.3 W

- Continued on next page -

9-959-387-12

Sony Corporation

2002E0500-1

Personal Audio Company

© 2002.05

Published by Sony Engineering Corporation

CD RADIO CASSETTE-CORDER SONY Power requirements

220-230 V AC, 50 Hz

DC 9 V, 6 R20 (size D) batteries

Power consumption

17 W

For CD radio cassette-corder:

•	FM recording	Tape playback	CD playback
Sony SUM-1 (NS)	approx. 15 h	approx. 6 h	approx. 3 h
Sony Alkaline AM1	approx. 24 h	approx. 15 h	approx. 8 h

Dimensions

Battery life

Approx. $591 \times 177 \times 267 \text{ mm (w/h/d)}$

incl. projecting parts

Mass

5 kg (11 lb) (incl. batteries)

Supplied accessories

Mains lead (1)

Design and specifications subject to change without notice.

Information

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

CLASS 1 LASER PRODUCT LUOKAN 1 LASERLAITE KLASS1 LASERAPPARAT This Compact Disc player is classified as a CLASS 1 LASER product. The CLASS 1 LASER

PRODUCT label is located on the rear exterior.

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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK A 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

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.

Note:

This set employs three ceramic filters (CF1, 3 and 4) which should have the same color marking to identify their center frequency.

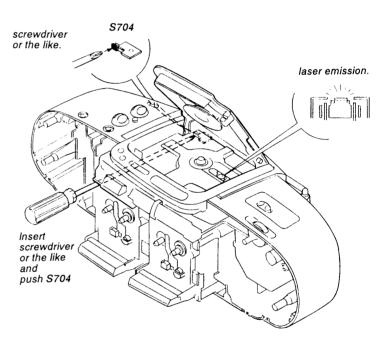
mark1 mark2	mark l	mark 2	Carrier Frequency
es es	red		10.70 MHz
	blue	-	10.67 MHz
	orange	-	10.73 MHz
	black	_	10.64 MHz
	white		10.76 MHz
	white	white	10.75 MHz
	yellow	_	10.79 MHz

LASER DIODE AND FOCUS SEARCH OPERATION CHECK

- Make Function switch to CD position with no disc inserted.
- 2. Open the lid for CD.
- 3. Turn on S801 as following figure.
- 4. Press ▶ key.

search.

 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 once for the focus



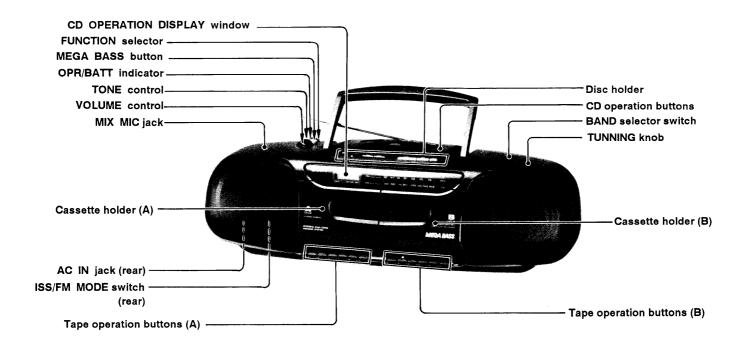
CHUCK PLATE JIG ON REPAIRING

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

SECTION 2 GENERAL

• Parts Identification



SECTION 3 DISASSEMBLY

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

POWER BAORD FRONT CABINET ASS'Y 2 power board front cabinet ass'y Open the cassette lid by pushing the eject button. handle ass'y **②** +BVTP3 × 14 **1 €** +PTPWH3 × 12 handle ass'y stopping screw **②** +BVTP3 × 14 **②** +BVTP3 × 14 battery case lid CD ASS'Y, MAIN BOARD DIAL CHASSIS ASS'Y ◆ Volume/Tone knobs MD ASS'Y 6 main board **1** +BVTP3 × 10 1 tuner chassis (B) ass'y **6** +PVTP3 × 10 ° **●** +BVTP3 × 10 **②** +BVTP3 × 10 **②** +BVTP3 × 14 ^⑤ **1** +BVTP3 × 10 **❸** CD ass'y **1** +BVTP3 × 10 MD ass'y

SECTION 4 MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

record/playback head pinch roller erase head rubber belts capstan idlers

2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)

- 3. Do not use a magnetized screwdriver for the adjustments.
- After the adjustments, apply suitable locking compound to the parts adjusted.
- The adjustments should be performed with the rated power supply voltage unless otherwise noted.
- 6. Power supply voltge: 9V dc.

Torque Measurement

Torque	Meter Reading	Torque Meter
Forward	22.5 - 55 g•cm (0.31 - 0.76 oz•inch)	CQ-102C
Fast Forward and Rewind	60 - 120 g•cm (0.83 - 1.67 oz•inch)	CQ-201B
Back Tension	2 - 5g•cm (0.03 - 0.07 oz•inch)	CQ-102C

Tape Tension Measurement

Meter	Meter Reading
CQ-403A	more than 150 g (5.29 oz)

SECTION 5 ELECTRICAL ADJUSTMENTS

PRECAUTION

- Adjustments should be performed in the order given.
 Generally playback circuit adjustments should be completed before performing recording circuit adjustments.
- Adjustments should be performed for both L-ch and R-ch. Switches and controls should be set as follows unless otherwise specified.

• Positions of switches and control knobs

• Standard recording position

Adjust the VOLUME knob so that the following regulated input/output signal levels are obtained.

Standard input level

	MIX MIC
Signal source impedance	300 Ω
Input signal level	4.8 mV (- 48 dB)
Frequency	1 kHz

Standard output level

Output Pin	PHONES
Signal source impedance	32 Ω
Output signal level	0.245 V (- 10 dB)

0 dB=0.775 V

5-1. TAPE RECORDER SECTION

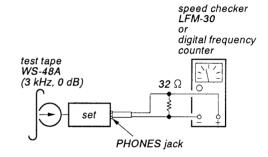
• Test Tape

Type	Signal	Used for
WS-48A	3 kHz, 0 dB	tape speed adjustment

Tape Speed Adjustment DECK A DECK B

Procedure:

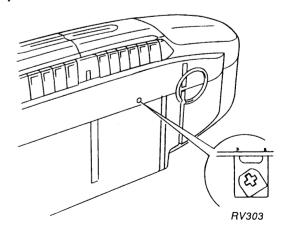
Mode: playback



Speed	Adjustment point	Speed checker reading	Frequency counter
normal	RV303	- 0.5 to 0.5%	$3,000 \pm 15 \text{Hz}$

Frequency difference between the top and end should be within 1.5% (45 Hz).

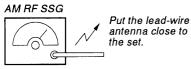
Adjustment Location: MD board



5-2. TUNER SECTION $OdB = 1 \mu V$

[AM

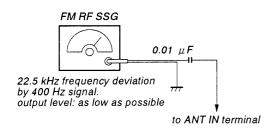
FUNCTION switch: RADIO BAND switch: MW, LW

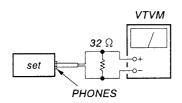


30% amplitude modulation by 400 Hz signal output level: as low as possible

[FM]

FUNCTION switch: RADIO BAND switch: FM





 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 VTVM.	
T1	455 kHz	

AN	FREQUENCY COVERAGE ADJUSTMENT
	Adjust for a maximum reading on VTVM.
L4	515 kHz
CT4	1,680 kHz

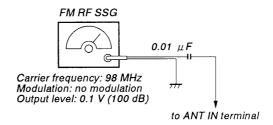
	AM TRACKING ADJUSTMENT	
	Adjust for a maximum reading on VTVM.	
L3	600 kHz	
CT3	1,400 kHz	

FM	FREQUENCY COVERAGE ADJUSTMENT
	Adjust for a maximum reading on VTVM.
L2	87.35 MHz
CT2	107.8 MHz

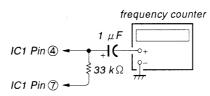
	FM TRACKING ADJUSTMENT
	Adjust for a maximum reading on VTVM.
L1	87.35 MHz
CT1	107.8 MHz

FM VCO Adjustment

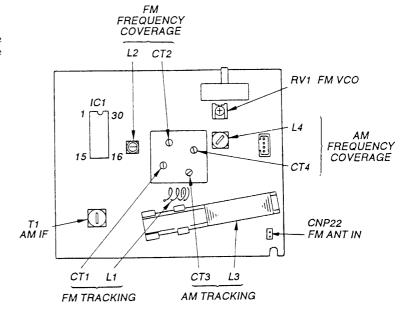
Procedure:



- 1. Connect frequency counter to the positions shown below.
- . Tune the set to 98 MHz.
- 3. Adjust RV1 for 76 kHz \pm 500 Hz reading on the frequency counter.



• Adjusting Parts Location



5-3. CD SECTION

Notes on Adjustment

- Perform adjustment in service mode.
 After adjustment, be sure to release service mode.
- 2. Perform adjustments in the order given.
- 3. Use the disc (YEDS-18, Part No. 3-702-101-01) only when so indicated.

Before Adjustment

Put the set into service mode and perform the following checks. Repair if there are any problems.

- Sled Motor Check
- Press key for long.

FOP moves to the outer circumference

FOP moves to the inner circumference

- 3. Press key for long.
- Confirm that FOP moving operations stops. If it does not, press
 key again longer.

• Focus Search Check

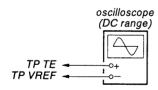
- Press key.
- 2. Press ▶ key. (Focus search operation is performed continuously.)
- 3. Look at the FOP objective lens and confirm that it moves up and down smoothly, with no catching or abnormal noises.
- 4. Press key for long.
- Confirm that focus search operation stops. If it does not, press key again longer.

How to Put the Set into Service Mode

- 1. Short-circuit between TP TEST and ground on the CD main board.
- 2. Tune POWER on. (Set the FUNCTION switch to CD position.)
- 3. LCD801 indicator blinks the test mode pattern.

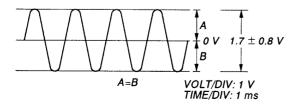
E-F Balance Adjustment

This adjustment is to be done when the optical block is replaced.



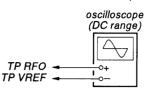
Adjustment Procedure:

- 1. Connect the oscilloscope between TP TE and TP VREF.
- 2. Put the set into service mode. (See page 10)
- 3. Press ▶▶ and ◄◄ keys to move the FOP to the center.
- 4. Insert disc (YEDS-18) and press ▶ key.
- Adjust RV701 so that the oscilloscope traverse waveform is symmetrical, as shown in the figure below.
- 6. Release service mode after adjustment is completed.



Focus Blas Adjustment

This adjustment is to be done when the optical block is replaced.

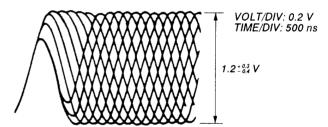


Adjustment Procedure:

- Connect the oscilloscope between TP RFO and TP VREF.
- 2. Put the set into service mode. (See page 9)
- Press >> and |
 keys to move the FOP to the center. (Move the FOP to the music area on the disc to enable easy visibility of the eye pattern.)
- Insert disc (YEDS-18) and press ► key.
- 5. Press | key (Tracking and sledding go on).
- 6. Adjust RV702 so that the oscilloscope waveform is as shown in the figure below (eye pattern).

A good eye pattern means that the diamond shape (\diamondsuit) in the center of the waveform can be clearly distinguished.

- 7. Release service mode after adjustment is completed.
- RF signal reference waveform (eye pattern)



When observing the eye patern, set the oscilloscope for AC range and raise vertical sensitivity.

REFERENCE

Focus/Tracking Gain Adjustment

A frequency response analyzer is necessary in order to perform this adjustment exactly.

However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.

Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate.

However, as these reciprocate, the adjustment is at the point where both are satisfied.

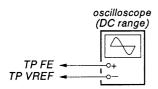
- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

Gain Symptoms	Focus	Tracking
• The time until music starts becomes longer for STOP → ▶ PLAY or automatic selection (★ , ▶) buttons pressed). (Normally takes about 2 seconds.)	low	low or high
 Music does not start and disc continues to rotate for STOP → PLAY or automatic selection (► , b) buttons pressed). 		low
Sound is interrupted during PLAY. Or time counter display stops progressing.	_	low
• More noise during 2-axis device operation.	high	high

The following is a simple adjustment method.

- Simple Adjustment -

Note: Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment. If the positions after the simple adjustment are only a little different, return the controls to the original position.



Procedure:

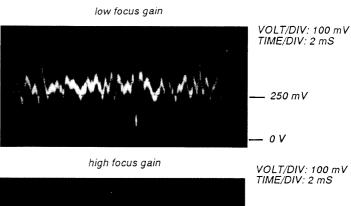
Keep the set horizontal.

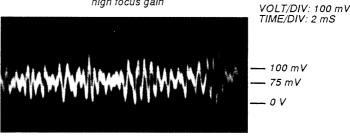
If the set is not horizontal, this adjustment cannot be performed due to the gravity against the 2-axis device.

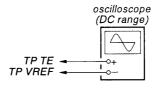
- 2. Put the set into service mode.
- 3. Insert disc (YEDS-18) and press ▶ PLAY button. (Focus on)
- 4. Press | key. (Tracking and sledding go on.)
- 5. Connect oscilloscope between TP FE and TP VREF.
- Adjustment RV703 so that the waveform is as shown in the figure below. (focus gain adjustment)



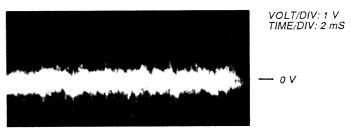
Incorrent Examples (DC level changes more than on adjusted waveform)



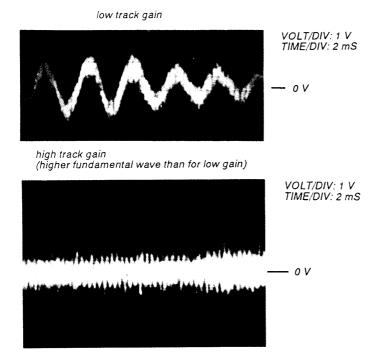




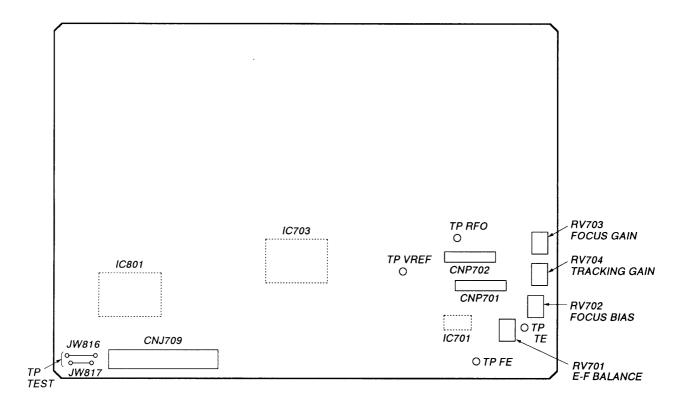
- 7. Connect the oscilloscope between TP TE and TP VREF.
- 8. Adjust RV704 so that the waveform is as shown in the figure below. (tracking gain adjustment)



• Incorrect Examples (fundamental wave appears)

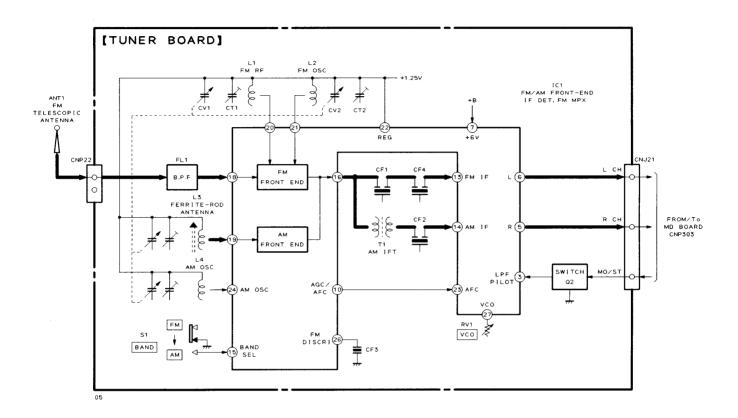


Adjustment Location: CD main board (conductor side)

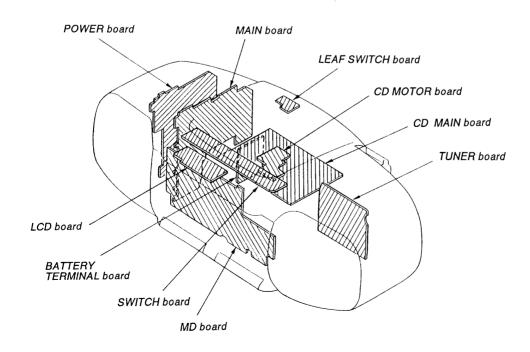


SECTION 6 DIAGRAMS

6-1. TUNER SECTION BLOCK DIAGRAM

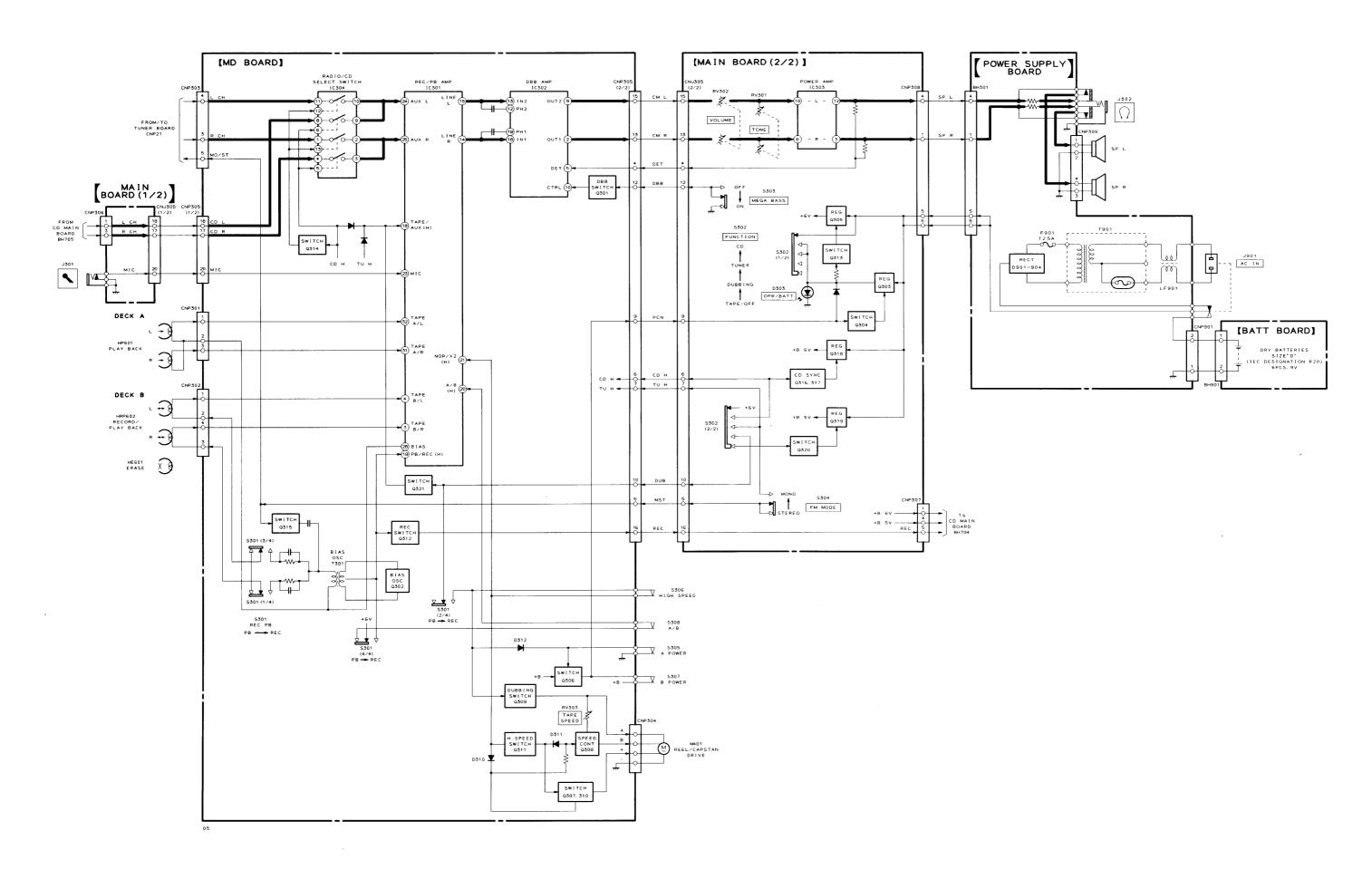


• Circuit Boards Location

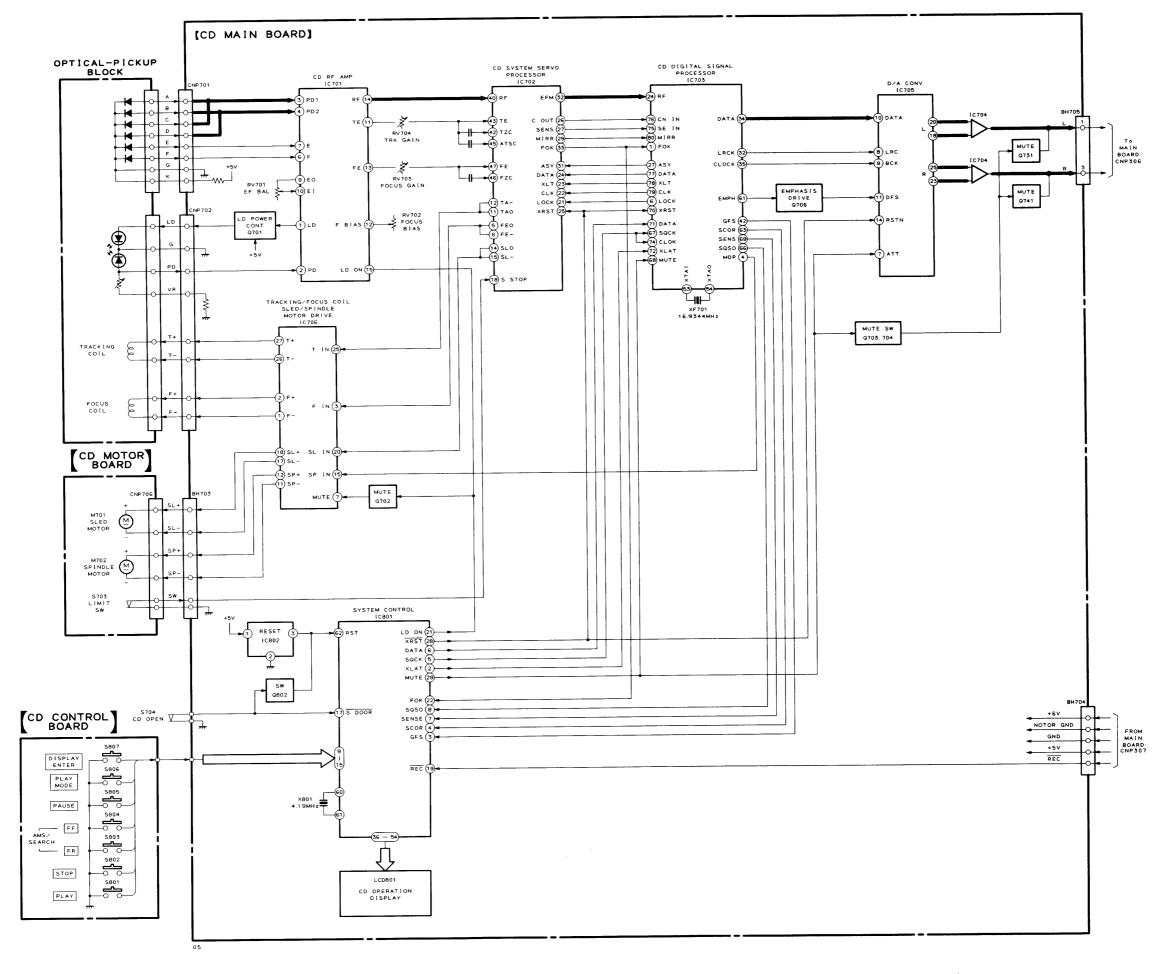


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6-2. MD/MAIN/POWER SECTION BLOCK DIAGRAM



6-3. CD SECTION BLOCK DIAGRAM



CFD-112 6-4. TUNER SECTION PRINTED WIRING BOARD AND SCHEMATIC DIAGRAM • See page 38 for Semiconductor Lead Layouts. 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 2 [TUNER BOARD] ANTI FM TELESCOPIC ANTENNA [TUNER BOARD] CTI-4,CVI-4 ↓ C4 T+ 10/50V TUNING C AM FERRITE-ROD C1 220p ANTENNA TO AUDIO BOARD CNP303 (See page 20) ANT I FM TELESCOPIC ANTENNA AM TRACKING CXA1238S FM/AM FRONT-END, IF AMP, R6 100× ± C24 ± 4.7/50V C10 3.3p DET, FM MPX Εİ GNÐ FE RF IN MPX REG VCO FM DISCRI BANÐ SELECT IF. DET AGC TUNING GND AFC AGC AFC FM |F |N FILTER ı — 644 — 209 — 000 CF2 • IC Block Diagram 0.1/50V T₊ C34 <u>↓</u> IC1 CXA1238S Semiconductor R10 82 GND PLL LPI MPX REI MUTE AM OSC AFG FM REG Location TO MD BOARD CNP303 BAND FM Ref. No. Location (See page 23) IC1 B-5 C-2 **Q2** REG VCO MPX REG. • O----: parts extracted from the component side. • []- : indicates side identified with part number. △ : internal component. TUNING INDICATOR All capacitors are in μF unless otherwise noted. pF: μμF B + Line. adjustment for repair. 50 WV or less are not indicated except for electrolytics Voltages and waveforms are dc with respect to ground under and tantalums. • All resistors are in Ω and $\frac{1}{4}$ W or less unless otherwise no-signal (detuned) conditions. no mark : FM specified.

△ : internal component.

(): AM

tolerances.

Voltages are taken with a VOM (10 MΩ/V).

Voltage variations may be noted due to normal production

AGC AFCZ (
GND (
TUNE IND (
FM IF IN (

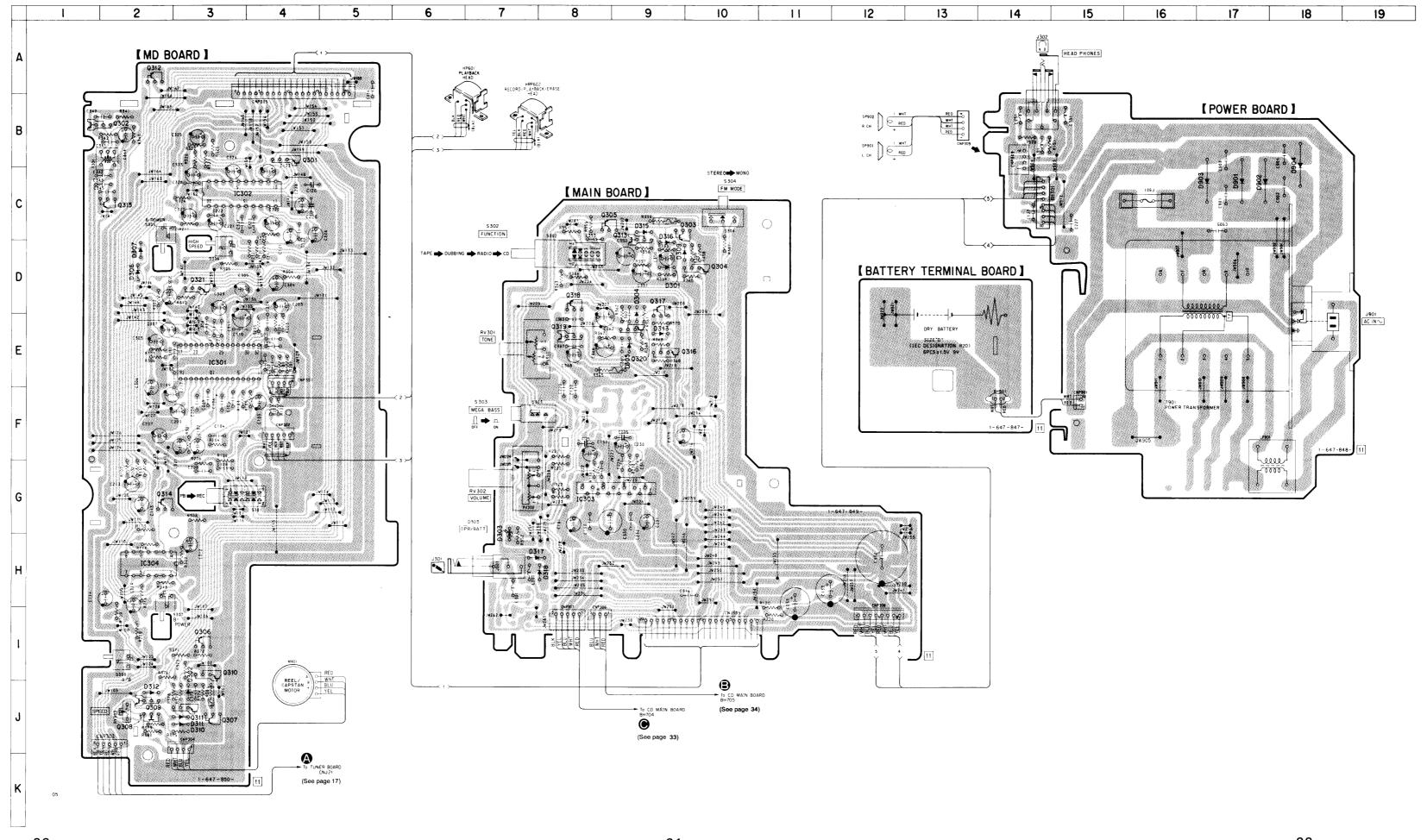
AM IF IN (

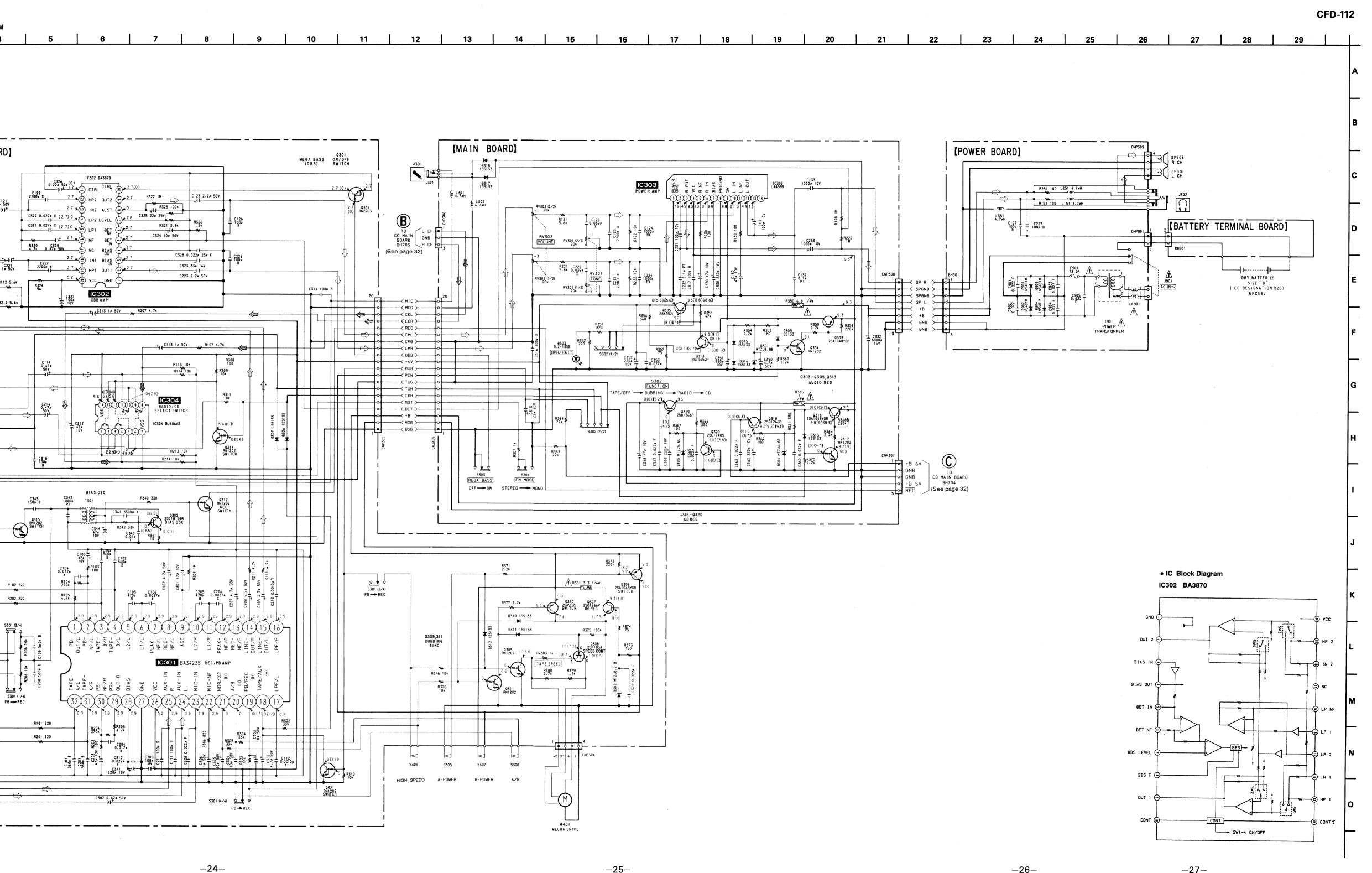
-17-

6-5. MD/MAIN/POWER SECTION PRINTED WIRING BOARDS • See page 38 for Semiconductor Lead Layouts.

Semiconductor
 Location

Locatio	n
Ref. No.	Location
D301 D302 D303 D304 D305 D306 D307 D309 D310 D311 D312 D313 D315 D316 D317 D318 D901 D902 D903 D904	D-9 J-3 G-7 D-9 E-9 D-2 D-9 J-3 J-2 E-9 C-9 H-7 H-7 C-17 C-16
1C301 1C302 1C303 1C304	E-3 C-3 G-8 H-2
0301 0302 0303 0304 0305 0306 0307 0308 0309 0310 0311 0312 0313 0314 0315 0316 0317 0318 0319 0320 0321	B-1 B-9 9-3 1-3 1-2 1-3 1-3 1-2 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3





Note on Printed Wiring Board: o----: parts extracted from the component side. Note on Schematic Diagram: 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.

• tusible resistor. Note: The components identified by mark A or dotted line with mark A are critical for safety. Replace only with part number specified. panel designation. B + Line.
adjustment for repair. Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions. no mark: STOP): TAPE REC]: RADIO < >: MEGA BASS ON (): CD PLAY Voltages are taken with a VOM (10 MΩ/V). Voltage variations may be noted due to normal production tolerances. Signal path. ⇒ : FM PB (DECK A)

REC (DECK A) • * : Impossible to measure the voltage at the marked points. -23-

6-6. MD/MAIN/POWER SECTION SCHEMATIC DIAGRAM

TUNER BOARD CNJ21
(See page 19)

MO/ST 5

L CH
R CH
GNÐ
TU +6V

HE 601 X

HRP602 RECORÐ/PLAYBACK

HP601 PLAYBACK

05

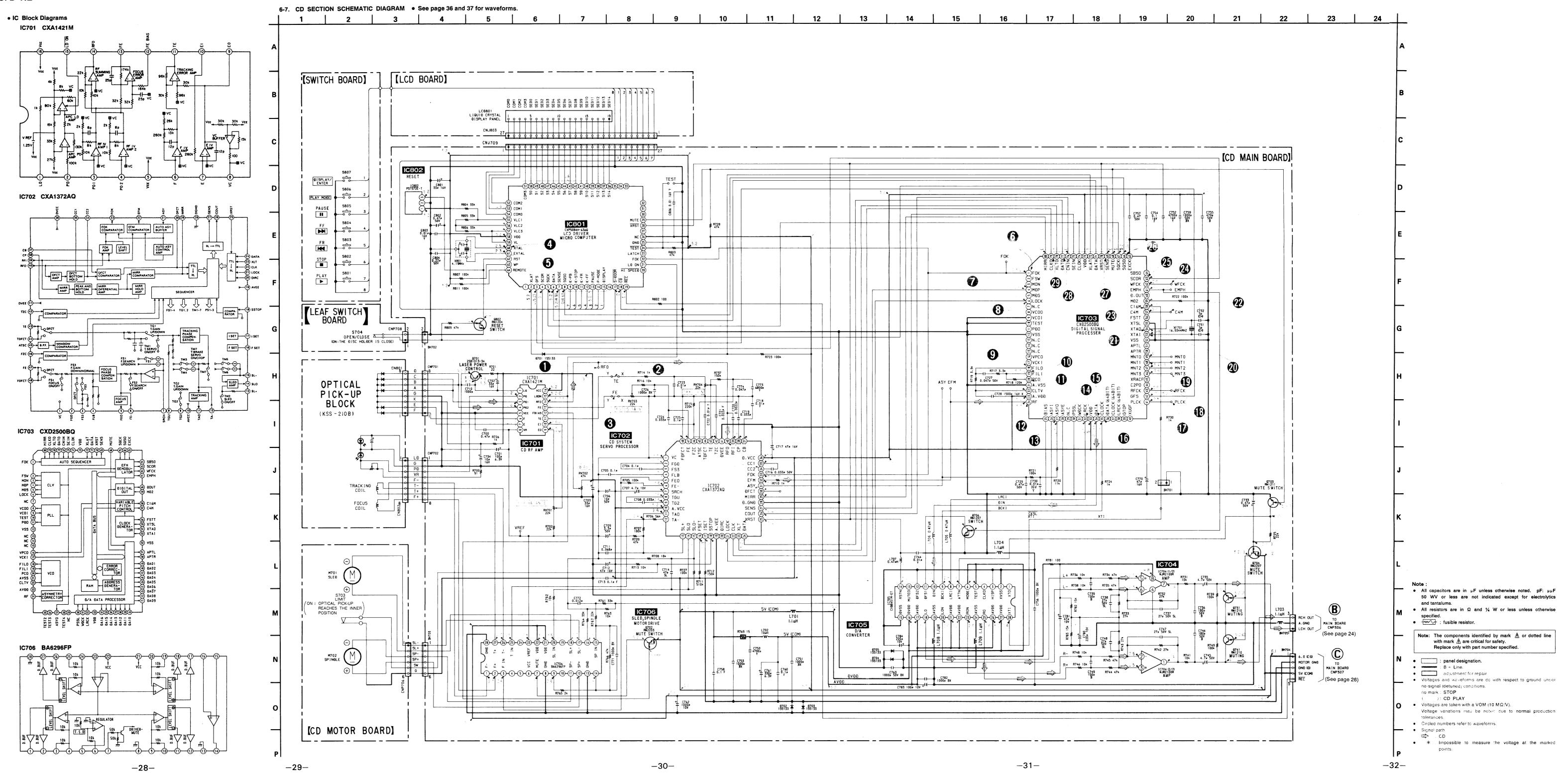
ĐECK B

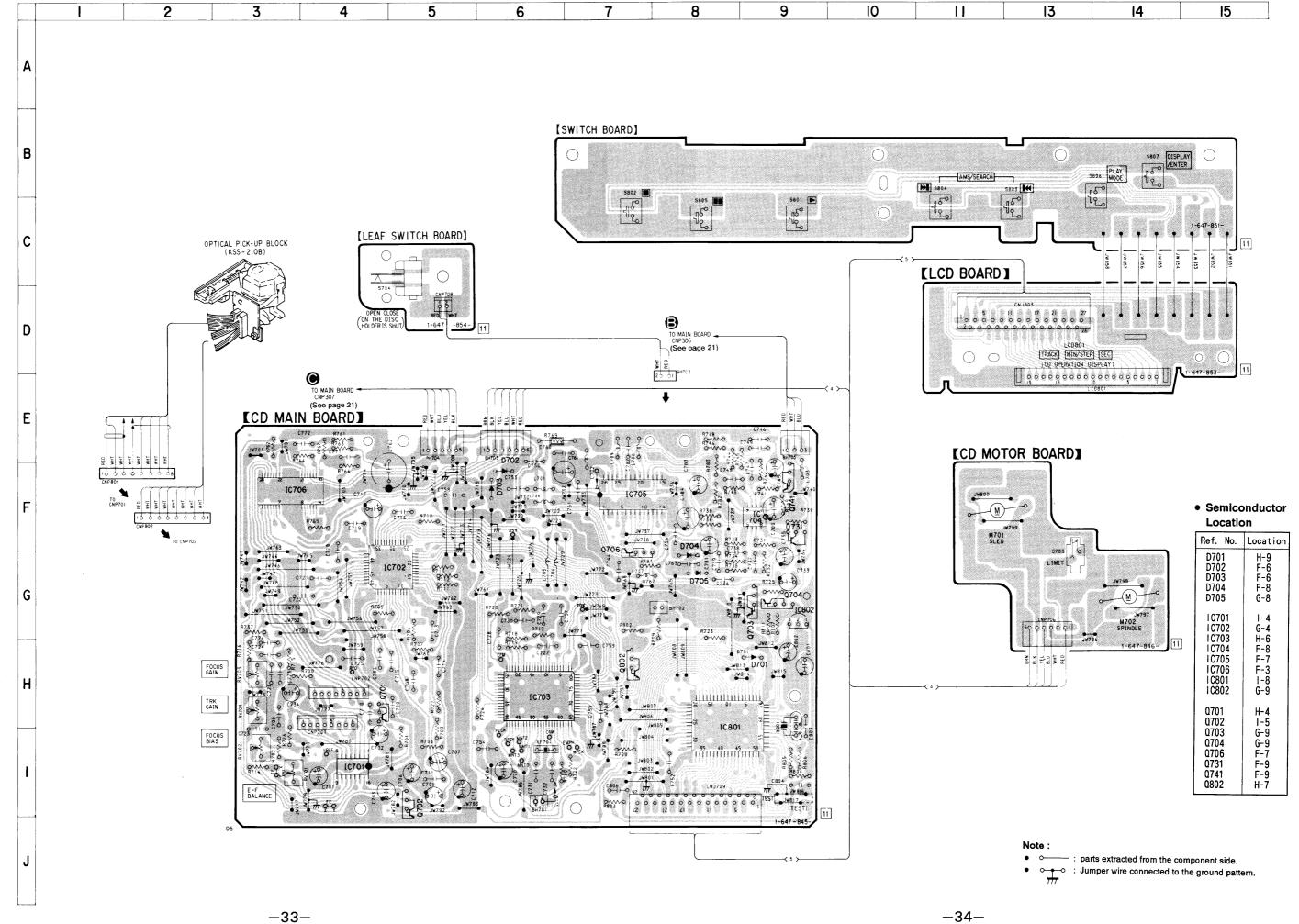
3

[MD BOARD]

R212 5.6k

R202 220





• IC Pin Description CD MAIN BOARD IC801 CXP5084H-636Q

Pin No.	Name	I/O	Description	Pin No.
1	_		not used	55
2	XLAT	0	System latch	- 57
3	GFS	I	Guard frame SYNC	58
4	SCOR	I	SUB Q SYNC signal	59
5	SQCK	0	System clock	60
6	DATA	0	System data	61
7	SENSE	I	Sense	62
8	SQSO	I	SUB Q	63
9	K-PB	I	PLAY key input	64
10	K-STOP	I	STOP key input	
11	K-FR	I	[KI], ⟨Key input	1
12	K-FF	I	DD, DD key input	1
13	PAUSE	I	[] key input	
14	P-MODE	I	PLAY MODE key input]
15	DISPLAY	I	Remain key input	
16		_	not used	
17	S-DOOR	I	CD holder open/close detection	
18	CD	I	Low at Function CD (not used)	
19	REC	I	Low at Rec	
20	HI SPEED	I	Low at High Speed Rec (not used)	
21	LD ON	0	Laser ON, BTL Mute	
22	FOK	I	Focus OK input	
23	LATCH	0	DF latch output (not used)	
24	TEST	I	Test terminal	1
25	GND	_	GND	
26	NC		not used	
27	_		not used	
28	XRST	0	Systen reset	
29	MUTE	0	Mute at high, digital and analog mute	
30 1 35		_	not used	
36	S14			
≀ 50	≀ S0	0	LCD segment pin (15 pcs.)	
51	COM3			1
≀ 54	COM0	0	LCD common pin 1/4 duty	

Name

VLC1

V_LC₃

 V_{DD}

 V_L

XTAL

EXTAL

RST

WP

REMOTE

I/O

0

Ο

I/O

I

I

 V_{DD}

Cut-off output

Reset pin

Remote

Description

LCD bias supply pin 1/3 Bias

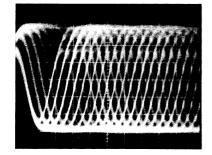
Clock output (4.19 MHz)

Clock input (4.19 MHz)

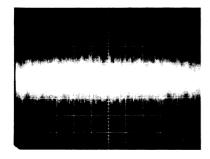
On at Wakeup "High"

Waveforms

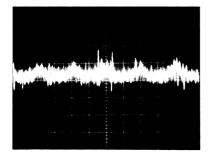
1.2Vp-p 1 μ s/DIV



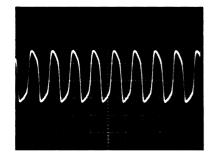
2 TP TE 600mVp-p 2 μ s/DIV



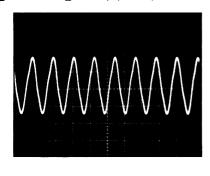
TP FE 10mV/DIV 5ms/DIV



4 IC801 **60** 6Vp-p 0.2 μ s/DIV



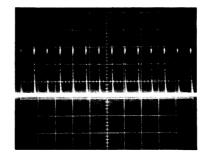
6 IC801 **6** 6.5Vp-p 0.2 μ s/DIV



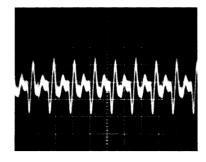
6 IC703 ① 200mVp-p 10 μ s/DIV



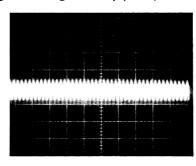
7 IC703 ④ 2.8Vp-p 10 μs/DIV



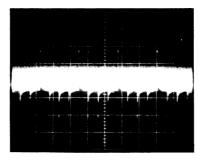
8 IC703 **6** 320mVp-p 0.1 μs/DIV



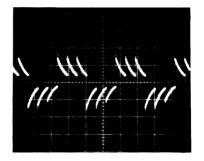
9 IC703 **®** 120mVp-p 50 μs/DIV



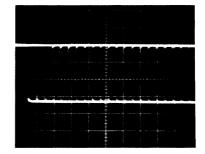
1 IC703 (9) 200mVp-p 5 μs/DIV



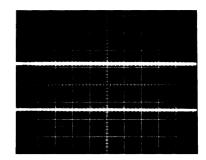
1 IC703 **2** 6Vp-p 5 μs/DIV



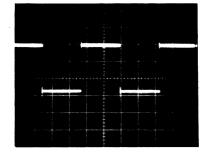
1 IC703 **2** 3.5Vp-p 1 μ s/DIV



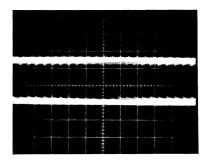
13 IC703 ② 5.5Vp-p 1 μs/DIV



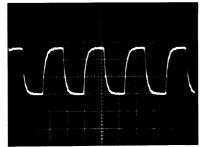
1 IC703 **3** 5.4Vp-p 5 μs/DIV



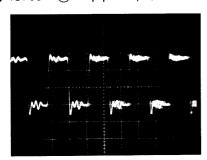
15 IC703 **34** 6Vp-p 1 μs/DIV



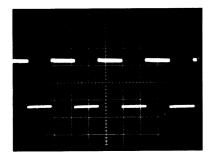




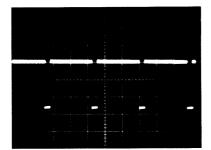
IC703 4 7Vp-p 0.1 μs/DIV



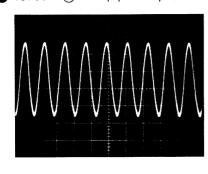
IC703 **4** 5.4Vp-p 50 μs/DIV



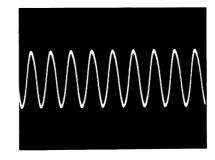
IC703 **4** 6 5.4Vp-p 50 μs/DIV



3 IC703 **5** 2.3Vp-p $0.05 \mu \text{s/DIV}$



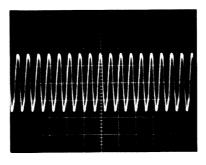
IC703 **6** 6.8Vp-p 0.05 μs/DIV



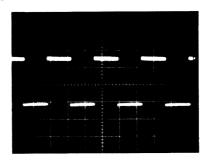
IC703 ⑤ 7Vp-p 0.1 μs/DIV



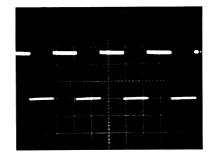
IC703 **5**8 6.8Vp-p 0.1 μs/DIV



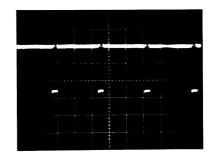
IC703 **⑥** 5.4Vp-p 50 μs/DIV



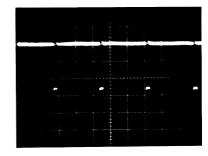
IC703 **6** 5.4Vp-p 50 μs/DIV



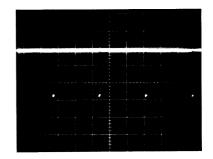
3 IC703 6 5.2Vp-p 5ms/DIV



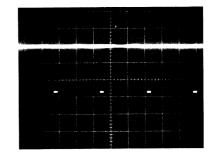
3 IC703 6 5.2Vp-p 5ms/DIV



3 IC703 7 5Vp-p 5ms/DIV

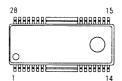


IC703 **(3)** 5.2Vp-p 5ms/DIV



• Semiconductor Lead Layouts

BA6296FP



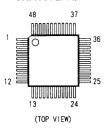
NJM2100M



2SD1266-P

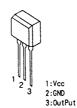


CXA1372AQ



PST572E

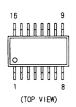




2SK104H 2SK105A-30

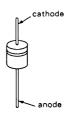


CXA1421M

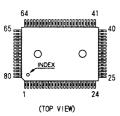


DTC114ES DTC124ES RN1202 RN1207 RN1210 RN1211 RN2207

RD5.6ES-B2 RD6.8ES-B2 RD8.2ES-B2 155119 155133



CXD2500BQ

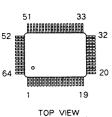


DTC144ES 2SA1175-HFE 2SC2785-HFE

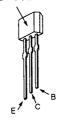
U05G



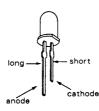
CXP5084H-636Q



LETTER SIDE



SLZ-135B-01-T1



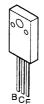
LA4598



2SA952-K2 2SB1013-4 2SC1815-GR 2SC945-P



2SD1666K-RS



SECTION 7

EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts Example:
 - KNOB, BALANCE (WHITE) (RED)

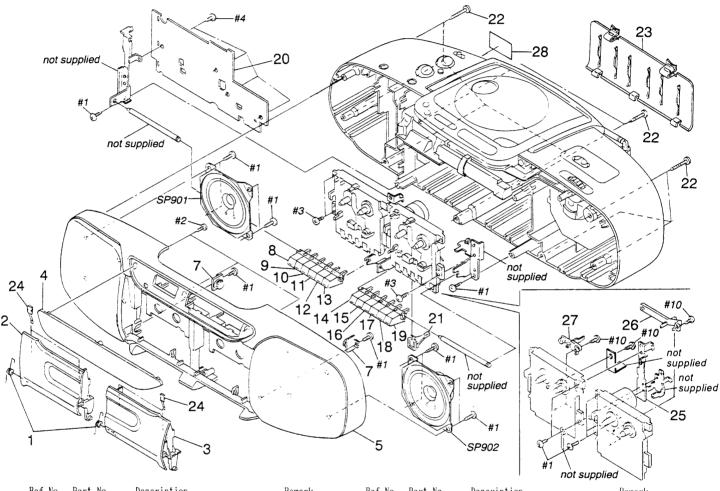
 ↑

 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 the electrical parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.

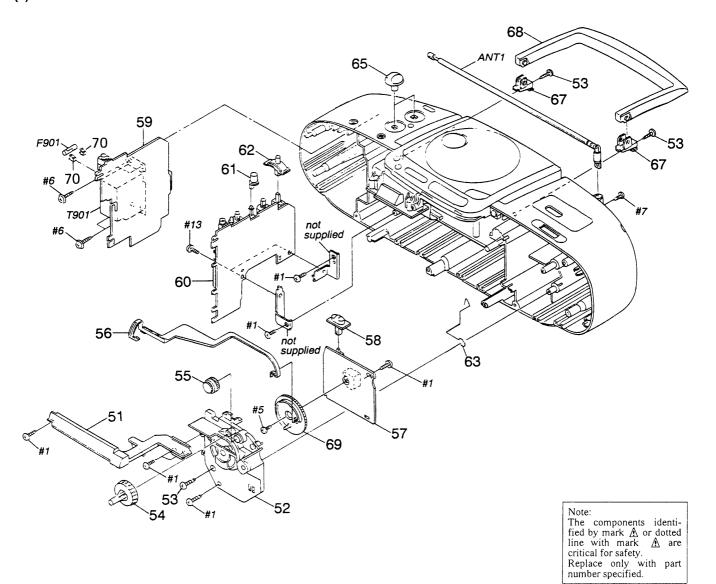
Replace only with part number specified.

(1) FRONT CABINET ASSEMBLY SECTION



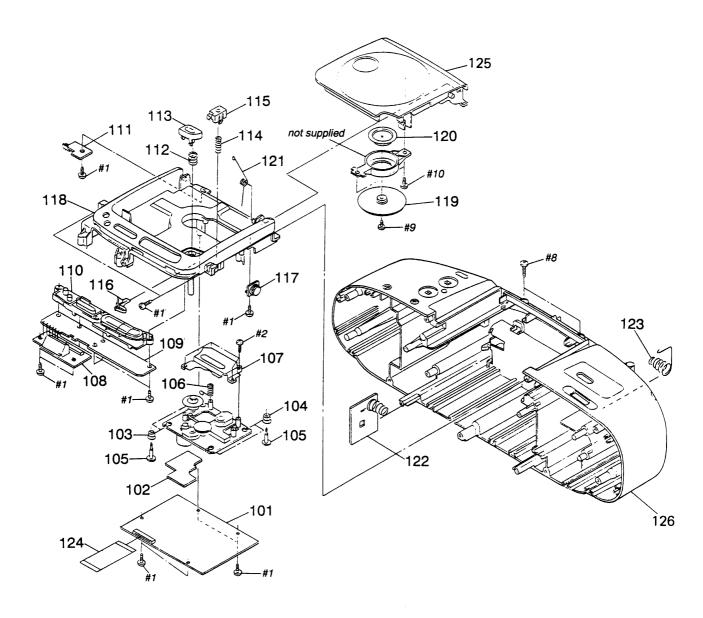
		116				#1 ,	not supplied
Ref. No.	Part No.	Description	Remark	Ref. No	. Part No.	Description	Remark
1	3-388-196-01	SPRING, CASSETTE OPEN		17	3-388-167-01	BUTTON (REW-B), MD	
2	A-3300-364-A	HOLDER (L) ASSY, CASSETTE		18	3-388-166-01	BUTTON (FF-B), MD	
3	A-3200-365-A	HOLDER (R) ASSY, CASSETTE		19	3-388-169-01	BUTTON (PAUSE-B), ME)
4	3-911-388-01	PANEL		* 20	A-3264-631-A	MD BOARD, COMPLETE	
5	X-3366-599-1	CABINET (FRONT) SUB ASSY		* 21	3-389-274-01	LEVER, PLAY	
7	3-351-377-11	DAMPER		22	3-325-679-31	SCREW, TAPPING +BV 3	3X14
8	3-388-177-01	BUTTON (S/E-A), MD		23	3-368-522-01	LID, BATTERY CASE	
9	3-388-182-01	BUTTON (HSD-A), MD		24	3-308-823-11	SPRING	
10	3-388-180-01	BUTTON (PLAY-A), MD		25	3-380-160-01	JOINT (MD)	
11	3-388-179-01	BUTTON (REW-A), MD		* 26	3-380-451-01	LEVER (REC)	
12	3-388-178-01	BUTTON (FF-A), MD		* 27	3-380-452-01	LEVER (MD-B)	
13	3-388-181-01	BUTTON (PAUSE-A), MD		* 28	4-941-548-01	LABEL, CLASS(1)	
14	3-388-165-01	BUTTON (S/E-B), MD		SP90	1 1-504-269-21	SPEAKER (10CM)	
15	3-388-170-01	BUTTON (REC-B), MD		SP90	2 1-504-269-21	SPEAKER (10CM)	
16	3-388-168-01	BUTTON (PLAY-B), MD					

(2) REAR CABINET ASSEMBLY SECTION



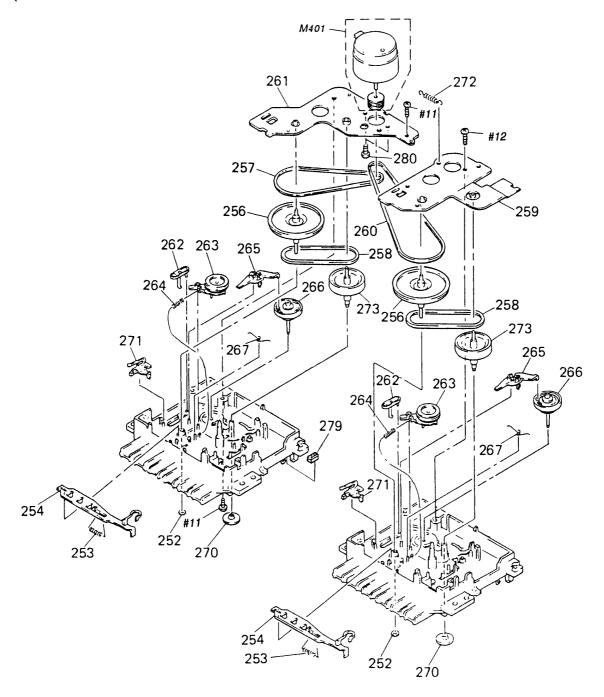
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 51	3-388-184-01	CHASSIS (A), TUNER		61	3-386-946-01	BUTTON (DBB)	
* 52	3-388-185-01	CHASSIS (B), TUNER		62	3-388-164-01	KNOB (FUNCTION)	
53	3-325-679-31	SCREW, TAPPING +BV 3X14		* 63	3-389-272-01	TERMINAL, ANTENNA	
54	3-388-183-01	KNOB (TUNING)		65	3-386-950-01	KNOB (ROTARY)	
* 55	3-388-187-01	GEAR, MIDWAY		* 67	3-388-216-01	HOLDER, HANDLE	
56	3-388-186-01	POINTER		68	X-3366-600-1	HANDLE ASSY	
* 57	A-3264-715-A	TUNER BOARD, COMPLETE		69	3-388-189-01	GEAR, TUNING CAPACITOR	
58	3-388-188-01	KNOB (2 BAND)		70	1-533-217-31	HOLDER, FUSE	
* 59	1-647-848-11	POWER BOARD		ANT1	1-501-378-11	ANTENNA, TELESCOPIC (FM)	
* 60	A-3264-633-A	MAIN BOARD, COMPLETE		 £F901	1-532-286-00	FUSE (T2. 5A)	
				 ↑T901	1-450-517-11	TRANSFORMER, POWER	

(3) CD ASSEMBLY SECTION

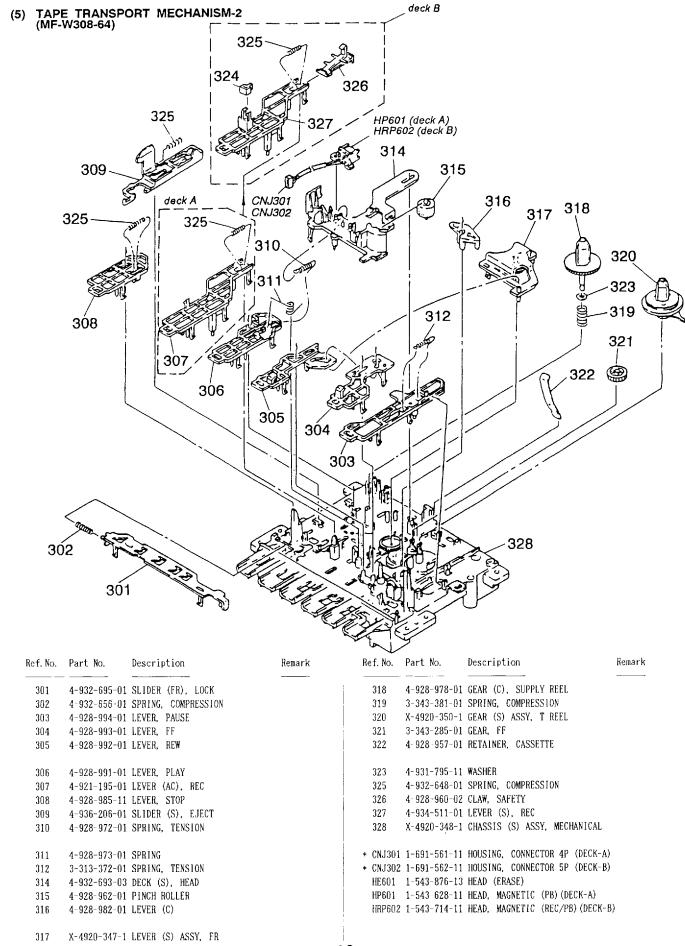


Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
A-3264-357-A	CD MAIN BOARD, COMPLETE		* 115	3-388-202-01	LEVER, CD LIFT	
1-647-846-11	CD MOTOR BOARD		* 116	3-388-203-01	CLAW, LOCK	
4-922-858-11	DAMPER (GREEN)		117	3-351-377-11	DAMPER	
4-922-858-01	DAMPER (PINK)		118	3-388-201-01	CABINET (UPPER)	
4-931-373-01	SCREW, CD FITTING		119	3-704-435-01	PLATE (M), CHUCK	
4-931-358-01	SPRING					
			120	1-452-531-11	MAGNET	
4-928-936-01	COVER. CD		121	3-388-211-01	SPRING (CD OPEN)	
	, , , , , , , , , , , , , , , , , , ,		* 122	1-647-847-11	BATTERY TERMINAL BOARD	
1-647-851-11	SWITCH BOARD		123	3-368-494-01	SPRING (+, -), BATTERY COIL	
3-388-210-01	BUTTON (CD)		124	1-751-445-11	WIRE, PARALLEL (FFC) (27 CORE))
	` '					
1 011 001 11			125	X-3368-897-1	HOLDER SUB ASSY (CD)	
3-388-204-01	SPRING (CD OPEN BUTTON)		126			
					,	
	•					
	A-3264-357-A 1-647-846-11 4-922-858-11 4-922-858-01 4-931-373-01 4-931-358-01 4-928-936-01 1-647-853-11 1-647-851-11 3-388-210-01 1-647-854-11 3-388-204-01 3-388-205-01	Part No. Description A-3264-357-A CD MAIN BOARD, COMPLETE 1-647-846-11 CD MOTOR BOARD 4-922-858-11 DAMPER (GREEN) 4-922-858-01 DAMPER (PINK) 4-931-373-01 SCREW, CD FITTING 4-931-358-01 SPRING 4-928-936-01 COVER, CD 1-647-853-11 LCD BOARD 1-647-851-11 SWITCH BOARD 3-388-210-01 BUTTON (CD) 1-647-854-11 LEAF SWITCH BOARD 3-388-204-01 SPRING (CD OPEN BUTTON) 3-388-205-01 BUTTON (CD OPEN) 3-388-206-01 SPRING (CD LIFT)	A-3264-357-A CD MAIN BOARD, COMPLETE 1-647-846-11 CD MOTOR BOARD 4-922-858-11 DAMPER (GREEN) 4-922-858-01 DAMPER (PINK) 4-931-373-01 SCREW, CD FITTING 4-931-358-01 SPRING 4-928-936-01 COVER, CD 1-647-853-11 LCD BOARD 1-647-851-11 SWITCH BOARD 3-388-210-01 BUTTON (CD) 1-647-854-11 LEAF SWITCH BOARD 3-388-204-01 SPRING (CD OPEN BUTTON) 3-388-205-01 BUTTON (CD OPEN)	A-3264-357-A CD MAIN BOARD, COMPLETE 1-647-846-11 CD MOTOR BOARD 4-922-858-11 DAMPER (GREEN) 117 4-922-858-01 DAMPER (PINK) 118 4-931-373-01 SCREW, CD FITTING 119 4-931-358-01 SPRING 120 4-928-936-01 COVER, CD 1-647-853-11 LCD BOARD 1-647-851-11 SWITCH BOARD 123 3-388-210-01 BUTTON (CD) 1-647-854-11 LEAF SWITCH BOARD 125 3-388-204-01 SPRING (CD OPEN BUTTON) 126 3-388-205-01 BUTTON (CD OPEN)	A-3264-357-A CD MAIN BOARD, COMPLETE 1-647-846-11 CD MOTOR BOARD 4-922-858-11 DAMPER (GREEN) 4-922-858-01 DAMPER (GREEN) 117 3-351-377-11 4-922-858-01 DAMPER (PINK) 118 3-388-201-01 4-931-373-01 SCREW, CD FITTING 119 3-704-435-01 4-931-358-01 SPRING 120 1-452-531-11 4-928-936-01 COVER, CD 121 3-388-211-01 1-647-853-11 LCD BOARD 122 1-647-847-11 1-647-851-11 SWITCH BOARD 3-388-210-01 BUTTON (CD) 124 1-751-445-11 1-647-854-11 LEAF SWITCH BOARD 3-388-204-01 SPRING (CD OPEN BUTTON) 3-388-205-01 BUTTON (CD OPEN)	A-3264-357-A CD MAIN BOARD, COMPLETE 1-647-846-11 CD MOTOR BOARD 4-922-858-11 DAMPER (GREEN) 4-922-858-01 DAMPER (GREEN) 4-931-373-01 SCREW, CD FITTING 4-931-373-01 SPRING 119 3-704-435-01 PLATE (M), CHUCK 4-928-936-01 COVER, CD 1-647-853-11 LCD BOARD 1-647-853-11 LCD BOARD 1-647-851-11 SWITCH BOARD 1-647-851-11 SWITCH BOARD 1-647-854-11 LEAF SWITCH BOARD 3-388-204-01 SPRING (CD OPEN BUTTON) 3-388-204-01 SPRING (CD OPEN BUTTON) 3-388-205-01 BUTTON (CD OPEN)

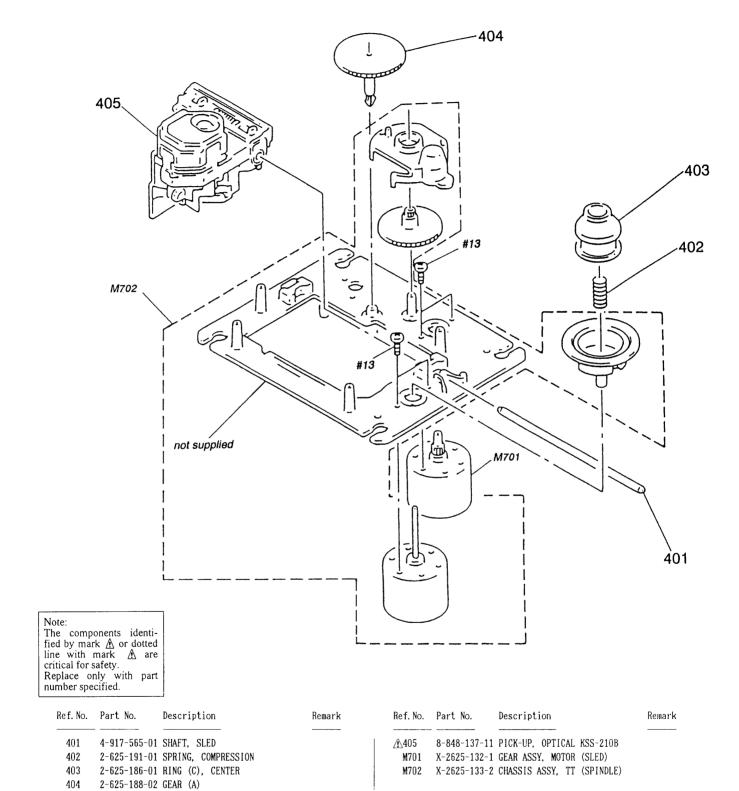
(4) TAPE TRANSPORT MECHANISM-1 (MF-W308-64)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
252	3-343-358-01	RING. RETAINING		264	3-905-168-01	SPRING, COMPRESSION	
253	4-932-656-01	SPRING, COMPRESSION		265	4-928-986-01	LEVER (S), SHUT-OFF	
254	4-928-996-11	·		266	X-4918-582-1	PLATE ASSY, TAKE-UP REEL	
256		WHEEL (W) ASSY, CAPSTAN		267	4-928-958-01	SPRING, FR RETURN	
257	3-369-312-01	BELT (59X1)		270	4-928-967-01	GEAR (C), MIDWAY	
258	4-928-974-01	BELT (MIDWAY)		271	4-928-987-01	LEVER (T), SHUT-OFF	
* 259		PLATE ASSY, GROUND		272	3-378-420-01	SPRING, TENSION	
260	3-378-419-01	*		273	X-4920-922-1	PULLEY (W) ASSY, FR	
261	* ***	PLATE (W) ASSY, GROUND		279	4-934-522-01	CUSHION	
262		PLATE, PAUSE LOCK		280	3-343-251-01	SCREW (M2. 6X2. 5)	
263	X-4920-346-1	LEVER (S) ASSY, IDLER		M401	X-4920-924-1	MOTOR ASSY (REEL/CAPSTAN)	



(6) OPTICAL PICK-UP SECTION (KSM-2101BAN)



BATTERY TERMINAL

SECTION 8 ELECTRICAL PARTS LIST

CD MAIN

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 and -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..: μA.. uPA..: μPA..
 uPB..: μPB.. uPC..: μPC.. uPD..: μPD..
- CAPACITORS

 uF: μF
 COILS

 uH: μH

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		Re	mark	Ref. No.	Part No.	Description		Rei	mark
*	1-647-847-11	BATTERY TERMIN	NAL BOARD	****		C731	1-102-942-00	CERAMIC	5. 0PF	+-0. 5PF	50V
	1 011 011	******				C732	1-102-942-00	CERAMIC	5. OPF	+-0.5PF	50V
						C733	1-124-902-00		0. 47uF	20%	50V
	3_390_373_01	SPRING (-), Ba	ATTERV COLL			C734	1-126-157-11		10uF	20%	16V
******		3rning (-), D/		*****	****	C735	1-124-927-11		4. 7uF	20%	100V
*	A-3264-357-A	CD MAIN BOARD,	COMPLETE			C736	1-162-285-31		180PF	10%	50V
		*****	******			C737	1-162-209-31		27PF	5%	50V
						C738	1-162-209-31		27PF	5%	50V
		< CAPACITOR >				C739	1-162-284-31	CERAMIC	150PF	10%	50V
						C744	1-162-306-11	CERAMIC	0. 01uF	20%	16V
C700	1-136-173-00	FILM	0. 47uF	5%	50V						
C701	1-124-443-00	ELECT	100uF	20%	10V	C745	1-124-927-11	ELECT	4. 7uF	20%	100V
C702	1-124-034-51	ELECT	33uF	20%	16V	C746	1-162-285-31	CERAMIC	180PF	10%	50V
C703	1-124-034-51	ELECT	33uF	20%	16V	C747	1-162-209-31	CERAMIC	27PF	5%	50V
C704	1-136-165-00	FILM	0. 1uF	5%	50V	C748	1-162-209-31	CERAMIC	27PF	5%	50V
						C749	1-162-284-31	CERAMIC	150PF	10%	50V
C705	1-136-165-00	FILM	0. 1uF	5%	50V						
C706	1-124-907-11		10uF	20%	50V	C750	1-161-377-00	CERAMIC	0. 0047uF	20%	16V
C707	1-131-375-00		4. 7uF	10%	10V	C751	1-162-294-31	CERAMIC	0.001uF	20%	50V
C708	1-130-489-00		0. 033uF	5%	50V	C752	1-161-377-00	CERAMIC	0. 0047uF	20%	16V
C709	1-123-382-00		3. 3uF	20%	100V	C753	1-162-294-31		0. 001uF	20%	50V
0103	1 123 302 00	LLLOI	0. out	20%	1001	C754	1-162-851-11		0. 1uF		16V
C710	1-162-294-31	CERAMIC	0.001uF	10%	50V						
C711	1-130-493-00		0. 068uF	5%	50V	C755	1-162-290-31	CERAMIC	470PF	10%	50V
C712	1-124-477-11		47uF	20%	25V	C756	1-162-294-31		0.001uF	20%	50V
C713	1-162-851-11		0. 1uF	20.0	16V	C757	1-136-173-00		0. 47uF	5%	50V
C713	1-162-215-31		47PF	5%	50V	C758	1-162-851-11		0. 1uF		16V
0/14	1 102 213 31	CLIMITO	4111	3/8	301	C759	1-162-294-31		0. 001uF	10%	50V
C716	1-130-489-00	MYLAR	0. 033uF	5%	50V						
C717	1-124-477-11	ELECT	47uF	20%	25V	C760	1-162-851-11	CERAMIC	0. 1uF		16V
C718	1-162-306-11		0. 01uF	20%	16V	C761	1-124-442-00	ELECT	330uF	20%	6. 3V
C719	1-130-489-00		0. 033uF	5%	50V	C762	1-124-473-11	ELECT	1000uF	20%	10V
C720	1-130-475-00		0. 0022uF	5%	50V	C763	1-162-294-31	CERAMIC	0. 001uF	10%	50V
0.20	1 200 110 00					C770	1-124-477-11	ELECT	47uF	20%	25V
C721	1-161-494-00	CERAMIC	0. 022uF		25V						
C722	1-162-306-11	CERAMIC	0. 01uF	20%	16V	C771	1-162-294-31	CERAMIC	0. 001uF	10%	50V
C723	1-162-306-11	CERAMIC	0. 01uF	20%	16V	C772	1-130-484-00	MYLAR	0. 012uF	5%	50V
C724	1-130-489-00	MYLAR	0. 033uF	5%	50V	C773	1-161-329-00	CERAMIC	0. 0068uF	20%	16V
C725	1-136-165-00	FILM	0. 1uF	5%	50V	C774	1-130-491-00	MYLAR	0.047uF	5%	50V
0.20	_ 100 100 00			•		C780	1-126-176-11	ELECT	220uF	20%	10V
C726	1-162-294-31	CERAMIC	0.001uF	10%	50V						
C727	1~130~491~00	MYLAR	0. 047uF	5%	50V	C781	1-124-126-00	ELECT	47uF	20%	10V
C728	1-161-374-11	CERAMIC	0.0015uF	20%	50V	C782	1-162-294-31	CERAMIC	0.001uF	20%	50V
C729	1-136-173-00	FILM	0. 47uF	5%	50V	C783	1~124-443-00	ELECT	100uF	20%	10V
C730	1-162-306-11	CERAMIC	0. 01uF	20%	16V	C784	1-126-176-11	ELECT	220uF	20%	10V
						C801	1-124-034-51	ELECT	33uF	20%	16V

CD MAIN

CRIUZ 1-124-902-90 ELECT	Ref. No.	Part No.	Description		Re	mark	Ref. No.	Part No.	Description			Remark
1-138-150-00 FILM	C802	1-124-902-00	ELECT	0. 47uF	20%	50V			< RESISTOR >			
CAMPECTOR	C803			0. 01uF	20%	16V						
CONNECTOR	C804	1-136-169-00	FILM	0. 22uF	5%	50V	R700	1-247-806-11	CARBON	91	5%	1/4W
COUNSECTOR		1-162-306-11	CERAMIC	0. 01uF	20%	16V	R701	1-249-397-11	CARBON	22	5%	1/4W
CAP7101 1-564-710-11 PIA, CONNECTOR CAMAL TYPE) 8P							R702	1-249-433-11	CARBON	22K	5%	1/4W
CAPPIOL 1-564-716-11 PIA, CONNECTOR (SMALL TYPE) 8P CAPPIOL 1-564-716-11 PIA, CONNECTOR (SMALL TYPE) 8P CAPPIOL 1-564-716-11 PIA, CONNECTOR (SMALL TYPE) 8P R707 1-247-855-00 CABBON 10K 5t 1/4W CAPPIOL 1-569-919-11 SOCKET, CONNECTOR 2PF R708 1-249-4217-11 CABBON 10K 5t 1/4W CAPPIOL 1-569-919-11 SOCKET, CONNECTOR 2PF R708 1-249-4217-11 CABBON 10K 5t 1/4W CAPPIOL 1-249-417-11 CABBON 10K 5t 1/4W			< CONNECTOR >				R705	1-249-441-11	CARBON	100K	5%	1/4W
CMP702 1-564-710-11 PIN. CONNECTOR CSMALL TYPE) 8P R707 1-247-885-01 CARBON 180K 5x 1/4W							R706	1-249-438-11	CARBON	56K	5%	1/4W
CHJ7U3 -589-919-11** SORRET. CONNECTOR 27P** CD10DE >							D707	1 947 005 00	CADDON	1001	EW	1 /AW
R7709 1-249-437-11 CARBON			,		88		1					
	* CNJ709	1-569-919-11	SOCKET, CONNECT	OR 27P								
R711 1-247-896-11 CABBON S10K S1 1/4W												
D701 8-719-901-33 D100E ISS133 B712 1-247-883-00 CARBON 150K 5% 1/4% 1700 8-719-901-33 D100E ISS133 B713 1-249-429-11 CARBON 16K 5% 1/4% 1700 1700 8-719-901-33 D100E ISS133 B714 1-249-427-11 CARBON 16K 5% 1/4% 1700 1700 158133 B714 1-249-427-11 CARBON 16K 5% 1/4% 1/4% 1700 158133 B715 1-247-887-00 CARBON 220K 5% 1/4%			< DIODE >									
D702 8-719-901-33 DIODE ISS133 R714 1-249-429-11 CARBON 150K 5% 1/4W D703 8-719-901-33 DIODE ISS133 R714 1-249-427-11 CARBON 150K 5% 1/4W D705 8-719-901-33 DIODE ISS133 R714 1-249-447-11 CARBON 1K 5% 1/4W D706 8-719-901-33 DIODE ISS133 R714 1-249-427-11 CARBON 1K 5% 1/4W D707 R-719-901-33 DIODE ISS133 R714 1-249-427-11 CARBON 1K 5% 1/4W D708 8-719-901-33 DIODE ISS133 R716 1-249-423-11 CARBON 20K 5% 1/4W D709 R-729-901-33 DIODE ISS133 R716 1-249-423-11 CARBON 10K 5% 1/4W D709 R-729-93-90 IC CXM-1421M R718 1-249-423-11 CARBON 120K 5% 1/4W D709 R-729-505-77 IC CXA1421M R718 1-249-423-11 CARBON 120K 5% 1/4W D709 R-729-525-99 IC CXD250BEQ R719 1-249-423-11 CARBON 10K 5% 1/4W D709 R-729-525-99 IC CXD250BEQ R720 1-247-856-00 CARBON 11K 5% 1/4W D709 R-739-519-59 IC CXD250BEQ R720 1-249-441-11 CARBON 100K 5% 1/4W D709 R-739-99-98 IC CXD250BEQ R720 1-249-441-11 CARBON 100K 5% 1/4W D709 R-739-519-59 IC RA6296FP R723 1-249-441-11 CARBON 100K 5% 1/4W D709 R-739-519-50 IC RA6296FP R723 1-249-441-11 CARBON 100K 5% 1/4W D709 R-739-529-90 IC CXP5084H-636Q R724 1-249-417-11 CARBON 1K 5% 1/4W D709 R-739-529-90 IC CXP5084H-636Q R724 1-249-421-11 CARBON 1K 5% 1/4W D700 R-740-939-21 FERRITE BEADS INDUCTOR 1.1uH R720 1-249-429-11 CARBON 1K 5% 1/4W D701 R-410-939-21 FERRITE BEADS INDUCTOR 1.1uH R730 1-249-429-11 CARBON 1K 5% 1/4W D701 R-410-314-11 INDUCTOR 0.47uH R730 1-249-429-11 CARBON 27K 5% 1/4W D701 R-729-900-36 TRANSISTOR RNUCTOR 1.1uH R731 1-249-429-11 CARBON 10K 5% 1/4W D701 R-729-900-36 TRANSISTOR RNUCTOR 1.1uH R731 1-249-429-11 CARBON 10K 5% 1/4W D701 R-729-900-36 TRANSISTOR RNUCTOR 1.1uH R731 1-249-429-11 CARBON 27K 5% 1/4W D701 R-729-900-36 TRANSIS							R711	1-247-896-11	CARBON	510K	5%	1/4W
No. Section D701	8-719-901-33											
No. D702	8-719-901-33					1						
R715 1-247-887-00 CABBON 220K 5% 1/4W R716 1-249-429-11 CABBON 10K 5% 1/4W R716 1-249-429-11 CABBON 10K 5% 1/4W R716 1-249-429-11 CABBON 120K 5% 1/4W R718 1-247-881-00 CABBON 120K 5% 1/4W R719 1-249-429-11 CABBON 100K 5% 1/4W R719 1-249-429-11 CABBON 1/4W 1/40-397-11 FEBRITE BEADS INDUCTOR 1.10H R720 1-249-429-11 CABBON 47K 5% 1/4W 1/40-397-21 FEBRITE BEADS INDUCTOR 1.10H R720 1-249-429-11 CABBON 27K 5% 1/4W 1/40-397-21 FEBRITE BEADS INDUCTOR 1.10H R720 1-249-429-11 CABBON 27K 5% 1/4W 1/40-397-21 FEBRITE BEADS INDUCTOR 1.10H R720 1-249-429-11 CABBON 27K 5% 1/4W 1/40-397-21 FEBRITE BEADS INDUCTOR 1.10H R720 1-249-429-11 CABBON 27K 5% 1/4W 1/40-397-21 FEBRITE BEADS INDUCTOR 1.10H R720 1-249-429-11 CABBON 27K 5% 1/4W 1/40-397-21 FEBRITE BEADS INDUCTOR 1.10H R720 1-249-429-11 CABBON 27K 5% 1/4W 1/40-397-21 FEBRITE BEADS INDUCTOR 1.10H R720 1-249-429-11 CABBON 27K 5% 1/4W 1/40-397-21 FEBRITE BEADS INDUCTOR 1.10H R720 1-249-429-11 CABBON 10K 5% 1/4W 1/40-397-21 FEBRITE BEADS INDUCTOR 1.10H R720 1-249-429-11 CABBON 10K 5% 1/4W 1/40-397-21 FEBRITE BEADS INDUCTOR	D703	8-719-901-33	DIODE 1SS133				R713	1-249-429-11	CARBON			
R716 1-249-429-11 CARBON 10K 5% 1/4W	D704	8-719-901-33	DIODE 1SS133				R714	1-249-417-11	CARBON			
C C R71C R752-039-03 C CXA1421M R71B 1-247-881-00 CARBON 120K 5% 1/4W 1702 8-752-038-77 C CXA1372AQ R719 1-249-427-11 CARBON 3.3K 5% 1/4W 1703 8-752-0352-93 C CXD2500BQ R72U 1-247-856-00 CARBON 11K 5% 1/4W 1703 8-759-710-55 C NJM2100M R72U 1-247-856-00 CARBON 11K 5% 1/4W 1703 8-759-710-55 C NJM2100M R72U 1-249-441-11 CARBON 100K 5% 1/4W 1707 R752-830-87 C CXP508415 GQ R724 1-249-441-11 CARBON 100K 5% 1/4W 1708 8-759-518-59 C CXP50841-65Q R724 1-249-441-11 CARBON 100K 5% 1/4W 1708 8-759-520-90 C PST572E R725 1-249-441-11 CARBON 100K 5% 1/4W 1/	D705	8-719-901-33	DIODE 1SS133				R715	1-247-887-00	CARBON	220K	5%	1/4W
R712 -243-423-11 CABBON 3. 3K 5% 1/4W R718 -247-831-00 CABBON 120K 5% 1/4W R719 -243-423-11 CABBON 120K 5% 1/4W R719 -243-423-11 CABBON 3. 3K 5% 1/4W R710 -247-831-00 CABBON 120K 5% 1/4W R710 -247-851-01 CABBON 3. 3K 5% 1/4W R710 -247-851-01 CABBON 3. 3K 5% 1/4W R710 -247-851-01 CABBON 10K 5% 1/4W R710 -247-851-00 CABBON 11K 5% 1/4W R710 -247-851-00 CABBON 11K 5% 1/4W R711 -249-441-11 CABBON 100K 5% 1/4W R711 -249-441-11 CABBON 100K 5% 1/4W R711 -249-441-11 CABBON 100K 5% 1/4W R712 -249-441-11 CABBON 100K 5% 1/4W R713 -249-441-11 CABBON 100K 5% 1/4W R714 -249-441-11 CABBON 100K 5% 1/4W R715 -249-441-11 CABBON 100K 5% 1/4W R716 -249-441-11 CABBON 100K 5% 1/4W R717 -249-441-11 CABBON 1K 5% 1/4W R718 -249-441-11 CABBON 1K 5% 1/4W R719 -249-441-11 CABBON 1K 5% 1/4W R710 -410-397-11 FERRITE BEADS INDUCTOR 1.1uH 100K R710 -410-397-11 FERRITE BEADS INDUCTOR 1.1uH 100K R710 -410-397-12 FERRITE BEADS INDUCTOR 1.1uH 100K R710 -410-397-12 FERRITE BEADS INDUCTOR 1.1uH R710 -410-314-11 INDUCTOR 0.47uH R710 -410-314-11 INDUCTOR 0.47uH R711 -249-437-11 CABBON 27K 5% 1/4W R712 -249-437-11 CABBON 10K 5% 1/4W R713 -249-437-11 CABBON 10K 5% 1/4W R714 -249-437-11 CABBON 10K 5% 1/4W R715 -249-437-11 CABBON 10K 5% 1/4W R717 -249-347-11 CABBON 10K 5% 1/4W R718 -249-437-11 CABBON 10K 5% 1/4W R719 -249-437-11 CABBON 10K 5% 1/4W R710 -410-314-11 INDUCTOR 1.1uH 100K-10R 1.							R716	1-249-429-11	CARBON	10K	5%	1/4W
1701 8-752-039-03 C CXA1421M R718 1-247-881-00 CARBON 120K 5% 1/4W 1702 8-752-035-93 10 C CXD2500BQ R720 1-249-423-11 CARBON 3.3K 5% 1/4W 1704 8-752-035-93 10 C CXD2500BQ R720 1-249-441-11 CARBON 100K 5% 1/4W 1705 8-759-039-98 10 C CXD2500BQ R720 1-249-441-11 CARBON 100K 5% 1/4W 1705 8-759-039-98 10 C CXD2500BQ R720 1-249-441-11 CARBON 100K 5% 1/4W 1706 8-759-039-98 10 C CXD2508H-636Q R724 1-249-441-11 CARBON 100K 5% 1/4W 1/4W			< IC >				D717	1-240-423-11	CARRON	3 3K	5%	1 /4W
1772 8-752-058-77 C CXA1372AQ R719 1-249-423-11 CARBON 3. 3K 5% 1/4W 1773 8-752-352-93 C CXD250BBQ R720 1-247-836-00 CARBON 11K 5% 1/4W 1775 8-759-035-98 C CXD8451M R721 1-249-441-11 CARBON 100K 5% 1/4W 1776 8-759-518-59 C BA6296FP R723 1-249-441-11 CARBON 100K 5% 1/4W 1776 8-759-518-59 C CXP5084H-636Q R724 1-249-441-11 CARBON 100K 5% 1/4W 1780 8-759-520-90 C PST572E R725 1-249-441-11 CARBON 1K 5% 1/4W 1780 8-759-520-90 C PST572E R725 1-249-441-11 CARBON 1K 5% 1/4W 1791 1-410-397-11 FERRITE BEADS INDUCTOR 1. 1uH R728 1-249-441-11 CARBON 1K 5% 1/4W 1792 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH R730 1-249-441-11 CARBON 1K 5% 1/4W 1793 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH R731 1-249-439-11 CARBON 1K 5% 1/4W 1794 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH R731 1-249-439-11 CARBON 27K 5% 1/4W 1795 1-410-314-11 INDUCTOR 0. 47uH R731 1-249-439-11 CARBON 27K 5% 1/4W 1796 1-410-314-11 INDUCTOR 0. 47uH R734 1-249-437-11 CARBON 47K 5% 1/4W 1797 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH R734 1-249-437-11 CARBON 27K 5% 1/4W 1798 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH R734 1-249-437-11 CARBON 27K 5% 1/4W 1799 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH R735 1-249-434-11 CARBON 27K 5% 1/4W 1790 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH R736 1-249-437-11 CARBON 27K 5% 1/4W 1790 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH R736 1-249-437-11 CARBON 27K 5% 1/4W 1791 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH R736 1-249-437-11 CARBON 27K 5% 1/4W 1791 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH R736 1-249-437-11 CARBON 27K 5% 1/4W 1791 1-410-397-21 FERRITE BEADS	10701	0 750 020 02	IC CVA1491M				1					
1.0703							1					
17704 8-759-710-55 C N.M. N.M. N.M. N.M. N.M. N.M. N.M. N.							1					
16705 8-759-93-98 16 CXD8451M												
R722 1-249-441-11 CABON 100K 5% 1/4W R723 1-249-441-11 CABON 100K 5% 1/4W R723 1-249-441-11 CABON 100K 5% 1/4W R723 1-249-441-11 CABON 100K 5% 1/4W R725 1-249-437-11 CABON 100K 5% 1/4W R726 1-249-417-11 CABON 47K 5% 1/4W R726 1-249-417-11 CABON 100K 5% 1/4W R726 1-249-437-11 CABON 27K 5% 1/4W R726 1-249-							K721	1-249-441-11	CARDON	1001	3/6	1/4"
1 1 1 1 1 1 1 1 1 1	10703	0 700 000 00	10 0/00431111				R722	1-249-441-11	CARBON	100K	5%	1/4W
10801 8-752-830-87 1C CXP5084H-636Q R724 1-249-417-11 CARBON 1K 5% 1/4W R725 1-249-437-11 CARBON 1K 5% 1/4W R726 1-249-437-11 CARBON 27K 5% 1/4W R726 1-249-437-11 CARBON 27K 5% 1/4W R726 1-249-437-11 CARBON 27K 5% 1/4W R726 1-249-437-11 CARBON 1K 5% 1/4W R726 1-249-429-11 CARBON 15K 5% 1/4W R726 1-249-437-11 CARBON 15K 5% 1/4W R726 1-249-	IC706	8-759-518-59	IC BA6296FP				R723	1-249-441-11	CARBON	100K	5%	1/4W
18802 8-759-520-90 IC PST572E R725 1-249-433-11 CARBON 22K 5% 1/4W R726 1-249-417-11 CARBON 1K 5% 1/4W R726 1-249-417-11 CARBON 1K 5% 1/4W R726 1-249-417-11 CARBON 1K 5% 1/4W R727 1-249-441-11 CARBON 100K 5% 1/4W R727 1-249-441-11 CARBON 100K 5% 1/4W R726 1-249-437-11 CARBON 100K 5% 1/4W R730 1-249-437-11 CARBON 1K 5% 1/4W R731 1-249-438-11 CARBON 1K 5% 1/4W R731 1-249-438-11 CARBON 27K 5% 1/4W R731 1-249-434-11 CARBON 27K 5% 1/4W R731 1-249-434-11 CARBON 27K 5% 1/4W R731 1-249-434-11 CARBON 27K 5% 1/4W R731 1-249-437-11 CARBON 27K 5% 1/4W R731 1-249-437-11 CARBON 27K 5% 1/4W R731 1-249-437-11 CARBON 1K 5% 1/4W R731 1-249-437-11 CARBON 10K 5% 1/4W R731 1-24				360			R724	1-249-417-11	CARBON	1K	5%	1/4W
R726 1-249-417-11 CABBON 1K 5% 1/4W							R725	1-249-433-11	CARBON	22K	5%	1/4W
R727 1-249-441-11 CARBON 100K 5% 1/4W	10002	•					R726	1-249-417-11	CARBON	1K	5%	1/4W
1-410-397-11 FERRITE BEADS INDUCTOR 1. 1. 1. 1. 1. 1. 1. 1			< COIT >							40011	=0.	A /AU
1.702												
1.703 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1 uh					uН		Į.					
1.704							1					
L705 1-410-314-11 INDUCTOR 0. 47uH L706 1-410-314-11 INDUCTOR 0. 47uH L707 1-410-314-31 INDUCTOR 0. 47uH L708 1-410-314-31 INDUCTOR 0. 47uH L708 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH L709 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH R736 1-249-429-11 CARBON 10K 5% 1/4W L709 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH R737 1-247-883-00 CARBON 150K 5% 1/4W CTRANSISTOR > R738 1-249-429-11 CARBON 10K 5% 1/4W R739 1-249-441-11 CARBON 100K 5% 1/4W R739 1-249-441-11 CARBON 100K 5% 1/4W R740 1-249-429-11 CARBON 10K 5% 1/4W R740 1-249-429-11 CARBON 10K 5% 1/4W R741 1-249-429-11 CARBON 10K 5% 1/4W R741 1-249-434-11 CARBON 27K 5% 1/4W R742 1-249-434-11 CARBON 27K 5% 1/4W R743 1-249-434-11 CARBON 27K 5% 1/4W R744 1-249-434-11 CARBON 27K 5% 1/4W R745 1-249-437-11 CARBON 47K 5% 1/4W R746 1-249-437-11 CARBON 47K 5% 1/4W R747 1-249-437-11 CARBON 10K 5% 1/4W R748 1-249-437-11 CARBON 10K 5% 1/4W R749 1-249-439-11 CARBON 10K 5% 1/4W R749 1-249-441-11 CARBON 10K 5% 1/4W	L703						1					
R733 1-249-434-11 CARBON 27K 5% 1/4W 1-249-437-11 CARBON 27K 5% 1/4W 1-249-437-11 CARBON 47K 5% 1/4W 1-249-437-11 CARBON 10K 5% 1/4W 1-249-434-11 CARBON 10K 5% 1/4W 1/4W 1-249-434-11 CARBON 1/4W 1/4W 1-249-434-11 CARBON 1/4W 1/4W 1-249-434-11 CARBON 1/4W 1/4W 1-249-434-11 CARBON 1/4W 1/4W 1-249-437-11 CARBON 1/4W 1/4W 1-249-437-11 CARBON 1/4W 1/4W 1-249-437-11 CARBON 1/4W					uН		R732	1-249-434-11	CARBON	27K	5%	1/4W
L706	L705	1-410-314-11	INDUCTOR (J. 47un			R733	1-249-434-11	CARBON	27K	5%	1/4W
L707 1-410-314-31 INDUCTOR 0. 47uH L708 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH R736 1-249-429-11 CARBON 10K 5% 1/4W L709 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH R737 1-247-883-00 CARBON 150K 5% 1/4W	1.706	1-410-314-11	INDUCTOR (17uH								
L708 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH L709 1-410-397-21 FERRITE BEADS INDUCTOR 1. 1uH R736 1-249-429-11 CARBON 150K 5% 1/4W												
Transistor R737 1-247-883-00 Carbon 150K 5% 1/4W					пН							
Continue							1					
R739 1-249-441-11 CARBON 100K 5% 1/4W	L/03	1-410-337-21	TERRITE DEADS	INDUCTOR 1.1	un		1 1707	1 217 000 00	Offitboli	10011	070	27 2
R739 1-249-441-11 CARBON 100K 5% 1/4W			< TRANSISTOR >				R738	1-249-429-11	CARBON	10K	5%	1/4W
Q702 8-729-900-36 TRANSISTOR DTC124ES R742 1-249-434-11 CARBON 27K 5% 1/4W Q703 8-729-206-29 TRANSISTOR RN1211 R743 1-249-434-11 CARBON 27K 5% 1/4W Q704 8-729-206-36 TRANSISTOR RN2207 R744 1-249-437-11 CARBON 47K 5% 1/4W Q706 8-729-206-25 TRANSISTOR RN1207 R744 1-249-437-11 CARBON 47K 5% 1/4W Q731 8-729-206-28 TRANSISTOR RN1210 R746 1-249-437-11 CARBON 10K 5% 1/4W Q741 8-729-206-28 TRANSISTOR RN1210 R748 1-249-429-11 CARBON 10K 5% 1/4W Q802 8-729-900-89 TRANSISTOR DTC144ES R749 1-249-441-11 CARBON 100K 5% 1/4W R761 1-249-435-11 CARBON 33K 5% 1/4W							R739	1-249-441-11	CARBON	100K	5%	1/4W
Q702 8-729-900-36 TRANSISTOR DTC124ES R742 1-249-434-11 CARBON 27K 5% 1/4W Q703 8-729-206-29 TRANSISTOR RN1211 R743 1-249-434-11 CARBON 27K 5% 1/4W Q704 8-729-206-36 TRANSISTOR RN2207 R744 1-249-437-11 CARBON 47K 5% 1/4W Q706 8-729-206-25 TRANSISTOR RN1207 R744 1-249-437-11 CARBON 47K 5% 1/4W Q731 8-729-206-28 TRANSISTOR RN1210 R746 1-249-429-11 CARBON 10K 5% 1/4W Q741 8-729-206-28 TRANSISTOR RN1210 R748 1-249-429-11 CARBON 10K 5% 1/4W Q802 8-729-900-89 TRANSISTOR DTC144ES R749 1-249-441-11 CARBON 100K 5% 1/4W	Q701	8-729-801-84	TRANSISTOR 25	SB1013-4			R741	1-249-429-11	CARBON	10K	5%	1/4W
Q703 8-729-206-29 TRANSISTOR RN1211 R743 1-249-434-11 CARBON 27K 5% 1/4W Q704 8-729-206-36 TRANSISTOR RN2207 R744 1-249-437-11 CARBON 47K 5% 1/4W Q706 8-729-206-25 TRANSISTOR RN1207 R744 1-249-437-11 CARBON 47K 5% 1/4W Q731 8-729-206-28 TRANSISTOR RN1210 R746 1-249-429-11 CARBON 10K 5% 1/4W Q741 8-729-206-28 TRANSISTOR RN1210 R748 1-249-429-11 CARBON 10K 5% 1/4W Q802 8-729-900-89 TRANSISTOR DTC144ES R749 1-249-441-11 CARBON 100K 5% 1/4W R761 1-249-435-11 CARBON 33K 5% 1/4W							R742	1-249-434-11	CARBON	27K	5%	1/4W
Q704 8-729-206-36 TRANSISTOR RN2207 Q706 8-729-206-25 TRANSISTOR RN1207 R744 1-249-437-11 CARBON 47K 5% 1/4W Q731 8-729-206-28 TRANSISTOR RN1210 R746 1-249-429-11 CARBON 10K 5% 1/4W Q741 8-729-206-28 TRANSISTOR RN1210 R748 1-249-429-11 CARBON 10K 5% 1/4W Q802 8-729-900-89 TRANSISTOR DTC144ES R749 1-249-441-11 CARBON 100K 5% 1/4W R761 1-249-435-11 CARBON 33K 5% 1/4W				N1211			R743	1-249-434-11	CARBON	27K	5%	1/4W
R744 1-249-437-11 CARBON 47K 5% 1/4W R745 1-249-437-11 CARBON 10K 5% 1/4W R746 1-249-429-11 CARBON 10K 5% 1/4W R748 1-249-429-11 CARBON 10K 5% 1/4W R748 1-249-441-11 CARBON 10K 5% 1/4W R749 1-249-441-11 CARBON 10K 5% 1/4W R749 1-249-435-11 CARBON 10K 5% 1/4W 1/4W R749 1-249-435-11 CARBON 10K 5% 1/4W 1/4W R749 1-249-435-11 CARBON 10K 5% 1/4W	=											
R745 1-249-437-11 CARBON 47K 5% 1/4W Q731 8-729-206-28 TRANSISTOR RN1210 R746 1-249-429-11 CARBON 10K 5% 1/4W Q741 8-729-206-28 TRANSISTOR RN1210 R748 1-249-429-11 CARBON 10K 5% 1/4W Q802 8-729-900-89 TRANSISTOR DTC144ES R749 1-249-441-11 CARBON 10OK 5% 1/4W R761 1-249-435-11 CARBON 33K 5% 1/4W	-						R744	1-249-437-11	CARBON	47K	5%	1/4W
Q731 8-729-206-28 TRANSISTOR RN1210 R746 1-249-429-11 CARBON 10K 5% 1/4W Q741 8-729-206-28 TRANSISTOR RN1210 R748 1-249-429-11 CARBON 10K 5% 1/4W Q802 8-729-900-89 TRANSISTOR DTC144ES R749 1-249-441-11 CARBON 100K 5% 1/4W R761 1-249-435-11 CARBON 33K 5% 1/4W	4,00	J .20 200 20					}					1/4W
Q741 8-729-206-28 TRANSISTOR RN1210 R748 1-249-429-11 CARBON 10K 5% 1/4W R749 1-249-441-11 CARBON 10OK 5% 1/4W R761 1-249-435-11 CARBON 33K 5% 1/4W	0731	8-720-206-22	TRANSISTOR PA	V1210			I					
Q802 8-729-900-89 TRANSISTOR DTC144ES R749 1-249-441-11 CARBON 100K 5% 1/4W R761 1-249-435-11 CARBON 33K 5% 1/4W							[
R761 1-249-435-11 CARBON 33K 5% 1/4W							1					
	•											4 (40)
R762 1-249-429-11 CARBON 1UK 5% 1/4W												
							R762	1-249-429-11	CARBON	10K	5%	1/4W

CD MAIN CD MOTOR LCD LEAF SWITCH MAIN

Ref. No.	Part No.	Description	on		Remark	Ref. No.	Part No.	Description		Ren	ıark
R763	1-249-429-11	CARBON	10K	5%	1/4W	*	1-647-854-11	LEAF SWITCH BOA	RD		
R764	1-249-435-11	CARBON	33K	5%	1/4W			******	**		
R765	1-247-838-00	CARBON	2K	5%	1/4W						
					,			< CONNECTOR >			
R766	1-249-437-11	CARBON	47K	5%	1/4W						
R767	1-249-433-11	CARBON	22K	5%	1/4W	* CNP708	1-691-573-11	PIN, CONNECTOR	(PC BOARD) 2	:P	
R769	1-247-690-11	CARBON	15	5%	1/4W						
R781	1-247-807-11	CARBON	100	5%	1/4W			< SWITCH >			
R782	1-249-431-11	CARBON	15K	5%	1/4W						
					,	S704	1-570-013-11	SWITCH, LEAF (0)	PEN/CLOSE)		
R783	1-249-431-11	CARBON	15K	5%	1/4W	******	******	******	******	*****	****
R802	1-247-807-11	CARBON	100	5%	1/4W						
	1-249-437-11	CARBON	47K	5%	1/4W	*	A-3264-633-A	MAIN BOARD, COM	PLETE		
R804	1-249-435-11		33K	5%	1/4W			*******			
	1-249-435-11		33K	5%	1/4W						
11000	1 243 433 11	Unitidon	3311	0.70	1/ 4"		3-386-946-01	RUTTON (DRR)			
R806	1-249-435-11	CADDON	33K	5%	1/4W			KNOB (FUNCTION)			
					•						
	1-249-441-11		100K		1/4W		7-082-547-04	SCREW +P 3X6			
	1-249-437-11		47K	5%	1/4W			(0.D.0170D)			
R811	1-249-441-11	CARBON	100K	5%	1/4W			< CAPACITOR >			
		/ WADTABLE	E DECICTOD >			C120	1 161 020 11	CEDAMIC	0. 039uF	1.00/	16V
		VARTABLE	E RESISTOR >			1	1-161-020-11			10%	
DUE 0.1	4 000 407 44	DEG ANI	CARRON OOK	/r r r	AL ANOC)	C124	1-162-294-31		0. 001uF	10%	50V
	1-230-497-11					C125	1-161-043-00		0. 0022uF	10%	50V
	1-237-288-11					C130	1-124-126-00		47uF	20%	10V
	1-230-497-11			,	,	C131	1-124-443-00	ELECT	100uF	20%	10V
RV704	1-230-497-11	RES, ADJ,	CARBON 22K	(TRK (GAIN)						
						C132	1-130-495-00	MYLAR	0. 1uF	5%	50V
		< VIBRATOR	R >			C133	1-124-473-11	ELECT	1000uF	20%	10V
						C220	1-161-020-11	CERAMIC	0. 039uF	10%	16V
X801	1-567-775-11	VIBRATOR,	CERAMIC (4.	19MHz)		C224	1-162-294-31	CERAMIC	0.001uF	10%	50V
XF701	1-579-345-11	VIBRATOR,	CERAMIC (16	. 9344	MHz)	C225	1-161-043-00	CERAMIC	0. 0022uF	10%	50V
******	******	******	******	*****	*****						
						C230	1-124-126-00	ELECT	47uF	20%	10V
*	1-647-846-11	CD MOTOR E	BOARD			C231	1-124-443-00	ELECT	100uF	20%	10V
		******	****			C232	1-130-495-00	MYLAR	0. 1uF	5%	50V
						C233	1-124-473-11	ELECT	1000uF	20%	10V
		< CONNECTO	OR >			C313	1-124-916-11	ELECT	22uF	20%	63V
CNP706	1-695-108-11	CONNECTOR	6P			C316	1-162-282-31	CERAMIC	100PF	10%	50V
						C317	1-162-282-31	CERAMIC	100PF	10%	50V
		< SWITCH >	>			C330	1-124-120-11		220uF	20%	25V
						C332	1-126-017-11		6800uF	20%	16V
S703	1-571-936-11	SWITCH LE	FAF (LIMIT)			C350	1-124-927-11		4. 7uF	20%	100V
	*******			*****	*****	0330	1 124 327 11	LLLOI	1. / ui	20%	1001
						C351	1-126-176-11	FLECT	220uF	20%	10V
	1-647-853-11	ICD BOARD				C352	1-126-176-11		220uF	20%	10V
*	1 047 033 11	*******				C353	1-161-494-00		0. 022uF	20%	25V
		****				C360	1-161-494-00		0. 022uF		25V 25V
	2 200 271 01	DDACKET I	CD							20W	
*	3-389-271-01	DRAUNEI, L	יריח			C362	1-126-176-11	ELECI	220uF	20%	10V
		/ CONNECTO	np \			C363	1_161_404_00	CEDAMIC	0. 022uF		25V
		< CONNECTO	m /				1-161-494-00				
* UNIOUS	1 500 010 11	CUCALL CO	MMEGAUD GAD			C365	1-161-494-00		0. 022uF	200	25V
* UNJ8U3	1-569-919-11	SUCKEI, CC	INNECTOR 27P			C366	1-126-176-11		220uF	20%	10V
		/ 1 TOUTS 3	ADVAMAL STOR			C367	1-161-494-00		0. 022uF	0.00:	25V
		< LIQUID C	CRYSTAL DISP	LAY >		C368	1-124-126-00	ELECT	47uF	20%	10V
1.00000	4 040 000	NIGDL 19 S.	MEL LIGHTS	anuer	14.1						

LCD801 1-810-089-11 DISPLAY PANEL, LIQUID CRYSTAL

MAIN MD

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description			Re	mark
		< CONNECTOR >			1-249-417-11		1K	5% 5%	1/4W 1/4W	С
CNIONE	1 EON 040_11	SOCKET, CONNECTOR (PC BOARD) 20	D	 AR350	1-219-113-11	FOSTBLE	6. 8	5%	1/4W	Γ
		PIN, CONNECTOR (PC BOARD) 3P	1	R351	1-249-416-11	CARBON	820	5%	1/4W	
		PIN, CONNECTOR (PC BOARD) 5P		R352	1-249-410-11		270	5%	1/4W	
		PIN, CONNECTOR (PC BOARD) 8P		R353	1-249-408-11		180	5%	1/4W	
7 0111 300	1 031 073 11	The composition (10 points) of		R354	1-249-421-11		2. 2K	5%	1/4W	
		< DIODE >		R355	1-249-437-11		47K	5%	1/4W	
D301	8-719-109-97	DIODE RD6. 8ES-B2		R356	1-249-414-11	CARBON	560	5%	1/4W	
D303	8-719-903-39	LED SLZ-135B-01-T1 (OPR/B	ATT)	R357	1-247-804-11	CARBON	75	5%	1/4W	
D304	8-719-109-97	DIODE RD6. 8ES-B2		R358	1-247-887-00	CARBON	220K		1/4W	
D305	8-719-109-89	DIODE RD5. 6ES-B2		R359	1-249-421-11	CARBON	2. 2K	5%	1/4W	
D309	8-719-901-33	DIODE 1SS133		R360	1-249-421-11	CARBON	2. 2K	5%	1/4W	
D313	8-719-901-33	DIODE 1SS133		R361	1-249-411-11		330	5%	1/4W	
D315	8-719-901-33	DIODE 1SS133		R362	1-247-807-11		100	5%	1/4W	
D316	8-719-901-33	DIODE 1SS133		R363	1-249-433-11		22K	5%	1/4W	
D317	8-719-901-33	DIODE 1SS133		R364	1-249-433-11	CARBON	22K	5%	1/4W	
D318	8-719-901-33	DIODE 1SS133		1 €R365	1-219-149-11	FUSIBLE	1	5%	1/4W	F
		< IC >		R366	1-249-411-11	CARBON	330	5%	1/4W	
		(10)		R367	1-247-807-11		100	5%	1/4W	
10303	8-759-060-21	IC 144598		R368	1-247-887-00		220K		1/4W	
10303	0 733 000 21	10 6/11030		R369	1-249-421-11		2. 2K		1/4W	
		< JACK >		R370	1-249-421-11	CARBON	2. 2K		1/4W	
J301	1-563-330-11	JACK (MIX MIC)				< VARIABLE RESI	STOR >	,		
		< COIL >		RV301	1-241-745-11	RES, VAR, CARBO	N 20K/	'20K (1	ONE)	
				RV302	1-223-403-11	RES, VAR, CARBO	ON 20K/	20K (V	OLUME)	
	1-410-324-11 1-410-324-11		,			< SWITCH >				
		< TRANSISTOR >				SWITCH, LEVER S				
						SWITCH, PUSH (1			BASS)	
Q303	8-729-119-76			S304		SWITCH, SLIDE				
Q304	8-729-206-20			******	*******	********	*****	*****	*****	****
Q305	8-729-195-23				. 0004 004 4	ND DOLDD COMDI	PTP			
Q313	8-729-194-57			*	A-3264-631-A	MD BOARD, COMPI				
Q316	8-729-119-76	TRANSISTOR 2SA1175-HFE				*****	****			
Q317	8-729-206-20	TRANSISTOR RN1202				< CAPACITOR >				
Q318	8-729-819-68	TRANSISTOR 2SD1666K-RS								
Q319	8-729-819-68	TRANSISTOR 2SD1666K-RS		C101	1-162-291-31	CERAMIC	560PF	•	10%	50V
Q320	8-729-119-78	TRANSISTOR 2SC2785-HFE		C102	1-162-291-31	CERAMIC	560PF	;	10%	50V
				C103	1-124-126-00	ELECT	47uF		20%	10V
		< RESISTOR >		C104	1-162-840-11	CERAMIC	0.012	2uF	10%	16V
				C105	1-162-290-31	CERAMIC	470PF	•	10%	50V
R120	1-247-903-00	CARBON 1M 5% 1	/4W							
R121	1-249-426-11	CARBON 5. 6K 5% 1	/4W	C106	1-162-832-11	CERAMIC	0.002		10%	16V
R122	1-249-429-11	CARBON 10K 5% 1	/4W	C107	1-124-927-11		4. 7uF		20%	100V
R130	1-247-807-11	CARBON 100 5% 1	/4W	C108	1-162-291-31		560PF		10%	50V
R220	1-247-903-00	CARBON 1M 5% 1	/4W	C109	1-124-927-11		4. 7uF		20%	100V
				C111	1-162-282-31	CERAMIC	100PF	;	10%	50V
R221	1-249-426-11	CARBON 5. 6K 5% 1	/4W							
R222	1-249-429-11	CARBON 10K 5% 1	/4W	C112	1-161-374-11		0.001	5uF	20%	50V
R230	1-247-807-11	CARBON 100 5% 1	/4W	C113	1-124-903-11	ELECT	1uF		20%	50V
				The co	omponents iden	tified by				

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



Ref. No.	Part No.	Description		Rem	ark	Ref. No.	Part No.	Description		Re	mark
C114	1-124-902-00	ELECT	0. 47uF	20%	50V	C343	1-162-284-31	CERAMIC	150PF	10%	50V
C121	1-124-903-11		1uF	20%	50V	C344	1-124-126-00	ELECT	47uF	20%	10V
C122	1-161-375-00		0. 0022uF	20%	50V	C345	1-161-494-00	CERAMIC	0. 022uF		25V
0122	1 101 0.0 00					C370	1-161-494-00	CERAMIC	0. 022uF		25V
C123	1-124-925-11	ELECT	2. 2uF	20%	100V						
C126	1-162-282-31		100PF	10%	50V			< CONNECTOR >			
C201	1-162-291-31	CERAMIC	560PF	10%	50V						
C202	1-162-291-31	CERAMIC	560PF	10%	50V			PIN, CONNECTOR			
C203	1-124-126-00	ELECT	47uF	20%	10V			PIN, CONNECTOR			
								PIN, CONNECTOR			
C204	1-162-840-11	CERAMIC	0. 012uF	10%	16V			PIN, CONNECTOR			
C205	1-162-290-31	CERAMIC	470PF	10%	50V	CNP305	1-580-849-11	PIN, CONNECTOR	R (PC BOARD)	20P	
C206	1-162-832-11	CERAMIC	0. 0027uF	10%	16V						
C207	1-124-927-11	ELECT	4. 7uF	20%	100V			< DIODE >			
C208	1-162-291-31	CERAMIC	560PF	10%	50V						
					,	D302	8-719-110-08				
C209	1-124-927-11	ELECT	4. 7uF	20%	100V	D306	8-719-901-33				
C211	1-162-282-31	CERAMIC	100PF	10%	50V	D307	8-719-901-33				
C212	1-161-374-11	CERAMIC	0. 0015uF	20%	50V	D310	8-719-901-33				
C213	1-124-903-11	ELECT	1uF	20%	50V	D311	8-719-901-33	DIODE 1SS133	3		
C214	1-124-902-00	ELECT	0. 47uF	20%	50V						
						D312	8-719-901-33	DIODE 1SS133	3		
C221	1-124-903-11		1uF	20%	50V			. IO >			
C222	1-161-375-00		0. 0022uF	20%	50V			< IC >			
C223	1-124-925-11		2. 2uF	20%	100V	10001	0.750.040.50	IC DADAGGE			
C226	1-162-282-31		100PF	10%	50V		8-759-048-59				
C301	1-124-126-00	ELECT	47uF	20%	10V		8-759-048-60 8-759-932-33				
C302	1-124-927-11	ELECT	4. 7uF	20%	100V						
C303	1-124-907-11	ELECT	10uF	20%	50V			< TRANSISTOR	>		
C304	1-124-907-11	ELECT	10uF	20%	50V						
C305	1-124-907-11	ELECT	10uF	20%	50V	Q301	8-729-900-36		DTC124ES		
C306	1-124-903-11	ELECT	1uF	20%	50V	Q302	8-729-281-53		2SC1815-GR		
						Q306	8-729-119-76		2SA1175-HFE		
C307	1-124-902-00		0. 47uF	20%	50V	Q307	8-729-819-68		2SD1666K-RS		
C308	1-161-494-00		0. 022uF		25V	Q308	8-729-115-30	TRANSISTUR .	2SK105A-30		
C309	1-124-443-00		100uF	20%	10V	0000	0 700 000 00	TRANCICTOR	DN1 90 9		
C310	1-161-494-00		0. 022uF	0.004	25V	Q309	8-729-206-20		RN1202 2SA952-K2		
C311	1-126-176-11	ELECT	220uF	20%	10V	Q310	8-729-195-23	-	RN1202		
			45.5	0.00	101	Q311	8-729-206-20 8-729-206-20		RN1202		
C312	1-124-126-00		47uF	20%	10V	Q312	8-729-206-20		RN1202		
C314	1-162-282-31		100PF	10%	50V	Q314	8-729-200-20	TUNISTSTON	MNIZUZ		
C318	1-162-282-31		100PF	10%	50V	0315	8-729-206-20	TRANSISTOR	RN1202		
C320	1-124-902-00		0. 47uF	20% 10%	50V 16V	Q313 Q321	8-729-206-20		RN1202		
C321	1-162-844-11	CERAMIC	0. 027uF	10%	104	Q321	0 723 200 20		III. I Z Z Z		
C322	1-162-844-11		0. 027uF	10%	16V			< RESISTOR >			
C323	1-124-034-53	I ELECT	33uF	20%	16V			a provi	000 FW	1 /49	
C324	1-124-907-13		10uF	20%	50V	R101	1-249-409-11		220 5%	1/4₩	
C325	1-124-916-13		22uF	20%	63V	R102	1-249-409-11		220 5%	1/4W 1/4W	
C326	1-124-464-1	1 ELECT	0. 22uF	20%	50V	R103	1-247-807-11 1-247-889-00		100 5% 270K 5%	1/4	
		n ni nam	100 P	0.06	100	R104	1-247-889-00		4.7K 5%	1/4	
C327	1-124-443-00		100uF	20%	10V	R105	1-249-429-11	MIDUN	4. / I\ JA	1/4"	
C328	1-161-494-0		0. 022uF	200∕	25V 25V	R106	1-249-429-11	CARRON	10K 5%	1/4₩	1
C340	1-161-379-0		0. 01uF	20% 30%	16V	R107	1-249-425-11		4. 7K 5%	1/4₩	
C341	1-161-327-0		0. 0033uF 0. 001uF	ასა 5%	50V	R109	1-249-417-11		1K 5%	1/4	
C342	1-130-471-0	U MILAN	o. oorur	JA	JU1	R111	1-249-425-11		4. 7K 5%	1/4	
					1	14111	1 210 120 1			•	

MD POWER

RV303 1-230-494-11 RES, ADJ, CARBON 1K

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description		Remark
R112	1-249-426-11	CARBON	5. 6K	5%	1/4W			< SWITCH >		
R113	1-249-429-11		10K	5%	1/4W			SWITCH, SLIDE (
R114	1-249-429-11	CARBON	10K	5%	1/4W			SWITCH, PUSH (1		
R201	1-249-409-11	CARBON	220	5%	1/4W			SWITCH, PUSH (1)
R202	1-249-409-11	CARBON	220	5%	1/4W	S307	1-692-080-11	SWITCH, PUSH (1	KEY) (B-POWER)	
R203	1-247-807-11	CARBON	100	5%	1/4W	S308	1-692-080-11	SWITCH, PUSH (1	KEY) (A/B)	
R204	1-247-889-00		270K		1/4W			< TRANSFORMER >		
R205	1-249-425-11	CARBON	4.7K		1/4W					
R206	1-249-429-11	CARBON	10K	5%	1/4W			TRANSFORMER, BIA		
R207	1-249-425-11	CARBON	4.7K	5%	1/4W	*******	*********	*******	*******	******
R209	1-249-417-11	CARBON	1 K	5%	1/4W					
						*	1-647-848-11	POWER BOARD		
R211	1-249-425-11	CARBON	4.7K	5%	1/4W			******		
R212	1-249-426-11	CARBON	5. 6K	5%	1/4W					
R213	1-249-429-11	CARBON	10K	5%	1/4W		1-533-217-31	HOLDER, FUSE		
R214	1-249-429-11		10K	5%	1/4W					
R301	1-247-903-00		1M	5%	1/4W			< CAPACITOR >		
R302	1-249-435-11	CARBON	33K	5%	1/4W	C127	1-162-282-31	CERAMIC	100PF 105	% 50V
R303	1-249-435-11		33K	5%	1/4W	C227	1-162-282-31		100PF 105	% 50V
R304	1-249-435-11		33K	5%	1/4W					
R305	1-249-435-11		33K	5%	1/4W	C901	1-101-005-00	CERAMIC	22000PF	50V
R306	1-249-416-11		820	5%	1/4W	C902	1-101-005-00		22000PF	50V
NJUU	1 245 410 11	OMIDON	020	JA	1/4"	C903	1-101-005-00		22000PF	50V
0.000	1 947 907 11	CADDON	100	E@	1 //W	C904	1-101-005-00		22000PF	50V
R308	1-247-807-11		100	5% 5%	1/4W				22000FF	50V
R309	1-249-429-11		10K	5%	1/4W	C905	1-101-005-00	CERAMIC	2200011	307
R310	1-249-429-11		10K	5%	1/4W			(GONNEGMOD)		
R311	1-249-429-11		10K	5%	1/4W			< CONNECTOR >		
R320	1-249-425-11	CARBON	4. 7K	5%	1/4W	* CND3Ud	1-695-106-11	PIN, CONNECTOR	(PC ROARD) 4P	
R321	1-249-424-11	CADRON	3. 9K	59	1/4W			PIN. CONNECTOR		
				5%	1/4W	. 0111 301	1 031 075 11	TIN, COMMEDICAL	(10 DOINE) LI	
R322	1-247-903-00		1M	5%				< DIODE >		
R324	1-249-402-11		56		1/4W			V DIODL /		
R325	1-249-441-11		100K		1/4W	D001	0.710.011.55	NIONE HOEC		
R326	1-249-418-11	CARBON	1. 2K	5%	1/4W	D901	8-719-911-55			
						D902	8-719-911-55			
R340	1-249-411-11		330	5%	1/4W	D903	8-719-911-55			
R341	1-249-393-11	CARBON	10	5%	1/4W	D904	8-719-911-55	DIODE U05G		
R342	1-249-435-11	CARBON	33K	5%	1/4W					
R371	1-249-421-11	CARBON	2. 2K	5%	1/4W			< FUSE >		
R372	1-247-887-00	CARBON	220K	5%	1/4W	∕ . \F901	1-532-286-00	FUSE (T2 5A)		
0070	1-247-811-31	CADRON	150	59	1/4W	<u>/₹</u> 71 301	1 002 200 00	1000 (12.00)		
R373				5% 5%				< JACK >		
R374	1-247-804-11		75	5% 5%	1/4W			V UMUIL /		
R375	1-249-441-11		100K	5%	1/4W	1000	1 FCC 001 11	TACK (DHONES)		
R376	1-249-429-11		10K	5%	1/4W	J302		JACK (PHONES)	a 111)	
R377	1-249-421-11	CARBON	2. 2K	5%	1/4W	 ∆J901	1-526-838-11	INLET, AC 2P (A	U IN)	
R378	1-249-429-11		10K	5%	1/4W			< COIL >		
R379	1-249-418-11	CARBON	1. 2K		1/4W					
R380	1-249-422-11	CARBON	2. 7K	5%	1/4W	L151	1-410-324-11		4. 7uH	
<u></u> 1 R381	1-219-162-11	FUSIBLE	3. 3	5%	1/4W F	L251	1-410-324-11	INDUCTOR	4. 7uH	
		< VARIABLE RESI	STOR >			L351	1-410-324-11	INDUCTOR	4. 7uH	

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

POWER SWITCH TUNER

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description				Remai
		<pre>< LINE FILTER</pre>	>			C22	1-124-443-00	ELECT	100uF	2	0%	10V
		V BINE I IBIER	/			C23	1-124-902-00		0. 47uF			50V
<u>∧</u> LF901	1-424-150-21	TRANSFORMER, L	INE FILTER	₹		C24	1-124-927-11		4. 7uF			100V
		/ DEGLOTOD \				C25	1-124-463-00	FLFCT	0. 1uF	2	0%	50V
		< RESISTOR >				C27	1-162-840-11		0. 1th			50V
D151	1 047 007 11	CADDON	100 50	% 1/	'AW	C28	1-162-840-00		0. 012u			50V
R151	1-247-807-11		100 5% 100 5%			C34		CERAMIC MELF	100PF			50V
R251	1-247-807-11	CANDON	100 3/	6 1/	411	C35	1-163-181-00		100PF			50V
		< TRANSFORMER	>			033	1 100 101 00	ODIEBNIO MEDI	10011		0.0	
						C38	1-162-397-11	CERAMIC MELF	0. 001u			50V
∆T901	1-450-517-11	TRANSFORMER, P	OWER			C40	1-163-159-00	CERAMIC MELF	2. 2PF	1	0%	50V
*****	******	******	*******	******	*****							
								< FILTER >				
	1-647-851-11	SWITCH BOARD						DALMED GERALIA				
		*****				CF1		FILTER, CERAMI		ı n		
						CF2		ENCAPSULATED C		11		
		< SWITCH >				CF3		FILTER, CERAMI				
000:	4 550 400 11	OULTROLL LIBER DO	MDD /> ~	(A V/)		CF4	1-5//-32/-81	FILTER, CERAMI	· U			
S801 S802	1-572-198-11	SWITCH, KEY BO SWITCH, KEY BO	OARD (S'	TOP)				< CONNECTOR >				
S803	1-572-198-11	SWITCH, KEY BO	OARD (₩ AI	MS/SEAR	CH)				4			
S804	1-572-198-11	SWITCH, KEY BO	DARD (▶▶ A	MS/SEAR	CH)	* CNP22	1-691-573-11	PIN, CONNECTOR	R (PC BC	(ARD)	2P	
S805	1-572-198-11	SWITCH, KEY BO	OARD (P	AUSE)				/ TO LINKED				
2000	4 550 400 44	OWLEGI VEV DO	ADD (DLAV	MODE)				< TRIMMER >				
S806		SWITCH, KEY BO			יבט/	CT1-4	1					
S807		SWITCH, KEY BC ******			En)	CV1-4	3 1-151-605-11	CAP, VAR				
****	*****	** ******	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			011 4	,					
k	A-3264-715-A	TUNER BOARD, C	COMPLETE					< FILTER >				
	0201 110	******										
						FL1	1-236-022-11	FILTER, BAND F	PASS			
						į.						
į	3-378-438-01	CUSHION, SARAN	\ET									
•		CUSHION, SARAN GEAR, TUNING C						< IC >				
ĸ.	3-388-189-01		CAPACITOR									
	3-388-189-01	GEAR, TUNING C SCREW +P 2.6X5	CAPACITOR			IC1	8-752-050-20	< IC > IC CXA1238S				
	3-388-189-01	GEAR, TUNING C	CAPACITOR			IC1	8-752-050-20	IC CXA1238S	TOP >			
C1	3-388-189-01 7-621-770-87	GEAR, TUNING C SCREW +P 2.6X5 < CAPACITOR >	CAPACITOR 5	10%	50V	IC1	8-752-050-20		STOR >			
C1	3-388-189-01 7-621-770-87 1-163-189-00	GEAR, TUNING C SCREW +P 2.6X5 < CAPACITOR > CERAMIC MELF	CAPACITOR 5 220PF	10% 20%	50V 50V			IC CXA1238S < JUMPER RESIS	STOR >	5%	1/8	B W
C4	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11	GEAR, TUNING C SCREW +P 2.6X5 < CAPACITOR > CERAMIC MELF ELECT	CAPACITOR 5 220PF 10uF	20%	50V	JR1	1-216-296-00	1C CXA1238S < JUMPER RESIS			1/8 1/8	
C4 C5	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00	GEAR, TUNING C SCREW +P 2.6X5 < CAPACITOR > CERAMIC MELF ELECT CERAMIC CHIP	CAPACITOR 5 220PF 10uF 0.01uF	20%	50V	JR1		IC CXA1238S < JUMPER RESIS METAL CHIP METAL CHIP	0			B₩
C4 C5 C6	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00 1-163-159-00	GEAR, TUNING OF SCREW +P 2.6X5 CAPACITOR > CERAMIC MELF ELECT CERAMIC CHIP CERAMIC MELF	CAPACITOR 5 220PF 10uF	20% 10%	50V 50V	JR1 JR2	1-216-296-00 1-216-296-00	IC CXA1238S < JUMPER RESIS METAL CHIP METAL CHIP METAL CHIP METAL CHIP	0	5%	1/8	BW BW
C4 C5	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00 1-163-159-00	GEAR, TUNING C SCREW +P 2.6X5 < CAPACITOR > CERAMIC MELF ELECT CERAMIC CHIP	220PF 10uF 0.01uF 2.2PF	20% 10% 10%	50V 50V 50V	JR1 JR2 JR3	1-216-296-00 1-216-296-00 1-216-296-00	IC CXA1238S < JUMPER RESIS METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL CHIP	0 0 0	5% 5%	1/8 1/8	BW BW BW
C4 C5 C6 C7	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00 1-163-159-00 1-163-168-00	GEAR, TUNING OF SCREW +P 2.6X5 CAPACITOR > CERAMIC MELF ELECT CERAMIC CHIP CERAMIC MELF CERAMIC MELF CERAMIC MELF	220PF 10uF 0.01uF 2.2PF	20% 10% 10%	50V 50V 50V	JR1 JR2 JR3 JR8	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	IC CXA1238S < JUMPER RESIS METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL CHIP	0 0 0 0	5% 5% 5%	1/8 1/8 1/8	BW BW BW
C4 C5 C6 C7	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00 1-163-168-00 1-102-961-00	GEAR, TUNING OF SCREW +P 2.6X5 CAPACITOR > CERAMIC MELF ELECT CERAMIC CHIP CERAMIC MELF CERAMIC MELF CERAMIC MELF	220PF 10uF 0.01uF 2.2PF 30PF	20% 10% 10% 5%	50V 50V 50V 50V	JR1 JR2 JR3 JR8	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	IC CXA1238S < JUMPER RESIS METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL CHIP	0 0 0 0	5% 5% 5%	1/8 1/8 1/8	BW BW BW
C4 C5 C6 C7	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00 1-163-159-00 1-163-168-00 1-102-961-00 1-163-155-00	GEAR, TUNING OF SCREW +P 2.6X5 CAPACITOR > CERAMIC MELF ELECT CERAMIC CHIP CERAMIC MELF CERAMIC MELF CERAMIC	220PF 10uF 0.01uF 2.2PF 30PF	20% 10% 10% 5%	50V 50V 50V 50V	JR1 JR2 JR3 JR8 JR12	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	IC CXA1238S < JUMPER RESIS METAL CHIP	0 0 0 0	5% 5% 5% 5%	1/8 1/8 1/8 1/8	BW BW BW BW
C4 C5 C6 C7 C8 C9 C10	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00 1-163-159-00 1-163-168-00 1-163-155-00 1-163-150-00	GEAR, TUNING OF SCREW +P 2.6X5 CAPACITOR > CERAMIC MELF ELECT CERAMIC CHIP CERAMIC MELF CERAMIC MELF CERAMIC MELF CERAMIC MELF	220PF 10uF 0. 01uF 2. 2PF 30PF 27PF 8. 2PF	20% 10% 10% 5% 5%	50V 50V 50V 50V 50V 50V	JR1 JR2 JR3 JR8 JR12	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	IC CXA1238S < JUMPER RESIS METAL CHIP	0 0 0 0 0	5% 5% 5% 5%	1/8 1/8 1/8 1/8 1/8 1/8 1/8	BW BW BW BW BW BW
C4 C5 C6 C7 C8	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00 1-163-159-00 1-163-155-00 1-163-155-00 1-163-150-00 1-163-059-00	GEAR, TUNING OF SCREW +P 2.6X5 CAPACITOR > CERAMIC MELF ELECT CERAMIC CHIP CERAMIC MELF	220PF 10uF 0. 01uF 2. 2PF 30PF 27PF 8. 2PF 3. 3PF	20% 10% 10% 5% 5% 10%	50V 50V 50V 50V 50V 50V 50V	JR1 JR2 JR3 JR8 JR12 JR14 JR15	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	IC CXA1238S < JUMPER RESIS METAL CHIP	0 0 0 0 0	5% 5% 5% 5% 5% 5% 5%	1/8 1/8 1/8 1/8 1/8 1/8 1/8	BW BW BW BW BW BW
C4 C5 C6 C7 C8 C9 C10 C11	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00 1-163-159-00 1-163-155-00 1-163-155-00 1-163-150-00 1-163-059-00	GEAR, TUNING OF SCREW +P 2.6X5 CAPACITOR > CERAMIC MELF ELECT CERAMIC MELF CERAMIC CHIP	220PF 10uF 0. 01uF 2. 2PF 30PF 27PF 8. 2PF 3. 3PF 0. 01uF	20% 10% 10% 5% 5% 10% 10%	50V 50V 50V 50V 50V 50V 50V 50V	JR1 JR2 JR3 JR8 JR12 JR14 JR15 JR17	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	IC CXA1238S < JUMPER RESIS METAL CHIP	0 0 0 0 0	5% 5% 5% 5% 5% 5%	1/8 1/8 1/8 1/8 1/8 1/8 1/8	BW BW BW BW BW BW
C4 C5 C6 C7 C8 C9 C10 C11	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00 1-163-159-00 1-163-155-00 1-163-155-00 1-163-150-00 1-163-059-00	GEAR, TUNING OF SCREW +P 2.6X5 CAPACITOR > CERAMIC MELF ELECT CERAMIC MELF	220PF 10uF 0. 01uF 2. 2PF 30PF 27PF 8. 2PF 3. 3PF 0. 01uF	20% 10% 10% 5% 5% 10% 10%	50V 50V 50V 50V 50V 50V 50V 50V	JR1 JR2 JR3 JR8 JR12 JR14 JR15 JR17 JR18	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	CXA1238S JUMPER RESIS METAL CHIP	0 0 0 0 0	5% 5% 5% 5% 5% 5% 5%	1/8 1/8 1/8 1/8 1/8 1/8 1/8	BW BW BW BW BW BW
C4 C5 C6 C7 C8 C9 C10 C11	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00 1-163-168-00 1-163-155-00 1-163-155-00 1-163-150-00 1-163-181-00	GEAR, TUNING OF SCREW +P 2.6X5 CAPACITOR > CERAMIC MELF ELECT CERAMIC MELF ELECT	220PF 10uF 0. 01uF 2. 2PF 30PF 27PF 8. 2PF 3. 3PF 0. 01uF 100PF	20% 10% 10% 5% 5% 10% 10% 10%	50V 50V 50V 50V 50V 50V 50V 50V 50V	JR1 JR2 JR3 JR8 JR12 JR14 JR15 JR17 JR18	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	IC CXA1238S < JUMPER RESIS METAL CHIP	0 0 0 0 0	5% 5% 5% 5% 5% 5% 5%	1/8 1/8 1/8 1/8 1/8 1/8 1/8	BW BW BW BW BW BW
C4 C5 C6 C7 C8 C9 C10 C11 C12	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00 1-163-159-00 1-163-155-00 1-163-155-00 1-163-150-00 1-163-181-00 1-124-927-11	GEAR, TUNING OF SCREW +P 2.6X5 CAPACITOR > CERAMIC MELF ELECT CERAMIC MELF	220PF 10uF 0. 01uF 2. 2PF 30PF 27PF 8. 2PF 3. 3PF 0. 01uF 100PF	20% 10% 10% 5% 5% 10% 10% 10%	50V 50V 50V 50V 50V 50V 50V 50V 50V	JR1 JR2 JR3 JR8 JR12 JR14 JR15 JR17 JR18	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	IC CXA1238S < JUMPER RESIS METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL CHIP	0 0 0 0 0 0	5% 5% 5% 5% 5% 5% 5%	1/8 1/8 1/8 1/8 1/8 1/8 1/8	BW BW BW BW BW BW
C4 C5 C6 C7 C8 C9 C10 C11 C12	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00 1-163-159-00 1-163-155-00 1-163-155-00 1-163-150-00 1-163-181-00 1-124-927-11 1-124-903-11	GEAR, TUNING OF SCREW +P 2.6X5 CAPACITOR > CERAMIC MELF ELECT CERAMIC MELF	220PF 10uF 0. 01uF 2. 2PF 30PF 27PF 8. 2PF 3. 3PF 0. 01uF 100PF 4. 7uF 1uF	20% 10% 5% 5% 5% 10% 10% 10% 20%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V	JR1 JR2 JR3 JR8 JR12 JR14 JR15 JR17 JR18	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	IC CXA1238S < JUMPER RESIS METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL CHIP COIL, AIR-COR	0 0 0 0 0 0	5% 5% 5% 5% 5% 5% 5%	1/8 1/8 1/8 1/8 1/8 1/8 1/8	BW BW BW BW BW BW
C4 C5 C6 C7 C8 C9 C10 C11 C12 C15 C16 C17	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00 1-163-159-00 1-163-155-00 1-163-155-00 1-163-151-00 1-163-181-00 1-124-927-11 1-124-903-11 1-124-126-00 1-124-126-00	GEAR, TUNING OF SCREW +P 2.6X5 CAPACITOR > CERAMIC MELF ELECT CERAMIC MELF	220PF 10uF 0. 01uF 2. 2PF 30PF 27PF 8. 2PF 3. 3PF 0. 01uF 100PF 4. 7uF 1uF 47uF	20% 10% 5% 5% 10% 10% 10% 20% 20%	50V 50V 50V 50V 50V 50V 50V 50V 50V 100V 50V	JR1 JR2 JR3 JR8 JR12 JR14 JR15 JR17 JR18 JR19	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	IC CXA1238S < JUMPER RESIS METAL CHIP COIL > COIL, AIR-CORR COIL (WITH COIL	0 0 0 0 0 0 0 0 0	5% 5% 5% 5% 5% 5% 5% 5%	1/8 1/8 1/8 1/8 1/8 1/8 1/8	BW BW BW BW BW BW
C4 C5 C6 C7 C8 C9 C10 C11 C12 C15 C16 C17 C18	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00 1-163-159-00 1-163-155-00 1-163-155-00 1-163-151-00 1-163-181-00 1-124-927-11 1-124-903-11 1-124-126-00 1-124-126-00	GEAR, TUNING OF SCREW +P 2.6X5 CERAMIC MELF ELECT CERAMIC MELF CERAMI	220PF 10uF 0. 01uF 2. 2PF 30PF 27PF 8. 2PF 3. 3PF 0. 01uF 100PF 4. 7uF 1uF 47uF	20% 10% 5% 5% 10% 10% 10% 20% 20% 20%	50V 50V 50V 50V 50V 50V 50V 50V 100V 50V 10V 50V	JR1 JR2 JR3 JR8 JR12 JR14 JR15 JR17 JR18 JR19	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-428-776-11 1-460-205-11 1-402-158-11	IC CXA1238S < JUMPER RESIS METAL CHIP COIL > COIL, AIR-CORR COIL (WITH COR	0 0 0 0 0 0 0 0 0	5% 5% 5% 5% 5% 5% 5% 5%	1/8 1/8 1/8 1/8 1/8 1/8 1/8	BW BW BW BW BW BW
C4 C5 C6 C7 C8 C9 C10 C11 C12 C15 C16 C17 C18	3-388-189-01 7-621-770-87 1-163-189-00 1-124-907-11 1-163-059-00 1-163-159-00 1-163-155-00 1-163-155-00 1-163-151-00 1-163-181-00 1-124-927-11 1-124-903-11 1-124-126-00 1-124-126-00	GEAR, TUNING OF SCREW +P 2.6X5 CAPACITOR > CERAMIC MELF ELECT CERAMIC MELF CERAMIC CHIP CERAMIC MELF CERAMIC MELF CERAMIC MELF CERAMIC MELF CERAMIC MELF CERAMIC MELF CERAMIC CHIP	220PF 10uF 0. 01uF 2. 2PF 30PF 27PF 8. 2PF 3. 3PF 0. 01uF 100PF 4. 7uF 1uF 47uF	20% 10% 5% 5% 10% 10% 10% 20% 20% 20%	50V 50V 50V 50V 50V 50V 50V 50V 100V 50V 10V	JR1 JR2 JR3 JR8 JR12 JR14 JR15 JR17 JR18 JR19	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	IC CXA1238S < JUMPER RESIS METAL CHIP COIL > COIL, AIR-CORR COIL (WITH COR	0 0 0 0 0 0 0 0 0	5% 5% 5% 5% 5% 5% 5% 5%	1/8 1/8 1/8 1/8 1/8 1/8 1/8	BW BW BW BW BW BW

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

TUNER

Pof No	J Part No.	Description	Remark	Ref No	Part No.	Description	Remark
ne1. No.				MC1. NO.		·	
		< TRANSISTOR >				ES & PACKING MATERIALS	
Q2	8-729-900-80	TRANSISTOR DTC114ES					
				<u>A</u>		CORD, POWER	(Bugi toli abantali
		< RESISTOR >			3-758-307-5]	MANUAL, INSTRUCTION	(ENGLISH, SPANISH ITALIAN, DUTCH)
R1	1-249-413-11	CARBON 470	5% 1/4W		3-758-307-81	MANUAL, INSTRUCTION	
R3	1-249-421-11		5% 1/4W	*		I INDIVIDUAL CARTON	
R6	1-249-441-11		•	*		CUSHION (L)	
R7	1-249-417-11	CARBON 1K	5% 1/4W	*	3-900-188-01	CUSHION (R)	
R9	1-249-441-11	CARBON 100K	5% 1/4W	*****	******	*******	******
R10	1-249-404-00		5% 1/4W			******	
R11	1-249-427-11		· ·			HARDWARE LIST	
R12	1-249-427-11					*******	
R13	1-247-807-11	CARBON 100	5% 1/4W	#1	7-685-647-79	SCREW, TAPPING +BV 3	X10
R14	1-249-429-11	CARBON 10K	5% 1/4W	#2		SCREW +P 2X6 TYPE2 N	
R15	1-215-477-00			#3		SCREW +BVTT 3X8 (S)	
R16	1-215-477-00			#4		SCREW +BVTT 3X5 (S)	
R17	1-249-421-11			#5	7-621-770-87	7 SCREW +P 2.6X5	
R21	1-249-411-11	CARBON 330	5% 1/4W				
				#6		SCREW, TOTSU PTPWH 3X	12, TYPE2
R29	1-249-429-11	CARBON 10K	5% 1/4W	#7		5 SCREW +P 3X8	a u a (ua .pp)
		/ HADIANIE DEGLOMOD \		#8		SCREW +BTP 3X10 TYPE	Z N-S (US, AEP)
		<pre>< VARIABLE RESISTOR ></pre>		#9 #10) SCREW +B 2X3 3 SCREW +P 2.6X6 TYPE2	
RV1	1-238-601-11	RES, ADJ, CARBON 22K (V	/C0)	#10	7 000 100 13) SUIL# 1 2. 0A0 111 LZ	
	1 200 001 11	, , , , , , , , , , , , , , , , , , , ,	,	#11	7-685-132-19	SCREW +P 2.6X5 TYPE2	NON-SLIT
		< SWITCH >		#12		I SCREW +P 3X5 TYPE2 N	ON-SLIT
24	4 554 545 44	CHILDON OF THE (DAYE)		#13	7-621-255-15	5 SCREW +P 2X3	
S1	1-5/1-54/-11	SWITCH, SLIDE (BAND)					
		< TRANSFORMER >					
T 1	1-239-249-11	ENCAPSULATED COMPONENT					
*****	******	*******	******				
		MISCELLANEOUS					

120	1-452-531-11	MACNET					
324		HEAD (ERASE)					
<u>1</u> 405		PICK-UP, OPTICAL KSS-2	10B				
ANT1		ANTENNA, TELESCOPIC (F)					
* CNJ301	1-691-561-11	HOUSING, CONNECTOR 4P					
* CN.1302	1-691-562-11	HOUSING, CONNECTOR 5P					
		WIRE, PARALLEL (FFC) (27 CORE)				
		HEAD, MAGNETIC (PB) (DEC					
		HEAD, MAGNETIC (REC/PB)					
M401	X-4920-924-1	MOTOR ASSY (REEL/CAPSTA	AN)				
M701	V_9695_199_1	CEAR AGGY MOTOD (GLED)	1				
M701 M702		GEAR ASSY, MOTOR (SLED) CHASSIS ASSY, TT (SPIN					
M702		GEAR ASSY, MOTOR (SLED)					
		SPEAKER (10CM)					
		SPEAKER (10CM)					

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

CFD-112

SONY. SERVICE MANUAL

AEP Model

SUPPLEMENT-1

File this supplement with the service manual.

Subject: 1. Correction

2. Addition of AEP model and Italian model

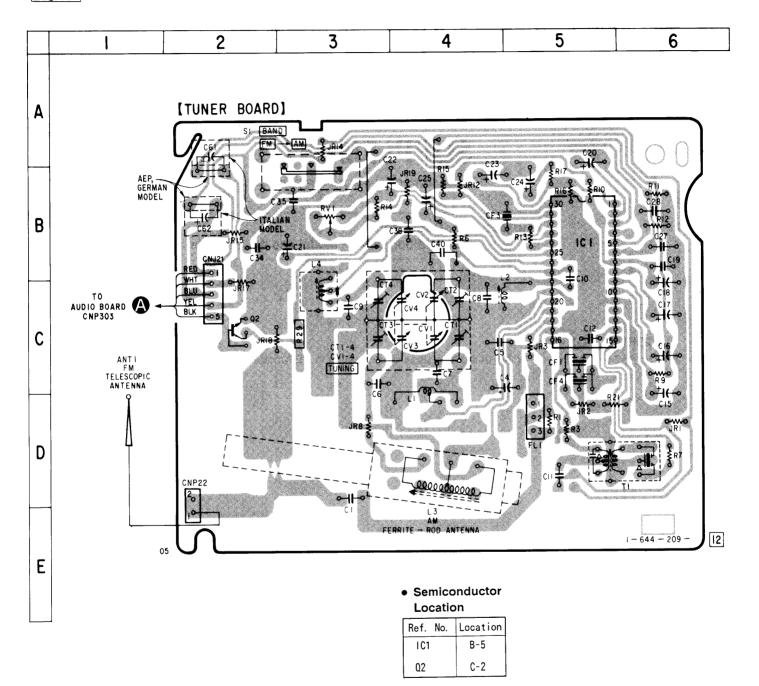
1. CORRECTION

Revise your original service model of the front page of destination to AEP model from German model.

2. ADDITION OF AEP MODEL AND ITALIAN MODEL

2-1. TUNER SECTION PRINTED WIRING BOARD

Page 17



Note:

common : parts extracted from the component side.
indicates side identified with part number.

• △ : internal component.

2-2. TUNER SECTION SCHEMATIC DIAGRAM Page 18-19 5 7 9 10 11 12 13 14 15 ANTI FM TELESCOPIC ANTENNA Α AEP GERMAN MODEL: 8.2P / ITALIAN MODEL: IIP [TUNER BOARD] CT1-4,CV1-4 AEP, GERMAN MODEL: 2.2P C4 T+ 10/50V TUNING C22 ₹ R15 220k ITALIAN MODEL : 3,3P В L3 AM FERRITE-ROD FM FREQUENCY COVERAGE CNP22 C1 220p ANTENNA ← CF3 BPF CT4 C9 SAM OSC R1 470 AEP GERMAN MODEL: 2.2P AM FREQUENCY COVERAGE AM TRACKING FM TRACKING RV1 ≥ R14 22k ≥ 10k VCO IC1 CXAI238S R6 100× C24 +T 4.7/50V C10 3.3p FM/AM FRONT-END, IF AMP, DET, FM MPX 0.8 C23 0.47 T+ 50V R3 2.2 k FE OUT GNĐ FE REG 1.25V FM OSC AM OSC vco MPX REG FM DISCRI PLL LPF ₹ R17 2.2k IF. ĐET FM IF IN TUNING GNĐ AGC AFC AGC RIPPLE AFC FILTER VCC 6V VCO LPF CHECK PILOT AM ÍF IN L CH ĐẾT PLL LPE SELECT (1.5) (1.7) AM IF (1.5)TI__ ₹R16 220k ₹ R21 330 R7 1k C15 + R9 4.7 ↑ 100k C16 + 50∨ T C17 +1 47 10V L-CH DTC114ES ST/MONO SWITCH R-CH GND C34 I C35 I C25 J R10 82 ---BAND TO MD BOARD ---CNP303 FM AM C62 0.47_50V AEP, GERMAN MODEL G 0.47 50V ITALIÀN MODEL Note: All capacitors are in μF unless otherwise noted. pF: μμF : adjustment for repair. 50 WV or less are not indicated except for electrolytics Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions. \bullet All resistors are in Ω and $1\!\!/_{\!\!4}$ W or less unless otherwise no mark: FM specified. (): AM • Voltages are taken with a VOM (10 M Ω /V). • _____ : panel designation. Voltage variations may be noted due to normal production tolerances. Signal path.

2-3. ELECTRICAL ADJUSTMENTS

Page 8

No mark : AEP, German Model (): Italian Model

AM FREC	UENCY COVERAGE	ADJUSTMENT
Adjus	st for a maximum reading	on VTVM.
L.4	515 kHz (516 kHz)
CT4	1,680 kHz (1,	630 kHz)

FM	FREQUENCY COVERAGE ADJUSTMENT
	Adjust for a maximum reading on VTVM.
L2	87.35 MHz (87.35 MHz)
CT2	107.8 MHz (108.3 MHz)

	FM TRACKING ADJUSTMENT	
	Adjust for a maximum reading on VTVM.	
Ll	87.35 MHz (87.35 MHz)	
CT1	107.8 MHz (108.3 MHz)	

2-4. EXPLODED VIEWS

Page	Ref. No.	Part No.	Description
39	4	3-911-388-01 3-911-388-11	PANEL (AEP, German) PANEL (Italian)
40	57	*A-3264-715-A *A-3264-815-A	TUNER BOARD, COMPLETE (AEP, German) TUNER BOARD, COMPLETE (Italian)

2-5. ELECTRICAL PARTS LIST

Page	Ref. No.	Part No.	Description
		*A-3264-715-A *A-3264-815-A	TUNER BOARD, COMPLETE (AEP, German) TUNER BOARD, COMPLETE (Italian)
	C6	1-162-325-11 1-163-150-00	CERAMIC MELF 2.2PF 10% 50V (AEP, German) CERAMIC MELF 3.3PF 10% 50V (Italian)
51	C9	1-162-383-11 1-163-158-00	CERAMIC MELF 8.2PF 10% 50V (AEP, German) CERAMIC MELF 11PF 5% 50V (Italian)
51	C40	1-162-348-11 1-162-347-11	CERAMIC MELF 2.2PF 10% 50V (AEP, German) CERAMIC MELF 1.8PF 20% 50V (Italian)
	C61	1-124-902-00	ELECT 0.47 μF 20% 50V (Italian)
	C62	1-124-902-00	ELECT 0.47 μ F 20% 50V (Italian)

2-6. ACCESSORY

Page	Part No.	Description
52	3-758-307-51 3-758-307-81 3-758-307-91	MANUAL, INSTRUCTION (ENGLISH, SPANISH, ITALIAN, DUTCH) MANUAL, INSTRUCTION (GERMAN) (German) MANUAL, INSTRUCTION (DANISH, FINNISH) (AEP)

NOTE:

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

CFD-112

<u>MEMO</u>

Printing Method for Large Sized Documents Such As Circuit Diagrams

Printing the page that exceeds A4-size two pages (or letter size) is possible by specifying the print range. (Acrobat Reader Version 4.0 or later)

- 1. The enlarged print is made, if a smaller range than A4 size is specified and the A4 size is selected as a print paper.
- 2. Almost real sized print is made, if the range is specified, meeting the print paper size.
- 3. The reduced print is made, if a larger range than the print paper size is specified.

Printing by Specifying a Range

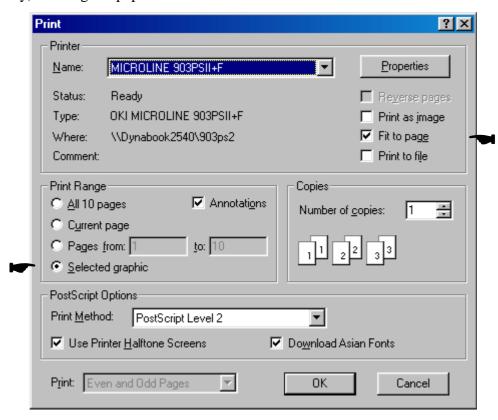
In printing out the drawings such as a schematic diagram and a printed wiring board larger than the printed paper size, they can be printed by specifying the range. (Acrobat Reader Version 4.0 or later)

- 1. Display the page to be printed.
- 2. From the File menu, select [Page Setup] and set the paper size.
- 3. From the Command bar, select [Graphic Select Tool].

(Keep pressing $|\mathbf{T}_{\square}|$, select $|\mathbf{S}|$)



- 4. Dragging the cursor, enclose the range on the page to be printed.
- 5. From the File menu, select [Print] and make sure that the [Selected Graphic] is already checked. Also, if [Fit to page] is checked, the selected range is enlarged or reduced (and rotated as necessary) meeting the paper size.



6. To cancel the printed range, click an arbitrary position on the screen.

REVISION HISTORY

Clicking the version allows you to jump to the revised page.

Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	1994.03 1994.11	New Supplement-1
1.1	2002.05	G C C C C C C C C C C C C C C C C C C C
1.1	2002.03	Correction of Part No. for 314 of Exploded Views (SPM-02013