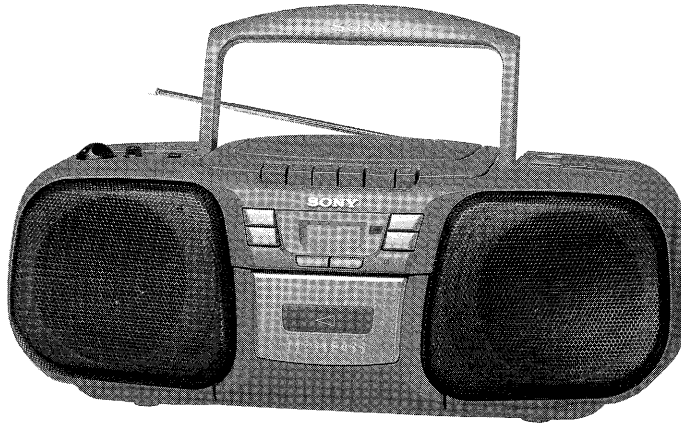


CFD-151

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model



CD Section	Model Name Using Similar Mechanism	CFD-121
	CD Mechanism Type	KSM-213BAN
	Optical Pick-up Name	KSS-213B/K
TC Section	Model Name Using Similar Mechanism	CFD-121
	Tape Transport Mechanism Type	MF-121

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS (US Model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 3.2-ohm loads, both channels driven from 150 -10,000 Hz: rated 2 W per channel minimum RMS power, with no more than 10 % total harmonic distortion in AC operation.

Other Specifications

CD player section

System

Compact disc digital audio system

Laser diode properties

Material: GaAlAs

Wave length: 780 nm

Emission duration: Continuous

Laser output: Less than 44.6 μ W

(This output is the value measured at a distance of about 200 nm from the objective lens surface on the optical pick-up block with 7 mm aperture.)

Spindle speed

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

Number of channels

2

Frequency response

20 - 20,000 Hz $\pm 1/2$ dB

Wow and flutter

Below measurable limit

Radio section

Frequency range

FM:	US, Canadian, E model	87.6 - 108 MHz
	AEP, UK, G, EA model	87.6 - 107 MHz
	Italian model	87.5 - 108 MHz
	East European model	65 - 108 MHz
AM:	US, Canadian model	530 - 1,710 kHz
	AEP, UK, E, G, EA	
	East European model	531 - 1,602 kHz
	Italian model	526.5 - 1,606.5 kHz

IF

FM: 10.7 MHz

AM: 455 kHz

Aerials

FM: Telescopic aerial

AM: Built-in ferrite bar aerial

Cassette-corder section

Recording system

4-track 2 channel stereo

Fast winding time

Approx. 115 s (sec.) with Sony cassette C-60

Frequency response

TYPE I (normal): 70 - 10,000 Hz

— Continued on next page —

CD RADIO CASSETTE-CORDER
SONY®



General

Speaker

Full range: 10 cm dia., 3.2 ohms, cone type (2)

Outputs

Headphones jack (stereo minijack)

For 16 - 68 ohms impedance headphones

Power output (excluding US model)

2.3 W + 2.3 W (at 3.2 ohms, 10 % harmonic distortion)

Power requirements

120 V AC, 60 Hz (US, Canadian model)

220 - 230 V AC, 50 Hz (AEP, G, Italian, East European model)

230 - 240 V AC, 50 Hz (UK model)

110 - 120 V, 220 - 240 V AC selectable 50/60 Hz (E, EA model)

9 V DC, 6 R20 (size D) batteries

For remote controller:

3 V DC, 2 R6 (size AA) batteries

Power consumption

AC 20 W

Battery life

For CD radio cassette-corder:

FM recording

Sony R20P: approx. 13.5 h

Sony alkaline LR20: approx. 19 h

Tape playback

Sony R20P: approx. 7.5 h

Sony alkaline LR20: approx. 12 h

CD playback

Sony R20P: approx. 2.5 h

Sony alkaline LR20: approx. 4.5 h

Dimensions

Approx. 446×165×234 mm (w/h/d)

(17 5/8 × 6 1/2 × 9 1/4 inches) (incl. projecting parts)

Mass

Approx. 3.8 kg (8 lb. 6 oz) (incl. batteries)

Supplied accessory

AC power cord (1)

Remote controller RMT-C151 (1)

Design and specifications are subject to change without notice.

Abbreviation

G : German model

EA : Saudi Arabia model

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

This appliance is classified as a CLASS 1 LASER product.

The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

CAUTION

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

Flexible Circuit Board Repairing

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

Notes on Chip Component Replacement

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

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

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

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

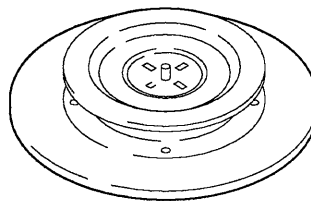
NOTES ON LASER DIODE EMISSION CHECK

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

CHUCK PLATE JIG ON REPAIRING

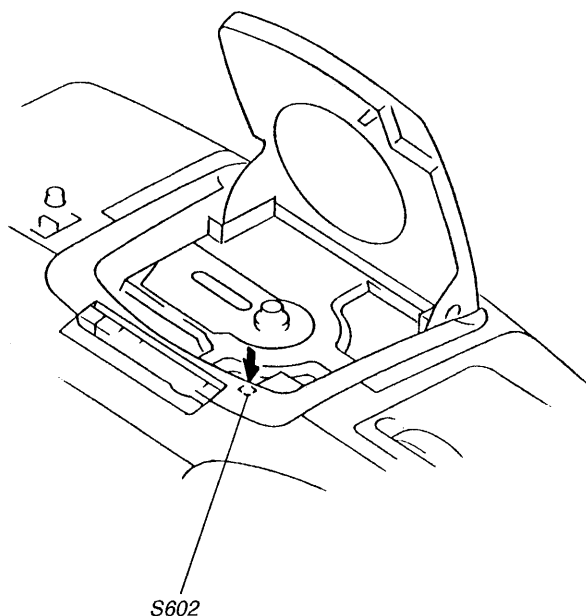
On repairing CD section, playing a disc without the CD lid, use Chuck Plate jig.

- Code number of Chuck Plate jig : X-4918-255-1



LASER DIODE AND FOCUS SEARCH OPERATION CHECK

1. Open the lid for CD.
2. Push on PUSH SWITCH (S602) as following figure.
3. 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 search.



SAFETY CHECK-OUT

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

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

LEAKAGE TEST

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

Leakage current can be measured by any one of three methods.

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

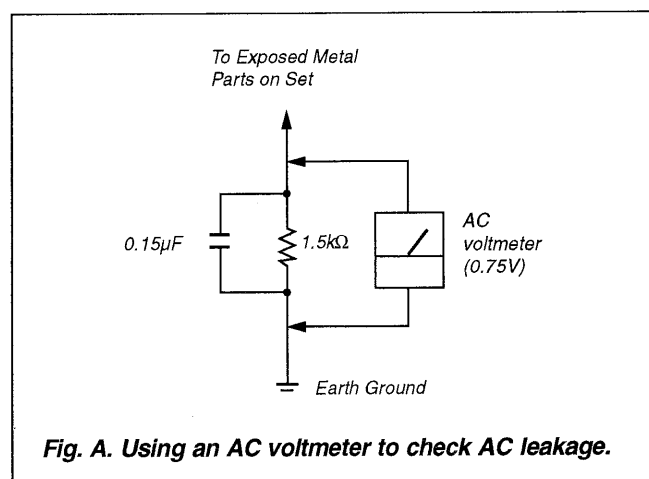


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

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

TABLE OF CONTENTS

1. GENERAL

Playing a CD	5
Listening to the radio	6
Playing a tape	7
Recording on a tape	8

2. DISASSEMBLY

2-1. Front Cabinet	9
2-2. MD Block	9
2-3. Main Board	10
2-4. Tuner Block	10
2-5. CD Block	11
2-6. Power Board	11
2-7. Knob (TU) Setting	12

3. MECHANICAL ADJUSTMENTS

13

4. ELECTRICAL ADJUSTMENTS

4-1. Tape Recorder Section	13
4-2. Tuner Section	15
4-3. CD Section	17

5. DIAGRAMS

5-1. Circuit Boards Location	21
5-2. Printed Wiring Boards	21
5-3. Schematic Diagram	25

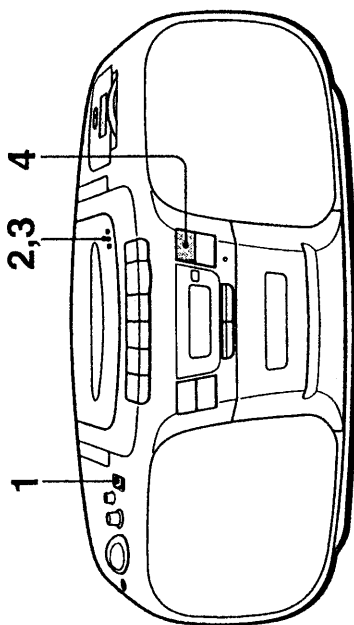
6. EXPLODED VIEWS

6-1. Front Cabinet Section	35
6-2. Rear Cabinet Section	36
6-3. CD Section	38
6-4. Mechanism Deck Section-1	39
6-5. Mechanism Deck Section-2	40
6-6. Optical Pick-up Block	42

7. ELECTRICAL PARTS LIST

43

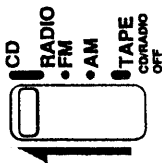
Playing a CD



Connect the supplied AC power cord (see page 16).

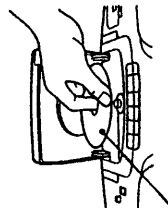
1

Set FUNCTION to CD.



2

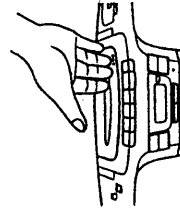
Press OPEN/CLOSE down to open the CD compartment and place a CD on the CD compartment.



With the label side up

3

Close the CD compartment.



SECTION 1 GENERAL

This section extracted from instruction manual.

Basic Operations

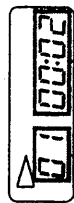
4



Press ►||.

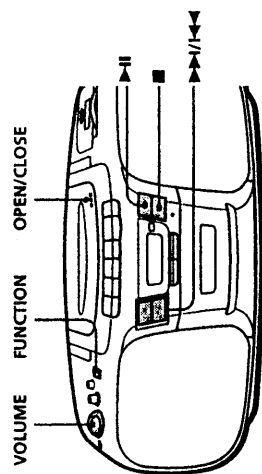
The player plays all the tracks once.

Display



Track number Playing time

Use these buttons for additional operations



VOLUME FUNCTION OPEN/CLOSE

To

Do this

Adjust the volume

Turn VOLUME.

Stop playback

Press ■.

Pause playback

Press ►||.

Press again to resume play after pause.

Go to the next track

Press ►▶.

Go back to the previous track

Press ◀◀.

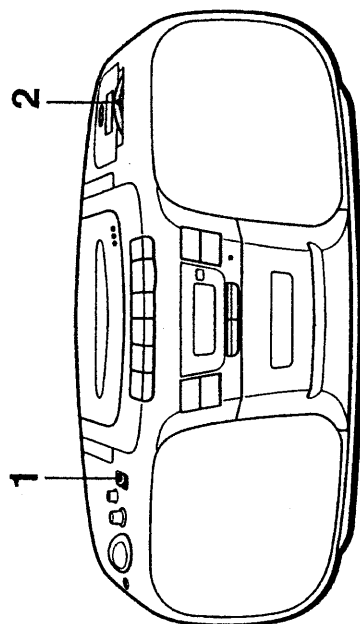
Remove the CD

Press OPEN/CLOSE.

Turn off the player

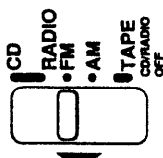
Set FUNCTION to TAPE (CD/RADIO OFF).

Listening to the radio



Connect the supplied AC power cord (see page 16).

- 1 Set FUNCTION to RADIO FM or AM.

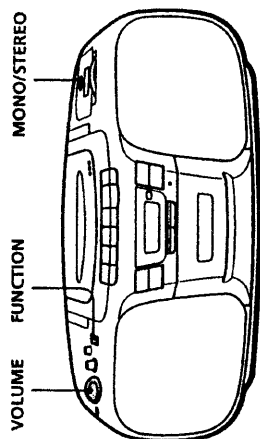


- 2 Turn TUNING to tune in a radio station.
If the received FM stereo is too weak, the reception becomes monaural.



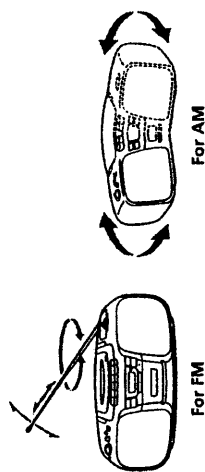
Tip
To receive an FM stereo program (for models for Europe, UK and Italy) Set the MONO/STEREO selector to STEREO. If the FM broadcast is noisy, set the selector to MONO and the radio will play in monaural.

Use these buttons for additional operations

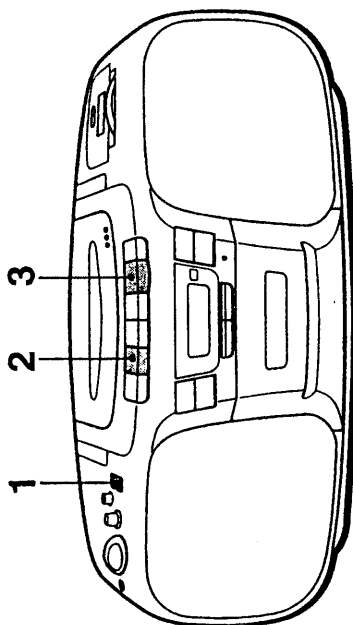


To	Do this
Adjust the volume	Turn VOLUME
Turn off the radio	Set FUNCTION to TAPE (CD/RADIO OFF).

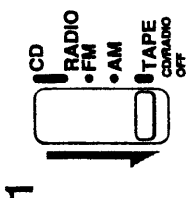
To improve broadcast reception
Reorient the antenna for FM. Reorient the player itself for AM.



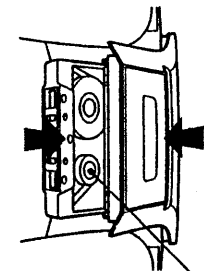
Playing a tape



Connect the supplied AC power cord (see page 16).

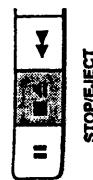


1



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

With the side you want to play facing forward



STOP/EJECT

2



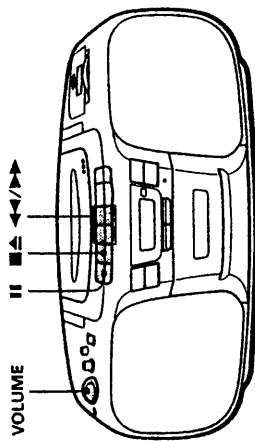
PLAY

3

Press

Basic Operations

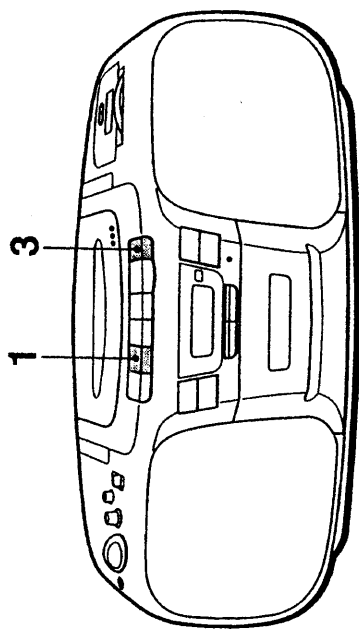
Use these buttons for additional operations



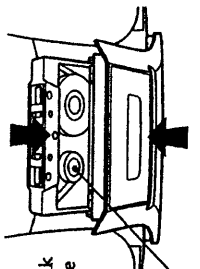
To	Do this
Adjust the volume	Turn VOLUME.
Stop playback	Press .
Fast-forward or rewind the tape*	Press or .
Pause playback	Press .
Eject the cassette	Press the button again to resume play after pause. Press .

*For the side facing forward

Recording on a tape

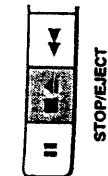


Connect the supplied AC power cord (see page 16).



Press **▲** to open the tape compartment and insert a blank tape. Use TYPE I (normal) tape only.

With the side you want to record on facing forward

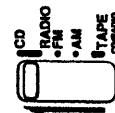


1

2

Select the program source you want to record.

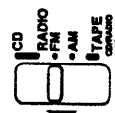
To record from the CD player, set FUNCTION to CD and insert a CD (see page 4).



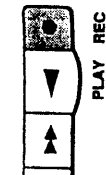
Display

12 55:27

To record from the radio, set FUNCTION to RADIO FM or AM and tune in the station you want (see page 6).

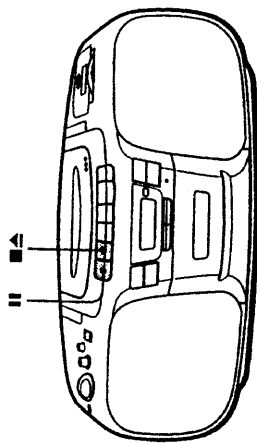


3



Press **●** to start recording. (**◀** is depressed automatically).

Use these buttons for additional operations



To	Press
Stop recording	■ ▲
Pause recording	
	Press the button again to resume recording.

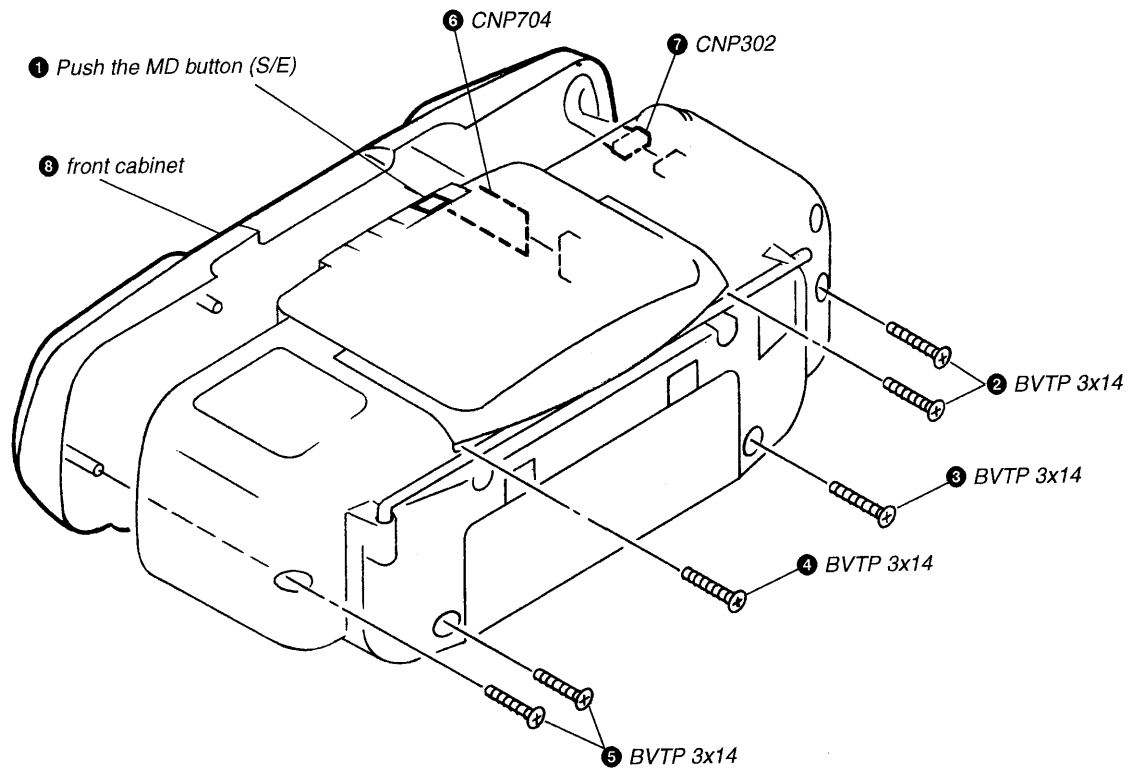
Tips

- Adjusting the volume or the tone will not affect the recording level.
- For the best results, use the AC power as a power source for recording.
- To erase a recording, proceed as follows:
 - 1 Set FUNCTION to TAPE (CD/RADIO OFF).
 - 2 Press **●**.

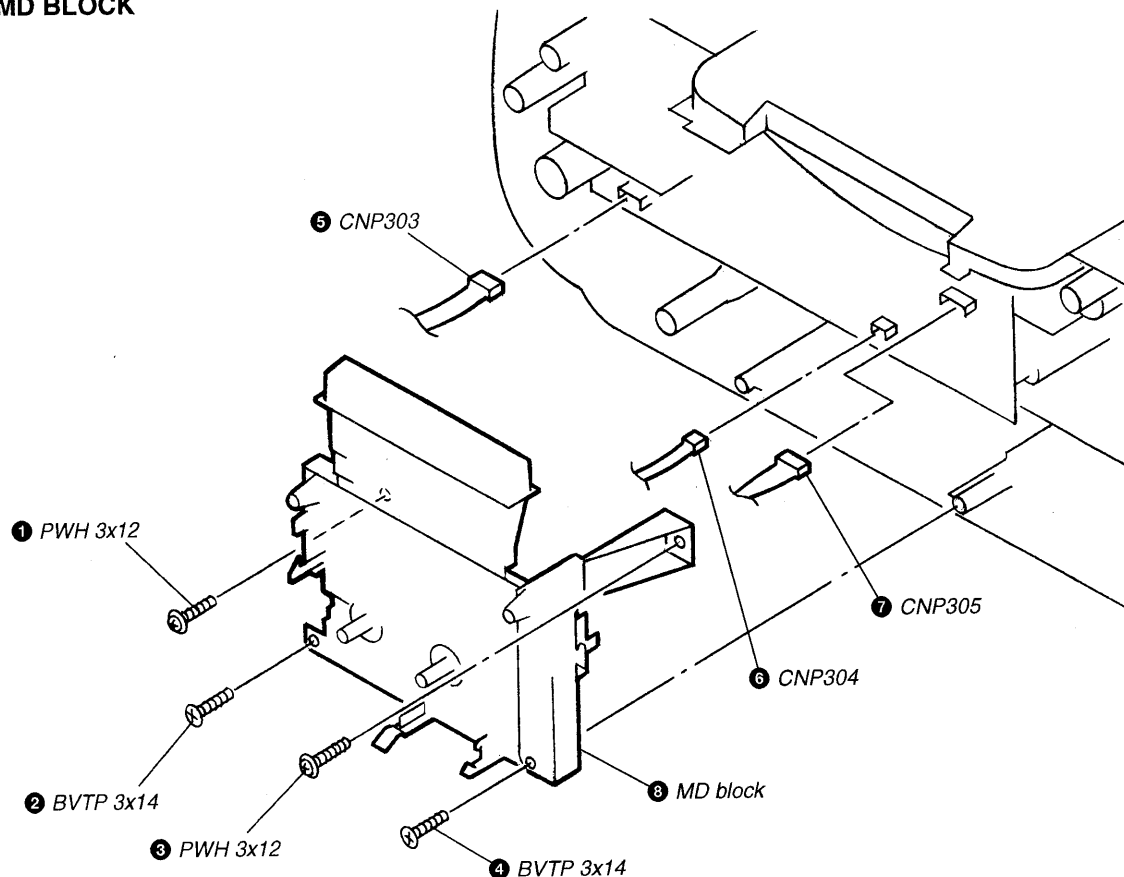
SECTION 2 DISASSEMBLY

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

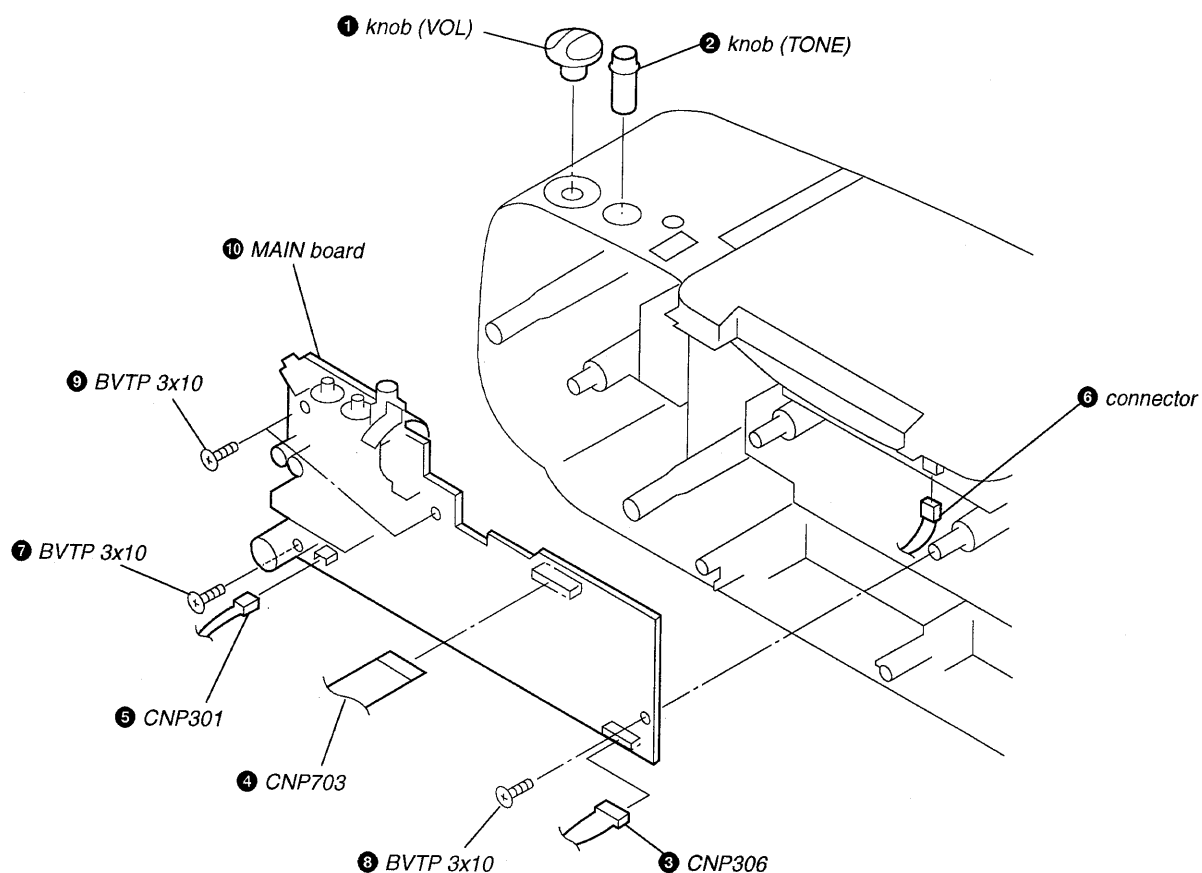
2-1. FRONT CABINET



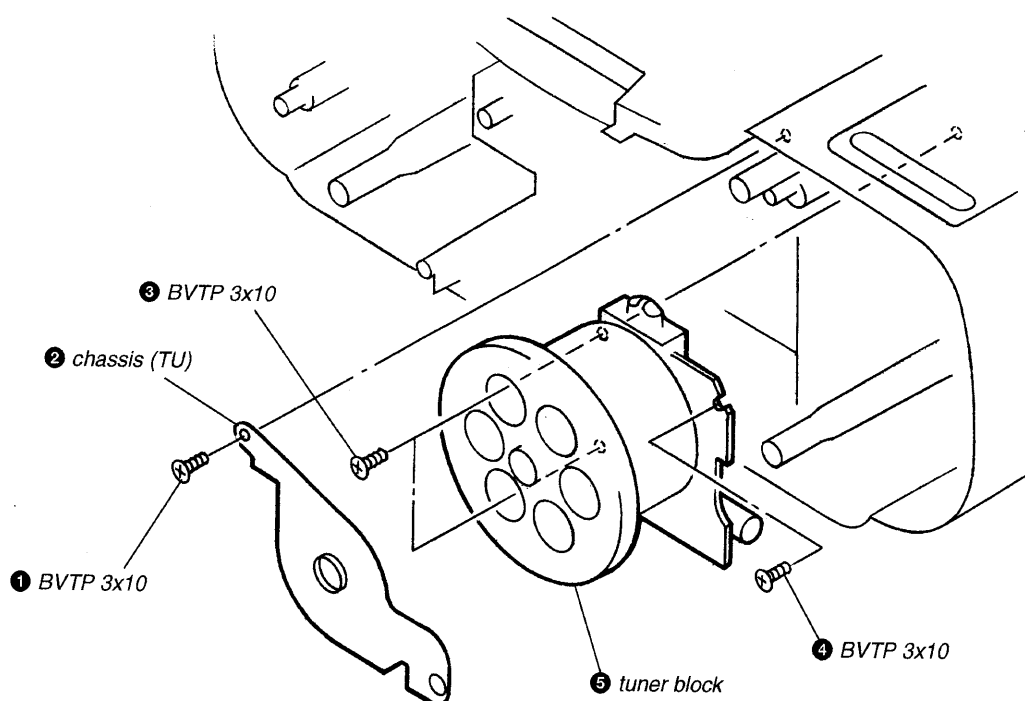
2-2. MD BLOCK



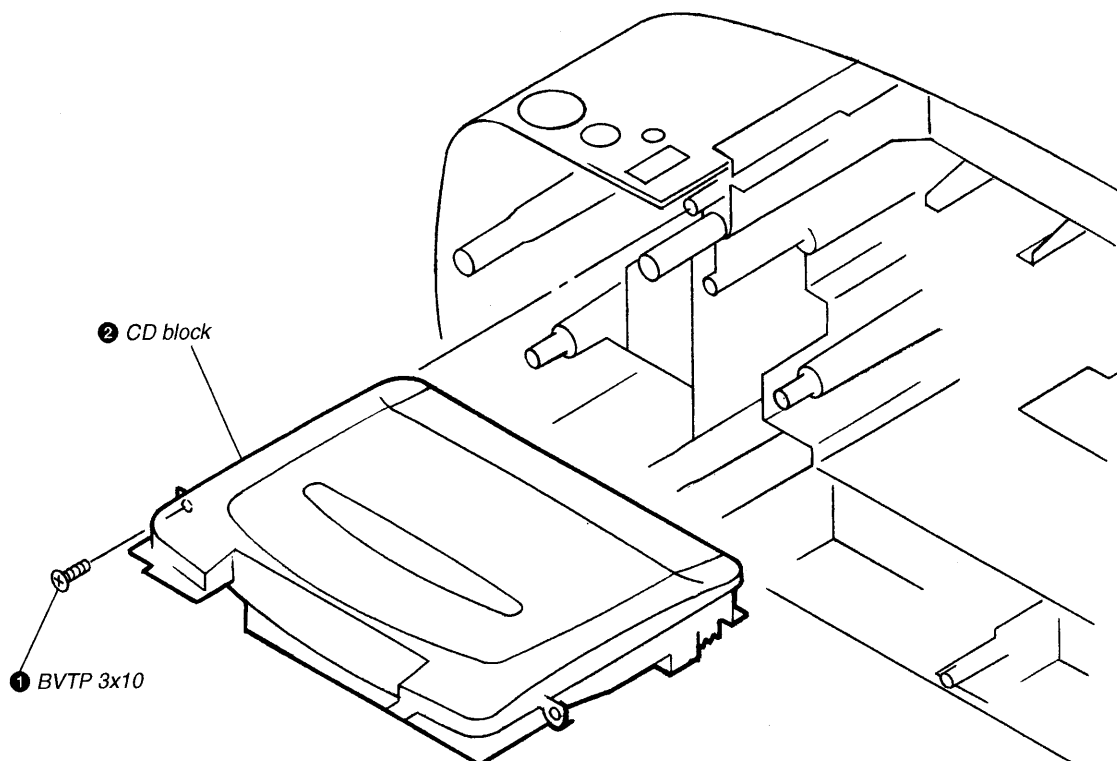
2-3. MAIN BOARD



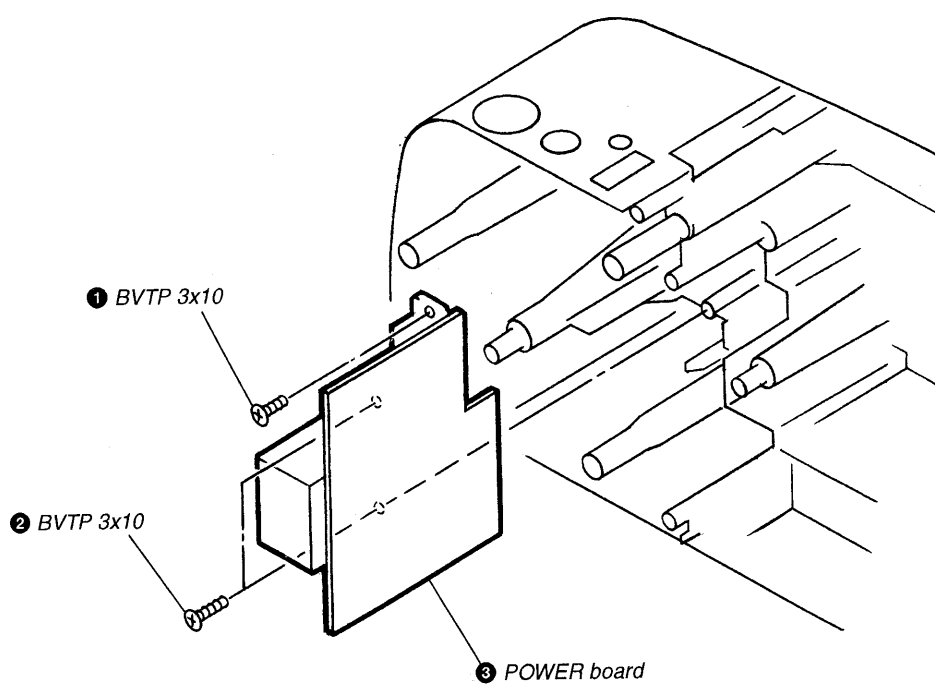
2-4. TUNER BLOCK



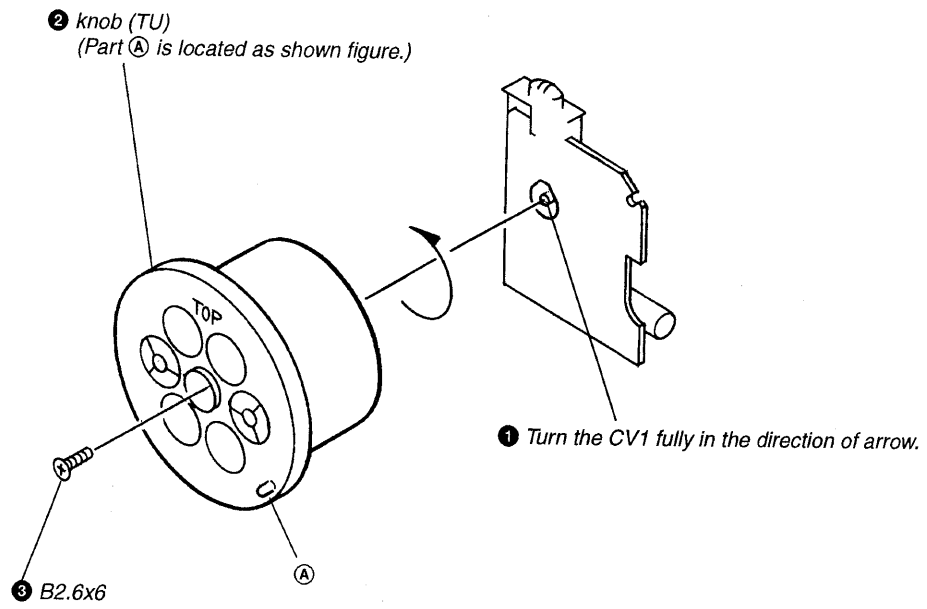
2-5. CD BLOCK



2-6. POWER BOARD



2-7. KNOB (TU) SETTING



SECTION 3 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 magnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Mode	Torque Meter	Meter Reading
FWD	CQ-102C	30–70 g • cm (0.42–0.97 oz • inch)
FWD Back Tension	CQ-102C	1.5–5.5 g • cm (0.021–0.076 oz • inch)
FF	CQ-201B	more than 60 g • cm (more than 0.83 oz • inch)
REW	CQ-201B	more than 60 g • cm (more than 0.83 oz • inch)

Tape Tension Measurement

Mode	Tension meter	Meter Reading
FWD	CQ-403A	more than 100 g (more than 3.53 oz)

SECTION 4 ELECTRICAL ADJUSTMENTS

4-1. TAPE RECORDER SECTION 0 dB = 0.775 V

• Standard Output Level

Output terminal	HP OUT
load impedance	32 Ω
output signal level	0.25 V (–10 dB)

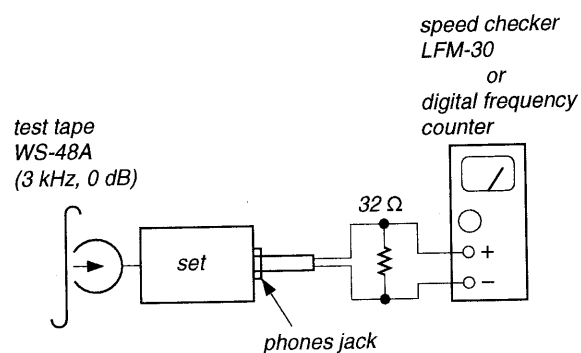
• Test Tape

Type	Signal	Used for
WS-48A	3 kHz, 0 dB	tape speed adjustment
P-4-A063	6.3 kHz, –10 dB	head azimuth adjustment

Tape Speed Adjustment

Procedure :

Mode: playback

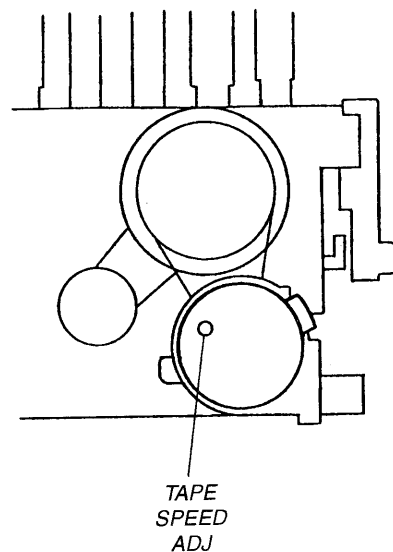


Adjustment Value :

Speed checker	Digital frequency counter
– 0.5 to + 0.5 %	2,985 to 3,015 Hz

Frequency difference between the beginning and the end of the tape should be within ± 1.5 % (45 Hz).

Adjustment Location:

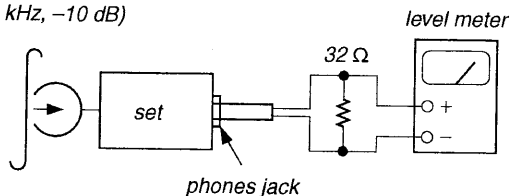


REC/PB Head Azimuth Adjustment

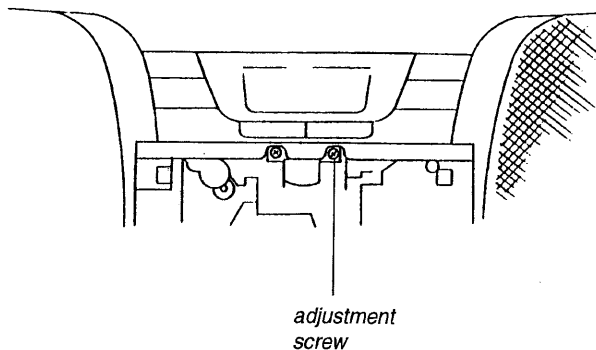
Procedure :

1. Mode : playback

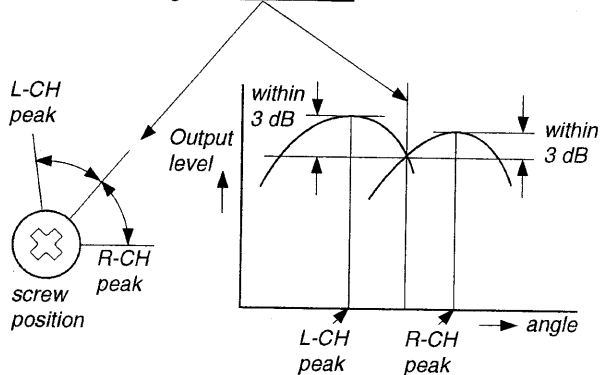
test tape
P-4-A063
(6.3 kHz, -10 dB)



Adjustment Location : record/playback head

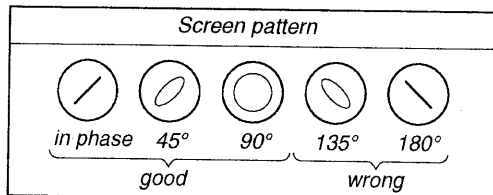
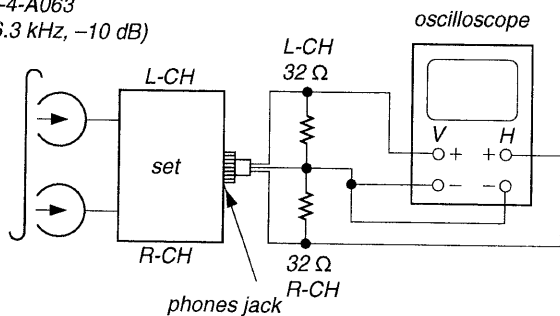


2. Turn the adjustment screw for the maximum output levels. If these levels do not match. Turn the adjustment screw until both of output levels match together within 3 dB.



3. Phase Check
Mode : playback

test tape
P-4-A063
(6.3 kHz, -10 dB)



Note : Finish the screw adjustment with a turn in the clockwise direction.
After the adjustment, lock the adjustment screw.

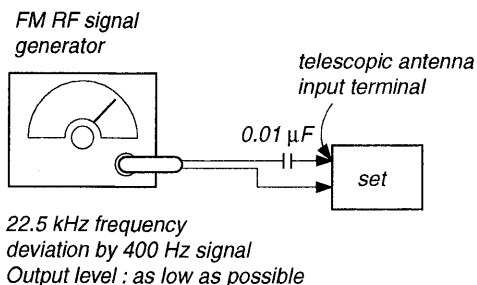
4-2. TUNER SECTION

0 dB = 1 μ V

• FM Section

Setting :

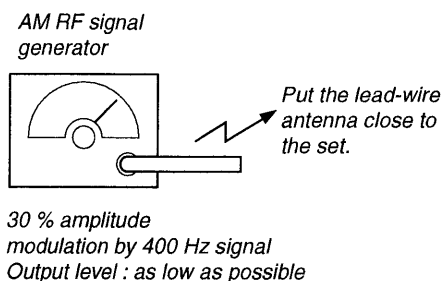
FUNCTION switch : FM



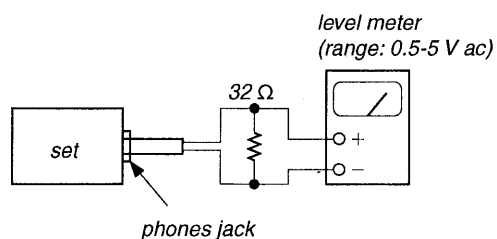
• AM Section

Setting :

FUNCTION switch : AM



• Connecting Level Meter (FM and AM)



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

FM FREQUENCY COVERAGE ADJUSTMENT

Adjust for a maximum reading on level meter.

L2	CT2
86.5 MHz (87.0 MHz) <87.35 MHz> ((64.0 MHz))	109.5 MHz (108.3 MHz) <108.25 MHz> ((109.5 MHz))

FM TRACKING ADJUSTMENT

Adjust for a maximum reading on level meter.

L1	CT1
86.5 MHz (87.0 MHz) <87.35 MHz> ((68.0 MHz))	109.5 MHz (108.3 MHz) <108.25 MHz> ((102.0 MHz))

AM FREQUENCY COVERAGE ADJUSTMENT

Adjust for a maximum reading on level meter.

L4	CT4
520 kHz <516 kHz>	1,780 kHz <1,630 kHz> <<1,680 kHz>>

AM TRACKING ADJUSTMENT

Adjust for a maximum reading on level meter.

L3	CT3
620 kHz	1,400 kHz

() : AEP, UK, German model

< > : Italian model

(()) : East European model

<< >> : AEP, UK, E, German, East European model

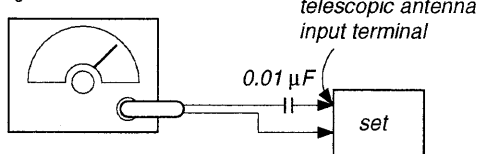
Adjustment Location : See page 16.

FMVCO Adjustment

Setting :

FUNCTION switch : FM

FM RF signal
generator

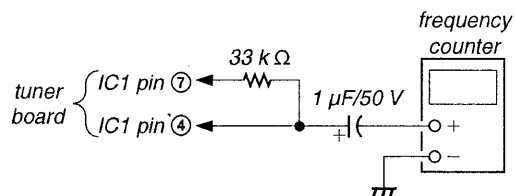


Carrier frequency : 98.0 MHz (Except East European model)
86.0 MHz (East European model)

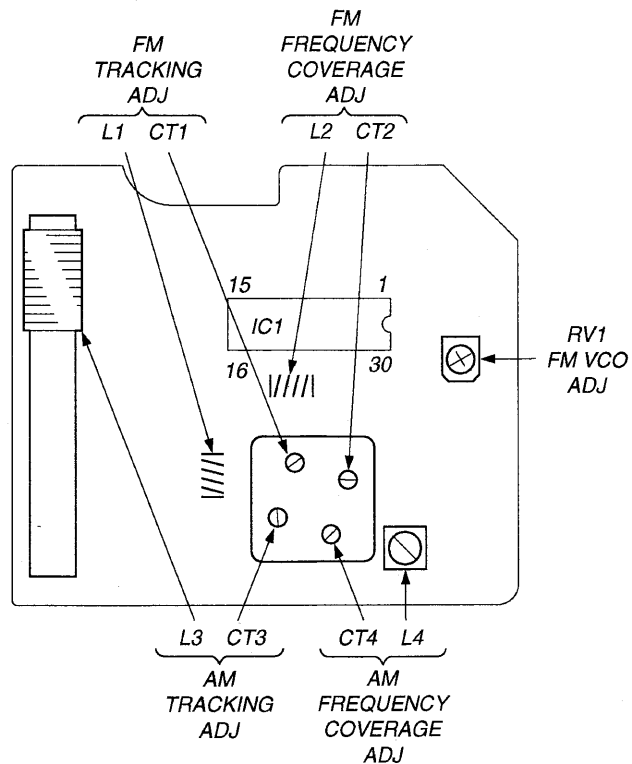
Output level : 100 dB (0.1 V)

Mode : mono

Modulation : 400 Hz



Adjustment Location : tuner board (component side)



Procedure :

1. Connect frequency counter between IC1 pin ⑦ and pin ④.
2. Tune the set to 98.0 MHz (except East European model) or 86.0 MHz (East European model).
3. Adjust RV1 for 76.0 kHz $\pm$ 500 Hz reading on the frequency counter.

4-3. CD SECTION

Notes on Adjustment

- 1. Perform Traverse adjustment in test mode.
After adjustment, be sure to release test mode.
- 2. Perform adjustments in the order given.
- 3. Use the disc (YEDS-18, Part No. 3-702-101-01) only when so indicated.
- 4. Short the both sides of R720 on the CD board for stop operation of anti-shock circuit. (See page 20.)

• Switch position
FUNCTION switch : CD

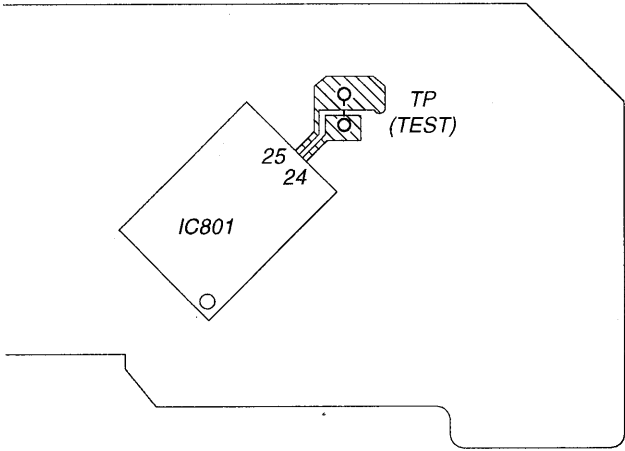
• In case of Test Mode

- 1. Short the solder bridge the TP (TEST) on the CONTROL board.
- 2. Insert the AC power plug.

• Release the Test Mode

Release the shorted solder bridge the TP (TEST), the test mode is release.

—control board (conductor side) —



Before Adjustment

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

• Sled Motor Check

Press the >>> and <<< buttons and confirm that the optical pick-up moves smoothly from the innermost to outermost circumference and back smoothly and with no catching or abnormal noises.

>>> : Optical pick-up moves to the outer circumference

<<< : Optical pick-up moves to the inner circumference

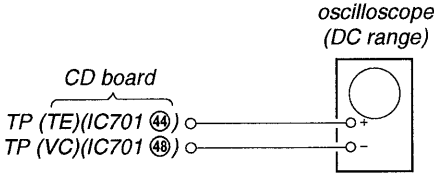
• Focus Search Check

- 1. Push the >>> button. (Focus search operation is performed continuously.)
- 2. Look at the optical pick-up objective lens and confirm the it moves up and down smoothly, with no catching or abnormal noises.
- 3. Push the □ button.
Confirm that focus search operation stops. If it does not, push the □ button again longer.

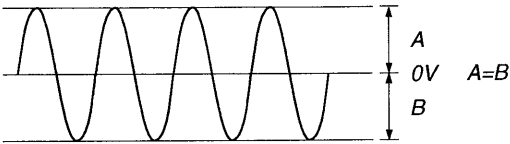
Traverse Adjustment

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

Procedure:



- 1. Connect the oscilloscope between TP (TE) and TP (VC).
- 2. Put the set into test mode.
- 3. Push the CD lid to open and insert disc (YEDS-18).
- 4. Close the CD lid.
- 5. Press the >>> and <<< buttons to move the optical pick-up to the center.
- 6. Push the >>> button.
- 7. Push the □ button.
- 8. Push the >>> button.
- 9. Adjust RV703 so that the oscilloscope traverse waveform is symmetrical, as shown in the figure below.
- 10. Release test mode after adjustment is completed.

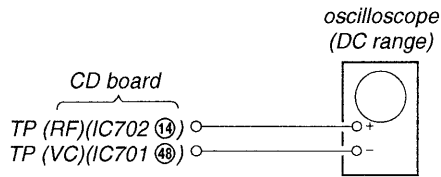


Adjustment Location : See page 20.

Focus Bias Adjustment

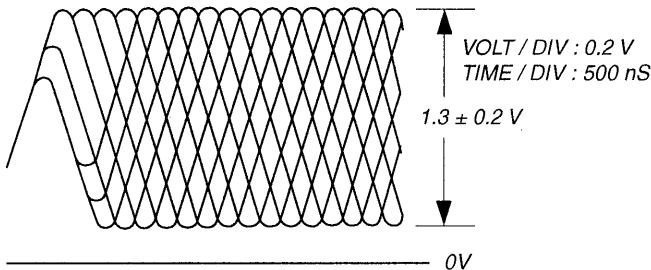
This adjustment is to be done when the optical pick-up block is replaced.

Procedure :



- 1. Connect the oscilloscope between TP (RF) and TP (VC).
- 2. Insert disc (YEDS-18) and push the ▶ button.
- 3. Adjust RV701 so that the oscilloscope waveform is maximum as shown in the figure below (eye pattern).

• RF signal reference waveform (eye pattern)



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

Adjustment Location : See page 20.

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 raised, the noise when the 2-axis device operates increases.
- When gain is lowered, it is more susceptible to machanical shock and skipping occurs more easily.

When gain adjustment is off, the symptoms below appear.

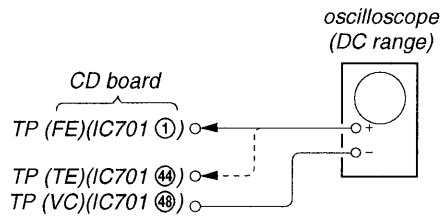
Symptoms	Gain	Focus	Tracking
• The time until music starts becomes longer for □ → ▶ on automatic selection. (◀▶, ▶▶ buttons pressed.) (Normally, takes about 2 seconds.)		low	low or high
• Music does not start and disc continues to rotate for □ → ▶ or automatic selection. (◀▶, ▶▶ buttons pressed.)		—	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-

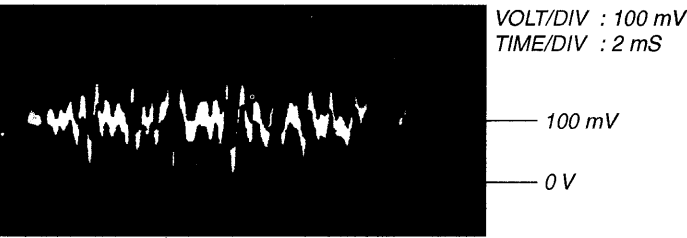
Note : Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment. If the positions after the simple adjustment are only a little different, return the controls to the original position.

Procedure:

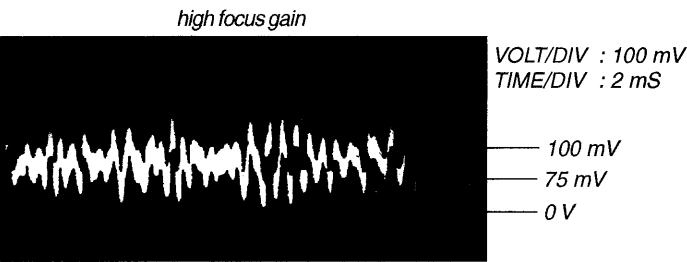
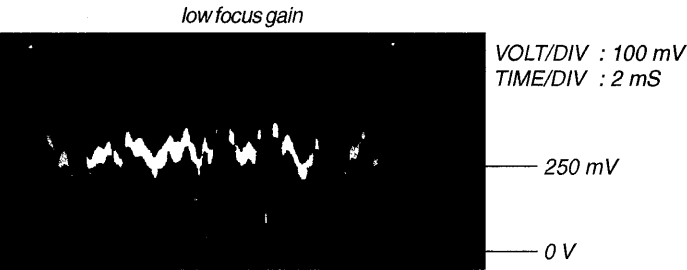


1. Keep the set horizontal.
If the set not horizontal, this adjustment cannot be performed due to the gravity against the 2-axis device.
2. Insert disc (YEDS-18) and push the button.
3. Connect the oscilloscope between TP (FE) and TP (VC).
4. Adjustment RV702 so that the waveform is as shown in the figure below. (focus gain adjustment)

• Correct Example



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

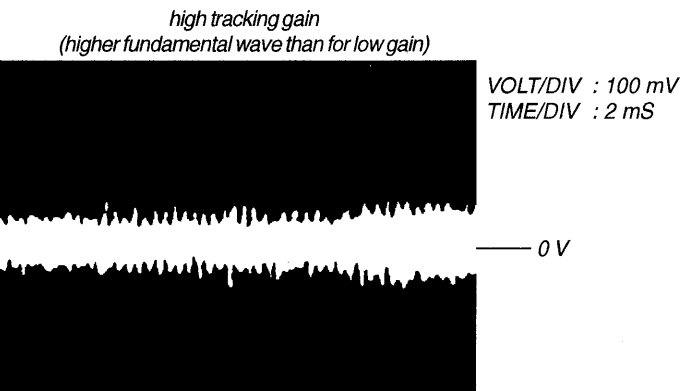
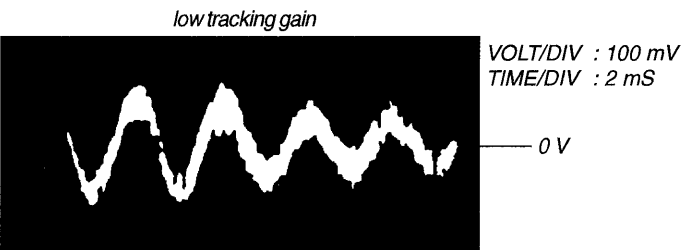


5. Connect the osilloscope between TP (TE) and TP (VC).
6. Adjust RV704 so that the waveform is as shown in the figure below. (tracking gain adjustment)

• Correct Example

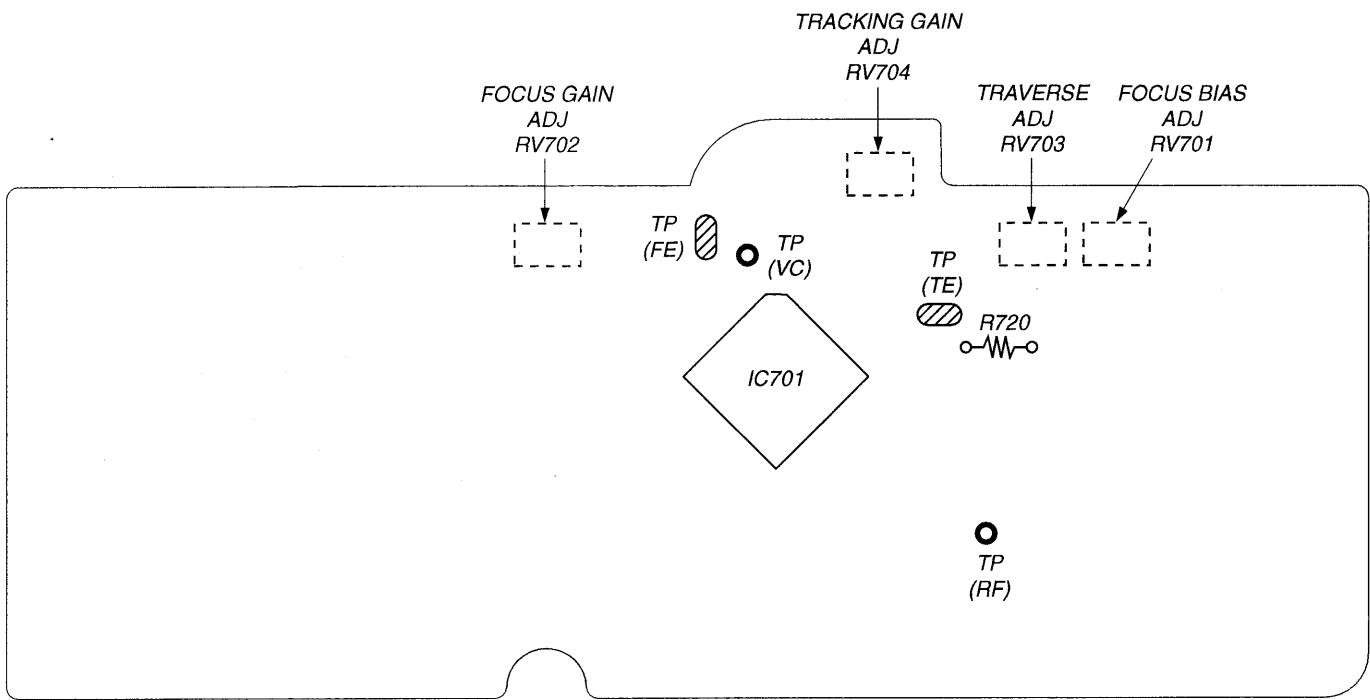


• Incorrect Examples (fundamental wave appears)



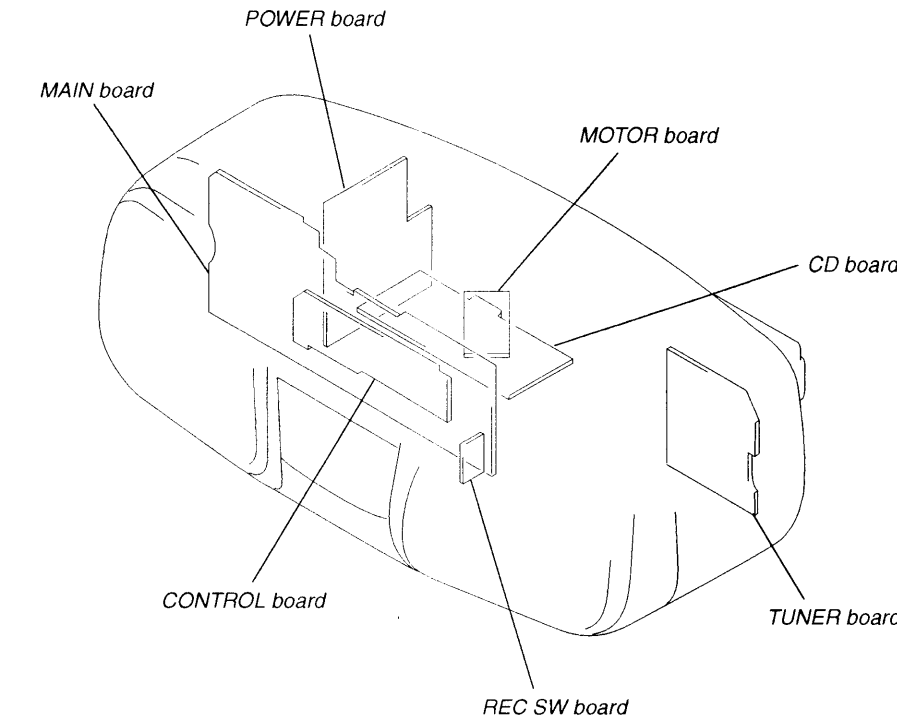
Adjustment Location : See page 20.

Adjustment Location : CD board (conductor side)



SECTION 5
DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION



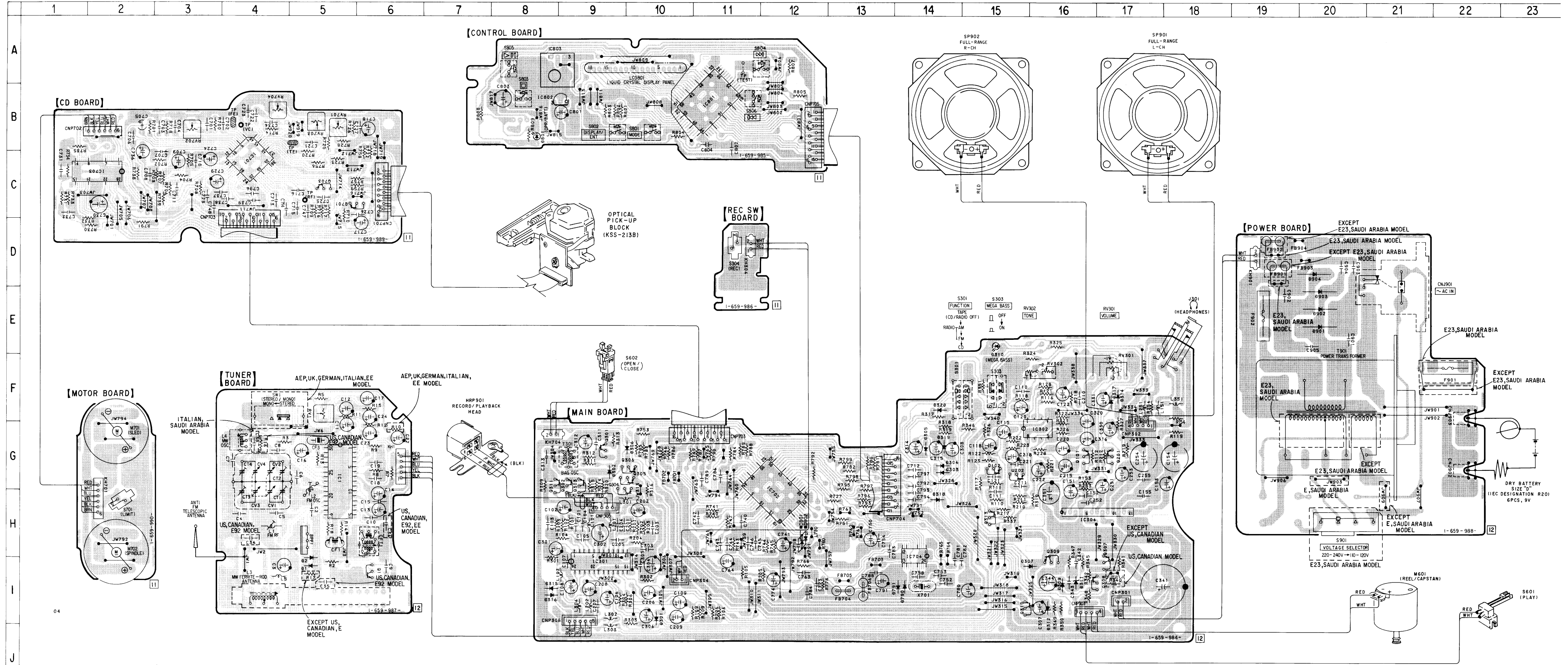
• Semiconductor
Location

Ref. No.	Location
D1	I-5
D2	I-5
D301	I-10
D302	G-9
D303	G-14
D304	G-14
D305	G-14
D306	G-10
D307	I-15
D309	I-16
D310	E-15
D311	I-16
D312	I-16
D314	F-17
D315	I-8
D316	I-8
D317	F-17
D318	H-14
D319	G-14
D320	F-14
D790	I-14
D791	I-14
D801	H-12
(D801)	B-8
D802	H-12
D901	E-20
D902	E-20
D903	E-20
D904	D-20
IC1	G-5
IC301	I-9
IC302	G-16
IC304	H-16
IC701	C-4
IC702	H-12
IC703	C-2
IC704	H-14
IC801	B-11
IC802	B-8
IC803	A-8
Q1	I-6
Q101	G-16
Q102	G-15
Q201	G-17
Q202	G-15
Q301	G-9
Q302	G-9
Q303	G-9
Q304	G-9
Q305	G-10
Q306	G-10
Q307	I-17
Q308	I-17
Q309	H-16
Q310	I-15
Q311	G-8
Q313	H-13
Q701	C-5
Q703	C-5

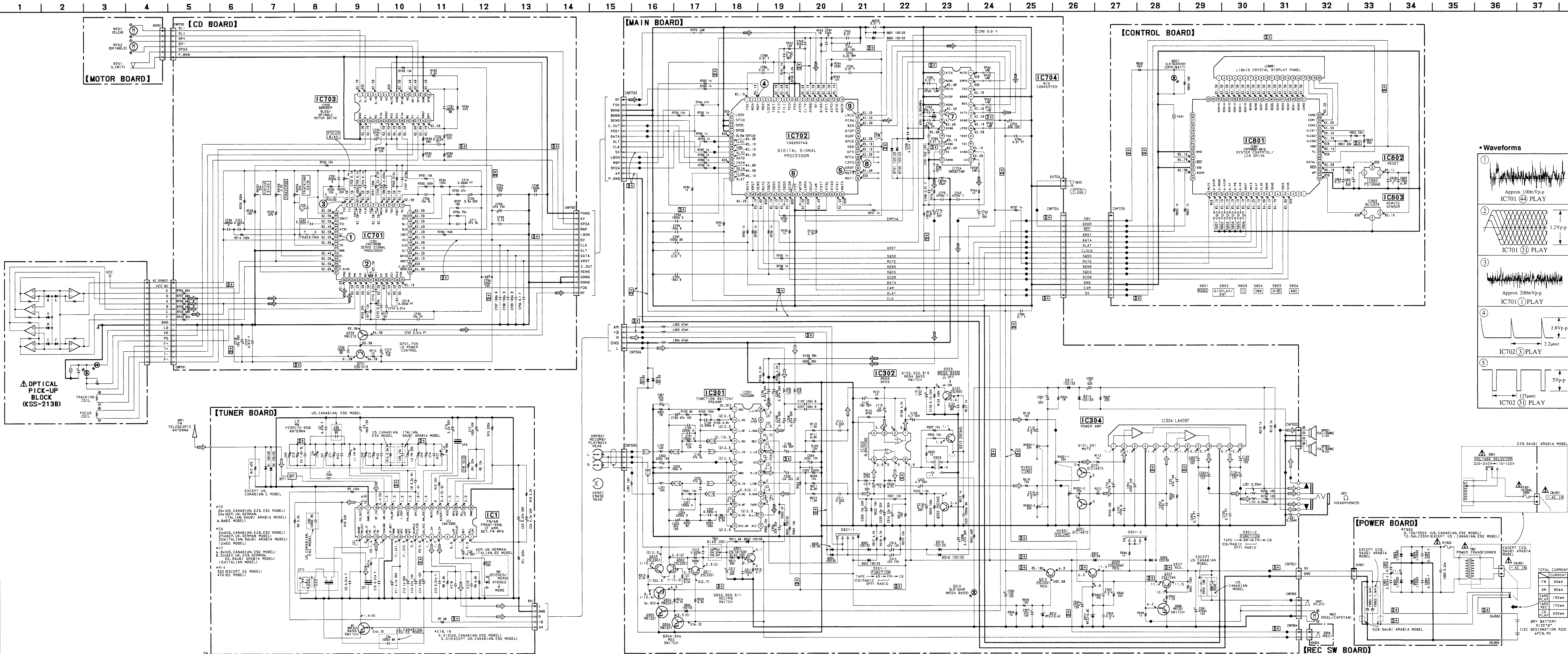
Note :
○ : parts extracted from the component side.
■ : parts mounted on the conductor side.
▨ : Pattern on the side which is seen.
• Abbreviation
E23 : AC 110 - 120V area model
E92 : AC 120V area model
EE : East European model

() : CONTROL
board

5-2. PRINTED WIRING BOARDS

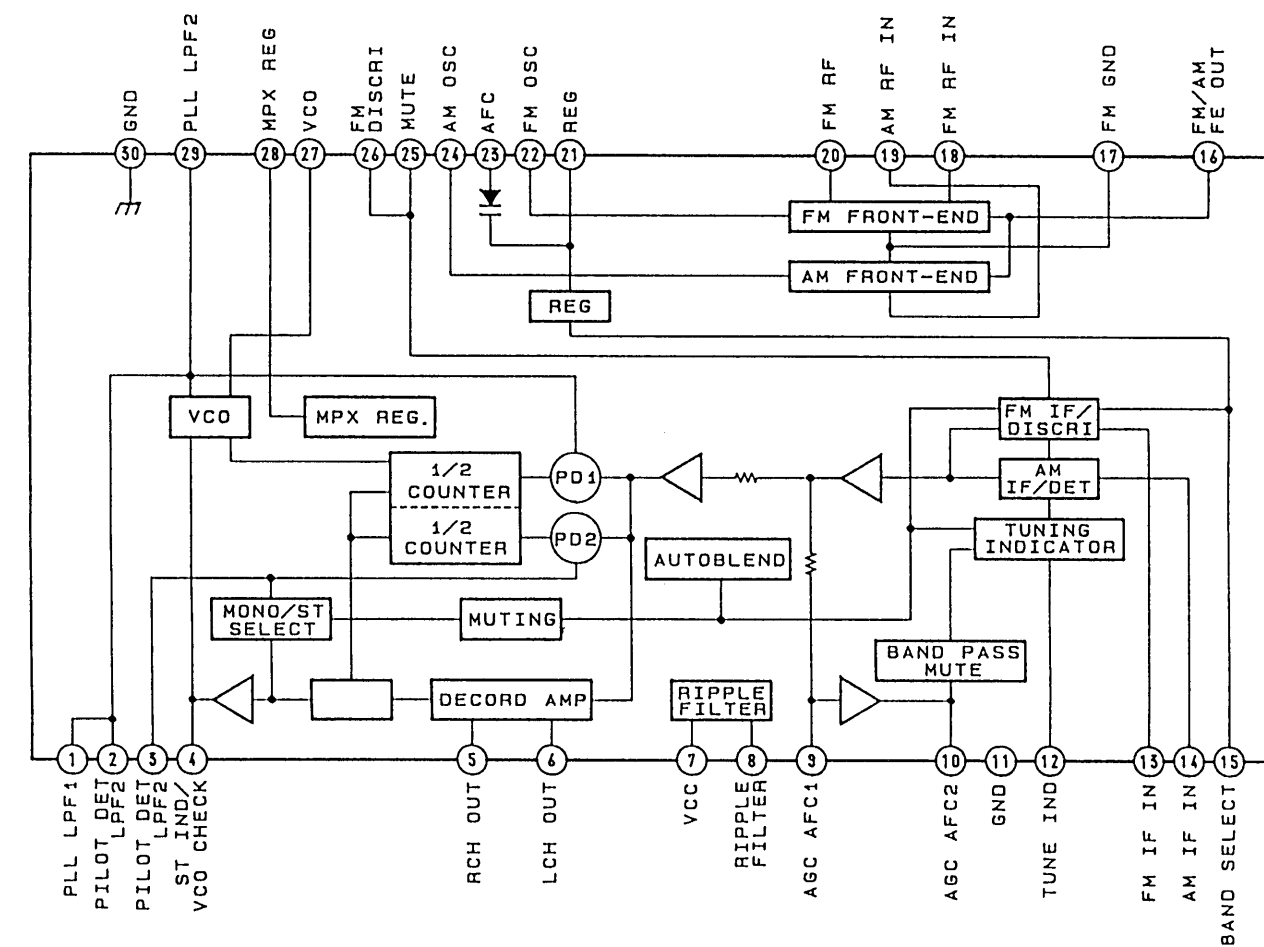


5-3. SCHEMATIC DIAGRAM • Refer to page 30 for IC Block Diagrams.

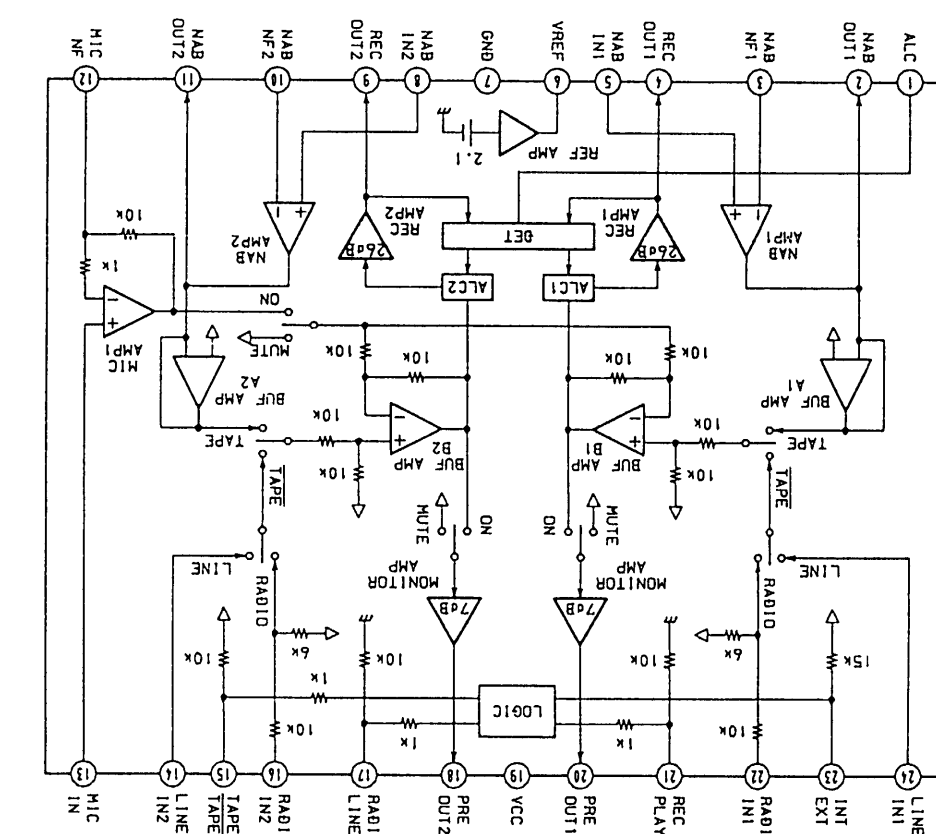


- IC Block Diagrams

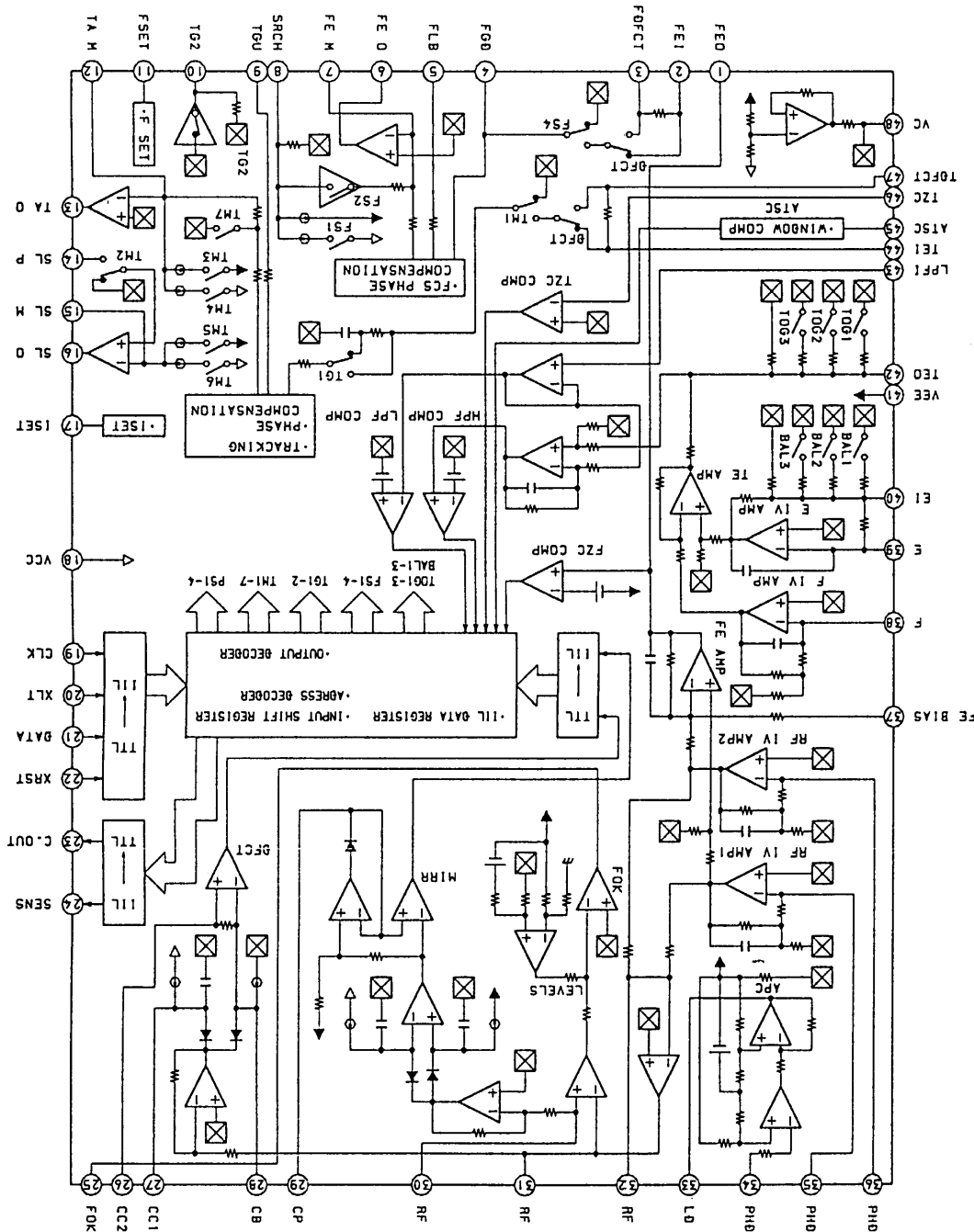
IC1 CXA1238S



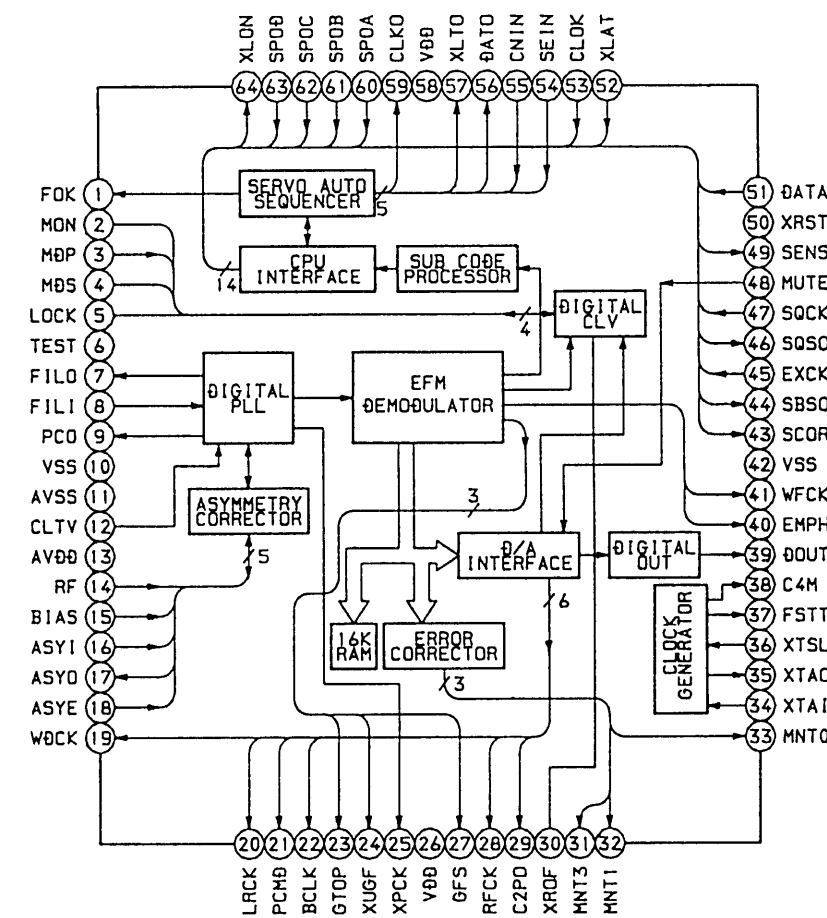
IC301 TA2068N



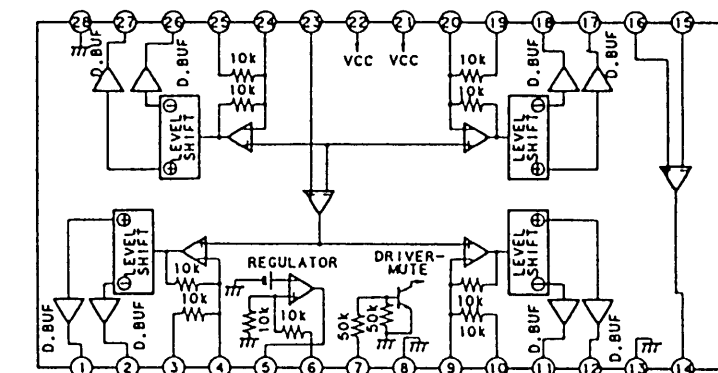
IC701 CXA1782BQ



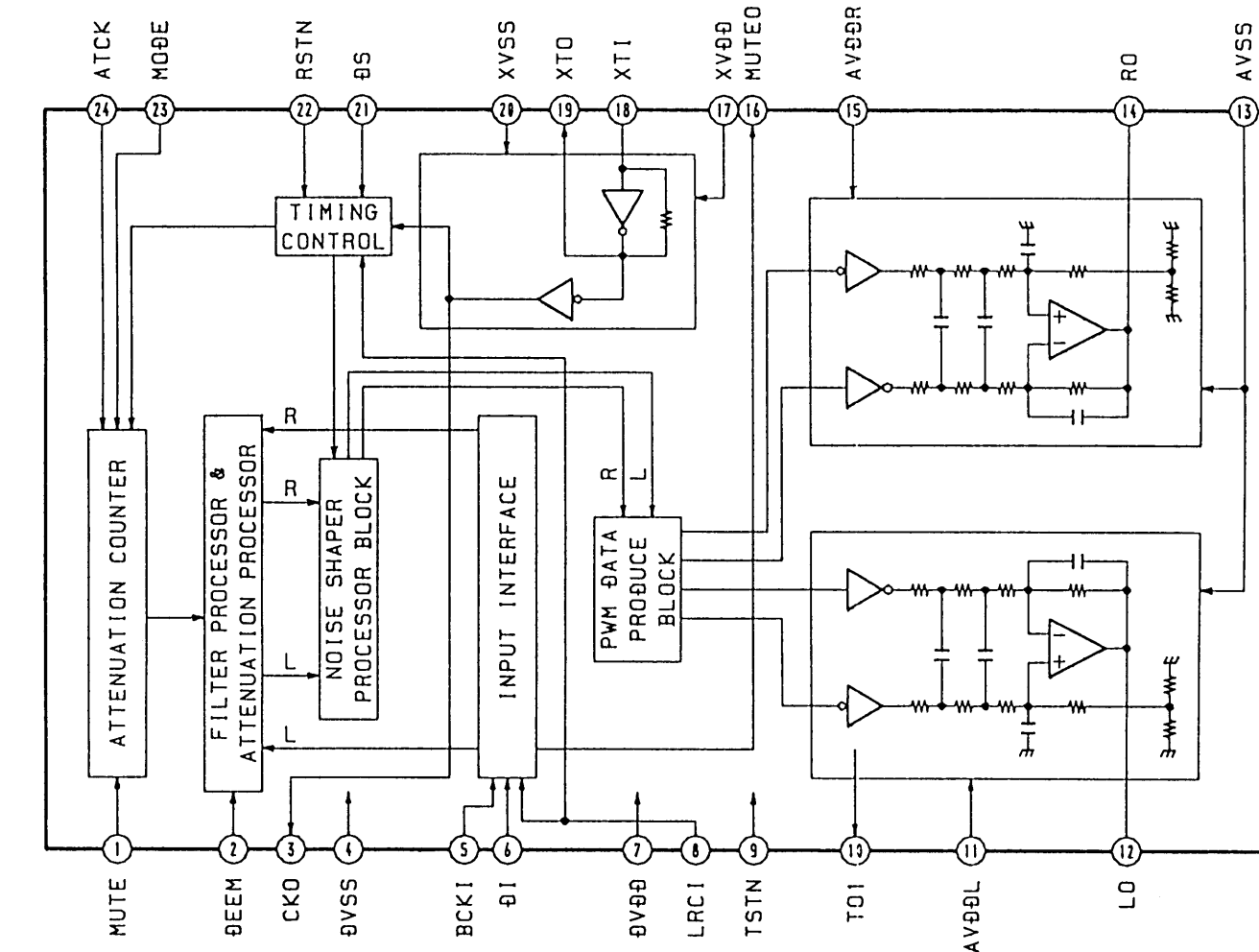
IC702 CXD2507AQ



IC703 BA5930FP



IC704 SM5877AM



SECTION 6 EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
 G : German model
 E92 : AC 120V area model
 E23 : AC 110-120V area model
 IT : Italian model
 EE : East European model
 EA : Saudi Arabia model

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

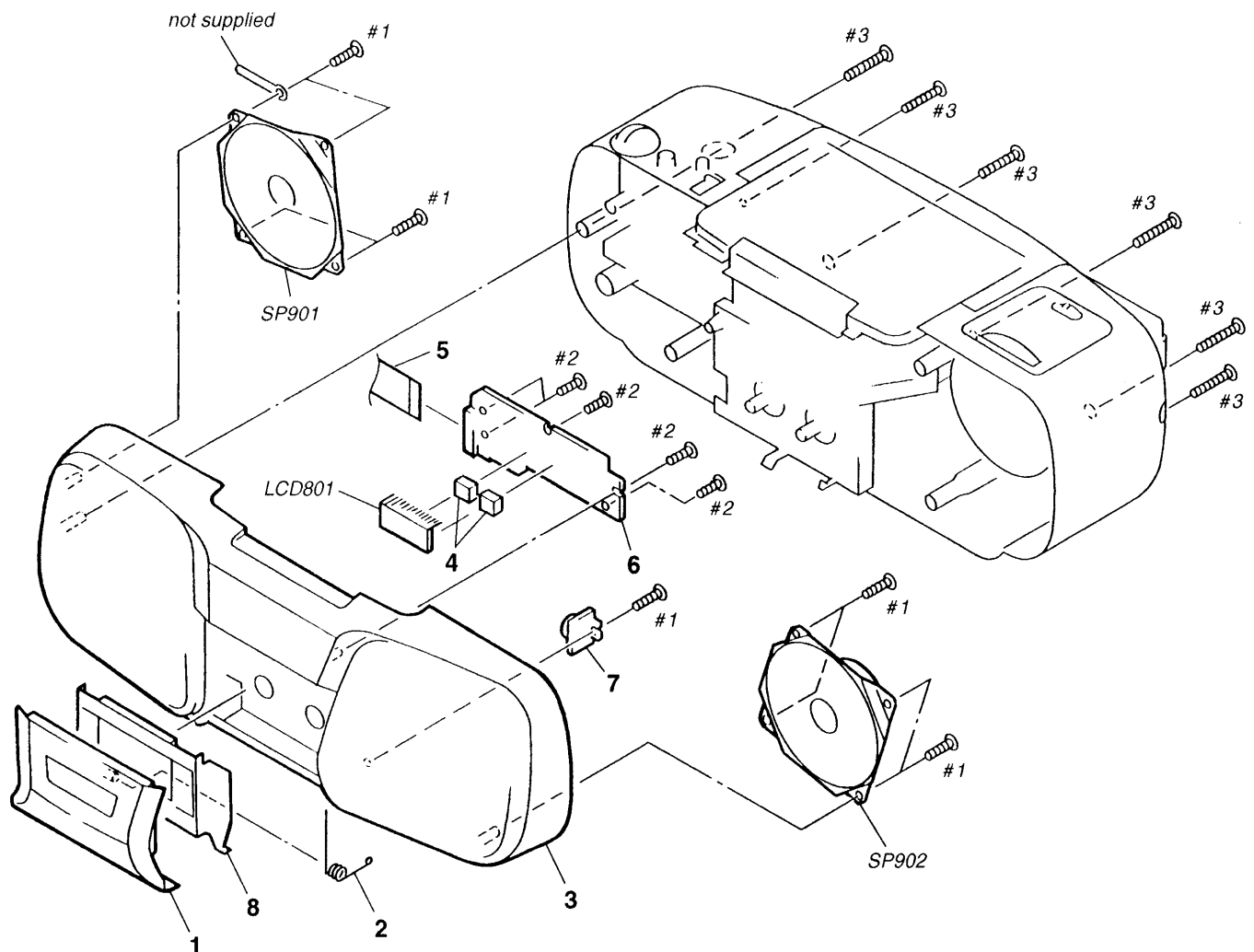
↑
↑

 Parts Color Cabinet's Color
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

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

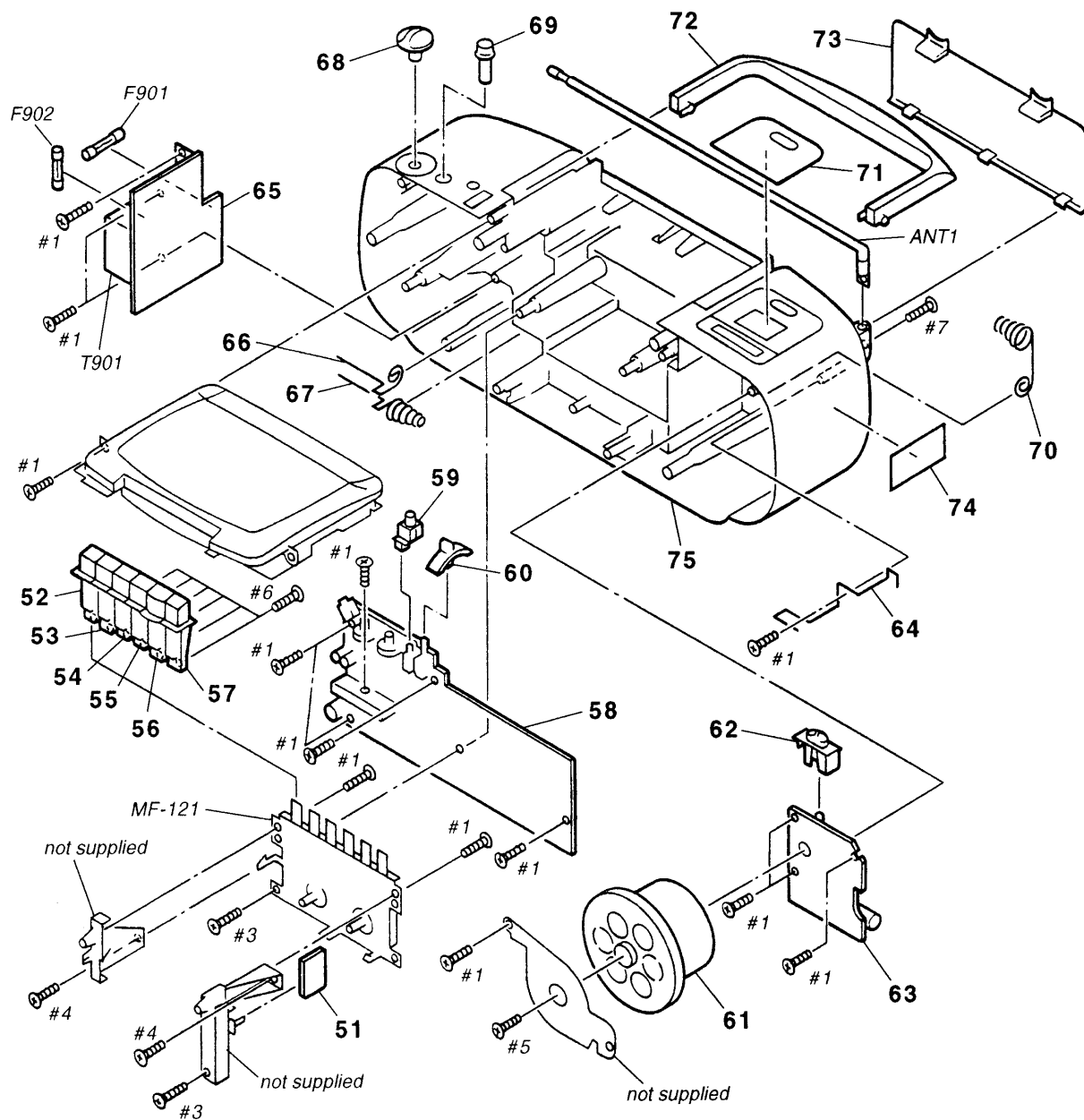
Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. FRONT CABINET SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-3371-621-1	CASSETTE ASSY, LID		7	3-351-377-41	DAMPER	
2	3-932-920-01	SPRING (CASSETTE)		8	3-932-922-11	HOLDER, CASSETTE	
3	X-3371-620-1	CABINET (FRONT) SUB ASSY		LCD801	1-801-118-31	DISPLAY PANEL, LIQUID CRYSTAL	
* 4	3-933-142-01	CUSHION (LCD)		SP901	1-504-727-11	SPEAKER (10CM) (L-CH)	
5	1-776-504-11	WIRE, PARALLEL (FFC) (16 CORE)		SP902	1-504-727-11	SPEAKER (10CM) (R-CH)	
* 6	1-659-985-11	CONTROL BOARD					

6-2. REAR CABINET SECTION

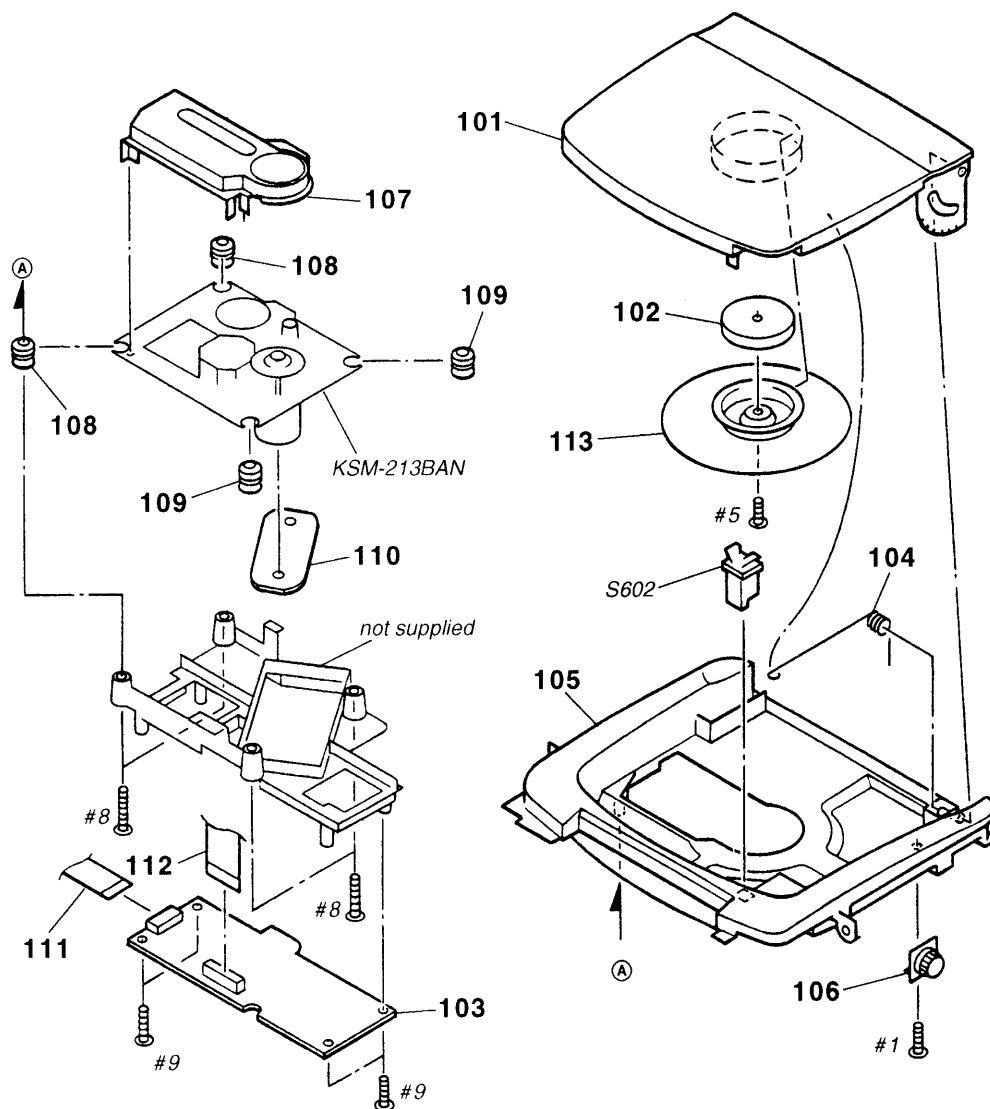


The components identified by mark Δ or dotted line with mark. Δ are critical for safety.
Replace only with part number specified.

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 51	1-659-986-11	REC SW BOARD		64	3-932-934-01	CONTACT (ANT)	
52	3-932-943-11	BUTTON (PAUSE), MD		* 65	1-659-988-11	POWER BOARD	
53	3-932-944-11	BUTTON (STOP/EJECT), MD		66	3-932-932-01	PLATE (+), BATTERY TERMINAL	
54	3-932-945-11	BUTTON (FF), MD		67	3-932-933-01	PLATE (-), BATTERY TERMINAL	
55	3-932-946-11	BUTTON (REW), MD		68	3-910-115-11	KNOB (VOL)	
56	3-932-947-11	BUTTON (PLAY), MD		69	3-910-097-11	KNOB (TONE)	
57	3-932-948-11	BUTTON (REC), MD		70	3-386-979-01	SPRING (+ -), BATTERY COIL	
* 58	A-3305-607-A	MAIN BOARD, COMPLETE (EXCEPT US,Canadian)		71	3-932-930-01	WINDOW (TU) (AEP,UK,EE,G,IT)	
* 58	A-3305-674-A	MAIN BOARD, COMPLETE (US,Canadian)		71	3-932-930-11	WINDOW (TU) (US,Canadian,E23,E92,EA)	
59	3-932-937-01	BUTTON (MEGA BASS)		72	3-932-950-11	HANDLE	
60	3-369-039-11	KNOB (FUNCTION)		73	3-915-535-31	LID, BATTERY CASE	
61	3-937-071-01	KNOB (TU) (AEP,UK,G)		* 74	4-941-548-01	LABEL, CLASS (1) (AEP,UK,EE,EA,G,IT)	
61	3-937-071-11	KNOB (TU) (US,Canadian,E92)		75	3-932-931-21	CABINET (REAR) (EXCEPT E23,EA)	
61	3-937-071-21	KNOB (TU) (E23)		75	3-932-931-31	CABINET (REAR) (E23,EA)	
61	3-937-071-31	KNOB (TU) (IT)		ANT1	1-501-388-11	ANTENNA, TELESCOPIC	
61	3-937-071-41	KNOB (TU) (EE)		Δ F901	1-532-235-00	FUSE (T315mA/250V) (E23,EA)	
61	3-937-071-61	KNOB (TU) (EA)		Δ F902	1-532-286-00	FUSE (T2.5A/250V) (AEP,UK,E23,EE,EA,G,IT)	
62	3-932-936-01	KNOB (MONO-ST) (AEP,UK,EE,G,IT)		Δ F902	1-576-107-11	FUSE, GLASS CYLINDRICAL (T3.15A/250V) (US,Canadian,E92)	
* 63	A-3305-602-A	TUNER BOARD, COMPLETE (AEP,UK,G)		Δ T901	1-426-631-11	TRANSFORMER, POWER (US,Canadian,E92)	
* 63	A-3305-671-A	TUNER BOARD, COMPLETE (E23)		Δ T901	1-426-632-11	TRANSFORMER, POWER (AEP,UK,EE,G,IT)	
* 63	A-3305-673-A	TUNER BOARD, COMPLETE (US,Canadian,E92)		Δ T901	1-426-633-11	TRANSFORMER, POWER (E23,EA)	
* 63	A-3305-677-A	TUNER BOARD, COMPLETE (IT)					
* 63	A-3305-678-A	TUNER BOARD, COMPLETE (EE)					
* 63	A-3306-014-A	TUNER BOARD, COMPLETE (EA)					

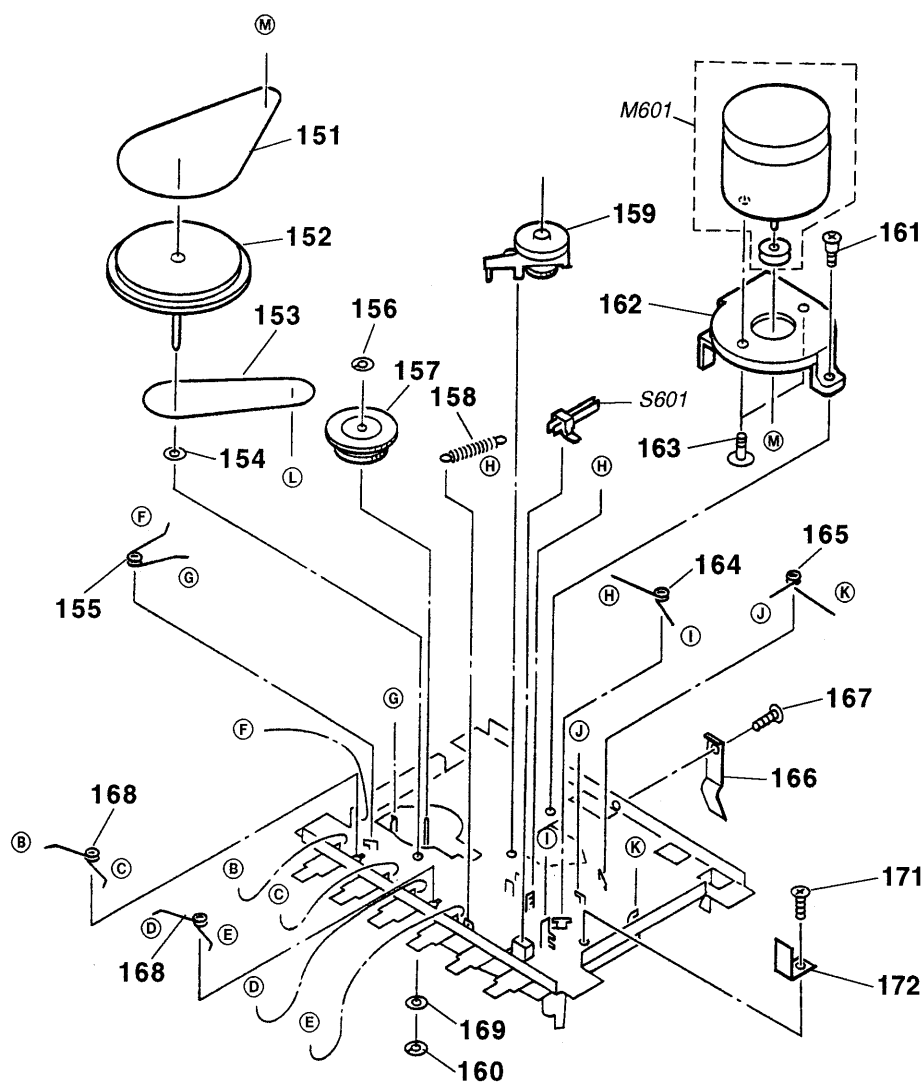
6-3. CD SECTION



Ref. No.	Part No.	Description	Remark
101	3-932-942-11	LID, CD	
102	1-452-732-11	MAGNET	
* 103	A-3305-604-A	CD BOARD, COMPLETE	
104	3-932-940-01	SPRING (CD)	
105	3-932-941-11	CABINET (CD)	
106	3-351-377-11	DAMPER	
107	3-910-116-01	COVER, CD	

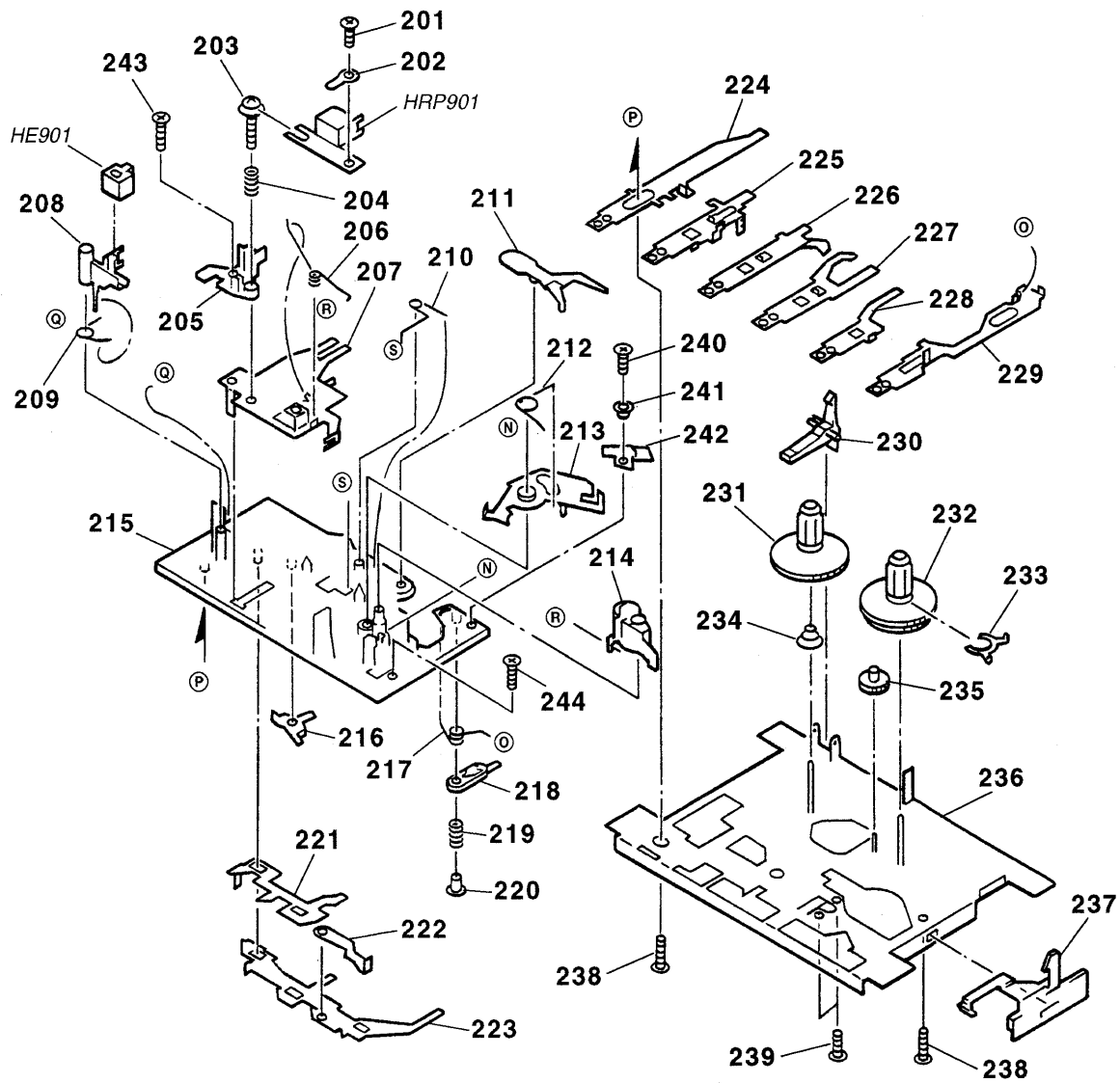
Ref. No.	Part No.	Description	Remark
108	3-910-095-01	RUBBER, VIBRATION PROOF	
109	3-910-095-11	RUBBER, VIBRATION PROOF	
* 110	1-659-990-11	MOTOR BOARD	
111	1-769-824-11	WIRE (FLAT TYPE) (16 CORE)	
112	1-776-503-11	WIRE, PARALLEL (FFC) (16 CORE)	
113	3-923-497-01	PLATE, CHUCK	
S602	1-692-960-11	SWITCH, PUSH (1 KEY) (OPEN/CLOSE)	

6-4. MECHANISM DECK SECTION-1
(MF-121)



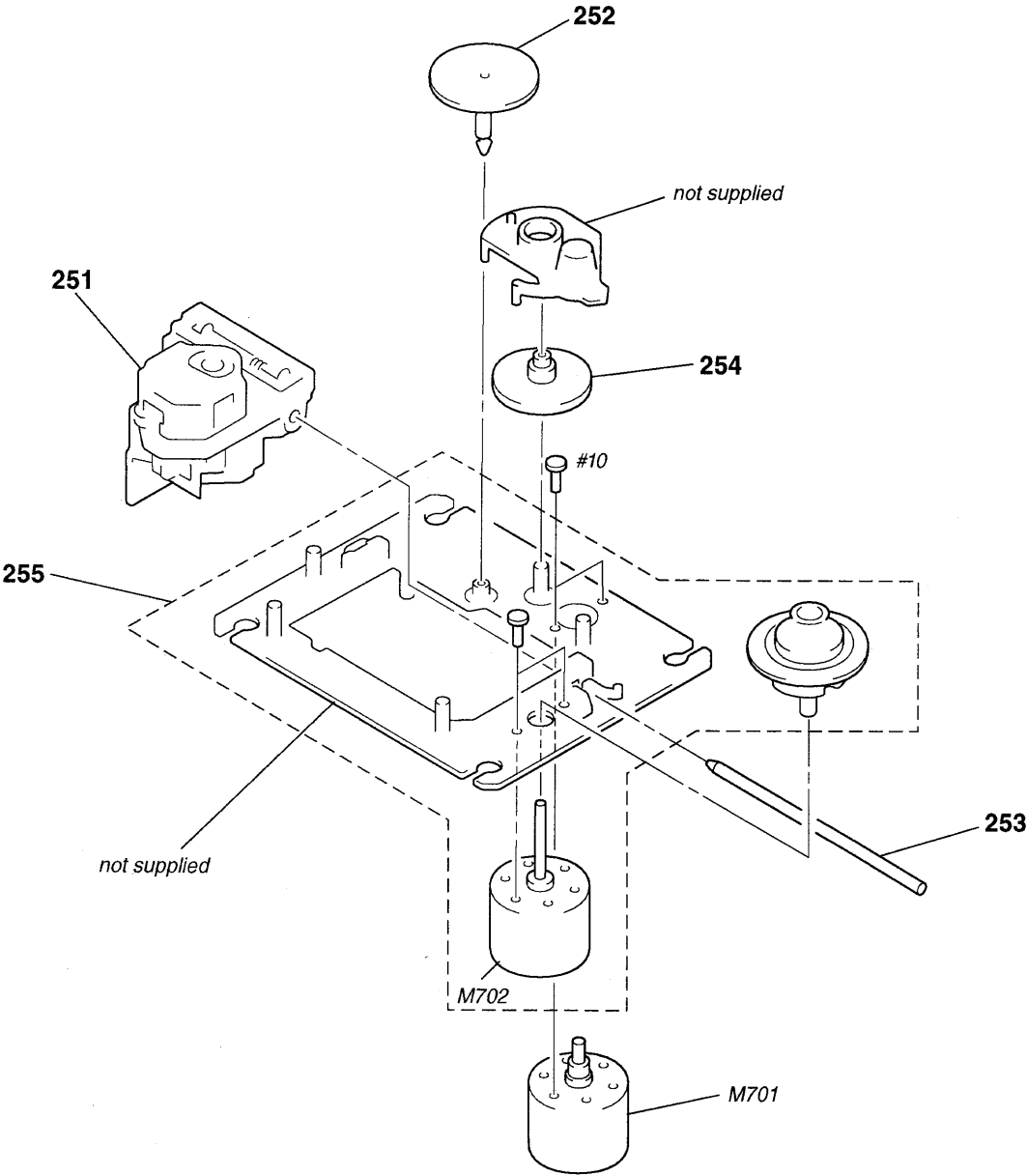
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	3-933-843-01	BELT, MAIN		163	3-933-841-01	SCREW, MOTOR COLLER	
152	3-933-834-01	FLYWHEEL ASSY		164	3-933-812-01	SPRING, P.S LEVER	
153	3-933-833-01	BELT, RF		165	3-933-815-01	SPRING, REC BUTTON LEVER	
154	3-933-858-01	WASHER, P		166	3-933-846-01	SPRING, PACK	
155	3-933-811-01	SPRING, E ACTUATOR		167	3-933-849-01	SCREW (2X3), DELTITE	
156	3-933-856-01	CUT, P WASHER		168	3-933-809-01	SPRING (A), BUTTON LEVER	
157	3-933-831-01	GEAR, CAM		169	3-933-859-01	WASHER, P	
* 158	3-933-817-01	SPRING (S), PLAY BUTTON LEVER		171	3-933-848-01	SCREW (M2X3), C TAPPING	
159	3-933-832-01	CLUTCH ASSY, RF		172	3-928-627-01	REC SPRING PLATE	
160	3-933-857-01	CUT, P WASHER		M601	1-698-864-11	MOTOR (WITH PULLEY)	
161	3-933-844-01	SCREW, MB		S601	1-762-658-11	SWITCH, LEAF (MSW-1541T) (PLAY)	
162	3-933-840-01	BRACKET, MOTOR					

6-5. MECHANISM DECK SECTION-2
(MF-121)



<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
201	3-933-852-01	SCREW (M2X3), + BIND		225	3-933-800-01	LEVER, PLAY BUTTON	
202	3-933-860-01	PLATE, LUG		226	3-933-801-01	LEVER, REW BUTTON	
203	3-933-854-01	SCREW (M2X7), AZIMUTH		227	3-933-802-01	LEVER, FF BUTTON	
204	3-933-822-01	SPRING, AZIMUTH		* 228	3-933-803-01	LEVER, STOP BUTTON	
205	3-933-819-01	BASE, HEAD		229	3-933-804-01	LEVER, PAUSE BUTTON	
206	3-933-820-01	SPRING, PANEL (P)		230	3-933-847-01	LEVER, RECORD SAFETY	
207	3-933-818-01	PANEL, HEAD		231	3-933-837-01	REEL ASSY, SUPPLY	
208	3-933-821-01	ARM, MG		232	3-933-838-01	REEL ASSY, TAKE UP	
209	3-933-816-01	SPRING, MG ARM		233	3-933-839-01	SENSOR	
210	3-933-823-01	SPRING, M CONTROL		234	3-933-836-01	SPRING, BACK TENSION	
211	3-933-828-01	LEVER, SENSING		235	3-933-835-01	GEAR, FF	
212	3-933-829-01	SPRING, GEAR PLATE		* 236	3-933-810-01	CHASSIS ASSY	
213	3-933-830-01	PLATE ASSY, GEAR		237	3-933-845-01	LEVER, EJECT SLIDE	
214	3-933-825-01	ARM ASSY, PINCH ROLLER		238	3-933-850-01	SCREW (M2X5), P TAPPING BIND	
215	3-933-796-01	BASE ASSY		239	3-933-851-01	SCREW (M2X4.5), TAPPING	
216	3-933-814-01	STOPPER, PR		240	3-933-824-01	SCREW (2X3), PS TAPPING	
217	3-933-805-01	SPRING, P CONTROL		241	3-933-827-01	COLLER, P ARM	
218	3-933-806-01	LEVER (E), PAUSE		* 242	3-933-826-01	ARM, P	
219	3-933-807-01	SPRING, PAUSE LEVER		243	3-933-853-01	SCREW (M2X6)	
220	3-933-808-01	STOPPER, PAUSE		244	3-933-855-01	SCREW (M2X8), S TAPPING	
221	3-933-797-01	ACTUATOR, SWITCH		HE901	1-500-334-11	HEAD, E (TC-238) (ERASE)	
* 222	3-933-813-01	LEVER, E KICK		HRP901	1-500-333-11	HEAD, R-P (MS15R-AA2N1)	(RECORD/PLAYBACK)
223	3-933-798-01	ACTUATOR, PUSH BUTTON					
* 224	3-933-799-01	LEVER, REC BUTTON					

6-6. OPTICAL PICK-UP BLOCK
(KSM-213BAN)



The components identified by mark $\triangle$ or dotted line with mark. $\triangle$ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
--	--

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
$\triangle$ 251	8-848-376-01	PICK-UP, OPTICAL KSS-213B/S-N		254	2-627-003-01	GEAR (B) (RP)	
252	2-626-907-01	GEAR (A) (S)		255	X-2625-770-1	CHASSIS (MB), (RP) (WITH M702 SPINDLE)	
253	2-626-908-01	SHAFT, SLED		M701	X-2625-769-1	MOTOR GEAR ASSY (SLED)	

CD

CONTROL

MAIN

Ref. No.	Part No.	Description	Remark
----------	----------	-------------	--------

R714	1-247-883-00	CARBON	150K 5% 1/4W
R716	1-249-430-11	CARBON	12K 5% 1/4W
R717	1-249-429-11	CARBON	10K 5% 1/4W
R718	1-247-899-11	CARBON	680K 5% 1/4W
R720	1-247-891-00	CARBON	330K 5% 1/4W

R722	1-249-439-11	CARBON	68K 5% 1/4W
R723	1-249-440-11	CARBON	82K 5% 1/4W
R725	1-249-437-11	CARBON	47K 5% 1/4W
R726	1-249-429-11	CARBON	10K 5% 1/4W
R728	1-249-429-11	CARBON	10K 5% 1/4W

R730	1-249-435-11	CARBON	33K 5% 1/4W
R731	1-247-863-00	CARBON	22K 5% 1/4W
R732	1-249-429-11	CARBON	10K 5% 1/4W
R733	1-249-435-11	CARBON	33K 5% 1/4W
R734	1-249-437-11	CARBON	47K 5% 1/4W

R735	1-249-421-11	CARBON	2.2K 5% 1/4W
R738	1-249-429-11	CARBON	10K 5% 1/4W
R739	1-249-429-11	CARBON	10K 5% 1/4W
R756	1-249-440-11	CARBON	82K 5% 1/4W
R757	1-249-439-11	CARBON	68K 5% 1/4W

R758	1-249-439-11	CARBON	68K 5% 1/4W
R759	1-249-439-11	CARBON	68K 5% 1/4W
R791	1-249-431-11	CARBON	15K 5% 1/4W

< VARIABLE RESISTOR >

RV701	1-230-497-11	RES, ADJ, CARBON 22K
RV702	1-230-497-11	RES, ADJ, CARBON 22K
RV703	1-241-783-11	RES, ADJ, CERMET 2.2K
RV704	1-230-497-11	RES, ADJ, CARBON 22K

*	1-659-985-11	CONTROL BOARD
---	--------------	---------------

*	3-933-142-01	CUSHION (LCD)
---	--------------	---------------

< CAPACITOR >

C801	1-124-257-00	ELECT	2.2uF	20%	50V
C802	1-162-306-11	CERAMIC	0.01uF	30%	16V
C803	1-126-177-11	ELECT	100uF	20%	10V
C804	1-162-306-11	CERAMIC	0.01uF	30%	16V

< CONNECTOR >

CNP801	1-695-377-31	PIN, CONNECTOR (PC BOARD) 16P
--------	--------------	-------------------------------

< DIODE >

D801	8-719-058-48	LED SLR-342VRTH7 (OPR/BATT)
------	--------------	-----------------------------

Ref. No.	Part No.	Description	Remark
----------	----------	-------------	--------

< IC >

IC801	8-752-872-46	IC CXP5086H-681Q
IC802	8-759-256-72	IC PST994D
IC803	8-749-011-22	IC GP1U27X

< LIQUID CRYSTAL DISPLAY >

LCD801	1-801-118-31	DISPLAY PANEL, LIQUID CRYSTAL
--------	--------------	-------------------------------

< RESISTOR >

R801	1-249-435-11	CARBON	33K 5% 1/4W
R802	1-249-435-11	CARBON	33K 5% 1/4W
R803	1-249-435-11	CARBON	33K 5% 1/4W
R804	1-249-417-11	CARBON	1K 5% 1/4W
R805	1-249-417-11	CARBON	1K 5% 1/4W

R807	1-249-417-11	CARBON	1K 5% 1/4W
R808	1-249-414-11	CARBON	560 5% 1/4W
R809	1-249-408-11	CARBON	180 5% 1/4W

< SWITCH >

S801	1-571-760-11	SWITCH, KEY BOARD (MODE)
S802	1-571-760-11	SWITCH, KEY BOARD (DISPLAY/ENT)
S803	1-571-760-11	SWITCH, KEY BOARD (□)
S804	1-571-760-11	SWITCH, KEY BOARD (▷▷I)
S805	1-571-760-11	SWITCH, KEY BOARD (▷I)

S806	1-571-760-11	SWITCH, KEY BOARD (I<<I)
------	--------------	--------------------------

*	A-3305-607-A	MAIN BOARD, COMPLETE (EXCEPT US,Canadian)
*	A-3305-674-A	MAIN BOARD, COMPLETE (US,Canadian)

7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S
--------------	----------------------------

< CAPACITOR >

C101	1-162-301-11	CERAMIC	0.0015uF	20%	16V
C102	1-104-664-11	ELECT	47uF	20%	10V
C103	1-161-020-11	CERAMIC	0.039uF	10%	16V
C104	1-162-302-11	CERAMIC	0.0022uF	20%	16V
C105	1-162-215-31	CERAMIC	47PF	5%	50V

C106	1-124-902-00	ELECT	0.47uF	20%	50V
C107	1-162-282-31	CERAMIC	100PF	10%	50V
C108	1-124-902-00	ELECT	0.47uF	20%	50V
C109	1-124-907-11	ELECT	10uF	20%	50V
C110	1-162-842-11	CERAMIC	0.018uF	10%	16V

C111	1-162-843-11	CERAMIC	0.022uF	10%	16V
C115	1-124-903-11	ELECT	1uF	20%	50V
C118	1-124-250-11	ELECT	0.15uF	20%	50V
C120	1-126-963-11	ELECT	4.7uF	20%	50V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C121	1-162-294-31	CERAMIC	0.001uF	10%	50V	C351	1-124-120-11	ELECT	220uF	20%	25V
C122	1-124-907-11	ELECT	10uF	20%	50V	C712	1-162-306-11	CERAMIC	0.01uF	30%	16V
C151	1-104-664-11	ELECT	47uF	20%	10V	C740	1-162-306-11	CERAMIC	0.01uF	30%	16V
C152	1-162-290-31	CERAMIC	470PF	10%	50V	C741	1-124-443-00	ELECT	100uF	20%	10V
C153	1-124-443-00	ELECT	100uF	20%	10V	C742	1-136-173-00	FILM	0.47uF	5%	50V
C154	1-124-473-11	ELECT	1000uF	20%	10V	C743	1-162-290-31	CERAMIC	470PF	10%	50V
C155	1-130-495-00	MYLAR	0.1uF	5%	50V	C744	1-162-286-21	CERAMIC	220PF	10%	50V
C201	1-162-301-11	CERAMIC	0.0015uF	20%	16V	C745	1-136-169-00	FILM	0.22uF	5%	50V
C202	1-104-664-11	ELECT	47uF	20%	10V	C746	1-162-306-11	CERAMIC	0.01uF	30%	16V
C203	1-161-020-11	CERAMIC	0.039uF	10%	16V	C750	1-126-923-11	ELECT	220uF	20%	10V
C204	1-162-302-11	CERAMIC	0.0022uF	20%	16V	C752	1-164-033-11	CERAMIC	39PF	5%	50V
C205	1-162-215-31	CERAMIC	47PF	5%	50V	C753	1-164-033-11	CERAMIC	39PF	5%	50V
C206	1-124-902-00	ELECT	0.47uF	20%	50V	C754	1-162-306-11	CERAMIC	0.01uF	30%	16V
C207	1-162-282-31	CERAMIC	100PF	10%	50V	C758	1-162-306-11	CERAMIC	0.01uF	30%	16V
C208	1-124-902-00	ELECT	0.47uF	20%	50V	C763	1-162-600-11	CERAMIC	0.0047uF	30%	16V
C209	1-124-907-11	ELECT	10uF	20%	50V	C764	1-126-163-11	ELECT	4.7uF	20%	50V
C210	1-162-842-11	CERAMIC	0.018uF	10%	16V	C773	1-162-600-11	CERAMIC	0.0047uF	30%	16V
C211	1-162-843-11	CERAMIC	0.022uF	10%	16V	C774	1-126-163-11	ELECT	4.7uF	20%	50V
C215	1-124-903-11	ELECT	1uF	20%	50V	C780	1-124-443-00	ELECT	100uF	20%	10V
C218	1-124-250-11	ELECT	0.15uF	20%	50V	C781	1-162-306-11	CERAMIC	0.01uF	30%	16V
C220	1-126-963-11	ELECT	4.7uF	20%	50V	C782	1-162-306-11	CERAMIC	0.01uF	30%	16V
C221	1-162-294-31	CERAMIC	0.001uF	10%	50V	C783	1-162-306-11	CERAMIC	0.01uF	30%	16V
C222	1-124-907-11	ELECT	10uF	20%	50V	C784	1-136-165-00	FILM	0.1uF	5%	50V
C251	1-104-664-11	ELECT	47uF	20%	10V	C786	1-162-306-11	CERAMIC	0.01uF	30%	16V
C252	1-162-290-31	CERAMIC	470PF	10%	50V	C788	1-162-306-11	CERAMIC	0.01uF	30%	16V
C253	1-124-443-00	ELECT	100uF	20%	10V	C789	1-162-306-11	CERAMIC	0.01uF	30%	16V
C254	1-124-473-11	ELECT	1000uF	20%	10V	C791	1-126-923-11	ELECT	220uF	20%	10V
C255	1-130-495-00	MYLAR	0.1uF	5%	50V	C792	1-162-294-31	CERAMIC	0.001uF	10%	50V
C301	1-104-664-11	ELECT	47uF	20%	10V	C793	1-162-282-31	CERAMIC	100PF	10%	50V
C302	1-126-923-11	ELECT	220uF	20%	10V	C794	1-162-282-31	CERAMIC	100PF	10%	50V
C303	1-162-282-31	CERAMIC	100PF	10%	50V	C797	1-162-294-31	CERAMIC	0.001uF	10%	50V
C304	1-126-923-11	ELECT	220uF	20%	10V	JW758	1-162-839-11	CERAMIC	0.01uF	10%	16V
C305	1-162-302-11	CERAMIC	0.0022uF	20%	16V	< CONNECTOR >					
C306	1-126-233-11	ELECT	22uF	20%	50V						
C307	1-104-664-11	ELECT	47uF	20%	10V						
C308	1-124-902-00	ELECT	0.47uF	20%	50V	* CNP301	1-580-154-11	PIN, CONNECTOR (PC BOARD) 2P			
C311	1-162-301-11	CERAMIC	0.0015uF	20%	16V	CNP302	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
C312	1-124-907-11	ELECT	10uF	20%	50V	CNP303	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
C313	1-130-480-00	MYLAR	0.0056uF	5%	50V	* CNP304	1-580-154-11	PIN, CONNECTOR (PC BOARD) 2P			
C314	1-104-664-11	ELECT	47uF	20%	10V	CNP305	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
C315	1-104-664-11	ELECT	47uF	20%	10V	CNP306	1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P			
C316	1-124-907-11	ELECT	10uF	20%	50V	* CNP703	1-695-339-41	PIN, CONNECTOR (PC BOARD) 16P			
C320	1-124-907-11	ELECT	10uF	20%	50V	* CNP704	1-695-339-41	PIN, CONNECTOR (PC BOARD) 16P			
C330	1-124-907-11	ELECT	10uF	20%	50V	< DIODE >					
C331	1-124-903-11	ELECT	1uF	20%	50V						
C341	1-126-937-11	ELECT	4700uF	20%	16V	D301	8-719-991-33	DIODE 1SS133T-77			
C342	1-162-306-11	CERAMIC	0.01uF	30%	16V	D302	8-719-991-33	DIODE 1SS133T-77			
C343	1-162-306-11	CERAMIC	0.01uF	30%	16V	D303	8-719-991-33	DIODE 1SS133T-77			
C344	1-124-472-11	ELECT	470uF	20%	10V	D304	8-719-991-33	DIODE 1SS133T-77			
						D305	8-719-991-33	DIODE 1SS133T-77			

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D306	8-719-991-33	DIODE 1SS133T-77		< TRANSISTOR >			
D307	8-719-991-33	DIODE 1SS133T-77		Q101	8-729-206-28	TRANSISTOR RN1210	
D309	8-719-991-33	DIODE 1SS133T-77		Q102	8-729-194-57	TRANSISTOR 2SC945-P	
D310	8-719-059-42	LED SLR-342DUTB7 (MEGA BASS)		Q201	8-729-206-28	TRANSISTOR RN1210	
D311	8-719-109-97	DIODE RD6.8ES-B2		Q202	8-729-194-57	TRANSISTOR 2SC945-P	
D312	8-719-109-89	DIODE RD5.6ESB2		Q301	8-729-281-53	TRANSISTOR 2SC1815-GR	
D314	8-719-991-33	DIODE 1SS133T-77		Q302	8-729-011-92	TRANSISTOR 2SC2001TP-K1K2	
D315	8-719-991-33	DIODE 1SS133T-77		Q303	8-729-011-92	TRANSISTOR 2SC2001TP-K1K2	
D316	8-719-991-33	DIODE 1SS133T-77		Q304	8-729-206-72	TRANSISTOR RN2201TPE4	
D317	8-719-991-33	DIODE 1SS133T-77		Q305	8-729-206-28	TRANSISTOR RN1201	
D318	8-719-991-33	DIODE 1SS133T-77		Q306	8-729-206-28	TRANSISTOR RN1201	
D319	8-719-991-33	DIODE 1SS133T-77		Q307	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D320	8-719-991-33	DIODE 1SS133T-77		Q308	8-729-206-28	TRANSISTOR RN1201	
D790	8-719-991-33	DIODE 1SS133T-77		Q309	8-729-021-82	TRANSISTOR 2SD2396K	
D791	8-719-991-33	DIODE 1SS133T-77		Q310	8-729-011-92	TRANSISTOR 2SC2001TP-K1K2	
D801	8-719-991-33	DIODE 1SS133T-77		Q311	8-729-011-92	TRANSISTOR 2SC2001TP-K1K2	
D802	8-719-991-33	DIODE 1SS133T-77		Q313	8-729-194-57	TRANSISTOR 2SC945-P	
< COIL >				< RESISTOR >			
FB704	1-410-515-11	INDUCTOR 33uH		R101	1-249-431-11	CARBON 15K 5% 1/4W	
FB706	1-410-509-11	INDUCTOR 10uH		R102	1-249-404-00	CARBON 82 5% 1/4W	
< IC >				R103	1-249-441-11	CARBON 100K 5% 1/4W	
IC301	8-759-264-71	IC TA2068N		R104	1-249-423-11	CARBON 3.3K 5% 1/4W	
IC302	8-759-634-51	IC M5218AP		R105	1-249-436-11	CARBON 39K 5% 1/4W	
IC304	8-759-820-22	IC LA4597		R106	1-249-421-11	CARBON 2.2K 5% 1/4W	
IC702	8-752-372-94	IC CXD2507AQ		R109	1-249-429-11	CARBON 10K 5% 1/4W	
IC704	8-759-364-34	IC SM5877AM-E2		R110	1-249-419-11	CARBON 1.5K 5% 1/4W	
< JACK >				R111	1-249-427-11	CARBON 6.8K 5% 1/4W	
J301	1-566-891-11	JACK (○)		R112	1-249-417-11	CARBON 1K 5% 1/4W	
< CABLE HOLDER >				R116	1-247-895-00	CARBON 470K 5% 1/4W	
* KH704	1-573-287-11	HOLDER, CABLE 2P		R117	1-249-417-11	CARBON 1K 5% 1/4W	
< COIL >				R118	1-249-429-11	CARBON 10K 5% 1/4W	
L101	1-414-142-11	INDUCTOR 1uH		R119	1-249-417-11	CARBON 1K 5% 1/4W	
L102	1-410-509-11	INDUCTOR 10uH		R121	1-249-417-11	CARBON 1K 5% 1/4W	
L151	1-414-138-11	INDUCTOR 0.33uH		R122	1-249-419-11	CARBON 1.5K 5% 1/4W	
L201	1-414-142-11	INDUCTOR 1uH		R123	1-249-441-11	CARBON 100K 5% 1/4W	
L202	1-410-509-11	INDUCTOR 10uH		R128	1-249-425-11	CARBON 4.7K 5% 1/4W	
L251	1-414-138-11	INDUCTOR 0.33uH		R153	1-247-807-11	CARBON 100 5% 1/4W	
L301	1-414-142-11	INDUCTOR 1uH		R154	1-247-807-11	CARBON 100 5% 1/4W	
L302	1-410-517-11	INDUCTOR 47uH		R201	1-249-431-11	CARBON 15K 5% 1/4W	
L303	1-410-517-11	INDUCTOR 47uH		R202	1-249-404-00	CARBON 82 5% 1/4W	
L304	1-410-517-11	INDUCTOR 47uH		R203	1-249-441-11	CARBON 100K 5% 1/4W	
L351	1-414-138-11	INDUCTOR 0.33uH		R204	1-249-423-11	CARBON 3.3K 5% 1/4W	
				R205	1-249-436-11	CARBON 39K 5% 1/4W	
				R206	1-249-421-11	CARBON 2.2K 5% 1/4W	
				R209	1-249-429-11	CARBON 10K 5% 1/4W	
				R210	1-249-419-11	CARBON 1.5K 5% 1/4W	
				R211	1-249-427-11	CARBON 6.8K 5% 1/4W	

Ref. No.	Part No.	Description	Remark		
R212	1-249-417-11	CARBON	1K	5%	1/4W
R217	1-249-417-11	CARBON	1K	5%	1/4W
R218	1-249-429-11	CARBON	10K	5%	1/4W
R219	1-249-417-11	CARBON	1K	5%	1/4W
R221	1-249-417-11	CARBON	1K	5%	1/4W
R222	1-249-419-11	CARBON	1.5K	5%	1/4W
R223	1-249-441-11	CARBON	100K	5%	1/4W
R226	1-247-895-00	CARBON	470K	5%	1/4W
R228	1-249-425-11	CARBON	4.7K	5%	1/4W
R253	1-247-807-11	CARBON	100	5%	1/4W
R254	1-247-807-11	CARBON	100	5%	1/4W
R301	1-247-903-00	CARBON	1M	5%	1/4W
R302	1-249-402-11	CARBON	56	5%	1/4W
R303	1-249-401-11	CARBON	47	5%	1/4W
R304	1-249-429-11	CARBON	10K	5%	1/4W
R306	1-249-429-11	CARBON	10K	5%	1/4W
R309	1-249-417-11	CARBON	1K	5%	1/4W
R310	1-247-807-11	CARBON	100	5%	1/4W
R311	1-249-403-11	CARBON	68	5%	1/4W
R312	1-249-435-11	CARBON	33K	5%	1/4W
R313	1-249-389-11	CARBON	4.7	5%	1/4W
R314	1-249-423-11	CARBON	3.3K	5%	1/4W
R315	1-249-423-11	CARBON	3.3K	5%	1/4W
R316	1-249-425-11	CARBON	4.7K	5%	1/4W
R317	1-249-425-11	CARBON	4.7K	5%	1/4W
R318	1-249-425-11	CARBON	4.7K	5%	1/4W
R319	1-249-429-11	CARBON	10K	5%	1/4W
R320	1-249-423-11	CARBON	3.3K	5%	1/4W
R321	1-249-429-11	CARBON	10K	5%	1/4W
R322	1-249-429-11	CARBON	10K	5%	1/4W
R324	1-247-903-00	CARBON	1M	5%	1/4W
R325	1-249-417-11	CARBON	1K	5%	1/4W
R326	1-249-429-11	CARBON	10K	5%	1/4W
R327	1-247-815-00	CARBON	220	5%	1/4W
R337	1-249-429-11	CARBON	10K	5%	1/4W
R340	1-249-381-11	CARBON	1	5%	1/4W
R341	1-249-441-11	CARBON	100K	5%	1/4W
R342	1-249-419-11	CARBON	1.5K	5%	1/4W
R345	1-247-815-00	CARBON	220	5%	1/4W
R346	1-249-417-11	CARBON	1K	5%	1/4W
R347	1-247-807-11	CARBON	100	5%	1/4W
R348	1-249-417-11	CARBON	1K	5%	1/4W
R349	1-247-807-11	CARBON	100	5%	1/4W
R350	1-249-417-11	CARBON	1K	5%	1/4W
R351	1-249-415-11	CARBON	680	5%	1/4W
R727	1-249-421-11	CARBON	2.2K	5%	1/4W
R740	1-249-423-11	CARBON	3.3K	5%	1/4W
R741	1-249-417-11	CARBON	1K	5%	1/4W

(US,Canadian)

Ref. No.	Part No.	Description	Remark		
R742	1-249-429-11	CARBON	10K	5%	1/4W
R743	1-247-903-00	CARBON	1M	5%	1/4W
R744	1-247-887-00	CARBON	220K	5%	1/4W
R745	1-249-429-11	CARBON	10K	5%	1/4W
R746	1-249-437-11	CARBON	47K	5%	1/4W
R749	1-249-417-11	CARBON	1K	5%	1/4W
R751	1-249-417-11	CARBON	1K	5%	1/4W
R753	1-249-429-11	CARBON	10K	5%	1/4W
R766	1-249-417-11	CARBON	1K	5%	1/4W
R776	1-249-417-11	CARBON	1K	5%	1/4W
R780	1-249-417-11	CARBON	1K	5%	1/4W
R781	1-249-417-11	CARBON	1K	5%	1/4W
R782	1-249-417-11	CARBON	1K	5%	1/4W
R783	1-249-417-11	CARBON	1K	5%	1/4W
R784	1-249-417-11	CARBON	1K	5%	1/4W
R785	1-249-417-11	CARBON	1K	5%	1/4W
R786	1-249-417-11	CARBON	1K	5%	1/4W
R787	1-249-417-11	CARBON	1K	5%	1/4W
R788	1-249-417-11	CARBON	1K	5%	1/4W
R789	1-249-417-11	CARBON	1K	5%	1/4W
R790	1-249-417-11	CARBON	1K	5%	1/4W
R792	1-249-429-11	CARBON	10K	5%	1/4W
R793	1-249-417-11	CARBON	1K	5%	1/4W
R795	1-249-417-11	CARBON	1K	5%	1/4W
R796	1-249-417-11	CARBON	1K	5%	1/4W
R797	1-249-417-11	CARBON	1K	5%	1/4W
R798	1-249-417-11	CARBON	1K	5%	1/4W
R799	1-249-417-11	CARBON	1K	5%	1/4W
< VARIABLE RESISTOR >					
RV301	1-223-403-11	RES, VAR, CARBON 20K/20K (VOLUME)			
RV302	1-241-745-11	RES, VAR, CARBON 20K/20K (TONE)			
< SWITCH >					
S301	1-571-345-11	SWITCH, LEVER SLIDE (FUNCTION)			
S303	1-762-652-11	SWITCH, PUSH (MEGA BASS)			
< TRANSFORMER >					
T301	1-433-268-00	TRANSFORMER, BIAS OSCILLATOR			
< VIBRATOR >					
X701	1-579-345-11	VIBRATOR, CERAMIC (16.9344MHz)			

MOTOR	POWER	REC SW	TUNER
--------------	--------------	---------------	--------------

Ref. No.	Part No.	Description	Remark
*	1-659-990-11	MOTOR BOARD *****	
		< SWITCH >	
S701	1-571-936-11	SWITCH, LEAF (LIMIT)	

*	1-659-988-11	POWER BOARD *****	
	1-533-217-31	HOLDER, FUSE < CAPACITOR >	
C901	1-101-005-00	CERAMIC 22000PF 50V	
C902	1-101-005-00	CERAMIC 22000PF 50V	
C903	1-101-005-00	CERAMIC 22000PF 50V	
C904	1-101-005-00	CERAMIC 22000PF 50V	
C905	1-136-169-00	FILM 0.22uF 5% 50V	
		< AC INLET >	
△ CNJ901	1-526-818-11	INLET, AC (~ AC IN) (E92)	
△ CNJ901	1-526-838-11	INLET, AC 2P (~ AC IN) (AEP,UK,E23,EE,EA,G,IT)	
△ CNJ901	1-540-009-11	INLET, AC (~ AC IN) (US,Canadian)	
		< CONNECTOR >	
CNJ902	1-533-217-31	HOLDER, FUSE	
CNJ903	1-533-217-31	HOLDER, FUSE	
		< DIODE >	
D901	8-719-031-53	DIODE LT2A02	
D902	8-719-031-53	DIODE LT2A02	
D903	8-719-031-53	DIODE LT2A02	
D904	8-719-031-53	DIODE LT2A02	
		< FUSE >	
△ F901	1-532-235-00	FUSE (T315mA/250V) (E23,EA)	
△ F902	1-532-286-00	FUSE (T2.5A/250V) (AEP,UK,E23,EE,EA,G,IT)	
△ F902	1-576-107-11	FUSE, GLASS CYLINDERICAL (T3.15A/250V) (US,Canadian,E92)	
		< FERRITE BEAD >	
FB901	1-410-397-21	FERRITE BEAD INDUCTOR 1.1uH (EXCEPT E23,E92,EA)	
FB902	1-410-397-21	FERRITE BEAD INDUCTOR 1.1uH (EXCEPT E23,E92,EA)	
		< CABLE HOLDER >	
* KH901	1-573-287-11	HOLDER, CABLE 2P	

Ref. No.	Part No.	Description	Remark
		< SWITCH >	
△ S901	1-572-290-11	SWITCH, POWER (VOLTAGE SELECTOR) (E23,EA)	
		< TRANSFORMER >	
△ T901	1-426-631-11	TRANSFORMER, POWER (US,Canadian,E92)	
△ T901	1-426-632-11	TRANSFORMER, POWER (AEP,UK,EE,G,IT)	
△ T901	1-426-633-11	TRANSFORMER, POWER (E23,EA)	

*	1-659-986-11	REC SW BOARD *****	
		< CABLE HOLDER >	
* KH304	1-573-287-11	HOLDER, CABLE 2P < SWITCH >	
S304	1-571-936-11	SWITCH, LEAF (REC)	

*	A-3305-602-A	TUNER BOARD, COMPLETE (AEP,UK,G)	
*	A-3305-671-A	TUNER BOARD, COMPLETE (E23)	
*	A-3305-673-A	TUNER BOARD, COMPLETE (US,Canadian,E92)	
*	A-3305-677-A	TUNER BOARD, COMPLETE (IT)	
*	A-3305-678-A	TUNER BOARD, COMPLETE (EE)	
*	A-3306-014-A	TUNER BOARD, COMPLETE (EA) *****	
		< BPF >	
BPF1	1-236-711-21	FILTER, BAND PASS (EXCEPT EE)	
BPF1	1-239-907-21	FILTER, BAND PASS (EE)	
		< CAPACITOR >	
C2	1-162-306-11	CERAMIC 0.01uF 30% 16V	
C3	1-124-443-00	ELECT 100uF 20% 10V	
C4	1-162-190-31	CERAMIC 1.8PF 20% 50V	
C5	1-162-197-31	CERAMIC 6.8PF 5% 50V (EE)	
C5	1-162-206-31	CERAMIC 20PF 5% 50V (US,Canadian,E92)	
C5	1-162-208-31	CERAMIC 24PF 5% 50V (AEP,UK,EA,G,IT)	
C6	1-102-949-00	CERAMIC 12PF 5% 50V (EE)	
C6	1-102-958-00	CERAMIC 20PF 5% 50V (EA,IT)	
C6	1-102-960-00	CERAMIC 24PF 5% 50V (US,Canadian,E23,E92)	
C6	1-102-961-00	CERAMIC 27PF 5% 50V (AEP,UK,G)	

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

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

TUNER

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C7	1-162-197-31	CERAMIC	6.8PF	10%	50V (US,Canadian,E92)			< DIODE >			
C7	1-162-198-31	CERAMIC	8.2PF	10%	50V (AEP,UK,E23,EE,EA,G)	D1	8-719-991-33	DIODE 1SS133T-77			
C7	1-162-199-31	CERAMIC	10PF	5%	50V (IT)	D2	8-719-991-33	DIODE 1SS133T-77			
C8	1-162-193-31	CERAMIC	3.3PF	10%	50V			< IC >			
C9	1-162-306-11	CERAMIC	0.01uF	30%	16V	IC1	8-752-050-20	IC CXA1238S			
C10	1-162-306-11	CERAMIC	0.01uF	30%	16V			< CABLE HOLDER >			
C11	1-126-963-11	ELECT	4.7uF	20%	50V	* KH1	1-565-386-11	HOLDER, CABLE 5P			
C12	1-124-903-11	ELECT	1uF	20%	50V			< COIL >			
C13	1-104-664-11	ELECT	47uF	20%	10V	L1	1-406-998-11	COIL, AIR-CORE (EXCEPT EE)			
C14	1-124-443-00	ELECT	100uF	20%	10V	L1	1-409-776-11	COIL, AIR-CORE (EE)			
C15	1-162-306-11	CERAMIC	0.01uF	30%	16V	L2	1-406-957-11	COIL (WITH CORE) (EA,IT)			
C16	1-126-961-11	ELECT	2.2uF	20%	50V	L2	1-411-387-11	COIL, AIR-CORE (AEP,UK,G)			
C17	1-124-443-00	ELECT	100uF	20%	10V	L2	1-422-230-11	COIL, AIR-CORE (US,Canadian,E23,E92)			
C18	1-161-053-00	CERAMIC	0.015uF	10%	50V (US,Canadian,E92)	L2	1-460-350-11	COIL (WITH CORE) (EE)			
C18	1-162-839-11	CERAMIC	0.01uF	10%	16V (AEP,UK,E23,EE,EA,G,IT)	L3	1-402-577-11	ANTENNA, FERRITE-ROD (AM) (US,Canadian,E92)			
C19	1-161-053-00	CERAMIC	0.015uF	10%	50V (US,Canadian,E92)	L3	1-402-577-31	ANTENNA, FERRITE-ROD (AM) (AEP,UK,E23,EE,EA,G,IT)			
C19	1-162-839-11	CERAMIC	0.01uF	10%	16V (AEP,UK,E23,EE,EA,G,IT)	L4	1-406-040-62	COIL (OSC)			
C22	1-124-903-11	ELECT	1uF	20%	50V	L5	1-410-509-11	INDUCTOR 10uH			
C23	1-124-902-00	ELECT	0.47uF	20%	50V			< TRANSISTOR >			
C24	1-126-963-11	ELECT	4.7uF	20%	50V	Q1	8-729-206-28	TRANSISTOR RN1201			
C34	1-162-294-31	CERAMIC	0.001uF	10%	50V (US,Canadian,E92)			< RESISTOR >			
C35	1-162-294-31	CERAMIC	0.001uF	10%	50V (US,Canadian,E92)	R2	1-249-421-11	CARBON 2.2K 5% 1/4W			
C36	1-162-294-31	CERAMIC	0.001uF	10%	50V (US,Canadian,E92,EE)	R3	1-249-441-11	CARBON 100K 5% 1/4W			
C38	1-162-199-31	CERAMIC	10PF	5%	50V (EA,IT)	R5	1-249-429-11	CARBON 10K 5% 1/4W			
		< FILTER >				R7	1-249-403-11	CARBON 68 5% 1/4W			
CF1	1-760-238-11	FILTER, CERAMIC				R8	1-249-427-11	CARBON 6.8K 5% 1/4W			
CF3	1-760-238-11	FILTER, CERAMIC				R9	1-249-427-11	CARBON 6.8K 5% 1/4W			
		< ENCAPSULATED COMPONENT >				R10	1-249-435-11	CARBON 33K 5% 1/4W (AEP,UK,EE,G,IT)			
CFT1	1-239-724-11	ENCAPSULATED COMPONENT				R11	1-247-887-00	CARBON 220K 5% 1/4W			
		< VARIABLE CAPACITOR >				R12	1-249-421-11	CARBON 2.2K 5% 1/4W			
CT1-4	1-151-695-11	CAP, VAR (TUNING) (AEP,UK,E23,EA,G,IT)				R13	1-247-807-31	CARBON 100 5% 1/4W			
CV1-4	1-151-695-11	CAP, VAR (TUNING) (AEP,UK,E23,EA,G,IT)				R14	1-249-411-11	CARBON 330 5% 1/4W (EXCEPT EE)			
CT1-4	1-151-696-11	CAP, VAR (TUNING) (US,Canadian,E92)				R14	1-249-413-11	CARBON 470 5% 1/4W (EE)			
CV1-4	1-151-696-11	CAP, VAR (TUNING) (US,Canadian,E92)				R15	1-247-887-00	CARBON 220K 5% 1/4W			
CT1-4	1-151-697-11	CAP, VAR (TUNING) (EE)				R16	1-249-423-11	CARBON 3.3K 5% 1/4W (US,Canadian,E92)			
CV1-4	1-151-697-11	CAP, VAR (TUNING) (EE)				R17	1-249-413-11	CARBON 470 5% 1/4W (EXCEPT US,Canadian,E)			
						R18	1-247-815-00	CARBON 220 5% 1/4W			

SEE ADDITIONAL
INFORMATION

TUNER

Ref. No.	Part No.	Description	Remark
		< VARIABLE RESISTOR >	
RV1	1-241-765-11	RES, ADJ, CARBON 22K	
		< SWITCH >	
SW1	1-692-928-11	SWITCH, SLIDE (STEREO/MONO)	(AEP,UK,EE,G,IT)

		MISCELLANEOUS	

5	1-776-504-11	WIRE, PARALLEL (FFC) (16 CORE)	
102	1-452-732-11	MAGNET	
111	1-769-824-11	WIRE (FLAT TYPE) (16 CORE)	
112	1-776-503-11	WIRE, PARALLEL (FFC) (16 CORE)	
△251	8-848-376-01	PICK-UP, OPTICAL KSS-213B/S-N	
ANT1	1-501-388-11	ANTENNA, TELESCOPIC	
△F901	1-532-235-00	FUSE (T315mA/250V) (E23,EA)	
△F902	1-532-286-00	FUSE (T2.5A/250V) (AEP,UK,E23,EE,EA,G,IT)	
△F902	1-576-107-11	FUSE, GLASS CYLINDRICAL (T3.15A/250V)	(US,Canadian,E92)
HE901	1-500-334-11	HEAD, E (TC-238) (ERASE)	
HRP901	1-500-333-11	HEAD, R-P (MS15R-AA2N1)	(RECORD/PLAYBACK)
M601	1-698-864-11	MOTOR (WITH PULLEY)	
M701	X-2625-769-1	MOTOR GEAR ASSY (SLED)	
S601	1-762-658-11	SWITCH, LEAF (MSW-1541T) (PLAY)	
S602	1-692-960-11	SWITCH, PUSH (1 KEY) (OPEN/CLOSE)	
SP901	1-504-727-11	SPEAKER (10CM) (L-CH)	
SP902	1-504-727-11	SPEAKER (10CM) (R-CH)	
△T901	1-426-631-11	TRANSFORMER, POWER (US,Canadian,E92)	
△T901	1-426-632-11	TRANSFORMER, POWER (AEP,UK,EE,G,IT)	
△T901	1-426-633-11	TRANSFORMER, POWER (E23,EA)	

Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	

△	1-551-983-00	CORD, POWER (E23)	
△	1-557-287-11	CORD, POWER (E92)	
△	1-569-007-11	ADAPTOR, CONVERSION 2P (E23)	
△	1-569-008-11	ADAPTOR, CONVERSION 2P (EA)	
△	1-690-952-21	CORD, POWER (US,Canadian)	
△	1-751-214-11	CORD, POWER (UK)	
△	1-769-412-11	CORD, POWER (AEP,EE,EA,G,IT)	
	3-810-650-11	MANUAL, INSTRUCTION (ENGLISH,GERMAN)	(AEP,UK,E23,EE,EA,G)
	3-810-650-21	MANUAL, INSTRUCTION (FRENCH,SPANISH)	(AEP,E23,EA)
	3-810-650-31	MANUAL,INSTRUCTION	(DUTCH,SWEDISH,PORTUGUESE) (AEP)
	3-810-650-41	MANUAL, INSTRUCTION (ITALIAN) (IT)	
	3-810-650-51	MANUAL, INSTRUCTION (ENGLISH)	(US,Canadian,E92)
	3-810-650-61	MANUAL, INSTRUCTION (FRENCH) (Canadian)	
	3-810-650-71	MANUAL, INSTRUCTION (SPANISH) (E92)	
	3-810-650-81	MANUAL, INSTRUCTION (POLISH,RUSSIAN) (EE)	
*	3-932-831-01	CUSHION (L)	
*	3-932-832-01	CUSHION (R)	
*	3-932-849-01	INDIVIDUAL CARTON (US)	
*	3-932-850-01	INDIVIDUAL CARTON (Canadian)	
*	3-932-851-01	INDIVIDUAL CARTON (E23,E92,EA)	
*	3-932-852-01	INDIVIDUAL CARTON (AEP,UK,EE,G,IT)	
	4-973-399-01	LID, BATTERY CASE (For RMT-C151)	
	8-917-556-90	REMOTE COMMANDER, SONY RMT-C151	

HARDWARE LIST*****

#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S
#2	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT
#3	7-685-649-79	SCREW +BVTP 3X14 TYPE2 N-S
#4	7-685-648-79	SCREW, TAPPING
#5	7-621-773-95	SCREW +B 2.6X6
#6	7-621-255-25	SCREW +BVTT 2X4 (S)
#7	7-682-548-04	SCREW +B 3X8
#8	7-685-138-19	SCREW +P 2.6X16 TYPE2 NON-SLIT
#9	7-685-135-19	SCREW +P 2.6X10 TYPE2 NON-SLIT
#10	7-621-255-15	SCREW +P 2X3

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

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

CFD-151

SONY SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model

SUPPLEMENT-1

File this supplement with the service manual.

Subject : Addition of Korean Model

The Korean model has almost the same specifications as the AEP model.

This supplement covers only the differences from the AEP model.
For other information, refer to the service manual previously issued.

• Difference Parts List

Page	AEP model				Korean model		
	Ref. No.	Part No.	Description	Remark	Part No.	Description	Remark
50	△	1-769-412-11	CORD, POWER (AEP, EE, EA, G, IT)		△ 1-776-985-11	CORD, POWER (KOREAN)	
		3-810-650-11	MANUAL, INSTRUCTION (ENGLISH, GERMAN) (AEP, UK, E23, EE, EA, G)		3-810-650-91	MANUAL, INSTRUCTION (KOREAN) (KOREAN)	
		3-810-650-21	MANUAL, INSTRUCTION (FRENCH, SPANISH) (AEP, E23, EA)				
		3-810-650-31	MANUAL, INSTRUCTION (DUTCH, SWEDISH, PORTUGUESE) (AEP)				

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

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