

CFD-121

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model



CD Section	Model Name Using Similar Mechanism	CFD-14
	CD Mechanism Type	KSM-213BAN
	Optical Pick-up Name	KSS-213B/K
TC Section	Model Name Using Similar Mechanism	NEW
	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 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)

Spindle speed

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

Number of channels

2

Frequency response

20 - 20,000 Hz +1/-2dB

Wow and flutter

Below measurable limit

Radio section

Frequency range

FM:	US, Canadian, E model	87.6 - 108 MHz
	AEP, UK 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,	
	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, Italian, East European model)

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

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

9 V DC, 6 R20 (size D) 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. 446x165x234 mm (w/h/d)

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

Mass

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

Supplied accessory

AC power cord (1)

Design and specifications are subject to change without notice.

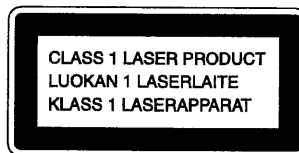
HOW TO CHANGE THE CERAMIC FILTERS

This model is used two ceramic filters of CF1 and 3.

You must use same type of color marked ceramic filters in order to meet same specifications.

Therefore, the ceramic filter must change two pieces together since it's supply two pieces in one package as a spare parts.

mark1	mark2	Carrier Frequency
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



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.

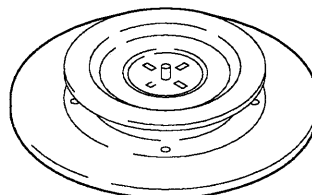
NOTES ON LASER DIODE EMISSION CHECK

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

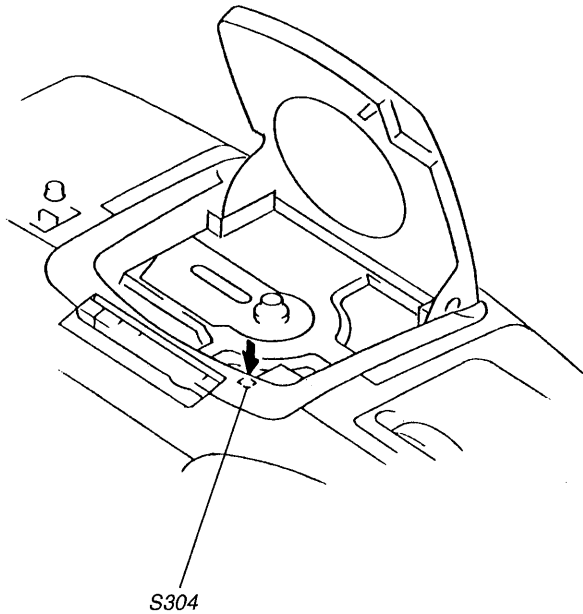
On repairing CD section, playing a disc without the CD lid, use Chuck Plate jig.

- 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 (S304) 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)

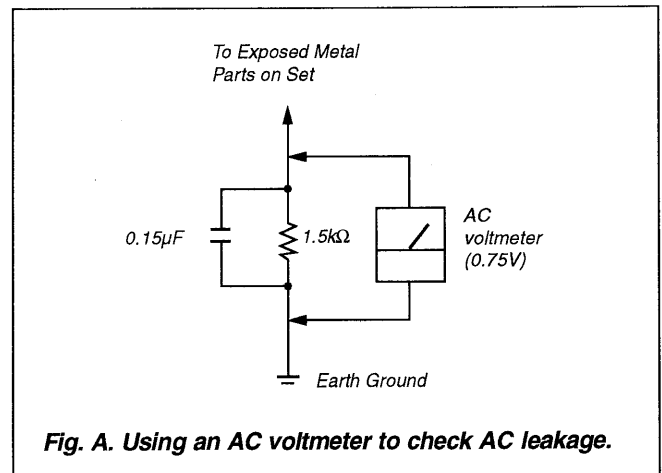


Fig. A. Using an AC voltmeter to check AC leakage.

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.

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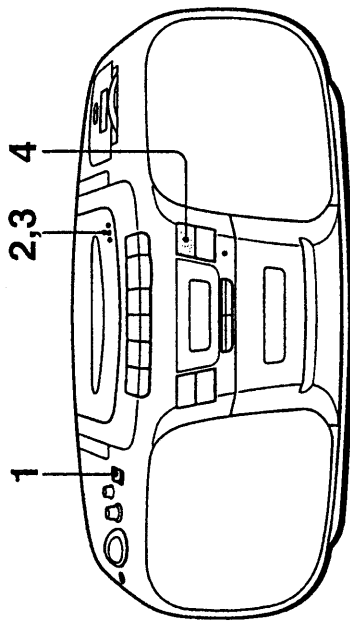
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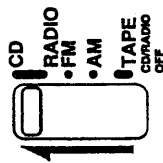
39

Playing a CD

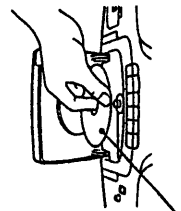


Connect the supplied AC power cord (see page 16).

1 Set FUNCTION to CD.

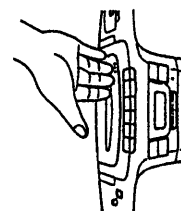


2 Press OPEN/CLOSE down to open the CD compartment and place a CD on the CD compartment.



With the label side up

3 Close the CD compartment.



SECTION 1 GENERAL

This section extracted from instruction manual.

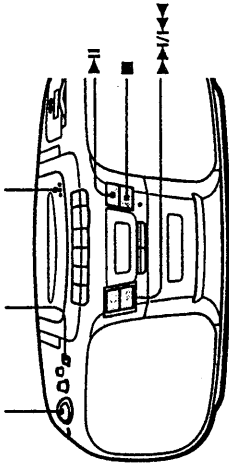
Basic Operations

4 Press **▶||**.
The player plays all the tracks once.

Display

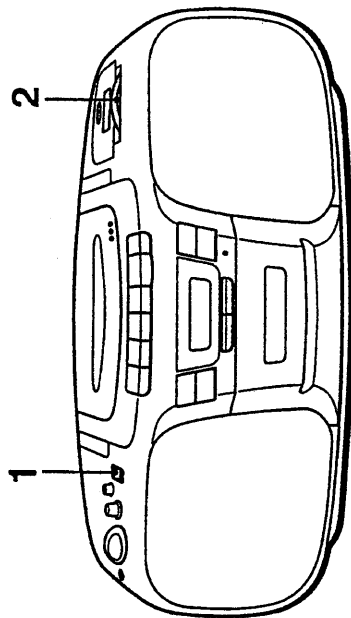
Track number Playing time

Use these buttons for additional operations

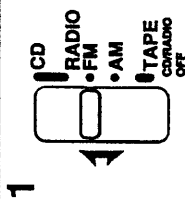


To	Do this
Adjust the volume	Turn VOLUME.
Stop playback	Press ■ .
Pause playback	Press ▶ . Press again to resume play after pause.
Go to the next track	Press ▶▶ .
Go back to the previous track	Press ◀◀ .
Remove the CD	Press OPEN/CLOSE.
Turn off the player	Set FUNCTION to TAPE (CD/RADIO OFF).

Listening to the radio



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



1 Set FUNCTION to RADIO FM or AM.

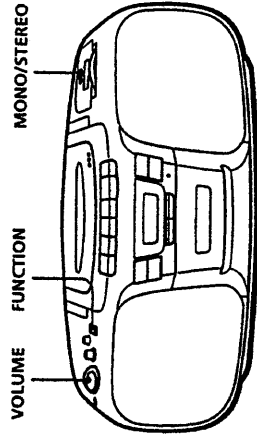


2 Turn TUNING to tune in a radio station.
If the received FM stereo is too weak, the reception becomes monaural.

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.

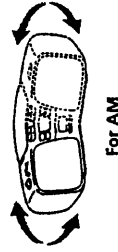
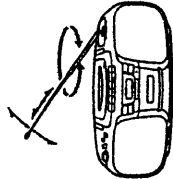
Use these buttons for additional operations



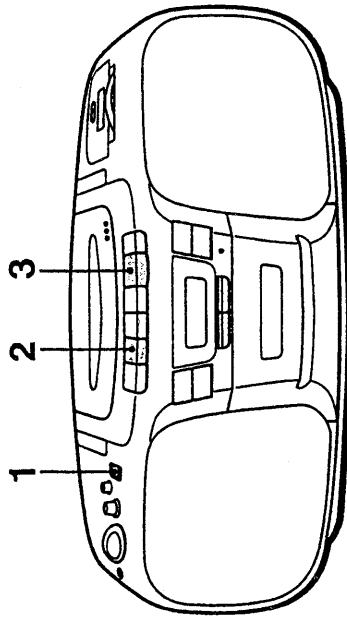
To	Do this
Adjust the volume	Turn VOLUME.
Turn off the radio	Set FUNCTION to TAPE (CD/RADIO OFF).

To improve broadcast reception

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

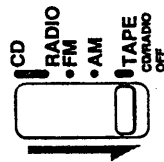


Playing a tape



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

1



Set FUNCTION to TAPE(CD/
RADIO OFF).

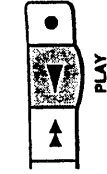
2



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

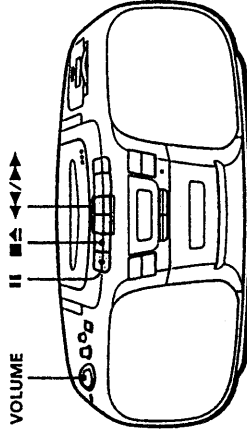
With the side you want
to play facing forward

3



Press .

Use these buttons for additional operations

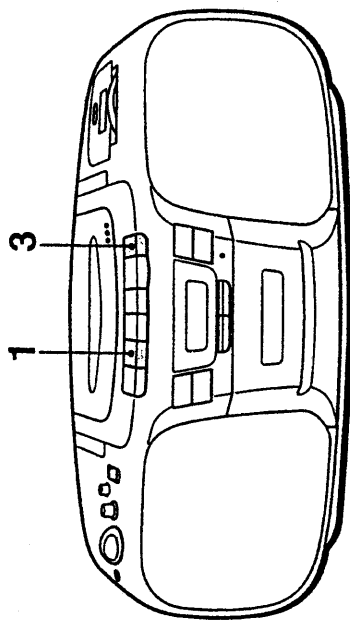


Basic Operations

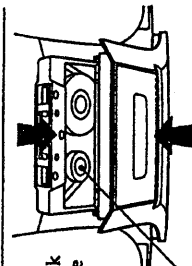
To	Do this
Adjust the volume	Turn VOLUME.
Stop playback	Press .
Fast-forward or rewind the tape*	Press or .
Pause playback	Press .
	Press the button again to resume play after pause.
Eject the cassette	Press .

*For the side facing forward

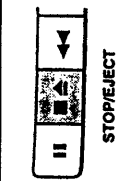
Recording on a tape



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



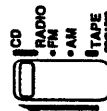
Press **1** to open the tape compartment and insert a blank tape. Use TYPE I (normal) tape only.



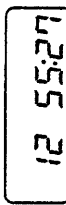
2

Select the program source you want to record.

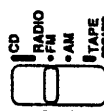
To record from the CD player, set FUNCTION to CD and insert a CD (see page 4).



Display

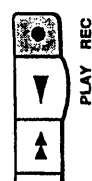


To record from the radio, set FUNCTION to RADIO FM or AM and tune in the station you want (see page 6).

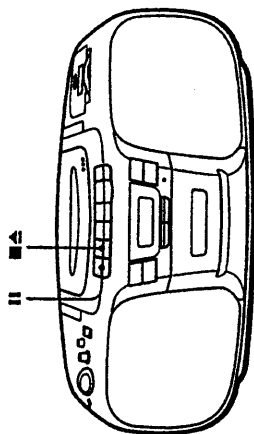


3

Press **3** to start recording. (▶ is depressed automatically).



Use these buttons for additional operations



To	Press
Stop recording	1
Pause recording	2
	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 **3**.

SECTION 2 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.
6. Power supply voltage : 6 V dc

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 3 ELECTRICAL ADJUSTMENTS

3-1. TAPE RECORDER SECTION 0dB=0.775V

• Standard Output Level

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

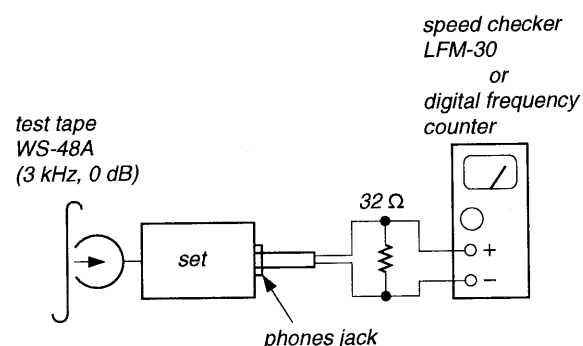
• Test Tape

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

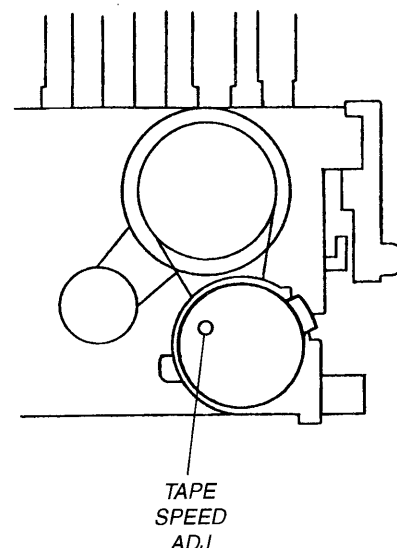


Adjustment Value :

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:

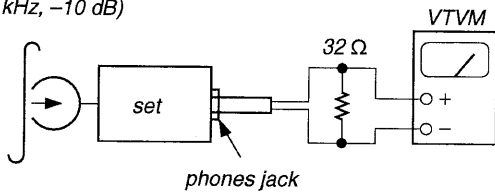


REC/PB Head Azimuth Adjustment

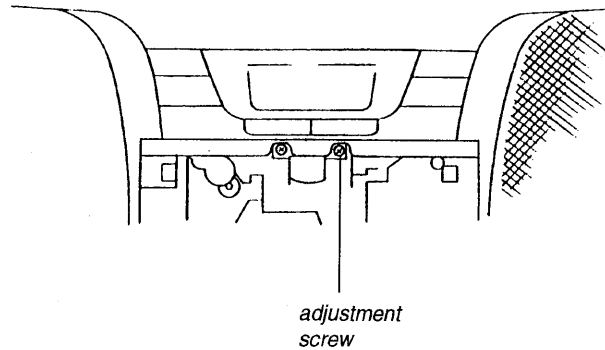
Procedure :

1. Mode : playback

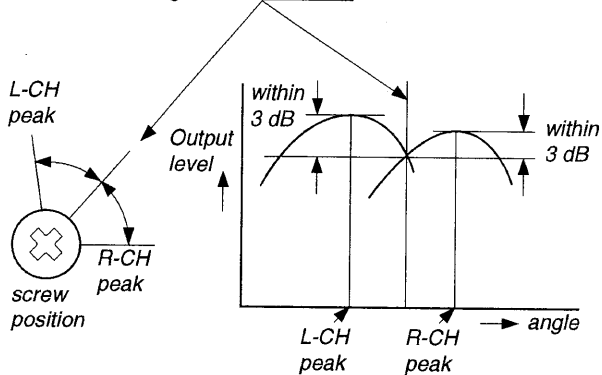
test tape
P-4-A063
(6.3 kHz, -10 dB)



Adjustment Location : record/playback head

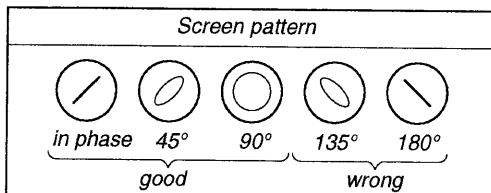
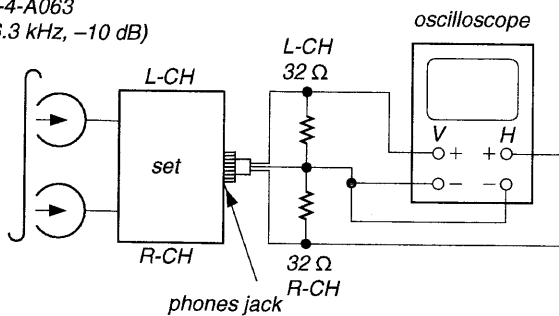


2. Turn the adjustment screw for the maximum output levels. If these levels do not match. Turn the adjustment screw until both of output levels match together within 3 dB.



3. Phase Check
Mode : playback

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



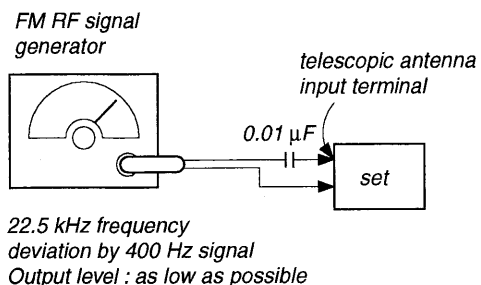
Note : Finish the screw adjustment with a turn in the clockwise direction.
After the adjustment, lock the adjustment screw.

3-2. TUNER SECTION 0dB=1μV

• FM Section

Setting :

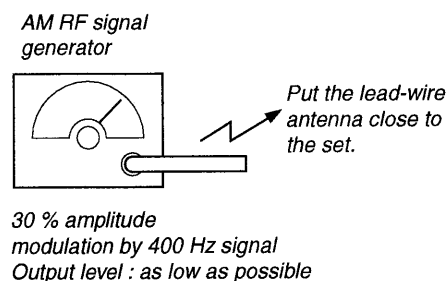
FUNCTION switch : FM



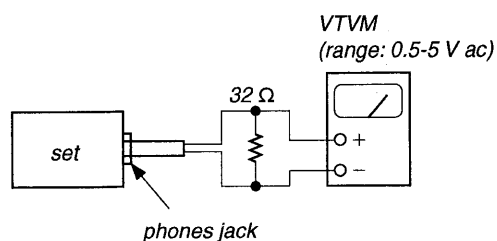
• AM Section

Setting :

FUNCTION switch : AM



• Connecting VTVM (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 VTVM.

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 VTVM.

L1	CT1
86.5 MHz (87.0 MHz) <87.35 MHz> ((64.0 MHz))	109.5 MHz (108.3 MHz) <108.25 MHz> ((109.5 MHz))

AM FREQUENCY COVERAGE ADJUSTMENT

Adjust for a maximum reading on VTVM.

L4	CT4
520 kHz <516.5 kHz>	1,780 kHz <1,630 kHz> <<1,680 kHz>>

AM TRACKING ADJUSTMENT

Adjust for a maximum reading on VTVM.

L3	CT3
620 kHz	1,400 kHz

() : AEP, UK model

< > : Italian model

(()) : East European model

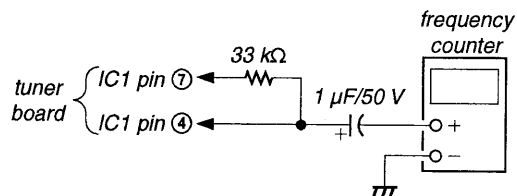
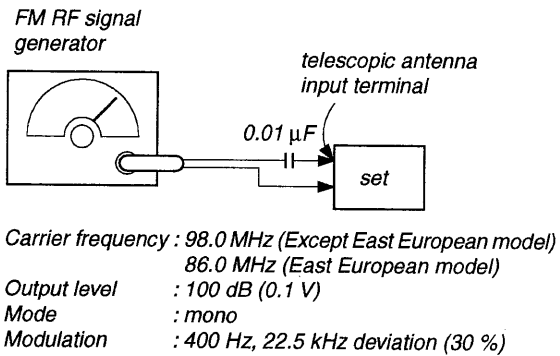
<< >> : AEP, UK, East European model

Adjustment Location : See page 12.

FMVCO Adjustment

Setting :

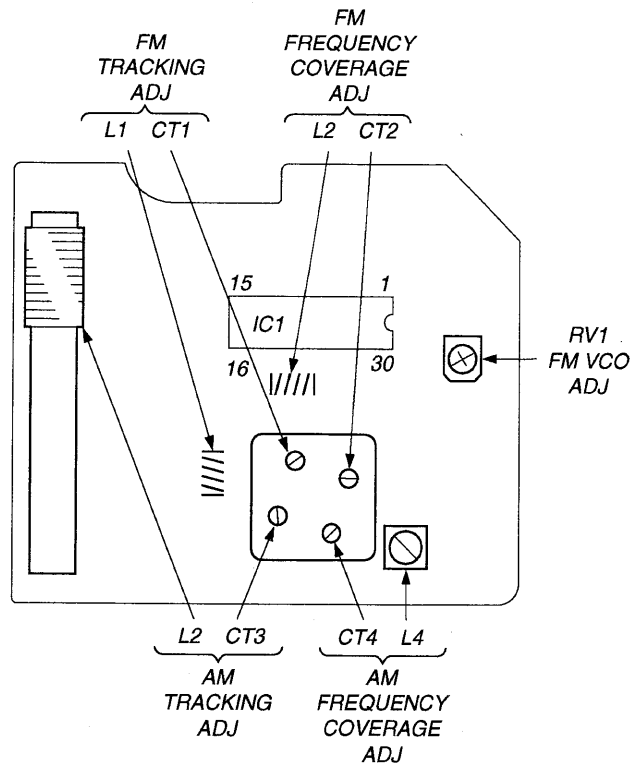
FUNCTION switch : FM



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.

Adjustment Location : tuner board (component side)



3-3. 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 16.)

• Switch position
FUNCTION switch : CD

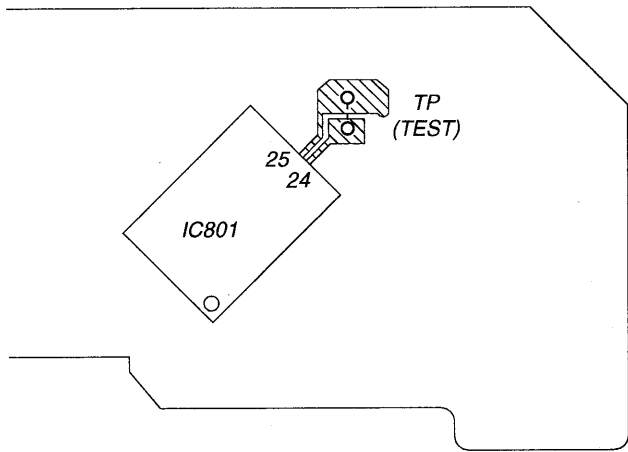
• In case of Test Mode

- 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 $\triangleright\blacktriangleleft$, $\blacktriangleleft\blacktriangleleft$ 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.

$\triangleright\blacktriangleleft$: Optical pick-up moves to the outer circumference

$\blacktriangleleft\blacktriangleleft$: Optical pick-up moves to the inner circumference

• Focus Search Check

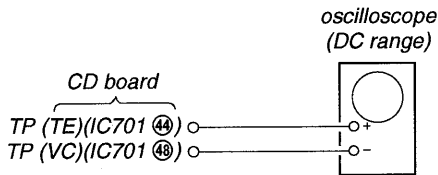
- 1. Push the $\triangleright\blacksquare$ button. (Focus search operation is performed continuously.)
- 2. Look at the optical pick-up objective lens and confirm the it moves up and down smoothly, with no catching or abnormal noises.
- 3. Push the $\square$ button.

Confirm that focus search operation stops. If it does not, push the $\square$ button again longer.

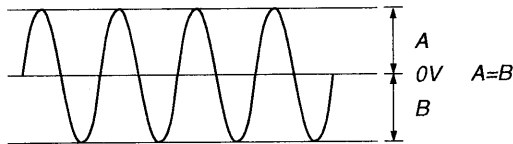
Traverse Adjustment

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 $\triangleright\blacktriangleleft$ and $\blacktriangleleft\blacktriangleleft$ buttons to move the optical pick-up to the center.
- 6. Push the $\triangleright\blacksquare$ button.
- 7. Push the $\square$ button.
- 8. Push the $\triangleright\blacksquare$ 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.

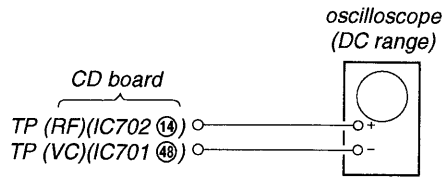


Adjustment Location : See page 16.

Focus Bias Adjustment

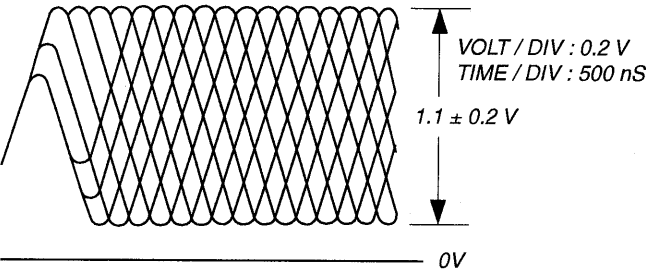
This adjustment is to be done when the optical pick-up block is replaced.

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 16.

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.

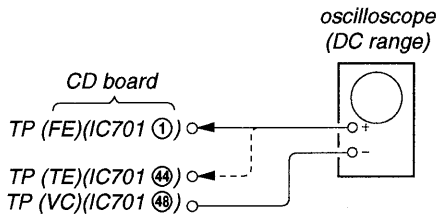
Symptoms	Gain	Focus	Tracking
• The time until music starts becomes longer for □ → ▷ button on automatic selection. (◀▶, ▶▶ buttons pressed.) (Normally takes about 2 seconds.)		low	low or high
• Music does not start and disc continues to rotate for □ → ▷ button or automatic selection. (◀▶, ▶▶ buttons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

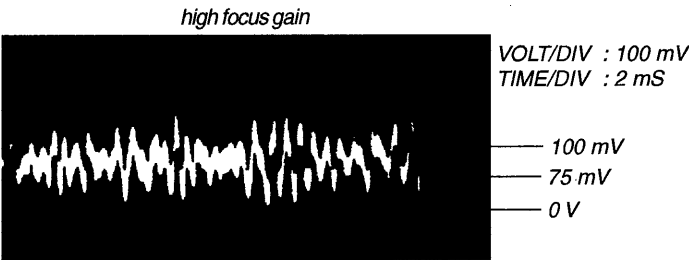
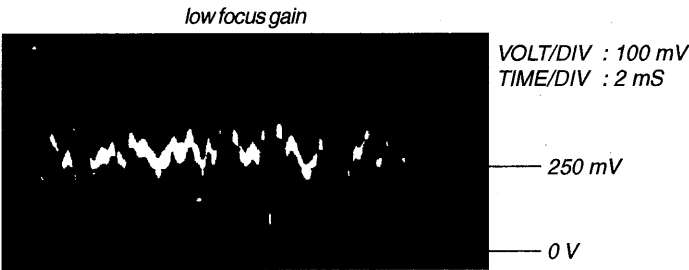


1. Keep the set horizontal.
If the set not horizontal, this adjustment cannot be performed due to the gravity against the 2-axis device.
2. Insert disc (YEDS-18) and push the button.
3. Connect the oscilloscope between TP (FE) and TP (VC).
4. Adjustment RV702 so that the waveform is as shown in the figure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

• Correct Example



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

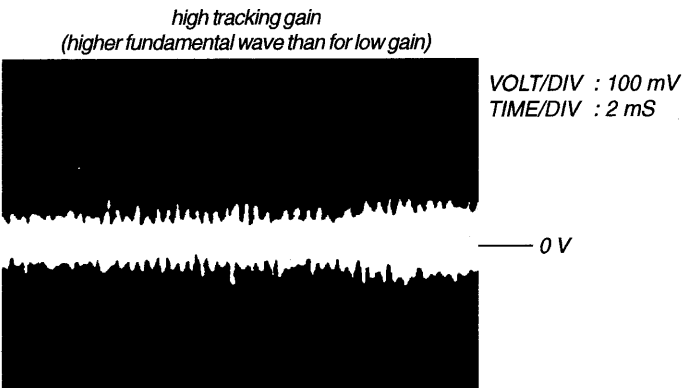
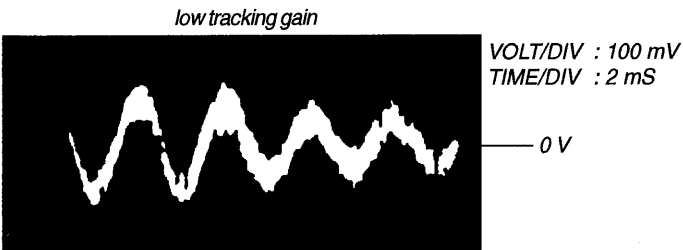


5. Connect the osilloscope between TP (TE) and TP (VC).
6. Adjust RV704 so that the waveform is as shown in the figure below. (tracking gain adjustment)

• Correct Example

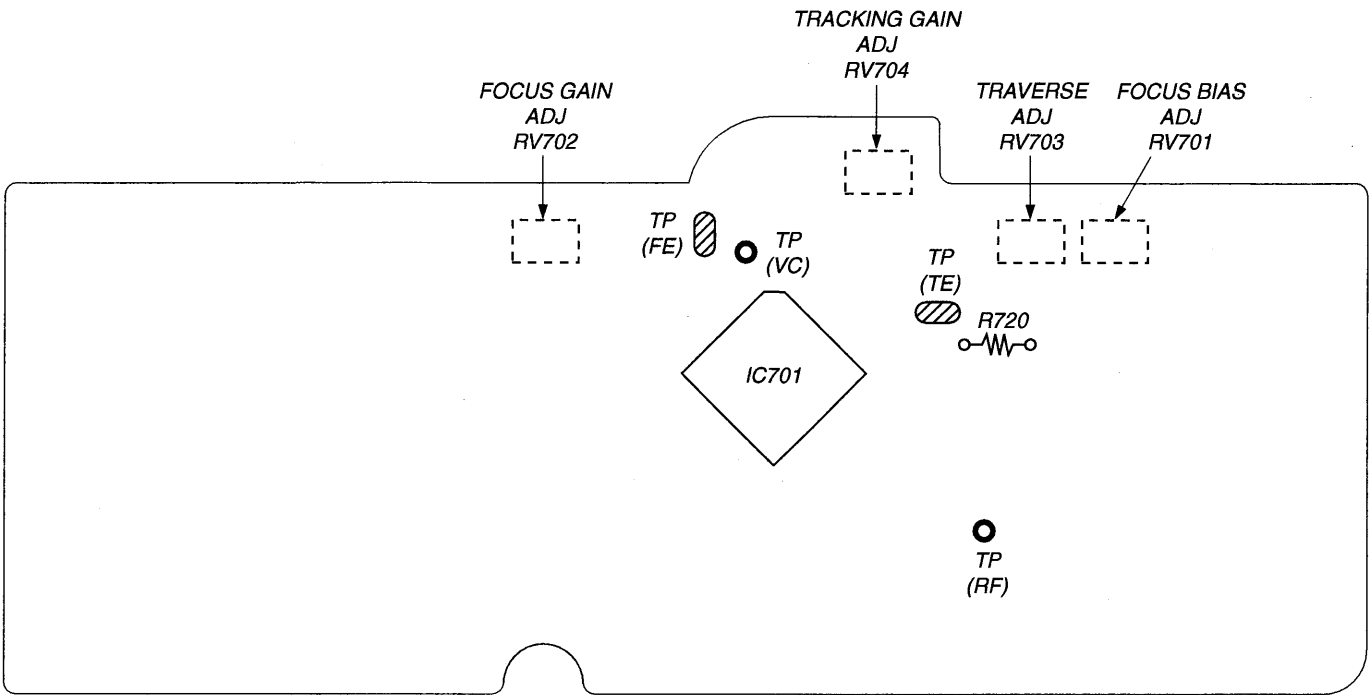


• Incorrect Examples (fundamental wave appears)



Adjustment Location : See page 16.

Adjustment Location : CD board (conductor side)



SECTION 4
DIAGRAMS

4-1. PRINTED WIRING BOARDS

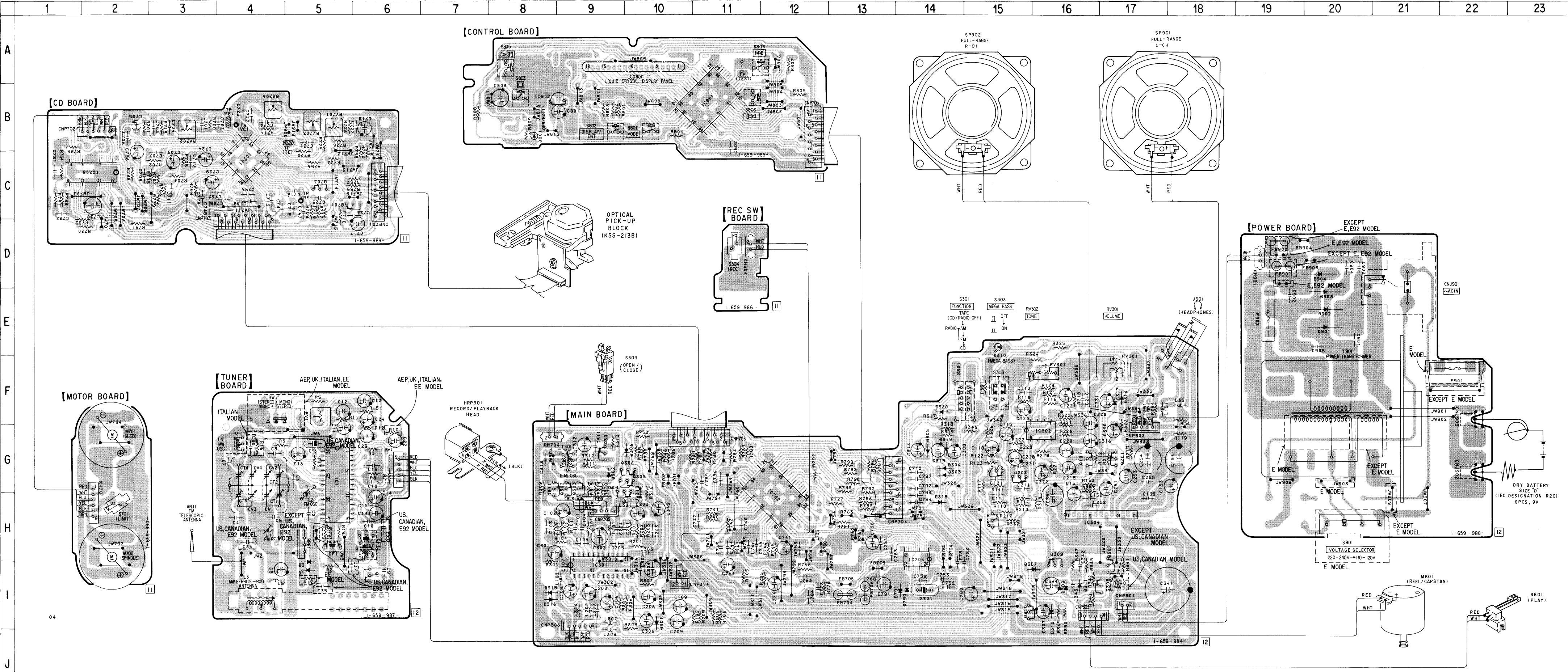
• Semiconductor Location

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

Note:

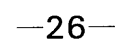
- — : parts extracted from the component side.
- ▨ : Pattern on the side which is seen.
- Abbreviation

E92: Central & South America model
EE : East European model

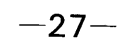


Note :
Les composants identifiés par une marque  sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

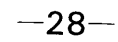
TOTAL CURRENT	
	CURRENT
FM	90mA
AM	90mA
PLAY	130mA
REC	170mA
CD	330mA



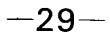
27—



—28—



—29—



—30—



SECTION 5

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
 IT : Italian model
 EE : East European model
 E92 : Central & South America model

- -XX and -X mean standardized parts, so they may have some difference from the original one.

- Color Indication of Appearance Parts

Example :

1
KNOB, BALANCE (WHITE) ... (RED)

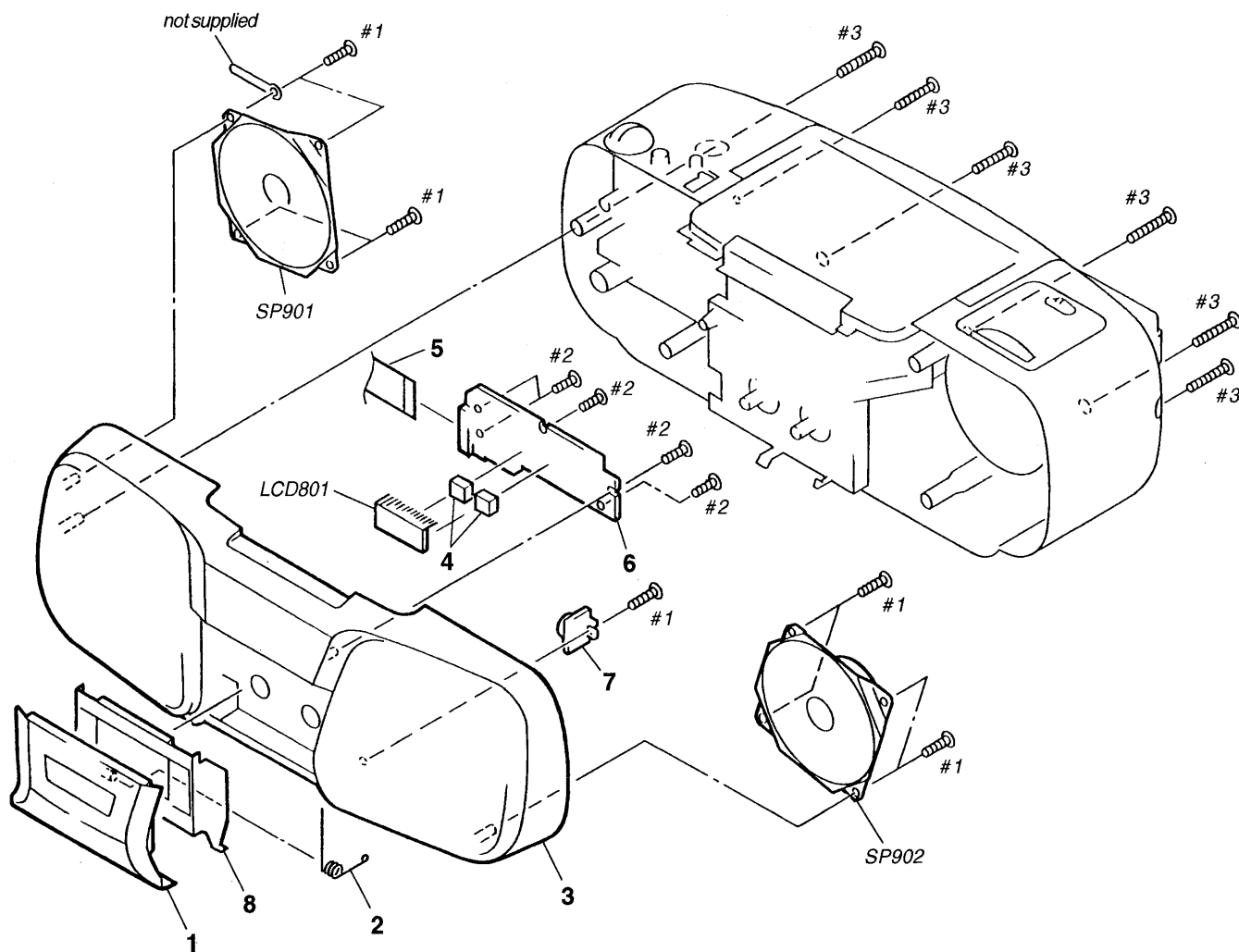
Parts Color Cabinet's Color

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

The components identified by mark  or dotted line with mark.  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.

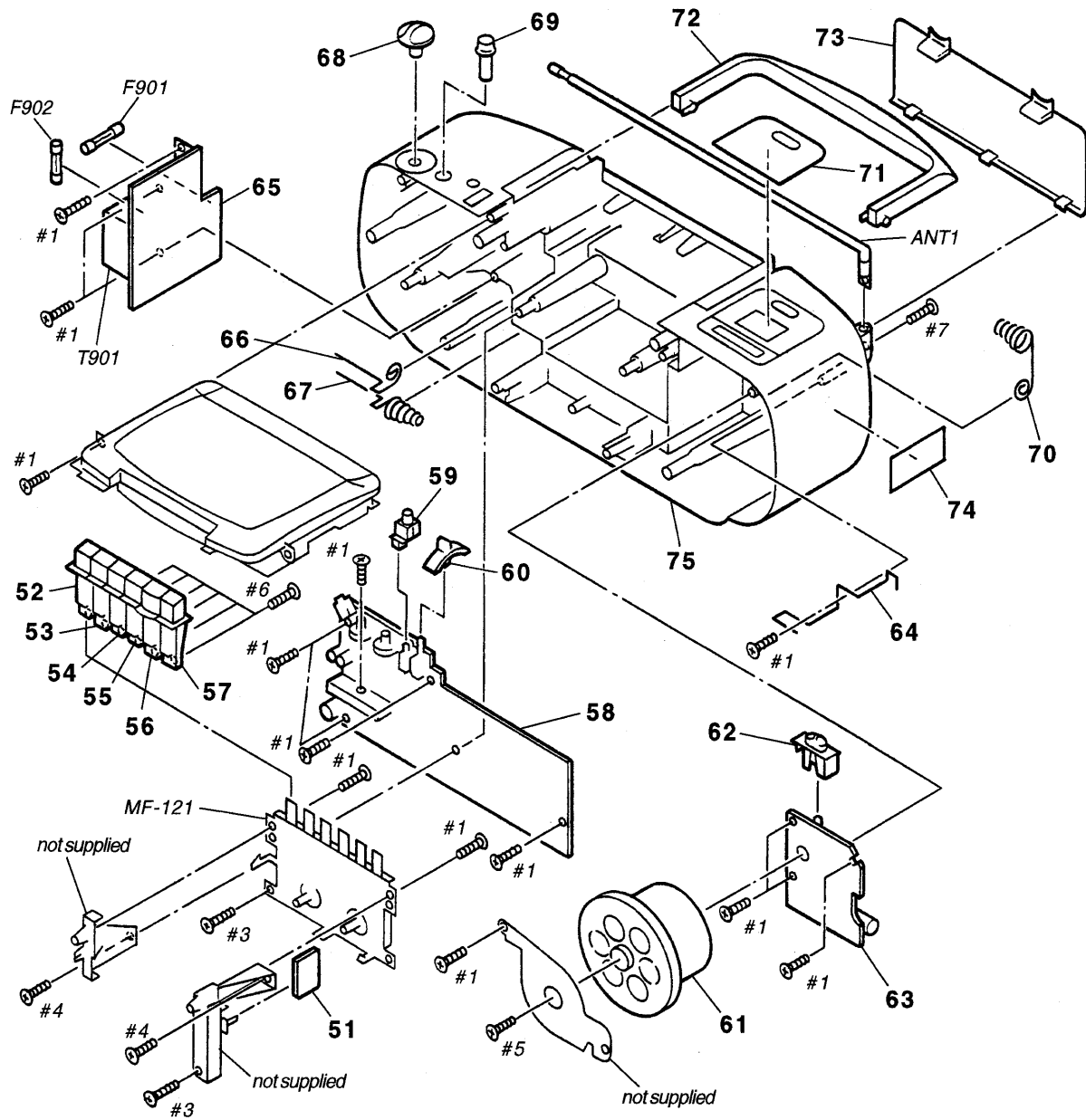
5-1. FRONT CABINET SECTION



<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
1	X-3371-619-1	CASSETTE ASSY, LID
2	3-932-920-01	SPRING (CASSETTE)
3	X-3371-618-1	CABINET (FRONT) SUB ASSY
* 4	3-933-142-01	CUSHION (LCD)
5	1-776-504-11	WIRE, PARALLEL (FFC) (16 CORE)
* 6	1-659-985-11	CONTROL BOARD

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
7	3-351-377-01	DAMPER	
8	3-932-922-01	HOLDER, CASSETTE	
LCD801	1-801-118-31	DISPLAY PANEL, LIQUID CRYSTAL	
SP901	1-504-727-11	SPEAKER (10CM) (L-CH)	
SP902	1-504-727-11	SPEAKER (10CM) (R-CH)	

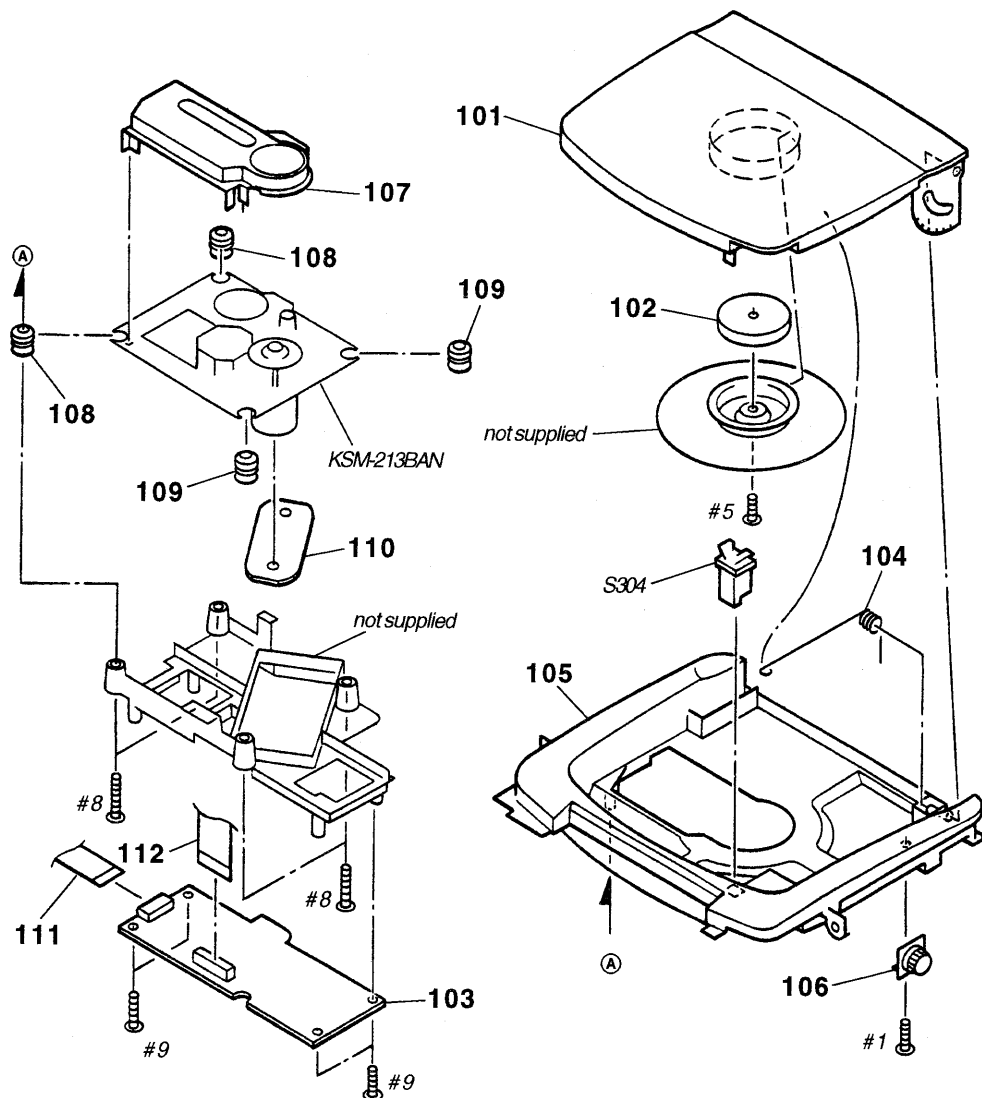
5-2. REAR CABINET SECTION



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.
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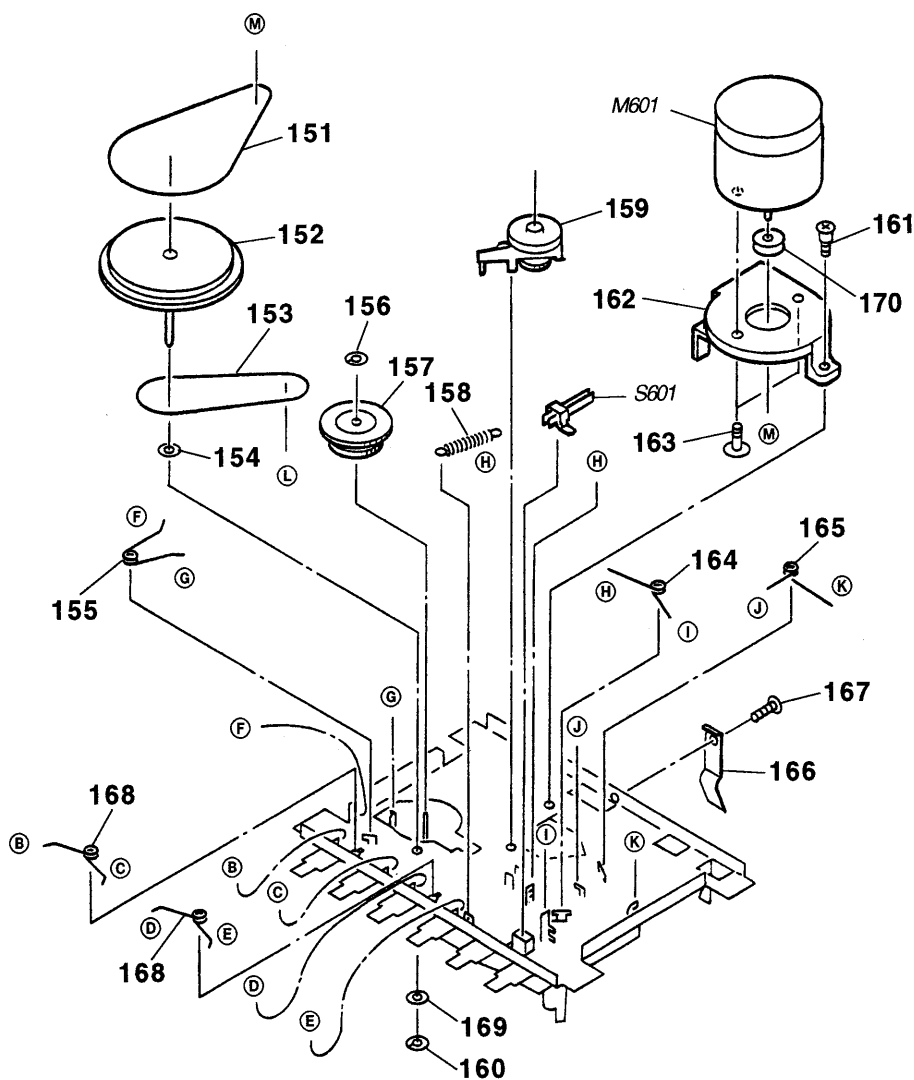
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
* 51	1-659-986-11	REC SW BOARD		64	3-932-934-01	CONTACT (ANT)	
52	3-932-943-01	BUTTON (PAUSE), MD		* 65	1-659-988-11	POWER BOARD	
53	3-932-944-01	BUTTON (STOP/EJECT), MD		66	3-932-932-01	PLATE (+), BATTERY TERMINAL	
54	3-932-945-01	BUTTON (FF), MD		67	3-932-933-01	PLATE (-), BATTERY TERMINAL	
55	3-932-946-01	BUTTON (REW), MD		68	3-910-115-01	KNOB (VOL)	
56	3-932-947-01	BUTTON (PLAY), MD		69	3-910-097-01	KNOB (TONE)	
57	3-932-948-01	BUTTON (REC), MD		70	3-386-979-01	SPRING (+ -), BATTERY COIL	
* 58	A-3305-607-A	MAIN BOARD, COMPLETE (AEP,UK,E,IT,EE,E92)		71	3-932-930-01	WINDOW (TU) (AEP,UK,IT,EE)	
* 58	A-3305-674-A	MAIN BOARD, COMPLETE (US,Canadian)		71	3-932-930-11	WINDOW (TU) (US,Canadian,E,E92)	
59	3-932-937-01	BUTTON (MEGA BASS)		72	3-932-950-01	HANDLE	
60	3-369-039-01	KNOB (FUNCTION)		73	3-915-535-11	LID, BATTERY CASE	
61	3-932-935-01	KNOB (TU) (AEP,UK)		* 74	4-941-548-01	LABEL, CLASS (1) (AEP,UK,IT,EE)	
61	3-932-935-11	KNOB (TU) (US,Canadian,E92)		75	3-932-931-01	CABINET (REAR) (US,Canadian,AEP,UK,IT,EE,E92)	
61	3-932-935-21	KNOB (TU) (E)		75	3-932-931-11	CABINET (REAR) (E)	
61	3-932-935-31	KNOB (TU) (IT)		ANT1	1-501-388-11	ANTENNA, TELESCOPIC	
61	3-932-935-41	KNOB (TU) (EE)		Δ F901	1-532-235-00	FUSE (T315mA/250V) (E)	
62	3-932-936-01	KNOB (MONO-ST) (AEP,UK,IT,EE)		Δ F902	1-532-286-00	FUSE (T2.5A/250V) (AEP,UK,E,IT,EE)	
* 63	A-3305-602-A	TUNER BOARD, COMPLETE (AEP,UK)		Δ F902	1-576-107-11	FUSE (T3.15A/250V) (US,Canadian,E92)	
* 63	A-3305-671-A	TUNER BOARD, COMPLETE (E)		Δ T901	1-426-631-11	TRANSFORMER, POWER (US,Canadian,E92)	
* 63	A-3305-673-A	TUNER BOARD, COMPLETE (US,Canadian,E92)		Δ T901	1-426-632-11	TRANSFORMER, POWER (AEP,UK,IT,EE)	
* 63	A-3305-677-A	TUNER BOARD, COMPLETE (IT)		Δ T901	1-426-633-11	TRANSFORMER, POWER (E)	
* 63	A-3305-678-A	TUNER BOARD, COMPLETE (EE)					

5-3. CD SECTION



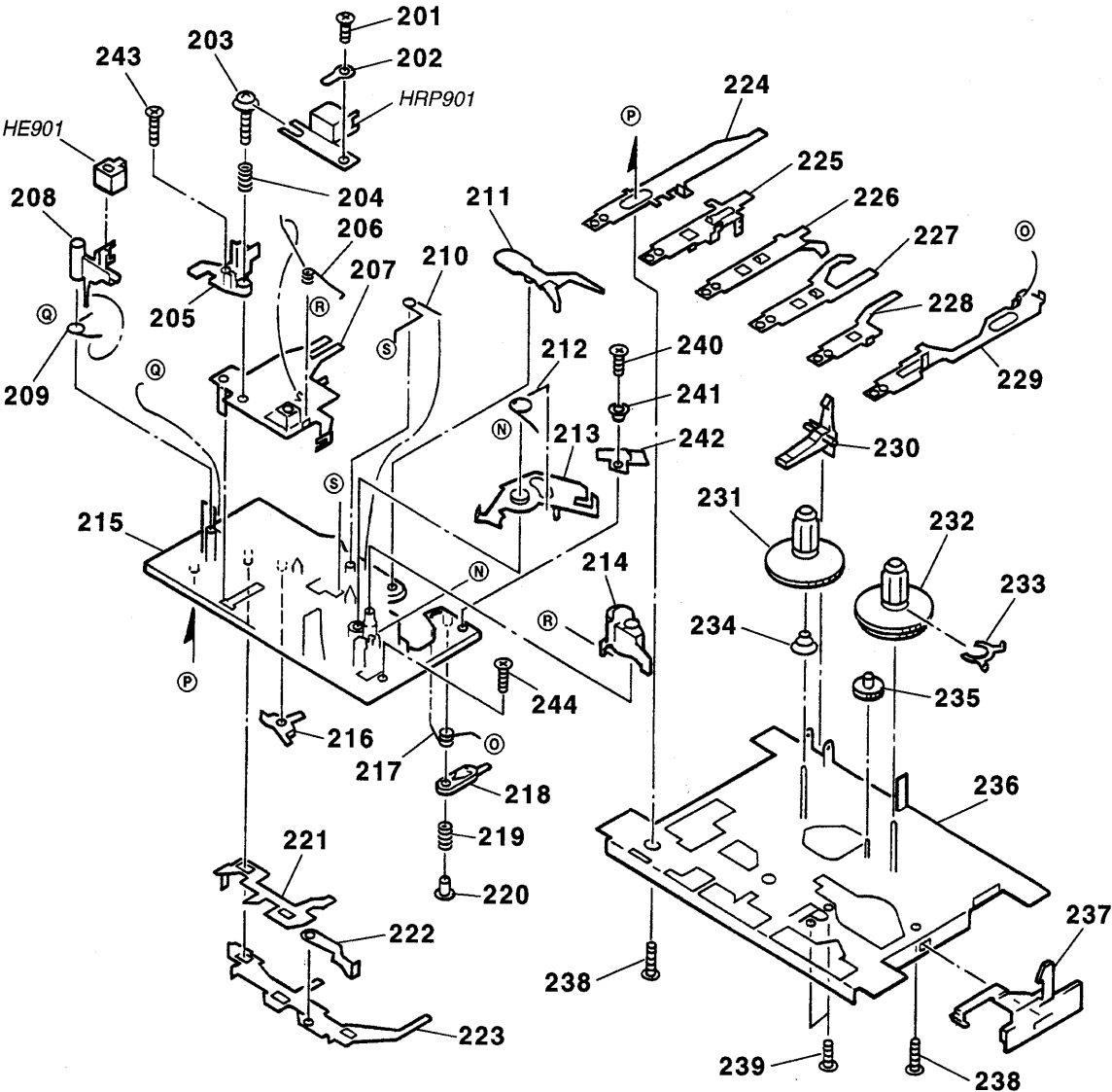
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
101	3-932-942-01	LID (CD)		108	3-910-095-01	RUBBER, VIBRATION PROOF	
102	1-452-732-11	MAGNET		109	3-910-095-11	RUBBER, VIBRATION PROOF	
* 103	A-3305-604-A	CD BOARD, COMPLETE		* 110	1-659-990-11	MOTOR BOARD	
104	3-932-940-01	SPRING (CD)		111	1-769-824-11	WIRE (FLAT TYPE) (16 CORE)	
105	3-932-941-01	CABINET (CD)		112	1-776-503-11	WIRE, PARALLEL (FFC) (16 CORE)	
106	3-351-377-11	DAMPER		S304	1-692-960-11	SWITCH, PUSH (1 KEY) (OPEN/CLOSE)	
107	3-910-116-01	COVER, CD					

**5-4. MECHANISM DECK SECTION-1
(MF-121)**



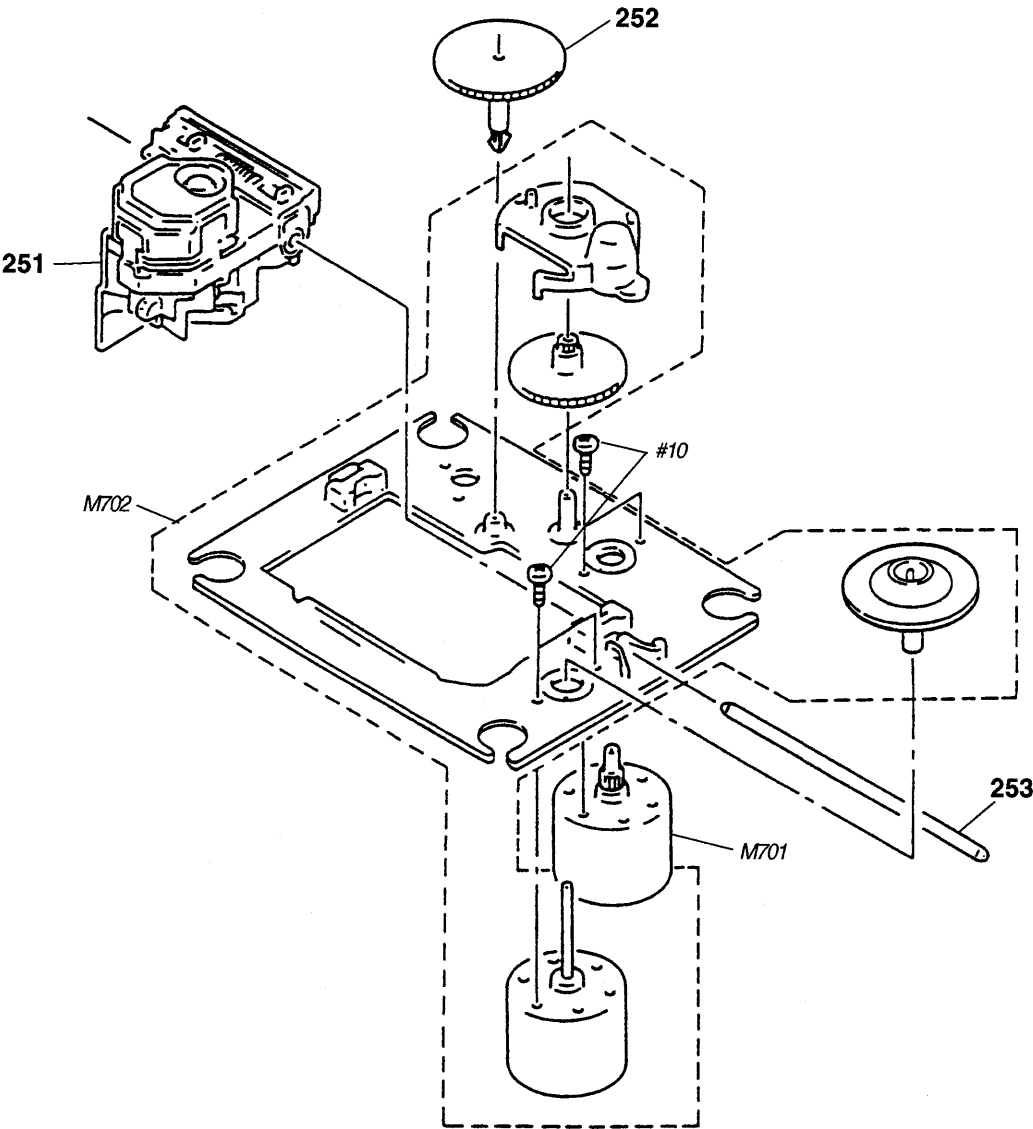
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	3-933-843-01	BELT, MAIN		162	3-933-840-01	BRACKET, MOTOR	
152	3-933-834-01	FLYWHEEL ASSY		163	3-933-841-01	SCREW, MOTOR COLLER	
153	3-933-833-01	BELT, RF		164	3-933-812-01	SPRING, P.S LEVER	
154	3-933-858-01	WASHER, P		165	3-933-815-01	SPRING, REC BUTTON LEVER	
155	3-933-811-01	SPRING, E ACTUATOR		166	3-933-846-01	SPRING, PACK	
156	3-933-856-01	CUT, P WASHER		167	3-933-849-01	SCREW (2X3), DELTITE	
157	3-933-831-01	GEAR, CAM		168	3-933-809-01	SPRING (A), BUTTON LEVER	
* 158	3-933-817-01	SPRING (S), PLAY BUTTON LEVER		169	3-933-859-01	WASHER, P	
159	3-933-832-01	CLUTCH ASSY, RF		170	3-933-842-01	PULLEY, MOTOR	
160	3-933-857-01	CUT, P WASHER		M601	1-698-727-11	MOTOR (EG-530AD-98) (REEL/CAPSTAN)	
161	3-933-844-01	SCREW, MB		S601	1-762-658-11	SWITCH, LEAF (MSW-1541T) (PLAY)	

5-5. 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					

5-6. OPTICAL PICK-UP BLOCK
(KSM-213BAN)



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
Δ 251	8-848-367-11	PICK-UP, OPTICAL KSS-213B/K		M701	X-2625-769-1	MOTOR GEAR ASSY (SLED)	
252	2-626-907-01	GEAR (A) (S)		M702	X-2625-770-1	MOTOR ASSY, SPINDLE	
253	2-626-908-01	SHAFT, SLED					

SECTION 6 ELECTRICAL PARTS LIST

CD

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
- Abbreviation
E92 : Central & South America model
IT : Italian model
EE : East European model

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u : μ , for example:
uA.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC..
uPD.. : μ PD..
- CAPACITORS
uF : μ F
- COILS
uH : μ H

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

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

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

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
*	A-3305-604-A	CD BOARD, COMPLETE *****					C748	1-162-294-31	CERAMIC	0.001uF	10%	50V	
							C796	1-164-159-21	CERAMIC	0.1uF		50V	
		< CAPACITOR >							< CONNECTOR >				
C701	1-162-302-11	CERAMIC	0.0022uF	30%	16V		CNP701	1-770-168-11	CONNECTOR, FFC/FPC 16P				
C702	1-136-165-00	FILM	0.1uF	5%	50V		* CNP702	1-580-167-11	PIN, CONNECTOR (PC BOARD) 6P				
C703	1-136-165-00	FILM	0.1uF	5%	50V		* CNP703	1-695-339-41	PIN, CONNECTOR (PC BOARD) 16P				
C704	1-136-165-00	FILM	0.1uF	5%	50V				< IC >				
C705	1-131-375-00	TANTALUM	4.7uF	10%	10V		IC701	8-752-069-56	IC CXA1782BQ				
C706	1-130-489-00	MYLAR	0.033uF	5%	50V		IC703	8-759-336-75	IC BA5930FP				
C707	1-130-486-00	MYLAR	0.018uF	10%	50V				< TRANSISTOR >				
C708	1-162-199-31	CERAMIC	10PF	5%	50V		Q701	8-729-801-84	TRANSISTOR 2SB1013-4				
C709	1-126-962-11	ELECT	3.3uF	20%	50V		Q703	8-729-900-74	TRANSISTOR DTC143TS				
C710	1-136-163-00	FILM	0.068uF	5%	50V				< RESISTOR >				
C711	1-162-215-31	CERAMIC	47PF	5%	50V		R700	1-249-429-11	CARBON	10K	5%	1/4W	
C713	1-130-489-00	MYLAR	0.033uF	5%	50V		R701	1-249-441-11	CARBON	100K	5%	1/4W	
C714	1-162-306-11	CERAMIC	0.01uF	30%	16V		R702	1-247-896-11	CARBON	510K	5%	1/4W	
C715	1-130-489-00	MYLAR	0.033uF	5%	50V		R703	1-249-441-11	CARBON	100K	5%	1/4W	
C716	1-136-169-00	FILM	0.22uF	5%	50V		R704	1-247-883-00	CARBON	150K	5%	1/4W	
C717	1-104-664-11	ELECT	47uF	20%	10V		R705	1-249-437-11	CARBON	47K	5%	1/4W	
C718	1-124-907-11	ELECT	10uF	20%	50V		R706	1-247-876-11	CARBON	75K	5%	1/4W	
C721	1-130-491-00	MYLAR	0.047uF	5%	50V		R707	1-249-432-11	CARBON	18K	5%	1/4W	
C722	1-161-494-00	CERAMIC	0.022uF		25V		R708	1-247-883-00	CARBON	150K	5%	1/4W	
C723	1-136-165-00	FILM	0.1uF	5%	50V		R709	1-247-862-11	CARBON	20K	5%	1/4W	
C724	1-126-923-11	ELECT	220uF	20%	10V		R710	1-249-393-11	CARBON	10	5%	1/4W	
C725	1-162-199-31	CERAMIC	10PF	5%	50V		R714	1-247-883-00	CARBON	150K	5%	1/4W	
C726	1-162-294-31	CERAMIC	0.001uF	10%	50V		R716	1-249-430-11	CARBON	12K	5%	1/4W	
C727	1-162-306-11	CERAMIC	0.01uF	30%	16V		R717	1-249-429-11	CARBON	10K	5%	1/4W	
C728	1-164-159-21	CERAMIC	0.1uF		50V		R718	1-247-899-11	CARBON	680K	5%	1/4W	
C729	1-104-664-11	ELECT	47uF	20%	10V		R720	1-247-891-00	CARBON	330K	5%	1/4W	
C730	1-124-472-11	ELECT	470uF	20%	10V		R722	1-249-439-11	CARBON	68K	5%	1/4W	
C731	1-162-294-31	CERAMIC	0.001uF	10%	50V		R723	1-249-440-11	CARBON	82K	5%	1/4W	
C732	1-130-484-00	MYLAR	0.012uF	5%	50V		R725	1-249-437-11	CARBON	47K	5%	1/4W	
C734	1-162-305-11	CERAMIC	0.0068uF	30%	16V		R726	1-249-429-11	CARBON	10K	5%	1/4W	
C736	1-126-923-11	ELECT	220uF	20%	10V		R728	1-249-429-11	CARBON	10K	5%	1/4W	
C737	1-162-282-31	CERAMIC	100PF	10%	50V		R730	1-249-435-11	CARBON	33K	5%	1/4W	
C738	1-162-282-31	CERAMIC	100PF	10%	50V								
C739	1-162-282-31	CERAMIC	100PF	10%	50V								
C747	1-130-483-00	MYLAR	0.01uF	5%	50V								

CD	CONTROL	MAIN
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Ref. No.	Part No.	Description			Remark
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)
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< 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

< CONNECTOR >

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

D801	8-719-048-80	LED SLR-342VRTK7 (OPR/BATT)
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< IC >

IC801	8-752-872-47	IC CXP5084H-680Q
IC802	8-759-256-72	IC PST994D

< LIQUID CRYSTAL DISPLAY >

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

Ref. No.	Part No.	Description			Remark
R807	1-249-417-11	CARBON	1K	5%	1/4W
R808	1-249-415-11	CARBON	680	5%	1/4W
R809	1-247-815-00	CARBON	220	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 (▷▷)
S805	1-571-760-11	SWITCH, KEY BOARD (▷)

S806	1-571-760-11	SWITCH, KEY BOARD (<<)
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*	A-3305-607-A	MAIN BOARD, COMPLETE (AEP,UK,E,IT,EE,E92)
*	A-3305-674-A	MAIN BOARD, COMPLETE (US,Canadian)

7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S
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< 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
C121	1-162-294-31	CERAMIC	0.001uF	10%	50V

C122	1-124-907-11	ELECT	10uF	20%	50V
C151	1-104-664-11	ELECT	47uF	20%	10V
C152	1-162-290-31	CERAMIC	470PF	10%	50V
C153	1-124-443-00	ELECT	100uF	20%	10V
C154	1-124-473-11	ELECT	1000uF	20%	10V

C155	1-130-495-00	MYLAR	0.1uF	5%	50V
C201	1-162-301-11	CERAMIC	0.0015uF	20%	16V
C202	1-104-664-11	ELECT	47uF	20%	10V
C203	1-161-020-11	CERAMIC	0.039uF	10%	16V
C204	1-162-302-11	CERAMIC	0.0022uF	20%	16V

C205	1-162-215-31	CERAMIC	47PF	5%	50V
C206	1-124-902-00	ELECT	0.47uF	20%	50V
C207	1-162-282-31	CERAMIC	100PF	10%	50V
C208	1-124-902-00	ELECT	0.47uF	20%	50V
C209	1-124-907-11	ELECT	10uF	20%	50V

Ref. No.	Part No.	Description			Remark
C210	1-162-842-11	CERAMIC	0.018uF	10%	16V
C211	1-162-843-11	CERAMIC	0.022uF	10%	16V
C215	1-124-903-11	ELECT	1uF	20%	50V
C218	1-124-250-11	ELECT	0.15uF	20%	50V
C220	1-126-963-11	ELECT	4.7uF	20%	50V
C221	1-162-294-31	CERAMIC	0.001uF	10%	50V
C222	1-124-907-11	ELECT	10uF	20%	50V
C251	1-104-664-11	ELECT	47uF	20%	10V
C252	1-162-290-31	CERAMIC	470PF	10%	50V
C253	1-124-443-00	ELECT	100uF	20%	10V
C254	1-124-473-11	ELECT	1000uF	20%	10V
C255	1-130-495-00	MYLAR	0.1uF	5%	50V
C301	1-104-664-11	ELECT	47uF	20%	10V
C302	1-126-923-11	ELECT	220uF	20%	10V
C303	1-162-282-31	CERAMIC	100PF	10%	50V
C304	1-126-923-11	ELECT	220uF	20%	10V
C305	1-162-302-11	CERAMIC	0.0022uF	20%	16V
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
C311	1-162-301-11	CERAMIC	0.0015uF	20%	16V
C312	1-104-664-11	ELECT	47uF	20%	10V
C313	1-130-481-00	MYLAR	0.0068uF	5%	50V
C314	1-104-664-11	ELECT	47uF	20%	10V
C315	1-104-664-11	ELECT	47uF	20%	10V
C316	1-124-907-11	ELECT	10uF	20%	50V
C320	1-124-907-11	ELECT	10uF	20%	50V
C330	1-124-907-11	ELECT	10uF	20%	50V
C331	1-124-903-11	ELECT	1uF	20%	50V
C341	1-126-937-11	ELECT	4700uF	20%	16V
C342	1-162-306-11	CERAMIC	0.01uF	30%	16V
C343	1-162-306-11	CERAMIC	0.01uF	30%	16V
C344	1-124-472-11	ELECT	470uF	20%	10V
C345	1-126-963-11	ELECT	4.7uF	20%	50V
C351	1-124-120-11	ELECT	220uF	20%	25V
C712	1-162-306-11	CERAMIC	0.01uF	30%	16V
C740	1-162-306-11	CERAMIC	0.01uF	30%	16V
C741	1-124-443-00	ELECT	100uF	20%	10V
C742	1-136-173-00	FILM	0.47uF	5%	50V
C743	1-162-290-31	CERAMIC	470PF	10%	50V
C744	1-162-286-21	CERAMIC	220PF	10%	50V
C745	1-136-169-00	FILM	0.22uF	5%	50V
C746	1-162-306-11	CERAMIC	0.01uF	30%	16V
C750	1-126-923-11	ELECT	220uF	20%	10V
C752	1-164-033-11	CERAMIC	39PF	5%	50V
C753	1-164-033-11	CERAMIC	39PF	5%	50V
C754	1-162-306-11	CERAMIC	0.01uF	30%	16V
C758	1-162-306-11	CERAMIC	0.01uF	30%	16V
C763	1-162-600-11	CERAMIC	0.0047uF	30%	16V

Ref. No.	Part No.	Description			Remark
C764	1-126-963-11	ELECT	4.7uF	20%	50V
C773	1-162-600-11	CERAMIC	0.0047uF	30%	16V
C774	1-126-963-11	ELECT	4.7uF	20%	50V
C780	1-124-443-00	ELECT	100uF	20%	10V
C781	1-162-306-11	CERAMIC	0.01uF	30%	16V
C782	1-162-306-11	CERAMIC	0.01uF	30%	16V
C783	1-162-306-11	CERAMIC	0.01uF	30%	16V
C784	1-130-495-00	MYLAR	0.1uF	5%	50V
C786	1-162-306-11	CERAMIC	0.01uF	30%	16V
C788	1-162-306-11	CERAMIC	0.01uF	30%	16V
C789	1-162-306-11	CERAMIC	0.01uF	30%	16V
C791	1-126-923-11	ELECT	220uF	20%	10V
C792	1-162-294-31	CERAMIC	0.001uF	10%	50V
C793	1-162-282-31	CERAMIC	100PF	10%	50V
C794	1-162-282-31	CERAMIC	100PF	10%	50V
C797	1-162-294-31	CERAMIC	0.001uF	10%	50V
< CONNECTOR >					
* CNP301	1-580-154-11	PIN, CONNECTOR (PC BOARD) 2P			
CNP302	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
CNP303	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
* CNP304	1-580-154-11	PIN, CONNECTOR (PC BOARD) 2P			
CNP305	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
CNP306	1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P			
* CNP703	1-695-339-41	PIN, CONNECTOR (PC BOARD) 16P			
* CNP704	1-695-339-41	PIN, CONNECTOR (PC BOARD) 16P			
< DIODE >					
D301	8-719-991-33	DIODE 1SS133T-77			
D302	8-719-991-33	DIODE 1SS133T-77			
D303	8-719-991-33	DIODE 1SS133T-77			
D304	8-719-991-33	DIODE 1SS133T-77			
D305	8-719-991-33	DIODE 1SS133T-77			
D306	8-719-991-33	DIODE 1SS133T-77			
D307	8-719-991-33	DIODE 1SS133T-77			
D309	8-719-991-33	DIODE 1SS133T-77			
D310	8-719-059-42	LED SLR-342DUTB7 (MEGA BASS)			
D311	8-719-109-97	DIODE RD6.8ES-B2			
D312	8-719-109-89	DIODE RD5.6ESB2			
D314	8-719-991-33	DIODE 1SS133T-77			
D315	8-719-991-33	DIODE 1SS133T-77			
D316	8-719-991-33	DIODE 1SS133T-77			
D317	8-719-991-33	DIODE 1SS133T-77			
D318	8-719-991-33	DIODE 1SS133T-77			
D319	8-719-991-33	DIODE 1SS133T-77			
D320	8-719-991-33	DIODE 1SS133T-77			
D790	8-719-991-33	DIODE 1SS133T-77			
D791	8-719-991-33	DIODE 1SS133T-77			

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< COIL >				< RESISTOR >			
FB704	1-410-515-11	INDUCTOR 33uH		Q310	8-729-011-92	TRANSISTOR 2SC2001TP-K1K2	
FB706	1-410-509-11	INDUCTOR 10uH		Q311	8-729-011-92	TRANSISTOR 2SC2001TP-K1K2	
< IC >				Q313	8-729-194-57	TRANSISTOR 2SC945-P	
IC301	8-759-264-71	IC TA2068N		< RESISTOR >			
IC302	8-759-634-51	IC M5218AP		R101	1-249-431-11	CARBON 15K 5% 1/4W	
IC304	8-759-820-22	IC LA4597		R102	1-249-404-00	CARBON 82 5% 1/4W	
IC702	8-752-372-94	IC CXD2507AQ		R103	1-249-441-11	CARBON 100K 5% 1/4W	
IC704	8-759-364-34	IC SM5877AM-E2		R104	1-249-423-11	CARBON 3.3K 5% 1/4W	
< JACK >				R105	1-249-436-11	CARBON 39K 5% 1/4W	
J301	1-566-891-11	JACK (HEADPHONES)		R106	1-249-421-11	CARBON 2.2K 5% 1/4W	
< CAPACITOR >				R109	1-249-429-11	CARBON 10K 5% 1/4W	
JW758	1-162-306-11	CERAMIC 0.01uF 30% 16V		R110	1-249-419-11	CARBON 1.5K 5% 1/4W	
< CABLE HOLDER >				R111	1-249-427-11	CARBON 6.8K 5% 1/4W	
* KH704	1-573-287-11	HOLDER, CABLE 2P		R112	1-249-417-11	CARBON 1K 5% 1/4W	
< COIL >				R116	1-247-895-00	CARBON 470K 5% 1/4W	
L101	1-414-142-11	INDUCTOR 1uH		R117	1-249-417-11	CARBON 1K 5% 1/4W	
L102	1-410-509-11	INDUCTOR 10uH		R118	1-249-429-11	CARBON 10K 5% 1/4W	
L151	1-414-138-11	INDUCTOR 0.33uH		R119	1-249-417-11	CARBON 1K 5% 1/4W	
L201	1-414-142-11	INDUCTOR 1uH		R121	1-249-417-11	CARBON 1K 5% 1/4W	
L202	1-410-509-11	INDUCTOR 10uH		R122	1-249-419-11	CARBON 1.5K 5% 1/4W	
L251	1-414-138-11	INDUCTOR 0.33uH		R123	1-249-441-11	CARBON 100K 5% 1/4W	
L301	1-414-142-11	INDUCTOR 1uH		R128	1-249-425-11	CARBON 4.7K 5% 1/4W	
L302	1-410-517-11	INDUCTOR 47uH		R153	1-247-807-11	CARBON 100 5% 1/4W	
L303	1-410-517-11	INDUCTOR 47uH		R154	1-247-807-11	CARBON 100 5% 1/4W	
L304	1-410-517-11	INDUCTOR 47uH		R201	1-249-431-11	CARBON 15K 5% 1/4W	
L351	1-414-138-11	INDUCTOR 0.33uH		R202	1-249-404-00	CARBON 82 5% 1/4W	
< TRANSISTOR >				R203	1-249-441-11	CARBON 100K 5% 1/4W	
Q101	8-729-206-28	TRANSISTOR RN1210		R204	1-249-423-11	CARBON 3.3K 5% 1/4W	
Q102	8-729-194-57	TRANSISTOR 2SC945-P		R205	1-249-436-11	CARBON 39K 5% 1/4W	
Q201	8-729-206-28	TRANSISTOR RN1210		R206	1-249-421-11	CARBON 2.2K 5% 1/4W	
Q202	8-729-194-57	TRANSISTOR 2SC945-P		R209	1-249-429-11	CARBON 10K 5% 1/4W	
Q301	8-729-281-53	TRANSISTOR 2SC1815-GR		R210	1-249-419-11	CARBON 1.5K 5% 1/4W	
Q302	8-729-011-92	TRANSISTOR 2SC2001TP-K1K2		R211	1-249-427-11	CARBON 6.8K 5% 1/4W	
Q303	8-729-011-92	TRANSISTOR 2SC2001TP-K1K2		R212	1-249-417-11	CARBON 1K 5% 1/4W	
Q304	8-729-206-72	TRANSISTOR RN2201TPE4		R217	1-249-417-11	CARBON 1K 5% 1/4W	
Q305	8-729-206-28	TRANSISTOR RN1201		R218	1-249-429-11	CARBON 10K 5% 1/4W	
Q306	8-729-206-28	TRANSISTOR RN1201		R219	1-249-417-11	CARBON 1K 5% 1/4W	
Q307	8-729-119-76	TRANSISTOR 2SA1175-HFE		R221	1-249-417-11	CARBON 1K 5% 1/4W	
Q308	8-729-206-28	TRANSISTOR RN1201		R222	1-249-419-11	CARBON 1.5K 5% 1/4W	
Q309	8-729-021-82	TRANSISTOR 2SD2396K		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	1-247-863-00	CARBON 22K 5% 1/4W	
				R304	1-249-429-11	CARBON 10K 5% 1/4W	

MAIN	MOTOR	POWER
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Ref. No.	Part No.	Description			Remark
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 (US,Canadian)
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
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

Ref. No.	Part No.	Description			Remark
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)			

*	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

POWER

REC SW

TUNER

Ref. No.	Part No.	Description	Remark
< AC INLET >			
△ CNJ901	1-526-818-11	INLET, AC (~ AC IN) (E92)	
△ CNJ901	1-526-838-11	INLET, AC 2P (~ AC IN) (AEP,UK,E,IT,EE)	
△ CNJ901	1-540-009-11	INLET, AC (~ AC IN) (US,Canadian)	
< FUSE HOLDER >			
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) (E)	
△ F902	1-532-286-00	FUSE (T2.5A/250V) (AEP,UK,E,IT,EE)	
△ F902	1-576-107-11	FUSE (T3.15A/250V) (US,Canadian,E92)	
< CABLE HOLDER >			
* KH901	1-573-287-11	HOLDER, CABLE 2P	
< FERRITE BEAD >			
FB901	1-410-397-21	FERRITE BEAD INDUCTOR 1.1uH(EXCEPT E,E92)	
FB902	1-410-397-21	FERRITE BEAD INDUCTOR 1.1uH(EXCEPT E,E92)	
< SWITCH >			
△ S901	1-572-290-11	SWITCH, POWER (VOLTAGE CHANGE) (VOLTAGE SELECTOR) (E)	
< TRANSFORMER >			
△ T901	1-426-631-11	TRANSFORMER, POWER (US,Canadian,E92)	
△ T901	1-426-632-11	TRANSFORMER, POWER (AEP,UK,IT,EE)	
△ T901	1-426-633-11	TRANSFORMER, POWER (E)	

*	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)	

Ref. No.	Part No.	Description	Remark
*	A-3305-602-A	TUNER BOARD, COMPLETE (AEP,UK)	
*	A-3305-671-A	TUNER BOARD, COMPLETE (E)	
*	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)	

< 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	1-162-199-31	CERAMIC	10PF 5% 50V
(EE)			
C5	1-162-207-31	CERAMIC	22PF 5% 50V
(US,Canadian,E92)			
C5	1-162-208-31	CERAMIC	24PF 5% 50V
(E)			
C5	1-162-209-31	CERAMIC	27PF 5% 50V
(AEP,UK,IT)			
C6	1-102-949-00	CERAMIC	12PF 5% 50V
(EE)			
C6	1-102-958-00	CERAMIC	20PF 5% 50V
(IT)			
C6	1-102-960-00	CERAMIC	24PF 5% 50V
(US,Canadian,E,E92)			
C6	1-102-961-00	CERAMIC	27PF 5% 50V
(AEP,UK)			
C7	1-162-197-31	CERAMIC	6.8PF 10% 50V
(US,Canadian,E92)			
C7	1-162-198-31	CERAMIC	8.2PF 10% 50V
(AEP,UK,E,EE)			
C7	1-162-199-31	CERAMIC	10PF 5% 50V
(IT)			
C8	1-162-193-31	CERAMIC	3.3PF 10% 50V
C9	1-162-306-11	CERAMIC	0.01uF 30% 16V
C10	1-162-306-11	CERAMIC	0.01uF 30% 16V
C11	1-126-963-11	ELECT	4.7uF 20% 50V
C12	1-124-903-11	ELECT	1uF 20% 50V
C13	1-104-664-11	ELECT	47uF 20% 10V
C14	1-124-443-00	ELECT	100uF 20% 10V
C15	1-162-306-11	CERAMIC	0.01uF 30% 16V
C16	1-126-961-11	ELECT	2.2uF 20% 50V
C17	1-124-443-00	ELECT	100uF 20% 10V
C18	1-161-053-00	CERAMIC	0.015uF 10% 50V
(US,Canadian,E92)			
C18	1-162-839-11	CERAMIC	0.01uF 10% 16V
(AEP,UK,E,IT,EE)			

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
C19	1-161-053-00	CERAMIC	0.015uF 10% 50V (US,Canadian,E92)	L2	1-460-350-11	COIL (WITH CORE) (EE)	
C19	1-162-839-11	CERAMIC	0.01uF 10% 16V (AEP,UK,E,IT,EE)	L3	1-402-577-11	ANTENNA, FERRITE-ROD (MW)	(US,Canadian,E92)
C22	1-124-903-11	ELECT	1uF 20% 50V	L3	1-402-577-31	ANTENNA, FERRITE-ROD (MW)	(AEP,UK,E,IT,EE)
C23	1-124-902-00	ELECT	0.47uF 20% 50V	L4	1-406-040-61	COIL (OSC)	
C24	1-126-963-11	ELECT	4.7uF 20% 50V	L5	1-410-509-11	INDUCTOR 10uH	
C34	1-162-294-31	CERAMIC	0.001uF 10% 50V (US,Canadian,E92)	< TRANSISTOR >			
C35	1-162-294-31	CERAMIC	0.001uF 10% 50V (US,Canadian,E92)	Q1	8-729-206-57	TRANSISTOR RN1201TPE4	
C36	1-162-294-31	CERAMIC	0.001uF 10% 50V (US,Canadian,E92)	< RESISTOR >			
C37	1-162-294-31	CERAMIC	0.001uF 10% 50V (US,Canadian,E92)	R2	1-249-421-11	CARBON 2.2K	5% 1/4W
C38	1-162-199-31	CERAMIC	10PF 5% 50V (IT)	R3	1-249-441-11	CARBON 100K	5% 1/4W
< FILTER >				R5	1-249-429-11	CARBON 10K	5% 1/4W
CF1	1-760-238-91	FILTER, CERAMIC		R7	1-249-403-11	CARBON 68	5% 1/4W
CF3	1-760-238-91	FILTER, CERAMIC		R8	1-249-427-11	CARBON 6.8K	5% 1/4W
< ENCAPSULATED COMPONENT >				R9	1-249-427-11	CARBON 6.8K	5% 1/4W
CFT1	1-239-724-11	ENCAPSULATED COMPONENT		R10	1-249-435-11	CARBON 33K	5% 1/4W (AEP,UK,IT,EE)
< VARIABLE CAPACITOR >				R11	1-247-887-00	CARBON 220K	5% 1/4W
CT1-4	1-151-695-11	CAP, VAR (TUNING) (AEP,UK,E,IT)		R12	1-249-421-11	CARBON 2.2K	5% 1/4W
CV1-4	1-151-695-11	CAP, VAR (TUNING) (AEP,UK,E,IT)		R13	1-247-807-11	CARBON 100	5% 1/4W
CT1-4	1-151-696-11	CAP, VAR (TUNING) (US,Canadian,E92)		R14	1-249-411-11	CARBON 330	5% 1/4W (EXCEPT EE)
CV1-4	1-151-696-11	CAP, VAR (TUNING) (US,Canadian,E92)		R14	1-249-413-11	CARBON 470	5% 1/4W (EE)
CT1-4	1-151-697-11	CAP, VAR (TUNING) (EE)		R15	1-247-887-00	CARBON 220K	5% 1/4W
CV1-4	1-151-697-11	CAP, VAR (TUNING) (EE)		R16	1-249-423-11	CARBON 3.3K	5% 1/4W (US,Canadian,E92)
< DIODE >				R17	1-249-413-11	CARBON 470	5% 1/4W (EE)
D1	8-719-991-33	DIODE 1SS133T-77		R18	1-249-409-11	CARBON 220	5% 1/4W (EXCEPT US,Canadian,E92)
D2	8-719-991-33	DIODE 1SS133T-77		< VARIABLE RESISTOR >			
< IC >				RV1	1-241-765-11	RES, ADJ, CARBON 22K	
IC1	8-752-050-20	IC CXA1238S		< SWITCH >			
< CABLE HOLDER >				SW1	1-692-928-11	SWITCH, SLIDE (STEREO/MONO) (AEP,UK,IT,EE)	
* KH1	1-565-386-11	HOLDER, CABLE 5P		*****			
< COIL >							
L1	1-406-998-11	COIL, AIR-CORE (EXCEPT EE)					
L1	1-409-776-11	COIL, AIR-CORE (EE)					
L2	1-406-957-11	COIL (WITH CORE) (IT)					
L2	1-411-387-11	COIL, AIR-CORE (AEP,UK)					
L2	1-422-230-11	COIL, AIR-CORE (US,Canadian,E,E92)					

Ref. No.	Part No.	Description	Remark
		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	8-848-367-11	PICK-UP, OPTICAL KSS-213B/K	
ANT1	1-501-388-11	ANTENNA, TELESCOPIC	
△ F901	1-532-235-00	FUSE (T315mA/250V) (E)	
△ F902	1-532-286-00	FUSE (T2.5A/250V) (AEP,UK,E,IT,EE)	
△ F902	1-576-107-11	FUSE (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	1-698-727-11	MOTOR (EG-530AD-98) (REEL/CAPSTAN)	
M701	X-2625-769-1	MOTOR GEAR ASSY (SLED)	
M702	X-2625-770-1	MOTOR ASSY, SPINDLE	
S304	1-692-960-11	SWITCH, PUSH (1 KEY) (OPEN/CLOSE)	
S601	1-762-658-11	SWITCH, LEAF (MSW-1541T) (PLAY)	
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,IT,EE)	
△ T901	1-426-633-11	TRANSFORMER, POWER (E)	

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

△	1-551-983-00	CORD, POWER (E)	
△	1-557-287-11	CORD, POWER (E92)	
△	1-569-007-11	ADAPTOR, CONVERSION 2P (E)	
△	1-690-952-21	CORD, POWER (US,Canadian)	
△	1-751-214-11	CORD, POWER (UK)	
△	1-769-412-11	CORD, POWER (AEP,IT,EE)	
	3-810-648-11	MANUAL, INSTRUCTION (ENGLISH,GERMAN)	
		(AEP,UK,E,EE)	
	3-810-648-21	MANUAL, INSTRUCTION (FRENCH,SPANISH)	
		(AEP,E)	
	3-810-648-31	MANUAL, INSTRUCTION (DUTCH,SWEDISH,	
		PORTUGUESE) (AEP)	
	3-810-648-41	MANUAL, INSTRUCTION (ITALIAN) (IT)	
	3-810-648-51	MANUAL, INSTRUCTION (ENGLISH)	
		(US,Canadian,E92)	
	3-810-648-61	MANUAL, INSTRUCTION (FRENCH) (Canadian)	
	3-810-648-71	MANUAL, INSTRUCTION (SPANISH) (E92)	
	3-810-648-81	MANUAL, INSTRUCTION (POLISH,RUSSIAN) (EE)	
*	3-932-831-01	CUSHION (L)	
*	3-932-832-01	CUSHION (R)	
*	3-932-843-01	CARTON, INDIVIDUAL (US)	
*	3-932-844-01	CARTON, INDIVIDUAL (Canadian)	
*	3-932-845-01	CARTON, INDIVIDUAL (E,E92)	
*	3-932-846-01	CARTON, INDIVIDUAL (AEP,UK,IT,EE)	

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

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△ or dotted line with mark. △ are
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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-121

SONY® SERVICE MANUAL

*US Model
Canadian Model
AEP Model
UK Model
E Model*

SUPPLEMENT-1

File this supplement with the service manual.

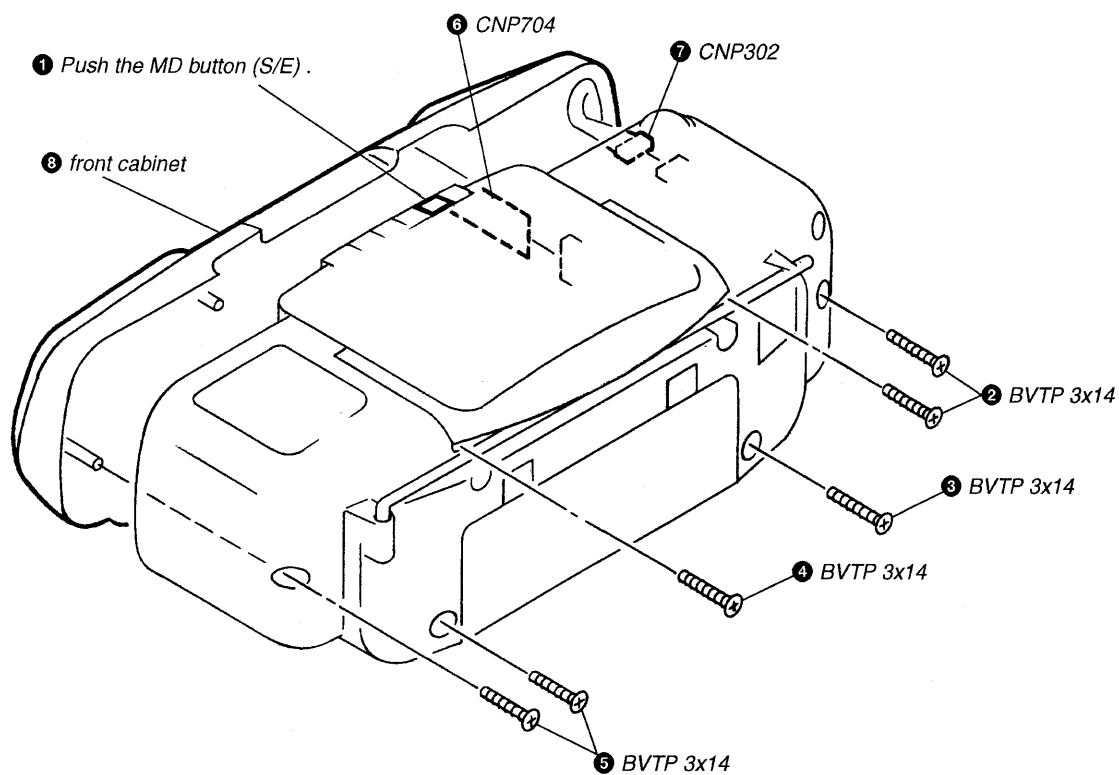
Subject :

1. DISASSEMBLY
2. CIRCUIT BOARDS LOCATION

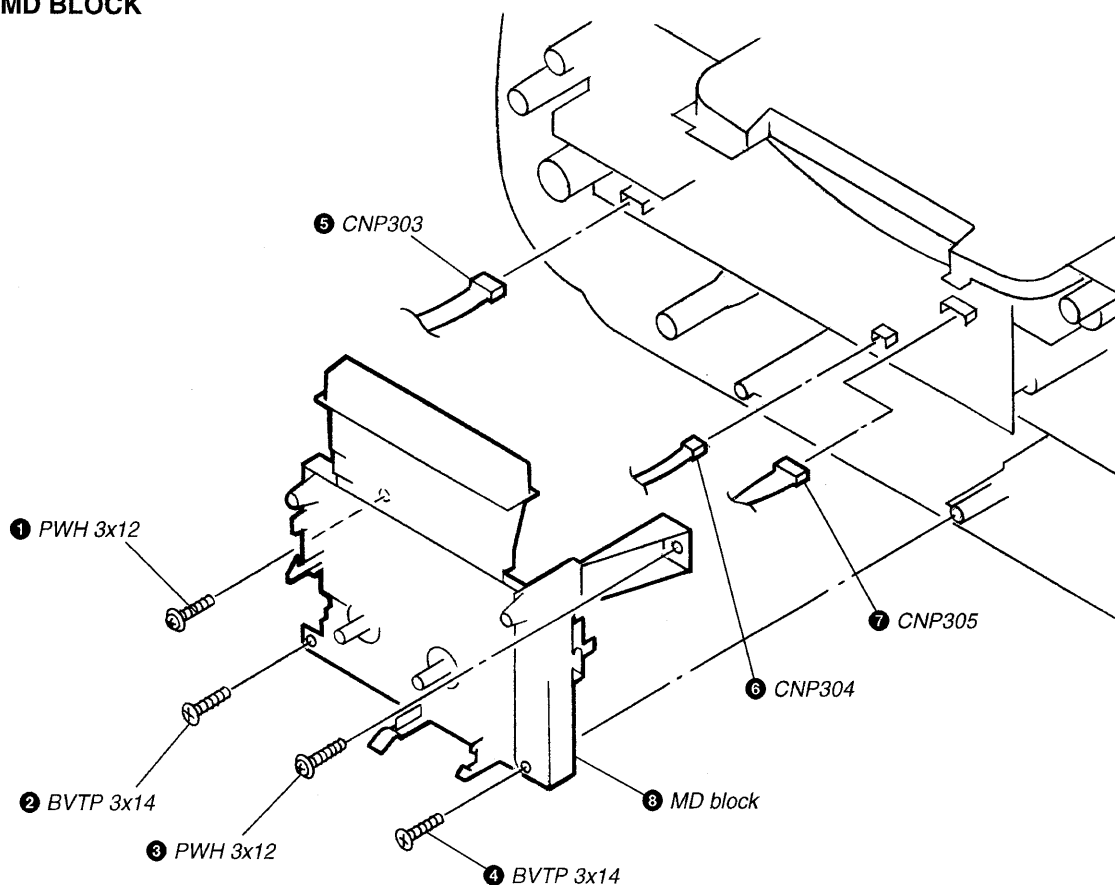
1. DISASSEMBLY

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

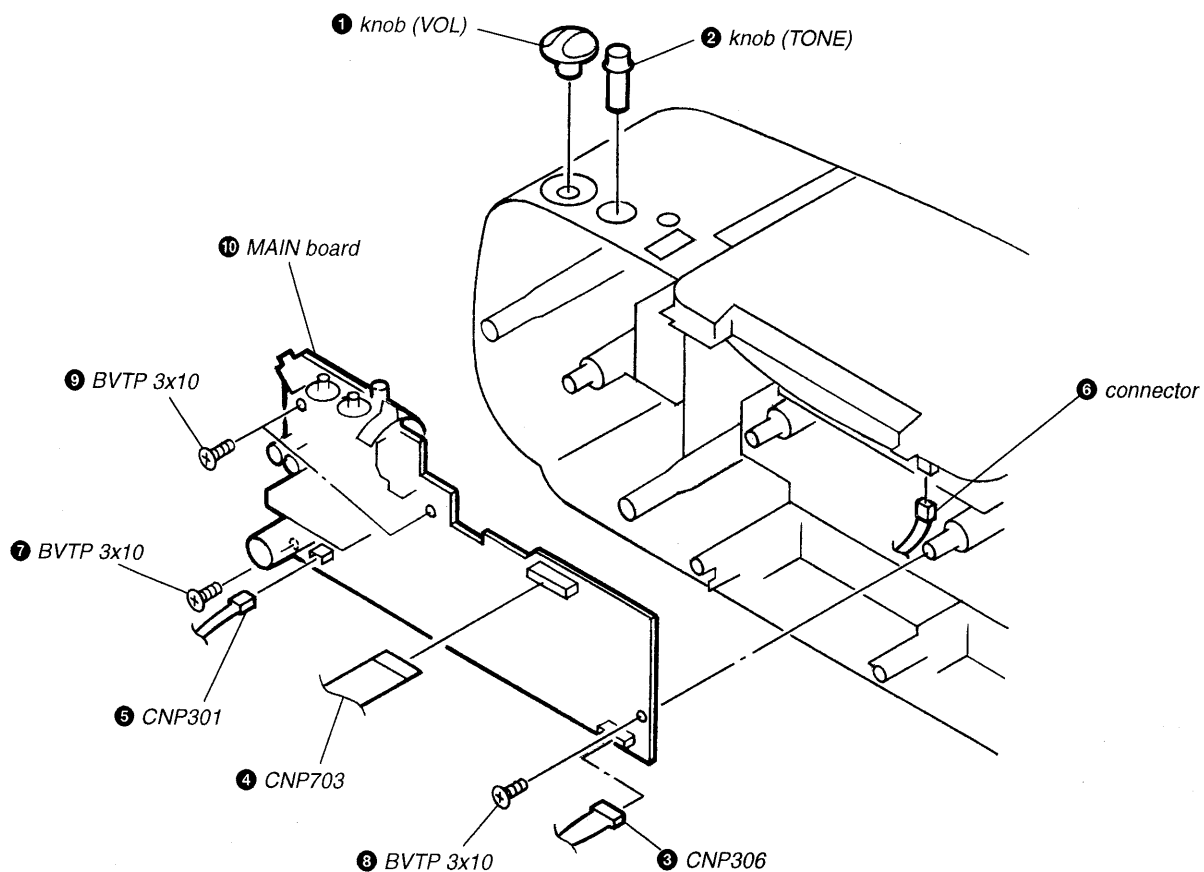
1-1. FRONT CABINET



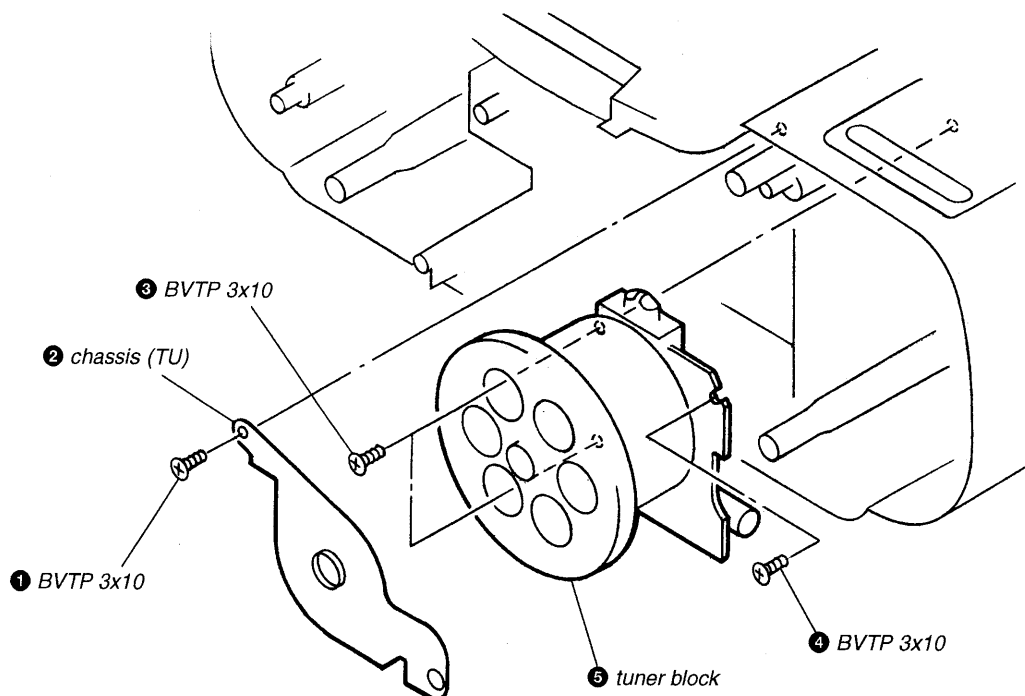
1-2. MD BLOCK



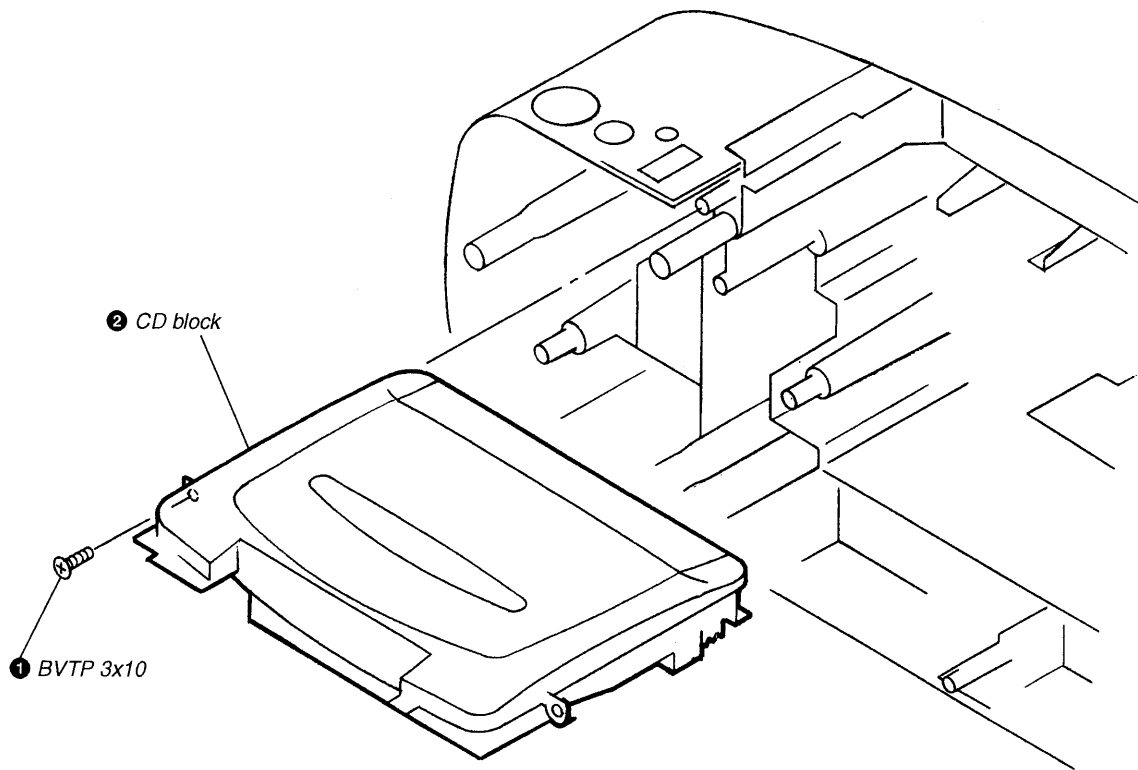
1-3. MAIN BOARD



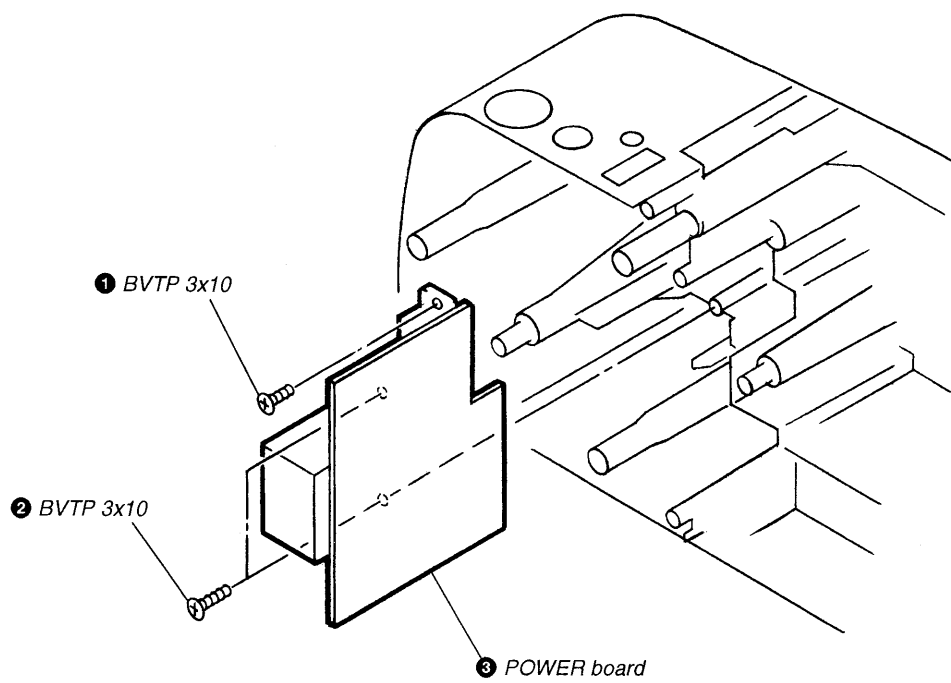
1-4. TUNER BLOCK



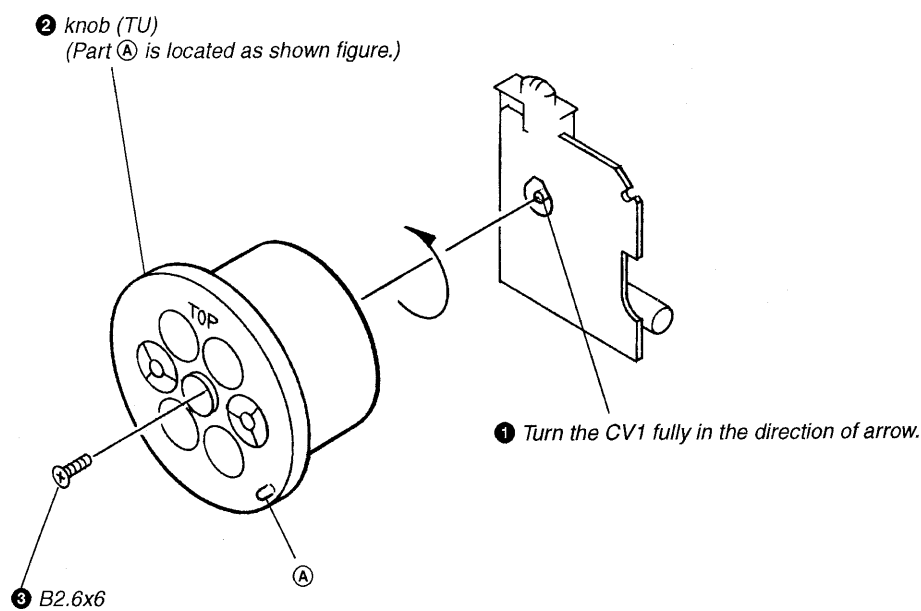
1-5. CD BLOCK



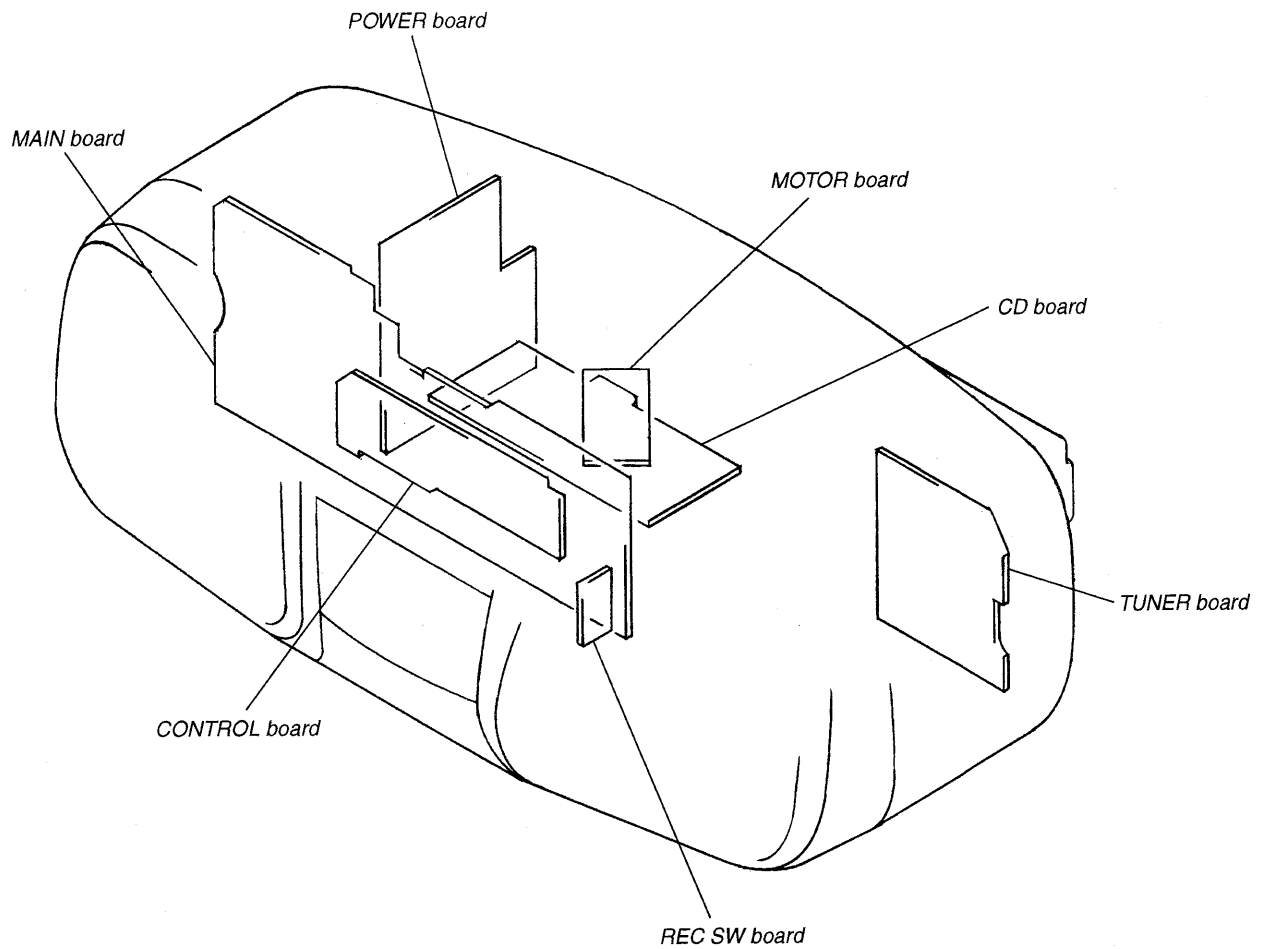
1-6. POWER BOARD



1-7. KNOB (TU) SETTING



2. CIRCUIT BOARDS LOCATION



CFD-121

SONY

SERVICE MANUAL

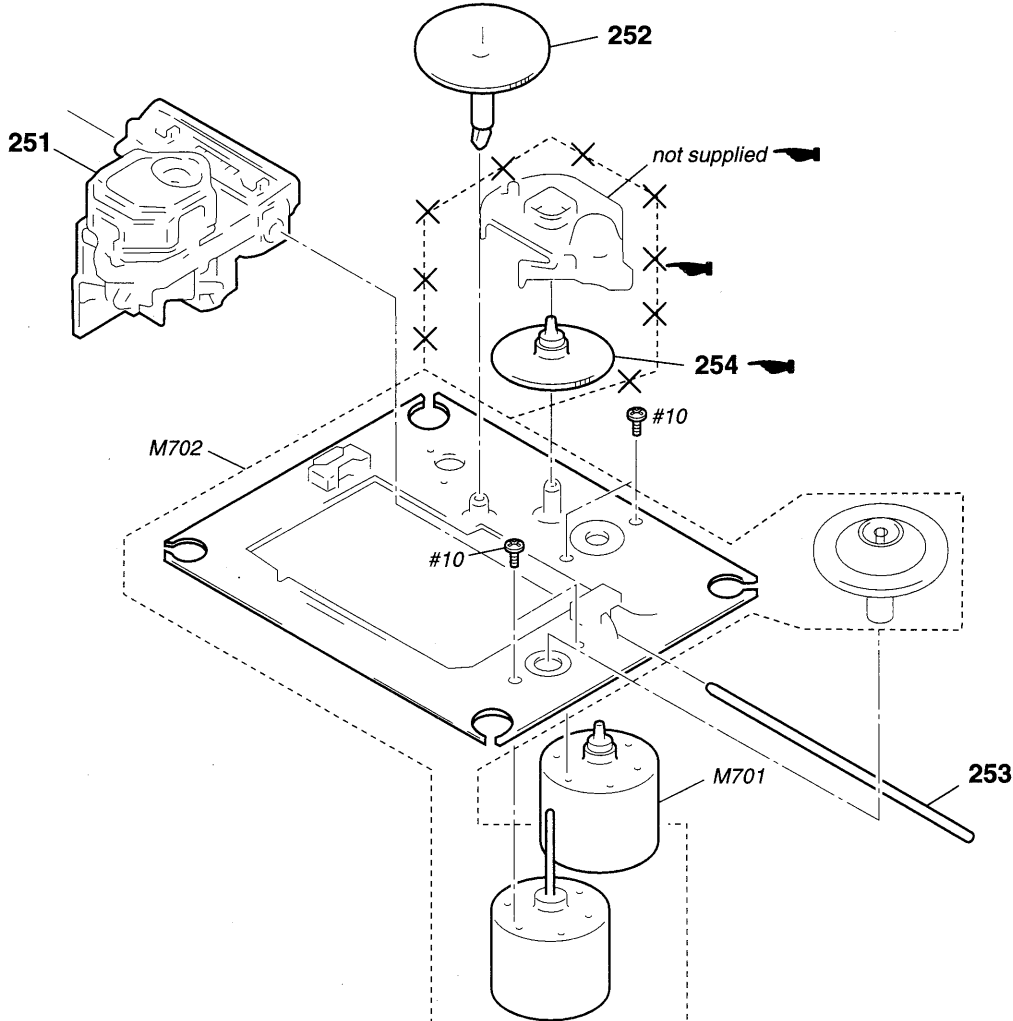
US Model
Canadian Model
AEP Model
UK Model
E Model

CORRECTION - 1

Correct your Service Manual as shown below.

5-6. OPTICAL PICK-UP SECTION (KSM-213BAN)

• : Correct portion

Page	Ref.No.	INCORRECT		CORRECT	
		Part No.	Description	Part No.	Description
38	254			2-627-003-01	GEAR (B) (RP)
					

(SPM-97032)