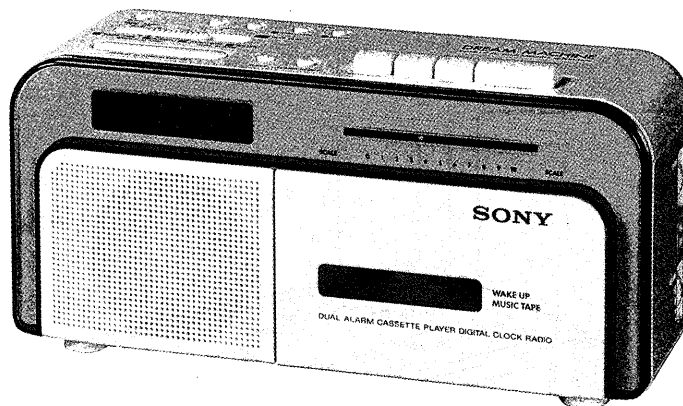


ICF-C600L

SERVICE MANUAL

AEP Model
UK Model



SPECIFICATION

Radio section	
Frequency range	FM: 87.6–107.5MHz MW: 531–1,602kHz LW: 153–255kHz
Antennas	FM: FM wire antenna MW/LW: Built-in ferrite bar antenna
Tape player section and general	
Track system	2-track, 1-channel, monaural
Frequency response	50 Hz – 10,000 Hz with normal (TYPE I) tapes
Speaker	Approx. 7.7 cm (3 inches) dia.
Power output	Radio section 300 mW (at 10% harmonic distortion) Player section 240 mW (at 10% harmonic distortion)
Power requirements	220V AC, 50Hz (AEP model) 240V AC, 50Hz (UK model) For the power backup function: 9V DC, one 6F22 battery
Battery life	Approx. 80 hours, using Sony battery S-006P(U)
Dimensions	Approx. 272 × 134 × 105 mm (w/h/d) (10 ³ / ₄ × 5 ¹ / ₈ × 4 ¹ / ₄ inches) incl. projecting parts and controls
Weight	Approx. 1.5 kg (3 lb 5 oz) not incl. battery
Design and specifications subject to change without notice.	

FEATURES

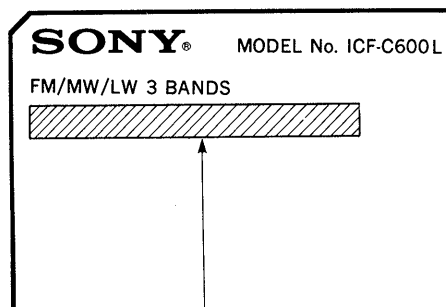
- Dual alarm cassette player and FM/MW/LW electronic digital alarm clock radio with sleep timer combined.
- Choice of awakening to radio alarm, tape alarm, buzzer alarm, or dual alarm: Alarm [A] (radio or tape) and [B] (buzzer).
- 24-hour alarm preset system automatically turns alarm on at same time each day.
- REPEAT ALARM/SLEEP OFF, operable with a feather-light touch, offers functions; snooze alarm and sleep timer turn off.

Model Name Using Similar Mechanism	New
Tape Transport Mechanism Type	MF-C600, M

24-hour system (AEP model)	12-hours system (UK model)
0: 00=midnight 12: 00=noon	AM 12: 00=midnight PM 12: 00=noon

MODEL IDENTIFICATION

—Model Number Label—

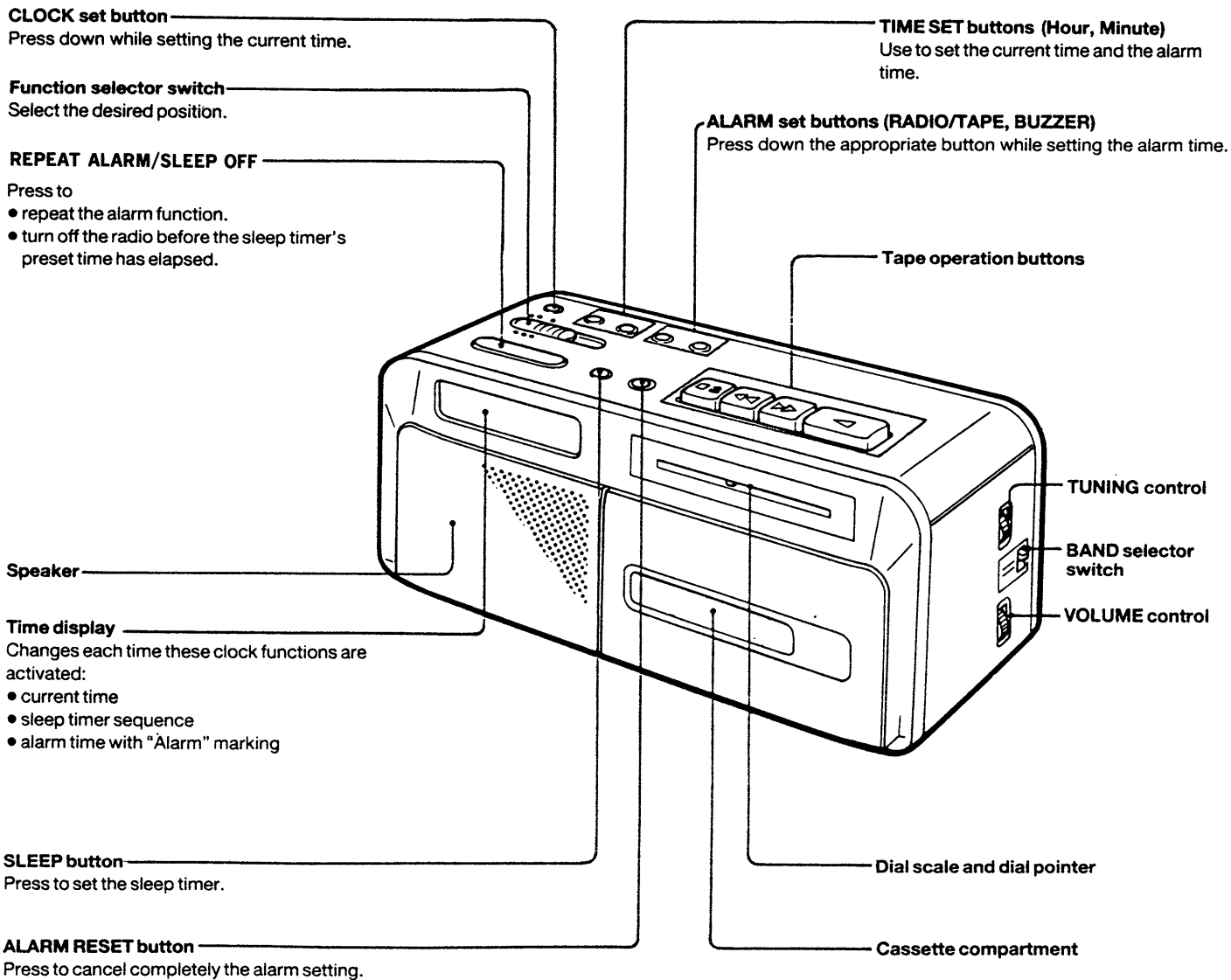


AEP model: AC: 220V~50Hz 7W
UK model: AC: 240V~50Hz 7W

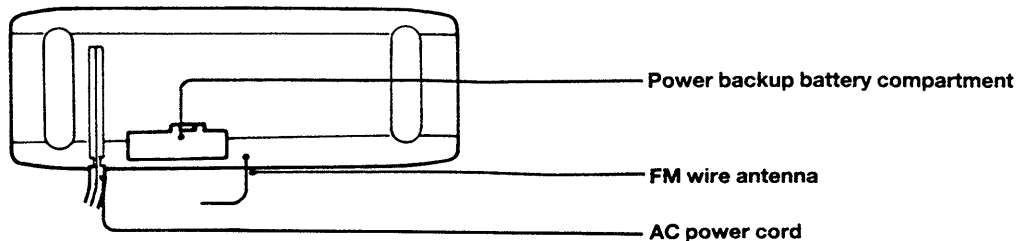
DUAL ALARM CASSETTE PLAYER
FM/MW/LW DIGITAL CLOCK RADIO
SONY[®]



**SECTION 1
GENERAL**

Location and Function of Controls

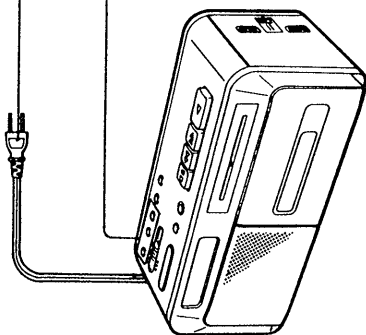


Bottom



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

How to Set the Clock



1 Connect the AC power cord to a wall outlet. Figures will appear and begin to blink.

2 Adjust the clock to the current time with the TIME SET buttons, H (hour) and M (minute), while holding down the CLOCK set button.

24-hour system (AEP model)	12-hours system (UK model)
0 : 00 = midnight	AM 12 : 00 = midnight
12 : 00 = noon	PM 12 : 00 = noon

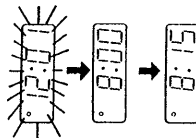
The hour and minute digits advance independently. The minute digits return to "00" after reaching "59".

Zero second adjustment

Example: To set to 8:15.

- 1 Adjust the time to 8:14 as previously described.
- 2 Press CLOCK set button and M button simultaneously with the radio or telephone time signal, and then release.

Example: To set to 8 : 15. (24-hour system)



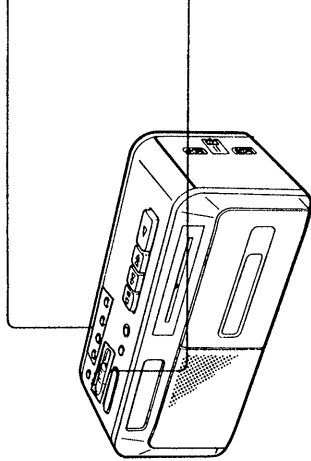
To advance the hour and the minute digits rapidly
Press the H or the M button continuously while holding down the CLOCK set button.

How to Use the Sleep Timer

- 1** Set to position other than RADIO ON.
- 2** Press SLEEP to set the sleep timer operation time. The radio will be turned on for 59 minutes. Keep the SLEEP button pressed to reduce the time sequence by one minute.

Diagram showing the sleep timer sequence: 59, 58, 00.
- 3** Tune in the desired station.
- 4** Adjust volume.

How to Set the Alarm



1 Set the alarm time for radio/tape or buzzer. Set the radio/tape alarm time with TIME SET H and M while holding down ALARM [A] RADIO/TAPE. Set the buzzer alarm time with TIME SET H and M while holding down ALARM [B] BUZZER.

To advance the digits rapidly
Press the H or the M button continuously while holding down the ALARM set button.

2 Set the function selector switch to the desired alarm position: SINGLE ALARM [A] RADIO/TAPE, SINGLE ALARM [B] BUZZER or DUAL ALARM [C] RADIO/TAPE [B] BUZZER.

For radio alarm
Tune in the desired station and adjust volume as described in "Radio Operation".

For tape alarm
Play back a recorded tape and adjust volume as described in "Tape Playback". Leave the PLAY (STAND BY) button pressed.

At the preset time, playback will start automatically. To stop the tape, press STOP/EJECT [E].

When the tape reaches its end and if the alarm duration still remains, the alarm shifts from tape to radio.

For dual alarm

If you set the radio/tape and the buzzer at the same time, only the radio/tape sound will be heard. If the buzzer alarm is set to the time before the radio/tape alarm stops, the alarm shifts from radio/tape to buzzer at the alarm preset time.

The radio, tape or buzzer will automatically sound at the preset time, and automatically turn itself off after 59 minutes, unless it is turned off manually.

To turn off the alarm manually, press the ALARM RESET button. The alarm will sound at the regular preset time on the following day.

Notes

- The buzzer sound level is fixed, and independent of the VOLUME control.
- You can set the buzzer alarm and listen to the radio or tape. At the preset time, the buzzer and the radio or tape will sound simultaneously.

Snooze Alarm Function

If you awake to the radio/tape or buzzer but want to doze for a few more minutes, just lightly press the REPEAT ALARM/SLEEP OFF. The radio/tape or buzzer will be silenced but will automatically come on again after about eight minutes. If you want to doze more, press the bar again.

Notes

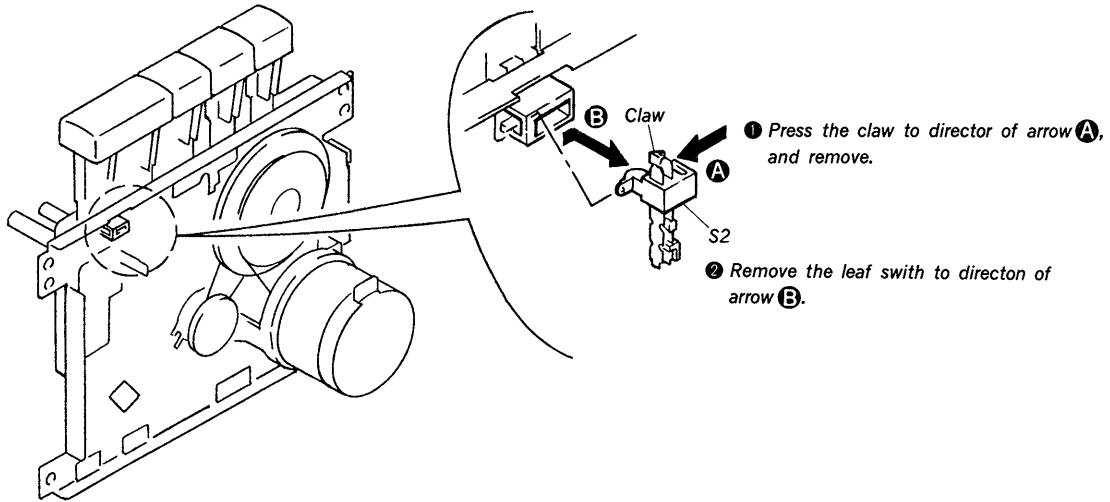
- You can reset the alarm time while activating the snooze function.
- To cancel the alarm before the alarm time, set the function selector switch to RADIO OFF.
- To read out instantly the alarm preset time, press the ALARM button.

To Use Both Sleep Timer and Alarm Function

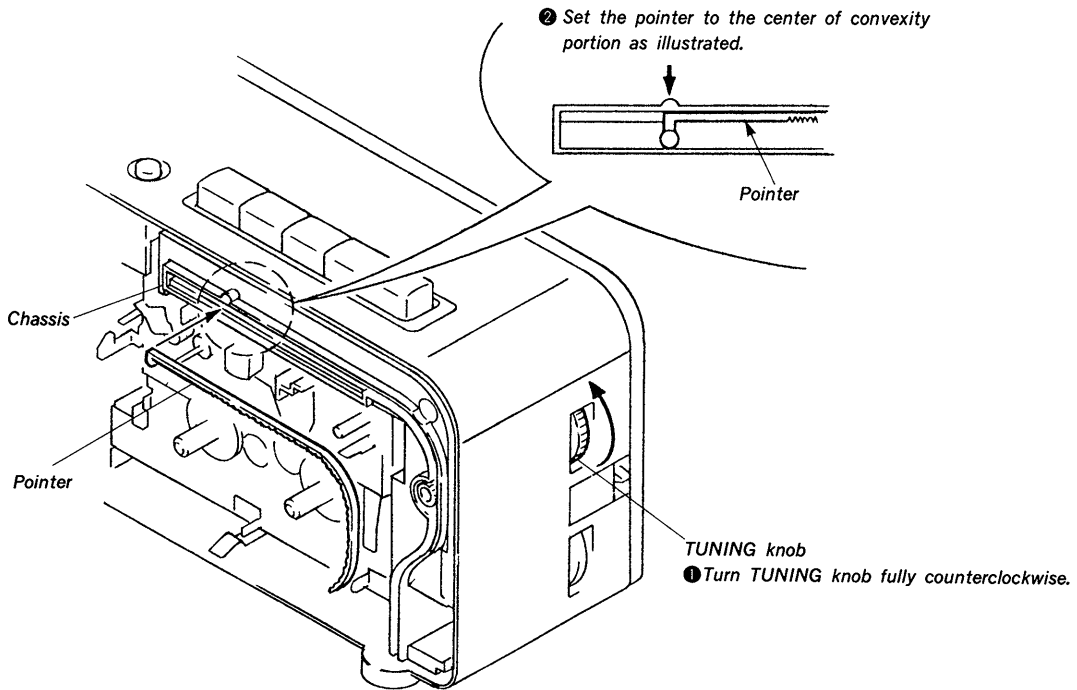
- 1 Set the alarm. (See "How to Set the Alarm")
- 2 Set the sleep timer. (See "How to Use the Sleep Timer")
- 3 Set the function selector switch to SINGLE ALARM [A] RADIO/TAPE, SINGLE ALARM [B] BUZZER or DUAL ALARM [C] RADIO/TAPE [B] BUZZER. You can fall asleep to the radio sound and you will be awakened by the radio/buzzer/tape alarm at the preset time.

SECTION 2 DISASSEMBLY

2-1. REMOVE THE LEAF SWITCH



2-2. DIAL POINTER SETTING



SECTION 3 MECHANICAL MEASUREMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab :
 - playback head
 - pinch roller
 - capstan
 - rubber belts
 - idlers
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustment apply suitable locking compound to the parts adjusted.
5. The adjustment should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Meter Reading	Torque Meter
Forward	30-60g·cm (0.42-0.83oz·inch)	CQ-102C
Fast Forward and Rewind	55-140g·cm (0.76-1.94oz·inch)	CQ-201B
Back Tension	1-5g·cm (0.014-0.069oz·inch)	CQ-102C

SECTION 4 ELECTRICAL ADJUSTMENTS

4-1. TAPE RECORDER SECTION

• Test Tape

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

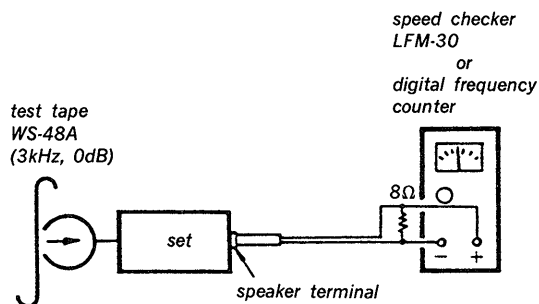
Tape Speed Adjustment

Setting :

VOLUME control : mechanical mid

Procedure :

Mode : playback

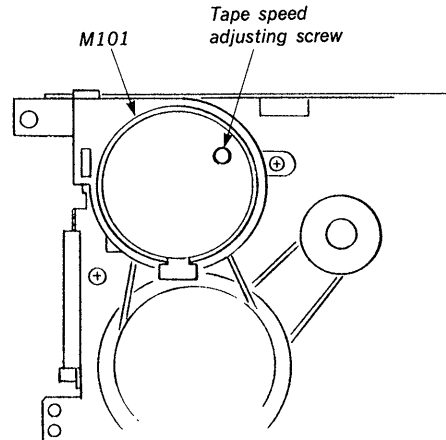


Adjustment Value :

Speed checker	Digital frequency counter
±3%	2,910 to 3,090Hz

Frequency difference between the beginning and the end of the tape should be within 1% (30Hz).

Adjustment Location :



Playback Head Azimuth Adjustment

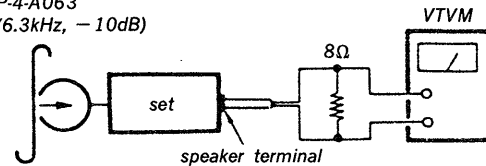
Setting :

VOLUME control : mechanical mid

Procedure :

1. Mode : playback

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

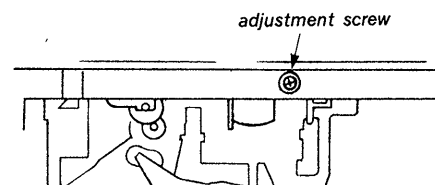


2. Turn the adjustment screw to obtain the maximum reading on VTVM.

Note : Several peaks may appear but take the maximum.

3. After the adjustment, lock the adjustment screw with suitable locking compound.

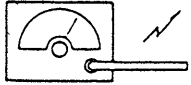
Adjustment Location :



4-2. RADIO SECTION

MW/LW

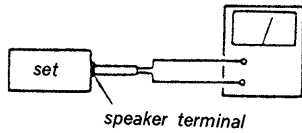
AM rf signal generator



Put the lead-wire antenna close to the set.

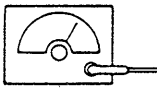
30% amplitude modulation by 400Hz signal

VTVM
(range : 0.5-5V ac)



FM

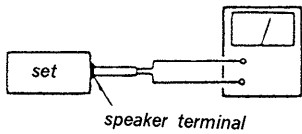
FM rf signal generator



0.01µF
to FM antenna terminal

22.5kHz frequency deviation by 400Hz signal
output level : as low as possible

VTVM
(range : 0.5-5V ac)



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

AM IF ADJUSTMENT

Adjust for a maximum reading on VTVM.

T1

455kHz

MW FREQUENCY COVERAGE ADJUSTMENT

Adjust for a maximum reading on VTVM.

L4

520kHz

CT4

1,650kHz

MW TRACKING ADJUSTMENT

Adjust for a maximum reading on VTVM.

L1-1

620kHz

CT1

1,400kHz

LW FREQUENCY COVERAGE ADJUSTMENT

Adjust for a maximum reading on VTVM.

CT6

145kHz

LW TRACKING ADJUSTMENT

Adjust for a maximum reading on VTVM.

L1-2

160kHz

CT5

240kHz

FM FREQUENCY COVERAGE ADJUSTMENT

Adjust for a maximum reading on VTVM.

L3

87.35MHz

CT3

107.9MHz

FM TRACKING ADJUSTMENT

Adjust for a maximum reading on VTVM.

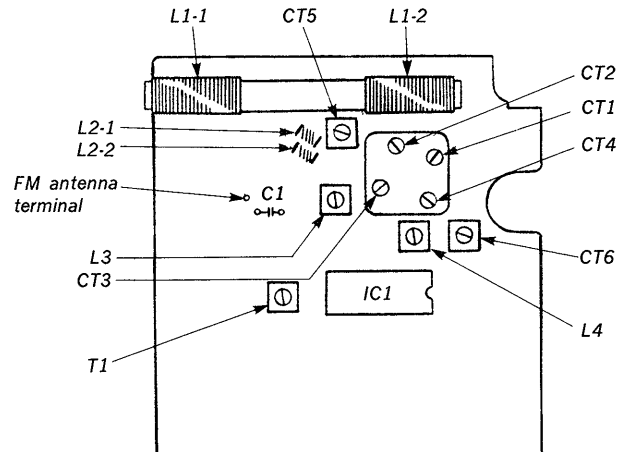
L2-1, L2-2

87.35MHz

CT2

107.9MHz

Adjustment Location : radio board

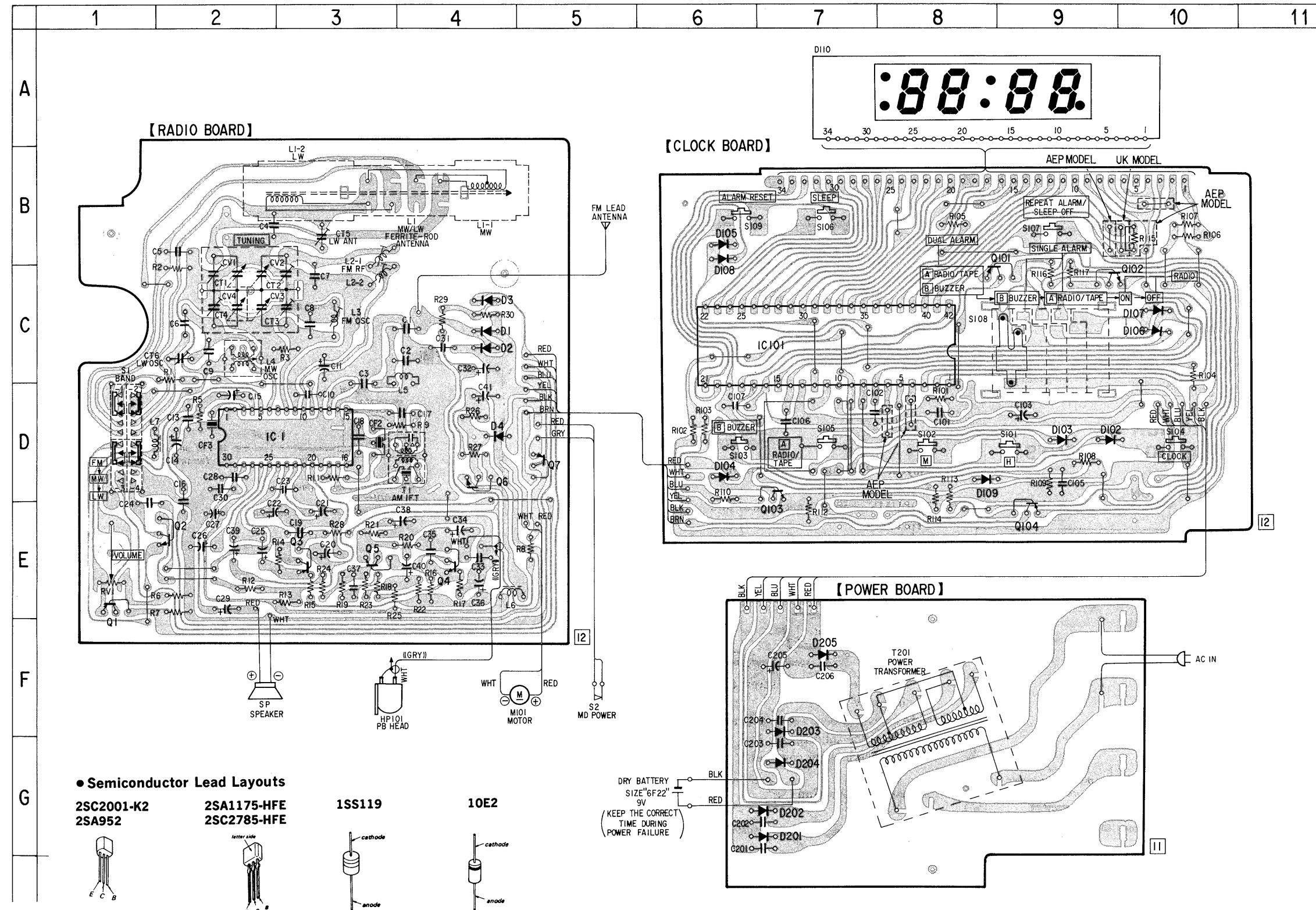


SECTION 5
DIAGRAMS

• Semiconductor Location

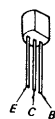
5-1. PRINTED WIRING BOARDS

Ref. No.	Location
D1	C-4
D2	C-4
D3	C-4
D4	D-4
D102	D-9
D103	D-9
D104	D-6
D105	B-6
D106	C-10
D107	C-10
D108	B-6
D109	D-8
D201	G-7
D202	G-7
D203	F-7
D204	G-7
D205	F-7
IC1	D-3
IC101	C-7
Q1	E-1
Q2	E-2
Q3	E-3
Q4	E-4
Q5	E-3
Q6	D-4
Q7	D-5
Q101	C-9
Q102	C-9
Q103	D-7
Q104	E-9

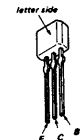


• Semiconductor Lead Layouts

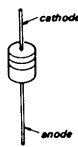
2SC2001-K2
2SA952



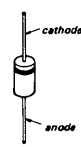
2SA1175-HFE
2SC2785-HFE



1SS119



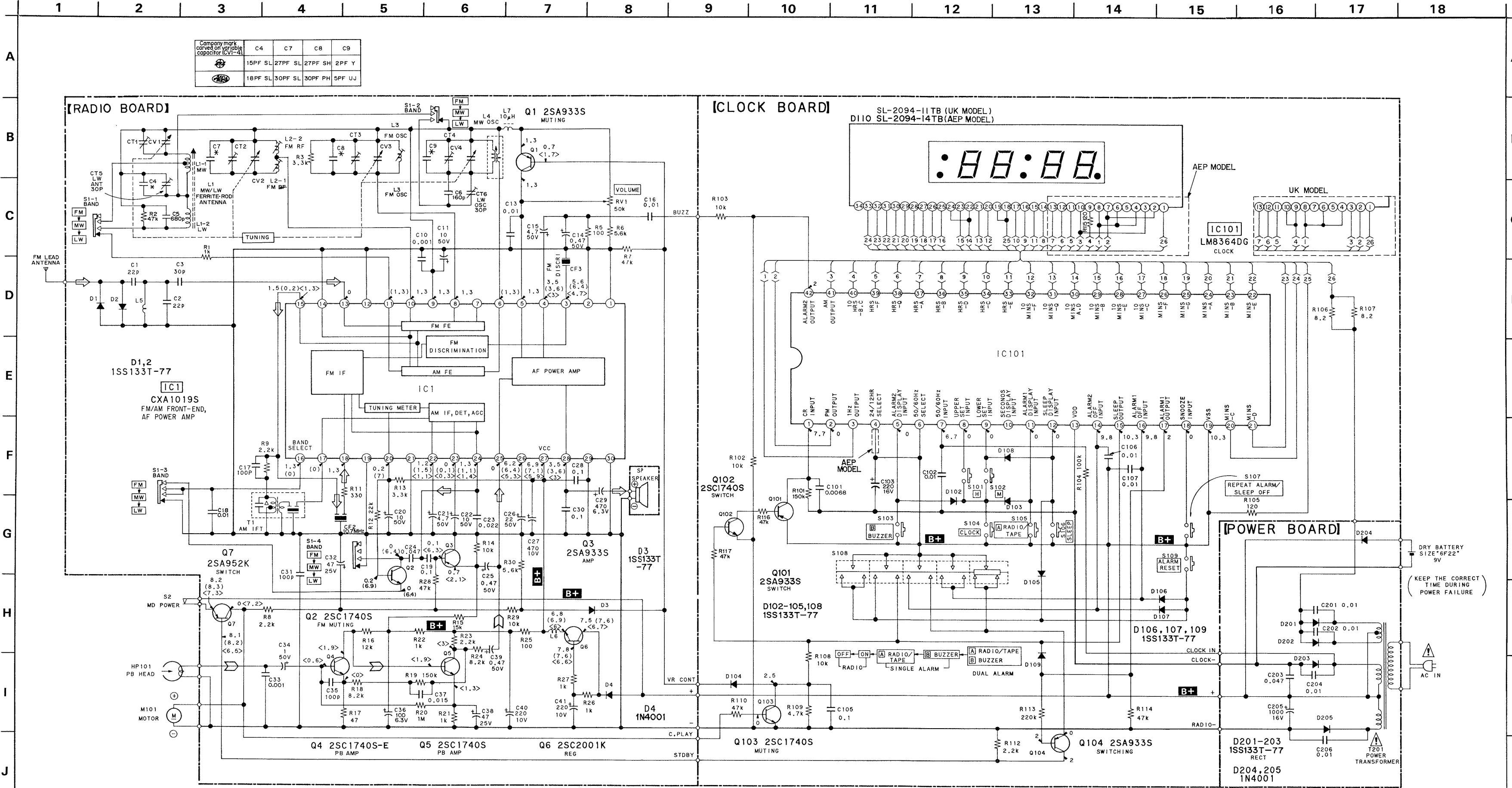
10E2



Note:

- — : parts extracted from the component side.
- — : parts extracted from the conductor side.

5-2. SCHEMATIC DIAGRAM



Note:

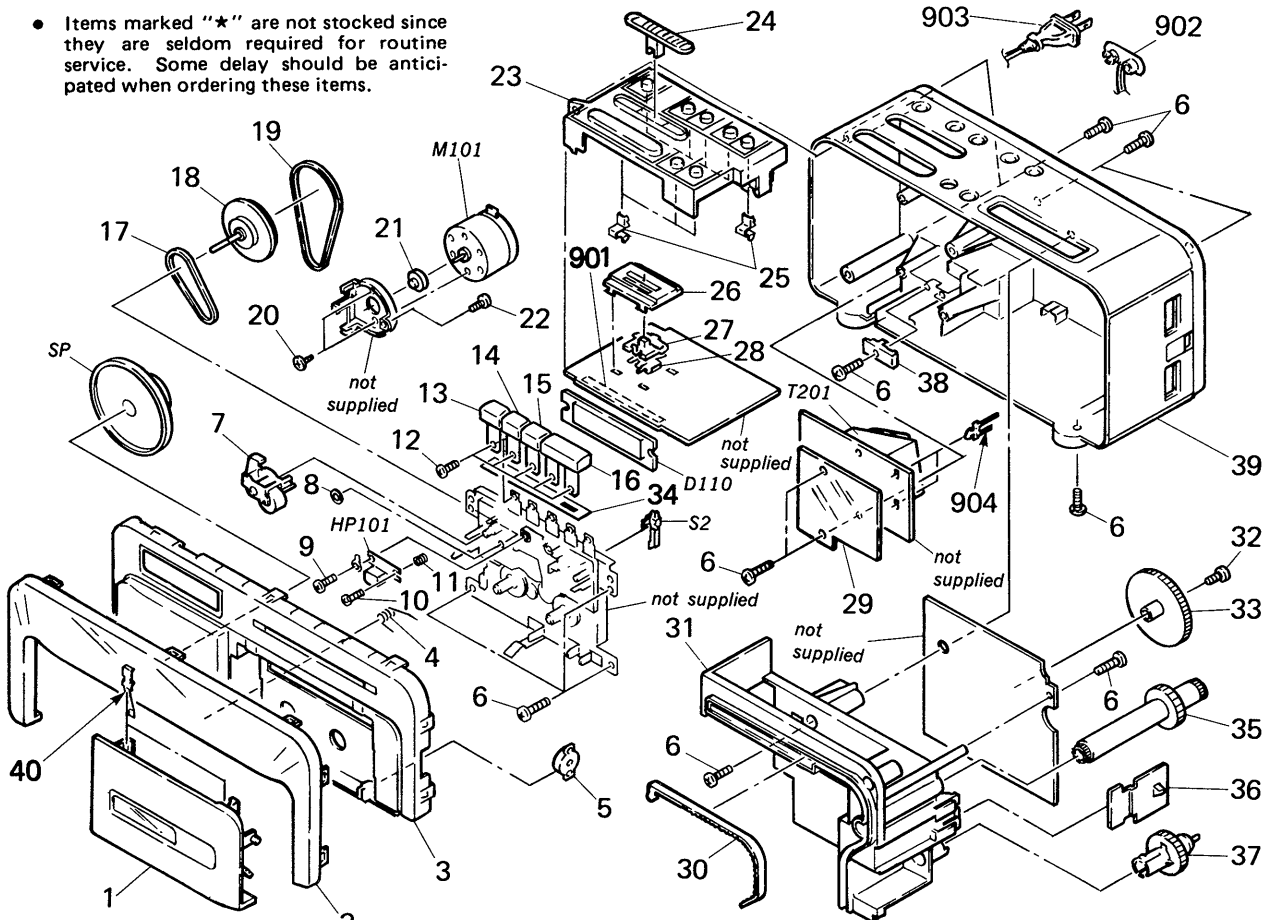
- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- Δ : internal component.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark: FM
(): AM
< : >: PB
- Voltagess are taken with a VOM (Input Impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Signal path.
 \Rightarrow : FM \Rightarrow : PB

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

SECTION 6 EXPLODED VIEW

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
Example:
(RED) ... KNOB, BALANCE (WHITE)
↑ Cabinet's Color ↑ Parts' Color



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	X-3895-205-1	(GRAY)...LID ASSY, CASSETTE		21	X-3313-308-1	PULLEY, MOTOR	
	X-3895-205-2	(WHITE)...LID ASSY, CASSETTE		22	3-348-362-01	SCREW, M COLOR	
2	3-902-027-01	PANEL, FRONT		23	3-902-029-01	(GRAY)...BUTTON (CLOCK SECTION)	
3	3-902-034-31	(WHITE)...CABINET (FRONT)			3-902-029-11	(WHITE)...BUTTON (CLOCK SECTION)	
	3-902-034-41	(GRAY)...CABINET (FRONT)		24	3-902-016-01	(GRAY)...KNOB (FUNCTION)	
4	3-902-031-01	SPRING, TORSION			3-902-016-11	(WHITE)...KNOB (FUNCTION)	
5	3-343-248-01	DAMPER (P), SMALL		25	3-895-280-01	PLATE (A), CONTACT (S101-107,S109)	
6	7-685-149-11	SCREW +P 3X14 TYPE2 NON-SLIT		26	*3-986-306-01	HOLDER (FUNCTION)	
7	3-986-417-01	ARM ASSY, PINCH ROLLER		27	*3-986-305-01	SLIDER (FUNCTION)	
8	3-986-416-01	WASHER, POLY-SLIDER		28	3-986-304-01	PLATE (FUNCTION), CONTACT (S108)	
9	7-621-255-45	SCREW, TOTSU PWH 2X6		29	*3-902-075-01	INSULATOR	
10	3-986-415-01	SCREW (M2X3), + BIND		30	3-902-024-01	POINTER	
11	3-598-845-01	SPRING		31	*3-902-035-01	CHASSIS	
12	7-621-255-10	SCREW +BVTT 2X3 (S)		32	7-621-775-10	SCREW +B 2.6X4	
13	3-902-020-01	(GRAY)...BUTTON (STOP)		33	*3-902-023-01	GEAR, VC	
	3-902-020-11	(WHITE)...BUTTON (STOP)		34	*3-902-402-01	PLATE, REGULATE	
14	3-902-021-01	(GRAY)...BUTTON (FF)		35	3-902-026-01	(GRAY)...KNOB (TUNING)	
	3-902-021-11	(WHITE)...BUTTON (FF)			3-902-026-11	(WHITE)...KNOB (TUNING)	
15	3-902-022-01	(GRAY)...BUTTON (REW)		36	3-902-017-01	(GRAY)...KNOB (BAND)	
	3-902-022-11	(WHITE)...BUTTON (REW)			3-902-017-11	(WHITE)...KNOB (BAND)	
16	3-902-019-01	(GRAY)...BUTTON (PLAY)		37	3-902-018-01	(GRAY)...KNOB (VOLUME)	
	3-902-019-11	(WHITE)...BUTTON (PLAY)			3-902-018-11	(WHITE)...KNOB (VOLUME)	
17	3-596-931-01	BELT, RF		38	*3-884-408-00	STOPPER, CORD	
18	3-348-356-01	FLYWHEEL ASSY		39	3-902-033-41	(WHITE)...CABINET (REAR)	
19	3-986-414-01	BELT, MAIN			3-902-033-51	(GRAY)...CABINET (REAR)	
20	3-986-412-01	SCREW, MB COLOR		40	3-902-030-01	SPRING	

SECTION 7 ELETICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μ F, PF: μ μ F.

RESISTORS
• All resistors are in ohms.
• F: nonflammable

COILS
• MMH: mH, UH: μ H

SEMICONDUCTORS
In each case, U: μ , for example:
UA...: μ A..., UPA...: μ PA...,
UPC...: μ PC, UPD...: μ PD...

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

Ref.No.	Part No.	Description				
901	*1-568-303-11	PIN, CONNECTOR (PC BOARD) 17P				
902	1-535-253-00	SNAP, BATTERY				
903	Δ 1-555-795-00	(AEP)...CORD, POWER				
	Δ 1-556-035-00	(UK)...CORD, POWER				
904	1-535-476-11	TERMINAL				
C1	1-102-959-00	CERAMIC	22PF	10%	50V	
C2	1-102-959-00	CERAMIC	22PF	10%	50V	
C3	1-102-962-00	CERAMIC	30PF	5%	50V	
C4	1-102-951-00	CERAMIC	15PF	5%	50V	
C4	1-102-953-00	CERAMIC	18PF	5%	50V	
C5	1-102-116-00	CERAMIC	680PF	10%	50V	
C6	1-103-706-00	STYROL	160PF	5%	50V	
C7	1-102-961-00	CERAMIC	27PF	5%	50V	
C7	1-102-962-00	CERAMIC	30PF	5%	50V	
C8	1-102-961-00	CERAMIC	27PF	5%	50V	
C8	1-102-962-00	CERAMIC	30PF	5%	50V	
C9	1-101-997-11	CERAMIC	5PF	0.5PF	50V	
C9	1-102-935-00	CERAMIC	2PF		50V	
<p>(Note on replacing C4, C7, C8 and C9. Change the value of C4, C7,C8 and C9 by company mark carved on variable capacitor (CV1-4), (See page 9).)</p>						
C10	1-161-039-00	CERAMIC	0.001MF	20%	25V	
C11	1-123-875-11	ELECT	10MF	20%	50V	
C13	1-101-004-00	CERAMIC	0.01MF		50V	
C14	1-124-902-00	ELECT	0.47MF	20%	50V	
C15	1-124-927-11	ELECT	4.7MF	20%	50V	
C16	1-101-004-00	CERAMIC	0.01MF		50V	
C17	1-102-973-00	CERAMIC	100PF	10%	50V	
C18	1-161-051-00	CERAMIC	0.01MF	20%	25V	
C19	1-162-851-11	CERAMIC	0.1MF	20%	16V	
C20	1-123-875-11	ELECT	10MF	20%	50V	
C21	1-124-927-11	ELECT	4.7MF	20%	50V	
C22	1-123-875-11	ELECT	10MF	20%	50V	
C23	1-161-055-00	CERAMIC	0.022MF	10%	25V	
C24	1-161-021-11	CERAMIC	0.047MF	10%	25V	
C25	1-124-902-00	ELECT	0.47MF	20%	50V	
C26	1-126-233-11	ELECT	22MF	20%	50V	
C27	1-124-472-11	ELECT	470MF	20%	10V	
C28	1-162-851-11	CERAMIC	0.1MF	20%	16V	
C29	1-124-472-11	ELECT	470MF	20%	6.3V	
C30	1-162-851-11	CERAMIC	0.1MF	20%	16V	
C31	1-102-973-00	CERAMIC	100PF	10%	50V	
C32	1-124-477-11	ELECT	47MF	20%	25V	



Ref.No.	Part No.	Description				
C33	1-161-039-00	CERAMIC	0.001MF	20%	25V	
C34	1-124-791-11	ELECT	1MF	20%	50V	
C35	1-102-973-00	CERAMIC	100PF	10%	50V	
C36	1-124-443-00	ELECT	100MF	20%	6.3V	
C37	1-161-053-00	CERAMIC	0.015MF	20%	25V	
C38	1-124-477-11	ELECT	47MF	20%	25V	
C39	1-124-902-00	ELECT	0.47MF	20%	50V	
C40	1-126-176-11	ELECT	220MF	20%	10V	
C41	1-126-176-11	ELECT	220MF	20%	10V	
C101	1-130-481-00	MYLAR	0.0068MF	5%	50V	
C102	1-101-004-00	CERAMIC	0.01MF		50V	
C103	1-124-120-11	ELECT	220MF	20%	16V	
C105	1-162-851-11	CERAMIC	0.1MF	20%	16V	
C106	1-101-004-00	CERAMIC	0.01MF		50V	
C107	1-101-004-00	CERAMIC	0.01MF		50V	
C201	1-101-004-00	CERAMIC	0.01MF		50V	
C202	1-101-004-00	CERAMIC	0.01MF		50V	
C203	1-101-006-00	CERAMIC	0.047MF		50V	
C204	1-101-004-00	CERAMIC	0.01MF		50V	
C205	1-124-360-00	ELECT	1000MF	20%	16V	
C206	1-101-004-00	CERAMIC	0.01MF		50V	
CF2	1-567-538-71	FILTER, CERAMIC 10.7MHz				
CF3						
CT5	1-141-245-00	CAP, VAR, TRIMMER				
CT6	1-141-245-00	CAP, VAR, TRIMMER				
CT1-4	1-151-372-00	CAP, TUNING, POLYETHYLENE				
CV1						
D1	8-719-911-19	DIODE 1SS119				
D2	8-719-911-19	DIODE 1SS119				
D3	8-719-911-19	DIODE 1SS119				
D4	8-719-200-02	DIODE 10E2				
D102	8-719-911-19	DIODE 1SS119				
D103	8-719-911-19	DIODE 1SS119				
D104	8-719-911-19	DIODE 1SS119				
D105	8-719-911-19	DIODE 1SS119				
D106	8-719-911-19	DIODE 1SS119				
D107	8-719-911-19	DIODE 1SS119				
D108	8-719-911-19	DIODE 1SS119				
D109	8-719-911-19	DIODE 1SS119				
D110	8-719-975-68	(UK)...DIODE SL2094-11TB				
D110	8-719-975-69	(AEP)...DIODE SL2094-14TB				
D201	8-719-911-19	DIODE 1SS119				
D202	8-719-911-19	DIODE 1SS119				
D203	8-719-911-19	DIODE 1SS119				
D204	8-719-200-02	DIODE 10E2				
D205	8-719-200-02	DIODE 10E2				

Ref.No.	Part No.	Description
HP101	1-543-625-11	HEAD, MAGNETIC
IC1	8-752-035-29	IC CXA1019S
IC101	8-759-821-56	IC LM8364DG
L1	1-402-276-11	ANTENNA, FERRITE-ROD (LW/MW)
L2-1	1-426-274-11	COIL, AIR-CORE (FM RF)
L2-2	1-426-274-11	COIL, AIR-CORE (FM RF)
L3	1-406-214-11	COIL, FM OSCILLATION
L4	1-406-028-00	COIL, OSC (MW)
L5	1-401-228-00	ANTENNA COIL
L6	1-410-294-11	INDUCTOR, MICRO
L7	1-410-509-11	INDUCTOR 10UH
M101	1-541-662-11	MOTOR, DC
Q1	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q2	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q3	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q4	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q5	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q6	8-729-100-13	TRANSISTOR 2SC2001-K2
Q7	8-729-195-23	TRANSISTOR 2SA952
Q101	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q102	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q103	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q104	8-729-119-76	TRANSISTOR 2SA1175-HFE
R1	1-249-417-11	CARBON 1K 5% 1/4W
R2	1-249-437-11	CARBON 47K 5% 1/4W
R3	1-249-423-11	CARBON 3.3K 5% 1/4W
R5	1-249-405-11	CARBON 100 5% 1/4W
R6	1-249-426-11	CARBON 5.6K 5% 1/4W
R7	1-249-437-11	CARBON 47K 5% 1/4W
R8	1-249-421-11	CARBON 2.2K 5% 1/4W
R9	1-249-421-11	CARBON 2.2K 5% 1/4W
R11	1-249-411-11	CARBON 330 5% 1/4W
R12	1-249-433-11	CARBON 22K 5% 1/4W
R13	1-249-423-11	CARBON 3.3K 5% 1/4W
R14	1-249-429-11	CARBON 10K 5% 1/4W
R15	1-249-431-11	CARBON 15K 5% 1/4W
R16	1-249-430-11	CARBON 12K 5% 1/4W
R17	1-249-401-11	CARBON 47 5% 1/4W
R18	1-249-429-11	CARBON 10K 5% 1/4W
R19	1-247-883-00	CARBON 150K 5% 1/4W
R20	1-247-903-00	CARBON 1M 5% 1/4W
R21	1-249-417-11	CARBON 1K 5% 1/4W
R22	1-249-417-11	CARBON 1K 5% 1/4W
R23	1-249-421-11	CARBON 2.2K 5% 1/4W

Ref.No.	Part No.	Description
R24	1-249-428-11	CARBON 8.2K 5% 1/4W
R25	1-249-405-11	CARBON 100 5% 1/4W
R26	1-249-417-11	CARBON 1K 5% 1/4W
R27	1-249-417-11	CARBON 1K 5% 1/4W
R28	1-249-437-11	CARBON 47K 5% 1/4W
R29	1-249-429-11	CARBON 10K 5% 1/4W
R30	1-249-426-11	CARBON 5.6K 5% 1/4W
R101	1-247-883-00	CARBON 150K 5% 1/4W
R102	1-249-429-11	CARBON 10K 5% 1/4W
R103	1-249-429-11	CARBON 10K 5% 1/4W
R104	1-249-441-11	CARBON 100K 5% 1/4W
R105	1-249-406-11	CARBON 120 5% 1/4W
R106	1-249-392-11	CARBON 8.2 5% 1/4W
R107	1-249-392-11	CARBON 8.2 5% 1/4W
R108	1-249-429-11	CARBON 10K 5% 1/4W
R109	1-249-425-11	CARBON 4.7K 5% 1/4W
R110	1-249-437-11	CARBON 47K 5% 1/4W
R112	1-249-421-11	CARBON 2.2K 5% 1/4W
R113	1-247-887-00	CARBON 220K 5% 1/4W
R114	1-249-437-11	CARBON 47K 5% 1/4W
R115	1-249-406-11	(AEP)...CARBON 120 5% 1/4W
R116	1-249-437-11	CARBON 47K 5% 1/4W
R117	1-249-437-11	CARBON 47K 5% 1/4W
RV1	1-228-790-00	RES, VAR, CARBON 50K (VOLUME)
S1	1-571-818-11	SWITCH, SLIDE (BAND)
S2	1-571-745-11	SWITCH, LEAF (MD POWER)
SP	1-544-140-21	SPEAKER
T1	1-236-385-11	ENCAPSULATED COMPONENT
T201	△.1-449-704-11	(AEP)...TRANSFORMER, POWER
T201	△.1-449-705-11	(UK)...TRANSFORMER, POWER

ACCESSORY & PACKING MATERIAL

3-750-519-11	MANUAL, INSTRUCTION (ENGLISH, GERMAN, FRENCH)
3-750-519-41	(AEP)...MANUAL, INSTRUCTION (SPANISH, PORTUGUESE)
*3-901-575-01	CUSHION (LEFT)
*3-901-576-01	CUSHION (RIGHT)
*3-901-581-01	(AEP)...INDIVIDUAL CARTON
*3-902-418-01	(UK)...INDIVIDUAL CARTON

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