

ICF-M300L

SERVICE MANUAL

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AEP Model
UK Model
E Model



SPECIFICATIONS

	FM	MW	LW
Frequency range	87.5 - 108 MHz	531 - 1,602 kHz	153 - 281 kHz
Tuning interval	50 kHz	9 kHz	2 kHz → 7 kHz

Antennas	FM: Telescopic antenna MW/LW: Built-in ferrite bar antenna
Speaker	Approx. 7.7 cm (3 ¹ / ₈ inches) dia.
Power output	280 mW (at 10% harmonic distortion)
Output	Earphone jack (minijack) for 8-ohm earphone
Power requirements	4.5 V DC Three R6 (size AA) batteries DC IN 4.5 V jack accepts: Sony AC-D3M AC power adaptor (optional) Sony DCC-127A car battery cord (optional) for use with 12 V car battery
Battery life	Approx. 18 hours of listening for four hours a day at a normal volume using Sony batteries SUM-3 (NS)
Dimensions	Approx. 32 × 101 × 181 mm (w/h/d) (1 ¹ / ₁₆ × 4 × 7 ¹ / ₄ inches) not incl. projecting parts and controls
Weight	Approx. 490 g (17.3 oz) incl. batteries
Supplied accessory	Earphone (1)

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FM/MW/LW 3 BAND
PLL SYNTHESIZED RECEIVER

SONY®



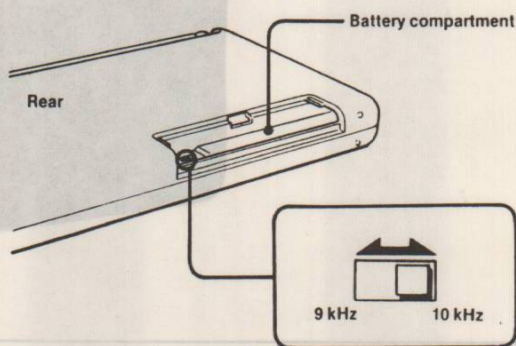
SECTION 1 GENERAL

Features

- A quartz-controlled PLL (Phase Locked Loop) synthesizer system using a microcomputer for easy pinpoint tuning. The tuned-in frequency is digitally displayed.
- Up to 7 stations in each band can be preset.
- Two alarm modes available: radio or buzzer
- Digital clock built-in. The current time and alarm time are digitally displayed.
- A sleep timer turns the radio off automatically at the preset time.

To Change the MW Channel Step

The MW CH STEP is preset at the factory to 9 kHz to match the frequency allocation system of most countries. If you use the radio where the frequency allocation system is based on a 10 kHz interval, such as in the U.S.A. and Canada, set the MW CH STEP selector to 10 kHz.



- 1 Remove the batteries and wait until all the figures and indicators in the display window disappear.
- 2 Change the channel step.

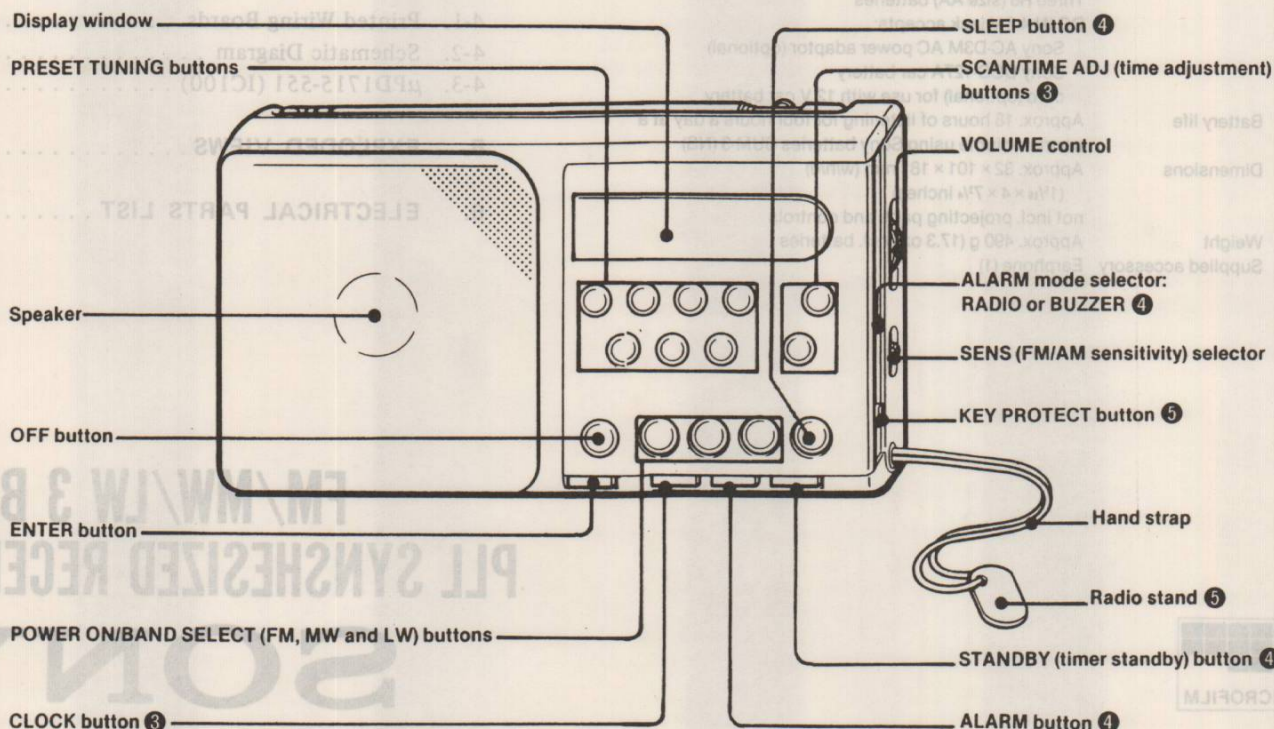
Note

When the channel step is set to 10 kHz, the MW frequency range changes from "531 - 1,602 kHz" to "530 - 1,670 kHz".

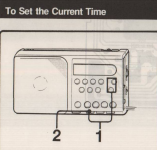
Location and Function of Controls

Refer to the page indicated in ● for details.

Front panel



Real name:

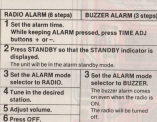


To Set the Current Time

- Example: to set to 7:15 to the second
Set the time to 7:15 and keep the **CLOCK** button pressed.
Release **CLOCK** simultaneously with the telephone time signal.

Example: to set to 7:15 to the second
Set the time to 7:15 and keep the **CLOCK** button pressed.
Release **CLOCK** simultaneously with the telephone time signal.

To Set the Alarm Time



To Turn Off the Radio Automatically at the Preset Time—sleep timer



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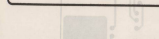
Exercise: To get to 6:30

2019

The alarm will come on at the preset time and the "key protect" function will be released.

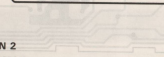
To check the alarm preset time

To Prevent Accidental Change of the Receiving
Region

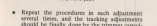


SECTION 2 DISASSEMBLY

How to use the radio stand



AM Section



AM IF ADJUSTMENT 037M99

CHASSIS SECTION REMOVAL

1. Remove the head cover.

- Head Strap Installation



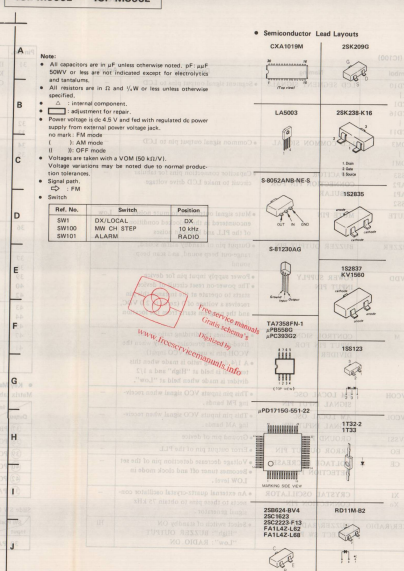
SECTION 4 DIAGRAMS

4-1. PRINTED WIRING BOARDS

• See page 14 for Semiconductor Lead Layouts.

• Semiconductor Location

Ref. No.	Location
D1	F-6
D2	F-4
D3	F-5
D4	F-3
D5	F-2
D6	F-1
D7	F-10
D8	F-11
D9	F-12
D10	F-13
D11	F-14
D12	F-15
D13	F-16
D14	F-17
D15	F-18
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D527	F-530
D528	F-531
D529	F-532
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D537	F-540



Pin No.	Symbol	Naming	Description	Active
1	LCD10	LCD SEGMENT SIGNALS	• Segment signal output pin to LCD	—
10	LCD10	LCD10		—
48	LCD16	LCD16		—
53	LCD11	LCD COMMON SIGNAL	• Common signal output pin to LCD	—
11	COM1	COM1		—
13	COM1	COM1		—
14	VSS1	CAPACITOR CONNECTION PIN FOR TABULAR	• Capacitor connection pins for tabular circuit to make LCD drive voltage	—
15	CAP2			—
16	CAP1			—
17	VSS2			—
18	MUTE	MUTE PIN	• Mute signal output pin to mute notes encountered in the selected condition of the PLL and key scan notes	Low
19	BUZZER	BUZZER OUTPUT PIN	• Output pin of steadily alarm sound, ring-out loop sound, and scan loop sound	—
20, 46	VDD	POWER SUPPLY INPUT PIN	• Power supply input pin for device • The power-on reset circuit of device starts to operate at the instance the pin receives a voltage of 0 (pins) to 2.5 VDC, and the program starts from the location 0 (pins).	—
21	M	CONTROL SIGNAL INPUT PIN FOR DIVIDER	• Determines the dividing ratio of the frequency divider. (Only when the VCOH pin is used in VCO input) • A 1/4 dividing ratio is made when this terminal is held at "High" and a 1/2 divider is made when held at "Low".	—
22	VCOH	FM LOCAL OSC SIGNAL INPUT PIN	• This pin inputs VCO signal when receiving FM bands.	—
23	VCOI	AM LOCAL OSC SIGNAL INPUT PIN	• This pin inputs VCO signal when receiving AM bands.	—
24	VSS1	GROUND PIN	• Ground pin of device	—
25, 26	EO	ERROR OUTPUT PIN	• Error output pin of the PLL	—
27	CE	VOLTAGE DECREASE DETECTION PIN	• Voltage decrease detection pin of the set • Becomes timer off and clock mode in LOW level.	—
28	X1	CRYSTAL OSCILLATOR CONNECTION PIN	• An external quartz-crystal oscillator connects to these pins to obtain 73 kHz signal generator.	—
29	X2			—
30	BUZZER/RADIO	BUZZER/RADIO SELECT SW PIN	• Select switch of steadily ON "High" BUZZER OUTPUT "Low" RADIO ON	Hi

Pin No.	Symbol	Naming	Description	Active
31	INITIAL DIODE, KEY SOURCE, AND CE PULL-UP PIN	INITIAL DIODE, KEY SOURCE, AND CE PULL-UP PIN	• Used as key source of initial diode. (VDD = "Low" = "High") • Output "High" for 125~250 msec to prevent voltage of CE from decreasing during TIMER OUT output ("Low" = "High")	Hi
32	SD2	SD SIGNAL INPUT PIN	• Input pin of SD (station detection) signal from the tuner	Low
33	SD1			—
34	BAND2	BAND DATA OUTPUT PIN	• These pins output band information to the tuner.	Hi
35	BAND1			—
36	TIMER OUT	TIMER-OUT (POWER) OUTPUT PIN	• Timer-out (power) output pin of the tuner • Outputs "High" during BUZZER output	Hi
37	PB0	MOMENTARY KEY SOURCE OUTPUT PIN	• Key source output pin of momentary key	Hi
38	PC3			—
39	PC2			—
40	PC1			—
41	NC	NO CONNECTION PIN	• This is a free terminal and is not connected to the internal circuit, and the terminal can be used as a junction lead.	—

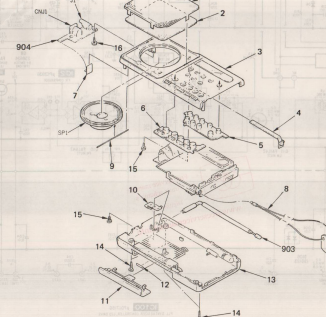
Input	Output	Input	Output	Input	Output
① K3	② K2	③ K1	④ K0	⑤ K3	⑥ K2
⑦ PB0	⑧ PC3	⑨ PC2	⑩ PC1	⑪ K3	⑫ K2
⑬ PC0	⑭ PA2	⑮ A2	⑯ A1	⑰ A0	⑱ A0
⑲ PA0	⑳ PA1	㉑ A2	㉒ A1	㉓ A0	㉔ A0

SW SW (SW100)	SW SW (SW100)
VDD	GND
BUZZER	RADIO

SECTION 5 EXPLODED VIEWS

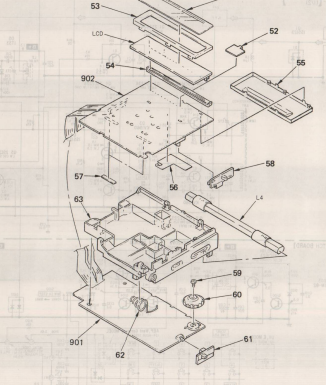
- NOTE**
- The mechanical parts with no reference in the exploded views are not supplied.
 - The connection parts of an assembled part are indicated with a connection number in the exploded views.
 - Items marked "x" are not included items, and are shown as reference for order period when ordering these items.

(1) CABINET SECTION



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	3-999-914-01	NET, SPEAKER		12	3-762-264-11	LABEL (P), SERIAL NO	
2	3-999-914-02	NET, SPEAKER		13	3-999-914-03	NET, SPEAKER	
3	3-999-914-03	NET, SPEAKER		14	3-999-914-04	NET, SPEAKER	
4	3-999-914-04	NET, SPEAKER		15	3-999-914-05	NET, SPEAKER	
5	3-999-914-05	NET, SPEAKER		16	3-999-914-06	NET, SPEAKER	
6	3-999-914-06	NET, SPEAKER		17	3-999-914-07	NET, SPEAKER	
7	3-999-914-07	NET, SPEAKER		18	3-999-914-08	NET, SPEAKER	
8	3-999-914-08	NET, SPEAKER		19	3-999-914-09	NET, SPEAKER	
9	3-999-914-09	NET, SPEAKER		20	3-999-914-10	NET, SPEAKER	
10	3-999-914-10	NET, SPEAKER		21	3-999-914-11	NET, SPEAKER	
11	3-999-914-11	NET, SPEAKER		22	3-999-914-12	NET, SPEAKER	

(2) CHASSIS SECTION



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	3-999-914-01	NET, SPEAKER		12	3-762-264-11	LABEL (P), SERIAL NO	
2	3-999-914-02	NET, SPEAKER		13	3-999-914-03	NET, SPEAKER	
3	3-999-914-03	NET, SPEAKER		14	3-999-914-04	NET, SPEAKER	
4	3-999-914-04	NET, SPEAKER		15	3-999-914-05	NET, SPEAKER	
5	3-999-914-05	NET, SPEAKER		16	3-999-914-06	NET, SPEAKER	
6	3-999-914-06	NET, SPEAKER		17	3-999-914-07	NET, SPEAKER	
7	3-999-914-07	NET, SPEAKER		18	3-999-914-08	NET, SPEAKER	
8	3-999-914-08	NET, SPEAKER		19	3-999-914-09	NET, SPEAKER	
9	3-999-914-09	NET, SPEAKER		20	3-999-914-10	NET, SPEAKER	
10	3-999-914-10	NET, SPEAKER		21	3-999-914-11	NET, SPEAKER	
11	3-999-914-11	NET, SPEAKER		22	3-999-914-12	NET, SPEAKER	

SECTION 6

ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- 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 PF.**RESISTORS**

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

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

Ref.No.	Part No.	Description
901	A-3660-753-A	MOUNTED PCB, MAIN
902	A-3681-235-A	(AEP, West Germany)
	A-3681-236-A	(UK, E).....MOUNTED PCB, SWITCH
903	1-501-407-11	ANTENNA, TELESCOPIC
904	*1-625-847-11	PC BOARD, JACK
BPF	1-235-171-00	FILTER, BAND PASS
C1	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C2	1-124-462-00	ELECT 10MF 20% 16V
C4	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C5	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C6	1-163-119-00	CERAMIC CHIP 120PF 5% 50V
C7	1-163-126-00	CERAMIC CHIP 240PF 5% 50V
C8	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C9	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C10	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C11	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C12	1-124-224-00	ELECT 47MF 20% 6.3V
C13	1-124-229-00	ELECT 33MF 20% 6.3V
C14	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C15	1-163-141-00	CERAMIC CHIP 0.001MF 5% 50V
C16	1-163-141-00	CERAMIC CHIP 0.001MF 5% 50V
C17	1-163-141-00	CERAMIC CHIP 0.001MF 5% 50V
C18	1-163-092-00	CERAMIC CHIP 9PF 0.25PF 50V
C19	1-163-141-00	CERAMIC CHIP 0.001MF 5% 50V
C20	1-163-103-00	CERAMIC CHIP 27PF 5% 50V
C21	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C22	1-163-129-00	CERAMIC CHIP 330PF 5% 50V
C24	1-163-089-00	CERAMIC CHIP 6PF 0.25PF 50V
C25	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C26	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C27	1-163-127-00	CERAMIC CHIP 270PF 5% 50V
C28	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C29	1-124-245-00	ELECT 4.7MF 20% 25V
C30	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C31	1-163-035-00	CERAMIC CHIP 0.047MF 10% 25V
C32	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C33	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C34	1-124-258-00	ELECT 3.3MF 20% 35V
C35	1-124-462-00	ELECT 10MF 20% 16V
C36	1-163-035-00	CERAMIC CHIP 0.047MF 10% 25V
C37	1-124-257-00	ELECT 2.2MF 20% 50V
C38	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V

Ref.No.	Part No.	Description
C39	1-163-033-00	CERAMIC CHIP 0.022MF 10% 25V
C40	1-162-637-11	CERAMIC CHIP 0.47MF 16V
C41	1-124-462-00	ELECT 10MF 20% 16V
C42	1-124-472-11	ELECT 470MF 20% 6.3V
C43	1-163-077-00	CERAMIC CHIP 0.1MF 10% 25V
C44	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V
C45	1-124-472-11	ELECT 470MF 20% 6.3V
C46	1-124-462-00	ELECT 10MF 20% 16V
C47	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C48	1-124-471-00	ELECT 1000MF 20% 6.3V
C49	1-136-017-00	CERAMIC CHIP 0.0047MF 50V
C50	1-163-141-00	CERAMIC CHIP 0.001MF 10% 50V
C51	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C52	1-163-035-00	CERAMIC CHIP 0.047MF 10% 25V
C53	1-135-096-21	TANTAL. CHIP 4.7MF 20% 10V
C54	1-163-141-00	CERAMIC CHIP 0.001MF 5% 50V
C55	1-124-462-00	ELECT 10MF 20% 16V
C56	1-162-638-11	CERAMIC CHIP 1MF 16V
C57	1-162-568-11	CERAMIC CHIP 0.33MF 25V
C59	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V
C60	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C61	1-163-117-00	CERAMIC CHIP 100PF 5% 50V
C62	1-163-117-00	CERAMIC CHIP 100PF 5% 50V
C63	1-163-117-00	CERAMIC CHIP 100PF 5% 50V
C100	1-163-009-00	CERAMIC CHIP 0.001MF 5% 50V
C101	1-163-009-00	CERAMIC CHIP 0.001MF 5% 50V
C102	1-163-009-00	CERAMIC CHIP 0.001MF 5% 50V
C103	1-163-009-00	CERAMIC CHIP 0.001MF 5% 50V
C104	1-163-009-00	CERAMIC CHIP 0.001MF 5% 50V
C105	1-163-009-00	CERAMIC CHIP 0.001MF 5% 50V
C106	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C107	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C108	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C109	1-163-106-00	CERAMIC CHIP 36PF 5% 50V
C110	1-163-097-00	CERAMIC CHIP 15PF 5% 50V
C111	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C112	1-163-141-00	CERAMIC CHIP 0.001MF 5% 50V
C113	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V
C114	1-163-013-00	CERAMIC CHIP 0.0022MF 10% 50V
C115	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V
C116	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C117	1-123-827-00	ELECT 220MF 20% 4V
C118	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V
C119	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V
C120	1-163-100-00	CERAMIC CHIP 20PF 5% 50V

Ref.No.	Part No.	Description
C121	1-163-021-00	CERAMIC CHIP 0.01MF
C122	1-123-827-00	ELECT 220MF
C123	1-162-638-11	CERAMIC CHIP 1MF
C124	1-164-006-11	CERAMIC CHIP 0.33MF
C125	1-163-137-00	CERAMIC CHIP 680PF
C126	1-163-137-00	CERAMIC CHIP 680PF
C127	1-163-137-00	CERAMIC CHIP 680PF
C128	1-163-137-00	CERAMIC CHIP 680PF
C129	1-163-133-00	CERAMIC CHIP 470PF
C131	1-163-021-00	CERAMIC CHIP 0.01MF
C132	1-164-004-11	CERAMIC CHIP 0.1MF
C133	1-163-021-00	CERAMIC CHIP 0.01MF
C134	1-163-021-00	CERAMIC CHIP 0.01MF
C135	1-163-021-00	CERAMIC CHIP 0.01MF
C136	1-131-368-00	TANTALUM 3.3MF
C137	1-163-117-00	CERAMIC CHIP 100PF
C138	1-163-117-00	CERAMIC CHIP 100PF
CF1	1-567-919-11	FILTER, CERAMIC
CF2	1-567-685-81	FILTER, CERAMIC
CF3	1-567-685-81	FILTER, CERAMIC
CN1	1-507-954-11	JACK, EXTERNAL POWER
CT1	1-141-245-00	TRIMMER, CERAMIC
CT2	1-141-229-00	CAP, TRIMMER
CT3	1-141-229-00	CAP, TRIMMER
CT4	1-141-260-00	TRIMMER, CERAMIC
D1	8-719-101-23	DIODE 1S5123
D2	8-719-951-05	DIODE KV1560
D3	8-719-951-05	DIODE KV1560
D4	8-719-101-23	DIODE 1S5123
D5	8-719-300-00	DIODE 1T33
D6	8-719-300-00	DIODE 1T33
D7	8-719-100-03	DIODE 1S2835
D8	8-719-100-05	DIODE 1S2837
D100	8-719-100-05	(AEP, West Germany)...DIODE 1S2837
D101	8-719-100-05	DIODE 1S2837
D102	8-719-100-05	DIODE 1S2837
D103	8-719-106-62	DIODE RD1M-82
D104	8-719-101-23	DIODE 1S5123
D105	8-719-100-05	DIODE 1S2837
D106	8-719-101-23	DIODE 1S5123
D107	8-719-101-23	DIODE 1S5123
IC1	8-752-030-15	IC CXA1019M
IC2	8-759-100-93	IC UPC9302
IC3	8-759-800-27	IC LA5003

Ref.No.	Part No.	Description
IC4	8-759-937-61	IC S-81230AG
IC101	8-759-141-46	IC UPD17150-551-22
IC101	8-759-945-21	IC S-8052ANB-NE
J1	1-563-836-11	JACK (EARPHONE)
L1	1-402-364-11	ANTENNA, FERRITE-ROD (MM/LW)
L2	1-459-838-11	COIL (WITH CORE), FM RF
L3	1-459-837-11	COIL (WITH CORE), FM OSC
L4	1-406-269-11	COIL (OSC), MW OSC
L5	1-410-200-31	INDUCTOR CHIP 4.7UH
L6	1-410-294-11	INDUCTOR, MICRO 38UH
L7	1-410-202-51	INDUCTOR CHIP 6.8UH
L8	1-410-192-51	INDUCTOR CHIP 1UH
L100	1-410-212-51	INDUCTOR CHIP 47UH
LCD	1-808-341-11	DISPLAY PANEL, LIQUID CRYSTAL
Q1	8-729-162-44	TRANSISTOR 2S8624-BV4
Q2	8-729-102-07	TRANSISTOR 2SC2223-F13
Q3	8-729-123-86	TRANSISTOR 2SK238-K16
Q4	8-729-102-07	TRANSISTOR 2SC2223-F13
Q5	8-729-102-07	TRANSISTOR 2SC2223-F13
Q6	8-729-162-44	TRANSISTOR 2S8624-BV4
Q7	8-729-102-07	TRANSISTOR 2SC2223-F13
Q8	8-729-162-44	TRANSISTOR 2S8624-BV4
Q9	8-729-114-35	TRANSISTOR FA142-L62
Q10	8-729-114-35	TRANSISTOR FA142-L62
Q11	8-729-114-35	TRANSISTOR FA142-L62
Q12	8-729-162-44	TRANSISTOR 2S8624-BV4
Q13	8-729-114-35	TRANSISTOR FA142-L62
Q14	8-729-100-66	TRANSISTOR 2SC1623
Q100	8-729-100-66	TRANSISTOR 2SC1623
Q101	8-729-100-66	TRANSISTOR 2SC1623
Q102	8-729-220-93	TRANSISTOR 2SK209G
Q103	8-729-220-93	TRANSISTOR 2SK209G
Q104	8-729-100-66	TRANSISTOR 2SC1623
R1	1-216-081-00	METAL GLAZE 22K 5%
R2	1-216-103-00	METAL GLAZE 180K 5%
R3	1-216-073-00	METAL GLAZE 10K 5%
R4	1-216-073-00	METAL GLAZE 10K 5%
R5	1-216-133-00	METAL GLAZE 3.3M 5%
R6	1-216-133-00	METAL GLAZE 3.3M 5%
R7	1-216-133-00	METAL GLAZE 3.3M 5%
R8	1-216-133-00	METAL GLAZE 3.3M 5%
R9	1-216-133-00	METAL GLAZE 3.3M 5%
R10	1-216-039-00	METAL GLAZE 390 5%
R11	1-216-073-00	METAL GLAZE 10K 5%
R12	1-216-065-00	METAL GLAZE 47K 5%
R13	1-216-017-00	METAL GLAZE 47K 5%

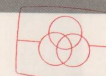
Ref.No.	Part No.	Description
R14	1-216-008-11	METAL GLAZE 20 5%
R15	1-216-089-00	METAL GLAZE 47K 5%
R16	1-216-097-00	METAL GLAZE 100K 5%
R17	1-216-097-00	METAL GLAZE 100K 5%
R18	1-216-097-00	METAL GLAZE 100K 5%
R19	1-216-073-00	METAL GLAZE 10K 5%
R20	1-216-073-00	METAL GLAZE 10K 5%
R21	1-216-097-00	METAL GLAZE 100K 5%
R22	1-216-121-00	METAL GLAZE 1M 5%
R23	1-216-029-00	METAL GLAZE 150 5%
R24	1-216-035-00	METAL GLAZE 270 5%
R25	1-216-073-00	METAL GLAZE 10K 5%
R26	1-216-049-00	METAL GLAZE 1K 5%
R27	1-216-049-00	METAL GLAZE 1K 5%
R28	1-216-061-00	METAL GLAZE 3.3K 5%
R29	1-216-081-00	METAL GLAZE 22K 5%
R30	1-216-025-00	METAL GLAZE 100 5%
R31	1-216-037-00	METAL GLAZE 330 5%
R32	1-216-089-00	METAL GLAZE 47K 5%
R33	1-216-103-00	METAL GLAZE 180K 5%
R34	1-216-089-00	METAL GLAZE 47K 5%
R35	1-216-073-00	METAL GLAZE 10K 5%
R36	1-216-073-00	METAL GLAZE 10K 5%
R37	1-216-073-00	METAL GLAZE 10K 5%
R39	1-216-017-00	METAL GLAZE 47 5%
R40	1-216-057-00	METAL GLAZE 2.2K 5%
R41	1-216-113-00	METAL GLAZE 470K 5%
R42	1-216-025-00	METAL GLAZE 100 5%
R43	1-216-081-00	METAL GLAZE 22K 5%
R44	1-216-001-00	METAL GLAZE 10 5%
R45	1-216-073-00	METAL GLAZE 10K 5%
R46	1-216-049-00	METAL GLAZE 1K 5%
R47	1-216-065-00	METAL GLAZE 4.7K 5%
R48	1-216-049-00	METAL GLAZE 1K 5%
R49	1-216-025-00	METAL GLAZE 100 5%
R50	1-216-073-00	METAL GLAZE 10K 5%
R51	1-216-069-00	METAL GLAZE 6.8K 5%
R100	1-216-067-00	METAL GLAZE 5.6K 5%
R101	1-216-067-00	METAL GLAZE 5.6K 5%
R102	1-216-067-00	METAL GLAZE 5.6K 5%
R103	1-216-067-00	METAL GLAZE 5.6K 5%
R104	1-216-067-00	METAL GLAZE 5.6K 5%
R105	1-216-049-00	METAL GLAZE 1K 5%
R106	1-216-049-00	METAL GLAZE 1K 5%
R107	1-216-049-00	METAL GLAZE 1K 5%
R108	1-216-067-00	METAL GLAZE 5.6K 5%
R109	1-216-113-00	METAL GLAZE 470K 5%
R110	1-216-113-00	METAL GLAZE 470K 5%

Ref.No.	Part No.	Description
R111	1-216-121-00	METAL GLAZE 1M 5%
R112	1-216-001-00	METAL GLAZE 10 5%
R113	1-216-089-00	METAL GLAZE 47K 5%
R114	1-216-049-00	METAL GLAZE 1K 5%
R115	1-216-089-00	METAL GLAZE 47K 5%
R116	1-216-097-00	METAL GLAZE 100K 5%
R117	1-216-097-00	METAL GLAZE 100K 5%
R118	1-216-049-00	METAL GLAZE 1K 5%
R119	1-216-069-00	METAL GLAZE 6.8K 5%
R120	1-216-073-00	METAL GLAZE 10K 5%
R121	1-216-070-00	METAL GLAZE 7.5K 5%
R122	1-216-067-00	METAL GLAZE 5.6K 5%
R123	1-216-057-00	METAL GLAZE 2.2K 5%
R124	1-216-073-00	METAL GLAZE 10K 5%
R125	1-216-061-00	METAL GLAZE 3.3K 5%
R126	1-216-061-00	METAL GLAZE 3.3K 5%
R127	1-216-061-00	METAL GLAZE 3.3K 5%
R128	1-216-061-00	METAL GLAZE 3.3K 5%
R129	1-216-295-00	METAL GLAZE 0 5%
R130	1-216-025-00	METAL GLAZE 100 5%
R131	1-216-295-00	METAL GLAZE 0 5%
R132	1-216-295-00	METAL GLAZE 0 5%
R133	1-216-008-11	METAL GLAZE 20 5%
R134	1-216-049-00	METAL GLAZE 1K 5%
R135	1-216-049-00	METAL GLAZE 1K 5%
R136	1-216-049-00	METAL GLAZE 1K 5%
R137	1-216-295-00	(UK,E)...METAL GLAZE 0 5%
RV1	1-238-107-11	RES, VAR, CARBON 20K (VOLUME)
RV2	1-228-995-00	RES, ADJ, CARBON 22K
SP1	1-503-937-11	SPEAKER
SW1	1-554-123-00	SWITCH, SLIDE (DX/LOCAL)
SW100	1-571-249-11	SWITCH, SLIDE (MW CH STEP)
SW101	1-570-331-11	SWITCH, SLIDE (ALARM)
T1	1-404-789-11	TRANSFORMER, IF
T100	1-449-138-11	TRANSFORMER, DC-DC CONVERTER
XC	1-577-028-11	VIBRATOR, CRYSTAL

ACCESSORY & PACKING MATERIAL

1-504-059-11	MAGNETIC EARPHONE (ME-20H)
*3-896-699-01	CUSHION
3-898-361-01	SHEET, PROTECTION
*3-899-903-01	INDIVIDUAL CARTON
3-990-148-11	(EXCEPT West Germany)...MANUAL, INSTRUCTION
3-990-148-41	(AEP, West Germany)...MANUAL, INSTRUCTION
3-990-148-51	(E).....MANUAL, INSTRUCTION

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SUPPLEMENT-2

File this supplement with the service manual.

Subject: Gray type has been added in AEP model.

Add the following parts in the service manual.

(Page 17)

No.	Part No.	Description
1	3-899-913-11	(GRAY) . . . NET, SPEAKER
3	X-3896-638-1	(GRAY) . . . CABINET ASSY, FRONT
5	1-571-351-21	(GRAY) . . . SWITCH, RUBBER KEY (PRESET)
6	1-571-454-21	(GRAY) . . . SWITCH, RUBBER KEY (BAND SELECT)
11	3-899-907-11	(GRAY) . . . LID, BATTERY CASE
13	3-899-924-51	(GRAY) . . . CABINET (REAR)

(Page 18)

58	3-899-911-11	(GRAY) ... KNOB (C) (RADIO/BUZZER)
60	3-899-910-11	(GRAY) ... KNOB (B) (VOLUME)
61	3-899-912-11	(GRAY) ... KNOB (D) (DX/LOCAL)
63	*3-899-908-11	(GRAY) ... CHASSIS

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

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Audio Group

-22-

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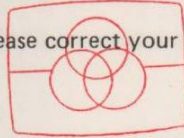
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SONY[®] SERVICE MANUAL

AEP Model
UK Model
E Model

CORRECTION-1

Please correct your service manual



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Page 6  : corrected portion

(INCORRECT)

LW FREQUENCY COVERAGE ADJUSTMENT		
Adjustment Part	Frequency Display	Reading on Digital Voltmeter ①.
CT4 	281 kHz	7 ±0.1 V

Note: Not use the AM rf signal generator in this adjustment.

(CORRECT)

LW FREQUENCY COVERAGE ADJUSTMENT		
Adjustment Part	Frequency Display	Reading on Digital Voltmeter ①.
CT4 	279 kHz	7 ±0.1 V

Note: Not use the AM rf signal generator in this adjustment.