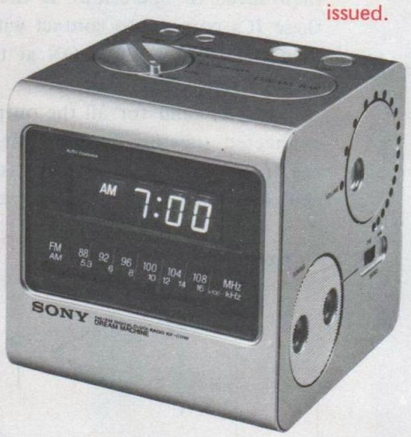
ICF-C11W

REVISED

Discard your ICF-C11W Service Manual previously issued.

US Model
Canadian Model
E Model
AEP Model
AUS Model



US, Canadian, E, AEP Model

	Suffix of Radio Board & Clock Board
Former Type	–11
New Type	–21

FM/AM DIGITAL CLOCK RADIO

SPECIFICATIONS

Frequency Range: FM 87.5–108 MHz
AM 530–1,605 kHz (566–187 m)

Antennas: FM: AC power cord antenna
AM: Built-in ferrite rod antenna

Speaker: Approx. 6.6 cm (2½ inches) dia.

Power Output: 200 mW (at 10% harmonic distortion)

Power Requirements: 120V ac, 60 Hz (US, Canadian, E2 model)
110–120, 220–240V ac, 50/60 Hz (E1 model)
220V ac, 50Hz (AEP model)
240V ac, 50Hz (AUS model)

Power Consumption: 5W ac (2,5W ac when only the clock is in operation)

Dimensions: Approx. 126(w) x 126(h) x 126(d) mm
5(w) x 5(h) x 5(d) inches
including projecting parts and controls

Weight: Approx. 810 g 1 lb 14 oz
(US, Canadian, E2 model)
Approx. 910 g, 2lb (E1 model, AEP, AUS model)

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS 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 UN TRAMÉ ET UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES, LES VUES EXPLOSÉES 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 DES SUPPLÉMENTS PUBLIÉS PAR SONY.

SONY®
SERVICE MANUAL

MODEL IDENTIFICATION

– Specification Label –

US, Canadian model

SONY® DREAM MACHINE
MODEL NO. ICF-C11W
FM/AM 2BANDS
AC: 120V 60 Hz 5W
MADE IN JAPAN
CERTIFICATION: COMPLYING WITH F.C.C. RULES PART 15.

AEP model

SONY®
MODEL NO. ICF-C11W
FM/AM 2 BANDS
AC: 220V ~ 50 Hz 5W
FTZ PRÜFNUMMER U-185
MADE IN [ ]

MALAYSIA OR JAPAN — PART NO.

AUS, E1, E2 model

SONY®
MODEL No. ICF-C11W
FM/AM 2 BANDS
[ ]
MADE IN [ ]
[ ]

AUS model	AC: 240V ~ 50 Hz 5W
E1 model	AC: 110–120V/220–240V 50/60 Hz 5W
E2 model	AC: 120V 60Hz 5W

MALAYSIA OR JAPAN — PART NO.

Handling Precautions for MOS ICs (IC: MM5387N . . . US, Canadian, E, AUS model / IC: HD38980C . . . AEP model)

Generally, the insulation resistance of the oxide layer in MOS IC structures is very high, and the oxide layer is very thin. Because of this, it is possible that the static voltages usually present on clothes and the human body will be enough to generate a potential difference across the insulator, high enough to cause a breakdown of the insulating layer.

The following precautions should be taken while handling these ICs.

(Particular care should be taken under conditions of low humidity.)

Precautions in Replacing MOS ICs

1. Store new ICs by inserting them into a urethane-polyester cushion (which is somewhat conductive), or wrapping it in aluminum foil, so that all the pins are at the same potential.
   (The ICs should be stored in that manner until mounted on the circuit board.)

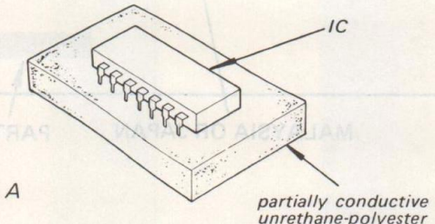


Fig. A

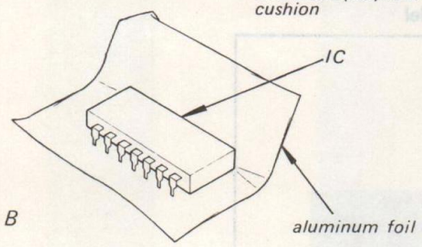


Fig. B

2. Check the soldering iron for possible power-line leakage current. Make sure that there is no leakage path by connecting an ohmmeter to the tip of the soldering iron and the plug as shown in Fig. C. If there is a leakage path, use some other soldering iron.

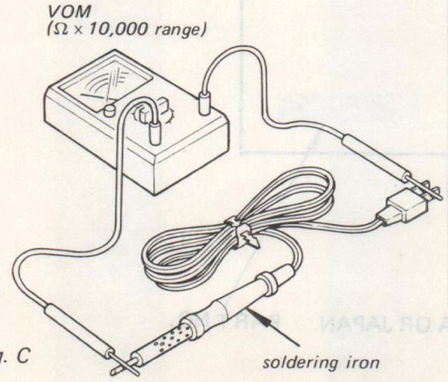


Fig. C

3. Equalize any potential difference between the clothes, the tools in use, the work bench, the set being worked on, and the packaged IC by touching them all in succession with the hands or a conductive wire or tool.

4. The following are effective methods for handling ICs that remove the potential difference across the oxide layer.
   - Use a paper clip modified by soldering in a wire braid insert.

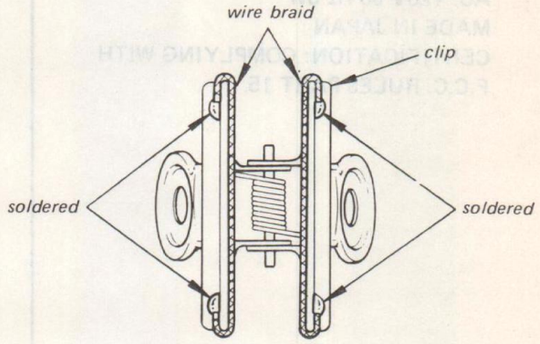


Fig. D

Make sure that there is no solder on the inside.

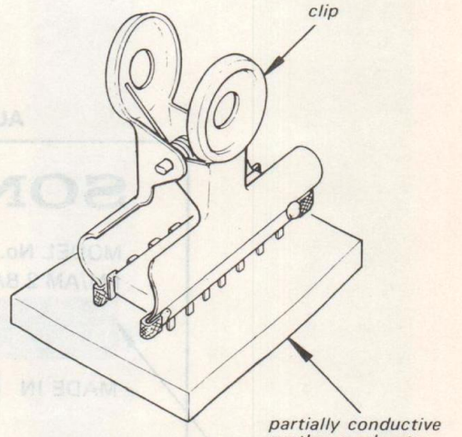
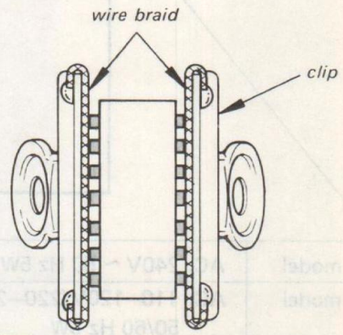


Fig. E



Make sure that all the pins are in contact with the wire braid (all the pins will then be at the same potential.).

Fig. F

- Take a short length of fine bare wire and wind it around the IC so that it shorts all the pins of the IC, while it is still in the urethane-polyester cushion or aluminum foil. This ensures that all the pins are at the same potential.

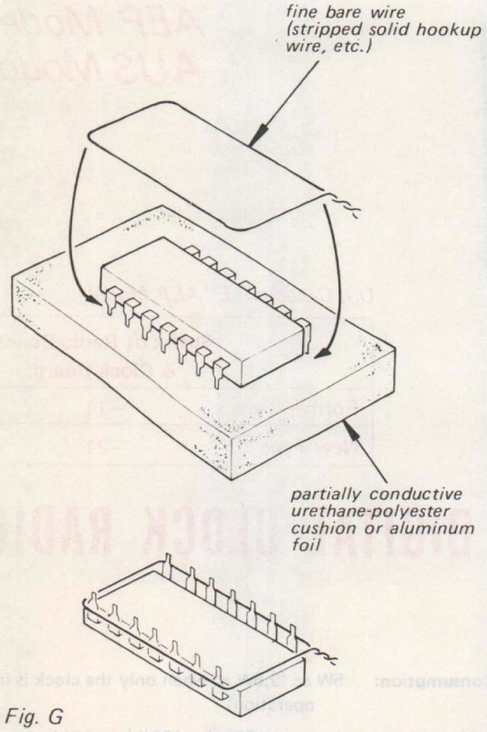


Fig. G

- When it is necessary to handle the IC with the fingers, do not touch any pin, and hold the IC at the ends of its plastic-package case as shown in Fig. H.

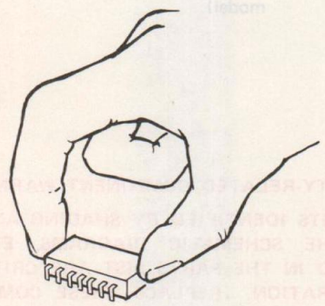


Fig. H

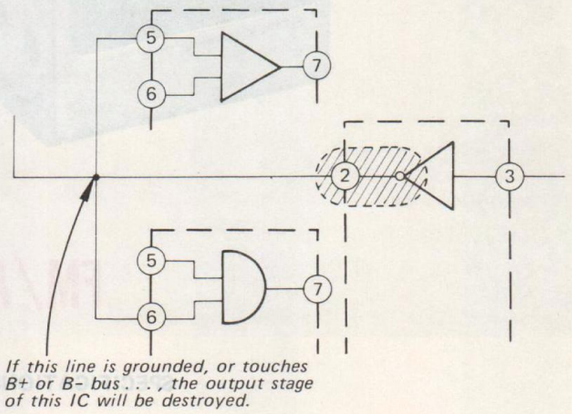
5. Method of Mounting
   Insert the IC while holding it with the modified clip, and solder all the pins with the clip still shorting the pins. (Similarly, solder all the pins while the bare shorting wire is still wound around them.). Remove the clip or the bare shorting wire only after all the pins have been soldered.

Precaution while Checking C-MOS ICs

The C-MOS ICs (Complementary MOS) are MOS ICs that have their output sections made up of N-channel and P-channel push-pull stages to increase their speed of operation. If the output terminal of these ICs comes into contact with B+ or B– voltage, then the FET which is ON at that time will either become shorted or open.

This is valid for all the output sections that are connected together by the interconnections. Even the circuits that are physically separated (and not on the same board) can be destroyed simultaneously.

Example:

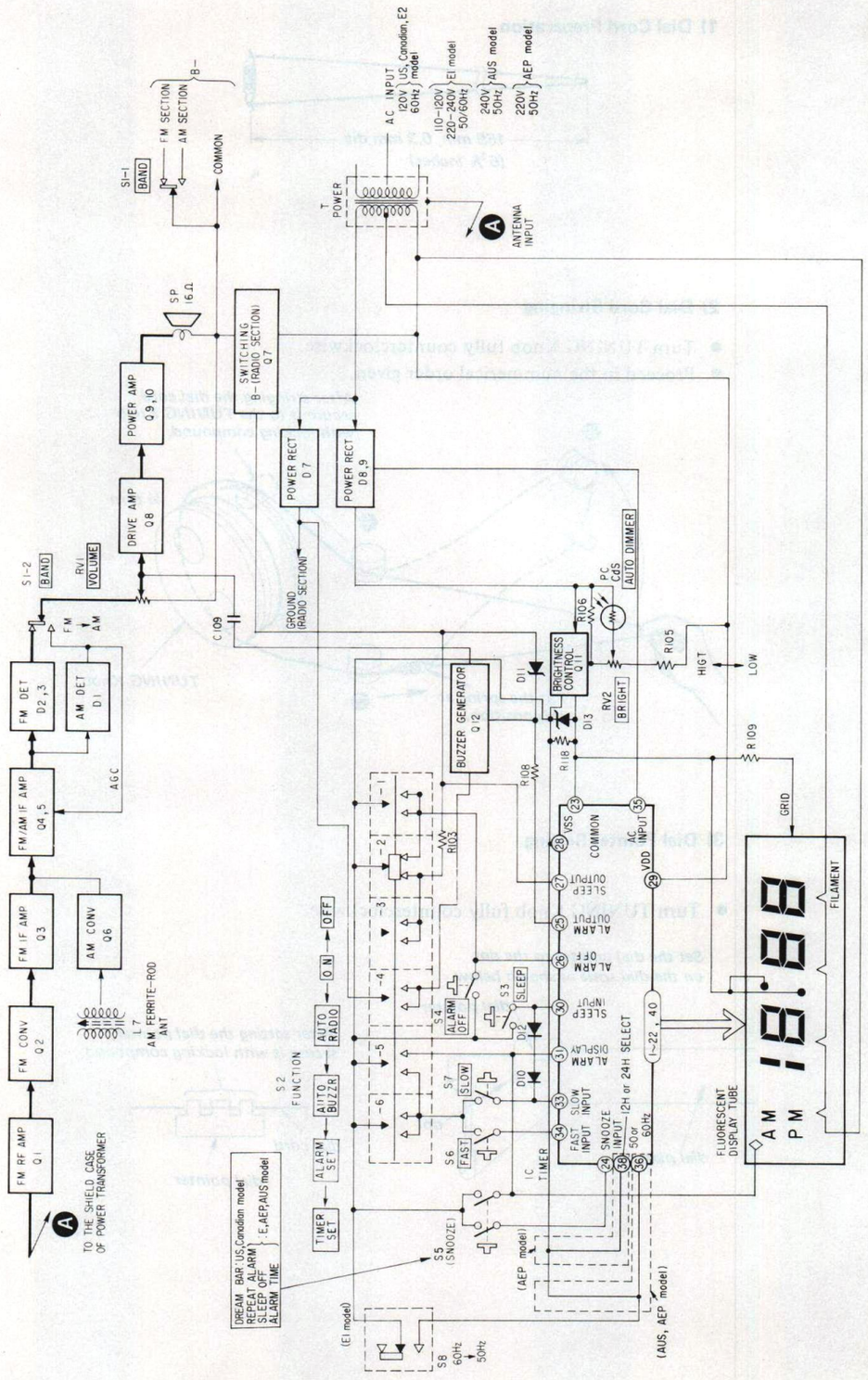


If this line is grounded, or touches B+ or B– bus . . . , the output stage of this IC will be destroyed.

Fig. I

SECTION 1
OUTLINE

1-1. BLOCK DIAGRAM



ICF-C11W

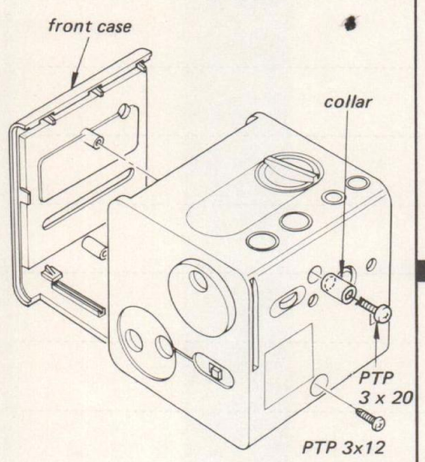
(MEMO)

SECTION 2
DISASSEMBLY

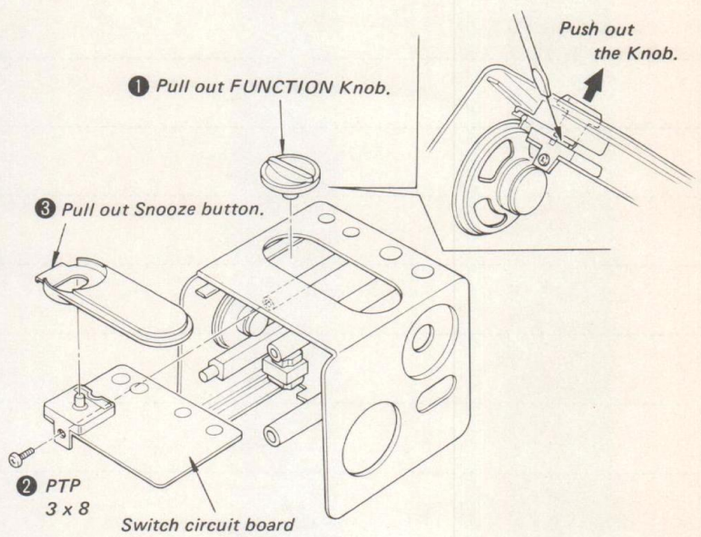
2-1. REMOVAL

- Follow the disassembly procedure in the numerical order given.

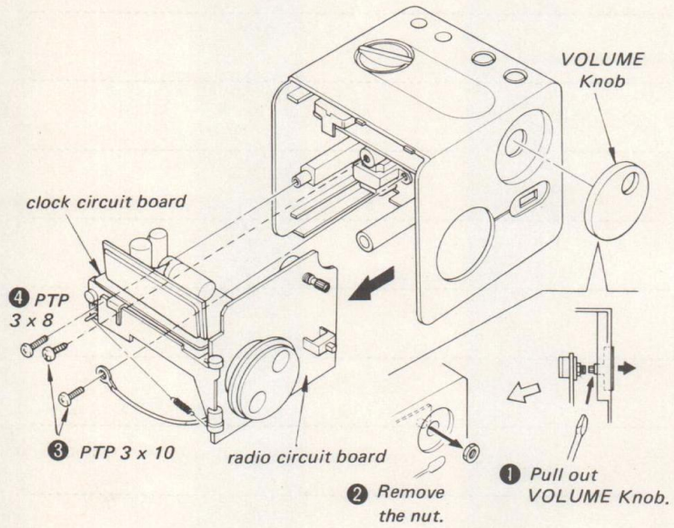
FRONT CASE REMOVAL



SWITCH CIRCUIT BOARD REMOVAL



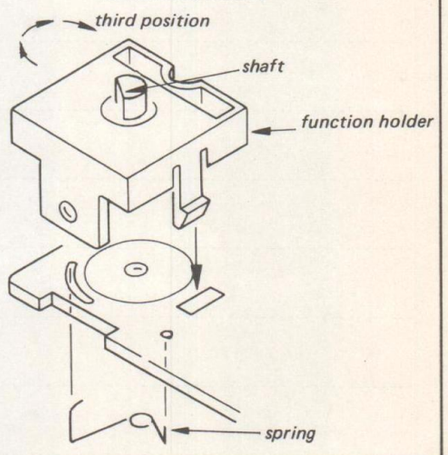
RADIO CIRCUIT BOARD AND CLOCK CIRCUIT BOARD REMOVAL



FUNCTION HOLDER INSTALLATION

For the set: The FUNCTION switch does not lock in the TIME SET position.

1. *Turn the shaft fully counterclockwise.*
2. *Turn it clockwise to the third position.*
3. *Then, install the FUNCTION switch in the function holder.*

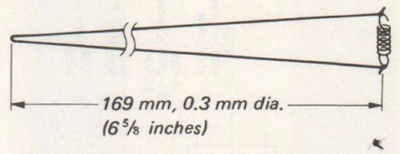


DIAL CORD STRINGING

• *See page 8.*

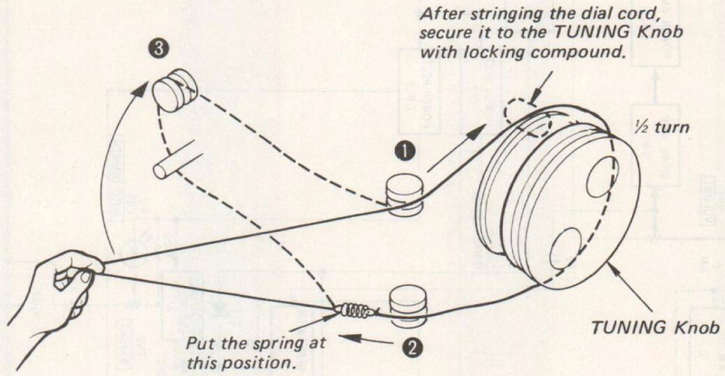
2-2. DIAL CORD STRINGING

1) Dial Cord Preparation



2) Dial Cord Stringing

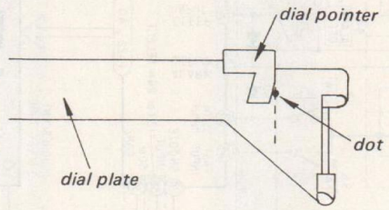
- Turn TUNING Knob fully counterclockwise.
- Proceed in the nummerical order given.



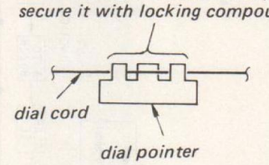
3) Dial Pointer Setting

- Turn TUNING Knob fully counterclockwise.

Set the dial pointer to the dot on the dial scale as shown below.

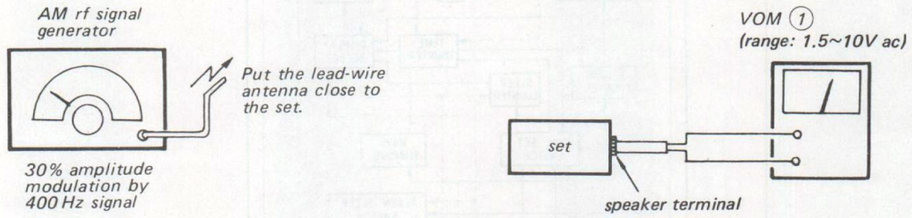


After setting the dial pointer, secure it with locking compound.



SECTION 3
ELECTRICAL ADJUSTMENTS

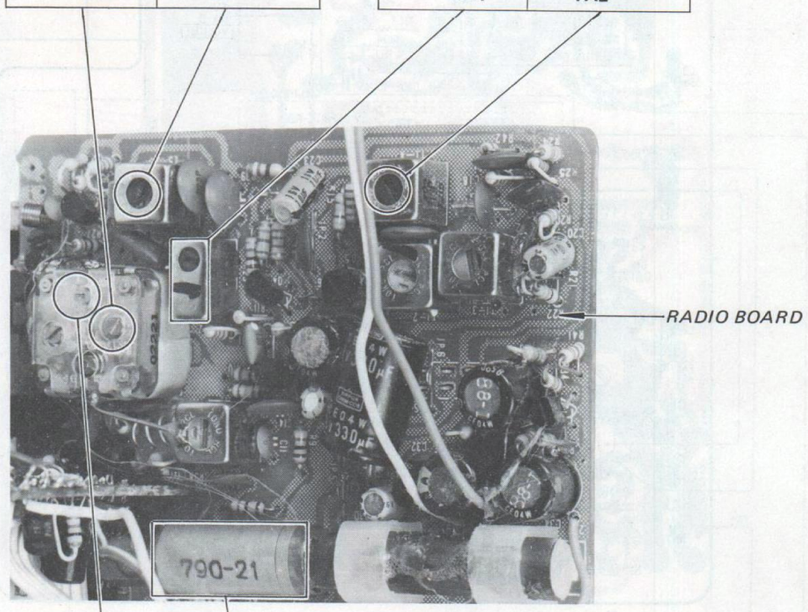
AM SECTION



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

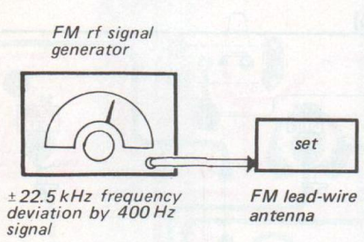
AM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VOM.	
1,680 kHz	520 kHz
CT4	L5

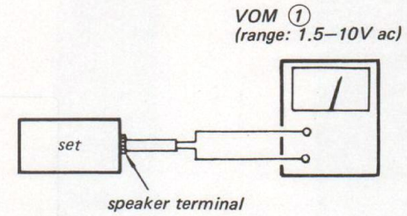
AM IF ALIGNMENT	
Adjust for a maximum reading on VOM.	
455 kHz	
TA1	TA2



CT3	L7
1,400 kHz	620 kHz
Adjust for a maximum reading on VOM.	
AM TRACKING ADJUSTMENT	

FM SECTION

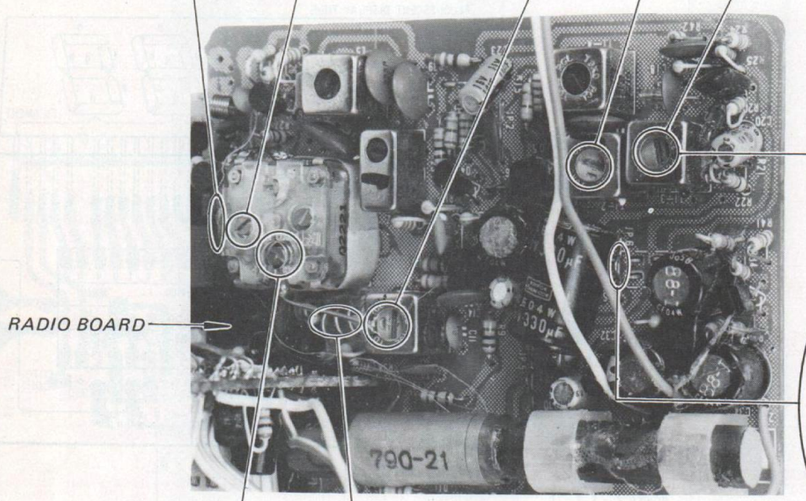




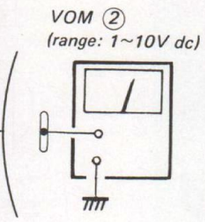
FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VOM ①.	
87.1 MHz (87.5 MHz)	108.5 MHz (108 MHz)
L2, 3	CT1

( ): in West Germany

FM IF ALIGNMENT 1		
Adjust for a maximum reading on VOM ①.		
10.7 MHz		
TF1	TF2	TF3



TF3
Adjust for 0V reading on VOM ②.
FM IF ALIGNMENT 2 (10.7 MHz with no modulation)

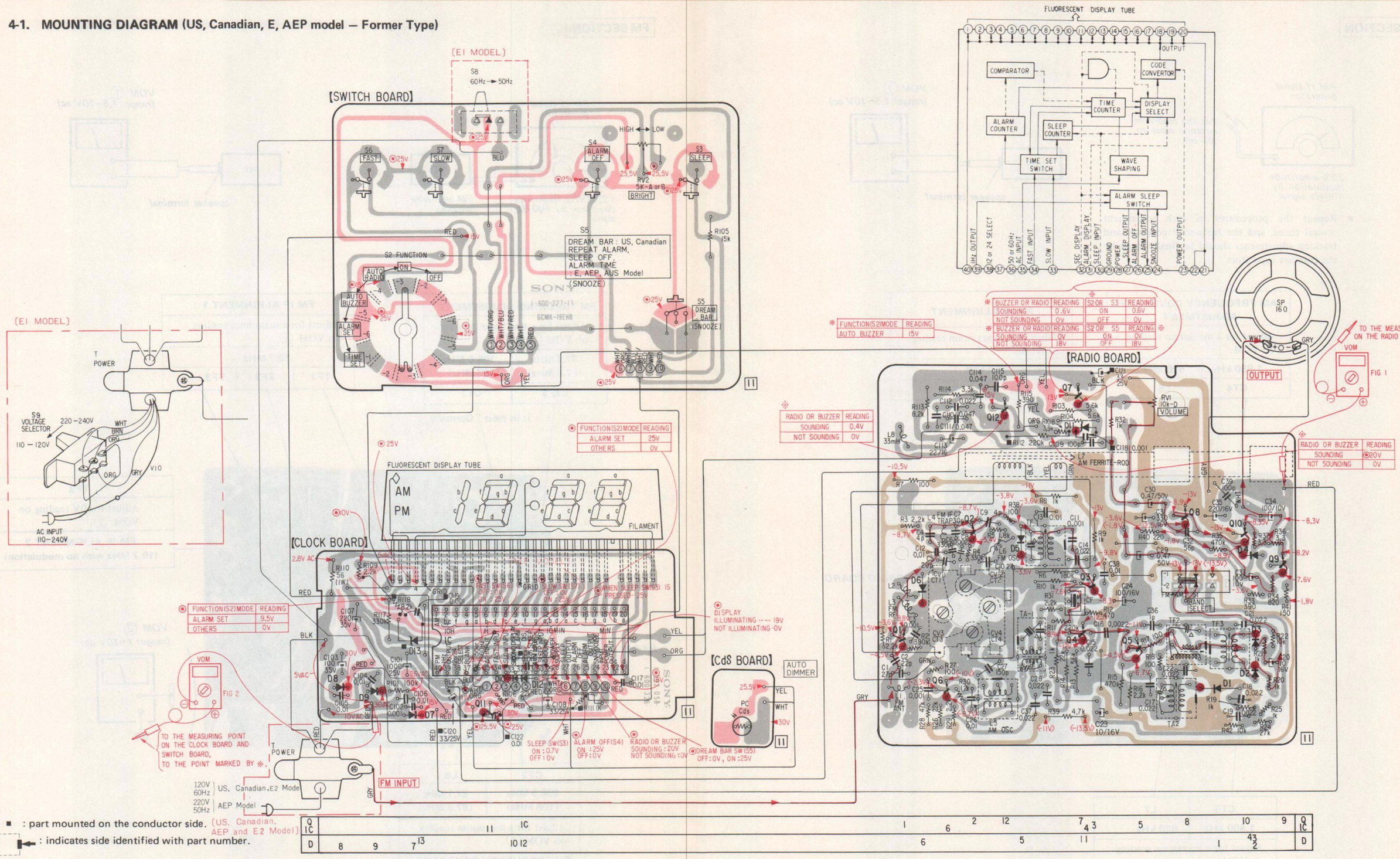


CT2	L6
108.5 MHz (108 MHz)	87.1 MHz (87.5 MHz)
Adjust for a maximum reading on VOM ①.	
FM FREQUENCY COVERAGE ADJUSTMENT	

( ): in West Germany

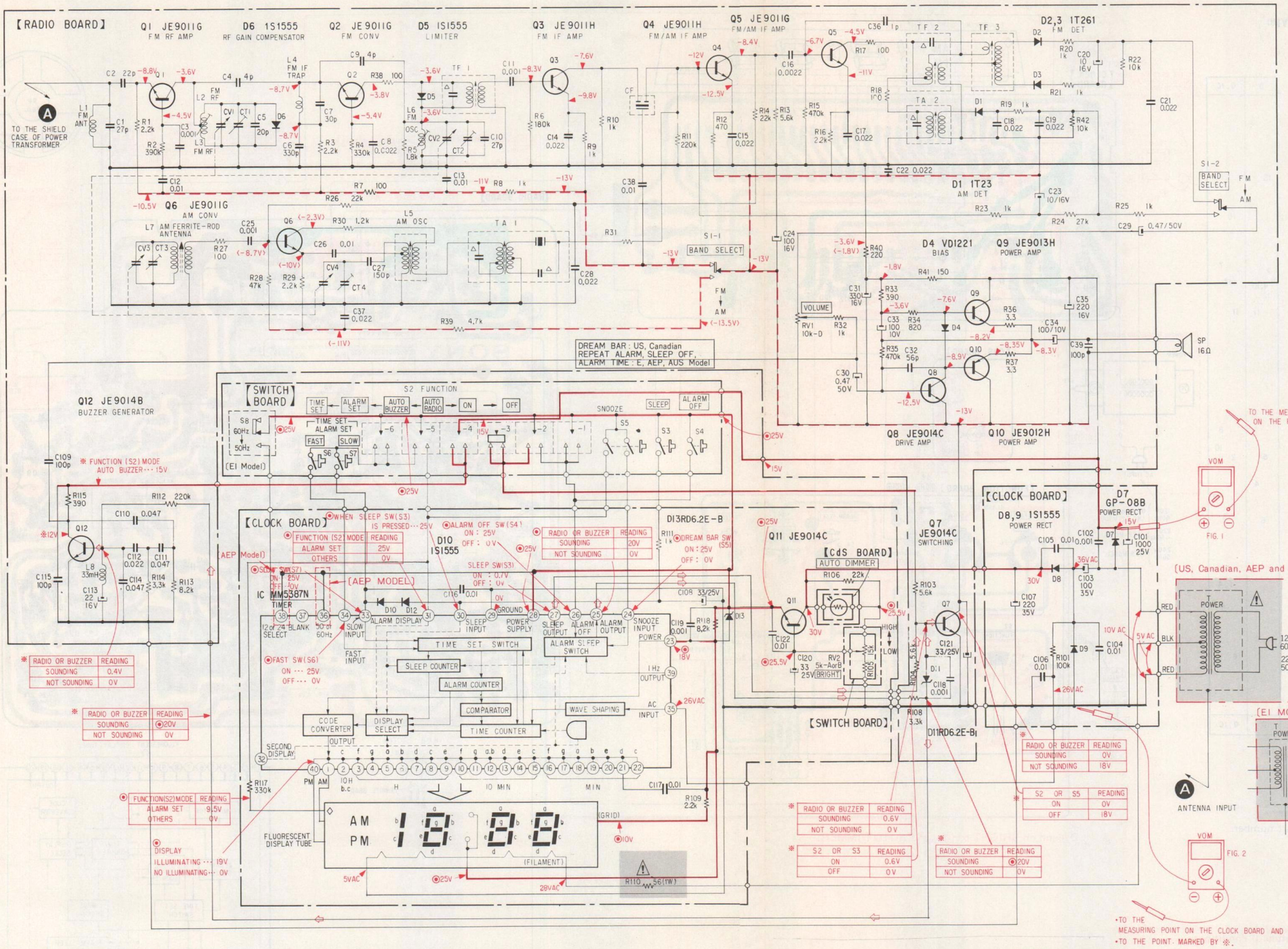
SECTION 4
DIAGRAMS

4-1. MOUNTING DIAGRAM (US, Canadian, E, AEP model — Former Type)



- ■ : part mounted on the conductor side. (US, Canadian, AEP and E2 Model)
- ▭ ▬◀ : indicates side identified with part number.
- ▬ : B+pattern
- ▬ : B–pattern
- Signal Path
- —▶— : FM
- Readings are taken under no signal (detuned) conditions with a VOM (20 kΩ/V).
  < >: AM
  no mark: FM
- ※ : Measured by VOM as illusted in FIG. 2
- ◉ : Depend on BRIGHT control and AUTO DIMMER.

4-2. SCHEMATIC DIAGRAM (US, Canadian, E, AEP model — Former Type)



FUNCTION (S2) MODE	READING
ALARM SET	25V
OTHERS	0V

RADIO OR BUZZER	READING
SOUNDING	20V
NOT SOUNDING	0V

※ RADIO OR BUZZER	READING
SOUNDING	0.4V
NOT SOUNDING	0V

※ RADIO OR BUZZER	READING
SOUNDING	⊙20V
NOT SOUNDING	0V

⊙ FUNCTION(S2)MODE	READING
ALARM SET	9.5V
OTHERS	0V

※ RADIO OR BUZZER	READING
SOUNDING	0.6V
NOT SOUNDING	0V

※ S2 OR S3	READING
ON	0.6V
OFF	0V

※ RADIO OR BUZZER	READING
SOUNDING	⊙20V
NOT SOUNDING	0V

※ RADIO OR BUZZER	READING
SOUNDING	0V
NOT SOUNDING	18V

※ S2 OR S5	READING
ON	0V
OFF	18V

- All capacitors are in μF unless otherwise noted. pF = μμF 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, ¼W unless otherwise noted. kΩ = 1000Ω, MΩ = 1000 kΩ
- △ : internal component.
- ——— : B+ bus.
- ▭ : panel designation.
- - - - : B− bus.
- Readings are taken under no signal (detuned) conditions with a VOM (20 kΩ/V).
  < > : AM
  no mark : FM
  ※ : Measured by VOM as illusted in Fig 2.
- Voltage variations may be noted due to normal production tolerances.
- ⇨ : B+ bus (when the FUNCTION switch is in AUTO RADIO, AUTO BUZZER or SLEEP position)
- Switch

Ref. No.	Switch	Position
S1	BAND SELECT	FM
S2	FUNCTION	AUTO RADIO
S3	SLEEP	OFF
S4	ALARM OFF	OFF
S5	DREAM BAR: US, Canadian Model REPEAT ALARM, SLEEP OFF, ALARM TIME: E, AEP, AUS Model (SNOOZE)	OFF
S6	FAST	OFF
S7	SLOW	OFF
S8 (E1 model)	50/60 Hz	60 Hz
S9 (E1 model)	Voltage Selector 110–120V, 220–240V	220–240V

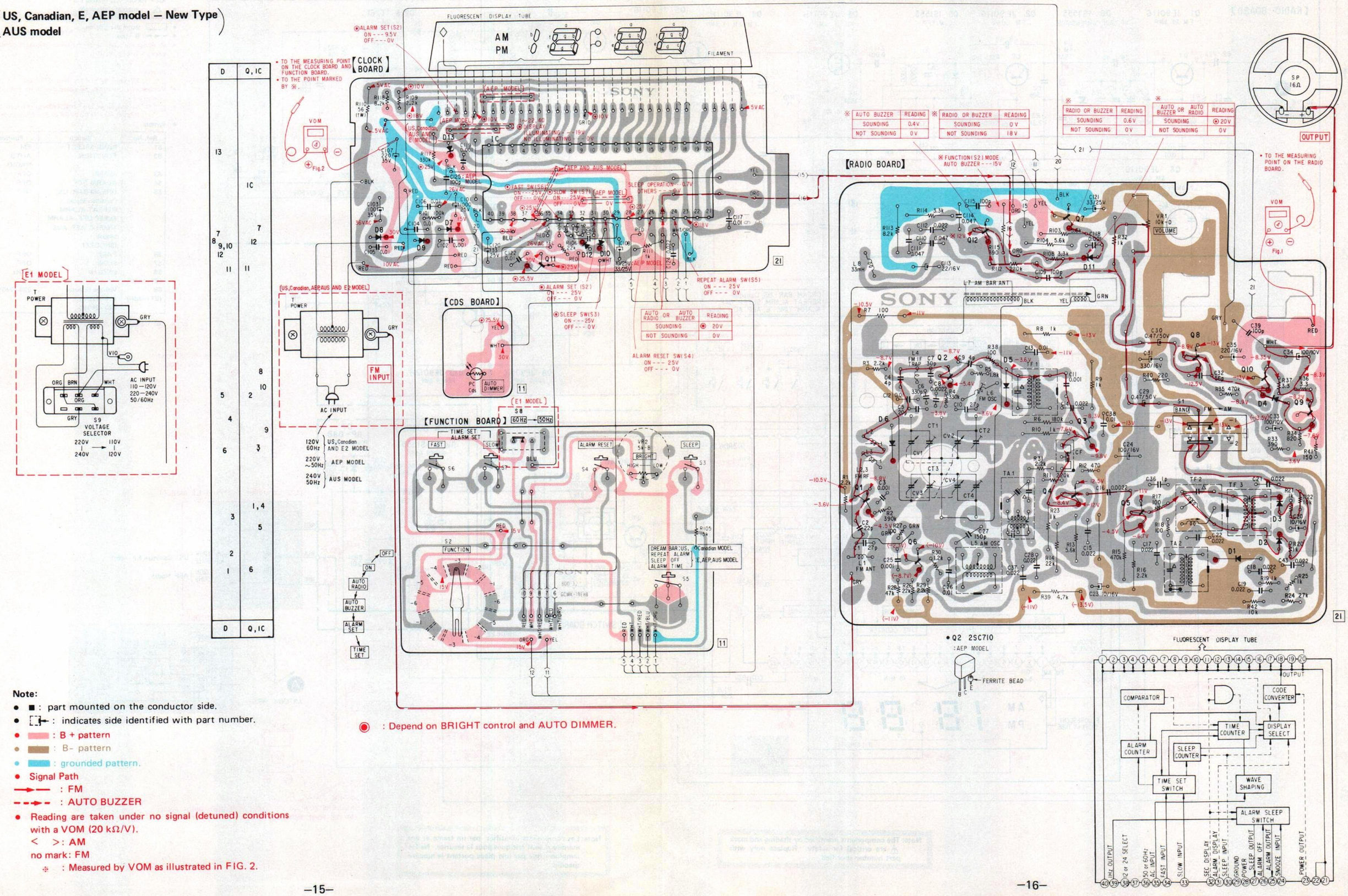
- ⊙ : Depend on BRIGHT control and AUTO DIMMER

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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

4-3. MOUNTING DIAGRAM

(US, Canadian, E, AEP model – New Type
AUS model)



• Q2 2SC710
:AEP MODEL

Note:

- ■ : part mounted on the conductor side.
- [ ]— : indicates side identified with part number.
- : B + pattern
- : B- pattern
- : grounded pattern.
- Signal Path
- —→— : FM
- - -→- - : AUTO BUZZER
- Reading are taken under no signal (detuned) conditions with a VOM (20 kΩ/V).
  < >: AM
  no mark: FM
- ⌖ : Measured by VOM as illustrated in FIG. 2.

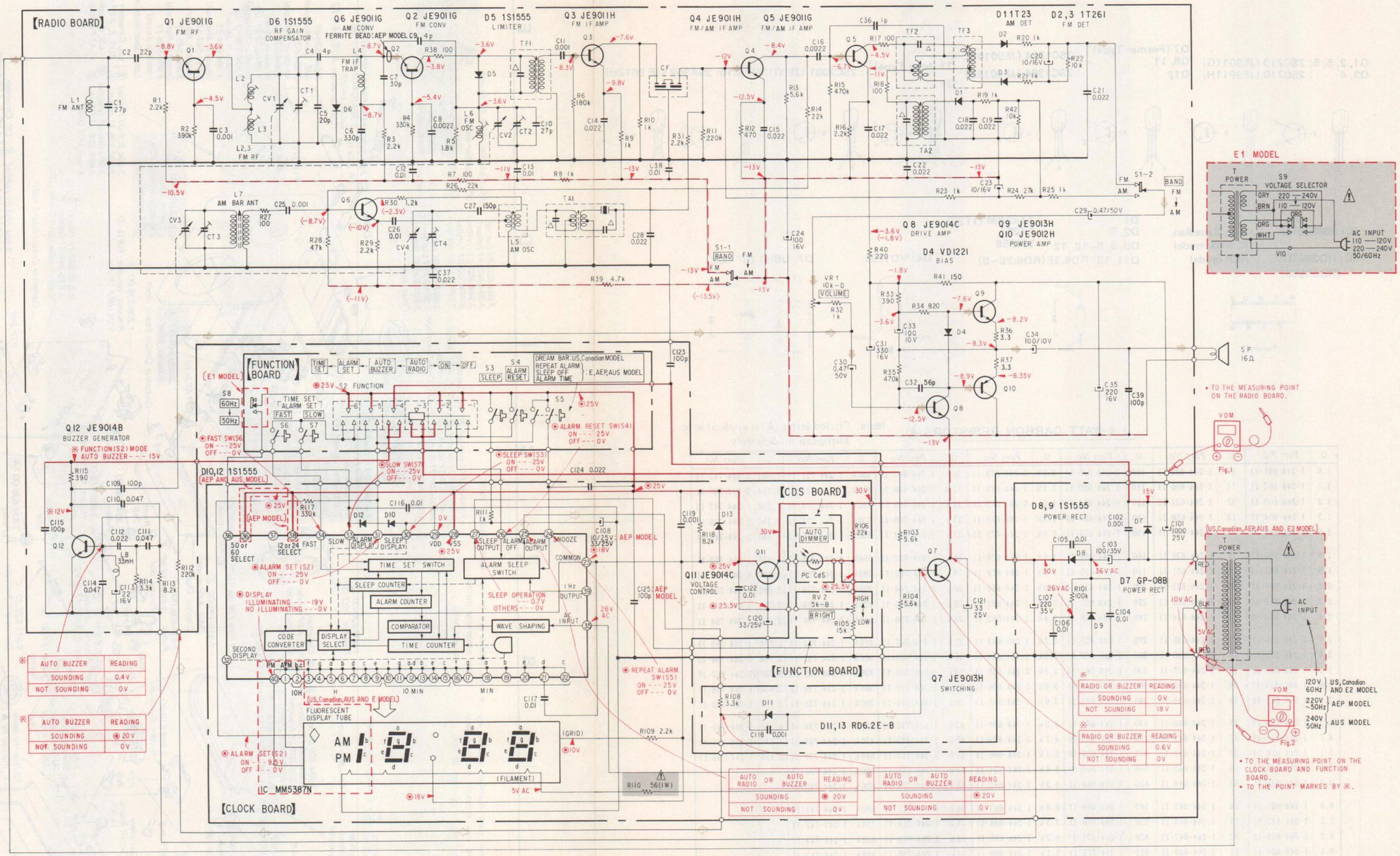
◉ : Depend on BRIGHT control and AUTO DIMMER.

(US, Canadian, E, AEP model – New Type
AUS model

- All capacitors are in μF unless otherwise noted. pF = μμF
  50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, ¼W unless otherwise noted.
  kΩ = 1000Ω, MΩ = 1000 kΩ
- △ : internal component.
- ——— : B+bus.
- ▭ : panel designation.
- – – – : B–bus.
- Readings are taken under no signal (detuned) conditions with a VOM (20 kΩ/V).
  < > : AM
  no mark: FM
  ⏚ : Measured by VOM as illusted in Fig 2.
- Voltage variations may be noted due to normal production tolerances.
- ⇒ : BUZZER signal
- ➡ : FM signal
- ⇨ : B+ bus (when the FUNCTION switch is in AUTO BUZZER)
- Switch

Ref. No.	Switch	Position
S1	BAND SELECT	FM
S2	FUNCTION	AUTO RADIO
S3	SLEEP	OFF
S4	ALARM RESET	OFF
S5	REPEAT ALARM SLEEP OFF ALARM TIME	OFF
S6	FAST	OFF
S7	SLOW	OFF
S8	50/60 Hz	60 Hz
(Elmodel)		
S9	Voltage Selector	220–240V
(Elmodel)	110–120V, 220–240V	

- ◉ : Depend on BRIGHT control and AUTO DIMMER



※ AUTO BUZZER	READING
SOUNDING	0.4V
NOT SOUNDING	0V

※ AUTO BUZZER	READING
SOUNDING	◉ 20V
NOT SOUNDING	0V

※ AUTO OR AUTO RADIO BUZZER	READING
SOUNDING	◉ 20V
NOT SOUNDING	0V

※ AUTO OR AUTO RADIO BUZZER	READING
SOUNDING	◉ 20V
NOT SOUNDING	0V

※ RADIO OR BUZZER	READING
SOUNDING	0V
NOT SOUNDING	18V

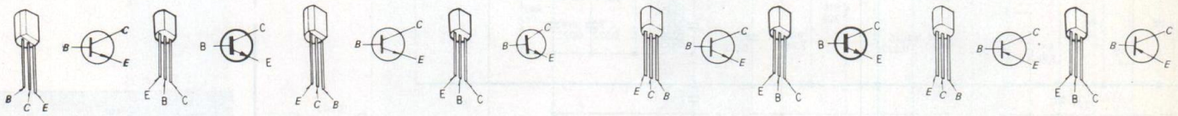
※ RADIO OR BUZZER	READING
SOUNDING	0.6V
NOT SOUNDING	0V

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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

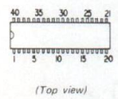
- **Replacement Semiconductors**
  For replacement, use semiconductors except in ( ).

Q1, 2, 5, 6: 2SC710 (JE9011G)
Q3, 4 : 2SC710 (JE9011H)
Q7 (Former Type), Q8, 11, Q12 : 2SC1364 (JE9014C)
: 2SC1364 (JE9014B)
Q7 (New Type), Q9 : 2SC2001 (JE9013H) Q10: 2SA952 (JE 9012H)

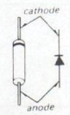


IC: MM5387N ... US , Canadian, E, AUS model
IC: HD3898OC ... AEP model (HD38988)

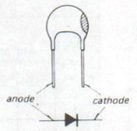
D1 : 1T22AM (1T23)
D2, 3 : 1T261
D5, 6, 8–10, 12 : 1S1555
D11, 13: RD6.2E (RD6.2E–B)



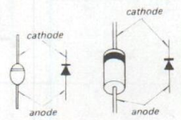
(Top view)



D4: VD1221



D7: U05G (GP-08B)

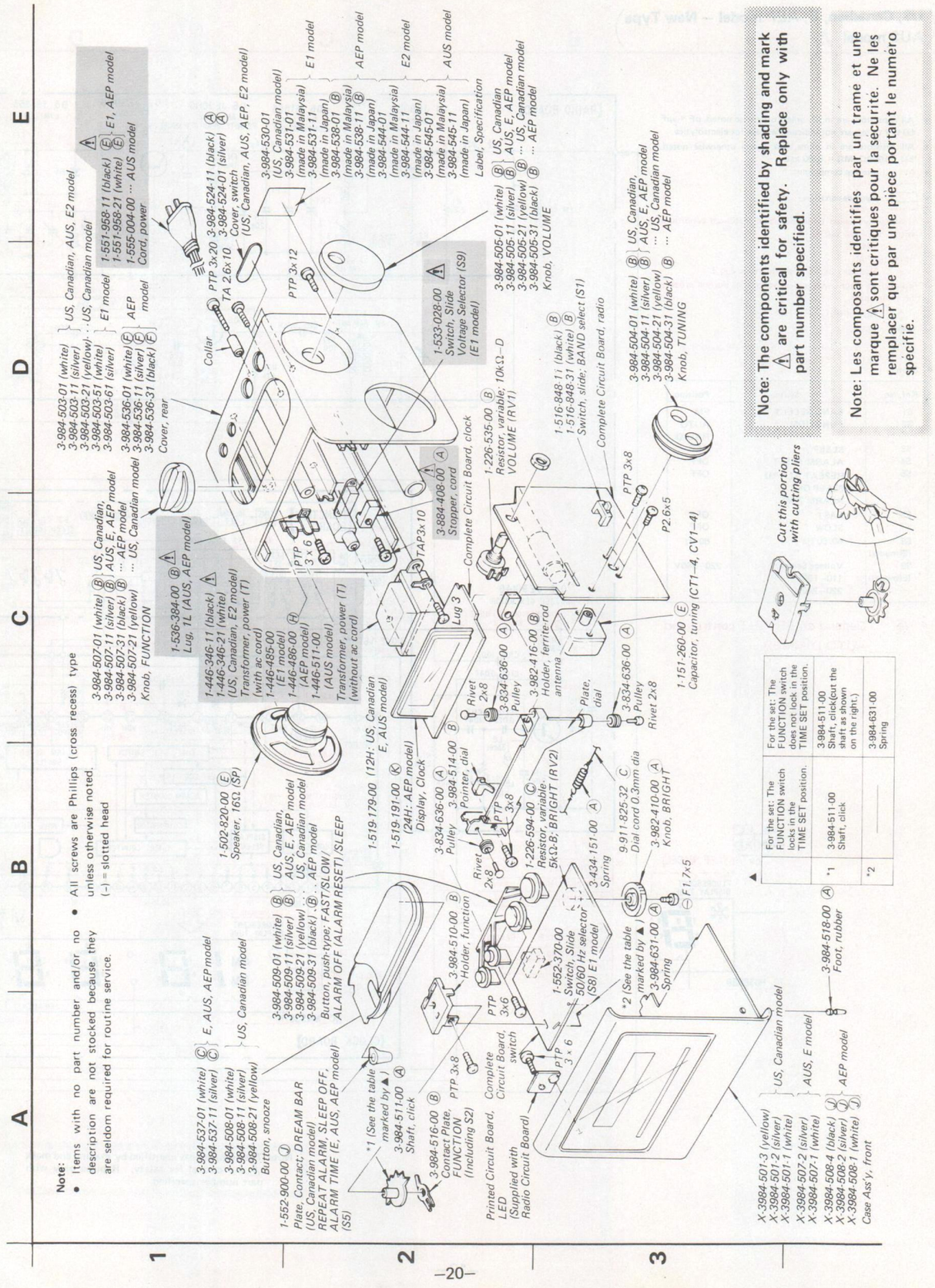


1/4 WATT CARBON RESISTORS Ⓐ

Note: Circled letter Ⓐ is applicable to European models only.

Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
1.0	1-244-601-11	10	1-244-625-11	100	1-244-649-11	1.0k	1-244-673-11	10 k	1-244-697-11	100 k	1-244-721-11	1.0M	1-244-745-11
1.1	1-244-602-11	11	1-244-626-11	110	1-244-650-11	1.1k	1-244-674-11	11 k	1-244-698-11	110 k	1-244-722-11	1.1M	1-244-746-11
1.2	1-244-603-11	12	1-244-627-11	120	1-244-651-11	1.2k	1-244-675-11	12 k	1-244-699-11	120 k	1-244-723-11	1.2M	1-244-747-11
1.3	1-244-604-11	13	1-244-628-11	130	1-244-652-11	1.3k	1-244-676-11	13 k	1-244-700-11	130 k	1-244-724-11	1.3M	1-244-748-11
1.5	1-244-605-11	15	1-244-629-11	150	1-244-653-11	1.5k	1-244-677-11	15 k	1-244-701-11	150 k	1-244-725-11	1.5M	1-244-749-11
1.6	1-244-606-11	16	1-244-630-11	160	1-244-654-11	1.6k	1-244-678-11	16 k	1-244-702-11	160 k	1-244-726-11	1.6M	1-244-750-11
1.8	1-244-607-11	18	1-244-631-11	180	1-244-655-11	1.8k	1-244-679-11	18 k	1-244-703-11	180 k	1-244-737-11	1.8M	1-244-751-11
2.0	1-244-608-11	20	1-244-632-11	200	1-244-656-11	2.0k	1-244-680-11	20 k	1-244-704-11	200 k	1-244-728-11	2.0M	1-244-752-11
2.2	1-244-609-11	22	1-244-633-11	220	1-244-657-11	2.2k	1-244-681-11	22 k	1-244-705-11	220 k	1-244-729-11	2.2M	1-244-753-11
2.4	1-244-610-11	24	1-244-634-11	240	1-244-658-11	2.4k	1-244-682-11	24 k	1-244-706-11	240 k	1-244-730-11	2.4M	1-244-754-11
2.7	1-244-611-11	27	1-244-635-11	270	1-244-659-11	2.7k	1-244-683-11	27 k	1-244-707-11	270 k	1-244-731-11	2.7M	1-244-755-11
3.0	1-244-612-11	30	1-244-636-11	300	1-244-660-11	3.0k	1-244-684-11	30 k	1-244-708-11	300 k	1-244-732-11	3.0M	1-244-756-11
3.3	1-244-613-11	33	1-244-637-11	330	1-244-661-11	3.3k	1-244-685-11	33 k	1-244-709-11	330 k	1-244-733-11	3.3M	1-244-757-11
3.6	1-244-614-11	36	1-244-638-11	360	1-244-662-11	3.6k	1-244-686-11	36 k	1-244-710-11	360 k	1-244-734-11	3.6M	1-244-758-11
3.9	1-244-615-11	39	1-244-639-11	390	1-244-663-11	3.9k	1-244-687-11	39 k	1-244-711-11	390 k	1-244-735-11	3.9M	1-244-759-11
4.3	1-244-616-11	43	1-244-640-11	430	1-244-664-11	4.3k	1-244-688-11	43 k	1-244-712-11	430 k	1-244-736-11	4.3M	1-244-760-11
4.7	1-244-617-11	47	1-244-641-11	470	1-244-665-11	4.7k	1-244-689-11	47 k	1-244-713-11	470 k	1-244-737-11	4.7M	1-244-761-11
5.1	1-244-618-11	51	1-244-642-11	510	1-244-666-11	5.1k	1-244-690-11	51 k	1-244-714-11	510 k	1-244-738-11	5.1M	1-244-762-11
5.6	1-244-619-11	56	1-244-643-11	560	1-244-667-11	5.6k	1-244-691-11	56 k	1-244-715-11	560 k	1-244-739-11		
6.2	1-244-620-11	62	1-244-644-11	620	1-244-668-11	6.2k	1-244-692-11	62 k	1-244-716-11	620 k	1-244-740-11		
6.8	1-244-621-11	68	1-244-645-11	680	1-244-669-11	6.8k	1-244-693-11	68 k	1-244-717-11	680 k	1-244-741-11		
7.5	1-244-622-11	75	1-244-646-11	750	1-244-670-11	7.5k	1-244-694-11	75 k	1-244-718-11	750 k	1-244-742-11		
8.2	1-244-623-11	82	1-244-647-11	820	1-244-671-11	8.2k	1-244-695-11	82 k	1-244-719-11	820 k	1-244-743-11		
9.1	1-244-624-11	91	1-244-648-11	910	1-244-672-11	9.1k	1-244-696-11	91 k	1-244-720-11	910 k	1-244-744-11		

SECTION 5
EXPLODED VIEW



SECTION 6
ELECTRICAL PARTS LIST

Ref. No.	Part No.		Description
SEMICONDUCTORS			
Transistors			
⇒Q1–6	8-729-671-13	(B)	2SC710
Q7 (Former Type) Q8	8-729-663-47	(C)	2SC1364
⇒ Q7 (New Type) ⇒ Q9	8-729-100-13	(B)	2SC2001
⇒Q10	8-729-195-23	(B)	2SA952
⇒Q11, 12	8-729-663-47	(C)	2SC1364
IC	8-759-953-87		MM 5387N (US, Canadian E, AUS model)
⇒ IC	8-759-389-80	(H)	HD38980C (AEP model)
Diodes			
⇒D1	8-719-422-21	(B)	1T22AM
D2, 3	8-719-026-11	(A)	1T261
D4	8-719-122-10	(B)	VD1221
D5, 6	8-719-815-55	(B)	1S1555
⇒D7	8-719-911-55	(B)	U05G
D8–10, 12	8-719-815-55	(B)	1S1555
⇒D11, 13	8-719-162-07	(B)	RD6.2E
COILS			
L5	1-405-811-00	(H)	AM OSC
L7	1-401-790-00	(C)	AM Ferrite-rod Antenna
TRANSFORMERS			
T	⚠1-446-346-11		Transformer, power; black (with ac cord) (US, Canadian, E2 model)
T	⚠1-446-346-21		Transformer, power; white (with ac cord) (US, Canadian, E2 model)
T	⚠1-446-485-00		Transformer, power (E1 model)
T	⚠1-446-486-00	(H)	Transformer, power (AEP model)
T	⚠1-446-511-00		Transformer, power (AUS model)
TA1	1-403-163-00	(B)	CFZ
TA2	1-403-965-00	(B)	AM IFT
TF1	1-404-201-00	(B)	FM IFT
TF2	1-403-903-00	(B)	FM Discriminator
TF3	1-403-902-00	(B)	FM Discriminator
CF	1-527-184-XX	(B)	FM Ceramic Filter

Note: Circled letters ((A) to (Z)) are applicable to European models only.

⇒: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Ref. No.	Part No.		Description		
CAPACITORS					
All capacitors are in μF and ceramic unless otherwise noted. 50WV or less are not indicated except for electrolytics. p : μμF, elect : electrolytic					
C1	1-102-961-00	(A)	27p		
C2	1-102-959-00	(A)	22p		
C3	1-101-001-00	(A)	0.001		
C4	1-102-941-00	(A)	4p		
C5	1-102-958-00	(A)	20p		
C6	1-102-112-00	(A)	330p		
C7	1-102-962-00	(A)	30p		
C8	1-101-002-00	(A)	0.0022		
C9	1-102-941-00	(A)	4p		
C10	1-102-806-00	(A)	27p		
C11	1-101-001-00	(A)	0.001		
C12, 13	1-101-004-00	(A)	0.01		
C14, 15	1-101-005-00	(A)	0.022		
C16	1-101-002-00	(A)	0.0022		
C17	1-101-005-00	(A)	0.022		
C18, 19	1-108-242-00	(A)	0.022		mylar
C20	1-121-651-00	(A)	10	16V	elect
C21	1-108-242-00	(A)	0.022		mylar
C22	1-101-005-00	(A)	0.022		
C23	1-121-651-00	(A)	10	16V	elect
C24	1-121-415-00	(A)	100	16V	elect
C25	1-101-001-00	(A)	0.001		
C26	1-108-239-00	(A)	0.01		mylar
C27	1-107-089-00	(A)	150p		
C28	1-101-005-00	(A)	0.022		
C29, 30	1-121-726-00	(A)	0.47	50V	elect
C31	1-123-069-00	(A)	330	16V	eelct
C32	1-102-884-00	(A)	56p		
C33, 34	1-121-414-00	(A)	100	10V	elect
C35	1-123-321-00	(B)	220	16V	elect
C36	1-102-938-00	(B)	1p		
C37	1-101-005-00	(A)	0.022		
C38	1-101-004-00	(A)	0.01		
C39	1-102-973-00	(A)	100p		
C101	1-121-657-00	(B)	1000	25V	elect
C102	1-101-001-00	(A)	0.001		
C103	1-121-357-00	(B)	100	35V	elect
C104–106	1-101-004-00	(A)	0.01		
C107	1-121-422-00	(B)	220	25V	elect
C108	1-121-398-00	(A)	10	25V	elect (AEP model)

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

Ref. No.	Part No.		Description	
C108	1-121-404-00	Ⓐ 33	25V	elect (US, Canadian, E, AUS model)
C109	1-102-973-00	Ⓐ 100p		
C110, 111	1-108-246-00	Ⓐ 0.047		mylar
C112	1-108-242-00	Ⓐ 0.022		mylar
C113	1-121-479-00	Ⓐ 22	16V	elect
C114	1-108-246-00	Ⓐ 0.047		mylar
C115	1-102-973-00	Ⓐ 100p		
C116, 117	1-101-004-00	Ⓐ 0.01		
C118, 119	1-101-001-00	Ⓐ 0.001		
C120, 121	1-121-404-11	Ⓐ 33	25V	elect
C122	1-101-004-00	Ⓐ 0.01		
C123	1-102-973-00	Ⓐ 100p		
C124	1-101-005-00	Ⓐ 0.022		
(CT1–4, CV1–4)	1-151-260-00	Ⓔ Capacitor, tuning		

RESISTORS

All resistors are in ohms. Common ¼W carbon resistors are omitted. Refer to the list on page 19 for their part numbers.

R110	⚠1-213-128-00	Ⓑ 56	1W	metal oxide
RV1	1-226-535-00	Ⓑ 10k-D variable, VOLUME		
RV2	1-226-594-00	Ⓒ 5k-B variable, BRIGHT		

SWITCHES

S1	1-516-848-11	Ⓑ Switch, slide; BAND select (black)
S1	1-516-848-31	Ⓑ Switch, slide; BAND select (white)
S2	3-984-516-00	Ⓑ Switch, contact plate; FUNCTION
S5	1-552-900-00	Ⓙ Switch, contact plate; DREAM BAR (US, Canadian model) REPEAT ALARM, SLEEP OFF, ALARM TIME (E, AUS, AEP model)
S3, 4, 6, 7	3-984-525-00	Ⓐ Holder, contact plate } SLEEP,
	3-984-526-00	Ⓐ Cover, plate } ALARM OFF,
	3-984-553-00	Ⓐ Plate, contact } SLOW, FAST
S8	1-552-370-00	Switch, slide: 50/60 Hz Selector (E1 model)
S9	⚠1-553-028-00	Switch, slide: Voltage Selector (E1 model)

Note: Circled letters (Ⓐ to Ⓩ) are applicable to European models only.

Ref. No.	Part No.	Description
		MISCELLANEOUS
PC	1-800-779-00	Ⓒ Photoconductive Cell
SP	1-502-820-00	Ⓔ Speaker 16Ω
	1-519-179-00	Display, clock; 12H (US, Canadian, E, AUS model)
	1-519-191-00	Ⓚ Display, clock; 24H (AEP model)
	⚠1-536-384-00	Ⓑ Plate, 1ug; 1L (AEP, AUS model)
	⚠1-551-958-11	Ⓔ Cord, power; black (E1, AEP model)
	⚠1-551-958-21	Ⓔ Cord, power; white (E1, AEP model)
	⚠1-555-004-00	Cord, power (AUS model)

ACCESSORIES & PACKING MATERIALS

Part No.	Description	
3-848-514-00	Ⓑ Mat, protection	
3-984-521-00	Carton (US model)	
3-984-523-00	Carton (Canadian model)	
3-984-541-00	Carton (made in Japan)	E, AUS model
3-984-542-00	Carton (made in Malaysia)	E, AUS model
3-984-558-00	Ⓓ Carton (made in Malaysia)	AEP model
3-984-559-00	Ⓓ Carton (made in Japan)	AEP model
3-995-856-11	Manual, instruction (E1 model)	
3-995-856-21	Manual, instruction (US, Canadian model)	
3-995-856-51	Manual, instruction (E2 model)	
3-993-199-31	Manual, instruction; French (Canadian model)	
3-984-522-00	Ⓑ Cushion	

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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

9-950-462-02

Sony Corporation

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