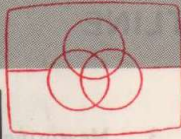


ICF-C3W



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SERVICE MANUAL REVISED

*US Model
Canadian Model
AEP Model
Australian Model*



Photo: Canadian Model

SPECIFICATIONS


Frequency range	FM Except WG model: 87.6 – 108 MHz WG model: 87.6 – 107 MHz
Antennas	AM 530 – 1,605 kHz FM: AC power cord antenna AM: Built-in ferrite bar antenna
Speaker	Approx. 6.6 cm (2½ inches) dia.
Power output	200 mW (at 10 % harmonic distortion)
Power requirements	US, Canadian model: 120 V ac, 60 Hz AEP, WG model: 220 V ac, 50 Hz AUS model: 240 V ac, 50 Hz
Power consumption	Except AUS model: 6W ac (3 W ac when only the clock is in operation) AUS model: 5 W ac (3 W ac when only the clock is in operation)
Dimensions	Approx. 192 x 71 x 132 mm (w/h/d) (7 5/8 x 2 7/8 x 5 1/4 inches) incl. projecting parts and controls
Weight	Approx. 800 g (1 lb 13 oz)

FEATURES



- High quality FM/AM radio combined with an electronic digital alarm clock and sleep timer.
- Easy-to-read red LED display of time and AM/PM indication.
- All controls grouped on the upper panel.
- Choice of awakening to radio or buzzer alarm.
- 24-hour alarm preset system automatically turns alarm on at the same time each day.
- Dream bar (US, Canadian model) or Repeat alarm (AEP, WG, AUS model), feather light to operate, and having three functions; snooze alarm, sleep timer off, and instant alarm time readout.

WG model: West Germany model
AUS model: Australian model

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE  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.

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.



FM/AM DIGITAL CLOCK RADIO SONY®

SECTION 1 OUTLINE

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)

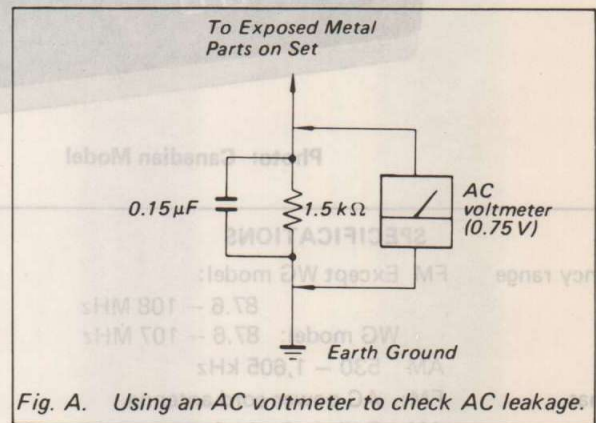
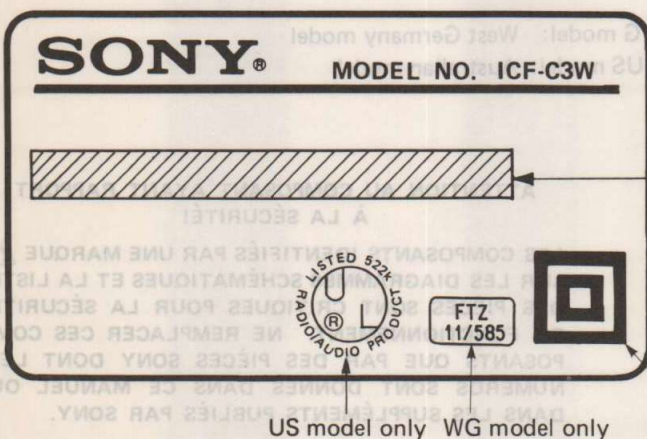


Fig. A. Using an AC voltmeter to check AC leakage.

MODEL IDENTIFICATION

— Specification Label —

- US Model



US model only WG model only AEP, WG model

WG model: West Germany model

AUS model: Australian model

US, Canadian model: AC 120V 60 Hz 6W
 AEP, WG model: AC 220V ~ 50 Hz 6W
 AUS model: AC 240V ~ 50 Hz 5W

Time Display

12 hours: US, Canadian, AUS model
 24 hours: AEP, WG model

See page 12 for LOCATION AND FUNCTION OF CONTROLS.

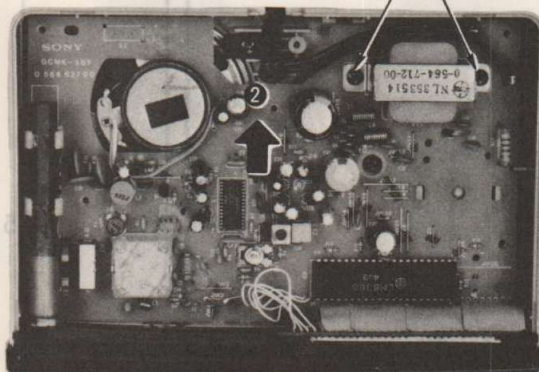
SECTION 2 DISASSEMBLY

2-1. REMOVAL

Follow the disassembly procedure in the numerical order given.

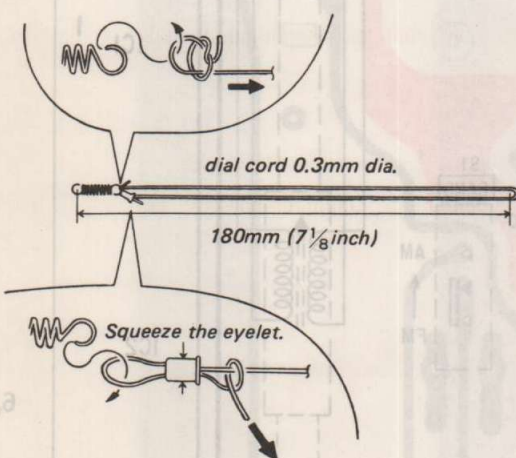
MOUNT ASSY REMOVAL

1 Remove the screws.

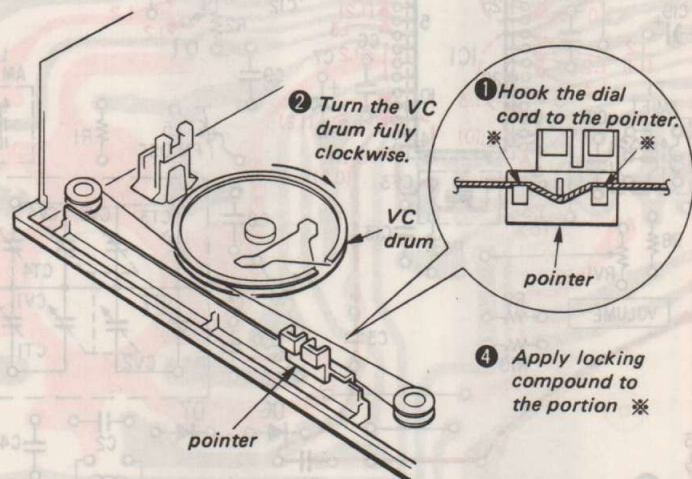


2-2. DIAL CORD STRINGING

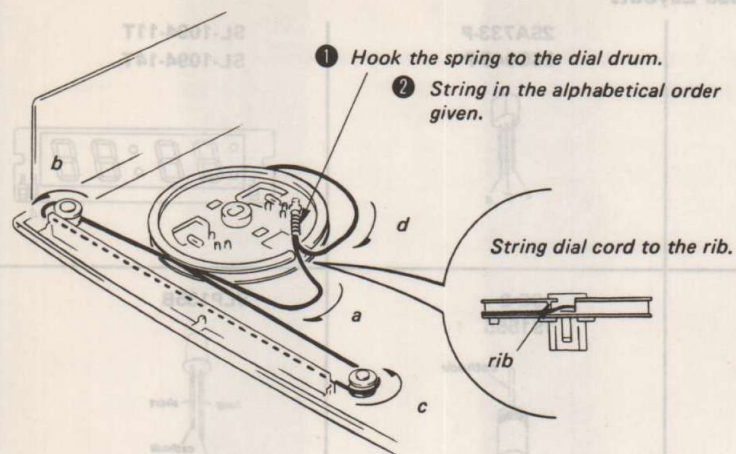
1) Dial Cord Preparation



3) Pointer Setting

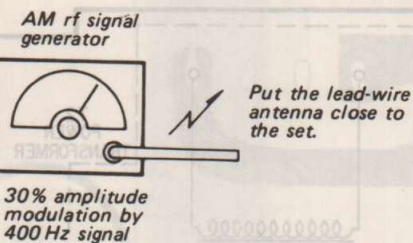


2) Dial Cord Stringing

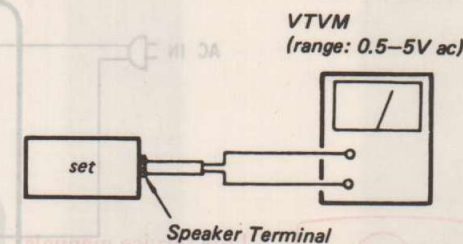
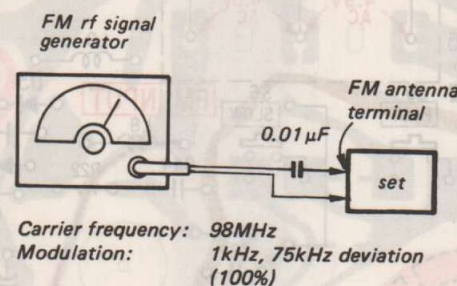


SECTION 3 ELECTRICAL ADJUSTMENTS

AM



FM



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.

86.5 MHz (87.35 MHz)	L5
109.5 MHz (107.8 MHz)	CT3

(): West Germany model

AM FREQUENCY COVERAGE ADJUSTMENT

Adjust for a maximum reading on VTVM.

520kHz	L6
1680kHz	CT4

L2	CT1
620kHz	1400kHz

Adjust for a maximum reading on VTVM.

AM TRACKING ADJUSTMENT

CT2	L3, 4
109.5 MHz (107.8 MHz)	86.5 MHz (87.35 MHz)

Adjust for a maximum reading on VTVM.

FM TRACKING ADJUSTMENT

(): West Germany model

T1	455kHz
----	--------

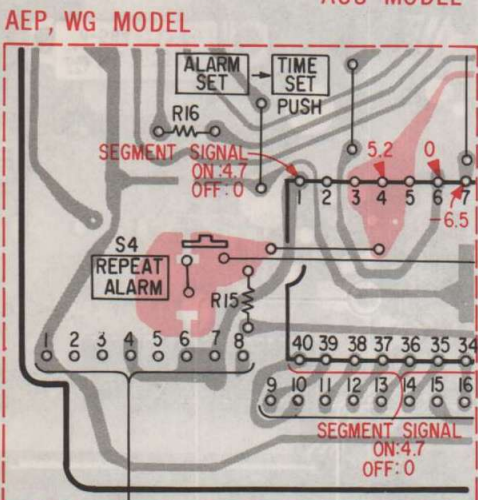
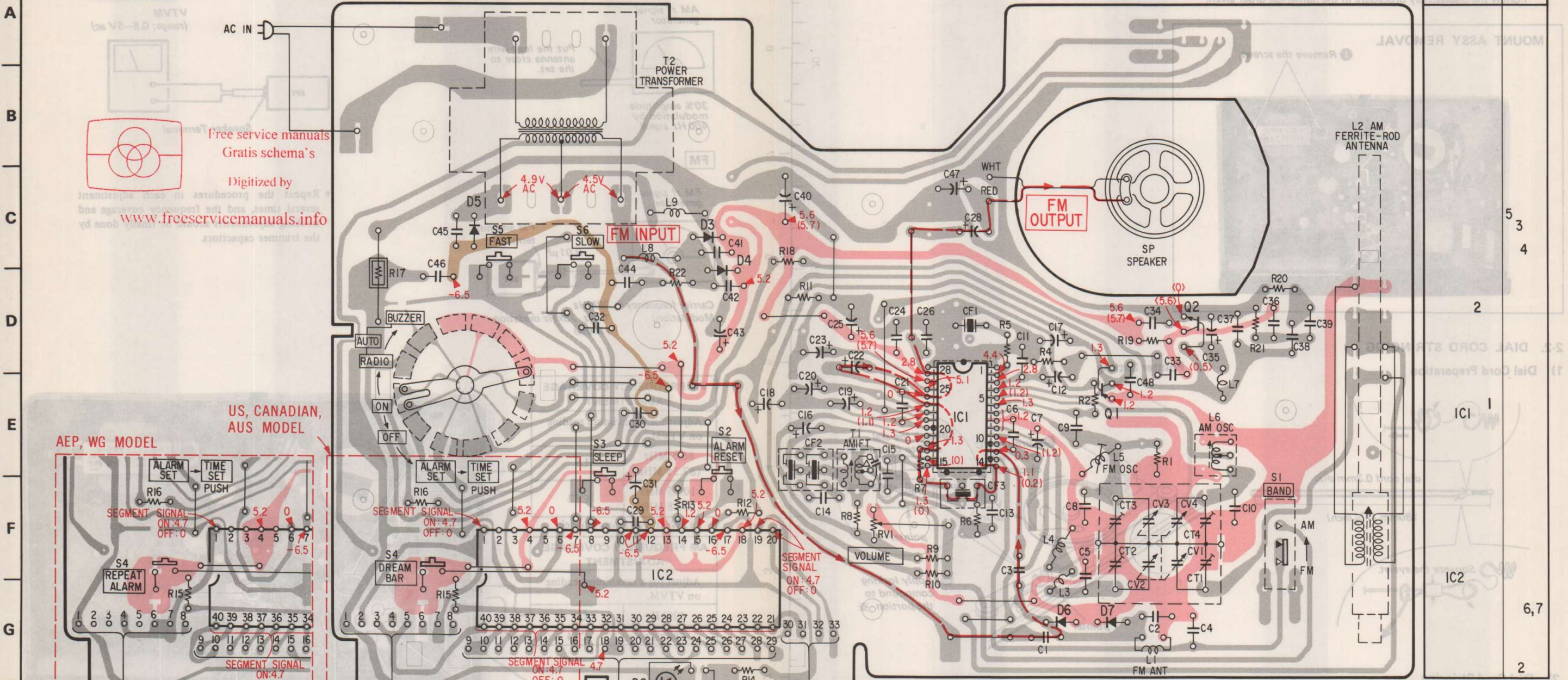
Adjust for a maximum reading on VTVM.

AM IF ALIGNMENT

FM antenna terminal (+)
(Unsolder two antenna terminals.)

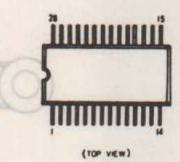
4-1. MOUNTING DIAGRAM
- Conductor Side -

[MAIN BOARD]

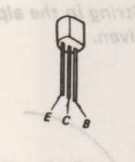


• Semiconductor Lead Layouts

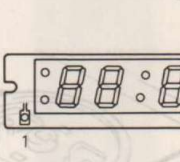
μPC1303
CXA1019M



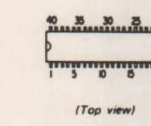
2SA733-P
2SC945-P



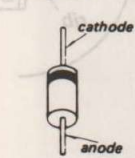
SL-1094-11T
SL-1094-14T



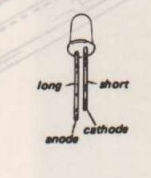
LM8368D



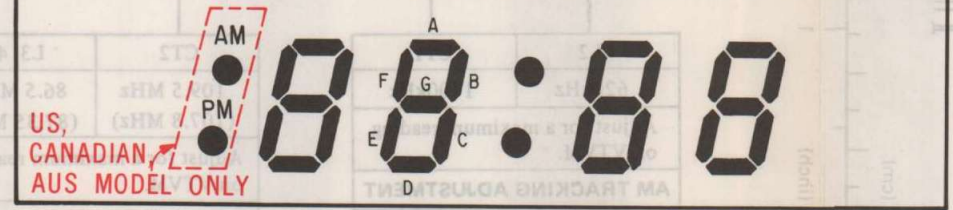
10E-2
1S1555



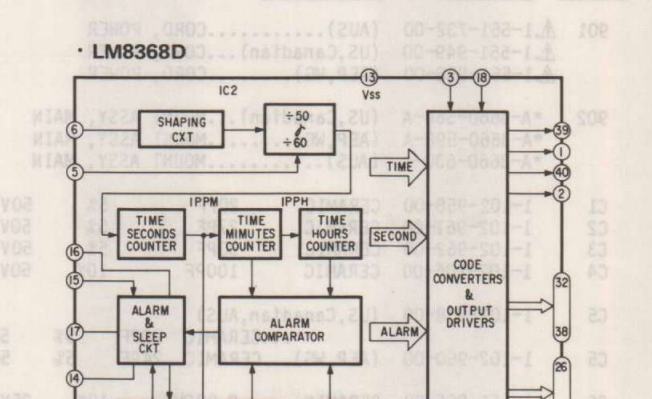
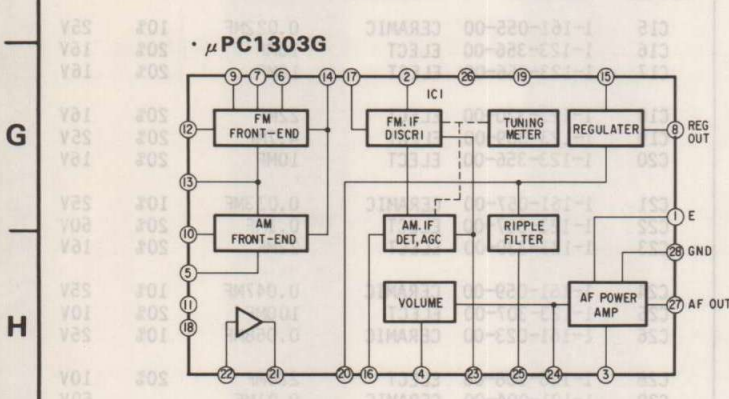
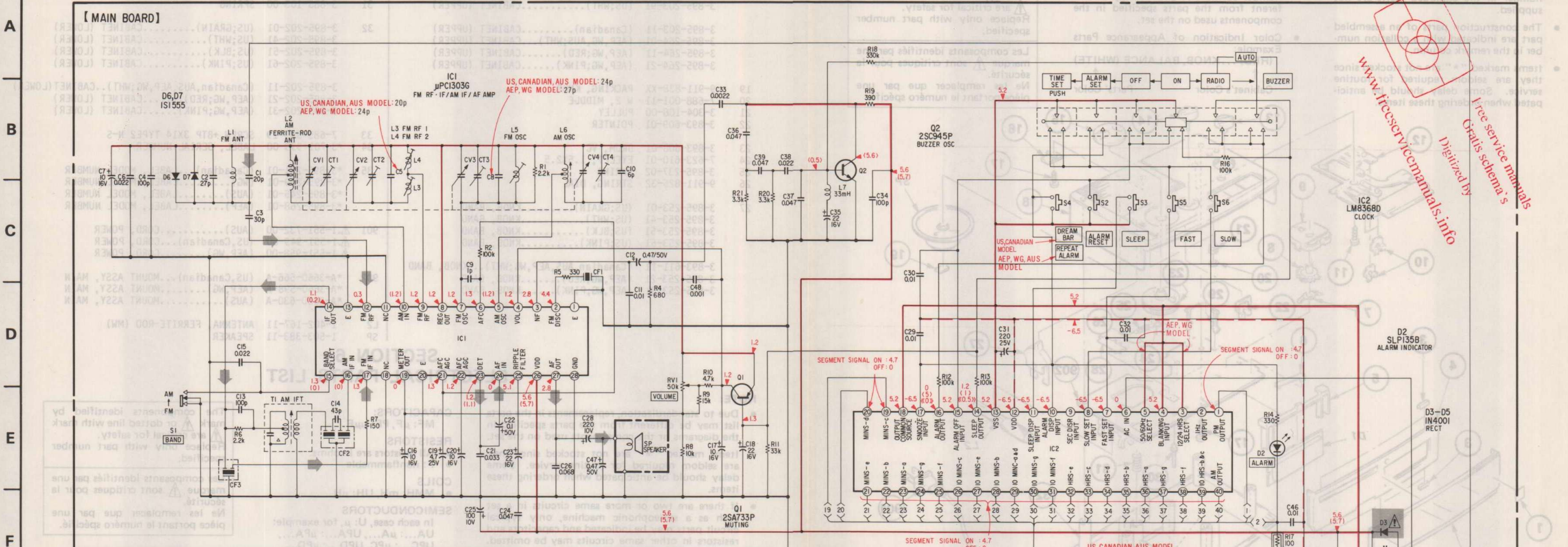
SLP135B



- Note:**
- : parts extracted from the component side.
 - : indicates side identified with part number.
 - : signal path
 - : B+ pattern
 - : WG: West Germany model
 - : AUS: Australian model
 - : B- pattern



4-2. SCHEMATIC DIAGRAM



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.

- Note:**
- All capacitors are in μF unless otherwise noted. pF: μF 50 WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $1/4 W$ or less unless otherwise specified.

Note on replacing IC1
There are 2 types of IC1, former and new types. when replacing it, confirm its type No.

- : signal path.
- : internal component.
- : B+ bus.
- : B- bus.
- Voltagés are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with a VOM (50k Ω/V).

- no mark: FM RADIO (FUNCTION "ON")
- () : AM RADIO (FUNCTION "ON")
- < > : ON (FUNCTION "AUTO")
- < >> : OFF (FUNCTION "AUTO")
- Voltage variations may be noted due to normal production tolerances.
- WG model: West Germany model
- AUS: Australian model
- Switch

Ref. No.	Switch	Position
S1	BAND	FM

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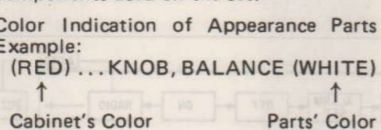
SECTION 5 EXPLODED VIEW AND PARTS LIST

ICF-C3W ICF-C3W

NOTE:

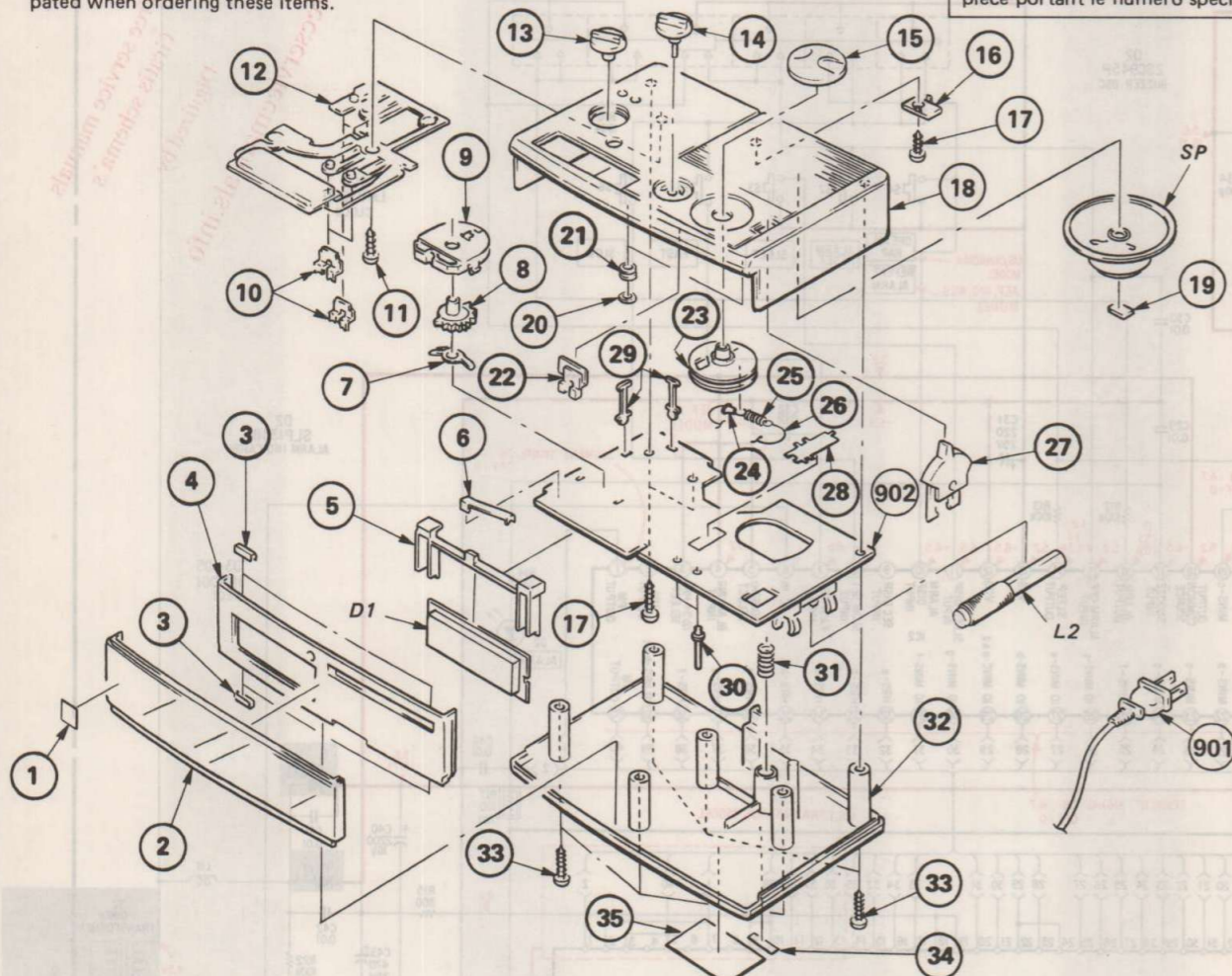
- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be 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)



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.



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	*3-703-710-01	STICKER, SONY SYMBOL (12)		13	3-893-607-01	(US;GRAIN).....KNOB, FUNCTION	
2	3-893-612-01	PLATE, TRANSPARENT			3-895-254-41	(US;WHT).....KNOB, FUNCTION	
3	3-831-441-XX	CUSHION, CABINET UPPER 10X7X0.3			3-895-254-51	(US;BLK).....KNOB, FUNCTION	
4	*3-895-105-11	(AEP,WG).....SCALE, DIAL			3-895-254-61	(US;PINK).....KNOB, FUNCTION	
	*3-895-205-01	(US,Canadian,AUS)..SCALE, DIAL			3-893-607-11	(Canadian,AUS,AEP,WG;WHT)..KNOB, FUNCTION	
5	*3-895-204-01	HOLDER, DISPLAY			3-895-252-21	(AEP,WG;RED).....KNOB, FUNCTION	
6	*3-888-208-11	PLATE, CONTACT, SNOOZE			3-895-252-31	(AEP,WG;PINK)...KNOB, FUNCTION	
7	3-888-207-00	PLATE, CONTACT		14	3-893-606-41	(US;GRAIN).....KNOB, VOLUME	
8	3-888-206-00	SHAFT, CLICK			3-895-255-41	(US;WHT).....KNOB, VOLUME	
9	3-888-205-00	HOLDER, FUNCTION			3-895-255-51	(US;BLK).....KNOB, VOLUME	
10	3-893-610-01	SPRING			3-895-255-61	(US;PINK).....KNOB, VOLUME	
11	7-685-147-19	SCREW +BTP 3X10 TYPE2 N-S			3-893-606-11	(Canadian,AUS,AEP,WG;WHT)..KNOB, VOLUME	
12	3-893-614-51	(US;GRAIN).....BUTTON, CONTROL			3-895-255-21	(AEP,WG;RED).....KNOB, VOLUME	
	3-895-256-61	(US;BLK).....BUTTON, CONTROL			3-895-255-31	(AEP,WG;PINK)..KNOB, VOLUME	
	3-895-256-71	(US;PINK).....BUTTON, CONTROL		15	3-893-605-41	(US;GRAIN).....KNOB, TUNING	
	3-895-256-81	(US;WHT).....BUTTON, CONTROL			3-895-252-41	(US;WHT).....KNOB, TUNING	
	3-893-614-61	(Canadian).....BUTTON, CONTROL			3-895-252-51	(US;BLK).....KNOB, TUNING	
	3-893-614-91	(AUS,AEP,WG;WHT)...BUTTON, CONTROL			3-895-252-61	(US;PINK).....KNOB, TUNING	
	3-895-256-21	(AEP,WG;RED).....BUTTON, CONTROL			3-893-605-11	(Canadian,AUS,AEP,WG;WHT)..KNOB, TUNING	
	3-895-256-31	(AEP,WG;PINK).....BUTTON, CONTROL			3-895-252-21	(AEP,WG;RED).....KNOB, TUNING	
					3-895-252-31	(AEP,WG;PINK)...KNOB, TUNING	
				16	3-884-408-00	STOPPER, CORD	
				17	7-685-148-19	SCREW +BTP 3X12 TYPE2 N-S	

No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
18	3-895-203-01	(US;GRAIN).....CABINET (UPPER)		28	*3-892-935-01	PLATE, GROUND	
	3-895-203-71	(US;BLK).....CABINET (UPPER)		29	*3-893-625-01	TERMINAL	
	3-895-203-81	(US;PINK).....CABINET (UPPER)		30	3-565-246-11	PIN, LEAD	
	3-895-203-91	(US;WHT).....CABINET (UPPER)		31	3-885-103-00	SPRING	
	3-895-203-11	(Canadian).....CABINET (UPPER)		32	3-895-202-01	(US;GRAIN).....CABINET (LOWER)	
	3-895-264-01	(AEP,WG,AUS;WHT)...CABINET (UPPER)			3-895-202-41	(US;WHT).....CABINET (LOWER)	
	3-895-264-11	(AEP,WG;RED).....CABINET (UPPER)			3-895-202-51	(US;BLK).....CABINET (LOWER)	
	3-895-264-21	(AEP,WG;PINK).....CABINET (UPPER)			3-895-202-61	(US;PINK).....CABINET (LOWER)	
19	9-911-838-XX	PACKING, KNOB			3-895-202-11	(Canadian,AUS,AEP,WG;WHT)..CABINET (LOWER)	
20	7-688-001-11	W 2, MIDDLE			3-895-202-21	(AEP,WG;RED).....CABINET (LOWER)	
21	3-304-108-00	PULLEY			3-895-202-31	(AEP,WG;PINK).....CABINET (LOWER)	
22	3-893-609-01	POINTER		33	7-685-549-19	SCREW +BTP 3X14 TYPE2 N-S	
23	3-893-608-01	DRUM, VC		34	*3-701-999-00	LABEL, SERIAL NUMBER	
24	7-623-610-01	EYELET, 1.5X2.5		35	*3-895-201-01	(Canadian)...LABEL, MODEL NUMBER	
25	3-895-237-02	SPRING			*3-895-239-01	(WG).....LABEL, MODEL NUMBER	
26	9-911-825-32	STRING, DIAL			*3-895-245-01	(AUS).....LABEL, MODEL NUMBER	
					*3-895-268-01	(AEP).....LABEL, MODEL NUMBER	
27	3-895-253-01	(US;GRAIN).....KNOB, BAND		901	Δ 1-551-732-00	(AUS).....CORD, POWER	
	3-895-253-41	(US;WHT).....KNOB, BAND			Δ 1-551-949-00	(US,Canadian)...CORD, POWER	
	3-895-253-51	(US;BLK).....KNOB, BAND			Δ 1-551-958-00	(AEP,WG).....CORD, POWER	
	3-895-253-61	(US;PINK).....KNOB, BAND		902	*A-3660-566-A	(US,Canadian)...MOUNT ASSY, MAIN	
	3-893-611-11	(Canadian,AUS,AEP,WG;WHT)..KNOB, BAND			*A-3660-598-A	(AEP,WG).....MOUNT ASSY, MAIN	
	3-895-253-21	(AEP,WG;RED).....KNOB, BAND			*A-3660-630-A	(AUS).....MOUNT ASSY, MAIN	
	3-895-253-31	(AEP,WG;PINK).....KNOB, BAND		L2	1-402-167-11	ANTENNA, FERRITE-ROD (MW)	
				SP	1-503-383-11	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

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.

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	Ref.No.	Part No.	Description
901	Δ 1-551-732-00	(AUS).....CORD, POWER	C15	1-161-055-00	CERAMIC 0.022MF 10% 25V
	Δ 1-551-949-00	(US,Canadian)...CORD, POWER	C16	1-123-356-00	ELECT 10MF 20% 16V
	Δ 1-551-958-00	(AEP,WG).....CORD, POWER	C17	1-123-356-00	ELECT 10MF 20% 16V
902	*A-3660-566-A	(US,Canadian)...MOUNT ASSY, MAIN	C18	1-123-330-00	ELECT 22MF 20% 16V
	*A-3660-598-A	(AEP,WG).....MOUNT ASSY, MAIN	C19	1-123-369-00	ELECT 4.7MF 20% 25V
	*A-3660-630-A	(AUS).....MOUNT ASSY, MAIN	C20	1-123-356-00	ELECT 10MF 20% 16V
C1	1-102-958-00	CERAMIC 20PF 5% 50V	C21	1-161-057-00	CERAMIC 0.033MF 10% 25V
C2	1-102-961-00	CERAMIC 27PF 5% 50V	C22	1-123-607-00	ELECT 0.1MF 20% 50V
C3	1-102-962-00	CERAMIC 30PF 5% 50V	C23	1-123-330-00	ELECT 22MF 20% 16V
C4	1-102-106-00	CERAMIC 100PF 10% 50V	C24	1-161-059-00	CERAMIC 0.047MF 10% 25V
C5	1-102-958-00	(US,Canadian,AUS) ...CERAMIC 20PF 5% 50V	C25	1-123-307-00	ELECT 100MF 20% 10V
C5	1-102-960-00	(AEP,WG)...CERAMIC 24PF 5% 50V	C26	1-161-023-00	CERAMIC 0.068MF 10% 25V
C6	1-161-055-00	CERAMIC 0.022MF 10% 25V	C28	1-123-308-00	ELECT 220MF 20% 10V
C7	1-123-356-00	ELECT 10MF 20% 16V	C29	1-101-004-00	CERAMIC 0.01MF 50V
C8	1-102-642-00	(US,Canadian,AUS) ...CERAMIC 24PF 5% 50V	C30	1-101-004-00	CERAMIC 0.01MF 50V
C8	1-102-883-00	(AEP,WG)...CERAMIC 27PF 5% 50V	C31	1-123-334-00	ELECT 220MF 20% 25V
C9	1-102-934-00	CERAMIC 1PF 50V	C32	1-101-004-00	CERAMIC 0.01MF 50V
C10	1-101-998-00	CERAMIC 6PF 50V	C33	1-101-121-00	CERAMIC 0.0022MF 10% 50V
C11	1-101-004-00	CERAMIC 0.01MF 50V	C34	1-102-106-00	CERAMIC 100PF 10% 50V
C12	1-123-379-00	ELECT 0.47MF 20% 50V	C35	1-123-330-00	ELECT 22MF 20% 16V
C13	1-102-106-00	CERAMIC 100PF 10% 50V	C36	1-101-006-00	CERAMIC 0.047MF 50V
C14	1-103-966-00	CERAMIC 43PF 5% 50V	C37	1-101-006-00	CERAMIC 0.047MF 50V
			C38	1-101-005-00	CERAMIC 0.022MF 50V
			C39	1-101-006-00	CERAMIC 0.047MF 50V

Note on replacing IC1
There are 2 types of IC1, former and new types. when replacing it, confirm its type No.

Ref.No.	Part No.	Description
C40	1-123-325-00	ELECT 220MF 20% 16V
C41	1-101-004-00	CERAMIC 0.01MF 50V
C42	1-101-004-00	CERAMIC 0.01MF 50V
C43	1-123-325-00	ELECT 470MF 20% 25V
C44	1-101-004-00	CERAMIC 0.01MF 50V
C45	1-101-004-00	CERAMIC 0.01MF 50V
C46	1-101-004-00	CERAMIC 0.01MF 50V
C47	1-123-379-00	ELECT 0.47MF 20% 50V
C48	1-101-001-00	CERAMIC 0.001MF 50V
CF1	1-567-097-61	FILTER, CERAMIC
CF2	1-527-865-00	(US,Canadian,AUS)...FILTER, CERAMIC
CF2	1-527-996-00	(AEP,WG).....FILTER, CERAMIC
CF3	1-567-097-61	FILTER, CERAMIC
CT1-4 } CV1-4 }	1-151-478-11	CAP, TUNING, POLYETHYLENE
D1	1-807-243-21	(US,Canadian,AUS)...DIODE SL-1094-11T (LED BLOCK)
D1	1-807-243-31	(AEP,WG)...DIODE SL-1094-14T (LED BLOCK)
D2	8-719-901-35	DIODE SLP135B
D3	▲8-719-200-02	DIODE 10E2
D4	▲8-719-200-02	DIODE 10E2
D5	▲8-719-200-02	DIODE 10E2
D6	8-719-815-55	DIODE 1S1555
D7	8-719-815-55	DIODE 1S1555
IC1	1-807-018-11	(FORMER)...IC UPC1303G
IC1	8-752-030-15	(NEW).....IC CXA1019M
IC2	1-807-241-11	IC LM8368D
L1	*1-401-228-00	ANTENNA COIL
L2	1-402-167-11	ANTENNA, FERRITE-ROD (MW)
L3	*1-426-074-00	COIL, FM RF (A)
L4	1-406-042-00	COIL, FM OSC
L5	*1-405-962-00	(AEP,WG).....COIL, FM OSC
L5	*1-422-130-00	(US,Canadian,AUS)...COIL, FM OSC
L6	1-406-150-11	COIL, MW OSC
L7	1-410-308-11	MICRO INDUCTOR 33MMH
L8	*1-422-229-11	COIL, AIR-CORE
L9	*1-422-229-11	COIL, AIR-CORE
Q1	8-729-173-37	TRANSISTOR 2SA733-P
Q2	8-729-194-57	TRANSISTOR 2SC945-P
R1	1-249-421-11	CARBON 2.2K 5% 1/6W
R2	1-247-879-00	CARBON 100K 5% 1/6W
R4	1-247-827-00	CARBON 680 5% 1/6W

Ref.No.	Part No.	Description
R5	1-247-819-00	CARBON 330 5% 1/6W
R6	1-249-421-11	CARBON 2.2K 5% 1/6W
R7	1-247-811-00	CARBON 150 5% 1/6W
R8	1-247-855-00	CARBON 10K 5% 1/6W
R9	1-247-859-00	CARBON 15K 5% 1/6W
R10	1-247-847-00	CARBON 4.7K 5% 1/6W
R11	1-247-867-00	CARBON 33K 5% 1/6W
R12	1-247-879-00	CARBON 100K 5% 1/6W
R13	1-247-879-00	CARBON 100K 5% 1/6W
R14	1-247-819-00	CARBON 330 5% 1/6W
R15	1-247-818-00	CARBON 300 5% 1/6W
R16	1-247-879-00	CARBON 100K 5% 1/6W
R17	1-213-131-00	METAL OXIDE 100 5% 1W F
R18	1-247-891-00	CARBON 330K 5% 1/6W
R19	1-247-821-00	CARBON 390 5% 1/6W
R20	1-247-843-00	CARBON 3.3K 5% 1/6W
R21	1-247-843-00	CARBON 3.3K 5% 1/6W
R22	1-247-879-00	CARBON 100K 5% 1/6W
RV1	1-228-790-00	RES, VAR, CARBON 50K (VOLUME)
S1	1-554-694-00	SWITCH, SLIDE (BAND)
SP	1-503-383-11	SPEAKER
T1	1-404-355-00	COIL, AM IFT
T2	▲1-448-212-11	(US).....TRANSFORMER, POWER
T2	▲1-448-213-11	(Canadian)...TRANSFORMER, POWER
T2	▲1-448-307-11	(AEP,WG).....TRANSFORMER, POWER
T2	▲1-448-361-11	(AUS).....TRANSFORMER, POWER

ACCESSORY & PACKING MATERIAL

3-703-390-01	(US)...INSTRUCTION
3-703-539-01	(WG)...INSTRUCTION, FTZ
*3-893-623-11	CUSHION
*3-893-624-01	(US,Canadian)...BAG, PROTECTION
*3-895-213-01	(US).....INDIVIDUAL CARTON
*3-895-214-01	(Canadian)...INDIVIDUAL CARTON
*3-895-240-01	(AEP,WG).....INDIVIDUAL CARTON
*3-895-240-11	(AUS).....INDIVIDUAL CARTON
3-990-033-11	(AEP,WG).....MANUAL, INSTRUCTION (ENGLISH/FRENCH/GERMAN/DUTCH)
3-990-033-21	(US,Canadian)...MANUAL, INSTRUCTION (ENGLISH)
3-990-033-31	(Canadian).....MANUAL, INSTRUCTION (FRENCH)
3-990-033-51	(AUS).....MANUAL, INSTRUCTION (ENGLISH)

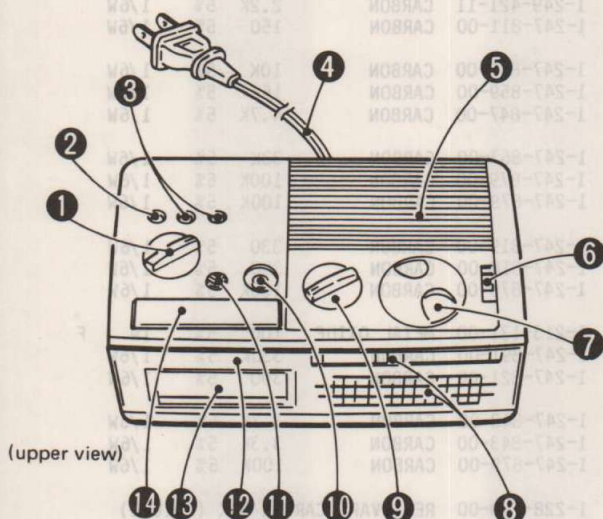
Note:

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

Note:

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

LOCATION AND FUNCTION OF CONTROLS

**1 Function selector**

Select a position as required.

TIME-SET: for setting the current time.

ALARM SET: for setting the alarm time.

OFF: for turning off the radio manually or automatically.

ON: for turning on the radio manually.

RADIO: for radio alarm.

BUZZER: for buzzer alarm.

- 2 PUSH button:** This button must be depressed in order to put the function selector in the TIME SET position. To set the time, hold this button down while turning the function selector to TIME SET.

3 Time set buttons (FAST/SLOW)

FAST: Press to change the minute digits rapidly.

SLOW: Press to change the minute digits slowly.

While the FAST or SLOW button is kept pressed, the clock stops operating.

4 AC power cord**5 Speaker****6 BAND selector:** Choose the desired band: FM or AM.**7 TUNING knob:** Turn to select the frequency of the desired station.**8 Dial scale and dial pointer (front)****9 VOLUME control:** Turn clockwise for more volume.**10 ALARM RESET button:** Press to turn off the alarm sound manually.**11 SLEEP timer button:** Press the button to set the sleep timer.**12 ALARM indicator:** Lights up when the function selector is set to ALARM SET, when the DREAM BAR is pressed to change the display to the alarm time, and when the alarm time is reached and either the buzzer or the radio can be heard.**13 Time display (front):** The current AM or PM time is displayed. When the function selector is set to ALARM SET or when the DREAM BAR is pressed, the display on the indicator shows alarm time with the ALARM indicator lit. When the SLEEP button is pressed, the display shown is the length of time in minutes the radio will keep playing.**14 DREAM BAR (US, Canadian model):**

REPEAT ALARM (AEP, WG, AUS model): Lightly press for an instant readout of the alarm time, for operating the snooze alarm function, or for turning off the radio before the preset time of the sleep timer.