

## ICF-35

## SERVICE MANUAL

Canadian Model  
AEP Model  
UK Model



Free service manuals  
Gratis schema's  
Digitized by

www.freeservicemanuals.info

PHOTO: UK Model (Silver Type)


## SPECIFICATIONS

<b>Frequency range:</b>	FM: 87.6–108 MHz (for the United Kingdom and Canada) 87.6–107 MHz (for European countries) MW: 530–1,605 kHz (566–187 m) LW: 150–255 kHz (2,000–1,176 m) SW: 5.95–18 MHz (50.4–16.7 m)
<b>Antennas:</b>	FM/SW: Telescopic antenna MW/LW: Built-in ferrite bar antenna
<b>Speaker:</b>	Approx. 9.2 cm (3 <sup>5</sup> / <sub>8</sub> inches) dia.
<b>Power output:</b>	500 mW (at 10% harmonic distortion)
<b>Output:</b>	Earphone jack (minijack)
<b>Power requirements:</b>	6 V dc, four batteries, IEC designation R6 (size AA) The U.K. model: 240 V ac, 50 Hz with the supplied ac power adaptor The Canadian model: 120 V ac, 60 Hz with the supplied ac power adaptor The model for Switzerland, Holland and West Germany: 220 V ac (110, 127 or 240 V ac adjustable), 50/60 Hz with the optional AC-122 ac power adaptor The model for other European countries: 220 V ac, 50 Hz with the supplied ac power adaptor
<b>Battery life:</b>	Approx. 35 hours with Sony SUM-3(NS) New Super batteries
<b>Dimensions:</b>	Approx. 230 x 106 x 34 mm (w/h/d) (9 <sup>1</sup> / <sub>8</sub> x 4 <sup>1</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>8</sub> inches), incl. projecting parts and controls with the carrying handle pushed in
<b>Weight:</b>	Approx. 580 g (1 lb 5 oz), incl. batteries


## FEATURES

- High selectivity and high sensitivity with one chip IC (Integrated Circuit).
- Fast tuning to key stations marked on the MW and LW dial scales (only for the models available in the United Kingdom and European countries).
- Fine tuning knob for easier tuning in SW reception.
- FM/SW sensitivity selector for stable reception.
- Two different power sources: batteries and house current.

## SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND 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.

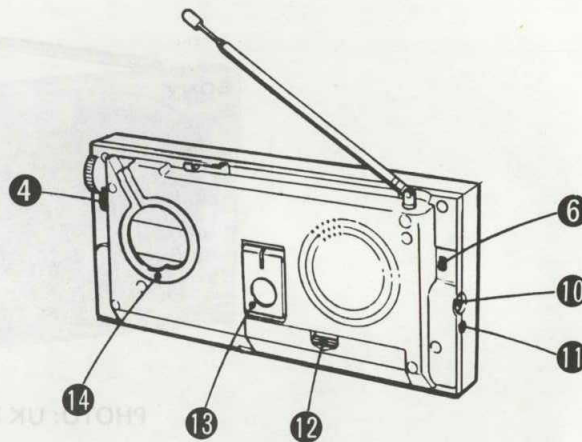
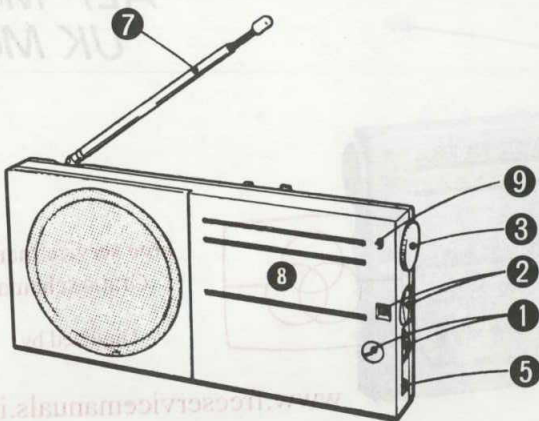
## ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE  SUR LES DIAGRAMMES SCHEMATIQUES 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.

FM/MW/LW/SW 4 BAND RECEIVER  
**SONY**®



### LOCATION AND FUNCTION OF CONTROLS

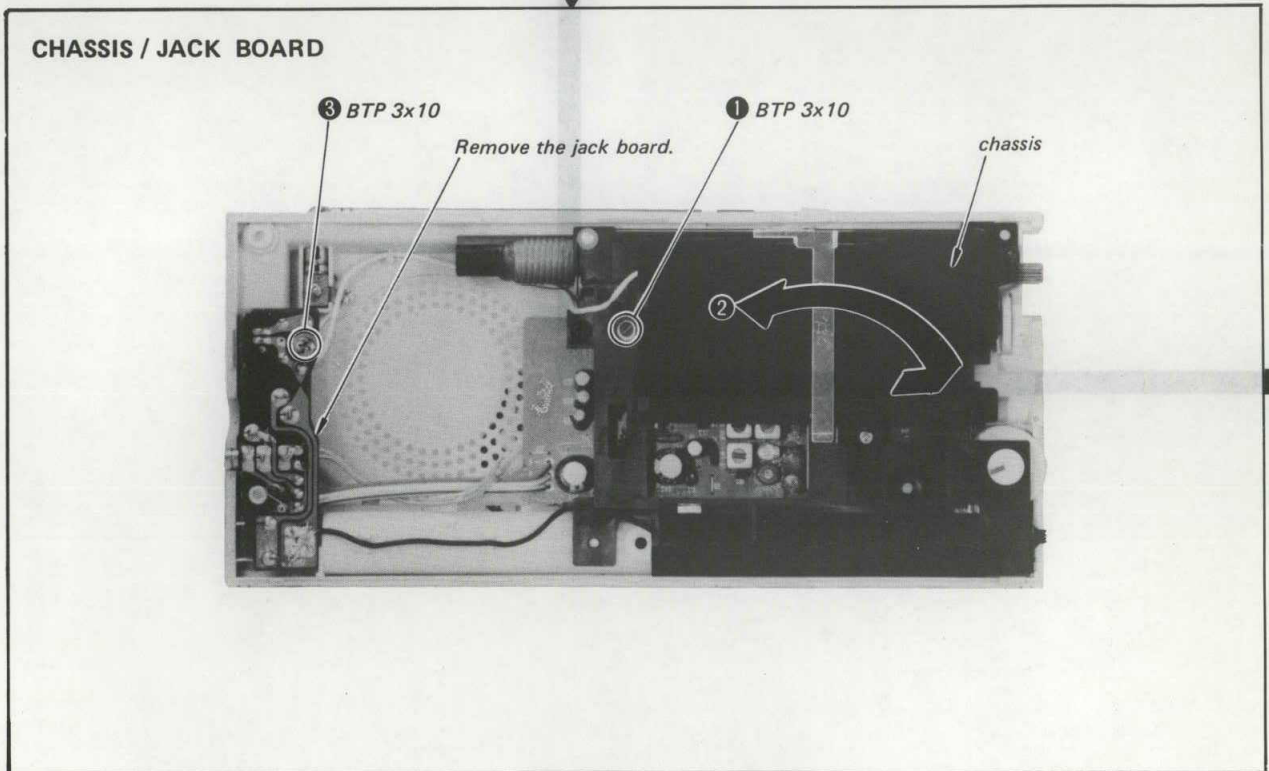
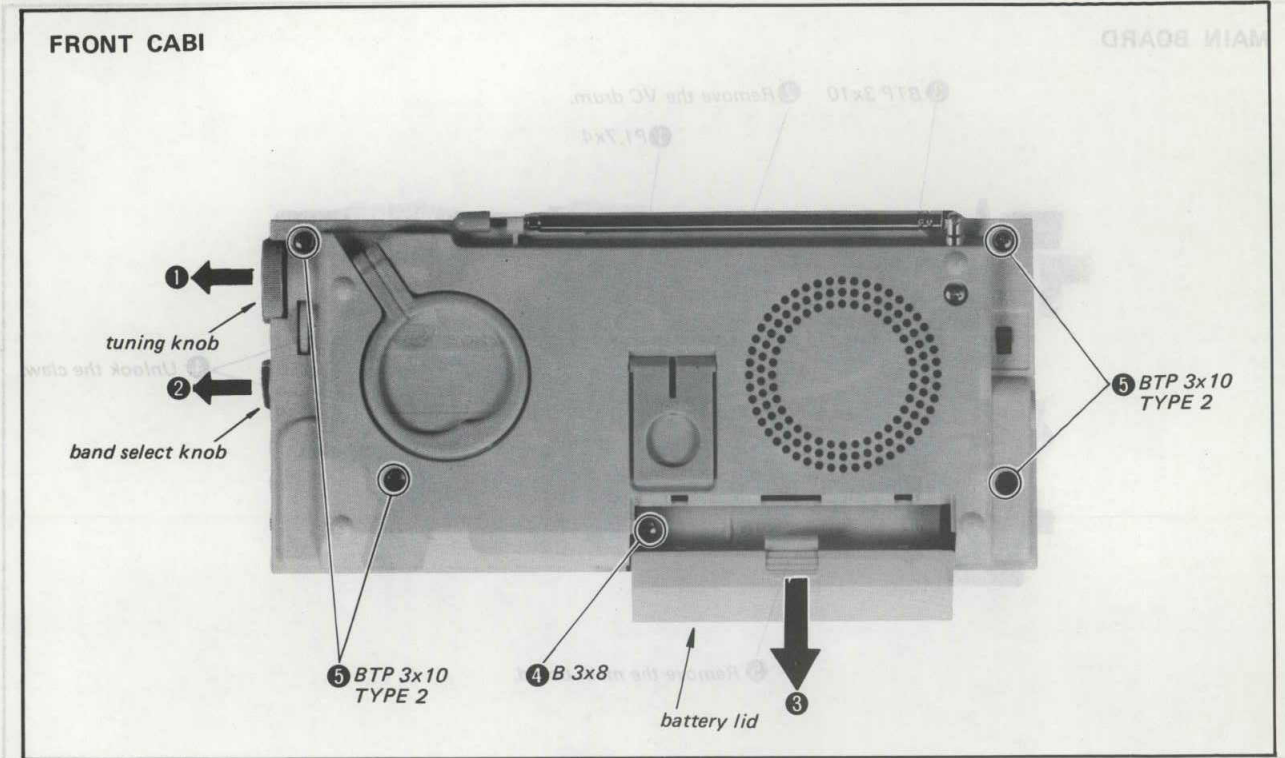


- 1 POWER switch/VOL (volume) control and indicator
- 2 BAND selector and indicator
- 3 Tuning knob
- 4 SW FINE tuning knob
- 5 TONE control switch
- 6 FM/SW SENS (sensitivity) selector
- 7 Telescopic antenna

- 8 Dial scales
- 9 TUNE (tuning) indicator (LED)
- 10 DC IN 6 V (external power input) jack
- 11 (earphone) jack
- 12 Battery compartment
- 13 Stand
- 14 Carrying handle

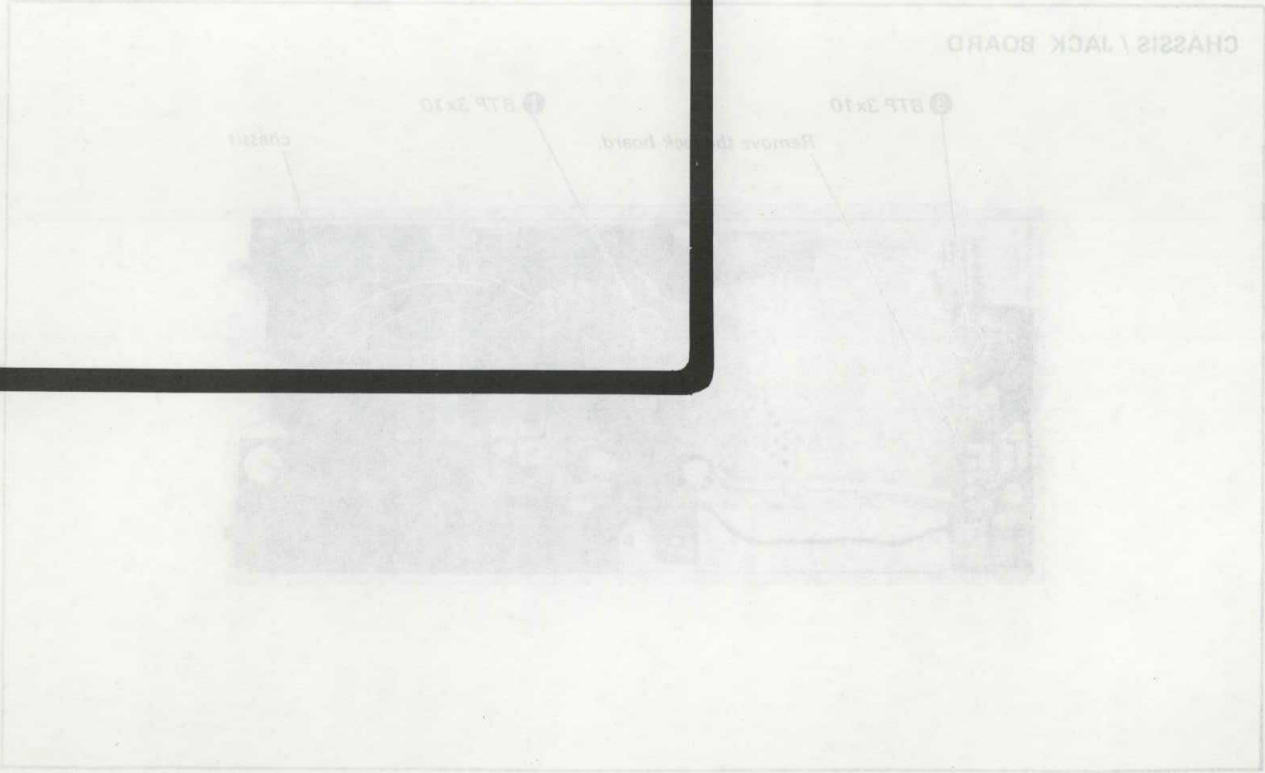
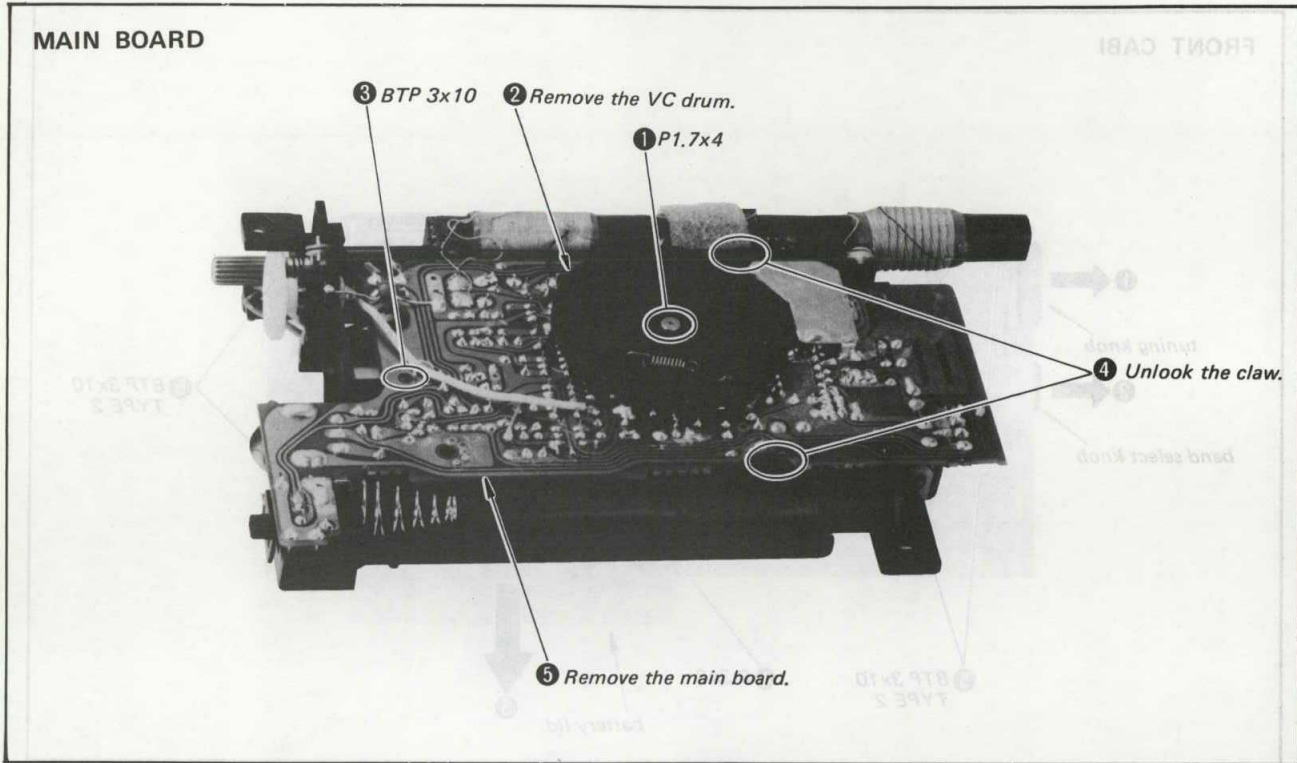
# SECTION 1 DISASSEMBLY

- Follow the disassembly procedure in the numerical order given.



SECTION 1  
DISASSEMBLY

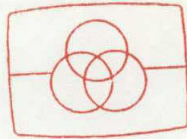
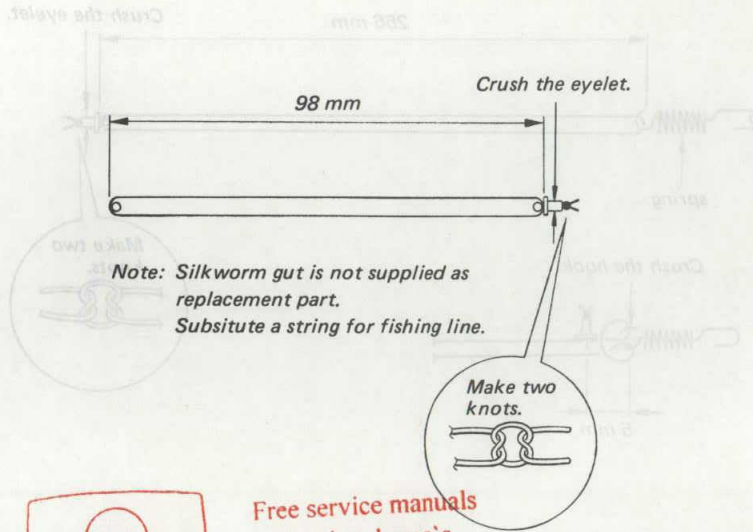
Follow the disassembly procedure in the numerical order given.



Digitized by WWW.FREESERVICE MANUALS.INFO

### DIAL CORD STRINGING

#### 1) Silkworm Gut Preparation

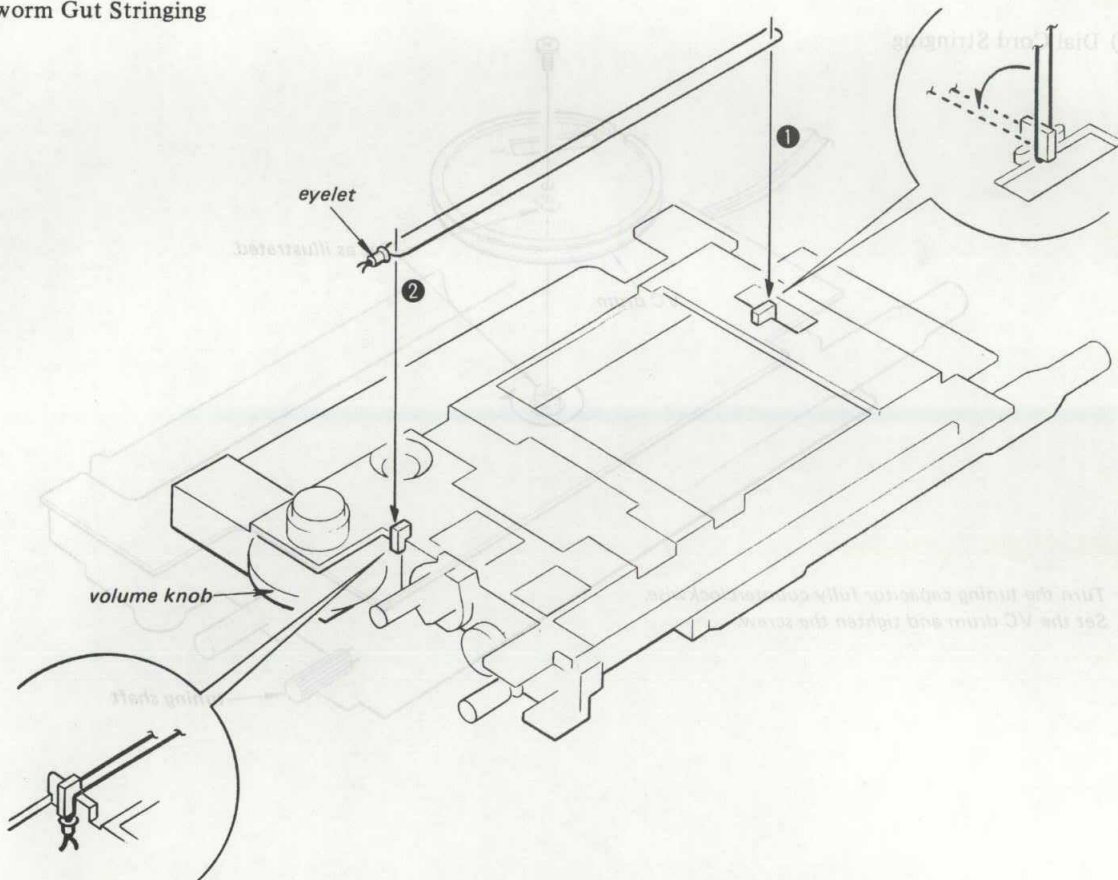


Free service manuals  
Gratis schema's

Digitized by

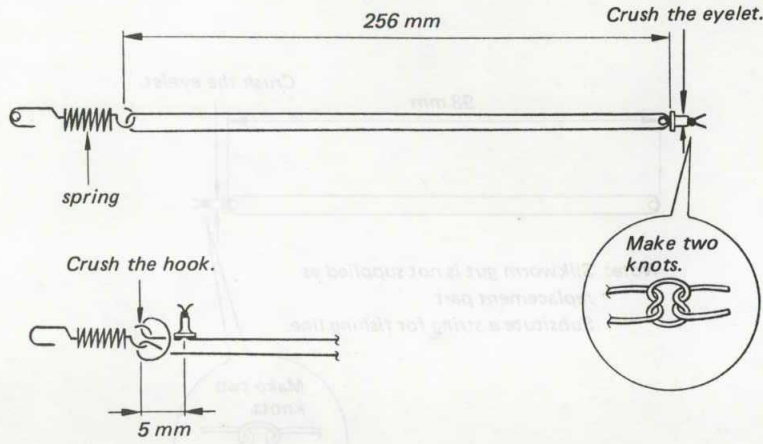
www.freeservicemanuals.info

#### 2) Silkworm Gut Stringing

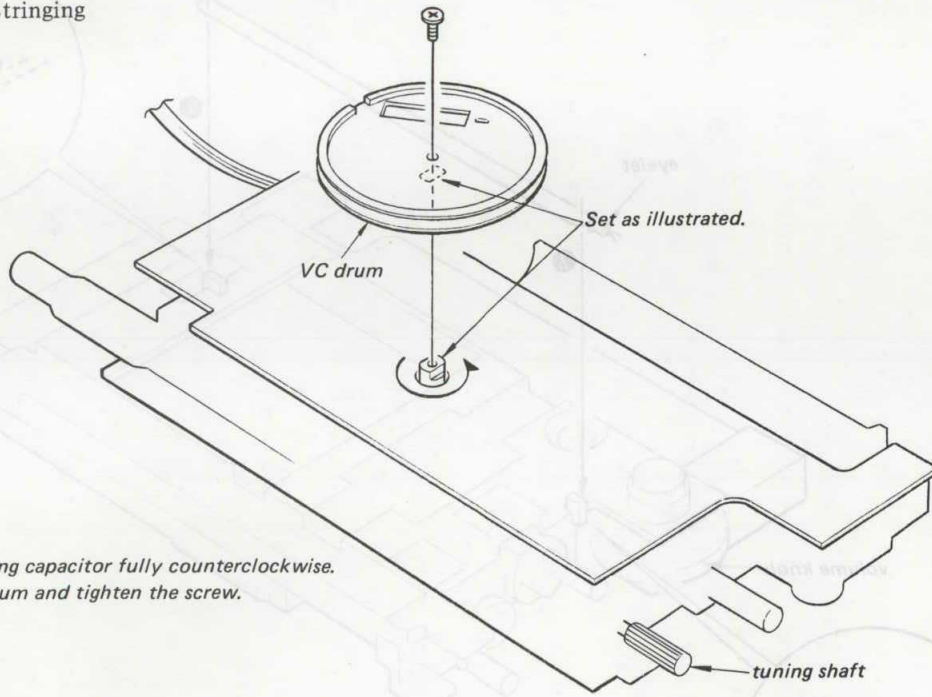


Digitized by WWW.FREESERVICEMANUALS.INFO

### 3) Dial Cord Preparation



### 4) Dial Cord Stringing

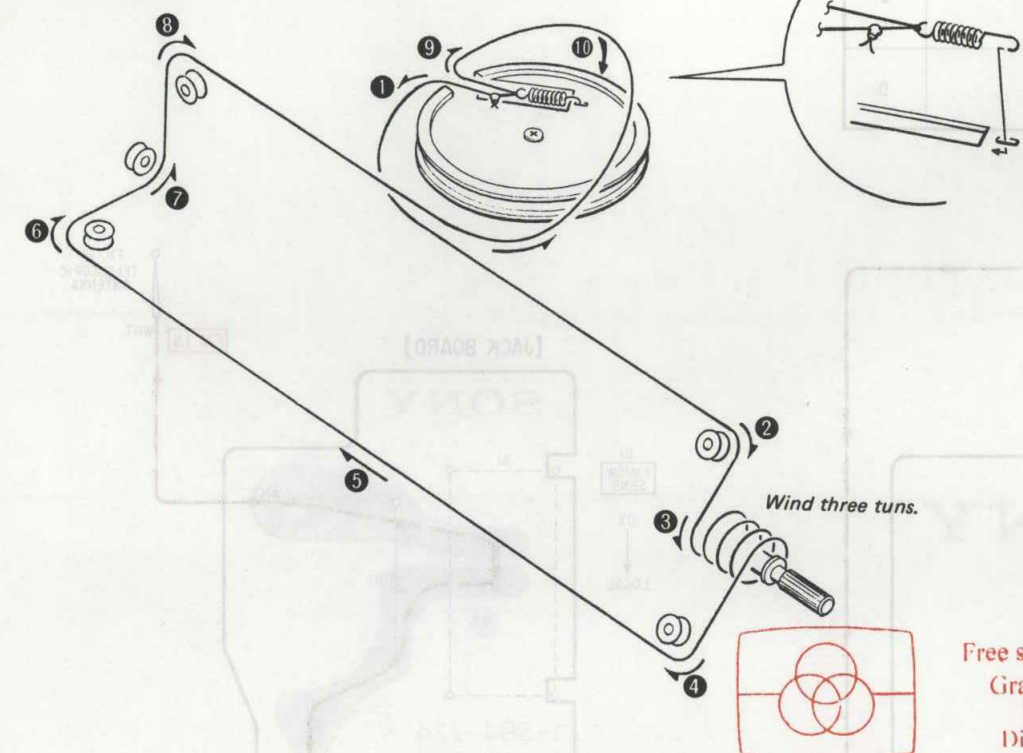


1. Turn the tuning capacitor fully counterclockwise.
2. Set the VC drum and tighten the screw.

Digitized by WWW.FREESERVICEMANUALS.INFO

SECTION 2  
ADJUSTMENTS

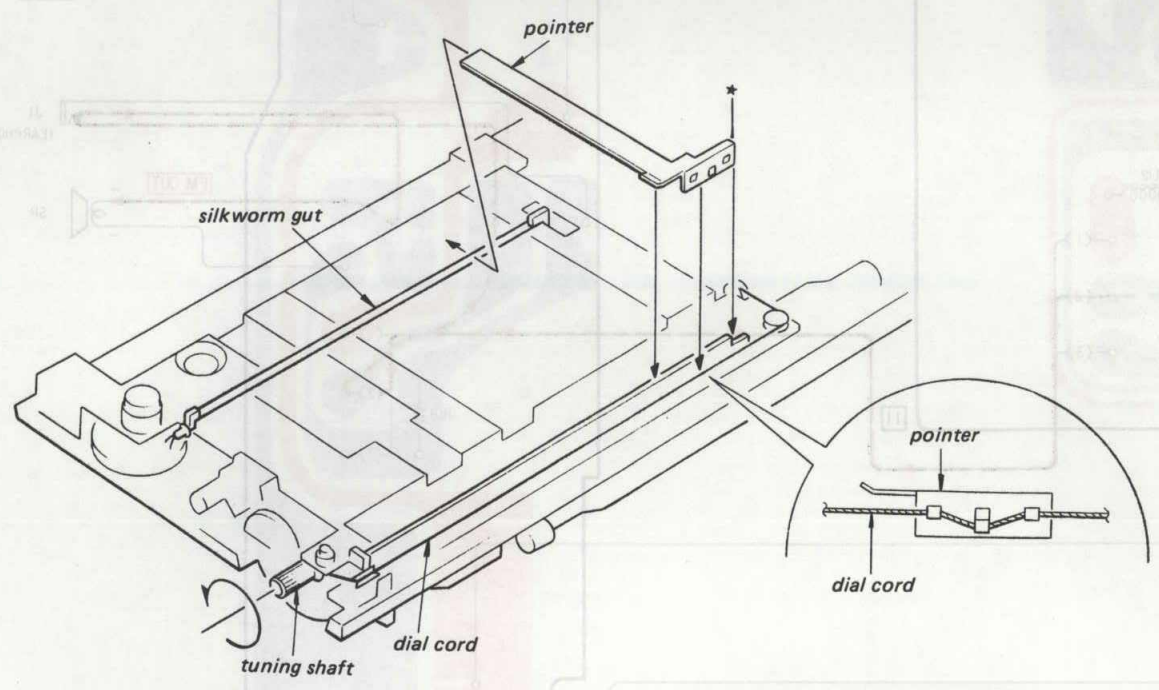
- 3. Hook the dial spring to the VC drum.
- 4. String the dial cord in the numerical order given.



Free service manuals  
Gratis schema's  
Digitized by

5) Pointer Installation

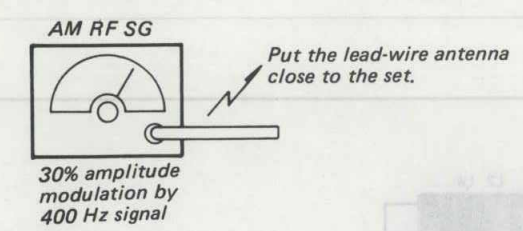
- 1. Turn the tuning shaft fully counterclockwise.
- 2. Install the pointer to the dial cord after setting side \* of the pointer to end of the chassis each other.



2-1. AM SECTION

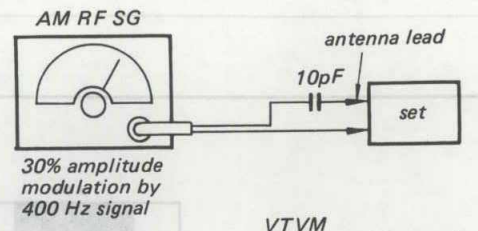
-MW/LW-

- Perform the adjustment in the order of MW and LW.

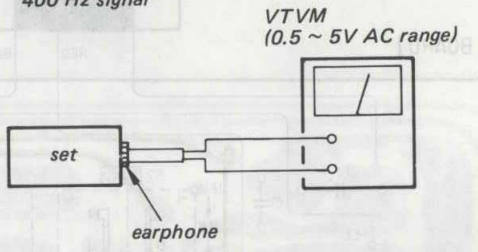


-SW-

- SW FINE: center



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



IF ALIGNMENT	
Adjust for a maximum reading on VTVM.	
455 kHz	
T2	T1

MW TRACKING ADJUSTMENT	
620 kHz	1,400 kHz
L1	CT1

LW TRACKING ADJUSTMENT	
145 kHz	265 kHz
L2	CT2

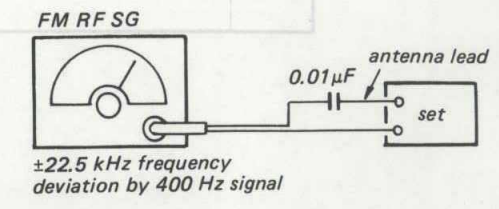
SW TRACKING ADJUSTMENT	
5.8 MHz	18.5 MHz
L3	CT3

CT6	L8
1,680 kHz	520 kHz
MW FREQUENCY COVERAGE ADJUSTMENT	

L9	CT7
145 kHz	265 kHz
LW FREQUENCY COVERAGE ADJUSTMENT	

CT8	L10
18.5 MHz	5.8 MHz
SW FREQUENCY COVERAGE ADJUSTMENT	

2-2. FM SECTION



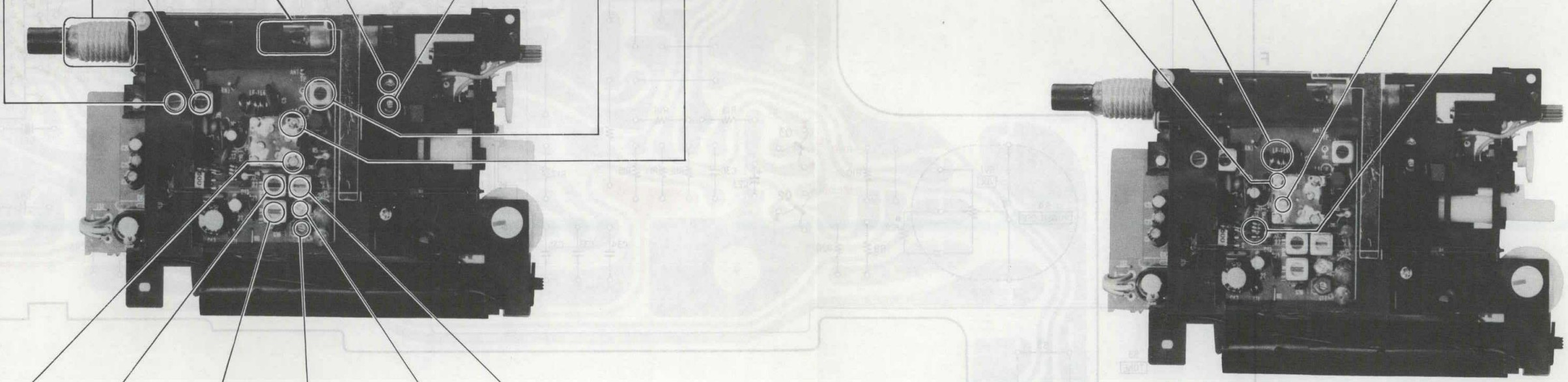
FM TRACKING ADJUSTMENT

FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
109.5 MHz	86.5 MHz
(108 MHz)	(87.35 MHz)
CT4	L6

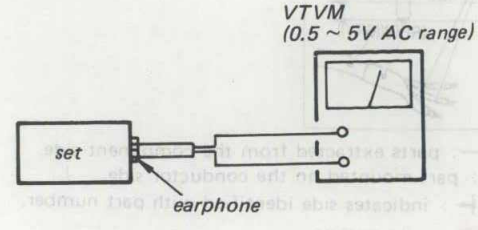
FM FREQUENCY COVERAGE ADJUSTMENT

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
86.5 MHz	109.5 MHz
(87.35 MHz)	(108 MHz)
CT5	L7

Handwritten notes: 109.5 MHz (108 MHz), 86.5 MHz (87.35 MHz), 109.5 MHz (108 MHz), 86.5 MHz (87.35 MHz)



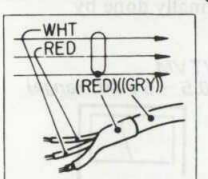
- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.



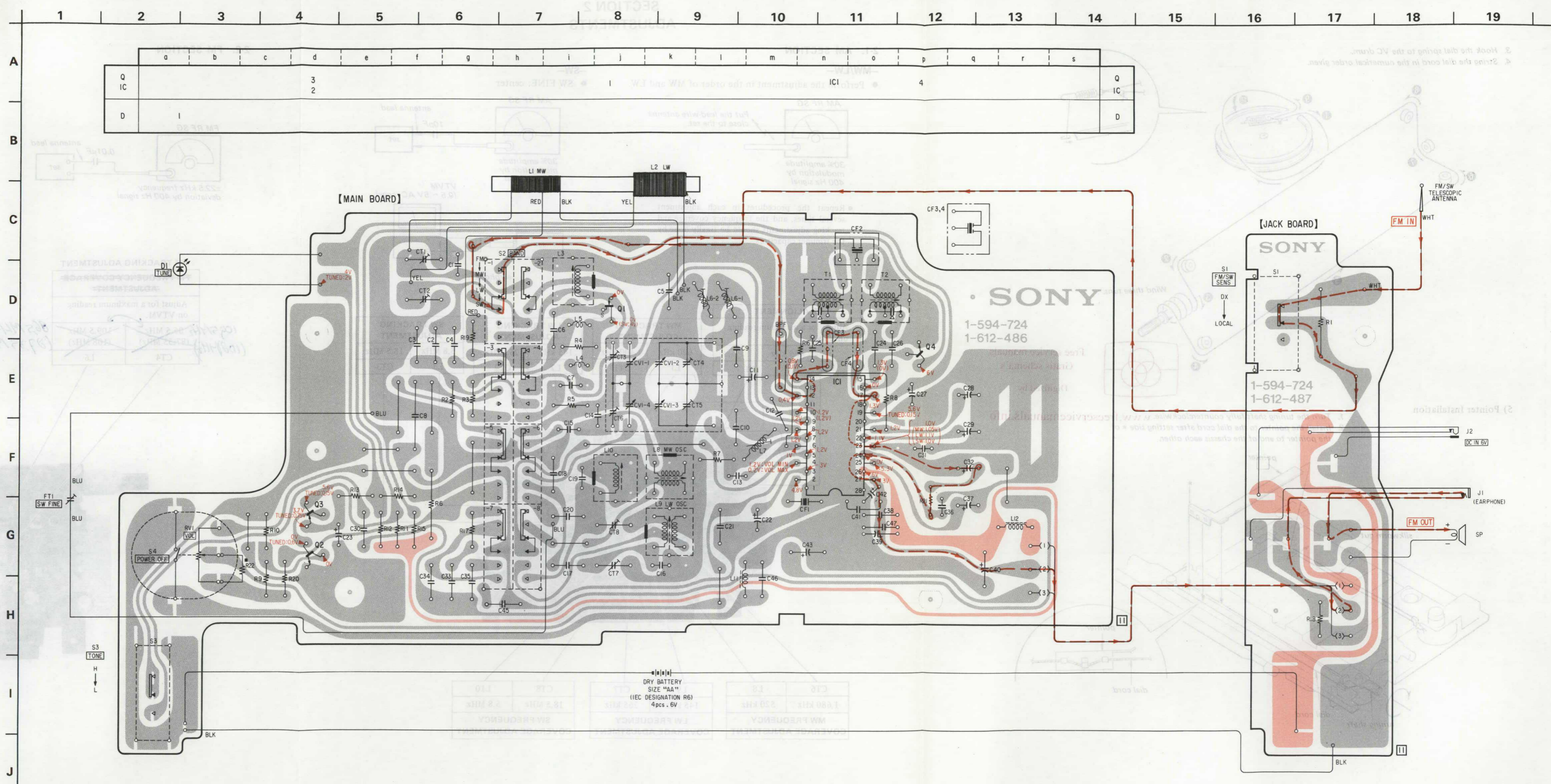
SECTION 3  
DIAGRAMS

3-1. MOUNTING DIAGRAM

Note:  
• Color code of sleeving over the end of the jacket.



- : parts extracted from the component side.
- : part mounted on the conductor side.
- : indicates side identified with part number.
- : B+ pattern
- : signal path





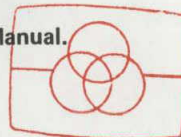
# ICF-35

## SERVICE MANUAL

Canadian Model  
AEP Model  
UK Model

### CORRECTION

File this Correction with the Service Manual.



No. 1  
May, 1984

Free service manuals  
Gratis schema's

Digitized by

www.freeservicemanuals.info

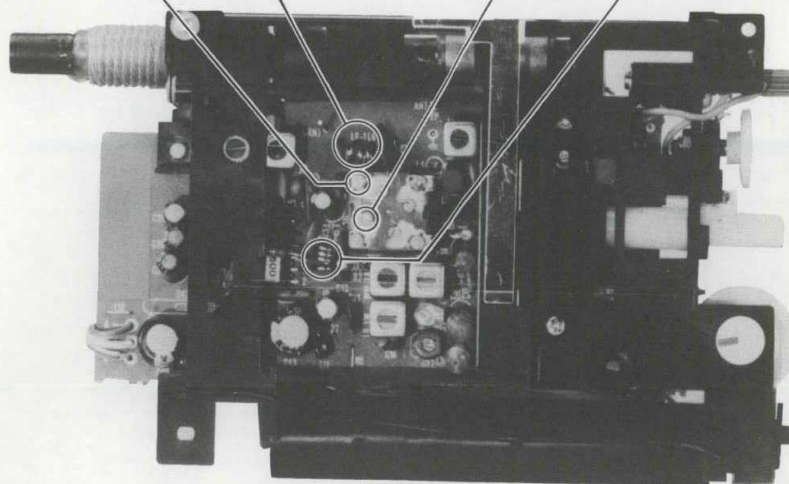
Page 9

: corrected portion

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
109.5 MHz (108 MHz)	86.5 MHz (87.35 MHz)
CT4	L6

FM FREQUENCY COVERAGE ADJUSTMENT	
109.5 MHz (108 MHz)	86.5 MHz (87.35 MHz)
CT5	L7

( ): G-AEP

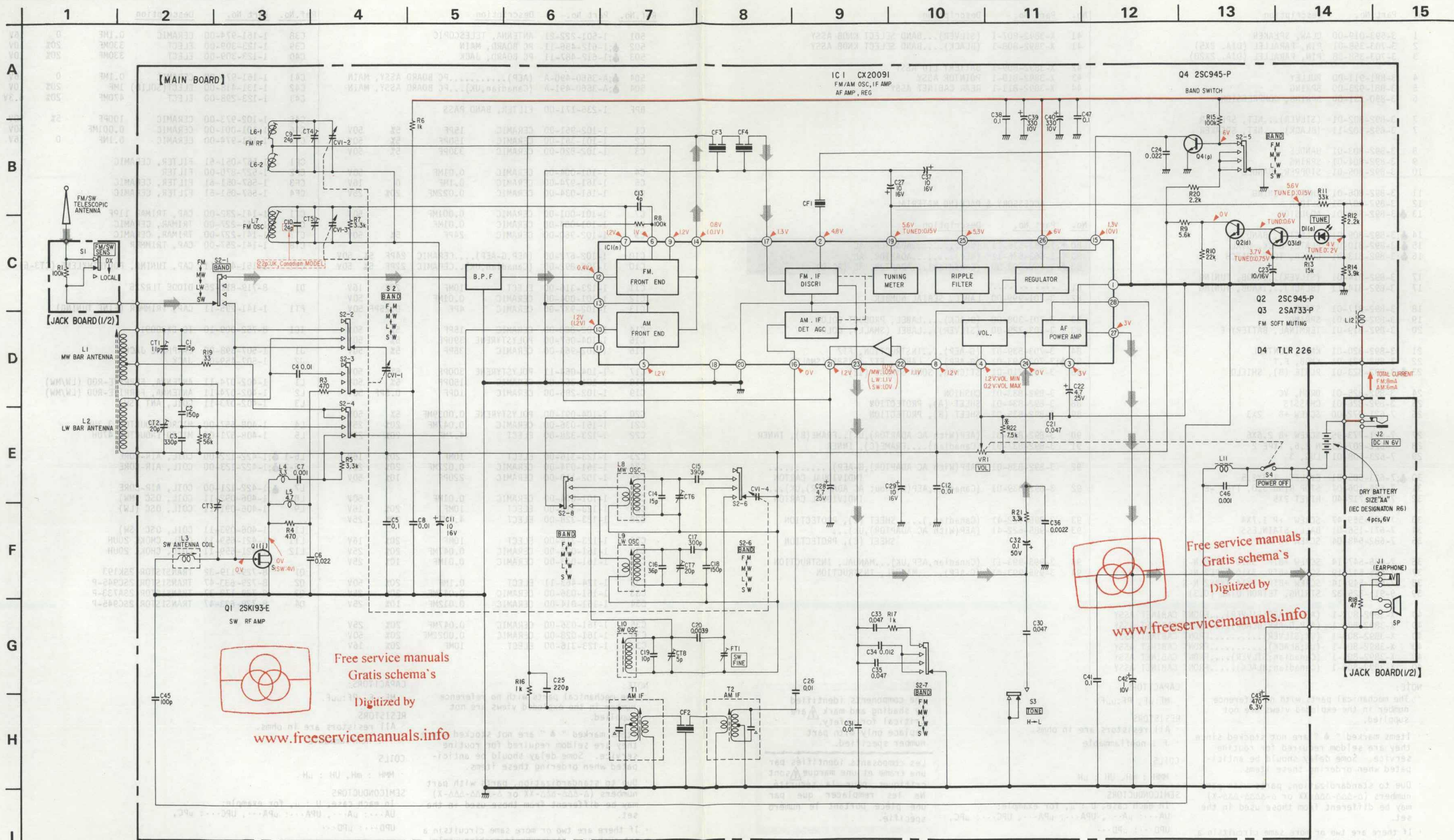


## FM/MW/LW/SW 4BAND RECEIVER

# SONY®

Digitized by WWW.FREESERVICEMANUALS.INFO

3-2. SCHEMATIC DIAGRAM



Free service manuals  
Gratis schema's  
Digitized by  
www.freeservicemanuals.info

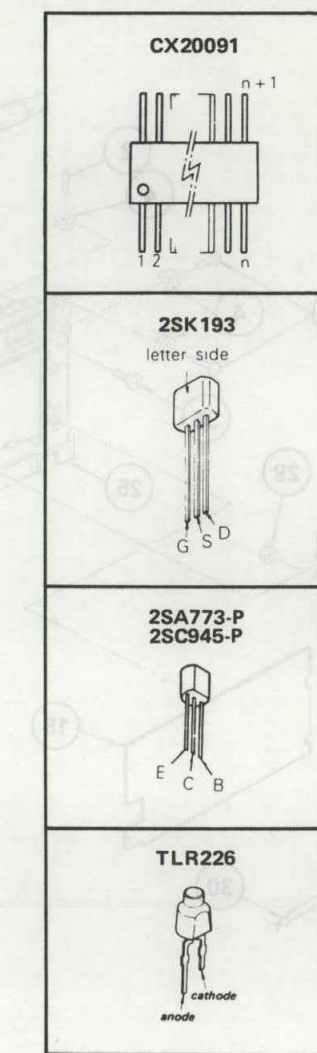
Free service manuals  
Gratis schema's  
Digitized by  
www.freeservicemanuals.info

Note:

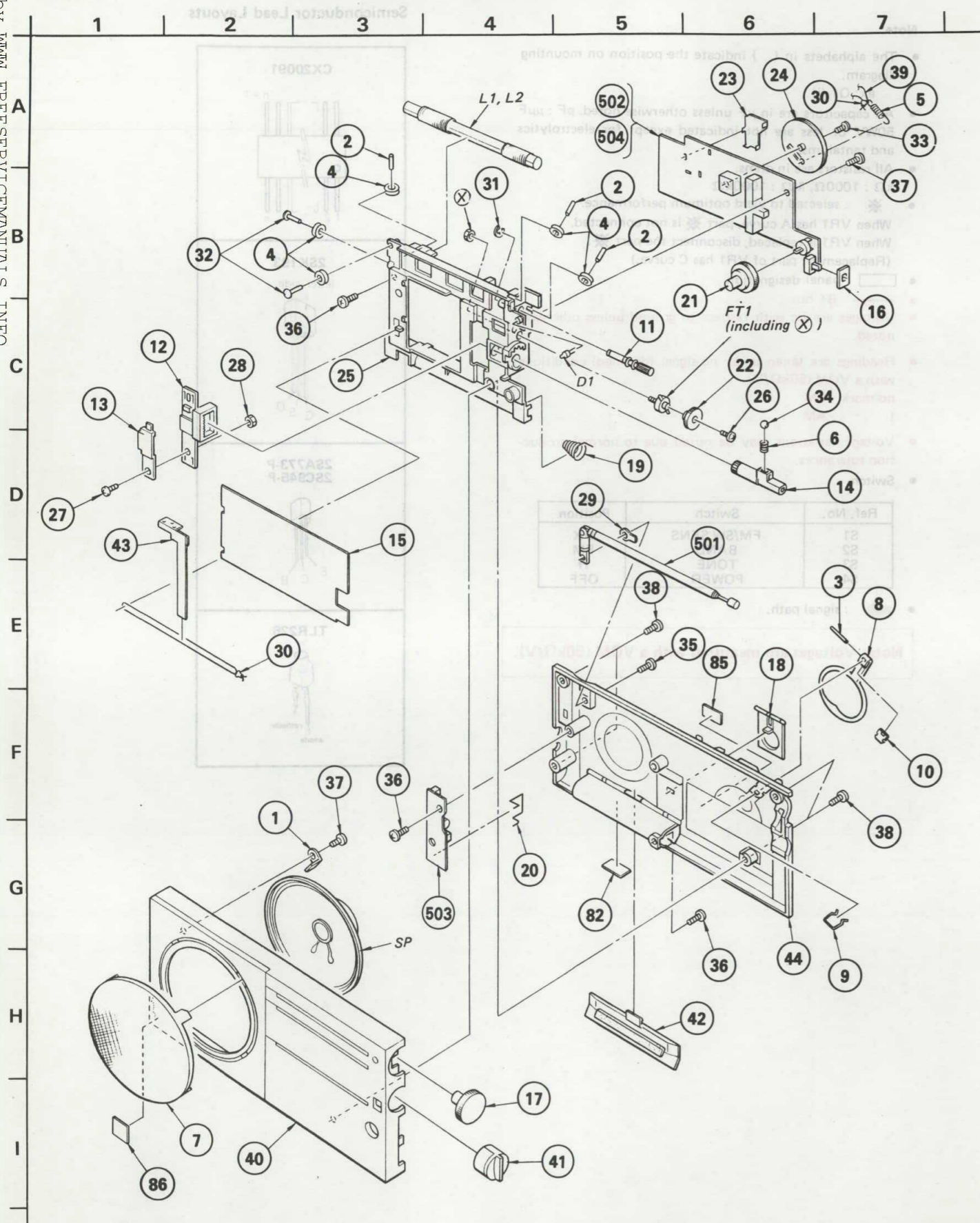
- The alphabets in ( ) indicate the position on mounting diagram.  
ex: Q1 (j)
  - All capacitors are in  $\mu F$  unless otherwise noted.  $pF$  :  $\mu\mu F$   
50WV or less are not indicated except for electrolytics and tantalums.
  - All resistors are in ohms.  
 $k\Omega$  : 1000 $\Omega$ ,  $M\Omega$  : 1000 $k\Omega$
  - \* : selected to yield optimum performance.  
When VR1 has A curve, part \* is not connected.  
When VR1 is replaced, disconnect the part \*.  
(Replacement part of VR1 has C curve.)
  - □ : panel designation.
  - — : B+ bus.
  - Voltages are dc with respect to ground unless otherwise noted.
  - Readings are taken under no-signal (detuned) conditions with a VOM (50k $\Omega/V$ ).  
no mark : FM  
( ) : AM
  - Voltage variations may be noted due to normal production tolerances.
  - Switch
- | Ref. No. | Switch     | Position |
|----------|------------|----------|
| S1       | FM/SW SENS | DX       |
| S2       | BAND       | FM       |
| S3       | tone       | H        |
| S4       | POWER      | OFF      |
- → : signal path.

Note: Voltages are measured with a VOM (50k $\Omega/V$ ).

Semiconductor Lead Layouts



SECTION 4 EXPLODED VIEW AND PARTS LIST



GENERAL SECTION		
No.	Part No.	Description
1	3-593-019-00	CLAW, SPEAKER
2	3-703-358-01	PIN, PARALLEL (DIA. 2X5)
3	3-703-358-08	PIN, PARALLEL (DIA. 2X20)
4	3-881-911-00	PULLEY
5	3-881-923-00	SPRING
6	3-890-231-00	SPRING, COMPRESSION
7	3-892-802-01	(SILVER)...NET, SPEAKER
7	3-892-802-11	(BLACK)...NET, SPEAKER
8	3-892-803-01	HANDLE
9	3-892-804-01	SPRING
10	3-892-805-01	STOPPER, HANDLE
11	3-892-806-01	SHAFT, TUNING
12	3-892-807-01	SLIDER
13	3-892-808-01	ADJUSTOR
14	3-892-809-01	SELECTOR, BAND
15	3-892-810-01	PLATE, BACK, DIAL
16	3-892-813-01	COVER, TONE SWITCH
17	3-892-814-01	(SILVER)...KNOB, TUNING
17	3-892-814-11	(BLACK)...KNOB, TUNING
18	3-892-817-01	STAND
19	3-892-818-01	SPRING
20	3-892-819-01	TERMINAL, BATTERY E
21	3-892-820-01	KNOB, CONTROL
22	3-892-821-01	KNOB, F, T
23	3-892-823-01	PLATE (B), SHIELD
24	3-892-825-01	DRUM, VC
25	3-892-826-01	CHASSIS
26	7-621-772-00	SCREW +B 2X3
27	7-621-773-95	SCREW +B 2.6X6
28	7-622-207-05	N 2.6, TYPE 2
29	7-623-508-01	LUG, 3
30	7-623-605-01	EYELET, 1.3X2.5
31	7-624-106-04	STOP RING 3.0, TYPE -E
32	7-625-712-40	RIVET 2X5
33	7-627-559-47	SCREW +P 1.7X4
34	7-671-156-01	BALL, STAINLESS
35	7-682-548-04	SCREW +B 3X8
36	7-685-547-14	SCREW +BTP 3X10 TYPE2 N-S
37	7-685-547-19	SCREW +BTP 3X10 TYPE2 N-S
38	7-685-549-14	SCREW +BTP 3X14 TYPE2 N-S
39	9-911-825-32	STRING, TETRON DIAL (0.3)
40	X-3892-801-1	(AEP,G-AEP;SILVER)...FRONT CABINET ASSY
40	X-3892-802-1	(AEP,G-AEP;BLACK)...FRONT CABINET ASSY
40	X-3892-803-1	(UK;SILVER)...FRONT CABINET ASSY
40	X-3892-804-1	(UK;BLACK)...FRONT CABINET ASSY
40	X-3892-805-1	(Canadian;SILVER)...FRONT CABINET ASSY
40	X-3892-806-1	(Canadian;BLACK)...FRONT CABINET ASSY

NOTE:  
 \* The mechanical parts with no reference number in the exploded views are not supplied.  
 \* Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.  
 \* Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.  
 \* 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:μF, PF:μμF.  
 RESISTORS  
 \* All resistors are in ohms.  
 \* F : nonflammable  
 COILS  
 \* MMH : mH, UH : μH  
 SEMICONDUCTORS  
 In each case, U : μ, for example:  
 UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.  
 Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

GENERAL SECTION		
No.	Part No.	Description
41	X-3892-807-1	(SILVER)...BAND SELECT KNOB ASSY
41	X-3892-808-1	(BLACK)...BAND SELECT KNOB ASSY
42	X-3892-809-1	BATTERY LID ASSY
43	X-3892-810-1	POINTOR ASSY
44	X-3892-811-1	REAR CABINET ASSY

ACCESSORY & PACKING MATERIAL		
No.	Part No.	Description
80	▲ 1-463-535-11	(UK)...ADAPTOR, AC
80	▲ 1-463-536-11	(AEP)...ADAPTOR, AC
80	▲ 1-463-806-00	(Canadian)...ADAPTOR, AC (AC-9)
81	.....	LABEL, SERIAL NUMBER
82	3-701-999-00	(BLACK)...LABEL, PRODUCT COLOR
83	3-701-308-00	(SILVER)...LABEL (SMALL), COLOR
84	3-703-539-01	(G-AEP)...INSTRUCTION, FTZ
85	3-703-593-01	(G-AEP)...LABEL, FTZ (11585)(SMALL)
86	3-703-710-01	STICKER, SONY SYMBOL (12)
87	3-892-833-01	CUSHION
88	3-892-834-01	SHEET (A), PROTECTION
89	3-892-835-01	SHEET (B), PROTECTION
90	3-892-836-01	(AEP(With AC ADAPTOR),UK)..FRAME(B), INNER
91	3-892-837-01	(Canadian)...FRAME(C), INNER
92	3-892-838-01	(AEP(With AC ADAPTOR),G-AEP).....INDIVIDUAL CARTON
92	3-892-839-01	(Canadian,AEP(Without AC ADAPTOR),UK)...INDIVIDUAL CARTON
93	3-895-622-41	(Canadian)...SHEET (C), PROTECTION
93	3-985-622-41	(AEP(With AC ADAPTOR),UK)...SHEET (C), PROTECTION
94	3-995-993-11	(Canadian,AEP,UK)...MANUAL, INSTRUCTION
94	3-995-993-41	(G-AEP)...MANUAL, INSTRUCTION

ELECTRICAL PARTS		
Ref.No.	Part No.	Description
501	1-501-222-21	ANTENNA, TELESCOPIC
502	▲ 1-612-486-11	PC BOARD, MAIN
503	▲ 1-612-487-11	PC BOARD, JACK
504	▲ A-3660-490-A	(AEP)...PC BOARD ASSY, MAIN
504	▲ A-3660-491-A	(Canadian,UK)...PC BOARD ASSY, MAIN
BPF	1-235-171-00	FILTER, BAND PASS
C1	1-102-951-00	CERAMIC 15PF 5% 50V
C2	1-101-361-00	CERAMIC 150PF 5% 50V
C3	1-102-820-00	CERAMIC 330PF 5% 50V
C4	1-101-004-00	CERAMIC 0.01MF 50V
C5	1-161-974-00	CERAMIC 0.1MF 16V
C6	1-161-034-00	CERAMIC 0.022MF 20% 25V
C7	1-101-001-00	CERAMIC 0.001MF 50V
C8	1-101-004-00	CERAMIC 0.01MF 50V
C9	1-102-960-00	CERAMIC 24PF 5% 50V
C10	1-102-672-00	(AEP,G-AEP)...CERAMIC 24PF 5% 50V
C10	1-102-892-00	(Canadian,UK)...CERAMIC 22PF 5% 50V
C11	1-123-316-00	ELECT 10MF 20% 16V
C12	1-101-004-00	CERAMIC 0.01MF 50V
C13	1-102-937-00	CERAMIC 4PF 0.25PF 50V
C14	1-102-880-00	CERAMIC 15PF 5% 50V
C15	1-104-067-00	POLYSTYRENE 390PF 5% 50V
C16	1-102-964-00	CERAMIC 36PF 5% 50V
C17	1-104-064-11	POLYSTYRENE 300PF 5% 50V
C18	1-101-361-00	CERAMIC 150PF 5% 50V
C19	1-102-285-00	CERAMIC 10PF 0.5PF 50V
C20	1-104-091-00	POLYSTYRENE 0.0039MF 5% 50V
C21	1-161-036-00	CERAMIC 0.047MF 20% 25V
C22	1-123-328-00	ELECT 4.7MF 20% 25V
C23	1-123-316-00	ELECT 10MF 20% 16V
C24	1-161-034-00	CERAMIC 0.022MF 20% 25V
C25	1-102-110-00	CERAMIC 220PF 10% 50V
C26	1-101-004-00	CERAMIC 0.01MF 50V
C27	1-123-316-00	ELECT 10MF 20% 16V
C28	1-123-328-00	ELECT 4.7MF 20% 25V
C29	1-123-316-00	ELECT 10MF 20% 16V
C30	1-161-036-00	CERAMIC 0.047MF 20% 25V
C31	1-161-013-00	CERAMIC 0.01MF 10% 25V
C32	1-124-463-11	ELECT 0.1MF 20% 50V
C33	1-161-036-00	CERAMIC 0.047MF 20% 25V
C34	1-161-014-00	CERAMIC 0.012MF 10% 25V
C35	1-161-036-00	CERAMIC 0.047MF 20% 25V
C36	1-161-028-00	CERAMIC 0.0022MF 20% 50V
C37	1-123-316-00	ELECT 10MF 20% 16V

NOTE:  
 \* The mechanical parts with no reference number in the exploded views are not supplied.  
 \* Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.  
 \* Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.  
 \* 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:μF, PF:μμF.  
 RESISTORS  
 \* All resistors are in ohms.  
 \* F : nonflammable  
 COILS  
 \* MMH : mH, UH : μH  
 SEMICONDUCTORS  
 In each case, U : μ, for example:  
 UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R1	1-246-521-00	CARBON	100K	5%	1/4W
R2	1-247-873-00	CARBON	56K	5%	1/6W
R3	1-247-823-00	CARBON	470	5%	1/6W
R4	1-246-465-00	CARBON	470	5%	1/4W
R5	1-246-485-00	CARBON	3.3K	5%	1/4W
R6	1-246-473-00	CARBON	1K	5%	1/4W
R7	1-246-485-00	CARBON	3.3K	5%	1/4W
R8	1-246-521-00	CARBON	100K	5%	1/4W
R9	1-247-849-00	CARBON	5.6K	5%	1/6W
R10	1-247-863-00	CARBON	22K	5%	1/6W
R11	1-247-867-00	CARBON	33K	5%	1/6W
R12	1-247-839-00	CARBON	2.2K	5%	1/6W
R13	1-247-859-00	CARBON	15K	5%	1/6W
R14	1-247-845-00	CARBON	3.9K	5%	1/6W
R15	1-247-879-00	CARBON	100K	5%	1/6W
R16	1-246-473-00	CARBON	1K	5%	1/4W
R17	1-247-831-00	CARBON	1K	5%	1/6W
R18	1-246-441-00	CARBON	47	5%	1/4W
R19	1-247-795-00	CARBON	33	5%	1/6W
R20	1-247-839-00	CARBON	2.2K	5%	1/6W
R21	1-246-485-00	CARBON	3.3K	5%	1/4W
S1	1-554-772-11	SWITCH, SLIDE			
S2	1-554-771-11	SWITCH, SLIDE			
S3	1-552-370-00	SWITCH, SLIDE			
S4	1-230-363-11	RES, VAR, CARBON (WITH SW) 50K			
SP	1-503-244-00	SPEAKER			
T1	1-404-341-00	TRANSFORMER, IF			
T2	1-404-536-11	COIL, AM IFT			
VR1	1-230-363-11	RES, VAR, CARBON (WITH SW) 50K			

## NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.
- 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: μF, PF: μμF.

## RESISTORS

All resistors are in ohms.

F : nonflammable

## COILS

MMH : mH, UH : μH

## SEMICONDUCTORS

In each case, U : μ, for example:

UA... : μA..., UPA... : μPA..., UPC... : μPC,

UPD... : μPD...

Sony Corporation



# SERVICE MANUAL

## SUPPLEMENT

File this supplement with the Service Manual.

Canadian Model  
AEP Model  
UK Model

Serial No. 54,042 and later

No. 1  
November, 1984

Subject • IC1 has been changed.  
• Mounting and schematic diagrams have been changed.

Free service manuals  
Gratis schema's

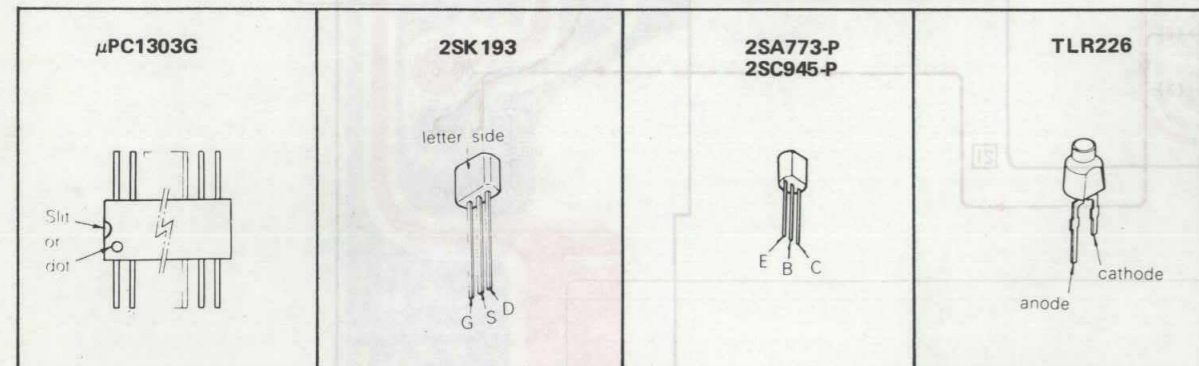
Digitized by

www.freeservicemanuals.info

### CHANGED PARTS

Ref. No.	Former Parts	New Parts	
	Description	Part No.	Description
C10	(AEP, G-AEP) . . . CERAMIC 24PF 5% 50V	1-102-883-00	(AEP, G-AEP) . . . CERAMIC 27PF 5% 50V
C25	CERAMIC 220PF 10% 50V	1-102-976-00	CERAMIC 180PF 5% 50V
IC1	IC CX 20091	1-807-018-11	IC $\mu$ PC 1303G
R18	CARBON 47 5% 1/4W	1-247-107-00	CARBON 100 5% 1/4W

### Semiconductor Lead Layouts



## FM/MW/LW/SW 4 BAND RECEIVER

Sony Corporation

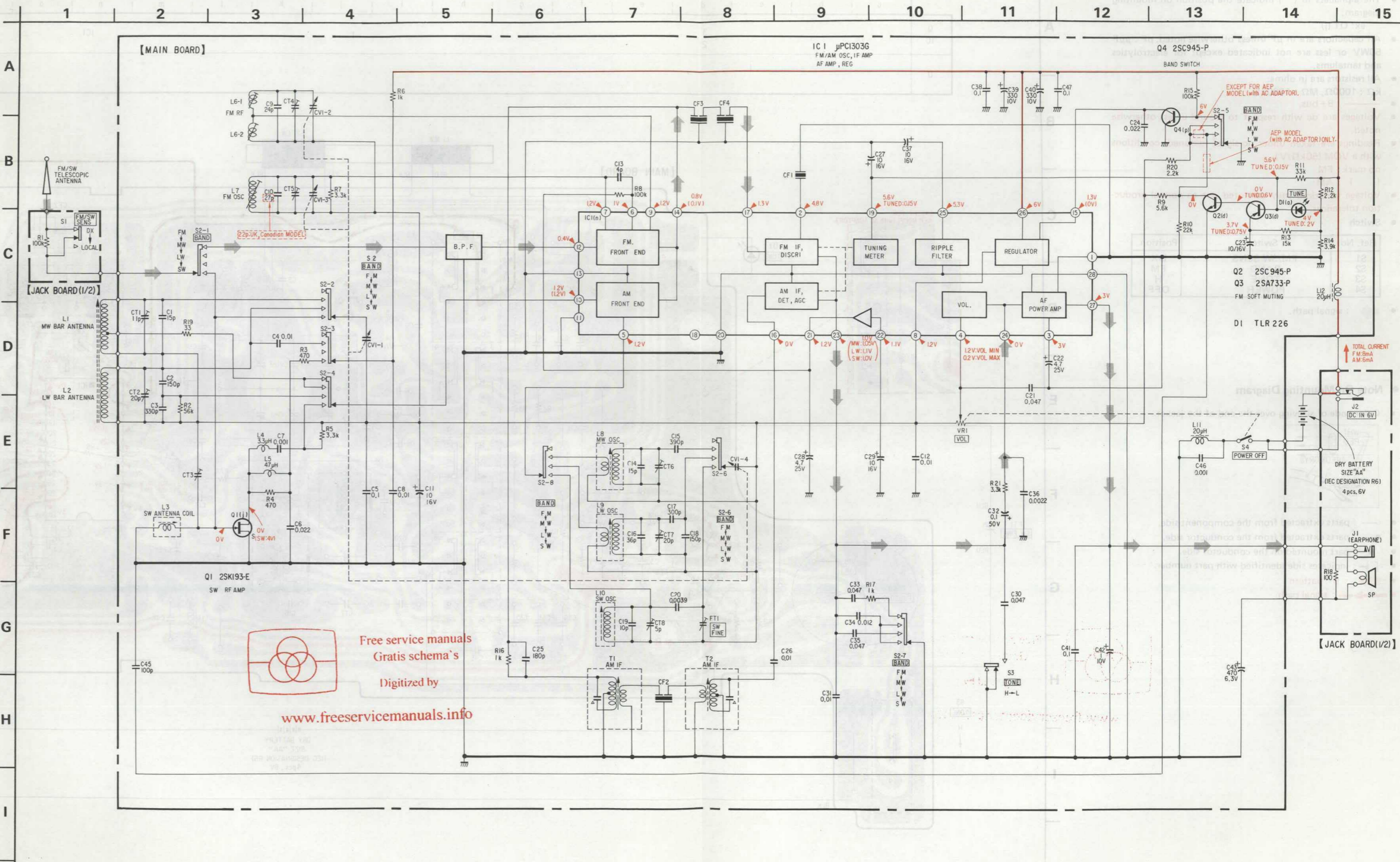
# SONY

English  
84K0296-1  
Printed in Japan  
© 1984



### SCHEMATIC DIAGRAM

• Refer to page 4 for note.



Free service manuals  
Gratis schema's  
Digitized by  
www.freeservicemanuals.info

**MOUNTING DIAGRAM**

**Note On Schematic Diagram**

- The alphabets in ( ) indicate the position on mounting diagram.  
ex: Q1 (j)
  - All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF} : \mu\mu\text{F}$   
50WV or less are not indicated except for electrolytics and tantalums.
  - All resistors are in ohms.  
 $\text{k}\Omega : 1000\Omega$ ,  $\text{M}\Omega : 1000\text{k}\Omega$
  - : B+ bus.
  - Volts are dc with respect to ground unless otherwise noted.
  - Readings are taken under no-signal (detuned) conditions with a VOM (50k $\Omega$ /V).  
no mark: FM  
( ) : AM
  - Voltage variations may be noted due to normal production tolerances.
  - Switch
- | Ref. No. | Switch     | Position |
|----------|------------|----------|
| S1       | FM/SW SENS | DX       |
| S2       | BAND       | FM       |
| S3       | TO NE      | H        |
| S4       | POWER      | OFF      |

→ : signal path.

**Note On Mounting Diagram**

- Color code of sleeving over the end of the jacket.
- 
- : parts extracted from the component side.
  - : parts extracted from the conductor side.
  - : part mounted on the conductor side.
  - ⊥ : indicates side identified with part number.
  - ▨ : B+ pattern
  - : signal path

