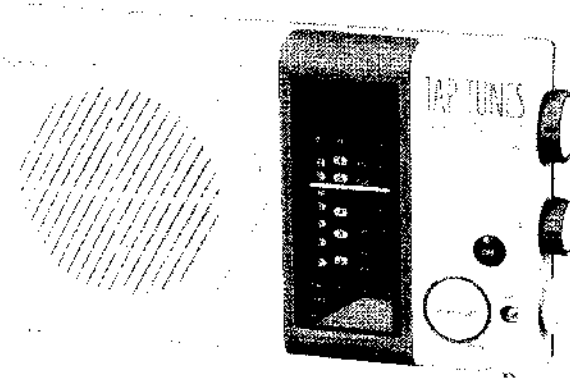


ICF-S77W

SERVICE MANUAL

US Model



TAP TUNES

SPECIFICATIONS

Frequency range	TV HI (high): 7 – 13 channels TV LO (low): 2 – 6 channels FM: 87.6 – 108 MHz AM: 530 – 1,605 kHz
Antennas	FM: Built-in print pattern antenna or external wire antenna AM: Built-in ferrite bar antenna
Speaker	Approx. 9.2 cm (3 ⁵ / ₈ inches) dia.
Power output	180 mV (at 10% harmonic distortion)
Power requirement	Radio: 4.5 V DC, three size C (IEC designation R14) batteries Clock: 1.5 V DC, one size AA (IEC designation R6) battery
Battery life	Radio: Approx. 55 hours of listening (for four hours a day at a normal volume), using Sony SUM-2 (NS) New Super batteries Clock: Approx. one year, using Sony SUM-3 (NS) New Super battery
Dimensions	Approx. 234 x 132 x 48 mm (w/h/d) (9 ¹ / ₄ x 5 ¹ / ₄ x 1 ⁵ / ₁₆ inches)
Weight	incl. projecting parts and controls Approx. 780 g (1 lb 12 oz) incl. batteries, not incl. other accessories
Accessories supplied	Mounting bracket (1 set) Hand strap (1) FM wire antenna (1) Screw (1)

Design and specifications subject to change without notice.

FEATURES

- Water-resistant receiver: listening in a bathroom is possible.
- TV sounds can be received.
- Easy installation using the stand, the strap or the mounting bracket.
- Easy-to-read blue LCD window of the built-in digital clock.
- Auto off timer, four positions selectable, is incorporated.
- The timer and the clock operate independently.

DO NOT IMMERSE IN WATER

This product is not meant to be immersed in water or come in continuous contact with water.

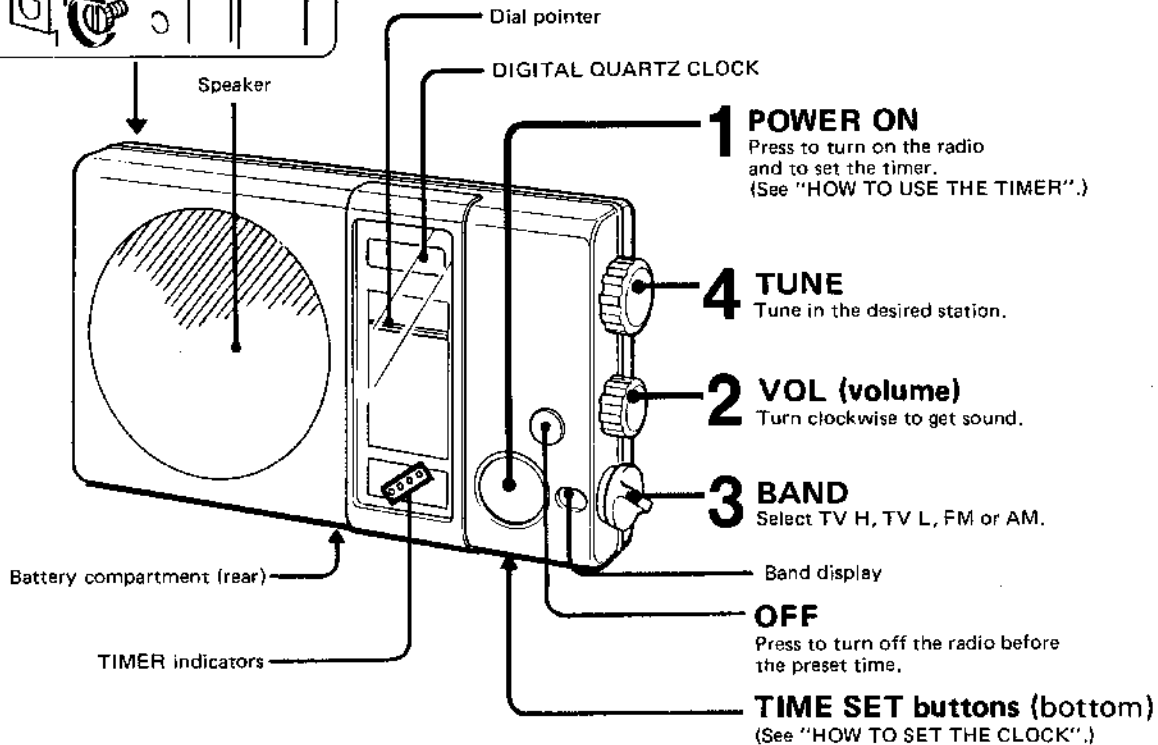
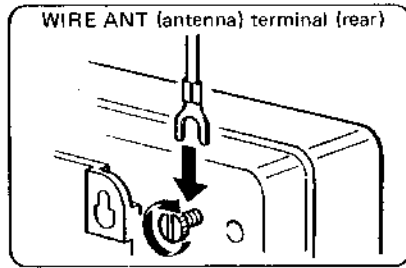
- Open the battery compartment lid where water cannot fall in the unit, and make sure that your hands are dry.
- Do not pour running water onto the unit.
- Do not expose the unit, especially clock, to water that is warmer than 70°C (158°F) for a long period of time.
- When the unit gets wet or if you do accidentally drop the unit into the water, wipe it with a soft cloth.
- Do not touch the unit with hands wet with soapsuds.
- If water stays in the speaker, pour it out by inverting the unit.

TV-HI/TV-LO/FM/AM
4 BAND RECEIVER

SONY®

TR

LOCATION AND FUNCTION OF CONTROLS



For improved reception

The built-in ferrite bar antenna (for AM) or the print pattern antenna (for TV and FM) activates. Change the direction of the unit for optimum reception. If noise still makes it hard to hear the FM program, connect the FM wire antenna (supplied) to the WIRE ANT terminal using the screw (supplied) and extend it as long as possible.

HOW TO USE THE TIMER

Set the timer by pressing the POWER ON button. With each push of the button, the TIMER indicator lights up showing the selected timer duration (60, 45, 30 or 15 min.). The radio will turn itself off automatically after the preset time has elapsed.

To turn off the radio before the preset time, press the OFF button.

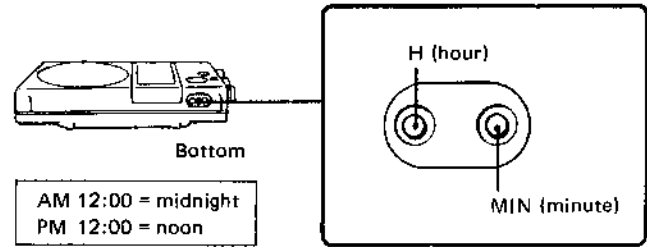
Note: There might be about $\pm 15\%$ deviation of timer duration.

HOW TO SET THE CLOCK

Adjust the clock to the current time by pressing the TIME SET buttons, H and MIN.

Each time the H or MIN button is pressed, the hour or minute digit advances by one. The hours and minutes are adjusted independently.

When the button is kept pressed, the hour and minute digits advance continuously.



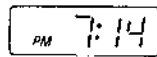
Zero second adjustment

Example: To set to 7:15 p.m. time signal

1 Adjust to 7:14 p.m. as described before.

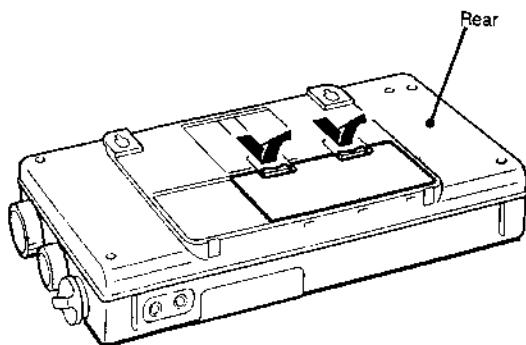
2 Press the MIN button simultaneously with the radio or telephone time signal. (Do not keep it pressed.)

Note: If the time indication has advanced to PM 7:15 while waiting the time signal in step 1, readjust the time indication to PM 7:14.

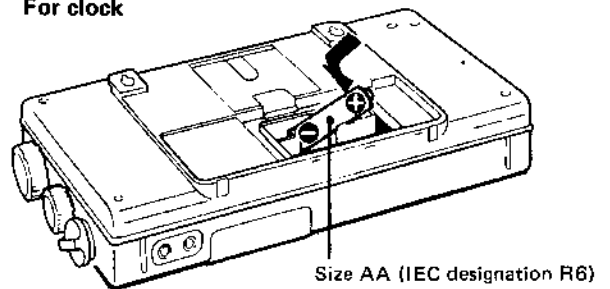


BATTERY INSTALLATION

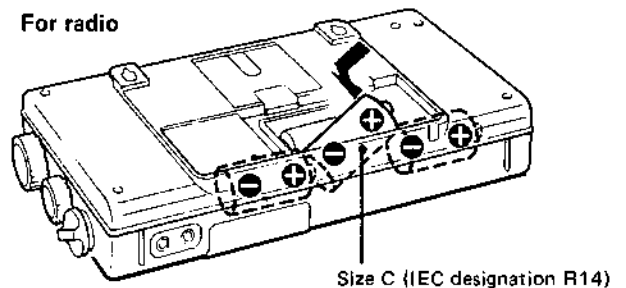
Before opening the battery compartment lid, wipe off any water on the outside of the unit.



For clock



For radio



Battery replacement

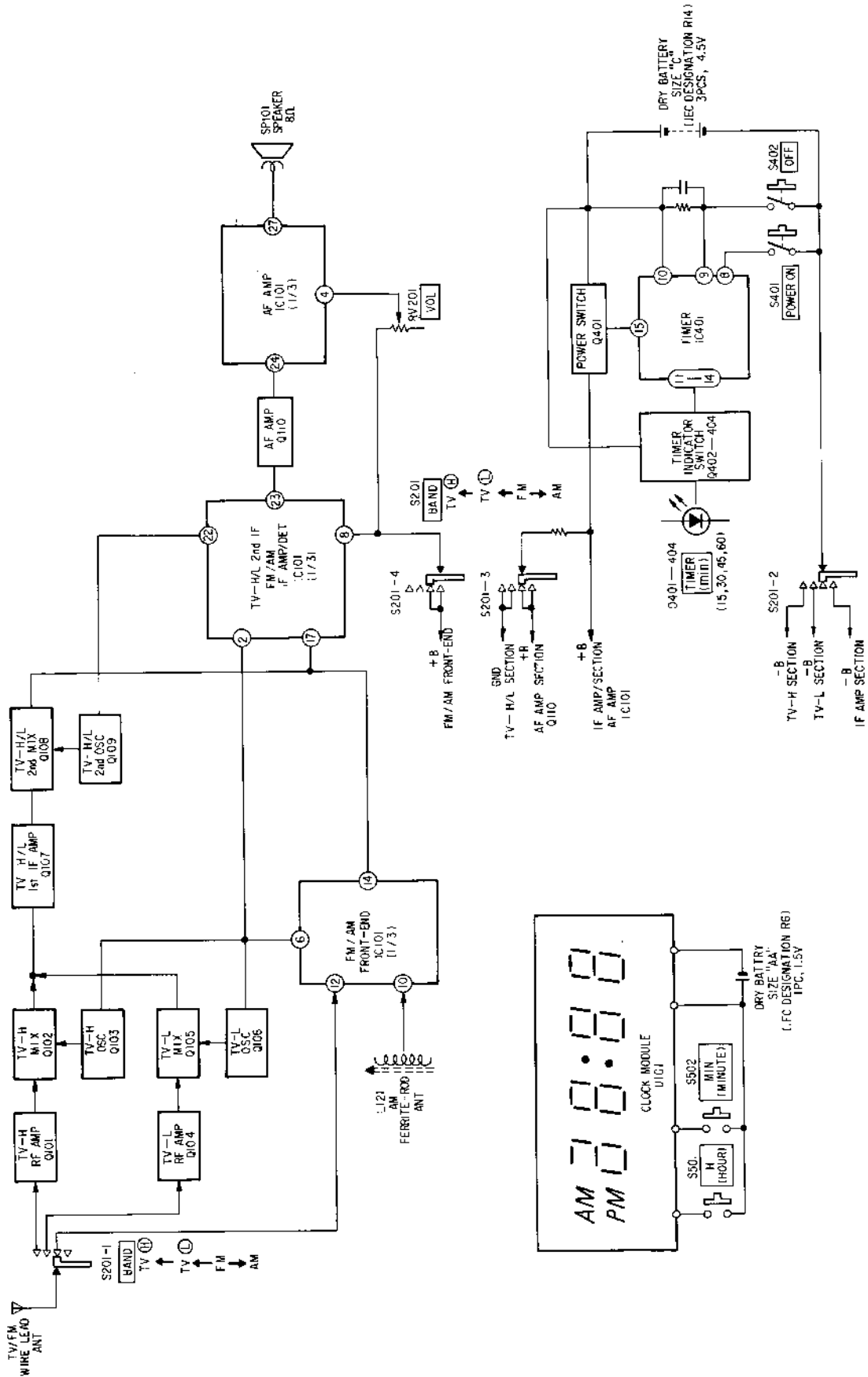
For radio: Replace all the batteries with new ones when the TIMER indicator glows faintly.

For clock: Replace the battery with a new one once a year.

Concerning the battery life, see "SPECIFICATIONS".

Close the lid firmly until a click sounds.

SECTION 1
BLOCK DIAGRAM



SECTION 2 DISASSEMBLY

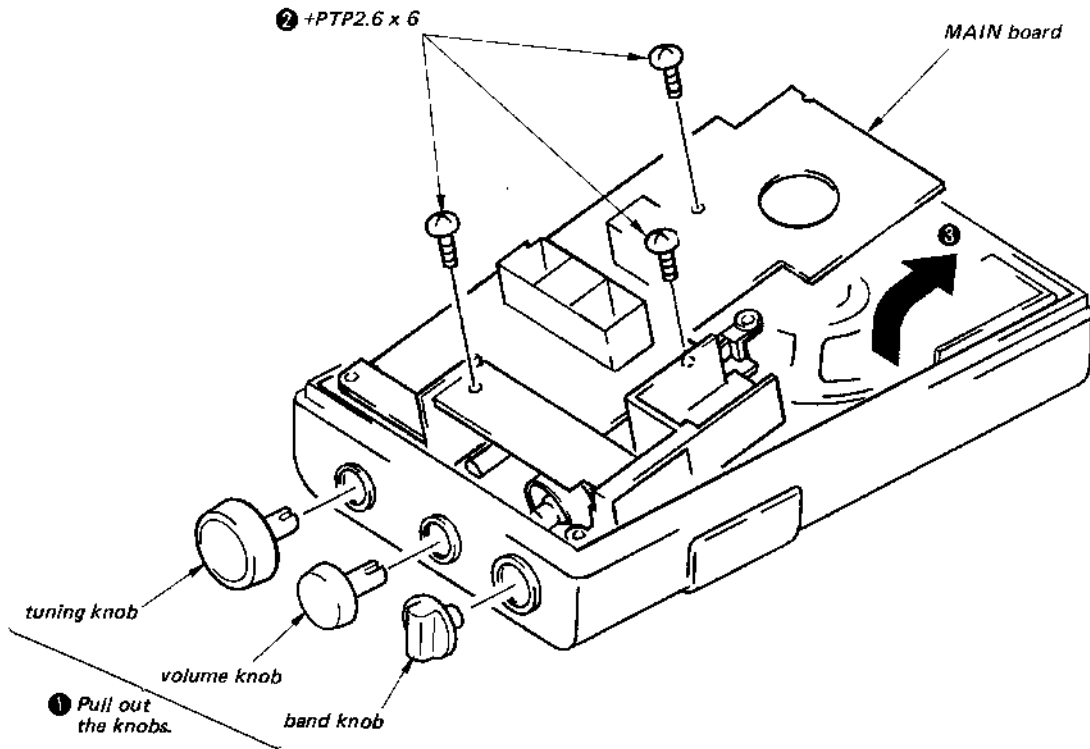
ICF-S77W

Note: Follow the disassembly procedure in the numerical order given.

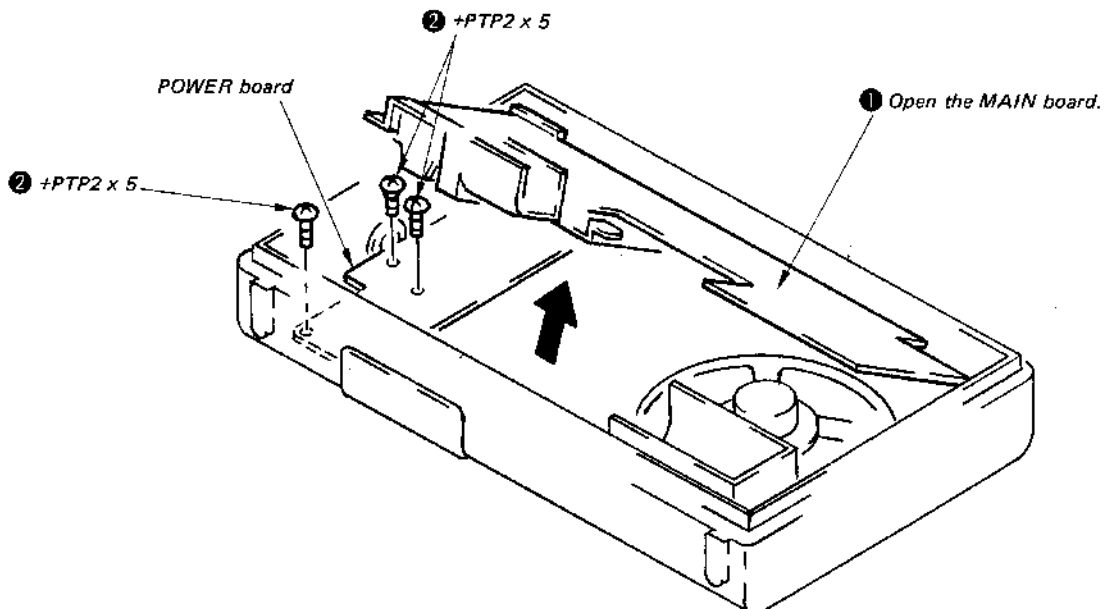
REAR CABINET

Remove rear cabinet by taking out four screws and washers.

MAIN BOARD



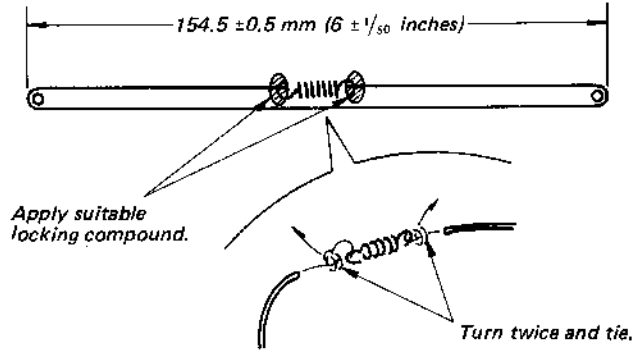
POWER BOARD



DIAL CORD STRINGING

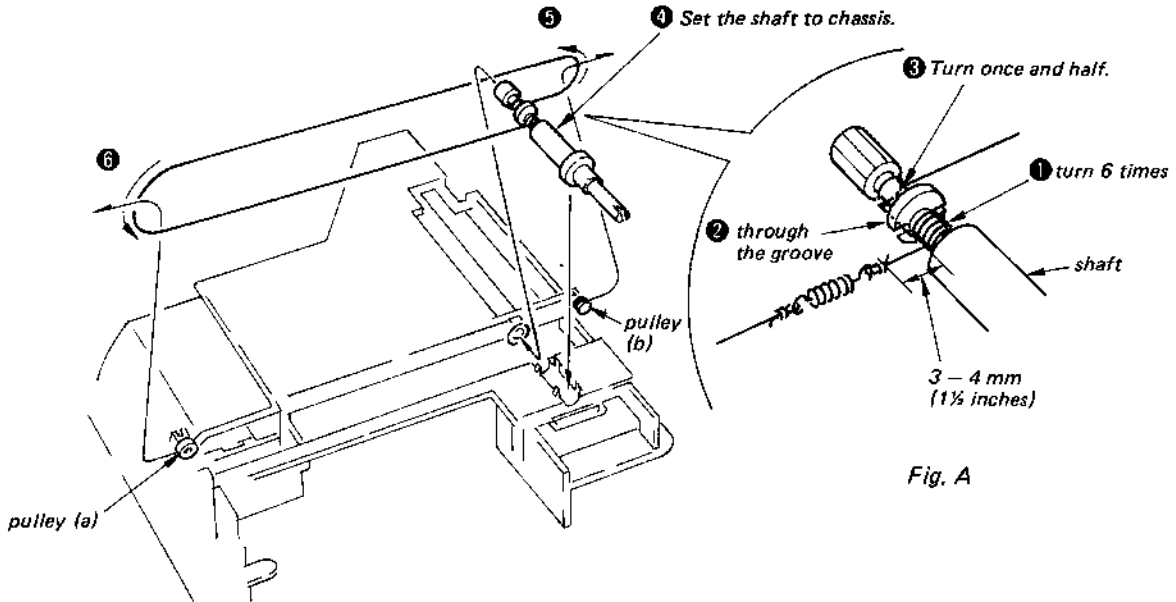
1. Preparation

Prepare the dial cord ($\phi 0.25 \text{ mm} = \phi 1/100 \text{ inches}$) as shown in the figure.



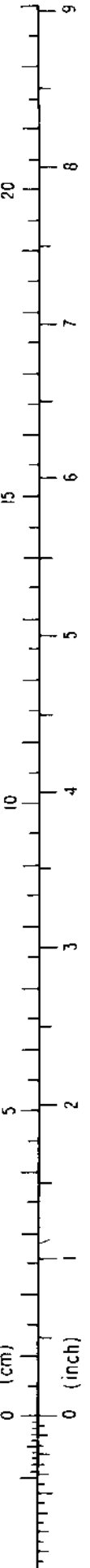
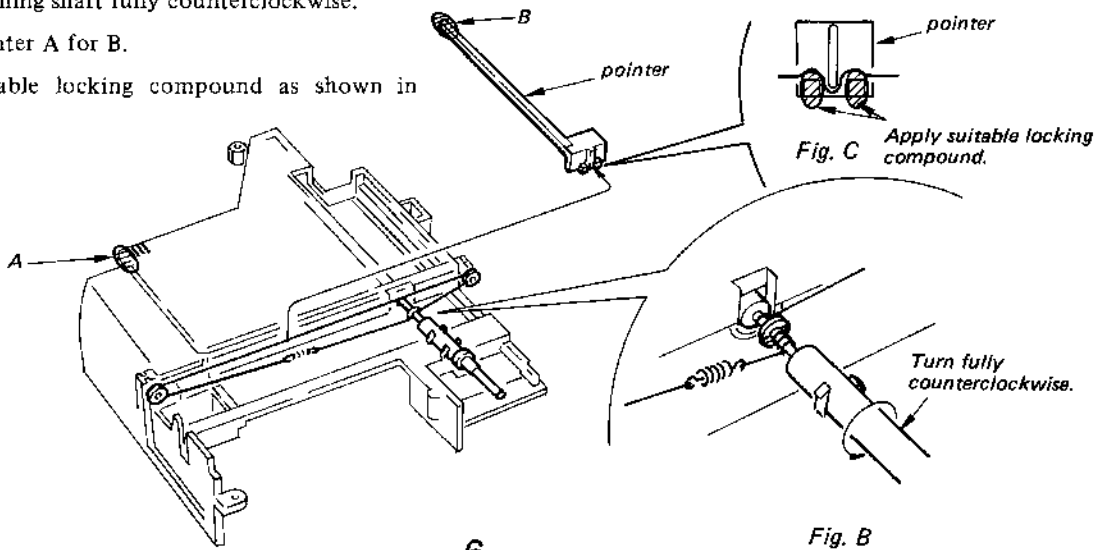
2. Dial Cord Stringing

1) Turn the two dial drums fully counterclockwise.



3. Dial Pointer Setting

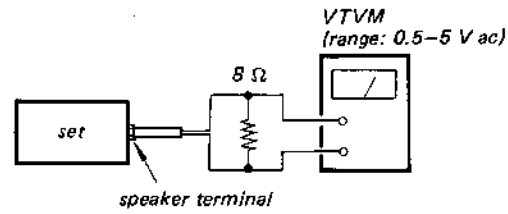
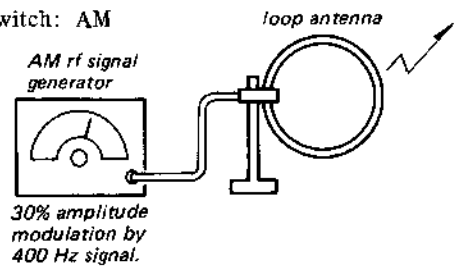
- 1) Turn the tuning shaft fully counterclockwise.
- 2) Set the pointer A for B.
- 3) Apply suitable locking compound as shown in Fig. C.



SECTION 3
ADJUSTMENTS

AM SECTION

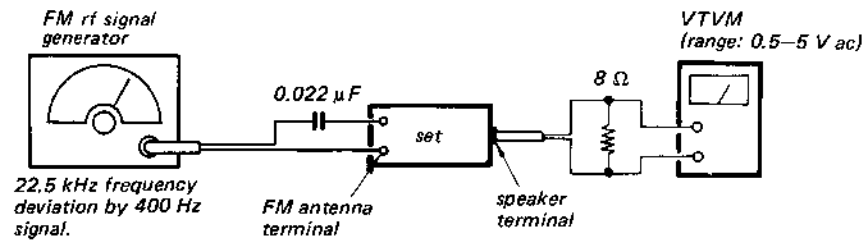
BAND switch: AM



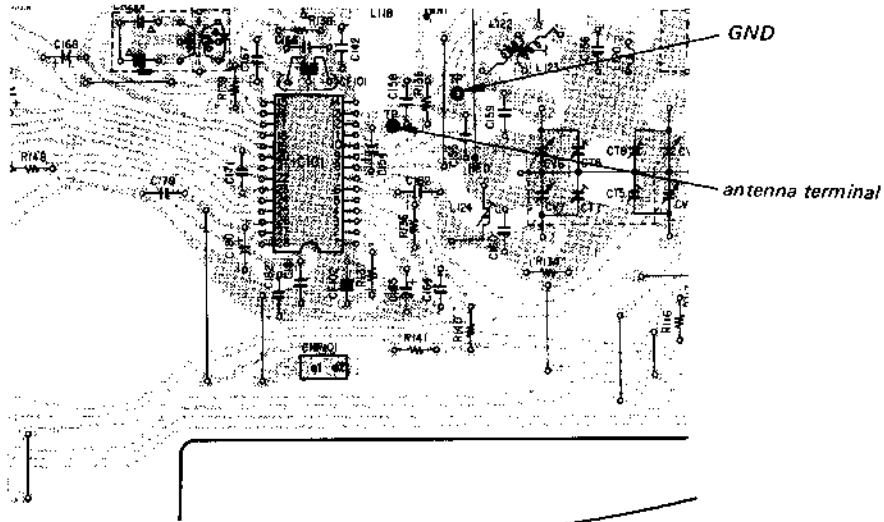
• Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

FM SECTION

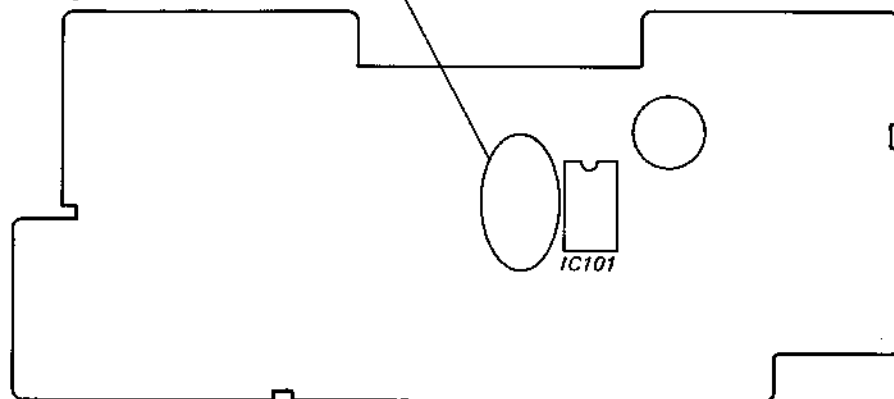
BAND switch: FM



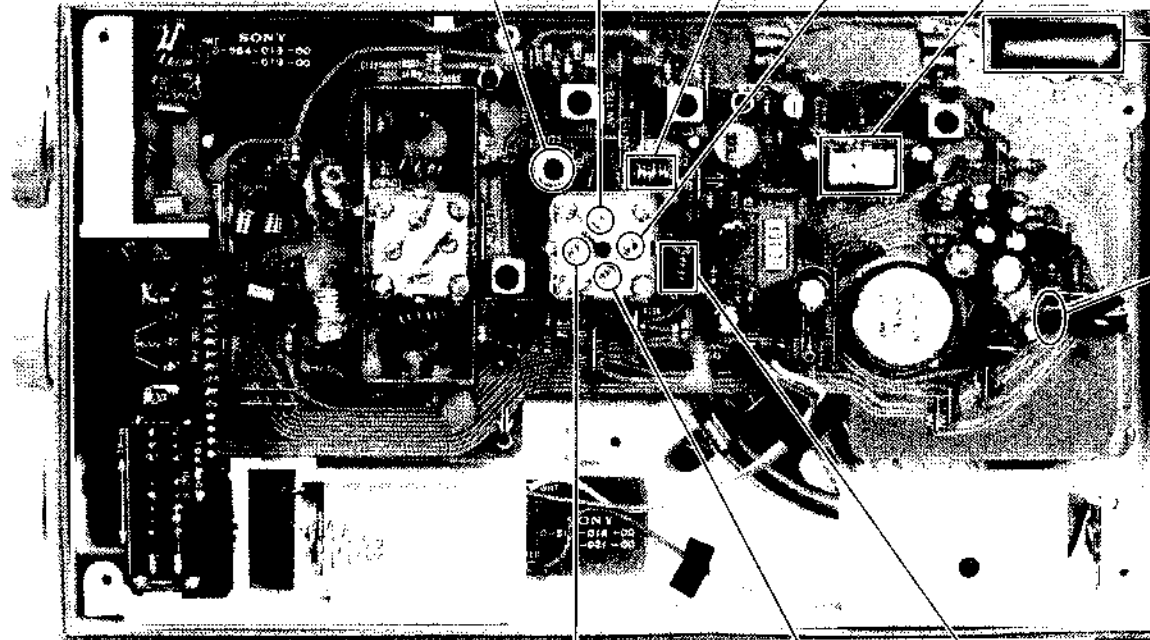
- FM antenna terminal -



[MAIN BOARD]



[MAIN BOARD]



AM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
520 kHz	1,680 kHz
L125	CT8

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
87 MHz	109.5 MHz
L122, 123	CT6

AM IF ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
455 kHz	
CFZ101	

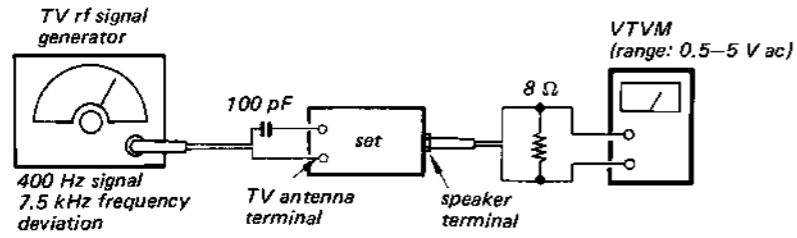
CT7	L124
109.5 MHz	87 MHz
Adjust for a maximum reading on VTVM.	
FM FREQUENCY COVERAGE ADJUSTMENT	

CT5	L121
1,400 kHz	600 kHz
Adjust for a maximum reading on VTVM.	
AM TRACKING ADJUSTMENT	

TV SECTION

BAND switch: TV

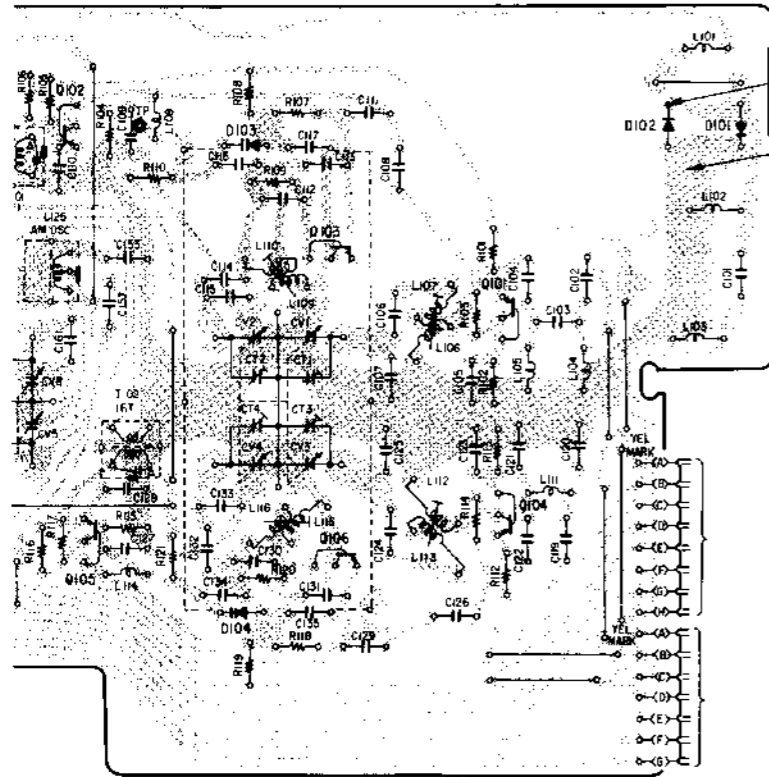
- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.



TV (HIGH) TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
178 MHz	218 MHz
L106, 107	CT1

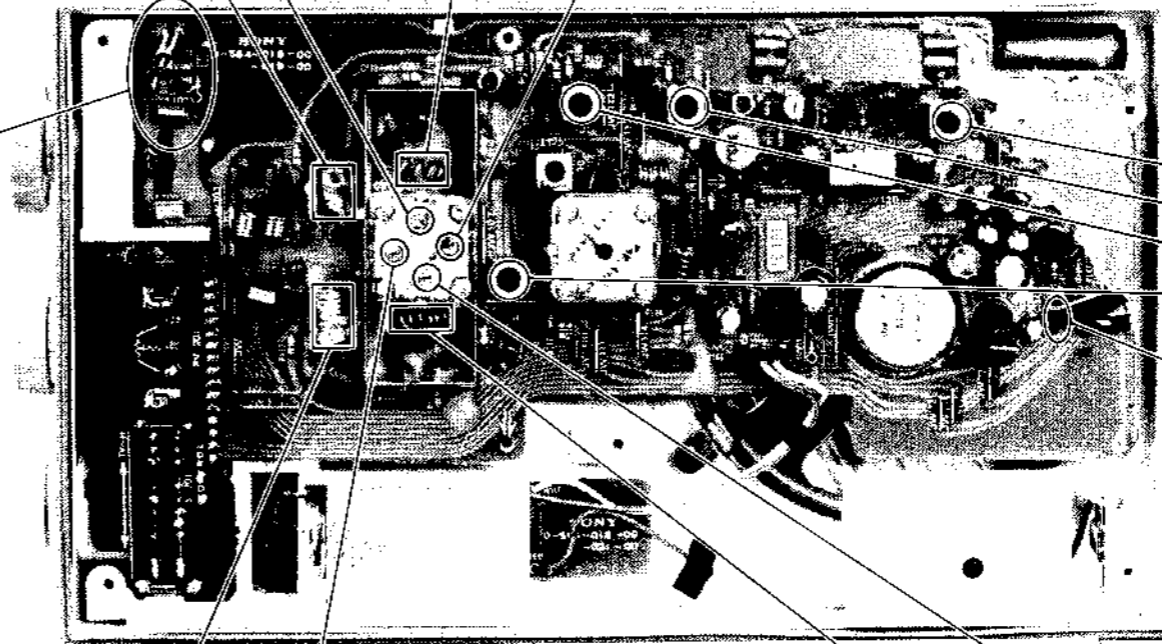
TV (HIGH) FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
178 MHz	218 MHz
L109, 110	CT2

- TV antenna terminal -



TV antenna terminal
GND

[MAIN BOARD]



TV IF ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L119 (2nd OSC)	41.25 MHz
T103 (HIGH/LOW)	
T101 (HIGH)	
T102 (LOW)	

speaker terminal

L112, 113	CT3
58 MHz	90 MHz
Adjust for a maximum reading on VTVM.	
TV (LOW) TRACKING ADJUSTMENT	

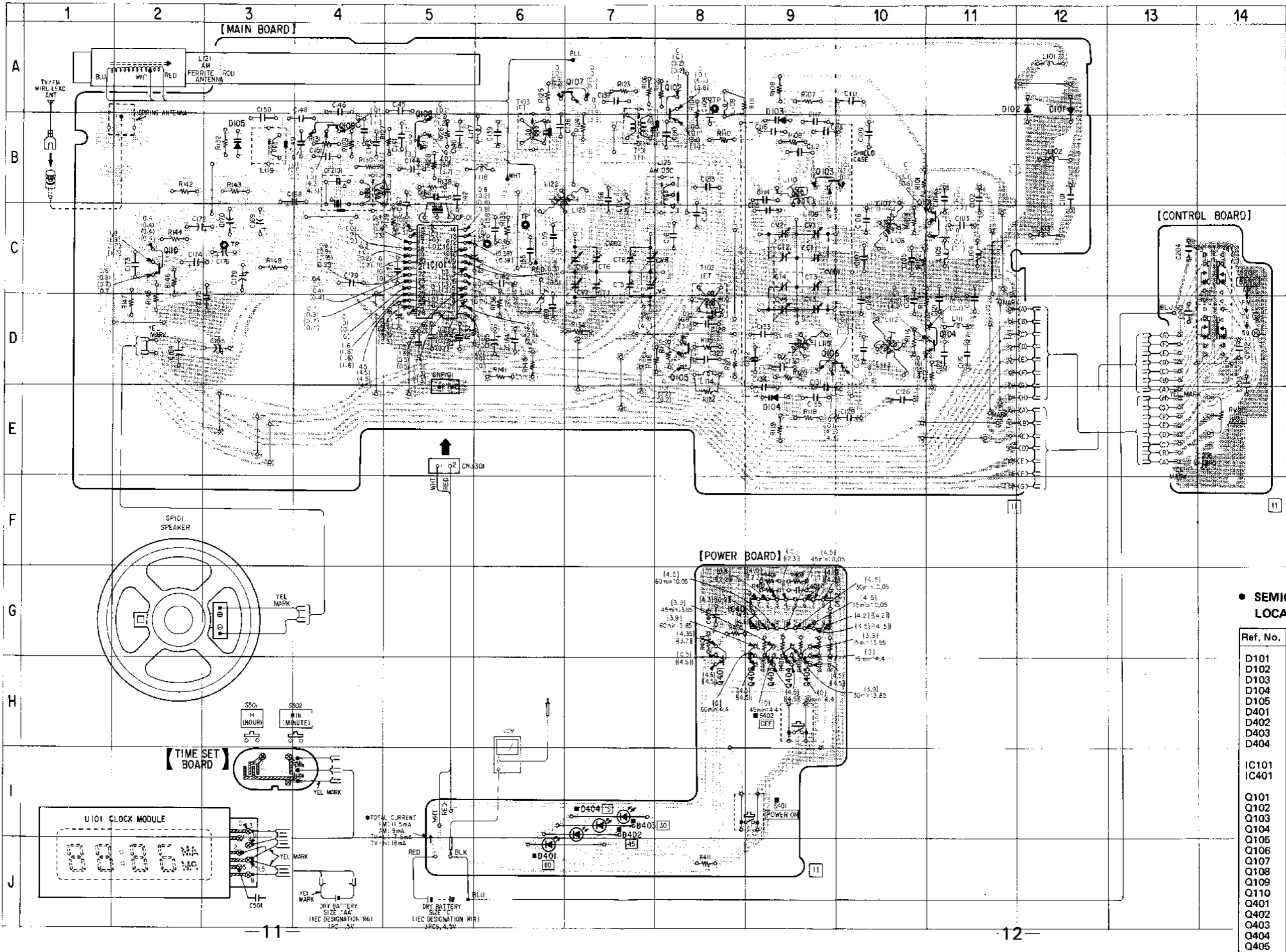
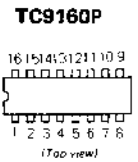
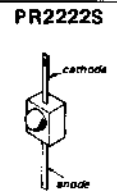
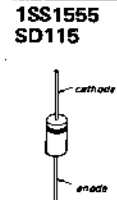
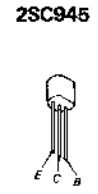
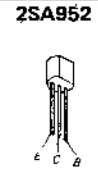
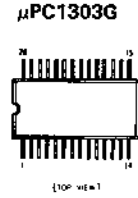
L115, 116	CT4
58 MHz	90 MHz
Adjust for a maximum reading on VTVM.	
TV (LOW) FREQUENCY COVERAGE ADJUSTMENT	

SECTION 4
DIAGRAMS

ICF-S77W ICF-S77W

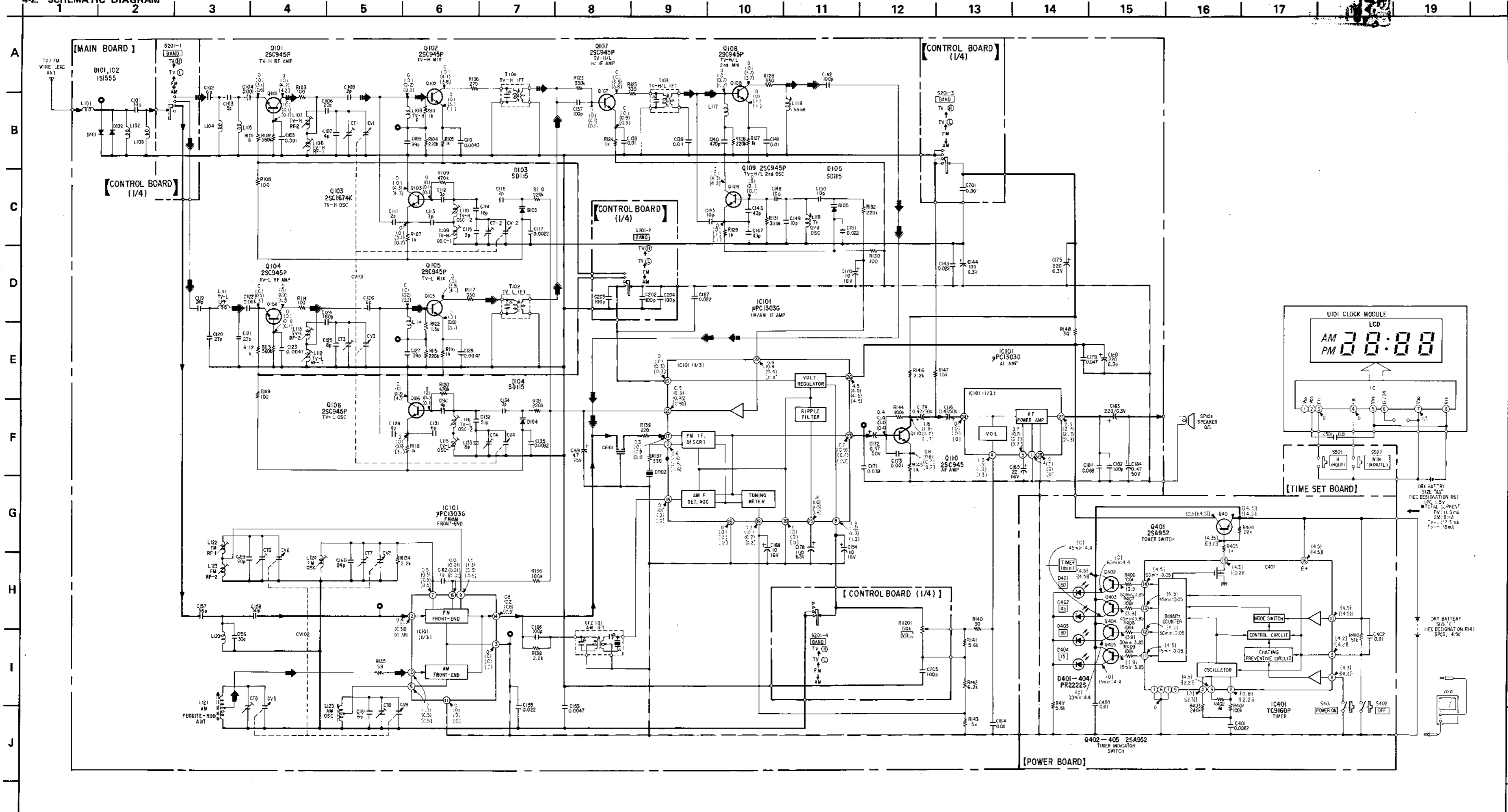
4.1. MOUNTING DIAGRAM

● Semiconductor Lead Layouts



● SEMICONDUCTOR LOCATION

Ref. No.	Location
D101	A-12
D102	A-12
D103	B-9
D104	E-9
D105	B-3
D401	J-6
D402	I-7
D403	I-7
D404	I-7
IC101	C-5
IC401	G-9
Q101	C-11
Q102	A-8
Q103	B-9
Q104	D-11
Q105	D-8
Q106	D-9
Q107	A-7
Q108	B-5
Q109	B-4
Q110	C-2
Q401	H-8
Q402	H-9
Q403	H-9
Q404	H-9
Q405	H-9



- Note on Schematic Diagram:**
- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $\frac{1}{2}\text{W}$ or less unless otherwise specified.
 - Δ : Internal component.
 - \square : B-bus.
 - Voltages are dc with respect to ground unless otherwise noted.
 - Readings are taken under no-signal (detuned) conditions with a VOM (50 $\text{k}\Omega/\text{V}$).
 - no mark: FM
 - () : AM
 - < > : TV-L
 - [] : TV-H
 - | | : POWER OFF
 - | | : POWER ON
 - : FM signal path.
 - : AM signal path.
 - : TV-L signal path.
 - : TV-H signal path.
 - Switch

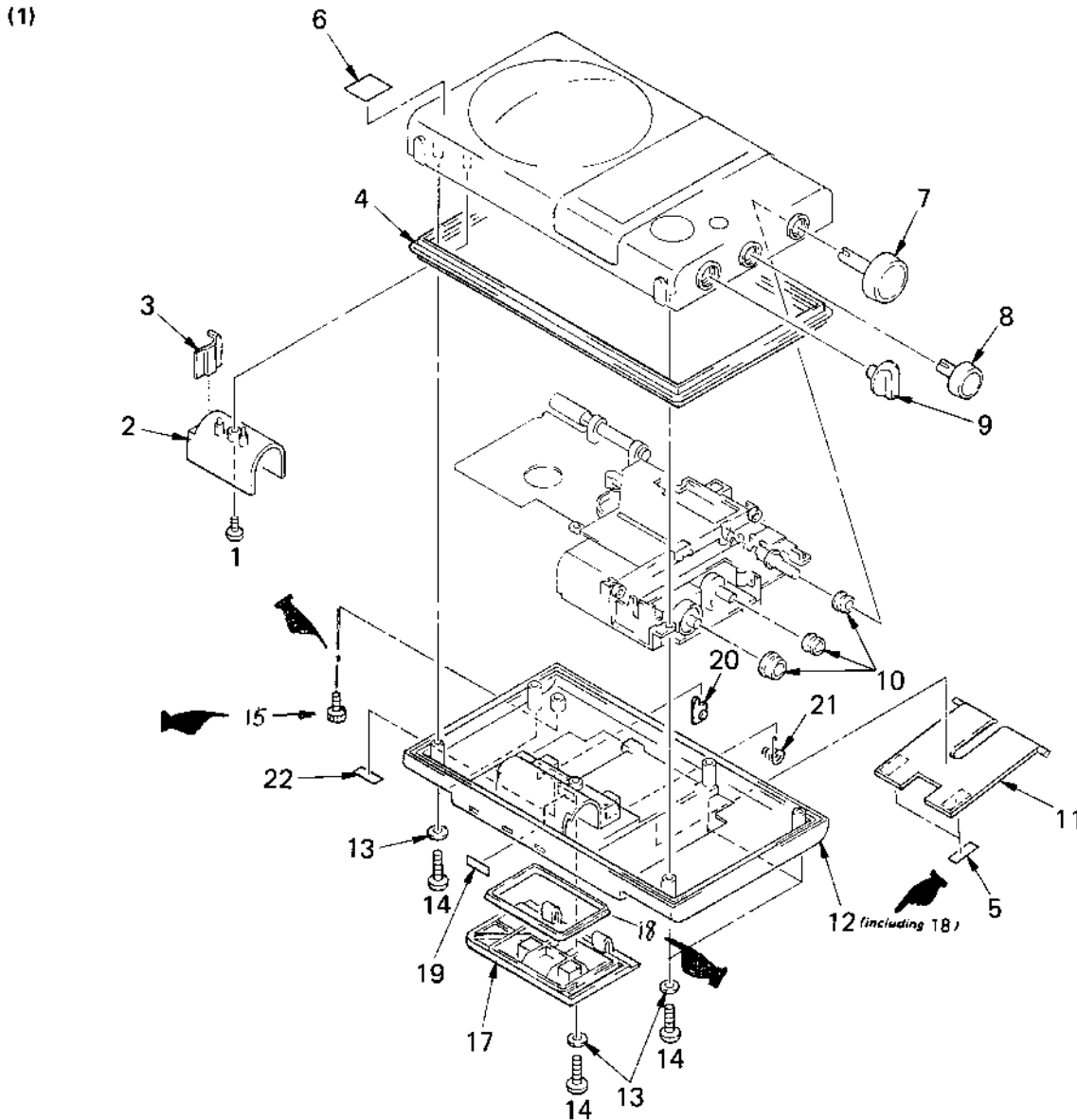
Ref. No.	Switch	Position
S201	BAND	FM
S401	POWER ON	OFF
S402	OFF	OFF

- Note on Mounting Diagram:**
- \circ : parts extracted from the component side.
 - \bullet : parts extracted from the conductor side.
 - \blacksquare : part mounted on the conductor side.
 - \square : indicates side identified with part number.
 - \otimes : Through hole.
 - \square : component-side pattern.

SECTION 5

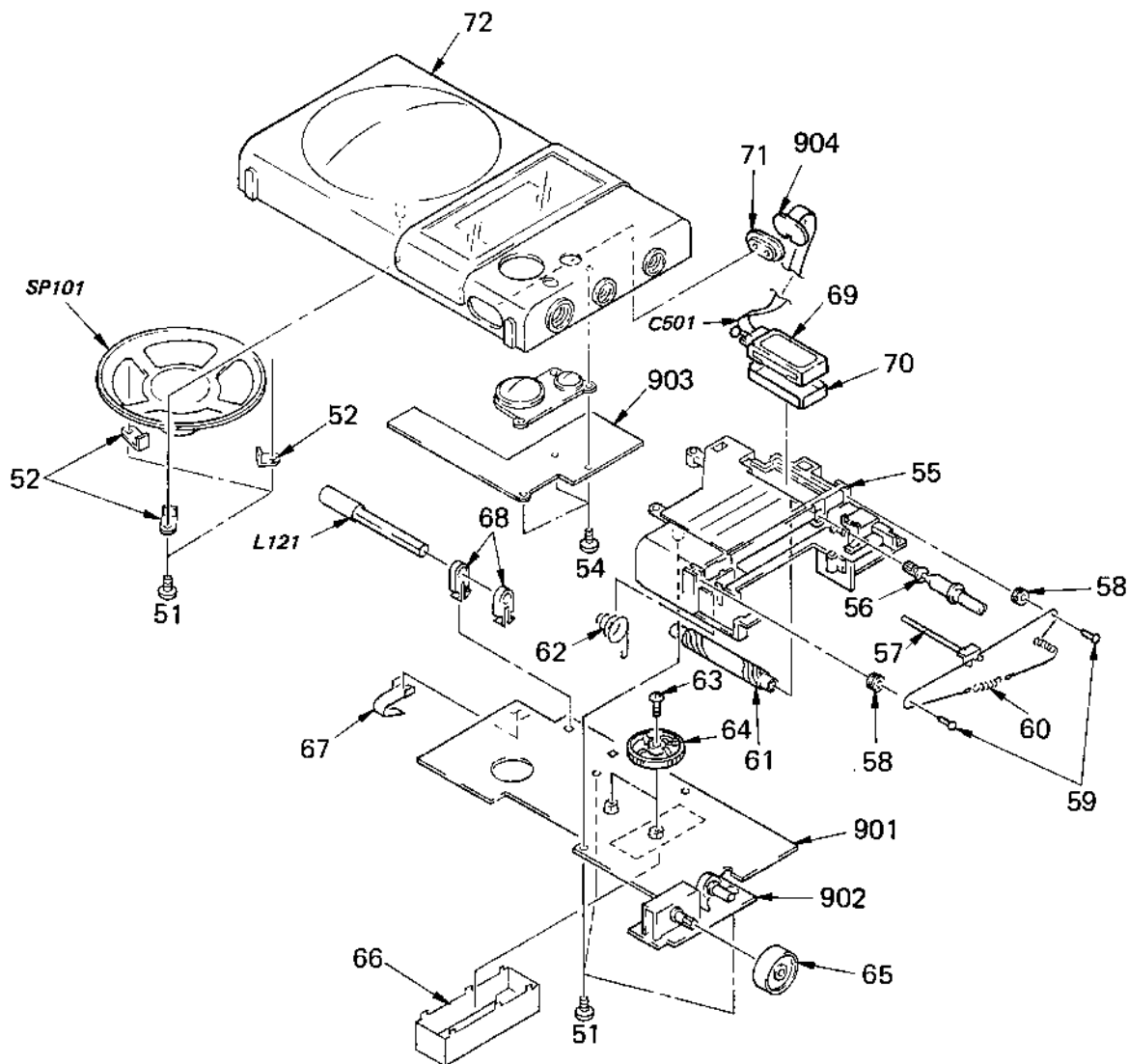
EXPLODED VIEWS AND PARTS LIST

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.
 The construction parts of an assembled part are indicated with a collation number in the remark column.



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	7-685-133-14	SCREW +P 2.6X6 TYPE1		12	X-3897-410-1	CABINET ASSY, REAR	
2	*3-897-418-01	CHASSIS, BATTERY		13	3-701-439-21	WASHER	
3	3-897-402-01	TERMINAL (L), PLUS		14	7-685-148-14	SCREW +P 3X12 TYPE2 NON-SLIT	
4	3-897-421-01	PACKING, MAIN		15	3-840-416-31	SCREW, ANTENNA TERMINAL	
5	X-3897-409-1	CABINET ASSY, FRONT		16		deletion	
6	3-703-710-01	STICKER, SONY SYMBOL (12)		17	X-3897-411-1	LID, BATTERY CASE	
7	X-3897-407-1	KNOB, TUNING ASSY		18	3-897-406-01	PACKING, BATTERY	
8	X-3897-408-1	KNOB, VOLUME ASSY		19	*3-701-999-00	LABEL, SERIAL NUMBER	
9	3-897-410-01	KNOB, BAND		20	3-897-448-01	TERMINAL (S), BATTERY	
10	3-897-405-01	BUSHING		21	3-897-447-01	SPRING (S)	
11	3-897-423-01	ARM		22	3-897-445-01	LABEL, BATTERY	

(2)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	7-685-133-14	SCREW +P 2.6X6 TYPE1		66	*3-897-436-01	PLATE (1), SHIELD	
52	3-897-464-01	BRACKET, SPEAKER		67	*3-897-442-01	SPRING, ANTENNA	
54	7-685-103-11	+PTP 2.5 C2N-N		68	*3-891-616-00	HOLDER, ANTENNA, BAR	
55	3-897-429-11	CHASSIS		69	1-548-146-11	CLOCK	
56	3-897-420-01	SHAFT		70	*3-897-446-01	CASE, SHIELD	
57	3-897-419-11	POINTER		71	3-897-422-01	BUTTON, TIME SET (S501,S502)	
58	3-834-636-00	PULLEY		72	X-3897-409-1	CABINET ASSY, FRONT	
59	7-625-713-80	RIVET 2X12		901	*A-3615-130-A	PC BOARD ASSY, MAIN	
60	3-891-610-00	SPRING		902	*1-619-933-11	PC BOARD, CONTROL	
61	3-897-413-01	SHAFT, GEAR		903	*1-619-934-11	PC BOARD, POWER	
62	3-897-401-01	SPRING (L)		904	1-620-179-11	PC BOARD, TIME SET	
63	7-621-284-20	SCREW +P 2.6X6		C501	1-161-013-00	CAP, CERAMIC 0.01MF 20% 25V	
64	*3-897-407-01	DRUM		L121	1-402-232-11	ANTENNA, FERRITE-ROD (AM)	
65	*3-897-427-01	RING, BAND		SP101	1-503-681-11	SPEAKER	

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

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:µF, PF:µµF.

RESISTORS

All resistors are in ohms.

.F : nonflammable

COILS

MMH : mH, UH : µH

SEMICONDUCTORS

In each case, U : V, for example:

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

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
901	*A-3615-130-A	PC BOARD ASSY, MAIN				
902	*1-619-933-11	PC BOARD, CONTROL				
903	*1-619-934-11	PC BOARD, POWER				
904	1-620-179-11	PC BOARD, TIME SET				
C101	1-102-963-00	CERAMIC	33PF	5%	50V	
C102	1-102-943-00	CERAMIC	6PF	0.5PF	50V	
C103	1-102-942-00	CERAMIC	5PF	0.5PF	50V	
C104	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C105	1-101-001-00	CERAMIC	0.001MF	Z	50V	
C106	1-102-958-00	CERAMIC	20PF	5%	50V	
C107	1-102-941-00	CERAMIC	4PF	0.5PF	50V	
C108	1-102-406-00	CERAMIC	2PF	0.25PF	50V	
C109	1-102-520-00	CERAMIC	39PF	5%	50V	
C110	1-161-047-00	CERAMIC	0.0047MF	20%	25V	
C111	1-102-406-00	CERAMIC	2PF	0.25PF	50V	
C112	1-102-503-00	CERAMIC	3PF	0.25PF	50V	
C113	1-102-743-00	CERAMIC	3PF	0.25PF	50V	
C114	1-102-512-00	CERAMIC	16PF	5%	50V	
C115	1-102-743-00	CERAMIC	3PF	0.25PF	50V	
C116	1-102-406-00	CERAMIC	2PF	0.25PF	50V	
C117	1-161-043-00	CERAMIC	0.0022MF	20%	25V	
C119	1-102-960-00	CERAMIC	24PF	5%	50V	
C120	1-102-961-00	CERAMIC	27PF	5%	50V	
C121	1-102-961-00	CERAMIC	27PF	5%	50V	
C122	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C123	1-101-003-00	CERAMIC	0.0047MF	Z	50V	
C124	1-102-976-00	CERAMIC	180PF	5%	50V	
C125	1-102-945-00	CERAMIC	8PF	0.5PF	50V	
C126	1-102-505-00	CERAMIC	6PF	0.5PF	50V	
C127	1-102-520-00	CERAMIC	39PF	5%	50V	
C128	1-161-047-00	CERAMIC	0.0047MF	20%	25V	
C129	1-102-504-00	CERAMIC	4PF	0.25PF	50V	
C130	1-102-504-00	CERAMIC	4PF	0.25PF	50V	
C131	1-102-857-00	CERAMIC	6PF	0.5PF	50V	
C132	1-102-522-00	CERAMIC	51PF	5%	50V	
C133	1-102-684-00	CERAMIC	8PF	0.5PF	50V	
C134	1-102-503-00	CERAMIC	3PF	0.25PF	50V	
C135	1-161-012-00	CERAMIC	0.0082MF	10%	25V	
C137	1-102-106-00	CERAMIC	100PF	10%	50V	
C138	1-101-004-00	CERAMIC	0.01MF	Z	50V	
C139	1-101-004-00	CERAMIC	0.01MF	Z	50V	
C140	1-102-114-00	CERAMIC	470PF	10%	50V	
C141	1-101-004-00	CERAMIC	0.01MF	Z	50V	
C142	1-102-106-00	CERAMIC	100PF	10%	50V	
C143	1-161-055-00	CERAMIC	0.022MF	20%	25V	
C144	1-123-307-00	ELECT	100MF	20%	6.3V	
C145	1-102-508-00	CERAMIC	10PF	0.5PF	50V	

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
C146	1-102-521-00	CERAMIC	43PF	5%	50V	
C147	1-102-521-00	CERAMIC	43PF	5%	50V	
C148	1-102-508-00	CERAMIC	10PF	0.5PF	50V	
C149	1-102-508-00	CERAMIC	10PF	0.5PF	50V	
C150	1-102-508-00	CERAMIC	10PF	0.5PF	50V	
C151	1-161-055-00	CERAMIC	0.022MF	20%	25V	
C153	1-161-047-00	CERAMIC	0.0047MF	20%	25V	
C154	1-123-356-00	ELECT	10MF	20%	16V	
C155	1-161-055-00	CERAMIC	0.022MF	20%	25V	
C156	1-102-962-00	CERAMIC	30PF	5%	50V	
C157	1-101-884-00	CERAMIC	56PF	5%	50V	
C158	1-102-962-00	CERAMIC	30PF	5%	50V	
C159	1-102-958-00	CERAMIC	20PF	5%	50V	
C160	1-102-601-00	CERAMIC	24PF	5%	50V	
C161	1-101-998-00	CERAMIC	6PF	0.5PF	50V	
C162	1-102-934-00	CERAMIC	1PF	0.25PF	50V	
C164	1-101-004-00	CERAMIC	0.01MF	Z	50V	
C165	1-123-330-00	ELECT	22MF	20%	16V	
C166	1-102-106-00	CERAMIC	100PF	10%	50V	
C167	1-161-055-00	CERAMIC	0.022MF	20%	25V	
C168	1-123-356-00	ELECT	10MF	20%	16V	
C169	1-123-369-00	ELECT	4.7MF	20%	25V	
C170	1-123-356-00	ELECT	10MF	20%	16V	
C171	1-161-058-00	CERAMIC	0.039MF	10%	25V	
C172	1-123-379-00	ELECT	0.47MF	20%	50V	
C173	1-101-001-00	CERAMIC	0.001MF	Z	50V	
C174	1-123-379-00	ELECT	0.47MF	20%	50V	
C175	1-123-308-00	ELECT	220MF	20%	6.3V	
C176	1-123-379-00	ELECT	0.47MF	20%	50V	
C178	1-123-307-00	ELECT	100MF	20%	6.3V	
C179	1-161-059-00	CERAMIC	0.047MF	20%	25V	
C180	1-123-308-00	ELECT	220MF	20%	6.3V	
C181	1-161-061-00	CERAMIC	0.068MF	20%	25V	
C182	1-102-106-00	CERAMIC	100PF	10%	50V	
C183	1-123-308-00	ELECT	220MF	20%	6.3V	
C184	1-123-379-00	ELECT	0.47MF	20%	50V	
C201	1-101-001-00	CERAMIC	0.001MF	Z	50V	
C202	1-102-106-00	CERAMIC	100PF	10%	50V	
C203	1-102-106-00	CERAMIC	100PF	10%	50V	
C204	1-102-106-00	CERAMIC	100PF	10%	50V	
C205	1-102-106-00	CERAMIC	100PF	10%	50V	
C401	1-161-012-00	CERAMIC	0.0082MF	10%	25V	
C402	1-101-004-00	CERAMIC	0.01MF	Z	50V	
C403	1-101-004-00	CERAMIC	0.01MF	Z	50V	
C501	1-161-013-00	CAP, CERAMIC	0.01MF	20%	25V	

ELECTRICAL PARTS

Ref.No.	Part No.	Description
CF101	1-567-538-71	FILTER, CERAMIC
CF102	1-567-097-61	FILTER, CERAMIC
CFZ101	1-567-552-11	FILTER, AM CERAMIC
CNJ401*	1-558-739-11	LEAD (WITH CONNECTOR)
CNP101*	1-562-555-11	SOCKET, CONNECTOR 2P
CV101	1-151-539-11	CAP, VAR, POLYETHYLENE
CV102	1-151-538-11	CAP, VAR, POLYETHYLENE
D101	8-719-815-55	DIODE 1S1555
D102	8-719-815-55	DIODE 1S1555
D103	8-719-815-55	DIODE 1S1555
D104	8-719-815-55	DIODE 1S1555
D105	8-719-815-55	DIODE 1S1555
D401	1-806-860-11	DIODE PR2222S (LED)
D402	1-806-860-11	DIODE PR2222S (LED)
D403	1-806-860-11	DIODE PR2222S (LED)
D404	1-806-860-11	DIODE PR2222S (LED)
IC101	1-807-018-11	IC UPC1303G
IC401	8-759-204-41	IC TC9160P
L101	*1-409-293-00	COIL, AIR CORE
L102	*1-422-283-11	COIL, AIR-CORE
L103	*1-422-283-11	COIL, AIR-CORE
L104	*1-422-284-11	COIL, AIR-CORE
L105	*1-422-284-11	COIL, AIR-CORE
L106	*1-422-285-11	COIL, AIR-CORE
L107	*1-422-285-11	COIL, AIR-CORE
L108	*1-409-293-00	COIL, AIR CORE
L109	*1-422-286-11	COIL, AIR-CORE
L110	*1-422-286-11	COIL, AIR-CORE
L111	*1-422-287-11	COIL, AIR-CORE
L112	*1-422-288-11	COIL, AIR-CORE
L113	*1-422-289-11	COIL, AIR-CORE
L114	*1-409-293-00	COIL, AIR CORE
L115	*1-422-290-11	COIL, AIR-CORE
L116	*1-422-290-11	COIL, AIR-CORE
L117	*1-409-293-00	COIL, AIR CORE
L118	1-410-308-11	MICRO INDUCTOR 33MMH
L119	1-406-212-11	COIL, OSC (TV 2ND)
L120	*1-401-228-00	ANTENNA COIL
L121	1-402-232-11	ANTENNA, FERRITE-ROD (AM)
L122	*1-422-291-11	COIL, AIR-CORE
L123	*1-422-291-11	COIL, AIR-CORE
L124	*1-422-292-11	COIL, AIR-CORE
L125	1-406-087-11	COIL, OSC (AM)

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
Q101	8-729-194-57	TRANSISTOR 2SC945-P				
Q102	8-729-194-57	TRANSISTOR 2SC945-P				
Q103	8-729-194-57	TRANSISTOR 2SC945-P				
Q104	8-729-194-57	TRANSISTOR 2SC945-P				
Q105	8-729-194-57	TRANSISTOR 2SC945-P				
Q106	8-729-194-57	TRANSISTOR 2SC945-P				
Q107	8-729-194-57	TRANSISTOR 2SC945-P				
Q108	8-729-194-57	TRANSISTOR 2SC945-P				
Q109	8-729-194-57	TRANSISTOR 2SC945-P				
Q110	8-729-194-57	TRANSISTOR 2SC945-P				
Q401	8-729-195-23	TRANSISTOR 2SA952				
Q402	8-729-195-23	TRANSISTOR 2SA952				
Q403	8-729-195-23	TRANSISTOR 2SA952				
Q404	8-729-195-23	TRANSISTOR 2SA952				
Q405	8-729-195-23	TRANSISTOR 2SA952				
R101	1-249-417-11	CARBON	1K	5%		1/6W
R102	1-247-897-00	CARBON	560K	5%		1/6W
R103	1-249-405-11	CARBON	100	5%		1/6W
R104	1-247-887-00	CARBON	220K	5%		1/6W
R105	1-249-417-11	CARBON	1K	5%		1/6W
R106	1-247-817-00	CARBON	270	5%		1/6W
R107	1-249-417-11	CARBON	1K	5%		1/6W
R108	1-249-405-11	CARBON	100	5%		1/6W
R109	1-247-895-00	CARBON	470K	5%		1/6W
R110	1-247-887-00	CARBON	220K	5%		1/6W
R111	1-249-417-11	CARBON	1K	5%		1/6W
R112	1-249-417-11	CARBON	1K	5%		1/6W
R113	1-247-897-00	CARBON	560K	5%		1/6W
R114	1-249-405-11	CARBON	100	5%		1/6W
R115	1-247-887-00	CARBON	220K	5%		1/6W
R116	1-249-417-11	CARBON	1K	5%		1/6W
R117	1-247-817-00	CARBON	270	5%		1/6W
R118	1-249-417-11	CARBON	1K	5%		1/6W
R119	1-249-405-11	CARBON	100	5%		1/6W
R120	1-247-895-00	CARBON	470K	5%		1/6W
R121	1-247-887-00	CARBON	220K	5%		1/6W
R122	1-249-419-11	CARBON	1.5K	5%		1/6W
R123	1-247-891-00	CARBON	330K	5%		1/6W
R124	1-249-417-11	CARBON	1K	5%		1/6W
R125	1-247-819-00	CARBON	330	5%		1/6W
R126	1-247-887-00	CARBON	220K	5%		1/6W
R127	1-249-417-11	CARBON	1K	5%		1/6W
R128	1-247-819-00	CARBON	330	5%		1/6W
R129	1-249-417-11	CARBON	1K	5%		1/6W
R130	1-249-405-11	CARBON	100	5%		1/6W
R131	1-247-891-00	CARBON	330K	5%		1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R132	1-247-887-00	CARBON	220K	5%	1/6W
R134	1-247-839-00	CARBON	2.2K	5%	1/6W
R135	1-247-801-00	CARBON	56	5%	1/6W
R136	1-249-441-11	CARBON	100K	5%	1/6W
R137	1-247-819-00	CARBON	330	5%	1/6W
R138	1-247-839-00	CARBON	2.2K	5%	1/6W
R139	1-247-815-00	CARBON	220	5%	1/6W
R140	1-247-794-00	CARBON	30	5%	1/6W
R141	1-247-849-00	CARBON	5.6K	5%	1/6W
R142	1-247-850-00	CARBON	6.2K	5%	1/6W
R143	1-247-859-00	CARBON	15K	5%	1/6W
R144	1-249-441-11	CARBON	100K	5%	1/6W
R145	1-249-417-11	CARBON	1K	5%	1/6W
R146	1-247-839-00	CARBON	2.2K	5%	1/6W
R147	1-249-419-11	CARBON	1.5K	5%	1/6W
R148	1-247-794-00	CARBON	30	5%	1/6W
R401	1-247-874-00	CARBON	100K	5%	1/6W
R402	1-247-903-00	CARBON	1M	5%	1/6W
R403	1-247-888-00	CARBON	240K	5%	1/6W
R404	1-249-433-11	CARBON	22K	5%	1/6W
R405	1-249-417-11	CARBON	1K	5%	1/6W
R406	1-249-441-11	CARBON	100K	5%	1/6W
R407	1-247-874-00	CARBON	100K	5%	1/6W
R408	1-247-874-00	CARBON	100K	5%	1/6W
R409	1-247-874-00	CARBON	100K	5%	1/6W
R410	1-247-872-00	CARBON	51K	5%	1/6W
R411	1-247-849-00	CARBON	5.6K	5%	1/6W
RV201	1-237-343-11	RES, VAR	50K-C		
S201	1-570-745-11	SWITCH, ROTARY SLIDE (BAND)			
S401	1-554-371-00	SWITCH, TACT (POWER ON)			
S402	1-554-371-00	SWITCH, TACT (OFF)			
SP101	1-503-681-11	SPEAKER	8		
T101	1-404-699-11	IFT (A) (TV 41MHz)			
T102	1-404-699-11	IFT (A) (TV 41MHz)			
T103	1-404-700-11	IFT (B) (TV 41MHz)			

ACCESSORY & PACKING MATERIAL

Part No.	Description
1-501-358-11	ANTENNA, FM LEAD
2-366-919-00	BAG, PROTECTION
3-701-623-00	BAG, POLYETHYLENE
3-897-433-01	CUSHION (RIGHT)
3-897-435-01	CUSHION (LEFT)
3-897-454-01	INDIVIDUAL CARTON
*4-605-572-01	BAG, POLYETHYLENE, CURL CORD
X-3897-401-1	STRAP ASSY
X-3897-402-1	HOLDER ASSY
	MANUAL, INSTRUCTION

9-952-360-11
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