

ICF-5800L

AEP Model
Canada Model



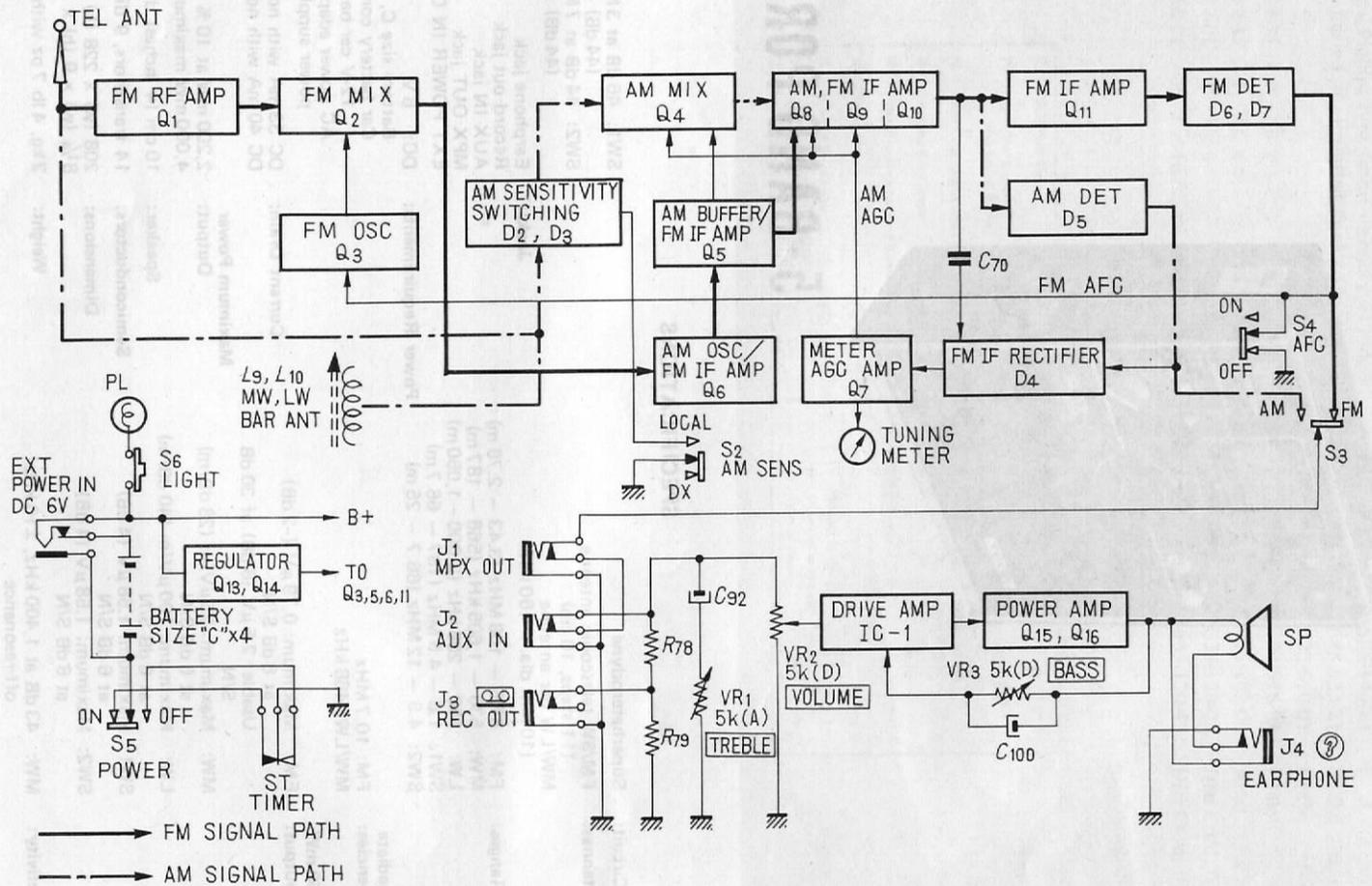
5-BAND PORTABLE RADIO

SPECIFICATIONS

Circuit:	Superheterodyne	
Antennas:	FM/SW telescopic antenna (11 steps, 10 cm) MW/LW bar antenna (10 mm dia. x 160 mm)	SW1: 46 dB at 3 MHz, with 160 μ V (44 dB) input SW2: 44 dB at 7 MHz, with 160 μ V (44 dB) input
Frequency Ranges:	FM: 87.5 - 108 MHz (3.43 - 2.78 m) MW: 530 - 1,605 kHz (566 - 187 m) LW: 150 - 285 kHz (2,000 - 1,050 m) SW1: 1.6 - 4.5 MHz (187 - 66.7 m) SW2: 4.5 - 12 MHz (66.7 - 25 m)	Jacks: Earphone jack Record out jack AUX IN jack MPX OUT jack EXT POWER IN DC 6V
Intermediate Frequencies:	FM: 10.7 MHz MW/LW: 468 kHz	Power Requirements: DC: 6V Battery size C, 4 pcs Car battery cord DCC-127 for 12-V car battery AC power adaptor AC-456 for AC power supply
Sensitivity at 50 mW output:	FM: Maximum: 0.79 μ V (-2 dB) at 6 dB S/N Usable: 2.5 μ V (8 dB) at 30 dB S/N MW: Maximum: 25 μ V/m (28 dB/m) at 6 dB S/N LW: Maximum: 100 μ V/m (40 dB/m) at 6 dB S/N SW1: Maximum: 1.58 μ V (4 dB) at 6 dB S/N SW2: Maximum: 1.58 μ V (4 dB) at 6 dB S/N	Current Drain: DC 33 mA with no signal input at AM DC 40 mA with no signal input at FM
Selectivity:	MW: 43 dB at 1,400 kHz, \pm 10 kHz off-resonance	Maximum Power Output: 2,200 mW at 10% distortion 4,000 mW maximum
Signal-to-Noise Ratio:	FM: 60 dB at 98 MHz, with 560 μ V (55 dB) input MW: 38 dB at 1,000 kHz with 1 mV/m (60 dB/m) input LW: 31 dB at 220 kHz, with 1 mV/m (60 dB/m) input	Speaker: 10 cm (4 inches) dia, 8 Ω Semiconductors: 14 transistors, 9 diodes, 1 IC Dimensions: 208 (w) x 228 (h) x 84 (d) mm 8 $\frac{1}{4}$ (w) x 9 (h) x 3 $\frac{3}{8}$ (d) inches Weight: 2 kg, 4 lb 7 oz with batteries

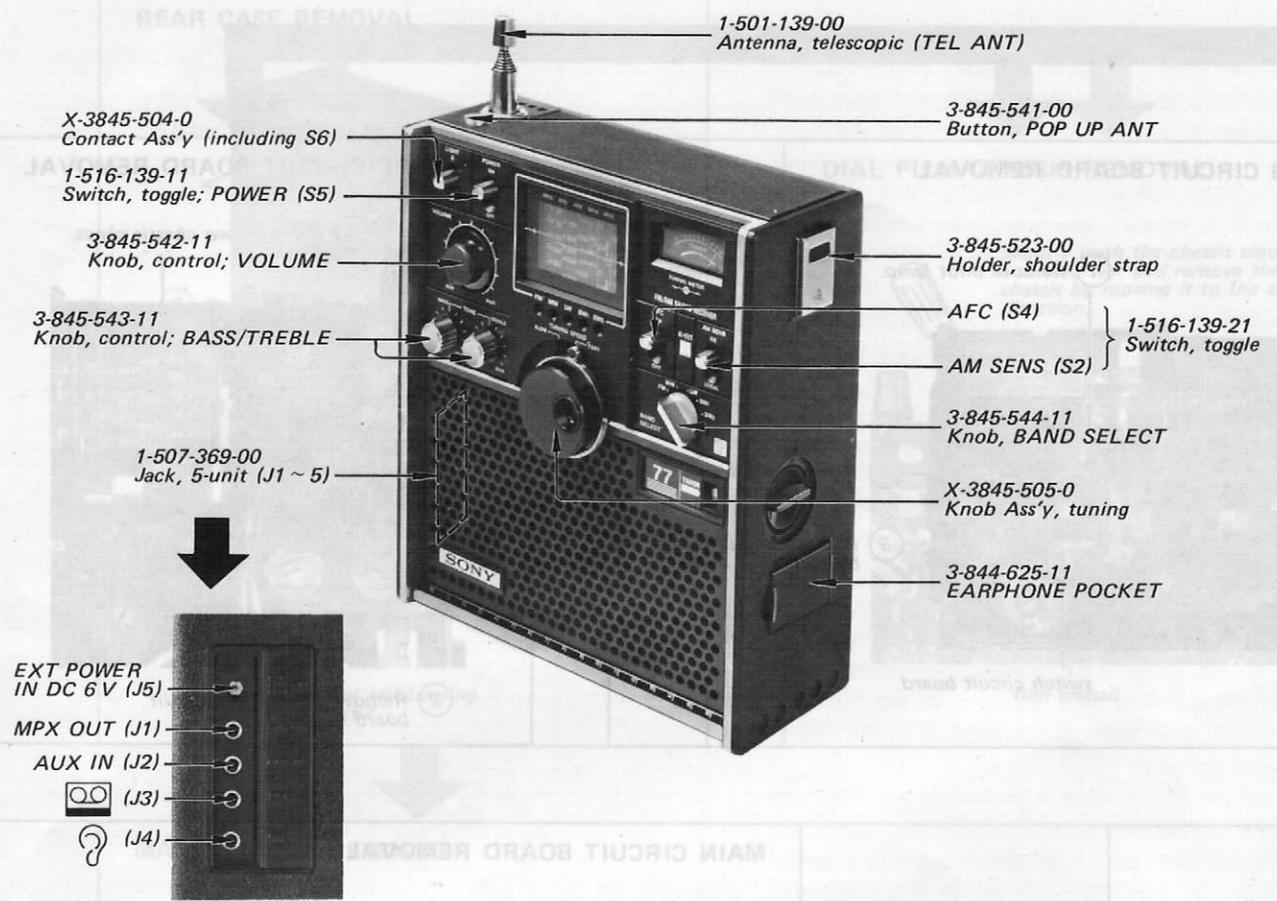
SONY[®]
SERVICE MANUAL

1-1. BLOCK DIAGRAM

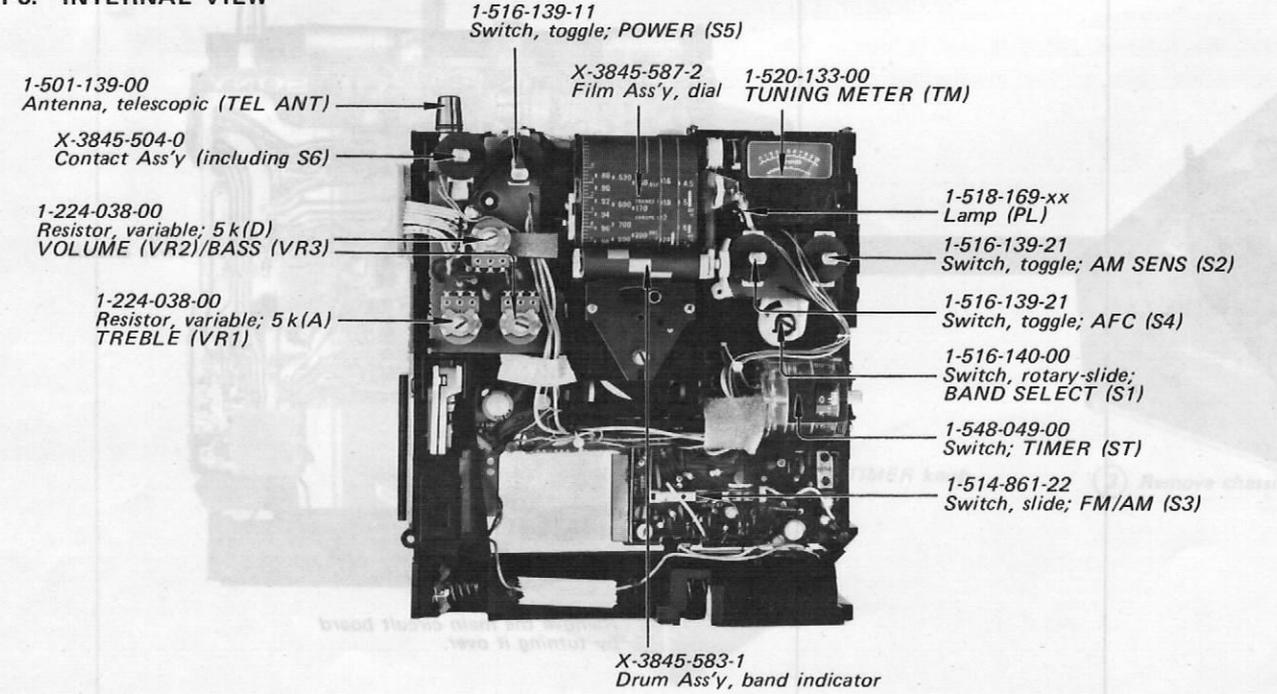


SECTION 2
DISASSEMBLY

1-2. EXTERNAL VIEW



1-3. INTERNAL VIEW



SECTION 3
DISASSEMBLY

1-4. TUNING DIAL MECHANISM

The ICF-5800L uses a two-speed tuning mechanism. The tuning mechanism uses a combination planetary-drive reduction mechanism with steel balls and clutches. It makes the short-wave reception easy.

Fig. 1 shows the fundamental speed-reduction system. When the follower wheel is fixed and the drive shaft is rotated, the steel balls (three) rotate around the drive shaft as shown by the arrows → and revolves around the follower wheel as shown by the arrow ↻ simultaneously. Rotation with reduced speed is obtained coaxially with the drive shaft by utilizing the revolution. When the follower wheel is not fixed and the drive shaft is rotated, the steel balls do not rotate themselves but revolve together with the drive shaft and the follower wheel around the drive shaft, and no speed reduction is obtained.

Fig. 2 shows the tuning mechanism of the ICF-5800L. This figure shows that the clutch A is separated from clutch B by the clutch lever and is pressed against the rubber brake. In this condition, the clutch A does not rotate. Accordingly the follower wheel does not rotate and the rotation force of the drive shaft is transmitted to the pulley with speed reduced.

When the clutch lever is pressed in the direction shown by the arrow, clutch A separates from the rubber brake with the aid of the clutch return spring and the clutch A gangs clutch B. In this condition, the mechanism is so designed that the clutch B rotates together with the tuning shaft. So the clutch B, clutch A ganged to clutch B and the follower wheel rotate following the rotation of the tuning shaft and the rotation speed is not reduced. The speed reduction ratio of the mechanism is 5 to 1.

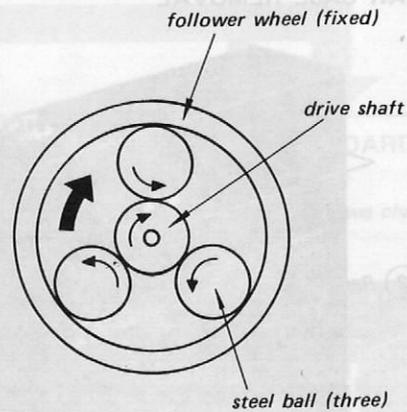


Fig. 1

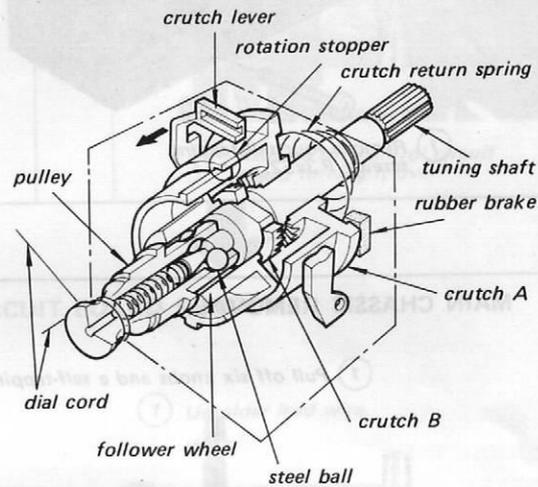
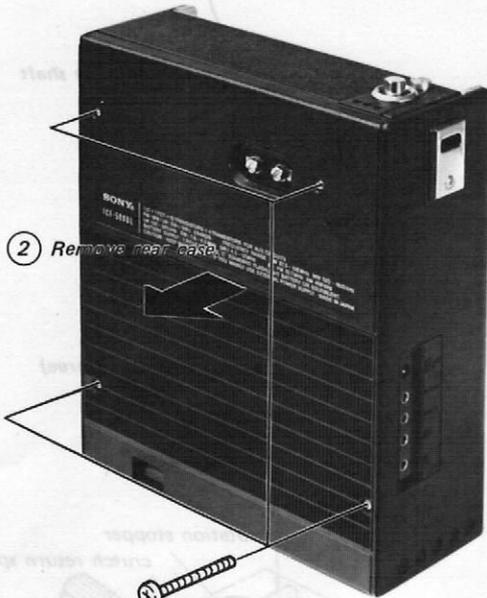


Fig. 2

SECTION 2 DISASSEMBLY

1-1 TUNING DIAL MECHANISM

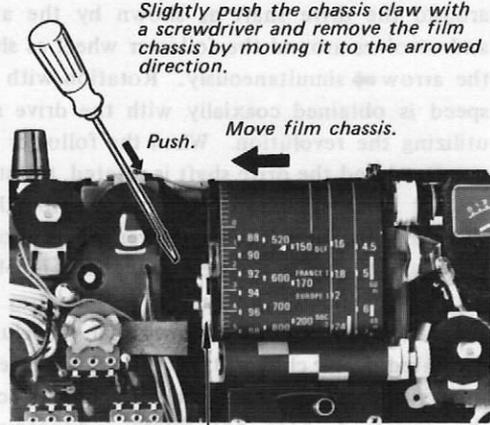
REAR CASE REMOVAL



② Remove rear case.

① Remove four self-tapping screws, P 3x52.

DIAL FILM CHASSIS REMOVAL

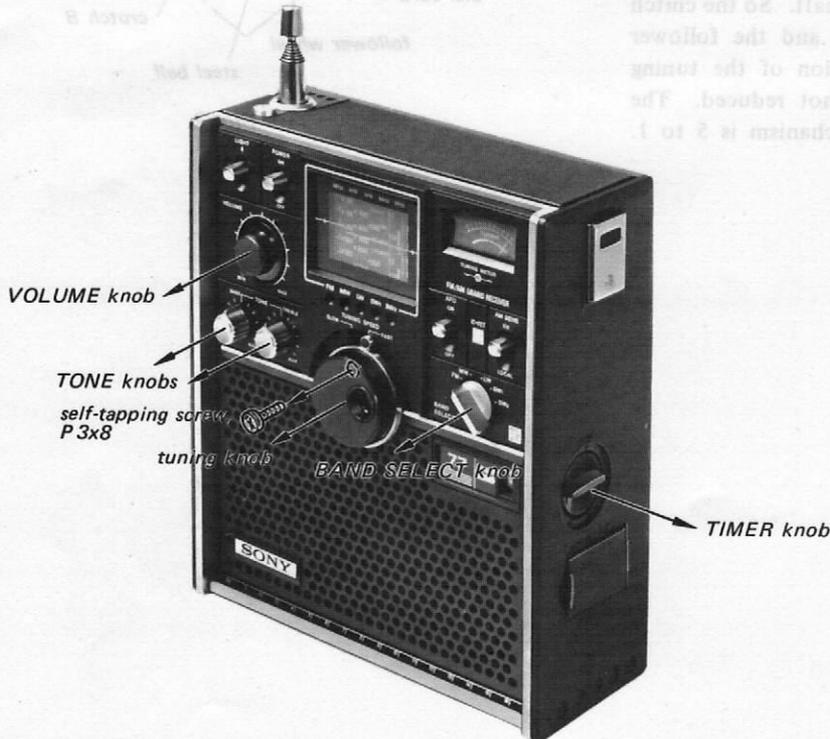


Slightly push the chassis claw with a screwdriver and remove the film chassis by moving it to the arrowed direction.

film chassis

MAIN CHASSIS REMOVAL

① Pull off six knobs and a self-tapping screw, P 3x8.



VOLUME knob

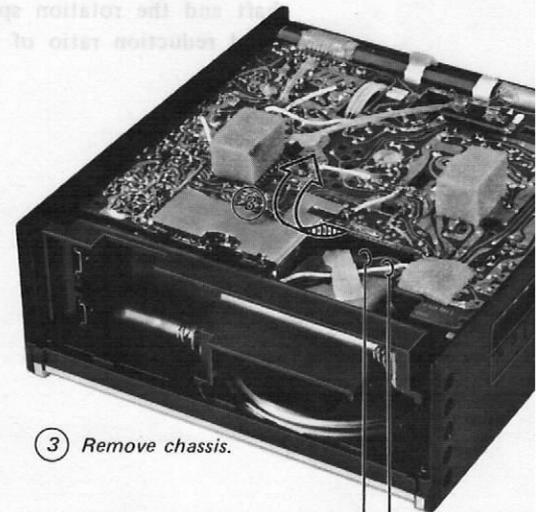
TONE knobs

self-tapping screw
P 3x8

tuning knob

BAND SELECT knob

TIMER knob



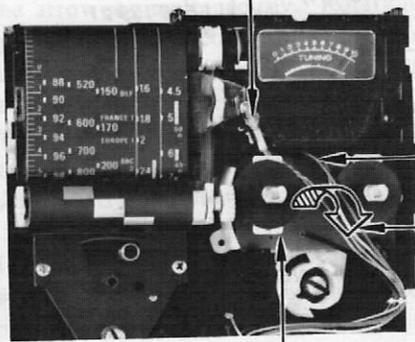
③ Remove chassis.

WHT WHT

② Unsolder two speaker leads at circuit board.

SWITCH CIRCUIT BOARD REMOVAL

① Remove pilot lamp.



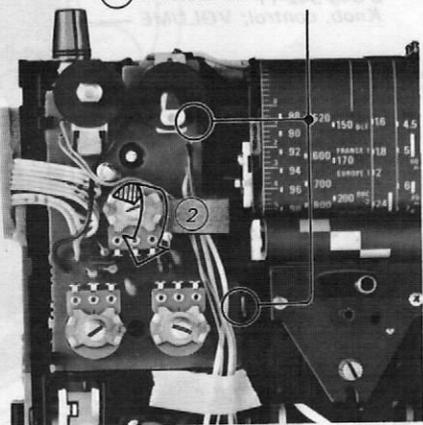
② Remove chassis claw.

③ Remove circuit board by turning it over.

switch circuit board

CONTROL CIRCUIT BOARD REMOVAL

① Remove two chassis claws.

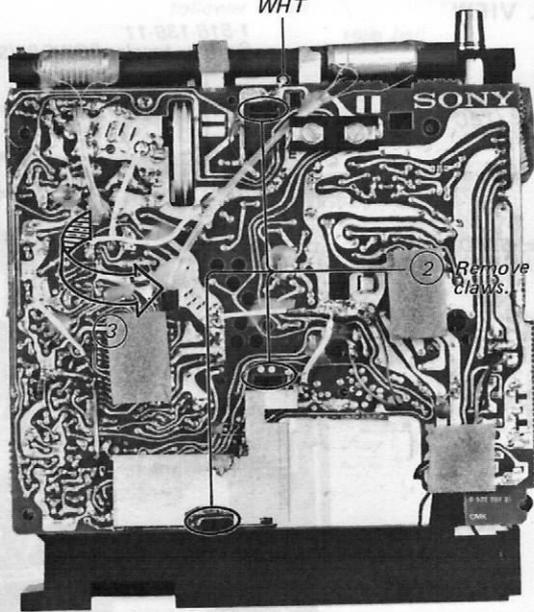


② Remove the control circuit board turning it over.

MAIN CIRCUIT BOARD REMOVAL

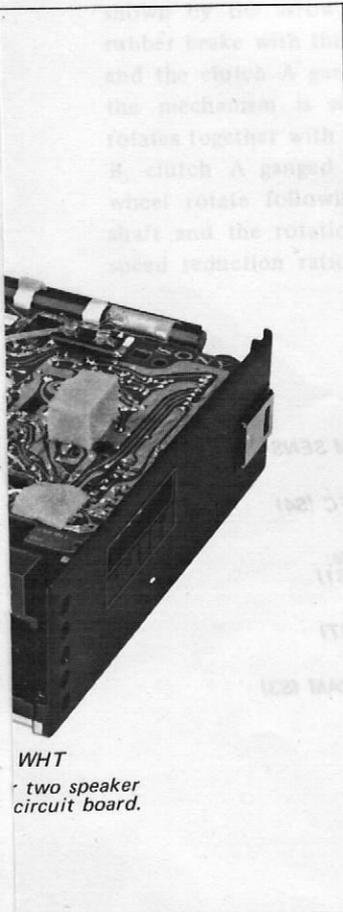
① Unsolder lead wire.

WHT



② Remove three chassis claws.

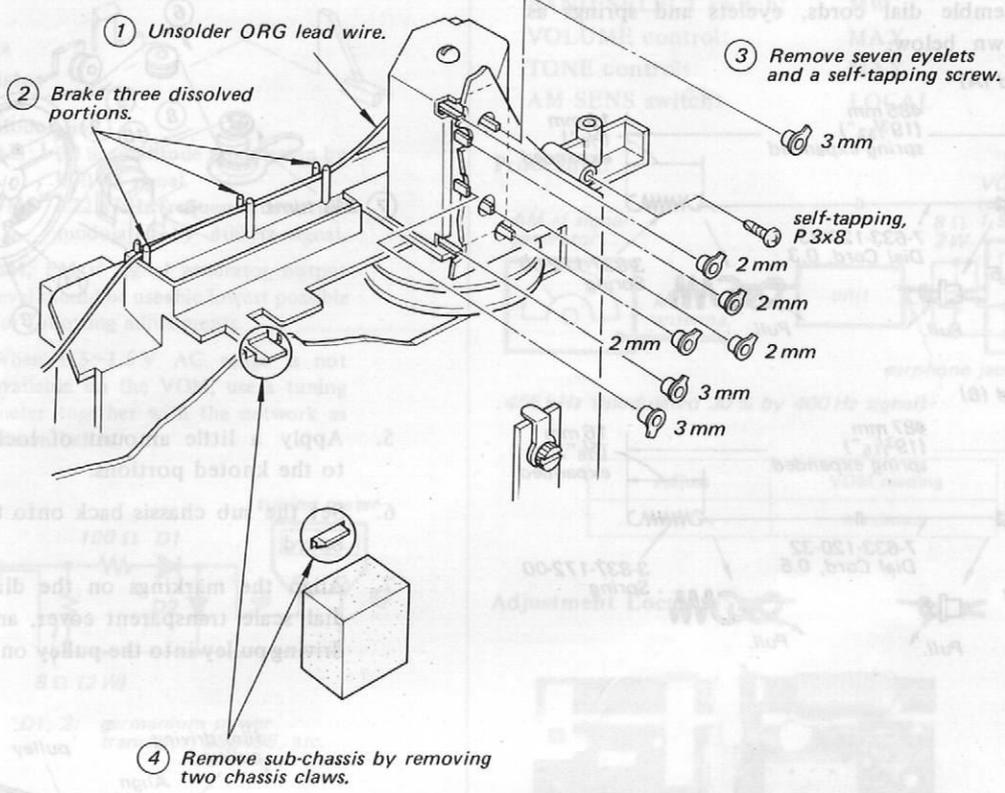
③ Remove the main circuit board by turning it over.



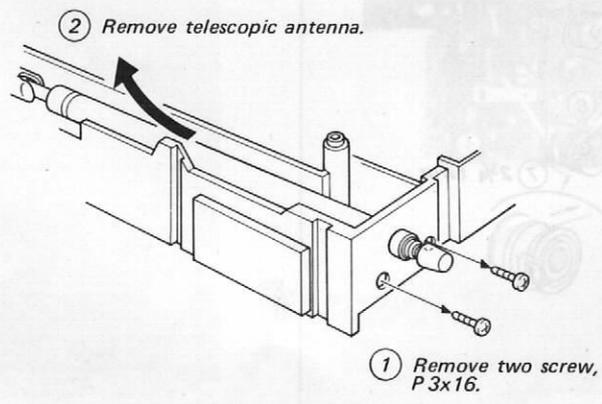
WHT
two speaker circuit board.

SECTION 3
ADJUSTMENTS

SUB CHASSIS REMOVAL



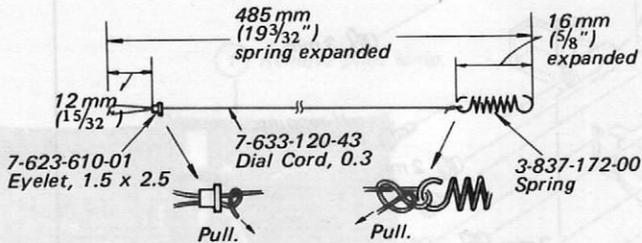
TELESCOPIC ANTENNA REMOVAL



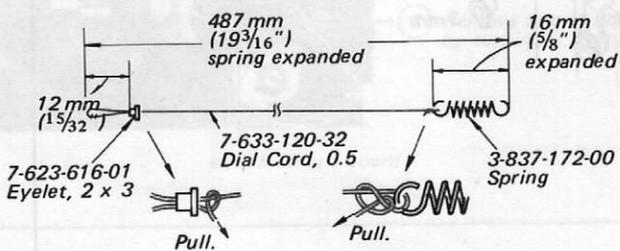
DIAL CORD STRINGING

1. Remove the main circuit board, dial film chassis and the sub chassis.
2. Assemble dial cords, eyelets and springs as shown below.

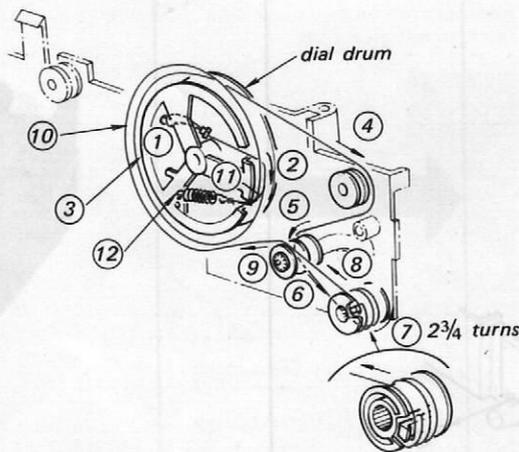
Dial Cord (A)



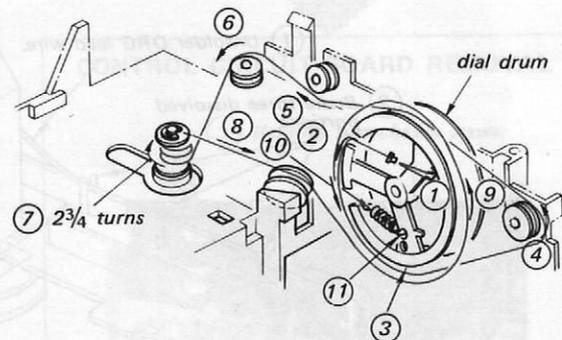
Dial Cord (B)



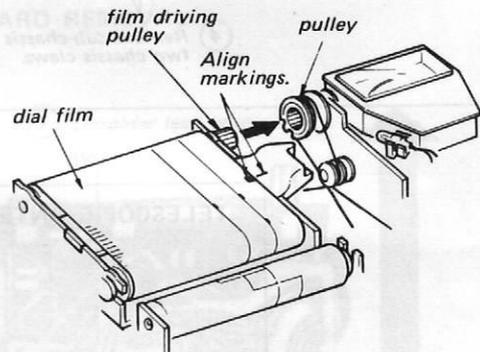
3. Set the dial drum to the full clockwise position, and string the dial cord (A) in the numerical order



4. Set the dial drum to the full counterclockwise position and string the dial cord (B) in the numerical order.



5. Apply a little amount of locking compound to the knotted portions.
6. Set the sub chassis back onto the main circuit board.
7. Align the markings on the dial film and the dial scale transparent cover, and put the film driving pulley into the pulley on the sub chassis.



SECTION 3 ADJUSTMENTS

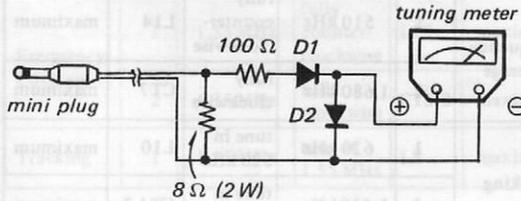
Test Equipment/Tools Required:

- AM rf signal generator
- FM rf signal generator
- VOM
- Lead antenna
- 8 Ω, 2 W resistor

Note: 1. Modulation

- AM: 30% amplitude modulation by 400 Hz signal.
- FM: ±22.5 kHz frequency deviation modulated by 400 Hz signal.

2. AM, FM rf signal generator output level should be useable lowest possible for following adjustments.
3. When 0.5~1.5 V AC range is not available on the VOM, use a tuning meter together with the network as shown below.



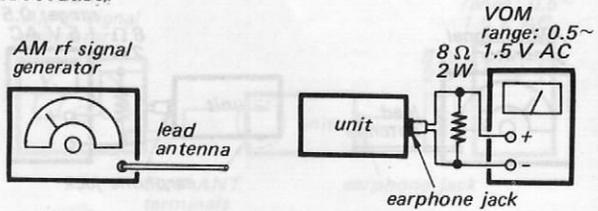
D1, 2: germanium power transistor, 2SB495, etc.

1. AM I-f Alignment

Settings:

- BAND SELECT switch: MW
- VOLUME control: MAX
- TONE controls: MAX
- AM SENS switch: LOCAL

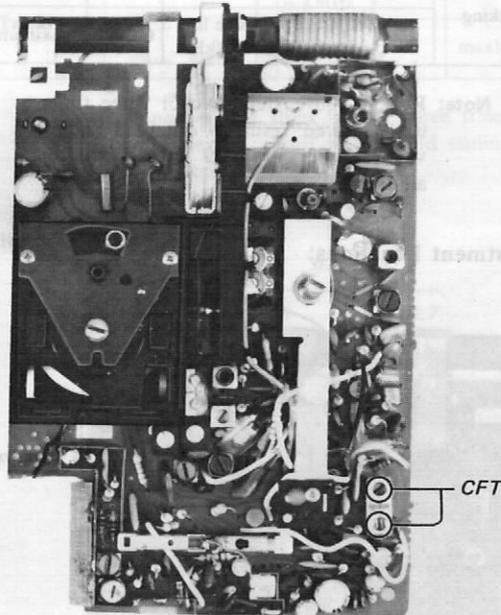
Procedure:



455 kHz (modulated 30% by 400 Hz signal)

Adjust	VOM reading
CFT	maximum

Adjustment Location:



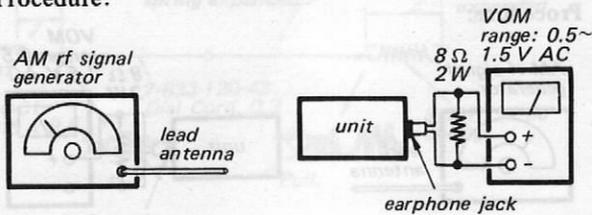
SECTION 3
ADJUSTMENTS

2. LW Frequency Coverage and Tracking Adjustments

Settings:

BAND SELECT switch: LW
 VOLUME control: MAX
 TONE controls: MAX
 AM SENS switch: LOCAL

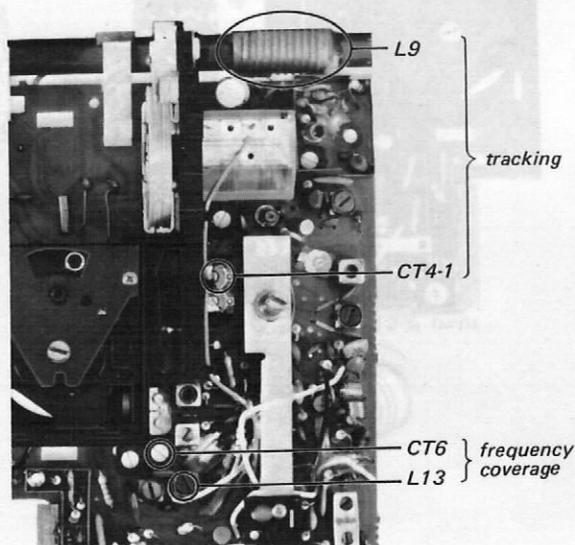
Procedure:



Adjustment	Step	AM rf signal generator frequency	Tuning knob	Adjust	VOM reading
Frequency Coverage	1	145 kHz	fully counter-clockwise	L13	maximum
	2	300 kHz	fully clockwise	CT6	maximum
Tracking	1	185 kHz	tune in 185 kHz	L9	maximum
	2	260 kHz	tune in 260 kHz	CT4-1	maximum

Note: Repeat above steps two or three times until desired result is obtained ending with step 2. Fix L9 with wax after adjustment.

Adjustment Locations:

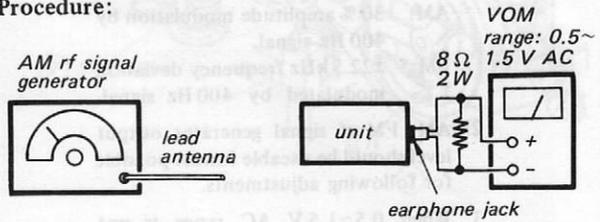


3. MW Frequency Coverage and Tracking Adjustments

Settings:

BAND SELECT switch: MW
 VOLUME control: MAX
 TONE controls: MAX
 AM SENS switch: LOCAL

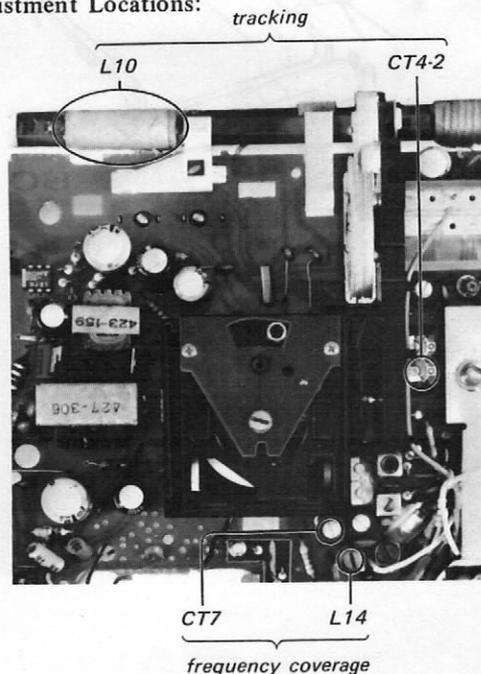
Procedure:



Adjustment	Step	AM rf signal generator frequency	Tuning knob	Adjust	VOM reading
Frequency Coverage	1	510 kHz	fully counter-clockwise	L14	maximum
	2	1,680 kHz	fully clockwise	CT7	maximum
Tracking	1	620 kHz	tune in 620 kHz	L10	maximum
	2	1,440 kHz	tune in 1,440 kHz	CT4-2	maximum

Note: Repeat above steps two or three times until desired result is obtained ending with step 2. Fix L10 with wax after adjustment.

Adjustment Locations:



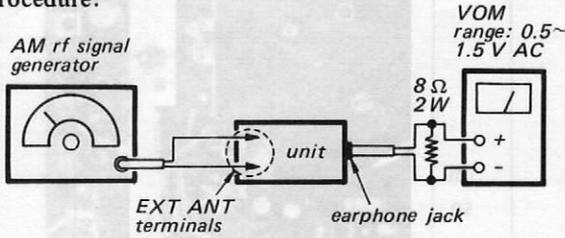
SECTION 4
DIAGRAMS

4. SW1 Frequency Coverage and Tracking Adjustments

Settings:

BAND SELECT switch: SW1
 VOLUME control: MAX
 TONE controls: MAX
 AM SENS switch: LOCAL

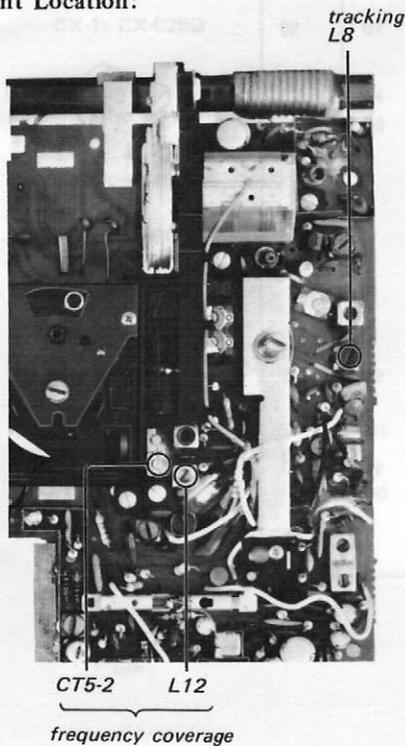
Procedure:



Adjustment	Step	AM rf signal generator frequency	Tuning knob	Adjust	VOM reading
Frequency Coverage	1	1.55 MHz	fully counter-clockwise	L12	maximum
	2	4.55 MHz	fully clockwise	CT5-2	maximum
Tracking	1	1.55 MHz	tune in 1.55 MHz	L8	maximum

Note: Repeat above steps two or three times until desired result is obtained ending with step 2 (frequency coverage).

Adjustment Location:

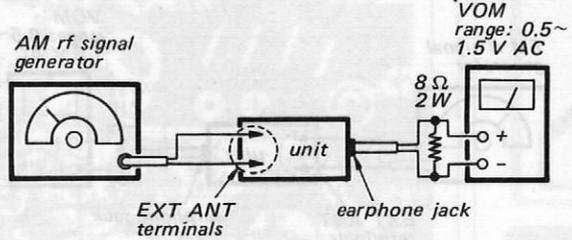


5. SW2 Frequency Coverage and Tracking Adjustments

Settings:

BAND SELECT switch: SW2
 VOLUME control: MAX
 TONE controls: MAX
 AM SENS switch: LOCAL

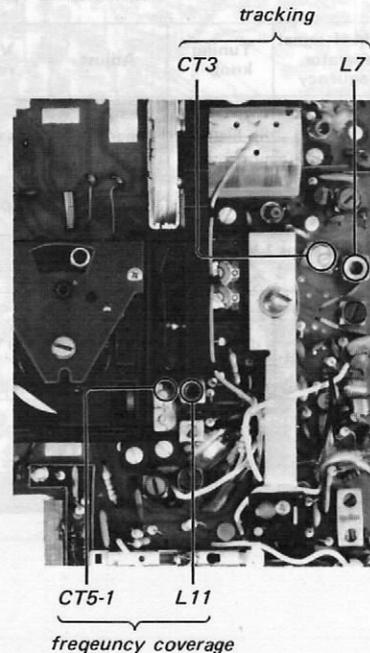
Procedure:



Adjustment	Step	AM rf signal generator frequency	Tuning knob	Adjust	VOM reading
Frequency Coverage	1	4.3 MHz	fully counter-clockwise	L11	maximum
	2	12.6 MHz	fully clockwise	CT5-1	maximum
Tracking	1	4.3 MHz	tune in 4.3 MHz	L7	maximum
	2	12.6 MHz	tune in 12.6 MHz	CT3	maximum

Note: Repeat above steps two or three times until desired result is obtained ending with steps 2.

Adjustment Locations:

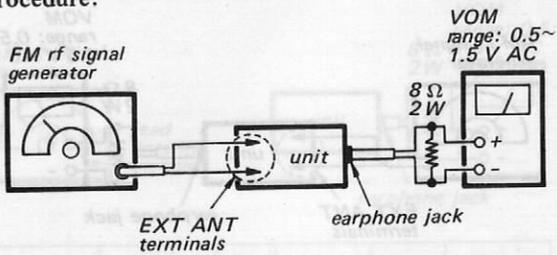


6. FM I-f Alignment and Discriminator Adjustment

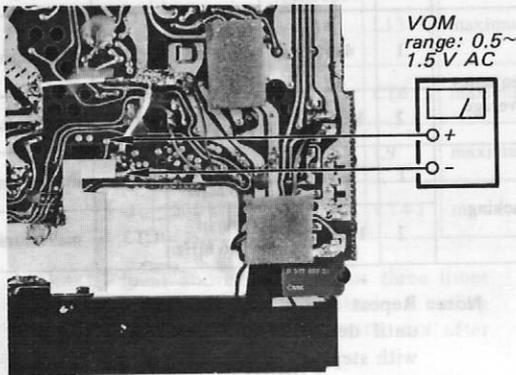
Settings:

BAND SELECT switch: FM
 VOLUME control: MAX
 TONE controls: MAX
 AFC switch: OFF

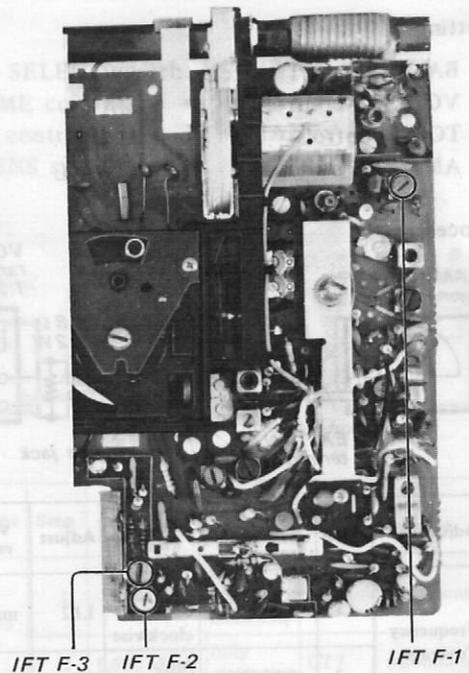
Procedure:



VOM connection for step 4.



Adjustment Locations:



Step	FM rf signal generator frequency	Tuning knob	Adjust	VOM reading
1	10.7 MHz with FM modulation	No station, no beating position	Rf signal generator frequency	maximum
2	- ditto -	- ditto -	IFT F-1~3	maximum
3	Repeat steps 1 and 2 two or three times.			
4	Turn modulation off. Increase output a little.	- ditto -	IFT F-3	"0 V DC"

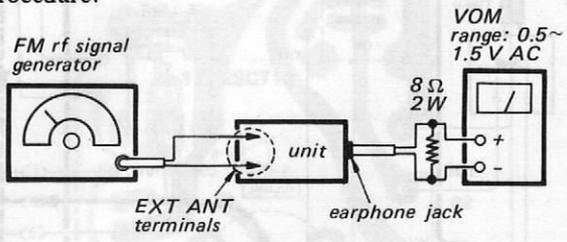
SECTION 4
DIAGRAMS

7. FM Frequency Coverage and Tracking Adjustments

Settings:

- BAND SELECT switch: FM
- VOLUME control: MAX
- TONE controls: MAX
- AFC switch: OFF

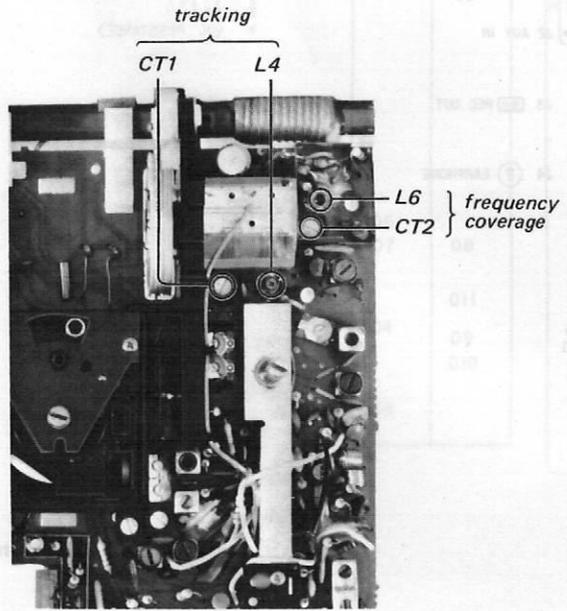
Procedure:



Adjustment	Step	AM rf signal generator frequency	Tuning knob	Adjust	VOM reading
Frequency Coverage	1	87.1 MHz	fully counter-clockwise	L6	maximum
	2	108.5 MHz	fully clockwise	CT2	maximum
Tracking	1	87.1 MHz	fully counter-clockwise	L4	maximum
	2	108.5 MHz	fully clockwise	CT1	maximum

Note: Repeat above steps two or three times until desired result is obtained ending with steps 2. Fix L4 with wax after adjustment.

Adjustment Locations:



SECTION 4
DIAGRAMS

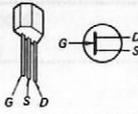
4-1. MOUNTING DIAGRAM

Settings:

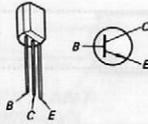
BAND SELECT SW
VOLUME CONTROL
TONE CONTROL
AFC SWITCH

Procedure:

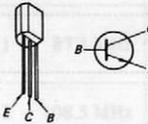
Q1: 2SK40



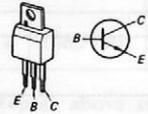
Q2~6,
8~11: 2SC710



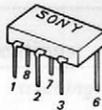
Q7,13,14: 2SC945



Q15,16: 2SC1429



CX-1: CX-025D



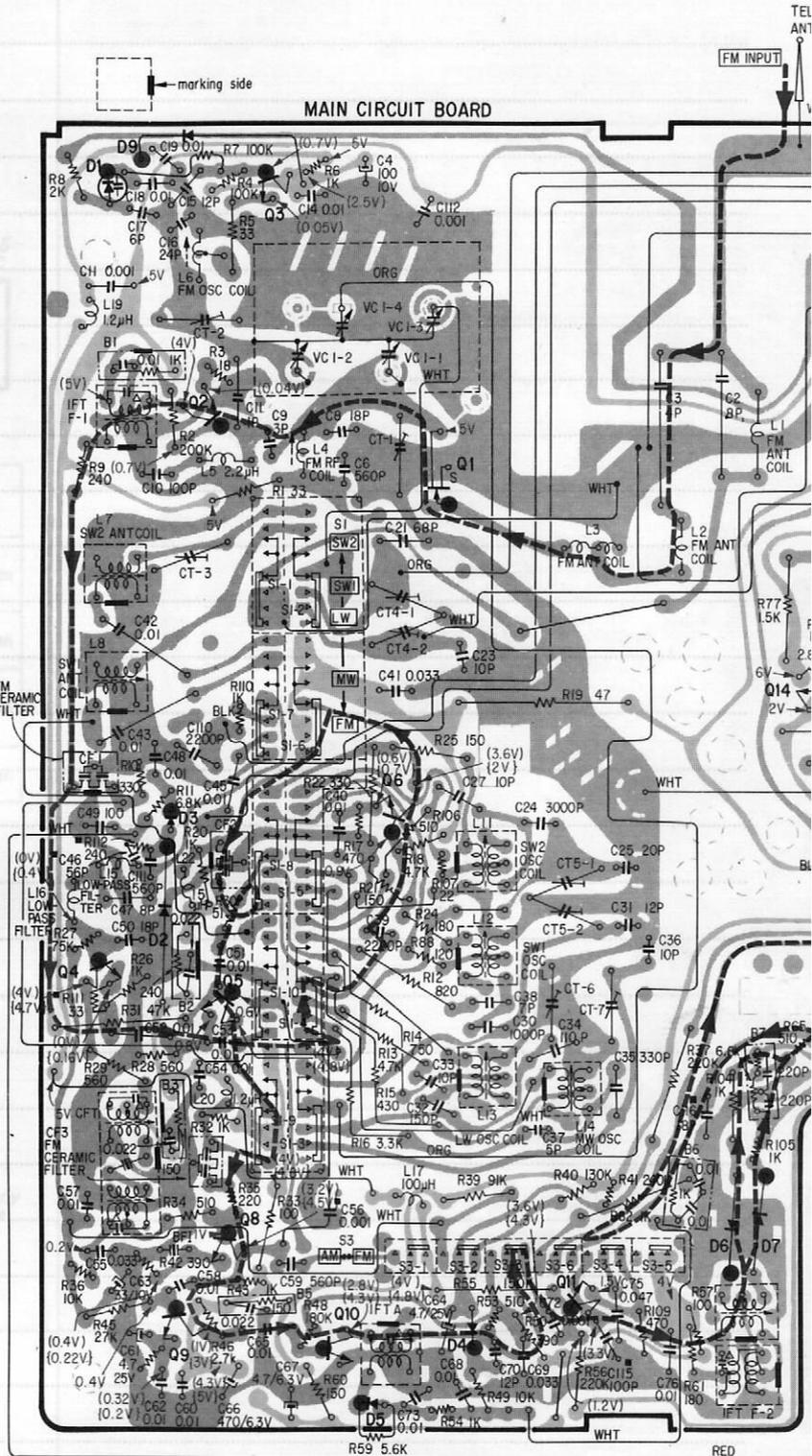
D1: 1S2139C
D2~4: 1S1555
D5,9: 1T23
D6,7: 1T26



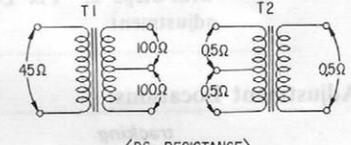
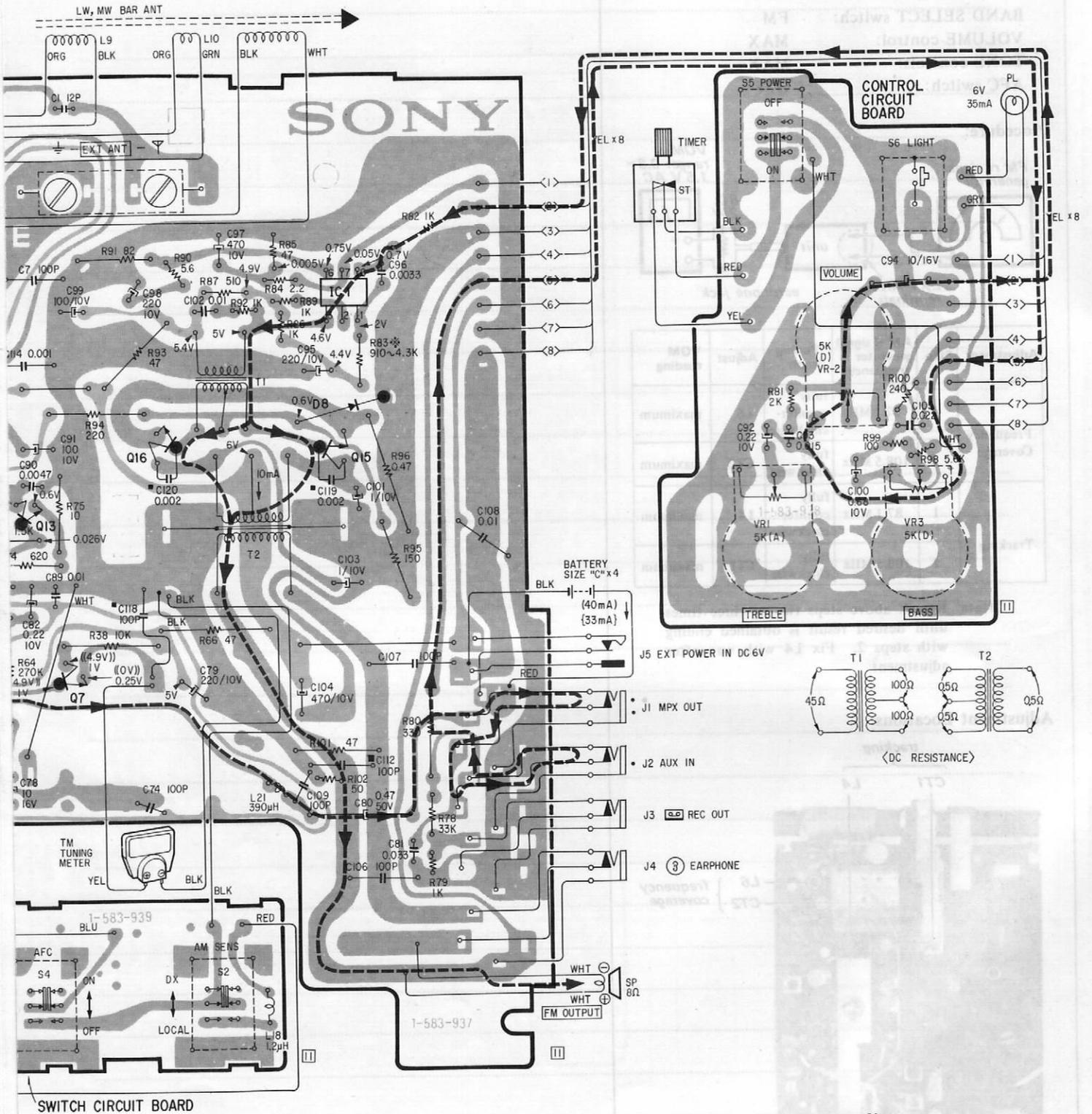
D8: 1S1209



D	IC, Q
D9	Q3
D1	
	IC1
	Q2
	Q1
D8	Q15
	Q16
	Q13
	Q14
D3	Q6
D2	Q7
	Q4
	Q5
D6	Q8
D7	
	Q11
D4	Q9
	Q10
D5	



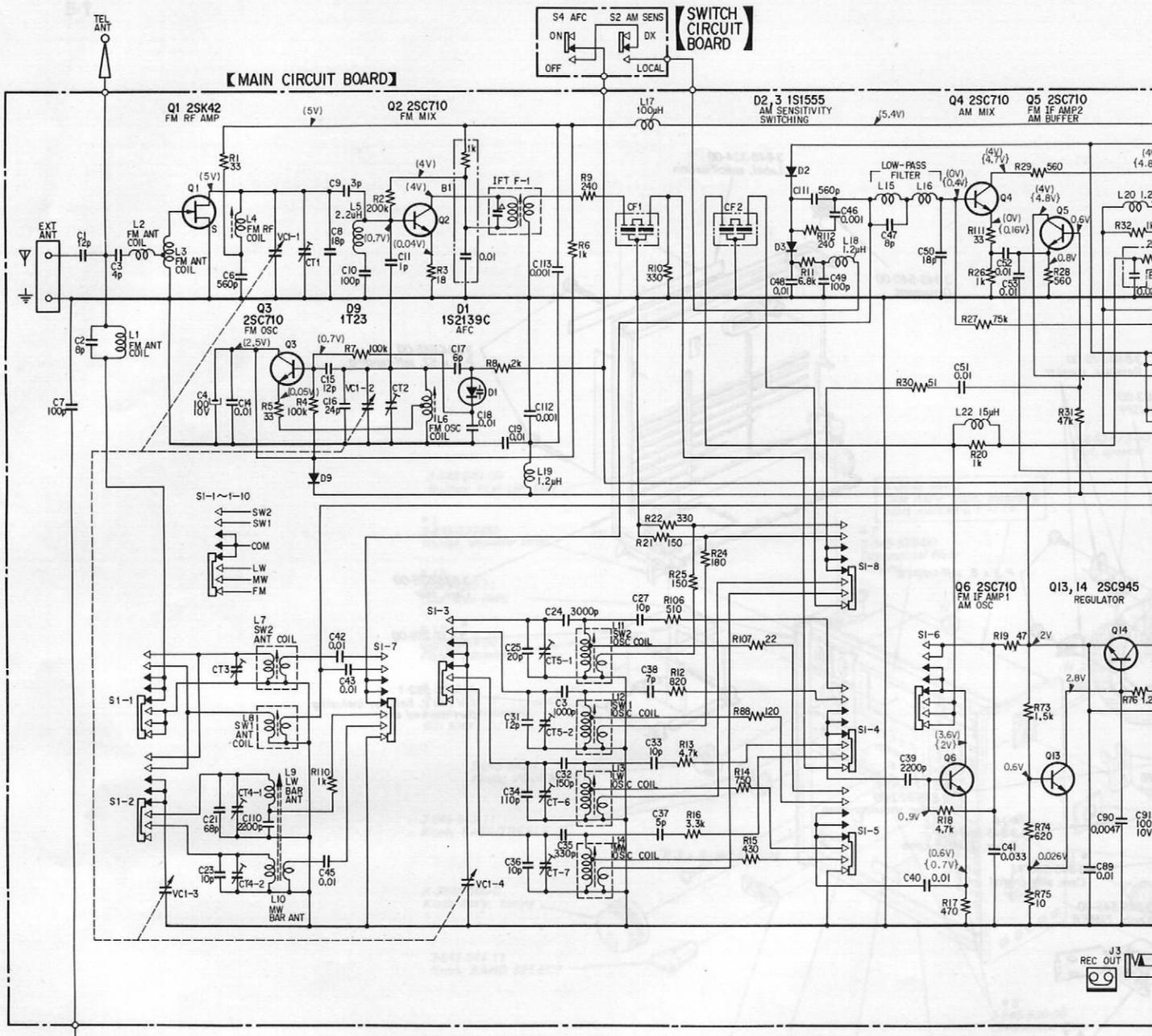
MEMO



Note:
 - - - - - : FM signal path
 - - - - - : B+ pattern

SECTION 5
EXPLODED VIEWS

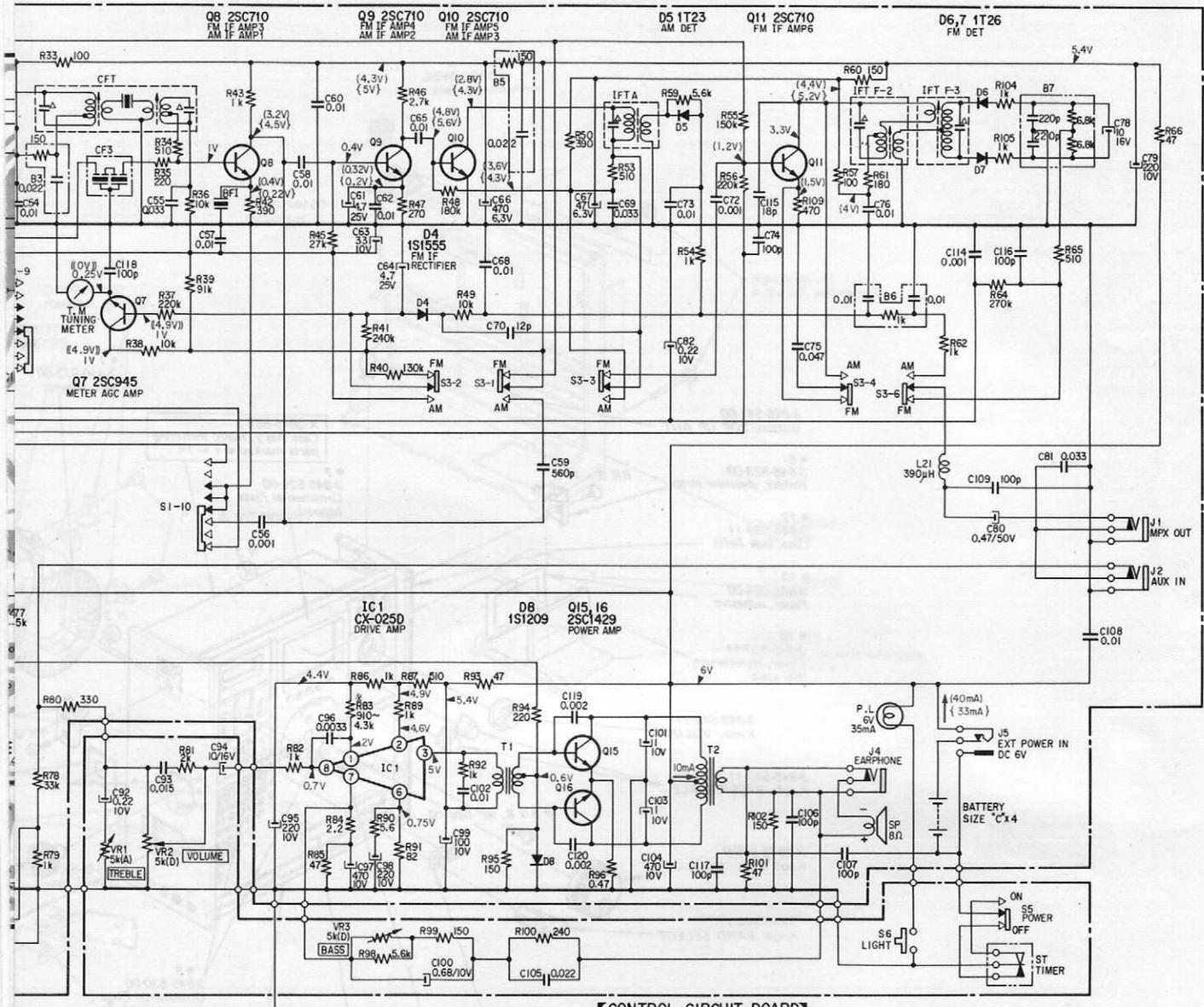
4-2. SCHEMATIC DIAGRAM



Note:

- All capacitors are in μF unless otherwise noted. $\rho = \mu\text{M}\text{F}$
- All resistors are in Ω , $\frac{1}{4}\text{W}$, unless otherwise noted. $\text{k} = 1,000$ $\text{M} = 1,000\text{k}$
- Coil resistances are out-of-circuit values.
- Δ indicates internal components.
- Voltages are DC with respect to ground unless otherwise noted. Readings taken under no-signal conditions with a VOM (20 $\text{k}\Omega/\text{V}$).
- (): FM
- { }: AM
- (()): at tuned-in condition
- no mark: common for FM and AM

Voltage variations may be noted due to normal production tolerances.



【CONTROL CIRCUIT BOARD】

○ Switch Mode:

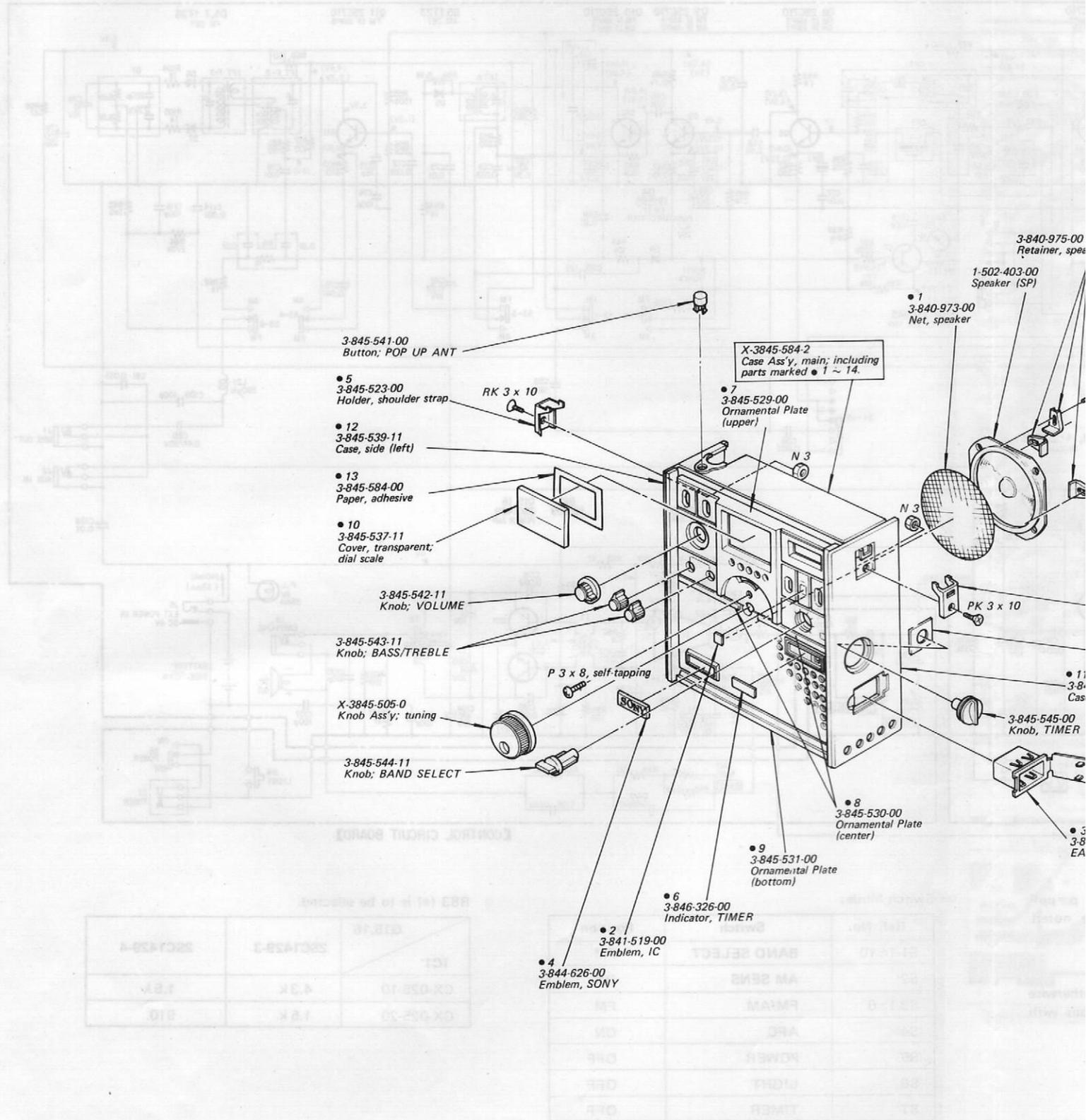
Ref. No.	Switch	Position
S1-1~10	BAND SELECT	FM
S2	AM SENS	DX
S3-1~6	FM/AM	FM
S4	AFC	ON
S5	POWER	OFF
S6	LIGHT	OFF
ST	TIMER	OFF

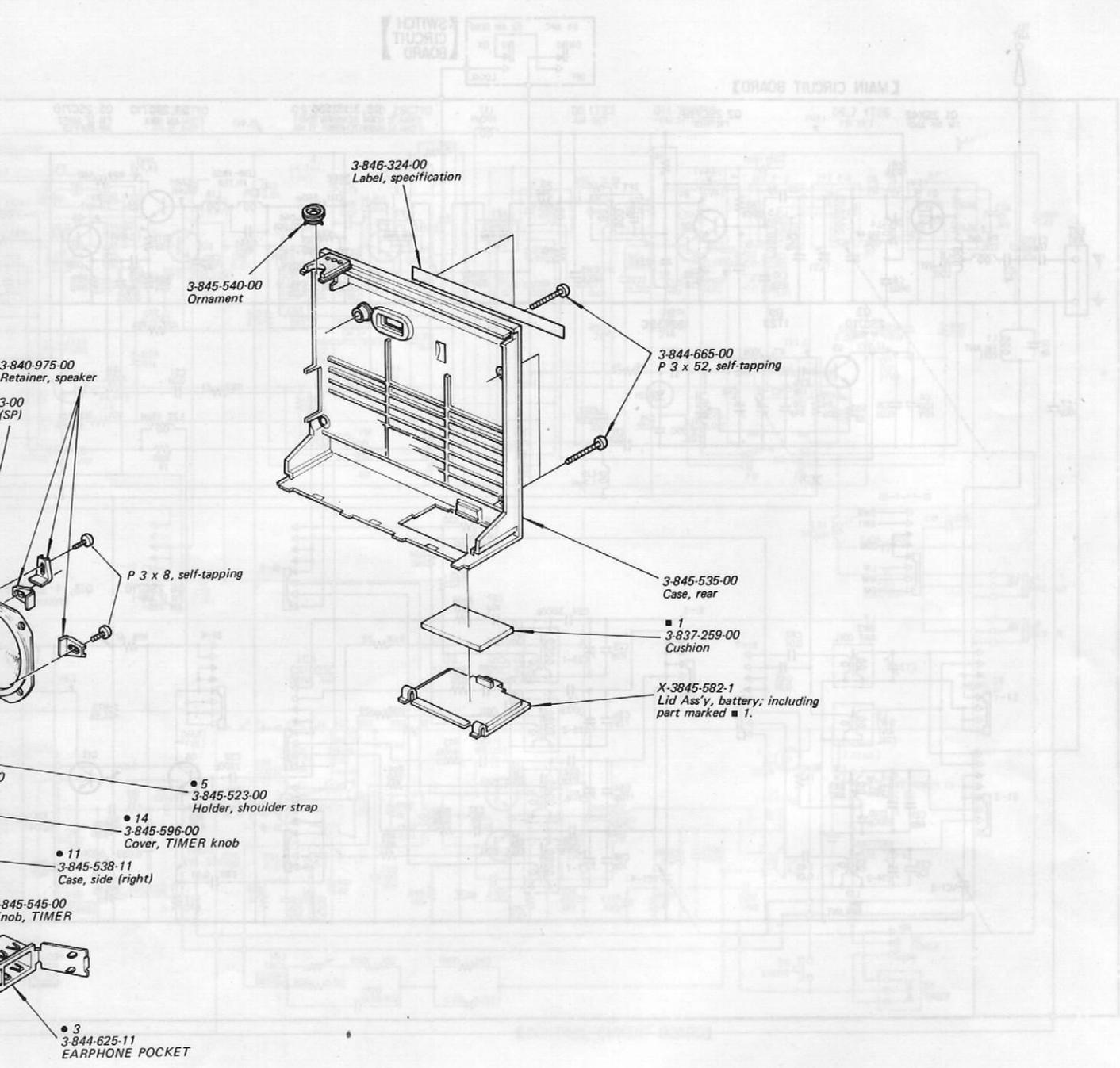
○ R83 (※) is to be selected.

IC1	Q15,16	
	2SC1429-3	2SC1429-4
CX-025-10	4.3 k	1.5 k
CX-025-20	1.5 k	910

SECTION 5 EXPLODED VIEWS

5-1.

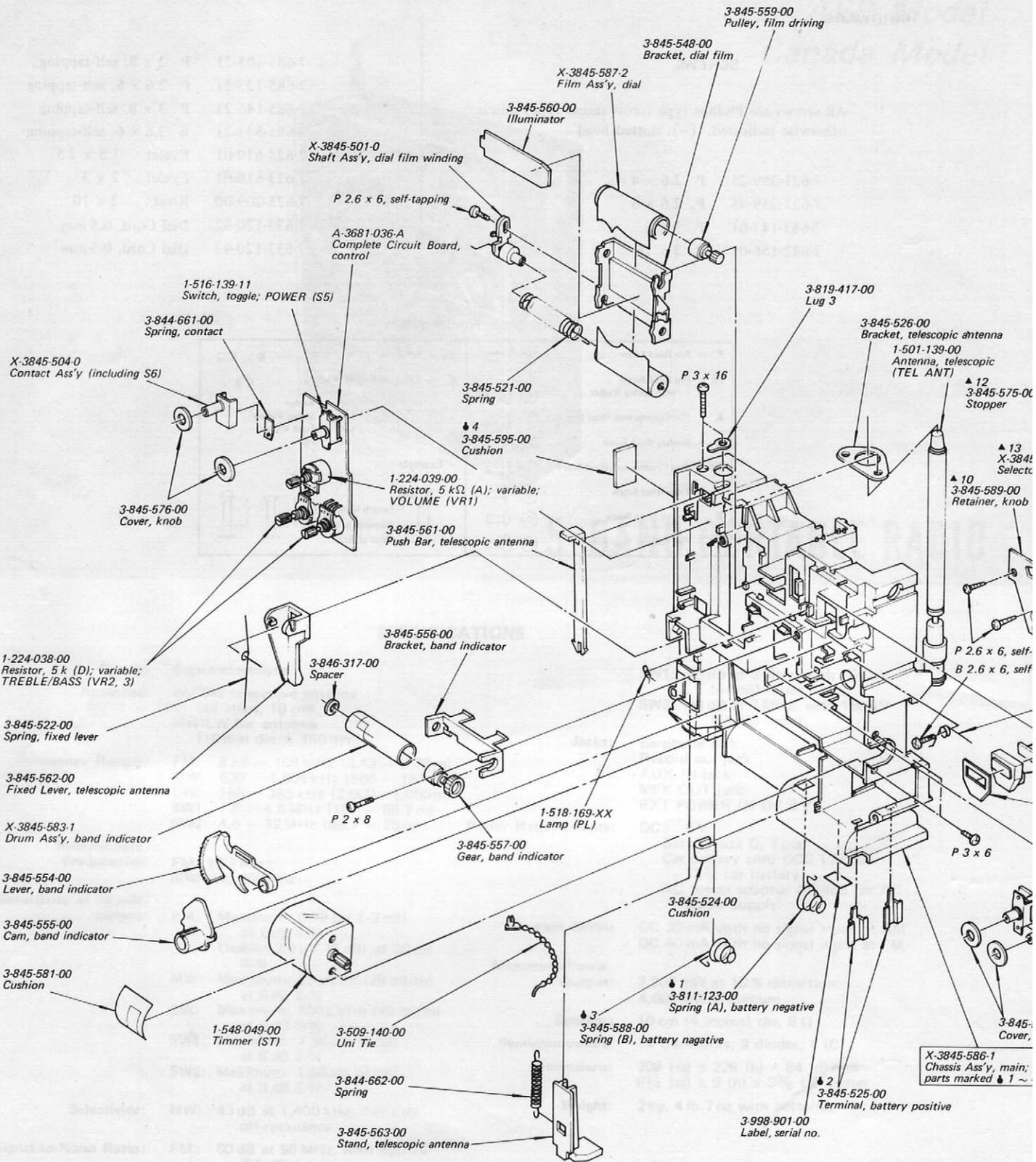


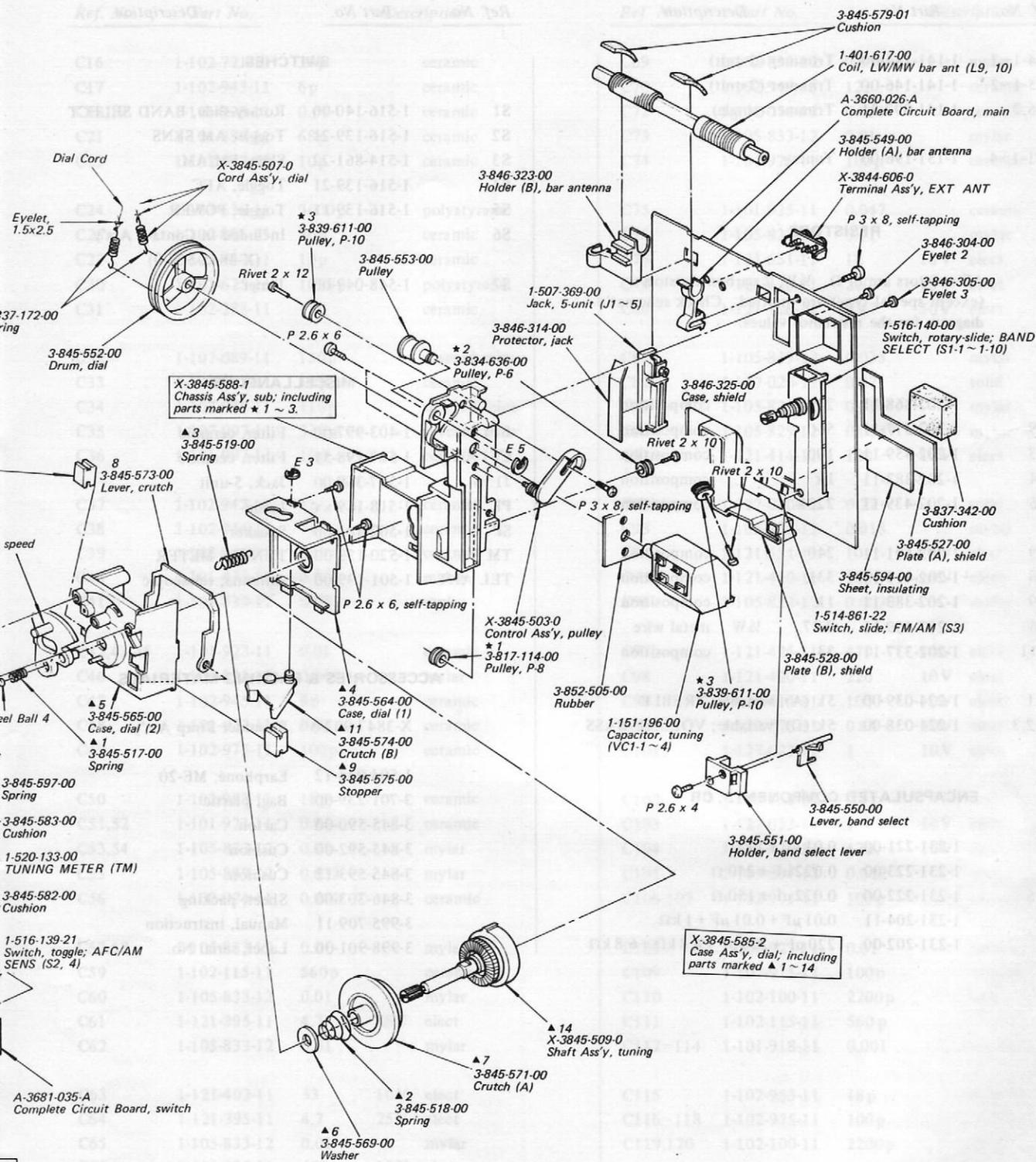


IC1	3-845-523-00	3-845-596-00
CK		
CK-025-28		

Note:

- Items without part number and description are not available.
- All screws are Phillips (cross recess) type unless otherwise noted.
- (-) = slotted head





Note:

- Items without part number and description are not available.
- All screws are Phillips (cross recess) type unless otherwise noted.
- (-) = slotted head

SECTION 6 ELECTRICAL PARTS LIST

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
COMPLETE CIRCUIT BOARDS					
	A-3660-026-A	Main	L9,10	1-401-617-00	LW/MW Bar Ant
	A-3681-035-A	Switch	L11	1-405-679-00	SW2 OSC
	A-3681-036-A	Control	L12	1-405-678-00	SW1 OSC
			L13	1-405-680-00	LW OSC
			L14	1-405-520-00	MW OSC
			L15,16	1-401-495-00	Low-pass Filter
			L17	1-407-169-00	100 μ H, microinductor
			L18~20	1-407-179-00	1.2 μ H, microinductor
			L21	1-407-176-00	390 μ H, microinductor
			L22	1-407-159-00	15 μ H, microinductor
SEMICONDUCTORS			TRANSFORMERS		
CX-1		Integrated Circuit, CX-025D	CFT	1-403-829-21	Ceramic Filter
Transistors			IFT A	1-403-137-00	AM IFT
Q1		2SK42	IFT-F1	1-403-872-00	FM IFT
Q2~6		2SC710	IFT-F2	1-403-869-00	FM disci (primary)
Q7		2SC945	IFT-F3	1-403-870-00	FM disci (secondary)
Q8~11		2SC710	T1	1-423-159-00	Driver
Q13,14		2SC945	T2	1-427-306-00	Output
Q15,16		2SC1429	CAPACITORS		
Diodes			All capacitors are μ F unless otherwise indicated. 50 or less working volts are omitted except for electrolytic type. (elect = electrolytic, p = μ F)		
D1		1S2139C	C1	1-102-949-11	12p ceramic
D2~4		1S1555	C2	1-102-945-11	8p ceramic
D5		1T23	C3	1-102-937-11	4p ceramic
D6,7		1T26	C4	1-121-414-11	100 10V elect
D8		1S1209	C6	1-102-115-11	560p ceramic
D9		1T23	C7	1-102-975-11	100p ceramic
COILS			C8	1-102-953-11	18p ceramic
L1	1-401-456-00	FM Ant	C9	1-102-936-11	3p ceramic
L2	1-401-527-00	FM Ant	C10	1-102-975-11	100p ceramic
L3	1-401-455-00	FM Ant	C11	1-102-934-11	1p ceramic
L4	1-425-739-00	FM RF	C14	1-102-833-12	0.01 mylar
L5	1-407-182-00	2.2 μ H, microinductor	C15	1-102-949-11	12p ceramic
L6	1-405-568-00	FM OSC			
L7	1-401-618-00	SW2 Ant			
L8	1-401-619-00	SW1 Ant			

SECTION 8
ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C16	1-102-721-11	24p ceramic	C69	1-105-839-12	0.033 mylar
C17	1-102-943-11	6p ceramic	C70	1-102-949-11	12p ceramic
C18,19	1-101-923-11	0.01 ceramic	C72	1-102-074-11	0.001 ceramic
C21	1-101-888-11	68p ceramic	C73	1-105-833-12	0.01 mylar
C23	1-102-947-11	10p ceramic	C74	1-102-975-11	100p ceramic
C24	1-103-636-11	3000p polystyrene	C75	1-101-925-11	0.047 ceramic
C25	1-102-801-11	20p ceramic	C76	1-105-833-12	0.01 mylar
C27	1-102-947-11	10p ceramic	C78	1-121-651-11	10 16V elect
C30	1-103-625-11	1000p polystyrene	C79	1-121-420-11	220 10V elect
C31	1-102-288-11	12p ceramic	C80	1-121-726-11	0.47 50V elect
C32	1-107-089-11	150p silvered mica	C81	1-105-839-12	0.033 mylar
C33	1-102-947-11	10p ceramic	C82	1-127-020-11	0.22 solid
C34	1-107-086-11	110p silvered mica	C89	1-105-833-12	0.01 mylar
C35	1-107-097-11	330p silvered mica	C90	1-105-829-12	0.0047 mylar
C36	1-101-997-11	10p ceramic	C91	1-121-414-11	100 10V elect
C37	1-102-942-11	5p ceramic	C92	1-127-020-11	0.22 solid
C38	1-102-944-11	7p ceramic	C93	1-105-835-12	0.015 mylar
C39	1-102-100-11	2200p ceramic	C94	1-121-651-11	10 16V elect
C40	1-105-833-12	0.01 mylar	C95	1-121-420-11	220 10V elect
C41	1-105-839-12	0.033 mylar	C96	1-105-827-12	0.0033 mylar
C42,43,45	1-101-923-11	0.01 ceramic	C97	1-121-425-11	470 10V elect
C46	1-105-821-12	0.001 mylar	C98	1-121-420-11	220 10V elect
C47	1-102-945-11	8p ceramic	C99	1-121-414-11	100 10V elect
C48	1-101-923-11	0.01 ceramic	C100	1-127-378-11	0.68 10V elect
C49	1-102-975-11	100p ceramic	C101	1-127-023-11	1 10V elect
C50	1-102-953-11	18p ceramic	C102	1-105-833-12	0.01 mylar
C51,52	1-101-923-11	0.01 ceramic	C103	1-127-023-11	1 10V elect
C53,54	1-105-833-12	0.01 mylar	C104	1-121-425-11	470 10V elect
C55	1-105-839-12	0.033 mylar	C105	1-105-837-12	0.022 mylar
C56	1-102-074-11	0.001 ceramic	C106,107	1-102-975-11	100p ceramic
C57,58	1-105-833-12	0.01 mylar	C108	1-101-923-11	0.01 ceramic
C59	1-102-115-11	560p ceramic	C109	1-102-975-11	100p ceramic
C60	1-105-833-12	0.01 mylar	C110	1-102-100-11	2200p ceramic
C61	1-121-395-11	4.7 25V elect	C111	1-102-115-11	560p ceramic
C62	1-105-833-12	0.01 mylar	C112~114	1-101-918-11	0.001 ceramic
C63	1-121-402-11	33 10V elect	C115	1-102-953-11	18p ceramic
C64	1-121-395-11	4.7 25V elect	C116~118	1-102-975-11	100p ceramic
C65	1-105-833-12	0.01 mylar	C119,120	1-102-100-11	2200p ceramic
C66	1-121-425-11	470 10V elect	CT1,2	1-141-097-21	Trimmer (single)
C67	1-121-487-11	47 6.3V elect	CT3	1-141-097-31	Trimmer (single)
C68	1-105-833-12	0.01 mylar			

SECTION 6
ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
CT4-1~2	1-141-144-00	Trimmer (2-unit)			
CT5-1~2	1-141-146-00	Trimmer (2-unit)			
CT6,7	1-141-097-31	Trimmer (single)			
VC1-1~4	1-151-196-00	Tuning			

RESISTORS

All resistors are in Ω . $\frac{1}{4}W$, \pm carbon resistors (except special type) are omitted. Check schematic diagram for the resistance values.

R9	1-202-368-11	240	composition
R29	1-202-377-11	560	composition
R33	1-202-359-11	100	composition
R54	1-202-383-11	1k	composition
R56	1-202-439-11	220k	composition
R59	1-202-591-11	240	composition
R78	1-202-419-11	33k	composition
R79	1-202-383-11	1k	composition
R96	1-207-459-11	0.47	$\frac{1}{2}W$ metal wire
R111	1-202-337-11	33	composition

VR1	1-224-039-00	5k (A), variable; TREBLE
VR2,3	1-224-038-00	5k (D), variable; VOLUME/BASS

ENCAPSULATED COMPONENTS, CR

B1	1-231-221-00	0.01 μF + 1 k Ω
B2	1-231-223-00	0.022 μF + 240 Ω
B3,5	1-231-222-00	0.022 μF + 150 Ω
B6	1-231-204-11	0.01 μF + 0.01 μF + 1 k Ω
B7	1-231-202-00	220 pF + 220 pF + 6.8 k Ω + 6.8 k Ω

SWITCHES

S1	1-516-140-00	Rotary-slide, BAND SELECT
S2	1-516-139-21	Toggle, AM SENS
S3	1-514-861-22	Slide, FM/AM
S4	1-516-139-21	Toggle, AFC
S5	1-516-139-11	Toggle, POWER
S6		Included in Contact Ass'y (X-3845-504-0)
S7	1-548-049-00	Timer

MISCELLANEOUS

BFI	1-403-997-00	Filter, ceramic
CF1~3	1-527-198-51	Filter, ceramic
J1~5	1-507-369-00	Jack, 5-unit
PL	1-518-169-xx	Lamp
SP	1-502-403-00	Speaker
TM	1-520-133-00	TUNING METER
TEL ANT	1-501-139-00	Antenna, telescopic

ACCESSORIES & PACKING MATERIALS

X-3847-902-0	Shoulder Strap Ass'y
1-504-034-12	Earphone, ME-20
3-701-239-00	Bag, plastic
3-845-590-00	Carton
3-845-592-00	Cushion
3-845-593-12	Cushion
3-846-303-00	Sheet, packing
3-995-709-11	Manual, instruction
3-998-901-00	Label, serial No.

Ref. No. Part No. Description Ref. No. Part No. Description

HARDWARE

SCREWS

All screws are Phillips type (cross recess type) unless otherwise indicated. (-); slotted head

7-621-259-25	P	2.6 x 4
7-621-259-45	P	2.6 x 6
7-682-147-01	P	3 x 6
7-682-156-01	P	3 x 16

7-685-105-21	P	2 x 8, self-tapping
7-685-133-21	P	2.6 x 6, self-tapping
7-685-146-21	P	3 x 8, self-tapping
7-685-533-21	B	2.6 x 6, self-tapping
7-623-610-01	Eyelet	1.5 x 2.5
7-623-616-01	Eyelet	2 x 3
7-625-209-00	Rivet	2 x 10
7-633-120-32	Dial Cord	0.5 mm
7-633-120-43	Dial Cord	0.3 mm

- Hardware Nomenclature -

P - Pan Head Screw		SC - Set Screw	
PS - Pan Head Screw with Spring Washer		E - Retaining Ring (E Washer)	
K - Flat Countersunk Head Screw		W - Washer	
B - Binding Head Screw		SW - Spring Washer	
RK - Oval Countersunk Head Screw		LW - Lock Washer	
T - Truss Head Screw		N - Nut	
R - Round Head Screw		- Example -	
F - Flat Fillister Head Screw			

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