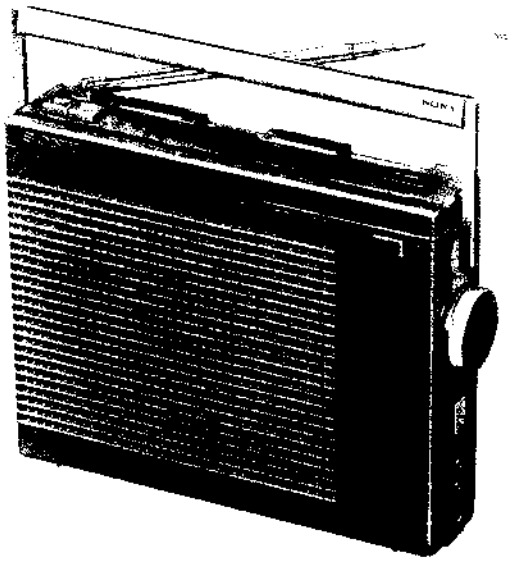
ICF-P2L

AEP Model
UK Model



FM/SW/MW/LW 4-BAND RECEIVER

SPECIFICATIONS

Power Requirements: 3 V dc, two batteries size "D" (IEC designation R20)
240 V ac, 50 Hz with optional Sony AC Power Adaptor AC-35 (UK model)
220 V ac, 50 Hz with optional Sony AC Power Adaptor AC-35 (AEP model)
12 V car battery with optional Sony Car Battery Cord DCC-127A

Antennas: FM/SW: Telescopic antenna
MW/LW: Built-in ferrite-rod antenna

Frequency Range: FM: 87.5–108 MHz
SW: 5.9–18 MHz (51–17 m)
MW: 530–1,605 kHz (566–187 m)
LW: 150–285 kHz (2,000–1,053 m)

Power Output: 220 mW (at 10 % harmonic distortion) with POWER SAVE switch OFF
80 mW (at 10 % harmonic distortion) with POWER SAVE switch ON

Output: Earphone jack (minijack)
Multiplex output jack (minijack)

Speaker: Approx. 10 cm (4 inches) dia.

Dimensions: Approx. 200 (w) x 160 (h) x 46 (d) mm
$7\frac{7}{8}$ (w) x $6\frac{1}{4}$ (h) x $1\frac{3}{4}$ (d) inches
including projecting parts and controls not including handle

Weight: Approx. 1.3 kg (2 lb 14 oz) including batteries

SONY®
SERVICE MANUAL

SECTION 1
OUTLINE

1-1. CIRCUIT DESCRIPTION

TIMER Switch (See Fig. 1)

This unit is equipped with a timer function in which pressing the TIMER SET switch while the POWER switch is off, the receiver turns on and after about one hour it is off automatically. The operation of this circuit is described below.

- **When the POWER Switch is ON**

  The receiver operates since the ground circuit of the receiver is connected to the minus side of batteries through S1-1.

- **When the POWER Switch is OFF**

  When the POWER switch is turned from ON to OFF, since the switches have been designed to short all three terminals momentarily, the capacitor C46 is discharged through C46 → S1-2 → S1-1 for a short period until the switch S1 is in the OFF position completely.

  After C46 is discharged, the gate G of PUT※ becomes 0 V and the PUT is turned on. This removes the bias voltage of Q11, turning Q11 and Q10 off. Therefore, the receiver does not operate.

  Next, when the TIMER SET switch S5 is turned on, the B+ voltage is applied to the gate G of PUT through R44 and S5, reverse-biasing the PUT, so that the PUT is turned off. Consequently, Q11 and Q10 conduct and the receiver operate. At the same time, because of turning S5 on, C46 is charged through R44 → S5 → S1-2 → C46.

  When S5 is turned off, the charge in C46 is discharged through R45 and the gate voltage of PUT starts decreasing with a time constant determined by C46 and R45. When this voltage falls below a certain value, the PUT conducts, turning off Q11 and Q10 where upon the receiver stops operating.

  The time setting of the timer has been adjusted to about one hour by selecting the values of C46 and C45. To inactivate the timer while using, it is sufficient to press the TIMER OFF switch S6 which forcibly discharges C46.

※ **Programmable Unijunction Transistor (PUT)**

The PUT is a switching element made up of an NPN and a PNP transistor on the same silicon wafer. (See Fig. 2)

Stable ON and OFF states can be obtained in this device depending on the bias between A and K and the switching can be controlled either by an external resistor connected to or a voltage applied to the gate G. This is actually a reverse blocking triode N-Gate thyristor. (The A-K junction is turned on, when the voltage of G becomes 0.3 – 0.4 V less than that of A).

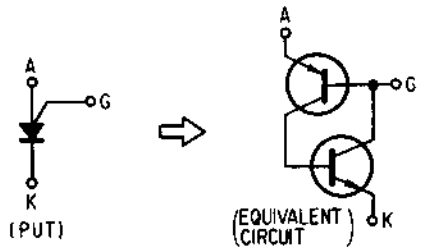


Fig. 2

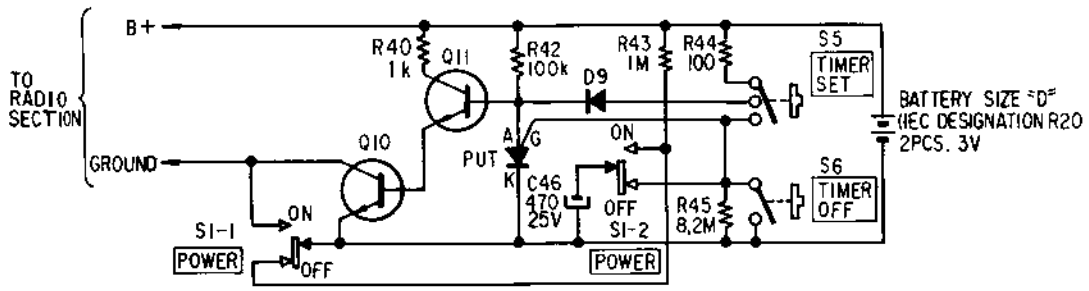


Fig. 1

POWER SAVE Switch (See Fig. 3)

This unit is provided with the POWER SAVE switch which conserves the battery duration.

When the switch is kept ON, the power saving circuit comes into operation conserving the battery duration by 1.6 times compared to when the switch is OFF at the same listening level.

The battery life when using the SONY dry batteries Super SUM-1S are

POWER SAVE switch OFF: about 85 hours
POWER SAVE switch ON: about 140 hours

The operation of the POWER SAVE switch is described below.

- **S3-1**

The secondary side tap of the output transformer T2 is changed to about 1/3 of the normal value. The load impedance of the output stage is increased by about nine times ($=3^2$), thereby improving the efficiency. Thus the current drain at the same output is decreased.

- S3-2

1) Since the maximum output of the power amplifier (Q8, 9) becomes lower, the output of the driving amplifier also can be decreased.
2) Since the load impedance becomes higher by turning ON S3-1, the crossover distortion will be less. Accordingly, the idling current drain can be decreased to that extent.
3) Because the load impedance increases, the overall gain of the amplifier increases, increasing the nagative feedback as well as making it less stable. For this reason, the emitter resistance value is increased to reduce the overall gain.

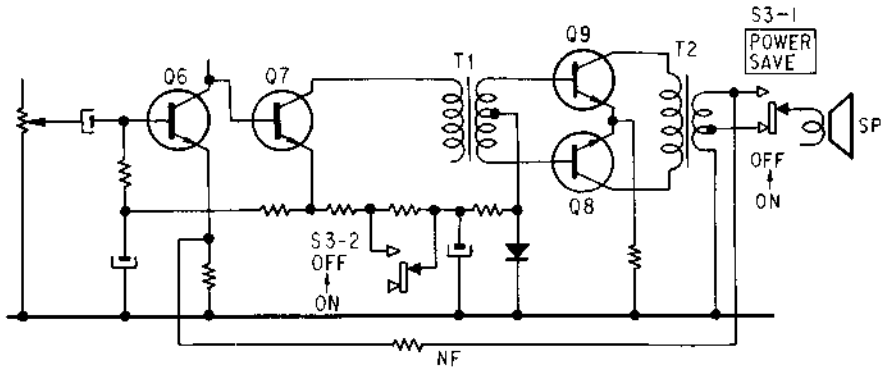
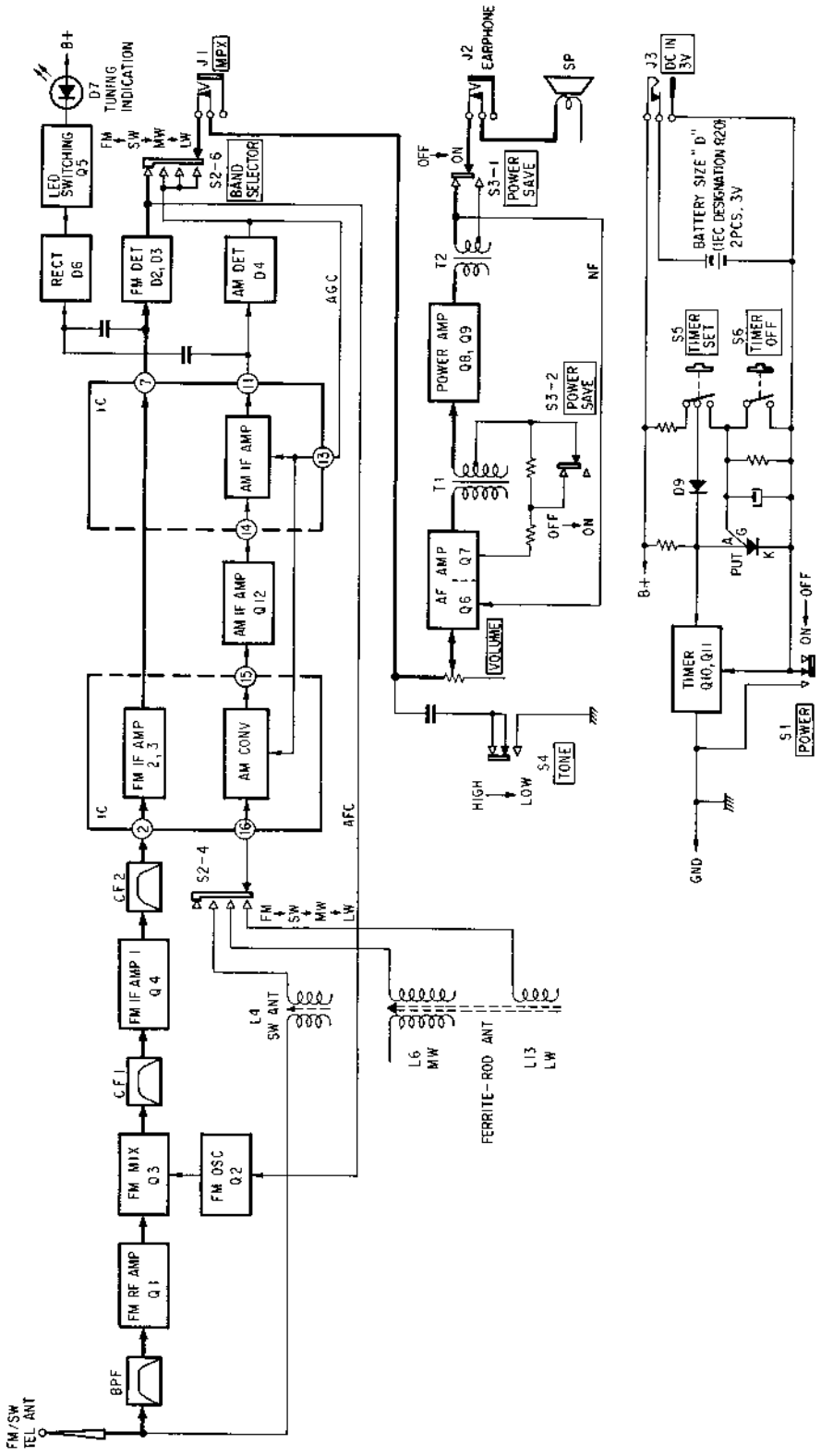


Fig. 3

1-2. BLOCK DIAGRAM

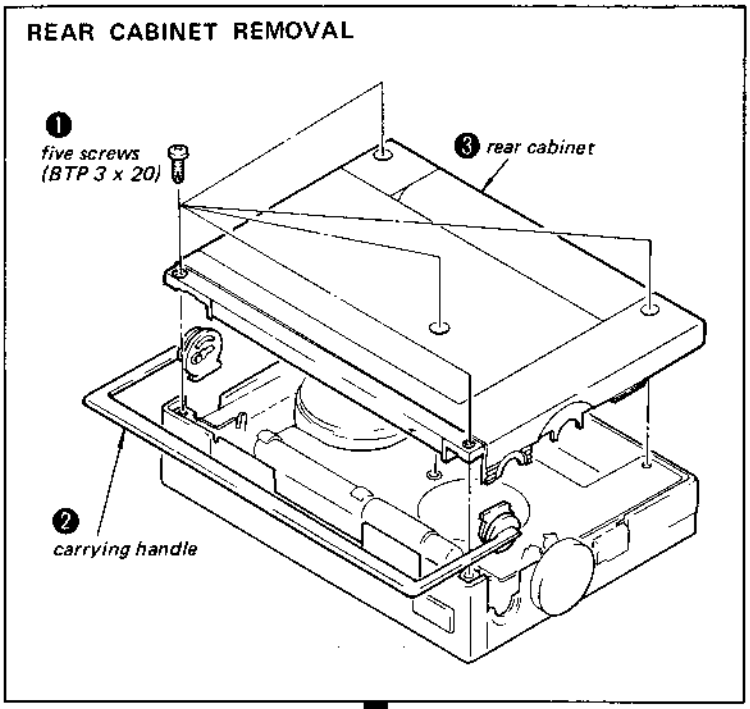


SECTION 2
DISASSEMBLY

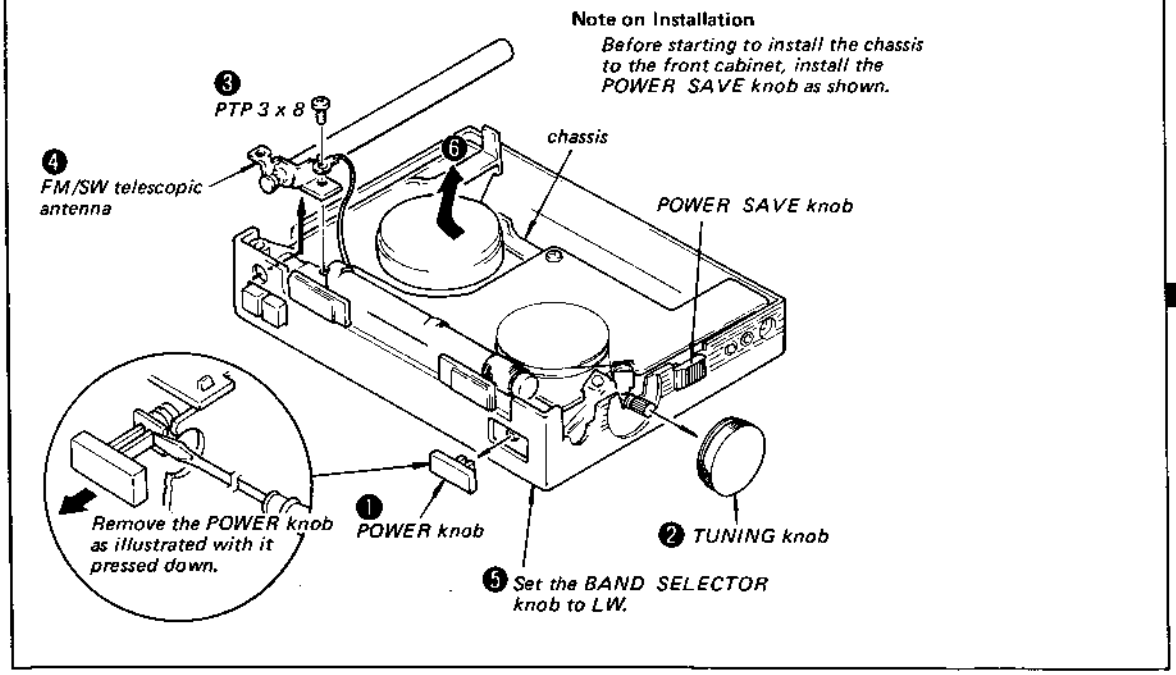
2-1. REMOVAL

- Follow the disassembly procedure in the numerical order given.

REAR CABINET REMOVAL



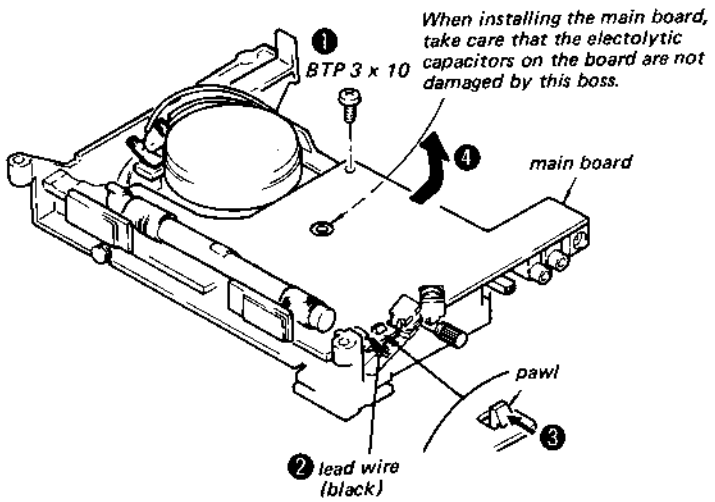
CHASSIS REMOVAL



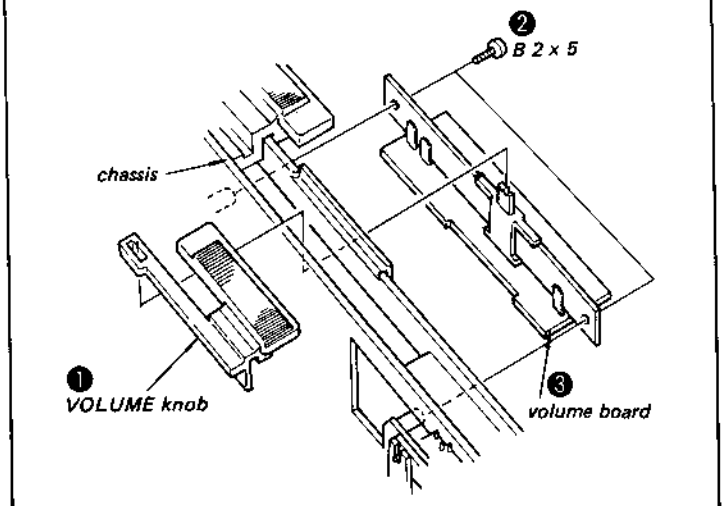
Remove the Dial Cord.

Referring to the next page, perform the procedures in the reversed order.

MAIN BOARD REMOVAL

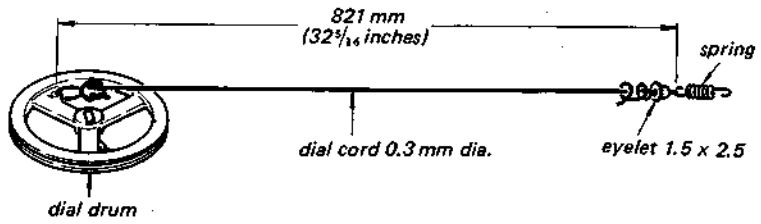


VOLUME BOARD REMOVAL



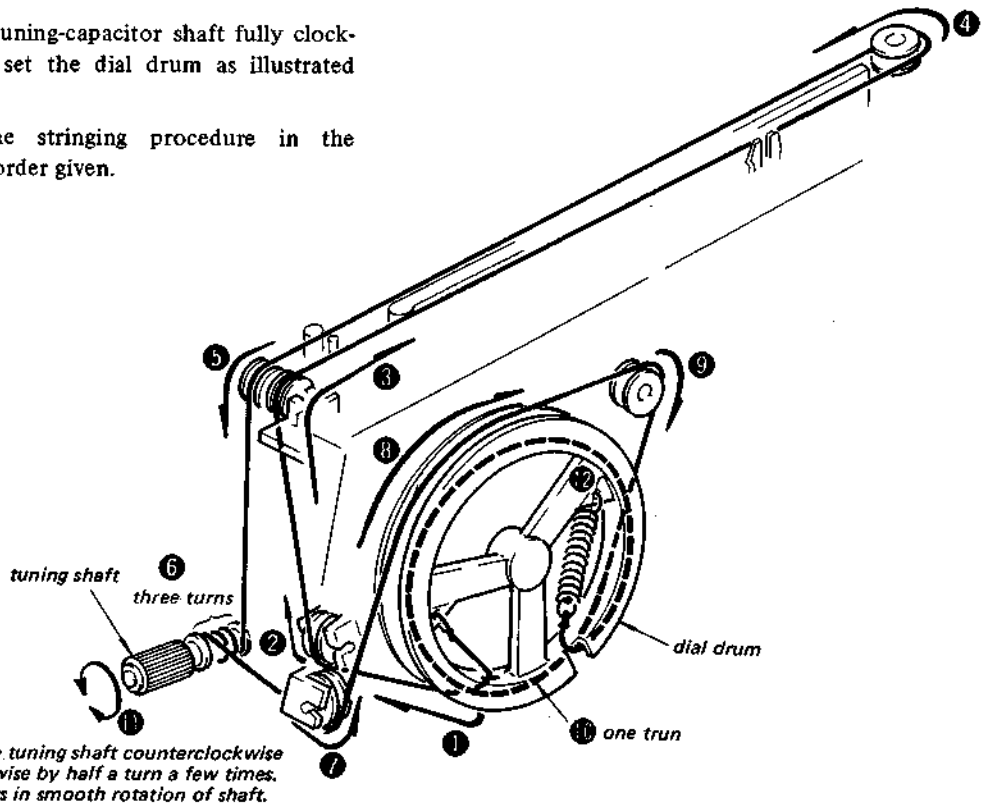
2-2. DIAL CORD STRINGING

1. Preparation



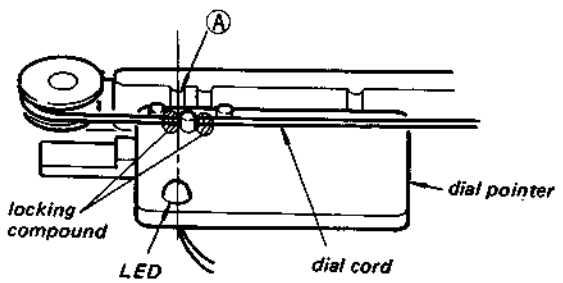
2. Stringing

1) Turn the tuning-capacitor shaft fully clockwise, and set the dial drum as illustrated below.
2) Follow the stringing procedure in the numerical order given.



3. Dial Pointer Installation

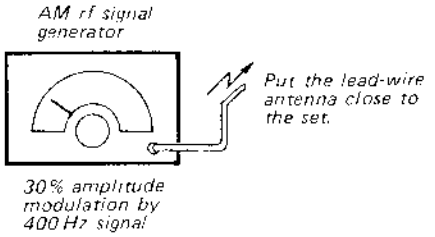
Turn the tuning shaft fully counterclockwise, place the LED and the portion "Ⓐ" in a line and apply suitable locking compound to the dial cord as shown.

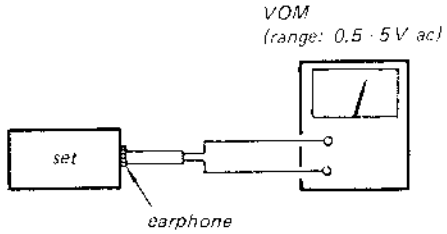


SECTION 3

ADJUSTMENTS

3-1. MW/LW SECTION



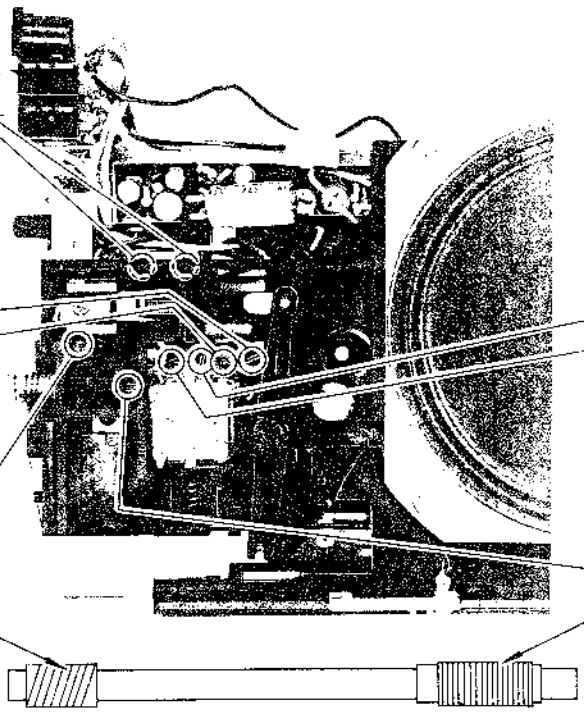


- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

AM IF ALIGNMENT	
Adjust for a maximum reading on VOM.	
468 kHz	IFT1

LW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VOM.	
145 kHz	L11
300 kHz	CT5

LW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VOM.	
260 kHz	CT7
170 kHz	L13

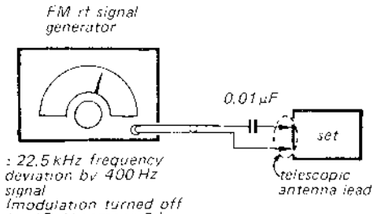


MW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VOM.	
L7	520 kHz
CT6	1,680 kHz

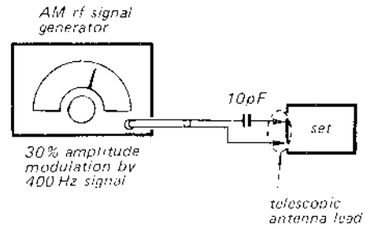
MW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VOM.	
CT8	1,400 kHz
L6	620 kHz

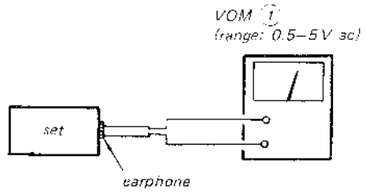
3-2. FM/SW SECTION

– FM –



– SW –





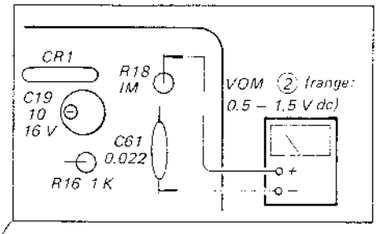
• Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

FM IF ALIGNMENT 1	
Adjust for a maximum reading on VOM ①.	
10.7 MHz with modulation	IFT3
	IFT2

FM IF ALIGNMENT 2	
Adjust for 0 V reading on VOM ②.	
10.7 MHz with no modulation	IFT3

SW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VOM ①.	
18.4 MHz	CT1
5.8 MHz	L5

SW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VOM ①.	
18.4 MHz	CT2
5.8 MHz	L4



FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VOM ①.	
CT3	109.5 MHz (108.5 MHz)
L3	86.5 MHz (87.1 MHz)

( ): in West Germany

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VOM ①.	
L2	86.5 MHz (87.1 MHz)
CT4	109.5 MHz (108.5 MHz)

( ): in West Germany

1/4 WATT CARBON RESISTORS Ⓐ

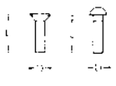
Note: Circled letter Ⓐ is applicable to European models only.

Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
1.0	1 246 401 00	10	1 246 425 00	100	1 246 449 00	1.0k	1 246 473 00	10k	1 246 497 00	100k	1 246 521 00	1.0M	1 246 545 00
1.1	1 246 402 00	11	1 246 426 00	110	1 246 450 00	1.1k	1 246 474 00	11k	1 246 498 00	110k	1 246 522 00	1.1M	1 246 546 00
1.2	1-246-403 00	12	1 246 427 00	120	1 246 451 00	1.2k	1 246 475 00	12k	1 246 499 00	120k	1 246 523 00	1.2M	1 246 547 00
1.3	1 246 404 00	13	1 246 428 00	130	1 246 452 00	1.3k	1 246 476 00	13k	1-246-500 00	130k	1 246 524 00	1.3M	1 246 548 00
1.5	1 246 405 00	15	1 246 429 00	150	1 246 453 00	1.5k	1 246 477 00	15k	1 246 501 00	150k	1 246 525 00	1.5M	1 246 549 00
1.6	1 246 406 00	16	1 246 430 00	160	1-246-454-00	1.6k	1 246 478 00	16k	1 246 502 00	160k	1 246 526 00	1.6M	1 246 550 00
1.8	1 246 407 00	18	1 246 431 00	180	1 246 455 00	1.8k	1 246 479 00	18k	1-246-503 00	180k	1 246 527 00	1.8M	1 246 551 00
2.0	1 246 408 00	20	1 246 432 00	200	1 246 456 00	2.0k	1 246 480 00	20k	1 246 504 00	200k	1 246 528 00	2.0M	1 246 552 00
2.2	1 246 409 00	22	1 246 433 00	220	1 246 457 00	2.2k	1 246 481 00	22k	1 246 505 00	220k	1 246 529 00	2.2M	1 246 553 00
2.4	1 246 410 00	24	1 246 434 00	240	1 246 458 00	2.4k	1 246 482 00	24k	1 246 506 00	240k	1 246 530 00	2.4M	1 246 554 00
2.7	1-246-411-00	27	1 246 435 00	270	1 246 459 00	2.7k	1 246 483 00	27k	1 246 507 00	270k	1 246 531 00	2.7M	1 246 555 00
3.0	1 246 412 00	30	1 246 436 00	300	1 246 460 00	3.0k	1 246 484 00	30k	1 246 508 00	300k	1 246 532 00	3.0M	1 246 556 00
3.3	1 246 413 00	33	1 246 437 00	330	1 246 461 00	3.3k	1 246 485 00	33k	1 246 509 00	330k	1 246 533 00	3.3M	1 246 557 00
3.5	1 246 414 00	36	1 246 438 00	360	1 246 462 00	3.6k	1 246 486 00	36k	1 246 510 00	360k	1 246 534 00	3.6M	1 246 558 00
3.9	1 246 415 00	39	1 246 439 00	390	1 246 463 00	3.9k	1 246 487 00	39k	1-246-511 00	390k	1 246 535 00	3.9M	1 246 559 00
4.3	1 246 416 00	43	1 246 440 00	430	1 246 464 00	4.3k	1 246 488 00	43k	1 246 512 00	430k	1 246 536 00	4.3M	1 246 560 00
4.7	1-246-417-00	47	1 246 441 00	470	1 246-465 00	4.7k	1 246 489 00	47k	1 246 513 00	470k	1 246 537 00	4.7M	1 246 561 00
5.1	1 246 418 00	51	1 246 442 00	510	1 246 466 00	5.1k	1 246 490 00	51k	1 246 514 00	510k	1 246 538 00	5.1M	1 246 562 00
5.6	1 246 419 00	56	1 246 443 00	560	1 246-467 00	5.6k	1 246 491 00	56k	1 246 515 00	560k	1 246 539 00		
6.2	1 246 420 00	62	1 246 444 00	620	1-246 468 00	6.2k	1 246 492 00	62k	1 246-516-00	620k	1 246 540 00		
6.8	1 246 421 00	68	1 246 445 00	680	1 246 469 00	6.8k	1 246 493 00	68k	1 246 517 00	680k	1 246 541 00		
7.5	1 246 422 00	75	1 246 446 00	750	1 246 470 00	7.5k	1 246 494 00	75k	1 246 518 00	750k	1 246 542 00		
8.2	1 246 423 00	82	1 246 447 00	820	1 246 471 00	8.2k	1 246 495 00	82k	1 246 519 00	820k	1 246 543 00		
9.1	1 246 424 00	91	1 246 448 00	910	1 246 472 00	9.1k	1 246 496 00	91k	1 246 520 00	910k	1 246 544 00		

HARDWARE NOMENCLATURE

Screw

P 3 × 10
- L: Length in mm
- D: Diameter in mm
- Type of head
- Indicated slotted-head only
- Unless otherwise indicated, + means cross-recessed head (Phillips type).



Nut, Washer, Retaining ring:

N 3
- Diameter of usable screw or shaft
- Reference designation

Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk head screw	
RK		oval-countersunk head screw	
B		binding-head screw	
T		cross-head screw	binding-head (B) screw for replacement
F		flat-fillister head screw	
BF		fillister head screw	
BV		brazier head screw	

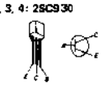
Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex. TA P 3 × 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self-tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon socket set screw	ex. SC 2.6 × 4 hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal tooth lock washer	ex. LW3, internal
LW		external tooth lock washer	ex. LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	

SECTION 4
DIAGRAMS

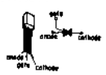
4-1. MOUNTING DIAGRAM

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

Q1, 3, 4: 2SC930



PUT: N13T1



Q2: 2SC668

Q5–7, 11: 2SC1364 (2SC1363)

Q8, 9: 2SC2001 (2SC1209)

Q10: 2SC1474

Q12: 2SC1364 (2SC945)

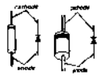
IC: μPC1018C

D1: 1S2139C (SD115)
D2, 3, 5, 6: 1T261
D4: 1T22AM (1T23A)

D7: SLP1148

D8, 9: VD1121

D10: 10E2 (GP08B)



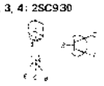
D11: 1S2222

SECTION 4
DIAGRAMS

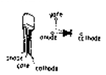
4-1. MOUNTING DIAGRAM

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

Q1, 3, 4: 2SC930



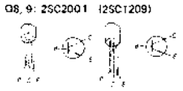
PUT: N13T1



Q2: 2SC688

Q5–7, 11: 2SC1364 (2SC1363)

Q8, 9: 2SC2001 (2SC1209)



Q10: 2SC1474

Q12: 2SC1364 (2SC945)

IC: μPC1018C

D1: 1S2139C (SD116)
D2, 3, 5, 6: 1T261
D4: 1TZ2AM (1TZ3A)

D7: SLP114B

D8, 9: VD1121

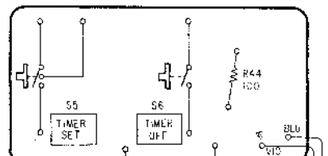
D10: 10E2 (GP08BI)

D11: 1S2222

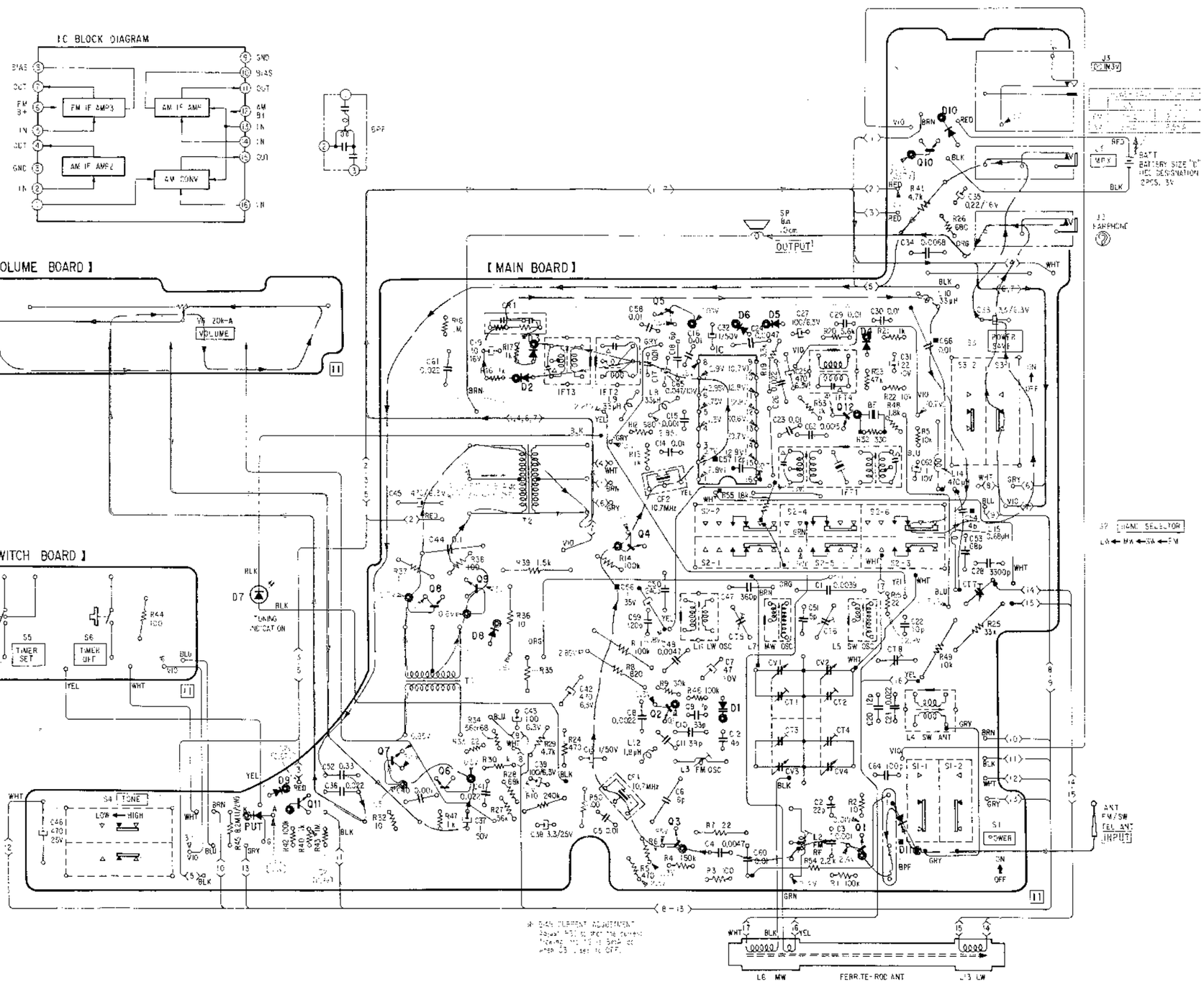
IC BLOCK DIAGRAM

【VOLUME BOARD】

【SWITCH BOARD】

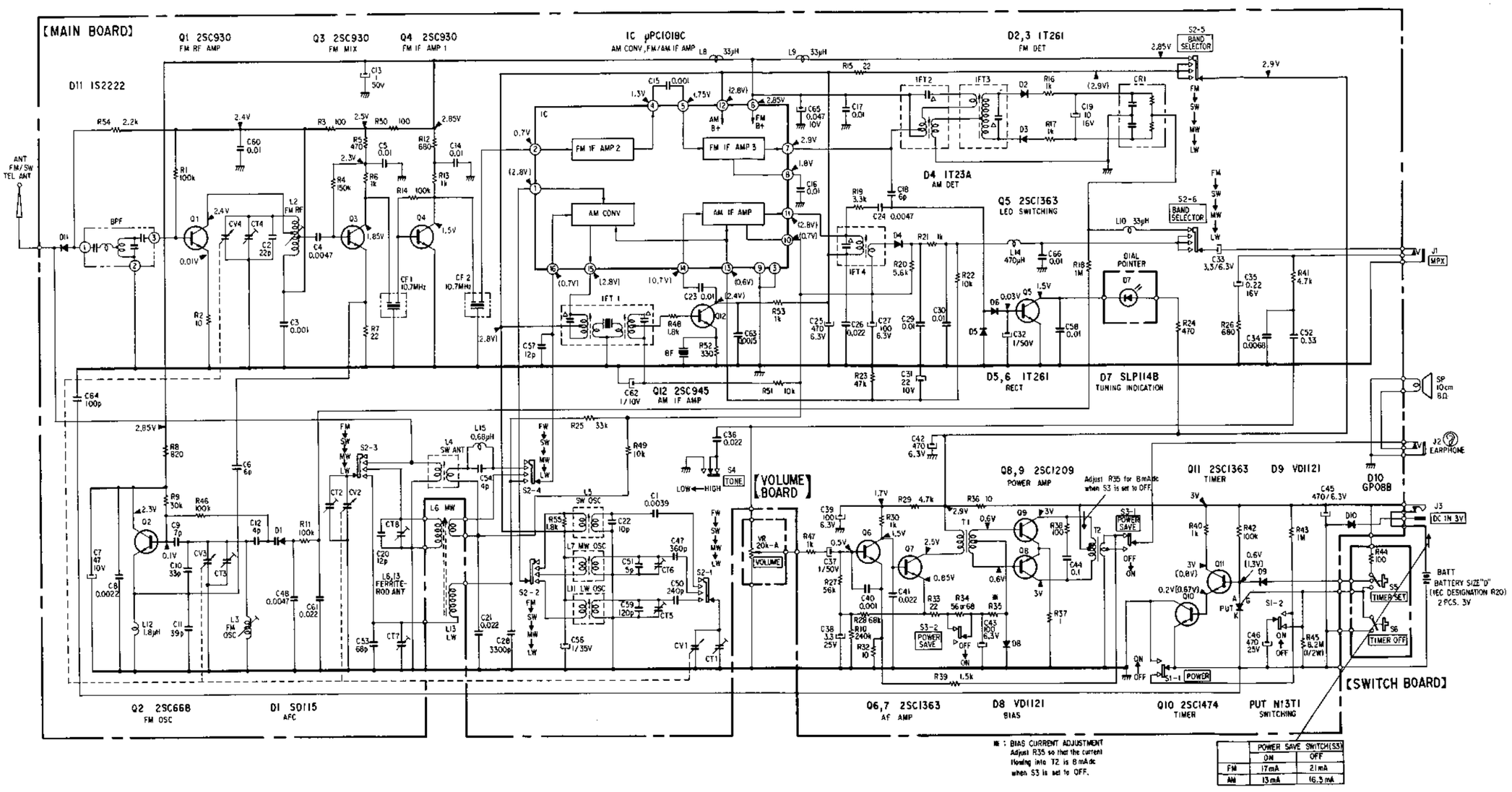


【MAIN BOARD】



Q, IC	D
10	10
5	6 5 4 3 2
IC 12	
4	
9 8	7 8
2	1
7	
6 11 PUT 3 1	9 11
Q, IC	D

4-2. SCHEMATIC DIAGRAM



Note: — For Mounting Diagram —

- ○— : 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

Note: — For Schematic Diagram —

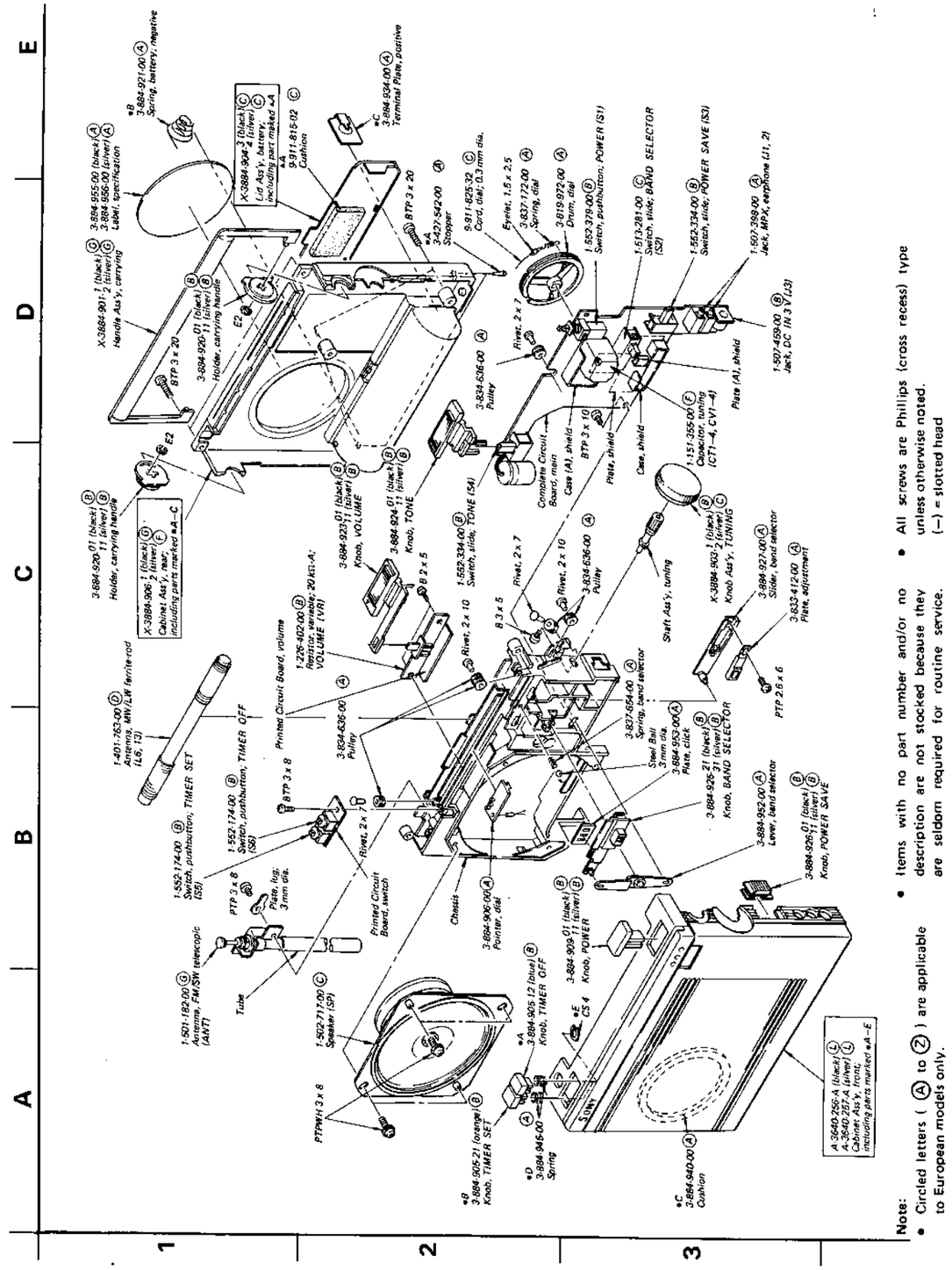
- All capacitors are in μF unless otherwise noted. pF : μμF 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, ¼W unless otherwise noted. kΩ : 1000 Ω, MΩ : 1000 kΩ
- △ : internal component.
- ——— : B+ bus.
- ▭ : panel designation.
- Voltages are dc with respect to ground unless otherwise noted.

- Readings are taken under no signal (detuned) conditions with a VOM (20 kΩ/V).
  ( ): AM
  [ ]: When the set operates with the TIMER SET switch turned on:
  no mark: FM or common
- Voltage variations may be noted due to normal production tolerances.

- Switch

Ref. No.	Switch	Position
S1-1, 2	POWER	OFF
S2-1 to 6	BAND SELECTOR	FM
S3-1, 2	POWER SAVE	OFF
S4	TONE	HIGH
S5	TIMER SET	OFF
S6	TIMER OFF	OFF

SECTION 5
EXPLODED VIEW



Note:
- Circled letters (Ⓐ to Ⓩ) are applicable to European models only.
- All screws are Phillips (cross recess) type and/or no unless otherwise noted. cause they ne service. (–) = slotted head
- Items with no part number description are not stocked because th are seldom required for routine servic

SECTION 6
ELECTRICAL PARTS LIST

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

Ref. No.	Part No.	Description
		SEMICONDUCTORS
		Transistors
Q1	8-729-803-04	Ⓑ 2SC930
Q2	8-729-866-83	Ⓑ 2SC668
Q3, 4	8-729-803-04	Ⓑ 2SC930
⇒Q5–7	8-729-663-47	Ⓒ 2SC1364
⇒Q8, 9	8-729-100-13	Ⓑ 2SC2001
Q10	8-760-335-10	Ⓑ 2SC1474
⇒Q11, 12	8-729-663-47	Ⓒ 2SC1364
		IC
IC	8-759-110-18	Ⓔ μPC1018C
		Diodes
⇒D1	8-719-713-93	Ⓑ 1S2139C
D2, 3	8-719-026-11	Ⓐ 1T261
⇒D4	8-719-422-21	Ⓑ 1T22AM
D5, 6	8-719-026-11	Ⓐ 1T261
D7	8-719-991-14	Ⓑ SLP114B
D8, 9	8-719-112-11	Ⓐ VD1121
⇒D10	8-719-200-02	Ⓑ 10E2
D11	8-719-100-02	Ⓑ 1S2222
PUT	8-729-101-31	Ⓑ N13T1
		COILS
L3	1-405-738-00	Ⓑ FM OSC
L4	1-401-762-00	Ⓑ SW ANT
L5	1-405-843-00	Ⓑ SW OSC
L6, 13	1-401-763-00	Ⓓ Antenna, MW/LW ferrite-rod
L7	1-405-844-00	Ⓑ MW OSC
L8–10	1-407-163-XX	Ⓐ 33 μH, microinductor
L11	1-405-842-00	Ⓑ LW OSC
L12	1-407-181-XX	Ⓐ 1.8 μH, microinductor
L14	1-407-177-XX	Ⓐ 470 μH, microinductor
L15	1-408-030-11	Ⓐ 0.68 μH, microinductor

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

Ref. No.	Part No.	Description
		TRANSFORMERS
IFT1	1-403-828-00	Ⓓ AM IFT
IFT2	1-404-144-00	Ⓑ FM Discriminator
IFT3	1-403-953-00	Ⓑ FM Discriminator
IFT4	1-404-100-00	Ⓑ AM IFT
T1	1-423-159-XX	Ⓓ Driver
T2	1-427-439-00	Ⓓ Output
		CAPACITORS

All capacitors are in μF and ceramic unless otherwise noted.
50 WV or less are not indicated except for electrolytics.
p : μμF, elect : electrolytic

C1	1-161-180-00	Ⓐ 0.0039		semiconductor ceramic
C2	1-102-959-00	Ⓐ 22 p		
C3	1-102-074-00	Ⓐ 0.001		
C4	1-101-922-00	Ⓐ 0.0047		
C5	1-161-032-00	Ⓐ 0.01		semiconductor ceramic
C6	1-102-808-00	Ⓐ 6 p		
C7	1-121-352-00	Ⓐ 47	10 V	elect
C8	1-102-121-00	Ⓐ 0.0022		
C9	1-102-944-00	Ⓐ 7 p		
C10	1-102-724-00	Ⓐ 33 p		
C11	1-102-726-00	Ⓐ 39 p		
C12	1-102-937-00	Ⓐ 4 p		
C13	1-121-391-00	Ⓐ 1	50 V	elect
C14	1-161-032-00	Ⓐ 0.01		semiconductor ceramic
C15	1-102-074-00	Ⓐ 0.001		
C16, 17	1-161-032-00	Ⓐ 0.01		semiconductor ceramic
C18	1-102-943-00	Ⓐ 6 p		
C19	1-121-651-00	Ⓐ 10	16 V	elect
C20	1-102-945-00	Ⓐ 8 p		
C21	1-161-034-00	Ⓐ 0.022		semiconductor ceramic
C22	1-102-285-00	Ⓐ 10 p		

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

Ref. No.	Part No.	Description		
C23	1-161-032-00	Ⓐ 0.01		semiconductor ceramic
C24	1-161-030-00	Ⓐ 0.0047		semiconductor ceramic
C25	1-121-424-00	Ⓑ 470	6.3 V	elect
C26	1-161-034-00	Ⓐ 0.022		semiconductor ceramic
C27	1-123-295-00	Ⓐ 100	6.3 V	elect
C28	1-161-029-00	Ⓐ 3300 p		semiconductor ceramic
C29, 30	1-161-032-00	Ⓐ 0.01		semiconductor ceramic
C31	1-121-479-00	Ⓐ 22	16 V	elect
C32	1-121-391-00	Ⓐ 1	50 V	elect
C33	1-131-422-00	Ⓑ 3.3	6.3 V	tantalum
C34	1-161-031-00	Ⓐ 0.0068		semiconductor ceramic
C35	1-131-453-00	Ⓐ 0.22	16 V	tantalum
C36	1-161-034-00	Ⓐ 0.022		semiconductor ceramic
C37	1-121-391-00	Ⓐ 1	50 V	elect
C38	1-121-392-00	Ⓐ 3.3	25 V	elect
C39	1-123-295-00	Ⓐ 100	6.3 V	elect
C40	1-102-074-00	Ⓐ 0.001		
C41	1-161-034-00	Ⓐ 0.022		semiconductor ceramic
C42	1-121-424-00	Ⓑ 470	6.3 V	elect
C43	1-123-295-00	Ⓐ 100	6.3 V	elect
C44	1-161-025-00	Ⓐ 0.1		semiconductor ceramic
C45	1-121-424-00	Ⓑ 470	6.3 V	elect
C46	1-123-394-00	Ⓑ 470	25 V	elect
C48	1-161-030-00	Ⓐ 0.0047		semiconductor ceramic
C51	1-102-998-00	Ⓐ 5 p		
C52	1-161-035-00	Ⓐ 0.033		semiconductor ceramic
C53	1-101-888-00	Ⓐ 68 p		
C54	1-102-937-00	Ⓐ 4 p		
C56	1-131-347-00	Ⓑ 1	16 V	tantalum
C57	1-102-949-00	Ⓐ 12 p		
C58	1-161-032-00	Ⓐ 0.01		semiconductor ceramic
C59	1-107-262-00	Ⓑ 120 p		silvered mica
C60	1-161-032-00	Ⓐ 0.01		semiconductor ceramic
C61	1-101-924-00	Ⓐ 0.022		
C62	1-131-347-00	Ⓑ 1	16 V	tantalum
C63	1-102-119-00	Ⓐ 0.0015		
C64	1-102-973-00	Ⓐ 100 p		
C65	1-131-400-00	Ⓑ 0.047	16 V	tantalum
C66	1-161-032-00	Ⓐ 0.01		semiconductor ceramic
CT1–4, CV1–4	1-151-355-00	Ⓕ Tuning		
CT5–8	1-141-203-00	Ⓑ Trimmer		

RESISTORS

All resistors are in ohms. Common ¼ W carbon resistors are omitted. Refer to the list on page 10 for their part numbers.

R45	1-202-667-00	Ⓑ 8.2 M	½ W	composition
VR	1-226-402-00	Ⓑ 20 k-A, variable; VOLUME		

SWITCHES

S1	1-552-379-00	Ⓑ Pushbutton, POWER
S2	1-513-281-00	Ⓒ Slide, BAND SELECTOR
S3, 4	1-552-334-00	Ⓑ Slide, POWER SAVE, TONE
S5, 6	1-552-174-00	Ⓑ Pushbutton, TIMER SET, TIMER OFF

MISCELLANEOUS

ANT	1-501-182-00	Ⓖ Antenna, FM/SW telescopic
BF	1-403-997-00	Ⓑ Ceramic Filter
BPF	1-231-417-00	Ⓑ Band-pass Filter
CF1, 2	1-527-184-XX	Ⓑ Ceramic Filter, 10.7 MHz
CR1	1-231-202-00	Ⓐ Encapsulated Component
J1, 2	1-507-398-00	Ⓐ Jack, MPX, earphone
J3	1-507-459-00	Ⓑ Jack, DC IN 3 V
SP	1-502-717-00	Ⓒ Speaker

ACCESSORIES & PACKING MATERIALS

Part No.	Description
1-504-059-11	Ⓒ Earphone, ME-20H
3-880-122-00	Ⓑ Bag, protection
3-884-943-00	Ⓑ Cushion, right
3-884-944-00	Ⓑ Cushion, left
3-884-957-00	Ⓐ Spacer
3-884-959-00	Ⓒ Carton
3-995-812-11	Ⓑ Manual, instruction