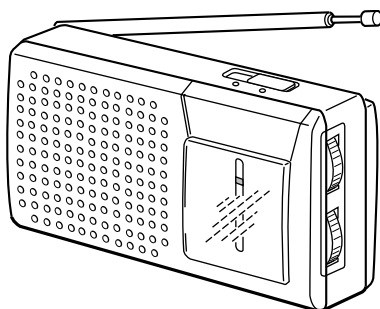




SERVICE MANUAL

RADIO RECEIVER

This Service Manual is the "Revision Publishing" and replaces "Simple Manual" (S/M Code No.09-997-333-5T1).

SPECIFICATIONS

Frequency range	FM: 87.5-108 MHz AM: 530-1,605 kHz
Maximum output	160 mV (EIAJ 4Ω)
Power source	DC 3 V using two R6 (size AA) batteries
Speaker	Diameter 57 mm, 4 Z
Maximum dimensions	115.5 (W) x 69 (H) x 30 (D) mm
Weight	Approx. 138 g, (excluding batteries)

ACCESSORIES LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

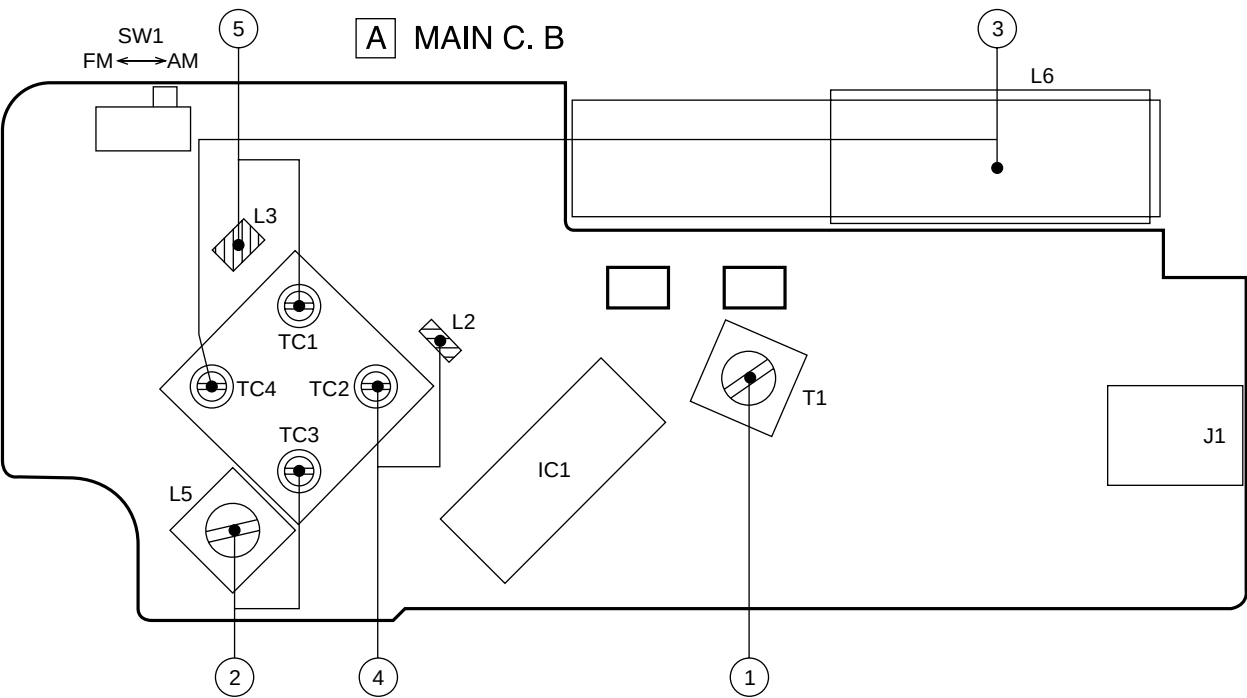
REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S0-302-931-000		INSTRUCTION BOOK YH/YJ(ECC)
2	S0-100-050-000		HAND STRAP(BLK)
3	S2-712-100-128		EARPHONE PLUG 3.5MM MONO

ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

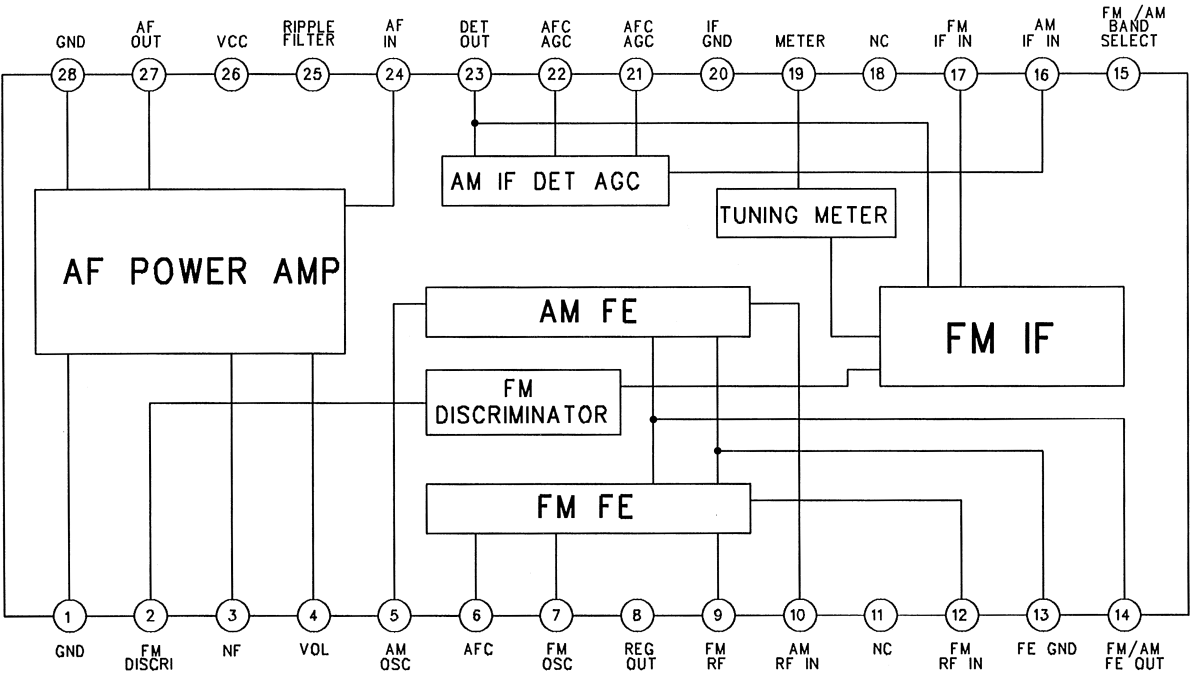
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC	S4-316-190-000	IC, CXA1619AM		CF2	87-008-462-010		CER, FIL SFT10.7MS23H-A
				CF3	S2-310-010-100		DISCRMINATOR FILTER 10.7MHZ
				J1	S1-210-015-301		JACK, HP 3.5MM
				L1	S1-110-013-900		COIL, AIR FM 3-5.5-0.5
DIODE	82-135-799-010	DIODE, 1N4148		L4	87-003-108-010		COIL, 0.68UH
				L5	S1-110-013-200		COIL, OSC AM 8441A 7Z0-93100
				L6	S1-135-100-000		COIL, 1.5UH
				L7	S1-010-012-400		AM BAR ANTENNA SET 10-50
MAIN C.B	82-135-799-010	DIODE, 1N4148		LED1	S5-570-100-100		LED, 3.0MM (RED)
				PVC1	S2-010-011-000		PVC 16.2-16.2-7.5
				SW1	S3-101-001-100		SW, SLIDE SKA-12D01S-G2-NA
				T1	S1-010-012-000		IFT, AM 7.5-7.5-12.5
	C5	87-016-299-080	CAP, E 10-10V		VOL1	S2-110-010-202	VOL, ROTARY RV121S-10-012J-B50K
	C12	87-010-403-080	CAP, E 3.3-50V				
	C14	87-016-299-080	CAP, E 10-10V				
	C15	87-010-404-080	CAP, E 4.7UF-50V				
	C16	87-016-299-080	CAP, E 10-10V				
	C18	87-010-400-080	CAP, E 0.47UF-50V				
	C19	87-016-299-080	CAP, E 10-10V				
	C21	87-010-221-080	CAP, E 470UF-10V				
	C23	87-010-562-040	CAP, E 220UF-10V				
	CF1	S1-910-010-300	CER, FIL 450K				

ADJUSTMENT



IC BLOCK DIAGRAM

IC, CXA1619AM



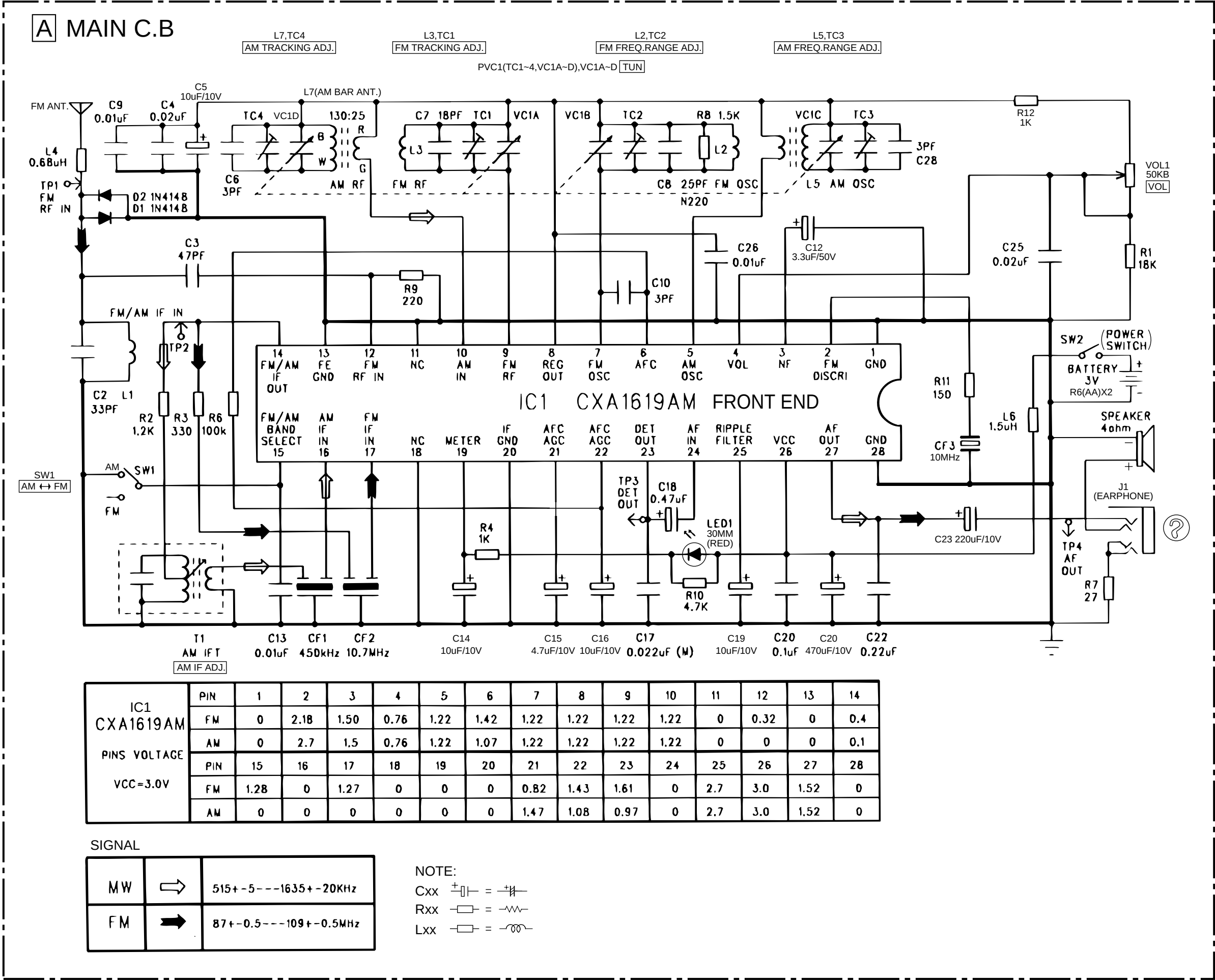
PRACTICAL SERVICE FIGURE

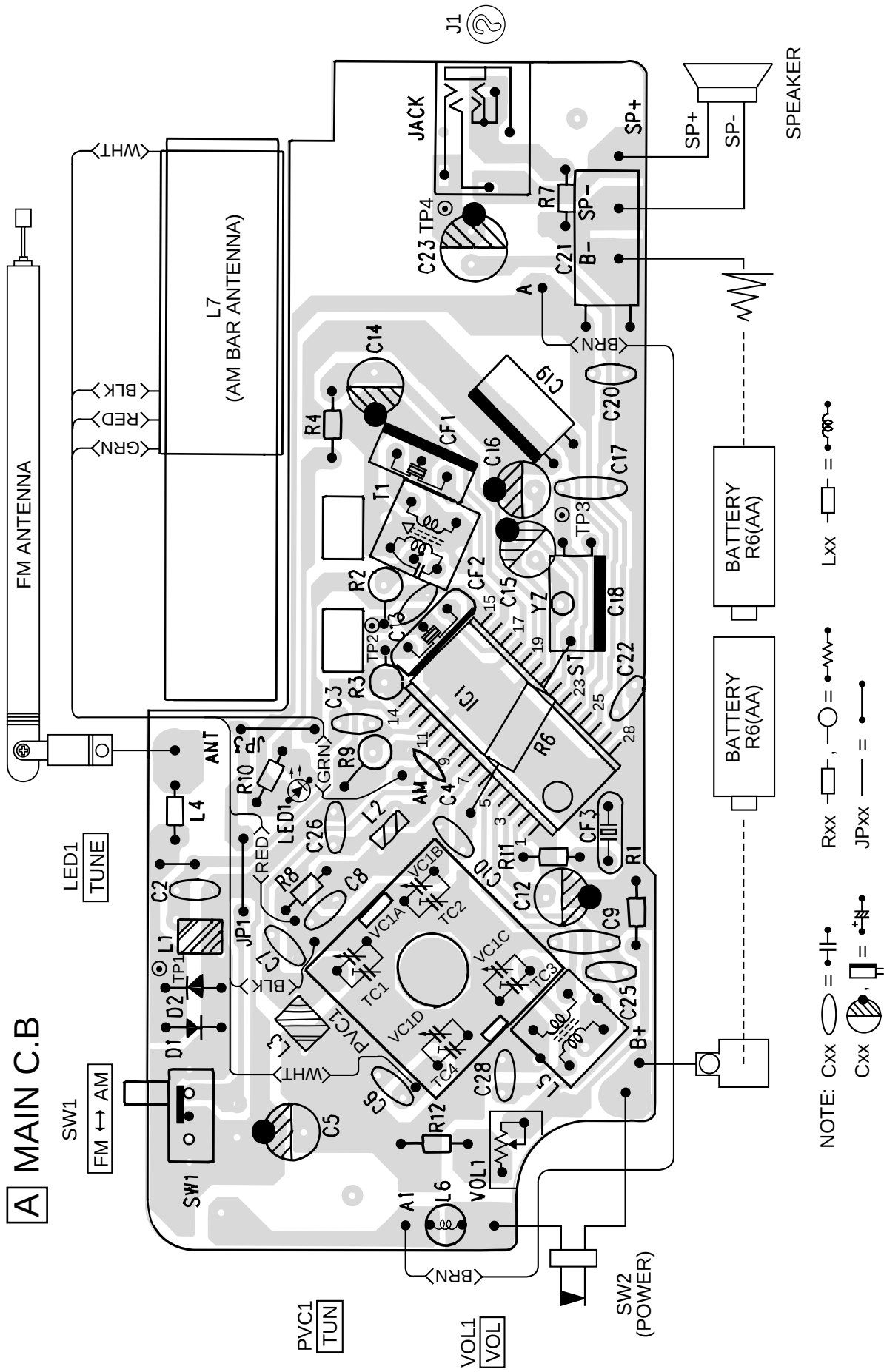
- 1. AM IF Adjustment
T1 450 kHz
- 2. AM Freq. Range Adjustment
L5 515 kHz
TC3 1635 kHz
- 3. AM Tracking Adjustment
L6 600 kHz
TC4 1400 kHz
- 4. FM Freq. Range Adjustment
L2 87 MHz
TC2 109 MHz
- 5. FM Tracking Adjustment
L3 90 MHz
TC1 108 MHz

Sensitivity:
FM(IHF, THD 3%) Less than 16 dB
 (at 88, 98, 108 MHz)

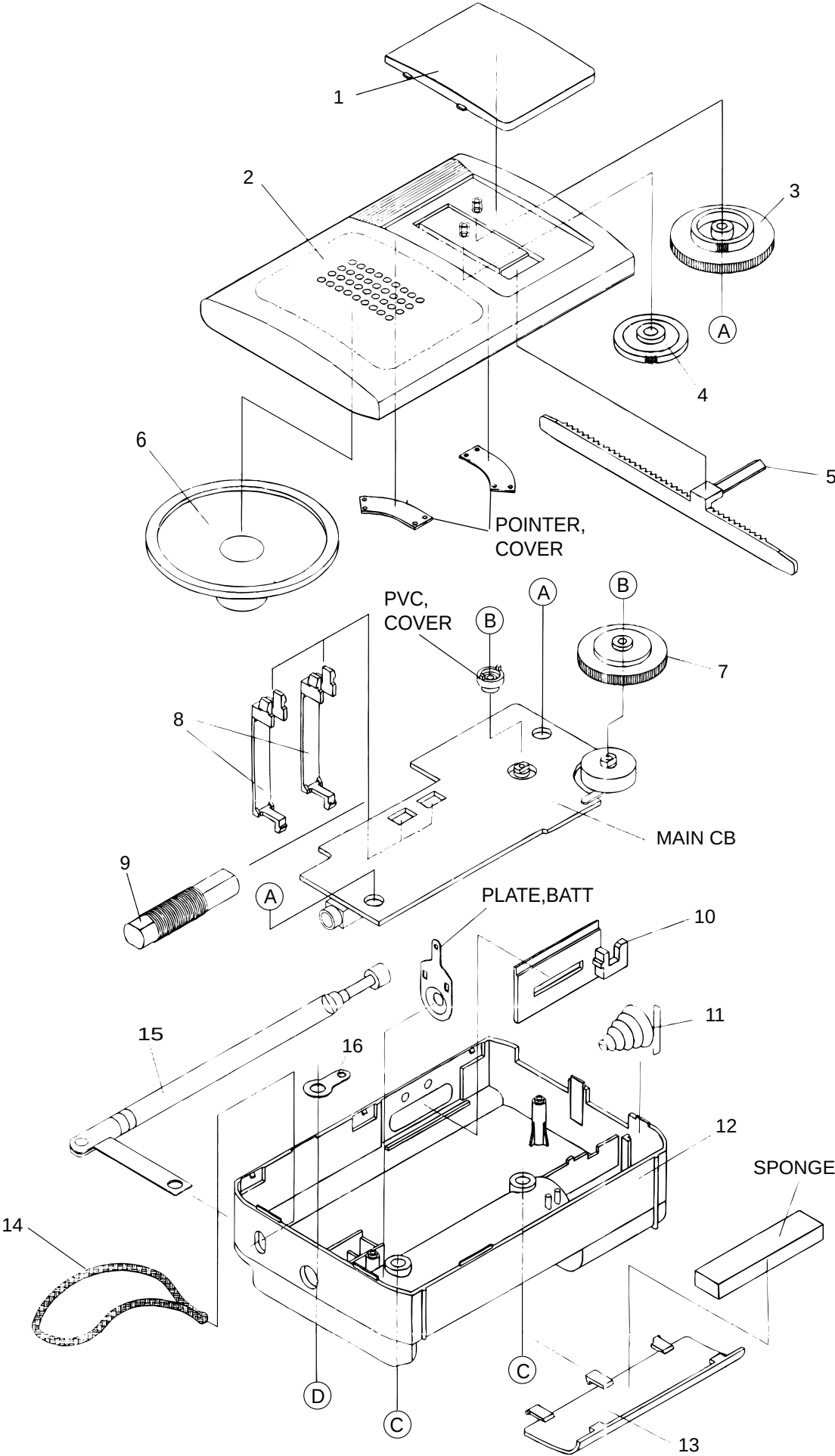
AM (S/N 10 dB) Less than 51 dB (at 600 kHz)
 Less than 47 dB (at 1000 kHz)
 Less than 46 dB (at 1400 kHz)

Intermediate Frequency:
FM: 10.7 MHz
AM: 450 kHz





MECHANICAL EXPLODED VIEW 1/1



MECHANICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S0-801-180-100		LENS, DIAL
2	S0-101-460-100		CAB, FRONT
3	S0-503-380-000		KNOB, RTRY TUN
4	S1-700-780-000		GEAR, TUNING ABS
5	S0-700-420-000		POINTER
6	S1-010-020-000		SLIM MYLAR SKR 57MM 0.2W 40HM
7	S0-503-360-000		KNOB, RTRY VOL
8	S0-901-160-000		HOLDER, BAR PE
9	S1-010-012-400		AM BAR ANTENNA SET 10-50
10	S0-503-370-000		KNOB, SL BAND
11	S0-201-870-000		BATT CONTACT(-)
12	S0-201-450-100		CAB, REAR
13	S0-301-440-000		DOOR, BATT
14	S0-100-050-000		HAND STRAP(BLK)
15	S2-010-012-301		FM ROD ANT 5 SECTION
A	87-254-033-410		PAN-WASHER S-SCREW M2-4(T)
B	87-268-527-310		PAN M-SCREW M1.7-3
C	87-261-073-410		PAN S-SCREW(B) M2.6-6

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		



サービス技術ニュース	
番号	連絡内容
Gーー	
Gーー	
Gーー	

アイワ株式会社 〒110 東京都台東区池之端1-2-11 ☎03（3827）3111（代表）
AIWA CO.,LTD. 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03 (3827) 3111