

8-Transistor 2-Band Radio Model SR-H107

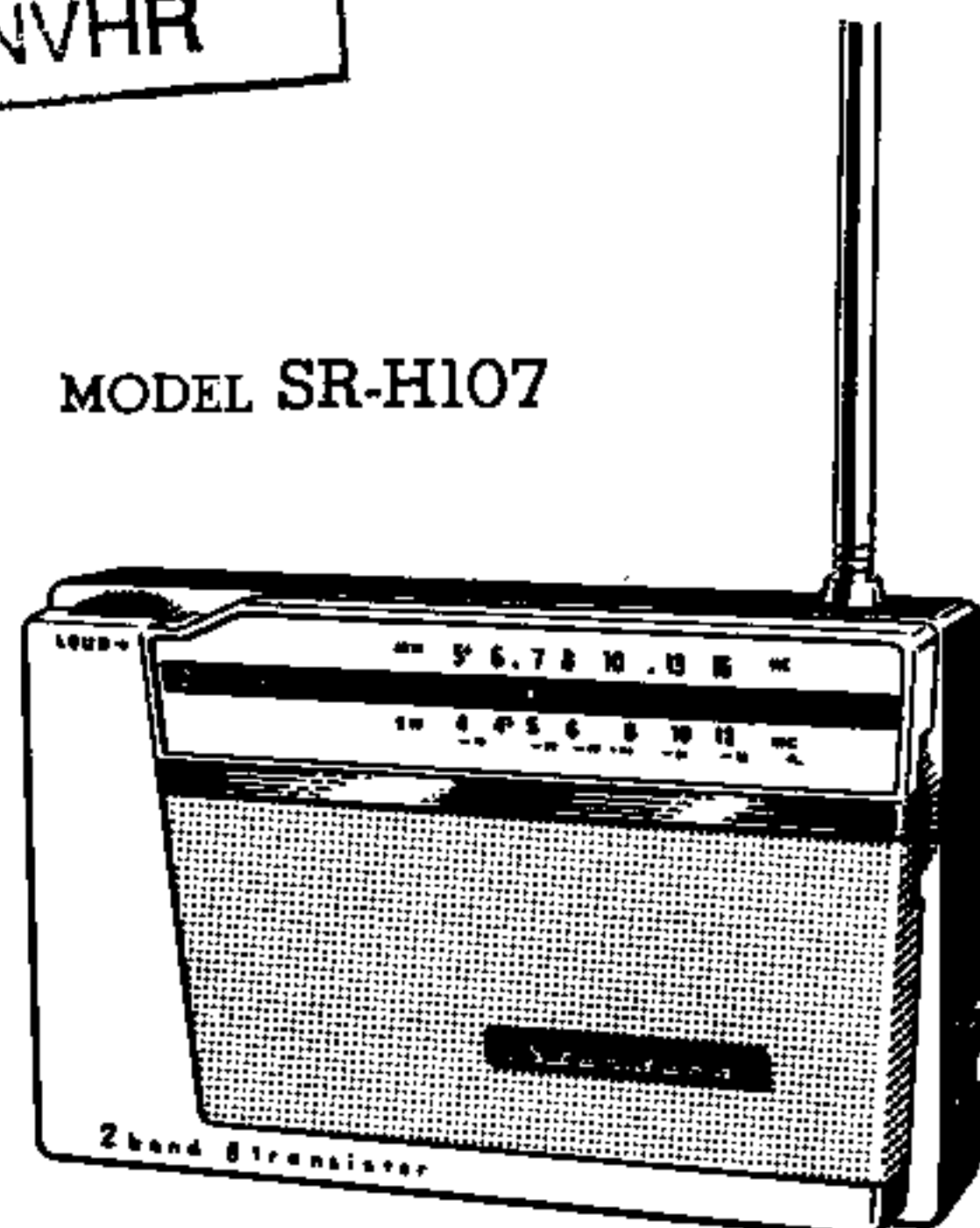
SERVICE DATA

No. 16 — Apr. 1961 —

STANDARD RADIO CORPORATION

No. 11, 1-chome, Kibisu-Minami, Shibuya-ku, Tokyo, Japan

MODEL SR-H107



SPECIFICATIONS

TUNING RANGES

Standard Broadcast (MW) 540~1600KC

Short wave Broadcast (SW) 3.9~12MC

INTERMEDIATE FREQUENCY..... 455KC

SEMI-CONDUCTOR COMPLEMENT

Transistor 2SA103 (Q1) Converter

Transistor 2SA31 (Q3) 1st I-F Amplifier

Transistor 2SA112 (Q4) 2nd I-F Amplifier

Transistor 2SB32 (Q6) 1st Audio Amplifier

Transistor 2SB32 (Q7) 2nd Audio Amplifier

Transistor 2SB32 (Q8) Audio Driver

Transistor 2SB33 (Q9,10) Push-pull Output

Varister KV-2 (Q11) Temperature Compensator

Ge. Diode 1N34A (Q2) AGC Compensator

Ge. Diode 1N34A (Q5) 2nd Det. AGC

Ge. Diode 1N34A (Q12) Osc. Regulator

POWER OUTPUT

Undistorted..... 120 milli watts

Maximum..... 180 milli watts

LOUD SPEAKER

Size and Type..... 6.5 cm (2½") P.M.

Voice Coil Impedance (at 800 cycles) 8 ohms

ANTENNA

Ferrite Rod ant. ; Diameter 10 mm (1¾")

Length..... 140 mm (5½")

Telescopic Rod ant. ; Length (overall) 900 mm (35½")

DIMENSIONS

Width..... 160 mm (6⅝") Height..... 103 mm (4⅛")

Depth 33 mm (1⅝")

WEIGHT..... 560 gr. (1.23 lbs) incl. batteries

BATTERY

Four penlight cells

(EVEREADY No. 915 or Equivalent) 1½ volts each

Current Consumption (no signal)..... Approx. 12 milli amperes

DESCRIPTION

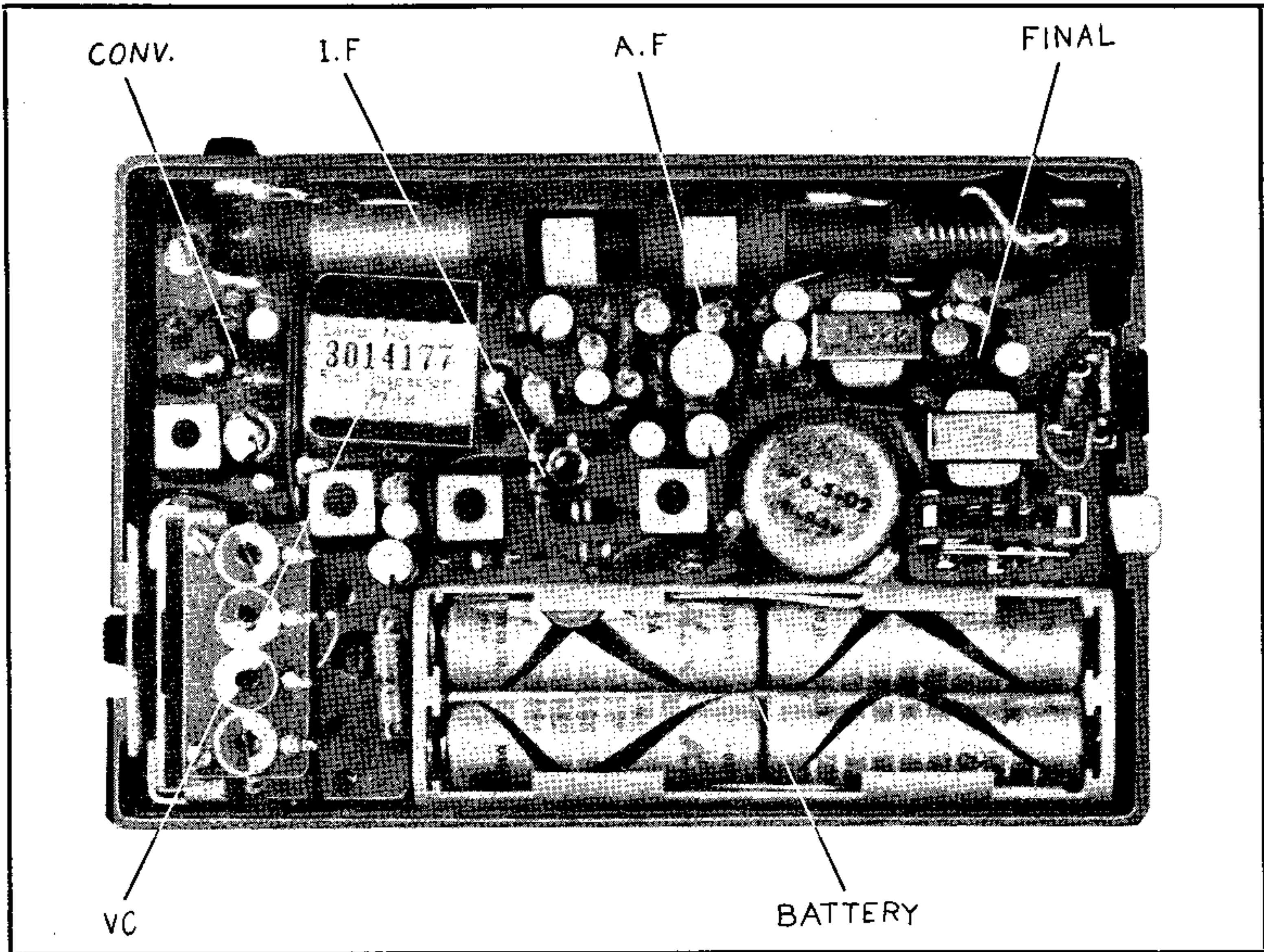
STANDARD Model SR-H107 is a 8-transistor, 2-band radio of flat type, as thin as a book, so handy to carry around, which appearance is so smartly designed as to fully meet with moderners' fondness.

In this radio are used 12 pieces in all of semi-conductor including 1 varister and 3 germanium diodes. And the separation of the

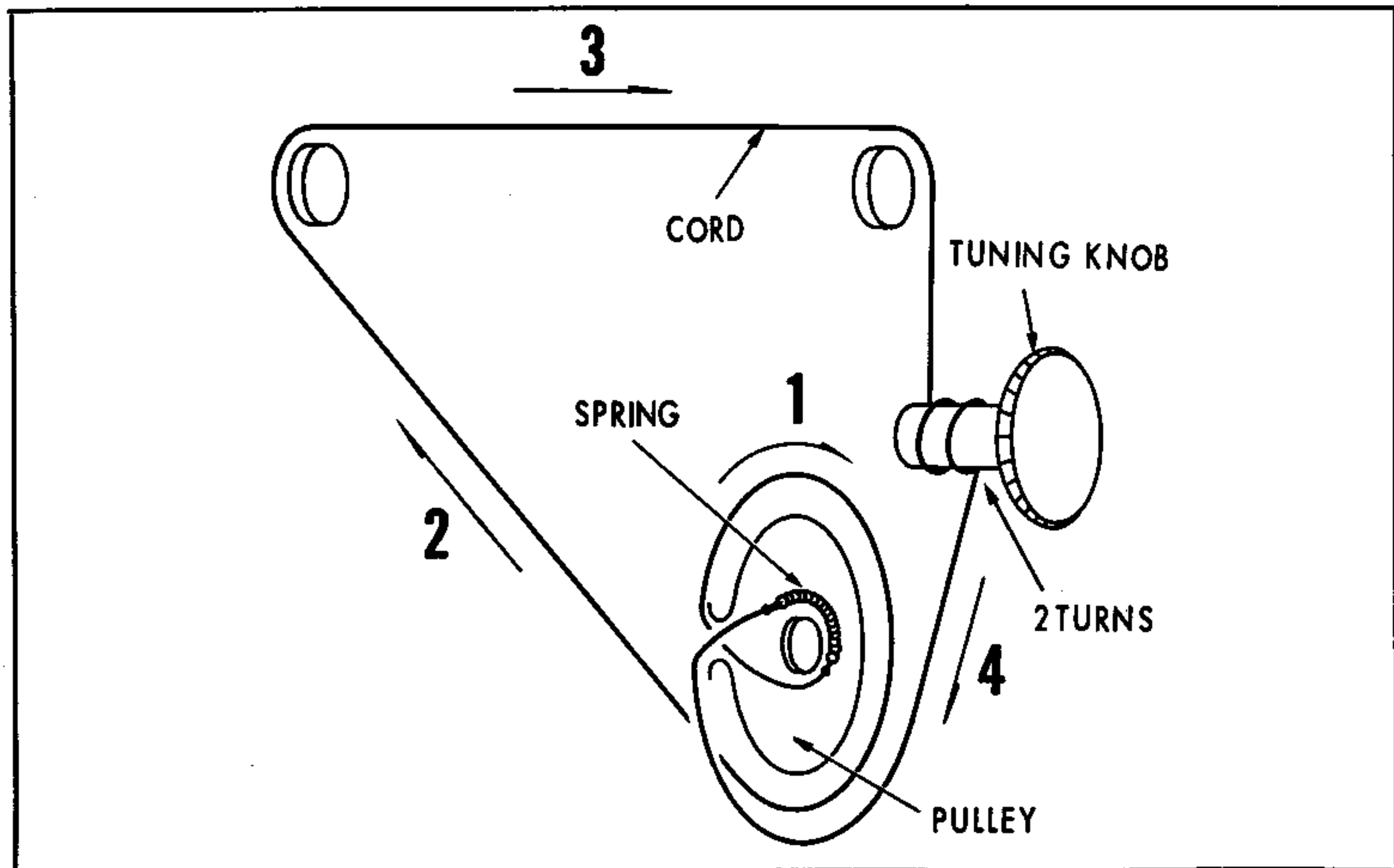
volume control from the power switch, with the adoption of a push button, gives this model a great merit of quick start of operation.

Furthermore, unsurpassed high and stable sensitivity will be guaranteed with the most advanced drift-type transistors used in frequency conversion and intermediate frequency amplification which are the most important part of the circuit of this radio.

BACK VIEW



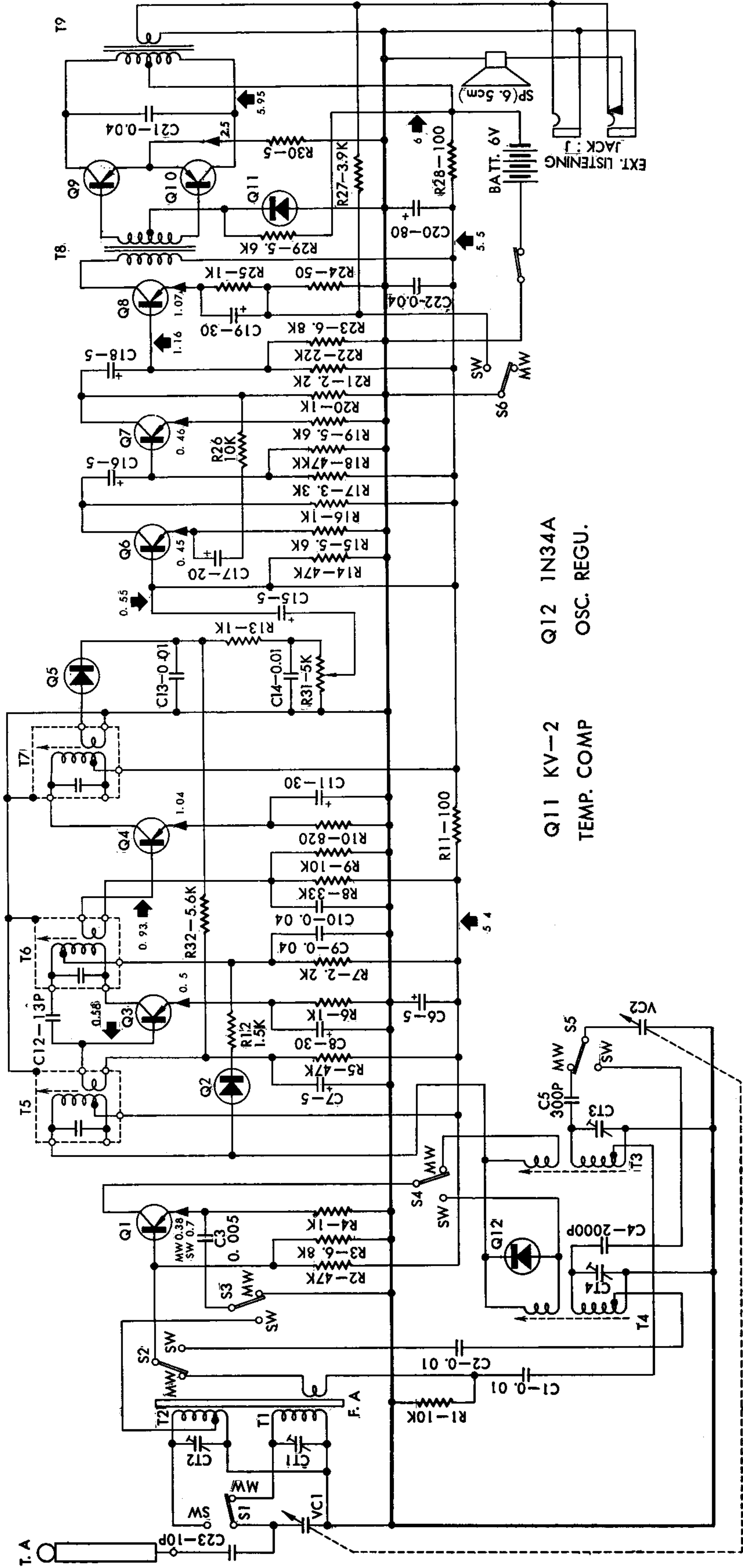
DIAL DRIVE CORD ASSEMBLY



SCHEMATIC DIAGRAM

Q1 2SA103 CONV. **Q2 1N34A AGC COMP.** **Q3 2SA31 IFA-1** **Q4 2SA112 IFA-2** **Q5 1N34A DET.** **Q6 2SB32 AFA-1** **Q7 2SB32 AFA-2** **Q8 2SB32 DRIVER** **Q9,10 2SB33x2 OUTPUT**

SR-H107



REPLACEMENT PARTS

Symbol No.	Stock No.	DESCRIPTION
RESISTORS		
R1	RC-5Y10K	Fixed, Carbon, 10K Ω , 1/2W, $\pm 10\%$
R2	RC-5Y47K	Fixed, Carbon, 47K Ω , 1/2W, $\pm 10\%$
R3	RC-5Y6.8K	Fixed, Carbon, 6.8K Ω , 1/2W, $\pm 10\%$
R4	RC-5Y1K	Fixed, Carbon, 1K Ω , 1/2W, $\pm 10\%$
R5	Same as R2	
R6	Same as R4	
R7	RC-5Y2.2K	Fixed, Carbon, 2.2K Ω , 1/2W, $\pm 10\%$
R8	RC-5Y33K	Fixed, Carbon, 33K Ω , 1/2W, $\pm 10\%$
R9	Same as R1	
R10	RC-5Y820	Fixed, Carbon, 820 Ω , 1/2W, $\pm 10\%$
R11	RC-5Y100	Fixed, Carbon, 100 Ω , 1/2W, $\pm 10\%$
R12	RC-5Y1.5K	Fixed, Carbon, 1.5K Ω , 1/2W, $\pm 10\%$
R13	Same as R4	
R14	Same as R2	
R15	RC-5Y5.6K	Fixed, Carbon, 5.6K Ω , 1/2W, $\pm 10\%$
R16	Same as R4	
R17	RC-5Y3.3K	Fixed, Carbon, 3.3K Ω , 1/2W, $\pm 10\%$
R18	Same as R2	
R19	Same as R15	
R20	Same as R4	
R21	Same as R7	
R22	RC-5Y22K	Fixed, Carbon, 22K Ω , 1/2W, $\pm 10\%$
R23	Same as R3	
R24	RC-5Y50	Fixed, Carbon, 50 Ω , 1/2W, $\pm 10\%$
R25	Same as R4	
R26	Same as R1	
R27	RC-5Y3.9K	Fixed, Carbon, 3.9K Ω , 1/2W, $\pm 10\%$
R28	Same as R11	
R29	Same as R15	
R30	RD-229B	Fixed, Wirewound, 5 Ω
R31	RD-146K	Variable, 5K Ω
R32	Same as R15	
CAPACITORS		
C1	CKD.01P	Fixed, Ceramic, 0.01 μ F
C2	Same as C1	
C3	CKD.005P	Fixed, Ceramic, 0.005 μ F
C4	CFX.002AW	Fixed, Plasticfilm, 2000PF
C5	CFX300AW	Fixed, Plasticfilm, 300PF
C6	CEX5B6	Electrolytic, 5 μ F, 6WV
C7	Same as C6	
C8	CES30C3	Electrolytic, 30 μ F, 3WV
C9	CKD.04C	Fixed, Ceramic, 0.04 μ F
C10	Same as C9	
C11	Same as C8	
C12	CCX10AF CCX3AF	Fixed, Ceramic, 10PF) Fixed, Ceramic, 3PF) in parallel
C13	CKD.01A	Fixed, Ceramic, 0.01 μ F
C14	Same as C13	
C15	Same as C6	
C16	Same as C6	
C17	CES20C10	Electrolytic, 20 μ F, 10WV
C18	Same as C6	
C19	Same as C8	
C20	CES80B6	Electrolytic, 80 μ F, 6WV
C21	Same as C9	

Symbol No.	Stock No.	DESCRIPTION
C22	Same as C9	
C23	CCD10AF	Fixed, Ceramic, 10PF
TRANSFORMERS		
T1	LT-164A	Tuning transformer, MW pt. of LT-164K
T2	LT-164B	Tuning transformer, SW, pt. of LT-164K
T3	LT-262	Oscillator transformer, —MW—
T4	LT-245	Oscillator transformer, —SW—
T5	LT-324	First I-F transformer
T6	LT-321	Second I-F transformer
T7	LT-322	Third I-F transformer
T8	LT-522	Driver transformer
T9	LT-459	Output transformer
SEMI-CONDUCTORS		
Q1	2SA103	Transistor, P-N-P
Q2	1N34A	Germanium Diode
Q3	2SA31	Transistor, P-N-P
Q4	2SA112	Transistor, P-N-P
Q5	1N34A	Germanium Diode
Q6	2SB32	Transistor, P-N-P
Q7	2SB32	Transistor, P-N-P
Q8	2SB32	Transistor, P-N-P
Q9,10	2SB33	Transistor, P-N-P
Q11	KV-2	Varister
Q12	1N34A	Germanium Diode
MISCELLANEOUS		
S	SD-121B	Power Switch-Push Button Type
S1~6	SD-111B	Function Switch-Slide Type
SP	SP6.5-02	Loud Speaker, 6.5 cm (2 1/2") P.M.
J	C03-02	Ext. listening jack
T.A	136C09	Telescopic rod antenna
F.A	MD-2158	Ferrite core, part of LT-164K
	136B01	Case-polystyrene molded case
	136B03	Knob-tuning knob
	136B04	Knob-function switch knob
	136D01	Band indicator
	136D08	Battery case
	134C08	Battery contact (+)
	134C09	Battery contact, Helical spring (-)
	114C04	Retainer-speaker retainer
	126C09	Spring-dial cord tension spring
	A01-01	Screw-for retain the case lid
	C01-11	Support-case lid support
	C02-01	Washer—"C" type washer for A01-01
	D02-02	Cord-Nylon cord for dial drive