

STANDARD

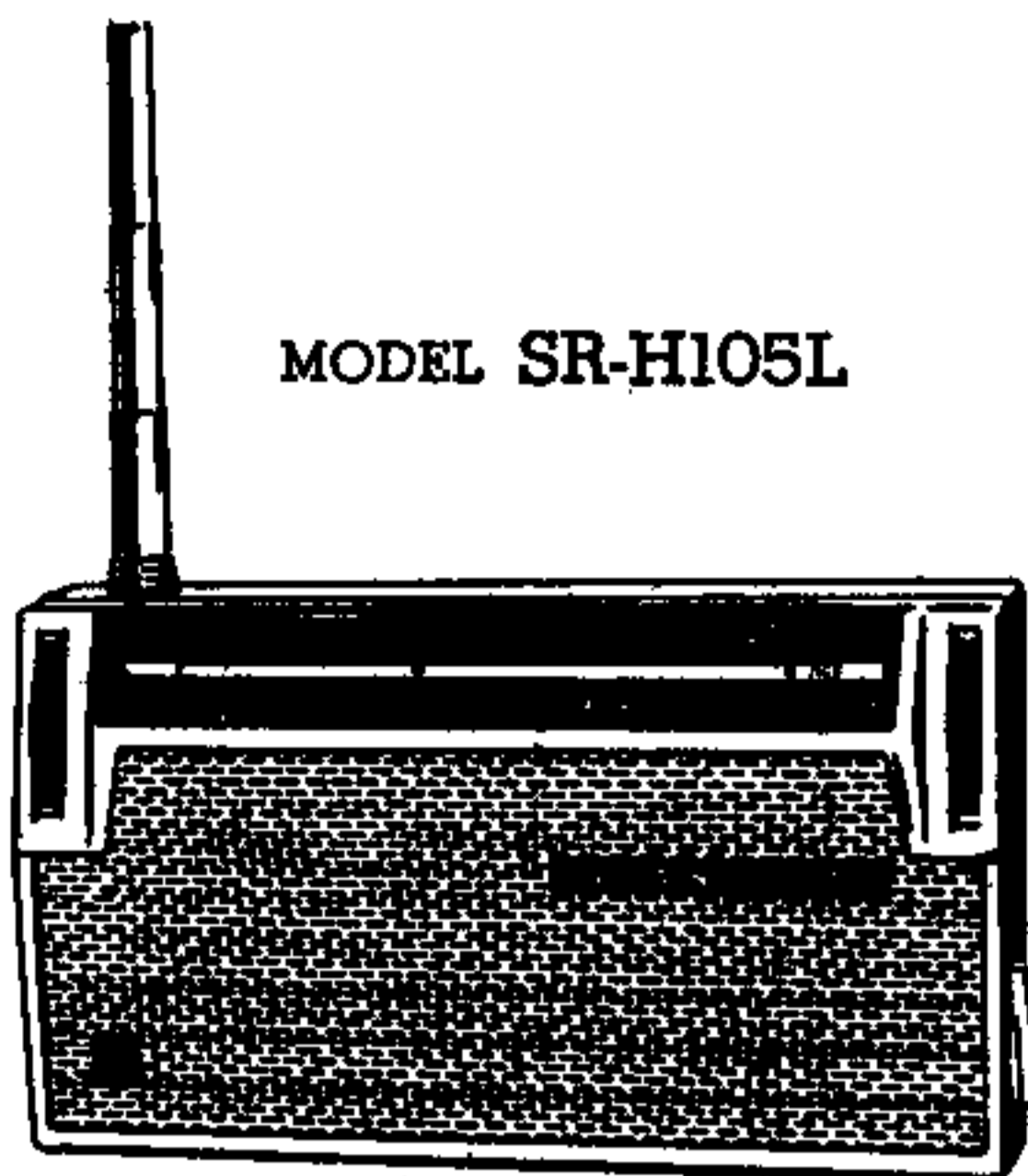
8-Transistor 3-Band Radio
Model SR-H105L

SERVICE DATA

No. 19 -Apr. 1961-

STANDARD RADIO CORPORATION

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



MODEL SR-H105L

This is a revised edition to be attached to the old Service Date No. 4

SPECIFICATIONS

TUNING RANGES

Standard Broadcast (MW) 540~1600KC
Long Wave Broadcast (LW) 150~370KC
Short wave Broadcast (SW) 4.6~12MC

INTERMEDIATE FREQUENCY..... 455KC

SEMI-CONDUCTOR COMPLEMENT

Transistor 2SA102 (Q1) Mix.
Transistor 2SA101 (Q2) 1st I-F Amplifier
Transistor 2SA101 (Q3) 2nd I-F Amplifier
Transistor 2SB175 (Q5) 1st Audio Amplifier
Transistor 2SB175 (Q6) Audio Driver
Transistor 2SB172 (Q7,8) Push-pull Output
Transistor 2SA102 (Q9) Osc.
Ge. Diode OA70 (Q4) 2nd Det., A.G.C.
Thermistor S-250 (Q10) Temperature Compensator

POWER OUTPUT

Undistorted..... 80 milli watts
Maximum..... 130 milli watts

LOUD SPEAKER

Size and Type 8 cm (3") P.M.
Voice coil Impedance (at 800 cycles)..... 8 ohms

ANTENNA

Ferrite Rod Ant. ; Diameter.....10 mm (1 1/2")
Length 140 mm (5 1/2")
Telescopic Rod Ant. ; Length 93 cm (36 3/8")

DIMENSIONS

Width.....192 mm (7 1/2") Height..... 111 mm (4 3/8")
Depth..... 45 mm (1 3/4")

WEIGHT.....750 gr. (1.65 lbs) incl. batt.

BATTERY

Four penlight cells
(EVEREADY No. 915 or Equivalent)1 1/2 volts each
Current Consumption(no signal) Approx. 12 milli amperes

DESCRIPTION

STANDARD Model SR-H105L, 8-transistor radio, works for long, medium, and short wave receptions, being equipped with a large tuning dial to facilitate exceedingly easy tuning. The built-in antenna wound in Ferrite core for 3 waves bands and the built-in antenna of 36 3/8" long afford large S/N and image ratios eradicating noise and image disturbances.

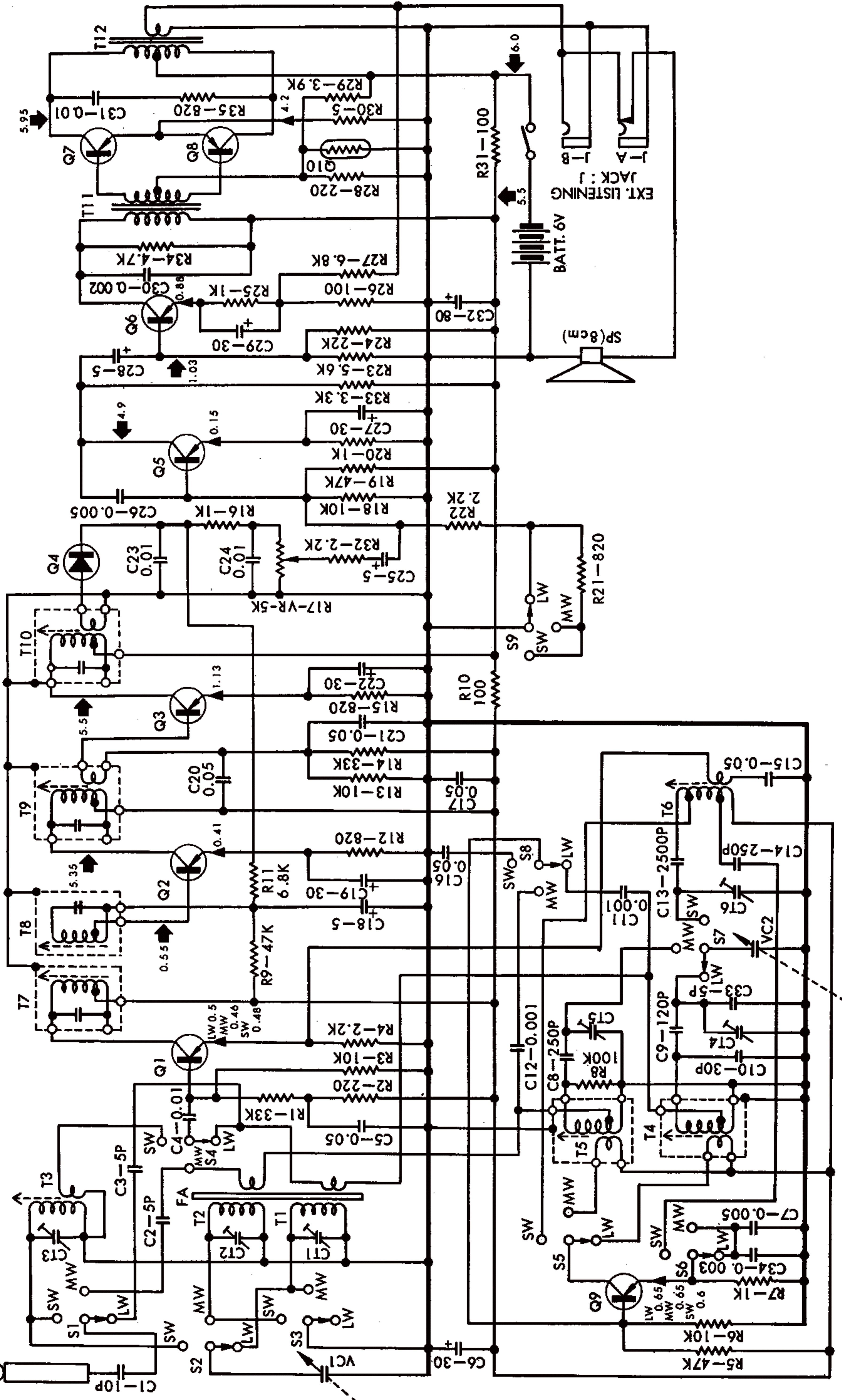
This radio is further equipped with a double-tuned intermediate

frequency converter which bears high Q in it in order to provide a sharp selectivity and to eliminate all noises, whistling and other interferences, resulting in easy and well stabilized radio receptions.

For further stabilization of radio reception, a separate converter system has been adopted using 2 drift type transistors. It functions very sensitively and equilaterally even in high frequencies.

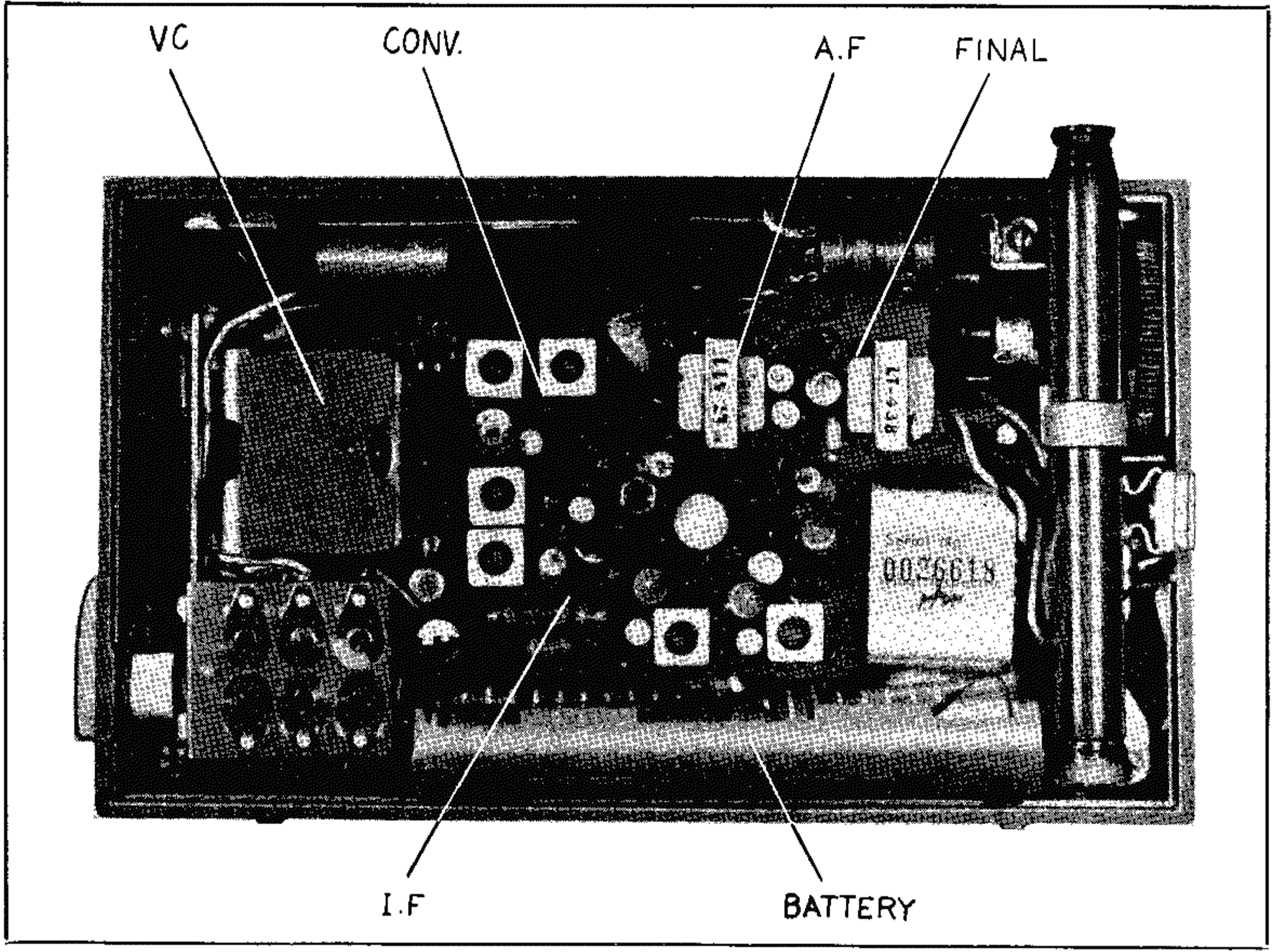
SCHEMATIC DIAGRAM

Q1 2SA102 Q2 2SA101 Q3 2SA101 Q4 0A70 Q5 2SB175 Q6 2SB175 Q7, 8 2SB172X2 Q9 2SA102 Q10 S-250
 TA MIX. IFA-1 IFA-2 DET. AFA-1 AFA-2 OUTPUT OSC. TEMP. COMP.

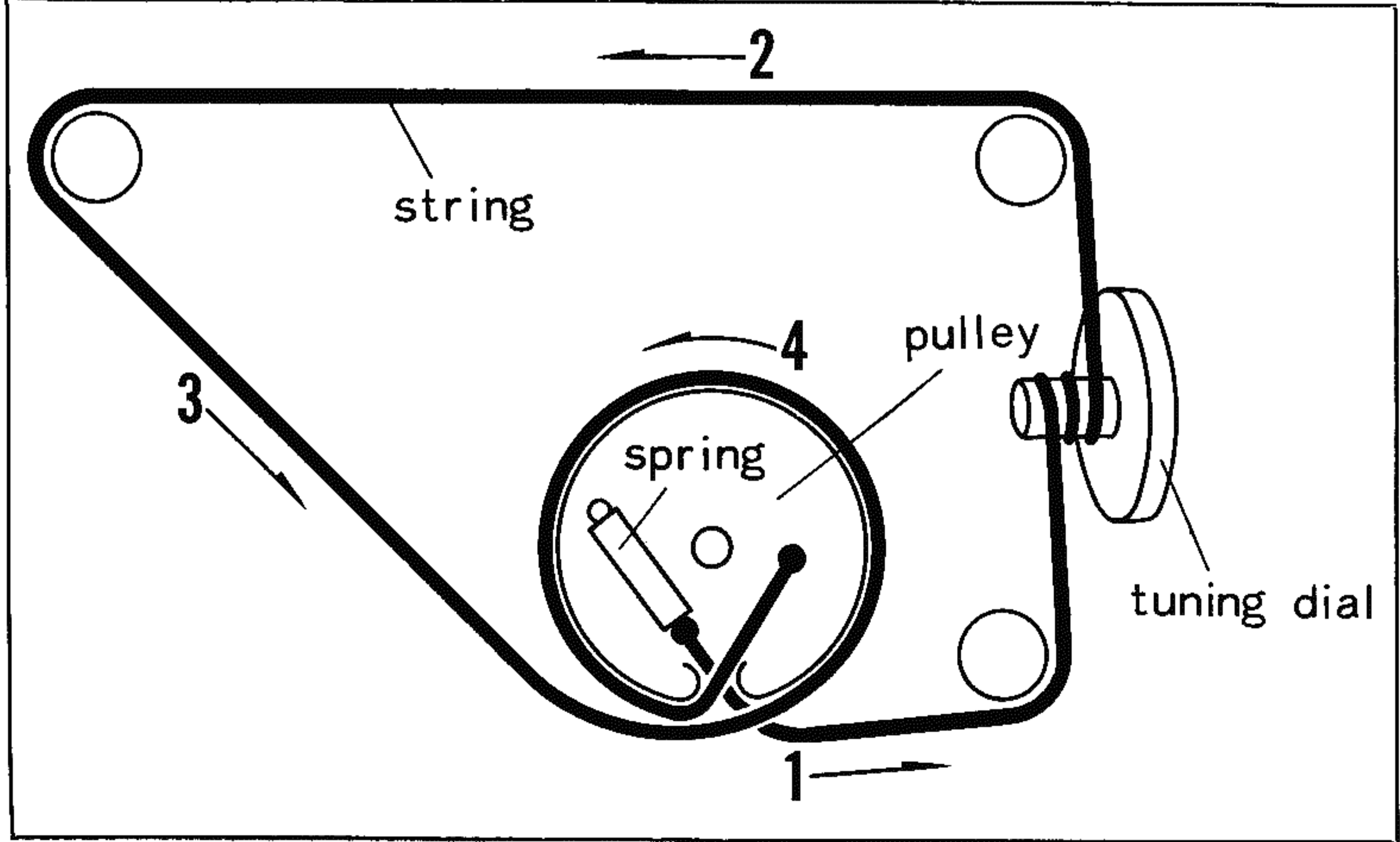


SR-H105L

BACK VIEW



DIAL DRIVE CORD ASSEMBLY



REPLACEMENT PARTS

Symbol No.	Stock No.	DESCRIPTION
RESISTORS		
R1	RC-5Y33K	Fixed, Carbon, 33K Ω , 1/2W, $\pm 10\%$
R2	RC-5Z220	Fixed, Carbon, 220 Ω , 1/2W, $\pm 20\%$
R3	RC-5Y10K	Fixed, Carbon, 10K Ω , 1/2W, $\pm 10\%$
R4	RC-5Y2.2K	Fixed, Carbon, 2.2K Ω , 1/2W, $\pm 10\%$
R5	RC-5Y47K	Fixed, Carbon, 47K Ω , 1/2W, $\pm 10\%$
R6	Same as R3	
R7	RC-5Y1K	Fixed, Carbon, 1K Ω , 1/2W, $\pm 10\%$
R8	RC-5Y100K	Fixed, Carbon, 100K Ω , 1/2W, $\pm 10\%$
R9	Same as R5	
R10	RC-5Y100	Fixed, Carbon, 100 Ω , 1/2W, $\pm 10\%$
R11	RC-5Y6.8K	Fixed, Carbon, 6.8K Ω , 1/2W, $\pm 10\%$
R12	RC-5Y820	Fixed, Carbon, 820 Ω , 1/2W, $\pm 10\%$
R13	Same as R3	
R14	Same as R1	
R15	Same as R12	
R16	Same as R7	
R17	RD-117	Variable, 5K Ω
R18	Same as R3	
R19	Same as R5	
R20	Same as R7	
R21	Same as R12	
R22	Same as R4	
R23	RC-5Y5.6K	Fixed, Carbon, 5.6K Ω , 1/2W, $\pm 10\%$
R24	RC-5Y22K	Fixed, Carbon, 22K Ω , 1/2W, $\pm 10\%$
R25	Same as R7	
R26	Same as R10	
R27	Same as R11	
R28	RC-5Y220	Fixed, Carbon, 220 Ω , 1/2W, $\pm 10\%$
R29	RC-5Y3.9K	Fixed, Carbon, 3.9K Ω , 1/2W, $\pm 10\%$
R30	RD-229B	Fixed, Wirewound, 5 Ω
R31	Same as R10	
R32	RC-4Y2.2K	Fixed, Carbon, 2.2K Ω , 1/4W, $\pm 10\%$
R33	RC-5Y3.3K	Fixed, Carbon, 3.3K Ω , 1/2W, $\pm 10\%$
R34	RC-4Y4.7K	Fixed, Carbon, 4.7K Ω , 1/4W, $\pm 10\%$
R35	Same as R12	
CAPACITORS		
C1	CCD10AF	Fixed, Ceramic, 10PF
C2	CCD5AF	Fixed, Ceramic, 5PF
C3	Same as C2	
C4	CFX.01AZ	Fixed, Milerfilm, 0.01 μ F
C5	CKD.05A	Fixed, Ceramic, 0.05 μ F
C6	CEX30A6	Electrolytic, 30 μ F, 6WV
C7	CKD.005P	Fixed, Ceramic, 0.005 μ F
C8	CEX250AW	Fixed, Plasticfilm, 250PF
C9	CCX120AW	Fixed, Ceramic, 120PF
C10	CCD30AY	Fixed, Ceramic, 30PF
C11	CKD.001A	Fixed, Ceramic, 0.001 μ F
C12	Same as C11	
C13	CFX.0025AW	Fixed, Plasticfilm, 2500PF
C14	Same as C8	
C15	Same as C5	
C16	CFS.05AZ	Fixed, Milerfilm, 0.05 μ F
C17	Same as C16	
C18	CEX5A6	Electrolytic, 5 μ F, 6WV
C19	CEX30A3	Electrolytic, 30 μ F, 3WV

Symbol No.	Stock No.	DESCRIPTION
C20	Same as C5	
C21	Same as C16	
C22	Same as C19	
C23	CKD.01A	Fixed, Ceramic, 0.01 μ F
C24	Same as C23	
C25	Same as C18	
C26	CKD.005A	Fixed, Ceramic, 0.005 μ F
C27	Same as C19	
C28	Same as C18	
C29	Same as C19	
C30	CKD.002A	Fixed, Ceramic, 0.002 μ F
C31	CSX.01A	Fixed, Paper, 0.01 μ F
C32	CES80B6	Electrolytic, 80 μ F, 6WV
C33	Same as C2	
C34	CKD.003P	Fixed, Ceramic, 0.003 μ F
CT1~6	CD-153	Six Elements Capacity-Trimner
VC1,2	CD-134	Variable tuning capacitor,
TRANSFORMERS		
T1	LT-179B	Tuning transformer LW of LT-179K
T2	LT-179A	Tuning transformer MW of LT-179K
T3	LT-180	Tuning transformer SW
T4	LT-239	Oscillator transformer —LW—
T5	LT-216	Oscillator transformer —MW—
T6	LT-254	Oscillator transformer —SW—
T7	LT-338A	First I-F transformer
T8	LT-338B	First I-F transformer
T9	LT-321	Second I-F transformer
T10	LT-322	Third I-F transformer
T11	LT-511	Driver transformer
T12	LT-438	Output transformer
SEMI-CONDUCTORS		
Q1	2SA102	Transistor
Q2	2SA101	Transistor
Q3	2SA101	Transistor
Q4	OA70	Germanium Diode
Q5	2SB175	Transistor
Q6	2SB175	Transistor
Q7	2SB172	Transistor
Q8	2SB172	Transistor
Q9	2SA102	Transistor
Q10	S-250	Thermistor
MISCELLANEOUS		
S1~9	SD-115	Rotary Switch
SP	SP8-04	Speaker, 8 cm (3") P.M.
TA	114C05	Telescopic rod antenna
FA	MD-2158	Ferrite core, Part of LT-177K
J	C03-02	Ext. listening jack
	114B01	Case-polystyrene molded case
	114B04	Knob-Volume control knob
	114B05	Knob-Tuning control knob
	136D03	Case-Transparent battery case
	D02-01	Cord-Nylon cord for dial drive