

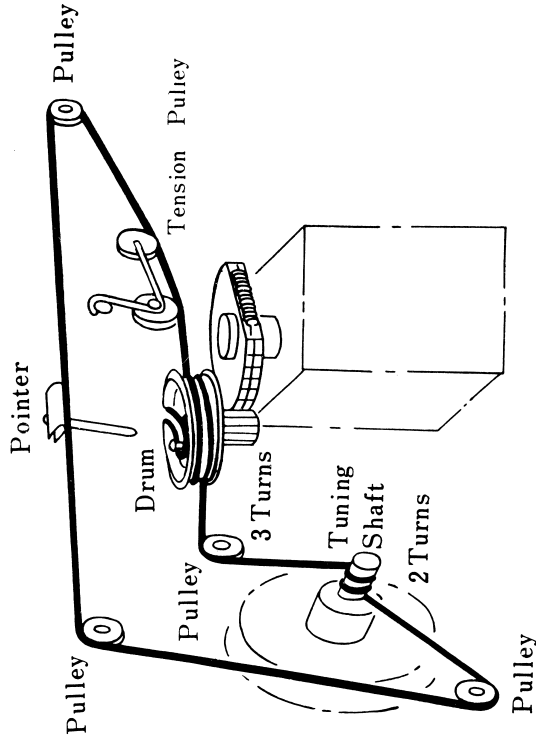


SILVER

4-Band 9-Transistor Portable Radio MODEL 9TA-370 / 9TS-375

SERVICE DATA

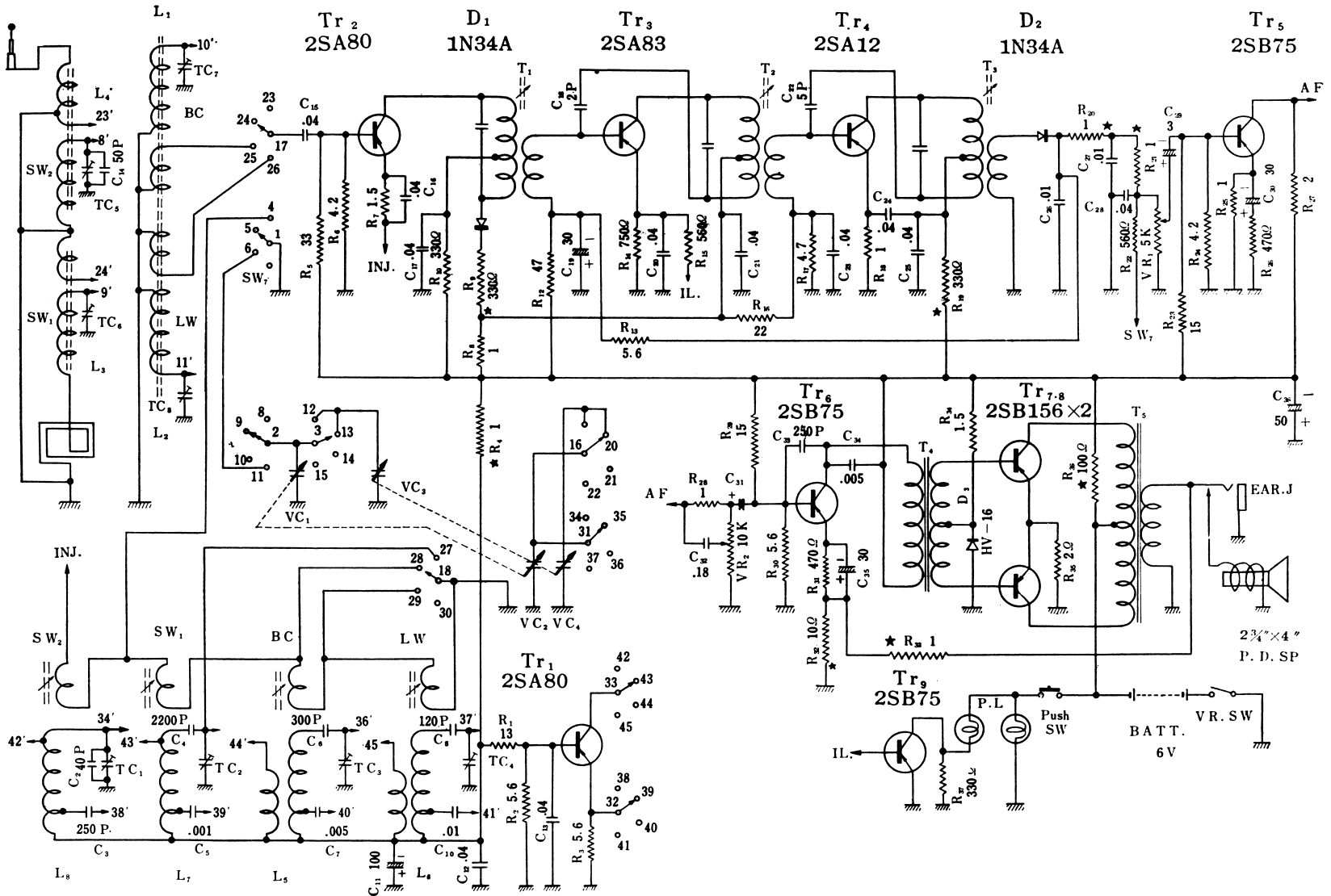
SHIRASUNA DENKI MFG. CO., LTD.



These data are applied for Model 9TS-375, except those marked ✽

SPECIFICATIONS

CIRCUIT SYSTEM	4-band, superheterodyne circuit with 9 transistor, 2 diodes & 1 varistor	POWER OUTPUT	450mW (maximum) 350mW (undistorted)
TUNING RANGE	Long wave 150-350 KC Broadcast: 535-1605 KC Short wave 1: 3.9-10 MC Short wave 2: 10-18 MC	SPEAKER	2 3/4" × 4" oval PM dynamic speaker
INTERMEDIATE FREQUENCY	455KC	BATTERY	4 flashlight batteries (Eveready 635 or Berc U 11)
ANTENNA SYSTEM	(1) Built-in high gain ferrite bar antenna (2) 31" telescopic disappearing antenna (3) Loop	DIMENSIONS	8 5/8" wide, 5" high, 2 3/16" deep
		WEIGHT	3 lbs. 3 ozs. (with batteries)



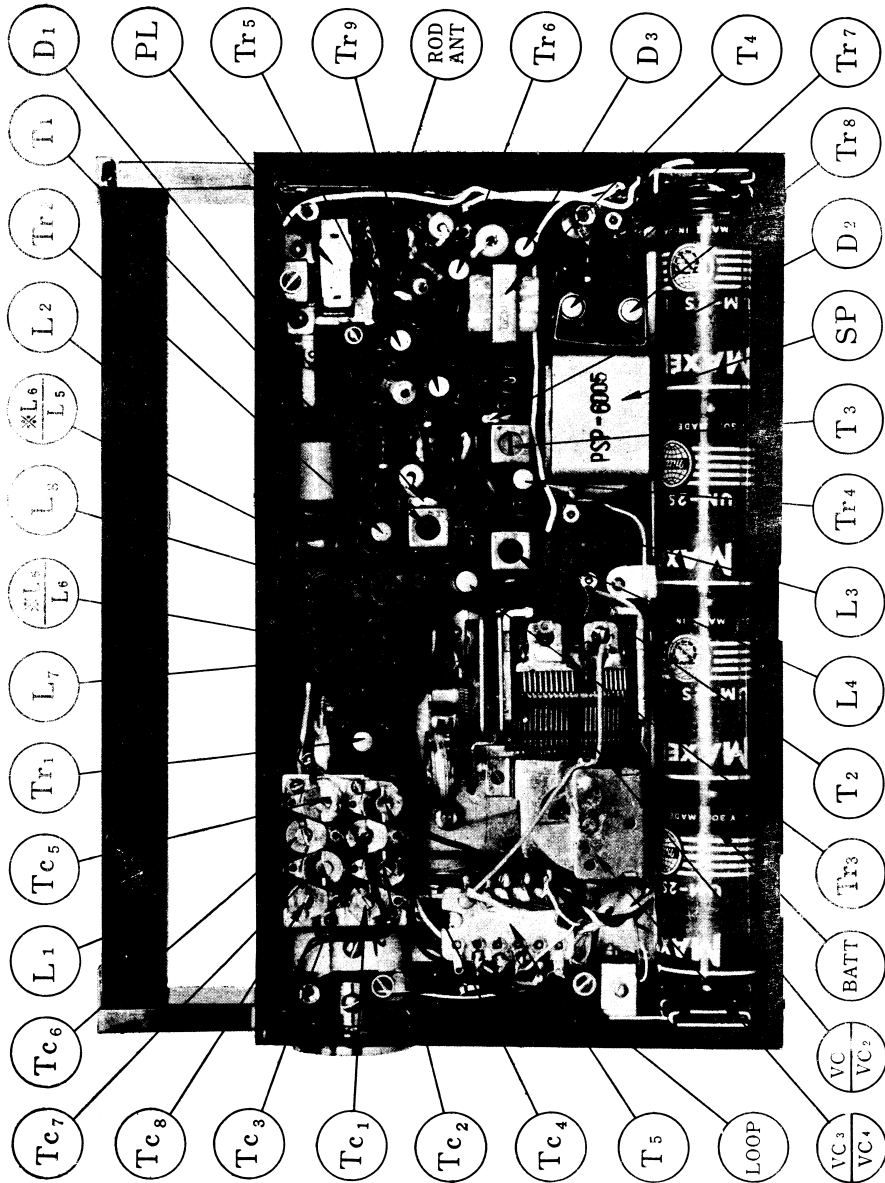
All resistance values in killoohms.

All capacitance values in MF except those indicated.

Error of Resistor

No mark 10%

☆ mark 20%

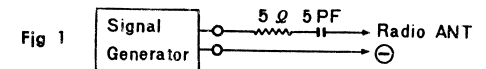


SILVER MODEL 9TA-370 .

 ✳ **ALIGNMENT INSTRUCTIONS**

- * Volume control should be at Maximum.
- * Output meter should be connected across the voice coil of speaker.

Step	Signal Generator Coupling	Band Switch Setting	Signal Generator Frequency	Radio Dial Setting	Adjust for MAX. output
1	Loop	BC	455 KC	VC max.	T1. 2. 3. (IFT A. B. C.)
2	"	BC	525 KC	VC max.	L5 (BC OSC. coil)
3	"	BC	1630 KC	VC min.	TC3 trimmer
4	Repeat step 2 & 3				
5	Loop	BC	600 KC	600 KC	L1 (BC ANT. coil)
6	"	BC	1400 KC	1400 KC	TC7 trimmer
7	Repeat steps 5 & 6				
8	Loop	LW	145 KC	VC max.	L6 (LW OSC. coil)
9	"	LW	360 KC	VC min.	TC4 trimmer
10	Repeat steps 8 & 9				
10	Loop	LW	170 KC	170 KC	L2 (LW ANT. coil)
12	"	LW	320 KC	320 KC	TC8 trimmer
13	Repeat steps 11 & 12				
14	Loop	SW 1	4 MC	4 MC	L7 (SW1 OSC. coil)
15	"	SW 1	8 MC	8 MC	TC2 trimmer
16	Repeat steps 14 & 15				
17	Loop	SW 1	4 MC	4 MC	L3 (SW1 ANT. coil)
18	"	SW 1	8 MC	8 MC	TC6 trimmer
19	Repeat steps 17 & 18				
20	Fig 1	SW 2	10 MC	10 MC	L8 (SW2 OSC. coil)
21	"	SW 2	16 MC	16 MC	TC1 trimmer
22	Repeat steps 20 & 21				
23	Fig 1	SW 2	10 MC	10 MC	L4 (SW2 ANT. coil)
24	"	SW 2	16 MC	16 MC	TC5 trimmer
25	Repeat steps 23 & 24				



SPECIFICATIONS**TUNING RANGE**

Broadcast: 535 - 1605 KC

Short wave 1: 1.6 - 4 MC

Short wave 2: 3.9 - 10 MC

Short wave 3: 10 - 18 MC

PARTS LIST**Coil**

Symbol No.	Parts No.	Description
L1	PLA-0078	BC ANT. coil
L2	"	SW1 ANT. coil
L3	PLA-1011	SW2 ANT. coil
L4	PLA-1012	SW3 ANT. coil
L5	PLO-0086	BC OSC. coil
L6	PLO-0117	SW1 OSC. coil
L7	PLO-0118	SW2 OSC. coil
L8	PLO-0119	SW3 OSC. coil

Cabinet assembly

Symbol No.	Parts No.	Description
Cabinet	PMC-5001S	Cabinet

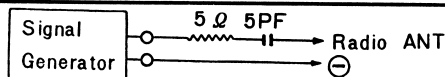
ALIGNMENT INSTRUCTIONS

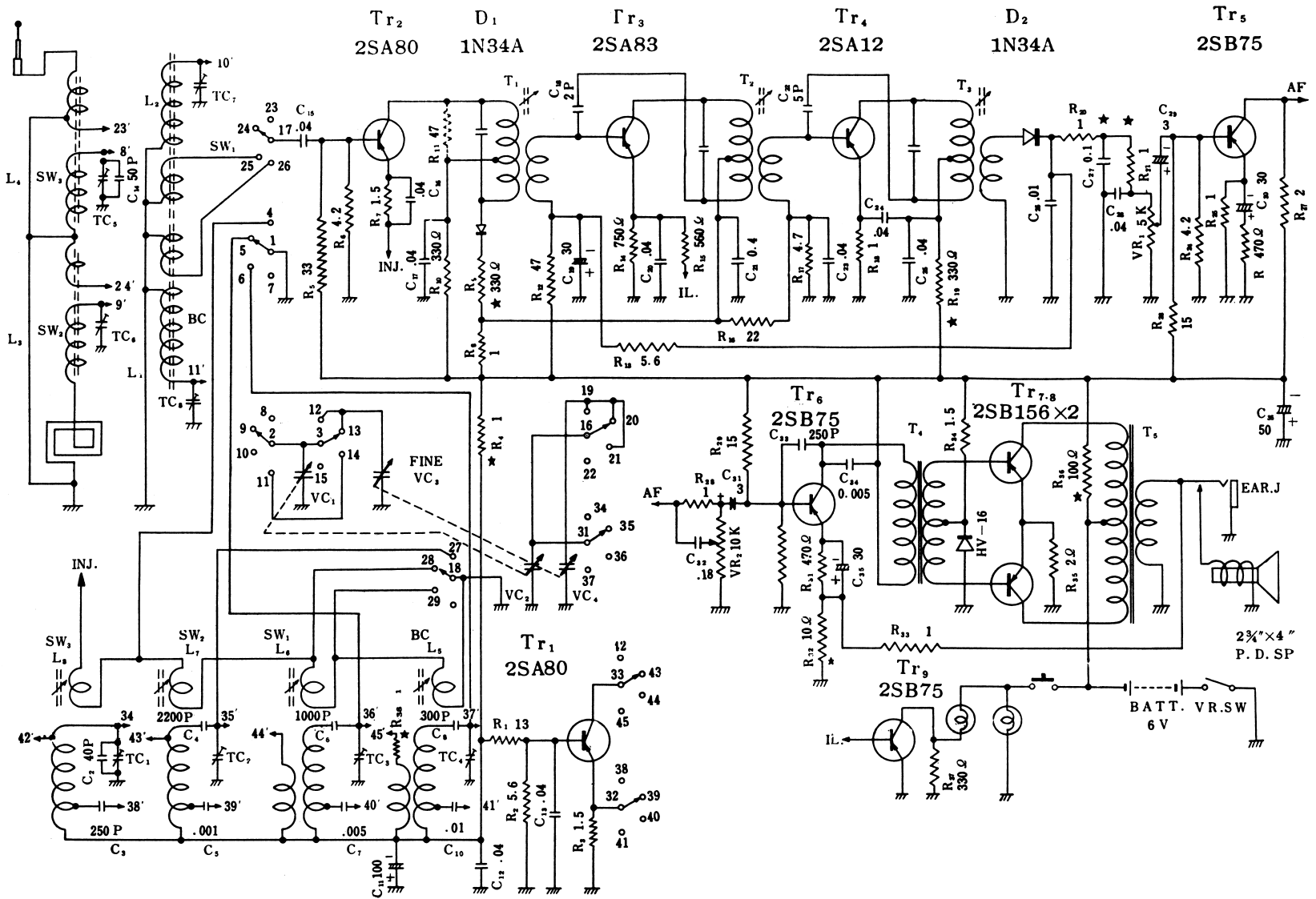
* Volume control should be at Maximum.

* Output meter should be connected across the voic coil of speaker.

Step	Signal Generator Coupling	Band Switch Setting	Signal Generator Frequency	Radio Dial Setting	Adjust for MAX. output
1	Loop	BC	4.5 KC	VC max.	T1.2.3. (IFT A.B.C.)
2	"	BC	525 KC	VC max.	L5 (BC OSC. coil)
3	"	BC	1630 KC	VC min.	TC4 trimmer
4	Repeat steps 2 & 3				
5	Loop	BC	600 KC	600 KC	L1 (BC ANT. coil)
6	"	BC	1400 KC	1400 KC	TC8 trimmer
7	Repeat steps 5 & 6				
8	Loop	SW 1	1.5 MC	VC max.	L6 (SW1. OSC. coil)
9	"	SW 1	4.1 MC	VC min.	TC3 trimmer
10	Repeat steps 8 & 9				
11	Loop	SW 1	1.7 MC	1.7 MC	L2 (SW1. ANT. coil)
12	"	SW 1	3.5 MC	3.5 MC	TC7 trimmer
13	Repeat steps 11 & 12				
14	Loop	SW 2	4 MC	4 MC	L7 (SW2 OSC. coil)
15	"	SW 2	8 MC	8 MC	TC2 trimmer
16	Repeat steps 14 & 15				
17	Loop	SW 2	4 MC	4 MC	L3 (SW2 ANT. coil)
18	"	SW 2	8 MC	8 MC	TC6 trimmer
19	Repeat steps 17 & 18				
20	Fig 1	SW 3	10 MC	10 MC	L8 (SW3 OSC. coil)
21	"	SW 3	18 MC	18 MC	TC1 trimmer
22	Repeat steps 20 & 21				
23	Fig 1	SW 3	10 MC	10 MC	L4 (SW3 ANT. coil)
24	"	SW 3	18 MC	18 MC	TC5 trimmer
25	Repeat steps 23 & 24				

Fig 1





All resistance values in killoohms.

All capacitance values in MF except those indicated.

Error of Resistor

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