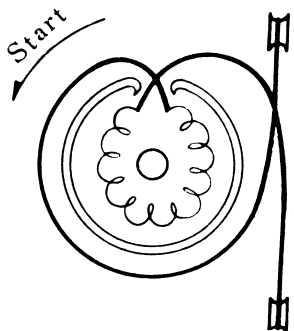


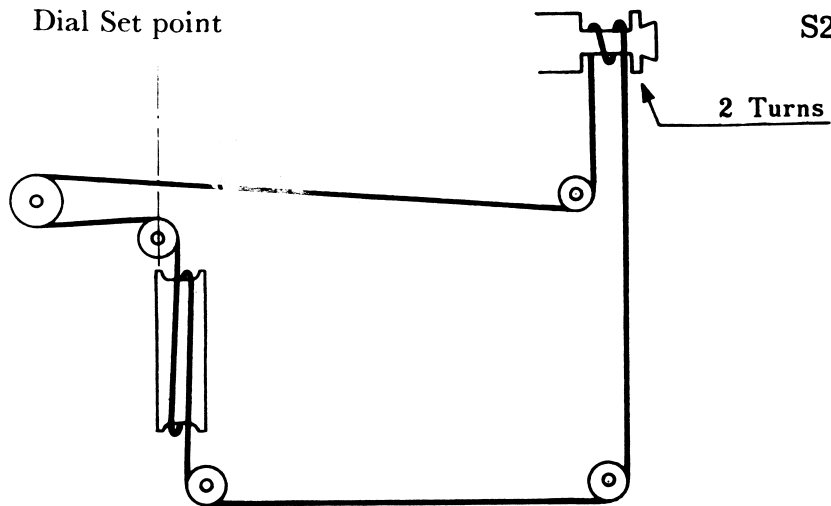
SILVER MODEL 8TS-290.

⊖ Chassis Mounting Screws.

Dial Drum Side View

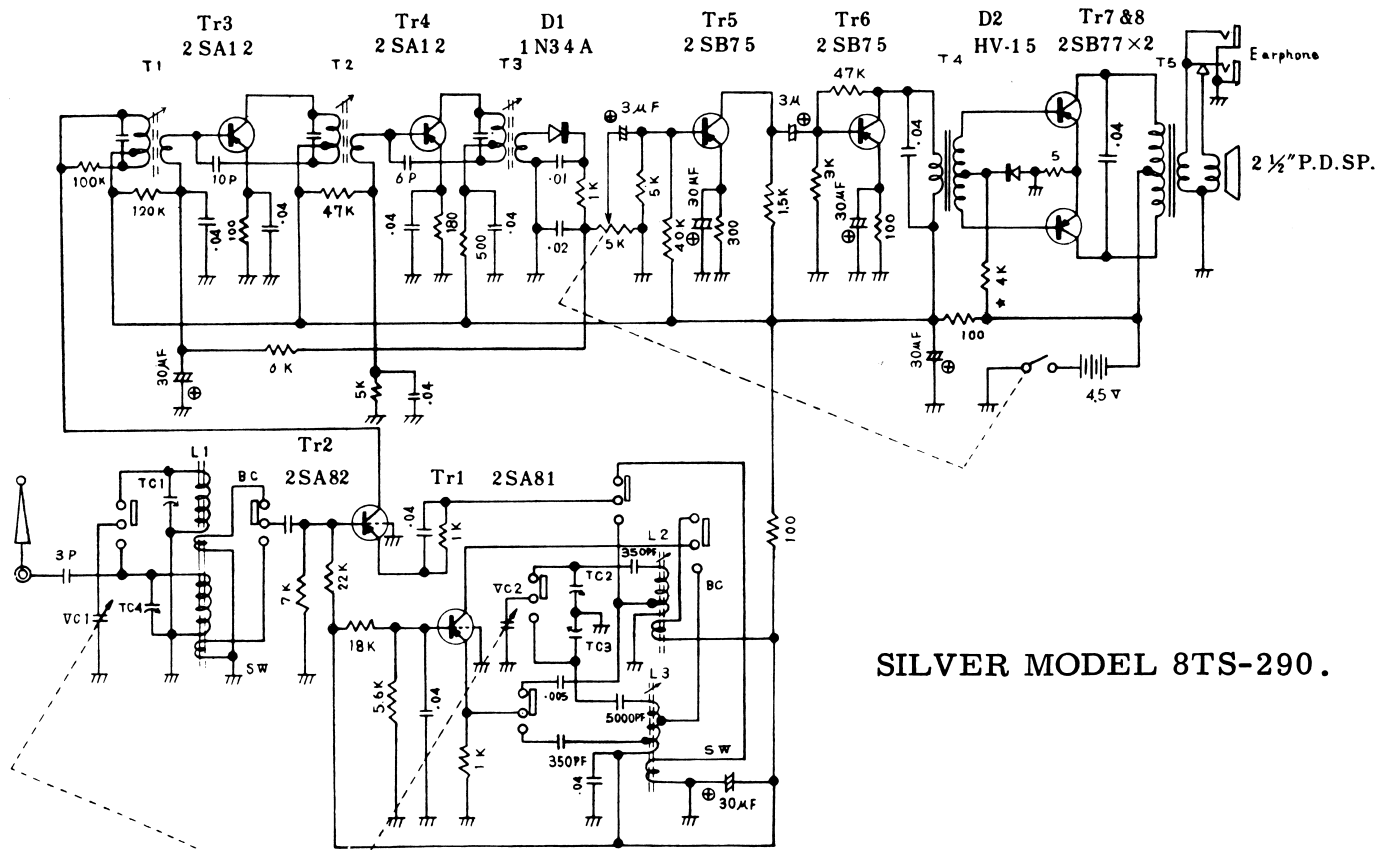


Dial Set point



S253.

Tuning Gang Fully Closed



Error of Resistor
 No mark : 10%
 ★ mark : 5%
 All resistance values in ohms.
 All capacitance values in MF
 except those indicated.

SILVER MODEL 8TS-290.

ALIGNMENT INSTRUCTIONS

- * Volume control should be at Maximum.
- * SG signal should be radiated into the radio by the Loop.
- * Output meter should be connected across the voice coil of speaker.

Step.	Band Switch Setting	Signal Generator Frequency	Radio Dial Setting	Adjust for Max. Output
1.	BC	455KC	VC max. (fully closed)	IFT A. B. C.
2.	BC	520KC	VC max.	BC OSC. coil
3.	BC	1,650KC	VC min. (fully open)	TC2 trimmer
4.		Repeat step 2 & 3		
5.	BC	600KC	600KC	L1 (BC ANT. coil)
6.	BC	1,400KC	1,400KC	TC1 trimmer
7.		Repeat step 5 & 6		
8.	SW	3.8MC※ (1.5MC)	VC max.	L3 (SW. OSC. coil)
9.	SW	12.5MC※ (4.1MC)	VC min.	TC3 trimmer
10.		Repeat step 8 & 9		
11.	SW	4.5MC※ (1.7MC)	4.5MC※ (1.7MC)	L1 (SW ANT. coil)
12.	SW	10.5MC※ (3.8MC)	10.5MC※ (3.8MC)	TC4 trimmer
13.		Repeat step 11 & 12		

* Adjust to get MAXIMUM output in each step.

PARTS LIST

TRANSISTORS

Symbol No.	Original Type	Description
Tr1	2SA81	Oscillator
Tr2	2SA82	Mixer ※ (2SA17)
Tr3	2SA12	1st I-F Amp.
Tr4	2SA12	2nd I-F Amp.
Tr5	2SB75	1st A.F. Amp.
Tr6	2SB75	2nd A.F. Amp.
Tr7	2SB77	Push-pull Output
Tr8	2SB77	Push-pull Output

DIODE & VARISTOR

Symbol No.	Original Type	Description
D1	1N34A	Detector & A. G. C.
D2	*HV-15	Temperature compensation

* Transistor with one lead removed.

VARIABLE CAPACITOR

Symbol No.	Parts No.	Description
VC1 VC2	PCV-5205	Tuning

VOLUME CONTROL

Symbol No.	Parts No.	Description
VR	PRV-5312	Volume control

COILS

Symbol No.	Parts No.	Description
L1	※PLA-0045 (PLA-0056)	BC & SW Antenna coil
L2	PLO-0050	BC oscillator coil
L3	※PLO-0057 (PLA-0072)	SW oscillator coil

TRANSFORMER

Symbol No.	Parts No.	Description
T1		IFT A
T2	PLI-0021	IFT B
T3		IFT C
T4	PLA-1413	Input transformer
T5	PLO-1014	Output transformer

LOUDSPEAKER

Symbol No.	Parts No.	TYPE		
		Size	Field	V.C. IMP
SP	PSP-2013	2½"	P. D	8 ohms

CABINET ASSEMBLY

Symbol No.	Parts No.	Description
Cabinet	※PMC-1125 (PMC-1125S)	Cabinet
Tun. knob	PME-1226	Tuning knob
Vol. knob	PME-2040	Volume control knob



SILVER

2-Band, 8-Transistor Portable Radio MODEL 8TS-290 SERVICE DATA

SHIRASUNA DENKI MFG. CO., LTD.

SPECIFICATIONS

TUNING RANGE

- BC 525-1610 KC
- SW 4 - 12 MC ※ (1.6-4 MC)

INTERMEDIATE FREQUENCY

455 KC

ANTENNA SYSTEM

- (1) Built-in Ferrite bar antenna
- (2) 39½" telescopic antenna

TRANSISTOR

- 2SA81 Oscillator
- 2SA82 Mixer ※ (2SA17)
- 2SA12 1st I-F Amp.
- 2SA12 2nd I-F Amp.
- 2SB75 1st A.F. Amp.
- 2SB75 2nd A.F. Amp.
- 2SB77 Push-pull Output
- 2SB77 Push-pull Output

DIODE

1N34A Detector & A.G.C.

VARISTOR

HV-15 Temperature compensation

POWER OUTPUT

150mW (Maximum)
100mW (Undistorted)

SPEAKER

2½" P.D.SP

BATTERY

3 Pen-lite batteries
(Eveready 915 or Bercer U12)

DIMENSIONS

6½" wide, 3¼" high, 1¼" deep

WEIGHT

1 lb. 6 ozs. (with batteries)

These data are applied for also Model 8TS-295, except those marked ※

