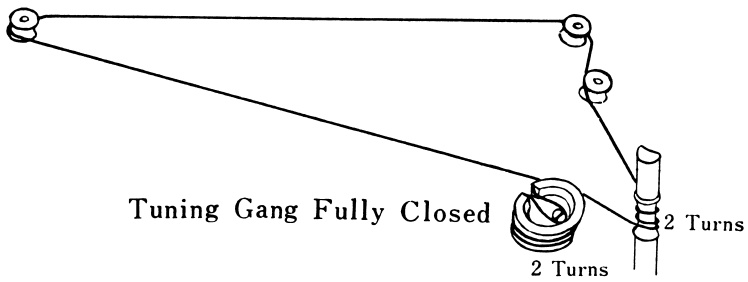
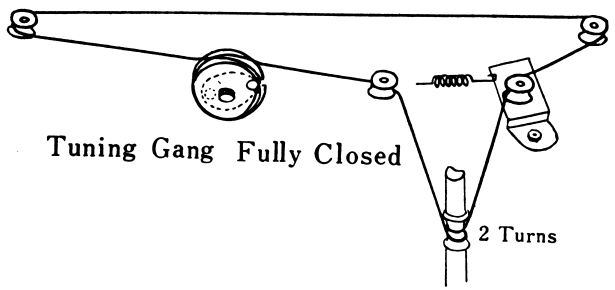
SILVER MODEL. 11TF-500.

Dial Cords Stringing

AM Tuning Drive Cord



FM Tuning Drive Cord



FM TUNER

SPECIFICATION

Tuning Range 88 - 108 MC
Intermediate Frequency 10.7 MC
Transistor Complement 2SA 235 VHF. RF. AMP.
2SA 235 VHF. CONV.

FM TUNER ALIGNMENT INSTRUCTIONS

★Voltage - Meter : Connection as illustrated on Fig.3.

Step	Signal Generator Connection	Signal Generator Frequency	Radio Dial Setting	Ajust For MAX. Output
1	Fig. 1	10.7 MC	VC MAX.	T - 2
2	Fig. 2	85 MC	VC MAX.	L-3 & L-1
3	Fig. 2	111 MC	VC MINI.	RF. trimmer & OSC. trimmer
4		Repeat step 2&3		

FM ALIGNMENT INSTRUCTION

★Signal Generator: Connection as illustrated on Fig. 1.
★Voltage-Meter & Ampere-Meter: Connection as illustrated on Fig. 2.

Step	Band Switch Setting	Signal Generator Coupling	Signal Generator Frequency	Radio Dial Setting	Adjust For MAX. Output
1	FM	0.01 MF	10.7 MC	-	T- 1. 2. 3 core for MAX. voltage
2	FM	0.01 MF	10.7 MC	Descriminator	(T- 4) primary core for MAX. voltage
3	FM	0.01 MF	10.7 MC	-	(T- 4) secondary core ZERO ampere
4		Repeat Step 1~3			

Fig.1

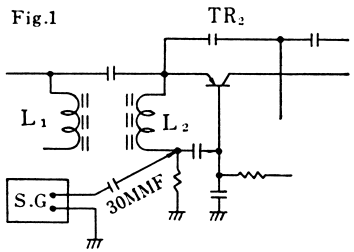


Fig.2

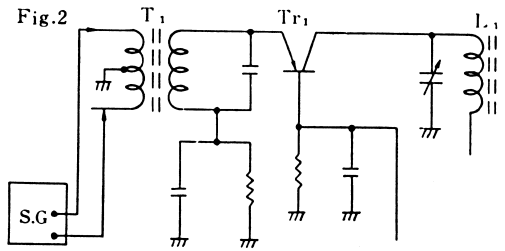
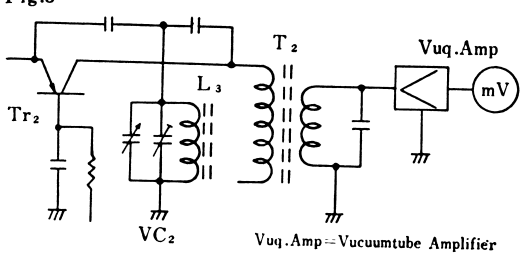
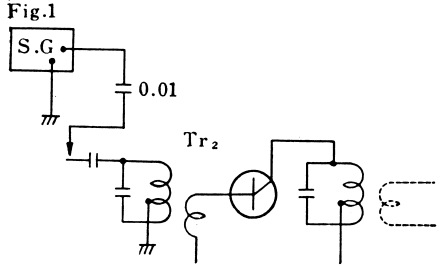


Fig.3



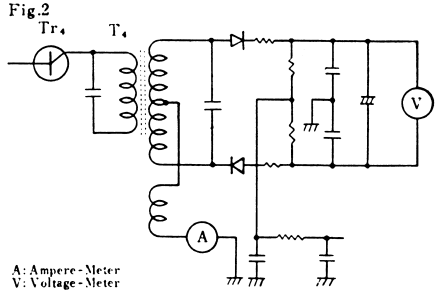
Vuq.Amp=Vucuumtube Amplifier

Fig.1

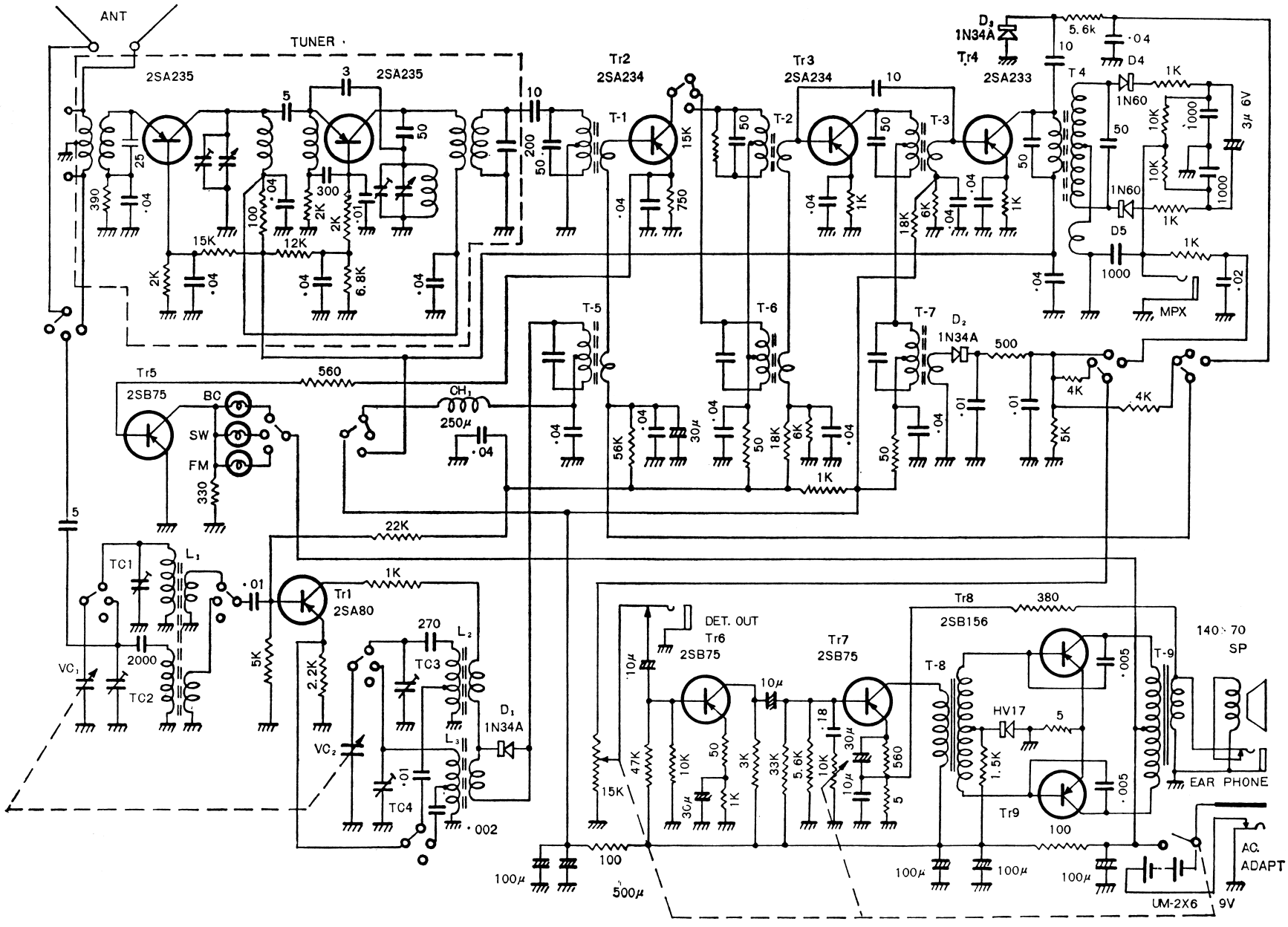


S.G : Signal Generator

Fig.2



A: Ampere-Meter
V: Voltage-Meter



All resistance values in ohms.
All capacitance values less than 1.0 in MF and 1.0 and above in MMF unless specified.

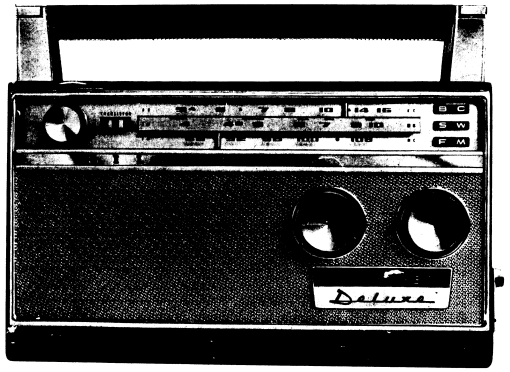
SILVER

FM/SW-BC 11-Transistor Portable Radio

MODEL 11TF-500

SERVICE DATA

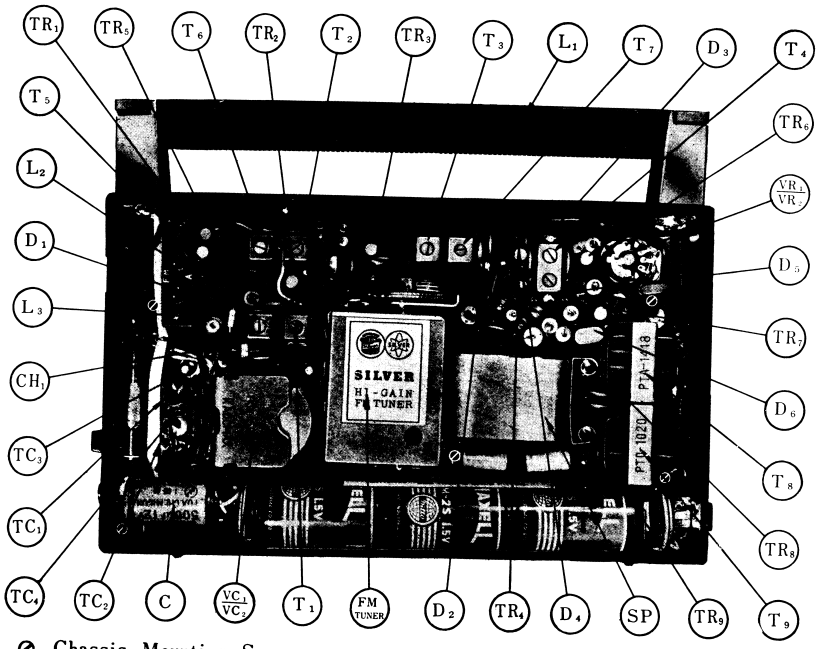
SHIRASUNA DENKI MFG. CO., LTD.



* **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	455 KC	VCmax. (fullyclosed)	IFT (T5. 6. 7)
2	BC	525 KC	VC max.	BC OSC. coil (L2)
3	BC	1650 KC	VC mini. (fully open)	BC OSC. trimmer (TC3)
4		Repeat steps 2&3		
5	BC	600 KC	600 KC	BC ANT. coil(L1)
6	BC	1400 KC	1400 KC	BC ANT. trimmer(TC1)
7		Repeat steps 5&6		
8	SW	3. 85 MC	VC max.	SW OSC. coil(L3)
9	SW	10. 5 MC	VC mini.	SW OSC. trimmer (TC4)
10		Repeat steps 8&9		
11	SW	4. 0 MC	4. 0 MC	SW ANT. coil(L1)
12	SW	9. 0 MC	9. 5 MC	SW ANT trimmer (TC2)
13		Repeat steps 11&12		

※ Adjust to get MAXIMUM output in each step.



⊘ Chassis Mounting Screws.

SPECIFICATIONS

Tuning Range	FM : 88 - 108MC AM : BC : 535 - 1605KC SW : 3. 9 - 10MC
Intermediate Frequency	FM : 10. 7MC AM : 455KC
Antenna System	(1) AM : Built-in high gain ferrite bar (2) FM/SW : 2 disappearing telescopic antennas, with 360° rotation for non-directional reception.
Transistor Complement	2SA80 AM conv. 2SA234 AM FM I-F Amp. 2SA234 AM FM I-F Amp. 2SA233 FM I-F Amp. 2SB75 Tuning Indicator 2SB75 A. F. Amp. 2SB75 A. F. Amp. 2SB156 Push-pull output 2SB156 Push-pull output
Diode	1N34A OSC. Voltage Control 1N34A AM Detector & A. G. C. 1N34A FM A. G. C. 1N60 FM Detector 1N60 FM Detector
Varistor	HV17 Temperature Compensation
Power Output	700mW (maximum) 500mW (undistorted)
Speaker	3" x 5½" Oval PM Specially developed acoustical cone
Output Jack	External speaker & earphone Jack
Battery	6 flashlight batteries (Eveready 635 or Berec U 11)
Dimensions	9¼" wide, 5½" high, 2⅝" deep
Weight	4 lds. 6 ozs. (with batteries)