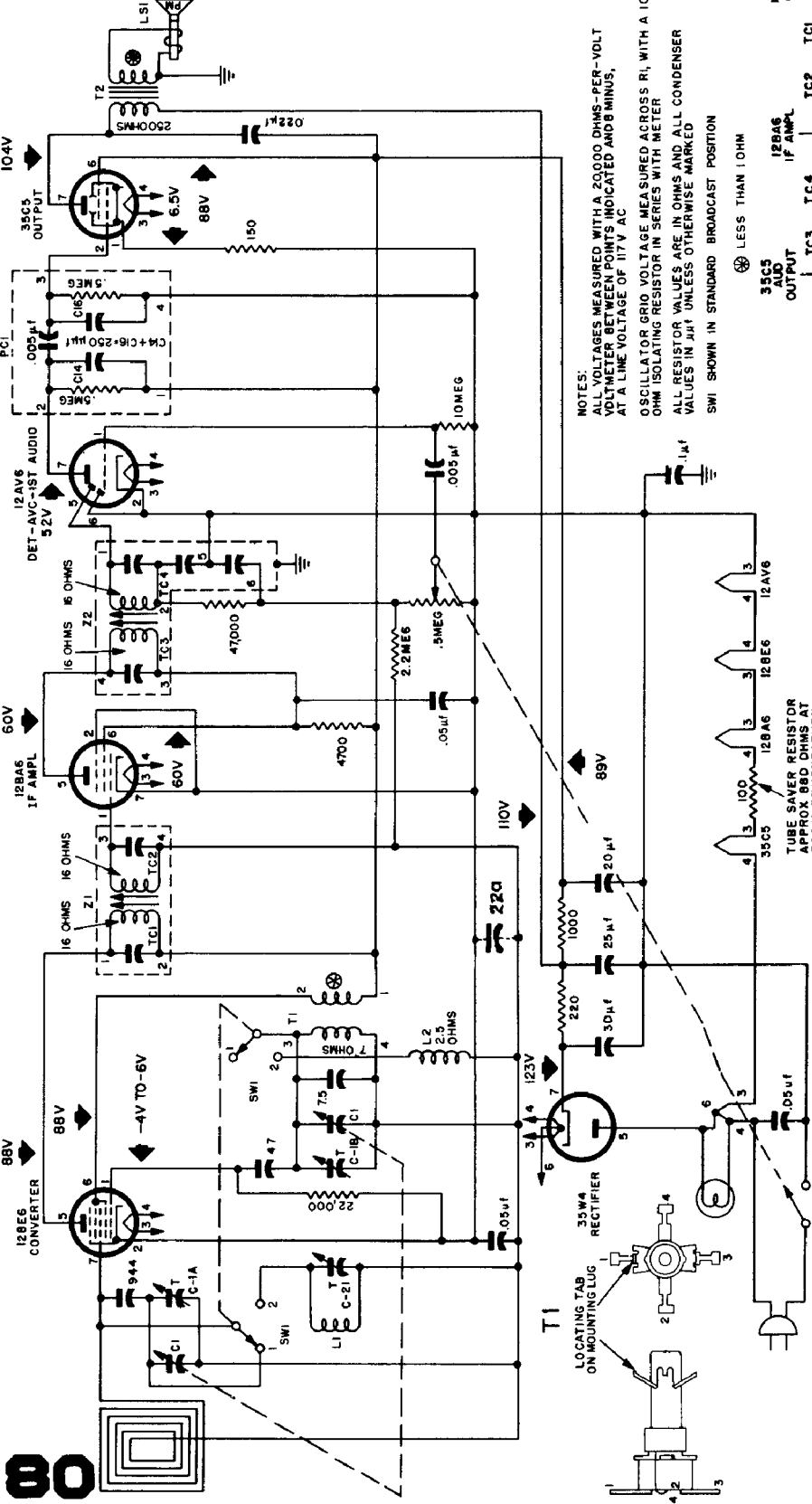


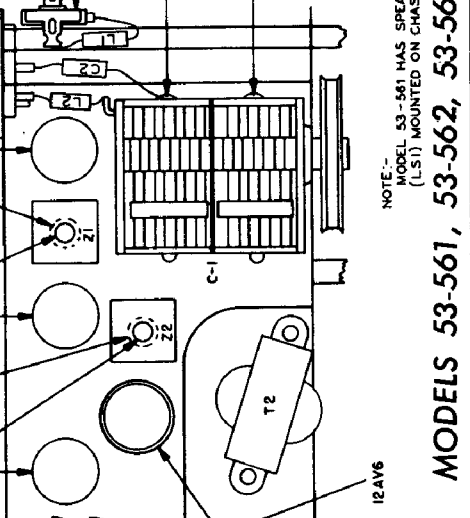
MANUAL OF 1953 MOST-OFTEN-NEEDED RADIO DIAGRAMS

PHILCO MODELS 53-561, 53-562 AND 53-564

This service material will also apply to the following Models 53-563, 53-565 (these are the same electrically), Model 53-560 (special services band omitted), and Model 53-568 which is very similar.



NOTES:
 ALL VOLTAGES MEASURED WITH A 20000 OHMS-PER-VOLT VOLTMETER BETWEEN POINTS INDICATED AND 8 MINUS, AT A LINE VOLTAGE OF 117 V AC
 OSCILLATOR GRID VOLTAGE MEASURED ACROSS R1, WITH A 100000 OHM ISOLATING RESISTOR IN SERIES WITH METER
 ALL RESISTOR VALUES ARE IN OHMS AND ALL CONDENSER VALUES IN μ F UNLESS OTHERWISE MARKED
 SWI SHOWN IN STANDARD BROADCAST POSITION
 ⊗ LESS THAN 1 OHM



NOTE:
 MODEL 53-561 HAS SPEAKER (LS1) MOUNTED ON CHASSIS

MODELS 53-561, 53-562, 53-564

STEP	SIGNAL GENERATOR			RADIO			ADJUST
	CONNECTION TO RADIO	DIAL SETTING	DIAL SETTING	BAND SWITCH SETTING	SPECIAL INSTRUCTIONS		
1	Ground lead to B-; output lead through a .1- μ f. condenser to grid (pin 7) of 128E6.	455 kc.	Tuning gang fully open	Broadcast	Adjust tuning cores, in order given, for maximum output. TC1 and TC3 are located at tap of transformers.	TC4—2nd i-f sec. TC3—2nd i-f pri. TC2—1st i-f sec. TC1—1st i-f pri.	
2	Radiating loop	1620 kc.	1620 kc.	Broadcast	Adjust trimmer for maximum output.	C1-B—asc.	
3	Same as step 2.	1500 kc.	1500 kc.	Broadcast	Adjust trimmer for maximum output.	C1-A—aerial (broadcast)	
4	Same as step 2.	3200 kc.	3200 kc.	Special Services	Adjust trimmer for maximum output.	C21—aerial (special services).	