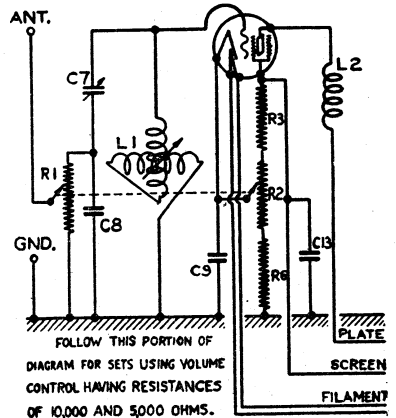


Model 48 Receiver (Model 49 for 25 Cycle Operation)



- L1—Variometer
- L2—2nd RF Coil
- L3—3rd RF Coil
- L4—Detector Coil
- L5—Detector Plate Choke
- L6—Small Filter Choke
- L7—Large Filter Choke
- S1—Off and On Switch
- S2—Voltage Tap Switch
- C1—2nd RF Tuning Condenser
- C2—3rd RF Tuning Condenser
- C3—Detector Tuning Condenser
- C4—2nd RF Alignment Condenser
- C5—3rd RF Alignment Condenser
- C6—Detector Alignment Condenser

- C7—Antenna Tuning Condenser
- C8—Antenna Condenser .001 mfd.
- C9—1st RF Cathode By-Pass Condenser .5 mfd.
- C10—2nd RF Cathode By-Pass Condenser .5 mfd.
- C11—3rd RF Cathode By-Pass Condenser .5 mfd.
- C12—Detector Cathode By-Pass Condenser 1 mfd.
- C13—1st RF Screen By-Pass Condenser .5 mfd.
- C14—2nd RF Screen By-Pass Condenser .5 mfd.
- C15—3rd RF Screen By-Pass Condenser .5 mfd.
- C16—Detector Plate By-Pass Condenser .001 mfd.
- C17—1st and 2nd RF Plate By-Pass Condenser .5 mfd.
- C18—3rd RF Plate By-Pass Condenser .5 mfd.
- C19—Filter Condenser 1 mfd.
- C20—Filter Condenser 2 mfd.
- C21—Filter Condenser 4 mfd.
- C22—By-Pass Condenser } 160 cycles .05 mfd.
- } 125 cycles .2 mfd.
- C23—Detector Plate By-Pass Condenser .001 mfd

- T1—Audio Input Transformer
- T2—Audio Output Transformer
- T3—Power Transformer
- R1—Volume Control } 10,000 ohms (Antenna)
- } 5,000 ohms
- R2—Volume Control } 5,000 ohms
- R3—1st RF Screen Resistor 25,000 ohms
- R4—2nd RF Grid Resistor 500 ohms
- R5—3rd RF Grid Resistor 500 ohms
- R6—1st RF Bias Resistor 1500 ohms
- R7—2nd RF Bias Resistor 1500 ohms
- R8—3rd RF Bias Resistor 1500 ohms
- R9—Detector Bias Resistor 15,000 ohms
- R10—RF Center Tap Resistor
- R11—Voltage Divider Resistor
- R12—Audio Center Tap Resistor

BOSCH—Model 48-60 Cycle  
Line Voltage 112—Volume Control Position Full On

TUBE NO IN ORDER	TYPE OF TUBE	POSITION OF TUBE 1ST RF DET. ETC.	READINGS, PLUG IN SOCKET OF SET									
			TUBE OUT		TUBE IN TESTER						SCREEN GRID VOLTS	
			A VOLTS	B VOLTS	A VOLTS	B VOLTS	C VOLTS	CATHODE HEATER VOLTS	NORMAL PLATE MA	PLATE M.A. GRID CHANGE	PLATE MA	SCREEN GRID VOLTS
1	224	1st RF	-	-	2.4	1.75	2.5	2.5	2.6	3.5	9	70
2	224	2nd RF	-	-	2.4	1.75	2.5	2.5	2.6	3.5	9	70
3	224	3rd RF	-	-	2.4	1.75	2.5	2.5	2.6	3.5	9	70
4	227	Det.	-	-	2.4	2.80	27	27	2	-	-	-
5	245	Aud.	-	-	2.4	250	45	-	30	50	20	-
6	245	Aud.	-	-	2.4	250	45	-	30	50	20	-
7	280	Rect.	-	-	4.8	-	-	-	100	-	-	-

BOSCH—Model 49-25 Cycle  
Line Voltage 112—Volume Control Position Full On

TUBE NO IN ORDER	TYPE OF TUBE	POSITION OF TUBE 1ST RF DET. ETC.	READINGS, PLUG IN SOCKET OF SET									
			TUBE OUT		TUBE IN TESTER						SCREEN GRID VOLTS	
			A VOLTS	B VOLTS	A VOLTS	B VOLTS	C VOLTS	CATHODE HEATER VOLTS	NORMAL PLATE MA	PLATE M.A. GRID CHANGE	PLATE MA	SCREEN GRID VOLTS
1	224	1st RF	-	-	2.4	1.50	1.8	1.8	2.5	6	3.5	70
2	224	2nd RF	-	-	2.4	1.50	1.8	1.8	2.5	6	3.5	70
3	224	3rd RF	-	-	2.4	1.50	1.8	1.8	2.5	6	3.5	70
4	227	Det.	-	-	2.4	250	27	27	2	-	-	-
5	245	Aud.	-	-	2.4	200	42	-	30	50	20	-
6	245	Aud.	-	-	2.4	200	42	-	30	50	20	-
7	280	Rect.	-	-	4.8	-	-	-	100	-	-	-