

Colonial Radio Corp.

Model: 47

Chassis:

Year: Pre June 1932

Power:

Circuit:

IF:

Tubes:

Bands:

Resources

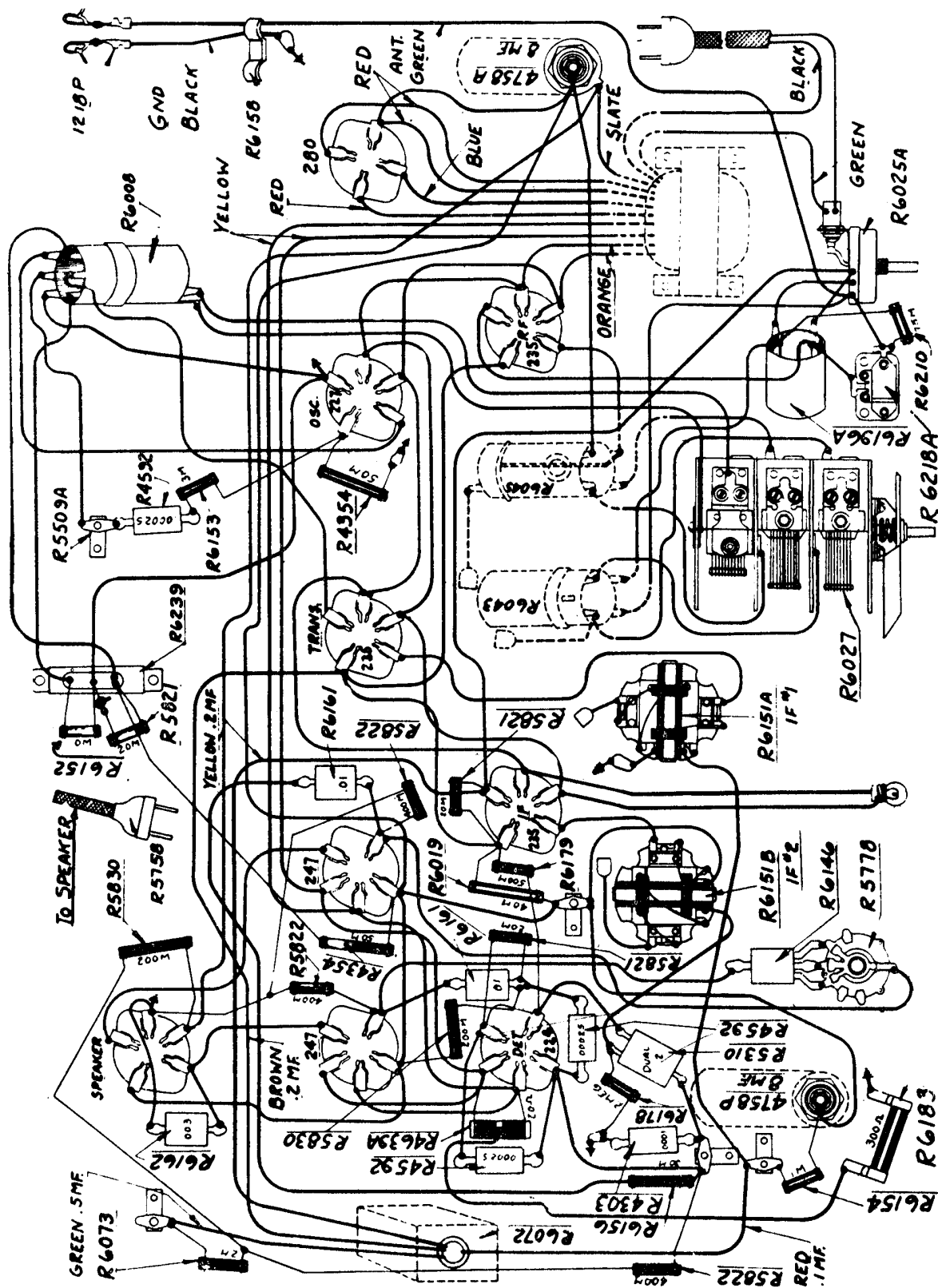
[Riders Volume 2 - COLONIAL 2-25](#)

[Riders Volume 2 - COLONIAL 2-26](#)

[Riders Volume 2 - COLONIAL 2-27](#)

MODEL 47
Chassis

COLONIAL RADIO CORP.



MODEL 47

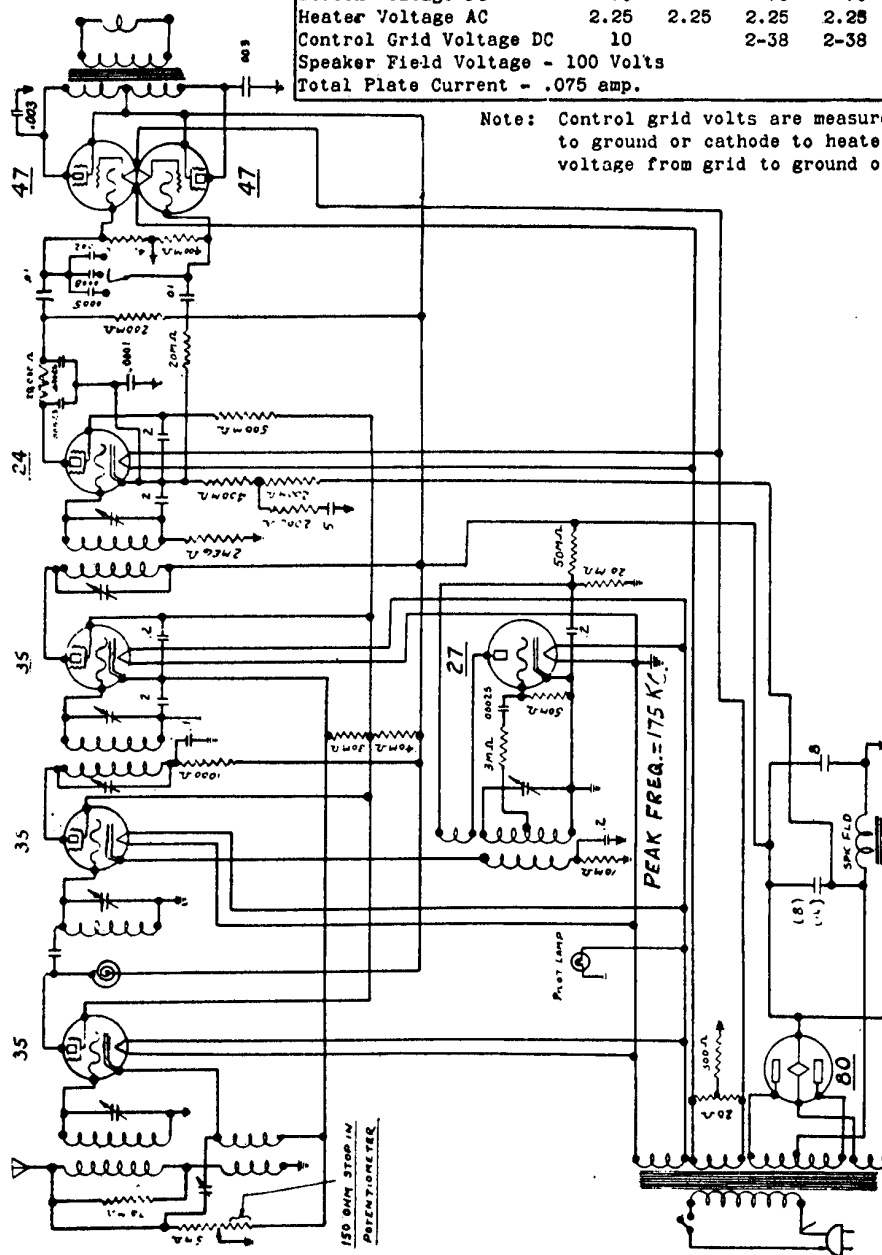
MODEL 47,48 Super Schematic Voltage

COLONIAL RADIO CORP.

60 Cycle	Total Watts - 80								
Line Voltage - 115	Tran.	Osc.	I.F.	R.F.	Det.	2-247	280AC	280DC	
Plate Voltage DC	230	40	240	240	160	235	240	350	
Screen Voltage DC	65		65	65	20	240			
Heater Voltage AC	2.44	2.44	2.44	2.44	2.44	2.45	4.85		
Control Grid Voltage DC	10		1.7-40	1.7-40	20	16			
Speaker Field Voltage	110 Volts.								
Total Plate Current	1075 amp.								

25 Cycle	Total Watts - 85								
Line Voltage - 115	Tran.	Osc.	I.F.	R.F.	Det.	2-247	280AC	280DC	
Plate Voltage DC	220	40	230	230	160	225	325	340	
Screen Voltage DC	70		70	70	25	230			
Heater Voltage AC	2.25	2.25	2.25	2.25	2.45	2.45	4.7		
Control Grid Voltage DC	10		2-38	2-38	20	15			
Speaker Field Voltage	- 100 Volts								
Total Plate Current	- .075 amp.								

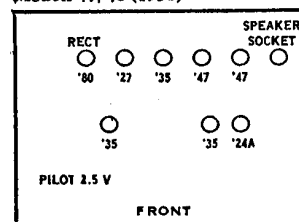
Note: Control grid volts are measured from cathode to ground or cathode to heater. 247 grid voltage from grid to ground or filament.



MODELS 47-48 SUPERHET.

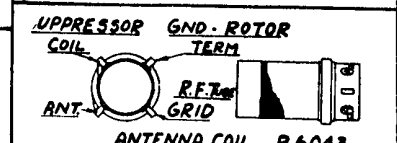
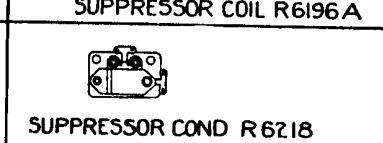
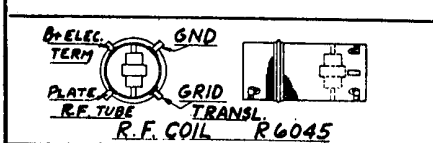
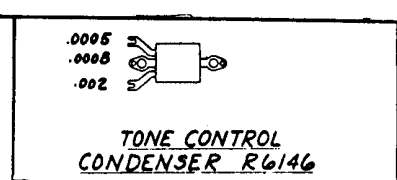
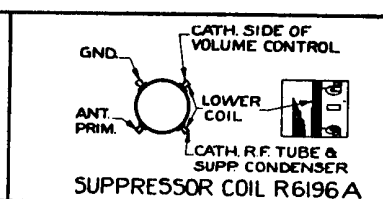
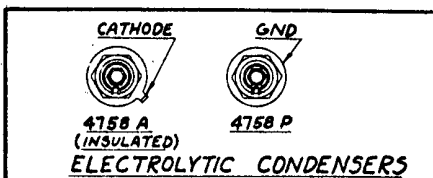
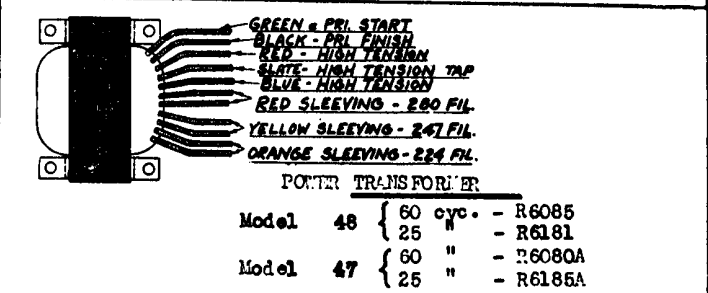
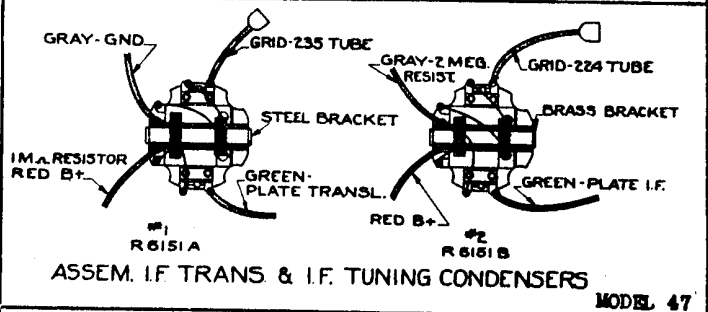
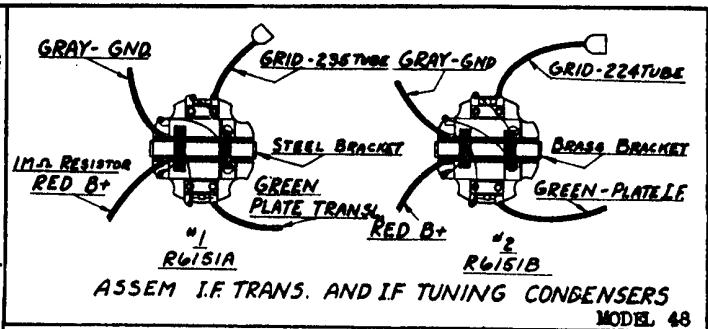
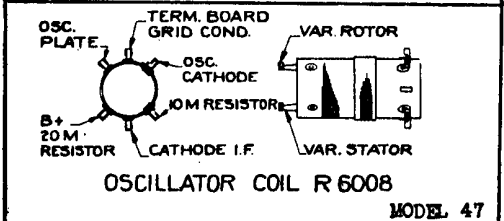
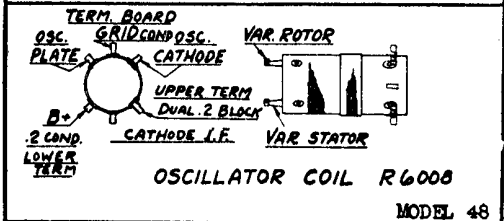
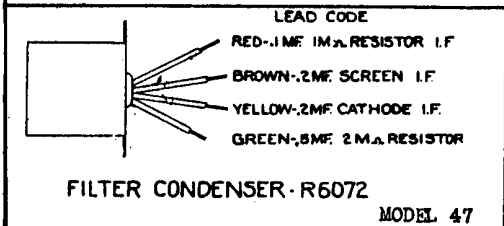
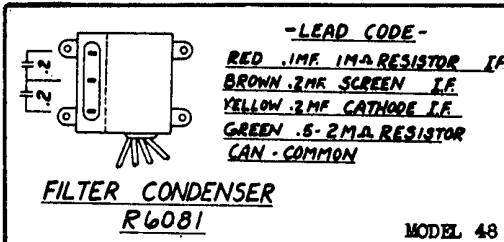
NOTE-In this set the hum across the field coil is used to buck out hum set up in the tube circuits. Causes of hum can be traced to defective detector or output tubes. (interchange output tubes) Shorted condenser or open resistors in hum filter circuit. The hum filter circuits consists of a 2000 ohm resistor and a 0.5 condenser in the grid bias resistor circuit. This connects from the cathode of the detector to the negative side of the speaker field. Other causes of hum are Reversed speaker field, open or shorted condensers in detector circuit, open or grounded 20 ohm center tapped resistor, defective tone control, defective speaker or a defective electrolytic condenser.

Models 47, 48 (1931)



MODEL 47, 48
Parts Coding

COLONIAL RADIO CORP.



MODELS 47 & 48

MODELS 47 AND 48