

FIG. 28.

(For Following Tests, Place Filament Switch "On," Rheostats Barely "On" and Potentiometer Pointer to Left)  
 NOTE: Unsolder +F Lead to Potentiometer, and One Lead to Potentiometer By-Pass Condenser.

TEST FROM	Correct Reading	WRONG READING INDICATES	REMARKS and FURTHER POSSIBILITIES
Each cable lead end to corresponding soldered cable connection under board.	Full	Open in cable.	Examine cable for broken leads and short circuits. Repair or replace cable if necessary.
<b>BLACK to</b> —F1R —F2R —FD, —F1A, —F2A Ground Post. Antenna Post. G1R P1R, P2R PD, P1A G2R G1A, G2A	Full Full Full Full Full None None Full Partial	Open 1st R.F. fil. rheostat or connection. Open 2nd R.F. fil. rheostat or connection. Open Det.-A.F. fil. rheostat or connection. Open ground connection. Open antenna coil or connection. Open antenna coil or connection. No. 1, 2 R.F.T. primary circuit grounded. No. 1, 2 A.F.T. primary circuit grounded. Open secondary No. 1 R.F.T. None—Open secondary No. 1, 2 A.F.T.	Examine joints under board. Examine joints under board. Examine joints under board. Test with ant. switch on each tap. Check transformer connections. Examine connections. Full—Shorted secondary.
<b>RED to</b> +F of Each Socket. PD GD P1R	Full None None None	Open positive filament wire or connection. Shorted phone condenser. Shorted grid condenser. Shorted R.F. plate circuit by-pass condenser.	Examine joints under board. Located inside 3-tube container. Located inside 3-tube container. Install new type by-pass cond.
<b>WHITE to</b> { P1R P2R	Full Full	Open primary No. 1 R.F.T. Open primary No. 2 R.F.T.	
<b>YELLOW to PD</b>	Partial	None—Open primary No. 1 A.F.T.	Full—Shorted primary.
<b>BROWN to</b> P1A Speaker Post No. 2.	Partial Full	None—Open primary No. 2 A.F.T. Open connection.	Full—Shorted primary.
<b>OTHER TESTS</b> Across End Terminals of Potentiometer. Across Terminals of Potentiometer Cond. <b>BLACK to</b> Center Contact of Potentiometer (turn knob.)	Nearly Full None Nearly Full	None—Open potentiometer. Shorted potentiometer by-pass condenser. Open connection to slider.	Full—Shorted potentiometer. Located under board, left-front. Install new type by-pass cond.

Resolder Connections to Potentiometer and By-Pass Condenser.

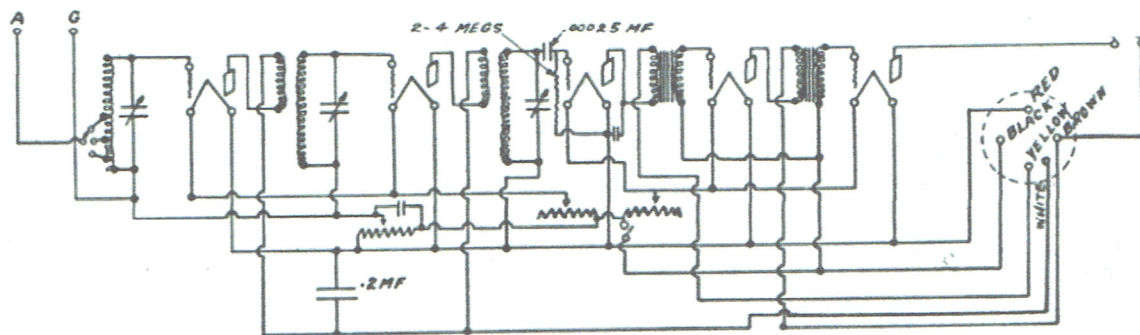


FIG. 29.

Note—This set has two R.F. rheostats (one for each R.F. tube) —F1R connects to the slider lead