Model 20 No. 4640 Receiver—Test Chart, Continuity Table and Diagram

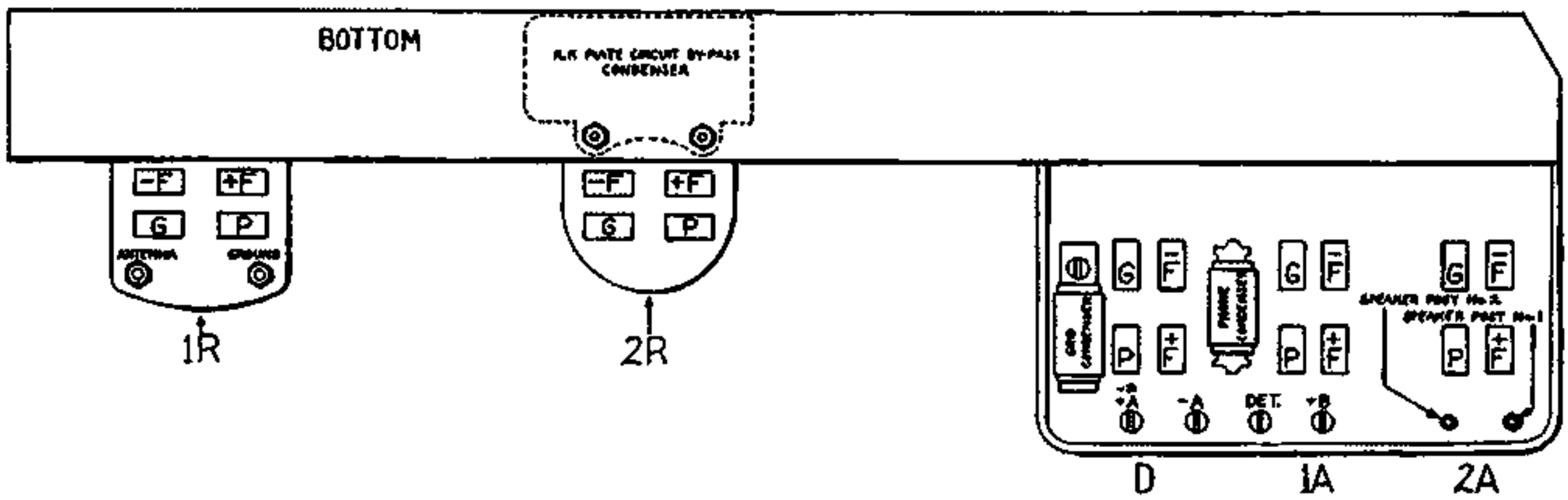

FIG. 34.

(For Following Tests, Place Filament Switch "On" and Rheostats Barely "On")

TEST FROM	Correct Reading	WRONG READING INDICATES	REMARKS and FURTHER POSSIBILITIES
—A POST to			
—F1R, —F2R, Ground Post.	*Full*	Open in R.F. filament rheo. or connections.	
—FD, —F1A, —F2A	*Full*	Open in Det.-A.F. fil. rheo. or connections.	
Antenna Post.	*Full*	Open antenna coil or connection.	Test with antenna switch on each of 3 points.
+B Post.	*None*	Shorted R.F. by-pass condenser or grounded R.F.-1st A.F. plate circuit.	If necessary, unsolder by-pass condenser connection and test separately. Examine plate circuits for accidental grounds.
G1R	*Nearly Full*	Open antenna coil or first grid resistor.	Test sec. and grid res. separately. Grid resistors are mounted on back of R.F. var. condensers.
G2R	*Nearly Full*	Open secondary No. 1 R.F.T. or open second grid resistor.	Test sec. and grid res. separately. Grid resistors are mounted on back of R.F. var. condensers.
GD	*None*	Shorted detector grid condenser.	
G1A	*Partial*	None—Open secondary No. 1 A.F.T.	Full—Shorted secondary.
G2A	*Partial*	None—Open secondary No. 2 A.F.T.	Full—Shorted secondary.
Stator of Detector Variable Condenser.	*Full*	Open secondary No. 2 R.F.T.	
+A, —B POST to			
+F of All Sockets.	*Full*	Open positive filament circuit.	
PD	*None*	Shorted phone condenser.	
+20 (DET.) POST to			
PD	*Partial*	None—Open primary No. 1 A.F.T.	Full—Shorted primary.
+B POST to			
P1R	*Full*	Open primary No. 1 R.F.T.	
P2R	*Full*	Open primary No. 2 R.F.T.	
P1A	*Partial*	Open primary No. 2 A.F.T.	Full—Shorted primary.
Speaker Post No. 2.	*Full*	Open connection.	

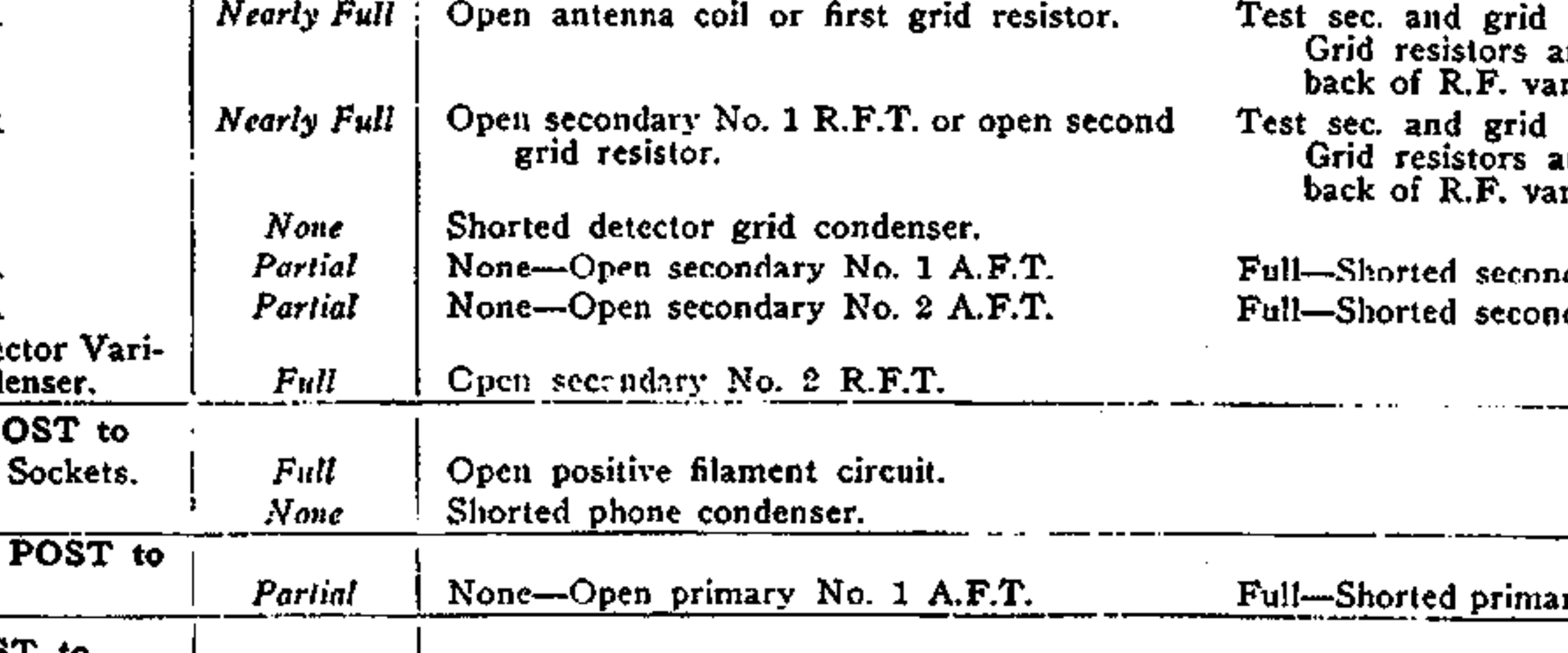

FIG. 35.