

TESTING OF PRE-1925 BATTERY TYPE TUBES

The following data will allow testing of the older "battery" type tubes on Hickok #530, #600, and #6000 series tube testers. Due to the fact that most of these tubes have not had voltages applied for many years, the tubes should be allowed to operate for up to 30 minutes in the tube checker before any conclusions are reached as to their condition, especially when the meter indication is erratic. If after this time there is no improvement, there is still the possibility of rejuvenation. See - Rejuvenation Of Vacuum Tubes, OTB 14-3-20 (Lane Upton).

Adaptors can be easily constructed for testing the tubes that do not have the standard UX (long) pins. It should be noted that all test set-up data is based on using the 4 pin socket connected with the standard 201A pin configuration. The filament wires should be #16 and every effort made to assure that full filament voltage is at the tube pins, especially with the one ampere tube filaments. If full rated filament voltage is not attained, the LINE ADJUST can be raised to correct. A slight increase in the line voltage may make the tube tester read slightly high, but it is more important to have the correct filament voltage.

SUPPLEMENTARY DATA HICKOK #530 & #600 SERIES

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG.	MUT. PRESS COND.	NOTATIONS
WD-11, WX-12	1.1	JR-3200-0	57	73	P4 430	
V-99, X-99	3.0	JR-3200-0	57	73	P4 425	OK above 270
112	5.0	JR-3200-0	45	68	P4 1650	
120	3.0	JR-3200-0	71	73	P4 525	OK above 325
200/A	5.0	JR-3200-0	33	28	P4 665	
201/A	5.0	JR-3200-0	48	32	P4 725	
240	5.0	JR-3200-0	32	73	P4 200	OK above 125

SUPPLEMENTARY DATA HICKOK #6000 SERIES

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG.	MUT. FUNC. COND.	NOTATIONS
WD-11, WX-12	1.1	ER-3200-0	57	73	A 430	
V-99, X-99	3.0	ER-3200-0	57	73	A 425	OK above 270
112	5.0	ER-3200-0	45	68	A 1650	
120	3.0	ER-3200-0	71	73	A 525	OK above 325
200/A	5.0	ER-3200-0	33	28	A 665	
201/A	5.0	ER-3200-0	48	32	A 725	
240	5.0	ER-3200-0	32	73	A 200	OK above 125