

WESTERN ELECTRIC ELECTRON (VACUUM) TUBE TEST DATA  
KS-5727-L1 HICKOK TUBE TESTER

1. GENERAL

1.01 Methods of making tests with the KS-5727-L1 Hickok Tube Tester are covered in the section numbered 100-630-101.

1.02 Issue 3 replaces Issue 2. The main reason for the new issue is to relax the test limits on three of the tubes. The new limits are necessary in order to avoid discarding serviceable tubes prematurely.

TUBE TYPE	FIL. SELECTORS	POTENT. BIAS	ENG.	SIGNAL-MICRO-MHOS SW. AND METER RANGE	MICROMHOS METER RDG.		MAX. % CATH. ACT.	PRESS	OPERATING NOTES
					FIL ACT SW. NORM	NOM. MIN.			
101D, D86326, D92437	4.3	JR3200-0	55	-	HIGH 3000	1000	800	25	P4 Alden 914 WEB Adapt.
101F, J, L, M	4.3	JR3200-0	53	-	HIGH 3000	1050	800	25	P4 Alden 914 WEB Adapt.
101FA	4.3	JR3200-0	48	-	HIGH 3000	1100	1050	25	P4 Alden 914 WEB Adapt.
102D, E, G	2.0	JR3200-0	25	-	HIGH 3000	400	330	20	P4 Alden 914 WEB Adapt.
102F, L	2.0	JR3200-0	25	-	HIGH 3000	480	400	20	P4 Alden 914 WEB Adapt.
104D, D86327	4.3	JR3200-0	75	-	HIGH 3000	1050	800	25	P4 Alden 914 WEB Adapt.
205D, E, F	5.0	JR3200-0	34	-	HIGH 3000	1150	1200	15	P4 Alden 978 WEB Adapt.
D156734	5.0	JR3200-0	34	-	HIGH 3000	1150	1200	15	P4
215A	1.1	JR3200-0	60	-	HIGH 3000	420	320	25	P4 Alden 972 Adapt.
231D	3.0	JR3200-0	49	-	HIGH 3000	500	400	25	P4
239A	1.1	JR3200-0	56	-	HIGH 3000	410	320	25	P4
244A	2.0	JR3204-0	42	-	HIGH 3000	875	660	25	P4
245A	2.0	JR0234-0	55	-	HIGH 3000	700	500	25	P4 Grid Cap
247A	2.0	JR3204-0	33	-	HIGH 3000	860	560	25	P4
257A	3.0	JR0200-0	49	-	HIGH 3000	500	400	25	P4 Grid Cap
259A, B	2.0	JR0234-0	33	-	HIGH 3000	1100	790	25	P4 Grid Cap
262A, B	10.0	JR0203-0	31	-	LOW 6000	850	600	25	P4 Grid Cap
264C	1.5	JR3200-0	54	-	HIGH 3000	580	440	25	P4
271A	5.0	JR3204-0	20	-	LOW 6000	2900	2100	25	P4
272A	10.0	JR3204-0	51	-	HIGH 3000	950	600	25	P4 Grid Cap
274A	(5.0)	JR0300-0	0	20	ENG;GD-REPL	-	-	NONE	P3
	(5.0)	JR0200-0	0	20	ENG;GD-REPL	-	-	NONE	P3
274B	(5.0)	HR0600-0	0	20	ENG;GD-REPL	-	-	NONE	P3
	(5.0)	HR0400-0	0	20	ENG;GD-REPL	-	-	NONE	P3
275A	5.0	JR3200-0	65	-	HIGH 3000	2400	1550	25	P4
283A	2.0	JR0234-0	28	-	HIGH 3000	1200	850	25	P4 Grid Cap
285A	2.0	JR0230-4	40	-	HIGH 3000	900	670	25	P4 Grid Cap
286A	2.0	JR0235-4	31	-	HIGH 3000	900	660	25	P4 Grid Cap
290A	10.0	JR0235-4	31	-	HIGH 3000	1020	755	25	P4 Grid Cap
291A	(10.0)	JR5436-2	30	-	HIGH 3000	360	250	30	P4 [Grid] Osc. Sect.
	(10.0)	JR0236-5	22	-	HIGH 3000	1000	-	NONE	[Cap] (Mod. Ampl. Section)
292A	(10.0)	JR0205-0	36	-	HIGH 3000	650	500	25	P4 Triode Sect.
	(10.0)	JR0405-2	0	21	ENG;GD-REPL	[DIODES OK]	NONE	P1	Diode #1
	(10.0)	JR0305-2	0	21	ENG;GD-REPL	[METER RANGE]	NONE	P1	Diode #2
293A	10.0	JR4235-0	41	-	HIGH 3000	1150	865	25	P4
294A	10.0	JR0234-0	41	-	HIGH 3000	1150	865	25	P4 Grid Cap
300A, B	5.0	JR3200-0	55	-	HIGH 6000	4000	2800	25	P4

SECTION 100-630-501

TUBE TYPE	FIL. SELECTORS	POTENT.		SIGNAL-MICRO-MHOS SW. AND METER RANGE	MICROMHOS METER RDG. FIL ACT SW. NORM		MAX. % CATH. ACT.	PRESS	OPERATING NOTES
		BIAS	ENG.		NOM.	MIN.			
303A	(2.0 JRO205-0)	36	-	HIGH 3000	625	475	25	P4	Grid Cap
	(2.0 JRO405-2)	0	21	ENG ;GD-REPL	[ DIODES OK ]		NONE	P1	Diode #1
	(2.0 JRO305-2)	0	21	ENG ;GD-REPL	[ METER RANGE ]		NONE	P1	Diode #2
307A	)5.0 JR3020-4	32	-	HIGH 3000	2400	2000	30	P4	[ Plate ] G1 Cont.
	)5.0 JRL020-3	32	-	HIGH 3000	1400	-	NONE	P4	[ Cap ] G3 Cont.
309A	10.0 JRO234-0	31	-	HIGH 3000	900	675	25	P4	Grid Cap
310A,B	10.0 JRO235-4	19	-	LOW 6000	1800	1230	25	P4	Grid Cap
311A	10.0 JRO234-0	38	-	HIGH 6000	2500	2000	20	P4	Grid Cap
328A	7.5 JRO235-4	19	-	LOW 6000	1800	1230	25	P4	Grid Cap
329A	7.5 JRO234-0	38	-	HIGH 6000	2500	2000	20	P4	Grid Cap
336A	10.0 JRL235-0	20	-	HIGH 6000	3800	2900	25	P4	
337A	10.0 JRO235-4	21	-	LOW 6000	1500	1130	25	P4	Grid Cap
339A	5.0 JR3020-4	26	-	HIGH 6000	3900	3200	25	P4	Plate Cap
347A	6.3 JRO407-0	30	-	HIGH 3000	900	630	25	P4	Grid Cap
348A	6.3 JRO347-5	19	-	LOW 6000	1700	1250	25	P4	Grid Cap
349A	6.3 JR5347-0	20	-	HIGH 6000	3800	2900	25	P4	Grid Cap
350A	6.3 JR3024-0	26	-	HIGH 6000	5650	4000	25	P4	Plate Cap
350B	6.3 JR5347-0	26	-	HIGH 6000	5650	4000	25	P4	
351A	(6.3 JRO507-2)	0	50	ENG ;GD-REPL	-	-	NONE	P3	
	(6.3 JRO307-2)	0	50	ENG ;GD-REPL	-	-	NONE	P3	
352A	)10.0 JRO205-0	36	-	HIGH 3000	625	475	25	P4	Grid Cap
	)10.0 JRO405-2	0	21	ENG ;GD-REPL	[ DIODES OK ]		NONE	P1	Diode #1
	)10.0 JRO305-2	0	21	ENG ;GD-REPL	[ METER RANGE ]		NONE	P1	Diode #2
367A	6.3 JRV6147-0	24	-	HIGH 15000	6000	4000	25	P4	
373A	2.0 JRL760-3	17	-	LOW 6000	1350	820	25	P4	
374A	3.0 JRL760-3	42	-	HIGH 3000	2650	1900	25	P4	
375A	20.0 JR5347-0	53	-	HIGH 6000	3300	2300	20	P4	
380A	6.3 HRO502-0	0	60	ENG ;GD-REPL	[ DIODES OK ]		40	P1(*)	
					[ METER RANGE ]				
381A	6.3 HRO502-0	0	60	ENG ;GD-REPL	[ DIODES OK ]		40	P1	
					[ METER RANGE ]				
383A	6.3 HRL602-0	25	-	LOW 6000	2700	885	30	P4	
384A	6.3 HR5032-8	15	-	LOW 6000	2350	1120	30	P4(*)	Plate Wire
385A	6.3 HR5032-8	15	-	LOW 6000	2350	1120	30	P4	Plate Cap
386A	6.3 HR5032-8	15	-	LOW 6000	3200	1750	30	P4(*)	Plate Wire
387A	6.3 HR5032-8	15	-	LOW 6000	3200	1750	30	P4	Plate Cap
→ 2C51/385A	(6.3 KR7608-2)	17	-	LOW 6000	4700	3000	25	P4	Section #1
→ 5603/398Aφ	(6.3 KR3402-8)	17	-	LOW 6000	4700	3000	25	P4	Section #2
	6.3 JRL760-3	37	-	HIGH 6000	5300	3400	25	P4	
399Aφ	1.1 DX6210-0	24	-	HIGH 3000	1000	600	NONE	P4	
400Aφ	(1.1 DX8216-5)	35	-	HIGH 3000	-	400	NONE	P4	[ Short ] G1 Test
	(1.1 DX6218-5)	35	-	HIGH 3000	-	200	NONE	P4	[ on 2 ] G3 Test
5590/401Aφ	6.3 JR3562-0	29	-	LOW 6000	1800	800	30	P4	
6AS5/403A	6.3 JR3562-0	10	-	LOW 6000	4200	2800	25	P4	
5591/403B	6.3 JR3562-0	10	-	LOW 6000	4200	2800	25	P4	
404A	6.3 DZ1681-0	6	-	LOW 15000	7500	5500	25	P4	
→ 407A	(20.0 KV7608-2)	17	-	LOW 6000	4700	3000	25	P4	Section #1
→ 408A	(20.0 EV3402-8)	17	-	LOW 6000	4700	3000	25	P4	Section #2
	6.3 JR3562-0	10	-	LOW 6000	4200	2800	25	P4	
6AS6/409A	6.3 JR3562-7	10	-	LOW 6000	2200	1500	25	P4	
412A	(6.3 EV0907-3)	0	45	ENG ;GD-REPL	-	-	NONE	P3	Section #1
	(6.3 EVO103-7)	0	45	ENG ;GD-REPL	-	-	NONE	P3	Section #2
414A	6.3 JR3562-0	37	-	LOW 6000	1350	850	25	P4	
CK108	6.3 JRO235-4	21	-	LOW 6000	1250	850	25	P4	
CK113	(50.0 JR5347-6)	48	71	HIGH 3000	1800	1260	25	P4	Pentode Sect.
	(50.0 JRO602-3)	0	50	ENG ;GD-REPL	-	-	NONE	P3	Rect. Sect.
TS251	)50.0 JR5347-6	50	68	HIGH 3000	1800	1260	25	P4	Pentode Sect.
	)50.0 JRO602-3	0	50	ENG ;GD-REPL	-	-	NONE	P3	Rect. Sect.

→ (\*) Use the adapter shown in Fig. 11 of Section (100-633-101).

φ When these tubes are used in M1 Carrier or any modification thereof, the testing procedures and limits given in the maintenance practices for that system should be followed instead of those given herein.