

AAA-1 DIAGNOMETER TUBE TESTING TABLE

Amplifying types of radio tubes should generally be discarded when the difference between the two "MILLIAMMETER" readings of plate current, corresponding to the two positions of the "ZERO-BIAS" toggle switch, is less than the "Discard Plate Current Difference" shown in the fifth column for each type of tube. The "GAS" button should not be depressed in determining this difference

Type of Tube	Fil-Hrt Selector Setting	Fil-Hrt Toggle Position	TUBE CHECKER SOCKET	Discard Plate Current Difference
'01-a	5.0	Fil.	Left "Tube Tests"	1.6
'10	7.5	Fil.	Left "Tube Tests"	1.9
'12-a	5.0	Fil.	Left "Tube Tests"	3.4
'20	3.3	Fil.	Left "Tube Tests"	1.8
'22	3.3	Fil.	Right "S. G. Tests"	0.2
'24	2.5	Htr.	Right "S. G. Tests"	0.4
'26	1.5	Fil.	Left "Tube Tests"	2.2
'27	2.5	Htr.	Left "Tube Tests"	2.2
29	2.5	Htr.	Left "Tube Tests"	1.0
'30	2.0	Fil.	Left "Tube Tests"	1.3
'31	2.0	Fil.	Left "Tube Tests"	4.0
'32	2.0	Fil.	Right "S. G. Tests"	0.2
'33	2.0	Fil.	"Pentode Tests"	5.4
'34	2.0	Fil.	Right "S. G. Tests"	0.3
'35	2.5	Htr.	Right "S. G. Tests"	0.5
'36	6.3	Htr.	Right "S. G. Tests"	0.5
'37	6.3	Htr.	Left "Tube Tests"	2.2
'38	6.3	Htr.	Right "S. G. Tests"	1.3
'39	6.3	Htr.	Right "S. G. Tests"	0.5
'40	5.0	Fil.	Left "Tube Tests"	0.1
41	6.3	Htr.	"Pentode Tests"	5.5
42	6.3	Htr.	"Pentode Tests"	5.3
44	6.3	Htr.	Right "S. G. Tests"	0.6
'45	2.5	Fil.	Left "Tube Tests"	5.4
46	2.5	Fil.	"Pentode Tests"	5.6
'47	2.5	Fil.	"Pentode Tests"	4.2
49	2.0	Fil.	"Pentode Tests"	4.6
'50	7.5	Fil.	Left "Tube Tests"	5.2
'51	2.5	Htr.	Right "S. G. Tests"	0.5
56	2.5	Htr.	Left "Tube Tests"	3.7
57	2.5	Htr.	Right "S. G. Tests"	0.6
58	2.5	Htr.	Right "S. G. Tests"	0.6
59	2.5	Htr.	Right "Tube Tests"	5.8
69	6.3	Htr.	Left "Tube Tests"	0.7
'71-a	5.0	Fil.	Left "Tube Tests"	6.3
'80	5.0	Fil.	Left "Tube Tests"	21.0*
'81	7.5	Fil.	Left "Tube Tests"	19.0
82	2.5	Fil.	Left "Tube Tests"	29.0*
83	5.0	Fil.	Left "Tube Tests"	29.0*
483	5.0	Fil.	Left "Tube Tests"	6.0
485	3.3	Htr.	Left "Tube Tests"	2.5
85	6.3	Htr.	Left "S. G. Tests"	0.6
89	6.3	Htr.	Right "S. G. Tests"	1.5
'99	3.3	Fil.	Left "Tube Tests"	0.8
G-2S	2.5	Htr.	Left "S. G. Tests"	2.8*
G-4S	2.5	Htr.	Left "S. G. Tests"	2.7*

*Only one reading per plate is required for rectifying types of radio tubes, and such tubes should be discarded when the plate current readings are less than those indicated above. When new tubes are announced, a replacement of this table will be furnished for 25c.

SUPREME INSTRUMENTS CORPORATION
GREENWOOD, MISSISSIPPI

CAPACITY CHART

AAA-1 Diagnometer

MULTI-METER
READINGS

CAPACITY
MICROFARADS

	MULTI-METER READINGS	CAPACITY MICROFARADS
100-VOLT RANGE	6.0 -----	0.001
	10.6 -----	0.0015
	14.0 -----	0.002
	18.0 -----	0.0025
	21.4 -----	0.003
	27.6 -----	0.004
	33.7 -----	0.005
	39.4 -----	0.006
	48.0 -----	0.0075
	61.0 -----	0.01
	84.0 -----	0.015
	100.0 -----	0.02
25-MIL. RANGE	1.5 -----	0.02
	3.5 -----	0.05
	6.5 -----	0.1
	11.25 -----	0.2
	13.6 -----	0.25
	19.4 -----	0.4
	22.5 -----	0.5
100-MIL. RANGE	24.0 -----	0.5
	38.7 -----	1.0
	49.0 -----	2.0
	54.9 -----	3.0
	58.0 -----	4.0
	61.0 -----	5.0
	63.0 -----	6.0
	64.0 -----	7.0
	65.0 -----	8.0
	66.0 -----	9.0
	66.5 -----	10.0

R. M. A. Standards allow a tolerance of plus or minus 10% in capacity ratings of standard commercial paper capacitors.

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