

SUPPLEMENTARY MUTUAL CONDUCTANCE TEST DATA FOR WESTON MODEL 798 TYPE 5B AND H1 CONVERSIONS

USE ADAPTERS IN REGULAR OCTAL SOCKET UNLESS OTHERWISE SPECIFIED

A=TEST IN "A" SOCKET B=TEST IN "B" SOCKET

TUBE TYPE	FILAMENT VOLTS	NORMAL					REMARKS
		A	B	C	D	Range Gm	
1AE4.	1.5	5	4	10	35	3000	Med. Ep, Lights on 1, F
1AE4.	1.5	5	4	10	42	3000	Med. Ep, Lights on 1, F
1AF4.	1.5	5	4	10	25	3000	Med. Ep, Lights on 1, F
1AF4.	1.5	5	4	10	45	3000	Med. Ep, Lights on 1, F
1AF5.	1.5	14	11	8	27	3000	Med. Ep, F
1AF5.	1.5	8	11	8	47	3000	Med. Ep, F
1L6	1.5	0	10	10	43	3000	Med. Ep, F, use adapter #2 in octal "B" socket
	1.1	-	2	1	50	Rect.	Spec. Ep, Rejection Point is 200 on 3000 range, use adapter #6
2E24.	6.3	20	1	1	25	6000	G-B scale Plate Cap, use adapter #1
2V3.	2.5	-	7	8	50	Diode	G-B scale Plate Cap, F
3B4.	2.5	30	1	1	5	3000	F, Use Adapter #5
3B4.	2.5	30	1	1	15	2000	F, Use Adapter #5
3B4.	2.5	0	1	1	28	Rect.	Spec. Ep, Plate Cap, F, Use adapter #7 in regular octal socket
3B4.	2.5	16	1	10	33	3000	Med. Ep, Lights on 1, F
3B4.	2.5	16	1	10	43	3000	Med. Ep, Lights on 1, F
3B4.	2.5	9	5	1	0	3000	F
3B4.	3.3	9	5	1	27	3000	G-B scale F
6A.	6.3	20	10	4	43	12000	Adapter #3
6A5.	6.3	10	10	4	50	12000	Adapter #3
6AV6.	6.3	19	10	4	41	12000	Use Adapter #3
6B.	6.3	15	10	4	50	12000	Use Adapter #3
6B.	6.3	0	10	8	25	12000	Use Adapter #3

TUBE TYPE	FILAMENT VOLTS		A	B	C	D	Gm RANGE	NORMAL Gm	REMARKS
6BD5.	6.3	17	10	4	37	6000	5000	Use Adapter #3	
6BD5.	6.3	17	10	4	37	6000	G-B scale	Use Adapter #3	
6BD6.	A6.3	20	10	8	25	3000	2000		
6BD6.	A6.3	20	10	8	33	3000	G-B scale		
6BF5.	A6.3	24	4	8	34	6000	4200	Lights on 1,4	
6BF5.	A6.3	24	4	8	38	6000	G-B scale	Lights on 1,4	
6BQ7.	6.3	0	5	5	24	12000	6000	Spec. Ep, Pl & P2	
6BQ7.	6.3	0	5	5	35	12000	G-B scale	Spec. Ep, Pl & P2	
6R8.	6.3	9	9	5	33	3000	1900	Use Pl, Grid on Adapter Cap. Tr use Adapter #4	
6R8.	6.3	9	9	5	40	3000	G-B scale	Use Pl, Grid on Adapter Cap. Tr use Adapter #4	
6R8.	6.3	-	6	9	40	Diode	G-B scale	Low Ep, Pl & P2 Grid on Adapter Cap. Diodes 1 & 3	
6R8.	6.3	-	11	8	40	Diode	G-B scale	Low Ep, Plate on Adapter Cap, Lights on 4, Diode 2	
6S4.	6.3	15	12	3	38	6000	4500	Use Adapter #8	
6SL.	6.3	15	12	3	38	6000	G-B scale	Use Adapter #8	
6T8.	6.3	12	9	5	44	3000	1200	Grid on Adapter Cap, Tr. use Adapter #4	
6T8.	6.3	5	9	5	48	3000	G-B scale	Grid on Adapter Cap, Tr. use Adapter	
6T8.	6.3	-	6	9	40	Diode	G-B scale	Lo Ep, Pl & P2 Grid on Adapter Cap, Diodes 1 & 3	
6T8.	6.3	-	11	8	40	Diode	G-B scale	Lo Ep, Plate on Adapter Cap, Light on 4 Diode 2	
6V8.	6.3	6	7	12	44	3000	1300	Use P2, Grid on Adapter Cap, Spec. Ep Adapter #4	
6V8.	6.3	5	7	12	50	3000	G-B scale	Use P2, Grid on Adapter Cap, Spec. Ep.	
6V8.	6.3	-	8	6	42	Diode	G-B scale	Lo Ep, Pl & P2, Grid on Adapter Cap, Diodes 2 & 3	
6V8.	6.3	-	11	8	42	Diode	G-B scale	Lo Ep, Plate on Adapter Cap, Diode 1	
6R8.	6.3	9	9	5	33	3000	1900	Use Pl, Grid on Adapter Cap. Tr. use Adapter #4	
6R8.	6.3	9	9	5	40	3000	G-B scale	Use Pl, Grid on Adapter Cap, Tr, use Adapter #4	
6R8.	6.3	-	6	9	40	Diode	G-B scale	Low Ep, Pl & P2, Grid on Adapter Cap, Diodes 1 & 3	
6R8.	6.3	-	11	8	40	Diode	G-B scale	Low Ep, Plates on Adapter Cap, Light on 4, Diode 2	
6S4	6.3	15	12	3	38	6000	4500	Use Adapter #8	
6S4	6.3	15	12	3	38	6000	G-B scale	Use Adapter #8	
6T8.	6.3	12	9	5	44	3000	1200	Use Pl, Grid on Adapter, Cap, Tr, use Adapter #4	
6T8.	6.3	5	9	5	48	3000	G-B scale	Grid on Adapter Cap, Tr. use Adapter #4	

TUBE TYPE	FILAMENT		A	B	C	D	Cm RANGE	NORMAL Cm	REMARKS
	VOLTS								
6T8.	6.3		-	6	9	40	Diode	G-B scale	Lo Ep, P1 & P2 Grid on Adapter Cap Diodes 1 & 3. Lo Ep, Plate on Adapter Cap, Light on 4, Diode 2. Use P2, Grid on Adapter Cap, Spec. Ep use Adapter 4 Use P2, Grid on Adapter Cap, Spec. Ep use Adapter 4 Lo Ep, P1 & P2, Grid on Adapter Cap Diodes 2 & 3. Lo Ep, Plate on Adapter Cap, Diode 1.
6T8.	6.3		-	11	8	40	Diode	G-B scale	
6V8.	6.3		6	7	12	44	3000	1300	
6V8.	6.3		5	7	12	50	3000	G-B scale	
6V8.	6.3		-	8	6	42	Diode	G-B scale	
6V8.	6.3		-	11	8	42	Diode	G-B scale	
6W6.	6.3		38	1	2	50	12000	G-B scale	
7AJ7.	6.3		22	6	6	37	3000	1575	
7AJ7.	6.3		22	6	6	41	3000	G-B scale	
7X6.	6.3		-	8	7	10	Rect.	G-B scale	Med. Ep, P1 & P2.
12AT7.	13		3	5	5	36	6000	4400	P1 & P2
12L8.	A13		37	9	11	39	3000	2150	Pent 1, use Adapter #9 in "A" socket
12L8.	A13		37	9	2	39	3000	2150	Pent 2, use Adapter #9 in "A" socket
12L8.	A13		37	9	11	42	3000	G-B scale	Pent 1, Use Adapter #9
12L8.	A13		37	9	2	42	3000	G-B scale	Pent 2, use Adapter #9
19C8.	19		6	9	5	38	3000	1250	Spec. Ep, Grid on Cap. use Adapter #4
19C8.	19		6	9	5	42	3000	G-B scale	Spec. Ep, Grid on Cap. use Adapter #4
19C8.	19		-	6	9	40	Diode	G-B scale	Lo Ep, P1 & P2, Grid on Adapter Cap, Diodes 1 & 3.
19C8.	19		-	11	8	40	Diode	G-B scale	Lo Ep, Plate on Adapter Cap, Light on 4, Diode 2.
19T8.	19		12	9	5	44	3000	1200	Grid on Adapter Cap, Tr, use Adapter #4
19T8.	19		5	9	5	48	3000	G-B scale	Grid on Adapter Cap Tr, use Adapter
19T8.	19		-	6	9	40	Diode	G-B scale	Lo Ep, P1 & P2, Grid on Adapter Cap, Diodes 1 & 3
19T8.	19		-	11	8	40	Diode	G-B scale	Lo Ep, Plate on Adapter Cap, Light on 4, Diode 2

<u>TUBE TYPE</u>	<u>FILAMENT VOLTS</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>G_m RANGE</u>	<u>NORMAL G_m</u>	<u>REMARKS</u>
19V8.	6.3	6	7	12	44	3000	1300	Use P2, Grid on Adapter Cap, Spec. Ep use Adapter 4
19V8.	6.3	5	7	12	50	3000	G-B scale	Use P2, Grid on Adapter Cap, Spec. Ep use Adapter 4
19V8.	6.3	-	8	6	42	Diode	G-B scale	Lo Ep, Pl & P2, Grid on Adapter Cap Diodes 2 & 3.
19V8.	6.3	-	11	8	42	Diode	G-B scale	Lo Ep, Plate on Adapter Cap, Diode 1.
25AV5.	27.5	15	10	4	50	12000	G-B scale	Use Adapter #3
25AV5.	27.5	19	10	4	41	12000	5500	Use Adapter #3
25BQ6	27.5	41	7	2	37	6000	G-B scale	
26A7.	A27.5	28	9	11	50	12000	5500	Pent. 1 Med. Ep use Adapter #9 in "A" socket
26A7.	A27.5	28	9	2	50	12000	5500	Pent. 2 Med. Ep use Adapter #9 in "A" socket
28D7.	27.5	7	3	12	46	6000	G-B scale	Med. Ep, Light on 4, use Adapter #10
28D7.	27.5	7	12	12	46	6000	G-B scale	Med. Ep, Light on 4, use Adapter #10
403A.	A6.3	10	10	8	27	6000	5000	
403A.	A6.3	10	10	8	27	6000	G-B scale	
404A.	6.3	5	1	7	34	12000	G-B scale	Use Adapter #12 in regular octal socket
409A.	A6.3	5	6	8	13	6000	3500	
409A.	A6.3	5	6	8	30	6000	G-B scale	
5763.	6.3	15	12	3	39	12000	7000	Use Adapter #4
5763.	6.3	15	12	3	45	12000	G-B scale	Use Adapter #4
5847	6.3	5	1	7	34	12000	G-B scale	Use Adapter #12 in regular octal socket
CK5686	6.3	27	5	4	44	6000	3100	Use P2, Lights on 2

SUB MINIATURES

<u>TUBE TYPE</u>	<u>FILAMENT VOLTS</u>	<u>FILAMENT</u>				<u>Cm</u>	<u>RANGE</u>	<u>NORMAL</u>	<u>REMARKS</u>
		<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>				
1S6	1.1	5	1	1	30	3000	Diode	500	Med. Ep, Use P1, Use Adapter #14
1S6	1.1	0	1	1	50			-	Lo Ep, Use P2, Use Adapter #14
1T6	1.1	5	1	1	30	3000	Diode	500	Med. Ep, Use P1, Use Adapter #14
1T6	1.1	0	1	1	50			-	Lo Ep, Use P2, Use Adapter #14
6AD4	6.3	17	1	1	48	3000		2400	Use Adapter #14
6BA5	6.3	15	12	9	39	6000		3300	Use Adapter #14
6BF7	6.3	3	5	8	33	6000		4800	Use Adapter #11
6BG7	6.3	3	5	8	33	6000		4800	Use Adapter #11
6K4	6.3	5	1	1	16	12000		5500	Use Adapter #14
CK503AX	1.1	22	4	2	43	3000		1100	F, Med Ep, Use Adapter #17
CK506AX	1.1	27	4	2	33	3000		1000	F, Med Ep, Use Adapter #17
CK518AX	1.1	22	4	2	43	3000		1100	F, Med Ep, Use Adapter #17
CK533AX	1.1	4	4	2	50	3000		600	F, Med Ep, Use Adapter #17
CK605CX	6.3	6	10	6	11	12000		5000	Use Adapter #15
CK606BX	6.3	0	4	6	36	Diode		-	Lo Ep, Use Adapter #18
CK608BX	6.3	5	10	12	17	12000		5000	Use Adapter #16
CK5702	6.3	6	10	6	11	12000		5000	Use Adapter #15
CK5703	6.3	5	10	12	17	12000		5000	Use Adapter #16
CK5704	6.3	0	4	6	36	Diode		-	Lo Ep, Use Adapter #18

INSTRUCTIONS: WIRING ADAPTERS FOR MODEL 798 TYPE 5B AND R1 CONVERSIONS

Adapter #1

50 - 8 SD Amphenol Part # 44-8

Wire Pin # of
of Octal Male Adapter Female
Adapter to Socket

2 2
3 1
5 5
7 7
8 8
1,4 & 6 open 3,4 & 6 open
To be used with:
2E24

Adapter #2

Amphenol Part # 44-17-8

Wire RMA Pin #
of 7 Pin Minia-
ture Socket to Base

1 2
2 4
3 3
4 8
5 7
6 1
7 6
5 open

To be used with: 1L6

Adapter #3

50 - 85D Amphenol Part # 44-8

Wire Octal
Base Adapter
Pin Number to Octal
Socket Pin Number

1 through 500 Ohms 1
2 2
4 3
5 5
7 7
8 8
3 & 6 open 4 & 6 open

To be used with:
6AU5, 6AV5, 6BD5, 25AV5

Adapter #4

44 - 9 Amphenol Part # 50-85G

Wire Noval
Socket
Pin Number to Octal Socket
Adapter Pin Number

1 6
2 Cap of Adapter
3 1
4 2
5 7
6 3
7 8
8 4
9 5

To be used with: 6R8, 6T8, 6V8, 19C8, 19T8, 19V8, 5763

Adapter #5

Amphenol Part # 44-17-8

<u>Wire Pin #</u> of Octal <u>Male Adapter</u>	to	<u>Pin # of 7 Pin</u> Miniature <u>Socket</u>
1		1
2		4
3		7
5		3
7		5
4,6 & 8 open		2 & 6 open

To be used with: 3B4

Adapter #6

Amphenol Part # 44-17-8

<u>Wire Pin #</u> in Adapter <u>Top</u>	to	<u>Pin # in</u> Adapter <u>Base</u>
1		7
3		2
4		All others open
6		
2		
5		
7		

To be used with: 1Z2

Adapter #7

44 - 4 Amphenol 50-85G

<u>Wire RMA Pin #</u> of 4 Pin <u>Socket</u>	to	<u>RMA Pin # of</u> Octal Adapter <u>Base</u>
2 & 4		2
1		7
All others open		All others open

To be used with: 3B24

Adapter #8

44 - 9 Amphenol Part # 50-8 SG

<u>Wire Noval</u> <u>Socket</u> <u>Pin Number</u>	to	<u>Regular Octal</u> <u>Socket Adapter</u> <u>Pin Number</u>
2		8
4		7
5		2
6		4
9		6
All others open		All others open

To be used with: 6S4

Adapter #9

50 - 8SD Amphenol Part # 44-8

Wire Octal Socket Adapter	to	Octal Socket Pin Number
<u>Pin Number</u>		

7	6
8	7
1	1
2	2
3	3
4	4,5
6	8

To be used with: 12 L8, 26A7
in "A" socket

Adapter #11

Wire RMA Pin #

of Octal

Adapter Base

to

1 2 3 4 5 6 7 8

RMA Pin # of
8 Pin

Subminiature Socket

1 3 4 2 5 8 6 7

To be used with: 6BF7, 6BG7

Adapter #10

50 - 8SG Amphenol Part # 44L

Wire RMA Pin # of Octal Socket Adapter	to	RMA Pin # of Octal Socket
<u>Socket Adapter</u>		

1	4
2	8
3	2
4	6
5	7
6	3
7	1
8	5

To be used with 28D7

Adapter #12

44 - 8

Amphenol Part # 50-8SG

1 2 3 4 5 6 7 8 9

4
open
2
5
open
3
open
1
7

To be used with: 404A/5847

Adapter #14

For Radial or Random Lead Subminiature Tubes test in the Regular Octal Socket using Sylvania T3 Adapter socket, Sylvania Part #V24-198

To use as adapter for 6AD4 and 6K4, Connect as follows:

Tube Element Connected to Octal Socket
RMA Pin No.

- | | |
|---|-------------------|
| 2 | Filament (Lead 3) |
| 7 | Filament (Lead 4) |
| 8 | Cathode (Lead 5) |
| 5 | Grid (Lead 2) |
| 3 | Plate (Lead 1) |

Adapter for 6BA5 Connect

- | | |
|---|------------------|
| 2 | Heater (Lead 4) |
| 7 | Heater (Lead 6) |
| 1 | Plate (Lead 1) |
| 8 | Cathode (Lead 2) |
| 3 | Grid 1 (Lead 3) |
| 5 | Grid 2 (Lead 5) |

Adapter #15

CK 5702 Adapter

7 6 5 4 3 2 1



7 Pin Socket Pin No. to Octal Socket Adapter Pin. No.

- | | |
|---|-----|
| 1 | 3 |
| 2 | 8 |
| 3 | 2-4 |
| 4 | 7-3 |
| 5 | 5 |
| 6 | 4 |
| 7 | 6 |

Adapter #16

CK 5703 Adapter

5 4 3 2 1



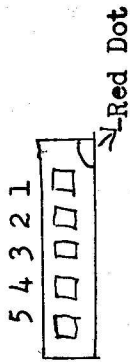
5 Pin Socket Pin No. to Octal Adapter Pin No.

- | | |
|---|---|
| 1 | 8 |
| 2 | 2 |
| 3 | 7 |
| 4 | 5 |
| 5 | 4 |

Adapter #17

Adapter for CK503AX, CK506AX,
CK518AX, CK533AX

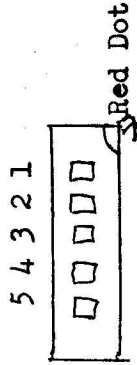
Use a Raytheon 5AX51 Adapter or Wire a 5 Pin
Socket to Octal Adapter.



<u>5 Pin Socket</u> <u>Pin No.</u>	to	<u>Octal Adapter Pin No.</u>
1		3
2		4
3		2
4		5
5		7

Adapter #18

CK 5704 Adapter



<u>5 Pin Socket</u> <u>Pin No.</u>	<u>Octal Adapter</u> <u>Pin No.</u>
1	3
2	2
3	7
4	5
5	open

Adapter #19

Tube Base
Number

Regular Octal
Socket Adapter
Pin Number

to

1	3
2	open
3	6
4	7
5	2
6	4
7	open
8	1

CK5787

VOLTAGE REGULATOR

1. Set Filament volts to 19.
2. Line Control set to minimum (counterclockwise).
3. Index B switch to 4.
4. Index C switch to 2.
5. Index Selector to VR Test & Place CK5787 Adapter in regular octal socket.
6. Rotate Line Control and note firing potential limits are from 110 to 145V.
7. If tube fires within limits, note regulation by increasing filament volts to 70. Regulation should be within 3 volts.

CK 5787 Adapter

5 Pin Socket Pin No.	to	Octal Adapter Pin No.
1		2
2		3
3		2
4 & 5		open