

Tube Type
Fil. Selector
Tube Selector
"In" Position
2nd Plate

01A	1	1V	15	19	1A4	1A6	1A6	1B5	1B5	1C6	1C6	1C7G	1C7G	1D5G	1D7G
5	6	43	2	2	2	2	2	2	2	2	2	2	2	2	2
33	B	BCE	BC	BCE	CF	BCEFG	BG	C	CF	BCEFG	BD	BCDEF	BCE	BD	
BC		FG													

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1D7G	1E5G	1E7G	1F4	1F5G	1F6	1F6	1F7G	1F7G	1H4G	1H6G	1H6G	1J6G
2	2	2	2	2	2	2	2	2	2	2	2	2
18	21	27	24	25	20	0	16	0	22	17	0	22
BCDEF	BCE	BCG	BCG	BCD	BCE	F	BEF	C	BD	BF	C	BC
		DFG				G		D			D	DF

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2	20	22	24A	26	27	2A3	2A5	2A6	2A6	2A7	2A7	2B7	2B7	3	30	32	33
4	4	3	1	3	3	3	3	3	3	3	3	3	3	4	2	2	2
9	8	39	35	38	43	40	40	40	0	40	42	36	0	9	19	19	24
BC	BCE	BCE	BC	BC	BC	BCF	BE	C	0	DF	BCDEF	BCE	D	BC	BCE	BC	BC
									F				F				

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35	36	37	38	39	4	41	42	43	45	47	5	50	53	55	55	56	57	58
3	6	6	6	6	4	6	6	9	3	3	5	7	3	3	3	3	3	3
40	41	39	39	40	9	41	41	43	39	39	6	38	41	37	0	40	42	42
BCE	BCE	BC	BCE	BCE	4	BCF	BCF	BCF	BC	BCG	6	BC	BC	BE	C	BC	BCEF	BCEF
											FG			F				

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59	5T4	5V4G	5W4	5X4G	5Y3G	5Y4G	5Z3	5Z4	6	6A3	6A4	6A6	6A7	6A7	6A8	6A8
3	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6
41	41	44	36	41	37	35	39	42	43	39	41	38	40	39	40	40
BCDF	C	C	C	B	C	B	B	C	BC	BCG	BC	DF	BCDEF	DF	BCDEF	BCDEF
	F	F	F	D	F	D	C	F				FG				

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6B5	6B6	6B6	6B7	6B7	6B8	6B8	6C5	6C6	6D5	6D6	6D8G	6D8G	6E5	6F5	6F6	6F7
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
37	41	0	37	0	35	0	40	41	39	40	39	41	19	42	41	18
BCF	BE	C	BCE	D	BEF	C	BD	BCEF	BD	BDEF	BD	BCDEF	BCF	CE	BCD	DF
		D		F		D										

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6F7	6G5	6H6	6J5G	6J7	6K5G	6K7	6L6	6L7	6N6G	6N6G	6N7	6P7G	6S7G	6V7G	6V7G
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
38	36	0	43	40	43	40	43	44	36	40	41	38	41	35	0
BCE	BCF	B	BD	BCDE	BE	BCDE	BCD	BCDE	CD	BCD	BD	CDEF	BCE	BE	C
		D									CF				D

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6U7G	6X5	7	71A	75	76	77	78	79	8	80	81	82	83V	84	85	85	89
6	6	5	5	6	6	6	6	6	5	5	7	3	5	6	6	6	6
41	43	39	41	0	42	40	40	41	35	30	44	43	42	37	0	40	40
BCDE	B	BC	BE	C	BC	BCEF	BCEF	BC	B	B	B	B	B	BE	C	BCEF	BCEF
	D			F				GE	C	C	C	C	C		F		

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9	99	1	12A5	12A7	12Z3	12Z5	2	25A6	25A7G	25A7G	25B5	25L6	25N6G
4	4	8	8	8	8	8	9	9	9	9	9	9	9
0	0	39	40	44	43	39	43	41	0	40	45	36	36
BC	BC	BCD	BCE	F	B	B	BCD	BCD	F	BCF	BCD	CD	CD
					G								

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25N6G	25Y5	25Z3	25Z5	25Z6
9	9	9	9	9
40	41	42	44	44
BCD	B	B	B	B
	G	G	D	

THE FOLLOWING HAVE EQUIVALENT TEST READINGS:

00A = 71A	1423 = 12Z3	43MG = 25A6	57AS = 77	6E6 = 6A6	6R7 = 6B6	95 = 2A5	841 = 10	KR5 = 6A4
01AA = 01A	25A6G = 25A6	44 = 39	58AS = 78	6E7 = 6U7G	6T7G = 6B6	98 = 84	986 = 83	KR25 = 2A5
1 = 1V	25R = 1B5	46 = 47	64 = 36	6K6 = 6J5G	6V6G = 6L6	482A = 71A	AD = 1	LA = 6A4
10 = 50	25Z3MG = 25Z3	48 = 43	65 = 39	6L6G = 6C5	82V = 82	482B = 182B	AF = 82	P-861 = 84
12A = 71A	27HM = 56	49 = 33	67 = 37	6Z3 = 1	82V = 83V	483 = 183	AG = 83	PZ = 47
1B4 = 32	31 = 30	50 = 10	68 = 38	6Z4 = 84	88 = 83	484 = 485	G-2 = G-4	PZH = 2A5
2Z2 = G-84	34 = 32	51 = 35	6B4G = 6J5G	6Q6G = 6B6	90 = 29	585 = 50	G85S = 85	Wunderlich = 29
2A3H = 2A3	40 = 01A	52 = 6A4	6D7 = 6U7G	6Q7 = 6B6	92 = 69	586 = 50	KR1 = 1	Wund. Auto = 69

* Test for cathode leakage by throwing "A" switch to "In" position when tube is hot; leave other switches in "Out" position.
 * Battery type; throw right-hand switch to "Battery Types" Position.
 † Diode; place left-hand switch in "Diodes Only" position before testing.
 †† Test in octal socket marked "A".
 T—Total emission all electrodes.
 R—Rectifier section.

Received at 444 Madison Ave.
Nov. 1, 1940.

SUPPLEMENTARY TEST DATA FOR MODEL 770 - 771 - 773 - 775

TUBE CHECKERS

	*	*	Di	*	*	*	*	*	*
Tube Type	1D8	1D8	1D8	1E4	1G4	1G6	1LA4	1LA6	1LB4
Fil. Sel.	1	1	1	1	1	1	1	1	1
Tube Sel.	22	15	0	24	24	21	20	19	24
"In Pos."	BCD	EF	G	BD	BD	BC	BCF	BCDEF	BCF
2nd Plate						DE			

	*	*	*	*	Di	*	*	*	
Tube Type	1LE3	1LH4	1LN5	1N6	1N6	1Q5	1R5	1S4	1V
Fil. Sel.	1	1	1	1	1	1	1	1	6
Tube Sel.	24			21	0	28	23	27	43
"In Pos."	BF	BF	BCDF	BCD	F	BCD	BCFG	BCFG	5
2nd Plate									

(Use Adapter D-70178)

	*	Di	*	*	.	*	*#	#Di	
Tube Type	1S5	1S5	1T4	1T5	2G5	2W3	3A8	3A8	3A8
Fil. Sel.	1	1	1	1	3	3	1	1	1
Tube Sel.	16	0	24	24	36	34	22	22	0
"In Pos."	CDF	B	BFG	BCD	BCF	C	BCE	DF	G
2nd Plate	(Use Adapter D-70178)								

3V

	*	*#	*#	*	*	*#	.	.	.
Tube Type	3C5	3C5	3Q5	3Q5	4A6	4A6	5X3	6AE5	6AG7
Fil. Sel.	1	1	1	1	2	2	5	6	6
Tube Sel.	20	20	23	23	22	22	36	43	45
"In Pos."	BCD	BCD	BCD	BCD	BC	DF	B	BD	CFG
2nd Plate							C		

	.	.	.	#.
Tube Type	6AL6	6R6	6SA7	6SC7	6W6	6W7	6Y5	7A4	7A5
Fil. Sel.	6	6	6	6	6	6	6	7	7
Tube Sel.	43	40	43	43	45	42	45	43	44
"In Pos."	CDE	BDE	BCDG	BCD	BCD	BCDE	C	BF	BCF
2nd Plate							G		

	.	.	.	Di	.	.	.	.	.	Di
Tube Type	7B4	7B5	7B6	7B6	7B7	7B8	7C5	7C7	7E7	7E7
Fil. Sel.	7	7	7	7	7	7	7	7	7	7
Tube Sel.	43	42	42	0	42	43	42	42	40	0
"In Pos."	BF	BCF	BC	E	BCDEF	BCDEF	BCF	BCDF	BEF	C
2nd Plate				F						D

Tube Type	7F7	7G7	7J7	7J7	7N7	7Q7	12A6	12B7
Fil. Sel.	7	7	7	7	7	7	8	8
Tube Sel.	41	46	38	39	42	44	42	42
"In Pos."	CD	BCDF	BDE	CD	CD	BCDEF	BCD	BCDEF
2nd Plate	EF				EF			

	#	.	.	Di	.	.	.	.
Tube Type	12B8	12B8	12C8	12C8	12E5	12F5	12J5	12K8
Fil. Sel.	8	8	8	8	8	8	8	8
Tube Sel.	42	43	38	0	41	42	43	44
"In Posi."	BCE	DG	BEF	D	BD	CE	BD	BCDEF
2nd Plate				C				

SUPPLEMENTARY TEST DATA FOR MODEL 770 - 771 - 773 - 775
TUBE CHECKERS

Tube Type	*	*	Di	*	*	*	*	*	<i>D/</i>
Fil. Selector	1D8	1D8	1D8	1E4	1G4	1G6	1LB4	1N6	1N6
Tube Selector	1	1	1	1	1	1	1	1	1
"In Position"	22	15	0	24	24	21	24	21	0
2nd Plate	BCD	EF	G	BD	BD	BC	BCF	BCD	F
Tube Type	*	*	*	*	*	Di	*	.	*
Fil. Selector	1Q5	1T5	1R5	1S4	1S5	1S5	1T4	2G5	2W3
Tube Selector	1	1	1	1	1	1	1	3	2
"In Position"	28	24	23	27	16	0	24	36	18
2nd Plate	BCD	BCD	BCFG	BCFG	CDF	B	BFG	BCF	C
			(Use Adapter D-70178)						
Tube Type	*	*#	#Di	*	*#	*#	*	*	*#
Fil. Selector	3A8	3A8	3A8	3C5	3C5	3Q5	3Q5	4A6	4A6
Tube Selector	1	1	1	1	1	1	1	2	2
"In Position"	22	22	0	20	20	23	23	22	22
2nd Plate	BCE	DF	G	BCD	BCD	BCD	BCD	BC	DF
Tube Type	5X3	6AE5	6AG7	6AL6	6R6	6SA7	<i>#.</i> 6SC7	6W6	
Fil. Selector	5	6	6	6	6	6	6	6	
Tube Selector	36	43	45	43	40	43	43	45	
"In Position"	B	BD	RCFG	CDE	BDE	BCDG	BCD	BCD	
2nd Plate	C								
Tube Type	6W7	7A4	7A5	7B5	7B6	7B6	7B7	7B8	7C5
Fil. Selector	6	7	7	7	7	7	7	7	7
Tube Selector	42	43	44	42	42	0	43	43	<i>45 42</i>
"In Position"	BCDE	BF	BCF	BCF	BC	E	BCDEF	BCDEF	BCF
2nd Plate						F			
Tube Type	7C7	7E7	Di 7E7	7F7	7J7	7J7	7Q7	12A6	12B7
Fil. Selector	7	7	7	7	7	7	7	8	8
Tube Selector	42	40	0	41	38	39	44	42	42
"In Position"	BCDF	BEF	C	CD	BDE	CD	BCDEF	BCD	BCDEF
2nd Plate			D	EF					
Tube Type	# 12B8	12B8	Di 12C8	Di 12C8	12E5	12F5	12J5	12K8	
Fil. Selector	8	8	8	8	8	8	8	8	
Tube Selector	42	43	38	0	41	42	43	44	
"In Position"	BCE	DG	BEF	D	BD	BEF	BD	BCDEF	
2nd Plate				C		<i>CE</i>			
Tube Type	12SA7	<i>#.</i> 12SC7	<i>#.</i> 12SF5	12SJ7	# 12SQ7	#Di 12SQ7	12SR7	12SR7	Di
Fil. Selector	8	8	8	8	8	8	8	8	8
Tube Selector	43	42	43	42	37	0	41	0	
"In Position"	BCDG	BCD	BD	ABCFG	<i>AFG</i>	D	BE	C	
2nd Plate						<i>C</i>		D	

Nov. 1, 1940

(Continued)

SUPPLEMENTARY TEST DATA FOR MODELS
770 - 771 - 773 - 775 TUBE CHECKERS

	✓ #	#	#		✓ #	#Di	
Tube Type	12SA7	12SC7	12SF5	12SJ7	12SQ7	12SQ7	12SR7
Fil. Selector	8	8	8	8	8	8	8
Tube Selector	43	42	43	42	37	0	41
"In Position"	BCDG	BCD	BD	ABCFG	AFG	D	BE
2nd Plate						C	

	Di	#	#	#	#	#	Di	#	
Tube Type	12SR7	25AC5	25B8	25B8	25C6	25D8	25D8	25D8	32L7
Fil. Selector	8	9	9	9	9	9	9	9	9
Tube Selector	0	40	43	43	45	42	42	0	42
"In Position"	C	BD	DG	BCE	BCD	BCE	DF	G	BCD
2nd Plate	D								

	#	#	#	#	#	#	#	#	✓ #
Tube Type	32L7	35L6	35Z5	35Z5	35Z6	45Z5	45Z5	50C6	50L6
Fil. Selector	9	10	10	7	10	7	10	11	11
Tube Selector	43	45	45	33	45	17	45	45	45
"In Position"	F	BCD	D	D	B	D	D	BCD	BCD
2nd Plate					D				

	#	#	#	#	#	#	#	#	#
Tube Type	50Y6	50Z6	50Z7	70L7	70L7	117L7	117L7	117Z6	1232
Fil. Selector	11	11	11	12	12	14	14	14	6
Tube Selector	45	44	45	44	45	42	44	44	44
"In Position"	B	B	B	BCD	G	BCD	F	B	BCDF
2nd Plate	D	D	D					D	

Tube Type	1608	1610	1612	1614	1619	1620	1621	1622	1851
Fil. Selector	3	3	6	6	3	6	6	6	6
Tube Selector	43	40	41	43	43	42	41	42	44
"In Position"	BC	BCG	BCDE	BCD	BCDG	BCDE	BCD	BCDE	BCDE

Tube Type	1852	807	837							
Fil. Selector	6	6	8	*	Test for cathode leakage.					
Tube Selector	44	41	44	#	Battery types.					
"In Position"	BCFG	BCE	CDEF		Test in "A" socket.					

1B7 = 1A7
1J5 = 1E5

1P5 = 1E5
2E5 = 2G5
6AC6 = 6AB6
6AB7 = 1852
6AC7 = 1852
6B6 = 6Q7

7E6 = 7B6
25X6 = 25Z6
1221 = 6C6
1223 = 6K7
1231 = 1232
1853 = 1852
12SK7 = 12SJ7

MODEL 767 Filatrol must be used for Tubes requiring Filament Selector setting of 10 or higher.

MODEL 767 - \$4.95 net
ADAPTER - #D-70178 - \$.75 net.

(Continued)

SUPPLEMENTARY TEST DATA FOR MODELS
770 - 771 - 773 - 775 TUBE CHECKERS

Tube Type	25AC5	# 25B8	25B8	25C6	25D8	25D8	Di 25D8	# 32L7	# 32L7
Fil. Selector	9	9	9	9	9	9	9	9	9
Tube Selector	40	43	43	45	42	42	0	42	43
"In Position"	BD	DG	BCE	BCD	BCE	DF	G	BCD	F
Tube Type	35L6	# 35Z5	# 35Z5	35Z6	45Z5	# 45Z5	50C6	50L6	50Y6
Fil. Selector	10	7	10	10	7	10	11	11	11
Tube Selector	45	36	45	45	17	45	45	45	45
"In Position"	BCD	D	D	B	D	D	BCD	BCD	B
2nd Plate				D					D
Tube Type	50Z6	50Z7	# 70L7	# 70L7	117L7	# 117L7	117Z6	1232	1608
Fil. Selector	11	11	12	12	14	14	14	6	3
Tube Selector	44	45	44	45	42	44	44	44	43
"In Position"	B	B	BCD	G	BCD	F	B	BCDF	BC
2nd Plate	D	D					D		
Tube Type	1610	1612	1614	1619	1620	1621	1622	1851	1852
Fil. Selector	3	6	6	6	6	6	6	6	6
Tube Selector	40	41	43	43	42	41	42	44	44
"In Position"	BCG	BCDE	BCD	BCDG	BCDE	BCD	BCDE	BCDE	BCFG
Tube Type	807	837	866A						
Fil. Selector	6	8	3						
Tube Selector	41	44	44						
"In Position"	BCE	CDEF	E						

W.F.350-A

. Test for cathode leakage.
* Battery types.
Test in "A" socket.

1B7	=	1A7	1P5	=	1E5	7E6	=	7B6
1J5	=	1E5	2E5	=	2G5	25X6	=	25Z6
1LA4	=	1A5	6AC6	=	6AB6	1221	=	6C6
1LA6	=	1A6	6AB7	=	1852	1223	=	6X7
1LH4	=	1H5	6AC7	=	1852	1231	=	1232
1LN5	=	1N5	6E6	=	6Q7			

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MODEL 767 - \$4.95 net
ADAPTER - #D-70178 - \$.75 net

RADIO STATION WOR

Model 773

*Received at 444 Madison
Nov. 1, 1940*

*	*	*	*				
385	310A	262B	3E7A	348A	304B	349A	274A
3	8	8	8	6	7	6	5
43	41	37	37	41	39	42	36
BC	BCDF	BC	CE	EDE	E	BCD	BC

Poor Test

Tie plate & grid together at top of tube

219B	301A	2X2/879	954
No Test	No Test "83"	No Test	6 43 BCDE

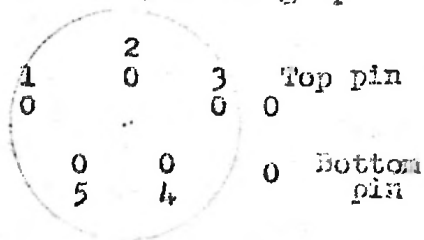
*	*
955	956
6	6
43	43
BC	BCDE

.....
Set Line Control to 23 on Following Tubes

BAT	BAT	BAT
957	958	959
1	1	1
12	15	15
BC	BC	BCDE

.....
An Acorn Adapter or Acorn Socket is required to test the Acorn Types.
Socket or Adapter to be wired as follows:

Bottom view looking up



Acorn pin number

- 1
- 2
- 3
- 4
- 5
- Top pin
- Bot. pin

Octal pin number

- 7
- 8
- 2
- 3
- 4
- 5
- grid cap