157

CONFIDENCE

MODEL

36

INSTRUCTIONS

IMPORTANT

1. Upper right knob must always be at H.
2. 'Off-6V-On' switch must be at
   -OFF for all A. C. Tests
   -ON for storage Battery tests.
3. Do not use both red condenser test jacks at same time. Black is Common to both red.
4. Move knob slowly from 1 to 5 for tube leakage.

APPARATUS DESIGN CO., INC.
LITTLE ROCK, ARK.

CONFIDENCE MODEL 36

Testing

TUBES CONDENSERS VIBRATORS

INSTRUCTIONS AND CHARTS

Manufactured by APPARATUS DESIGN CO. INC. LITTLE ROCK, ARKANSAS.

To remove instrument from case, remove the two screws in bottom of case which anchor transformer rigidly. Remove screws around edge of panel and lift instrument up.

THE TUBE TESTER

This test places every element of a tube in proper selected relation to test voltages. The same relationship you expect at a tubes terminals when it is inserted in a radio. This is patented by CONFIDENCE. By following these instructions you will give a tube a truly scientific test adhering to its mutual conductance plate current and space charge effect. There are no duplications of selector numbers, therefore the test chart is simplified.

HOW TO OPERATE
NORMAL TEST

1. Turn to "NORMAL TUBE TEST".
2. ADJUST AC LINE VOLTAGE. (before placing tube in socket). Press "AC ADJ". button and turn "AC ADJ" knob until meter needle points at long line.
3. Set knobs to numerals indicated on chart. Always have upper right knob at H for all tube tests. This selector is for future metal tubes having different heater positions.
4. Place tube in socket.
5. Press lower right "Tube Test" button. (some heater tubes are slow to fully swing needle.)

"G" and "MG" tubes test same as metal tubes of like number.

IMPORTANT - "OFF-6V-ON" switch must be at OFF.

HOT TUBE LEAKAGE TEST

1. Turn to "TUBE LEAKAGE".
2. Move large knob from 1 to 5 or 5 to 1.
3. Any leakage will cause the neon to glow.

Center tapped filament tubes should glow as follows, otherwise the center tap is open. *6Z5-selector on 2. *12A5-selector on 5. *12Z5-Selector on 4.

TUBE CHART

TUBE	SET KNOBS	TEST
00A	8-37-68	
01A	8-37-68	
01AA	8-37-68	
KR1	8-39-56	
1V	8-39-58	
1A4	7-34-71	
1A6	3-34-71	DET
	16-34-74	OSC
	REMOVE	CAP
1C6	3-34-71	DET
	16-34-73	OSC
	REMOVE	CAP
1B5	4-34-74	TRI
	23-34-75	DIO
G2	21-35-75	F-W
2A3	8-35-60	
2A3H	8-35-60	
2A5	8-35-64	
2A6	12-35-73	TRI
	23-35-75	DIO
2B6	6-36-67	OUT
	17-36-68	IN
2A7	10-35-71	DET
	2-35-72	OSC
	REMOVE	CAP
G2A7	10-35-70	DET
	2-35-72	OSC
	REMOVE	CAP
2B7	10-35-69	PEN
	24-35-75	DIO
G4	21-35-75	
5Z3	8-38-58	F-W
6A3	8-39-60	
6A4	3-39-64	
6Z4	8-39-58	F-W
5Z4	~~14-39-58~~	F-W
6B5	6-39-74	OUT
	6-39-61	IN
	PRESS 2nd PLATE	
6C5	6-39-68	
6D5	6-39-62	
6F5	15-39-71	
6Y5	17-39-56	F-W
6Z5*	17-39-58	F-W
6A6	5-39-70	TRI
	20-39-70	TRI
6C6	1-39-70	
6D6	1-39-68	
6E6	5-39-63	TRI
	20-39-63	TRI
6F6	8-39-66	
6H6	22-39-75	F-W
6A7	10-39-72	DET
	2-39-72	OSC
	REMOVE	CAP
G6A7	10-39-70	DET
	2-39-72	OSC
	REMOVE	CAP
6B7	10-39-70	PEN
	24-39-75	DIO
6C7	10-39-67	PEN
	24-39-75	DIO
6D7	1-39-68	
6E7	1-39-68	
6F7	10-39-69	PEN
	19-39-72	TRI
6G7S	11-39-64	PEN
	18-39-62	REC
6H7S	8-39-64	PEN
	14-39-75	TRI
6J7	1-39-71	
6K7	1-39-69	
6L7	10-39-70	DET
	8-39-71	OSC
	REMOVE	CAP
6A8	10-39-72	DET
	13-39-72	OSC
10	8-40-65	
12A	8-37-63	
12A7	8-42-65	PEN
	15-42-57	REC
12Z3	8-42-57	
12A5*	11-42-62	
12Z5*	4-42-57	F-W
14	7-43-70	
15	7-34-73	
17	8-43-66	
18	8-43-63	
19	18-34-72	TRI
	5-34-72	TRI
20	8-36-69	
NX20	8-36-66	
KR20	6-35-66	
KR22	6-39-64	
22	7-36-72	
24A	7-35-70	
KR25	8-35-64	
25	4-34-73	TRI
	23-34-75	DIO
25S	4-34-73	TRI
	23-34-75	DIO
25Z5	9-44-56	F-W
26	8-33-66	
27	8-35-66	
KR28	8-39-56	F-W
29	6-35-69	
30	8-34-68	
31	8-34-63	
32	7-34-71	
33	3-34-64	
34	7-34-70	
35	7-35-69	
36	7-39-70	
36X	7-39-69	
37	8-39-66	
38	7-39-67	
39	7-39-69	
40	8-37-75	
41	8-39-64	
42	8-39-63	
43	8-44-61	
44	7-39-69	
45	8-35-61	
46	3-35-63	
47	3-35-64	
48	8-45-60	
49	3-34-64	
50	8-40-62	
51	7-35-69	
G51	7-35-69	
52	3-39-62	
53	5-35-69	TRI
	20-35-70	TRI
55	12-35-65	TRI
	23-35-75	DIO
G53	5-35-69	TRI
	20-35-70	TRI
56	8-35-65	
57	1-35-70	
G57A	1-39-69	
58	1-35-67	
G58A	1-39-67	
59	8-35-64	
G59B	8-35-64	
64	7-39-72	
65	7-39-69	
67	8-39-64	
68	7-39-64	
69	6-39-69	

CONFIDENCE MODEL 36 TUBE CHART CONTINUED

TUBE	SET KNOBS	TEST
70 -	6-39-72	
71A -	8-37-61	
75 -	12-39-73	TRI
	23-39-75	DIO
G75 -	12-39-72	TRI
	23-39-75	DIO
76 -	8-39-64	
77 -	1-39-70	
78 -	1-39-67	
79 -	5-39-73	TRI
	20-39-73	TRI
80 -	8-38-59	F-W
80M -	8-38-56	F-W
81 -	8-40-60	
81M -	8-40-56	
82 -	8-36-56	F-W
83 -	8-38-56	F-W
83V -	8-38-57	F-W
84 -	8-39-58	F-W
G84 -	8-35-60	
85 -	12-39-65	TRI
	23-39-75	DIO
G85A-	12-39-67	TRI
	23-39-75	DIO
89 -	1-39-63	
G89B-	1-39-63	
89RS-	11-39-64	PEN
	18-39-62	REC
90 -	6-35-66	
92 -	6-39-64	
95 -	8-35-64	
96 -	8-41-56	
98 -	8-39-56	F-W
99 -	8-36-73	
X99 -	8-36-72	
NU99-	8-36-72	
182A-	8-37-62	
182B-	8-37-62	
183 -	8-37-61	
205D-	8-37-66	
257 -	3-37-62	
401 -	8-36-69	
403 -	8-36-62	
445 -	8-35-61	
481 -	8-40-58	
482A-	8-37-62	
482B-	8-37-62	
483 -	8-37-61	

TUBE	SET KNOBS	TEST
484A-	8-36-66	
485 -	8-36-66	
486 -	8-36-73	
686 -	8-36-72	
841 -	8-40-74	
842 -	8-40-62	
864 -	8-32-69	
866 -	8-36-56**	
871 -	8-36-56**	
950 -	3-34-65	
951 -	7-34-71	
985 -	8-38-56	F-W
986 -	8-38-56	F-W
AD -	8-39-57	
AF -	8-36-56	F-W
AG -	8-38-56	F-W
GA -	3-37-66	
LA -	3-39-64	
PZ -	3-35-65	
PZH -	8-35-63	
WUNDERLICH		
2.5v-	6-35-67	
6.3v-	6-39-67	

ARCTURUS 15 V.

TUBE	SET KNOBS	TEST
22 -	7-43-72	
26 -	8-43-67	
28 -	8-43-67	
30 -	8-43-63	
32 -	8-43-72	
40 -	8-43-61	
48 -	8-43-67	

**866-871 USE A JUMPER WITH CLIP FROM TOP CAP TO PLATE HOLE IN ANY SOCKET

THE CONDENSER TESTER

This Condenser Tester is simple in operation but indicates on the neon, Leaks, Opens and Shorts, from small mica condensers up to any capacity used in radio receivers, ignition or refrigeration, except Leaks, Opens and Shorts in 25-50V electrolytic condensers are indicated on the meter.

HOW TO OPERATE

1. Turn to "Condenser Testing".
2. Insert probes in the red and adjacent black pin jack.(25-50V jack is for condensers with 50V limit)
3. Attach probes to object condenser. (Always attach red jack to positive terminal of electrolytics.
4. Press "CONDENSER TEST" button.

COMPREHENSIVE INSTRUCTIONS

GOOD CONDENSER. The neon glows on one electrode and then extinguishes. The length of time of this single glow depends on capacity of the condenser. Small mica condensers will give one quick little flash. Large condensers will hold a glow and then go out.

LEAKY CONDENSERS, will cause a constant glow. Intermittent leaks will cause continuous erratic flashes.

OPEN CONDENSERS. No indication.

SHORTED CONDENSERS. Steady bright glow.

25-50V ELECTROLYTICS. Turn right (shunt) selector to 73. A good condenser will cause the meter needle to swing toward full scale, gradually falling back toward zero. The inherent leak in these condensers will not allow needle to return fully to zero.

LEAKS - cause a greater meter reading in proportion to amount of leak.
SHORTS- cause full scale reading.
OPENS - no movement of meter needle.

Always allow a few seconds before repeating test of 25-50V electrolytics.

VIBRATOR TESTER

This Vibrator tester changes 6 volts DC into AC which is stepped up by the tester transformer and delivered against load through the meter. If the vibrator is in proper condition the meter will read in GOOD section.

Bad adjustment, low frequency, pitted contacts and other troubles that occur in a vibrator will drop the voltage, causing a drop in meter reading below the GOOD section.

HOW TO OPERATE

DO NOT HAVE AC CORD PLUGGED IN WHEN USING STORAGE BATTERY

TURN UPPER RIGHT KNOB TO 'H'.

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TURN TO "VIBRATOR TEST"

1. Clip on to storage battery, using red cord on positive.
2. Turn large selector knob to 25.
3. Throw "Off-6v-On"switch to ON, and 'Reverse' to right. Press "6v-ADJ" button. If meter reading is below 5-1/2 volts the battery is too weak to use in testing a vibrator. If meter backs up, reverse the storage battery clips.
4. Turn all selector knobs to positions indicated on chart.
5. Insert vibrator in combination 'Vibrator' socket. (see note) If Vibrator has pigtails, connect to binding posts as indicated on chart. (Always have 'Off-6v-On' switch at OFF when handling the pigtails and when not using vibrator test)
6. Some vibrators need a start - flip the "Reverse" switch and then return it to right or left as indicated on chart.
7. Undue R. F. from arcing points, etc. will cause the neon to glow, flutter, etc.
8. Test buffer condensers on the condenser test section, if the vibrator reads faulty. The trouble may be in a condenser and not the reeds.

Note:- Adapters V1 and V2 are available from factory at 75 cents each prepaid.

MALLORY VIBRATOR CHART

Red wire clip on positive battery.

TYPE-	SELECTORS-	RE-VERSE	COIL REED 1	PRIMARY 2	PRIMARY 3	SECONDARY 4	SECONDARY 5	GND 6
210	30-37-63	RIGHT						
219	30-37-64	RIGHT						
220B	29-37-62	RIGHT	1	2	3	FRAME		
221	29-37-62	RIGHT		Yellow	Yellow	Black		
222	31-37-57	RIGHT		Yellow	Black& Yellow	Red& White	Red	Black
223	31-37-58	RIGHT		Black	Yellow	Blue	Green	Red
230	30-37-64	RIGHT						
231	30-37-58	RIGHT		Heavy Black	Light Black	Light Black		Heavy Black
234	30-37-58	RIGHT		Heavy Black	Light Black	Light Black		Heavy Black
235	30-37-58	RIGHT		Heavy Black	Light Black	Light Black		Heavy Black
236	30-37-63	RIGHT						
237	30-37-63	RIGHT						
250	29-37-62	RIGHT						
Philco	27-37-64	RIGHT						
253	29-37-62	RIGHT						
253T	29-37-62	RIGHT						
253Y	29-37-62	RIGHT						
270B	31-37-57	RIGHT						
271	31-37-57	RIGHT						
271HD	31-37-57	RIGHT						
273	31-37-57	RIGHT						
273C	31-37-57	RIGHT	Adapter #V2 required					
275	31-37-57	RIGHT						
277S	31-37-57	RIGHT	Adapter #V1 required					
279X	31-37-57	RIGHT	Adapter #V1 required					
286S	31-37-57	RIGHT	Adapter #V1 required					
287M	31-37-57	RIGHT	Adapter #V1 required					
289X	31-37-57	RIGHT	Adapter #V1 required					
289Y	31-37-57	RIGHT	Adapter #V1 required					
292	29-37-62	RIGHT		Yellow	Yellow	Red		
294	29-37-62	RIGHT						
296	29-37-62	RIGHT						
297	29-37-62	RIGHT						
302S	28-35-62	RIGHT	Plug into socket filament holes					
303S	28-35-62	RIGHT	Plug into socket filament holes					

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RADIART VIBRATOR CHART

2742	29-37-62	RIGHT		Yellow	Yellow	Red		
2747	29-37-62	RIGHT		Yellow	Yellow	Red		
2819	29-37-62	RIGHT		Yellow	Yellow	Red		

TYPE-	SELECTORS-	RE-VERSE	COIL REED 1	PRIMARY 2	PRIMARY 3	SECONDARY 4	SECONDARY 5	GND 6
2864-	29-37-62	RIGHT		Yellow	Yellow	Red		
2867	29-37-62	RIGHT		Yellow	Yellow	Red		
3260	29-37-62	LEFT						
3261	29-37-62	LEFT						
3262	29-37-62	LEFT						
3263	29-37-62	LEFT						
3283	31-37-57	RIGHT						
3299	29-37-62	LEFT						
3308	31-37-57	RIGHT		Yellow	Black& Yellow	Red & White	Red	Black
3313	29-37-62	RIGHT		Yellow	Yellow	Black		
3315	31-37-57	RIGHT		Yellow	Black& Yellow	Red & White	Red	Black
3317	31-37-57	RIGHT		Black	Yellow	Blue	Green	Red
3318	30-37-64	RIGHT						
3319	31-37-57	RIGHT		Black	Blue	Red	Green	Can
3356	29-37-62	LEFT						
3375	29-37-62	LEFT						
3398	29-37-62	RIGHT		Yellow	Yellow	Red		
3417	29-37-62	LEFT						
3444	28-35-62	RIGHT		Lead		Lead		
3445	30-37-63	RIGHT						
3461	31-37-57	RIGHT	Adapter #V2 required					
3786	29-37-62	RIGHT		Yellow	Yellow	Red		
3806	29-37-62	LEFT						
3815	29-37-62	LEFT						
3818	29-37-63	LEFT						
3848	29-37-62	LEFT						
3850	31-37-57	RIGHT	Adapter #V1 required					
3865	29-37-62	LEFT						
3883	31-37-57	RIGHT	Adapter #V1 required					

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ELECTRONIC VIBRATORS

400	29-37-62	RIGHT		Yellow	Yellow	Black		
445	28-35-62	LEFT		Green		Green		
449	29-37-62	LEFT						
P450	29-37-62	RIGHT						
452	29-37-62	RIGHT						
453	29-37-62	LEFT						
456	29-37-62	RIGHT						
458	29-37-62	LEFT						
460	28-37-63	LEFT		Green	Red	Black		
700	31-37-57	RIGHT		Yellow	Black& Yellow	Red & Yellow	Red	Black
701	31-37-57	RIGHT		Black	Yellow	Blue	Green	Red

TYPE-	SELECTORS-	RE-VERSE	COIL REED 1	PRIMARY 2	PRIMARY 3	SECONDARY 4	SECONDARY 5	GND 6
702	31-37-57	RIGHT		Black	Blue	Red	Green	ToCan
703	31-37-57	RIGHT		Blue	Black	Yellow	Green	Red
704	31-37-57	RIGHT	Adapter #V2 required					
705	31-37-57	RIGHT						
706	31-37-57	RIGHT	Adapter #V1 required					
710	30-37-63	LEFT						
711	31-37-58	RIGHT			Pri. Reed	Sec. Reed		Pri.CT Sec.CT

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GENERAL

3020	28-37-62	RIGHT		Green	Green	Red		
3024	28-37-62	RIGHT		Green	Green	Red		
3036	29-37-62	LEFT						
3037	29-37-62	LEFT						
3040	29-37-62	RIGHT						
3044	31-37-57	RIGHT		Yellow	Black	Green	Blue	Red
3045	31-37-57	RIGHT		Black	Blue	Red	Green	Can
3046	29-37-62	RIGHT						
3047	28-37-62	RIGHT		Yellow	Yellow	Red		
3048	31-37-57	RIGHT		Yellow	Black& Yellow	Red & White	Red	Black
3049	28-37-62	RIGHT		Black	Black	Green		
3050	31-37-59	RIGHT		Green	Yellow	Blue	Black	Red
3051	31-37-58	RIGHT						
3052	29-37-62	RIGHT						
3054	29-37-62	RIGHT						
3055	29-37-62	RIGHT						
3056	29-37-62	RIGHT						
3057	29-37-63	LEFT						
*3059	28-37-62	RIGHT		Green	Green	Red		
*3063	28-37-62	RIGHT		Green	Green	Red		
*3064	28-37-62	RIGHT		Green	Green	Red		
3066	29-37-62	RIGHT						
3067	29-37-62	RIGHT						
3068	28-37-63	LEFT		Black	Lug	Lug		
3075	28-37-62	RIGHT		Blue	Blue	Can		

*Remove from can. Unsolder vibrator leads from transformer and test vibrator.

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UTAH VIBRATORS

18001	28-37-62	RIGHT		Yellow	Yellow	Red		
18004	28-37-62	RIGHT		Yellow	Yellow	Red		

TYPE-SELECTORS-	RE-VERSE	COIL REED 1	PRIMARY 2	PRIMARY 3	SECONDARY 4	SECONDARY 5	GND 6
18009 28-37-62	RIGHT		Yellow	Yellow	Black		
18011 28-37-62	RIGHT		Yellow	Yellow	Black		
18020 28-37-62	RIGHT		Yellow	Yellow	Red		
18104 31-37-57	RIGHT		Yellow	Black& Yellow	Red & White	Red	Black
18111 29-37-62	LEFT						
18117 31-37-57	LEFT		Green	Yellow	Blue	Black	Red
18127 29-37-62	RIGHT						
18131 31-37-57	RIGHT		Black	Yellow	Blue	Green	Red
18200 28-37-62	RIGHT		Yellow	Yellow	Red		
18202 28-37-62	RIGHT		Yellow	Yellow	Red		
18304 29-37-62	RIGHT						
18318 29-37-62	RIGHT						
18324 29-37-62	RIGHT						
18725 31-37-57	RIGHT	Adapter #V2 required					
18732 31-37-57	RIGHT						
18733 31-37-57	RIGHT		Black	Blue	Red	Green	Can
18825 29-37-62	RIGHT						
18831 29-37-62	RIGHT						

Form W-36-BU 4;19;38 MODEL 36 White Octal Socket

Chart for testing octal base and other new tubes on Confidence Model 36 Tube Tester wired up to date with White octal socket.

Insert tube in White ringed socket where chart states WHITE.

TUBE	TEST	SET KNOBS	SOCKET
1A4	-	7-34-71	
1B4	-	7-34-71	
1B5/25S	TRI	4-34-74	
1B5/25S	DIO	23-34-75	
1C7G	DET	10-34-71	
1C7G	OSC	16-34-65	
1D5G	-	10-34-71	
1D7G	DET	10-34-72	
1D7G	OSC	16-34-67	
1E5G	-	10-34-71	
1E7G	-	26-34-65	
1F4	-	3-34-69	
1F5G	-	8-34-69	
1F6	PEN	10-34-72	
1F6	DIO	24-34-75	
1F7G	PEN	26-34-71	
1F7G	DIO	23-34-75	
1G5G	-	8-34-67	
1H4G	-	8-34-67	
1H6G	TRI	6-34-74	
1H6G	DIO	23-34-75	
1J5G	-	8-34-68	
1J6G	TRI	5-34-73	
1J6G	TRI	13-34-73	
2B6	OUT	6-36-67	
2B6	IN	17-36-68	RED SOCK
2E5	EYE	8-35-75	~~ADAPTER-E~~
2Z2	-	8-35-59	
5T4	F-W	8-38-58	WHITE
5U4G	F-W	8-38-58	WHITE
5V4G	F-W	8-38-57	WHITE
5W4	F-W	8-38-58	WHITE
5X4G	F-W	8-38-58	
5Y3G	F-W	8-38-58	WHITE
5Z4	F-W	8-38-58	WHITE
5Y4G	F-W	8-38-58	
6A3	-	8-39-60	
6A5G	-	11-39-60	RED SOCK
6AB5	EYE	8-39-74	~~ADAPTER-E~~
6A6	TRI	5-39-69	
6A6	TRI	20-39-69	
6AB6G	IN	6-39-74	
6AB6G	OUT	15-39-73	
6AC6G	IN	6-39-73	
6AC6G	OUT	15-39-70	
6A8	DET	10-39-72	
6A8	OSC	15-39-63	
6B4G	-	8-39-60	
6B5	IN	6-39-74	
6B5	OUT	15-39-73	
6B6	TRI	12-39-74	
6B6	DIO	23-39-75	
6C5	-	6-39-68	
6C8G	TRI	9-39-70	
6C8G	TRI	13-39-70	
6D5	-	6-39-62	
6D8G	DET	10-39-71	
6D8G	OSC	15-39-63	RED SOCK
6E5	EYE	8-39-75	~~ADAPTER-E~~
6E6	TRI	5-39-63	
6E6	TRI	20-39-63	
6F5	-	15-39-71	
6F6	-	8-39-66	
6F8G	TRI	6-39-69	
6F8G	TRI	14-39-71	RED SOCK
6G5	EYE	8-39-74	~~ADAPTER-E~~
6G6G	-	8-39-65	
6H5	EYE	8-39-74	~~ADAPTER-E~~
6H6	F-W	22-39-75	RED SOCK
6J5G	-	8-39-63	
6J7	-	1-39-71	
6K5G	-	8-39-69	
6K6G	-	8-39-64	
6K7	-	1-39-69	
6K8	HEX	8-39-72	
6K8	TRI	13-39-66	
6L5G	-	8-39-67	
6L6	-	8-39-62	
6L7	DET	1-39-70	
6L7	OSC	15-39-66	REMOVE T.C.
6N5	EYE	8-39-74	~~ADAPTER-E~~
6N6MG	IN	15-39-73	RED SOCK
6N6MG	OUT	6-39-74	
6N7	TRI	6-39-71	
6N7	TRI	13-39-72	
6P7	PEN	8-39-68	WHITE
6P7	TRI	8-39-73	WHITE)
(Remove top cap. Press 2nd P)			
6Q6G	TRI	12-39-73	
6Q6G	DIO	23-39-75	
6Q7	TRI	12-39-74	
6Q7	DIO	23-39-75	
6R7	TRI	12-39-67	
6R7	DIO	23-39-75	
6S7G	-	1-39-67	RED SOCK
6T5	EYE	8-39-74	~~ADAPTER-E~~
6T7G	TRI	12-39-73	
6T7G	DIO	23-39-75	
6U5	EYE	8-39-74	ADAPTER-E
6U7G	-	1-39-68	RED SOCK
6V6G	-	8-39-62	
6V7G	TRI	12-39-66	
6V7G	DIO	23-39-75	
6W5G	F-W	8-39-58	
6X5	F-W	8-39-58	
6Y6G	-	8-39-60	
6Y7G	TRI	6-39-73	
6Y7G	TRI	13-39-73	
6ZY5G	F-W	8-39-58	
6Z6	1st P	19-39-57	
6Z6	2nd P	4-39-57	
6Z7G	-	6-39-72	
25A6	-	8-44-61	
25A7G	PEN	8-44-62	
25A7G	REC	14-44-57	
25B5	IN	6-44-72	
25B5	OUT	15-44-64	
25B6G	-	8-44-60	
25L6	-	8-44-60	
25N6G	IN	6-44-72	
25N6G	OUT	15-44-64	
25Z5G	1st P	19-44-57	
25Z5G	2nd P	4-44-57	
25Z6	1st P	19-44-57	
25Z6	2nd P	4-44-57	
43MG	-	8-44-61	

"Magic Eye" tubes require a special adapter. Mailed receipt $1.00

APPARATUS DESIGN COMPANY. SERVICE DIVISION. LITTLE ROCK, ARK.
J.R. Williams & Sons. Engineers

Supplement for testing 1.4 volt tubes on Confidence "36".

TUBE	SET KNOBS	TEST
1A5G	8-33-71	
1A7G	10-33-74	DET
1A7G	16-33-67	OSC
1C5G	8-33-64	
1H5G	10-33-76	TRI
1H5G	24-33-75	DIO
1N5G	8-33-74	

Now includes the 1.4 volt series of tubes.

Why you should have your Confidence Model "36" Modernized.

It is not necessary to buy a new tube tester when you can have the "36" brought up to date to test the 1938-39 tubes for $6.00.

Your Model "36" Tube Tester was designed by the originators of all English Reading tube testers and is the only tester with a circuit which has an automatic plate current cut-off, and tests a tube with all elements in proper relationship. The control grid, screen grid, suppressor grid and all other elements must function properly to give a GOOD reading on your "36", of plate current strictly following mutual conductance. (Your tester is not a common emission type which merely joins all elements together to drag emission from the filament or cathode.)

No successful attempt has ever been made to copy the scientific circuit of your "36" tester and that is one reason why Confidence testers have been used by tube manufacturers in their own factories for replacement tests.

And that is why you should have your Model "36" modernized to make it a 1938-39 tester for only $6.00. Could you buy a new one for that?

This modernization, and compilation of your test charts is done only by the original designers and Engineers of your tester and the following is what we do.

To place the instrument in condition to test tubes from the first glass tube having four prongs to the present and future metal and "G" tubes having 8 prongs; the tester is first dis-assembled and all contacts completely deoxidized. Then a complete re-arrangement of sockets is made and some replaced with expensive combination socket and the necessary additional 8 hole (octal) socket. New cross-connections are made on the inner plate to take care of the radically new element tubes. Then the '71A line voltage adjustment regulator is properly calibrated in, and a complete overall calibration check-up is given.
The tester is then ready to return to you with the latest test chart.

Pack your tester carefully and ship to us via prepaid express. It may be returned COD $6.00 plus COD fee, or your check may be sent with order to save the COD fee.

From 24 to 72 hour service is given.

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Antique Technolgy, Tube Radios and Test Equipment
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