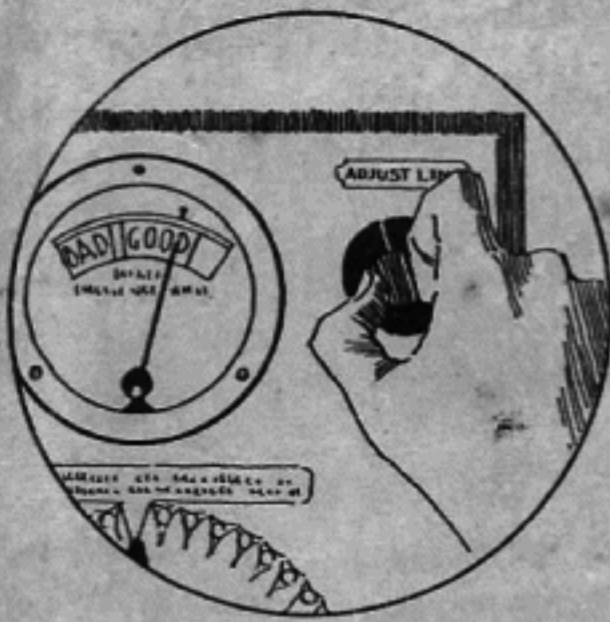


“Confidence Special”

CHART 7

Manufactured by
APPARATUS DESIGN CO., Inc.
Little Rock, Ark.



ADJUST LINE



Point selector to number



PLACE tube in socket.



READ tube condition

SHORTS. Any short circuit from plate or screen grid to any other element, will automatically light the “SHORT INDICATOR” lamp brightly. Some of the heavy current drain tubes will cause a slight glow in the indicator lamp when they are being tested. This is caused by heavy drain and is not to be confused with the bright light of a short circuited tube.

CATHODE TO HEATER SHORTS are determined by pressing the “C-H SHORT” button. If there is no short the needle will drop back to zero. A full short from cathode to heater will cause the needle to remain at full reading, dropping back toward zero as the resistance of the short increases.

GRID TO FILAMENT SHORT test may be obtained by pressing the “RECTIFIERS 2ND PLATE” button momentarily. This places the limited plate potential on the grid. If there is no short the needle will go off scale to the right. If the grid-filament is shorted, the SHORT INDICATOR will light and the meter needle will be erratic.

NOISY TUBES. Readings that will not remain constant, creeping, dips, etc., indicates element troubles and probably a noisy action in a radio. Sometimes doubtful elements will show up by tapping the tube while testing.

FUTURE TUBES. Information will be available from time to time on new tubes produced and will be furnished upon writing to the factory. Always advise the serial number which is stamped on the edge of case.



- Oscillator OSC
 - Detector DET
 - Triode TRI
 - Diodes DIO
 - Pentode PEN
 - Cathode C-H
 - Full Wave-----F-W
- Press button 2nd Plate

TURN SELECTOR TO SOCKET	TUBE	TURN SELECTOR TO SOCKET	TUBE	TURN SELECTOR TO SOCKET	TUBE	TURN SELECTOR TO SOCKET	TUBE	TURN SELECTOR TO SOCKET	TUBE
OOA -39- 8		40- 2 PEN C-H	41 -26- 3	C-H	83V - 2- 8 F-W				
01A -39- 8		49- 2 TRI C-H	42 -26- 3	C-H	84 - 7- 1 F-W C-H				
01AA-39- 8		REMOVE CAP)	43 -16- 3	C-H	G84 -11- 8				
KR1 - 2- 8	C-H	10 -34- 8	44 -40- 3	C-H	85 (33- 1 TRI C-H			6A6 -40- 7	C-H
1V - 7- 8	C-H	12A -25- 8	45 -15- 8		(13- 4 DIO C-H				
1A6 (41- 5 DET		12A5-17- 6	46 -20- 5	C-H	G85A(40- 1 TRI C-H				
(47- 5 OSC)		12A7(35- 2 PEN C-H	47 -24- 5		(13- 4 DIO C-H				
REMOVE CAP)		5- 6 F-W C-H	48 -12- 3	C-H	89 -26- 3				
1C6 (37- 5 DET		12Z3- 5- 8	49 -23- 5	C-H	90 -28- 1				
(41- 5 OSC)		14 -45- 3	50 -19- 8	C-H	92 -33- 1				
REMOVE CAP)		15 -51- 3	51 -44- 3	C-H	95 -24- 3				
G2 -11- 1 F-W C-H		17 -31- 1	G51 -44- 3	C-H	96 - 4- 8				
2A3 -11- 8		18 -22- 3	52 -18- 5	C-H	98 - 2- 1 F-W C-H				
2A3H-11- 8		19 -37- 7	53 -29- 7	C-H	99 -50- 8				
2A5 -24- 3	C-H	20 -38- 8	G53 -29- 7	C-H	X99 -55- 8				
2A6 (53- 1 TRI C-H		NX20-24- 8	55 (32- 1 TRI C-H		NU99-44- 8				
(48- 4 DIO C-H		KR20-28- 1	(48- 4 DIO C-H		182A-21- 8				
2A7 (42- 2 DET C-H		KR22-33- 1	56 -32- 1	C-H	182B-18- 8				
(53- 2 OSC) C-H		22 -55- 1	57 -42- 3	C-H	183 -14- 8				
REMOVE CAP)		24A -44- 3	G57A-40- 3	C-H	205D-39- 8				
G2A7 (42- 2 DET C-H		(36- 4 DIO	58 -28- 3	C-H	257 -21- 5				
(50- 2 OSC) C-H		25 (51- 4 TRI)	G58A-30- 3	C-H	401 -38- 8				
REMOVE CAP)		PRESS 2ND P)	59 -24- 2	C-H	403 -20- 8				
2B7 (42- 2 PEN C-H		(36- 4 DIO	G59B-24- 2		445 -15- 8				
(48- 4 DIO C-H		25S (51- 4 TRI)	64 -49- 3	C-H	481 - 9- 8				
G4 -15- 1 F-W C-H		PRESS 2ND P)	65 -40- 3	C-H	482A-21- 8				
5Z3 - 8- 8 F-W		KR25-24- 3	67 -33- 1	C-H	482B-18- 8				
6A4 -26- 5		(6- 1 1ST C-H	68 -26- 3	C-H	483 -14- 8				
6Z4 - 7- 1 F-W C-H		25Z5(6- 8 2ND C-H	69 -43- 1	C-H	484A-28- 1			C-H	
6Y5 - 3- 8 F-W C-H		PRESS 2ND P)	70 -52- 1	C-H	485 -28- 1			C-H	
6Z5 - 7- 8 F-W C-H		26 -27- 8	71A -14- 8		864 -46- 8				
6C6 -43- 3	C-H	27 -29- 1	(52- 1 TRI C-H		866 - 2- 8	**			
6D6 -40- 3	C-H	KR28- 2- 1 F-W C-H	75 (13- 4 DIO C-H		950 -23- 5				
6A7 (43- 2 DET C-H		29 -42- 1	G75 (49- 1 TRI C-H		951 -47- 1				
(49- 2 OSC) C-H		30 -41- 8	(13- 4 DIO C-H		985 - 1- 8 F-W				
REMOVE CAP)		31 -23- 8	76 -33- 1	C-H	AF - 1- 8 F-W				
G6A7 (43- 2 DET C-H		32 -47- 1	77 -43- 3	C-H	AG - 3- 8 F-W				
(49- 2 OSC) C-H		33 -23- 5	78 -30- 3	C-H	GA -25- 5				
REMOVE CAP)		34 -41- 1	79 -54- 7	C-H	LA -26- 5				
6B7 (43- 2 PEN C-H		35 -44- 3	80 - 9- 8 F-W		PZ -24- 5				
(13- 4 DIO C-H		36 -43- 3	80M - 3- 8 F-W		PZH -20- 2			C-H	
6C7 (40- 2 PEN C-H		36X -40- 3	81 -10- 8		WUNDERLICH				
(13- 4 DIO C-H		37 -30- 1	81M - 4- 8		2.5v-42- 1			C-H	
6D7 -40- 2	C-H	38 -30- 3	82 - 1- 8 F-W		6.3v-40- 1			C-H	
6E7 -40- 2	C-H	39 -43- 3	83 - 3- 8 F-W						

**866—Use jumper with clip from top cap to plate hole in socket.

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