

# TABLE OF COMPONENTS

B45

CODE	VALUE	SQUARE	CODE	VALUE	SQUARE	CODE	VALUE	SQUARE
C1A	Variable	18 M	R1	100,000	9 G	L1	15	10 F
C1B	"	18 N	R2	1MΩ	11 F	L2	4	10 F
C2	0.001μF	10 B	R3	100,000	8 E	L3	12	10 F
C3	0.1μF	12 G	R4	20,000	8 C	L4	4	8 C
C4	Trimmer	19 N	R5	2MΩ	4 F	L5	12	8 C
C5	0.1μF	6 F	R6	100,000	3 F	L6	1	8 B
C6	Trimmer	19 N	R8	140	1 D	L7	6	8 B
C7	8μF (175v)	6 E	R9	280	1 E	L8	5	4 D
C8	0.1μF	6 C	R10	850	2 E	L9	2	4 D
C9	100pF	7 F	R19	100,000	2 O	L10	50	4 D
C10	Differential	2 A						
C11	225pF	3 G						
C12	0.1μF	6 F	T1 Prim	300	2 F	T2 Prim	300	18 M
C13	0.002μF	3 C	T1 Sec.	1300		T2 Sec.	—	
C14	125pF	4 H				L.S. speech coil. 3 ohms		



# TABLE OF COMPONENTS

# A46

CODE	VALUE	SQUARE	TEST		CODE	VALUE	SQUARE	TEST		CODE	VALUE	SQUARE	TEST	
			From	To				From	To				From	To
C1a	Variable	18 K	6	11	C42	4 $\mu$ F (400v.)	1 D	11	58	L3	10	13 D	4	11
C1b	Variable	18 L	11	12	C43	0.025 $\mu$ F (RG) 0.003 $\mu$ F	4 G	56	59	L4	—	13 B	9	13
C1c	Variable	18 N	11	37	C44	0.04 $\mu$ F	3 E	64	66	L6	4	13 D	9	14
C2	Trimmer	16 K	11	14	C46	50 $\mu$ F (12v.)	5 F	61	63	L7	12	13 D	9	16
C3	50pf	14 D	8	9	C47	8 $\mu$ F (400v.) (RG)16 $\mu$ F	1 D	11	72	L8	4	13 D	7	9
C4	62pf	13 C	9	16						L9	12	14 D	8	9
C6	Trimmer	18 K	6	11						L11	—	13 O	27	28
C7	Trimmer	18 L	11	12						L12	1.5	13 G	26	27
C8	0.1 $\mu$ F	12 C	9	11						L13	—	13 G	11	33
C9	0.025 $\mu$ F	10 H	17	18	R1	15,000	11 F	18	29	L14	2.5	13 G	11	34
C11	0.05 $\mu$ F	11 O	11	17	R2	33,000	10 G	20	21	L16	4	13 O	11	36
C12	200pf	13 F	11	27	R4	300	14 G	11	17	L17	6	22 S	18	19
C13	100pf	12 D	21	32	R6	100	10 F	22	23	L18	6	22 S	9	42
C15	35pf	20 T	11	34	R7	1,000	13 H	24	26	L19	6	25 R	29	44
C16	Trimmer	16 P	11	33	R8	20,000	14 F	17	27	L21	6	25 S	53	57
C17	Trimmer	16 O	11	34	R9	450	9 E	11	41	L24	1400	L.S. Field	29	72
C18	245pf	14 G	11	36	R10	100,000		11	43					
C19	Trimmer	16 J	11	36	R11	2 M $\Omega$	9 C	9	57					
C22	703pf	10 E	34	38	R12	100,000	25 S	51	57	T1 prim				
C23	386pf	10 E	36	39	R13	500,000	25 S	51	52	200-213v	26		78	84
C24	Trimmer	21 P	18	19	R14	500	8 C	11	52	214-228v	28		79	84
C26	125pf	22 T	18	19	R16	50,000	26 L	49	54	229-244v	31		81	84
C27	134pf	22 S	9	42	R17	50,000	4 F	56	58	245-260v	33	26 O	82	84
C28	Trimmer	21 P	9	42	R18	15,000	3 F	29	58	H.T. sec.				
C29	8 $\mu$ F (400v.)	1 D	11	29	R19	1 M $\Omega$	27 L	11	46		210		11	73
C31	Trimmer	21 L	29	44	R21	25,000	6 A	29	66		+240		11	74
C32	125pf	25 T	29	44	R22	50,000	5 G	59	62					
C33	125pf	25 S	53	57	R23	210	4 G	11	61					
C34	Trimmer	20 L	53	57	R24	500,000	4 G	11	59	T2 prim	140	ON	29	64
C36	0.025 $\mu$ F	8 E	11	41						T2 sec		L.S.	11	68
C37	0.01 $\mu$ F	25 R	47	51										
C38	100pf	25 R	52	57	L1	—	13 B	2	11	L.S.	2		11	71
C39	100pf	25 S	51	52	L2	1.25	13 D	3	11	Sp. coil				



# TABLE OF COMPONENTS

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CODE	VALUE	SQUARE	TEST		CODE	VALUE	SQUARE	TEST		CODE	VALUE	SQUARE	TEST	
			From	To				From	To				From	To
C1a	Variable	23 P	6	11	C43	0.025μF	5 H	56	59	L3	10	15 D	4	11
C1b	Variable	23 Q	11	12	C44	0.04μF	5 G	64	66	L4	—	15 F	9	13
C1c	Variable	23 R	11	37	C45	500pf	5 K	63	64	L6	4	15 D	9	14
C2	Trimmer	21 Q	11	14	C46	50μF (12v)	5 H	11	61	L7	12	15 D	9	16
C3	50pf	14 D	8	9	C47	16μF (400v)	9 F	11	72	L8	4	15 D	7	9
C4	62pf	16 E	9	16						L9	12	15 D	8	9
C6	Trimmer	22 P	6	11	R1	25,000	13 H	18	29	L11	—	15 G	27	28
C7	Trimmer	22 Q	11	12	R2	33,000	12 J	20	21	L12	1.5	15 G	26	27
C8	0.1μF	16 F	9	11	R3	5,000	12 K	29	31	L13	—	15 H	11	33
C9	0.025μF	13 K	17	18	R4	300	16 H	11	17	L14	2.5	15 H	11	34
C11	0.05μF	15 J	11	17	R6	100	15 G	23	28	L16	4	15 H	11	36
C12	200pf	17 J	11	27	R7	1,000	15 H	24	26	L17	6	27 Y	19	31
C13	100pf	12 H	21	32	R8	20,000	16 G	17	27	L18	6	27 Y	9	42
C14	0.025μF	27 V	11	31	R9	450	11 H	11	41	L19	6	29 X	29	44
C16	Trimmer	20 T	11	33	R10	100,000	9 L	11	45	L21	6	29 Y	53	57
C17	Trimmer	20 S	11	34	R11	2MΩ	9 K	9	57	L22	44	8 F	48	67
C18	245pf	16 H	11	36	R12	100,000	29 Y	51	57	L23	68	8 E	48	68
C19	Trimmer	21 R	11	36	R13	500,000	29 Y	51	52	L24	1400	L.S. Field	29	72
C22	703pf	12 G	34	38	R14	500	8 K	48	52					
C23	386pf	16 F	36	39	R16	50,000	30 T	49	54	T1 Prim				
C24	Trimmer	24 V	19	31	R17	50,000	5 H	56	58	200-213v	26	30 Q	82	84
C26	125pf	27 Z	19	31	R18	15,000	5 G	29	58	214-228v	28	31 Q	81	84
C27	134pf	27 Y	9	42	R19	1MΩ	6 B	11	46	229-244v	31	31 Q	79	84
C28	Trimmer	24 U	9	42	R20	5,000	5 F	60	66	245-260v	33	32 Q	78	84
C29	8μF	5 D	11	29	R21	25,000	29 M	66	67	H.T. Sec	230	31 Q	11	73
C31	Trimmer	27 V	29	44	R22	50,000	5 J	59	62	+210		31 Q	11	74
C32	125pf	29 Z	29	44	R23	180	5 H	11	61	T2 Prim	140	10 F	29	64
C33	125pf	29 Y	53	57	R24	500,000	6 H	11	59	Sec.		10 F	68	69
C34	Trimmer	27 U	53	57	R25	5,000	5 K	63	68	L.S.				
C36	0.025μF	8 G	11	41	R26	75	8 K	11	67	Sp. Coil	2		69	71
C37	0.002μF	30 X	47	51						Hum-				
C38	100pf	29 Y	52	57	L1	—	15 F	2	11	bucking	—			
C39	100pf	29 Y	51	52	L2	1.25	16 D	3	11	Coil			68	71
C41	0.1μF	7 L	48	68										
C42	4μF (300v)	5 B	11	58										

# TABLE OF COMPONENTS

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CODE	VALUE	SQUARE	TEST		CODE	VALUE	SQUARE	TEST		CODE	VALUE	SQUARE	TEST	
			From	To				From	To				From	To
C1a	Variable	22 P	6	11	C45	500pf	2 L	63	64	L1	—	15 F	2	10
C1b	Variable	22 Q	11	12	C46	50μF (12v.)	5 J	11	61	L2	1.25	16 D	3	10
C1c	Variable	22 S	11	37	C47	16μF (400v.)	8 F	11	72	L3	10	15 D	4	10
C2	Trimmer	21 Q	11	14	C48	16μF (400v.)	5 E	11	76	L4	—	15 F	9	13
C3	50pf	14 D	8	9	C49	0.04μF	5 F	72	81	L6	4	15 D	9	14
C4	62pf	15 E	9	16						L7	12	15 D	9	16
C5	0.01μF	15 K	10	11						L8	4	15 D	7	9
C6	Trimmer	22 P	6	11	R1	10,000	13 H	18	29	L9	12	15 D	8	9
C7	Trimmer	22 Q	11	12	R2	20,000	13 J	20	32	L11	—	15 G	27	28
C8	0.1μF	16 F	9	11	R3	5,000	12 K	29	31	L12	1.5	15 G	26	27
C9	0.025μF	11 J	17	18	R4	300	16 H	11	17	L13	—	15 H	11	33
C11	0.05μF	15 J	11	17	R6	100	15 G	23	28	L14	25	15 H	11	34
C12	200pf	16 G	11	27	R7	1,000	15 H	24	26	L16	4	15 H	11	36
C13	100pf	12 J	21	32	R8	20,000	16 G	17	27	L17	6	26 Y	19	31
C14	0.025μF	26 Y	11	31	R9	400	11 H	11	41	L18	6	26 Y	9	42
C16	Trimmer	20 T	11	33	R10	400	13 L	40	43	L19	6	29 X	29	44
C17	Trimmer	20 S	11	34	R11	2 MΩ	9 K	9	57	L21	6	29 Y	53	57
C18	245pf	16 H	11	36	R12	100,000	28 Y	51	57	L22	44	8 F	48	67
C19	Trimmer	21 R	11	36	R13	500,000	29 Y	51	52	L23	68	8 E	48	68
C22	703pf	12 G	34	38	R14	1,500	8 K	48	52	L24	900	L.S. Field	72	76
C23	386pf	13 G	36	39	R16	50,000	29 R	49	54	L26	500	31 R	29	76
C24	Trimmer	24 V	19	31	R17	50,000	4 H	29	56	L27	3	32 W	11	84
C26	125pf	26 Z	19	31	R19	1 MΩ	6 B	11	46	L28	3	32 W	81	83
C27	134pf	26 Y	9	42	R20	2,000	5 G	60	66					
C28	Trimmer	24 U	9	42	R21	25,000	29 M	66	67					
C29	16μF (400v.)	5 D	11	29	R22	50,000	30 T	59	62	T1 prim	56	9 B	40	43
C31	Trimmer	27 V	29	44	R23	140	6 J	11	61	T1 sec	1500	9 B	11	45
C32	125pf	29 Z	29	44	R24	500,000	5 H	11	59					
C33	125pf	29 Y	53	57	R25	5,000	5 H	63	68	T2 prim	170	10 F	64	76
C34	Trimmer	27 U	53	57	R26	75	8 K	11	67	T2 sec 1	—	10 F	10	73
C36	0.025μF	9 H	11	41	R27	51	26 Q	11	78	T2 sec 2	1.5	10 F	68	69
C37	0.01μF	29 X	47	51	R29	50	31 W	74	81					
C38	100pf	29 Y	52	57	R31	314	32 X	93	94	L.S.				
C39	100pf	29 Y	51	52	R32	50	32 X	92	93	Sp. coil	2		10	71
C41	0.1μF	7 H	48	68	R33	50	32 X	91	92	Hum-				
C42	25μF (12v)	8 K	48	52	R34	50	32 X	89	91	bucking				
C43	0.025μF	5 H	56	59	R36	50	32 W	88	89	coil	—		71	73
C44	0.04μF	5 G	64	66	R37	50	32 W	82	88					





# TABLE OF COMPONENTS

# A52

CODE	VALUE	TEST		SQUARE	CODE	VALUE	TEST		SQUARE	CODE	VALUE	TEST		SQUARE	CODE	VALUE	TEST		SQUARE
		From	To				From	To				From	To				From	To	
C1a	Variable	11	13	30 G	C51	0.01μF	57	76	5 G	R22	20,000	29	46	10 E	L7	12	8	12	8 G
C1b	Variable	11	22	30 E	C52	0.025μF	11	74	5 H	R23	10	44	46	16 B	L8	—	16	17	16 E
C1c	Variable	11	39	30 D	C53	0.025μF	11	76	4 C	R24	10	11	54	8 D	L9	15	17	81	15 E
C2	10pf	6	11	7 H	C54	100pf	74	75	40 M	R26	2,000	53	81	11 C	L11	—	11	23	15 D
C3	Trimmer	9	11	34 F	C55	Trimmer	74	75	35 J	R27	25,000 1w	61	81	5 B	L12	4	27	26	15 D
C4	30pf	8	11	38 M	C56	Trimmer	80	82	36 H	R28	10,000	59	72	6 E	L13	12	27	21	15 E
C6	Trimmer	8	11	34 G	C57	125pf	80	82	40 M	R29	150	63	64	38 C	L14	—	43	44	15 B
C7	Trimmer	11	13	30 F	C58	200pf	79	86	40 P	R31	1,000	11	64	2 K	L16	1.5	46	47	9 D
C8	0.1μF	11	12	7 G	C59	50pf	75	78	39 M	R32	20,000	63	65	38 D	L17	2.5	47	48	9 D
C9	0.025μF	14	18	14 G	C61	0.01μF	11	87	6 G	R33	33,000 1w	68	71	4 C	L18	—	49	50	15 B
C11	0.025μF	18	19	14 H	C62	0.01μF	11	73	4 C	R34	5,000	27	87	12 E	L19	2.5	41	53	9 D
C12	Trimmer	26	11	27 D	C63	200pF	82	83	40 N	R36	300	11	76	3 B	L21	4	42	53	9 D
C13	20pf	21	11	32 M	C64	100pF	82	84	40 M	R37	1MΩ	57	77	39 N	L22	1.5	32	37	7 E
C14	Trimmer	21	11	27 E	C66	0.025μF	96	97	3 F	R38	1.5MΩ	77	78	39 N	L23	1.5	58	59	7 E
C16	0.015μF	72	11	13 E	C67	0.005μF	89	91	3 A	R39	500,000	11	77	39 N	L24	5	37	38	7 E
C17	Trimmer	11	22	30 G	C68	25μF (12v)	94	96	4 E	R41	2 MΩ	87	78	7 H	L26	5	56	57	7 E
C18	0.025μF	28	29	10 E	C69	0.1μF	11	92	2 C	R42	20,000	81	74	5 C	L27	1	65	67	38 C
C19	0.05μF	11	29	9 G	C71	0.05μF	99	102	4 B	R43	1.5MΩ	80	86	5 E	L28	1	66	68	39 C
C21	0.05μF	11	37	6 F	C72	4μF	11	101	19 E	R44	1.5MΩ	83	86	5 D	L29	1.5	74	75	40 N
C22	200pf	48	50	15 C	C73	8μF	11	81	19 F	R46	1MΩ	73	83	5 D		+3.5			
C23	Trimmer	33	37	33 A	C74	0.04μF	106	107	6 B	R47	2MΩ	84	97	4 G	L31	2.5	80	82	40 M
C24	100pf	34	36	9 E	C76	0.1μF	94	109	3 C	R48	500,000	84	88	40 M		+2.5			
C26	0.001μF	11	50	13 C	C77	8μF	11	112	19 F	R49	1MΩ	91	92	3 B	L32	4	108	109	37 E
C27	Trimmer	11	49	38 D	C78	8μF	11	113	19 F	R51	500,000	88	96	40 N	L33	250	81	112	L.S.F
C28	Trimmer	41	11	32 C						R52	1MΩ	81	98	22 B	L34	550	112	113	25 F
C29	200pf	42	11	34 M						R53	15,000	81	101	5 B					
C31	Trimmer	42	11	32 D	R1	20,000	4	11	10 H	R54	50,000	99	101	5 B					
C32	703pf	11	51	12 C	R2	10	7	9	8 F	R56	500	94	96	3 D	T1 Prim				
C33	386pf	42	52	10 C	R3	100,000	8	12	8 G	R57	10	92	94	2 C	200—213v	16	179	188	
C34	0.05μF	53	54	8 D	R4	10,000	12	19	13 G	R58	9,000	11	92	2 C	214—228V	17.5	179	187	
C36	0.01μF	54	59	7 D	R6	10	13	15	28 G	R59	100,000	11	102	4 H	229—244V	19	179	186	
C37	100pf	37	38	8 F	R7	20,000	14	81	15 G	R61	50,000	102	103	4 J	245—260V	20.5	179	184	23 G
C38	Trimmer	37	38	8 F	R8	300	18	19	13 G	R62	180 ½w	11	104	3 H	H.T.Sec.	115	11	114	
C39	Trimmer	32	38	7 F	R9	2,000	11	19	14 K	R63	25,000	81	107	7 A		+125	11	116	
C41	125pf	56	57	36 M	R11	1,000	17	81	16 E	R64	1,000	102	121	16 F					
C42	Trimmer	56	57	34 E	R12	10	24	26	11 F						T2 Prim	325	81	111	
C43	Trimmer	58	59	34 D	R13	40,000	21	27	15 E						Sec.	—	92	108	36 B
C44	0.025μF	61	63	3 E	R14	25,000	28	81	13 E	L1	—	2	11	7 G					
C46	0.025μF	11	63	3 E	R16	33,000 1w	34	81	8 E	L2	1.5	3	11	7 G	L.S.	2	92	108	
C47	300pf	63	65	38 D	R17	5,000	37	81	8 E	L3	10	4	11	7 G	Sp. Coil				
C48	0.002μF	63	68	38 B	R19	200	11	29	9 G	L4	—	6	11	8 G					
C49	200pf	66	68	39 B	R21	2,000	46	48	11 E	L6	4	9	12	7 G					

TABLE OF VOLTAGES											B45
VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE	VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE
V1	Mazda VP22	Anode (V/C Max) (V/CMin)	7	7 F	62 95	V2	Mazda HL2 or HL22	Anode	16	4 F	42
		Screen (V/C Max) (V/C Min)	8	7 F	50 78	V3		Mazda Pen24	Anode	26	2 C
									Screen	11	3 C
H.T. negative			29	2 E	-10	H.T. current			7m/A		

TABLE OF VOLTAGES											B47
VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE	VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE
V1	Mazda TP23	Pentode Anode	19	13 J	111	V3	Mazda L22DD Mazda QP230	Anode	56	7 G	65
		Pentode Screen	18	13 H	65	V4		Anode 1	66	6 K	111
		Triode Anode	21	12 J	S.W. 90 M.W. 60 L.W. 70			Anode2	67	6 J	111
								Screen	29	6 K	111
V2	Mazda VP22	Anode	44	9 H	111		H.T. negative		73	4 G	-9
		Screen	18	9 H	65						
Total H.T. current (with no signal) M.W. and L.W. 8.5 m/A S.W. 12 m/A											

TABLE OF VOLTAGES												A46
VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE	VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE	
V1	Mazda AC/TH1	Hexode Anode	19	10 G	110	V3	Mazda HL41DD	Anode	56	6 C	85	
		Hexode Screen	18	11 F	90			Cathode	52	6 C	1	
		Triode Anode	21	10 G	S.W. 60 M.W. 70 L.W. 80	V4	Mazda AC/5Pen	Anode	64	6 H	220	
		Cathode	17	11 G	3.5			Screen	29	6 G	230	
V2	Mazda AC/VP2	Anode		8 E	230	V5	Mazda UU4 (or UU6)	Cathode	61	6 G	7	
		Screen	29	8 E	230			Cathode	72	6 E	315	
		Cathode	41	8 E	4			L.S. Field			29-72	27 O

TABLE OF VOLTAGES												D46
VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE	VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE	
V1	Mazda TH2321	Hexode	19	10 G	100	V3	Mazda HL.133.DD	Anode	56	6 C	80	
		Anode						Cathode	52	6 D	2	
		Hexode Screen	18	11 F	100	V4	Mazda Pen3820	Anode	64	6 H	175	
		Triode Anode	21	10 G	S.W. 60 M.W. 80 L.W. 85			Screen	29	6 G	160	
V2	Mazda VP133	Cathode	17	11 G	4	V5	Mazda U4020	Cathode	61	6 G	10	
		Anode	44	5 E	180			Cathode	72	36 E	230	
		Screen	29	5 E	160			L.S. Field			72-76	27 S
		Cathode	41	9 E	5							

TABLE OF VOLTAGES												A48
VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE	VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE	
V1	Mazda AC/TH1	Hexode Anode	19	13 J	195	V3	Mazda AC/HLDD or HL.41.DD	Anode	56	8 G	90	
		Hexode Screen	18	13 H	95			Cathode	52	7 H	1	
		Triode Anode	21	13 J	S.W. 70 M.W. 75 L.W. 80	V4	Mazda AC/5Pen	Anode	64	6 K	210	
		Cathode	17	13 J	4			Screen	29	6 J	215	
V2	Mazda AC/VP2	Anode	44	9 J	215	V5	Mazda UU4	Cathode	61	6 K	7.5	
		Screen	29	10 J	215			Cathode	72	3 G	310	
		Cathode	41	10 H	4	L.S. Field			29-72	32 Q	95	

TABLE OF VOLTAGES												D48
VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE	VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE	
V1	Mazda TH2320 or TH2321	Hexode	19	13 J	115	V3	Mazda HL/DD1320 or HL.133.DD	Anode	56	8 G	80	
		Anode						Cathode	52	7 H	1.5	
		Hexode				V4	Mazda PenDD4021 or Pen3820	Anode	64	6 J	150	
		Screen	18	13 H	100			Screen	29	6 K	140	
		Triode	21	13 J	M.W. 55 L.W. 60			Cathode	61	6 K	6	
		Anode	17	13 J	4	V5	Mazda U4020	Cathode	72	3 G	230	
V2	Mazda VP1322 or VP133	Cathode				L.S. Field			72-76	32 X	90	
		Anode	44	9 J	140							
		Screen	29	10 J	140							
		Cathode	41	10 H	2							

TABLE OF VOLTAGES												A50
VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE	VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE	
V1	Mazda AC/VP2	Anode	17	13 D	170	V4	Mazda ME41	Triode Anode	82	32 M	20	
		Screen	16	13 D	170			Cathode	99	32 M	14	
		Cathode	18	13 D	1.6			Screen	81	33 M	220	
V2	Mazda AC/TH1	Hexode Anode	36	10 H	200	V5	Mazda HL41DD	Anode	101	3 J	95	
		Hexode Screen	34	11 G	85			Cathode	99	3 J	14	
		Triode Anode	38	10 G	60	V6	Mazda AC/4Pen	Anode	111	3 G	210	
		Triode Cathode	37	11 H	2.1			Screen	81	3 H	220	
V3	Mazda AC/VP2	Anode	67	6 J	200	V7	Mazda UU4	Cathode	108	2 G	7	
		Screen	81	6 J	220			Loudspeaker Field		116-81	24 Q	80
		Cathode	66	7 J	3							

TABLE OF VOLTAGES												D50
VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE	VALVE	TYPE	ELECTRODE	TEST POINT	SQUARE	VOLTAGE	
V1	Mazda VP133	Anode	17	13 D	100	V4	Mazda ME91	Triode Anode	82	33 M	30	
		Screen	16	13 D	100			Cathode	99	33 N	21	
		Cathode	18	13 D	1.4			Screen	116	33 M	160	
V2	Mazda TH2321	Hexode Anode	36	10 H	125	V5	Mazda HL133DD	Anode	101	4 J	100	
		Hexode Screen	34	11 G	80			Cathode	99	4 J	21	
		Triode Anode	38	10 G	50	V6	Mazda Pen3820	Anode	111	3 G	160	
		Triode Cathode	37	11 H	2.4			Screen	81	3 H	140	
V3	Mazda VP133	Anode	67	6 J	120	V7	Mazda U4020	Cathode	108	2 G	6.5	
		Screen	81	7 H	140			Loudspeaker Field		116-99		140
		Cathode	66	6 J	2.2							

The voltage tables should be taken as a guide; considerable variations may occur without affecting the efficiency of the receiver. The readings were taken to chassis unless otherwise stated using a 0-50V. and 0-500V. 1,000 ohms-per-volt meter, with the receivers working on 230 volts A.C. and switched to M.W. (unless otherwise stated). Signals which are sufficiently powerful to operate the A.V.C. circuit will cause a variation in the voltage at points where A.V.C. is applied.

# TABLE OF VOLTAGES

**A52**

Valve	Type	Electrode	Test Point	Square	Voltage
V1	SP41	Anode	16	15 G	<b>245</b>
		Screen	14	15 G	<b>210</b>
		Cathode (R9 Max.)	18	15 G	<b>18</b>
		Cathode (R9 Min.)	18	15 G	<b>2.2</b>
V2	AC/TH1	Hexode Anode	31	9 F	<b>220</b>
		Hexode Screen	28	9 F	<b>95</b>
		Triode Anode	34	10 F	<b>80</b>
		Cathode	29	9 F	<b>2.5</b>
V3	AC/TH1	Hexode Anode	62	2 E	<b>220</b>
		Hexode Anode S.W.	62	2 E	<b>200</b>
		Hexode Screen	61	3 F	<b>105</b>
		Hexode Screen S.W.	61	3 E	<b>85</b>
		Triode Anode	66	2 E	<b>—</b>
		Triode Anode S.W.	66	2 E	<b>85</b>
		Cathode	63	2 F	<b>2</b>
V4	AC/VP2	Anode	75	5 G	<b>225</b>
		Screen	74	5 F	<b>225</b>
		Cathode	76	5 F	<b>3</b>
V5	HL41DD	Anode	99	3 G	<b>110</b>
		Cathode	96	3 G	<b>25</b>
V6	AC/5Pen	Anode	106	3 H	<b>240</b>
		Screen	81	3 J	<b>245</b>
		Cathode	104	3 J	<b>8.5</b>
V8	ME41	Anode	81	22 C	<b>245</b>
		Triode Anode	98	22 C	<b>40</b>
		Cathode	96	22 C	<b>25</b>
V9	UU4	Cathode	113	17 E	<b>310</b>