

PARTS LIST

FOR

433

433D200,201,202,205	1N4148				830 414 80
D203,204	AA143				830 014 30
D206,215,216,217, 218	1S920				830 192 01
D207,208,209,210 211,212,213,214 D219,220	BZX79C8V2	Zener			832 798 21
433L200	BZX79	Zener			832 795 60
	1 uH			HF-Choke	740 010 00
L201,202	150 uH			RF-Choke	740 215 00
L203,204,205,206	100 uH			RF-Choke	740 210 02
433PL1	6 Way				751 000 92
PL2	20 Way				756 020 02
PL3	26 Way				756 026 03
PL4	10 Way				751 000 93
433Q1	BC547B				840 054 70
Q100,107	BC547B				840 054 70
Q102,101	BD204				842 020 40
Q103,104	BC557B				840 055 70
Q105,106	BC327				840 032 70
Q200,201	2N5485				840 548 50
Q202,203,204,205	BC547B				840 054 70
433R1	2.2 kohm	5%	1/3W	Car.	501 322 00
R2	18 kohm	5%	1/3W	Car.	501 418 00
R3	27 kohm	5%	1/3W	Car.	501 427 00
R4	470 kohm	5%	1/3W	Car.	501 547 00
R5					

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433R100, 113, 114, 118, 145	4.7 kohm	5%	1/3W	Car.	501 347 00
R101, 102, 112	1.5 kohm	5%	1/3W	Car.	501 315 00
R103, 150	150 ohm	5%	1/3W	Car.	501 215 00
R104, 116, 121	47 kohm	5%	1/3W	Car.	501 447 00
R105, 122, 152	100 kohm	5%	1/3W	Car.	501 510 00
R106, 107, 111	150 kohm	5%	1/3W	Car.	501 515 00
R108, 119	1 kohm	5%	1/3W	Car.	501 310 00
R109, 110, 120, 135, 136, 137, 138, 151	10 kohm	5%	1/3W	Car.	501 410 00
R151	22 kohm	5%	1/3W	Car.	501 422 00
R115, 123, 141, 143, 144	27 kohm	5%	1/3W	Car.	501 427 00
R117	1 Mohm	5%	1/3W	Car.	501 610 00
R124, 125, 126, 127 128	33 kohm	5%	1/3W	Car.	501 433 00
R129	560 kohm	5%	1/3W	Car.	501 556 00
R130, 132	220 ohm	5%	1/3W	Car.	501 222 00
R131	270 ohm	5%	2.5W	MF	546 227 00
R133	560 ohm	5%	1.6W	MF	544 256 00
R134, 139	390 ohm	5%	1/3W	Car.	501 239 00
R140, 142	6.8 kohm	5%	1/3W	Car.	501 368 00
R146	330 ohm	5%	1/3W	Car.	501 233 00
R147	1 ohm	5%	1/3W	Car.	502 010 00
R148, 149	470 ohm	5%	1/3W	Car.	501 247 00
R200	22 kohm	5%	2/3W	Car.	504 422 00
R201, 202	470 ohm	5%	1/3W	Car.	501 247 00

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433R203	1.2 kohm	5%	1/3W	Car.	501 312 00
R204,211,212,213, 214,236,237,238, 239,240,241,242, 243	1 kohm	5%	1/3W	Car.	501 310 00
R205,206	240 ohm	1%	1/2W	MF	512 224 00
R207	150 kohm	5%	1/3W	Car.	501 515 00
R208,209,226 ,252,253	1 Mohm	5%	1/3W	Car.	501 610 00
R210,215,216,218, 244,245,248,249	100 kohm	5%	1/3W	Car.	501 510 00
R217	100 ohm	5%	1/3W	Car.	501 210 00
R219,228	15 kohm	5%	1/3W	Car.	501 415 00
R220,227,230,232, 234,235	4.7 kohm	5%	1/3W	Car.	501 347 00
R235	2,2 kohm	5%	1/3W	Car.	501 322 00
R221	33 kohm	5%	1/3W	Car.	501 433 00
R222,255	6.8 kohm	5%	1/3W	Car.	501 368 00
R223,224,250,251, 254	10 kohm	5%	1/3W	Car.	501 410 00
R225,231,233	27 kohm	5%	1/3W	Car.	501 427 00
R229	8.2 kohm	5%	1/3W	Car.	501 382 00
R246,247	220 kohm	5%	1/3W	Car.	501 522 00
433T200,201					103 404 51
U100,104,106,110, 111	4027 B				850 402 270
U101,107	4017 B				850 401 70
U102	LM78L15				850 781 50
U103,105,108,109	4001 B				850 400 10

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433U112	4075 B	850 407 50
U113	NE555	850 055 50
U200	LM2901	850 290 10
U201	741	850 074 10
U202	LM348	850 034 80

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FOR

434

Printed Circuit Board Complete 434						107 443 41
434C1,2,13	360 pF	5%	500V	Mica		645 236 00
C3,5,8,9,10,14,16	200 pF	5%	500V	Glass		645 220 00
C4,15	180 pF	5%	500V	Glass		645 218 00
C6,7,11	390 pF	5%	500V	Mica		645 239 00
C12	220 pF	5%	500V	Glass		645 222 00
C17	110 pF	5%	500V	Mica		645 211 00
C18	220 pF	5%	500V	Mica		645 222 01
C19	240 pF	5%	500V	Glass		645 224 00
C20	240 pF	5%	500V	Mica		645 224 00
C21,22,23,26	47 nF	10%	250V	Polyes.		624 447 01
C24,25	0.22 uF	10%	250V	Polyes.		624 522 01
434L1,4						103 406 9X
L2						103 404 8X
L3						103 404 7X
L5						103 405 5X
L6						103 404 9X
434R1,5	150 ohm	5%	1/3W	Car.		501 215 00
R2,3,4	150 ohm	5%	5W	Metox		547 215 00
434RL1,2	1 Change over		15.6V	Coil		780 000 26
434T1,2						103 405 8X

PARTS LIST

FOR

435

Printed Circuit Board Complete 435						107 443 51
435C1,2	0.1 uF	10%	250V	Polyes.		624 510 00
C3,4,5,6,13,14,15,16, 17,18	0.1 uF	10%	100V	Polyes.		623 510 00
C7,8,11,12	10 nF	10%	250V	Polyes.		623 410 00
C9,10	0.47 uF	10%	63V	Polyes.		622 547 00
435D1	1S920					830 192 00
D2,3	TIL 220					823 000 02
435L1	25 uH	10%		RF-Choke		740 125 00
L2	22 uH	10%		RF-Choke		740 122 00
435Q1,3,5,7	BD 645					842 064 50
Q2,4,6,8	BD 646					842 064 60
435R1,2	3.3 kohm	5%	1/3W	Car.		501 333 00
R3,4,5,6,17,18,19,20	100 ohm	5%	1/3W	Car.		501 210 00
R7,8,9,10,13,14,15,16	10 kohm	5%	1/3W	Car.		501 410 00
R11,12	10 kohm	5%	1/2W	Car.		502 110 00
435RL1	1 Change over		15.6V	Coil		780 000 26
435S1	Micro Switch					765 000 06
435SK1	BNC					750 000 32
SK2	20 Way					106 400 70
435T1						103 403 6X

PARTS LIST

FOR

436

Printed Circuit Board Complete 436						107 443 61
436C1	1.0 uF	10%	63V	Polyes.		622 610 00
C2	10 nF	10%	100V	Polyes.		623 410 00
436D1	AA143					830 014 30
D2	1S920					830 192 00
436R1,2,3,4	3.3 Mohm	5%	1W	WW		623 633 00
R5	47 ohm	5%	2W	Car.		505 147 00
R6	8.2 kohm	5%	1/3W	Car.		501 382 00
R7,8	820 ohm	5%	1/3W	Car.		501 282 00
436T1						103 404 61

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FOR

Power Amplifier Module 200 W

Power Amplifier Module 200 W			107 400 20
F500	24 V AC	50/60 Hz	872 000 06
PL8-445			373 407 91
PL500+SK500	12 Way		106 900 40
SK501	10 Way		106 401 51
SK503, 508	8 Way		106 400 20
SK505, 506	1 Way		106 900 10

PARTS LIST
 FOR
 Power Amplifier 400 W

Power Amplifier 400 W						107 400 20
F400	24 V AC	50/60 Hz				872 000 06
PL400+SK400+ SK408	12 Way					106 900 00
PS8-442						373 407 91
R400	70 ohm	10%	50 W	Metox		548 170 60
SK401,402	10 Way					106 401 51
SK403,408	8 Way					106 400 20
SK404,407	1 Way					106 900 30
SK405,406						106 900 10

PARTS LIST

FOR

441

Printed Circuit Board Complete 441

441 C1, 6, 63, 65 66, 68	47 nF	10%	250 V	Polyes.	624 447 01
C2, 3, 4, 5	22 uF	20%	16V	Tan.	651 722 01
C7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 28, 29, 31, 32, 43, 46,34	0.1 uF	10%	100 V	Polyes.	623 510 01
C10, 26, 27	0.22 uF	10%	63 V	Polyes.	622 522 02
C19, 33	2.2 uF	20%	35 V	Tan.	652 622 01
C25, 47	220 uF	-10/+50%	10V	W. Alum.	651 822 00
C30, 35, 36, 38 48, 49, 50, 51, 55, 56, 57, 58	0.1 uF	10%	100 V	Polyes.	623 510 00
C37, 38, 39, 40, 41, 42	2400 pF	5%	500 V	Mica	645 324 00
C44, 45	0.47 uF	10%	63 V	Polyes.	622 547 00
C52, 62	15 pF	±0.25 pF	400 V	Cer.	605 115 01
C53	470 pF	1%	300 V	Mica.	644 247 00
C54	0.22 uF	10%	100 V	Polyes.	623 522 00
C59	470 uF	-10/+50%	40 V	W.Alum.	652 847 00
C60	22 uF	20%	6.3 V	W.Alum.	650 722 00
C61, 67	47 nF	-20/+80%	16V	Cer.	601 447 00
C64	56 pF	5%	500 V	Mica	645 156 00

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441 D1	BZX79-C13	Zener			832 791 31
D2,	BZX79-C5V6	Zener			832 795 61
D3, 5	IN4148				830 414 80
D4	BZX79-B9V1	Zener			832 799 10
D6	BZX79.B5V1	Zener			832 795 11
D7	IN 5401				831 540 10
441 L1, 3	100 uH	10%		RF Choke	740 210 00
L2	100 uH	10%		RF Choke	740 210 03
L4, 7	4.7 uH	10%		RF Choke	740 047 00
L5, 6, 8, 9	Wide-Band			RF Choke	740 000 00
L10	5 uH	20%		RF Choke	740 050 00
441 P1, 2	1 Way				750 000 33
PL3	8 Way				751 000 98
PL 4, 5, 6	2 Way				750 000 29
441 Q1	BFW 17A				840 001 70
Q2, 3, 7	BD 175				842 017 50
Q4, 8	BD 645				842 064 50
Q5, 6	SD 1220-9	(a matched pair)			842 122 00
Q9, 10	CD 4578 X	(a matched pair)			842 457 80
Q11	BC 547 B				840 054 70
441 R1, 5, 31, 32	22 ohm	5%	1/3W	Car.	501 122 00
R2, 3, 4, 7	56 ohm	5%	1/3W	Car.	501 156 00
R6	150 ohm	5%	1/3W	Car.	501 215 00
R8, 26	820 ohm	5%	1/3W	Car.	501 282 00
R9	6.8 kohm	5%	1/3W	Car.	501 368 00
R10	150 kohm	5%	1/3W	Car.	501 515 00
R12, 24	18 ohm	5%	1/3W	Car.	501 118 00

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441 R13	47 ohm	20%	Var.		582 147 00
R14, 15	4.87 kohm	1%	1/3W	MF	511 348 70
R16	250 ohm	20%	Var.		582 225 00
R17	332 ohm	1%	1/3W	MF	511 233 20
R18	150 ohm	5%	2,5W	Metox	546 215 00
R19	2.74 kohm	1%	1/3W	MF	511 327 40
R20	12.1 kohm	1%	1/3W	MF	511 412 10
R21	24 ohm	5%	1/3W	Car.	501 124 00
R22	110 ohm	5%	1/3W	Car.	501 211 00
R23	7.15 kohm	1%	1/3W	MF	511 371 50
R 25	820 ohm	5%	1/2W	Car.	502 282 00
R27, 38	20 ohm	20%	Var.		582 120 00
R28	6.8 ohm	5%	1/3W	Car.	501 068 00
R29, 30	560 ohm	5%	1/2W	Car.	502 256 00
R33	330 ohm	5%	1/3W	Car.	501 233 00
R34,35	22 ohm	5%	2.5W	Metox.	546 122 01
R36	1.2 kohm	5%	1/3W	Car.	501 312 00
R37, 46	1 kohm	5%	1/3W	Car.	501 310 00
R39, 40, 41, 42	12 ohm	5%	2,5W	Metox.	546 112 00
	or 18 ohm	5%	2,5W	Metox.	546 118 01
	or 27 ohm	5%	2,5W	Metox.	546 127 01
R43	33 ohm	5%	1/3W	Car.	501 133 00
R44, 45	15 ohm	5%	1/2W	Car.	502 115 00
R47	470 kohm	5%	1/3W	Car.	501 547 00
R48	4.7 kohm	5%	1/3W	Car.	501 347 00
441 SK 4, 5, 6				Jumper	750 000 31
441 T1, 2				Transformer	103 406 52
T3				Transformer	103 406 62

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442

Printed Circuit Board Complete 442

442C1,2	0.1 uF	10%	63V	Polyes	622 510 00
C3,4	0.47 uF	10%	63V	Polyes.	622 547 01
C5,6,7,10,13	0.22 uF	10%	63V	Polyes.	622 522 01
C8,9,16	10 nF	10%	63V	Polyes	622 410 01
C11	220 uF		10V	W.Alum.	651 822 01
C14	22 uF		15V	W.Alum.	651 722 00
C15	2.2 uF		25V	W.Alum.	652 622 00
442D1,2,5,6,8	10D05				831 100 51
D3,4	BZX79C4VF	Zener			832 794 70
D7	BZX79C15	Zener			832 791 50
442L1,2	100 uH	10%	RF Choke		740 210 03
442PL1,2	10 Way				751 000 93
PL3	8 Way				751 001 06
PL4,5	1 Way				750 000 36
PL6,7	2 Way				751 001 03
442Q1,2,3,4,5,6	TIP 36B				842 003 60
Q7,8	BC547B				840 054 70
Q9,10,11,12	BD203				842 020 30
Q13	BD175				842 017 50
Q14,15	BC557B				840 055 70
442R1,4	150 ohm	5%	1/3W	Car.	501 215 00
R2,3,6,7	5.6 kohm	5%	1/3W	Car.	501 356 00
R5,8	33 ohm	5%	3W	WW	526 133 00

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442R9,10	12 ohm	5%	25W	WW	528 112 01
R11,14	270 ohm	5%	1/3W	Car.	501 227 00
R12,13	1 kohm	5%	1/3W	Car.	501 312 00
R15,16,37	390 ohm	5%	1/3W	Car.	501 239 00
R17,18	180 ohm	5%	1/3W	Car.	501 218 00
R19,24	0.39 ohm	5%	1W	WW	523 003 90
R20,21,22	3.3 kohm	5%	1/3W	Car.	501 333 00
R23,R40					
R25,26	680 ohm	5%	1/3W	Car.	501 268 00
R27,28	47 ohm	5%	1/3W	Car.	501 147 00
R29,34,43	10 kohm	5%	1/3W	Car.	501 410 00
R30,33	250 ohm	Var.			583 225 00
R31,32	1.5 kohm	5%	1/3W	Car.	501 315 00
R35,54,55 56,57,58	820 ohm	5%	1/3W	Car.	501 282 00
R36	68 ohm	5%	1/3W	Car.	501 168 00
R38	1.8 kohm	5%	1/3W	Car.	501 318 00
R39	6.8 kohm	5%	1/3W	Car.	501 368 00
R41,45	22 kohm	5%	1/3W	Car.	501 422 00
R42	2.7 kohm	5%	1/3W	Car.	501 327 00
R44,48	47 kohm	5%	1/3W	Car.	501 447 00
R46,47	470 ohm	5%	1/3W	Car.	501 247 00
R49	56 ohm	5%	1/3W	Car.	501 156 00
R51,52	51 ohm	5%	1/3W	Car.	501 151 00
R53	100 ohm	5%	1/3W	Car.	501 210 00

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442T1		Transformer	103 405 6X
T2		Transformer	103 405 7X
442U1	7805		850 780 50
U2,3,4	723		850 072 30
U5	2240		850 224 00

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445

Printed Circuit Board Complete 445						107 444 51
445C1	0.1 uF	10%	63V	Polyes		622 510 00
C3	0.47 uF	10%	63V	Polyes		622 547 01
C5,7,13	0.22 uF	10%	63V	Polyes		622 522 01
C8,16	10 nF	10%	63V	Polyes.		622 410 01
C11	220 uF		10V	W.Alum.		651 822 01
C14	22 uF		15V	W.Alum.		651 722 00
C15	2.2 uF		25V	W.Alum.		652 622 00
C19,20,21,22	4.7 nF	10%	250V	Polyes.		624 447 00
445 D1,5,8	10D05					831 100 51
D3	BZX79C4V7	Zener				832 794 70
D7	BZX79C15	Zener				832 791 50
445L1	100 uH			RF Choke		740 210 03
445PL5	1Way					750 000 35
PL7	2Way					751 001 03
445Q1,2,3	TIP36B					842 003 60
Q7	BC547B					840 054 70
Q9,11	BD203					842 020 30
Q13	BD175					842 017 50
Q14,15	BC557B					840 055 70
445R1	150 ohm	5%				
R2,6	5.6 kohm	5%	1/3W	Car.		501 356 00
R5	33 ohm	5%	3W	WW		526 133 00

993 444 51

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445

445R9	12 ohm	5%	25W	WW	528 112 01
R11	270 ohm	5%	1/3W	Car.	501 227 00
R12	1 kohm	5%	1/3W	Car.	501 312 00
R15,37	390 ohm	5%	1/3W	Car.	501 239 00
R17	180 ohm	5%	1/3W	Car.	501 218 00
R19	0.39ohm	5%	1W	WW	523 003 90
R20,21,40	3.3 kohm	5%	1/3W	Car.	501 333 00
R25	680 ohm	5%	1/3W	Car.	501 268 00
R27	47 ohm	5%	1/3W	Car.	501 147 00
R29,43	10 kohm	5%	1/3W	Car.	501 410 00
R30	250 ohm		3/4W		583 225 00
R31	1.5 kohm	5%	1/3W	Car.	501 315 00
R35,54,55,56,57 58	820 ohm	5%	1/3W	Car.	501 282 00
R36	68 ohm	5%	1/3W	Car.	501 168 00
R38	1.8 kohm	5%	1/3W	Car.	501 318 00
R39	6.8 kohm	5%	1/3W	Car.	501 368 00
R41,R45	22 kohm	5%	1/3W	Car.	501 422 00
R42	2.7 kohm	5%	1/3W	Car.	501 327 00
R44,48	47 kohm	5%	1/3W	Car.	501 447 00
R46,47	470 ohm	5%	1/3W	Car.	501 247 00
R49	56 ohm	5%	1/3W	Car.	501 155 00
R51,52	51 ohm	5%	1/3W	Car.	501 151 00
R53	100 ohm	5%	1/3W	Car.	501 210 00
445RL1			RF Choke		780 000 25
445T3			Transformer		103 406 5X