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**Cobra 28A Owner's Manual Parts List**

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# COBRA 28A PARTS LIST

531-028-0-000

SCHEMATIC SYMBOL	DESCRIPTION	DYNASCAN PART NO.
<b>RESISTORS, CONTROLS, AND THERMISTORS</b>		
R83	Semi-Fixed(Pot.) 10K Ohms .....	008-158-9-012
R25	Semi-Fixed(Pot.) 50K Ohms .....	008-158-9-013
R102	Semi-Fixed(Pot.) 200K Ohms .....	008-158-9-014
R84	Variable 5K Ohms .....	008-158-9-005
R58	Variable 20K Ohms .....	008-158-9-015
R118	Variable 50K Ohme .....	008-158-9-007
R85	Thermistor D33A .....	004-099-9-002

## CAPCITORS

C12	Ceramic SL 1pF, 50V .....	020-097-9-005
C16, 58, 70	Ceramic SL 2pF, 50V .....	020-097-9-004
C65, 69, 124	Ceramic SL 3pF, 50V .....	020-097-9-014
C9, 21	Ceramic SL 5pF, 50V .....	020-097-9-007
C66	Ceramic SL 7pF, 50V .....	020-097-9-019
C34, 79	Ceramic SL 10pF, 50V .....	020-097-9-010
C13	Ceramic SL 15pF, 50V .....	020-097-9-008
C14	Ceramic SL 22pF, 50V .....	020-097-9-006
C40, 49, 63	Ceramic SL 47pF, 50V .....	020-097-9-011
C39	Ceramic SL 56pF, 50V .....	.....
C77	Ceramic SL 82pF, 50V .....	020-097-9-020
C48, 62	Ceramic SL 100pF, 50V .....	020-088-9-004
C67, 74, 78, 81	Ceramic SL 150pF, 50V .....	020-097-9-002
C80	Ceramic SL 220pF, 50V .....	020-097-9-009
C24	Ceramic NPO 1.5pF, 50V .....	031-030-9-006
C8	Ceramic NPO 10pF, 50V .....	031-030-9-005
C5	Ceramic N470 22pF, 50V .....	031-030-9-007
C15, 18	Ceramic N470 180pF, 50V .....	020-088-9-005
C55, 56, 90, 98	Ceramic YR 470pF, 50V .....	020-097-9-022
C1, 3, 4, 6, 7, 10, 11 17, 23, 28, 29, 35, 36 37, 31, 38, 41, 42, 43 44, 46, 47, 64, 68, 71 72, 73, 75, 76, 82, 85, 88 91, 92, 94, 96, 99, 102 109, 111, 112, 115, 116 117, 118, 119, 120, 121 122, 123	} Ceramic YR 4700pF, 50V .....	020-088-9-008

COMPOSITE  
499-067-9-001

SCHEMATIC SYMBOL	DESCRIPTION	DYNASCAN PART NO.
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### CAPACITORS

C100	Semi-Conductor Capacitor	0.1 $\mu$ F	033-017-9-001
C54	Mylar-Film	6800pF, 50V	025-060-9-002
C20, 22, 25, 26, 27, 59, 87, 93	Mylar-Film	0.033 $\mu$ F, 50V	025-060-9-003
C95, 104	Tantalum	33 $\mu$ F, 3V	027-005-9-001
C51, 52, 53, 83	Electrolytic	1 $\mu$ F, 50V	022-076-9-001
C19, 30	Electrolytic	3.3 $\mu$ F, 50V	022-076-9-002
C2, 32, 45, 61, 84, 89, 97, 101	Electrolytic	10 $\mu$ F, 16V	022-076-9-003
C33, 60, 103	Electrolytic	33 $\mu$ F, 16V	022-076-9-005
C107	Electrolytic	100 $\mu$ F, 10V	022-076-9-010
C106	Electrolytic	100 $\mu$ F, 16V	022-091-9-001
C108	Electrolytic	220 $\mu$ F, 25V	022-076-9-011

### COILS, CHOKES, AND TRANSFORMERS

T1	RF Transformer	L1790	066-015-9-004
T2, 3	RF Transformer	L1642	066-015-9-014
T4, 5	RF Transformer	L1643	066-015-9-015
T6, 7, 8	IF Transformer	DI0753	060-014-9-004
T9	RF Transformer	L1503	066-013-9-006
T10, 11, 12	RF Transformer	L1505	066-013-9-009
T13	AF Driver Transformer	8786	068-008-9-001
T14	AF Output Transformer	7509	061-025-9-001
L1	RF Coil	L1906	044-025-9-003
L2	RF Coil	L1905	044-025-9-004
L4	RF Choke Coil	L1998	042-013-9-002
L5	RF Coil	L1101	044-025-9-002
L6, 7	RF Coil	L1904	044-025-9-005
L8	AF Choke Coil	9013	042-013-9-003

### DIODES, TRANSISTORS, AND INTEGRATED CIRCUIT

IC1	MH-5-015-D(Hybrid IC)		307-059-9-001
IC2	TA7062P		307-007-9-002
Q1, 5~6, 11, 14~24	2SC372 NPN Silicon		176-029-9-001
Q2	2SC784 NPN Silicon		176-026-9-001
Q3	2SK19-GR FET		182-009-9-001
Q4, 7~10, 12~13	2SC785 NPN Silicon		176-037-9-001
Q25	2SC387ANPN Silicon		176-044-9-002
Q26	2SC166 NPN Silicon		176-037-9-002
Q27	2SC482 NPN Silicon		176-029-9-002
Q28	2SC1237 NPN Power Silicon		172-013-9-001
Q29	2SC735 NPN Silicon		176-031-9-001

SCHEMATIC  
SYMBOL

DESCRIPTION

DYNASCAN  
PART NO

**DIODES, TRANSISTORS, AND INTEGRATED CIRCUIT**

Q30	2SC562 PNP Silicon	.....	177-006-9-002
Q31, 33	2SC732 NPN Silicon	.....	176-031-9-002
Q32	2SA495 PNP Silicon	.....	177-006-9-001
Q34, 35, 36	2SD235 NPN Power Silicon	.....	172-010-9-001
CD1, 2, 5~12, 15 ~19, 21, 23, 26	1S1555	.....	151-030-9-001
CD3, 4, 27			
CD13	02Z6.2A	.....	152-047-9-001
CD14	1S1658	.....	151-030-9-004
CD20	1S1553	.....	151-042-9-001
CD22, 24, 25, 28 29, 31	1S1885	.....	151-030-9-005
CD30			

**CRYSTALS**

X1	Crystal	10.000 MHz	.....	132-022-9-011
X2	Crystal	10.010 MHz	.....	132-022-9-012
X3	Crystal	10.020 MHz	.....	132-022-9-013
X4	Crystal	10.040 MHz	.....	132-022-9-014
X5	Crystal	16.965 MHz	.....	132-022-9-001
X6	Crystal	17.015 MHz	.....	132-022-9-002
X7	Crystal	17.065 MHz	.....	132-022-9-003
X8	Crystal	17.115 MHz	.....	132-022-9-004
X9	Crystal	17.165 MHz	.....	132-022-9-005
X10	Crystal	17.215 MHz	.....	132-022-9-006
X11	Crystal	9.545 MHz	.....	132-022-9-007
X12	Crystal	9.555 MHz	.....	132-022-9-008
X13	Crystal	9.565 MHz	.....	132-022-9-009
X14	Crystal	9.585 MHz	.....	132-022-9-010

**SWITCHES AND CONNECTORS**

S1	Rotary Switch	24steps	.....	083-121-9-001
S2, 3, 4, 5	Slide Switch	4C-2P	.....	084-023-9-001
J1	Antenna Jack	S0239	.....	772-002-9-001
J2	Microphone Jack		.....	773-057-9-001
J3, 4	PA and EXT SP Jack		.....	773-057-9-002
P1	Microphone Plug		.....	775-029-9-001

**MISCELLANEOUS**

K1	Relay	4C-2P 12V	.....	441-006-9-001
M1	Meter	200 $\mu$ A	.....	320-035-9-001
MK1	Dynamic Microphone		.....	562-003-9-001

SCHEMATIC  
SYMBOL

DESCRIPTION

DYNASCAN  
PART NO.

**MISCELLANEOUS**

PL1, 2, 3	Indicator Lamp .....	400-022-9-001
PL4	Indicator Lamp .....	400-022-9-002
SP1	Speaker 6.3" x 2.35" .....	580-012-9-001
U1	Ceramic Filter BFB455L.....	140-010-9-001
U2	Ceramic Filter CFU455I .....	140-010-9-002
F1	Fuse 2A .....	191-251-3-002
FS1	Fuse Holder .....	742-028-9-001
	Shield washer for 2SD235 and 2SC1237 .....	347-056-9-001
	Shield Spacer for 2SD235 and 2SC1237 .....	759-057-9-001
	Knob for Channel Switch .....	751-082-9-001
	Knob for Volume, Squelch and Delta .....	751-082-9-002
	Channel Indicator .....	380-153-9-001
	Sub Panel for Channel Switch and Delta .....	254-015-9-001
	Sub Panel for Volume and Squelch .....	254-015-9-002
	Meter Holder .....	251-089-9-001
	Kit Screws and Nuts .....	763-032-9-001
	Instruction Manual .....	480-160-9-001
	Parts List .....	488-143-9-002
	Schematic Diagram .....	488-143-9-001
	Car Mounting Bracket .....	250-048-9-001
	Screws for Mounting Bracket .....	634-049-9-001
	Microphone Clip .....	763-033-9-001
	Heat Sink for RF Drive .....	747-030-9-001
	DC Power Cord Ass'y .....	523-114-9-001
	Case .....	272-101-9-001

NOTE: Standard value resistors and capacitors are not listed, values may be obtained from schematic diagram.

Minimum charge \$2.00 per invoice. Orders will be shipped C.O.D. unless previous open account arrangements have been made or remittance accompanies order. Advance remittance must cover postage or express charge.

Specify serial number when ordering replacement parts.