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Cobra 19 Parts List

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BILLS OF MATERIAL FOR COBRA 19

CIRCUIT SYMBOL	DESCRIPTION	PARTS NO
TRANSISTORS & DIODES		
TR 1,2	Transistor 2SC394 (Y)	176-042-9-001
TR-3 4 5,7,8,9 14,15,16	Transistor 2SC839 (F)	176-042-9-002
TR-6	Transistor 2SC373	176-025-9-001
TR-10,17	Transistor 2SC945(R).....	176-042-9-003
TR-11	Transistor 2SC1364-6	176-054-9-001
TR-12,13	Transistor 2SC1096(M) w/"Z" type fin	172-024-9-004
TR-18	Transistor 2SC1678	172-028-9-001
TR-19	Transistor 2SC1760-3	172-028-9-002
TR-20,21	Transistor 2SC735(O).....	176-042-9-006
D-1	Diode CD37A	151-040-9-001
D-2 7	Diode WG-713	151-049-9-001
D-4,5,6 11	Diode IN60	150-001-9-005
D-8	Varistor MV-1	151-049-9-002
D-9,10	Diode SR1K-1	151-040-9-003
D-13	Zenor Diode CZ-092	152-051-9-001
D-14	L E D TLR-104	158-008-9-001
TH	Thermistor DF-002(001)	013-006-9-001

COILS & TRANSFORMERS

T-1	Coil LA-029	066-020-9-001
T-2	Coil LA-041	066-020-9-002
T-3	Coil LA-043	066-020-9-003
T-4	Coil LA-073	060-019-9-001
T-5	Coil LA-106	060-019-9-002
T-6	Coil LA-107	060-019-9-003
T-7	Coil LA-046	066-020-9-004
T-8,9	Coil LA-047	066-020-9-005
T-10	Coil LA-042	066-020-9-006
T-11	Transformer TF-011 or TF-069	061-026-9-001
T-12	Transformer TF-080 or TF-082	061-026-9-002
T-13,14	Coil LA-009	066-020-9-007
T-15	Coil LA-008	066-020-9-008
L-1	Coil LD-018 or LD-032	041-069-9-001
L-2	Micro Inductor 7BA-144LY-2R2K	041-069-9-002
L-3	Coil LC-018 or LC-072	044-033-9-001
L-4	Coil LE-006 or LE-031	041-069-9-003
L-5 9	Coil LC-020 or LC-074	044-033-9-002
L-6	Coil LD-012 or LD-033	041-069-9-004
L-8	Coil LC-017 or LC-071	044-033-9-003
L-10	Transformer TF-017 or TF-083	042-014-9-001
L-11	Coil LD-027 or LD-031	041-069-9-005
CF	Ceramic Filter FL-009 or FL-019	140-011-9-001

**CIRCUIT
SYMBOL**

DESCRIPTION

PARTS NO

CAPACITORS

C-18	Capacitor Ceramic 0.5pF 50V CH.....	020-143-9-005
C-12,39,40	Capacitor Ceramic 2pF 50V SL.....	020-143-9-003
C-5,70	Capacitor Ceramic 3pF 50V SL.....	020-143-9-002
C-90	Capacitor Ceramic 4pF 50V SL.....	020-143-9-008
C-33,71	Capacitor Ceramic 5pF 50V SL.....	
C-59	Capacitor Ceramic 7pF 50V SL.....	020-143-9-007
C-44	Capacitor Ceramic 10pF 50V K SL.....	
C-41	Capacitor Ceramic 15pF 50V K SL.....	
C-95	Capacitor Ceramic 22pF 50V K SL.....	
C-42	Capacitor Ceramic 25pF 50V K SL.....	
C-1	Capacitor Ceramic 33pF 50V K SL.....	020-143-9-001
C-13,37,65,88,102, 108,121	Capacitor Ceramic 47pF 50V K SL.....	
C-32,36,67,72,85, 87,98,104,118	Capacitor Ceramic 100pF 50V K SL.....	
C-9,68,105	Capacitor Ceramic 150pF 50V K SL.....	
C-43,60,63,91	Capacitor Ceramic 220pF 50V K SL.....	
C-99	Capacitor Ceramic 300pF 50V K SL.....	
C-45,58,62	Capacitor Ceramic 470pF 50V K SL.....	
C-15	Capacitor Ceramic 500pF 50V K N1200.....	
C-27	Capacitor Electrolytic 0.47 μ F 16V P.....	022-122-9-002
C-28,30,47,92	Capacitor Electrolytic 1 μ F 16V P.....	022-127-9-003
C-73	Capacitor Electrolytic 1 μ F 50V P.....	022-127-9-006
C-2,23,25,31,50, 74,80,120	Capacitor Electrolytic 10 μ F 16V P.....	022-127-9-001
C-109	Capacitor Electrolytic 47 μ F 10V P.....	022-127-9-008
C-77	Capacitor Electrolytic 47 μ F 16V P.....	022-127-9-007
C-52,49	Capacitor Electrolytic 100 μ F 10V P.....	022-127-9-004
C-53	Capacitor Electrolytic 100 μ F 16V P.....	022-127-9-005
C-110	Capacitor Electrolytic 470 μ F 16V P.....	022-127-9-009
C-26,51	Capacitor Ceramic 0.0022 μ F 25V Z.....	
C-48,84	Capacitor Ceramic 0.0047 μ F 25V Z.....	020-143-9-006
C-3,4,6,7,10,11,24, 29,34,35,38,46, 54,55,61,64,66,69, 75,78,82,83,94, 107,113,122	Capacitor Ceramic 0.01 μ F 25V Z.....	
C-16,19,22,86,89, 93,96,97,101,103, 106,111,112,100	Capacitor Ceramic 0.039 μ F 25V Z.....	020-143-9-005
C-79	Capacitor Mylar 0.0047 μ F 50V K.....	025-099-9-002
C-8,14,20	Capacitor Mylar 0.01 μ F 50V K.....	
C-56,57	Capacitor Mylar 0.033 μ F 50V K.....	
C-17,21	Capacitor Mylar 0.039 μ F 50V K.....	025-099-9-001
C-76,81	Capacitor Mylar 0.1 μ F 50V K.....	
C-119	Capacitor Mylar 0.02 μ F 50V K.....	025-099-9-003

RESISTORS

R-87	Resistor Solid 68 ohm 1W K.....	013-006-9-004
R-77	Resistor Solid 1K ohm 1/2W K.....	013-006-9-003
R-9	Resistor P Carbon 150 ohm 1/4W J.....	
R-4,44	Resistor P Carbon 22K ohm 1/4W J.....	
R-94	Resistor P Carbon 2.2 ohm 1/4W J.....	
R-82	Resistor P Carbon 68 ohm 1/4W J.....	
R-54	Resistor Metal 0.5 ohm 1/2W K.....	013-006-9-002
R-88	Resistor Metal 12 ohm 2W K.....	013-006-9-005
R-66	Resistor U Carbon 47 ohm 1/4W J.....	
R-14,80,85	Resistor U Carbon 56 ohm 1/4W J.....	
R-33,35,38,42,51, 53,63,67,59	Resistor U Carbon 100 ohm 1/4W J.....	
R-6,15,19,39	Resistor U Carbon 150 ohm 1/4W J.....	
R-55	Resistor U Carbon 180 ohm 1/4W J.....	
R-58,62,73	Resistor U Carbon 220 ohm 1/4W J.....	
R-2,13	Resistor U Carbon 330 ohm 1/4W J.....	
R-18,81,93	Resistor U Carbon 470 ohm 1/4W J.....	
R-79	Resistor U Carbon 560 ohm 1/4W J.....	
R-5,76	Resistor U Carbon 820 ohm 1/4W J.....	
R-3,34,45,47,52, 70,78,86	Resistor U Carbon 1K ohm 1/4W J.....	
R-71	Resistor U Carbon 1.5K ohm 1/4W J.....	
R-30	Resistor U Carbon 1.8K ohm 1/4W J.....	
R-10,11,69	Resistor U Carbon 2.2K ohm 1/4W J.....	
R-8	Resistor U Carbon 2.7K ohm 1/4W J.....	
R-16	Resistor U Carbon 3.3K ohm 1/4W J.....	
R-7,29,46,68,72	Resistor U Carbon 4.7K ohm 1/4W J.....	
R-32,40,43,49,56, 60,74,95	Resistor U Carbon 5.6K ohm 1/4W J.....	
R-21	Resistor U Carbon 6.8K ohm 1/4W J.....	
R-36,64,83	Resistor U Carbon 10K ohm 1/4W J.....	
R-1,12,17,22,41, 28,57,61	Resistor U Carbon 15K ohm 1/4W J.....	
R-20,48,75	Resistor U Carbon 22K ohm 1/4W J.....	
R-31	Resistor U Carbon 33K ohm 1/4W J.....	
R-23,84	Resistor U Carbon 39K ohm 1/4W J.....	
R-37,65	Resistor U Carbon 47K ohm 1/4W J.....	
R-24,25,27	Resistor U Carbon 100K ohm 1/4W J.....	
R-50	Resistor U Carbon 220K ohm 1/4W J.....	
R-26	Resistor U Carbon 470K ohm 1/4W J.....	

VARIABLE RESISTORS

VR-1	Semi-fixed Resistor RV-103 30K ohm.....	008-227-9-001
VR-4	Semi-fixed Resistor RV-103 50K ohm.....	008-227-9-004
VR-2 S-1	Variable Resistor RV-027.....	008-227-9-002
VR-3	Variable Resistor VR-071.....	008-227-9-003
S-2	Rotary Switch SR-078.....	083-182-9-001

CRYSTALS

X-1	Crystal 11 275 MHz QX-014.....	133-010-9-001
X-2	Crystal 11 730 MHz QX-014.....	133-010-9-002
X-3	Crystal 14 950 MHz QX-015.....	133-010-9-003
X-4	Crystal 14 960 MHz QX-015.....	133-010-9-004
X-5	Crystal 14 970 MHz QX-015.....	133-010-9-005
X-6	Crystal 14 990 MHz QX-015.....	133-010-9-006
X-7	Crystal 23 290 MHz QX-016.....	133-010-9-007
X-8	Crystal 23 340 MHz QX-016.....	133-010-9-008
X-9	Crystal 23 390 MHz QX-016.....	133-010-9-009
X-10	Crystal 23 440 MHz QX-016.....	133-010-9-010
X-11	Crystal 23 490 MHz QX-016.....	133-010-9-011
X-12	Crystal 23 540 MHz QX-016.....	133-010-9-012

MISCELLANEOUS

MIKE	Microphone MK-025.....	562-008-9-001
J-1	Ext Speaker Jack JK-010.....	773-061-9-001
J-2	Microphone Connector JK-004.....	770-016-9-001
J-3	Ext Antenna Connector JK-035.....	772-027-9-001
P	Microphone Plug PG-002.....	775-031-9-001
SP	Speaker SP-022.....	580-016-9-001
SK	Crystal Socket SK-010.....	749-089-9-001
TP-1 3 5	Terminal TP-011.....	345-041-9-001
TP-2 4 6	Terminal TP-001.....	345-041-9-002
PL-1	Pilot Lamp 14V 50mA Clear.....	400-038-9-001
FS	Fuse FS-001 1.5 Amp.....	191-002-9-001
Z-1	Wire Wrapping Band YY-001.....	
	Printed Circuit Board PC-055AA.....	
	Metal Chassis.....	257-063-9-001
	Metal Cabinet (upper).....	272-103-9-001
	Metal Cabinet (bottom).....	272-104-9-001
	Heat-sink.....	747-032-9-001
	Heat-sink.....	747-032-9-002
	Mounting Bracket.....	250-049-9-001
	Microphone Hanger.....	741-080-9-001
	Front Panel.....	255-122-9-001
	Channel Disc.....	380-235-9-001
	Channel Knob.....	751-121-9-001
	Volume/Squelch Knob.....	751-121-9-002
	Lamp Holder (rubber).....	381-065-9-001
	Front Plate.....	600-025-9-001
	Microphone Plate.....	600-025-9-002
	FCC Label.....	483-195-9-001
	Serial No. Seal.....	
	Warning Label.....	
	FCC I.D. Card.....	
	Instruction Manual.....	480-162-9-001
	FCC Application Form.....	
	Warranty Card.....	
	Service Station Card.....	
	Schematic Diagram/Parts List.....	499-075-9-001
	Styrofoam Box (front).....	563-087-9-001
	Styrofoam Box (back).....	503-087-9-002
	Display Box.....	500-254-9-001