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**Cobra 139 Owner's Manual Parts List**

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# PARTS LIST FOR COBRA 139

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
<b>TRANSISTORS, DIODES</b>		
TR-1,2,4,5,6,7,8,10, 11,12,13,14,17	Transistor 2SC839F/2SC372 (O) .....	176-042-9-002
TR-9,15,16,18,19, 26,28	Transistor 2SC945R/2SC372 (Y) .....	176-042-9-003
TR-23,24,29	Transistor 2SC1096M.....	172-024-9-004
TR-21	Transistor 2SC1306 Pwr. NPN .....	172-024-9-002
TR-20	Transistor 2SC1307 Pwr. NPN .....	172-024-9-003
TR-3	Transistor 2SA733H S.Sig. NPN.....	177-012-9-001
TR-27	Transistor 2SC793Y.....	172-024-9-005
TR-25	Transistor 2SC735Y S.Sig. NPN.....	176-047-9-001
TR-22	Transistor 2SC1047D or 2SC710C .....	176-047-9-002
FET1,2	Transistor 2SK30GR or 2SK19GR FET .....	182-014-9-002
IC-2	Integrated Circuit TA7045M .....	307-047-9-002
IC-1	Integrated Circuit MC1496G .....	307-047-9-001
D-1,17,18,19,20,21, 27,28,29,30	Diode IN60P, Germanium .....	150-006-9-001
D-5,6,8,9,11,12,13, 14,32,36,40,41,42, 44	Diode IN60 .....	150-001-9-005
D-50,56,59,60,61,62	Diode SR1K-2 .....	151-045-9-001
D-2,3,4,10,15,22,33, 34,35,37,38,39, 46,52,53	Diode IS2473 (vertical) .....	151-035-9-003
D-47	Diode IS2473 (Horizontal).....	151-035-9-001
D-7	Diode IS2472 (Vertical) .....	151-045-9-002
D-51	Diode CD37 .....	151-040-9-002
D-26,31	Diode IS1007 .....	151-045-9-003
D-16	Diode IS1693 .....	151-046-9-001
D-48,49,54	Zener Diode CZ092.....	152-051-9-001
D-55	Zener Diode WZ-081 .....	152-054-9-001
D-24,57	Zener Diode WZ061 .....	152-052-9-002
D-58	Zener Diode BZ162 .....	152-057-9-001
D-23	Vari-Cap IS2688 .....	154-001-9-001
D-25,43	Variator KB262 .....	151-032-9-004

## COILS, TRANSFORMERS

T-1	Coil TKXC-24112N, RF XFMR.....	066-019-9-001
T2,3	Coil TKXC-24124N, RF XFMR .....	066-019-9-002
T-4	Coil TKAC-22526N, IF XFMR .....	060-018-9-001
T-5	Coil TKAC-24133N, IF XFMR .....	060-018-9-002
T-6	Coil TKAC-24137N, IF XFMR .....	060-018-9-003
T-7	Coil TKXC-24136D, IF XFMR .....	060-018-9-004
T-8	Coil TKXC-24126YDR, IF XFMR.....	060-018-9-005
T-9	Coil TKXC-24118D, IF XFMR .....	060-018-9-006
T-10	Coil TKXC-24125YDR, IF .....	060-018-9-007
T-11	Coil TKXC-24119Y, IF .....	060-018-9-008
T-12	Coil TKXC-24120Z, Variable Shield .....	046-013-9-001
T-13	Coil TKXC-24113X, Variable Shield .....	046-013-9-002
T-14	Coil TKAC-24135ZPZ, IF, XFMR.....	060-018-9-009
T-15	Coil TXN-6711BM, Osc. XFMR.....	064-013-9-001
T-16	Coil TKXC-24132N, Osc. XFMR .....	064-013-9-002

**CIRCUIT  
SYMBOL**

**DESCRIPTION**

**DYNASCAN  
PART NO.**

**COILS, TRANSFORMERS (Continued)**

T-17	Coil TKXC-24121Z, IF. XFMR .....	060-018-9-010
T-18	Coil TKXC-24134X, IF. XFMR .....	060-018-9-011
T-19	Coil 113CC-2804AC, IF. XFMR.....	060-018-9-012
T-20	Coil TKXC-23444N, IF. XFMR .....	060-018-g-014
T-21	Coil TKXC-24122X, Variable Shield .....	046-013-9-004
T-22	Coil TKXC-24117BBH, Variable Shield.....	046-013-9-003
T-23	Coil TKAC-23360ZVI, I.F. XFMR .....	060-018-9-013
L-1	Micro Inductor LF-4 10 H .....	041-062-9-001
L-2	Micro Inductor LF-4 8.2 H .....	041-062-9-003
L-3	Micro Inductor LF-1 100 H .....	041-062-9-002
L-4	Micro Inductor LF-4 6.8 H .....	041-061-9-002
L-5,8,10	Coil TC-71024, TV1 Trap Coil .....	041-056-9-003
L-6,7	Coil NS-1367A, Variable .....	044-032-9-001
L-9,11,12	Coil NS-1515B RF Choke .....	041-062-9-005
L-13	Coil NS-1516 RF Choke .....	041-062-9-004
I.P.T.	Input Transformer N24A-7258A .....	068-007-9-001
O.P.T.	Output Transformer N35-7274B .....	061-023-9-001

**MISCELLANEOUS**

Printed Circuit Board 144-100-00 .....	302-153-9-001
Printed Circuit Board 123E-200-00.....	302-154-9-001

**CAPACITORS**

C-37,51,100,125,127, 128,130,182,184	Electrolytic Capacitor 50V 1 F .....	022-122-9-001
C-116	Electrolytic 25V 2.2 F .....	022-122-9-002
C-134,163,167,172	Electrolytic 25V 4.7 F .....	022-122-9-003
C-190	Electrolytic Condensior 25V 1000 F .....	022-122-9-012
C-120,135,154,189	Electrolytic 16V 10 F .....	022-120-9-001
C-174	Electrolytic Condensior 16V 470 F .....	022-099-9-006
C-178,193,169	Electrolytic 16V 220 F .....	022-122-9-008
C-118	Electrolytic 10V 22 F .....	022-122-9-004
C-49,122,170	Electrolytic 10V 33 F.....	022-122-9-005
C-132	Electrolytic 10V 47 F.....	022-120-9-002
C-168	Electrolytic 10V 220 F .....	022-122-9-009
C-187	Electrolytic 10V 330 F .....	022-122-9-011
C-48,123,129	Electrolytic 6.4V 33 F .....	022-122-9-006
C-179,183	Electrolytic 6.3V 220 F.....	022-122-9-010
C-173	Electrolytic 25V 220 F .....	022-122-9-007
C-194	Electrolytic Condensior 25V 2200 F .....	022-122-9-015
C-44,101,181	Aluminum Condensior 25V 0.1 F (Vertical).....	022-122-9-013
C-63,141,151,162	Ceramic Condensior 1pF 50V CH .....	020-109-9-001
C-6,29,64,93,94	Ceramic Condensior 2pF 50V CH .....	020-109-9-007
C-20,41,98,103,109	Ceramic Condensior 5pF 50V CH .....	020-109-9-010
C-85	Ceramic Condensior 12pF 50V CH .....	020-126-9-002
C-74	Ceramic Condensior 15pF 50V, CH .....	020-126-9-010
C-15,27,40,47,108, 110	Ceramic Condensior 20pF 50V CH .....	020-126-9-003
C-53,115,158	Ceramic Condensior 25pF 50V CH .....	020-109-9-015
C-137	Ceramic Condensior 30pF 50V CH .....	020-126-9-005
C-8	Ceramic Condensior 40pF 50V CH .....	020-125-9-002
C-147	Ceramic Condensior 50pF 50V CH .....	020-126-9-005

**CIRCUIT  
SYMBOL**

**DESCRIPTION**

**DYNASCAN  
PART NO.**

**CAPACITORS (Continued)**

C-54.59.60	Ceramic Condenser 60pF 50V CH .....	020-126-9-006
C-55	Ceramic Condenser 100pF 50V K. CH .....	020-126-9-007
C-86	Ceramic Condenser 120pF 50V CH .....	020-109-9-004
C-70.112	Ceramic Condenser 150pF 50V K.CH .....	020-126-9-013
C-71.82	Ceramic Condenser 200pF 50V CH .....	020-126-9-009
C-87.88	Ceramic Condenser 100pF 50V K.RH .....	020-109-9-008
C-75.76.77.78.79.80	Ceramic Condenser 40pF 50V K. WJ .....	020-126-9-014
C-2.7.22.26	Ceramic Condenser 0.001 F 50V YA .....	020-125-9-006
C-24	Ceramic Condenser 0.005 F 50V M. YA .....	020-126-9-015
C-11.12.13.25.36.50. 66.69.81.99.102. 105.114.121.126. 131.185	Ceramic Condenser 0.01 F 50V YA .....	020-109-9-002
C-3.4.9.10.14.16.17. 18.19.21.30.33.34. 43.45.56.57.61.67. 90.91.119.160.161. 166	Ceramic Condenser 0.02 F 50V YA .....	020-126-9-008
C-195.196.197	Ceramic Condenser 0.01 F 50VZ SL .....	020-109-9-002
C-5.23.28.31.32.35. 38.39.46.52.58.62. 65.68.72.73.84.92. 95.96.97.104.106. 107.113.117.124.133. 136.142.144.145.148. 152.153.155.156.157. 159.164.165.171.175. 180.186.188.191.198. 199.200	Ceramic Condenser 0.04 F 50V SL .....	020-109-9-005
C-149.176.177	Ceramic Condenser 0.1 F 50V M .....	020-126-9-012
C-192	Tubuler Condenser 1000pF 50V.P .....	025-089-9-001
C-146	Silvered Mica Condenser 200pF 50V .....	023-048-9-001
C-138.139	Silvered Mica Condenser 250pF 50V .....	023-048-9-002
C-83	Silvered Mica Condenser 300pF 50V .....	023-048-9-003
C-140.150	Silvered Mica Condenser 400pF 50V .....	023-048-9-004
C-42	Silver Mica Condenser 500pF 50V K .....	023-048-9-007
C-89	Silvered Mica Condenser 600pF 50V .....	023-048-9-005
C-143	Silvered Mica Condenser 650pF 50V .....	023-048-9-006
C-111	Mylar Condenser 0.001 F 50V .....	025-074-9-003

**RESISTORS, CONTROLS**

VR-14	Semi-Fixed Resistor EVLTDA 300K .....	008-209-9-006
VR-3.6	Semi-Fixed Volume KUSF10-68BM5K .....	008-209-9-003
VR-12	Semi-Fixed Volume KUSF 10-6BM 10K .....	008-209-9-002
VR-7	Semi-Fixed Volume EXL-10A 20K .....	008-187-9-006
VR-15	Semi-Fixed Volume EXL-10A 50K .....	008-209-9-004
VR-1.5.8.13.18	Semi-Fixed Volume EXL-10A 100K .....	008-209-9-001
VR-10	Semi-Fixed Resistor EVL SOA 50K ohm .....	008-209-9-004
VR-17	Semi-Fixed Resistor KVVSF105BM 200 ohm .....	008-209-9-007

**MISCELLANEOUS**

RELAY	Relay AE-3344 .....	441-008-9-001
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**CIRCUIT  
SYMBOL****DESCRIPTION  
CAPACITORS****DYNASCAN  
PART NO.**

CT1-2.3.4.5.6	Trimmer ECV-1ZW 50P32 .....	020-030-9-002
CT-7	Trimmer Condenser ECV-1ZW20P32 .....	028-030-9-002

**RESISTORS, CONTROLS**

VR-16	Variable Resistor Power SW/VR .....	008-210-9-005
VR-11	EVH-BOAK20A14 .....	008-210-9-003
VR-4	EVH-COAK20B24 .....	008-210-9-004
VR-2.9	EVH-COAK20B15 Variable Resistor RF Gain .....	008-210-9-002

**MISCELLANEOUS**

M-2	Meter 49F137 MOD.....	320-054-9-001
M-1	Meter S/RF .....	320-055-9-001
	AC Cord SPT-1 UL 6-foot Brown .....	420-001-9-009
	Strain Relief Bushing BU3270 .....	380-001-9-002
	Rubber Bushing .....	381-057-9-001
	Fuse Holder .....	742-025-9-001
R-148	Cemented Resistor 5 ohm 5W R .....	013-002-9-001

**RESISTORS, CONTROLS**

R-149	Metal Coated Resistor 1 ohm K 1W R .....	013-002-9-002
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**MISCELLANEOUS**

SKR	Speaker, 107D10T (PM).....	580-015-9-001
	3F Consent --- .....	733-054-9-001
	Microphone .....	562-006-9-001
MIKE	Metal Consent w/Plug SM-144 .....	173-045-9-001
	Fuse 2 Amp .....	191-251-3-002
S5-1/S5-3	Rotary Switch RL-2.4 24. Channel.....	083-159-9-001
S4-1/S4-7	Rotary Switch, Mode .....	083-161-9-001
S-1.2	Slide Switch SL-2-2-2-14 Sw. PA/CB. ANL/NB .....	084-036-9-001
S3-1/S3-3	Slide Switch SL-3-3-2-03 .....	084-036-9-002
PL-1	Pilot Lamp 14V 80mA w/White lead .....	400-035-9-001
PL-2	Pilot Lamp w/Yellow Lead .....	400-035-9-002
PL-3	Pilot Lamp w/Blue Lead.....	400-035-9-003
	AC Power Supply Transformer UT-123E .....	065-102-9-001
ANT	"M" type Connector .....	772-025-9-001
	Jack SJ-296 w/Fibre Washer 3 5 .....	773-045-9-002

**CRYSTALS**

X-1	Crystal HC-25/U 11.0035MHz.....	133-007-9-001
X-2	Crystal HC-25/U 11.0135MHz .....	133-007-9-002
X-3	Crystal HC-25/U 11.0235MHz .....	133-007-9-003
X-4	Crystal HC-25/U 11.0435MHz .....	133-007-9-004
X-5	Crystal HC-25/U 8.1590MHz .....	133-007-9-005
X-6	Crystal HC-25/U 8.2090MHz .....	133-007-9-006
X-7	Crystal HC-25/U 8.2590MHz .....	133-007-9-007
X-8	Crystal HC-25/U 8.3090MHz .....	133-007-9-008
X-9	Crystal HC-25/U 8.3590MHz .....	133-007-9-009

499-063-9-001

**CIRCUIT  
SYMBOL**

**DESCRIPTION**

**DYNASCAN  
PART NO.**

**CRYSTALS (Continued)**

X-10	Crystal HC-25/U 8 4090MHz .....	133-007-9-010
X-11	Crystal HC-25/U 7 8025MHz .....	133-007-9-011
	Crystal Filter UF-074A 7.8Meg .....	143-003-9-001

**MISCELLANEOUS**

	Crystal Socket SD0105 .....	749-079-9-001
	DC Cord Assembly.....	523-082-9-001
M1-02402	Chassis SPC-1 .....	257-059-9-001
M2-02403	Back Panel.....	262-012-9-001
M2-2404	Top Cabinet .....	253-036-9-001
M2-2405	Bottom Cabinet .....	252-015-9-001
M4-00617	Condenser Setting Metal .....	251-130-9-001
M4-00162	Front Panel Setting metal (Left).....	251-131-9-001
M4-00163	Front Panel Setting metal (Right) .....	251-132-9-001
M1-02401	Front Panel .....	380-213-9-001
M4-01727	Knob Channel .....	751-095-9-001
M4-01728	Knob VR SQ ETC .....	751-095-9-002
M4-01957	Channel Number Disc .....	380-176-9-002
M3-02409	Control Plate.....	260-048-9-001
M3-02410	Brand Name Plate .....	260-049-9-001
M44-02296	Brand Name Plate for Mike .....	260-047-9-001
M4-02413	Speaker Net .....	763-025-9-001
	Rubber Foot 25 x17mm (H) .....	381-058-9-001
M2-02415/16	Styrofoam Box (Right & Left) .....	503-080-9-001
M3-02417	Display Box .....	500-238-9-001
	Instruction Manual .....	480-149-9-001
	FCC Application Form.....	492-041-9-001
	Warranty Card.....	491-138-9-001
	Service Dept Address List .....	492-036-0-000
	Schematic/Parts List .....	499-063-9-001