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Cobra 138 Parts List

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PARTS LIST FOR COBRA 138

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
TRANSISTORS, DIODES		
TR-1,2,4,6,7,8, 10,11,12,13,14, 17	Transistor 2SC839F/2SC372 (O)	PL- 176-042-9-002
TR-9,15,16,18,19, 26	Transistor 2SC945R/2SC372 (Y)	PL- 176-042-9-003
TR-23,24	Transistor 2SC1096L Pwr. NPN	PL- 172-024-9-001
TR-21	Transistor 2SC1306 Pwr. NPN	PL- 172-024-9-002
TR-20	Transistor 2SC1307 Pwr. NPN	PL- 172-024-9-003
TR-3	Transistor 2SA733H S. Sig. NPN	PL- 177-012-9-001
TR-25	Transistor 2SC735Y S. Sig. NPN	PL- 176-047-9-001
TR-22	Transistor 2SC1047D or 2SC710C S. Sig. NPN ...	PL- 176-047-9-002
FET-1	Transistor 2SK30GR FET	PL- 182-014-9-002
FET-2	Transistor 2SK30GR or 2SK19GR FET	PL- 182-014-9-002
IC-1	Integrated Circuit MC1496G	PL- 307-047-9-001
IC-2	Integrated Circuit TA7045M	PL- 307-047-9-002
D-1,17,18,19,20, 21,27,28,29,30	Diode IN60P, Germanium	PL- 150-006-9-001
D-50,56	Diode SR1K-2	PL- 151-045-9-001
D-5,6,8,9,11,12, 13,14,32,36,40, 41,42,44,45	Diode IN-60	PL- 150-001-9-005
D-25,43	Diode KB-262	PL- 151-032-9-004
D-7,9	Diode IS2472 (vertical)	PL- 151-045-9-002
D-2,3,4,10,15, 22,33,34,35,37, 38,39,46,47,52, 53	Diode IS2473 (horizontal)	PL- 151-035-9-001
D-26,31	Diode IS1007	PL- 151-045-9-003
D-51	Diode CD-37	PL- 150-040-9-002
D-48,49,54	Zener Diode CZ-092	PL- 152-051-9-001
D-24	Zener Diode WZ-061	PL- 152-052-9-002
D-55	Zener Diode WZ-081	PL- 152-054-9-001
D-23	Vari-cap IS352M	PL- 154-001-9-001
D-16	Diode IS1653	PL- 151-045-9-004

COILS, TRANSFORMERS

T-1	Coil TKXC-24112N, RF XFMR	PL- 066-019-9-001
T-2,3	Coil TKXC-24124N, RF XFMR	PL- 066-019-9-002
T-4	Coil TKAC-22526N, I.F. XFMR	PL- 060-018-9-001
T-5	Coil TKAC-24133N, I.F. XFMR	PL- 060-018-9-002
T-6	Coil TKAC-24137N, I.F. XFMR	PL- 060-018-9-003
T-7	Coil TKXC-24136D, I.F. XFMR	PL- 060-018-9-004
T-8	Coil TKXC-24126YDR, I.F. XFMR	PL- 060-018-9-005
T-9	Coil TKXC-24118D, I.F. XFMR	PL- 060-018-9-006
T-10	Coil TKXC-24125YDR, I.F.	PL- 060-018-9-007
T-11	Coil TKXC-24119Y, I.F.	PL- 060-018-9-008
T-12	Coil TKXC-241020Z, Variable Shielded	PL- 046-013-9-001
T-13	Coil TKXC-24113X, Variable Shielded	PL- 046-013-9-002
T-14	Coil TKAC-24135ZPH, I.F. XFMR	PL- 060-018-9-009
T-15	Coil TKXN-6711BM, Osc. XFMR	PL- 064-013-9-001

**CIRCUIT
SYMBOL**

DESCRIPTION

**DYNASCAN
PART NO.**

COILS, TRANSFORMERS (Continued)

T-16	Coil TKXC-24132N, Osc. XFMR	PL- 064-013-9-002
T-17	Coil TKXC-24121Z, I.F. XFMR	PL- 060-018-9-010
T-18	Coil TKXC-24134X, I.F. XFMR	PL- 060-018-9-011
T-19	Coil 113CC-2804AC, I.F. XFMR	PL- 060-018-9-012
T-20	Coil TKXC-23444N, I.F. XFMR	PL- 060-018-9-014
T-21	Coil TKXC-24122X Variable, Shield	PL- 046-013-9-004
T-22	Coil TKXC-24117BBH Variable, Shield	PL- 046-013-9-003
T-23	Coil TKAC-23360ZVI, I.F. XFMR	PL- 060-018-9-013
L-1	Micro Inductor LF-4 10 μ H	PL- 041-062-9-001
L-2	Micro Inductor LF-4 8.2 μ H	PL- 041-062-9-003
L-3	Micro Inductor LF-1 100 μ H	PL- 041-062-9-002
L-4	Micro Inductor LF-6.8 μ H	PL- 041-061-9-002
L-13	Coil NS1516 RF Choke	PL- 041-062-9-004
L-9,11,12	Coil NS1515B RF Choke	PL- 041-062-9-005
L-5,8,10	Coil TC-71024 Variable	PL- 041-056-9-003
L-6,7	Coil NS-1367A Variable	PL- 044-032-9-001
CH	Choke Transformer N28-7111H	PL- 042-012-9-001
IPT	Input Transformer N24A-7258A	PL- 068-007-9-001
OPT	Output Transformer N357274B	PL- 061-023-9-001

CRYSTALS

X-1	Crystal 11.0035MHz HC-25/U	PL- 133-007-9-001
X-2	Crystal 11.0135MHz HC-25/U	PL- 133-007-9-002
X-3	Crystal 11.0235MHz HC-25/U	PL- 133-007-9-003
X-4	Crystal 11.0435MHz HC-25/U	PL- 133-007-9-004
X-5	Crystal 8.1590MHz HC-25/U	PL- 133-007-9-005
X-6	Crystal 8.2090MHz HC-25/U	PL- 133-007-9-006
X-7	Crystal 8.2590MHz HC-25/U	PL- 133-007-9-007
X-8	Crystal 8.3090MHz HC-25/U	PL- 133-007-9-008
X-9	Crystal 8.3590MHz HC-25/U	PL- 133-007-9-009
X-10	Crystal 8.4090MHz HC-25/U	PL- 133-007-9-010
X-11	Crystal 7.8025MHz HC-25/U	PL- 133-007-9-011

RESISTORS, CONTROLS

R-13,14,17	Carbon Resistor	$\frac{1}{4}$ W ELR
R-39,42	Carbon Resistor	$\frac{1}{4}$ W ELR
R-36	Carbon Resistor	K $\frac{1}{4}$ W ELR
R-90	Carbon Resistor	K $\frac{1}{4}$ W ELR
R-34,35	Carbon Resistor	K $\frac{1}{4}$ W ELR
R-38	Carbon Resistor	K $\frac{1}{4}$ W ELR
R-18,27,41	Carbon Resistor	K $\frac{1}{4}$ W ELR
R-47	Carbon Resistor	K $\frac{1}{4}$ W ELR
R-50	Carbon Resistor	K $\frac{1}{4}$ W ELR
R-67,68,73,74,147 147	Carbon Resistor	K $\frac{1}{4}$ W ELR
R-55,71,150,163	Carbon Resistor	K $\frac{1}{4}$ W ELR
R-51,69,115,120, 124	Carbon Resistor	K $\frac{1}{4}$ W ELR
R-24,81,97,165	Carbon Resistor	K $\frac{1}{4}$ W ELR
R-33,56,85,19,20 32,40,46,60,61,	Carbon Resistor	.....

CIRCUIT
SYMBOL

DESCRIPTION

DYNASCAN
PART NO.

RESISTORS, CONTROLS (Continued)

62,63,64,65,66, 72,75,79,82,88, 89,93,101,103, 106,110,128,143, 148,160				
R-141,147	Carbon Resistor	6.8K	¼W ELR	.....
R-15,16,23,54,96, 116,121,125,132	Carbon Resistor	5.6K	¼W ELR	.....
R-1,6,117,131, 151	Carbon Resistor	4.7K	¼W ELR	.....
R-12,28,31,37,45, 49,52,57,84,95, 100,102,123,126, 129,146	Carbon Resistor	3.3K	¼W ELR	.....
R-49	Carbon Resistor	2.2K	¼W ELR	.....
R-9,11,70,109, 112	Carbon Resistor	1.5K	¼W ELR	.....
R-107,156	Carbon Resistor	1.2K	¼W ELR	.....
R-3,7,77,80,92, 98,118,127,134	Carbon Resistor	1K	¼W ELR	.....
R-108	Carbon Resistor	820 ohm	¼W ELR	.....
R-25,83	Carbon Resistor	560 ohm	¼W ELR	.....
R-159	Carbon Resistor	470 ohm	¼W ELR	.....
R-10,26,43,44,48, 53,59,78,99,113, 122,130,136,155, 162	Carbon Resistor	220 ohm	¼W ELR	.....
R-21,29	Carbon Resistor	150 ohm	¼W ELR	.....
R-4,5,8,30,58, 86,87,105,133, 145,149,153,166	Carbon Resistor	100 ohm	¼W ELR	.....
R-135	Carbon Resistor	68 ohm	¼W ELR	.....
R-104	Carbon Resistor	56 ohm	¼W ELR	.....
R-158	Carbon Resistor	47 ohm	¼W ELR	.....
R-144,152	Carbon Resistor	27 ohm	¼W ELR	.....
R-119	Carbon Resistor	22 ohm	¼W ELR	.....
R-154	Carbon Resistor	2.2 ohm	¼W ELR	.....
R-157	Carbon Resistor	22K ohm	¼W ELR	.....
R-161	Carbon Resistor	33K ohm	¼W R	.....
R-76	Carbon Resistor	22K ohm	¼W R	.....
R-22,142	Carbon Resistor	10K ohm	¼W R	.....
R-91	Carbon Resistor	3.3K ohm	¼W R	.....
R-111	Carbon Resistor	220 ohm	¼W R	.....
R-139,140,164	Carbon Resistor	47 ohm	½W R	.....
R-138	Cement Resistor	5.6 ohm	5W R	..... PL- 004-142-9-001
R-	Metal Covered Resistor	1 ohm	1W R	..... PL- 011-069-9-001
VR-1,14	Volume	EVL-TDA 300K	semi-fixed	..... PL- 008-209-9-006
VR-12	Volume	KVSF10-6BM 10K	semi-fixed	..... PL- 008-209-9-002
VR-6,3	Volume	KVSF10-6BM 5K	semi-fixed	..... PL- 008-209-9-003
VR-7	Volume	EXL-10A 20K	semi-fixed	..... PL- 008-187-9-006
VR-15	Volume	EXL-10A 50K	semi-fixed	..... PL- 008-209-9-004
VR-1,5,8,13	Volume	EXL-10A 100K	semi-fixed	..... PL- 008-209-9-001
VR-10	Volume	EVL-SOA 50K	semi-fixed	..... PL- 008-209-9-004

**CIRCUIT
SYMBOL**

DESCRIPTION

**DYNASCAN
PART NO.**

RESISTORS, CONTROLS (Continued)

VR-16,9	Volume EVK-AFTF20811 10KA/100KB VR/SQ	PL-008-210-9-001
VR-2	Volume EVH-COAK20B15 100KB RF Gain ...	PL-008-210-9-002
VR-11	Volume EVH-BOAK20A14 10KA MIC Gain ...	PL-008-210-9-003
VR-4	Volume EVH-COAK20B24 20KB Voice Lock	PL-008-210-9-004

CAPACITORS

C-37,51,100,125, 127,128,130,182, 184	Electrolytic Capacitor	1 μ F 50V	PL-022-122-9-001
C-116	Electrolytic	2.2 μ F 25V	PL-022-122-9-002
C-134,163,167,172	Electrolytic	4.7 μ F 25V	PL-022-122-9-003
C-190	Electrolytic	1000 μ F 25	PL-022-122-9-012
C-120,135,154,189	Electrolytic	10 μ F 16V	PL-022-120-9-001
C-118	Electrolytic	22 μ F 10V	PL-022-122-9-004
C-174	Electrolytic	740 μ F 16V	PL-022-099-9-006
C-49,122,170	Electrolytic	33 μ F 10V	PL-022-122-9-005
C-48,123,129	Electrolytic	33 μ F 6.4V	PL-022-122-9-006
C-132	Electrolytic	47 μ F 10V	PL-022-120-9-002
C-173	Electrolytic	220 μ F 25V	PL-022-122-9-007
C-178,169	Electrolytic	220 μ F 16V	PL-022-122-9-008
C-168	Electrolytic	220 μ F 10V	PL-022-122-9-009
C-183	Electrolytic	220 μ F 6.3V	PL-022-122-9-010
C-179	Electrolytic	470 μ F 6.3V	PL-022-122-9-014
C-187	Electrolytic	330 μ F 10V	PL-022-122-9-011
C-44,101,181	Aluminum Condenser	0.1 μ F 25V (vertical)	PL-022-122-9-013
C-63,141,151,162	Ceramic Condenser	1pF 50V CH	PL-020-109-9-001
C-6,29,64,93,94	Ceramic Condenser	2pF 50V CH	PL-020-109-9-007
C-20,41,98,103, 109	Ceramic Condenser	5pF 50V CH	PL-020-109-9-010
C-71,82	Ceramic Condenser	200pF 50V CH	PL-020-126-9-009
C-39,74	Ceramic Condenser	15pF 50V CH	PL-020-126-9-010
C-85	Ceramic Condenser	12pF 50V CH	PL-020-126-9-002
C-27,40,47,15,108, 110	Ceramic Condenser	20pF 50V CH	PL-020-126-9-003
C-53,115,158	Ceramic Condenser	25pF 50V CH	PL-020-109-9-015
C-137	Ceramic Condenser	30pF 50V CH	PL-020-126-9-005
C-8	Ceramic Condenser	40pF 50V CH	PL-020-125-9-002
C-147	Ceramic Condenser	50pF 50V CH	PL-020-126-9-005
C-54,59,60	Ceramic Condenser	60pF 50V CH	PL-020-126-9-006
C-55	Ceramic Condenser	100pF 50V CH	PL-020-126-9-007
C-70,112	Ceramic Condenser	150pF 50V CH	PL-020-109-9-004
C-86	Ceramic Condenser	120pF 50V CH	PL-020-126-9-011
C-87,88	Ceramic Condenser	100pF 50V KRH	PL-020-109-9-008
C-75,76,77,78,79, 80	Ceramic Condenser	40pF 50V KWI	PL-020-125-9-002
C-2,7,22,26	Ceramic Condenser	0.001 μ F 50V YA	PL-020-125-9-006
C-24	Ceramic Condenser	0.005 μ F 50V YA	
C-1,11,12,13,25, 36,50,66,69,81, 99,102,105,114, 121,136,131,185	Ceramic Condenser	0.01 μ F 50V YA	PL-020-109-9-002
C-3,4,9,10,14,16.	Ceramic Condenser	0.02 μ F 50V YA	PL-020-126-9-008

**CIRCUIT
SYMBOL**

**DESCRIPTION
CAPACITORS (Continued)**

**DYNASCAN
PART NO.**

17,18,19,21,30, 33,34,43,45,56, 57,61,67,90,91, 119,160,161,166			
C-5,23,28,31,32, 34,35,38,39,46, 52,58,62,65,72, 73,84,92,68,95, 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	Ceramic Condenser	0.04 μ F 50V SL	PL-020-109-9-005
C-149,176,177	Ceramic Condenser	0.01 μ F 50V M	PL-020-126-9-012
C-146	Silvered Mica Condenser	200pF 50V	PL-023-048-9-001
C-138,139	Silvered Mica	250pF 50V	PL-023-048-9-002
C-83	Silvered Mica	300pF 50V	PL-023-048-9-003
C-140,150	Silvered Mica	400pF 50V	PL-023-048-9-004
C-42	Silvered Mica	500pF 50V	PL-023-048-9-007
C-89	Silvered Mica	600pF 50V	PL-023-048-9-005
C-143	Silvered Mica	650pF 50V	PL-023-048-9-006
C-111	Mylar Condenser	0.001 μ F 50V	PL-025-074-9-003
C-192	Tubular Condenser	1000pF 50V P	PL-025-089-9-001
CT-1,2,3,4,5,6	Trimmer Condenser	ECV-1ZW50P32	PL-020-030-9-002
CT-7	Trimmer Condenser	ECV-1ZW20P32	PL-028-030-9-002

MISCELLANEOUS

CF	Crystal Filter	UF-074A 7.8 MHz	PL-143-003-9-001
RL	Relay	AE3344	PL-441-008-9-001
ANT	M-R type Connector		PL-772-026-9-001
MIKE	Microphone Jack	LJ-101-1	PL-773-053-9-001
EXT. SPK	External Speaker Jack	SJ-296	PL-772-025-9-001
	Crystal Socket	SD-0105	# -749-709-9-001
	Fuse Holder	RF104	PL-742-018-9-001
	Speaker	92-62D	PL-580-014-9-001
	DC Power Plug 3P		PL-775-026-9-001
	DC Power Jack 3F		PL-773-054-9-001
	Dynamic Microphone	DF-107B (SK-1) complete	PL-562-007-9-001
	Microphone Hanger		PL-741-074-9-001
	Microphone Plug 3-P 6 ϕ Phone type		PL-775-027-9-001
	Fuse 2-amp.		PL-191-251-3-002

NOTE: 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.

CIRCUIT
SYMBOL

DESCRIPTION

DYNASCAN
PART NO.

MISCELLANEOUS (Continued)

TP-1,2,3,4,5,6,7

DC Power Cord complete PL- 523-082-9-001
Printed Circuit Board 144-100 # - 302-152-9-001
Pilot Lamp 14V 50mA meter PL- 400-033-9-001
Pilot Lamp 14V 50mA Channel PL- 400-033-9-002
Pilot Lamp 14V 50mA TX PL- 400-033-9-003
Meter type A-39 S/Power S31EA563 PL- 320-051-9-001
Test Terminal A4 100-051
Lug Terminal 3P-1-0-1
Rotary Switch RL2,4,24 Channel PL- 083-159-9-001
Slide Switch SL-2-2-2-12 SW PA/CB, ANL/NB PL- 084-036-9-001
Metal Chassis Complete M2-02314
Chassis Front M3-02315 # - 258-010-9-001
P.C. Board Holder M4-02072
Shield Board M4-02317
Metal Cabinet (top) M3-02204 PL- 272-098-9-001
Metal Cabinet (bottom) M3-02205 PL- 252-013-9-001
Mounting Bracket M3-02067 PL- 250-046-9-001
Buffer Board M3-02068
Heat-Sink M4-02069 PL- 747-027-9-001
Heat-Sink M4-02070 PL- 747-027-9-002
Spring Nut M4-02074
Bracket for Condensor M4-00617 # - 251-128-9-001
Shield Board M4-02163
Front Panel (ABS) M2-02311 PL- 255-116-9-001
Volume Knob M4-02312 PL- 751-107-9-001
Squelch Knob M4-02313 PL- 751-108-9-001
Channel Knob M4-01727 PL- 751-095-9-001
Knob M4-01728 PL- 751-095-9-002
Channel Dial M4-01957 PL- 380-176-9-002
Lamp Grill (red) M4-01308 PL- 750-007-9-002
Front Plate M3-02319 (Decorative) PL- 260-046-9-001
FCC Plate M4-02320 # - 483-157-9-001
Microphone Plate M4-02296 # - 260-047-9-001
Rubber Bushing M4-01706
Screw for Mounting Bracket M4-00640 PL- 634-048-9-001
Speaker Net M4-02081 PL- 743-024-9-001
Styrofoam Box M3-02084/5 # - 500-235-9-001
Display Box M3-02321 # - 500-236-9-001
Instruction Booklet PL- 480-149-9-001
Schematic/Parts List # - 499-062-9-001
FCC Application Form # - 492-041-9-001
Warranty Card # - 491-138-9-001
Caution Label # - 484-035-9-001
Service Station Card # - 491-036-0-000

**COMPOSITE
530-108-0-000**