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**Cobra CAM 89 Parts List From Owner's Manual**

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# PARTS LIST FOR COBRA CAM-89

CIRCUIT  
SYMBOL

DESCRIPTION

DYNASCAN  
PART NO.

## TRANSISTORS, DIODES

TR-21	Transistor 2SC235 (O) .....	176-042-9-007
TR-8.9	Transistor 2SC1173 (Y) .....	172-014-9-001
TR-36	Transistor 2SC1173 (O) .....	172-014-9-003
TR-19	Transistor 2SC1226A (P).....	176-042-9-005
TR-18	Transistor 2SC756-2-4 .....	172-014-9-002
TR-1.2	Transistor 2SC394 (Y) .....	176-042-9-001
TR-3.4.5.10.11. 12.15.16.17	Transistor 2SC372 (O) or 2SC839 (F) .....	176-042-9-002
TR-6.14.37	Transistor 2SC372 (Y) or 2SC945 (R) .....	176-042-9-003
TR-7	Transistor 2SC733 (Y) .....	176-042-9-004
TR-13	Transistor 2SC373 .....	176-025-9-001
TR-20	Transistor 2SC735 (O) .....	176-042-9-006
D-1.2.6.7.12.19. 20	Diode 1N37 .....	151-040-9-002
D-3.4.5.10.11.14	Diode 1N60 .....	150-001-9-005
D-9	Diode SR1K-1.....	151-040-9-003
D-62.63	Diode SR1K-2 .....	151-045-9-001
D-8	Diode CZ092 .....	152-051-9-001
D-61	Diode BZ162.....	152-057-9-001
D-60	Diode WZ061 .....	152-052-9-002
D-13	Diode IS2688C .....	153-004-9-001

## MISCELLANEOUS

CF	Ceramic Filter LF-B6 .....	140-009-9-001
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## COILS, TRANSFORMERS

L-7	TVI Trap Coil TC-71024.....	041-056-9-003
L-3	Ant. Filter Coil NS-1344 .....	044-028-9-001
L-9	TX Matching Coil TC-71025.....	044-028-9-002
L-10	TX Final Coil TC-71029 .....	044-028-9-003
L-12	TX Driver Coil TC-71023 .....	044-028-9-004
L-13	TX Pre-Driver Coil TC-71026 .....	044-028-9-005
L-1	14MHz Trap Coil TC-71096 .....	041-056-9-001
L-5	RF Choke Coil TC-71095B.....	042-011-9-001
T-1	RX Ant. Coil TKXN-22160BU .....	066-017-9-001
T-2	RX RF Amp. Coil TKXC-22534BU .....	066-017-9-002
T-11	23MHz OSC Coil TKXC-23169F .....	066-017-9-003
T-12.13	38MHz Filter Coil TKXC-23170Z .....	066-017-9-004
T-14	38MHz TKXC-223535BM Filter Coil .....	066-017-9-005
T-15.16	TX 27MHz Filter Coil KXN-13638HM .....	066-017-9-006
T-17	TX KXN-13636BM 27MHz Filter Coil .....	066-017-9-007
T-3	1st IFT Coil TKAC-22536IE .....	060-016-9-001
T-4	1st IFT Coil TKAC-21165A.....	060-016-9-002
T-5	2nd IFT Coil YLN-208448M .....	060-016-9-003
T-6	2nd IFT Coil YMC-20845AC .....	060-016-9-004
T-8	2nd IFT Coil YMC-20846AC .....	060-016-9-005
T-18	Power Transformer N60-7979PT .....	065-103-9-001
T-9	AF Input Transformer 69M .....	061-022-9-001
T-10	AF Output Transformer N28-7518BM.....	061-022-9-002
L-2.3.11	Micro Inductor LF4 2R2K .....	041-056-9-002

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## DESCRIPTION

DYNASCAN  
PART NO.

## COILS, TRANSFORMERS (Continued)

L-14	Micro Inductor LF4 6R8K .....	041-061-9-002
L-16	Micro Inductor LF4010 .....	041-062-9-001
L-4	Line Filter Choke 115C .....	044-028-9-006

## RESISTORS CONTROLS

R-38	Metalized Resistor 0.5 ohm ½W K .....	004-012-9-001
R-81	Metalized Resistor 12 ohm 2W K .....	013-005-9-001

## CAPACITORS

C-11	Ceramic Condensr 1P 50V C. SL .....	020-109-9-006
C-45,46,76	Ceramic Condensr 2P 50V C.SL.....	020-109-9-007
C-4,17,74	Ceramic Condensr 3P 50V SL.....	020-109-9-003
C-40,75,47	Ceramic Condensr 5P 50V SL.....	020-109-9-010
C-49	Ceramic Condensr 10P 50V K. SL .....	020-109-9-012
C-122	Ceramic Condensr 20P 50V SL .....	020-127-9-001
C-68,119	Ceramic Condensr 25P 50V SL .....	020-109-9-015
C-1,90	Ceramic Condensr 33P 50V SL .....	020-125-9-001
C-43,67,85,98,102	Ceramic Condensr 47P 50V SL .....	020-109-9-001
C-23,39,70,73,95	Ceramic Condensr 100P 50V SL .....	020-109-9-008
C-50,84	Ceramic Condensr 120P 50V SL .....	020-125-9-004
C-8,71,99,48	Ceramic Condensr 150P 50V SL .....	020-109-9-004
C-62,65,87	Ceramic Condensr 220P 50V SL .....	020-109-9-013
C-94	Ceramic Condensr 250P 50V SL .....	020-125-9-005
C-117	Ceramic Condensr 200P 50V SL .....	020-127-9-002
C-61,64	Ceramic Condensr 470P 50V SL .....	020-109-9-014
C-14	Ceramic Condensr 500P 50V K (N1200) .....	020-127-9-003
C-118	Ceramic Condensr 0.001 F 50V Z .....	020-125-9-006
C-26	Ceramic Condensr 0.0022 F 50V Z .....	020-132-9-001
C-31,57,59,104,105, 107,108,106	Ceramic Condensr 0.0047 F 50V Z .....	020-127-9-004
C-2,3,5,6,9,24,41,42, 44,51,54,63,66,69, 72,78,83,89,91,101, 112,204,202,205.	Ceramic Condensr 0.01 F 50V Z.....	020-109-9-002
C-10,15,18,86,88,92, 93,96,97,100,103, 120,121.	Ceramic Condensr 0.039 F 50V Z .....	020-127-9-005
C-77	Ceramic Condensr 0.1 F 12V Z.....	020-127-9-006
C-58	Mylar Condensr 0.001 F 50V K .....	025-074-9-003
C-7,12,13,20,36,37	Mylar Condensr 0.01 F 50V K .....	025-087-9-001
C-109	Mylar Condensr 0.047 F 50V K .....	025-074-9-005
C-16,21	Mylar Condensr 0.1 F 50V K .....	025-074-9-002
C-38,38,60	Mylar Condensr 0.1 F 50V K .....	025-074-9-002
C-81,628	Mylar Condensr 0.22 F 50V K .....	025-074-9-006
C-27	Electrolytic Condensr 0.47 F $\begin{matrix} +75 \\ -10 \end{matrix}$ % 50V .....	022-122-9-016
C-28,29,52	Electrolytic Condensr 1 F $\begin{matrix} +150 \\ -0 \end{matrix}$ % 16V .....	022-099-9-003
C-110	Electrolytic Condensr 1 F $\begin{matrix} +150 \\ -0 \end{matrix}$ % 50V .....	022-122-9-001
C-25,32,53,56,113.	Electrolytic Condensr 10 F $\begin{matrix} +100 \\ -10 \end{matrix}$ % 16V .....	022-120-9-001

**CIRCUIT  
SYMBOL**

**DESCRIPTION**

**DYNASCAN  
PART NO.**

**CAPACITORS (Continued)**

C-22	Electrolytic Condensor 47 F $\begin{matrix} +100 \\ -10 \end{matrix}$ % 10V.....	022-120-9-002
C-30.34	Electrolytic Condensor 100 F $\begin{matrix} +100 \\ -10 \end{matrix}$ % 10V.....	022-099-9-004
C-35.55	Electrolytic Condensor 100 F $\begin{matrix} +100 \\ -10 \end{matrix}$ % 16V.....	022-120-9-004
C-201	Electrolytic Condensor 220 F $\begin{matrix} +100 \\ -10 \end{matrix}$ % 16V.....	022-122-9-008
C-8Q	Electrolytic Condensor 470 F $\begin{matrix} +100 \\ -10 \end{matrix}$ % 16V.....	022-099-9-006
C-203	(ECE-T25R2200Z) Electrolytic Condensor 220 F 25V .....	022-007-9-007

**CRYSTALS**

C-203	Crystal 23.290 MHz (2007B) .....	133-004-9-001
	Crystal 23.340 MHz (2007B) .....	133-004-9-002
	Crystal 23.390 MHz (2007B) .....	133-004-9-003
	Crystal 23.440 MHz (2007B) .....	133-004-9-004
	Crystal 23.490 MHz (2007B) .....	133-004-9-005
	Crystal 23.540 MHz (2007B) .....	133-004-9-006
	Crystal 14.950 MHz (2006B) .....	133-004-9-007
	Crystal 14.960 MHz (2006B) .....	133-004-9-008
	Crystal 14.970 MHz (2006B) .....	133-004-9-009
	Crystal 14.990 MHz (2006B) .....	133-004-9-010
	Crystal 11.730 MHz (2005B) .....	133-004-9-012
	Crystal 11.275 MHz (2005B) .....	133-004-9-011
	Crystal Socket S-00 105.....	749-079-9-001

**MISCELLANEOUS**

J-1	M-R Connector .....	772-025-9-001
J-2	Metal Consent SM144 (4P) .....	773-045-9-001
J-5	3F Consent CN3795.....	733-054-9-001
J-3,4	Jack SJ-296 3.5.....	773-045-9-002
	Speaker 107D10T (1.5W).....	580-015-9-001
S-2	Rotary Switch 1-2-24 (4S32C000-A) .....	083-162-9-001
S-4	Slide Switch SL-2-2-2-14 (white) .....	084-036-9-001
S-3	Slide Switch SL-3-3-2-03 (white) .....	084-036-9-002
M-1	Meter S/RF .....	320-055-9-001
M-2	Meter Mod.....	320-054-9-001

**CIRCUIT  
SYMBOL**

**DESCRIPTION  
RESISTORS, CONTROLS**

**DYNASCAN  
PART NO.**

VR-10.13.2	Variable Resistor 50K ohm B 24	Tone SQ RF Gain .....	008-210-9-006
VR-8	Variable Resistor 2GK0ohm B 16	Voice Lock.....	008-210-9-004
VR-4.Si-A.Si-B	Variable Resistor 10K ohm A 24	Vol on/off .....	008-210-9-005
VR-5	Variable Resistor 10K ohm A 24	Dynamike .....	008-210-9-003
VR-3	Semi-Fixed Resistor 50K ohm 2P	68BM .....	008-209-9-008
VR-1.11	Semi-Fixed Resistor 30K ohm 2P	6BM .....	008-209-9-009
VR-6.7	Semi-Fixed Resistor 20K ohm 2P	63BM .....	008-209-9-010
VR-9	Semi-Fixed Resistor 10K ohm 2P	6BM .....	008-209-9-011
VR-19	Semi-Fixed Resistor 200ohm 3P	58M.....	008-209-9-012

**MISCELLANEOUS**

	Microphone DF-107B (SKI) .....	562-006-9-001
	Microphone Hanger 12-42438-01 .....	741-074-9-001
PL-1	Pilot Lamp 14V 50mA 250m/m (Red) Lead Wire.....	400-035-9-004
PL-2.3	Pilot Lamp 14V 50mA 250m/m White Lead Wire ...	400-035-9-001
	Chassis SPt 11.0t/ZMC-3 M1-02420 .....	257-059-9-001
	Back Panel SPC-11.0t/ZMC-3 M2-02403.....	262-012-9-001
	Bonnet (Top Cabinet) M2L02404 .....	253-036-9-001
	Bottom Cabinet M2-02405 .....	252-015-9-001
	(Left) • UT-69C-008	
	Front Panel Setting Metal M4-00162 .....	251-131-9-001
	(Right) UT-69C-009	
	Front Panel Setting Metal M4-00163 .....	251-132-9-001
	Front Panel M1-02401.....	380-213-9-001
	Knob, Channel M4-01727 .....	751-095-9-001
	Knob, Volume, Squelch, Etc. M4-01728.....	751-095-9-002
	Channel Number Disc. M4-01957.....	380-176-9-002
	Front Plate M3-02423.....	260-050-9-001
	Brand Plate M3-02424 .....	260-051-9-001
	Brand Plate for Microphone M4-02296.....	260-047-9-001
	Speaker Net M4-02413 .....	763-025-9-001
	Rubber Foot 25 ×17H (Black) .....	381-058-9-001
	Styrofoam Box (Right & Left) M2-02415/16.....	503-080-9-001
	Display Box M3-02427 .....	500-239-9-001
	Instruction Manual .....	480-140-9-001
	Schematic & Parts List.....	499-064-9-001
	FCC Application Form.....	492-041-9-001
	Warranty Card .....	491-138-9-001
	Service Dept. Address List .....	492-036-0-000

**499-064-9-001**