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Cobra 29XLR Owner's Manual Parts List

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BILL OF MATERIAL FOR COBRA 29XLR

CIRCUIT SYMBOL NO.	DESCRIPTION	DYNASCAN PART NO.
IC, TRANSISTORS, & DIODES		
IC-1	Intergrated Circuit μ PC1156H	307-112-9-001
IC-2	Intergrated Circuit μ PC592H2	307-113-9-004
IC-3	Intergrated Circuit μ PD858C	307-095-9-004
IC-4	Intergrated Circuit MB84011U	307-113-9-001
IC-5	Intergrated Circuit UHIC-004	307-113-9-002
IC-6	Intergrated Circuit NJM78L05A	307-113-9-003
IC-7	Intergrated Circuit μ PC577H	307-115-9-001
TR-2, 12	FET 2SK55-D	182-045-9-001
TR-9	FET 3SK45-B	182-038-9-001
TR-18	FET 3SK45-B09	182-042-9-001
TR-1	Transistor 2SC1342-B	176-074-9-001
TR-3, 4, 5, 10, 19	Transistor 2SC460-B	176-072-9-005
TR-6	Transistor 2SC2092	176-074-9-003
TR-7	Transistor 2SC2091	176-074-9-002
TR-8	Transistor 2SC2076-CB	176-060-9-004
TR-11, 12, 13, 14, 16, 17, 21, 26, 28	Transistor 2SC458-C	176-048-9-002
TR-15, 27	Transistor 2SA844-C	177-025-9-002
TR-20	Transistor 2SA673-C	177-025-9-001
TR-25	Transistor 2SD467-C	176-074-9-004
TR-23	Transistor 2SC1364-6	176-054-9-001
D-1, 2, 3, 7, 10, 14, 16, 24, 20, 21	Diode IS2473 (D type Forming)	151-035-9-001
D-4, 5, 8, 9, 26, 22	Diode IN60AM (D type Forming)	150-013-9-001
D-6, 12, 13	Diode IS2473K (D type Forming)	151-060-9-001
D-11, 19	Diode SRIK-1	151-040-9-003
D-17, 18	Zenor Diode CZ-092	152-081-9-001
D-15	Varicap IS2339-G (D type Forming)	029-016-9-001
D-301	Light Emitting Diode TLR-321	158-014-9-001
D-302	Light Emitting Diode LR0702R	158-015-9-001
COILS & TRANSFORMERS		
L-1, 27	Coil LA-029	066-017-9-001
L-28	Coil LA-155	060-026-9-001
L-6	Coil LA-163	060-022-9-001
L-3	Coil LA-180	060-024-9-001
L-4	Coil LA-181	060-024-9-002
L-5	Coil LA-182	060-024-9-003
L-7	Coil LA-183	060-024-9-004
L-8	Coil LA-184	060-024-9-005
L-17	Coil LA-185	060-024-9-006
L-24	Coil LA-186	060-024-9-007
L-20	Coil LA-187	060-024-9-008
L-21	Coil LA-188	060-024-9-009
L-16	Coil LA-189	060-024-9-010
L-18	Coil LA-193	060-024-9-011
L-2	Coil LA-194	060-024-9-012
L-10, 15	Coil LC-017	044-028-9-004

CIRCUIT
SYMBOL NO.

DESCRIPTION

DYNASCAN
PART NO.

COILS & TRANSFORMERS

L-12	Coil LC-018	041-056-9-003
L-11	Coil LC-020	044-028-9-005
L-13	Coil LD-012	044-028-9-003
L-9	Coil LD-073	044-042-9-002
L-303, 305, 307, 309	Coil LD-046	044-044-9-001
L-23	Micro Inductor LZ-002 1.5 μ	041-090-9-001
L-19	Micro Inductor LZ-001 33 μ	041-090-9-002
L-22	Micro Inductor LZ-001 100 μ	041-062-9-002
L-301, 302	Beads Core LD-072	044-042-9-001
L-14, 25	Beads Core LD-075	763-081-9-001
L-303, 305, 307, 309	Beads Core LD-077	763-084-9-001
T-2	Choke Transformer TF-017	044-028-9-006
T-1	Output Transformer TF-107	061-031-9-001

VARIABLE RESISTORS

VR-5	Semi-Fixed Resistor RV-133	5KB	008-308-9-004
VR-4	Semi-Fixed Resistor RV-133	10KB	008-311-9-001
VR-1	Semi-Fixed Resistor RV-133	20KB	008-311-9-002
VR-2, 3	Semi-Fixed Resistor RV-133	50KB	008-308-9-005
VR-305	Variable Resistor RV-049	20KB	008-308-9-001
VR-302, 308	Variable Resistor RV-196	20KB	008-311-9-003
VR-304	Variable Resistor RV-175	50KB	008-311-9-004
VR-303	Variable Resistor RV-183	10KA	008-311-9-005
VR-306	Variable Resistor RV-191	10KB	008-308-9-002
VR-301	Variable Resistor RV-197	50KA	008-308-9-003

RESISTORS

R-77	Metalized Resistor 2.2 ohm 1W K	013-011-9-001
R-76	Metalized Resistor 22 ohm 1W K	013-011-9-002
R-131	Metalized Resistor 68 ohm 2W K	013-018-9-001
R-127	Metalized Resistor 200 ohm 2W K	013-015-9-002
R-43	Carbon Resistor 2.2 ohm 1/8W J (Forming type)	002-108-5-229
R-15, 119, 44, 42	Carbon Resistor 10 ohm 1/8W J (Forming type)	002-108-5-100
R-47, 49	Carbon Resistor 47 ohm 1/8W J (Forming type)	002-108-5-470
R-126	Carbon Resistor 56 ohm 1/8W J (Forming type)	002-108-5-560
R-38	Carbon Resistor 82 ohm 1/8W J (Forming type)	002-108-5-820
R-16, 45, 74, 51, 152, 151, 157	Carbon Resistor 100 ohm 1/8W J (Forming type)	002-108-5-101
R-5, 8, 11, 19, 52	Carbon Resistor 220 ohm 1/8W J (Forming type)	002-108-5-221
R-20, 304	Carbon Resistor 330 ohm 1/8W J (Forming type)	002-108-5-331
R-10, 64, 117	Carbon Resistor 560 ohm 1/8W J (Forming type)	002-108-5-561
R-3, 4, 103	Carbon Resistor 680 ohm 1/8W J (Forming type)	002-108-5-681
	Carbon Resistor 820 ohm 1/8W J (Forming type)	002-108-5-821
R-139	Carbon Resistor 1.8K 1/8W J (Forming type)	002-108-5-182
R-1, 14, 58, 69, 61, 90, 91, 130, 136	Carbon Resistor 1K 1/8W J (Forming type)	002-108-5-102
R-12, 118	Carbon Resistor 1.5K 1/8W J (Forming type)	002-108-5-152
R-7, 98, 29, 65, 115, 121	Carbon Resistor 2.2K 1/8W J (Forming type)	002-108-5-222
R-48	Carbon Resistor 2.7K 1/8W J (Forming type)	002-108-5-272
R-2, 9, 13, 18, 88, 110, 57, 85	Carbon Resistor 3.3K 1/8W J (Forming type)	002-108-5-332

CIRCUIT
SYMBOL NO.

DESCRIPTION

DYNASCAN
PART NO.

RESISTORS

R-35, 72, 73, 92	Carbon Resistor 4.7K	2/8W J (Forming type)	002-108-5-472
R-104, 138, 154	Carbon Resistor 5.6K	1/8W J (Forming type)	002-108-5-562
R-128	Carbon Resistor 6.8K	1/8W J (Forming type)	002-108-5-682
R-6, 17, 50, 59 95, 97, 129, 84, 106, 114, 105, 89, 123, 124	Carbon Resistor 10K	1/8W J (Forming type)	002-108-5-103
R-96, 94	Carbon Resistor 15K	1/8W J (Forming type)	002-108-5-153
R-21, 28, 108, 125, 156	Carbon Resistor 22K	1/8W J (Forming type)	002-108-5-223
	Carbon Resistor 27K	1/8W J (Forming type)	002-108-5-273
R-40, 54, 93, 135	Carbon Resistor 33K	1/8W J (Forming type)	002-108-5-333
R-71	Carbon Resistor 47K	1/8W J (Forming type)	002-108-5-473
R-23	Carbon Resistor 56K	1/8W J (Forming type)	002-108-5-563
R-55	Carbon Resistor 68K	1/8W J (Forming type)	002-108-5-683
R-24, 26, 56, 53, 75, 107, 109, 132, 102, 155	Carbon Resistor 100K	1/8W J (Forming type)	002-108-5-104
R-66	Carbon Resistor 150K	1/8W J (Forming type)	002-108-5-154
R-25	Carbon Resistor 180K	1/8W J (Forming type)	002-108-5-184
R-86, 122	Carbon Resistor 220K	1/8W J (Forming type)	002-108-5-224
R-22, 70	Carbon Resistor 330K	1/8W J (Forming type)	002-108-5-334
R-67, 27	Carbon Resistor 470K	1/8W J (Forming type)	002-108-5-474
R-68	Carbon Resistor 1.5M	1/8W J (Forming type)	002-108-5-155
R-87, 153	Carbon Resistor 2.2M	1/8W J (Forming type)	002-108-5-225
R-60	Carbon Resistor 10K	1/8W J (U type)	002-108-5-103
R-303	Carbon Resistor 47 ohm	1/2W J (P type)	002-102-5-470
R-120	Carbon Resistor 100 ohm	1/2W J (P type)	002-120-5-101
R-140	Carbon Resistor 120 ohm	1/2W J (P type)	002-102-5-121

CAPACITORS

C-137, 138	Tantalum Capacitor 2.2 μ M 16V	027-023-9-001
C-112	Electrolytic Capacitor 0.47 μ 50V	022-122-9-016
C-27, 163	Electrolytic Capacitor 1 μ 50V	022-144-9-001
C-165, 97, 110, 16	Electrolytic Capacitor 2.2 μ 25V	022-153-9-001
C-15	Electrolytic Capacitor 4.7 μ 25V	022-122-9-003
C-24, 42, 88, 118, 123, 127	Electrolytic Capacitor 10 μ 16V	022-142-9-001
C-98, 101, 117	Electrolytic Capacitor 33 μ 16V	022-144-9-004
C-49	Electrolytic Capacitor 47 μ 16V	022-155-9-001
C-159, 158	Electrolytic Capacitor 100 μ 16V	022-099-9-005
C-162	Electrolytic Capacitor 100 μ 25V	022-155-9-002
C-105, 106, 147	Electrolytic Capacitor 220 μ 16V	022-122-9-008
C-142, 144	Electrolytic Capacitor 470 μ 6.3V	022-122-9-014
C-119	Electrolytic Capacitor 470 μ 16V	022-099-9-006
C-93, 111, 113, 120	Aluminium Capacitor 0.1 μ Z 16V	033-028-9-001
C-140, 95	Aluminium Capacitor 0.2 μ Z 16V	033-023-9-002
C-89, 90	Mylar Capacitor 0.001 μ 50V K	025-074-9-003
C-96	Mylar Capacitor 0.01 50V K	025-087-9-001
C-19, 104, 141, 146	Mylar Capacitor 0.022 μ 50V K	025-071-9-002
C-116	Mylar Capacitor 0.039 μ 50V K	025-099-9-001
C-100, 102, 22	Mylar Capacitor 0.068 μ 50V K	025-060-9-002
C-5	Ceramic Capacitor 1.5P 50V C CH	020-178-9-001
C-18	Ceramic Capacitor 2P 50V C RH	020-176-9-003
C-132	Ceramic Capacitor 3P 50V C RH	020-178-9-002
C-134	Ceramic Capacitor 15P 50V J RH	020-176-9-005
C-2	Ceramic Capacitor 22P 50V J RH	020-176-9-006

**CIRCUIT
SYMBOL NO.**

DESCRIPTION

**DYNASCAN
PART NO.**

CAPACITORS

C-171	Ceramic Capacitor 27P 50V J RH	020-178-9-003
C-129	Ceramic Capacitor 47P 50V J RH	020-178-9-004
C-43	Ceramic Capacitor 56P 50V J RH	020-176-9-007
C-72	Ceramic Capacitor 100P 50V J RH	020-178-9-005
C-69	Ceramic Capacitor 330P 50V J RH	020-178-9-006
C-11	Ceramic Capacitor 5P 50V C SL	020-178-9-007
C-115, 303	Ceramic Capacitor 33P 50V J SL	020-178-9-008
C-103	Ceramic Capacitor 68P 50V J SL	020-178-9-009
C-53, 91, 92, 179	Ceramic Capacitor 100P 50V J SL	020-178-9-010
C-151, 180	Ceramic Capacitor 150P 50V J SL	020-178-9-011
C-301, 58	Ceramic Capacitor 180P 50V J SL	020-178-9-012
C-57, 99	Ceramic Capacitor 220P 50V J SL	020-178-9-013
C-50	Ceramic Capacitor 300P 50V J SL	020-178-9-014
C-60, 114	Ceramic Capacitor 330P 50V J SL	020-178-9-015
C-150, 148	Ceramic Capacitor 22P 50V J SL	020-178-9-014
C-40, 73, 131, 87, 122, 126, 401, 149, 86, 177, 181, 182, 183	Ceramic Capacitor 0.001 μ 25V Z YB	020-178-9-017
C-29, 70, 51, 121, 125, 25, 26	Ceramic Capacitor 0.0047 μ 25V Z YB	020-178-9-018
	Ceramic Capacitor 0.002 μ 25V Z YG	020-178-9-019
C-1, 3, 4, 6, 8, 9, 10, 21, 30, 34, 41, 45, 62, 64, 68, 71, 78, 74, 77, 66, 65, 68, 76, 107, 128, 124, 145, 152, 143, 139, 133, 136, 164, 63, 154, 157, 167, 160, 161, 79, 80, 81, 82, 83, 84, 402, 403, 404, 135, 172, 173, 174, 175, 176, 178, 184, 304, 44	Ceramic Capacitor 0.01 μ 25V Z YG	020-165-9-004
C-7, 59, 67	Ceramic Capacitor 0.02 μ 25V Z YG	020-178-9-020
C-13, 20, 23, 14, 52, 61, 75, 85, 12, 78	Ceramic Capacitor 0.039 μ 25V Z YG	020-178-9-021
C-302	Ceramic Capacitor 0.047 μ 25V Z YG	020-178-9-022
C-153	Ceramic Capacitor 15P 50V C RH	020-178-9-023
VC-1	Trimmer Condensor CV-024 40P	028-046-9-001
CC-1, 2	Compound Parts HA-003	527-076-9-003
RR-301, 302	Compound Parts HA-008	527-076-9-002
RR-1	Compound Parts HA-006	527-076-9-001

CRYSTALS

X-2	Crystal QX-077	133-014-9-001
X-1	Crystal QX-078	133-014-9-002
X-3	Crystal QX-079	133-014-9-003

MISCELLANEOUS

XF-1	Ceramic Filter FL-047	140-018-9-001
XF-2	Ceramic Filter FL-049	140-018-9-002
S-306	Rotary Switch SR-155	083-220-9-001
S-304, 307	Slide Switch SW-048	084-055-9-001
S-303, 301	Slide Switch SW-049	084-058-9-001

CIRCUIT
SYMBOL NO.

DESCRIPTION

DYNASCAN
PART NO.

MISCELLANEOUS

SP-301	Speaker SP-003	580-013-9-001
M-301	Meter MT-098	320-087-9-001
J-301	M type Connector JK-035	773-080-9-001
J-401	Jack JK-072	772-038-9-001
J-303, 304	Jack JK-010	772-025-9-001
J-312	Jack JK-073	772-038-9-002
J-306	Consent JK-052	762-020-9-001
	Terminal TP-029	757-033-9-001
	Fuse FS-001 2A	191-251-9-001
	Wire Clamp YY-047	380-278-9-001
FC-1	Flat Cable WF-007	426-022-9-001
	DC Cord WD070088	427-022-9-001
	Insulation Board YD-032	345-050-9-001
	Microphone MK-025	562-018-9-001
	Insulation Board YD-033	345-050-9-002
	Insulation Board YD-034	345-050-9-003
J-310, 311	Speaker Jack JK-082	772-038-9-003
	Chassis	257-088-9-001
	Front Chassis	258-017-9-001
	Upper Case Cover	253-056-9-001
	Lower Case Cover	253-056-9-002
	Mounting Bracket	251-204-9-001
	Switch Angle	251-200-9-001
	Meter Holder	251-201-9-001
	Heat Sink, Intergrated Circuit	747-051-9-001
	Heat Sink, Intergrated Circuit	747-051-9-002
	Mike Hanger	741-074-9-001
	Shield Board	763-082-9-001
	Conduct Plate	763-084-9-002
	Front Panel	255-150-9-001
	Channel Knob	751-146-9-003
	LED (acryl) SOCKET	762-020-9-002
	LED (ABS) SOCKET	762-020-9-003
	Knob, Squelch, Volume and Dynamike	751-146-9-001
	Knob, Dimmer	751-146-9-002
	LED Cap	380-281-9-001
	Front Plate	600-033-9-001
	FCC Plate	483-283-9-001
	Warning Lable	483-279-9-001
	Transmitter Card	492-048-9-001
	Serial No. Label	483-283-9-002
	Production No. Label	483-283-9-003
	Screw for Mounting Bracket	634-081-9-001
	Rubber Washer, Mounting Bracket	347-071-9-001
	Rubber Washer, Speaker	347-071-9-002
	Meter Cushion	502-099-9-001
	Wool Tag	483-283-9-004

499-102-9-001

CIRCUIT
SYMBOL NO.

DESCRIPTION

DYNASCAN
PART NO.

MISCELLANEOUS

Insulation Board	345-050-9-004
Bind Tap Tight 3 x 6 ZMC	710-031-9-001
+Bind Screw M2 x 4 Ni PBH NPL Mach. Screw	634-069-9-002
+Bind Screw M2.6 x 4 Ni PBH NPL Mach. Screw	634-083-9-001
+Bind Screw M3 x 6 Ni PBH NPL Mach. Screw	634-053-9-001
+Bind Screw M3 x 8 Ni PBH NPL Mach. Screw	634-067-9-001
+Bind Screw M3 x 4 PBH Mach. Screw	634-081-9-002
+Bind Screw M3 x 6 PBH Mach. Screw	634-081-9-001
Tapping + 3.5 x 8 ZMC PBH SM Chromated (Type BT)	710-021-9-001
Tapping + 5 x 10 ZMC SM Chromated (Type BT)	710-021-9-002
+Bind Screw M3 x 6 Ni (for Front Panel)	634-081-9-004
Nut M3 with Celede ZMC Hex	653-026-9-002
Rugged Washer (A), Mike Hanger	731-041-9-001
Rugged Washer (B), Mounting Bracket	731-048-9-001
Poly Bag for Transceiver	502-100-9-001
Poly Bag for Accessories	562-100-9-002
Poly Bag for Microphone	502-100-9-003
Poly Bag for DC Cord	502-100-9-004
Poly Bag for Printed Matter	502-100-9-005
Knob Spring for 3.5 ϕ	763-084-9-003
Knob Spring for 6 ϕ	763-084-9-004
Rivet	733-022-9-001
Display Box COBRA 29 XLR	500-308-9-001
Styrofoam, Front	503-129-9-001
Styrofoam, Back	503-129-9-002
Double Carton	500-309-9-001
Instruction Manual COBRA 29 XLR	480-195-9-001
Schematic Diagram	488-182-9-001
Warranty Card	491-138-9-001
Service Station Card	492-042-0-000
FCC License Application Form 505	492-041-9-001
FCC Temporary License Form 555-B	492-046-9-001
FCC Rules Part 95	492-047-9-001
Printed Circuit Board, PC-198AA, Main	302-233-9-001
Printed Circuit Board, PC-181AA, Mic	302-239-9-001
Printed Circuit Board, PC-207AA CH. Switch	302-240-9-001