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Cobra 139XLR Owner's Manual Parts List

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BILLS OF MATERIAL FOR COBRA 139XLR

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
IC, TRANSISTORS & DIODES		
TR-2-19, 17	Transistor 2SA733-P	177-020-9-001
TR-1, 3, 4, 11, 12, 13, 14, 15, 16, 18, 20, 21, 22, 23, 26, 29, 32, 33, 41, 42, 301	Transistor 2SC-945-AP	176-060-9-003
TR-6, 7, 8, 9, 10, 27, 28, 30, 31, 34, 38, 39, 40	Transistor 2SC1675-L	176-065-9-001
TR-5	Transistor 2SC1730-L	176-073-9-001
TR-35	Transistor 2SC458-C	176-043-9-002
TR-43	Transistor 2SC1307-(1)	176-073-9-002
TR-44	Transistor 2SC1306	176-024-9-002
TR-5	Transistor 2SC1973	176-073-9-003
TR-401	Transistor 2SD188-M	176-040-9-001
TR-24, 25, 36, 302	Transistor 2SC1419-C	176-055-9-004
TR-37	Transistor 2SA719P	177-024-9-001
FET 1, 4, 7	FET 3SK45-B	182-038-9-001
FET 2, 6	FET JF 1033	182-044-9-002
FET 3,5	FET 2SK68A-M	182-046-9-001
IC-1	Integrated Circuit μ PC577H	307-112-9-007
IC-3	Integrated Circuit μ PC592HZ	307-113-9-004
IC-4	Integrated Circuit μ PC1156H	307-112-9-001
I-C7	Integrated Circuit μ PD858C	307-095-9-004
I-C2	Integrated Circuit MC1496A	307-112-9-005
I-C6	Integrated Circuit μ PC78L05	307-112-9-003
I-C5	Integrated Circuit μ HID-005	307-112-9-002
D-41, 43, 45	Diode (Vari-cap) 1S2687D	153-008-9-001
D-57	Diode 1S2473	
D-27, 54	Diode SR1K2	151-045-9-001
D-24, 28, 44	Zener Diode CZ-092	152-051-9-001
D-301	Zener Diode WZ-061	152-052-9-002
D-302	Zener Diode BZ-162	152-057-9-001
D-25	Zener Diode BZ-075	152-079-9-004
D-51, 52	Varistor KB-162W	153-008-9-002
D-406	Rectifier S5VB	151-065-9-001
D-401	LED Diode TLR-B21	158-014-9-001
D-1, 2, 3, 4, 5, 6, 7, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 29, 30, 33, 34, 35, 36, 38, 39, 40, 46, 47, 53, 58,	P type Forming 1S2473 (10mm)	151-035-9-001
D-8, 9, 37, 56,	P type Forming 1S2473 (12.5mm)	151-035-9-001
D-10, 11, 15, 16, 48, 49, 50, 55, 59	P type Forming 1N60P (12.5mm)	151-006-9-001
D-26,	P type Forming WZ-050 (10mm)	152-069-9-001
D-32	P type Forming WZ 061 (10mm)	152-052-9-002
D-31	P type Forming WZ 061 (12.5mm)	152-052-9-002

COILS & TRANSFORMERS

L1	Coil LA-029	060-025-9-001
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**CIRCUIT
SYMBOL**

DESCRIPTION

**DYNASCAN
PART NO.**

COILS & TRANSFORMERS

L9, 39	Coil LA-038	060-025-9-002
L8	Coil LA-096	060-025-9-003
L3	Coil LA-152	060-025-9-004
L-2	Coil LA-155	060-025-9-005
L-4	Coil LA-156	060-025-9-006
L-37	Coil LA-157	060-025-9-007
L-16	Coil LA-160	060-035-9-008
L-5	Coil LA-178	060-025-9-009
L-6	Coil LA-179	060-085-9-010
L-24	Coil LA-190	060-025-9-011
L-17	Coil LA-191	060-025-9-012
L-27, 32	Coil LC-018	041-056-9-003
L-30	Coil LC-019	041-088-9-001
L-401, 402, 403, 404	Coil LD-046	044-043-9-001
L-40	Coil LD-013	044-043-9-002
L-31, 33, 34	Coil LD-018	044-043-9-003
L-35, 36	Coil LD-057	044-043-9-004
L-41, 42	Coil LD-077	044-043-9-005
L-26	Coil LD-071	044-043-9-006
L-407	Coil LD-072	044-043-9-007
L-28, 29	Coil LE-051	044-043-9-008
L-43, 44	Micro Inductor LZ-002 1 μ H	041-088-9-002
L-19	Micro Inductor LZ-012 100 μ H	041-088-9-003
L-9, 12, 13, 14, 15, 18, 20 21, 22, 23, 25, 38	Micro Inductor LZ-012 470 μ H	041-088-9-004
L-10	Micro Inductor LZ-015 56mH	041-088-9-005
L-11	Micro Inductor LZ-015 68mH	041-088-9-006
T-1	Output Transformer TF-106	061-033-9-001
T-401	Power Transformer TF-085	065-133-9-001

VARIABLE RESISTORS

VR-7 VR9	Semi-Fixed Resistor RV-135 5K	008-310-9-001
RT-301	Semi-Fixed Resistor RV-102 300 B	008-310-9-002
VR-8	Semi-Fixed Resistor RV-135 10K B	008-310-9-003
VR-1	Semi-Fixed Resistor RV-133 25K B	008-310-9-004
VR-4	Semi-Fixed Resistor RV-135 50K B	008-310-9-005
VR-2, 3, 5, 12, 14	Semi-Fixed Resistor RV-135 100K B	008-310-9-006
VR-15, 16	Semi-Fixed Resistor RV-135 300 B	008-310-9-007
VR-405,/s406	Variable Resistor RV-027 10K ohm	008-310-9-008
VR-404	Variable Resistor RV-028 100K B	008-310-9-009
VR-401, 408	Variable Resistor RV-049 20K B	008-310-9-010
VR-402, 403	Variable Resistor RV-192 100KB 5KB	008-310-9-011

RESISTORS

R-205	Carbon Resistor 1 ohm 1/2 W J (P type)	002-102-5-010
R-204	Carbon Resistor 10 ohm 1/2 W J (P type)	002-102-5-100
R-305, 181	Carbon Resistor 220 ohm 1/2 W J (P type)	002-102-5-221
R-206	Carbon Resistor 5.6 ohm 1/4 W J (U type)	002-104-5-569
R-197	Carbon Resistor 33 ohm 1/4 W J (U type)	002-104-5-330
R-20	Carbon Resistor 1.5 K ohm 1/4W J (U type)	002-104-5-152
R-209	Carbon Resistor 2.2 Kohm 1/4W J (U type)	002-104-5-222
R-80	Carbon Resistor 4.7 Kohm 1/4W J (U type)	002-104-5-472

**CIRCUIT
SYMBOL**

DESCRIPTION

**DYNASCAN
PART NO.**

RESISTORS

R-143, 155	Carbon Resistor 5.6 Kohm 1/4WJ (U type) . . . . .	.002-104-5-562
R-208	Carbon Resistor 8.2 Kohm 1/4W J (U type) . . . . .	.002-104-5-822
R-150	Carbon Resistor 33 Kohm 1/4W J (U type) . . . . .	.002-104-5-333
R-93, 195	Carbon Resistor 56Kohm 1/4W J (Forming type) . . . . .	.002-104-5-563
R-97, 182, 186	Carbon Resistor 10 ohm 1/8W J (Forming type) . . . . .	.002-108-5-100
R-179, 199	Carbon Resistor 15 ohm 1/8W J (Forming type) . . . . .	.002-108-5-150
R-25	Carbon Resistor 47 ohm 1/8W J (Forming type) . . . . .	.002-108-5-410
R-63	Carbon Resistor 56 ohm 1/8W J (Forming type) . . . . .	.002-108-5-560
R105	Carbon Resistor 68 ohm 1/8W J (Forming type) . . . . .	.002-108-5-680
R-22, 118, 119, 168, 169, 189, 132	Carbon Resistor 100 ohm 1/8W J (Forming type) . . . . .	.002-108-5-101
R-32	Carbon Resistor 150 ohm 1/8W J (Forming type) . . . . .	.002-108-5-151
R-1, 18, 29, 33, 56, 60, 65 67, 71, 74, 94, 52, 131, 141, 142, 154, 196, 188	Carbon Resistor 220 ohm 1/8W J (Forming type) . . . . .	.002-108-5-221
R-108	Carbon Resistor 270 ohm 1/8W J (Forming type) . . . . .	.002-108-5-271
R-46, 183, 95	Carbon Resistor 330 ohm 1/8W J (Forming type) . . . . .	.002-108-5-331
R-111	Carbon Resistor 390 ohm 1/8W J (Forming type) . . . . .	.002-108-5-391
R-17, 28, 36, 110, 125, 200, 72	Carbon Resistor 470 ohm 1/8W J (Forming type) . . . . .	.002-108-5-471
R-68	Carbon Resistor 820 ohm 1/8W J (Forming type) . . . . .	.002-108-5-821
R-8, 12, 14, 55, 69, 86, 100, 123, 133, 145, 157, 159, 165, 184, 185, 202, 176, 177	Carbon Resistor 1K ohm 1/8W J (Forming type) . . . . .	.002-108-5-102
R-99	Carbon Resistor 1.2Kohm 1/8W J (Forming type) . . . . .	.002-108-5-122
R-13, 19, 21, 23, 44, 66, 127, 128, 130	Carbon Resistor 1.5Kohm 1/8W J (Forming type) . . . . .	.002-108-5-152
R-47, 102, 103, 116, 120, 134, 140, 173, 139	Carbon Resistor 2.2Kohm 1/8W J (Forming type) . . . . .	.002-108-5-222
R-10, 83, 90, 146, 117	Carbon Resistor 2.7Kohm 1/8W J (Forming type) . . . . .	.002-108-5-272
R-31, 51, 59, 62, 77, 92, 96, 135, 187	Carbon Resistor 3.3Kohm 1/8W J (Forming type) . . . . .	.002-108-5-332
R-9, 84, 91, 101, 162	Carbon Resistor 4.7Kohm 1/8W J (Forming type) . . . . .	.002-108-5-472
R-4, 11, 27, 45, 121, 163, 137, 138, 212	Carbon Resistor 5.6Kohm 1/8W J (Forming type) . . . . .	.002-108-5-562
R-175	Carbon Resistor 8.2Kohm 1/8W J (Forming type) . . . . .	.002-108-5-822
R-2, 16, 24, 48, 49, 54, 61, 64, 193, 201, 203, 193, 192, 193, 201, 70, 76, 57, 81, 87, 89, 98, 122, 171, 144, 152, 156, 164, 167, 203	Carbon Resistor 10Kohm 1/8W J (Forming type) . . . . .	.002-108-5-103
R-149, 158, 78	Carbon Resistor 15Kohm 1/8W J (Forming type) . . . . .	.002-108-5-153
R-37	Carbon Resistor 18Kohm 1/8W J (Forming type) . . . . .	.002-108-5-183
R-6, 26, 136, 172, 104	Carbon Resistor 22Kohm 1/8W J (Forming type) . . . . .	.002-108-5-223
R-147	Carbon Resistor 27Kohm 1/8W J (Forming type) . . . . .	.002-108-5-273
R-30, 148	Carbon Resistor 47Kohm 1/8W J (Forming type) . . . . .	.002-108-5-473
R-82, 106, 124, 170, 194	Carbon Resistor 56Kohm 1/8W J (Forming type) . . . . .	.002-108-5-363
R-5, 35, 39, 53, 58, 75, 166 190	Carbon Resistor 100Kohm 1/8W J (Forming type) . . . . .	.002-108-5-104
R-42, 191	Carbon Resistor 150Kohm 1/8W J (Forming type) . . . . .	.002-108-5-264
R-34, 38, 40, 50, 73	Carbon Resistor 220Kohm 1/8W J (Forming type) . . . . .	.002-108-5-224
R-88	Carbon Resistor 270Kohm 1/8W J (Forming type) . . . . .	.002-108-5-274
R-43	Carbon Resistor 820Kohm 1/8W J (Forming type) . . . . .	.002-108-5-824

**CIRCUIT
SYMBOL**

DESCRIPTION

**DYNASCAN
PART NO.**

RESISTORS

R-160	Carbon Resistor 1Mohm 1/8W J (Forming type)	002-108-5-105
R-3	Carbon Resistor 2.2Mohm 1/8W J (Forming type)	002-108-5-225
R-15	Carbon Resistor 220 ohm 1/8W J (P type)	002-108-5-221
R-301, 302	Carbon Resistor 330 ohm 1/8W J (Forming type)	002-108-5-331
R-304	Carbon Resistor 470 ohm 1/8W J (Forming type)	002-108-5-471
R-174	Carbon Resistor 560 ohm 1/8W J (Forming type)	002-108-5-561
R-126	Carbon Resistor 828 ohm 1/8W J (Forming type)	002-108-5-821
R-303	Carbon Resistor 1Kohm 1/8W J (Forming type)	002-108-5-102
R-151	Carbon Resistor 8.2K ohm 1/8W J (Forming type)	002-108-5-822
R-107	Cement Resistor 10 ohm 5W K	013-016-9-001
R-180	Metalized Resistor 56 ohm 2W K	011-125-9-001
R-112	Metalized Resistor 33 ohm 1W K	011-125-9-002
R-161	Metalized Resistor 56 ohm 1W K	011-125-9-003
R-113	Metalized Resistor 68 ohm 1W K	011-125-9-004
R-109	Metalized Resistor 22 ohm 1/2W K	011-125-9-005

CAPACITORS

C-77, 78, 79	Electrolytic Capacitor 0.47 μ 50V	022-122-9-016
C-35, 58, 98, 84, 126, 158, 199, 224, 226	Electrolytic Capacitor 1.00 μ 50V	022-144-9-001
C-55, 211	Electrolytic Capacitor 2.20 μ 25V	022-154-9-001
C-44, 67, 68, 88, 97, 218	Electrolytic Capacitor 4.70 μ 25V	022-122-9-003
C-42, 43, 63, 69, 87, 99, 120	Electrolytic Capacitor 10.00 μ 16V	022-142-9-001
C-92, 89	Electrolytic Capacitor 33.00 μ 16V	022-144-9-005
C-47, 49, 50, 66, 76, 59, 181	Electrolytic Capacitor 47.00 μ 10V	028-120-9-002
C-101	Electrolytic Capacitor 100.00 μ 10V	022-099-9-004
C-14	Electrolytic Capacitor 33 μ 10V	022-154-9-002
C102, 135, 402	Electrolytic Capacitor 220 μ 10V	022-154-9-003
C-81, 302	Electrolytic Capacitor 220 μ 16V	022-122-9-008
C-104	Electrolytic Capacitor 330 μ 10V	022-154-9-004
C-103	Electrolytic Capacitor 470 μ 10V	022-154-9-005
C-95	Electrolytic Capacitor 470 μ 16V	022-154-9-006
C-94, 107	Electrolytic Capacitor 1000 μ 16V	022-154-9-007
C-304	Electrolytic Capacitor 3300 μ 25V	022-154-9-008
C-52-60, 110, 39	Aluminium Capacitor 0.10 μ 16V M	033-027-9-001
C-17, 83, 80, 131, 200, 201, 210	Mylar Capacitor 0.01 μ 50V K	025-087-9-001
C-23, 51, 72, 74, 85	Mylar Capacitor 0.022 μ 50V K	025-071-9-002
C-18, 25, 26, 27, 29, 30 31, 40, 64, 121, 157, 194, 198, 303, 301, 85	Mylar Capacitor 0.039 μ 50V K	025-099-9-001
C-61, 62, 82, 91, 96, 153, 401, 231, 169	Mylar Capacitor 0.047 μ 50V K	025-118-9-001
C-71	Mylar Capacitor 0.068 μ 50V K	025-118-9-002
C-73, 75, 133, 134, 175, C-168	Mylar Capacitor 0.1 μ 50V K	025-118-9-003
C-117, 155	Ceramic Condenser 0.5P 50V C CH	020-161-9-001
C-32, 36, 37	Ceramic Condenser 1P 50V C CH	020-161-9-002
C-143	Ceramic Condenser 5P 50V D CH	020-177-9-001
C-150, 116, 130, 139, 154, C-111, 112	Ceramic Condenser 7P 50V D CH	020-177-9-002
C-90	Ceramic Condenser 10P 50V J CH	020-177-9-003
	Ceramic Condenser 18P 50V J CH	020-177-9-004
	Ceramic Condenser 22P 50V J CH	020-177-9-005

**CIRCUIT
SYMBOL**

DESCRIPTION

**DYNASCAN
PART NO.**

CAPACITORS

C-54-C236	Ceramic Condenser 33P 50V J CH	020-177-9-006
C1, 163	Ceramic Condenser 39P 50V J CH	020-177-9-008
C-45, 122, 123, 53	Ceramic Condenser 47P 50V J CH	020-177-9-007
C-174, 176	Ceramic Condenser 56P 50V J CH	020-177-9-009
C-93, 142, 164	Ceramic Condenser 68P 50V J CH	020-177-9-010
C-115	Ceramic Condenser 100P 50V K CH	020-177-9-011
C-184	Ceramic Candenser 120P 50V K CH	020-161-9-021
C-173	Ceramic Condenser 180P 50V K CH	020-177-9-012
C-165	Ceramic Capacitor 220P 50V K CH	020-177-9-013
C-232	Ceramic Capacitor 180P 50V K RH	020-177-9-014
C-38	Ceramic Capacitor 330P 50V K UJ	020-177-9-015
C-167	Ceramic Capacitor 390P 50V K UJ	020-177-9-016
C-170	Ceramic Capacitor 470P 50V K UJ	020-177-9-017
C-8	Ceramic Capacitor 100P 50V K SL	020-177-9-018
C-128, 137, 148,	Ceramic Capacitor 220P 50V K SL	020-177-9-019
C-125	Ceramic Capacitor 270P 50V K SL	020-177-9-020
C-127, 136, 147	Ceramic Capacitor 470P 50V K SL	020-177-9-021
C-7, 9, 24, 113, 114, 405, 406, 407, 408, 415, 416	Ceramic Capacitor 0.001 μ 50V K B	020-177-9-022
C-10, 11, 12, 13, 159, 160 161, 162, 166, 172, 171, 178, 183, 185, 186, 187, 188, 189, 225,	Ceramic Capacitor 0.0047 μ 50V KB	020-177-9-023
C-2, 4, 5, 6, 15, 16, 46, 119, 124, 129, 138, 149, 151, 152, 195, 190, 192, 204, 205, 207, 208, 209, 214, 237, 403, 404,	Ceramic Capacitor 0.01 μ 50V KB	020-177-9-024
		020-177-9-025
		020-177-9-026
C-19, 20, 21, 22, 28, 33, 34, 41, 57, 100, 105, 106, 109, 118, 146, 156, 193, 196, 197, 202, 203, 206, 215, 216, 217, 219, 220, 221, 223, 227, 228, 238, 414	Ceramic, Capacitor 0.022 μ 50V ZF	020-177-9-027
C-222, 213, 233	Ceramic Condenser 0.1 μ 50V Z ZF	020-161-9-029
CT-1, 2, 3, 4, 5, 6, 7,	Trimmer Condenser CV-020 20P	028-045-9-001
RR1	CR Components HA-004	527-077-9-001
CC1,2	CR Components HA-003	527-007-9-002

CRYSTALS

FT1	Crystal Filter FL-001	143-006-9-001
FT2	Crystal Filter FL-046	143-006-9-002
X-1	Crystal XQ-017 7.8025Mhz	133-015-9-001
X-2	Crystal QX-054 7.7975Mhz	133-015-9-002
X-3	Crystal QX-081 11.2858Mhz	133-015-9-003
X-4	Crystal QX-081 10.240Mhz	133-015-9-004
X-5	Crystal QX-080 10.240Mhz	133-015-9-005

499-105-9-001

**CIRCUIT
SYMBOL**

DESCRIPTION

**DYNASCAN
PART NO.**

CRYSTALS

X-6 Crystal QX-081 11.2850Mhz 133-015-9-006

MISCELLANEOUS

RL-1	Relay RL-023	441-017-9-001
SP-014	Speaker SP-401	580-025-9-001
M-401	Meter MT-076	320-086-9-001
M-402	Meter MT-077	320-086-9-002
MIC	Microphone MK-046	562-019-9-001
	Plug (MIC)	775-022-9-001
	Crystal Socket SK-001	749-095-9-001
	Riley Socket SK-018	749-095-9-002
J-401	Antenna Connector JK-068	772-037-9-001
J-402	Jack (Microphone) JK-058	773-073-9-001
J-406	Socket (DC Power) JK-052	749-095-9-003
J-403, 404	Jack (Speaker) JK-010	772-025-9-001
TP-013	Lug Board 1-0	345-031-9-001
TP-013	Lug Board 1-0-2	345-051-9-002
YY-051	Lug Terminal YY-051	744-027-9-001
S-408	Rotary Switch SR-157	083-221-9-001
S-402	Rotary Switch SR-168	083-222-9-001
S-405	Slide Switch SW-046	084-056-9-001
S-401, 403	Slide Switch SW-049	084-057-9-001
TP-1/2/3/4	Check Terminal TP-027	757-034-9-001
TP-5, 6, 7, 8, 9,	Check Terminal TP-019	757-034-9-002
	Fuse Holder FH-002	742-035-9-001
	Fuse FS-001 3A	191-251-3-003
PL-401	Pilot Lump PL-005 (Yellow)	400-045-9-001
PL-402	Pilot Lump PL-005 (Red)	400-045-9-002
YY-008	Cap Connector YY-008	763-083-9-001
	Cnap Bushing YY-024	380-280-9-001
	Snap Bushing YY-025	380-280-9-002
	Aluminium insulator YY-027	342-039-9-001
	Insulator for 2SC1618 YD-004-001	350-006-9-001
	Insulator for 2SC1618 YD-003-002	350-006-9-002
	Insulator for 2SD325E YD-003-003	350-006-9-003
	AC Cord WZ-022	420-027-9-001
	DC Cord W-070088	426-021-9-001
	Warranty (ARD)	491-138-9-001
	Instruction Booklet	480-198-9-001
	Service Station List	492-042-0-000
	Composite, Consisting of	499-105-9-001
	Schematic	488-186-9-001
	Parts List	488-186-9-002
	FCC License Application Form 505	492-041-9-001
	FCC Temporary License Form 555-B	492-046-9-001
	FCC Rules List 95	492-047-9-001
	Printed Circuit Board PC-176AA	302-234-9-001
	Printed Circuit Board PC-203AA	302-235-9-001
	Printed Circuit Board PC-006EB	302-236-9-001