

This Manual is provided by
CBTricks.com

Someone who wanted to help you repair your equipment put together this information.

Cobra 89XLR Owner's Manual Parts List

If you would like to help us put more manuals online support us.

If you would like to help with this project let us know.

Supporters of CBTricks.com paid for the hosting so you would have this file.

CBTricks.com is a non-commercial personal website was created to help promote the exchange of service, modification, technically oriented information, and historical information aimed at the Citizens Band, GMRS (CB "A" Band), MURS, Amateur Radios and RF Amps.

CBTricks.com is not sponsored by or connected to any Retailer, Radio, Antenna Manufacturer or Amp Manufacturer, or affiliated with any site links shown in the links database. The use of product or company names on my web site is not endorsement of that product or company.

If your company would like to provide technical information to be featured on this site I will put up on the site as long as I can do it in a non-commercial way.

The site is supported with donation from users, friends and selling of the Galaxy Service Manual CD to cover some of the costs of having this website on the Internet instead of relying on banner ads, pop-up ads, commercial links, etc. Thus I do not accept advertising banners or pop-up/pop-under advertising or other marketing/sales links or gimmicks on my website.

ALL the money from donations is used for CBTricks.com I didn't do all the work to make money (I have a day job). This work was not done for someone else to make money also, for example the ebay CD sellers.

All Trademarks, Logos, and Brand Names are the property of their respective owners.

This information is not provided by, or affiliated in any way with any radio or antenna Manufacturers.

Thank you for any support you can give.

For information on how to Support CBTricks.com

<http://www.cbtricks.com/support/>

BILL OF MATERIAL FOR COBRA 89XLR

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
IC, TRANSISTORS, & DIODES		
IC-3	Integrated Circuit, μ PD858C	307-095-9-004
IC-4	Integrated Circuit, MB84011-U	307-113-9-001
IC-5	Integrated Circuit, DE-087	307-113-9-002
IC-1	Integrated Circuit, μ PC1156H	307-112-9-001
IC-2	Integrated Circuit, μ PC592Hz	307-113-9-004
IC-6	Integrated Circuit, NJM78L05A	307-113-9-003
TR-2,12	F.E.T., 2SK55-D	182-045-9-001
TR-9	F.E.T., 3SK45-B	182-038-9-001
TR-18	F.E.T., 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-11,13,14,16, 17,21,203	Transistor, 2SC458-C	176-048-9-002
TR-8	Transistor, 2SC2076-CB	176-060-9-004
TR-7	Transistor, 2SC2091	176-074-9-002
TR-6	Transistor, 2SC2092	176-074-9-003
TR-15	Transistor, 2SA844-C	177-025-9-002
TR-20	Transistor, 2SA673-C	177-025-9-001
TR-201	Transistor, 2SC1061, NDN, Power	172-044-9-001
TR-202	Transistor, 2SC1419-C	176-055-9-004
D-1,2,3,7,10,14, 16,24	Diode, 1S2473 (Forming D type)	151-035-9-001
D-11,19,201,202, 203,204	Diode, SR1K-1	151-040-9-003
D-4,5,8,9,22,23	Diode, 1N60AM (Forming D type)	150-012-9-001
D-6,12,13	Diode, 1S2473-K (Forming D type)	151-066-9-001
D-206	Zenor Diode, WZ-071 (Forming D type)	152-075-9-001
D-17,18	Zenor Diode, CZ-092 (Forming D type)	152-082-9-001
D-205	Zenor Diode, BZ-162 (Forming D type)	152-057-9-001
D-304	Zenor Diode, BZ-052 (Forming D type)	152-082-002
D-15	Varicap Diode, 1S2339-G	029-016-9-001
D-301	Light Emitting Diode, TLR321	158-014-9-001
COILS & TRANSFORMERS		
L-1	Coil, LA-029	066-017-9-001
L-6	Coil, LA-163	060-022-9-001
L-2	Coil, LA-194	060-024-9-012
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

CIRCUIT
SYMBOL

DESCRIPTION

DYNASCAN
PART NO.

COILS & TRANSFORMERS (Continued)

L-10,15	Coil, LC-017	044-028-9-004
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-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
T-2	Choke Transformer, TF-017	044-028-9-006
T-1	Output Transformer, TF-107	061-031-9-001
T-301	Power Transformer, TF-103	065-134-9-001
L-301,302	Beads Core, LD-072	044-042-9-001
L-14	Beads Core, LD-075	763-081-9-001
L-25	Beads Core, LD-078	763-085-9-001
L-303,305,307, 309,313,314,315	Coil, LD-080	044-045-9-001

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-2,3,6	Semi-fixed Resistor, RV-133	50KB	008-308-9-005
VR-201	Semi-fixed Resistor, RV-133	500B	008-312-9-001
VR-1	Semi-fixed Resistor, RV-133	20KB	008-311-9-002
VR-302	Variable Resistor, RV-049	20KB	008-308-9-001
VR-305	Variable Resistor, RV-064	20KB	008-210-9-004
VR-303	Variable Resistor, RV-055	10KA	008-187-9-002
VR-307	Variable Resistor, RV-048	100KB	008-283-9-001
	Variable Resistor, RV-214	50KB-20KB	008-312-9-002
VR-301	Variable Resistor, RV-197	50KA	008-308-9-003

RESISTORS

R-43	Carbon Resistor	3.3 ohm	1/8W J (Forming R type)	002-108-5-339
R-15,44,119	Carbon Resistor	10 ohm	1/8W J (Forming R type)	002-108-5-100
R-42	Carbon Resistor	15 ohm	1/8W J (Forming R type)	002-108-5-150
R-47,49	Carbon Resistor	47 ohm	1/8W J (Forming R type)	002-108-5-470
R-16,45,51,74	Carbon Resistor	100 ohm	1/8W J (Forming R type)	002-108-5-101
R-38	Carbon Resistor	82 ohm	1/8W J (Forming R type)	002-108-5-820
R-5,8,11,19,39,52	Carbon Resistor	220 ohm	1/8W J (Forming R type)	002-108-5-221
R-20,304	Carbon Resistor	330 ohm	1/8W J (Forming R type)	002-108-5-331
R-10,64,117	Carbon Resistor	560 ohm	1/8W J (Forming R type)	002-108-5-561
R-3,4,103,204	Carbon Resistor	680 ohm	1/8W J (Forming R type)	002-108-5-681
R-203,205	Carbon Resistor	820 ohm	1/8W J (Forming R type)	002-108-5-821
R-1,14,58,61,69,90, 91,130,308	Carbon Resistor	1K ohm	1/8W J (Forming R type)	002-108-5-102
R-202	Carbon Resistor	1.2K ohm	1/8W J (Forming R type)	002-108-5-122
R-12,118	Carbon Resistor	1.5K ohm	1/8W J (Forming R type)	002-108-5-152
R-7,65,98,115,127	Carbon Resistor	2.2K ohm	1/8W J (Forming R type)	002-108-5-222
R-48	Carbon Resistor	2.7K ohm	1/8W J (Forming R type)	002-108-5-222
R-2,9,13,18,57,85, 88,110	Carbon Resistor	3.3K ohm	1/8W J (Forming R type)	002-108-5-332
R-35,72,73,92	Carbon Resistor	4.7K ohm	1/8W J (Forming R type)	002-108-5-472
R-104	Carbon Resistor	5.6K ohm	1/8W J (Forming R type)	002-108-5-562
R-29,128	Carbon Resistor	6.8K ohm	1/8W J (Forming R type)	002-108-5-689

**CIRCUIT
SYMBOL**

DESCRIPT' JN

**DYNASCAN
PART NO.**

RESISTORS (Continued)

R-6,17,50,59,84, 89,95,97,105, 106,114,123, 124,129	Carbon Resistor 10K ohm	1/8W J (Forming R type)	002-108-5-103
R-94,96	Carbon Resistor 15K ohm	1/8W J (Forming R type)	002-108-5-153
R-21,28,108,125	Carbon Resistor 22K ohm	1/8W J (Forming R type)	002-108-5-223
R-40-54,93,135	Carbon Resistor 33K ohm	1/8W J (Forming R type)	002-108-5-333
R-71	Carbon Resistor 47K ohm	1/8W J (Forming R type)	002-108-5-473
R-23	Carbon Resistor 56K ohm	1/8W J (Forming R type)	002-108-5-563
R-55	Carbon Resistor 68K ohm	1/8W J (Forming R type)	002-108-5-683
R-24,26,53,56, 75,102,107,109,132	Carbon Resistor 100K ohm	1/8W J (Forming R type)	002-108-5-104
R-66	Carbon Resistor 150K ohm	1/8W J (Forming R type)	002-108-5-154
R-25	Carbon Resistor 180K ohm	1/8W J (Forming R type)	002-108-5-184
R-86,122	Carbon Resistor 220K ohm	1/8W J (Forming R type)	002-108-5-224
R-22,70	Carbon Resistor 330K ohm	1/8W J (Forming R type)	002-108-5-334
R-67	Carbon Resistor 470K ohm	1/8W J (Forming R type)	002-108-5-474
R-68	Carbon Resistor 1.5M ohm	1/8W J (Forming R type)	002-108-5-155
R-87	Carbon Resistor 2.2M ohm	1/8W J (Forming R type)	002-108-5-225
R-60	Carbon Resistor 10K ohm	1/4W J (U type).....	002-104-5-103
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).....	002-102-5-101
R-201	Carbon Resistor 220 ohm	1/2W J (P type).....	002-102-5-221
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 82 ohm	1W K	013-015-9-001
R-307	Metalized Resistor 150 ohm	2W K	013-019-9-001
R-127	Metalized Resistor 200 ohm	2W K	013-015-9-002
RR-301,302	Composite Parts HA-008		527-076-9-002
RR-1	Composite Parts HA-006		527-076-9-001

CAPACITORS

C-112	Electrolytic Condenser	0.47 μ	50V	022-122-9-016
C-27,163	Electrolytic Condenser	1 μ	50V	022-144-9-001
C-165	Electrolytic Condenser	2.2 μ	50V	022-156-9-001
C-16,97	Electrolytic Condenser	2.2 μ	25V	022-153-9-001
C-15	Electrolytic Condenser	47 μ	25V	022-122-9-003
C-162	Electrolytic Condenser	100 μ	25V	022-155-9-002
C-204	Electrolytic Condenser	2200 μ	25V	022-156-9-002
C-110	Electrolytic Condenser	2.2 μ	16V	022-156-9-003
C-24,42,88,118,123	Electrolytic Condenser	10 μ	16V	022-142-9-001
C-98,101,117	Electrolytic Condenser	33 μ	16V	022-144-9-004
C-49	Electrolytic Condenser	47 μ	16V	022-156-9-004
C-159	Electrolytic Condenser	100 μ	16V	022-099-9-005
C-105,106,147,205	Electrolytic Condenser	220 μ	16V	022-122-9-008
C-119	Electrolytic Condenser	470 μ	16V	022-099-9-006
C-127	Electrolytic Condenser	10 μ	10V	022-156-9-005
C-158	Electrolytic Condenser	100 μ	10V	022-099-9-004
C-142,144	Electrolytic Condenser	470 μ	6.3V	022-122-9-014
C-137,138	Tantal Condenser	2.2 μ	16V M	027-024-9-001
C-93,111,113,120	Aluminum Condenser	0.1 μ	10V M	033-029-9-001
C-95,140	Aluminum Condenser	0.22	10V M	033-029-9-002
C-89,90	Mylar Condenser	0.001 μ	50V K	025-074-9-003
C-96	Mylar Condenser	0.01 μ	50V K	025-087-9-001
C-19,104,141,146	Mylar Condenser	0.022 μ	50V K	025-071-9-002
C-116	Mylar Condenser	0.039 μ	50V K	025-099-9-001

**CIRCUIT
SYMBOL**

DESCRIPTION

**DYNASCAN
PART NO.**

CAPACITORS (Continued)

C-22,100,102	Mylar Condenser	0.068 μ	50V	K	.....	025-060-9-002
C-25,26,29,51 70,121,125	Ceramic Condenser	0.0047 μ	25V	Z	YB.....	020-178-9-018
C-5	Ceramic Condenser	1.5P	50V	C	CH.....	020-178-9-001
C-132	Ceramic Condenser	3P	50V	C	RH.....	020-109-9-003
C-18	Ceramic Condenser	2P	50V	C	RH.....	020-176-9-003
C-153	Ceramic Condenser	7P	50V	C	RH.....	020-179-9-001
C-134	Ceramic Condenser	15P	50V	J	RH.....	020-176-9-005
C-43	Ceramic Condenser	56P	50V	J	RH.....	020-176-9-007
C-69	Ceramic Condenser	330P	50V	J	RH.....	020-176-9-009
C-2	Ceramic Condenser	22P	50V	J	RH.....	020-176-9-006
C-129	Ceramic Condenser	47P	50V	J	RH.....	020-178-9-004
C-72	Ceramic Condenser	100P	50V	J	RH.....	020-178-9-005
C-11	Ceramic Condenser	5P	50V	C	SL.....	020-109-9-010
C-148,150	Ceramic Condenser	22P	50V	K	SL.....	020-097-9-006
C-115,303	Ceramic Condenser	33P	50V	K	SL.....	020-125-9-001
C-103	Ceramic Condenser	68P	50V	K	SL.....	020-148-9-001
C-48	Ceramic Condenser	2P	50V	K	SL.....	020-176-9-003
C-53,72,91,92	Ceramic Condenser	100P	50V	K	SL.....	020-109-9-008
C-151	Ceramic Condenser	150P	50V	K	SL.....	020-179-9-002
C-58,301	Ceramic Condenser	180P	50V	K	SL.....	020-179-9-003
C-57,99	Ceramic Condenser	220P	50V	K	SL.....	020-109-9-013
C50,60,114	Ceramic Condenser	330P	50V	K	SL.....	020-176-9-011
C-28,40,73,86,87, 122,126,131,149 401	Ceramic Condenser	0.001 μ	25V	Z	YB.....	020-178-9-017
C-1,3,4,6,8,9, 10,21,30,34,41,44, 45,62,63,64,65,66, 68,71,74,76,77,79, 80,81,82,83,84,107, 124,128,85,133,135, 136,139,143,145,152, 154,157,160,161,164, 167,201,202,203,207, 208,402,403,404	Ceramic Condenser	0.01 μ	25V	Z	YG.....	020-165-9-004
C-7,59,67	Ceramic Condenser	0.022 μ	25V	Z	YG.....	020-179-9-004
C-13,14,20,23, 47,52,61,206	Ceramic Condenser	0.039 μ	25V	Z	YG.....	020-178-9-022
C-12,78,302	Ceramic Condenser	0.047 μ	25V	Z	YG.....	020-178-9-022
VC-1	Trimmer Condenser	CV-024	40P	.....	.....	028-046-9-001
CC-1,2,	Composite Parts	HA-003	.....	.....	.....	527-076-9-003

CRYSTALS

X-2	Crystal,QX-077	10.240MHz	.....	133-014-9-001
X-1	Crystal,QX-078	10.695MHz	.....	133-014-9-002
X-3	Crystal,QX-079	36.570MHz	.....	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-151	.....	083-223-9-001
S-302,304A-B	Slide Switch, SW-048	.....	084-055-9-001
S-303A-B	Slide Switch, SW-049	.....	084-058-9-001
	Cap Connector, YY-008	.....	763-085-9-002

**CIRCUIT
SYMBOL**

DESCRIPTION

**DYNASCAN
PART NO.**

MISCELLANEOUS (Continued)

PL-301,302	Pilot Lamp, PL-005	401-020-9-001
SP-301	Speaker, SP-014	580-015-9-001
M-301	Meter, MT-083	320-088-9-001
M-302	Meter, MT-085	320-089-9-001
	Microphone, MK-057	562-018-9-001
J-301	M type Jack, JK-035	773-080-9-001
J-401	Jack for Microphone, JK-058	773-073-9-001
J-306	3 F Consent	762-020-9-001
J-303,304	Jack for PA, JK-010	772-025-9-001
	Insulation Sheet for TR 2SC2091	345-050-9-001
	Insulation Sheet for TR 2SC2092	345-050-9-002
	2SC1061	
	Insulation Sheet for IC μ PC1156H	345-050-9-003
F-1	Flat Cable, WF-007	426-022-9-001
T-1,3,4,5,6,9	Test Terminal, TP-029	757-033-9-001
	Fuse Holder, FH-009	742-025-9-001
F-2	Fuse, FS-001 1A	191-251-3-001
F-1	Fuse, FS-001 2A	191-251-3-002
	Wire Clamp, YY-047	380-278-9-001
	Lead Clamp, YY-048	380-284-9-001
	Lead Clamp, YY-049	380-284-9-002
	AC Power Cord, WZ-001	420-001-9-009
	DC Power Cord WD-070088	427-022-9-001
	Chassis	257-092-9-001
	Back Panel	262-017-9-001
	Bonnet	253-057-9-001
	Bottom Metal Board	252-022-9-001
	Switch Holder	251-206-9-001
	Panel Holder (right)	251-207-9-001
	Panel Holder (left)	251-208-9-001
	Holder for Power Transformer	251-173-9-003
	Lamp Holder	251-209-9-001
	Lamp Bracket	251-173-9-002
	Heat Sink for Integrated Circuit	747-052-9-001
	Heat Sink for Power Transistor	747-052-9-002
	Microphone Hanger	741-074-9-001
	Shield Board	763-082-9-001
	Front Panel	255-151-9-001
	Knob Vol	751-095-9-002
	Knob for SWR/CAL	751-147-9-001
	Knob for RF Gain	751-147-9-002
	Channel Knob	751-147-9-003
	Control Plate	260-113-9-001
	Brand Plate	260-113-9-002
	FCC Plate	260-113-9-003
	Transmitter Card	492-044-9-001
	Serial No. Label	- NA -
	Production No. Seal	- NA -
	Warning Label	484-035-9-001
	Digital Window Seal	763-085-9-003
	Insulation Board	342-040-9-001

499-103-9-001

DESCRIPTION	DYNASCAN PART NO.
MISCELLANEOUS (Continued)	
Speaker Net	763-085-9-004
Rubber Washer	347-072-9-001
Wool Tac 91 mm W x 13 mm L	769-086-9-001
Wool Tac 190 mm W x 10 mm L	769-096-9-001
Wool Tac 330 mm W x 10 mm L	769-096-9-002
Meter Cushion	769-096-9-003
Chobert Rivet	733-023-9-001
Rubber Foot	381-079-9-001
Cord Stopper	380-267-9-001
Spring for SWR/CAL Knob	763-084-9-003
Spring for RF Gain Knob	763-085-9-005
Spring for Channel Knob	763-084-9-004
Lug Terminal	345-052-9-001
Bind Screw M2x4 Ni PBH NPL Mach. Sc	634-069-9-002
Bind Screw M2.6 x 4 Ni PBH NPL	634-073-9-001
Mach. Screw	
+Bind Screw M3x6 Ni PBH NPL	634-053-9-001
Mach. Screw	
+Bind Screw M4x10 Ni PBH NPL	634-084-9-001
Mach. Screw	
+Bind Screw M5x10 Ni PBH NPL	634-077-9-002
Mach. Screw	
+Bind Screw M3x6 PBH Mach. Screw	634-084-9-002
Bind Tap Tight M3x6 Ni + PBH	710-021-9-004
Bind Tap Tight M3x14 Ni + PBH	710-032-9-001
Bind Tapping Screw 3φ x 8	710-032-9-002
Bind Tapping Screw 3φ x 10	710-019-9-001
Tapping 3.5φ x 8 ZMC PBH SM	710-021-9-001
Chromated (Type BT)	
Nut M4 with Celede ZMC Hex	653-037-9-001
Spring Nut 3φ	653-024-9-002
Plain Washer 3φ	724-021-9-001
Rugged Washer 3.5φ	731-041-9-001
Styrofoam Box (left)	503-130-9-001
Styrofoam Box (right)	503-130-9-002
Display Box	500-310-9-001
Double Carton	500-311-9-001
Instruction Manual	480-197-9-001
Composite consisting of Schematic parts list	499-103-9-001
Service Station Card	492-042-0-000
FCC License Application Form	492-041-9-001
FCC Temporary License Form	492-046-9-001
Warranty Card	491-138-9-001
Part 95 of the Commissions Rules	492-047-9-001
Switch Stopper	763-085-9-006
Special Information Sheet-Sana's Requirement	496-110-9-001
Printed Circuit Board PC-198-AA	302-238-9-001
Flexible PC Board PC-206AA	302-241-9-001
PC Board for AC power supply PC-191AA	302-242-9-001
PC Board for Microphone PC-181AA	302-239-9-001