



SCHEMATIC
COBRA 135
488-116-9-001

NOTE
 All resistors are in ohms and 1/8W unless otherwise noted.
 All mylarfilm capacitors indicated as 0.033 etc are in μ F.
 All ceramic capacitors indicated as 22 etc are in PF.
 All ceramic capacitors of this mark (—|—) are 4700PF unless otherwise noted.
 All ceramic capacitors of this mark (*|—) are 2200PF unless otherwise noted.
 All diodes of this mark (—|>) are 1S1555 unless otherwise noted.

COBRA 135 PARTS LIST

488-000-9-11-11-11

SCHEMATIC SYMBOL	DESCRIPTION	DYNASCAN PART NO.
C14,15,32,40,41,51,52,54,59,62,71,72,75,76,78,79,81,111,120,137,138,140,188~192,194,216,219,301,302,402,405,406	Ceramic YR 2200pF 50V	020-088-9-007
C21	Ceramic N750 10pF 50V	020-097-9-003
C57	Ceramic SL 2pF 50V	020-097-9-004
C58,80,85,336,337	Ceramic SL 1pF 50V	020-097-9-005
C83,101,135,403,404	Ceramic SL 22pF 50V	020-097-9-006
C77,98	Ceramic SL 5pF 50V	020-097-9-007
C117	Ceramic SL 15pF 50V	020-097-9-008
C119,303	Ceramic N220 68pF 50V	020-088-9-001
C126,143,145	Ceramic SL 100pF 50V	020-088-9-004
C134	Ceramic SL 220pF 50V	020-087-9-009
C136,139	Ceramic SL 10pF 50V	020-097-9-010
C14	Ceramic SL 47pF 50V	020-097-9-011
C304,333	Ceramic N220 47pF 50V	020-088-9-002
C1,7,20,310,312,314,316,322,324,326,328	Ceramic Variable 20pF 50V	028-026-9-001
C116	Ceramic Variable 30pF 50V	028-026-9-002
C73,90~93,132,179,184	Mylar-Film 0.033μF 50V	025-060-9-003
C98,162	Mylar-Film 0.01μF 50V	025-060-9-001
C171	Mylar-Film 0.015μF 50V	025-071-9-001
C175	Mylar-Film 0.022μF 50V	025-071-9-002
C152,187,193	Tantalum 33μF 3V	027-005-9-001
C165	Tantalum 100μF 3V	027-007-9-001
C141,151,154,157,160,164,166~168,170,173,174,177,178,183,196,197,401	Electrolytic 1μF 50V	022-076-9-001
C142,169,195,211,501	Electrolytic 33μF 16V	022-076-9-005
C158,163,199,307	Electrolytic 10μF 16V	022-076-9-003
C210	Electrolytic 100μF 16V	022-091-9-001
C213	Electrolytic 470μF 25V	022-076-9-007
C502	Electrolytic 4700μF 25V	022-092-9-001
C95	Electrolytic (Non-Polar) 3.3μF 6V	034-005-9-001
C96	Electrolytic (Non-Polar) 1μF 6V	034-005-9-002

COILS, CHOKES AND TRANSFORMERS

SCHEMATIC SYMBOL	DESCRIPTION	DYNASCAN PART NO.
T1	RF Transformer L1786	066-015-9-001
T2	RF Transformer L1787	066-015-9-002
T3	RF Transformer L1785	066-015-9-003
T4,5,9	RF Transformer L1641	066-013-9-002
T6,14	RF Transformer L1505	066-013-9-009
T7	RF Transformer L1790	066-015-9-004
T8	RF Transformer L1789	066-015-9-005
T10,11	RF Transformer L1788	066-015-9-006
T12,13	IF Transformer D10753	060-014-9-004

RESISTORS, CONTROLS AND THERMISTORS

SCHEMATIC SYMBOL	DESCRIPTION	DYNASCAN PART NO.
R113,231	Carbon Fixed 22Ω 1/4W	R113,231
R119,128,140	Carbon Fixed 47Ω 1/4W	R119,128,140
R122	Carbon Fixed 220Ω 1/4W	R122
R123	Carbon Fixed 330Ω 1/4W	R123
R131	Carbon Fixed 100Ω 1/4W	R131
R139	Carbon Fixed 68Ω 1/4W	R139
R197	Carbon Fixed 0.5Ω 1/4W	R197
R232	Carbon Fixed 470Ω 1/4W	R232
R507	Carbon Fixed 1Ω 1/4W	R507
R146	Carbon Fixed 1KΩ 1/2W	R146
R129	Solid Fixed 120Ω 1/2W	R129
R235~237,239	Solid Fixed 33Ω 1/4W	R235~237,239
R238	Solid Fixed 22Ω 1/2W	R238
R506	Solid Fixed 2.2MΩ 1/2W	R506
R234	Wire Wound Fixed 39Ω 3W	R234
R23	Semi-Fixed (Pot.) 5KΩ	R23
R169,204	Semi-Fixed 10KΩ	R169,204
R121,130	Semi-Fixed 1KΩ	R121,130
R136,502	Semi-Fixed (Pot.) 1KΩ	R136,502
R310,401	Semi-Fixed 100KΩ	R310,401
R91	Semi-Fixed 50KΩ	R91
R73,207,313	Variable 20KΩ	R73,207,313
R181	Variable 50KΩ	R181
R402	Variable 50KΩ with IC-2P switch	R402
R126	Thermistor D22A	R126
R134	Thermistor D61A	R134
R203,314,319	Thermistor D33A	R203,314,319

CAPACITORS AND TRIMMERS

C2,8,309,311,313,315,321,323,325,327	Ceramic N220 33pF 50V	020-097-9-002
C3,9,99,127,133,317,329	Ceramic SL 150pF 50V	020-097-9-002
C4,10,100,318,330	Ceramic N220 100pF 50V	020-088-9-003
C5,11,305,319,331	Ceramic NPO 15pF 50V	030-034-9-001
C6,12,13,16~19,31,33~39,53,55,56,60,61,74,82,84,86,87,94,102,103,112~115,118,121,123,125,128~131,148~150,153,155,156,159,161,176,185,198,200~202,212,214~217,220,306,308,320,332,334,335,339,503,504,97,104,180,181,406	Ceramic YR 4700pF 50V	020-088-9-000

SCHEMATIC SYMBOL	DESCRIPTION	DYNASCAN PART NO.
T15	RF Transformer L1511	066-013-9-010
T16	RF Transformer L1791	066-015-9-007
T17	AF Driver Transformer	068-005-9-001
T18	AF Output Transformer	061-021-9-001
T301~303	RF Transformer L1784	066-015-9-008
T501	Power Transformer	065-076-9-001
L1,2,4,6,7,10	RF Choke Coil L1122	042-009-9-001
L3	RF Output L1101	044-023-9-002
L5,9	RF Coil L1792	041-054-9-001
L8	RF Coil L1793	041-054-9-002
L11	AF Choke Coil	042-010-9-001
L301	RF Coil L1794	041-054-9-003

COILS, CHOKES AND TRANSFORMERS (Continued)

SCHEMATIC SYMBOL	DESCRIPTION	DYNASCAN PART NO.
Q1	25C372 NPN Silicon	176-029-9-001
Q1~7,9,10,12~15,27,28,33,37,38,301~304,501	25K19 FET	182-009-9-001
Q8	25C785 NPN Silicon	176-037-9-001
Q11	25C1166 NPN Silicon	176-029-9-002
Q16,19,23	25C482 NPN Silicon	172-009-9-001
Q17	25C1173 (RF) or 25C1237 NPN Power Silicon	172-013-9-001
Q18	25A562 PNP Silicon	177-006-9-002
Q20~22	25C732 NPN Silicon	176-031-9-002
Q24,25	25A495 PNP Silicon	177-006-9-001
Q26	25C733 NPN Silicon	176-037-9-003
Q29,30	25C735 NPN Silicon	176-031-9-001
Q31,32	25D235 or 25C1173 (AF) NPN Power Silicon	172-010-9-001
Q34,503		
Q35,36,39,502		
CD1~5,10~18,21,22,25~32,34,37,39~46,301~306,309,310,401,402	IN60	151-030-9-001
CD6~9,23,24,35,36,38,52	M8513A	151-034-9-001
CD19,20,47		
CD33,48,49,51,502~506	IS1885	151-030-9-005
CD50	02Z8,2A	152-042-9-001
CD307	IS1658	151-030-9-004
CD308,501	02Z6,8A	152-042-9-002

CRYSTALS

SCHEMATIC SYMBOL	DESCRIPTION	DYNASCAN PART NO.
X1	Crystal 7.7965 MHz	132-006-9-001
X2	Crystal 7.8015 MHz	132-006-9-002
X3	Crystal 7.3435 MHz	132-006-9-003
X301	Crystal 11.705 MHz	132-006-9-004
X302	Crystal 11.735 MHz	132-006-9-005
X303	Crystal 11.805 MHz	132-006-9-006
X304	Crystal 11.855 MHz	132-006-9-007
X305	Crystal 11.905 MHz	132-006-9-008
X306	Crystal 11.955 MHz	132-006-9-009

NOTE: Standard value resistors and capacitors are not listed, values may be obtained from schematic diagram.
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.