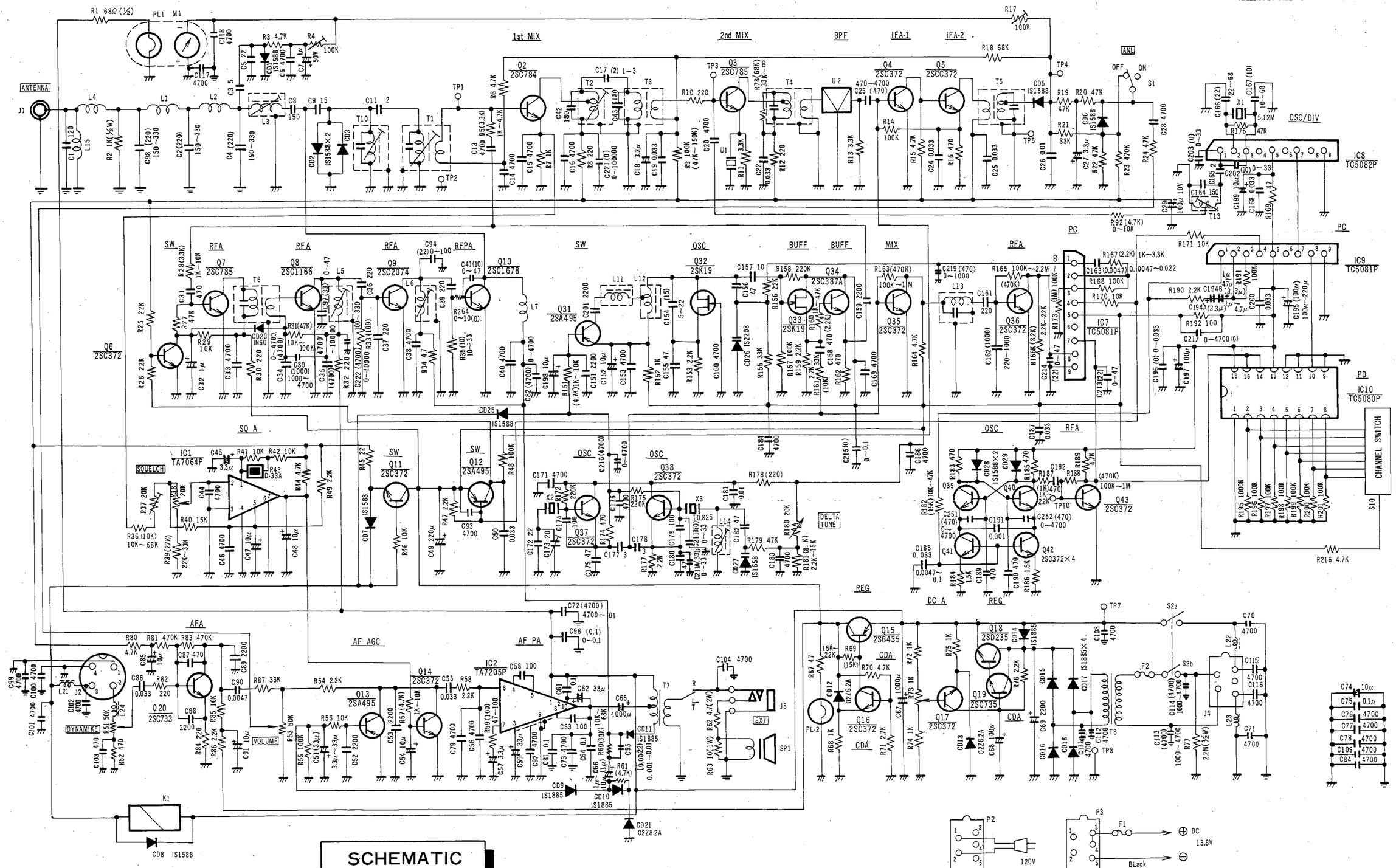

SCHEMATIC DIAGRAM

COBRA 86 XLR

NOTE
All resistors are in ohms.
All mylarfilm capacitors indicated as 0.033 etc, are in μF.
All ceramic capacitors indicated as 22 etc, are in PF.

SCHEMATIC SYMBOL	DESCRIPTION	DYNASCAN PART NO.
J1	Antenna Connector	772-002-9-001
J2	Microphone Connector	773-057-9-001
J3	EXT. Sp Jack	773-084-9-001
J4	Power Connector	773-039-9-003
K1	Relay, C-DC12V	441-010-9-001
M1	DC Ammeter	320-065-9-001
MK1	Dinamic Microphone	562-003-9-001
MK1A	Dinamic Microphone with P1	562-022-9-001
PL1	Meter Lamp	400-023-9-001
PL2	CH. Lamp	400-044-9-001
SP1	Speaker	580-017-9-001
U1	Ceramic Bypass Filter	140-010-9-001
U2	Ceramic Filter, LFB-4	140-010-9-002
P1	Microphone Plug	775-029-9-001
P2	AC Power Cord	420-014-9-002
P3	DC Power Cord	420-014-9-001
PL1A	Lamp Socket	752-008-9-001
F1	Fuse, 2A	191-251-3-002
F2	Fuse, 0.5A	191-251-3-102
FS1	Fuse Holder, DC	742-022-9-001
FS2	Fuse Holder, AC	742-028-9-001
	Microphone Clip	763-033-9-001
	Shield Washer for 2SD235 and 2SC1678	347-056-9-001
	Shield Spacer for 2SD235 and 2SC1678	759-057-9-001

MISCELLANEOUS

NOTE: Standard value resistors and capacitors are not listed, values may be obtained from schematic diagram.
Specify serial number when ordering replacement parts.

COBRA 86XLR PARTS LIST

SCHEMATIC SYMBOL	DESCRIPTION	DYNASCAN PART NO.
	RESISTORS, CONTROLS AND THERMISTORS	
R1	Solid, 68 ohm, 1/2W	002-102-5-680
R2	Solid, 1 Kohm, 1/2W	001-102-5-102
R4, 17	Semi-Fixed, 100 Kohm	002-104-5-104
R37	Semi-Fixed, 20 Kohm	008-206-9-007
R38, 180	Variable, 20 Kohm	008-300-9-002
R43	Thermistor D-33A	004-099-9-002
R51	Variable, 50 Kohm	008-300-9-004
R53	Variable, 50 Kohm with 2C-2P Switch	008-326-9-001
R62	Resistor, 4.7 ohm 2W	013-027-9-001
R63	Resistor, 10 ohm 1W	013-007-9-002
R73	Semi Fixed, 1 Kohm	008-206-9-010
R77	Solid, 2.2 Mohm 1/2W	002-102-5-225
R61, 92	Solid, 4.7 Kohm 1/4W	002-104-5-472
R156	Solid, 22 Kohm 1/4W	002-104-5-223
	CAPACITORS AND TRIMMERS	
C1	Ceramic, SL 120 pF/45V	020-157-9-004
C2, 4, 36, 37, 39, 98,	Ceramic, SL 220 pF/45V	020-097-9-009
C3	Ceramic, SL 5 pF/45V	020-097-9-007
C5, 213, 214, 94	Ceramic, SL 22 pF/45V	020-097-9-006
C6, 13, 14, 15, 16, 20, 28, 32~35, 38, 40, 44, 46, 56, 70 ~73, 76~79, 82, 92, 93, 99~102 104, 107~109 111~112, 115~118, 153, 169, 171, 176, 183, 184, 186, 216~218	YR 4700 pF/45V	020-088-9-008
C7, 66	Electrolytic, 1μF/50V	022-076-9-001
C8	Ceramic, SL 150 pF/45V	020-097-9-002
C9	Ceramic, RH 15 pF/45V	020-157-9-001
C11, 17, 165	Ceramic, SL 2 pF/45V	020-097-9-004
C18, 27, 45	Electrolytic, 3.3 μF/50V	022-076-9-002
C19, 22, 24, 25, 50, 55, 86, 168, 187, 188, 196, 200,	Mylar Film, 0.033μF/50V	025-040-9-003
C26, 181	Mylar Film, 0.01μF/50V	025-060-9-001
C29, 195, 197	Electrolytic, 100 μF/10V	022-076-9-010
C31, 87, 103, 158, 189, 190, 192, 219, 251, 252, 23	Ceramic, YR 470 pF/45V	020-097-9-022

SCHEMATIC SYMBOL	DESCRIPTION	DYNASCAN PART NO.
	COILS, CHOKES AND TRANSFORMERS (continued)	
T1	RF Transformer, 25103	066-030-9-001
T2, 3, 13	RF Transformer, 25088	066-026-9-002
T4, 5	IF Transformer, DI0753	040-014-9-004
T6	RF Transformer 25089	066-026-9-003
T7	AF Transformer	061-029-9-001
T8	Power Transformer	065-132-9-001
T10	RF Transformer, 25102	066-032-9-001
	DIODES, TRANSISTORS AND INTEGRATED CIRCUITS	
IC1	TA7064P (I.C.)	307-107-9-001
IC2	TA7205P (I.C.)	307-107-9-003
IC7, 9	TC5081P (I.C.)	307-107-9-004
IC8	TC5082P (I.C.)	307-107-9-005
IC10	TC5080P (I.C.)	307-107-9-006
CD1~3, 5~8, 25 28, 29	IS1588 (Diode)	151-051-9-001
CD9~11, 14~18	IS1885 (Diode)	151-030-9-005
CD20	IN60 (Diode)	150-001-9-005
CD12, 13	02Z6.2A (Diode)	152-047-9-004
CD21	02Z8.2A (Diode)	157-009-9-001
CD26	1S2789	153-009-9-001
CD27	1S1658FA2Vari Cap (Diode)	151-030-9-004
Q2	2SC784-R (Transistor)	176-056-9-001
Q3, 7	2SC785-R (Transistor)	176-056-9-003
Q4~6, 11, 14, 16, 17, 35~43	2SC372-Y (Transistor)	176-042-9-003
Q8	2SC1166-Y (Transistor)	176-056-9-005
Q9	2SC2074-Y (Transistor)	176-070-9-001
Q10	2SC1678 (Transistor)	172-028-9-001
Q12, 13, 31	2SA495-O (Transistor)	177-019-9-003
Q15	2SB435-O (Transistor)	177-023-9-001
Q18	2SD235-O (Transistor)	172-031-9-003
Q19	2SC735-O (Transistor)	176-031-9-001
Q20	2SC733-Y (Transistor)	176-037-9-003
Q32, 33	2SK19-GR (Transistor)	182-029-9-001
Q34	2SC387A (Transistor)	176-044-9-003
	CRYSTALS	
X1	Crystal, 15283	133-012-9-001
X2	Crystal, 15285	133-012-9-002
X3	Crystal, 15284	133-012-9-003
	SWITCHES (Continued)	
S1	Lever Switch (ANL)	084-054-9-001
S10	Rotary Switch (CH)	083-217-9-001

SCHEMATIC SYMBOL	DESCRIPTION	DYNASCAN PART NO.
	CAPACITORS AND TRIMMERS (Continued)	
C32, 47, 48, 54, 85, 91, 152, 198, 199	Electrolytic, 10 μF/16V	022-076-9-003
C42, 43	Ceramic, TH 180 pF/45V	020-088-9-005
C49	Electrolytic, 220 μF/10V	022-076-9-010
C51	Tantalum, 33 μF	027-005-9-001
C52, 53, 88, 89, 151, 159, 201	Ceramic, YR 2200 pF/45V	020-088-9-007
C57, 194A, 194B	Tantalum, 3.3 μF	027-020-9-001
C58, 63, 174, 179	Ceramic, SL 100 pF/45V	020-088-9-004
C59, 62	Electrolytic, 33 μF/16V	022-074-9-005
C61, 64, 75, 81, 96, 74, 222	BC Capacter 0.1μF/12V	033-017-9-001
C65	Electrolytic, 1000 μF/25V	022-150-9-002
C67	Electrolytic, 1000 μF/16V	022-150-9-003
C68	Electrolytic, 100 μF/16V	022-091-9-001
C69	Electrolytic, 2200 μF/25V	022-129-9-001
C90, 163,	Mylar Film, 4700 pF/50V	020-173-9-008
C97	Ceramic, SL 33 pF/45V	020-157-9-103
C154	Ceramic, TH 15 pF/45V	020-170-9-002
C155, 156, 182	Ceramic, UJ 47 pF/45V	020-173-9-014
C157	Ceramic, UJ 10 pF/45V	020-097-9-003
C161	Ceramic, YR 220 pF/45V	020-191-9-001
C162, 80	Ceramic, YR 1000 pF/45V	020-125-9-006
C164	Ceramic, TH 150 pF/45V	020-173-9-005
C166,	Ceramic, RH 22 pF/45V	020-157-9-002
C173	Trimmer ECV1ZW 20 x 53	028-026-9-001
C175, 180	Ceramic, SL 47 pF/45V	020-097-9-011
C177, 178, 212	Ceramic, SL 3p/45V	020-097-9-014
C191	Mylar Film, 1000 pF/50V	025-112-9-002
C202, 203, 41	Ceramic, SL 10 pF/45V	020-097-9-010
C211	Ceramic, RH 33 pF/45V	020-097-9-001
C113, 114	Ceramic, UL 1000pF/120V AC	020-174-9-002
C95	Mylar, 2200 pF/50V	025-131-9-001
C167	Ceramic, RH 10 pF/50V	020-188-9-002
	COILS, CHOKES AND TRANSFORMERS	
L1, 2	RF Coil, L1904-G1	044-025-9-005
L3	RF Coil, 25106	041-097-9-001
L4	RF Coil, L1904-G2	044-025-9-005
L5, 6, 11	RF Coil, 25082	041-084-9-001
L7	RF Coil, L1998	042-013-9-002
L12	RF Coil, 25085	041-084-9-002
L13	RF Coil, 25090	041-084-9-003
L14	RF Coil, 25086	041-084-9-004
L15	RF Coil, L1122	042-009-9-001
L21, 24	Choke Coil, L1447	042-027-9-002
L22, 23	RF Choke Coil	042-027-9-003