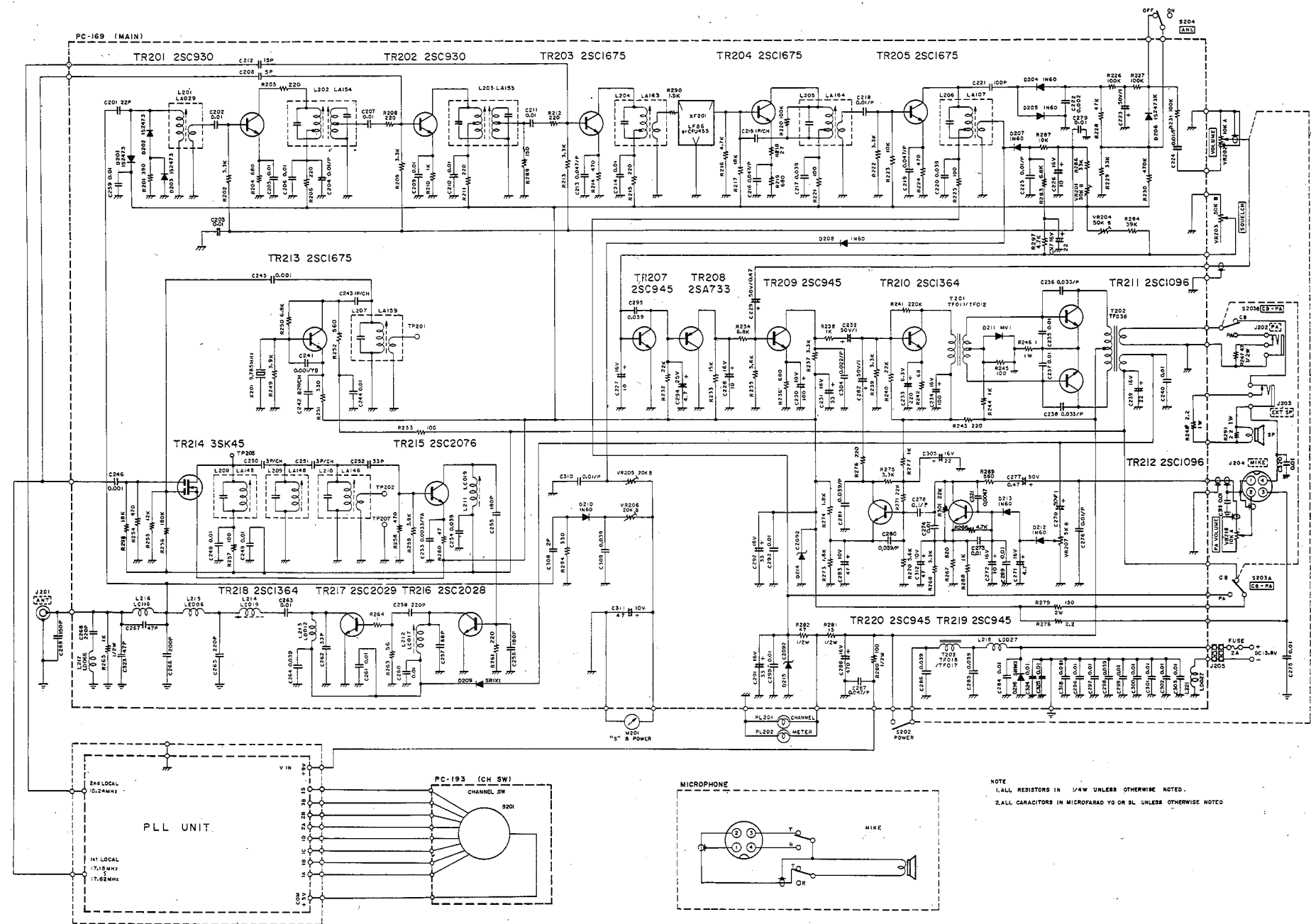
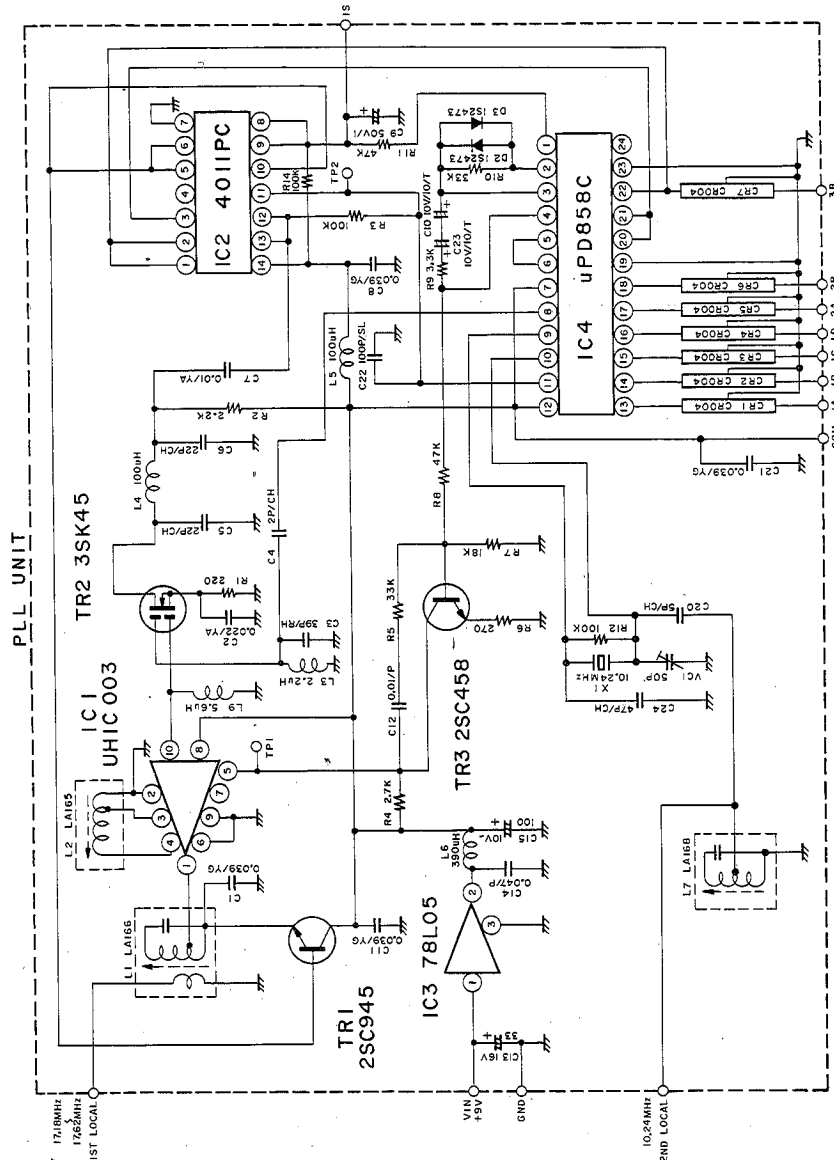


MAIN CIRCUIT DIAGRAM FOR COBRA 77X



PLL UNIT CIRCUIT DIAGRAM FOR COBRA 77X



PART NO.

T-203
T-201
T-202

VR-205,206
VR-201,204
VR-207
VR-208
VR-202
VR-203

R-246
R-248
R-291
R-279
R-281
R-282,247
R-280
R-265
R-297
R-283
R-287
R-232
R-264
R-278
R-263
R-218
R-260
R-242
R-252,269
R-257,221,225,245,253
R-289
R-212,215,243,261,276
205,206,208,211

R-6
R-251,294
R-201
R-214,224,254,258
R-204,219,236
R-267
R-277,210,238,244,288
R-290
R-273,274
R-2
R-4
R-9,202,213,222,239
275,268,237,209
R-249,259
R-216,266
R-235,270
R-250,234

Choke Transformer	TF-017.....	044-028-9-006
Input Transformer	TF-011.....	061-022-9-001
Output Transformer	TF-038.....	061-022-9-002
VARIABLE RESISTORS		
Semi-fixed Resistor	RV-103 20KB.....	008-209-9-010
Semi-fixed Resistor	RV-103 50KB.....	008-209-9-008
Semi-fixed Resistor	RV-102 5KB.....	008-284-9-001
Variable Resistor	RV-055 10K-A.....	008-187-9-002
Variable Resistor	RV-027 10K-A.....	008-187-9-001
Variable Resistor	RV-071 50KB.....	008-227-9-003
RESISTORS		
Metalized Resistor	1 ohm 1W.....	013-002-9-002
Metalized Resistor	2.2 ohm 1W K.....	013-011-9-001
Metalized Resistor	22 ohm 1W K.....	013-011-9-002
Metalized Resistor	150 ohm 1W K.....	013-011-9-003
Car Comp. Resistor	15 ohm 1/2W.....	001-102-5-150
Car Comp. Resistor	47 ohm 1/2W.....	001-102-5-470
Car Comp. Resistor	100 ohm 1/2W.....	001-102-5-101
Car Comp. Resistor	1k ohm 1/2W.....	001-102-5-102
Carbon Film Resistor	4.7K ohm 1/4W J.....	002-104-5-472
Carbon Film Resistor	6.8K ohm 1/4W J.....	002-104-5-682
Carbon Film Resistor	10K ohm 1/4W J.....	002-104-5-103
Carbon Film Resistor	22K ohm 1/4W J.....	002-104-5-223
Carbon Film Resistor	1 ohm 1/4W J.....	002-104-5-010
Carbon Film Resistor	2.2 ohm 1/4W J.....	002-104-5-229
Carbon Film Resistor	56 ohm 1/4W J.....	002-104-5-560
Carbon Film Resistor	27 ohm 1/4W J.....	002-104-5-270
Carbon Film Resistor	47 ohm 1/4W J.....	002-104-5-470
Carbon Film Resistor	68 ohm 1/4W J.....	002-104-5-680
Carbon Film Resistor	560 ohm 1/4W J.....	002-104-5-561
Carbon Film Resistor	100 ohm 1/4W J.....	002-104-5-101
Carbon Film Resistor	150 ohm 1/4W J.....	002-104-5-151
Carbon Film Resistor	220 ohm 1/4W J.....	002-104-5-221
Carbon Film Resistor	270 ohm 1/4W J.....	002-104-5-271
Carbon Film Resistor	330 ohm 1/4W J.....	002-104-5-331
Carbon Film Resistor	390 ohm 1/4W J.....	002-104-5-391
Carbon Film Resistor	470 ohm 1/4W J.....	002-104-5-471
Carbon Film Resistor	680 ohm 1/4W J.....	002-104-5-681
Carbon Film Resistor	820 ohm 1/4W J.....	002-104-5-821
Carbon Film Resistor	1k ohm 1/4W J.....	002-104-5-102
Carbon Film Resistor	1.5k ohm 1/4W J.....	002-104-5-152
Carbon Film Resistor	1.8k ohm 1/4W J.....	002-104-5-182
Carbon Film Resistor	2.2k ohm 1/4W J.....	002-104-5-222
Carbon Film Resistor	2.7k ohm 1/4W J.....	002-104-5-272
Carbon Film Resistor	3.3k ohm 1/4W J.....	002-104-5-332
Carbon Film Resistor	3.9K ohm 1/4W J.....	002-104-5-392
Carbon Film Resistor	4.7K ohm 1/4W J.....	002-104-5-472
Carbon Film Resistor	5.6K ohm 1/4W J.....	002-104-5-562
Carbon Film Resistor	6.8K ohm 1/4W J.....	002-104-5-682

CIRCUIT SYMBOL

C-300,301,302,303,279,
275,319
C-217,220,254,264,1,8,
11,21,293,285,286,30
298
C-241
C-253
C-7
C-2
C-3

C-278
C-12,224,204,218,225,
276,310
C-304
C-236,238
C-280,281
C-213,219,2129,287,14

VC-1
CR-1,2,3,4,5,6,7

X-201
X-1

XF-201
S-201
S-203,204
SF
M-201

J-5
J-201
J-202,203
J-204
PG-016
TP-1,2
TP-207
TP-203,201,202
PL-201
PL-202

For TR-211,212
For TR-216,217

DESCRIPTION	PART NO.
CAPACITORS (Continued)	
Ceramic Capacitor	0.039 μ F 25V Z YG 020-180-9-024
Ceramic Capacitor	0.001 μ F 50V YB 020-180-9-025
Ceramic Capacitor	0.0033 μ F 50V YA 020-180-9-026
Ceramic Capacitor	0.01 μ F 50V YA 020-180-9-027
Ceramic Capacitor	0.022 μ F 50V YA 020-180-9-028
(Temperature control)	
Mylar Capacitor	39pF 50V 020-180-9-029
Mylar Capacitor	0.1 μ F 50V K 025-121-9-001
Mylar Capacitor	0.01 μ F 50V K 025-121-9-002
Mylar Capacitor	0.022 μ F 50V K 025-121-9-003
Mylar Capacitor	0.033 μ F 50V K 025-121-9-004
Mylar Capacitor	0.039 μ F 50V K 025-121-9-005
Mylar Capacitor	0.047 μ F 50V K 025-121-9-006
Trimmer Condenser	50pF CV-024 028-036-9-001
Composite Parts	HA-002, CR-004 523-162-9-001
CRYSTALS	
Crystal QX-070	9.785MHz 132-028-9-001
Crystal QX-074	10.24MHz 132-027-9-001
MISCELLANEOUS	
Ceramic Filter	FL-019 LF-R6 140-015-9-001
Rotary Switch	 083-224-9-001
Slide Switch	SW-054 084-051-9-001
Speaker	SP-003 580-013-9-001
Meter	MT-018 320-078-9-001
Microphone	M5-046 562-006-9-001
Jack	JK-052 773-079-9-002
Antenna Connector	JK-035 772-027-9-001
Jack (Fiver)	JK-010 773-079-9-003
Jack (Metacon)	JK-028 773-072-9-001
Plug	PG-016 775-039-9-001
Check Terminal	 757-032-9-001
Check Terminal	 757-028-9-001
Check Terminal	 345-041-9-001
Pilot Lamp (Red)	 400-035-9-004
Pilot Lamp	 400-046-9-001
Fuse	FS-001 2A 191-251-9-002
Wire Clamper	YY-047 380-278-9-001
Insulator	YD-003-001 347-073-9-001
Insulator	YD-024 347-073-9-002
Connector Pin	TP-026 757-035-9-001
Chassis	SPCC 257-093-9-001
Case (Upper)	 272-112-9-001
Case (Lower)	 272-113-9-001
Bracket	SPCC 251-187-9-001
Heat sink	 747-044-9-001