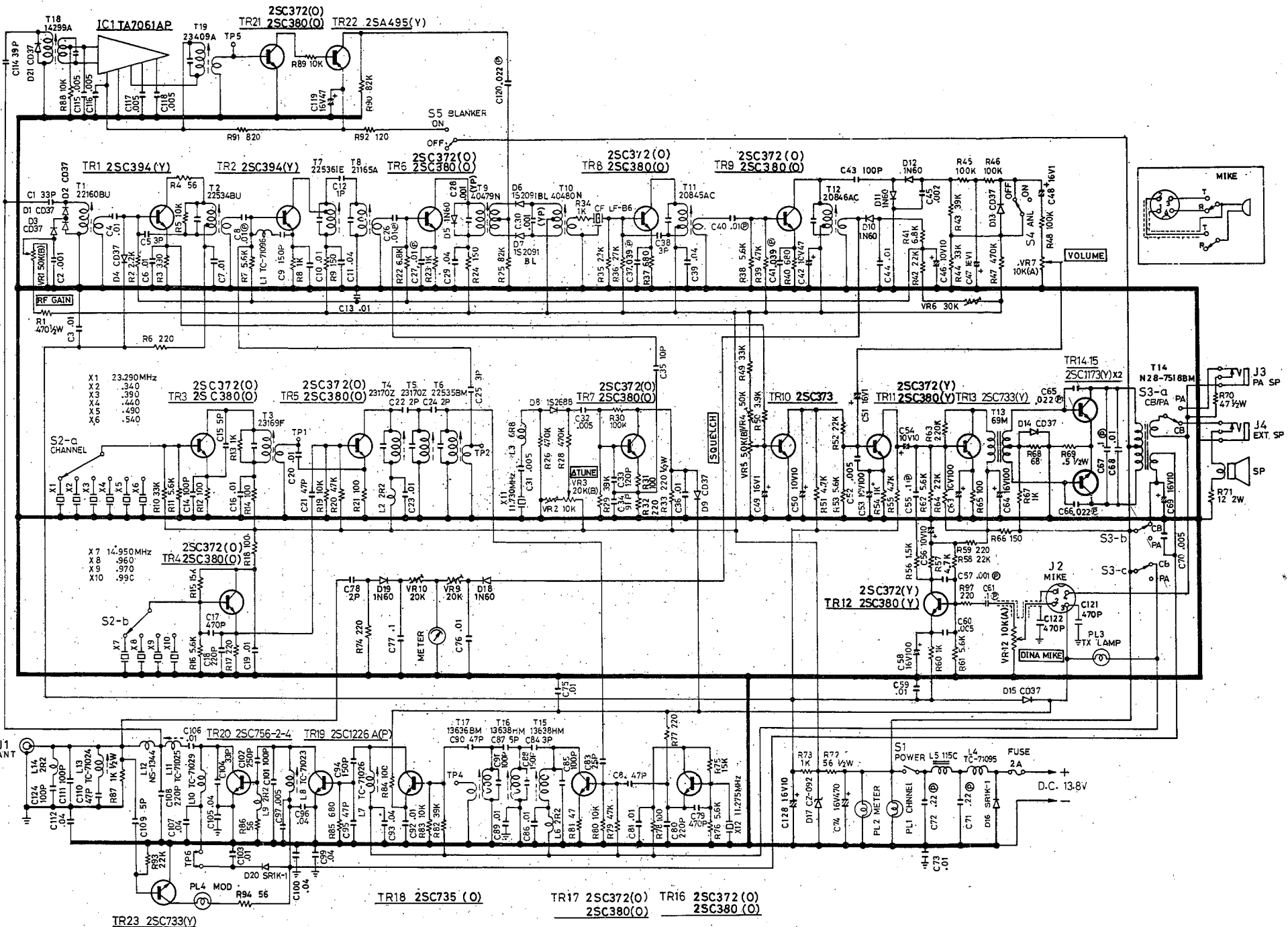


CIRCUIT DIAGRAM FOR COBRA 29



PARTS LIST FOR COBRA 29

CIRCUIT
SYMBOLDESCRIPTION
DYNASCAN
PART NO.DESCRIPTION
DYNASCAN
PART NO.

TRANSISTORS, DIODES

Transistor 2SC394 (Y).....176-042-9-001
Transistor 2SC372 (O) or 2SC380 (O).....176-042-9-002
Transistor 2SC373.....176-026-9-001
Transistor 2SC372 (Y) or 2SC380 (Y).....176-042-9-003
Transistor 2SC733 (Y) or (O).....176-042-9-004
or 2SC735 (O) or (Y).....176-042-9-006
Transistor 2SC1173 (Y).....172-014-9-001
Transistor 2SC735 (O) or (Y).....176-042-9-006
Transistor 2SC1226A (P).....176-042-9-005
Transistor 2SC756-2-4.....172-014-9-002
Transistor 2SC495 (Y) or (O) or 2SA733 (P).....177-006-9-001
IC
Integrated Circuit TA7061AP.....307-007-9-002

COILS, TRANSFORMERS (Continued)

Coil TKXC-2253EBM 38 MHz Filter.....086-017-9-005
Coil TKAC-22536E 1st IF.....080-016-9-001
Coil TKAC-21165A 1st IF.....080-016-9-002
Coil RLN-40479N 2nd IF.....080-017-9-001
Coil RLN-40480N 2nd IF.....080-017-9-002
Coil YMC-20845AC 2nd IF.....080-016-9-004
Coil YMC-20846AC 2nd IF.....080-016-9-005
Trans. 69 M AF Input.....061-022-9-001
Trans. N28-7618BM AF Output.....061-022-9-002
Coil KXN-13638HM TX 27 MHz Filter.....086-017-9-006
Coil KXN-13636BM TX 27 MHz Filter.....086-017-9-007
Trans. 14299A RF.....086-018-9-001
Trans. 20979A RF Amo.....086-018-9-002

CRYSTALS

Crystal 23.290 MHz HC-25/U.....133-004-9-001
Crystal 23.340 MHz HC-25/U.....133-004-9-002
Crystal 23.390 MHz HC-25/U.....133-004-9-003
Crystal 23.440 MHz HC-25/U.....133-004-9-004
Crystal 23.490 MHz HC-25/U.....133-004-9-005
Crystal 23.540 MHz HC-25/U.....133-004-9-006
Crystal 14.950 MHz HC-25/U.....133-004-9-007
Crystal 14.960 MHz HC-25/U.....133-004-9-008
Crystal 14.970 MHz HC-25/U.....133-004-9-009
Crystal 14.990 MHz HC-25/U.....133-004-9-010
Crystal 11.275 MHz HC-25/U.....133-004-9-011
Crystal 11.730 MHz HC-25/U.....133-004-9-012

COILS, TRANSFORMERS

Coil TC-71096 14 MHz Trap.....041-056-9-001
Micro Inductor LF4-2R2K.....041-081-9-001
Coil TC-71095 Power RF Choke.....041-061-9-002
Coil 115C Line Filter Choke.....042-011-9-001
Coil TC-71026 TX Pre-Driver.....044-028-9-005
Coil TC-71023 TX Driver.....044-028-9-004
Coil TC-71029 TX Final.....044-028-9-003
Coil TC-71025 TX Matching.....044-028-9-002
Coil NS-1344 Antenna Filter.....044-028-9-001
Coil TC-71024 TV Trap C.....041-056-9-003
Coil TKXN-22160BU RX Antenna.....086-017-9-001
Coil TKXC-22534BU RX RF Amp.....086-017-9-002
Coil TKXC-23169F 23 MHz OSC.....086-017-9-003
Coil TKXC-23170Z 38 MHz Filter.....086-017-9-004

Variable Resistor 50 K (B).....008-187-9-003
Variable Resistor 20 K (B).....008-158-9-006
Variable Resistor 10K (A) w/Switch.....008-187-9-001
Variable Resistor 10 K (A).....008-187-9-002
Semi-fixed Resistor 50 K 3P 68M.....008-205-9-001
Semi-fixed Resistor 50 K 2P 68M.....008-187-9-004
Semi-fixed Resistor 30 K 2P 68M.....008-187-9-005
Semi-fixed Resistor 20 K 2P 68M.....008-187-9-006
Carbon 47 ohm \times W ELR.....

RESISTORS, CONTROLS

R-70 Solid 47 ohm \times W.....044-123-9-001
R-69 Metalized 0.5 ohm \times W.....004-138-9-001
R-71 Metalized 12 ohm 2W.....

RESISTORS, CONTROLS (Continued)

C-12 Ceramic 1pF 50V.....020-109-9-001
C-22,24,78 Ceramic 2pF 50V.....020-109-9-007
C-5,25,38,84 Ceramic 3pF 50V.....020-109-9-003
C-15,87,109 Ceramic 5pF 50V.....020-109-9-010
C-35 Ceramic 10pF 50V.....020-109-9-012
C-83 Ceramic 25pF 50V.....020-109-9-015
C-1104 Ceramic 33pF 50V.....020-125-9-001
C-114, 200 Ceramic 40pF 50V.....020-125-9-002
C-21,82,90,95,110 Ceramic 47pF 50V.....020-109-9-011
C-34 Ceramic 90pF 50V.....020-125-9-003
C-14,43,85,91,101, 111,124 Ceramic 100pF 50V.....020-109-9-008
C-33 Ceramic 120pF 50V.....020-125-9-004
C-9,88,94 Ceramic 150pF 50V.....020-109-9-004
C-18,80,108 Ceramic 220pF 50V.....020-109-9-013
C-102 Ceramic 250pF 50V.....020-125-9-005
C-17,79,121,122 Ceramic 470pF 50V.....020-109-9-014
C-2 Ceramic 0.001uF 50V.....020-125-9-006
C-132 Ceramic 8pF 50V.....020-125-9-007
C-45 Ceramic 0.002uF 50V.....020-125-9-007
C-31,32,52,60,70, 97,115,116,117, 118 Ceramic 0.005uF 50V.....020-109-9-009
C-77 Ceramic 0.1uF 50V.....020-109-9-016
C-34,6,7,10,13,16, 19,20,23,36,44, 59,68,73,75,76, 81,86,92,89, 103,106 Ceramic 0.01uF 50V.....020-109-9-002
C-11,29,39,93,96, 99,100,105,107, 112 Ceramic 0.04uF 50V.....020-109-9-005
C-28,30 Ceramic 0.001uF SCP-60 50V.....020-125-9-008
C-69,128 Electrolytic 10uF 16V.....022-120-9-001

CIRCUIT
SYMBOLDYNASCAN
PART NO.

RESISTORS, CONTROLS (Continued)

RESISTORS, CONTROLS (Continued)

R-4,86,94 Carbon 56 ohm \times W ELR.....002-104-5-660
R-68 Carbon 68 ohm \times W ELR.....002-104-5-680
R-12,14,18,21,31, 65,78,84 Carbon 100 ohm PW ELR.....002-104-5-101
R-9,24,66 Carbon 150 ohm \times W ELR.....002-104-5-151
R-6,17,32,74,77, 97 Carbon 220 ohm \times W ELR.....002-104-5-221
R-3 Carbon 330 ohm \times W ELR.....002-104-5-331
R-37,40,85 Carbon 680 ohm \times W ELR.....002-104-5-681
R-8,13,23,34,54, 60,67 Carbon 1K ohm \times W ELR.....002-104-5-102
R-56 Carbon 1.5K ohm \times W ELR.....002-104-5-152
R-2 Carbon 2.2K ohm \times W ELR.....002-104-5-222
R-35 Carbon 2.7K ohm \times W ELR.....002-104-5-272
R-50 Carbon 3.9K ohm \times W ELR.....002-104-5-392
R-51,55,57 Carbon 4.7K \times W ELR ohm.....002-104-5-472
R-17,11,16,38,53, 61,62,76 Carbon 5.6K ohm \times W ELR.....002-104-5-562
R-41 Carbon 6.8K ohm \times W ELR.....002-104-5-682
R-5,19,80,83,88, 89 Carbon 10K ohm \times W ELR.....002-104-5-103
R-15,75 Carbon 15K ohm \times W ELR.....002-104-5-153
R-42,52,58,64,93 Carbon 22K ohm \times W ELR.....002-104-5-223
R-36 Carbon 27K ohm \times W ELR.....002-104-5-273
R-10,44,49 Carbon 33K \times W ELR.....002-104-5-333
R-43,82,29 Carbon 39K \times W ELR.....002-104-5-393
R-20,39,79 Carbon 47K \times W ELR.....002-104-5-473
R-25,90 Carbon 82K ohm \times W ELR.....002-104-5-104
R-30,45,46,48 Carbon 100K \times W ELR.....002-104-5-224
R-26,28,47 Carbon 220K ohm \times W ELR.....002-104-5-474
R-91 Carbon 820 ohm \times W ELR.....002-104-5-820
R-59 Carbon 220 ohm \times W R.....002-104-5-224
R-92 Carbon 120 ohm \times W ELR.....002-104-5-120
R-73 Carbon 1K ohm \times W R.....002-104-5-104
R-22 Carbon 6.8K \times W R.....002-104-5-682
R-72 Solid 56 ohm \times W.....001-102-6-101
R-33 Solid 220 ohm \times W.....001-102-6-101
R-1 Solid 470 ohm \times W.....001-102-6-101
R-87 Solid 1K ohm \times W.....001-102-6-101

CIRCUIT
SYMBOLDYNASCAN
PART NO.

RESISTORS, CONTROLS (Continued)

RESISTORS, CONTROLS (Continued)

CAPACITORS

TP-3,4 Cord Stopper BU-3270.....380-205-9-001
TP-3,4 Check Terminal T-41.....757-011-9-001
TR-4,2,5 Pin Terminal N-60.....757-011-9-002
J-3,4 Pin Terminal 1.5mm.....757-014-9-001
PL-1 Jack SJ-286 3.5mm.....773-045-9-002
PL-2 Pilot Lamp 14V/50mA (red).....400-032-9-001
PL-3 Pilot Lamp 14V/50mA (white).....400-032-9-002
PL-4 Pilot Lamp 14V/50mA (clear).....400-032-9-003
CF Pilot Lamp 4.6V/30mA (clear).....400-032-9-004
Ceramic Filter LF-86.....140-009-9-001
Metal Chassis M2-02288.....257-066-9-001
Metal Cabinet (top) M2-02287.....253-033-9-001
Metal Cabinet (bottom) M2-02288.....252-012-9-001
Mounting Bracket M3-02289.....250-044-9-001
Heat Sink (aluminum) M4-00844 (Audio).....747-026-9-001
Heat Sink (aluminum) M4-00344 (Transmitter).....747-026-9-002
Front Panel (ABS) M4-01727.....256-113-9-001
Channel Knob (ABS) M4-01727.....751-106-9-002
Volume Knob (ABS) M4-01968.....380-176-9-002
Channel Dial (acryl) M4-01967.....380-176-9-002
Lamp Grille (acryl) M4-01308 red.....750-007-9-002
Lamp Grille (acryl) M4-01497 green.....750-007-9-001
Screw for Bracket M4-00238.....634-044-9-001
Front Plate M4-02280.....260-044-9-001
Microphone Plate M4-01960.....600-018-9-002
FCC Plate.....600-018-9-002
Lighting Board M4-00840.....769-078-9-001
Lamp Holder (rubber) M4-00601.....381-056-9-001
Instruction Booklet.....480-140-9-001
Schematic & Parts List (Composite).....499-057-9-001
FCC Application Form.....492-041-9-001
Styrofoam Box.....503-069-9-001
Display Box.....500-226-9-001
P.C. Board.....302-151-9-001

CIRCUIT
SYMBOLDYNASCAN
PART NO.

RESISTORS, CONTROLS (Continued)

RESISTORS, CONTROLS (Continued)

CAPACITORS (Continued)

CAPACITORS (Continued)

CIRCUIT
SYMBOLDYNASCAN
PART NO.

CAPACITORS (Continued)

CAPACITORS (Continued)

MISCELLANEOUS

C-47,48,49,51 Electrolytic 1uF 16V.....022-099-9-003
C-46,50,54,56 Electrolytic 10uF 10V.....022-099-9-002
C-42 Electrolytic 47uF 10V.....022-120-9-002
C-119 Electrolytic 47uF 16V.....022-120-9-003
C-53,63 Electrolytic 100uF \pm 10% -10% 10V.....022-099-9-004
C-74 Electrolytic 100uF 16V.....022-120-9-004
C-57 Electrolytic 470uF 16V.....022-099-9-006
C-8,26,27,40 Mylar 0.001uF 50V.....025-074-9-003
C-120,65,66 Mylar 0.01uF 50V.....025-087-9-001
C-37,41 Mylar 0.04uF 50V.....025-087-9-002
C-56,61,68 Mylar 0.1uF 50V.....025-074-9-002
C-71,72 Mylar 0.72uF 50V.....025-074-9-004

MISCELLANEOUS (Continued)

MISCELLANEOUS (Continued)

SWITCHES

S-3,4,5 Slide Switch SL-2-2-2-14.....084-031-9-001
S-2 Rotary Switch 1-2-24 (4S32C000-A).....083-143-9-001

MISCELLANEOUS

Crystal Socket S-D0105.....749-709-9-001
M-R type Antenna Connector.....772-025-9-001
Microphone Plug SM-144 (4-P).....775-022-9-001
Microphone Jack SM-144 (4-P).....773-045-9-001
Speaker 1 0P03S 8 ohm 2-W.....680-013-9-001
Meter type A-39 S31EA663.....320-051-9-001
Microphone 22-115-45.....862-006-9-001
Microphone Hanger 12-42438-01.....741-074-9-001
Fuse Holder RF-104.....742-018-9-001
Fuse 1.5 Amp.....191-002-9-002
Fuse 2 Amp.....191-002-9-002

M-
MIKE

NOTE: 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.

191-251-3-002

COMPOSITE
499-057-9-001