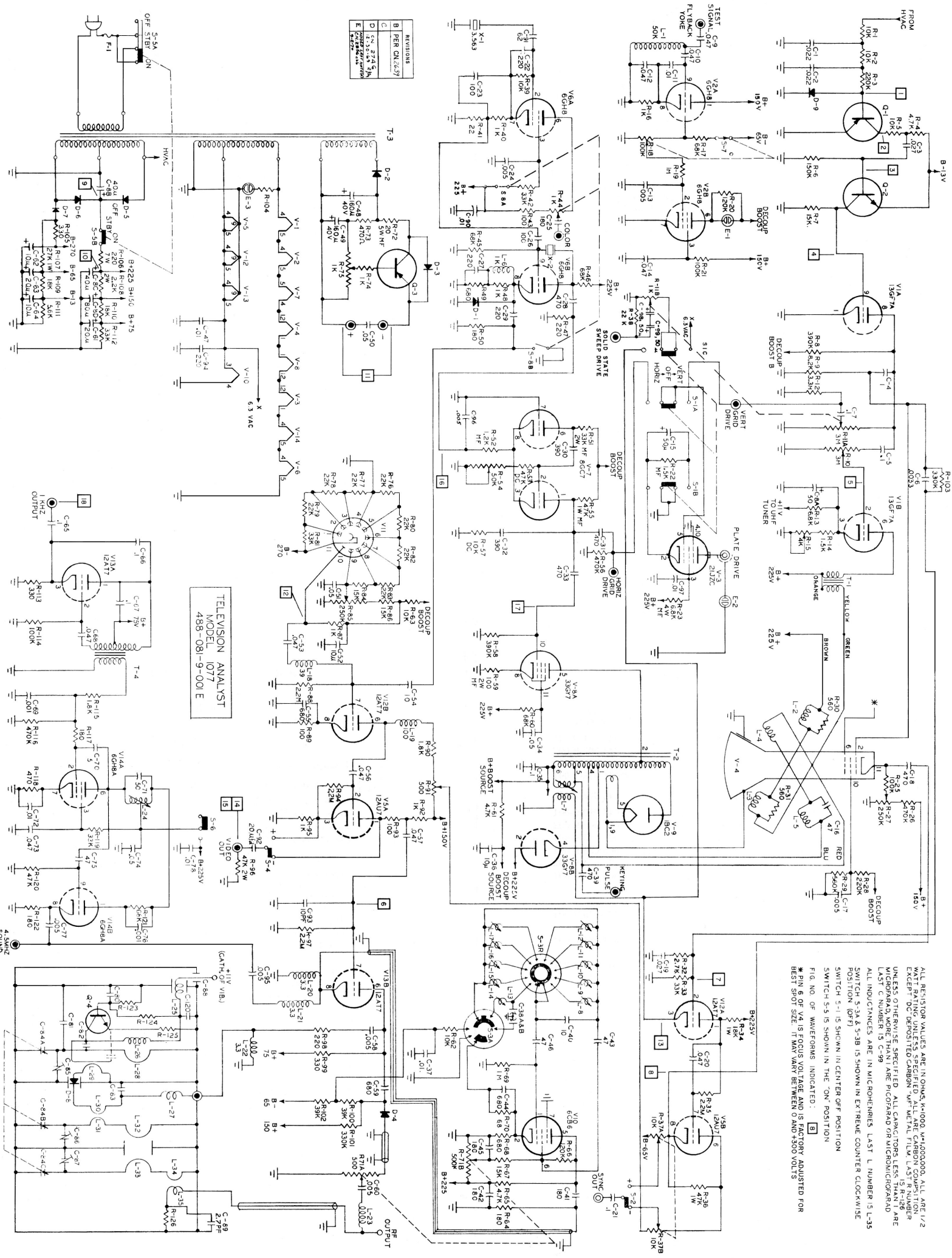


REVISIONS	
B	PER CN. 437
C	
D	2.745 IN
E	2.745 IN
F	2.745 IN



ALL RESISTOR VALUES ARE IN OHMS, K=1000, M=1,000,000. ALL ARE 1/2 WATT RATING UNLESS SPECIFIED. ALL LARGE CARBON COMPOSITION UNLESS OTHERWISE SPECIFIED. ALL CAPACITORS LESS THAN .01 ARE LAST C NUMBER IS C-99. ALL MICROPHONES ARE IN MICROHONES. LAST C NUMBER IS C-35 POSITION (OFF). SWITCH S-1 IS SHOWN IN CENTER OFF POSITION. FIG. NO. OF WAVEFORMS INDICATED: [B] SWITCH S-3A & S-3B IS SHOWN IN EXTREME COUNTER CLOCKWISE POSITION (OFF). SWITCH S-4 & S-5 IS SHOWN IN EXTREME COUNTER CLOCKWISE POSITION (OFF). * PIN 6 OF V-15 IS FOCUS VOLTAGE AND IS FACTORY ADJUSTED FOR BEST SPOT SIZE. IT MAY VARY BETWEEN 0 AND +300 VOLTS.

B & K MODEL 1077 PARTS LIST

488-081-9-002F

SCHEMATIC SYMBOL	DESCRIPTION	B & K PART No.
CAPACITORS		
C-8A, } B,C,D }	40 40 80 50 MFD. Quad Section 350 350 350 50 W.V. Electrolytic Capacitor	021-023-9-001
C-15 } C-98 } C-99 }	50 MFD. @ 50 W.V. Electrolytic Capacitor	022-001-9-002
C-36, } C-52 }	10 MFD. @ 475 W.V. Electrolytic Capacitor	021-033-9-001
C-38A, } C-38B }	9-281 PF. 2 Gang Tuning Capacitor	029-009-9-001
C-48, } C-49 }	160 MFD. @ 40 W.V. Electrolytic Capacitor	022-001-9-016
C-61, } C-63 }	20 MFD. @ 250 W.V. Electrolytic Capacitor	021-034-9-001
C-62	10 MFD. @ 350 W.V. Electrolytic Capacitor	021-035-9-001
C-64	10 MFD. @ 64 W.V. Electrolytic Capacitor	022-039-9-001
C-92	20 MFD. @ 350 W.V. Non polarized Electrolytic Capacitor	034-002-9-001
RESISTORS — POTENTIOMETERS		
R-10	3M Ohm Control Vertical Size (Internal)	008-082-9-001
R-11	3M Ohm Dual Control Vertical Amplitude/ Solid State Drive	008-102-9-001
R-15	4K Ohm Control Vertical Linearity (Internal)	009-003-9-001
R-18	100K Ohm Control Shorted Turns Calibrate Control w/Switch	008-078-9-001
R-22	1.5K Ohm 2W Glass Resistor	003-002-6-152
R-51	33K Ohm 2W Glass Resistor	003-002-6-333
R-27	250K Ohm Control Beam Current (Internal)	008-081-9-001
R-37A, } R-37B }	10K Ohm 10K Ohm Dual Control Sync Amplitude Control	008-073-9-001
R-44	1K Ohm Control Color Amplitude Control w/Switch	008-120-9-001
R-52	1.2K Ohm ½W Glass Resistor	003-102-5-122
R-54	50K Ohm Control Horiz. Freq. (Internal)	008-080-9-001
R-55	47K Ohm 1W Glass Resistor	003-001-5-473
R-59	100 Ohm 2W Glass Resistor	003-002-6-101
R-23	6.8K Ohm 4W Glass Resistor	003-004-6-682
R-71, } R-71B }	500 Ohm 500K Ohm Dual Control R.F. Attenuator	008-072-9-001
R-72	20 Ohm 5W Glass Resistor	003-005-6-200
R-75	1K Ohm Control Bias Control	008-075-9-001
R-85	250K Ohm Control Video Control	008-076-9-001
R-91	500 Ohm Control Sync Level (Internal)	009-003-9-002
R-106	220 Ohm 7W Glass Resistor	003-007-6-221
R-108	2.2K Ohm 2W Glass Resistor	003-002-6-222
CHOKES — COILS — TRANSFORMERS		
L-1	50 Mhy Coil	041-033-9-001
L-2, L-3 } L-4, L-5, } R-30, R-31, } C-16 }	Deflection Yoke Complete	541-002-9-001

COMPOSITE
499-004-9-001F

B & K MODEL 1077 PARTS LIST

SCHEMATIC SYMBOL	DESCRIPTION	B & K PART No.
L-6	1K UH Coil	041-031-9-001
L-7	Width Coil	044-003-9-002
L-18	39 UH Peaking Coil	041-037-9-001
L-19	100 UH Peaking Coil	041-038-9-001
L-20, L-21, } L-22	3.3 UH R.F. Choke	041-032-9-001
L-24	4.5 MHz Oscillator Coil	044-010-9-001
T-1	Vertical Output Transformer	061-002-9-002
T-2	Horizontal Output Transformer	063-003-9-001
T-3	Power Transformer (60 cycle)	065-054-9-001
T-3	Power Transformer (50 cycle)	065-054-9-002
T-4	Audio Oscillator, Output Transformer	061-011-9-001

SWITCHES

S-1	Plate Drive/Solid State Selector Switch	084-019-9-001
S-2	Sync Polarity Switch } S-4 Video Polarity Switch } S-6 Tone Off-On Switch }	084-001-9-001
S-3	R.F. Selector Switch	083-077-9-001
S-5	Off-Standby-On Switch	084-013-9-001

DIODES AND TRANSISTORS

D-1, D-9,	Germanium Diode 1N48	150-001-9-006
D-2, D-3	Silicon Rectifier 1N4004	151-018-9-001
D-4	Silicon Diode SPECIAL	151-014-9-001
D-5, D-6, } D-7	Silicon Diode 1N4006	151-019-9-001
Q-1	Silicon Transistor PNP 2N5139	177-002-9-001
Q-2	Silicon Transistor NPN 2N5126	176-011-9-001
Q-3	Germanium Transistor PNP RCA 40022	171-013-9-001

TUBES

V-1	13GF7A Vacuum Tube	235-130-7-067
V-2, V-6, } V-14	6GH8A Vacuum Tube	235-060-7-088
V-3	21JZ6 Vacuum Tube	235-211-0-266
V-4	CRT	230-004-9-001
V-5A, } V-5B	12AU7 Vacuum Tube	235-120-1-217
V-7	8FQ7 Vacuum Tube	235-005-9-001
V-8A, } V-8B	33GY7 Vacuum Tube	236-330-7-257
V-9	1BC2 Vacuum Tube	235-010-2-032
V-10	6CB6 Vacuum Tube	235-060-3-026
V-11	Vacuum Tube Photomultiplier Tube	231-001-9-001
V-12A, } V-12B } V-13A, } V-13B }	12AT7 Vacuum Tube	235-120-1-207

B & K MODEL 1077 PARTS LIST

SCHEMATIC SYMBOL	DESCRIPTION	B & K PART No.
MISCELLANEOUS		
F-1	3 Amp. 250V Line Fuse Type: 3AG	191-251-3-003
E-3 w/ R-104 }	Neon Lamp with 100K Resistor	401-001-9-002
E-1	Neon Light NE-2L	401-002-9-001
E-2	Neon Light NE-2	401-002-9-003
X-1	3563.795 KHz Crystal	131-003-9-001
X-2	189.000 KHz Crystal	131-001-9-020
	Complete Video-Modulator Board with all Components Less Tubes	S-4803
	Complete Sweep Circuit Board with all Components Less Tubes	S-4802
	Complete R.F. Tuner Board with all Components Less Tubes	S-4804
	CRT Support Bracket	250-030-9-001
	Slide Frame with Slide Guides	254-007-9-902
	CRT Clamp	741-031-9-001
	Front Panel	255-067-9-903
	Case Top	272-058-9-903
	Case Left End	272-060-9-903
	Case Right End	272-061-9-903
	Case Back	272-062-9-903
	Case Bottom	272-063-9-903
	7 Pin Printed Circuit Socket	749-049-9-001
	9 Pin Printed Circuit Socket	749-046-9-001
	CRT Socket Assembly with Leads	522-034-9-001
	11 Pin Printed Circuit Socket	749-048-9-001
	12 Pin Socket	749-045-9-001
	9 Pin H.V. Socket	749-050-9-001
	Centering Device	761-001-9-001
	Rubber Feet	381-002-9-001
	Panel BNC Connector	772-018-9-803
	Black Output Jack	774-001-9-002
	Red Output Jack	774-001-9-001
	Small Knob	751-040-9-001
	Large Knob with Pointer	751-056-9-001
	Large Knob UHF Tuner	751-057-9-001
	Dial for UHF Tuner Complete	S-4816
	Line Cord	420-011-9-001
	9 Pin Printed Circuit Socket (Novar)	749-047-9-001
	Instruction Manual	480-095-9-001
	Voltage and Wave Form Chart	482-018-9-001
	Schematic	488-081-9-001
	Parts List	488-081-9-002
	UHF Tuner Complete	523-023-9-001
	Fuse Holder Complete	742-001-9-804
	Slug for Tuner Coils I.F. UHF Ch2 Ch3 Ch4.....	870-001-9-001
	Slug for Tuner Coils Ch6, Ch7, Ch8, Ch12, Ch13.....	870-001-9-002

B & K MODEL 1077 PARTS LIST

SCHEMATIC SYMBOL	DESCRIPTION	B & K PART No.
SLIDE KIT		
	Small Dot Slide	380-089-9-001
	Cross Hatch Slide	380-089-9-002
	Analyst Pattern Slide	380-089-9-003
	R-Y B-Y Slide	380-089-9-004
	Slide Kit Complete	528-001-9-001
PROBE KIT		
	High Voltage Indicator Assembly (S-4808) ...	520-022-9-001
	Adaptor Assembly (S-4809) ...	521-065-9-001
	Red Test Lead Assembly (S-4810) ...	522-035-9-001
	Black Test Lead Assembly (S-4811) ...	522-036-9-001
	Red Jumper Cable Assembly (S-4812) ...	522-037-9-001
	Cable Assembly (S-4813) ...	522-038-9-001
	Assembled Probe Kit (S-4814) ...	522-039-9-001

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.

Specify serial number when ordering replacement parts