



NOTES:

1. ALL RESISTOR VALUES IN OHMS; K=1000 OHMS
M=1 MILLION OHMS
2. RESISTORS ARE 1/2W±10% UNLESS OTHERWISE SPECIFIED.
3. ALL CAPACITORS ARE IN MICROFARADS.
4. S5 SHOWN IN EXTREME C.W. POSITION.
5. S3 LEVER SWITCHES SHOWN IN RESET POSITION.
6. ALL PUSH BUTTONS SHOWN IN NORMAL UP POSITION.
7. S1 SHOWN IN "OFF" POSITION.
8. S2 SHOWN IN "NORMAL" POSITION.
9. VOLTAGES INDICATED ARE FOR REFERENCE ONLY, MEASURED WITH AN AC VTVM. FOR CALIBRATION, REFER TO CALIBRATION PROCEDURE OF THE INSTRUCTION MANUAL.
10. WIRE COLORS INDICATED IN PARENTHESIS (YEL).
11. PRINTED CIRCUIT BOARD TERMINALS INDICATED IN CIRCLES. (A)

488-104-9-001 D
MODEL 747

B & K MODEL 747 PARTS LIST

488-104-9-002

**SCHEMATIC
SYMBOL**

DESCRIPTION

**B & K
PART No.**

CAPACITORS

C-5	200 μ f, @ 6.4 VDC Electrolytic Capacitor	022-001-9-007
C-6, 7	20 μ f, @ 250 VDC Electrolytic Capacitor	021-034-9-001

DIODES & TRANSISTORS

D-1, 2, 3, 4, 5, 6, 8, 9	Silicon Epoxy Diode, 600 PIV @ 1 Amp	151-018-9-001
D-7	Zener Diode, 16 V, \pm 5%, 1 Watt	152-009-9-001
Q-1	Transistor, Field Effect 2N5458 or equiv.	182-011-9-001

RESISTORS & CONTROLS

R-3, 6	150 Ω , 4W, 5% Axial Lead Glass Resistor	003-004-5-151
R-4	20 Ω , 3W, \pm 20% W.W. Pot, BRIDGE BALANCE ADJUST	009-031-9-001
R-5	1K, 4W, \pm 10% W.W. Pot, SENSITIVITY	009-033-9-001
R-10	10K, \pm 20% Linear Trimmer Pot, GRID EMISSION ADJUST	008-106-9-001
R-17	3K, 1.5W, \pm 20% W.W. Pot, BIAS ADJUST	009-034-9-001
R-20	2M, \pm 30% Linear Trimmer Pot, SHORT ADJUST	008-056-9-001
R-21	10 Ω , 3W, \pm 20% W.W. Pot, SIGNAL VOLTAGE ADJUST	009-030-9-001
R-22, 23	16 Ω , 5W, 5% W.W. Resistor, P.F.	006-005-8-160

SWITCHES

S-1	Slide Switch, POWER OFF-ON	084-001-9-001
S-2	SPDT Spring Action Slide Switch, LIFE TEST	091-003-9-001
S-3	Rotary Switch Ass'y Lever Action	083-118-9-001
S-4	Push Button Switch Ass'y, SHORTS, GRID EMISSION, TESTS 1 & 2	088-007-9-001
S-5	Rotary Switch, HEATER	083-119-9-001

MISCELLANEOUS

F-1	Fuse, 1/2 Amp, 250V, 3 AG Slo-Blo Pigtail	193-005-9-001
F-2	Fuse, 5 Amp, 250 V, 3 AG Pigtail	193-251-3-005
FL-1, 2	#55 Bulb (Signal)	400-012-9-001
NE-1	Neon Bulb (Shorts)	401-002-9-003
PL-1	Neon Bulb w/100 K Resistor (OFF-ON-INDICATOR)	401-001-9-002
T-1	Power Transformer	065-062-9-001
	Meter	320-033-9-001
	Binder, 3/8" Ring (part of tube chart)	380-143-9-001
	Molded Pin Straightener	380-145-9-001
	Glamor Cap (LEVER SWITCH)	384-010-9-001
	Line Cord	420-001-9-009
	Case Assembly, Complete	523-052-9-001

**COMPOSITE
499-027-9-001**

B & K MODEL 747 PARTS LIST

488-104-9-002

**SCHEMATIC
SYMBOL**

DESCRIPTION

**B & K
PART No.**

Case Name Plate Top	600-011-9-903
Case Name Plate Bottom	600-012-9-903
Nuvistor Socket, #22	749-015-9-001
7 Pin Min. Tube Socket, #1, 2, 3, 4, 5 & 30	749-064-9-001
Loctal Tube Socket, #27	749-014-9-001
Decal Socket, #28	749-033-9-001
Noval Tube Socket, #6, 7, 8, 9 & 10	749-066-9-001
10 Pin Min. Socket, #29	749-002-9-003
Octal Tube Socket, #14, 15, 17, 18 & 24	749-074-9-001
Novar Tube Socket, #11, 13, 20 & 25	749-068-9-001
Magnoval Tube Socket, #26	749-069-9-001
Compactron Socket, #12, 16, 19, 21 & 23	749-073-9-001
Lens Cap, Red (OFF-ON INDICATOR)	750-003-9-001
Knob (SENSITIVITY)	751-010-9-001
Knobs (HEATER)	751-081-9-001
Banana Jack, Black	774-001-9-002
Ferrite Core	870-002-9-001
Tube Chart	497-017-0-000
Instruction Manual	480-115-9-001
Lens Cap, Clear (SHORT INDICATOR)	750-003-9-002

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.