



- NOTES:**
1. ALL RESISTOR VALUES IN OHMS; K=1000 OHMS M=1MILLION OHMS. RESISTORS ARE 1/2W*10% UNLESS OTHERWISE SPECIFIED.
 2. ALL CAPACITORS ARE IN MICROFARADS.
 3. S5 SHOWN IN EXTREME C.W. POSITION.
 4. S3 LEVER SWITCHES SHOWN IN RESET POSITION.
 5. ALL PUSH BUTTONS SHOWN IN NORMAL UP POSITION.
 6. S1 SHOWN IN "OFF" POSITION.
 7. S2 SHOWN IN "NORMAL" POSITION.
 8. VOLTAGES INDICATED ARE FOR REFERENCE ONLY, MEASURED WITH AN AC VTVM. FOR CALIBRATION, REFER TO CALIBRATION PROCEDURE OF THE INSTRUCTION MANUAL.
 9. WIRE COLORS INDICATED IN PARENTHESIS (YEL).
 10. 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, Silicon Epoxy Diode, 600 PIV @ 1 Amp 151-018-9-001
5, 6, 8, 9 Zener Diode, 16 V, \pm 5%, 1 Watt 152-009-9-001
D-7 Transistor, Field Effect 2N5458 or equiv. 182-011-9-001
Q-1

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.