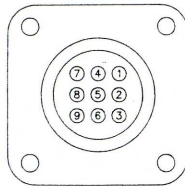


POWER SUPPLY CONNECTOR

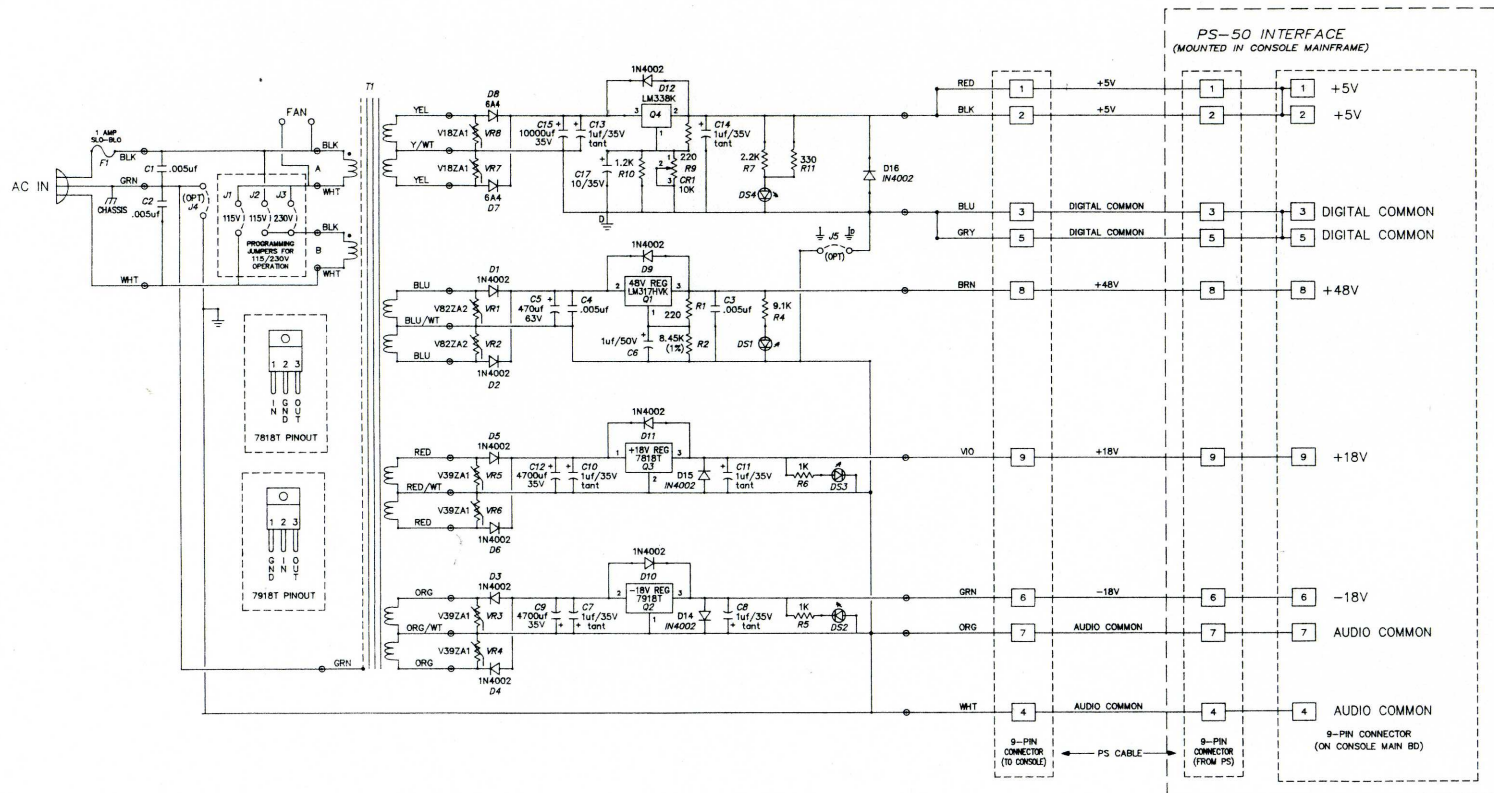
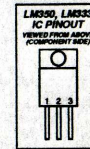
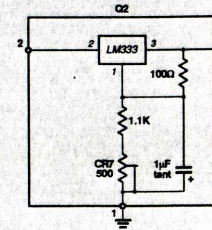
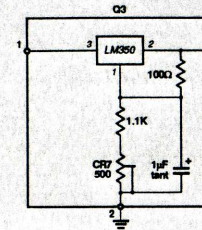


- 1) +5V
- 2) +5V
- 3) DIGITAL COMMON
- 4) AUDIO COMMON
- 5) DIGITAL COMMON
- 6) -18V
- 7) AUDIO COMMON
- 8) +48V
- 9) +18V

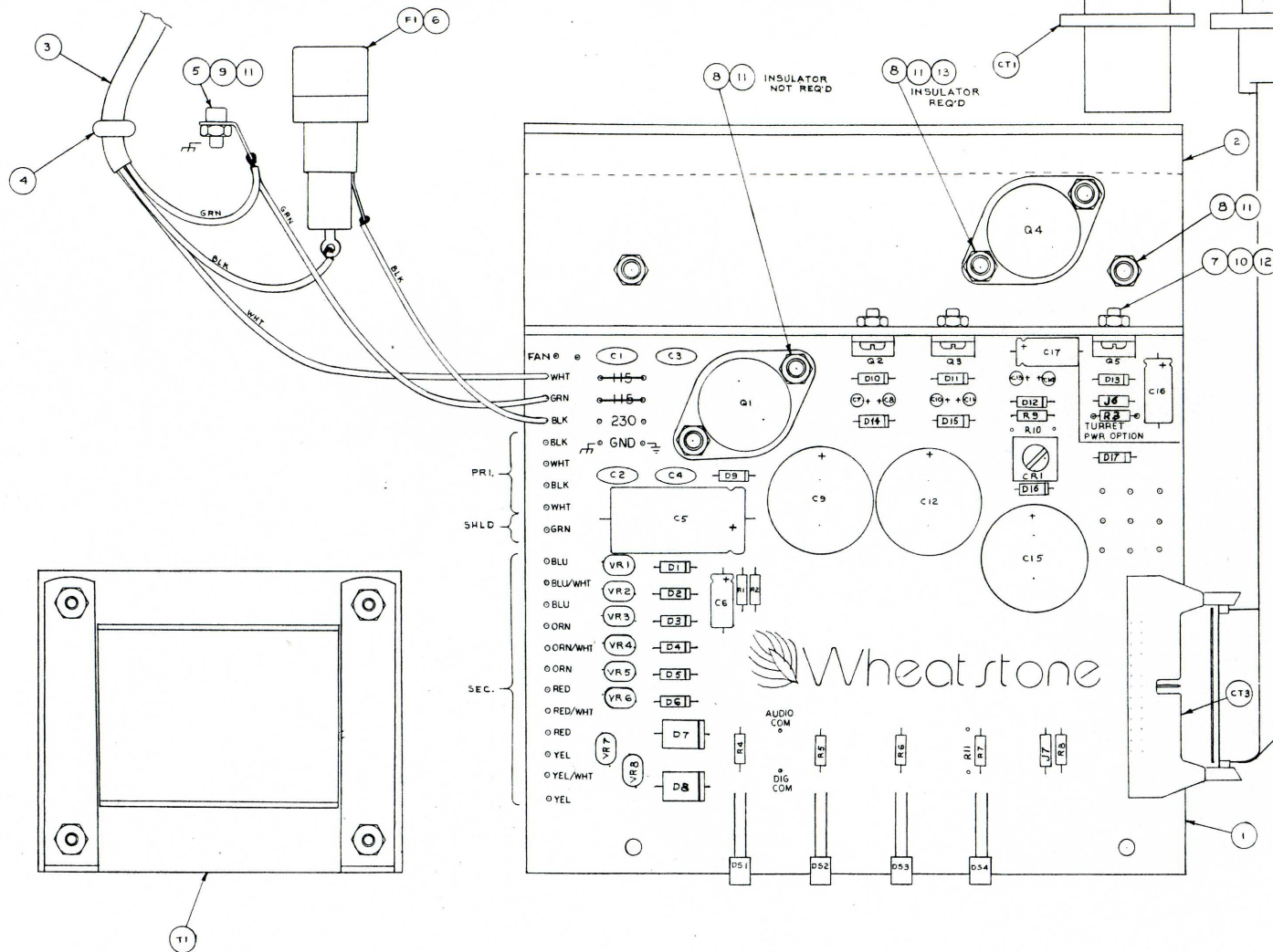
LM338K & LM317HVK (BOTTOM)

PIN 1 (ADJUST)
PIN 2 (INPUT)
CASE (OUTPUT)

NOTE: Q3 and Q2 have been modified as shown below



PS-50 POWER SUPPLY	
A-50 RADIO ON-AIR CONSOLE	
05-18-91	Wheatsone Corporation 6720 V.I.P. Parkway Syracuse, N.Y. 13211
JS	
REVISED	SCHEMATIC DRAWING
PS-200 & PS-200 PCBs	#450/50H



PARTS LIST		
ITEM NO.	DESCRIPTION	QTY.
1	PRINTED CIRCUIT BD, PS-20	1
2	HEAT SINK / REAR BRACKET	1
3	A.C. POWER CORD	1
4	GROMMET	1
5	GROUND LUG (CHASSIS)	1
6	FUSE HOLDER	1
7	SCREW, PLASTIC, #4-40 X 3/8 LG	4
8	SCREW, PAN HD, SLOTTED, #6-32 X 3/8 LG	6
9	SCREW, SOCKET HD, CAP, #6-32 X 3/8 LG	1
10	HEX NUT, #4-40	4
11	HEX NUT, #6-32	7
C1-4	CAPACITOR, .005MFRV, CERAMIC	4
C5	CAPACITOR, 470µ/35V, ELECTROLYTIC	1
C6	CAPACITOR, 1µ/35V, ELECTROLYTIC	1
C7,8,11,13 & 14	CAPACITOR, 1µ/35V, TANTALUM	6
C9,12	CAPACITOR, 4700µ/35V, ELECTROLYTIC	2
C16 & 17	CAPACITOR, 10µ/35V, ELECTROLYTIC	2
C15	CAPACITOR, 10000µ/35V, ELECTROLYTIC	1
D1-6 & 9-17	DIODE, IN4002	15
D51	DISPLAY, LED, YEL (.20" SQ)	1
D52	DISPLAY, LED, GRN (.20" SQ)	1
D53 & 4	DISPLAY, LED, RED (.20" SQ)	2
D7 & 8	DIODE, 6A4	2
CT1	CONNECTOR, 3 PIN FLANGE MT. BULK HD	1
CT2	CONNECTOR & CABLE ASSY, DB25S TO 25PWHBL	1
CT3	CONNECTOR, 26 PIN DIL RT. ANGLE HEADER	1
CR1	TRIM-POT, 10K	1
Q1	REGULATOR, +48V, LM317HV (TO-3)	1
Q2	REGULATOR, -15V, 7810T (TO-220)	1
Q3	REGULATOR, 7.0V, 7810T (TO-220)	1
Q4	REGULATOR, ADJUSTABLE, LM338K (TO-3)	1
Q5	REGULATOR, +12V, 7812T (TO-220)	1
R1	RESISTOR, 220 ±5%, 1/4 W	1
R2	RESISTOR, 8.45K ±1%, 1/4 W	1
R3	RESISTOR, 3.3 ±5%, 1/4 W	1
R4	RESISTOR, 3.1K ±5%, 1/4 W	1
R5 & 6	RESISTOR, 1K ±5%, 1/4 W	2
R7 & 8	RESISTOR, 2.2K ±5%, 1/4 W	2
R9	RESISTOR, 220 ±5%, 1/4 W	1
T1	TRANSFORMER	1
VR1 & 2	VARIATOR, V82ZA2	2
VR3-G	VARIATOR, V39ZA1	4
VR7 & 8	VARIATOR, V47ZA1	2
F1	FUSE, 1 AMP SLO-BLO	1
J6,7	JUMPER	2
I2	INSULATOR, MICA, TO-220	3
I3	INSULATOR, MICA, TO-3	1

POWER SUPPLY

A-20 RADIO ON-AIR CONSOLE	
REV 'C' - MODIFIED FOR HIGH CURRENT PWR SUPPLY 10-3/21/90	3-21-90
5-25-89 ADDED R9 & 10 & Q4 WAS 7824T	RA
8-23-93 CHANGE F1 TO 1 AMP SLO-BLO DAVE	SIZE: 2X
DO NOT SCALE	PCB PS-20-D
	PCB LOAD-SHEET