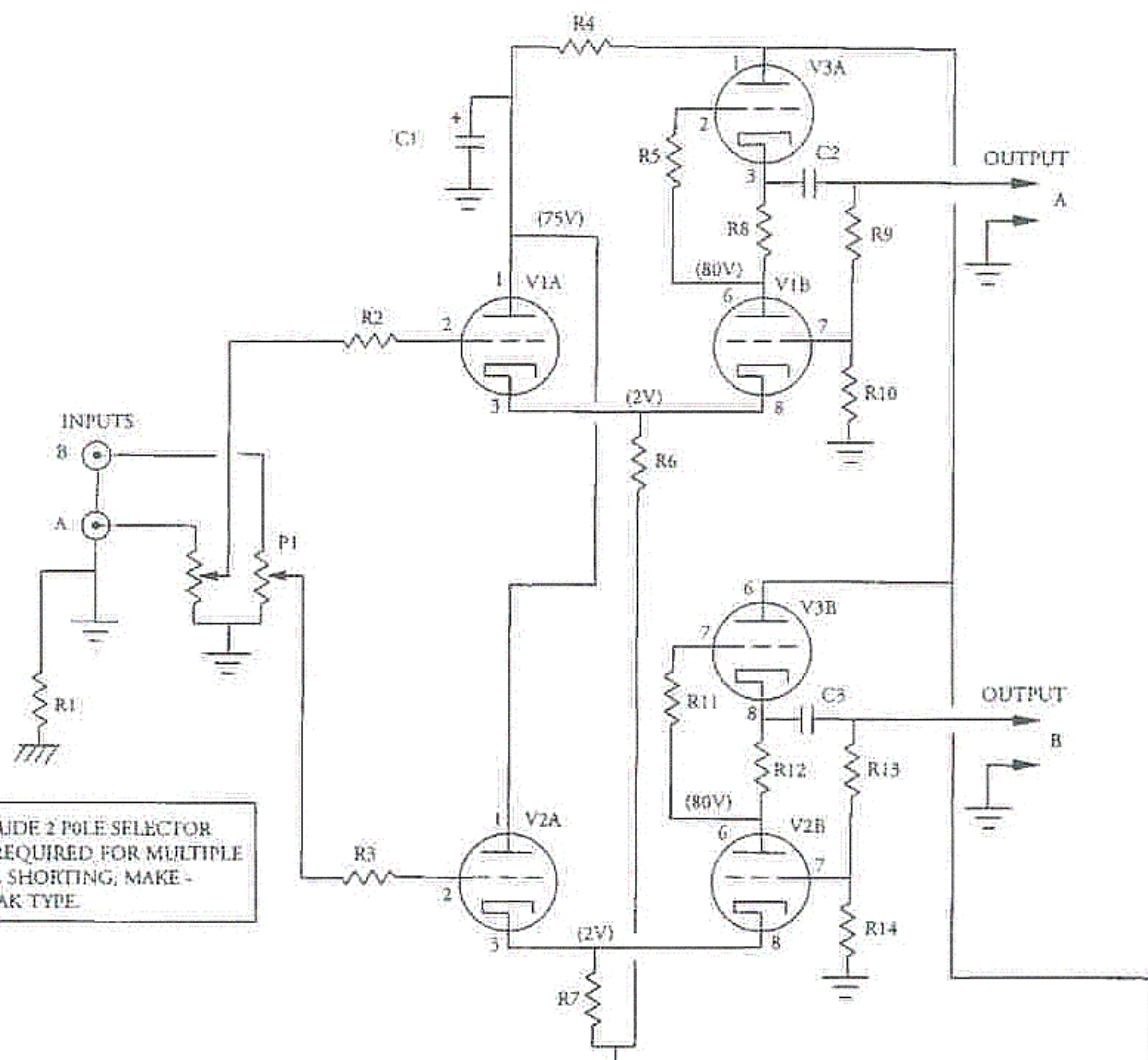


NOTE: INCLUDE 2 POLE SELECTOR SWITCH AS REQUIRED FOR MULTIPLE INPUTS. USE SHORTING, MAKE-BEFORE-BREAK TYPE.



signals. The way to prevent any problems is to always turn the preamp on first, wait 15 seconds, and then turn on the power amp. Tube power amps pose no threat because they cannot pass signals of these extremely low frequencies. One way to engineer this away is to connect a muting relay with a 15-second timer that shorts the outputs to ground and then connects them to the circuit at the expiration of the timing cycle. Many commercial preamps employ circuits of this nature for the very same reason. It's time to hook it up to your system and have a listen!

PARTS LIST

R1	10
R2, R3	10K
R4	30K-2W
R5	10K
R6, R7	51K-2W
R8	3K
R9	100K
R10	20K
R11	10K
R12	3K
R13	100K
R14	20K
R15	5.1K-2W
R16	10K-2W
R17	5.1K-2W
R18	10K-2W
P1	DUAL POT, 50K, AUDIO TAPER
C1	22MF-350V
C2, C3	1.0MF-400V, quality film type
C4 - C11	22MF-350V
C12	.01MF-600V
C13	1000MF-25V
D1- D8	1A-1000V, 1N4007 DIODE
Z1-Z4	100V-5W ZENER DIODE
IC1	GENERIC 12V-1A REGULATOR
T1, T2	120V-50MA TRANSFORMER
T3	12V-1A TRANSFORMER
F1	1/2A, SLOW BLOW FUSE
S1	3A, SPST SWITCH
V1-V3	12AU7A VACUUM TUBE