

# TubeHead Plan Set

## TubeHead kit from PAiA

The TubeHead is particularly useful with Microphones and Synths as well as Samplers, DAT, CDs and other digital sound sources. It's a natural complement to our Dual Phantom Powered Pre-amp (#9215K) for condenser microphones.

The PAiA kit comes with two Sovtek 12AX7 vacuum tubes, shielded porcelain sockets and all electronic and mechanical parts, including the fully enclosed rack case, as listed in the "Parts Required" list. The well illustrated, step-by-step Assembly and Using Manual written by John Simonton may be ordered separately for evaluation.

9305KS.....TubeHead preamp kit..... \$109.00  
please add \$7.00 s&h continental US.  
Fax, call or write for overseas shipping.

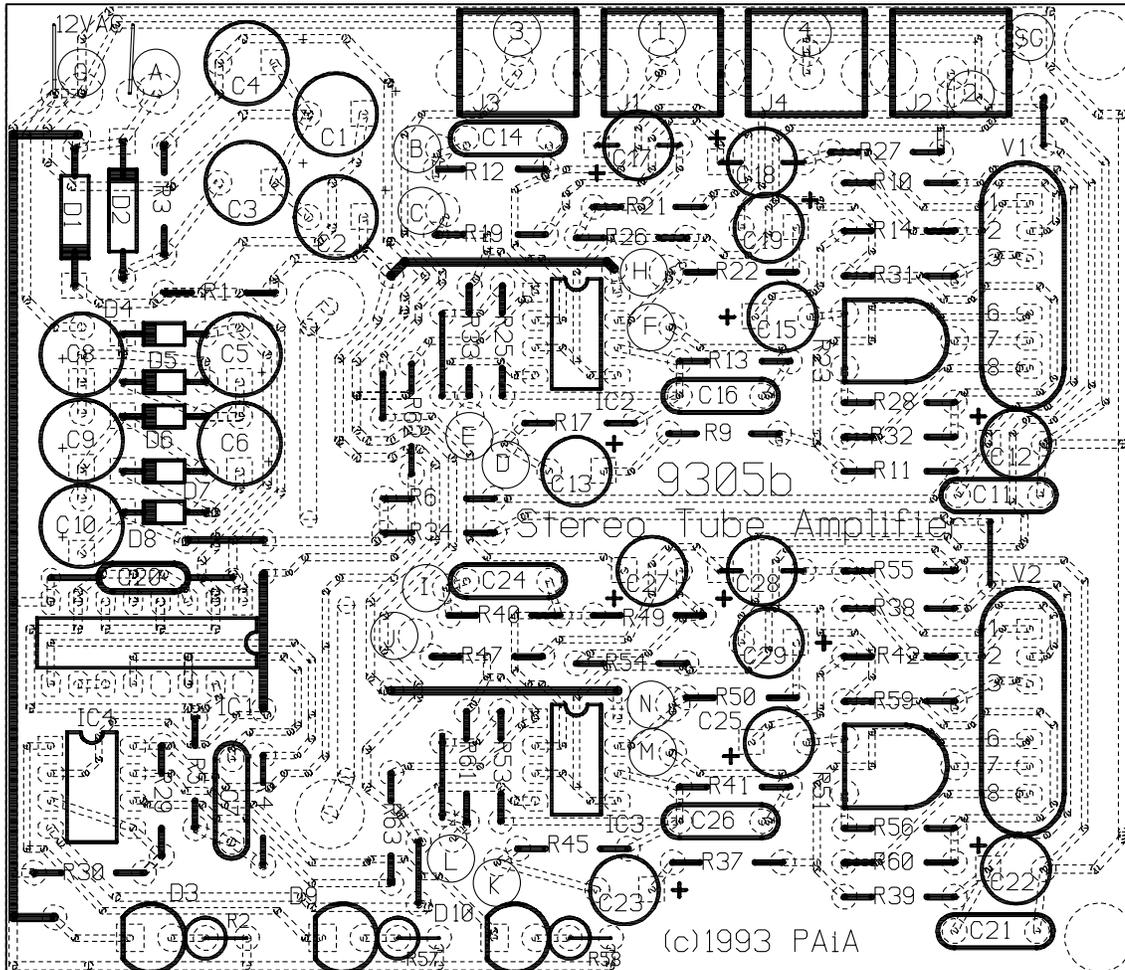


Fig 1. This view of the circuit board with phantom traces will be useful if you need to trace out the circuit.

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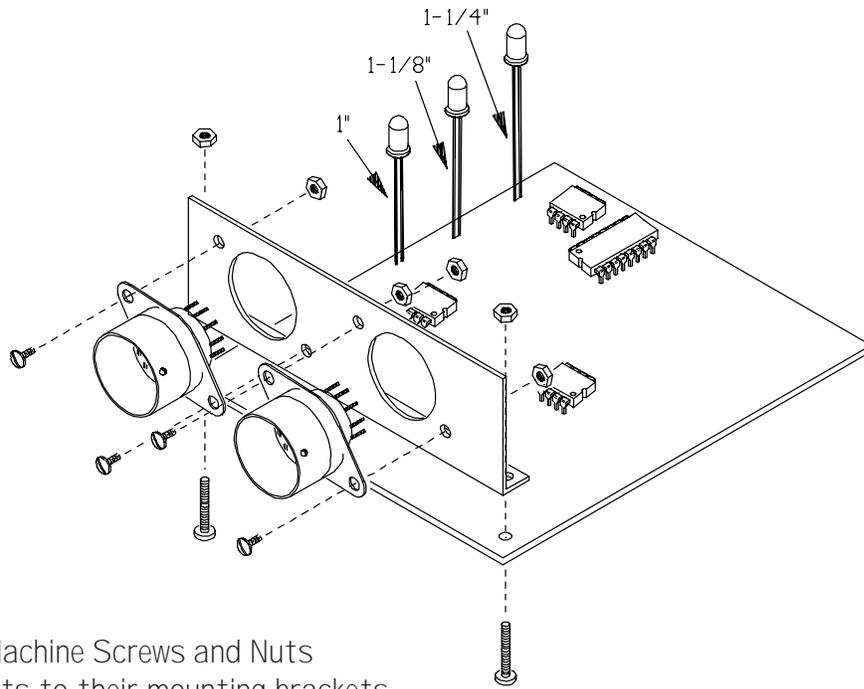


Fig 3. Four #4 X 1/4" Machine Screws and Nuts attach the tube sockets to their mounting brackets. After wires from the tube sockets to the circuit board are in place, the bracket is temporarily screwed to the circuit board with the same #4 X 1/2" screws and nuts which will later hold the assembly in the case.

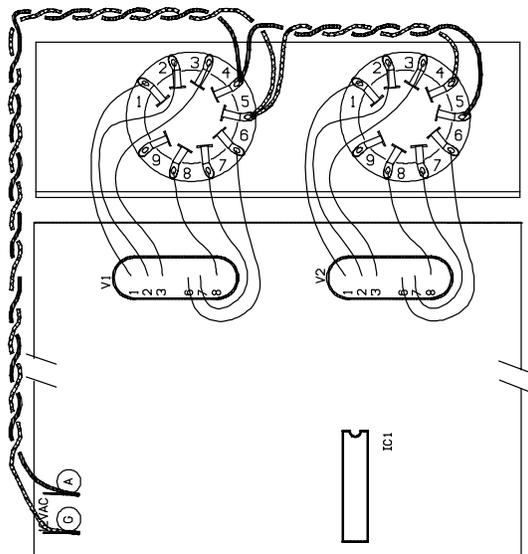


Fig 4. The wires that carry power to the tube filaments are twisted together to reduce magnetic fields. The insulated sleeving used on the other wires is not shown here.

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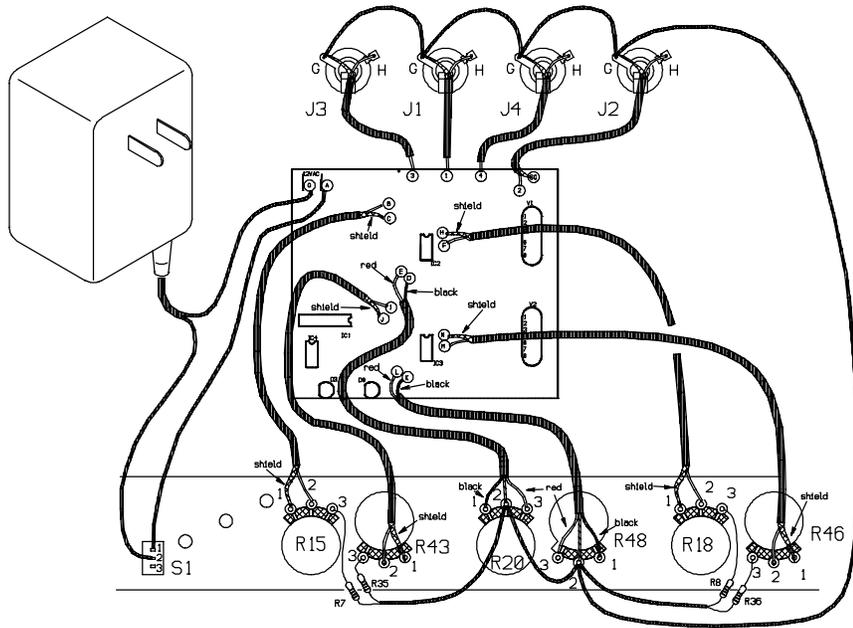


Fig 5. Single strand insulated wire, co-ax and twin-ax connect the TubeHead circuit board to controls and Jacks. Wire lengths have been exaggerated for clarity.

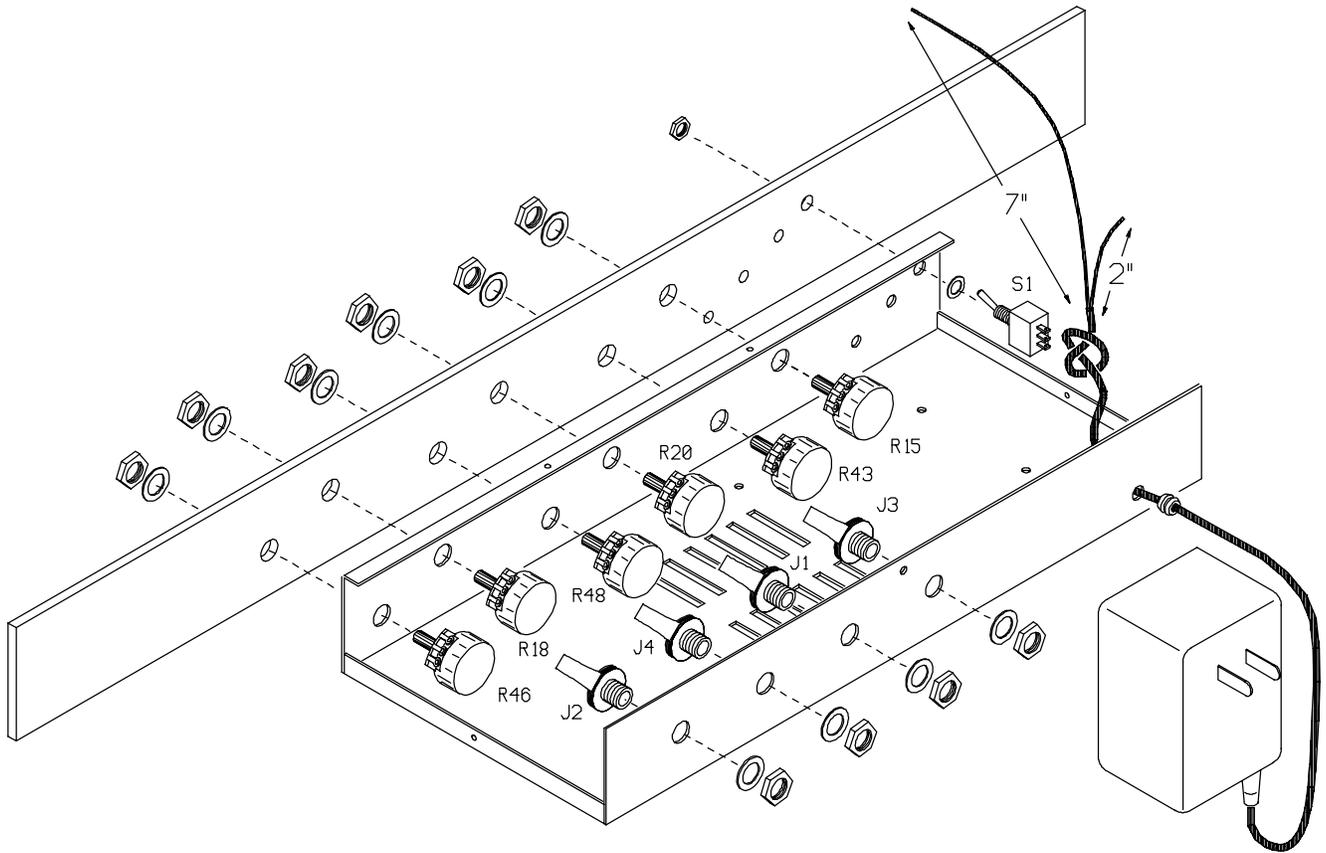


Fig 6. The only hardware that attaches the case to the rack panel is the threaded bushings of the pots and power switch. Wiring which is already connected when the Case and Panel are joined is not shown for clarity.

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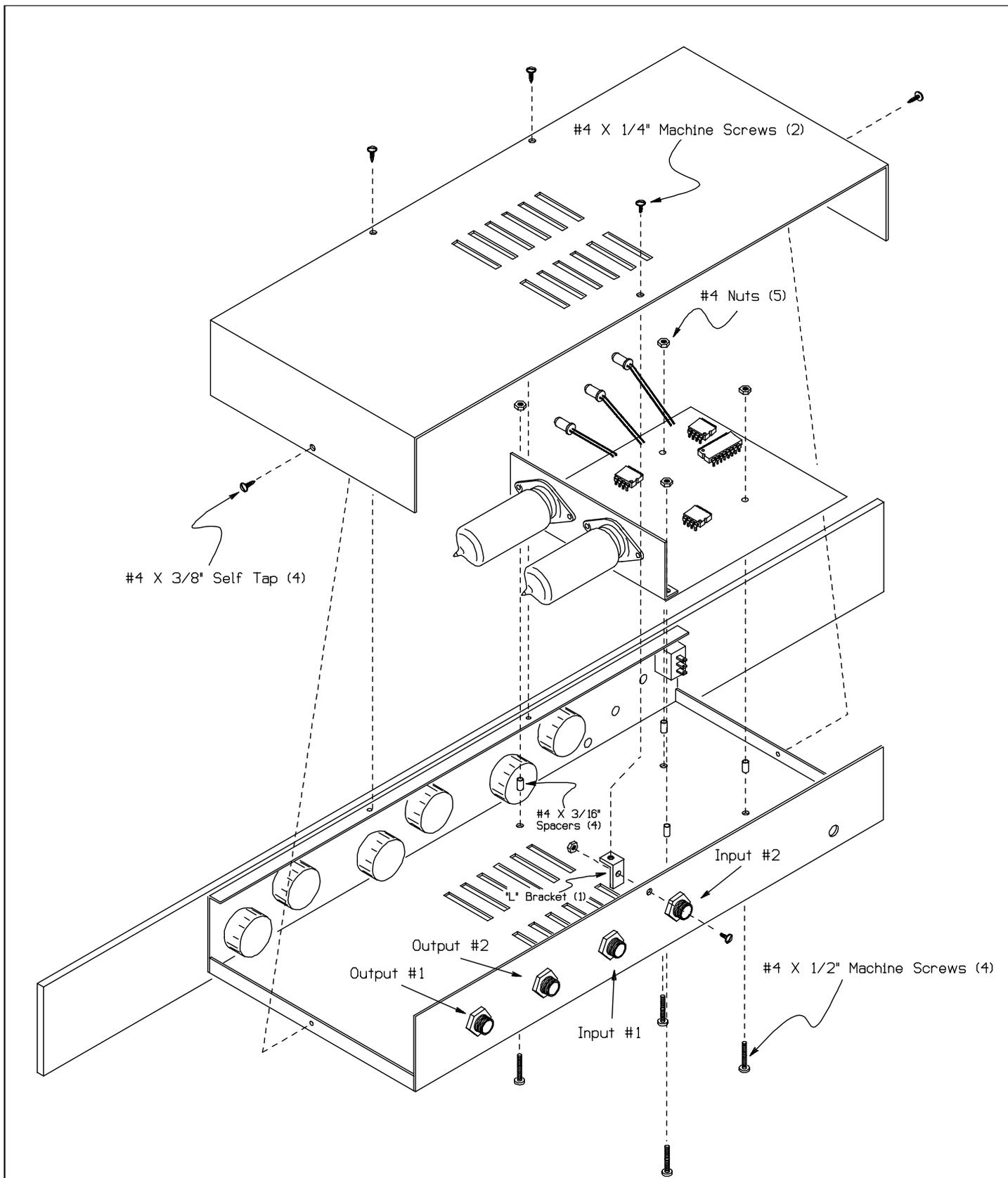


Fig 7. The Circuit Board mounts in the Case Bottom using 3/16" aluminum standoffs, 1/2" Screws and Nuts. Two of the Screws also hold the Tube Bracket in place.