



NOTE!
If you have no bias tap you may connect these 2 points for bias.

Optional:
Can be 100ohm to ground filaments, or can be 1ohm connected to pin 8, V4&5 to check bias.

Bias resistor (47k circled in red) may need to be changed to get correct bias range. Larger values=less idle current

V1-3 - 12AX7
V4&5 - EL34
(red circles indicate heaters)
(black arrows indicate grounds)