

Unit is a Techeunion TU915
The Unistar 15A2 looks identical
and PCB is labeled Unistar 15A2

This is sort of a hybrid schematic-board layout. Tube one is
upper left on amplifier when amp is upside down and tubes
away from you. This was done because I was interested in
function of this amplifier due to the little info available online.
Tubes in amplifier don't match info online. They are:
12ax7, 12ax7, EL34, EL34, EL34, EL34, 12ax7, 12ax7
Online info says 12AT7x2, 12AUx2, EL34(6CA7)x4 in unknown order

Resistors and diodes don't have R and D annotations
Capacitors have doubles. Kicad didn't like this.
So ignore anything after C1

Capacitors C5s are a point of confusion.
One was a factory brand capacitor and was
50u 100V. The other looked to be replaced
as it was a different brand with a 470u 16V
cap. One C5 is marked 470u 16V on the board,
the other is not. Replacing with 470u 16V due
to I think it unlikely you get 16mK from the 12ax7
across the 1K resistor to blow the cap.

C4s and C6s capacitors were replaced with 2200u
rated for 250V as the hing line voltage put 22V
on the 200V caps.

Left and right ch use different triode halves
on the 2 input stages to keep physical symetry

Dotted line denoted circuit board

R2 resistor is labeled
100K. Someone J hooked
a 76K in series on top of
the board. Owner says
bought new, no repairs!

Voltages noted were measured in use.
Line voltage as measured

