

Re: Orange AD 15 Combo ...

Source: <http://sci.tech-archive.net/Archive/sci.electronics.repair/2009-02/msg00260.html>

- *From:* "bg" <bg@xxxxxxxxxx>
 - *Date:* Sun, 8 Feb 2009 18:50:35 -0700
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Arfa Daily wrote in message ...

Oscillation means feedback. There has to be a feedback path, and the gain has to be high enough to sustain oscillation. I found a web page that mentioned something about a 1000p cap placed across a plate load resistor specifically to avoid oscillation. The schematic didn't appear to be from an ad 15 combo. Some people were removing that cap as a mod to get a

brighter

sounding amp.
Another thought – the schematic I downloaded for this amp shows a connection from the 2nd stage grid back to the first stage input jack. It appears that the purpose of this is to ground the second grid when nothing is plugged in. If something is a bit bent in that jack, it might be possible for this

2nd

grid to be connected to the 1st grid, which will make a feedback loop when the volume control is turned up. Positive feedback will also increase the noise. Something has to have changed because I don't think they would have been able to sell a crappy design and stay in business.

Good thoughts. I will check them out Monday. Interestingly, I did try

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hanging 1000pf across both of the load resistors, and they did produce a significant improvement, but not enough to actually totally stop it

hooting.

You could also definitely hear these caps starting to knock the

'brightness'

on the head. As you can now see from the schematic, one or two aspects are

a

little 'unusual' compared to the norm – that