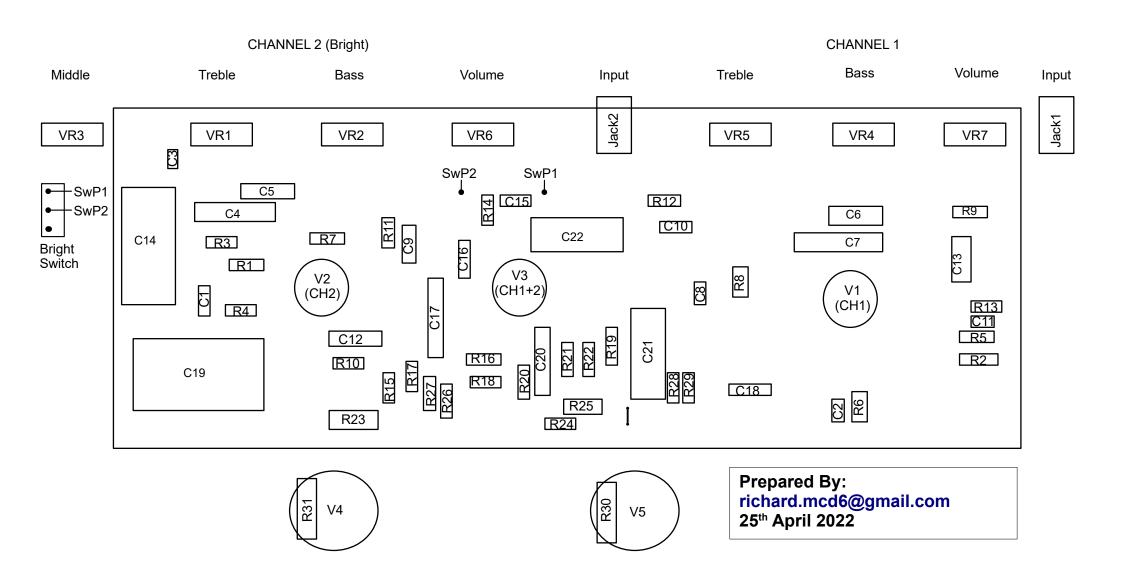
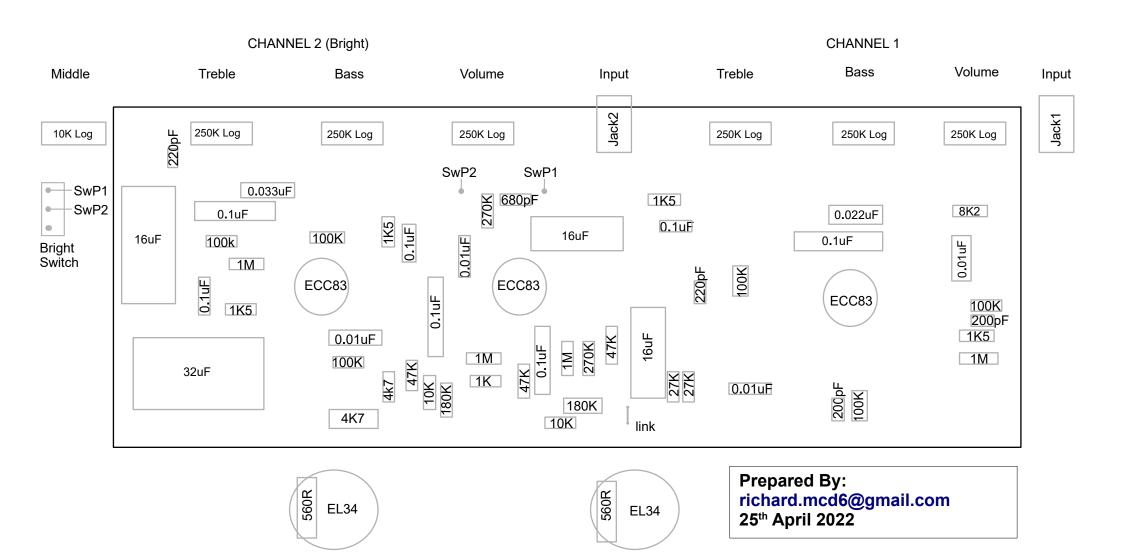
WEM DOMINATOR 50 - COMPONENT LAYOUT

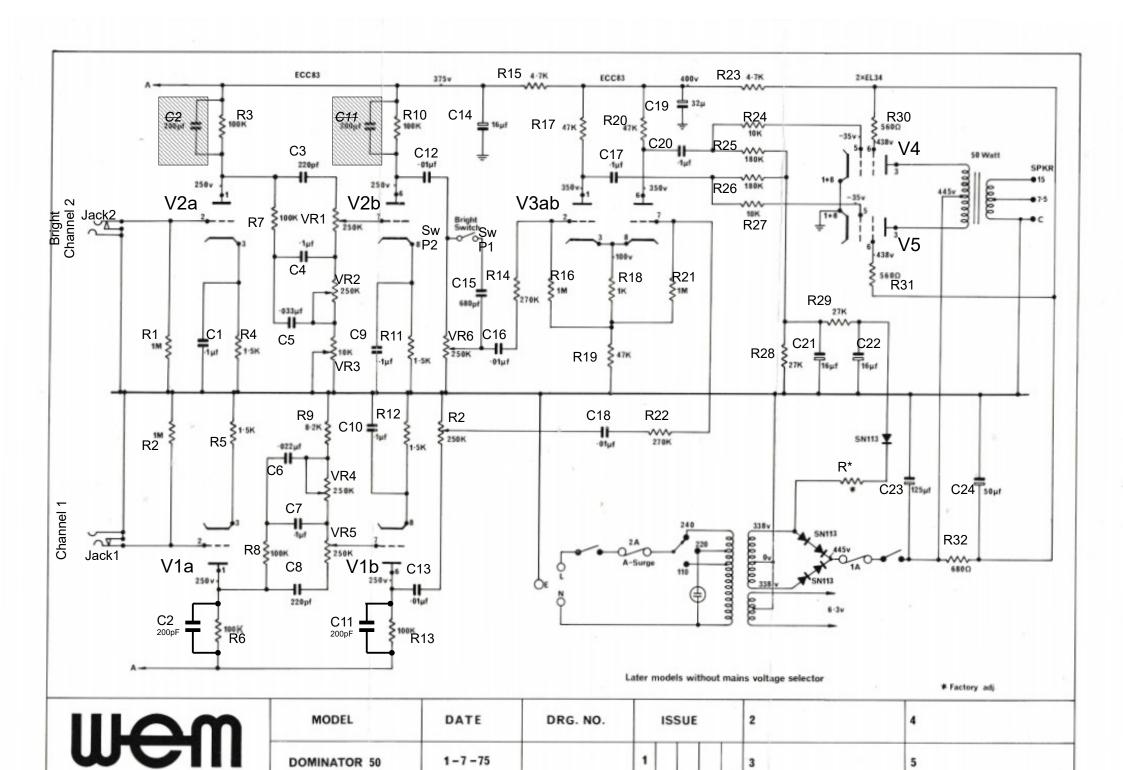


WEM DOMINATOR 50 - COMPONENT VALUES





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Dominator 50 Component Layout Notes

Note 1: C1 and R4 are physically reversed in some amplifier builds I've seen pictures of. It makes no difference to the operation as the components are in parallel.

Note 2: C16 and R14 locations:

C16 and R14 are physically swapped with each other in all pictures of builds I've seen. This means that pin2 of the valve V3ab is actually connected to one end of C16 (as well as one end of R16). The other end of C16 is then connected to one end of R14. The other end of R14 is then connected to the junction of VR6 wiper and one end of C15. Although it's not a problem it can cause some head scratching if you're fault finding.

Note 3: C2 and C11 locations:

The original circuit diagram shows them as being on Channel 2 but they are in fact physically on Channel 1. I have annotated the circuit diagram to show this.

Possible reason: The Dominator 50 and MK3 are very similar and much of the layout would have been shared. The Dominator MK3 had it's bright Channel on the left as you looked at the face of the amp. However, the Dominator 50 has its bright channel on the right. C2 and C11 have been physically left in the same position on the Dominator 50 board as they were originally installed on the MK3 board, i.e the left side. Consequently C2 and C11 were installed to the wrong Channel.

This doesn't seem to cause any noticeable issues but if there are any analogue circuit experts out there who think it might I'd be interested to know.

Note 4: Unusual design issue on Channel 2:

When the Bass, Treble and Middle are all fully anticlockwise and an instrument plugged in, there will be no sound from the amp, even with the volume at midpoint. The volume control needs to be at max to get any sound at all (it's not distorted just very quiet). However, turning any of the tone controls individually clockwise the sound comes back. It's unlikely you'll find yourself in this tonal setup but you just one day might!!

Reason: Both Channels' filter circuits are almost identical with the exception that Channel 2 has a "Middle" pot (10K) and Channel 1 has a fixed 8K2 resistor instead. When the Channel 2 Middle pot is anticlockwise it is zero ohms in circuit. The Dominator 50 issue could be fixed by inserting a resistor in series with the Middle pot but this would change the RC filter.

Looking at the circuits of other WEM amps (MK111, Westminster, Clubman etc) it looks like it's only the Dominator 50 that has this design quirk. It's also the only WEM Combo with a Middle pot. All other amps have some form of fixed resistor at this point in the circuit.

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