

DC-DC CONVERTER: Could you please identify the windings of the DC-DC Converter transformer used in the 30W 12-240 PA Amplifier which appeared in your December, 1970 issue? Is the primary winding connected to the bases of TR12 and TR13, or to the collectors? Should the unit be inaudible in operation? Do the dots by the windings signify the starts of the windings?

I find the diagram on page 47 confusing, as it indicates there are two primary windings and no feedback winding. No mention is made of the actual connections in the text, or in the errata given in the March, 1971 issue.

Thank you for your excellent projects and interesting articles. (R.L.H., Kapunda, SA.)

● Thank you for your comments about the magazine, R.L.H. The primary winding is connected to the collectors of the converter transistors, while the feedback winding is connected to the bases. It is standard drawing practice to nominate the start of a winding by placing a dot next to the appropriate wire. When operating correctly, the converter should emit a high pitched squeal.

We agree that the diagram on page 47 is a little confusing, although if it is used in conjunction with the circuit diagram on page 45, it should be fairly easy to sort out how the wires from the transformer connect to the transistors.