

LA100 Application Note 21: Replacing the LA100 Mains Transformer

The mains transformer used in the LA100 is normally quite reliable, but does occasionally fail, usually by going open circuit. Section 10.7 of the LA100 Manual (fourth edition) explains how to test for a faulty transformer.

We have used two different types of transformer in the LA100, and it is very important that the correct transformer is fitted when replacing a faulty one:

LA100 units with a green backlit LCD:	use Avel Lindberg Type OB6/5
LA100 units with a grey, non-backlit LCD:	use Avel Lindberg Type OB6/6

DO NOT ATTEMPT TO USE THE WRONG TRANSFORMER IN AN LA100.

Both types are available from Lindos, and you should specify at the time of ordering which type you require.

Fitting the New Transformer

1. Disconnect the mains power and remove the top and bottom covers.
2. Disconnect the ribbon cables connected to the bottom board and remove the board.
3. Remove the protective plate covering the brown and blue mains wires on the top board.
4. Unsolder the brown and blue wires (noting their position) and unsolder the transformer.
5. Replace the transformer maintaining the orientation (PRI to the front, SEC to the rear).
6. Solder the new transformer in place.
7. Solder the brown and blue wires and replace the protective cover.
8. Replace the bottom board, re-connect the ribbon cables and replace the bottom cover.

PMS 02.02.1994