

## Field Service Note

### Service replacement of special starting devices

There are many refrigeration appliances which have been fitted with a special starting device, previously these have been identified with the part numbers 103N0005 and 103N0012. There are now some newer devices which are also different to the standard devices which have the part numbers 103N0015, 103N0020 and 103N0022. It is possible to replace these devices with one of the standard PTC start devices such as 103N0011 and 103N0016.

The start device 103N0011 is used to replace 103N0005/12 and the start device 103N0016 is used to replace 103N0015/20/22.

Fig. 1

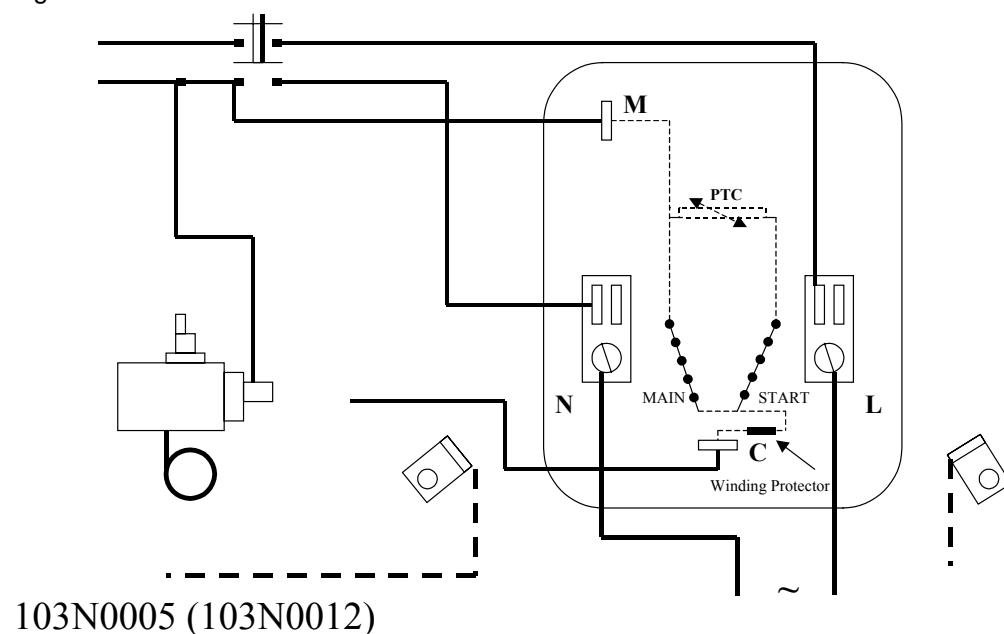


Fig. 1 shows the wiring diagram for the 103N0005/12 which is characterised by the fact that both terminals N and L are blind.

The start devices 103N0015/20/22 are also characterised by the fact that the N and L terminals are blind, but also have a connection for a run capacitor.

Fig. 2

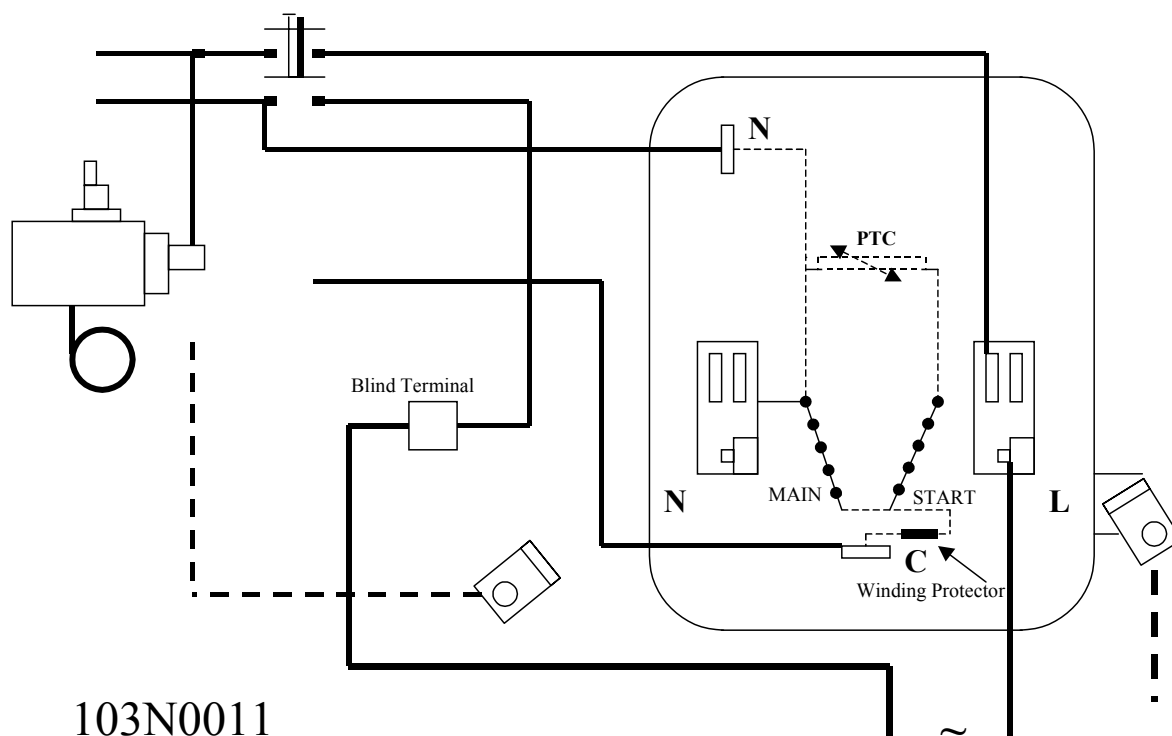


Fig. 2 shows the wiring required when replacing the 103N0005/12 with the 103N0011. This shows that the connections made on the 103N0005/12 blind terminal N must be made separately when using the 103N0011. This is because the terminal N on the 103N0011 is connected to the main winding.

When replacing the 103N0015/20/22 with the 103N0016 the same wiring requirements apply.