

## **CP103, CP104, CP106, CP107 & CP110**

### ALTERNATIVE WIREFEED MOTOR

The W26-0/1 motor/gearbox, part of the W26 wirefeed assembly used in the Weldmatic 120S, 150S, 160S, 175S, 250S and 255S (CP103, CP104, CP101, CP110, CP106 and CP107) has become difficult to obtain. However, the motor/gearbox used in the current model Weldmatic 150 & 175 is very similar, and can be fitted as a replacement available as Part No WF020.

### WF020 PACKAGE CONTAINS:

1 x WF005 motor/gearbox assembly	1 x WF009 multi position adaptor ring
3 x M6 countersunk head screws	WIN426 installation instructions

### PROCEDURE:

1. Isolate the power to the welder.
2. Remove the panels which cover the wirefeeder assembly.
3. Disconnect the wirefeed motor wires.
4. Undo the mounting screws and remove the wirefeed motor. On some models it may be necessary to remove the complete wirefeed assembly to achieve this.
5. Fit the adaptor ring to the gearbox mounting holes on the new WF005 motor/gearbox assembly using the 3 countersunk head screws as per Fig 1.
6. Pass the original mounting screws through the feed plate of the wirefeed assembly and screw them into the threaded holes of the adaptor ring to secure the motor assembly to the wirefeed assembly. The multiple holes of the adaptor ring allow the motor assembly to be positioned in several different orientations. A different orientation to the original one may be necessary to achieve sufficient clearance around the motor/gearbox assembly.
7. **Check that there is clearance between the motor and the metal case of the wirefeeder.** If there is insufficient clearance, use a piece of durable insulation between the motor and the case to insulate the case from the motor.
8. Feed a straight piece of wire through the inlet and outlet guides and check the vertical alignment of the feed roller to the inlet and outlet guides. If it is not correct, adjust the height of the motor (undo the mounting screws - there is a small amount of movement up/down).
9. Check the horizontal alignment of the feed roller to the inlet and outlet guides. If it is not correct fit a thin shim/washer behind the drive roller for correction of misalignment in the horizontal direction.
10. Connect the motor wires to the original connections. On some models it may be necessary to splice the wires onto the existing wires to keep the original connectors. Make sure that the join is electrically reliable and well insulated.
11. Ensure all cabling is secure and clear of moving parts. Use cable ties if required.
12. Fit panels and check operation. If the motor turns in reverse direction, swap over the motor wire connections.

### *QUALITY WELDING PRODUCTS, SYSTEMS AND SERVICES*

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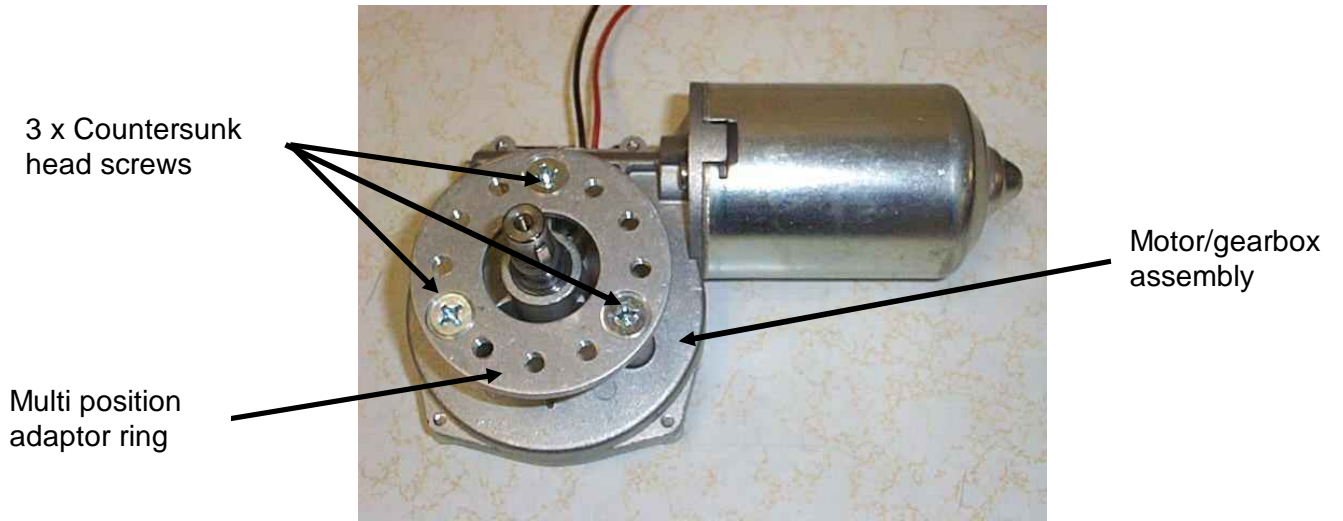


Fig 1 Attachment of Multi Position Adaptor Ring

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