



# Service Bulletin



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BULLETIN # 281

## W64 (3 PIN AND 4 PIN CONNECTOR MODELS)

### MODIFICATION OF WFL014 TO WFL013

**CAUTION: The following information is intended for use by qualified service personnel. When the unit is energised LETHAL VOLTAGES are present on the electrical and electronic components. It is not intended that persons without suitable training and knowledge attempt to perform service tasks on the components of welding equipment.**

The WFL013 (4 pin connection, W64 wire feeder) is in demand as a replacement to support older models of WIA power sources. The WFL014 (3 pin connection, W64 wire feeder) is the standard unit now in use for WIA equipment. Conversion from the 3 pin model to the 4 pin model is possible with a simple replacement of the connector.

In order to support the modification, reference should be made to both the W64 circuit schematic (Figure 1), and the W61 circuit schematic (Figure 2). This shows the required connections in both a 3 pin connection (W64) and a 4 pin connection (W61).

In order to complete the conversion, an additional connector (part number AM112-3/1) will be required. The connector will require solder joints at each of the required pin connections. The compilation of the connector parts can be seen in Figure 3.

The electrical cabling should be removed from the 3 pin connector and the connector discarded. The connections can then be made as the diagram of the W61 feeder, ignoring the need for the black wire at termination 3 (due to the link at the PCB from contactor to return of the 32V supply).

Once completed, the wire feeder should undergo a full test to ensure correct operation of all functions.

#### **Affected serial number:**

Any W64 purchased with the intention of conversion to 4 pin version.

The information provided in this sheet is accurate and reliable, however no warranty of accuracy or reliability is given and no responsibility arising in any other ways by errors or omissions is accepted.







Figure 3 - AM112-3/1 Connector Breakdown

Andrew Stanley  
Technical Service Coordinator

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