

6 September 2006

BULLETIN #204C

W41/W55/W56

MODIFICATION TO W41-12 PCB

There have been some failures of the W41-12, (Issue E) pcb in the field, especially when frequent starts are made. The brake resistor may become so hot that it fails, causing failure of the motor drive mosfet and driver chip, thus disabling motor drive. The following modification shows how to take the brake resistor out of circuit. Factory testing has now demonstrated that the circuit is more robust without the brake resistor.

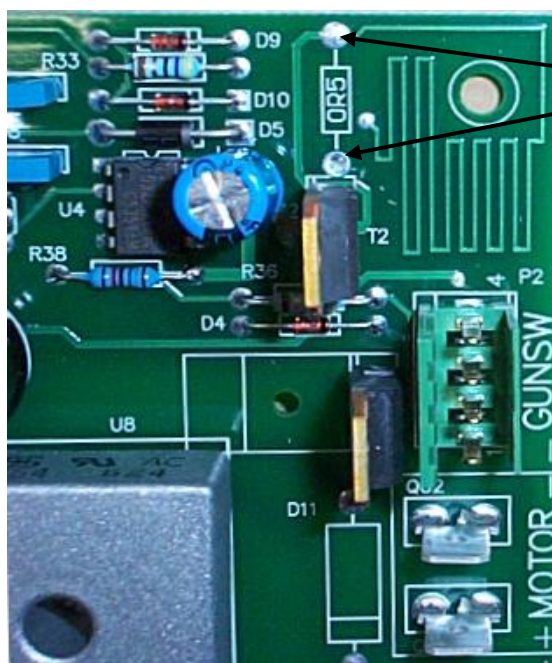
The following table shows which revision of the W41-12 wirefeed pcb this modification is applicable to:

Issue A	Not necessary	Issue B	Not necessary
Issue C	Not necessary	Issue D	Not necessary
Issue E	Most suitable	Issue F	Not necessary

Issue F started with serial numbers W550B0106035009 (2RD) and W560B0106034033 (4RD)

PROCEDURE:

1. Isolate the power to the welder.
2. Remove the covers from the wirefeeder.
3. Unplug the connectors from the wirefeed pcb, carefully noting where each connector goes.
4. Remove the wirefeed pcb.
5. Carefully solder a jumper wire into the position shown. The wire lead from a spare resistor would make a suitable jumper wire.
6. Refit wirefeed pcb and test operation.



Join these two spots with a jumper wire.

Hugh Stewart,
Technical Service Coordinator

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