

11 September, 1998

BULLETIN #153

W41 WELDMATIC WIREFEEDER MODEL W41-0 (2RD) MODEL W41-1 (4RD)

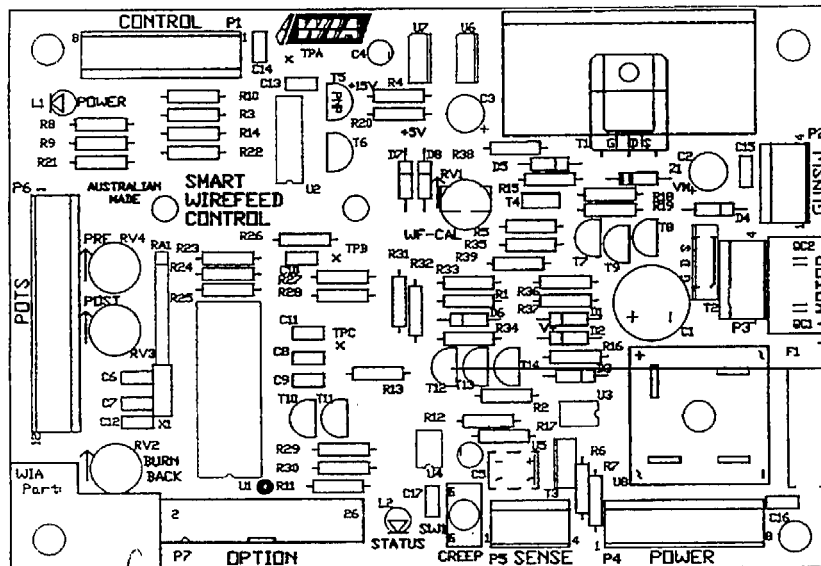
CONTINUOUS GAS FLOW

When the W41 wirefeeder is powered on and with the gun switch trigger off, there has been several reports on the problem of continuous gas flow.

The cause of this problem has been traced to the failure (short circuit) of an NPN transistor on the W41-10 pcb assembly inside the wirefeeder. The component designator of this transistor is T12 and it is used to switch on the gas valve.

It was discovered that a batch of production PCBs have been assembled using BC337-16 or BC337-25 in place of the standard transistor, BC337-40. The BC337-16 and BC337-25 have a lower gain and the W41-10's design for the gas valve switching requires a high gain transistor BC337-40 to be used. (Please note that the lower gain transistors appears to function satisfactory in the rest of the pcb assembly.)

Anyone encountering this problem should replace the T12 transistor with BC337-40. WIA part number for this transistor is W11-6/21. Refer to the diagram below for transistor T12 position.




James Chin

Technical Service Co-ordinator - Marketing

QUALITY WELDING PRODUCTS, SYSTEMS AND SERVICES

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