

2 August, 1996

BULLETIN #135

SYNCHRO-PULSE CDT 450 INTERRUPTION TO WELDING

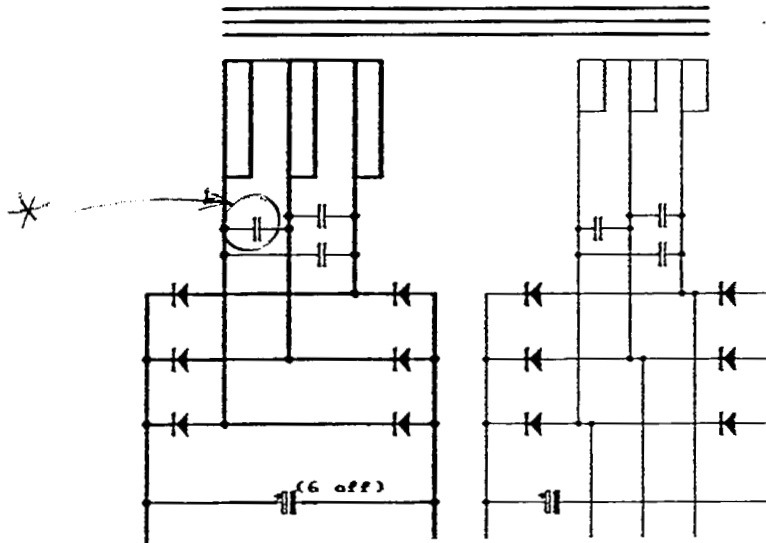
An unusual CDT fault has been identified. The fault symptoms were that the machine randomly 'hesitated' during welding, and on observation, the flashing of the 'beacon light', LED 4 on circuit board CP38-10, could also be seen to hesitate. Other than this, the machine worked normally.

The behaviour of the beacon LED suggested that the normal operation of the CP38-10 micro-processor was being interrupted by electrical interference. There were no HF tig sets operating nearby.

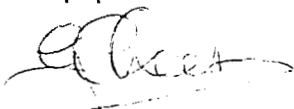
After considerable investigation, it was found that interference was being generated by the machines' main rectifier assembly, due to a fractured diode protection capacitor lead.

Repair of the capacitor corrected the original problem.

Thanks to Reg Brost for identifying this fault.



Gary Cheesman
Equipment Product Manager



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