

27 MARCH, 1992

BULLETIN.021

SYNCHRO-PULSE CDT450: CP38 CP38-16 WIREFEED CONTROL PCB

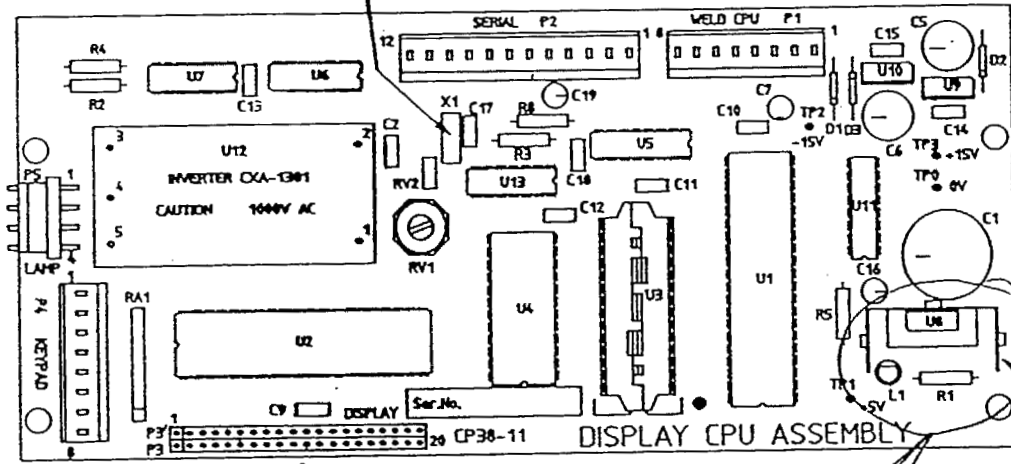
In early production models of this machine, the two (2) screws holding the male spade lugs onto the Aluminium heatsink assemblies, of the CP38-16 wirefeed board, need to be reversed, so that the head is on the top and the screw is pointing downwards.

This is to prevent a short circuit occurring between the 30 Vac supply, and the heatsink mounted on the CP38-11 Display PCB Assembly.

If the above fault does occur, one of the tracks on the top of the CP38-10 PCB (connecting P4/1 to Ground) will become over-heated and open-circuit, which then causes the wirefeed motor to run at maximum speed. If the damaged section of track is replaced, it is likely the circuitry will again operate correctly.

Refer to attached drawings for further details.

USE CARE WHEN FITTING CRYSTAL
(GLASS SEAL IS FRAGILE)



P3 MOUNTED ON
REAR SIDE OF PCB
SOLDER USING JIG PROVIDED

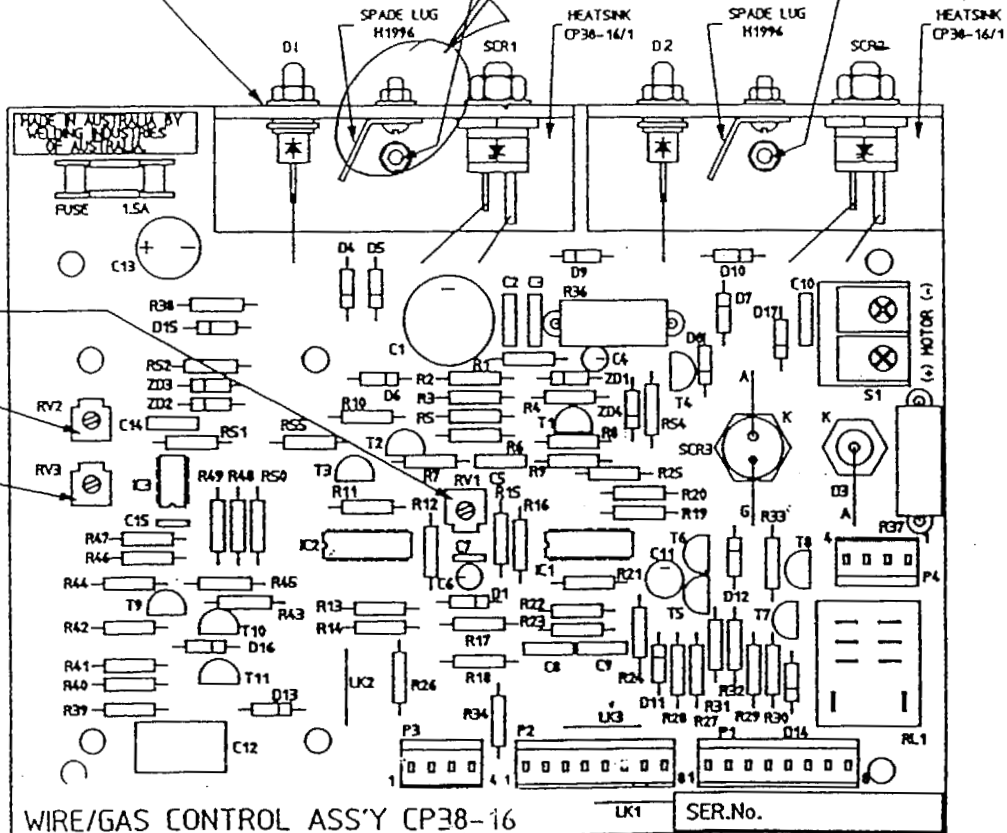
HEATSINK
CP36-10/33
TABS MUST BE BENT
OVER WHEN FITTING.
(DO NOT TWIST)

Can touch & short-out.

USE DOW-CORNING HEATSINK COMPOUND
No.340 BETWEEN ALL SURFACES WHERE
THERMAL CONTACT IS REQUIRED.

BRASS SCREW (USE STAR
WASHER BETWEEN HEAD AND
TRACK ON REAR SIDE OF PCB)

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WIRE/GAS CONTROL ASS'Y CP38-16

SER.No.