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BULLETIN #166

WELDMATIC 215S

1.CONTROL BOARD MODIFICATION

The first 102 CP109-0's (up to serial number C1090A1000525) were fitted with a triac controlled by the Control Board CP109-10 Issue C.

Due to difficulties in securing a long term supply of suitable quality components, the triac was then changed to a back to back SCR module and the Control PCB became CP109-11 Issue B.

All production of CP109-1 models incorporates the SCR module and CP109-11 PCB.

2.NO WIRE FEED

In response to a small number of field failures, Control Boards CP109-10 and CP109-11 have been modified to prevent non operation of the wire feed. R57 was changed from 3k3 to 1k, to prevent the possibility of the wirefeeder motor being driven at the same time as it's brake circuit. This failure would result in damage to the Control Board, and wire feed failure. This modification has now been implemented in both the CP109-10 Issue D and CP109-11 Issue C boards, and any of these boards supplied as a spare part will be of the modified type.

Service Work

This presents some important service issues when replacing either the Control Board or the triac on the CP109-0 if it has a serial number less than C1090A1000525 (inclusive) . These machines can be easily identified in the field because the triac is a round shape and black in colour, whereas the back to back SCR module is rectangular in shape and white in colour.

If the Control Board needs to be replaced on a machine fitted with a triac, use part number CP109-10N (or R).

If the triac fails it can be replaced by the same triac, part number CP101-11/2.

Hugh Stewart,
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