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BULLETIN #144

SYNCHRO-PULSE CDT 450**ALL MODELS****ARC VOLTAGE FILTER - LOW CURRENT OPERATION**

It has been shown that the welding characteristics of the CDT-450 at low currents, particularly when welding with aluminium or stainless steel, can be significantly improved by the addition of a filter network to the incoming arc voltage signal.

The filter circuit is now available as an assembly, WIA part number CP38-104, and is readily fitted to the CP38-10 printed circuit board.

Please refer to the attached instruction sheet for full fitting details.

The filter circuit will be factory fitted to all CDT models produced as from this date.


Gary Cheesman

Equipment Product Manager

QUALITY WELDING PRODUCTS, SYSTEMS AND SERVICES

Instructions to fit CP38-104 Arc Voltage Filter to CP38 CDT 450

Remove screws to allow access through door panel on front of CP38 power source.

Identify CP38-10 Circuit Board and locate four-way screw type terminal block at lower edge of board.

Terminal block will have coloured wires fitted, in order from left to right, Black, Red, Orange and Pink. (White on earlier models)

Disconnect Orange and Pink wires. Some cable ties may need to be removed to allow accessibility to separate the Orange and Pink wires.

Remove the two terminal screws from the former positions of the Orange and Pink wires on the four-way terminal block on the CP38-10 Circuit Board.

Fit the Arc Voltage Filter circuit board to the vacant terminals using the two long screws, and the two tubular spacers supplied.

The screws are fitted through the Arc Voltage Filter Circuit board, through the spacers and then screw into the terminal block on the CP38-10 circuit board.

Refit Orange and Pink wires from the wire harness to screw terminals of the filter module, in the original order from left to right, Black, Red, Orange, Pink (White on earlier models)

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