



# Service Bulletin



Date 13/10/2015

BULLETIN # 247

## WELDARC 140I AND 180I

### DISABLE/ENABLE VRD

Due to demand from some customers, the VRD function can now be changed on new stock of Weldarc 180i and all Weldarc 140i

The VRD Status of the 3 WIA Inverter models is:

Weldarc 140i comes standard with VRD disabled (open circuit voltage is high – approx. 70 volts). VRD can be enabled (for low open circuit voltage) by a service agent.

Weldarc 180i with serial number M1032A0115??? and M1032A0715??? comes standard with VRD enabled (for low open circuit voltage). It cannot be disabled.

Weldarc 180i with serial number M1032A0815001 and later come standard with VRD enabled (for low open circuit voltage). VRD can be disabled by a service agent.

Weldmatic 200i (all serial numbers) come standard with VRD enabled (for low open circuit voltage). It cannot be disabled.

If the customer wishes to have the VRD enabled on a 140i or VRD disabled on a later model 180i, contact a service agent who will be able to remove the covers and reposition the selector to change VRD status.

To remove covers from Weldarc 140i and 180i and Adjust VRD Selection.

Remove:

4 x handle screws and handle.

2 x screws on top panel that are revealed when the handle is removed (180i only).

1 x lower panel screw on right hand side and 1 x lower panel screw on left hand side.

Gently ease the front and rear plastic ends apart and then lift the sheet metal cover off the unit (once the panel is lifted, be careful not to damage the earth wire which is connected to it). You can place the top cover alongside the machine without removing the earth wire while changing VRD selection.

Locate the 8 pin connector CN101 on the main power pcb (as per photo on page 2).

Remove the jumper link and reposition it to alter the VRD selection to the desired one as per diagram on page 2.

Carefully fit the top cover back onto the machine taking care that it fits correctly and does not trap any wiring.

Refit the panel screws and handle.

Check machine operation.

With VRD enabled the open circuit volts should be approx. 10 volts dc and the VRD Safe indicator on the front panel should be lit until an arc is struck. During welding the VRD Safe indicator will be off. Once welding ceases, the open circuit volts should be approx. 10 volts dc and the VRD Safe indicator on the front panel should be lit.

With VRD disabled the open circuit volts should be approx. 70 volts dc and the VRD Safe indicator on the front panel should never be lit.

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. Any information involving mains or high voltage is intended for use by qualified electrical personnel only.



HOBART

welding.com.au 1300 300 884



Position of Jumper Link for VRD Enabled (low open circuit voltage)

Position of Jumper Link for VRD Disabled (high open circuit voltage)

