



Service Bulletin



05/05/2021

BULLETIN # 273

WELDARC 145I (MC106)

E-01 ERROR TOLERANCE ADJUSTMENT/REMOVAL

CAUTION: The following information is intended for use by qualified service personnel. When the unit is energised LETHAL VOLTAGES are present on the electrical and electronic components. It is not intended that persons without suitable training and knowledge attempt to perform service tasks on the components of welding equipment.

The Weldarc 145i has an over-voltage protection circuit to protect the unit from voltages in excess of 265V. This can be problematic when operating from localised power supplies (i.e. generators) in switching the output off once the 265V cut off has been activated.

It has been seen in some models that the tolerance has been set low, to 255V. In these machines, it is advised the protection be removed.

The error E-01 will be shown on the display when the over-voltage protection circuit has been activated. There is no way to reset this without switching the machine off and on again, which can be frustrating to some operators.

In order to remove the E-01 (and remove the over-voltage protection circuit), please follow the steps in the following reset procedure (pages 2 and 3)

Affected serial number:

Serial numbers M1062Axx20xxx may be affected.

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.

Reset Procedure.

1. Adjust the machine to minimum current.
2. Connect the machine to mains power – Do not switch on.
3. Press and hold the mode select button, at the same time apply power to the machine using the power switch.
4. Continue to hold the mode select button until “CH” and then “000” appears on the display (Figure 1).

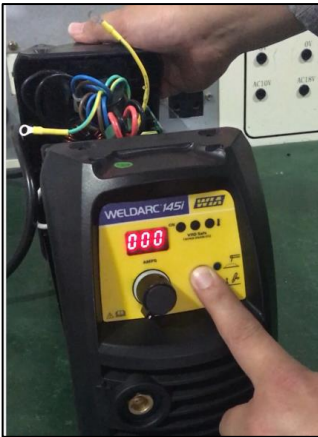


Figure 1 - 000 displayed

5. Release the mode select button.
6. Press and release the mode select button. “Ad1” will show on the display.
7. Rotate the current adjustment knob until the display reads “000” and adjust to “200”.
8. Press the mode select button again. “Ad2” will show on the display.
9. Rotate the current adjustment knob. The display will start at “064”, adjust to “220”.
10. Press the mode select button again. “_ _ _” will show on the display, then change to “020”.
11. Press the mode select button again. The display will change from “_ _ _” to “145”.

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- Adjust the knob to the position of the figure "5" (one o'clock position), as Figure 2 shows below.



Figure 2 - Rotation of current selection knob

- Press the mode select button once more. This confirms the settings. The machine can now be switched off.

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