

Step Down Unit Output Voltage Increase

Instruction No.: SP85_CI04

Product: SP85

Operation: Increase the output voltage of the step down unit

Health & Safety Considerations:



Standard Practices Only

Tools Required: Pozi-screwdriver (PH-2), Terminal Screwdriver, ¼” Ratchet, ¼” Ext. Bar, ¼” 10mm Socket, Multimeter

Consumables Required: None

Parts Required: None

Notes/Other References:

[Disclaimer](#)

All update activities should be carried out by a competent MEWP service technician adhering to standard health and safety practices.

Whilst every effort has been made to include all information and details required to facilitate the mentioned updates should you have any queries contact the Niftylift Service department via service@niftylift.com.

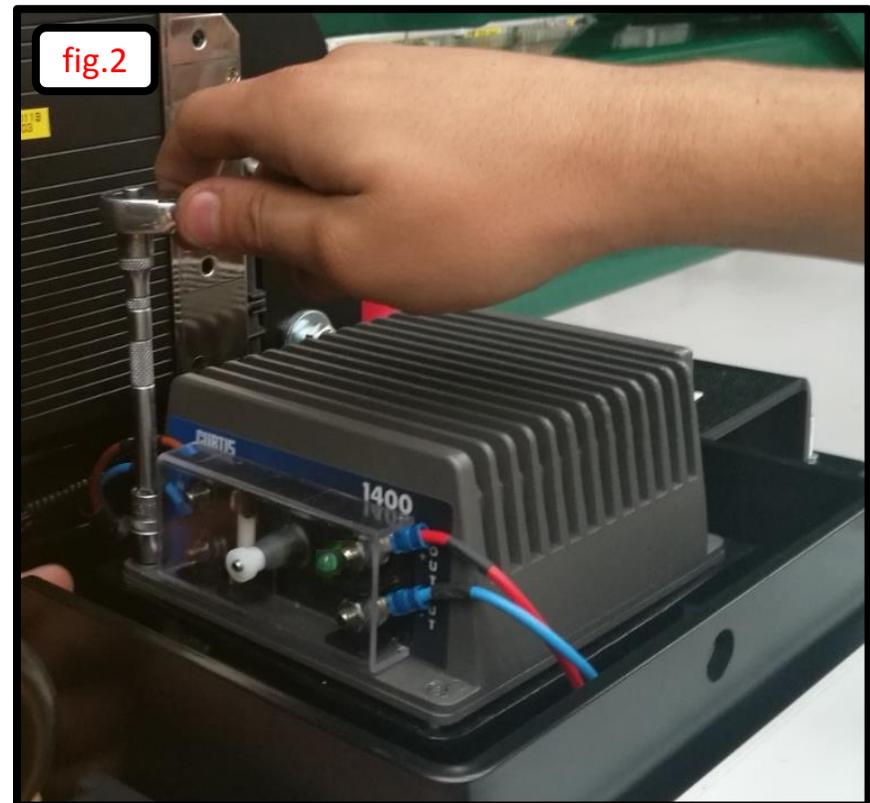
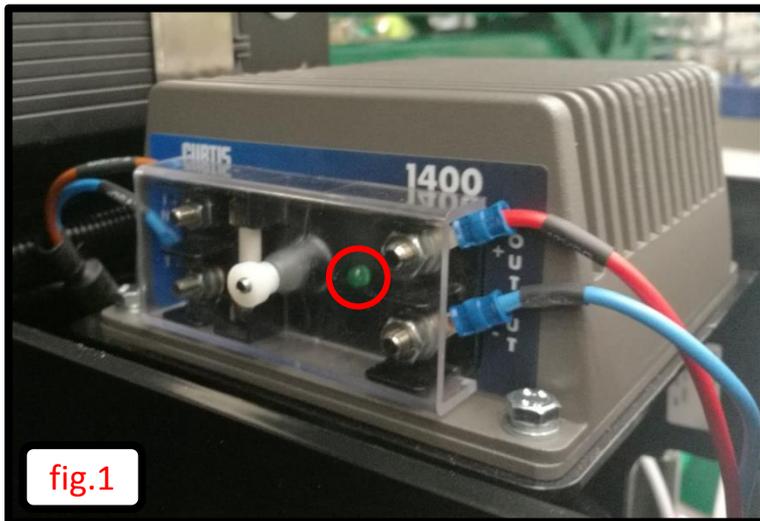
1. Fully isolate the machine.

Push in the base E-Stop (fig.1), locate the two Anderson connectors at the rear of the turret (fig.2) and disconnect them (fig.3).



2. Unbolt the step down unit from the control side tray.

Ensure the GREEN power LED is not illuminated (fig.1). Using the ¼" Ratchet, Ext. Bar & 10mm Socket remove the 4x M6 hex fastening bolts located in each corner of the step down unit (fig.2).



3. Remove the base casing plate of the step down unit.

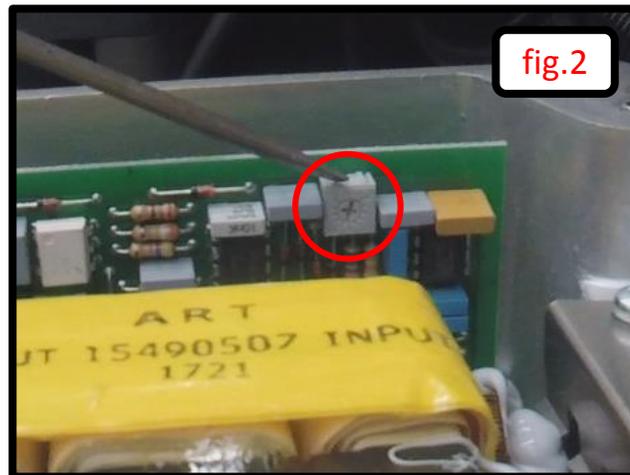
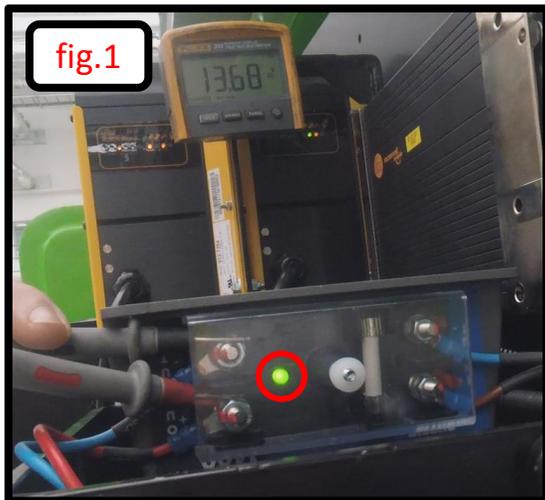
Flip the step down unit over being careful of the connected wires (fig.1). Using the pozi screwdriver remove the 4x screws (fig.2) and lift the base casing plate off of the unit (fig.3).



4. Adjust the potentiometer to 14.4V.

Un-isolate the machine and ensure the GREEN power LED is illuminated (fig.1). Using the Multimeter as shown (fig.1) read the current output voltage of the unit. Locate the potentiometer (fig.2) and using the terminal screwdriver adjust it until the output voltage is 14.4v (fig.3).

Safety Critical: the potentiometer should only be adjusted when the machine is isolated.



5. Reassemble the step down unit to the control side tray.

Reattach the base casing plate (fig.1), flip the unit back upright (fig.2) and then bolt the unit back to the control side tray (fig.3).

