

Replacement of 2400 Cooling Fans – 2 x P/N: VN0017

1

Switch off the converter and wait 5 minutes before you remove any covers / panels / back panel as both sides has to be accessible, to replace the Cooling Fans.



Warning!


Capacitors remain charged to dangerous voltages.
Discharge time: 5 minutes

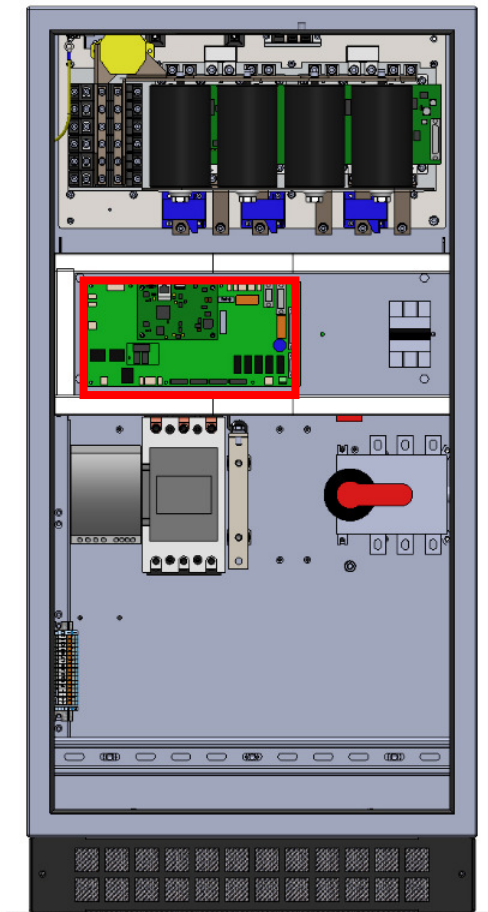
Please remove the protective cover located behind the front door.

Caution!

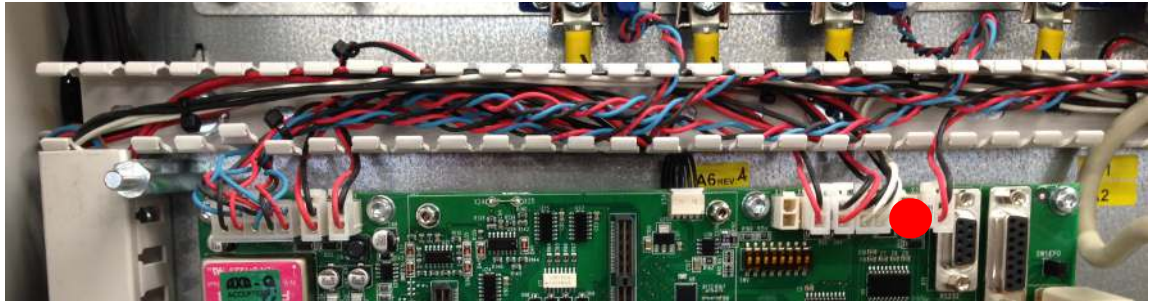
Check that DC Voltage on the DC-Busbar, has discharged before proceeding.

2

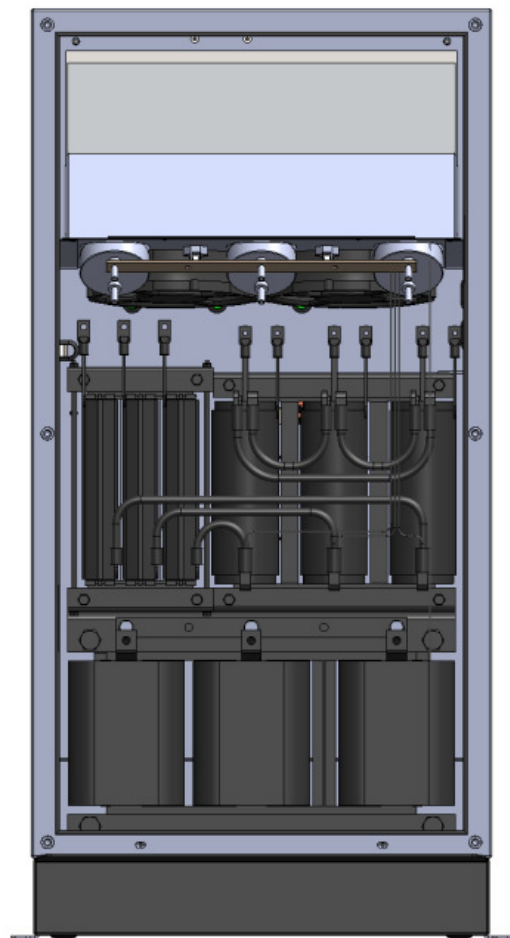
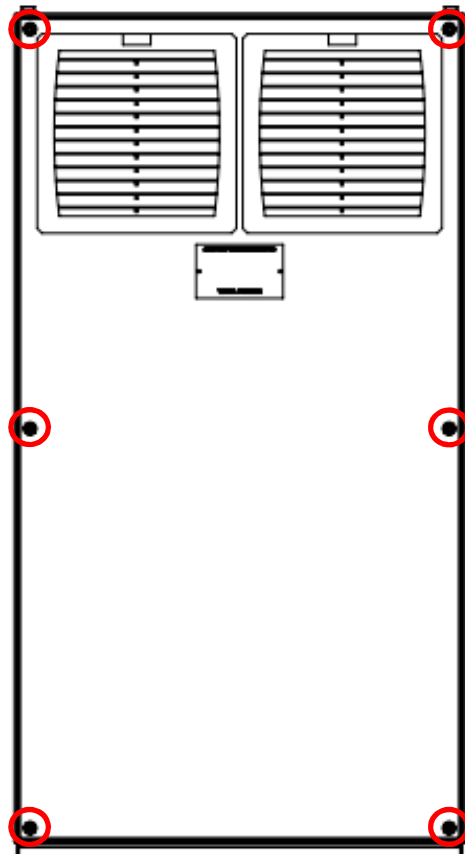
The Cooling Fans M1 & M2 supply plug X10 is located on the Interface Module marked 



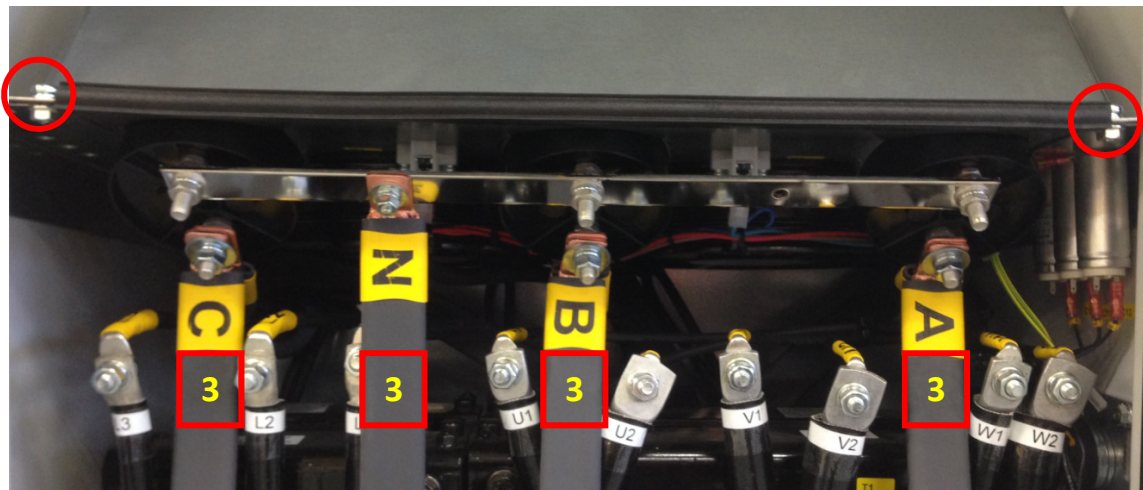
1. Remove the plug **X10** ● (plug No. 2 from right upper row) from the Interface Board and pull the cable out of the cable trays.
(X10 & cable removed on picture below)



2. Remove the back panel by loosen the 6 bolts ○ on the back side.



3. Take out bolts / nuts and disconnect 2 x A-B-C-N cables from Output Capacitors **3**



4. Take out bolts / nuts marked **4**
5. Retain all removed part for reinstallation.
6. Slowly pull out the complete Fan/Capacitor assembly. Observe that the cable with plug X10 (removed in section 2) go through the hole at the right side from the front.

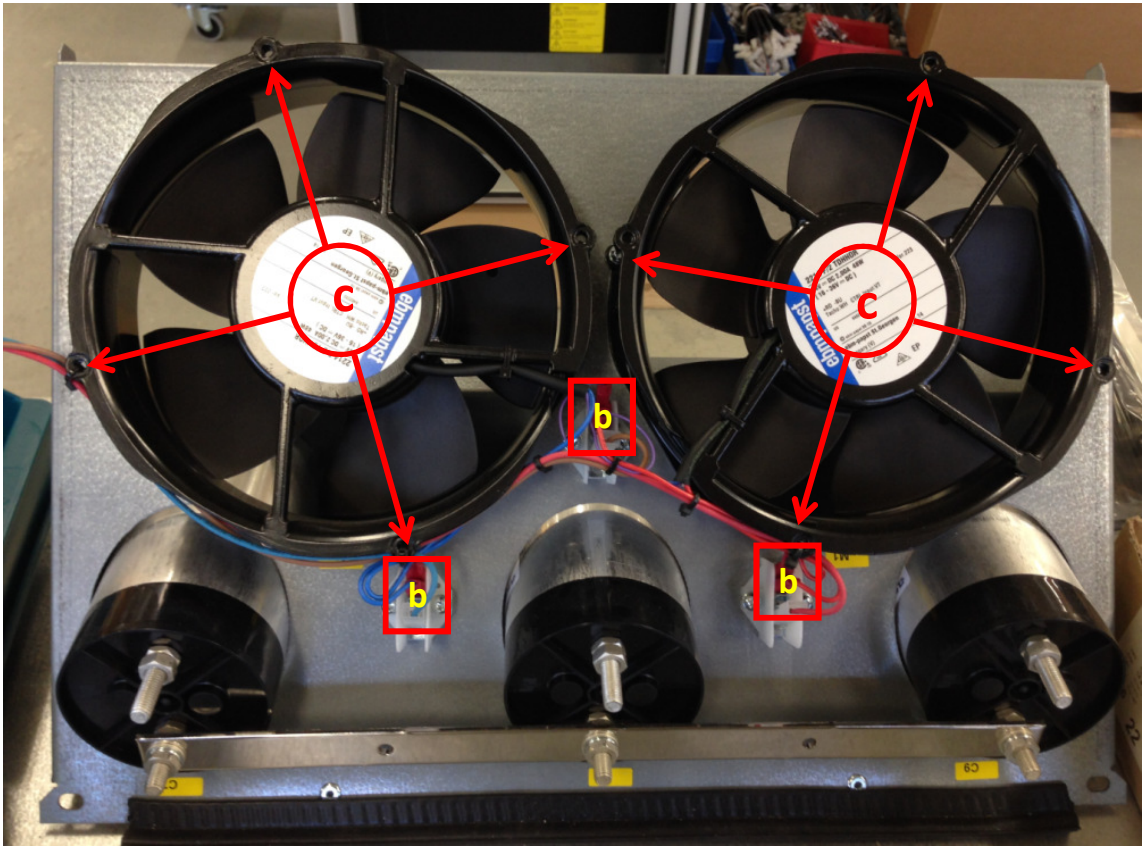
3

- a. With the Fans assembly plate placed on a flat surface and fans facing up, cut the cable ties. **a**
- b. Disconnect the fan wires 2 x Blue / 2 x Purple / 2 x Red from the termination points **b**

Note!

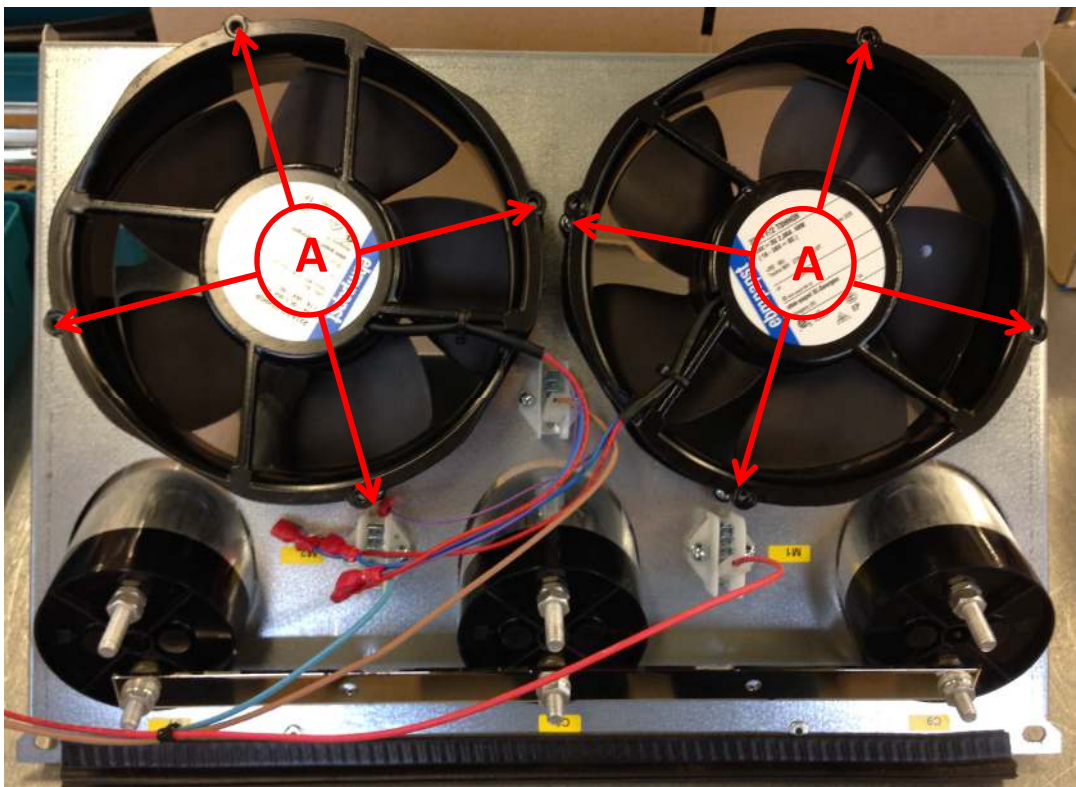
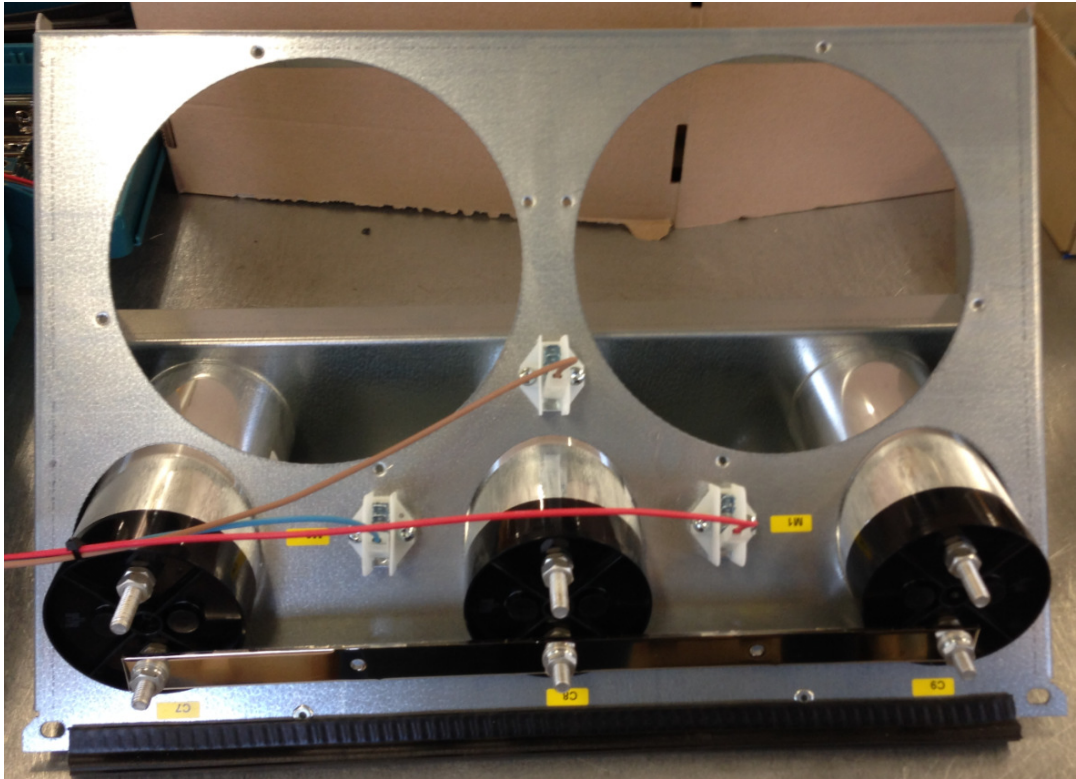
Do not disconnect the X10 wires (Red/Blue/Brown)

- c. Take out the fans by removing the 2 x 4 screws **c**
Retain the screws for reinstallation.



4

A. Retrofit the 2 fans by inserting and fasten the 2 x 4 screws. Observe the fan cable position.

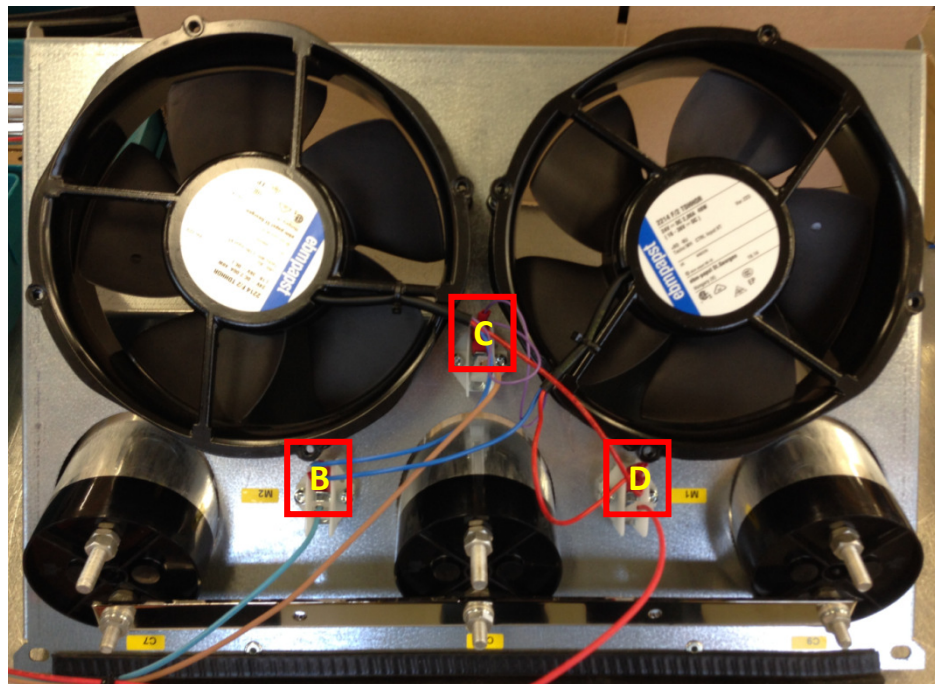
A

B. Connect the 2 Blue fans cables. **B**

C. Connect the 2 Purple fans cables. **C**

D. Connect the 2 Red fan cables. **D**

E. Align the cables and secure those with the 6 cable ties. **E**



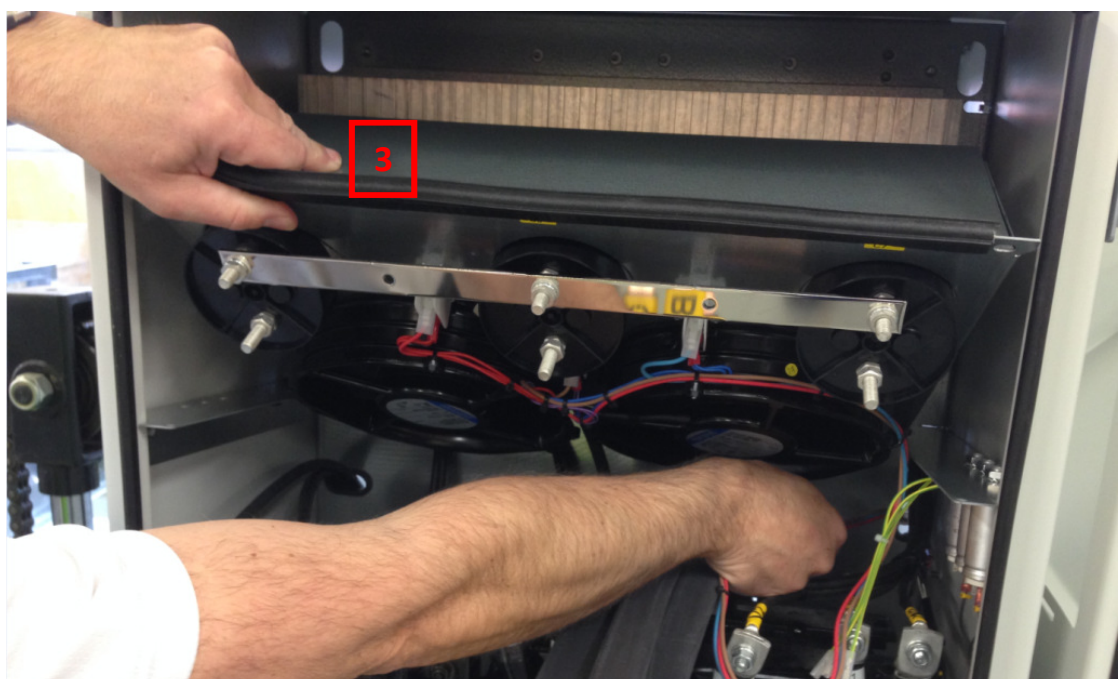
5

The fan/capacitor assembly is now ready to retrofit into the unit.


1. Insert/slide in the Fan/Capacitor assembly on top of the 2 brackets located at the sides of the cubicle. **1**
2. Remember to fit the X10 cable through the right hand side hole, before inserting the fan/capacitor assembly complete. **2**

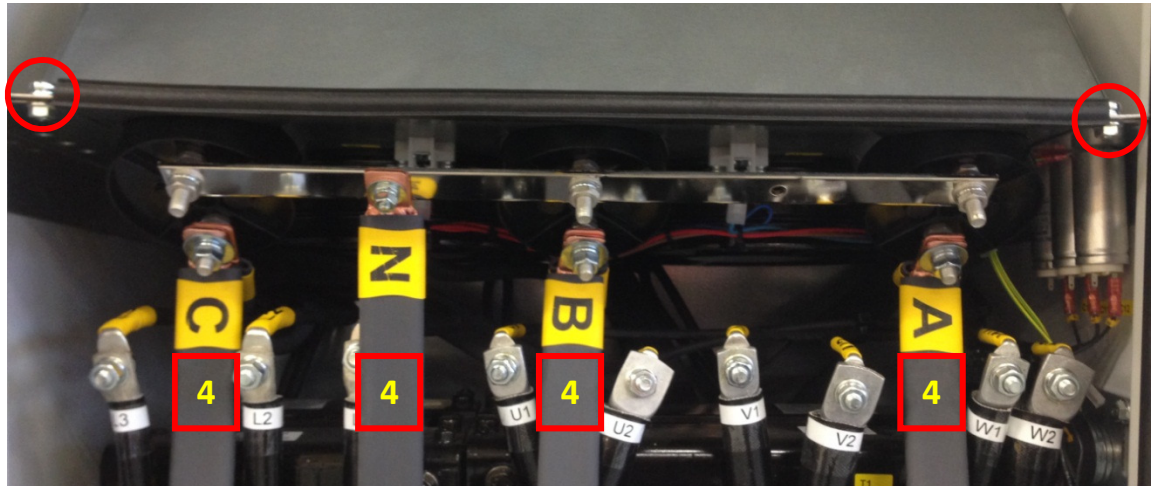
Note!

Hold the fan/capacitors assembly upwards by one hand and put the X10 cable through the hole. **3**

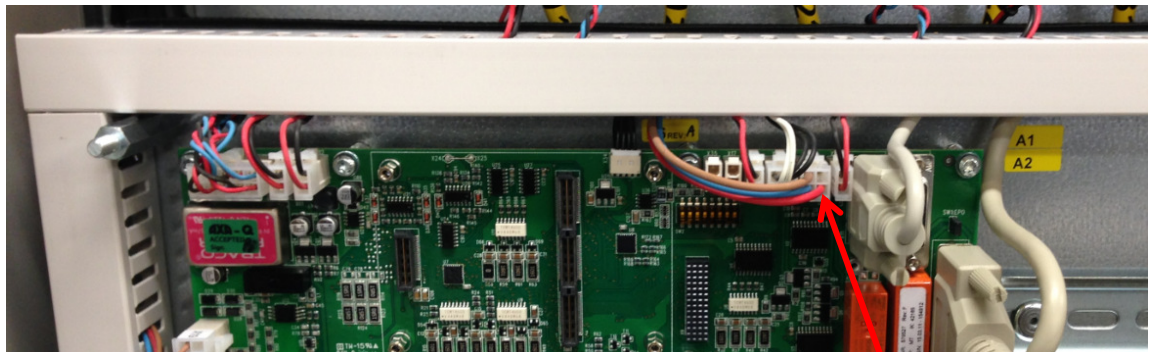


3. Mount the bolts / nuts marked 

4. Mount and fasten the 2 x A-B-C-N cables marked 



5. Connect X10 and close cable tray.



X10

6

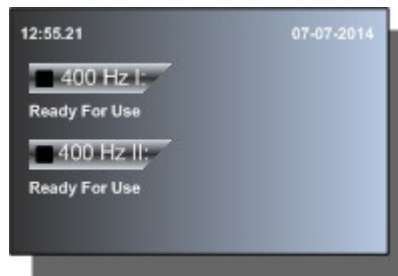
Install the protective cover.

7

Switch on the converter and close front door.

8

Display should now show “Ready to use”




Note!

Display screen may vary depending on configuration.

9

Check the fans by going into the set up menu and set the fans to “Boost”.

From the default screen press the center button  on keypad for approx. 10 seconds

Note!

If the Icon screen don't appear after pressing the center button for 10 seconds, the display is locked and cant' be accessed.

Follow the below:

(which also can be found in the unit manuals)

7.1 Preventing changes of set-up parameters

To avoid unintentional modification of the Set-up parameters, it is possible to block the access to the Set-up Mode, by means of a DIP switch situated at the Display Board A3.

Note!

If the DIP switch is set to blocked, pressing the SW1 enables the user to enter the set-up menu within 10 seconds. After the time elapses the menu will be blocked again.

SW1


To prevent changes of the setup parameters, move the switch SW2:1 to the OFF position (DOWN).



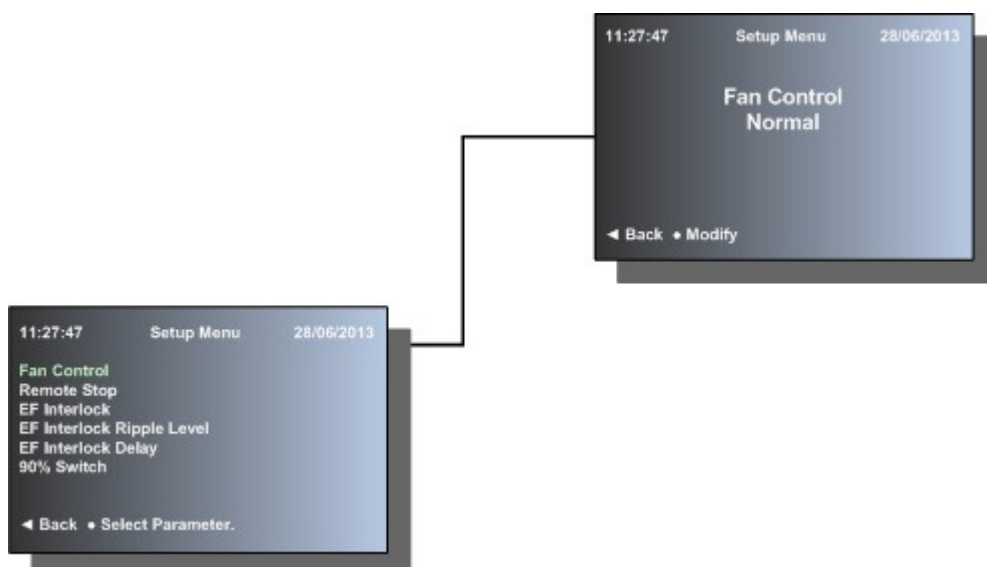
Fig. 7.1.1 Display Board A3

Icon screen then appears.



Highlight the  icon by using the navigation ◀▼▲▶ keys and press center button.

Use the ▼/▲ to browse through the screens until the **Fan Control** screen appears and press center button.



Press center button to modify and use the ▼/▲ to change to “Boost”

10

Start the converter and observe on the back of the unit that the fans are running.



Electric Shock

Touching live electrical parts can cause fatal shocks and severe burns.

11	<p>Stop the converter and remember to set back the Fan Control to the default settings.</p> <p>Mount the back panel and fasten the screws.</p> <p>The unit is now ready for use.</p>
----	---