

Replacement of 2400 ARU Fan – VN0018

(Please refer to front view of the GPU to locate the Interface Board)

1

Switch off the converter and wait 5 minutes before you remove any covers / panels to replace the Capacitor Board.



Warning!

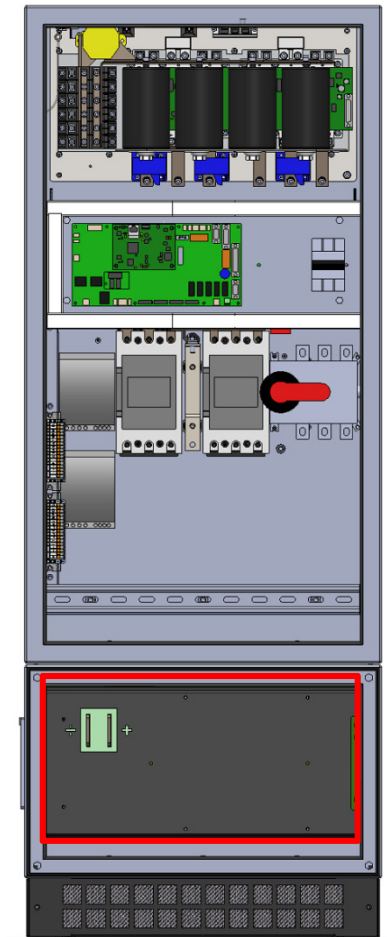
Capacitors remain charged to dangerous voltages.
Discharge time: 5 minutes

Caution!


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


2

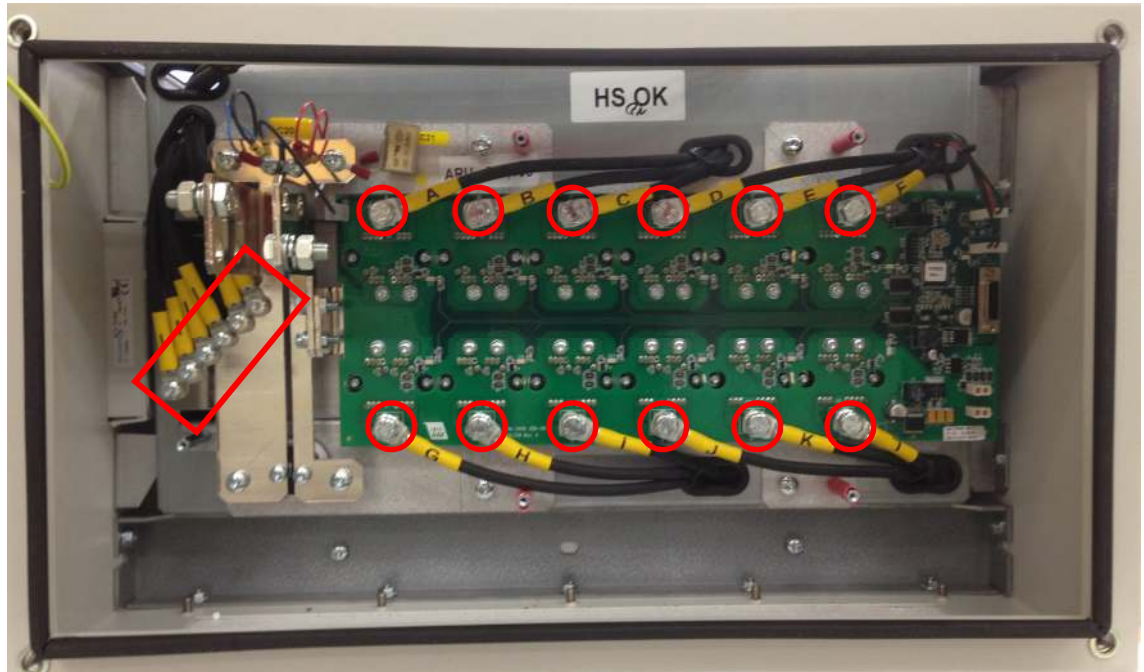
To access the 28 V ARU Module Fan, located in the Base Module underneath the converter, the Output cable and the black cover plate marked has to be removed.





3

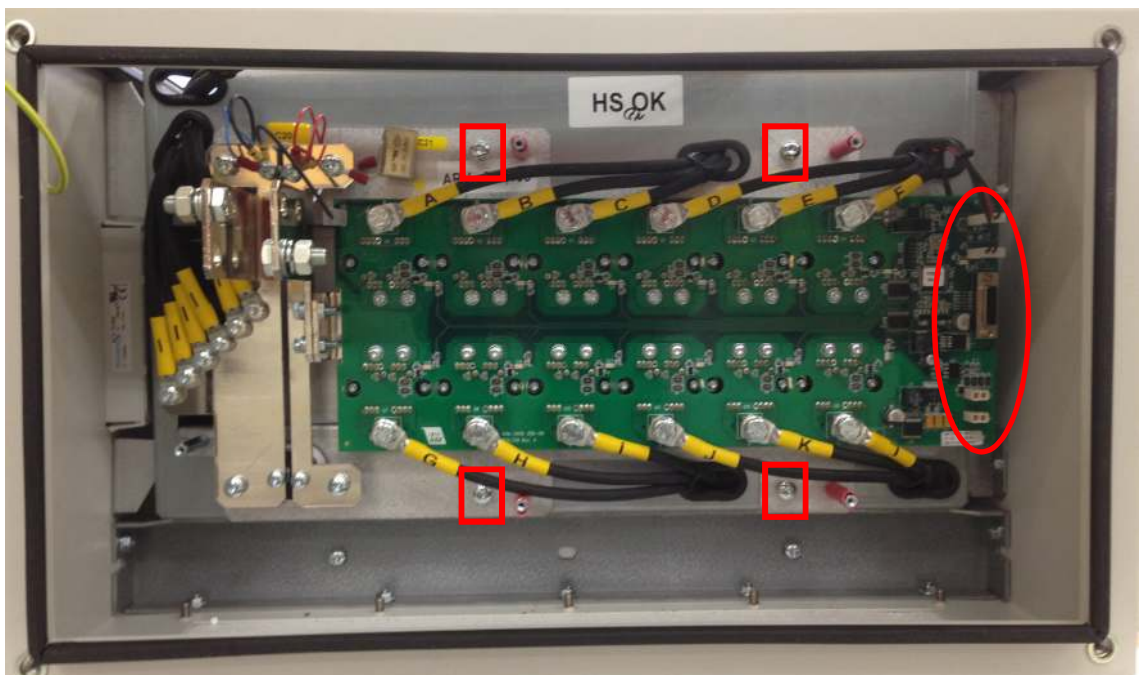
A. Disconnect the 12 cables marked  (A-B-C-D-E-F-G-H-I-J-K-L)
Use wrench size 13 mm.

B. Disconnect the 6 cables marked  (-)
Use Torx size TX30 screw driver.



C. Disconnect the cables marked 

D. Unscrew the 4 screws marked 



4

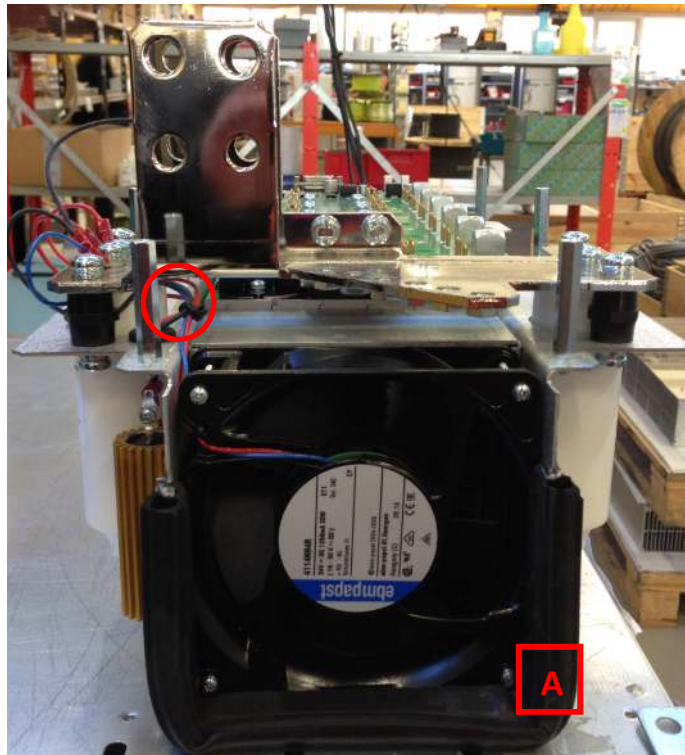
Now the ARU Module can be pulled out / removed from the unit.
Place it on an appropriate flat surface.

5

A. Remove the black draught excluder



B. Cut the cable Tie




C. Unscrew to 2 screws

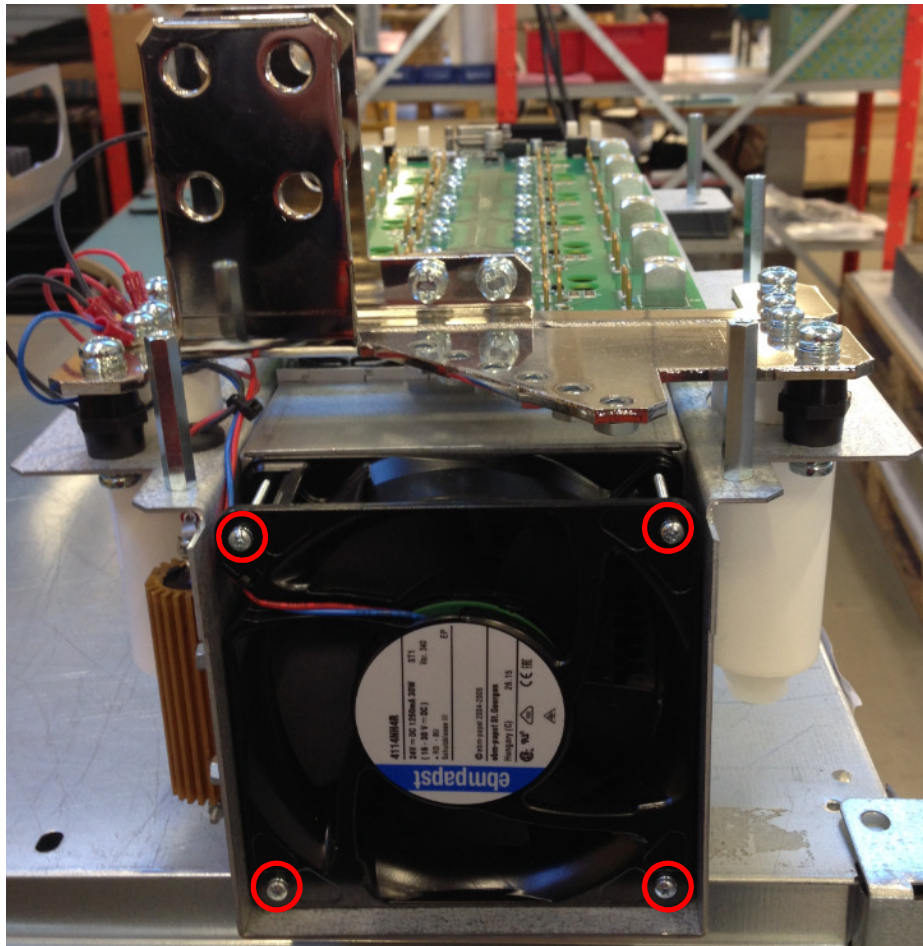


D. Remove the Red & Blue wires



6

- A. Unscrew the 4 screws that holds the Fan 
- B. Remove the fan.
- C. Install the new fan and fasten it with the 4 screws.
- D. Reconnect the Red & Blue wires and mount / fasten the 2 screws.
- E. Secure the wires with a cable tie
- F. Retrofit the the black draught excluder.

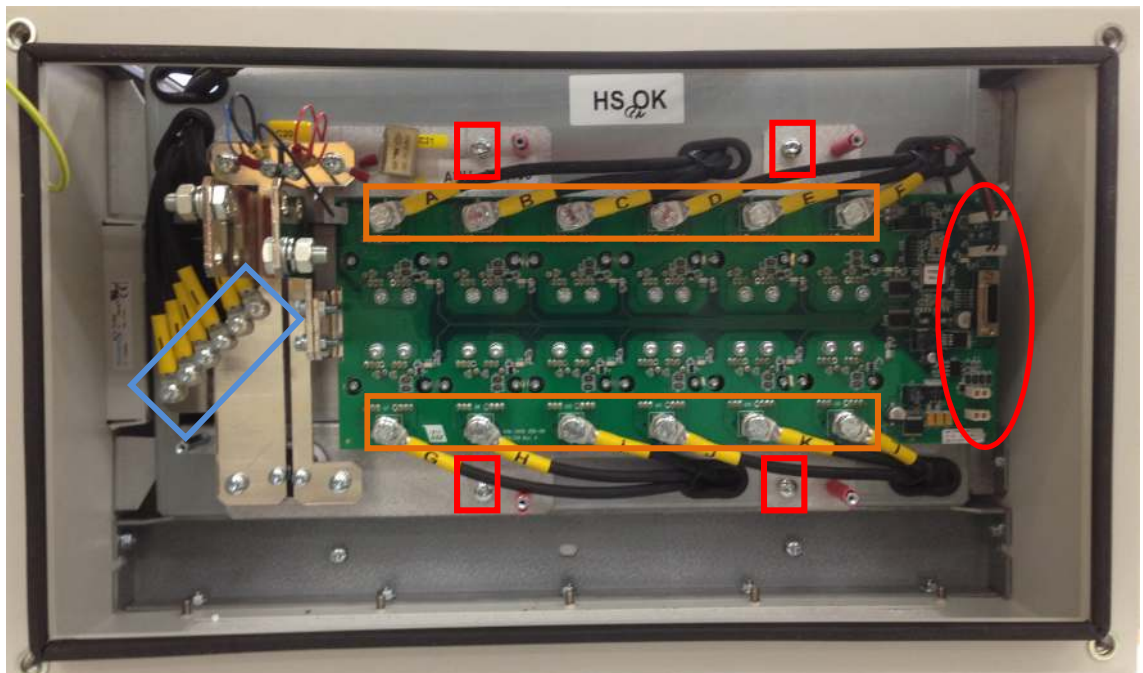


The complete ARU module is now ready to retrofit into the unit

7

Insert the ARU Module into the slot and observe that all cables / wires not get jammed, when inserting the module.

- A. Fasten the 4 screws that secures the ARU Module
- B. Connect the cables
- C. Connect and fasten the 6 (-) wires
- D. Connect and fasten the 12 power cables

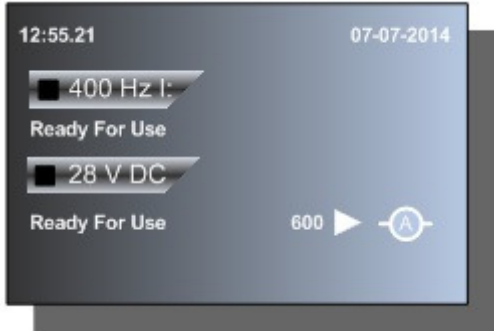


8

Install the protective cover and connect output cable.

9

Switch on the converter and close front door.

<p>10</p>	<p>Display should now show “Ready for use”</p> <div data-bbox="651 322 1147 651" data-label="Image">  </div> <p>Note! Display screen may vary depending on configuration.</p>
<p>11</p>	<p>Start the unit and it should now be running without error messages.</p>
<p>12</p>	<p>Stop the unit and apply Load Bank to the 28 VDC output cable.</p> <p>Start the unit and apply 8 - 16 Kw load and let it run for 10 – 15 minutes. During operation check values in display and at output (voltage / current / kW), to verify that the unit works correct. For the above a DVM and current probe can be used.</p> <p>Stop the unit and remove the load bank.</p> <p>The unit is now ready for operation again.</p>