Replacement of ACR 2400 Interface Board - P/N 579527

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

1	Switch off the 400 Hz converter, before you remove any covers / panels to replace the Interface Board. Remember to switch off 50/60 Hz power (Q1) to the ACR after removing the front panel. **Notice!** To prevent PCB damage from electrostatic discharge, wear ESD wrist strap when servicing. To access the Interface Board, please remove the protective cover, located behind the front panel.
2	Before the Interface Board can be replaced, Control Board marked with ☐ has to be removed. Interface Board marked with ☐  Note! Refer to ACR Control Board replacement instruction on how to remove.

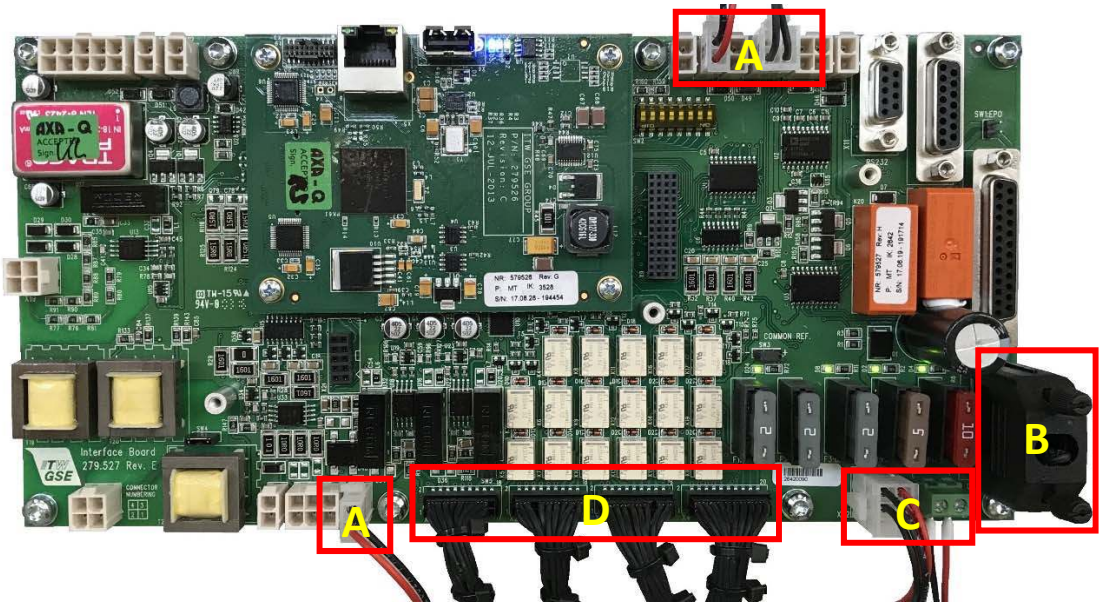
3

A. Disconnect plugs marked **A**

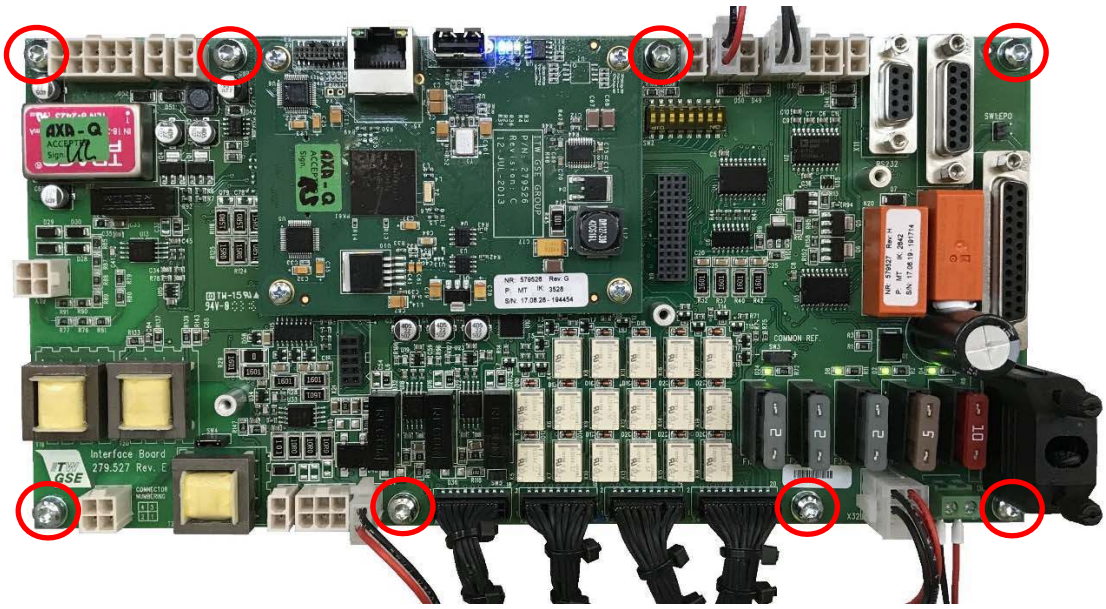
B. Disconnect EPO link plug marked **B**

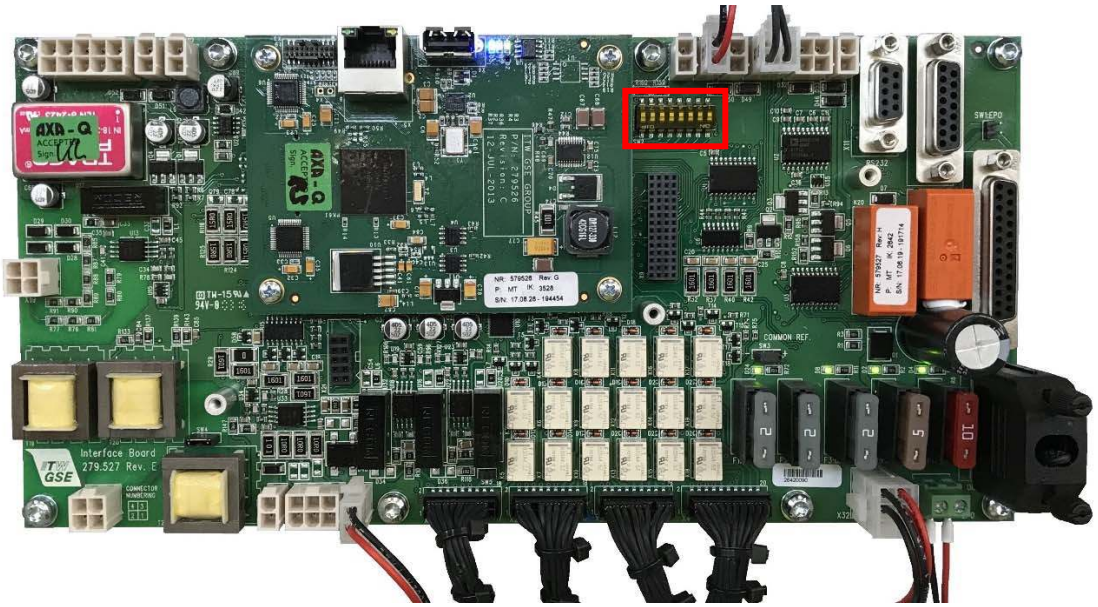
C. Disconnect plug and wires marked **C**

D. Disconnect I/O connection plugs marked **D**



E. Remove the 8 screws on the Inverter Module, marked with ○
Retain the screws for reinstallation.



4	Remove the Interface Board from the unit and install the replacement Interface Board. Reverse the procedure. 1. Mount the 8 screws (E) 2. I/O connection plugs (D) 3. Mount plug and wires (C) 4. EPO link plugs(B) 5. Mount plugs (A).  **Note!** Check DIP switch 2 settings marked ☐ and set the Dip switches to the same position as on the removed Interface Board.
5	Install the Control Board (as in step 2) on the Interface Board.
6	Install the protective cover.
7	Switch on ACR and close front door.

8	Operate / Start both units (ACR & 400 Hz) and those should now be running without error messages.
9	Stop the 400 Hz converter and apply Load Bank to the ACR output cable. Start the 400 Hz converter and apply appropriate load (depending on converter size) and let it run for 10 – 15 minutes. During operation check values in display and at output (voltage / current / kVA / kW), to verify that the ACR unit works correct. For the above a DVM and current probe can be used. Stop the unit and remove the load bank. The unit is now ready for operation again.

ITW GSE ApS Smedebakken 31-33 DK-5270 Odense N Denmark
T: +45 6318 6000 F: +45 6318 6049 E: sales@itwgse.com W: www.itwgse.com CVR / VAT No. DK 7421 8814