



SOP02573

QAAR 9604 Updating

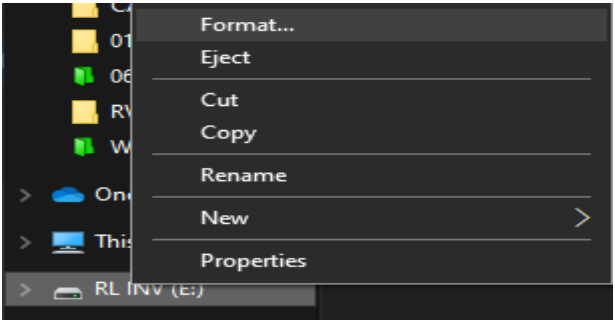
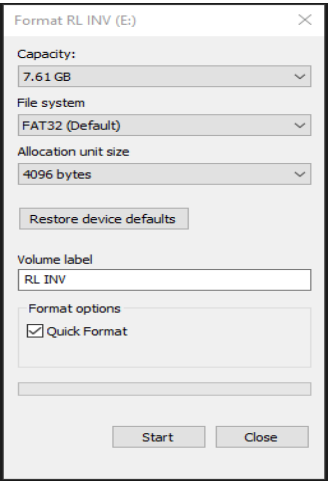
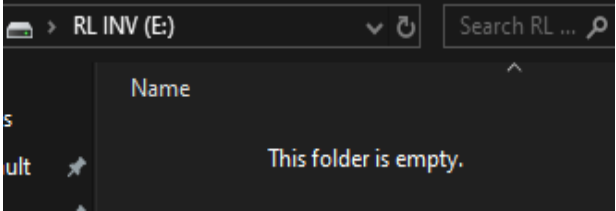
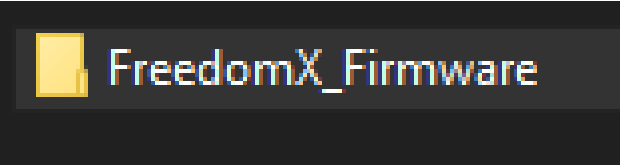
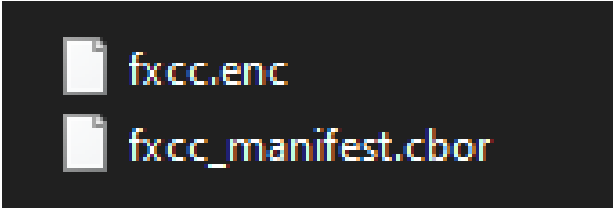
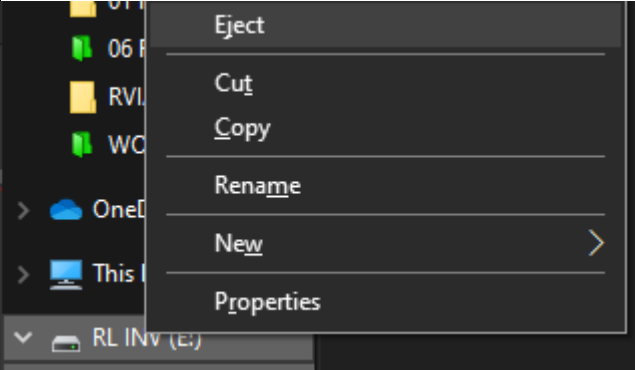





Xantrex Inverter Firmware

(With Fault)

Department: 17
People Required: 1
Time to Complete: 5 min
Date Created: Feb 5/2020
Date Revised:
Created by Initial: RW

Rev #:
Verified: GK

Safe Work Procedures:
[SWP032 - HAND TOOLS](#)
[SWP073 - MANUAL TORQUE WRENCH](#)

<p>Obtain the required parts:</p> <ul style="list-style-type: none">• USB Flash drive (1 MB or larger)• FreedomX_Firmware Folder (either through email or from a network location) <p>Note: This is for inverters that are currently in a fault state (i.e. the Dometic system cannot control it at all). For correctly working inverters, see SOP0</p> <p>If you have a correctly formatted flash</p>	 <p>Plug the USB flash drive into the computer, right click on the drive and go to Format.</p>	 <p>Format the flash drive for FAT32. Give it a name if you want to. Ensure “Quick Format” is checked. Press Start and wait for it to complete</p>	 <p>Open up the folder to view the flash drive files. It should be empty.</p>
 <p>Copy the FreedomX_Firmware folder to the flash drive.</p>	 <p>The FreedomX_Firmware folder should contain these two files. The rest of the flash drive should be empty.</p>	 <p>Safely eject the USB drive</p>	 <p>Proceed to the Unity RL that needs updating.</p>
 <p>Disconnect the unit from shore power.</p>	 <p>Turn OFF the battery disconnect switch</p>	 <p>Turn off the inverter by making sure the button is NOT pressed in.</p>	 <p>Access the batteries through the footwell</p>

Technical Data:
[TD00-0028 GENERAL ELECTRICAL](#)
[TD15-0162 Electrical Fastener Torque](#)

Notes:



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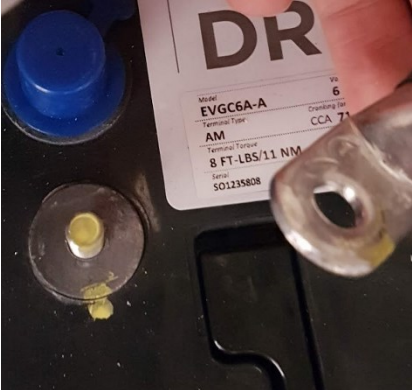
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Pull out the left battery.

13



Disconnect the terminal on the left for 30 seconds

14



Reconnect the battery. (Finger tighten only as it will need to be disconnected again)

15



Press in the button on the inverter.
(The inverter will power up for about 10 seconds and then shutdown)

16



Plug in the flash drive into the inverter

17



Turn on the battery disconnect

18



The LED beside the USB slot will begin flash green and orange for about 15 seconds.

19



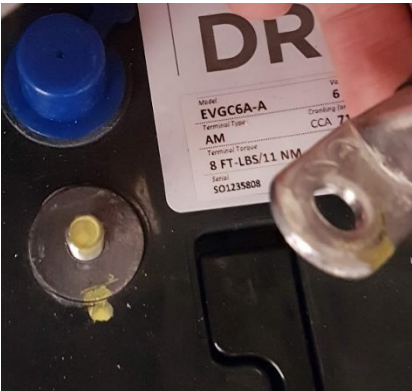
Once the LED has finished flashing. It will be green for about 5 seconds and then shut off. Remove the flash drive at this point.

20



Turn off the battery disconnect.

21



Disconnect the battery terminal again for 30 seconds.

22



Reconnect the battery. Torque to the specifications provided on the battery

23



Turn on the battery disconnect. Verify the update took place by using a mirror (or a phone with the screen turned off) to view the inverter display. And press the middle button on the display until you see a "U3 01 05" displayed.

24

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Notes: