

Removal of On-Board Battery from LX-800 Processor



Revision: 2.0

Revision Date: 6/15/2023 8:08 AM

Doc #: 480001

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1.0 Purpose

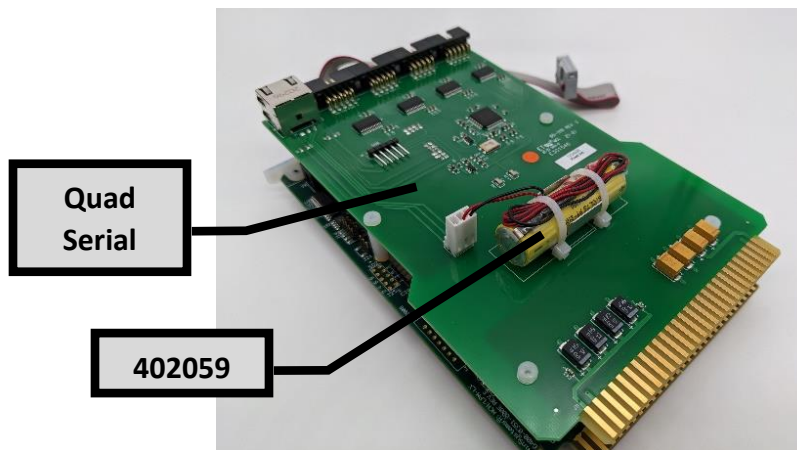
Instructions for the removal of the on-board batteries. To be used for new products and field removal of batteries to mitigate battery case failure losses.

2.0 Scope

This procedure applies to LX-800 processors with Quad Serial boards carrying a 402059 CMOS battery.

3.0 Eligibility

- LX-800 with Quad Serial Board
- Comet Part # 402059 Battery Installed



4.0 Required Equipment

- Small Diagonal Cutters
- 7/32 Nut Driver or Wrench
- Necessary PPE (Safety glasses, nitrile gloves)

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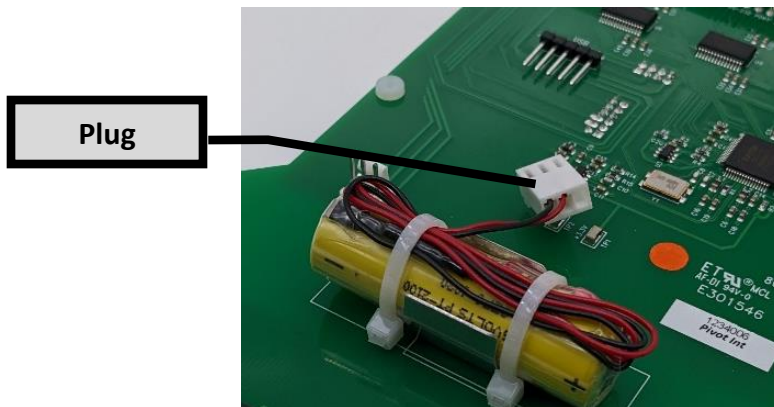
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5.0 Procedure

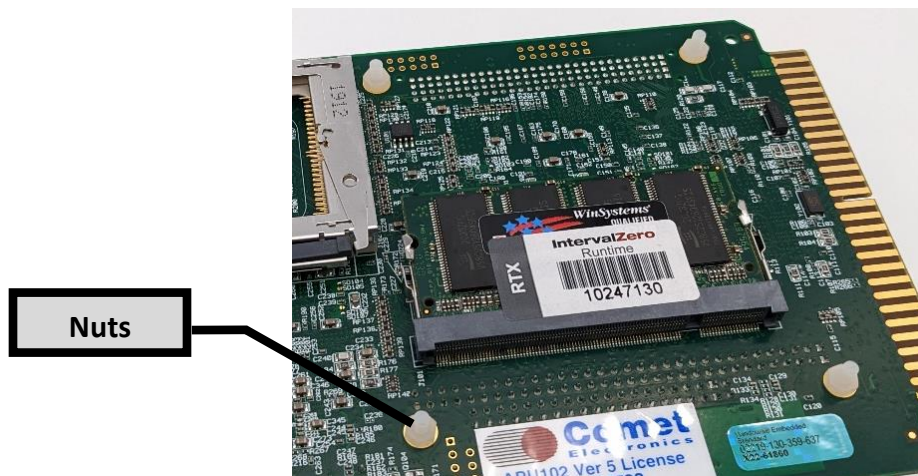
1. Disconnect 402059 Battery

- a. Pull the plug of the 402059 battery off the Quad Serial Board.



2. Remove Quad Serial Board

- a. Gently pull the Quad Serial Board Loose from the LX-800.
- b. Remove 4 nuts from the board.



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ATTENTION:

- Do not short across the leads of any battery.
- If the battery case is damaged, do not perform this procedure.
- Once the battery is removed, handle the battery so that the exposed leads will not short.

NOTE:

- The battery is glued to a chip on the board underneath. Use caution when applying force to remove the battery.
- Do not pry up on the battery.

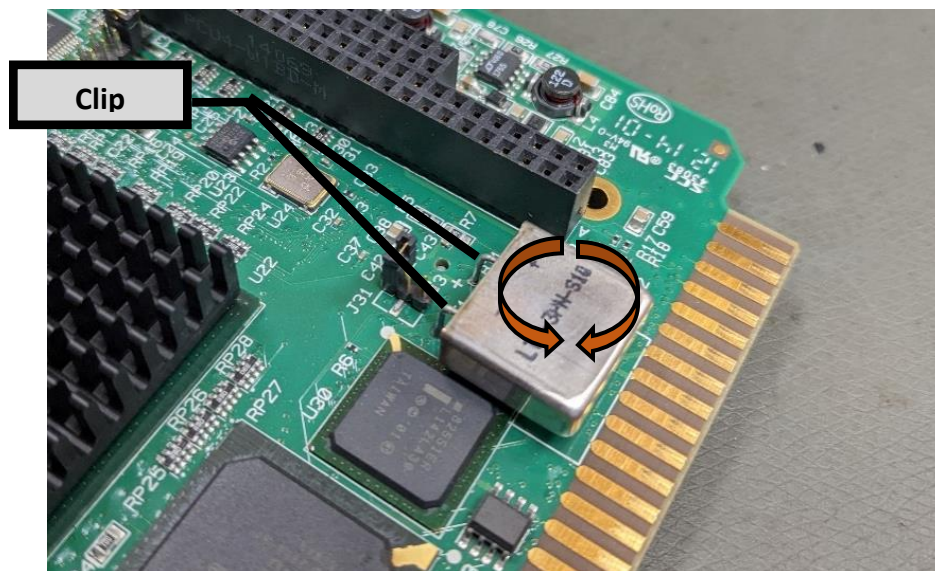
3. Remove Battery

a. Identify the battery:

- a. Approx $\frac{3}{4}$ "x $\frac{1}{2}$ "x $\frac{1}{4}$ "
- b. Near STD Bus
- c. Silver or Yellow

b. Using diagonal cutters, Clip 2 leads, as shown.

c. Firmly rotate the battery back and forth until the battery comes loose of the adhesive.



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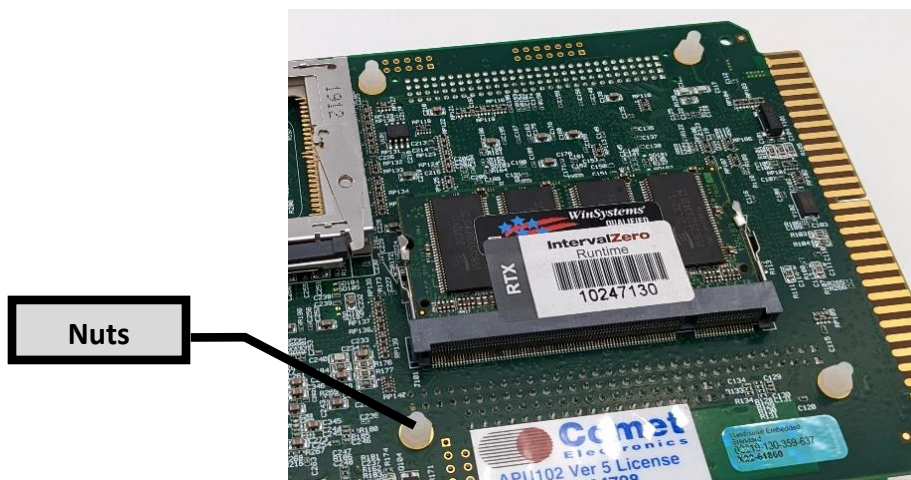
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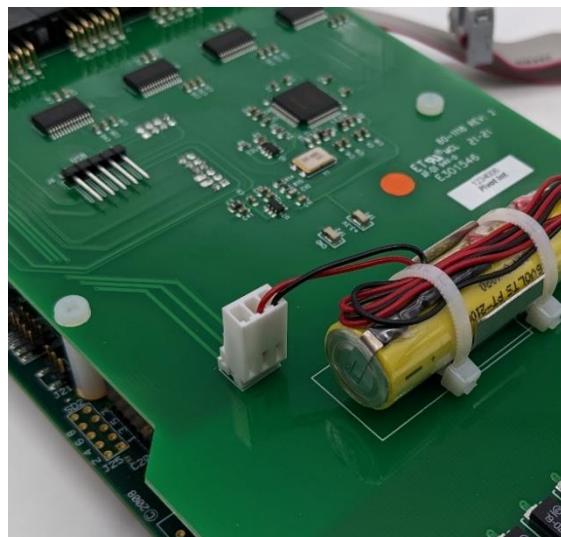
4. Reassemble Quad Serial Board

- Align the Connecting standoffs of the Quad Serial Board with the LX-800 and gently reconnect the two boards.
- Replace the connecting Standoff nuts.



5. Reconnect the 402059 Battery

- Connect the plug of the 402059 battery to the Quad Serial Board.



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6. Verify System Time and Date

- Install the LX-800 into a Comet APU and power the system on.
- Connect a Hyper Terminal Client to the APU and log in.
- The Date and Time will be displayed after selecting a session.
- If the Time and Date need to be adjusted, follow the instructions in the AEI Operations manual to set the Date/Time using the T command.

A screenshot of a terminal window titled "Procomm Plus Direct 9600 - PCPLUS". The window has a blue background with white text. The text shows a login sequence: "Select the Appropriate Session # (1, 2, 3, 4 or X)", "Session #: 1", "QA BENCH", "Thu 11/10/2022 13:31:47", "Password: *****", "COMET INDUSTRIES", "Automatic Equipment Identification System", "APU Software Version: 5.2.0.178 with TDM/DCL support", "Processing Version : Proc0336", "CPU", "Read at Startup", "Read event configuration", "Thu 11/10/2022 13:31:47", "Host", "Last", "USIT", "Site", "Display help command - 020", "Site Activity Detected*****". A black box with the text "Time and Date" is overlaid on the screen, pointing to the date and time information.

7. Dispose of Removed Battery

- Follow best practices for recycling and or disposing of e-waste to dispose of removed battery.



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