

JACE NiMH Replacement Battery (NPB-BATT) INSTALL SHEET

This document covers the replacement of the NiMH battery pack assembly (NPB-BATT) in a Vykron[®] JACE-2/6 series or Security JACE series controller.

Table 1 NPB-BATT description.

Description	Notes
Custom 12V NiMH (Nickel Metal Hydride) battery pack assembly with two-wire cable and connector plug, pre-mounted on a metal "H-bracket" with four mounting holes.	<p>Replacement requires powering off the JACE controller, removing its cover, and unscrewing the old battery pack assembly.</p> <p>Before replacing the battery, be sure to backup the JACE's configuration, using the appropriate NiagaraAX software tool (e.g. Workbench platform tools).</p> <p>Note that a new replacement NiMH battery may require up to 18 hours of powered operation before it will reach full charge and provide reliable power backup.</p>

For related JACE[®] mounting and wiring details (including battery operation), see the appropriate JACE mounting and wiring document.

Included in this Package

Included in this package you should find the following items:

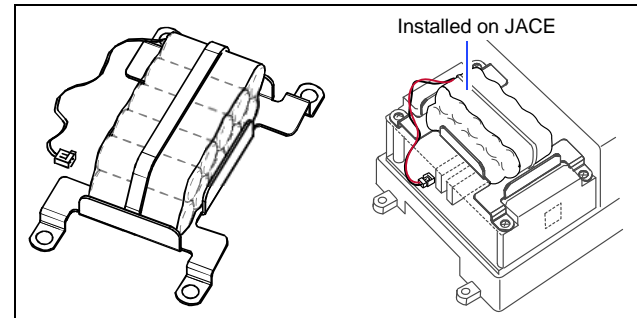
- an NPB-BATT assembly.
- This JACE Series NiMH Replacement Battery (NPB-BATT) Installation Sheet, Part Number 10824 Rev 1.2, Updated: March 8, 2010.

Material and Tools Required

The following tool is required for installation:

- #2 phillips screwdriver: used to remove the old NiMH battery assembly and re-mount the new NPB-BATT assembly.

Figure 1 NPB-BATT assembly.



Mounting



Warning Power to the JACE must be OFF when removing the old NiMH battery assembly and replacing with the NPB-BATT.

The NPB-BATT replaces the original NiMH battery assembly in the JACE controller.

Procedure 1 Mounting NPB-BATT in JACE.

1. Backup the JACE controller's configuration to your PC using the appropriate NiagaraAX software tool (for example, Workbench).
2. If a Security JACE, disconnect the sealed lead-acid backup battery from the controller.
3. Remove power from the JACE—see the previous **Warning** above. Wait for LED activity to stop—after several seconds (if a JACE-2/6) or up to several minutes (if a Security JACE), all LEDs on the JACE should be off.
4. Remove the JACE cover.
To do this, press in the four tabs on both ends of the unit, and lift the cover off.



Note If accessory modules are plugged into the JACE, you may need to slide them away from the unit to get to the cover tabs.

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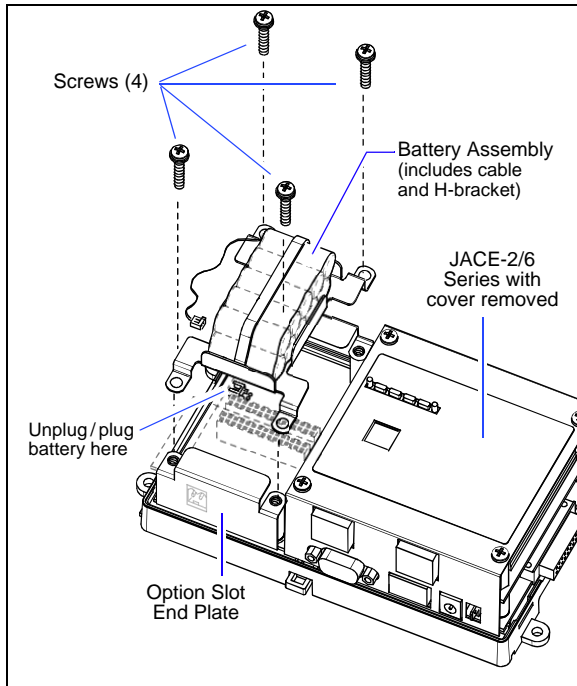
JACE NiMH Replacement Battery (NPB-BATT) Install Sheet

Part Number 10824 Rev 1.2

Updated: March 8, 2010

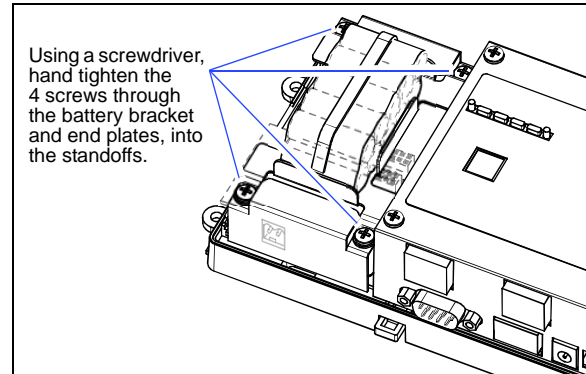
5. Remove the old NiMH battery and bracket assembly by taking out the four screws holding it in place, setting the screws aside for later. Unplug the battery from the connector on the JACE. See [Figure 2](#) for an exploded view.

Figure 2 Remove screws and battery assembly.



6. Plug the battery cable of the new NPB-BATT assembly into the battery connector on the JACE (see [Figure 2](#) for location).
7. Set the new NPB-BATT battery and bracket assembly back over both option card slot endplates, with the mounting holes aligned with the standoffs.
8. Place the four screws through the holes in the bracket and endplates, and into the standoffs on the JACE base board. Using a phillips head screwdriver, hand tighten these screws. See [Figure 3](#).

Figure 3 Re-fasten screws through battery bracket.



9. Replace the JACE cover.
If accessory modules were unplugged, plug them back into the JACE as before, and secure.
10. If a Security JACE, reconnect the sealed lead-acid backup battery to the controller.

Battery Disposal

Please dispose of the used JACE NiMH battery in accordance with local, state, and federal regulations.



Warning Do not incinerate or mutilate the battery, as this may cause it to burst or release toxic materials.

If regulations specify returning the old battery to a recycling center, but no acceptable recycling center can be found, please return the old JACE NiMH battery pack to Tridium for proper disposal.