

# JACE NiMH Replacement Battery (NPB-J-700-BATT) INSTALL SHEET

This document covers the replacement of the NiMH battery pack assembly (NPB-J-700-BATT) in a Vykon® JACE-700 (J-700) controller.

**Table 1 NPB-J-700-BATT description.**

Description	Notes
Custom 12V NiMH (Nickel Metal Hydride) battery pack assembly with two-wire cable and connector plug.	Replacement requires powering off the JACE controller, removing its cover, and removing the metal bracket that secures the battery pack.
The metal bracket that secures the NiMH battery pack inside the JACE-700 is reused to secure this replacement battery pack.	Before replacing the battery, be sure to backup the JACE's configuration, using the appropriate NiagaraAX software tool (e.g. Workbench platform tools).
	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.

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:

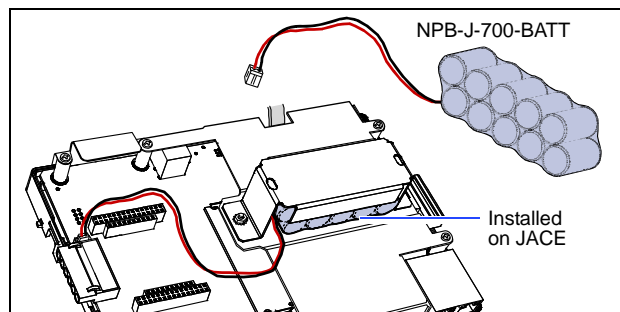
- the NPB-J-700-BATT assembly.
- This JACE Series NiMH Replacement Battery (NPB-J-700-BATT) Installation Sheet, Part Number 11826 Rev 1.1, Updated: April 23, 2010.

## Material and Tools Required

The following tool is required for installation:

- 1/4" (6mm) nutdriver: used to remove the old NiMH battery assembly and re-mount the new NPB-J-700-BATT assembly.

**Figure 1 NPB-J-700-BATT assembly.**



## Mounting



**Warning** Power to the JACE must be OFF when removing the old NiMH battery assembly and replacing with the NPB-J-700-BATT.

The NPB-J-700-BATT replaces the original NiMH battery pack in the JACE-700 controller.

### Procedure 1 Mounting the NPB-J-700-BATT in JACE.

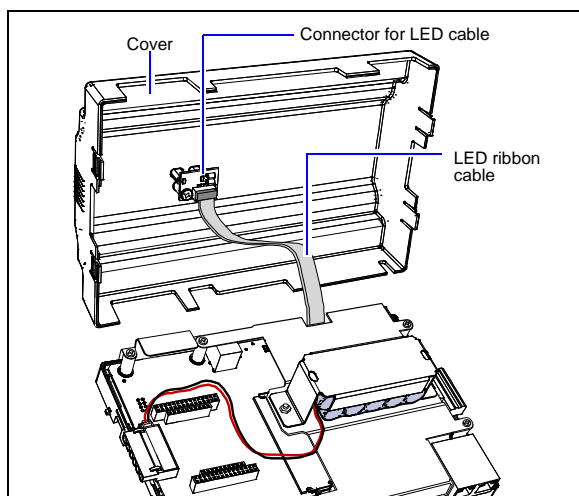
- Backup the JACE controller's configuration to your PC using the appropriate NiagaraAX software tool (for example, Workbench).
- If a sealed lead-acid backup battery is attached, disconnect it from the controller.
- Remove power from the JACE—see the previous **Warning** above. Wait for LED activity to stop—after several seconds, all LEDs on the JACE should be off.
- Remove the JACE cover.  
To do this, press in the four tabs on both ends of the unit, and lift the cover off. (You may have to unplug accessory modules to access end tabs).



**Caution** An LED ribbon cable connects the cover to the main board. Be careful when lifting the cover off. See **Figure 2** on page 2.

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**Figure 2 LED ribbon cable connector on inside cover.**



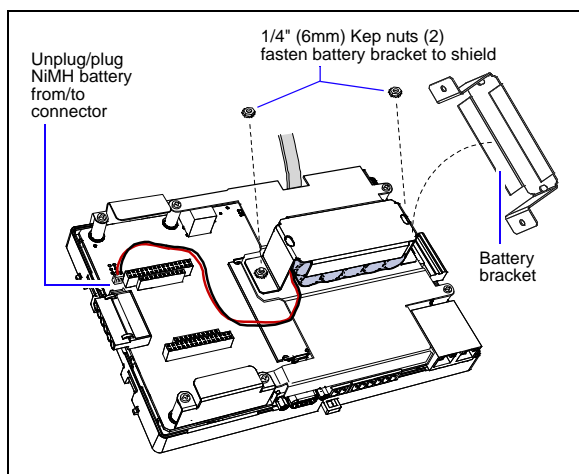
5. Unplug the LED ribbon cable from the connector on the inside of the cover (Figure 2).



**Note** If the controller is on a flat work surface, you can leave the LED ribbon cable connected, with the cover next to the unit.

6. Unplug the NiMH battery from the main board connector. See Figure 3.

**Figure 3 Remove/replace 2 nuts and metal bracket.**



7. Using a 1/4" (6mm) nutdriver, unfasten and retain the two kep nuts that secure the metal battery bracket to the shield, and remove the battery bracket and battery pack.
8. Put the replacement battery into the metal bracket, and refasten back onto the shield, using the two kep nuts. Hand tighten with a nutdriver.

9. Plug the battery connector plug of the replacement battery into the NiMH battery connector on the main board of the controller. The connector is keyed—you cannot plug the battery in reversed
10. Reconnect the LED ribbon cable to the inside of the cover.
11. Replace the cover onto the JACE.



**Note** Make sure that the LED ribbon cable is connected and not folded outside the base.

12. If you disconnected a sealed lead-acid backup battery, reconnect it back to the controller
13. If accessory modules were unplugged, plug them back into the JACE as before, and secure.

## 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.