

Title: CC848817445: Instructions for QS873A Thermal Probe Expansion Kit
 (For use with Kit CC109135027: 3EM21240AA)

Change History:

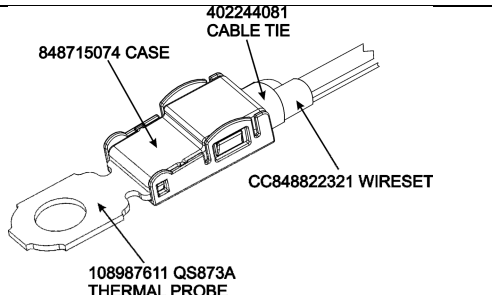
Name:	Date:	Revision:	Description Of Change
KAL	1/24/2007	1	INITIAL RELEASE
KAL	3/28/2007	2	REPLACE 848719811 WITH CC848822321 (RoHS EQUIVALENT)
PDS	3/31/08	3	Lineage Power Version

Required Tools:

Wrench required to loosen/tighten hardware on battery posts. The size of this wrench is dictated by the batteries.

Procedure:

1. Verify all material is in kit.

Qty 1	108987611 QS873A Thermal Probe Assembly	
Qty 1	CC848822321 Wireset (Pre-attached to Thermal Probe)	
Qty 1	402244081 Cable Tie (Attached)	
Qty 2	848715074 Case (1 Attached & 1 Loose Spare)	

2. Select the last thermal probe in the existing thermal probe daisy chain. This is the probe where the Thermal Probe Expansion Kit will connect. If this existing probe can be disconnected from its battery during installation of the expansion kit, this will make the process easier.
3. On the existing thermal probe, cut the cable tie (strain relief) and open the case (if case is damaged during opening, a spare is provided in the expansion kit). Do not unplug existing wireset. See Figure 1.

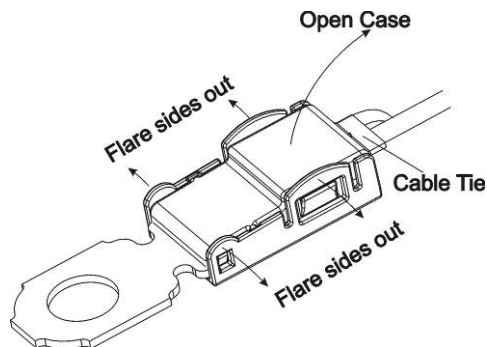


FIGURE 1: Opening Thermal Probe Case

- Plug the end of the wireset from the expansion kit into the only available connector on the existing Thermal Probe as shown in Figure 2 then snap case closed. The wires should then be cable tied back to the case for strain relief.

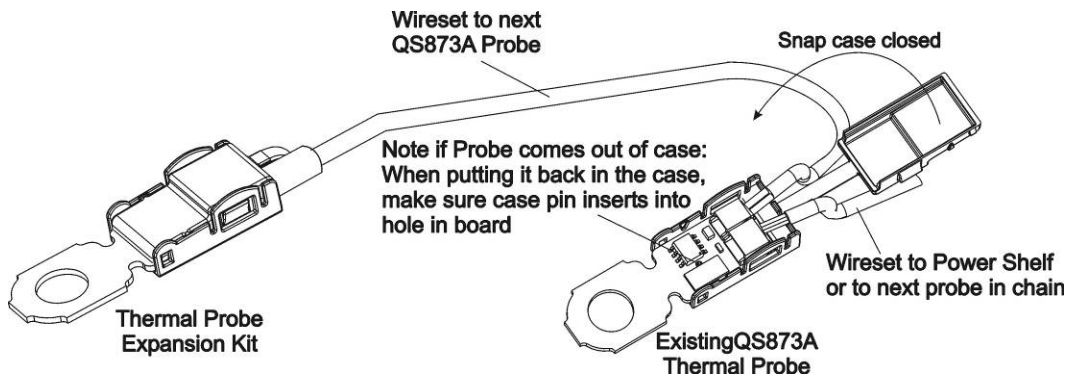


FIGURE 2: Daisy Chaining from Probe to Probe

- If it was removed in step 2, reattach the existing thermal probe to its original battery. For details on how to mount to battery see steps 7 & 8.
- Before installing the new batteries, route the Wireset through the cabinet to the battery where the new Thermal Probe will be connected. Use the upper left square hole as shown in the upper right view (Side 2) in Figure 3.

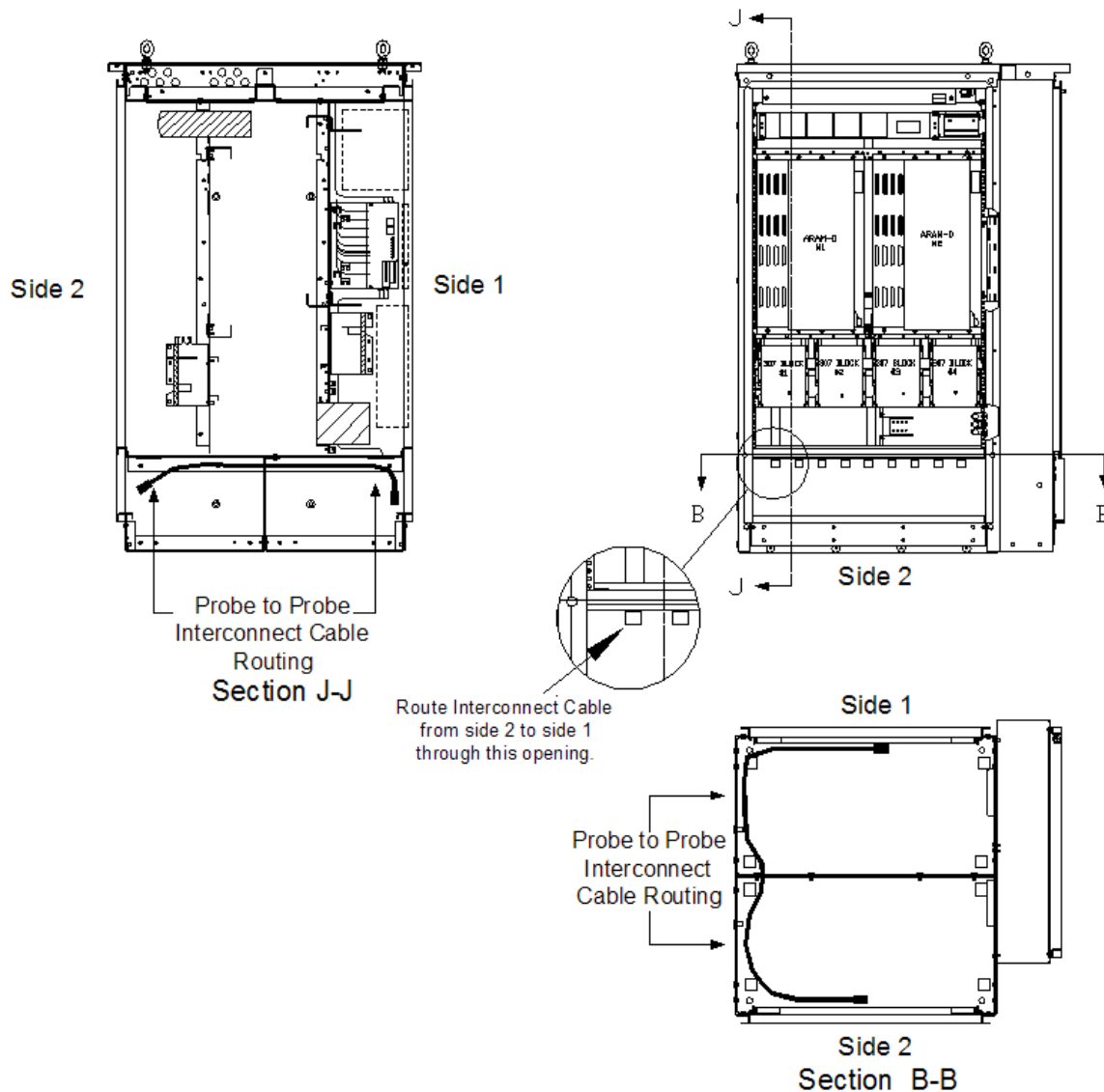


FIGURE 3: Thermal Probe Wireset Routing

- For the Thermal Probe Expansion Kit, select the battery on which the probe is to be mounted. It is recommended that thermal probe be mounted as close to the physical middle of the string as possible (example, Cell #3 of 4). See Figure 4.

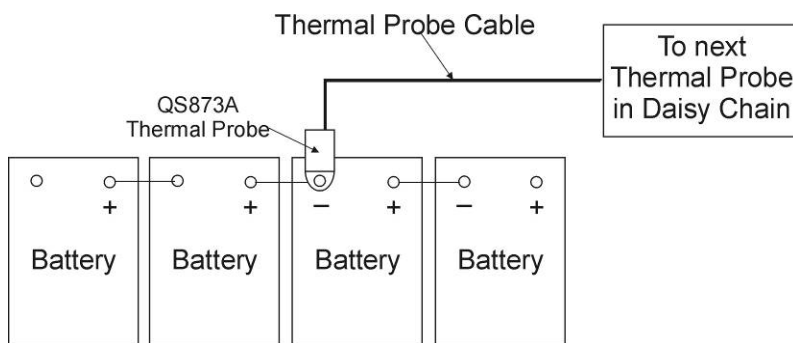


FIGURE 4: Location of Thermal Probe on Battery String

- Attach thermal probe to the negative (-) Post of the selected battery. See Figure 5.

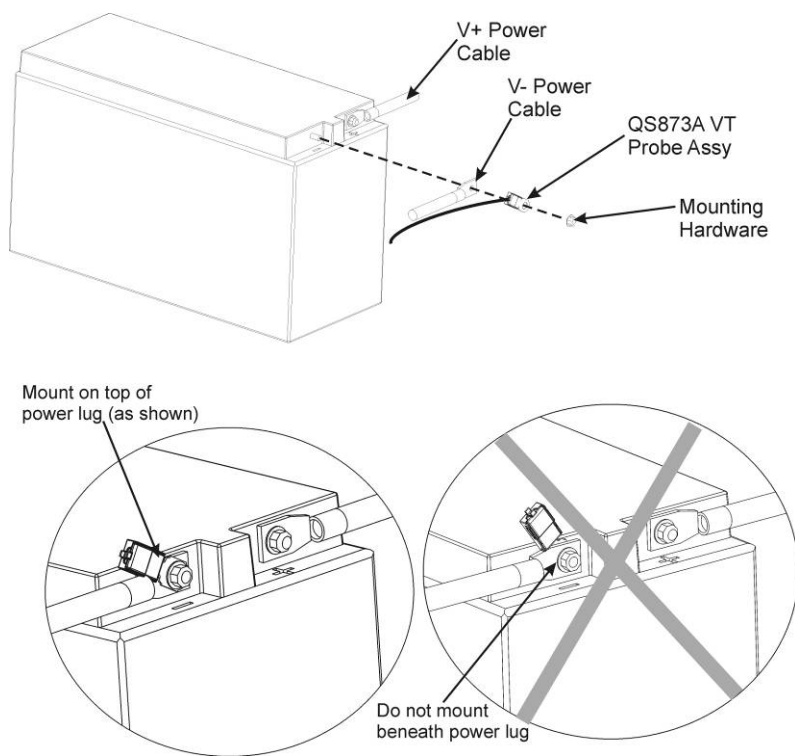


FIGURE 5: Thermal Probe Battery Connection

- At the front left of the CPS6000 shelf, on the controller display go to **Main Menu → Status → Batteries** and scroll down to **Temp Probes (n)** and verify that the controller displays the correct number of probes (For example: n=2 for two probes installed.)