

CAKE Kalk – Repairing the Battery Top Connector Terminals (Battery Side of Connection)

Context: This process is outlined for cases where the terminals for the top switchcraft connector of the Kalk battery have been pushed down.

Tools Required:

- Small flat head Screwdriver
- Precision needle nose pliers
- 5mm Allen Wrench

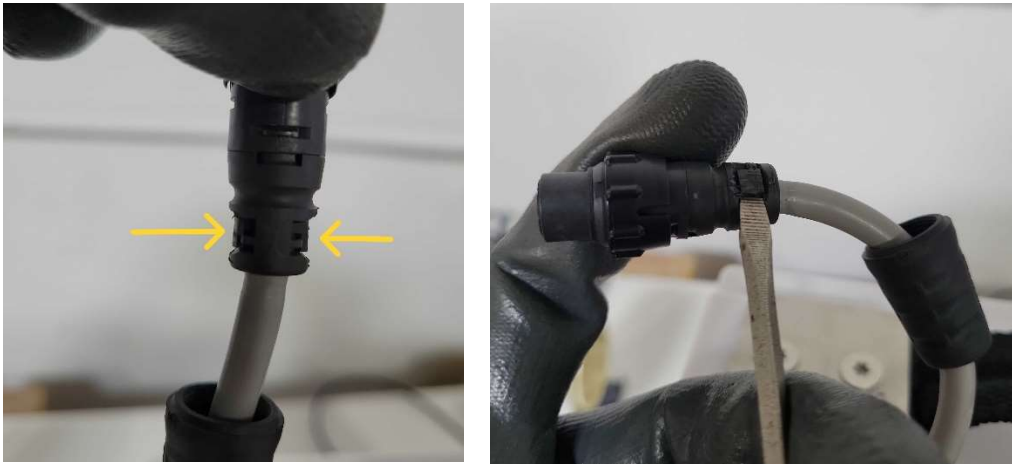
Step 1: Remove the seat by removing the 2 securing 5mm bolts. Disconnect the connection between battery and bike's main harness.



Step 2: Pull back/down the exterior rubber cover of the connection.



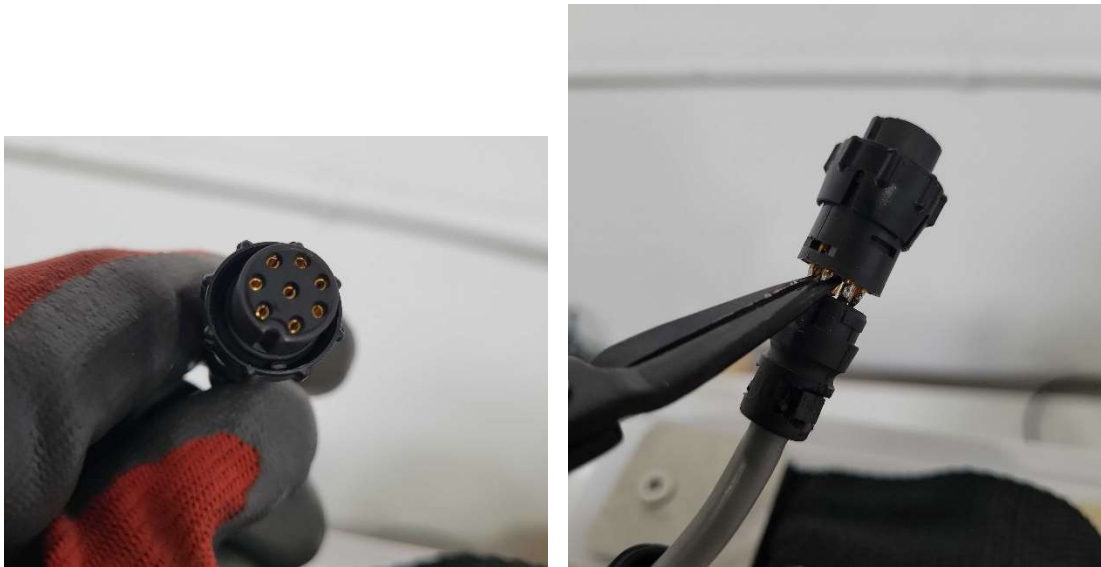
Step 3: With this area visible, we can see that there are 2 tabs that are crimped during assembly to hold the terminals in place. We need to very gently relieve some of the crimping pressure by using a small flat head screwdriver. Do not unfold the tabs completely, just gently pry them back ~1mm.



Step 4: Using the same small flat head screwdriver, we will then disengage the 2 securing clips that hold the connection assembly together. With these 2 securing clips disengaged, the connector can be pulled open, sliding the crimping side on the connector tube the cable. (Note – in the below photos, the crimping tabs have already been loosened)



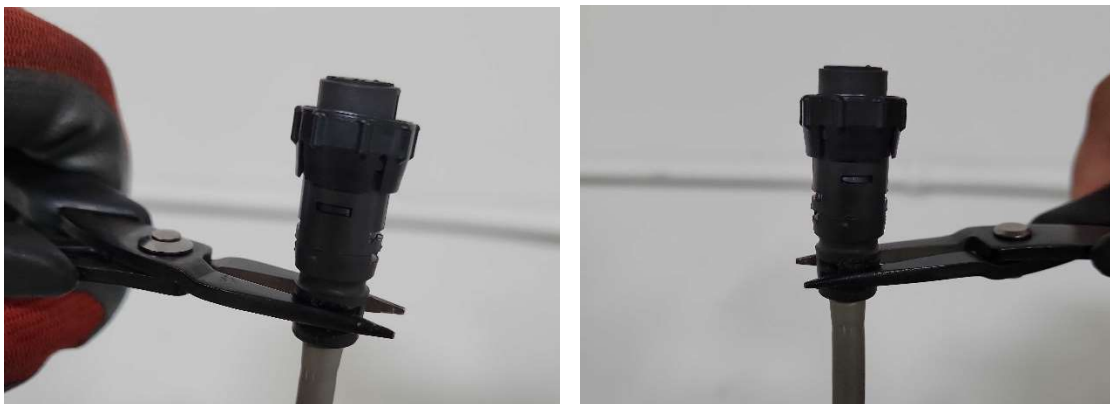
Step 5: Identify which terminal needs to be pushed back into place. Using a pair of precision needle nose pliers, push the terminal back up until it is visible and the same height as the others.



Step 6: With the terminal back into the correct position, we can then slide the lower half of the connection back into place, engaging the 2 securing clips again.



Step 7: Using either the same needle nose pliers, or a pair that is slightly larger, firmly re-crimp the 2 tabs onto the cable. Crimp this firmly, as it is these 2 tabs that will prevent the terminal from being pushed down in the future.



Step 8: Slide the rubber cover back over the connector body



Complete!

This is a fairly advanced process, so we highly encourage you to please reach out to the service department if you have any questions or reservations at any point before/during/after the process.

Thank you,

Cake Service Team