

The following illustrations are intended to assist the contractor to properly install the split core current transformer installed with the automatic capacitor bank.

1. Basic instruction and notes can be found on NUCO drawing number NC-CAB001-001. A copy of this drawing is provided in Addendum A for reference. Please take time to review the instructions and notes on this drawing before proceeding with the current transformer installation.

Please take particular note regarding the remarks about the polarity mark. Also, please note what phase the current transformer must be installed on in order to minimize complexity of setting up the power factor controller. The proper phase can be found on the automatic capacitor bank wiring schematic provided with the capacitor bank.

2. Once Addendum A and the automatic capacitor bank wiring schematic have been reviewed, please proceed as follows to disassemble and re-assemble the split core current transformer.
3. Locate the six screws on the end of the current transformer marked “THIS END REMOVABLE” (circled below in red). Remove the six screws and nuts located on the opposite side of the phillips head screw driver. Be careful with the nuts as they are not captive once the screw is removed. Use a #2 phillips head screw driver. Anything smaller could strip the screw heads.



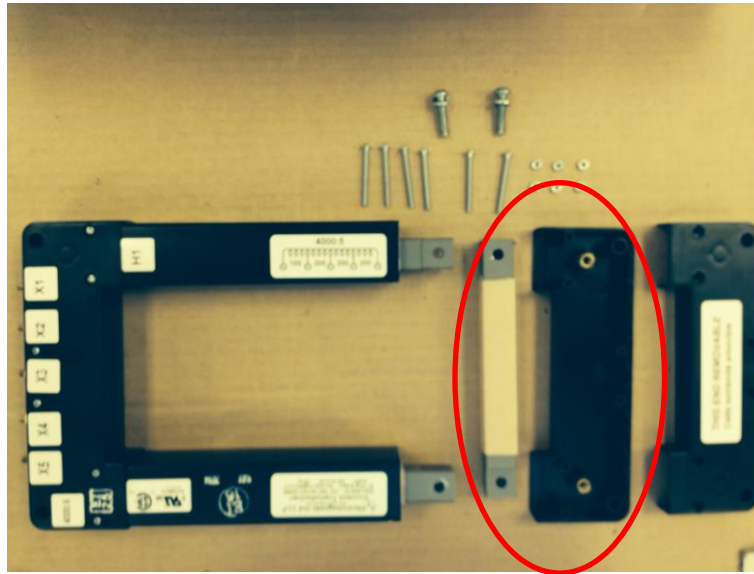
4. After the six screws and nuts have been removed, remove the plastic cap with the label “THIS END REMOVABLE” as shown below and circled in red.



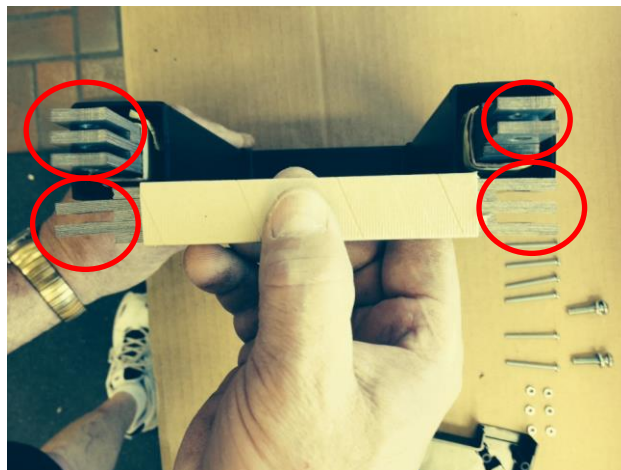
5. Remove the two slotted screws holding the laminates together and circled in red below.



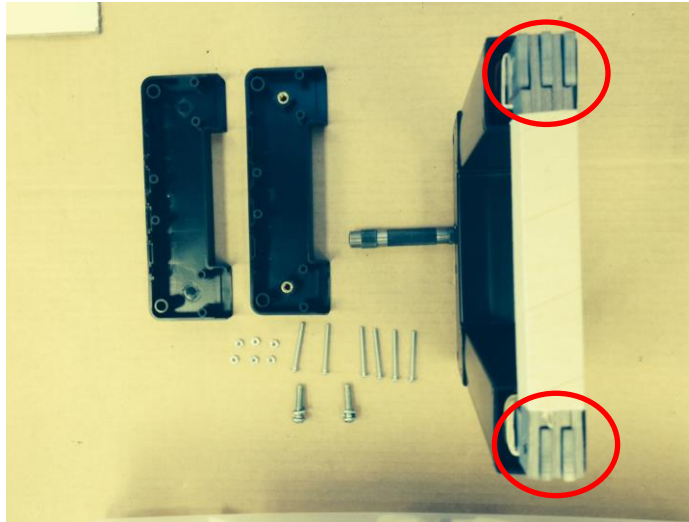
- Slide the laminate at the end off the main current transformer core as shown below. This also allows the bottom half of the end cover to be removed. The end laminate and bottom half of the cover are shown removed below and circled in red.



- The current transformer can now be slid over with existing bus or existing cables. NOTE: be sure the polarity is correct and be sure the current transformer is located on the correct phase. Refer to Addendum A and the automatic capacitor bank wiring diagram.
- Re-assemble the current transformer in reverse order. Mate the removed lamination to the main current transformer lamination by lining up the slots as shown between the two pieces.



The photo below shows the loose laminate mated with the main current transformer laminate mated together properly.



Add the bottom half cover and secure the laminate to the bottom half cover using the two slotted screws. Add the top half cover and resecure with the six #2 phillips screws and nuts.

When re-assembling the top half cover, the label "THIS END REMOVABLE" will be on the same side as all other labels on the main current transformer core housing (see photo below).



