Using the NXIC C-Cell Battery Holder

PURPOSE

The purpose of this Application Note is to guide the user in the replacement of the batteries in a NXIC equipped with a C-Cell battery holder. This NXIC is **not** interchangeable with a standard TRDI NXIC Battery Pack.

CAUTION. *Do not store NXIC with batteries installed. Batteries may leak and corrode, damaging electronics.*

REMOVING THE NXIC CONNECTOR END CAP

1. Using a 3/8-inch hex nut driver, loosen the self-locking nut on the band clamp securing the end cap.
2. Release the band clamp catch, and then remove the band clamp by spreading the band slightly and sliding it over the end cap.

CAUTION. *Do not use a sharp metallic object, such as a screwdriver or putty knife, to pry open the end cap, as damage to the end cap, housing, or O-ring could occur.*

3. Carefully remove the Connector end cap by grasping the housing in one hand and the end cap connector in the other and pulling straight out. It may be necessary to twist or gently rock the end cap slightly while pulling on it.
4. *It is not necessary* to disconnect the in-line connectors - simply pull them off to the side.

REMOVING THE BATTERIES

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1. There are three screws holding on the top cover board of the battery holder. These screws are captive and will stay with the cover.
2. The cover will be under tension, so it must be removed evenly by loosening each screw a few turns at a time.
3. Once the screws are loosened grasp the lanyard and slowly pull the cover from the housing.
4. The used batteries can be removed by lifting the sensor end of the housing and carefully dumping the batteries out.

CAUTION. *Use only standard C-Cell Alkaline batteries. Do not use Lithium Batteries*

INSTALLING NEW BATTERIES

1. Load nine new C-Cell Alkaline batteries with the positive terminal down, as shown by the labels in the holder.
2. Replace the cover board by aligning the small hole in the cover with the guide pin in the holder.
3. Put slight pressure on the cover and carefully start each screw. Tighten each screw a few turns until they are finger tight.

INSTALLING THE CONNECTOR END CAP

1. Clean the O-rings on the end cap and the O-ring surface on the housing with a lint-free cloth or paper towel, and after carefully inspecting the O-rings for any nicks or scratches, apply a thin coat of silicone grease.

CAUTION. *Make sure the face seal O-ring stays in place while pushing the Connector end cap onto the housing.*

2. Carefully place the in-line connectors into the housing and reinstall the Connector end cap
3. Spread the band clamp slightly, and then install it over the end cap and housing such that it straddles the groove in the housing and the lip of the end cap, holding the housing and end cap together.
4. Latch the band clamp catch, and then tighten the self-locking nut until it is snug. Do not over tighten.

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