

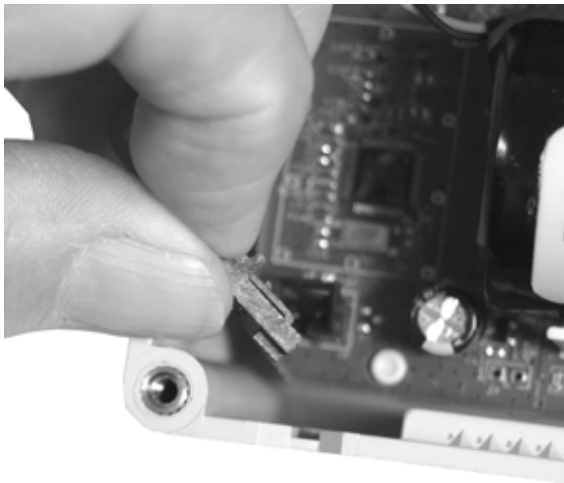
Required Tool

62658-003 TORX® #T-10 Driver

Battery Replacement

Remove the cover with the TORX T-10 driver.

Unplug the battery connector by pressing inward on the locking tab and lifting up.



Remove the original battery from the holder.

Insert the replacement battery into the holder on the Badger ORION Serial Repeater. Place the INSERT THIS SIDE UP label as shown below.



Plug battery connector into receptacle on the Badger ORION Serial Repeater circuit board. Note that the connection can only be made in one direction. Proper insertion is made with the red wire closest to the battery. The locking tab will snap into place when the connection is secure.

Battery replacement is now complete.

Place cover back on the Badger ORION Serial Repeater making sure to align the protective pads over the battery.

U.L. COMPONENT RECOGNITION

The following Badger Meter batteries have received component recognition through Underwriter's Laboratory (U.L. File MH12568): Badger Meter, Inc. ER6C.

Component recognition by U.L. does not mean that the batteries are immune from abuse or misuse by the end-user.

BATTERY CONTENTS & MATERIALS

The basic battery contents are:

Lithium metal: A highly reactive alkali metal. May burn in moist air. Reacts violently with water, alcohol, acids and other oxidants. May spontaneously ignite in moist air.

Thionyl chloride: An inorganic liquid which fumes in air to form hydrochloric acid, sulfuric acid and sulfur dioxide gas - all highly acidic and corrosive fumes. Reacts violently with water.

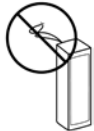
Inerts: Varying amounts of carbon, nickel strips, grids, and glass paper.

Under Federal OSHA regulations, Badger Meter batteries are classed as a manufactured article and do not require a Material Safety Data Sheet (MSDS). The MSDS for lithium may be obtained from Foote Mineral of Exton, PA., and for thionyl chloride from Hooker Chemical of Niagara Falls, NY.

⚠ WARNING

Any of the following may cause the batteries to leak, vent, rupture or explode.

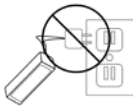
DO NOT



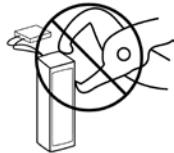
Short Circuit



Fire (Do Not Incinerate)



Charge (Recharge); the battery is not rechargeable

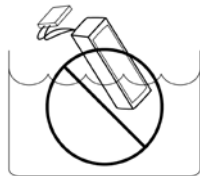


Crush or Puncture

Disassemble



Connect Backwards



Expose battery contents to water

Force discharge (drive voltage below 0.0 volts)

Failure to follow these warnings could result in serious injury.

Lithium Battery Return Policy

⚠ WARNING

The following procedure must be adhered to.

Badger Meter will accept return of used lithium batteries from customers under the following conditions:

1. Badger's preference is to receive the batteries in the product, rather than removed from the product, since danger for problems arises with respect to improper removal.
2. Shipment of batteries returned to Badger Meter must comply with the requirements of 49 CFR 173.185 "Lithium Batteries and Cells." All batteries must be packaged in such a manner that prevents short circuits under conditions normally encountered during transportation. Battery ends need to be covered to prevent them from touching one another. This can be accomplished by using duct tape on individual batteries, or by taping the ends of wire terminals. Additionally, batteries should be placed in sealed plastic bags, and packaged with vermiculite to prevent accidental contact. The outer packaging must be in compliance with 49 CFR 173.24 and 173.24a.
3. The customer shall be solely responsible for selecting a mode of transport, for preparing the product for shipment, for the expenses of shipment, and for insuring the product until it is received at Badger's dock.
4. Title shall not transfer until the product is received at Badger's dock.
5. All responsibility and all liability for the product belongs to the customer until it is received at Badger's dock.

Notice: This product contains lithium batteries that are subject to US DOT transportation/shipment regulations. These regulations apply to customers who return this product in that they require basic hazardous materials training prior to shipping. In addition, package/freight couriers may require shippers to sign hazardous materials agreements prior to shipping. We apologize for any inconvenience, however we are not permitted to arrange return shipments for our customers.

Badger® and ORION® are registered trademarks of Badger Meter, Inc. TORX® is a registered trademark of Camcar, Division of Textron, Inc.



Please see our website at www.badgermeter.com for specific contacts.

Due to continuous research, product improvements and enhancements, Badger Meter reserves the right to change product or system specifications without notice, except to the extent an outstanding contractual obligation exists.



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