

TROUBLESHOOTING

PriorityStart! does not put life back into a battery, it only monitors available voltage. Repeated disconnects or complete battery failure can be an indication of a weak or bad battery. Most warranty calls are a result of corroded, loose, frayed or improperly installed cables, weak batteries (batteries having experienced previous deep discharges). Once unit disconnects the battery, you **MUST** wait one full minute before reconnecting. When unit operates you may hear the gears engage, this is normal operation.

Problem: PriorityStart! switches off battery power too often.

- An accessory is unintentionally left on; or,
- Ground connection requires attention. Make sure that ground terminal is firmly secured to a clean surface; or,
- Post adapter needs tightening; or,
- Corrosion buildup on battery terminals or cables. Clean per battery instructions; or,
- Battery is weak, needing replacement; bad battery cable; or,
- There is a short circuit or problem in the boat electrical system.

Problem: Battery is dead.

- Ground connection may require attention; or,
- Battery may need replacement.

Problem: Boat cable not long enough to install unit in desired location.

- Purchase after-market cable. Available at most marine parts stores.

MAINTENANCE

- Keep all connections tightly fastened and clean from corrosion. Battery cables may be sprayed (coated) with corrosion inhibiting products.
- Care for the unit the same as your boat battery.
- PriorityStart!** can be disconnected by unplugging the ground wire. The battery is *still* connected.
- A boat should be started at least every 60-90 days and engine run for 15 minutes to offset normal battery discharge.

TECHNICAL SPECIFICATIONS

- Operates on 12-volt Neg.(-) or Pos. (+) ground system, when installed per instructions.
- Temperature range: -40°F to +185°F.
- Waterproof device

LIMITED ONE-YEAR WARRANTY

BATON LABS, INC. warrants to the original retail purchaser only, that this new **PriorityStart!**® is free from defects in materials and workmanship under normal use and conditions for a period of one year from the date of original purchase. If the product proves to be defective due to manufacturing defect or malfunction during the warranty period, return it freight and insurance prepaid with a copy of this Warranty Certificate and a copy of proof of purchase to BATON LABS, INC. at its address listed below, and BATON LABS, INC. will repair, replace or refund the full purchase price of **PriorityStart!** (at its discretion) at no charge. Labor for removal and installation of the product is at owner's expense.

This Warranty is valid only for a **PriorityStart!** purchased in the U.S. This warranty does not extend to any defect, malfunction, or failure caused by misuse, abuse, improper installation (including disassembly of the **PriorityStart!**), use of the product with equipment for which it was not intended, or unauthorized alterations or repairs.

This Warranty is the sole and exclusive express warranty given with respect to the **PriorityStart!** and all other express warranties are hereby excluded. No one is authorized to assume any liability on behalf of BATON LABS, INC. or impose any obligation on it in connection with the sale of this product other than outlined above.

NEITHER BATON LABS, INC. NOR THE DEALER WHO SELLS THE **PriorityStart!** IS RESPONSIBLE FOR INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF OR INABILITY TO USE THIS PRODUCT. IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO A PERIOD OF ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

This Warranty gives you specific legal rights and you may also have rights that vary from State to State.

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Marine PriorityStart!®

Automatic Battery Protection

OWNERS MANUAL

PriorityStart! attaches easily to any type of standard 12-volt boat battery. No modifications are necessary. **PriorityStart!** will not switch-off battery power when the engine is running.

How PriorityStart! Works

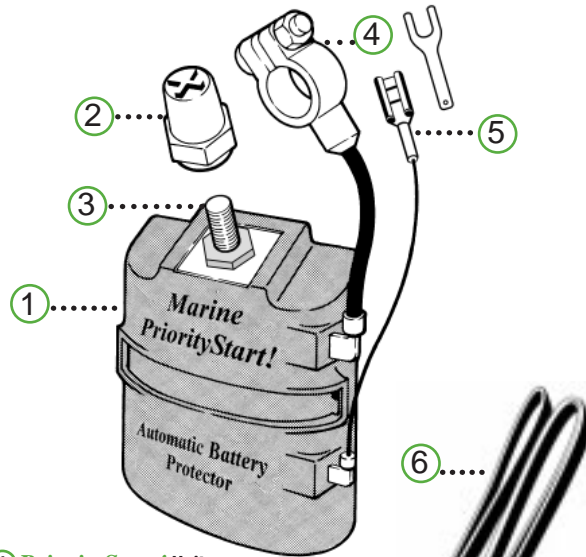
The **PriorityStart!** stops dead batteries *automatically* before damage occurs. Constantly monitors voltage. Senses *any* voltage drain and *automatically* disconnects the drain, leaving starting power. Then *automatically* reconnects your battery when you turn the key and *start*. Computer "chip" technology, Universal design fits wing nut post or top post batteries. Fits any 12-volt marine application. No similar product on the market.



Battery Protection System is protected by one or more of the following
*United States patents and patented abroad.
*U.S. Patent Nos. 5,200,877; 5,296,788; 5,296,997; 5,949,157
and patented abroad.

PriorityStart! is a registered trademark of Baton Labs, Inc.

PriorityStart! Parts List and Terminology



- ① PriorityStart! Unit
- ② Post Adaptor ③ Stud
- ④ PriorityStart! Pos.(+) Red Cable
- ⑤ PriorityStart! Ground Wire & U-Clip
- ⑥ Attachment Band

INSTALLATION INSTRUCTIONS

(Please read *entire* instructions before installation and follow exact sequence of instructions. If you have experienced previous "deep discharges" you may need a replacement battery).

- ❑ Engine off, accessories off and ignition key out. Key left in on position may cause unit to be inoperative.

- ❑ Disconnect existing cables from battery, *first* Neg.(-) then Pos.(+).

NOTE: Clean boat battery terminals. Do not install on a corroded cable or battery post.

- ❑ PriorityStart! can be located anywhere on any wingnut-post or top-post battery, as long as the boat Pos.(+) cable reaches [figure 4].

IMPORTANT!

- ❑ Do *not* allow PriorityStart! red cable (item ④) to contact battery post or cable until instructed.
- ❑ Make sure PriorityStart! post adaptor (item ②), when installed, will *not* contact any part of engine compartment.

TOP-POST BATTERY INSTALLATION

1. Using a 7/8" wrench, tighten firmly Post Adaptor (item ②), into top of PriorityStart! [Fig. 1] (see note 3).

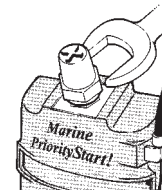


Figure 1

2. Install band (item ⑥) Slip band around battery. **DO NOT position PriorityStart!** under the band at this time.



Figure 2

3. Install U-Clip (item ⑤) securely to negative battery cable and post. Reconnect negative battery cable [Fig. 2]. **DO NOT** connect ground wire to U-Clip at this time.

4. Connect boat Pos.(+) cable [A] securely to Post Adaptor (item ②) atop PriorityStart! [Fig. 3].



Figure 3

5. Connect PriorityStart! red cable (item ④) securely to Pos. (+) terminal post on boat battery [Fig.3].

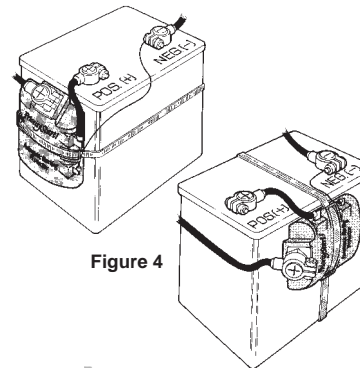


Figure 4

6. Slip PriorityStart! under band (item ⑥). Unit can be installed in either a vertical or horizontal position [Fig. 4].

7. Connect PriorityStart! ground wire connector to installed U-Clip [Fig. 5].

As final step, ground wire is connected to U-Clip.

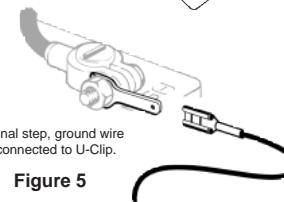


Figure 5

PriorityStart! IS NOW OPERATIONAL

WINGNUT-POST BATTERY INSTALLATION

1. Using a 7/8" wrench, remove Post Adaptor (item ②) off top of unit. Stud post now available. [Fig.6]



Figure 6

2. Remove wing nut from boat battery Pos. (+) post. Using 7/8" wrench, install Post Adaptor (item ②) on Pos.(+) post of battery.[Fig.7] Tighten firmly (see note 3).

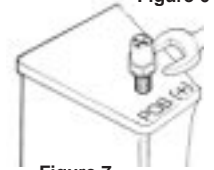


Figure 7

3. Install band (item ⑥) Slip band around battery. **DO NOT position PriorityStart!** under the band at this time.

4. Install U-Clip (item ⑤) securely to negative battery cable and post. Reconnect negative battery cable [Fig.8.] **DO NOT** connect ground wire to U-Clip at this time.

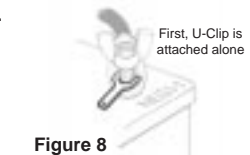


Figure 8

4. Connect boat Pos.(+) cable [A] securely to stud atop of PriorityStart! unit using wing nut from battery [Fig.9].

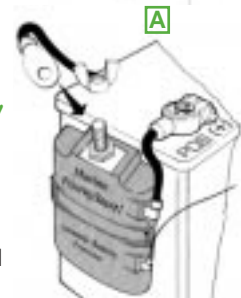


Figure 9

5. Connect PriorityStart! Red Cable (item ④) securely to Pos.(+) terminal post on boat battery [Fig. 9].

6. Slip PriorityStart! under band (item ⑥). Unit can be installed in either a vertical or horizontal position [Fig. 4].

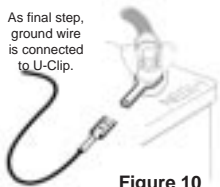


Figure 10

7. Connect PriorityStart! ground wire connector to installed U-Clip [Fig. 10].

PriorityStart! IS NOW OPERATIONAL

NOTES:

1. When system disconnects, you MUST wait at least one minute before reconnection.
 2. Bilge pump can be wired directly to the battery, bypassing PriorityStart! If you select to do this, be aware that bilge pump operation may drain battery.
 3. Torque post adaptor at 7-10 ft./lb. Do not over tighten.
- WARNING:** Batteries produce explosive gases. Cover battery with cloth before removing cables.