

Universal Marine Battery Charger Output Cable Extender Installation Instructions

The ProMariner 5' and 15' Universal Marine Battery Charger Output Cable Extenders are ideal for those installations where standard battery charger cables do not reach your bow, center mount or stern battery compartments

Easy to install; with no cutting, stripping or crimping of your existing cables, makes installation quick and easy. Built to last, each cable extender kit uses fully tinned marine wiring, gold plated hardware and dual in-line fuses for maximum protection in the event of internal or external short circuits.

Please follow the battery safety precautions on the reverse side prior to proceeding with the installation of the enclosed kit.

These following tools will be required for your installation: one pair of pliers, two 9/16" wrenches

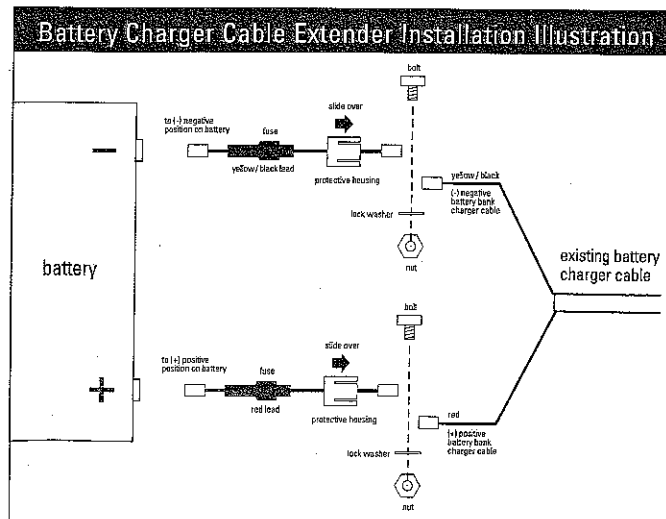
Please follow each of the following steps to insure proper installation:

1. Remove AC power from your On-Board Charger.
2. Open all battery compartments and ventilate for a minimum of 15 minutes prior to proceeding to step 3.
3. Locate the yellow / black ground wire and red positive wire of the battery charger bank cable you will be extending.
4. Attach the yellow / black ground wire of the extender cable by simply placing the ring terminal of the extender cable over the ring terminal of the existing yellow / black charger cable.
5. With the two ring terminals over each other in place the included lock washer on top then insert the gold plated bolt through the two ring terminals and lockwashers.
6. Add the gold plated nut and tighten with (2) 9/16" wrenches until the lock washer is compressed.
7. Slide the yellow plastic housing with the compression fingers going over the bolt head; and press the bolt assembly into the housing until the housing snaps into a locked position.
8. Repeat steps 3 through 7 for connecting the red positive wire of the cable extender to the red positive wire of the charger cable you are extending.
9. Prepare each battery in advance by cleaning each terminal post with a wire brush until shiny surface is obtained.

10. Run your extender cable free from sharp objects. Do not cut or shorten the length of the extender cables as there are dual in-line fuses located 4 inches from each end of the positive and negative cable. These fuses are in place to protect wiring and your boat in the event of a short

11. To complete the installation, connect the cable extender to as illustrated. Make sure the black / yellow (negative) wire is connected to the negative battery post, and the red (positive) wire is connected to the positive battery post.

12. For your convenience please find the illustration of a typical cable extender installation. Please call ProMariner (Monday through Friday) at 1-800-824-0524 8:30am to 5:00pm EST with any questions.



General Safety Instructions

Before connecting your batteries or AC power, read all instructions and cautionary markings on the battery charger and batteries.

To reduce the risk of electrical shock, remove AC power from the charger prior to any maintenance or cleaning.

WARNING: RISK OF EXPLOSIVE GASES

WORKING IN THE VICINITY OF A LEAD ACID BATTERY IS DANGEROUS. BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL BATTERY OPERATION. FOR THIS REASON IT IS OF EXTREME IMPORTANCE THAT EACH TIME BEFORE USING YOUR CHARGER YOU FOLLOW THESE SAFETY INSTRUCTIONS.

To reduce risk of battery explosion, follow these instructions and those published by the battery manufacturer, and of any equipment you intend to use in the vicinity of a battery. Review all cautionary markings and labels.

Personal Safety Precautions

Someone should be within the range of your voice or close enough to come to your aid when working near a lead acid battery.

Have plenty of water and soap nearby in case battery acid comes in contact with skin, clothes or eyes.

Wear complete eye protection and clothing protection. Avoid touching eyes while working with a battery.

If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters the eye(s) flood eye(s) with running cold water for at least 10 minutes and get medical attention immediately.

Never smoke or allow a spark or a flame in the vicinity of a battery or engine.

Be extra cautious to reduce risk of dropping a metal tool onto a battery. It may spark or short-circuit the battery or other electrical parts that may cause explosion.

Remove all personal metal items such as rings, bracelets, necklaces, watches, and jewelry when working near a battery. A battery can produce a short circuit high enough to weld a ring or any metal, causing serious burns.

Never charge a frozen battery.

Safety Precautions Prior to Charging Batteries

If necessary to remove a battery from a boat to charge, always remove grounded terminal from battery first. Make sure all accessories in the boat are off, as to not cause an arc.

Be sure the area around the charger and batteries is well ventilated while the batteries are being charged. Gases can be forcefully blown away using a piece of cardboard or other nonmetallic material as a fan.

Clean battery terminals with full eye protection to prevent corrosion from coming in contact with eyes.

Add distilled water in each cell until electrolyte reaches levels specified by the battery manufacturer. This helps purge excessive gases from cells. Do not overfill. For batteries without caps, carefully follow manufacturer's recharging instructions.

Study all manufacturer's specific precautions, such as removing or not removing cell caps while charging, in addition to rates of charge.

Extension cords should be industrial grade / heavy duty U.L. approved and grounded. Check extension cord before use for damage, bent prongs, and cuts. Replace if damaged.

Always make your extension cord connection on the charger side first. After connecting the extension cord to the charger then proceed to plug the extension cord to a nearby 120 VAC GFCI protected (Ground Fault Circuit Interrupt) outlet.

Always remove the extension cord from the 120 VAC outlet first when charging is completed followed by unplugging the charger.