

**Warning:** Before working on any electrical equipment, always turn off the power.

**WARRANTY** Marincó warrants that at the time of shipment, the products manufactured by Marincó and sold hereunder shall be in conformity with applicable written specification and descriptions referred to or set forth herein, free from defects in material and workmanship, merchantable, and suitable for a particular purpose, provided such is implied by state law under the circumstances of this sale. Please visit the Marincó Shower Power page at [marinco.com](http://marinco.com) for online warranty registration.

### WARRANTY ADJUSTMENT

1. Marincó agrees to repair or furnish a replacement for, but not remove or install, any product or component thereof which, within five (5) years from the date of shipment by Marincó shall, upon test and examination by Marincó, prove to be defective within the above warranty.
2. Buyer shall notify Marincó of any defect within this warranty no later than thirty (30) days after a defect is discovered.
3. No product shall be accepted for return or replacement without the written authorization of Marincó. Upon such authorization, and in accordance with instructions from Marincó, the product will be returned to Marincó, shipping charges prepaid by buyer. Product returned to Marincó will be addressed as follows:

Marincó, N85 W12545 Westbrook Crossing, Menomonee Falls, WI 53051, or such alternate locations as may be designated on the product or it's container. Repair or replacement made under this warranty will be shipped prepaid.

### MARINCO POWER PRODUCTS LIMITED WARRANTY

Subject to the exclusions and limitations detailed below, Marincó warrants to the original consumer that MARINCO Power Products will be free from defects in materials and workmanship under normal use and service for a period of sixty (60) months from the original consumer's date of purchase.

For purposes of this warranty: (i) "original consumer" is defined as the purchaser who first uses the product after its initial installation or, in the case of products designed for nonpermanent installation, the first owner who uses the product; and (ii) "Marincó" is defined as Actuant Electrical, Inc., a New York corporation, doing business as Marincó.

### OBTAINING WARRANTY SERVICE

In order to obtain the applicable warranty on a product, the original consumer must: (i) notify Marincó of any defect, malfunction or nonconformity within thirty (30) days after discovery of such defect, malfunction, or nonconformity, and (ii) obtain a Return Material Authorization Number ("RMA") from Marincó.

Instructions for obtaining an RMA are available at [www.Marinco.com](http://www.Marinco.com). Unless otherwise prohibited by applicable law: (i) proof of purchase is required at the time warranty services are requested, and (ii) all costs associated with returning the product to Marincó for warranty service shall be the sole responsibility of the original consumer.

Replacement products may be new or refurbished. If Marincó repairs or replaces the product, the repaired or replaced product shall be warranted for the remaining time of the original warranty period or for ninety (90) days from the date of repair, whichever is longer.

# MARINCO®

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ZX454

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owner's guide

## PowerCord Cordset



PowerCord PLUS™ Cordset



PowerCord™ Cordset

This manual covers all Marincó® 30A + 50A Cordsets

Milwaukee, WI  
Phone: 800-307-6702 • Fax: 262-293-7022  
For more information visit our website at [marinco.com](http://marinco.com)

**Choice of Boat Builders Worldwide**

**WARNING** To minimize shock hazard, follow these instructions:

### POWER CONNECTION

- Turn off the boat's shore connection switch before connecting the PowerCord cordset.
- Connect the cordset to the boat inlet first, then to the shore outlet. ***If polarity warning indicator in the boat is activated, immediately disconnect cordset and have the fault corrected by qualified electrician.***

### POWER DISCONNECTION

- Turn off the boat's shore connection switch before disconnecting the PowerCord cordset.
- Disconnect the cordset at shore outlet first, then disconnect the boat inlet. Close boat inlet cover tightly to prevent water intrusion.

## NEVER ALTER POWERCORD CORDSET CONNECTORS

**CONNECTION RINGS** Maringo® cordsets are compatible with all other brands of inlets and adapters. All Maringo® PowerCord cordsets come with a threaded sealing ring for use with threaded inlets. Maringo's exclusive Easy Lock™ connection ring is also available. The lock locators on the Easy Lock connection ring (180° opposite of each other) mate with the built-in grooves on all Maringo® Easy Lock inlets. Simply turn and lock. If your inlet was manufactured and installed prior to 4-1-92, it is of the thread-locking design. A threaded ring is included for use with threaded inlets.

**CHANGING CONNECTION RINGS** To change the connection ring on the cordset, apply a soap solution around the ring and the boot to lubricate the parts. Using a twisting motion, force the ring past the shoulder of the boot. You may need the use of a large screwdriver to pry the ring off. Use caution with any tools to avoid damage to the shoulder. Follow the same procedure to install the ring.

**GROUND BLADE ORIENTATION** All Maringo® cordsets feature a ground blade orientation feature that makes hook-up easier.

**POWERCORD PLUS THUMBPRINT LOCATOR** Grasp the cordset with your thumb above the LED light. With your thumb in the 12 o'clock position, the ground blade is located in the 6 o'clock position for easy electrical connection.

**POWERCORD PLUS POWER INDICATOR LIGHT** Power Indicator LED Light located in the connector end glows red to show when the power is on. For safety, always use the PowerCord Plus cordset as if the power is still on, even if the LED light is not on.

**STORAGE** Your Maringo® PowerCord cordset is intended for use outdoors. To prolong the life of the cordset, store indoors when not in use.

**MAINTENANCE WARNING** – To prevent electrocution, always disconnect cordset from power source before performing any maintenance.

- Before each use, examine the ends of the cordset, the face of the inlet on the boat, and the receptacle on the dock. Look for signs of discoloration which indicates overheating.
- If a connection shows signs of overheating, replace it immediately. Do not wait for the problem to get worse.
- If a cordset end is overheating, it might be the boat's inlet, or the dock's receptacle that is causing the problem. Both mating parts should be replaced.
- **Carefully follow the wiring instructions supplied with all replacement devices to insure proper operation.**

**CARE** The metallic parts of your Maringo® cable set are made to resist corrosion. In a salt-water environment, life of the product can be increased by periodically cleaning the exposed parts with fresh water, drying, and apply Gardner Bender® Ox-Gard™.

### Salt Water Immersion:

Disconnect from power source. Rinse plug end or connector end thoroughly in fresh water, shake, or blow out excess water and allow to dry. Spray with Gardner Bender® Ox-Gard™.

**Maringo® recommends this PowerCord Owner's Guide be made a part of your Boat Service Manual.**

### TROUBLE SHOOTING GUIDE

Maringo® plugs, connectors, receptacles, and inlets are engineered to provide years of trouble free service. However, the marine environment can cause problems with even the best designed devices. If problems can be detected while they are small, it can save the boat owner time and expense later on. The most common problems with electrical connections are salt water immersion and overheating. Fortunately, overheating can be easily detected and quickly remedied. The following are precautions and solutions to extend the life of your Maringo® equipment.

**What to look for...** Examine the ends of the shore power cords. Look for discoloration or melting around the blades of the plug (male end) and around the slots on the connector (female end). Examine the face of the inlet on the boat and look for discoloration or melting around the blades and the inlet. Examine the receptacle on the dock and look for discoloration or deterioration around the slots.

**What causes overheating...** If a device shows signs of overheating, it is generally caused by one or two conditions: corrosion on the metal blades or contacts, or bad connections between the wiring device and the wires connected to it. Severely corroded blades or contacts are a result of exposure to a corrosive environment, most commonly salt water. If the ends of the cordset are dropped into salt water and not properly cleaned and dried, the contacts will eventually corrode. Corroded contacts do not make a good electrical connection and overheating results. Bad connections between a wiring device and the electrical wire can be a result of loose terminations, corrosion on the wires or terminals, or the wires not being stripped properly so the wire insulation is under the terminals. A bad connection will result in overheating of the terminal, and this will be visible on the face of the wiring device.

**What to do...** If a wiring device shows signs of overheating, it should be replaced immediately. Do not wait for the problem to get worse. When replacing wiring devices, examine the electrical wire and make sure the wire strands are clean, and are not corroded. Even a new device can not make a good connection to corroded wire. Many boat owners think overheating is a result of over loading the circuit, but this is rarely the case. A bad connection in an inlet will also cause the mating connector to overheat. All too frequently a boat owner will merely continue to replace his connector, not realizing that the inlet is causing the problem. Both devices should be replaced in order to prevent the problem from happening again. The same is true for the plug and the receptacle on the dock.