

IMPORTANT INFORMATION

Before installation, read and understand all instructions and warnings.
Consult lift manufacturer before installation to insure compatibility and to
obtain their guidelines for safe installation and use.
All 120 Volt units MUST have electrical ground fault interrupter protection.

3006.4656 - 12/24V Key Turn
3006.4662 - 12/24V W/ Wireless Remote
3006.4647 - 120V Key Turn
3006.4653 - 120V W/ Wireless Remote

WARNING:

Hazardous voltage. Contact may cause electrical shock and injury. Disconnect before servicing.

- Misuse of this product can result in bodily injury, death, or property damage.
- Do not overload the capacity of the lift or drive system. When lifting, do not let the cradle or pulleys make contact with the lift frame. Serious injury or damage could occur.
- When lowering the lift, go down just far enough so the boat will come off of the lift. Running the system too long in the down cycle will wind the cable backwards and lift the boat, which could cause serious injury or damage.
- To prevent serious personal injuries or death, do not allow children, swimmers or pets on or near the boat or lift while it is in operation as they may become caught under the boat and suffer pinch, amputation or other serious injuries.
- In the event of unintentional or erratic operation permanently unplug unit from power source to disable the system and contact the Extreme Max service department at 651-357-1874.

120 Volt Models

120-Volt Boat Lift Boss models must only be used on an electrical circuit that has ground fault interrupter protection. The interrupter and its supply circuit MUST be installed to all applicable electrical codes. Any necessary electrical work should be done by a licensed electrician. Boat Lift Boss should only be connected to power source by a marine-rated, 3-prong grounded cord. Cord should be inspected regularly to insure good condition. Improper wiring or lack of a properly installed ground fault interrupter poses a high risk of injury or death.

CAUTION:

120 Volt Models

If the unit will be left unattended, disconnect the unit from power source to prevent damage from lightning and electrical surges.

12/24 Volt Models

If the unit will be left unattended, disconnect the unit from the power source or move the power switch to the "OFF" position to prevent damage.

Remote Control Models

Never attempt to use the key switch and the remote control at the same time. Do not have the key in the control box when you plan to use the remote control to prevent property damage.

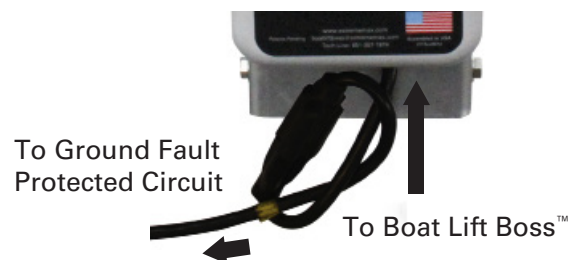
INSTRUCTIONS

- Read all instructions and warnings prior to installation and use.
- For use by adults over age 18.
- Wait for the motor to come to a complete stop before changing directions.
- Do not lift anything other than your boat.
- Put one of the two keys on a floating key chain and the spare key in a safe place.

Remote Control Models

- Remote range will vary depending upon land topography and ground clutter (trees, buildings, etc.).
- Do not use remote more than 15 feet (4.5m) from the lift. This will prevent accidentally exceeding the travel limits of the boat lift. Never operate the remote out of visual contact.

Loop the electrical cord connection as shown to help secure connection.



Installation Instructions

Read all information included on page 1 before beginning operation or installation.

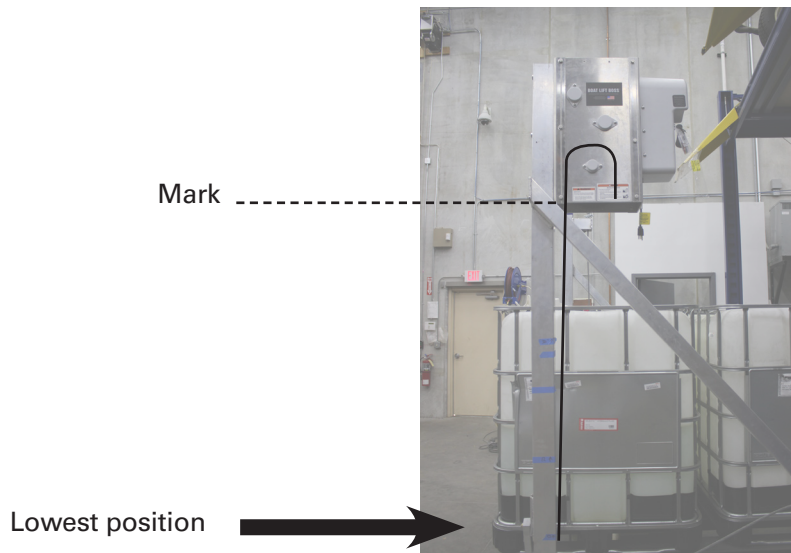
Winch Installation Instructions

- Locate winch post on boat lift.
- Attach winch to post using boat lift manufacturer supplied hardware and instructions.
 - Some lifts may require a secondary mounting bracket to be installed first, consult instructions for your specific lift prior to installation.
 - The winch back plate includes a variety of hole patterns to accommodate different brands. The winch must fasten in at least two places using the highest holes available. Use provided square steel plate on the top hole in the inside of the winch box.
 - If lift hardware is not supplied or replacement hardware is needed, use grade 8 or equivalent 1/2" bolts, with oversized fender washers on both sides, lock washers, and nylock nuts.

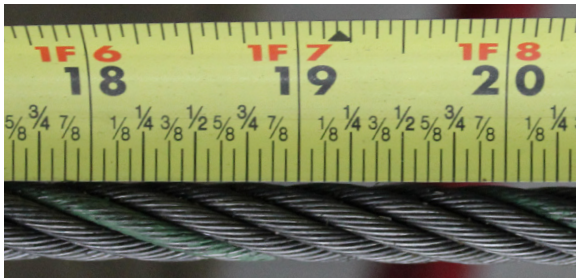
Cable Installation Instructions (7K)

- With the lift cradle in its lowest position, hold the winch cable taut to the bottom of the case and mark.

Figure 1



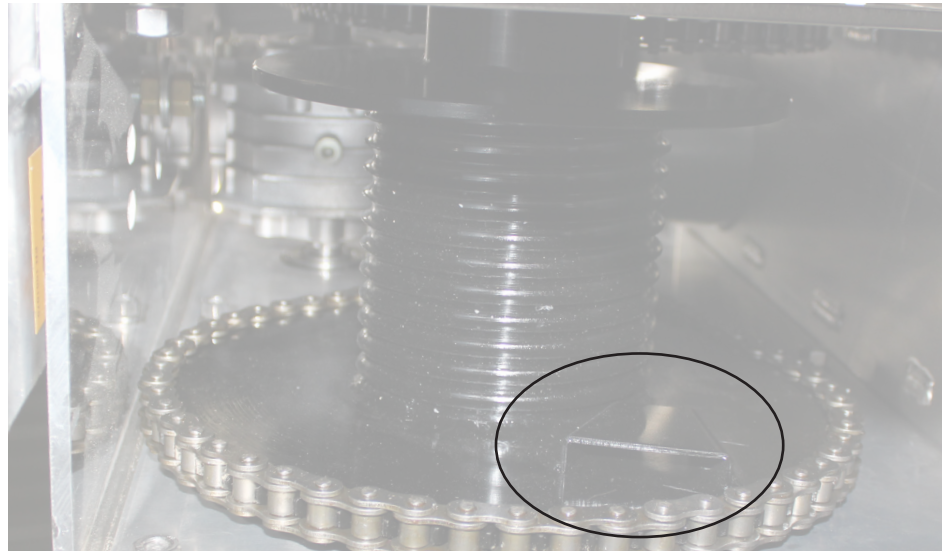
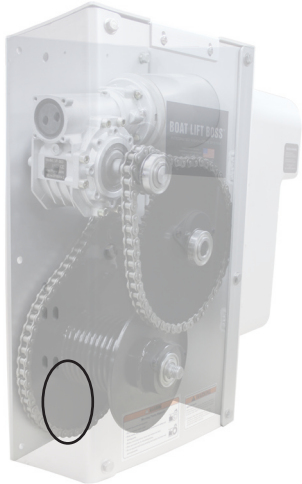
- Starting at your mark, measure 18-20 inches towards the free end of the cable and mark again



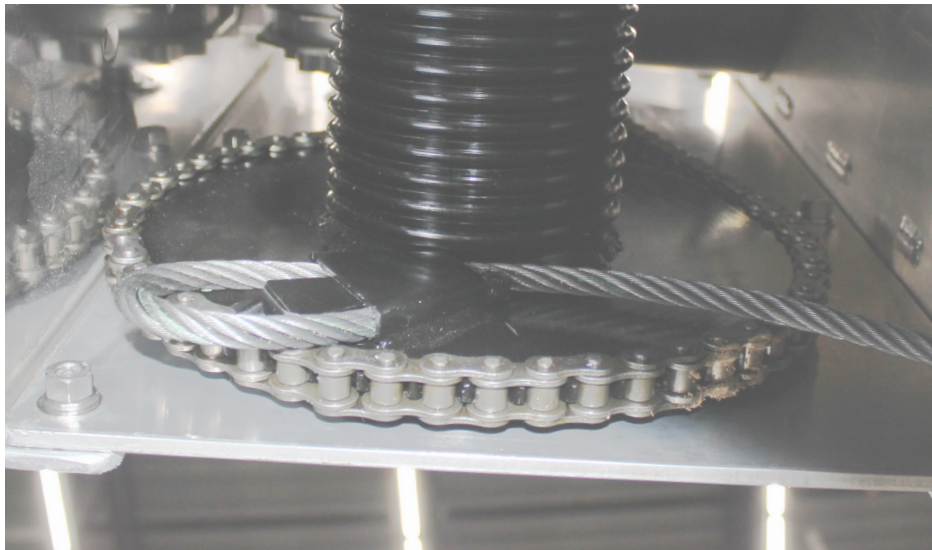
- Cut the cable at the second mark and discard excess



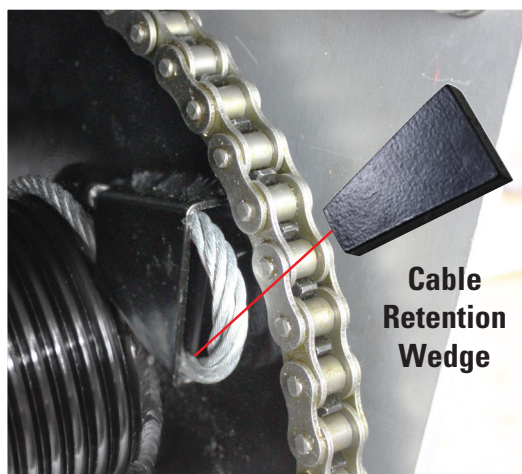
- Rotate drum until wedge socket is at the bottom 6 o'clock position



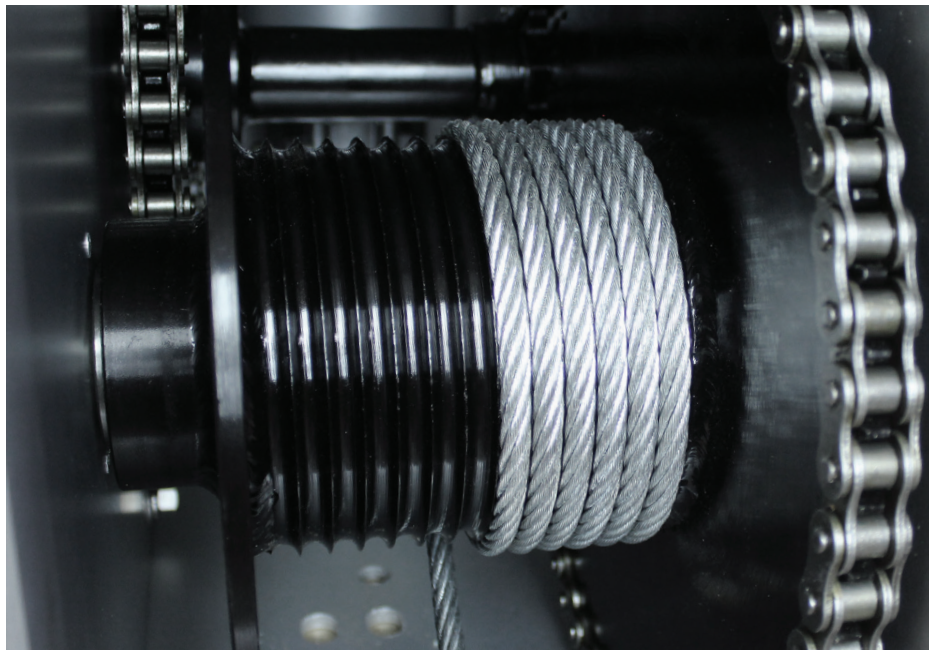
- Feed cable in through the narrow end of the socket toward the drum.
- Loop cable back around and through the bottom of the socket, leaving approximately 1" of cable through the end.



- Insert wedge in the loop and pull cable to tighten until wedge is mostly seated. Make sure at least 1/2" of the end of the cable is visible.



- Operate winch up, cable will begin to spool and cable tension will pull the wedge tighter in to the socket. After one revolution, recheck to make sure 1/2" of the end of the cable is still visible and has not slipped.



Boat Lift Boss™ Connector Guide/Video Demo

Boat Lift Boss replacement field-serviceable housing units now come with a Red and Gray connector that will need to be attached to the bare leads extending from the electronics module inside the unit's front cover. Attach the connector that color-matches the connector on the pigtail extending from the unit's motor.

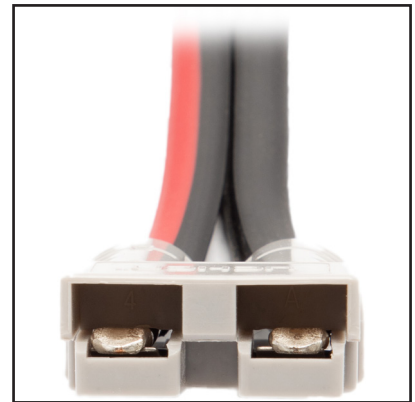
When inserting the wire pins in the plastic connector, pay close attention to the orientation of the pins and connector. Make sure the letters "SC6" are facing upward on the wire pins and the + and - are facing upward on the connector. Insert the wire pins into the back of the connector with the red pin on the positive (+) side and the black pin on the negative (-) side. Insert each pin until you here a click, then pull gently on the wire to ensure the pin is securely inserted into the connector.



Connect Positive

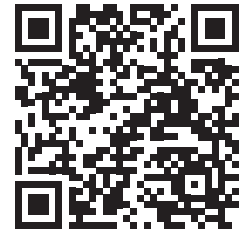


Connect Negative



Verify Connection

Use your mobile device to scan the QR code on the right to view a video demonstration on the quick connector installation process. Watch each step of the video carefully as the method of attaching the quick connector to the bare leads is crucial to a safe and successful installation.

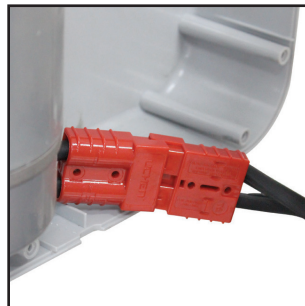


If you are having trouble using the QR code, visit the Extreme Max YouTube channel for access to the tutorial.

Original Generation 5 units contained a red connector to connect the electronics box to the motor. A replacement red and gray connector will be included with all replacement units so that you can match your motor lead.

IMPORTANT: Never connect the longer lead (Red) to the motor lead (Gray). The longer lead always goes to the battery. If connectors are attached incorrectly, **major damage will occur.**

Original Red Connector



Updated Gray Connector



Integrated Boat Lift Boss™ Cover Removal

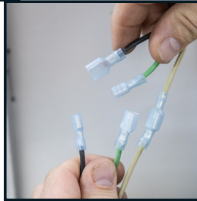


On your 5K Integrated Boat Lift Boss™, loosen the screws so that the housing can be pulled apart from the metal winch box assembly. The quantity of screws to loosen/remove is **8 total**.



Make sure **power is disconnected** and the **winch is not on or working** when performing this work.

Loosen the 4 phillips head screws on the left and right side of the Plastic Electronics housing and Assembly enough so that the housing can be pulled away from the metal winch box and motor assembly. **If performing work over the water, try to be careful not to let the screws fall into the water.**



For DC 12/24 models, disconnect the red or gray Uchin connector going from the Plastic Electronics assembly and the motor, and you are now ready to swap Plastic Electronics assemblies.

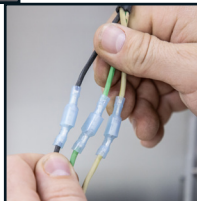
For AC 120v models, there are 3 wires that will need to be disconnected. Green, white and black will all be disconnected and then the swap can be performed. Reverse instructions for re-assembly. Always make sure power is disconnected when working on this unit.

Integrated Boat Lift Boss™ Cover Re-Installation



Make sure **power is disconnected** and the **winch is not on or working** when performing this work.

For DC 12/24 models, connect the red or gray Uchin connector going from the Plastic Electronics assembly and the motor.



For AC 120v models, there are 3 wires that will need to be connected. Green, White and black will all be connected. Always make sure power is disconnected when working on this unit.



Realign the plastic housing onto the metal winch assembly and tighten the **8 screws** so that the unit is now reassembled and ready for operation.

Integrated Boat Lift Boss™ Guide

Integrated Boat Lift Boss replacement field-serviceable housing units now come with a Red and Gray connector that may be needed in order to retrofit older units with newer electronics. If the lead from your motor has a Red connector, you will need this short connector cable. If the lead from the motor is Gray, you will not need the Red connector.



Original Generation 5 units contained a red connector to connect the electronics box to the motor. A replacement red and gray connector will be included with all replacement units so that you can retrofit.

IMPORTANT: Never connect the longer lead (Red) to the motor lead (Gray). The longer lead always goes to the battery. If connectors are attached incorrectly, **major damage will occur.**



Contents:

- | Qty. | Description |
|------|--|
| 1 | Boat Lift Boss™ |
| 2 | Keys |
| 1 | Wire harness with battery ring terminal connectors (12 volt models only) |
| 1 | Wireless remote (Remote control models only) |

Maintenance

Inspect Boat Lift Boss™ and electrical connections regularly to insure that all parts

Storage

Cover Boat Lift Boss™ to prevent damage from snow, rain, ice, and UV rays.

Back-Up Drive

During power outage, remove the black plastic plug above the key switch, use a drill with a 1/4" extension and a 7/16" or 1/2" socket on the exposed hex head. Counter-clockwise lifts boat and clockwise lowers boat.

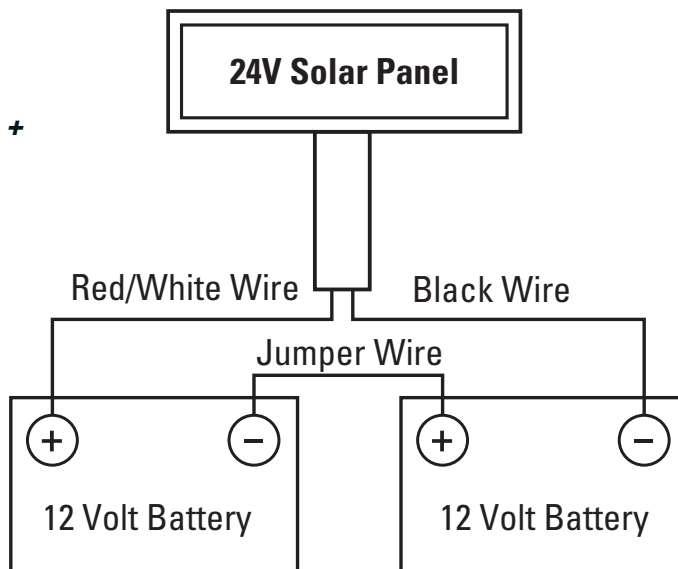
24 VOLT DIAGRAM

Using 24-volt power can nearly double your pulling speed. Wire the batteries in series according to the following instructions and diagram.

⚠️ WARNING: Electric arc flash hazard. Improperly connected terminals may result in explosion or electric shock. Follow all instructions for wiring in series. Always connect to positive (+) terminal before negative (-) terminal.

- 1) Attach the jumper wire to the positive (+) terminal of one battery, then the negative (-) terminal of the other.
- 2) Attach the solar panel's positive (+) power lead to the remaining positive (+) battery terminal.
- 3) Attach the solar panel's negative (-) power lead to the remaining negative battery terminal.

White or red wire: Positive +
Black wire: Negative -



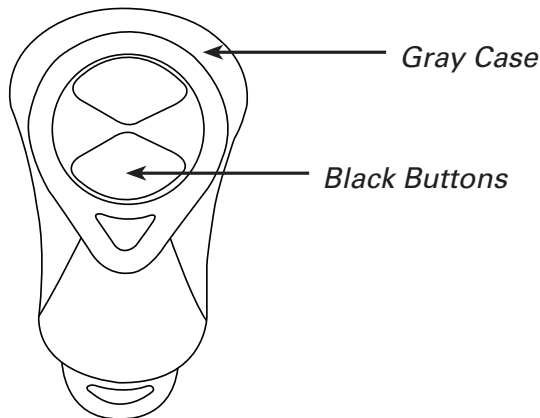
Battery Replacement, Usage, and Programming of the Remote Control Unit

Remote Control - Gen 4:
3001.9815

Battery Replacement Only:
3005.4242

Important

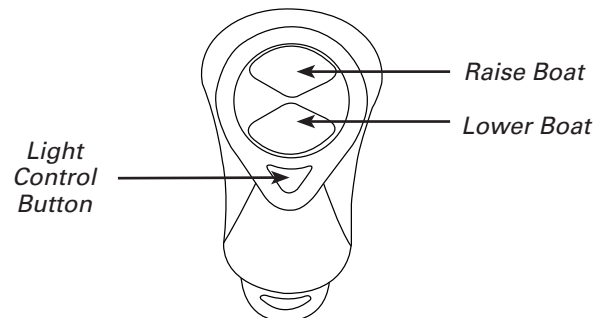
The following instructions are intended to be used for pairing a Generation 4 Remote Receiver, wireless compatible Generation 5 units, and Generation 6 units.



Part I: Remote Use

Use the top button on your remote to raise your boat, and the bottom button to lower your boat.

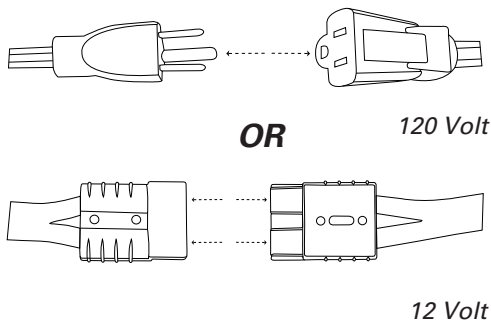
The smaller button below is used for the optional lighting kit and programming of the remote.



Part II: Programming

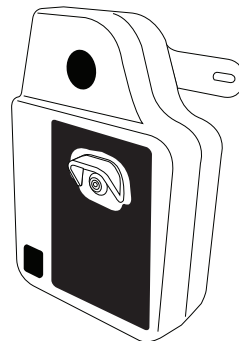
Step 1

Unplug the Boat Lift Boss unit from the power source.



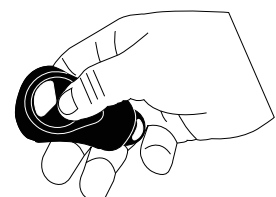
Step 2

The unit should remain unplugged for 10 seconds to reset the unit. This is mandatory.



Step 3

Press and hold the "Light Control" button on the remote control and reconnect the power to the Boat Lift Boss unit. Continue to hold the "Light Control" button for 5 seconds. After releasing the button, wait another 5 seconds for the unit to exit pairing mode. The unit should now be operational.

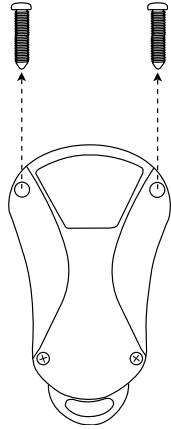


Refer to www.ExtremeMax.com for the most up to date programming instructions.
www.ExtremeMax.com > Support > Boat Lift Boss Programming

Part III: Battery Replacement

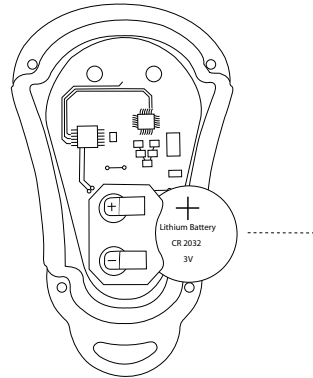
Step 1

Remove the four screws from the remote control, remove the back cover.



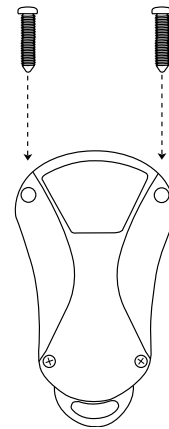
Step 2

Remove the old battery, and install a new lithium battery (model number facing up). Use 3-volt 2032 battery. (Part Number: 3005.4242)



Step 3

Reinstall back cover. Make sure the cover lines up properly with the interior electric board.



Troubleshooting:

1. Ensure the remote control's battery is operational. A dead battery will not allow the remote to pair with the Boat Lift Boss.
 - A battery may be tested by removing the back cover of the remote. Once open, an LED light will show when a button is pressed if the battery has charge.
2. During Step 2 of the Programming stage, be sure that the unit is to remain unplugged for 10 seconds to reset the unit. This will allow the programming to continue.
3. If the previous steps fail, confirm that the Boat Lift Boss being paired to is a Generation 4 (or newer) unit.

LIMITED WARRANTY

Extreme Max™ Boat Lift Boss™ Direct Drive Systems are conditionally warranted for consumer use for 2 years after the date of retail purchase. Warranty valid only in the USA and Canada.

Extreme Max™ Boat Lift Boss Direct Drive Systems are conditionally warranted to the original retail purchaser to be free from defects in material and workmanship, ordinary wear and tear expected. This warranty shall not apply to any defects caused by (I) overloading, (II) physical abuse of goods or any acts of vandalism by any person, (III) improper installation or use contrary to the instructions, (IV) commercial use, (V) saltwater use. The sole remedy under this warranty is at the discretion of the manufacturer: the repair of the product by the manufacturer at the manufacturer's facility, or the replacement of the same or similar product. Extreme Max™ is not responsible for any consequential or incidental damages. The consumer shall be responsible for shipping charges to return any unit believed to be defective to Extreme Max™. Repaired or replacement units shall be returned to the consumer at the manufacturer's expense. In the event that a unit is not defective, it will be returned to the consumer at the consumer's expense. Any and all expedited freight charges to handle warranty claims are the responsibility of the consumer. Extreme Max™ is not responsible for any 3rd party labor charges that may be incurred in removing, transporting or installing the lift.

Extreme Max™ disclaims any other express warranties, all UCC implied warranties, and warranties of merchantability and fitness for purpose.

To expedite warranty service, please complete and return the Warranty Registration Card along with a copy of original retail sales receipt at the time of purchase.

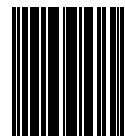
To submit a warranty claim, please send your name, mailing address, original sales receipt and summary of alleged defect to boatliftboss@extrememax.com. Please e-mail or call (651) 357-1874 with questions regarding warranty service and claims.

**If there are any missing or damaged parts,
DO NOT return Boat Lift Boss™ to the retailer.**

Call the Boat Lift Boss™ Service Dept. at: 651-357-1874

E-mail - boatliftboss@extrememax.com

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