FCC and IC Compliance Statement

Xi5 WIRELESS FOOT PEDAL FCC ID - MVU09291
Xi5 WIRELESS REMOTE FCC ID - MVU09305
IC: 6094A-09291, 6094A-09305

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received including interference that may cause undesired operation.

This device complies with FCC Rules.
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

EU Compliance Statement

Attwood Corporation hereby declares that the MotorGuide Xi5 trolling motor is in compliance with the essential requirements and other relevant provisions of the 99/5/EC R&TTE directive.

CE Declaration

Manufacturer: Attwood Corporation
Address: 1016 N. Monroe
Lowell, MI 49331 USA
Telephone: 616-897-9241
Authorized Representative: Brunswick Marine
Parc Industriel de Petit-Rechain
B-4800
Verviers, Belgium
Product: **MotorGuide Xi5 Series**

Model: includes all 12, 24, and 36 volt DC models


- EN 300 440-1 V1.6.1: EMC and Radio spectrum Matters; Short Range Devices.
- EN 301 489-1 V1.9.2: EMC and Radio spectrum Matters; Radio Equipment.


- EN 60945:2002+C1:2008 - Maritime navigation and radiocom. equip. (Motor systems)
  - CISPR16 - Conducted and Radiated Emissions
  - EN61000-4-2:2008 ESD
  - EN61000-4-3:2006 Radiated Immunity
  - EN61000-4-4:2004 EFT
  - EN61000-4-5:2005 Surges
  - EN61000-4-6:2008 Conducted Susceptibility
  - EN61000-4-8:2001 Magnetic Field Immunity
  - EN61000-4-11:2004 Voltage Dips and Interrupts


- EN ISO 12100 - Safety of machinery - General principles for design, risk assessment and reduction

An official copy of the Declaration of Conformity can be found at [http://www.motorguide.com/support/certifications](http://www.motorguide.com/support/certifications).
Environmental Compliance Statement

All MotorGuide products that are subject to the 2002/96/EC WEEE directive are compliant with the WEEE marking requirement. Such products are marked with the crossed-out wheelie bin (WEEE symbol shown below) in accordance with European Standard EN50419.

![WEEE Symbol](image)

The symbol on the product or its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste for recycling, please contact your local authority, or where you purchased your product.

Important Operator Information

⚠️ ISO 7000-0434B - Caution symbol
Consult this documentation in all cases where this symbol appears. This symbol is used to inform you of any potential HAZARD or actions that require your attention.

Use of this equipment in a manner other than that specified by Attwood Corporation may compromise the design integrity and become unsafe.

**WARNING:** This equipment is not intended for use in explosive environments.

**ADVERTENCIA:** Este equipo no está diseñado para uso en atmósferas explosivas.

**AVVERTIMENTO:** Questa apparecchiatura non è inteso per l'uso in ambienti esplosivi.

**WARNUNG:** Das Ausrüstung darf in einer explosiven Umgebung NICHT verwendet werden.

**ADVERTISSEMENT:** Cet équipement n'est pas prévu pour une utilisation dans des environnements explosifs.

Thank You

Thank you for purchasing a MotorGuide Xi5 Wireless Trolling Motor.
The Xi5 is designed and engineered to deliver the performance that anglers expect: quiet operation, reliability, and precise control. We’re confident that the Xi5 will enhance your fishing experience and we appreciate that you chose MotorGuide.

Please take a moment to register your new Xi5 at motorguide.com—or complete and mail the enclosed Warranty Registration Card.

Warranty Message

The product you have purchased comes with a Limited Warranty from MotorGuide. The terms of the policy are set forth in the Warranty Information section of this manual. The policy statement contains a description of the duration of coverage, important disclaimers and limitations of damages, and other related information. Please review this important information.

The description and specifications contained herein were in effect at the time this manual was approved for printing. MotorGuide, whose policy is one of continued improvement, reserves the right to discontinue models at any time, to change specifications, designs, methods, or procedures without notice and without incurring obligation.


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## Warranty Information

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WARRANTY INFORMATION

MotorGuide Two Year Limited Warranty

KEEP YOUR ORIGINAL PURCHASE RECEIPT OR BILL OF SALE.

1. For recreational use customers, MotorGuide electric trolling motors are warranted to the original retail purchaser to be free from defects in material or workmanship for a period of two years from the date of purchase.

2. To obtain warranty service, the purchaser should deliver or return the unit (postage prepaid and insured) to any MotorGuide authorized service dealer. DO NOT RETURN TO PLACE OF PURCHASE unless they are an authorized service center. Products returned by mail should be carefully packaged and include a note describing the nature of the problem and/or service requested, customer address, and phone number. A copy of the receipt, bill of sale, registration verification or other proof of purchase is required with the return of the product for warranty consideration. Warranty claims will not be accepted without presentation of purchase receipt for the trolling motor, other verification of registration, or bill of sale for a boat package.

3. MotorGuide, at its discretion, will repair or replace items covered under the terms of this warranty. Neither MotorGuide nor MotorGuide service dealers are responsible for damages to MotorGuide products due to repairs performed by anyone other than an authorized MotorGuide service dealer. Neither MotorGuide nor Attwood is responsible for failure or damage caused by improper installation, set-up, preparation, or previous service or repair errors.

4. For commercial use and government use customers, MotorGuide electric trolling motors are warranted to the original retail purchaser to be free from defects in material or workmanship for one (1) year. Commercial use is defined as any work or employment-related use of the product, or any use of the product which generates income, for any part of the warranty period, even if the product is only occasionally used for such purpose such as rental fleets, guides, fish camps or similar operations. Warranty is not transferable to any subsequent purchaser. The Mercury Product Protection plan is not available to commercial use or government use customers.

5. MotorGuide Composite Shaft Limited Lifetime Warranty. MotorGuide composite shafts are warranted to the original retail purchaser to be free of defects in material or workmanship for the lifetime of the original purchaser. MotorGuide will provide a new composite shaft at no cost for any composite shaft which contains a defect in material or workmanship. The installation costs are the sole responsibility of the purchaser.
6. Warranty coverage is available to customers that purchase from an authorized dealer or retailer that is authorized by MotorGuide Marine to distribute the product in the country in which the sale occurred. Warranty coverage and duration varies by the country in which the owner resides. This Limited Warranty begins on the date the product is first sold to a purchaser or the date on which the product is first put into service, whichever occurs first. MotorGuide accessories are covered by this Limited Warranty for a coverage period of one (1) year from the date of retail sale. The repair or replacement of parts, or the performance of service under this warranty, does not extend the life of this warranty beyond its original expiration date. Promotional warranties are not included in this statement and coverage may vary by promotion. Product either sold or put into service more than six years from date of manufacture is excluded from warranty coverage.

7. This warranty does not apply to normal worn parts, for example, worn cables, adjustments, or product damage due to: 1) neglect, lack of maintenance, accident, abnormal operation or improper installation or service; 2) abuse, such as, bent metal columns, bent armature shafts, broken control cables, etc., accidents, modifications, misuse, excessive wear or damage caused by an owner's failure to provide reasonable and necessary installation or care; 3) use of an accessory or part not manufactured by MotorGuide or Attwood; 4) alteration or removal of parts; 5) opening the lower unit (motor) by anyone other than an authorized MotorGuide service center will void this warranty.

8. We reserve the right to improve the design of any trolling motor without assuming any obligation to modify any trolling motor previously manufactured.

9. All serialized "Service-Repair" trolling motors receive a (1) one year warranty. Non-serialized "Service-Repair" electric trolling motors are NOT warranted. "Service-Repair" motor denotes a trolling motor sold by MotorGuide that may be used, but has been inspected and may have had minor repairs. Original retail purchaser of a "Service-Repair" motor is the first purchaser of the motor after it is denoted as "Service-Repair." "Service-Repair" motors have a blue sticker on the battery cable and box denoting "Manufacturer Certified Service-Repair Motor."

10. This warranty will not apply to: 1) haul-out, launch, towing and storage, transportation charges and/or travel time, telephone or rental charges of any type, inconvenience, or loss of time or income, or other consequential damages; or 2) removal or replacement of boat partitions or material because of boat design for necessary access to the Product; or 3) disconnection and reconnection of hard-wired trolling motors.

11. TERMINATION OF COVERAGE: Warranty coverage may be terminated for repossessed product, or product purchased at auction, from a salvage yard, from a liquidator, from an insurance company, from unauthorized marine dealers or boatbuilders, or other third party entities.
WARRANTY INFORMATION

12. ALL INCIDENTAL OR CONSEQUENTIAL DAMAGES ARE EXCLUDED FROM THIS WARRANTY. WARRANTIES OF MERCHANTABILITY AND FITNESS ARE EXCLUDED FROM THIS WARRANTY. IMPLIED WARRANTIES ARE LIMITED TO THE LIFE OF THIS WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH MAY VARY FROM STATE TO STATE.

For Your Records:

☐ Model Number _______________________________
☐ Serial Number _______________________________
Component Identification

- **a** - Head
- **b** - Curly cable
- **c** - Foot release lever
- **d** - Battery cables (hidden)
- **e** - Wireless foot pedal
- **f** - Handheld wireless remote
- **g** - Deck mount
- **h** - Propeller
- **i** - Skeg
- **j** - Lower unit (motor)
- **k** - Depth collar
- **l** - Depth collar knob
- **m** - Composite column
- **n** - Steering transmission
Recording the Serial Number

It is important to record the serial number and model number for future reference. The serial number tags are located on the trolling motor as shown. Record the serial number and the model number in the space provided in the Warranty Information section of this manual.

a - Model identification number
b - Serial number

Product Registration

For warranty purposes, please register your MotorGuide trolling motor by completing the enclosed warranty card or by visiting www.motorguide.com.
Boater's Responsibilities

The operator (driver) is responsible for the correct and safe operation of the boat and safety of its occupants and general public. It is strongly recommended that each operator (driver) read and understand this entire manual before operating the trolling motor.

Be sure at least one additional person on board is instructed in the basic operation of the trolling motor in case the driver is unable to operate the boat.

Protecting People in the Water

WHILE YOU ARE TROLLING

It is difficult for a person in the water to take quick action to avoid a boat heading in their direction, even at slow speeds.

Always slow down and exercise extreme caution any time you are boating in an area where there might be people in the water.

WHILE THE BOAT IS STATIONARY

⚠️ WARNING

A spinning propeller, a moving boat, or any solid device attached to the boat can cause serious injury or death to swimmers. Stop the trolling motor immediately whenever anyone in the water is near your boat.

Shut off the trolling motor before allowing people to swim or be in the water near your boat.

Passenger Safety Message

Whenever the boat is in motion, observe the location of all passengers. A sudden reduction in boat speed, such as a sharp change of boat direction, could throw them off the boat.

Safe Boating Suggestions

In order to safely enjoy the waterways, familiarize yourself with local and other governmental boating regulations and restrictions, and consider the following suggestions.

Use flotation devices. It is the law to have an approved personal flotation device of suitable size for each person aboard and have it readily accessible.
GENERAL INFORMATION AND COMPONENT IDENTIFICATION

Do not overload your boat. Most boats are rated and certified for maximum load (weight) capacities, refer to your boat capacity plate. If in doubt, contact your dealer or the boat's manufacturer.

Perform safety checks and required maintenance. Follow a regular schedule and ensure all repairs are made properly.

Never be under the influence of alcohol or drugs while boating (it is the law). Alcohol or drug use impairs your judgment and greatly reduces your ability to react quickly.

Passenger boarding. Stop the trolling motor whenever passengers are boarding or unloading.

Be alert. The operator of the boat is responsible by law to maintain a proper lookout by sight and hearing. The operator must have an unobstructed view particularly to the front. No passengers, load, or fishing seats should block the operators view when operating the boat.

Underwater hazards. Reduce speed and proceed with caution whenever navigating in shallow water.

Tripping hazards. To avoid a trip hazard, route all cables and wiring neatly and out of the way.

Report accidents. Boat operators are required by law to file a Boating Accident Report with their state boating law enforcement agency when their boat is involved in certain boating accidents. A boating accident must be reported if 1) there is loss of life or probable loss of life, 2) there is personal injury requiring medical treatment beyond first aid, 3) there is damage to boats or other property where the damage value exceeds $500.00 or 4) there is complete loss of the boat. Seek further assistance from local law enforcement.
Installing the Trolling Motor

1. Remove the two side panel screws from each side of the deck mount. Gently pull the side panels away from the deck mount, taking care not to damage the locating tabs, and remove the side panels from both sides of the trolling motor.

   ![Image](47x379 to 254x492)

   **a** - Side panel screws
   **b** - Locating tab

2. If you are replacing an existing MotorGuide or competitive brand trolling motor on your current boat, check if the existing mounting holes align with the new deck mount before drilling new holes. Ensure that the mounting location meets the requirements listed in Step 4.

3. If new holes are not required to mount the trolling motor, skip ahead to Step 7.

4. Carefully select an appropriate area on the deck of the boat close to the centerline to install the trolling motor. Ensure that the forward mounting bolts will not penetrate the hull. Have an assistant hold the trolling motor in position while the mounting location is being selected.

   **IMPORTANT:** The mounting position must be tested in the stowed and deployed positions before drilling the mounting holes.

   **IMPORTANT:** Choose an area on the deck with 10.2 cm (4.0 in.) of clearance between the bow of the boat and the deck mount to prevent interference between the trolling motor and the bow roller when loading or unloading on a steep ramp.

   **IMPORTANT:** Ensure that the head does not protrude beyond the beam of the boat when in the stowed position.
IMPORTANT: A minimum clearance of 13 mm (0.5 in.) is required between the motor column and the rub rail on the boat when the trolling motor is deployed.

5. Place the trolling motor onto the deck of the boat at the selected location in the stowed position. Use the deck mounting bracket as a template and mark the location of the mounting holes.

IMPORTANT: Four mounting holes (two on each side) are required to securely mount the trolling motor. There are seven mounting hole positions to choose from on each side of the deck mounting bracket. Choose two hole positions on each side that work the best with your boat configuration.

IMPORTANT: Select mounting hole locations as far apart as practical on each side of the deck mounting bracket for the most secure mounting.

6. Drill the mounting holes with a 8 mm (5/16 in.) drill bit. Remove any debris.

IMPORTANT: To help prevent cracking on fiberglass decks, use a countersink bit or a larger drill bit to countersink the mounting holes.

7. Align the deck mounting bracket to the holes in the deck. On fiberglass boats with no carpet where the motor is being installed, install the rubber isolators between the boat deck and the deck mounting bracket. Install three stainless steel mounting bolts through the mounting holes on one side of the deck mounting bracket. Install a washer and a nylock nut onto each bolt, but do not tighten them at this time.
NOTE: If the trolling motor is being mounted to a carpeted boat deck, the rubber isolators are not required.

a - Deck mounting bracket
b - Mounting bolt
c - Rubber isolator
d - Deck
e - Washer
f - Nylock nut
g - Carpet

52406
8. Grab onto the motor column and raise the unbolted side of the deck mounting bracket. Install the bolts through the deck mounting holes while holding the deck mounting bracket at an angle. Holding the deck mounting bracket at an angle allows the bolts to be installed with less interference from the foot release mechanism. Install a washer and a nylock nut onto each bolt.

9. Align the trolling motor with the mounting holes in the deck. Hold the mounting bolts securely with a 7/16 in. wrench while using a wrench or socket to tighten the nylock nuts on both sides of the deck mounting bracket from under the deck.

10. Install the side panels onto the trolling motor, taking care not to damage the locating tabs. Install the side panel screws.
Recommended Practice and Procedures

IMPORTANT: Unplug the trolling motor after each use and when charging the battery.

- Do not use the main engine battery to power the trolling motor. Use a dedicated trolling motor battery or battery bank.
- Ensure that the batteries are enclosed and secured within a battery box to prevent accidental shorting of the battery terminals.
- Route the trolling motor wires on the opposite side of the boat from other boat wiring.
- Connect boat accessories directly to the main engine battery.
- Do not charge the trolling motor batteries while the trolling motor is in the deployed (down) position.

Battery Recommendations

- Use 12-volt, deep cycle marine batteries. The number of batteries required varies according to the model of your trolling motor. Refer to Battery Connection.
- As a general rule, deep cycle batteries with a higher amp-hour rating or reserve capacity rating will provide longer run times and better performance.
- Install a manual reset circuit breaker in line with the trolling motor positive leads within 1.8 m (6 ft) of the batteries. These can be purchased from your local MotorGuide retailer or from www.motorguide.com.
- Do not extend the included 10-gauge battery cables more than 1.8 m (6 ft) for a total of 3 m (10 ft). If longer battery cables are required, MotorGuide offers accessory 8 mm² (8-gauge) battery cables.
- Use nylock nuts to secure the battery cables to their terminals. Using wing nuts to secure the battery cables can cause loose connections.
- Do not power any depth sounders or fish finders from the trolling motor battery. Connecting electronic equipment to the trolling motor batteries can cause electrical interference. Any depth sounders or fish finders must be powered from the engine starting or accessory battery.

<table>
<thead>
<tr>
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<tr>
<td>50-amp manual reset circuit breaker</td>
</tr>
<tr>
<td>60-amp manual reset circuit breaker</td>
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</table>
Battery Precautions

⚠️ WARNING

An operating or charging battery produces gas that can ignite and explode, spraying out sulfuric acid, which can cause severe burns. Ventilate the area around the battery and wear protective equipment when handling or servicing batteries.

When charging batteries, an explosive gas mixture forms in each cell. Part of this gas escapes through holes in the vent plugs and may form an explosive atmosphere around the battery if ventilation is poor. This explosive gas may remain in or around the battery for several hours after it has been charged. Sparks or flames can ignite this gas and cause an internal explosion, which may shatter the battery.

The following precautions should be observed to prevent an explosion:

1. Keep flames away and do not smoke near batteries being charged or which have been charged recently.
2. Do not disconnect the battery cables while the trolling motor is operating, because a spark usually occurs at the point where a live circuit is broken. Always use care to prevent reverse polarization when connecting or disconnecting cable clamps on chargers. Poor connections are a common cause of electrical arcs, which cause explosions.
3. Do not reverse the polarity of battery terminal to cable connections.

Wire Color Code Abbreviations

<table>
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<tr>
<td>BLK</td>
</tr>
<tr>
<td>BLU</td>
</tr>
<tr>
<td>BRN</td>
</tr>
<tr>
<td>GRY or GRA</td>
</tr>
<tr>
<td>GRN</td>
</tr>
<tr>
<td>ORN or ORG</td>
</tr>
<tr>
<td>PNK</td>
</tr>
<tr>
<td>PPL or PUR</td>
</tr>
<tr>
<td>RED</td>
</tr>
<tr>
<td>TAN</td>
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<tr>
<td>WHT</td>
</tr>
<tr>
<td>YEL</td>
</tr>
<tr>
<td>LT or LIT</td>
</tr>
<tr>
<td>DK or DRK</td>
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</tbody>
</table>

Battery Connection

⚠️ WARNING

Before working around electrical system components, disconnect the battery cables from the battery to prevent injury or damage to the electrical system due to an accidental short circuit.
12-VOLT BATTERY CONNECTION

1. Starting with the negative (–) lead, disconnect the battery cables from the engine starting or accessory battery.

2. Install a 50-amp (good) or 60-amp (best) manual reset circuit breaker in line with the trolling motor power cable positive (+) lead and the trolling motor battery positive (+) terminal.

3. Connect the positive (+) trolling motor lead to the positive (+) trolling motor battery terminal.

4. Connect the negative (–) trolling motor lead to the negative (–) trolling motor battery terminal.

5. Connect a common ground bond from the trolling motor battery negative (–) terminal to the engine starting battery negative (–) terminal.
6. Starting with the positive (+) lead, reconnect the battery cables to the engine starting or accessory battery.

![Diagram showing battery connections]

- **a** - Power cables to trolling motor
- **b** - Manual reset circuit breaker
- **c** - Trolling motor battery
- **d** - Engine starting or accessory battery
- **e** - Power cables to engine
- **f** - Common ground bond

### 24-VOLT BATTERY CONNECTION

1. Starting with the negative (–) lead, disconnect the battery cables from the engine starting or accessory battery.

2. Install a 50-amp (good) or 60-amp (best) manual reset circuit breaker in line with the trolling motor power cable positive (+) lead and the trolling motor battery B positive (+) terminal.

3. Connect the positive (+) trolling motor lead to the positive (+) terminal on trolling motor battery B.

4. Connect a jumper wire (reference gray) between the negative (–) terminal on battery B to the positive (+) terminal on battery A.

**IMPORTANT:** The jumper wire should be the same wire gauge as the negative (–) and positive (+) power cables.

5. Connect the trolling motor negative (–) lead to the negative (–) terminal on battery A.
6. Starting with the positive (+) lead, reconnect the battery cables to the engine starting or accessory battery.

24-volt battery connection
- a - Power cables to trolling motor
- b - Manual reset circuit breaker
- c - Jumper wire (not supplied)
- d - Negative (–) battery terminal

36-VOLT BATTERY CONNECTION
1. Starting with the negative (–) lead, disconnect the battery cables from the engine starting or accessory battery.
2. Install a 50-amp (good) or 60-amp (best) manual reset circuit breaker in line with the trolling motor power cable positive (+) lead and the trolling motor battery C positive (+) terminal.
3. Connect the positive (+) trolling motor lead to the positive (+) terminal on trolling motor battery C.
4. Connect a jumper wire (reference gray) between the negative (–) terminal on battery C to the positive (+) terminal on battery B.

IMPORTANT: The jumper wire should be the same wire gauge as the negative (–) and positive (+) power cables.
5. Connect a jumper wire (reference gray) between the negative (–) terminal on battery B to the positive (+) terminal on battery A.
6. Connect the trolling motor negative (–) lead to the negative (–) terminal on battery A.
7. Starting with the positive (+) lead, reconnect the battery cables to the engine starting or accessory battery.

36-volt battery connection
- a - Power cables to trolling motor
- b - Manual reset circuit breaker
- c - Jumper wire (not supplied)
- d - Negative (–) battery terminal

Wire and Cable Routing
- Route the trolling motor wires on the opposite side of the boat from other boat wiring.
- The trolling motor should be connected to its own dedicated battery.
- Sensitive electronics, such as depth finders, should be connected to a separate battery.
- Marine engines should have their own dedicated starting battery.
- All batteries should have a common ground.

Activating the Wireless Foot Pedal
IMPORTANT: To activate multiple foot pedals or remotes, the motor must be unplugged from the power source and then plugged back into the power source between activating each control device.
1. Install the batteries into the wireless foot pedal. Refer to Foot Pedal Battery Replacement.

2. Ensure that the trolling motor is in the deployed position.

3. Connect the power cables to the battery, or plug in the power cable to a battery source. Within ten seconds of connecting the power cables, press and hold the propeller and anchor buttons on the wireless foot pedal simultaneously.

4. Listen for a multitone beep, indicating that the foot pedal has synced with the trolling motor.

5. To turn the pedal on or off, press and hold the anchor button. One beep from the foot pedal indicates that the foot pedal is turned on, two beeps indicate that the foot pedal is turned off.

   **NOTE:** Three beeps from the foot pedal indicate that the batteries should be replaced.

   **NOTE:** Installing the batteries automatically turns the foot pedal on.

   **NOTE:** Removing the batteries does not change the on/off status.

   Each wireless foot pedal and wireless handheld remote must be synced individually to the trolling motor receiver. The trolling motor receiver can sync up to 40 wireless controllers. This ensures that the trolling motor will respond to commands only from designated controllers. For programming information, refer to Reprogramming the Wireless Foot Pedal or Remote.

Turning the Foot Pedal On or Off

To turn the pedal on or off, press and hold the anchor button. One short beep from the foot pedal indicates that the foot pedal is turned on; two short beeps indicate that the foot pedal is turned off.

Activating the Handheld Remote

1. If the trolling motor power cables are connected, disconnect the power cables from the trolling motor battery, starting with the negative (−) lead.
2. Deploy the motor, then connect the power cables to the battery or plug in the power cable to a battery source. Within ten seconds of connecting the power cables, press and hold the **left** and **right arrow** buttons on the handheld remote simultaneously.

3. Listen for a multitone beep, which indicates that the receiver has stored the electronic serial number.

There are five buttons labeled as follows:

- **a** - + button—increase speed
- **b** - **Propeller** button—propeller on/off
- **c** - **Right arrow** button—steer right
- **d** - – button—decrease speed
- **e** - **Left arrow** button—steer left

If you are having trouble syncing your remote, start with the motor unplugged and deployed. Hold down the **left arrow** and **right arrow** buttons at the same time before you plug in the motor.

**Connecting the Sonar Display to the Trolling Motor**

*NOTE: This procedure applies only to models equipped with integrated sonar.*

This sonar display connection procedure applies to trolling motor models with internal sonar that offer built-in 200/83 kHz sonar transducers compatible with Eagle®, Garmin™, Humminbird™, Lowrance™, and Vexilar® brand sonar displays. For compatibility with other sonar units, refer to www.motorguide.com.
The trolling motor is equipped with a Lowrance 7-pin plug. Adapters are available to connect other brands of sonar displays to the trolling motor. Match the cable connector to the sonar port on the back of the sonar display. Power up the unit to ensure that the sonar cable is connected securely.

**Transducer Adapter Cables Available from MotorGuide**

<table>
<thead>
<tr>
<th>Cable Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lowrance 7-to-6-pin adapter</td>
</tr>
<tr>
<td>Vexilar 3-pin adapter</td>
</tr>
<tr>
<td>Garmin 6-pin adapter</td>
</tr>
<tr>
<td>Humminbird 7-pin adapter</td>
</tr>
</tbody>
</table>

**Reducing Sonar Transducer Interference**

Sonar transducers can be affected by interference, such as radio frequency interference (RFI) and electromagnetic interference (EMI). This interference can cause undesired operation of the sonar display. Refer to the following list to reduce sonar interference sources.

1. Lower the sonar sensitivity, also known as gain. Refer to the documents included with your sonar display.
   a. Change the sensitivity to an automatic setting.
   b. If the automatic setting does not reduce sonar interference, manually change the sensitivity to 55–65% of the maximum setting.

2. Verify that the transducer cable is not routed near any power cables.

3. Ensure that the positive (+) and negative (–) power cables are installed next to each other. This helps cancel any EMI.

4. Inspect the transducer cable for damage, nicks, or cuts. Replace the transducer cable if it is damaged.

5. Connect the sonar display to a separate accessory battery with only the sonar display connected. This will verify if the interference is coming from the power cables or the transducer cable.
PRODUCT INSTALLATION, WIRING, AND BATTERY INFORMATION

a. If the interference stops when the sonar display is connected to a separate accessory battery, inspect the boat wiring. Most likely, there is a problem with the ground (–) connection. All devices should have a common ground.

b. If the interference continues, it is likely coming from the transducer or transducer cable.

6. Install a radio frequency (RF) choke onto the sonar display power cable.

7. Connect the sonar display to a different transducer.
**TROLLING MOTOR OPERATION**

**Status Indicator Light Identification**

This trolling motor is equipped with a multifunction status indicator light panel. It can display the on/off status of the motor, propeller, battery charge, and GPS status for quick and easy reference during operation.

- **a** - Power on/off indicator light
- **b** - Propeller on/off indicator light
- **c** - GPS navigation indicator light
- **d** - Battery status light

**Stowing and Deploying the Trolling Motor**

<table>
<thead>
<tr>
<th><strong>WARNING</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotating propellers can cause serious injury or death. Never start or operate the motor out of water.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>CAUTION</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Moving parts, such as hinges and pivot points, can cause serious injury. Keep away from moving parts when stowing, deploying, or tilting the motor.</td>
</tr>
</tbody>
</table>
STOWING THE TROLLING MOTOR
1. Press down on the foot release lever with one hand or one foot. Pull and tilt the trolling motor towards the mount.

a - Foot release lever
2. Raise the motor out of the water and rotate the column so the lower unit is aligned with the mount cradle. Orient the lower unit so the cable does not wrap around the trolling motor column. Slide the lower unit into the mount cradle and release the foot release lever. The mount will lock the trolling motor in the stowed position.

3. Slide the depth collar tightly against the steering transmission. Rotate the depth collar until it engages the steering transmission, then tighten the depth collar knob.

**NOTE:** Optional mounts are available for supporting the trolling motor in extremely rough boating conditions.
Recommended MotorGuide Accessory Description

<table>
<thead>
<tr>
<th>Standard Ram® mount stabilizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Ram® mount stabilizer</td>
</tr>
</tbody>
</table>

DEPLOYING THE TROLLING MOTOR

1. Loosen the depth collar knob, then slide the depth collar away from the steering transmission. Tighten the depth collar knob.

2. Press down on the foot release lever with one hand or one foot. Firmly grasp the column and slide the lower unit away from the mount cradle.

![Diagram with labels a-f]

- **a** - Lower unit (motor)
- **b** - Depth collar
- **c** - Column
- **d** - Curly cable
- **e** - Foot release lever
- **f** - Mount cradle
3. Tilt the motor out of the stowed position and lower the trolling motor until the depth collar rests on top of the steering housing collar. Rotate the trolling motor so the depth collar locks into position on the steering housing collar and release the foot release lever. The motor will lock into the deployed position. Pull back on the motor to ensure that it is securely locked into the deployed position.

a - Depth collar knob

Adjusting the Motor Depth

⚠️ CAUTION

Avoid injury due to the sudden shifting of weight when deploying the motor or adjusting the motor depth. When raising or lowering the motor, firmly grasp the motor column with one hand before loosening the depth collar knob.

Adjust the depth of the motor to improve the trolling motor performance in various water depths.

IMPORTANT: When adjusting the motor depth, ensure that the lower unit is fully submerged a minimum of 30 cm (12 in.) to avoid propeller cavitation. Optimal depth of the lower unit will vary depending on the boat type, water conditions, and the underwater terrain. If you hear the propeller blades splashing against the water surface, lower the motor depth.
TROLLING MOTOR OPERATION

1. Firmly grasp the column with one hand while loosening the depth collar knob so the column moves freely.

   ![Diagram of column with labels]

   a - Depth collar knob  
   b - Depth collar

2. Raise or lower the column to the desired depth. Tighten the depth collar knob to secure the column.

Foot Pedal Operation

⚠️ WARNING

Rotating propellers can cause serious injury or death. Never start or operate the motor out of water.

⚠️ WARNING

Avoid possible serious injury from unexpected acceleration and boat movement when activating the trolling motor. When using the foot-pedal, the motor will start up at the last selected speed and course settings. Before pressing the foot-pedal, hold on to a seat or handhold, and advise passengers to do the same.
TROLLING MOTOR OPERATION

To operate the trolling motor using the foot pedal, sync the foot pedal to the trolling motor receiver. Refer to **Activating the Wireless Foot Pedal** in the **Product Installation, Wiring, and Battery Information** section of this manual.

a - Toe-down position—right turn
b - Propeller momentary on/off
c - Propeller constant on/off
d - Heel-down position—left turn
e - Anchor button—models with GPS installed; also foot pedal on/off
f - Speed control dial

turning the foot pedal on or off
Press and hold the anchor button. One short beep from the foot pedal indicates that the foot pedal is turned on; two short beeps indicate that the foot pedal is turned off.

DIRECTION CONTROL
Pivot the foot pedal toe-down to steer right, or heel-down to steer left. To stop turning, allow the pedal to return to its center detent position without pressing down on the heel or toe of the pedal. To operate the motor in reverse, continue to press the foot pedal down in either direction until the head is pointing to the desired direction of travel. The available steering range will allow the operator to steer the trolling motor past 360° in either direction.
IMPORTANT: Steering the trolling motor beyond 360° can cause damage to
the trolling motor and cables.

a - Toe-down position—right turn
b - Center detent position—steering off
c - Heel-down position—left turn

SPEED CONTROL

⚠️ WARNING
Avoid possible serious injury from unexpected acceleration and boat
movement when activating the trolling motor. When using the foot-pedal, the
motor will start up at the last selected speed and course settings. Before
pressing the foot-pedal, hold on to a seat or handhold, and advise
passengers to do the same.
TROLLING MOTOR OPERATION

Control the speed of the trolling motor by adjusting the speed control dial on the foot pedal. Rotate the dial forward to increase motor speed, and rotate it backward to reduce speed. Press and hold the momentary button to operate the motor at the selected speed. Release the momentary button to stop the motor. Press the propeller constant on/off button once to run the motor at the selected speed. The trolling motor will emit a single ascending-tone beep when propeller constant is turned on and a single descending-tone beep when propeller constant is turned off. Press the button again to turn the motor off. The motor speed can be adjusted while the motor is running.

![Diagram of trolling motor controls with labels: a - Speed control dial—rotate forward to increase speed, b - Momentary button, c - Propeller constant on/off button]
**Handheld Remote Operation**

<table>
<thead>
<tr>
<th>WARNING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotating propellers can cause serious injury or death. Never start or operate the motor out of water.</td>
</tr>
</tbody>
</table>

To operate the trolling motor using the handheld remote, sync the foot pedal to the trolling motor receiver. Refer to Activating the Handheld Remote in the Product Installation, Wiring, and Battery Information section of this manual.

---

**TURNING THE HANDHELD REMOTE ON OR OFF**

The handheld remote is always on, and is ready for use anytime that the trolling motor is powered up and in the deployed position.

**STEERING**
- To turn left, press the **left turn** button on the handheld remote.
- To turn right, press the **right turn** button on the handheld remote.
- The available steering range allows the trolling motor to turn beyond 360° for operation in reverse.

**SPEED CONTROL**
- Press the **propeller on/off** button once to start the propeller, and press the **propeller on/off** button again to stop the propeller.
TROLLING MOTOR OPERATION

• The system is equipped with 20 speed levels. Press and release the increase speed (+) button to increase motor speed by one level. Press and release the decrease speed (–) button to reduce motor speed by one level.

• Holding the increase speed (+) or decrease speed (–) will cause the speed level to increase or decrease until the speed level limit is reached. Holding the increase speed (+) or decrease speed (–) button for 2.5 seconds will ramp up the speed level from 0% to 100%, or decrease from 100% to 0%, respectively. The trolling motor will emit two beeps when it reaches the 100% or 0% speed level.

• The trolling motor will emit a single ascending-tone beep when the propeller is turned on and a single descending-tone beep when the propeller is turned off.
Trolling Motor Care

To keep your trolling motor in the best operating condition and retain its dependability, your trolling motor must receive periodic inspections and maintenance. Keep it maintained properly to ensure the safety of you and your passengers.

**WARNING**

Neglecting to inspect, maintain, or repair your trolling motor can result in product damage or serious injury or death. Do not perform maintenance or service on your trolling motor if you are not familiar with the correct service and safety procedures.

Record all maintenance performed and save maintenance work orders and receipts.

**SELECTING REPLACEMENT PARTS**

Use only original MotorGuide replacement parts.

**Inspection and Maintenance Schedule**

**BEFORE EACH USE**

- Inspect for loose or corroded wiring connections.
- Check the tightness of the battery cable connections. Nylock nuts are recommended for securing the battery cables to their terminals.
- Check the tightness of the propeller nut.
- Check the propeller blades for damage.
- Check the tightness of the mount to the deck of the boat.

**AFTER EACH USE**

- Disconnect the battery cables from the power source or unplug the motor from the boat.
- Check each side of the propeller and propeller shaft for debris such as weeds and fishing line. Remove all debris.
- Check the tightness of the propeller nut.
- Wash the trolling motor with clean water and a mild soap such as Attwood® Premium Boat Wash to remove dirt and dust that may scratch the surface.

**IMPORTANT:** Do not use harsh cleaners such as bleach or citrus cleaners to clean the trolling motor. These cleaners can damage the finish on the trolling motor.

**IMPORTANT:** Do not power wash the trolling motor.

**EVERY 100 HOURS OF USE OR ANNUALLY (WHICHEVER OCCURS FIRST)**

1. Apply 2-4-C with PTFE to the depth collar knob screw threads.
NOTE: 2-4-C with PTFE is a marine grease available at marine supply stores and your MotorGuide dealer.

<table>
<thead>
<tr>
<th>Description</th>
<th>Where Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-4-C with PTFE</td>
<td>Depth collar knob screw threads</td>
</tr>
</tbody>
</table>

2. Remove the side panels by removing the two screws on each side of the mount. Gently pull the cover away from the mount and towards the foot release lever.

3. Apply 2-4-C with PTFE to the slot on the foot release lever linkage on both sides of the deck mount. Press the foot release lever and apply more 2-4-C with PTFE to the slot, equally distributing the grease along the length of the slot.

4. Apply 2-4-C with PTFE to the front and rear hooks on both sides of the deck mount.
### MAINTENANCE AND STORAGE

<table>
<thead>
<tr>
<th>Description</th>
<th>Where Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-4-C with PTFE</td>
<td>Slot on the foot release lever linkage, and front and rear hooks on both sides of the deck mount</td>
</tr>
</tbody>
</table>

Lubricate the slots and hooks on both sides of the deck mount
- a - Slot
- b - Front hook
- c - Rear hook

**IMPORTANT:** Never use an aerosol lubricant or solvent-based lubricant to grease or oil any part of the trolling motor. Many aerosol lubricants contain harmful propellants that can cause damage to various parts of the trolling motor.

5. Install the side panels onto the deck mount and tighten the screws.
6. Check the tightness of the mounting screws, nuts, and other fasteners.
7. Inspect the battery. Refer to **Battery Inspection**.

### Storage Preparation

The major consideration in preparing your trolling motor for storage is to protect it from corrosion and damage caused by freezing of trapped water. It is also recommended that batteries are disconnected prior to storage and that the batteries are stored indoors in a dry location during long-term storage. The batteries should also be removed from the handheld remote and wireless foot pedal for long-term storage.

Refer to the **Inspection and Maintenance Schedule** and complete the appropriate care instructions to prepare your trolling motor for storage. Store the trolling motor in a dry location where it will not be affected by temperatures below –29 °C (–20 °F).
IMPORTANT: Trolling motors stored in temperatures below 0 °C (32 °F) should be operated slowly for a minimum of 15 minutes before going above 30% throttle.

Battery Inspection
The battery should be inspected at periodic intervals to ensure proper trolling motor operation.

IMPORTANT: Read the safety and maintenance instructions that accompany your battery.

1. Ensure that the battery is secured to the vessel.
2. Ensure that the battery cable terminals are clean, tight, and correctly installed. For installation instructions, refer to Battery Connection in the Product Installation, Wiring, and Battery Information section of this manual.
3. Ensure that the battery is equipped with a battery box to prevent accidental shorting of the battery terminals.

Corrosion Control Anode (Saltwater Models)
The anode helps protect the trolling motor against galvanic corrosion by sacrificing its metal to be slowly eroded instead of the trolling motor metal components. The anode requires periodic inspection, especially in saltwater which will accelerate the erosion. To maintain this corrosion protection, replace the anode if it is more than 50% eroded. Never paint or apply a protective coating to the anode as this will reduce effectiveness of the anode.

IMPORTANT: Do not paint the anode or clean it with steel wool, sandpaper, wire brushes, or other abrasive materials. Replace the anode if it is more than 50% eroded.
Propeller Replacement

**WARNING**
Performing service or maintenance without first disconnecting the battery can cause product damage, personal injury, or death due to fire, explosion, electrical shock, or unexpected motor starting. Always disconnect the battery cables from the battery before maintaining, servicing, installing, or removing motor components.

REMOVING THE PROPELLER
1. Disconnect the power cables from the battery.
2. While holding the propeller blade with one gloved hand, use a 9/16 in. wrench or a ratchet to remove the propeller nut. Remove the propeller nut and washer (or anode, for saltwater models).

**IMPORTANT:** Remove the propeller nut with a wrench or a ratchet and socket. Using another tool may damage the propeller nut or shaft. If the propeller cannot be removed easily, use a rubber mallet to lightly tap the back side of the opposite blade. If the propeller cannot be removed, have the propeller removed by an authorized dealer.

**NOTE:** Replace the propeller pin if it is bent.
MAINTENANCE AND STORAGE

INSTALLING THE PROPELLER

1. Rotate the motor shaft to insert the propeller pin horizontally.

2. Install the propeller onto the motor shaft by engaging the propeller onto the propeller pin.

3. Install the washer (and anode, for saltwater models) onto the propeller shaft, then install the propeller nut. Use a wrench or a socket and ratchet to tighten the propeller nut until it is snug, then tighten the nut another 1/4 turn.

IMPORTANT: Do not overtighten the propeller nut, or damage to the propeller or propeller pin may occur.
# Troubleshooting

**NOTE:** For service information, contact any certified MotorGuide service center. For a full listing of MotorGuide service centers, go to [www.motorguide.com](http://www.motorguide.com) or contact any Mercury Marine service office.

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Possible Cause</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trolling motor does not respond to wireless commands</td>
<td>Weak trolling motor batteries</td>
<td>Check the battery charge indicator on the trolling motor. Recharge or replace batteries as required.</td>
</tr>
<tr>
<td></td>
<td>Weak handheld remote battery or weak foot pedal battery</td>
<td>Replace the handheld remote battery or foot pedal batteries.</td>
</tr>
<tr>
<td></td>
<td>Wireless controllers not synced</td>
<td>Refer to <a href="#">Activating the Wireless Foot Pedal</a> or <a href="#">Activating the Handheld Remote</a>.</td>
</tr>
<tr>
<td>Loss of power</td>
<td>Weak trolling motor batteries</td>
<td>Check the battery charge indicator on the trolling motor. Recharge or replace the batteries as required.</td>
</tr>
<tr>
<td></td>
<td>Loose or corroded battery connections</td>
<td>Inspect battery connections for cleanliness and tightness.</td>
</tr>
<tr>
<td></td>
<td>Propeller is loose, damaged, or off-balance</td>
<td>Refer to <a href="#">Propeller Replacement</a>.</td>
</tr>
<tr>
<td></td>
<td>Wiring or electrical connection faulty</td>
<td>Wire gauge from the battery to the trolling motor is insufficient. 6-gauge wire is recommended.</td>
</tr>
<tr>
<td></td>
<td>Magnets cracked or chipped</td>
<td>The motor will whine or grind. Contact a Service Center.</td>
</tr>
<tr>
<td></td>
<td>Water intrusion in the lower unit</td>
<td>Contact a Service Center.</td>
</tr>
<tr>
<td>Symptom</td>
<td>Possible Cause</td>
<td>Resolution</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>-----------------------------------------------------</td>
<td>-------------------------------------------------</td>
</tr>
<tr>
<td>Excessive noise or vibration</td>
<td>Propeller is loose, damaged, or off-balance</td>
<td>Refer to <strong>Propeller Replacement</strong>.</td>
</tr>
<tr>
<td></td>
<td>Damaged bearings or bushings</td>
<td>Contact a Service Center.</td>
</tr>
<tr>
<td></td>
<td>Magnets interfering with armature</td>
<td>Turn off the power and manually rotate the propeller. If the propeller does not rotate freely with a slight magnetic drag, contact a Service Center.</td>
</tr>
<tr>
<td></td>
<td>Magnets cracked or chipped</td>
<td>The motor will whine or grind. Contact a Service Center.</td>
</tr>
<tr>
<td>Motor failure (motor runs at partial speed)</td>
<td>Loose electrical connections</td>
<td>Connections in the head may be loose or damaged. Contact a Service Center.</td>
</tr>
<tr>
<td></td>
<td>Motor has reached thermal limit</td>
<td>Temperature exceeds specification. Contact a Service Center.</td>
</tr>
<tr>
<td></td>
<td>Propeller is loose, damaged, or off-balance</td>
<td>Refer to <strong>Propeller Replacement</strong>.</td>
</tr>
<tr>
<td>Trolling motor flashes the propeller LED and battery LED while emitting a siren noise</td>
<td>Internal electronics fault</td>
<td>Disconnect battery power. Contact a Service Center.</td>
</tr>
<tr>
<td>Symptom</td>
<td>Possible Cause</td>
<td>Resolution</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Weak trolling motor batteries</td>
<td>Check the battery charge indicator on the trolling motor. Recharge or replace the battery as required.</td>
<td></td>
</tr>
<tr>
<td>Batteries in the foot pedal or handheld remote need replacement</td>
<td>Refer to <strong>Troubleshooting the Foot Pedal and Handheld Remote.</strong></td>
<td></td>
</tr>
<tr>
<td>Loose or corroded battery connections</td>
<td>Inspect battery connections for cleanliness and tightness.</td>
<td></td>
</tr>
<tr>
<td>Wiring or electrical connection faulty</td>
<td>Wire gauge from the battery to the trolling motor is insufficient. 6-gauge wire is recommended.</td>
<td></td>
</tr>
<tr>
<td>Loose electrical connections</td>
<td>Inspect connections for cleanliness and tightness.</td>
<td></td>
</tr>
<tr>
<td>Thermal protection is overloaded</td>
<td>Disconnect the trolling motor batteries and check for weeds or debris around the propeller.</td>
<td></td>
</tr>
<tr>
<td>Temperature exceeds specification. Contact a Service Center.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuse or circuit breaker is open</td>
<td>Replace the fuse or reset the circuit breaker only after determining the root cause of the problem.</td>
<td></td>
</tr>
<tr>
<td>Magnets interfering with armature</td>
<td>Turn off the power and manually rotate the propeller. If the propeller does not rotate freely with a slight magnetic drag, contact a Service Center.</td>
<td></td>
</tr>
<tr>
<td>Boat wiring faulty</td>
<td>Contact a Service Center.</td>
<td></td>
</tr>
<tr>
<td>Lower unit not fully submerged</td>
<td>Adjust the depth of the motor. Ensure the lower unit is fully submerged. Refer to <strong>Adjusting the Motor Depth.</strong></td>
<td></td>
</tr>
<tr>
<td>Damaged nose cone</td>
<td>Contact a Service Center.</td>
<td></td>
</tr>
<tr>
<td>Damaged sonar cable</td>
<td>Contact a Service Center.</td>
<td></td>
</tr>
<tr>
<td>Motor is difficult to deploy or return to stowed position</td>
<td>Lubricate the latch mechanism. Refer to <strong>Inspection and Maintenance Schedule.</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Motor failure (motor does not run)**

**Inaccurate temperature reading (models with internal sonar)**

**Motor is difficult to deploy or return to stowed position**
### Symptom | Possible Cause | Resolution
---|---|---
Difficulty removing propeller | Bent propeller pin | Hold one blade and lightly tap the opposite blade with a rubber mallet. Use a putty knife on both sides of the propeller to apply equal pressure.
Bent armature shaft | | Contact a Service Center.

**Troubleshooting the Foot Pedal and Handheld Remote**

#### ERASING THE RECEIVER'S MEMORY

Erasing the receiver's memory will erase all electronic ID numbers that are stored in the receiver's memory.

1. Plug in the battery cable to a power source. In less than ten seconds, press the **left**, **propeller**, and **right** buttons on the handheld remote simultaneously.

2. Listen for a long beep indicating the receiver has erased all stored electronic ID numbers.

*NOTE: If the buttons on the remote are not pressed simultaneously within ten seconds, or a long beep is not heard, unplug the battery cables from the power source and then refer to **Activating the Wireless Foot Pedal and Activating the Handheld Remote** in the **Product Installation, Wiring, and Battery Information** section of this manual.*

#### REPROGRAMMING THE WIRELESS FOOT PEDAL OR REMOTE

*NOTE: This activation procedure applies to the foot pedal and handheld remote.*

**IMPORTANT:** To activate multiple foot pedals or remotes, the motor must be unplugged from the power source and then plugged back into the power source between activating each control device.

1. Deploy the trolling motor.
2. Unplug the battery cables from the power source. Wait 30 seconds and then reconnect the motor to the power source.
3. In less than ten seconds, press and hold the **left arrow** and **right arrow** buttons simultaneously on the handheld remote. For the foot pedal controller, hold the **propeller** and **anchor** button simultaneously.

#### FOOT PEDAL BATTERY REPLACEMENT

Battery required: Two AA alkaline batteries
1. Remove the two screws securing the battery cover plate. Remove the battery cover plate.

   ![Diagram of battery cover plate and screws]

   - a - Battery cover plate
   - b - Screws

2. Remove the batteries from the battery holder.

   **NOTE:** *Battery removal does not change the on/off status of the foot pedal.*

3. Install the new batteries in the proper orientation for correct polarity.

   **NOTE:** *The foot pedal will automatically turn on when the batteries are installed.*
4. Ensure the rubber seal is positioned correctly around the battery cover plate.

   a - AA alkaline batteries
   b - Rubber seal

5. Replace the battery cover plate and install the two screws. Tighten the screws securely.

   a - Battery cover plate
   b - Screws

HANDHELD REMOTE BATTERY REPLACEMENT
Battery required: One AAA alkaline battery
1. Remove the four screws from the back of the handheld remote. Remove the back cover.

2. Remove the old battery from the battery holder.

3. Insert the new battery with the positive (+) side facing the positive (+) end of the battery holder.
4. Replace the handheld remote back cover and install the four screws. Ensure that the rubber seal is positioned correctly between the two halves of the handheld remote. Carefully tighten the screws.

- Negative (–) end of battery holder
- Battery
- Positive (+) end of battery holder
- Rubber seal

Reducing Sonar Transducer Interference
Sonar transducers can be affected by interference, such as radio frequency interference (RFI) and electromagnetic interference (EMI). This interference can cause undesired operation of the sonar display. Refer to the following list to reduce sonar interference sources.

1. Lower the sonar sensitivity, also known as gain. Refer to the documents included with your sonar display.
   - a. Change the sensitivity to an automatic setting.
   - b. If the automatic setting does not reduce sonar interference, manually change the sensitivity to 55–65% of the maximum setting.

2. Verify that the transducer cable is not routed near any power cables.

3. Ensure that the positive (+) and negative (–) power cables are installed next to each other. This helps cancel any EMI.

4. Inspect the transducer cable for damage, nicks, or cuts. Replace the transducer cable if it is damaged.

5. Connect the sonar display to a separate accessory battery with only the sonar display connected. This will verify if the interference is coming from the power cables or the transducer cable.
   - a. If the interference stops when the sonar display is connected to a separate accessory battery, inspect the boat wiring. Most likely, there is a problem with the ground (–) connection. All devices should have a common ground.
   - b. If the interference continues, it is likely coming from the transducer or transducer cable.

6. Install a radio frequency (RF) choke onto the sonar display power cable.
7. Connect the sonar display to a different transducer.

Service Assistance
Your satisfaction with your product is very important to us. If you have a problem or question about your motor, contact your dealer or any certified MotorGuide Service Center. For more service assistance information, refer to Warranty Information.

The following information will be needed by the service office:
• Your name and address
• Daytime telephone number
• Model and serial number of your trolling motor
• Proof of purchase or registration verification
• Nature of problem

Mercury Marine Service Offices
For assistance, call, fax, or write. Please include your daytime telephone number with mail and fax correspondence.

<table>
<thead>
<tr>
<th>United States, Canada</th>
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<tbody>
<tr>
<td>Telephone</td>
<td>English +1 920 929 5040</td>
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<td>Français + 905 636 4751</td>
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<tr>
<td>Website</td>
<td><a href="http://www.mercurymarine.com">www.mercurymarine.com</a></td>
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<tbody>
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<th>Europe, Middle East, Africa</th>
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<td>Fax</td>
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<th>Mexico, Central America, South America, Caribbean</th>
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<tr>
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OWNER SERVICE ASSISTANCE