



PROBOAT™  
ProBoatModels.com

# *Miss* GEICO 17

Owners Manual • Bedienungsanleitung  
Manuel de l'utilisateur • Manuale dell'utente

PRB08019  
PRB08019i  
PRB08019AU



## NOTICE

All instructions, warranties and other collateral documents are subject to change at the sole discretion of Horizon Hobby, LLC. For up-to-date product literature, visit <http://www.horizonhobby.com> and click on the support tab for this product.

## MEANING OF SPECIAL LANGUAGE

The following terms are used throughout the product literature to indicate various levels of potential harm when operating this product:

**WARNING:** Procedures, which if not properly followed, create the probability of property damage, collateral damage, and serious injury OR create a high probability of superficial injury.

**CAUTION:** Procedures, which if not properly followed, create the probability of physical property damage AND a possibility of serious injury.

**NOTICE:** Procedures, which if not properly followed, create a possibility of physical property damage AND little or no possibility of injury.



**WARNING:** Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury.

This is a sophisticated hobby product and NOT a toy. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not use with incompatible components or alter this product in any way outside of the instructions provided by Horizon Hobby, LLC. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

**Age Recommendation: Not for children under 14 years. This is not a toy.**

## Safety Precautions and Warnings

As the user of this product, you are solely responsible for operating in a manner that does not endanger yourself and others or result in damage to the product or the property of others.

- When handling and/or transporting your boat, always pick up the boat from the front, keeping all moving parts pointed away from you.
- Always keep a safe distance in all directions around your model to avoid collisions or injury. This model is controlled by a radio signal subject to interference from many sources outside your control. Interference can cause momentary loss of control.
- Always operate your model in open spaces away from full-size vehicles, traffic and people.
- Always carefully follow the directions and warnings for this and any optional support equipment (chargers, rechargeable battery packs, etc.).
- Always keep all chemicals, small parts and anything electrical out of the reach of children.
- Always avoid water exposure to all equipment not specifically designed and protected for this purpose. Moisture causes damage to unprotected electronics.
- Never place any portion of the model in your mouth as it could cause serious injury or even death.
- Never operate your model with low transmitter batteries.

## Water-Resistant Boat with Waterproof Electronics

Your new Horizon Hobby boat has been designed and built with a combination of waterproof and water-resistant components to allow you to operate the product in calm, fresh water conditions.

While the entire boat is highly water-resistant, it is not completely waterproof and your boat should NOT be treated like a submarine. The various electronic components used in the boat, such as the servo(s) and receiver are waterproof, however, most of the mechanical components are water-resistant and require additional maintenance after use.

Metal parts, including the bearings, pins, screws and nuts, propeller, rudder, rudder mounts, prop struts, as well as the contacts in the electrical cables, will be susceptible to corrosion if additional maintenance is not performed after running in wet conditions. To maximize the long-term performance of your boat and to keep the warranty intact, the procedures described in the **Wet Conditions Maintenance** section must be performed regularly.



**CAUTION:** Failure to exercise caution while using this product and complying with the following precautions could result in product malfunction and/or void the warranty.

## General Precautions

- Read the **WET CONDITIONS MAINTENANCE** procedures and make sure that you have all the tools you will need to properly maintain your boat.
- Not all batteries can be used in wet conditions. Consult the battery manufacturer before use. Caution should be taken when using Li-Po batteries in wet conditions.
- Most transmitters are not water-resistant. Consult your transmitter's manual or the manufacturer before operation.
- Never operate your transmitter or boat when lightning is present.
- Salt water is very conductive and highly corrosive. If you choose to run your boat in salt water, immediately rinse the boat in fresh water after each use. Operating your boat in salt water is at the sole discretion of the modeler.

## Wet Conditions Maintenance

- Drain any water that has collected in the hull by removing the canopy and tilting the boat in the appropriate direction to drain the water.



**CAUTION:** Always keep hands, fingers, tools and any loose or hanging objects away from rotating parts.

- Remove the battery pack(s) and dry the contacts. If you have an air compressor or a can of compressed air, blow out any water that may be inside the recessed connector housings.
- Remove all moving parts. Dry and lubricate parts after every 30 minutes of operation or if the boat becomes submerged.

**NOTICE:** Never use a pressure washer to clean your boat.

- Use an air compressor or a can of compressed air to dry the boat and help remove any water that may have gotten into small crevices or corners.
- Spray the bearings, fasteners and other metal parts with a water-displacing light oil or lubricant.
- Let the boat air dry before you store it. Water (and oil) may continue to drip for a few hours.

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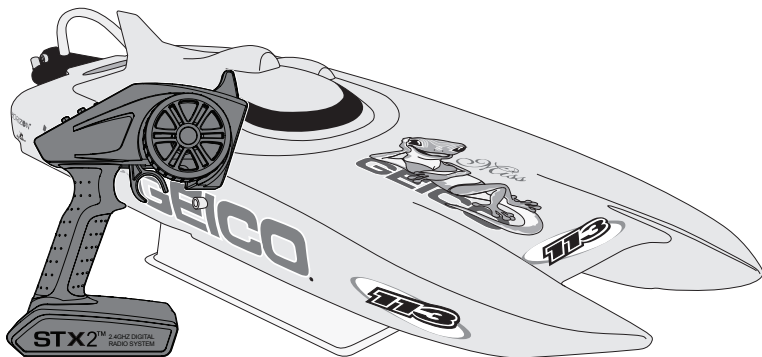
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## Product Inspection

Carefully remove the boat and radio transmitter from the box. Inspect the boat for damage. If your product is damaged, please contact the hobby shop where you purchased your boat, or contact Product Support. Refer to the Warranty and Service Contact Information section for more info.

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## Contents



### Recommended Tools and Materials

- Needle nose pliers
- Paper towel
- Rubbing alcohol
- Temporary threadlock
- Nut driver: 5.5mm
- Phillips screwdriver: #1
- Hex wrench: 2.5mm
- Clear tape (DYNAM0102)
- Pro Boat® Marine Grease and Gun (PRB0100)

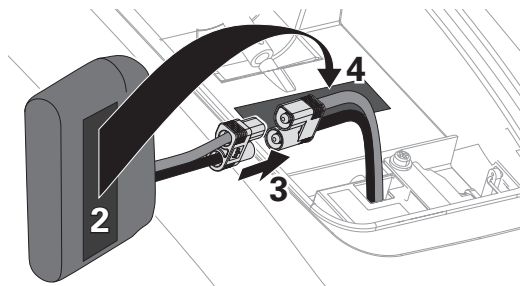
## Specifications

<b>Length</b>	17 in (430mm)	<b>Hull Material</b>	ABS Plastic
<b>Beam</b>	6.125 in (156mm)	<b>Motor</b>	380 Water-Cooled Brushed Motor
<b>Transmitter</b>	STX2 2 CH 2.4 GHz FHSS	<b>Charger</b>	100mA Wall Charger with EC3 (DYNC1009)
<b>Receiver/ESC</b>	2-in-1 Receiver	<b>Battery</b>	6-cell 1200mAh Ni-MH battery (DYN1472)

4 AA batteries (sold separately) are required to operate the transmitter.

## Boat Battery Pack Installation

1. Lift the back of the canopy lid off the magnet and pull it back and away from the hull to remove.
2. Adhere loop tape (included) to the battery. Do not cover the battery warning label.
3. Connect the battery.
4. Secure the boat battery on the hook strip in the boat.
5. Refer to Getting Started instructions about powering on your boat.

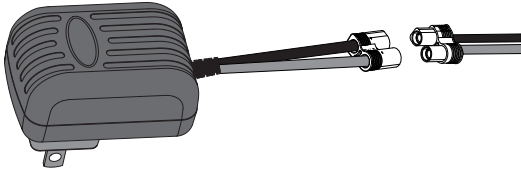


## Charging Warnings

**⚠ WARNING:** Failure to exercise caution while using this product and comply with the following warnings could result in product malfunction, electrical issues, excessive heat, FIRE, and ultimately injury and property damage.

- **NEVER LEAVE THE BATTERY AND CHARGER UNATTENDED DURING USE.**
- **NEVER CHARGE BATTERIES OVERNIGHT.**
- Read all safety precautions and literature prior to use of this product.
- Never allow children under 14 years of age to charge battery packs.
- Never attempt to charge damaged batteries.
- Never charge a battery if the cable has been pinched or shorted.
- Never allow the batteries or charger to come into contact with moisture at any time.
- Never charge batteries in extremely hot or cold places (recommended between 50–80°F [10–26°C]) or in direct sunlight.
- Always use only Ni-MH rechargeable batteries. This charger cannot charge batteries such as “heavy duty,” “alkaline,” “mercury” or “lithium” batteries.
- Always connect to the charger correctly.
- Always disconnect the battery and charger after charging and let them cool between charges.
- Always inspect the battery before charging.
- Always terminate all processes and contact Horizon Hobby if the product malfunctions.
- Always make sure you know the specifications of the battery to be charged or discharged to ensure it meets the requirements of this charger.
- Always connect the charge cable to the charger first, then connect the battery to avoid short circuit between the charge leads. Reverse the sequence when disconnecting.
- Always constantly monitor the temperature of the battery pack while charging.
- Always end the charging process if the charger or battery becomes hot to the touch or starts to change form during the charge process.

## Battery Charger



**⚠ CAUTION:** If at any time during the charge process the battery pack(s) becomes hot to the touch, unplug the battery immediately and discontinue the charge process.

1. Connect the battery pack to the charger.
2. Connect the charger to an AC power source.
3. Allow the battery pack to charge for 12 hours.

## Antenna Tube Installation

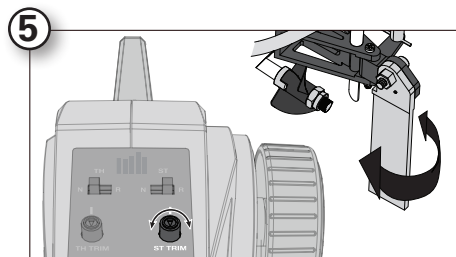
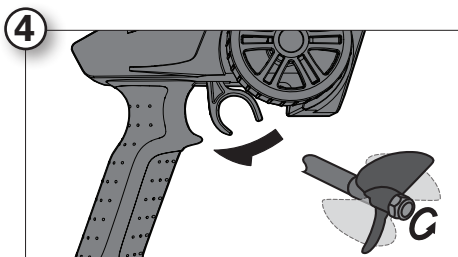
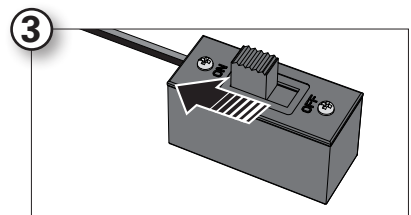
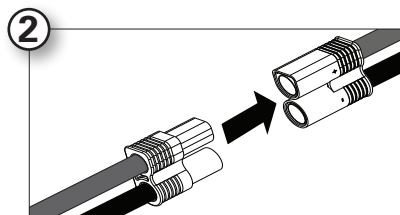
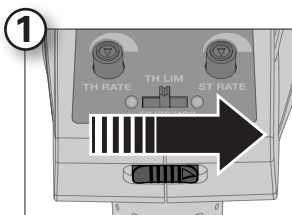
1. Carefully feed the end of the receiver antenna through the grommet inside the hull.
2. Pull the antenna wire out of the grommet towards the outside of the boat, then slide the antenna through the antenna tube.

3. Insert the tube into the grommet, then fit the cap onto the tube.
4. Apply clear tape to the antenna, grommet and hull of the boat to keep the antenna from moving.

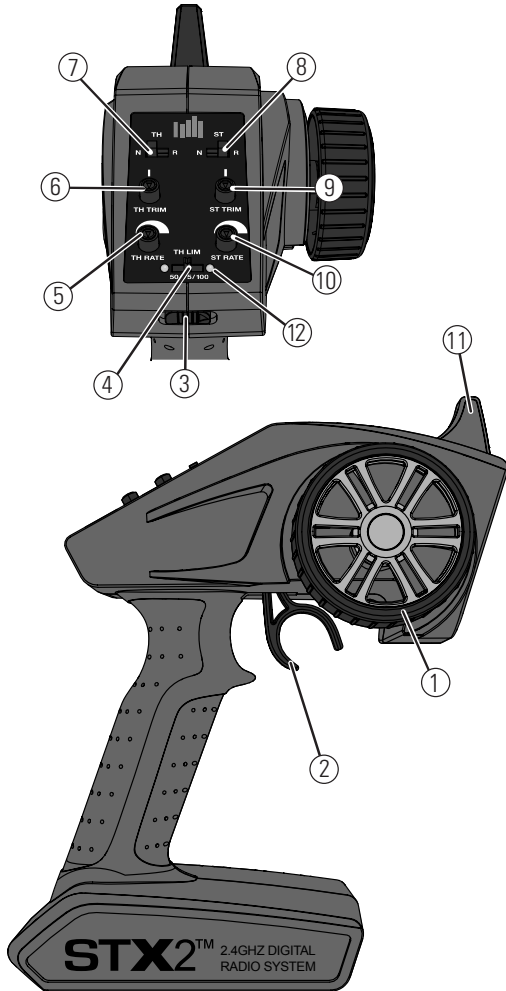
The outer end of the antenna must be installed above the waterline of the boat to get the best reception of your transmitter's signal.

## Getting Started

1. Power on the transmitter.
2. Connect the battery.
3. Power on the ESC switch.
4. Test the transmitter's control of the boat with the boat on the display stand.
5. After launching the boat in the water, start driving slowly. If the boat does not go straight, adjust the steering trim dial on the transmitter.

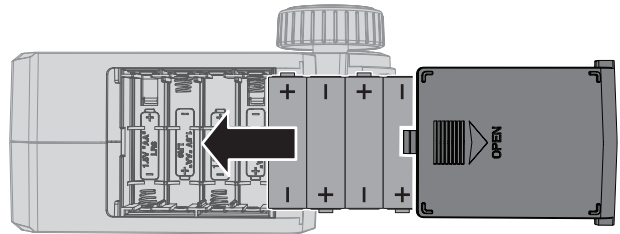


## Transmitter Controls



1. **Steering Wheel** Controls direction (left/right) of the model
2. **Throttle Trigger** Controls speed and direction (forward/brake/reverse) of the model
3. **ON/OFF Switch** Turns the power ON/OFF
4. **Throttle Limiting Switch** Adjusts the throttle limit from 50%, 75%, and 100%
5. **TH Rate** Adjusts the end point of the throttle
6. **TH Trim** Adjusts the throttle neutral point
7. **TH REV** Reverses the function of the speed control when pulled back or pushed forward
8. **ST REV** Reverses the function of the steering when the wheel is turned left or right
9. **ST Trim** Adjusts the steering center point
10. **ST Rate** Adjusts the end point of the steering
11. **Antenna** Transmits the signal to the model
12. **Indicator Lights**
  - **Solid red lights**—Indicates radio connectivity and adequate battery power
  - **Flashing red lights**—Indicates the battery voltage is critically low. Replace batteries

## Installing Transmitter Batteries



This transmitter requires 4 AA batteries.

1. Remove the battery cover from the transmitter.
2. Install the batteries as shown.
3. Install the battery cover.

**CAUTION:** Never remove the transmitter batteries while the model is powered ON. Loss of model control, damage, or injury may occur.

**CAUTION:** If using rechargeable batteries, charge only rechargeable batteries. Charging non-rechargeable batteries may cause the batteries to burst, resulting in injury to persons and/or damage to property.

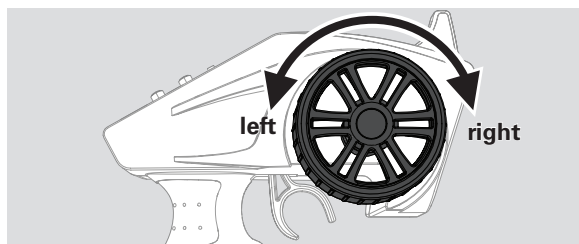
**CAUTION:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to national regulations.

## Checking the Radio System

**CAUTION:** Always keep all body parts, hair and dangling or loose items away from a spinning propeller, as these could become entangled.

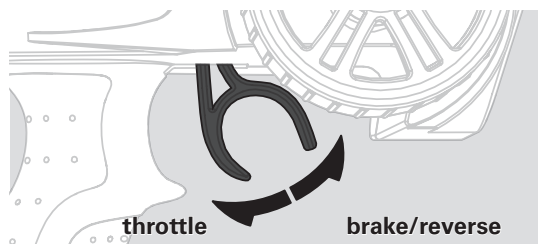
**NOTICE:** Always power on the transmitter before powering on the ESC. Always power off the ESC before powering off the transmitter. Never transport the boat with the battery connected to the ESC.

1. Turn the transmitter throttle and steering trim knobs to the 10 o'clock position.



2. Power on the transmitter.
3. Connect a fully charged battery to the ESC.
4. Power on the ESC. The boat will beep 5 times.
5. Ensure the rudder moves in the proper direction when the steering wheel is moved left or right.
6. Pull the throttle to full, then return the throttle to neutral, ensuring the propeller turns counterclockwise.

The auto-sensing voltage cutoff will also engage when the ESC detects a low battery charge. Release the throttle and recharge the battery.



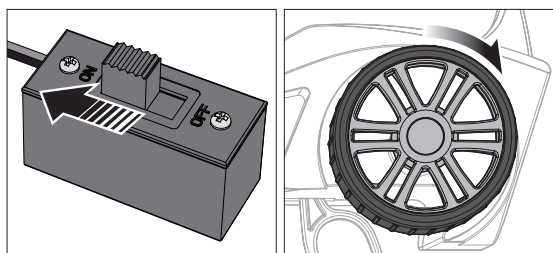
## Binding

Binding is the process of programming the receiver to recognize the GUID (Globally Unique Identifier) code of a single specific transmitter. The included transmitter and receiver are bound at the factory. If you need to rebind, follow the instructions below.

1. Power OFF the ESC/Receiver and transmitter.
2. Connect a fully charged battery to the ESC/Receiver.
3. Power ON the ESC/Receiver. It will beep once and the LED will flash rapidly, indicating it is in bind mode.
4. To put the STX2 transmitter into bind mode, hold the steering wheel fully to the right while powering on the transmitter. Release the steering wheel after 2 seconds.
5. The LED on the ESC/Receiver will go solid and the ESC/Receiver will make a rising tone, indicating the bind is successful.

You must rebind when binding the receiver to a different transmitter.

**NOTICE:** Do not attempt to bind the transmitter and receiver if there are other compatible transmitters in bind mode within 400 feet. Doing so may result in unexpected binding.



## Failsafe

In the unlikely event that the radio connection is lost during use (possibly due to low transmitter batteries or distance between the receiver and transmitter), the receiver will hold the steering at the last command with no throttle.

If the receiver is powered on before powering on the transmitter, the receiver will enter this failsafe mode. When the transmitter is powered on, normal control is resumed.

## Testing your Boat in the Water

1. Carefully place the boat in the water.
2. Operate the boat at slow speeds near the shoreline. Avoid objects in the water at all times.
3. Once you are comfortable operating the boat at slow speeds, it is safe to operate the boat farther from the shore.

**Tip:** If you are using too much steering trim on your transmitter to make the boat drive straight, return the trim to neutral and mechanically center the rudder. To do this, loosen the set screw, then move the linkage in the connection until the rudder is properly centered. Tighten the set screw.

4. When the boat is moving forward, ensure water flows out of the coolant outlet on the boat. If water does not flow out of this outlet, remove any blockage from the rear inlet and coolant system or the motor may overheat.
5. Bring the boat back to shore when you notice the boat starting to lose speed.
6. Power off the ESC and disconnect the battery packs.
7. Allow the motor, ESC and battery packs to cool before charging the batteries or operating the boat again.

**NOTICE:** Do not turn off the transmitter first or the receiver may pick up stray signals and run out of control.

## Boating Tips

Avoid boating near other watercraft, stationary objects, waves, wakes and other rapidly moving water, wildlife, floating debris or overhanging trees. You should also be careful to avoid boating in areas where there are many people, such as swimming areas, park waterways or fishing areas. Consult local laws and ordinances before choosing a location to pilot your boat.

Maximum speeds are only achieved when the water conditions are smooth and there is little wind. A sharp turn, wind or waves can turn over a boat when it is moving quickly. Always pilot your boat for the wind and water conditions so that the boat does not turn over.

When running your boat for the first time, we recommend calm wind and water conditions so that you can learn how the boat responds to your control.

When making turns, decrease the throttle position in order to decrease speed and probability of flipping the boat over.

**NOTICE:** When running at full speed in choppy waters, the prop may exit and re-enter the water repeatedly and very quickly, subjecting the propeller to some stress. Frequent stress may damage the propeller.



**CAUTION:** Never retrieve your boat from the water in extreme temperatures, turbulence or without supervision.

## Motor Care

Seat the motor brushes by driving smoothly on calm waters during use of the first battery charge.

- Prolong motor life by preventing overheating conditions. Undue motor wear results from frequent turns, stops and starts, pushing objects, boating in rough water or vegetation and boating continuously at high speed.

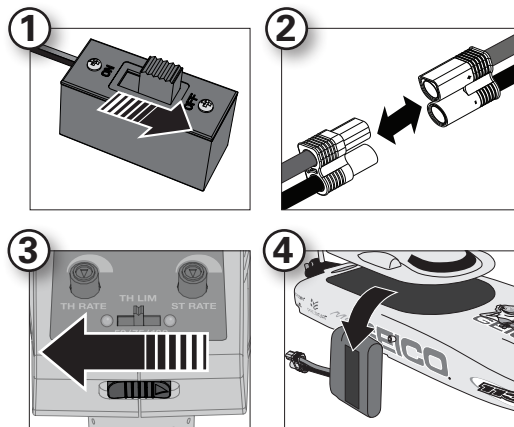
- Over-temperature protection is installed on the ESC to prevent circuit damage, but cannot protect the motor from pushing against heavy resistance.



## When You Are Finished

1. Power off the ESC.
2. Disconnect the battery.
3. Power off the transmitter.
4. Remove the battery from the boat.

**Tip:** Always store the boat open (without the hatch sealed) or moisture may allow mold and mildew to grow in the boat.



## Maintenance

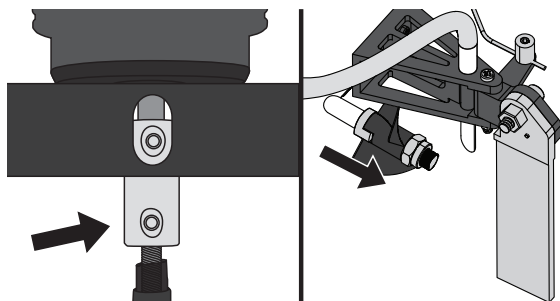
Always replace the driveshaft when it is damaged or shows visible wear or injury and damage may result.

Lubricating the shaft is vital to the life of the drivetrain. The lubricant also acts as a water seal, keeping water from entering the hull through the stuffing box.

Lubricate the shaft and all moving parts after every 20–30 minutes of continuous operation. We recommend greasing the drive shaft before prolonged storage. Always replace any parts that show visible wear or damage.

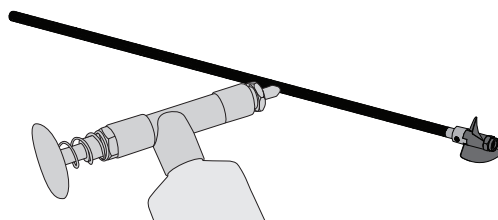
1. Loosen the coupling between the motor and the driveshaft.
2. Loosen the setscrew from the driveshaft and remove the driveshaft from the back of the boat.

**Tip:** Remove the locknut, screw, pin and rudder from the rudder mount to remove the driveshaft more easily.



**Tip:** Use paper or cloth to touch the driveshaft.

3. Remove the driveshaft by sliding it out of the stuffing box. Wipe lubricant and material from the shaft. Lubricate the full length of the shaft assembly up to the drive dog using marine grease (PRB0101 or PRB0100).
4. Apply threadlock to the coupling setscrew. Threadlock will help prevent the driveshaft from loosening during use.



5. Carefully reinstall the drive shaft, ensuring that there is a 1–2mm gap between the prop strut and the drive dog to allow for shrinkage under load.

**NOTICE:** Running the boat in saltwater could cause some parts to corrode. If you run the boat in saltwater, rinse it thoroughly in freshwater after each use and lubricate the drive system.

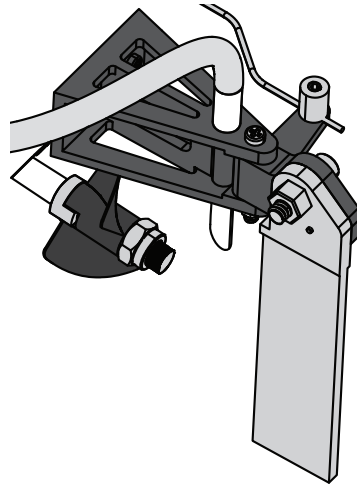
**NOTICE:** Because of its corrosive effects, running RC boats in saltwater is at the discretion of the modeler.

## Rudder Service

1. Remove the locknut, screw, breakaway pin and rudder from the mount.

**IMPORTANT:** The pin is designed to break in case of rudder impact. If broken, replace the pin with a wood pin (such as a toothpick).

2. Assemble in reverse order.



## Propeller Service

1. Use a 5.5mm nut driver to remove the 3mm propeller locknut.
2. Remove the propeller from the drive shaft.
3. Assemble in reverse order. Correctly align the propeller with the drive dog on the drive shaft.

## Checklists

### Before Boating

- Install fully charged batteries in your boat and transmitter
- Connect the boat's battery to the ESC
- Make sure the boat is bound to the transmitter (otherwise, bind the boat to the transmitter using the included binding instructions)
- Make sure all linkages move freely on the boat
- Ensure the motor mount is secured to the hull so that the motor does not move
- Perform a Control Direction Test with the transmitter
- Adjust the steering rate on your transmitter as desired
- Find a safe and open boating area
- Plan a safe boating route for the water and wind conditions

### After Boating

- Always power off the receiver before powering off the transmitter to maintain control of the boat and to retain transmitter binding
  - Disconnect the battery from the receiver and remove the battery from the boat
  - Fully dry the inside and outside of the boat, including the water cooling lines and coil around the motor. Remove the hatch before storing your boat
  - Repair any damage or wear to the boat
  - Lubricate the driveshaft
  - Make note of lessons learned from the trimming of your boat, including water and wind conditions
- Tip:** The hook and loop strips in the boat retain water. To dry them, press on them with a dry cloth.

## Troubleshooting Guide

Problem	Possible Cause	Solution
Boat will not respond to throttle but responds to other controls	Throttle servo travel is lower than 100%	Make sure throttle servo travel is 100% or greater
	Throttle channel is reversed	Reverse throttle channel on transmitter
Extra noise or extra vibration	Damaged propeller, shaft or motor	Replace damaged parts
	Propeller is out of balance	Balance or replace propeller
Reduced run time or boat underpowered	Boat battery charge is low	Completely recharge battery
	Boat battery is damaged	Replace boat battery and follow battery instructions
	Blocking or friction on shaft or propeller	Disassemble, lubricate and correctly align parts
	Boat conditions may be too cold	Make sure battery is warm before use
	Battery capacity may be too low for conditions	Replace battery or use a larger capacity battery
	Drive dog is too close	Loosen coupling at driveshaft and move out driveshaft a small amount
	Too little lubrication on driveshaft	Fully lubricate driveshaft
Boat will not Bind (during binding) to transmitter	Vegetation or other obstacles block the rudder or propeller	Remove boat from the water and obstacles
	Transmitter is too near boat during binding process	Move powered transmitter a few feet from boat, disconnect and reconnect battery to boat
	Boat or transmitter is too close to large metal object, wireless source or another transmitter	Move boat and transmitter to another location and attempt binding again
	Boat battery/Transmitter battery charge is too low	Replace/recharge batteries
	Another compatible transmitter is powered on within range of the ESC	Turn off all compatible transmitters except the one you are trying to bind
Boat will not connect (after binding) to transmitter	ESC switch is off	Power on ESC switch
	Transmitter is too near boat during connecting process	Move powered transmitter a few feet from boat, disconnect and reconnect battery to boat
	Boat or transmitter is too close to large metal object, wireless source or another transmitter	Move boat and transmitter to another location and attempt connecting again
	Boat battery/transmitter battery charge is too low	Replace/recharge batteries
Boat tends to dive in the water or takes on water	ESC switch is off	Power on ESC switch
	The boat hull is not completely closed	Dry out the boat and ensure the hatch is fully closed on the hull before returning the boat to the water
Boat tends to turn one direction	Center of gravity is too far forward	Move battery back in the hull
	Rudder or rudder trim is not centered	Repair rudder or adjust rudder and rudder trim for straight running when control is at neutral
Rudder does not move	Rudder, linkage or servo damage	Replace or repair damaged parts and adjust controls
	Wire is damaged or connections are loose	Do a check of wires and connections, connect or replace as needed
	Transmitter is not bound correctly	Re-bind receiver to the transmitter
	BEC (Battery Elimination Circuit) of the ESC is damaged	Replace ESC
Controls reversed	ESC switch is off	Power on ESC switch
	Transmitter settings are reversed	Do the Control Direction Test and adjust controls on transmitter appropriately
Motor overheats	Blocked water cooler tubes	Clean or replace water tubes
Motor power pulses then motor loses power	ESC uses default soft Low Voltage Cutoff (LVC)	Recharge boat battery or replace battery that is no longer performing
	Weather conditions might be too cold	Postpone until weather is warmer
	Battery is old, worn out or damaged	Replace battery
	Battery C rating might be too small	Use recommended battery

## LIMITED WARRANTY

**What this Warranty Covers** — Horizon Hobby, LLC, (Horizon) warrants to the original purchaser that the product purchased (the “Product”) will be free from defects in materials and workmanship at the date of purchase.

**What is Not Covered** — This warranty is not transferable and does not cover (i) cosmetic damage, (ii) damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or due to improper use, installation, operation or maintenance, (iii) modification of or to any part of the Product, (iv) attempted service by anyone other than a Horizon Hobby authorized service center, (v) Product not purchased from an authorized Horizon dealer, or (vi) Product not compliant with applicable technical regulations or (vii) use that violates any applicable laws, rules, or regulations.

OTHER THAN THE EXPRESS WARRANTY ABOVE, HORIZON MAKES NO OTHER WARRANTY OR REPRESENTATION, AND HEREBY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL SUITABLY MEET THE REQUIREMENTS OF THE PURCHASER’S INTENDED USE.

**Purchaser’s Remedy** — Horizon’s sole obligation and purchaser’s sole and exclusive remedy shall be that Horizon will, at its option, either (i) service, or (ii) replace, any Product determined by Horizon to be defective. Horizon reserves the right to inspect any and all Product(s) involved in a warranty claim. Service or replacement decisions are at the sole discretion of Horizon. Proof of purchase is required for all warranty claims. SERVICE OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE PURCHASER’S SOLE AND EXCLUSIVE REMEDY.

**Limitation of Liability** — HORIZON SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY, REGARDLESS OF WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR ANY OTHER THEORY OF LIABILITY, EVEN IF HORIZON HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Further, in no event shall the liability of Horizon exceed the individual price of the Product on which liability is asserted. As Horizon has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability. If you as the purchaser or user are not prepared to accept the liability associated with the use of the Product, purchaser is advised to return the Product immediately in new and unused condition to the place of purchase.

**Law** — These terms are governed by Illinois law (without regard to conflict of law principals). This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Horizon reserves the right to change or modify this warranty at any time without notice.

### WARRANTY SERVICES

**Questions, Assistance, and Services** — Your local hobby store and/or place of purchase cannot provide warranty support or service. Once assembly, setup or use of the Product has been started, you must contact your local distributor or Horizon directly. This will enable Horizon to better answer your questions and service you in the event that you may need any

assistance. For questions or assistance, please visit our website at [www.horizonhobby.com](http://www.horizonhobby.com), submit a Product Support Inquiry, or call the toll free telephone number referenced in the Warranty and Service Contact Information section to speak with a Product Support representative.

**Inspection or Services** — If this Product needs to be inspected or serviced and is compliant in the country you live and use the Product in, please use the Horizon Online Service Request submission process found on our website or call Horizon to obtain a Return Merchandise Authorization (RMA) number. Pack the Product securely using a shipping carton. Please note that original boxes may be included, but are not designed to withstand the rigors of shipping without additional protection. Ship via a carrier that provides tracking and insurance for lost or damaged parcels, as Horizon is not responsible for merchandise until it arrives and is accepted at our facility. An Online Service Request is available at [http://www.horizonhobby.com/content/service-center\\_render-service-center](http://www.horizonhobby.com/content/service-center_render-service-center). If you do not have internet access, please contact Horizon Product Support to obtain a RMA number along with instructions for submitting your product for service. When calling Horizon, you will be asked to provide your complete name, street address, email address and phone number where you can be reached during business hours. When sending product into Horizon, please include your RMA number, a list of the included items, and a brief summary of the problem. A copy of your original sales receipt must be included for warranty consideration. Be sure your name, address, and RMA number are clearly written on the outside of the shipping carton.

**NOTICE:** Do not ship Li-Po batteries to Horizon. If you have any issue with a Li-Po battery, please contact the appropriate Horizon Product Support office.

**Warranty Requirements** — For Warranty consideration, you must include your original sales receipt verifying the proof-of-purchase date. Provided warranty conditions have been met, your Product will be serviced or replaced free of charge. Service or replacement decisions are at the sole discretion of Horizon.

**Non-Warranty Service** — Should your service not be covered by warranty, service will be completed and payment will be required without notification or estimate of the expense unless the expense exceeds 50% of the retail purchase cost. By submitting the item for service you are agreeing to payment of the service without notification. Service estimates are available upon request. You must include this request with your item submitted for service. Non-warranty service estimates will be billed a minimum of ½ hour of labor. In addition you will be billed for return freight. Horizon accepts money orders and cashier’s checks, as well as Visa, MasterCard, American Express, and Discover cards. By submitting any item to Horizon for service, you are agreeing to Horizon’s Terms and Conditions found on our website [http://www.horizonhobby.com/content/service-center\\_render-service-center](http://www.horizonhobby.com/content/service-center_render-service-center).



**ATTENTION:** Horizon service is limited to Product compliant in the country of use and ownership. If received, a non-compliant Product will not be serviced. Further, the sender will be responsible for arranging return shipment of the un-serviced Product, through a carrier of the sender’s choice and at the sender’s expense. Horizon will hold non-compliant Product for a period of 60 days from notification, after which it will be discarded.

## Warranty and Service Contact Information

Country of Purchase	Horizon Hobby	Contact Information	Address
United States of America	Horizon Service Center (Repairs and Repair Requests)	servicecenter.horizonhobby.com/RequestForm/	1608 Interstate Dr. Champaign, Illinois, 61822 USA
	Horizon Product Support (Product Technical Assistance)	productsupport@horizonhobby.com 877-504-0233	
	Sales	websales@horizonhobby.com 800-338-4639	
EU	Horizon Technischer Service	service@horizonhobby.eu	Hanskampring 9 D 22885 Barsbüttel, Germany
	Sales: Horizon Hobby GmbH	+49 (0) 4121 2655 100	

\*For the most up-to-date customer service contact information, please visit:  
[www.horizonhobby.com/content/service-center-render-service-center](http://www.horizonhobby.com/content/service-center-render-service-center)

### FCC Information

**FCC ID: 2A13D-SS0001** This equipment has been tested and found to comply with the limits for Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**NOTICE:** Modifications to this product will void the user's authority to operate this equipment.

### IC Information

**IC: 21682-SSTC9202** This device complies with Industry Canada licence-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.

**CE EU Compliance Statement:** Horizon Hobby, LLC hereby declares that this product is in compliance with the essential requirements and other relevant provisions of the RED, EMC, LVD Directives.

A copy of the EU Declaration of Conformity is available online at: <http://www.horizonhobby.com/content/support-render-compliance>.



### Instructions for Disposal of WEEE by Users in the European Union

This product must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of their 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 to 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 equipment for recycling, please contact your local city office, your household waste disposal service or where you purchased the product.