THUNDER TIGER

OLYMPIAN



Warranty

This kit is guaranteed to be free from defects in material and workmanship at the date of purchase. It does not cover any damage caused by use or modification. The warranty does not extend beyond the product itself and is limited only to the original cost of the kit. By the act of building this user-assembled kit, the user accepts all resulting in liability for damage caused by the final product. If the buyer is not prepared to accept this liability, it can be returned new and unused to the place of purchase for a refund.

Notice: Adult Supervision Required

This is not a toy. Assembly and running this product requires adult supervision.
Read through this book completely and become familiar with the assembly of this boat. Inspect all parts for completeness and damage. Browse www.thundertiger.com for more information or contact customer service if you encounter any problems.

INTRODUCTION

Thank you for purchasing Thunder Tiger Olympian,1M Deep Vee Racer.This is a high performance racing boat that you do not need to upgrade any hardware. All you have to do is connecting two quality and full charged Lipo Batteries then you can get wet. However we strongly recommend you read the manual thoroughly to familiar with this boat as well as some tips and safe cautions. This will help you run this boat successfully. If you encounter any problem or need the tech support, please contact your local Thunder Tiger authorized distributors for customer service.

TABLE OF CONTENTS

Introduction ---- 1
Safety Precaution ---- 1
Items Needed Check List ---- 1
Parts Listing ---- 2-3
Set up ---- 4-5
Radio Check ---- 6
Adjustment ---- 6
Running Tips ---- 6
Maintenance ---- 7

SAFETY PRECAUTIONS

- Do not get anything close to the spinning propeller as it is dangerous and may cause serious injury.
- Never run this boat near swimmer, animal or obstacle. It might cause property damage and serious injury if a collision occurs.
- Refer to radio manual and always do the range, frequency checking to avoid any possibility of interference. Never take the risk to run the boat without doing these checking procedures.
- Always exam the water tube, make sure there is no leak and the tubes are in well condition.
- Do not touch the motor and wires until it has cooled down.
- Always let motor cool down before next operation.
- Always attach the water fin sleeves as the fin is very sharp and may cause body injury.
- Wear safety glasses is strongly recommended as spinning propeller may throw loose material such as sand or gravel into your face.

ITEMS REQUIRED



Lipo Battery Pack - Two 3S1P 11.1V 30C~40C 3300mAh~4500mAh Lipo Battery Pack with XT90 Connector is recommended. Prepare multiple sets for boating.



2540

6S Charger - Quality quick AC charger for 1S~6S batteries



AC7381

Battery Connector - The XT90 connector is recommended.The kit comes with two connectors but we suggest user prepare more connectors for battery packs.



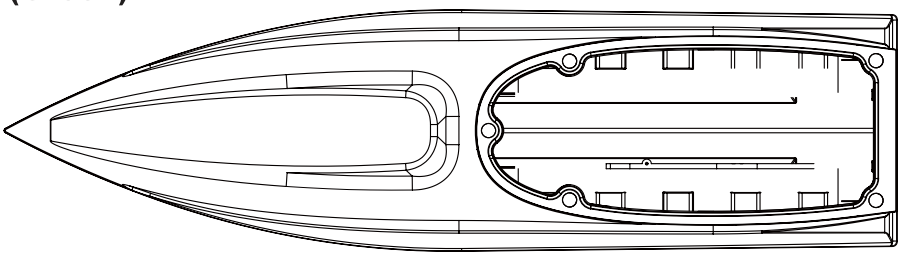
COMPREHENSIVE ITEMS REQUIRED

- Rubbing Alcohol
- Paper Towels
- Sponge
- Misc Hardware Tools
- Lubricant Oil or WD40
- Grease
- Fishing Pole w/Real

PARTS LISTING

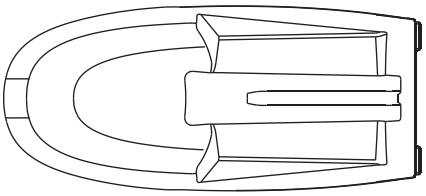
OLYMPIAN

PJ6380Y Hull(Yellow)
PJ6380G Hull(Green)



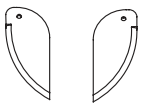
Hull (1)

PJ6381G Hatch Cover(Green)
PJ6381Y Hatch Cover(Yellow)



Hatch Cover (1)

PJ6382 Turn Fin Set



Turn Fin (L/1,R/1)



Turn FIn Mount (2)

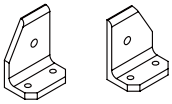
3x10mm
Socket Screw (2)

3x15mm
Socket Screw (4)



M3 Locknut (2)

PJ6383 Strut MNT



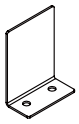
Strut Mount (L/1,R/1)

3x15mm
Socket Screw (4)

PJ6384 Trim Tab Set

Nut (2)

3x15mm
Socket Screw (4)



Trim Tab (2)

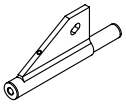


Trim Tab Mount (2)



4x22mm
Socket Screw (2)

PJ6385 Strut



Strut (1)

3x3mm Setscrew(1)

M4
Locknut(1)



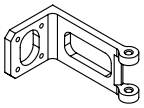
4x15mm
Socket Screw(1)

PJ6256 Pushrod Set

Rudder Pushrod(1)

Clevis (1)

PJ6386 Rudder MNT Set



Rudder Mount (1)



Rudder Retainer (1)



3x15mm
Socket Screw (4)



Pin (1)



Standoff Ball (1)



Steering Arm (1)

3x3mm Setscrew (2)

PJ6387 Flexible Shaft

Flexible Shaft (1)

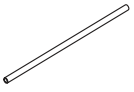
PJ6388 Coupler



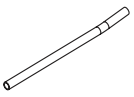
Coupler (1)

3x3mm Setscrew (3)

PJ6389
Guide Tube



Plastic Tube (1)



Guide Tube (1)

PJ6390 Drive Collar



Washer (1)



Bullet (1)



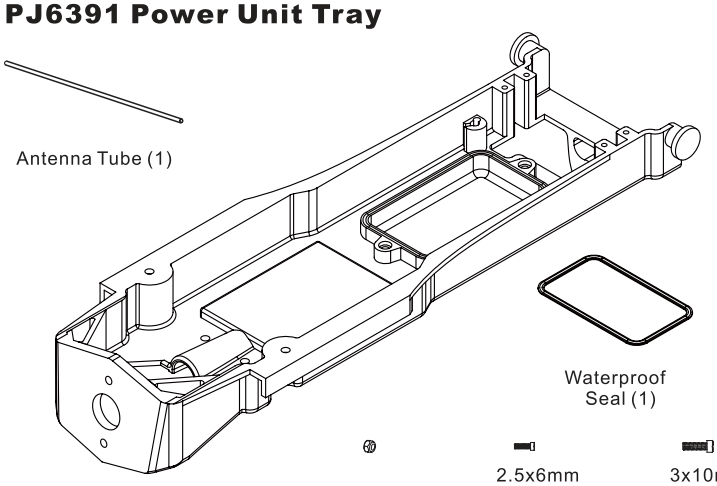
Prop Drive Collar (1)

4x4mm Setscrew(1)

PARTS LISTING

OLYMPIAN

PJ6391 Power Unit Tray



Antenna Tube (1)

Water Outlet (2)

Tube Retainer (1)

Waterproof Seal (1)

Rx Box(1)

Power Unit Tray (1)

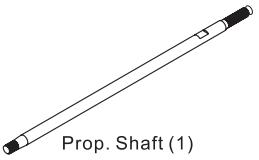
M4 Locknut (2)

2.5x6mm Socket Screw (2)

3x10mm Socket Screw (2)

3x12mm Socket Screw (4)

PJ6392 Prop. Shaft



Prop. Shaft (1)

3x3mm Setscrew(2)

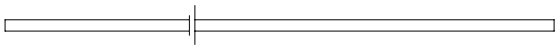
Coupler (1)

5018 Prop P4217-38 (Sold In Pair)



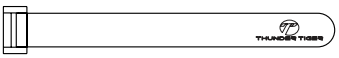
Propeller (2)

PJ6393 Silcone Tube



ϕ6 Silcone Tube (1)

PJ6394 Velcro



Velcro (4)

PJ6395 Motor Casing



Casing (1)



O-ring (4)

PJ6396 Rudder Set



Rudder (1)

4x18mm Socket Screw (1)

3x17mm Sink screw (1)

M3 Locknut (1)

M4 Locknut (1)



Locknut (1)



Mount (1)

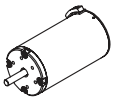


Nipple (2)



Washer(2)

2340-M IBL 40/20



IBL 40/20 (1)

3x8mm Socket Screw (2)

PJ6397 Waterproof Set



Rubber Boot (1)

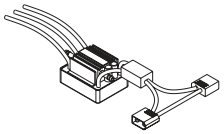


Plug(1)



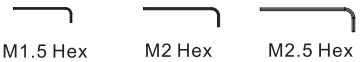
Rubber Grommets (1)

8077-M BLC-180M



BLC-180M (1)

PJ6192 Wrench Set



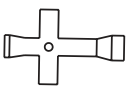
M1.5 Hex Wrench (1)

M2 Hex Wrench (1)

M2.5 Hex Wrench (1)

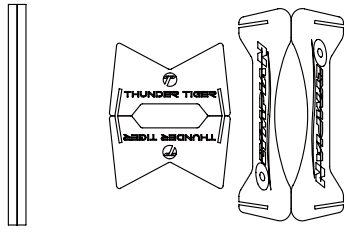


M3 Hex Wrench (1)



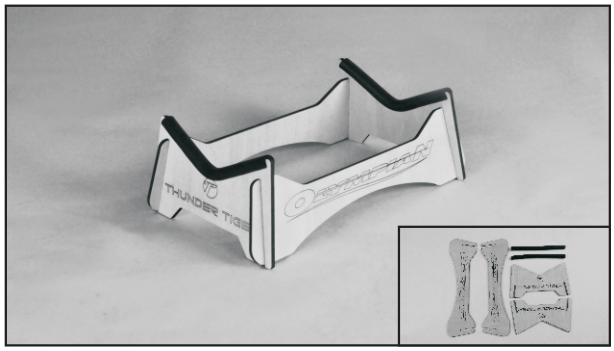
4 Way Wrench (1)

PJ6398 Boat Stand

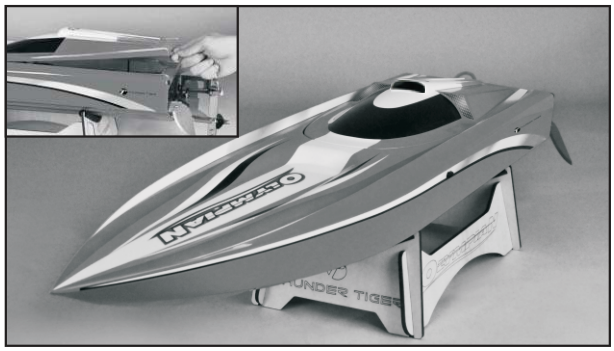


Foam Tube (2)

Wood Stand (1)



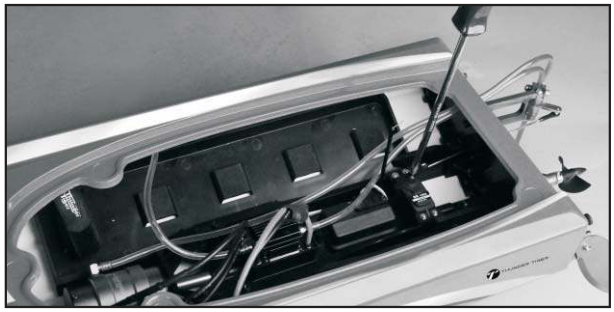
1.Locate and assemble the stands as photo shown. Use scissors to cut the foam tube and apply it on the front and rear panels. This can protect the bottom surface of the hull.



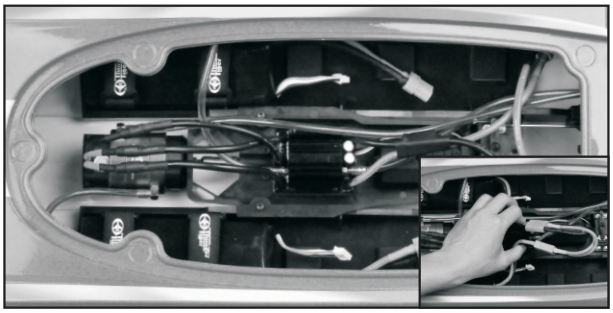
2.Now you can place the Olympian on the stand. Remove the hatch cover.



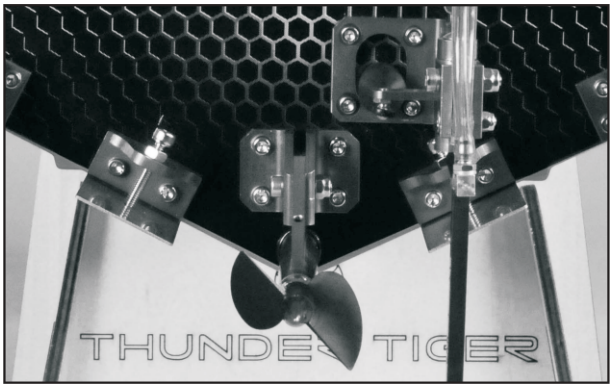
3.Unscrewing two Hex Socket Screws as photo shown if you are going to remove the Power Unit Tray.If not then skip to Step 5 for battery connection.



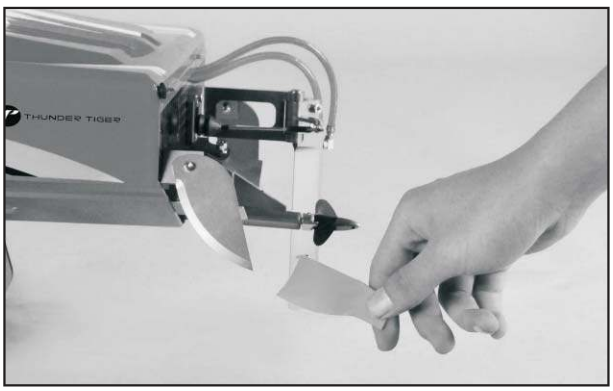
4.Remove the servo horn and set screws on the coupler so you can take the whole power unit out of the boat easily. Remember to apply Locktite on the set screws when securing the shaft.



5.With transmitter on, install the suggested two 3S 3300~4500mAh Lipo Battery Packs in place and connect the wires properly. Use enclosed Velcro to secure the battery packs in place as shown. Always clear from the propeller when you connect the battery. Turn transmitter on first then connect the battery and disconnect the battery first and turn off the Transmitter at last. Refer to your radio manual for more details, This is a safety setup from the controller.Check the connectors are well connected,and route the wires properly.Sometime you will need to reverse the motor control.



6.Trigger the radio slightly, make sure the propeller rotates counter-clockwise.Switch any two of wires of the brushless motor to the connector if it rotates clockwise.



7.Remove the sleeve of water fin before placing the boat in water. Always put the sleeve on when boat is off water and handle the model with care as the turn fins are very sharp that may cut your body.



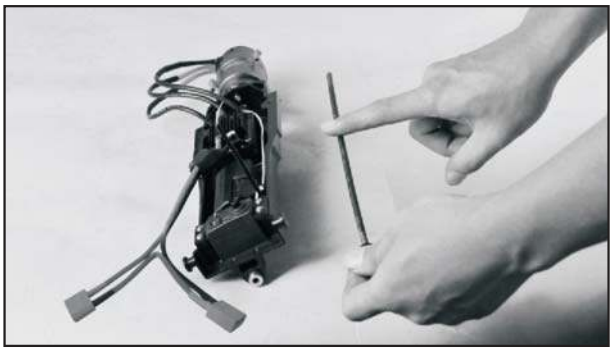
8.Place the boat in water gently to test run the boat. Suggest to run the boat at about 30 mph and check if there is any water flow out from the outlet at port and star board side. If not then drive back to the pier or shore immediately to exam the water cooling lines. The motor and speed controller will overheat and burn if water cooling is not working properly. Trim the boat and make sure the boat runs straight.



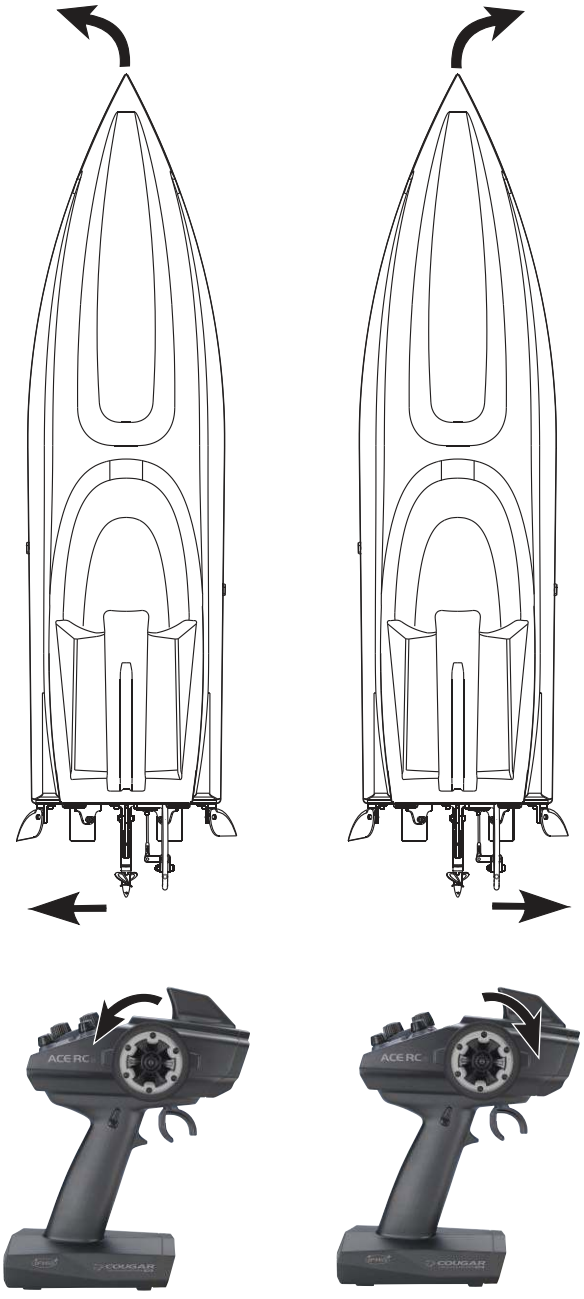
9.The Olympian can run at full power speed for about 2.5 minutes(3300mAh) or 3.5minutes(4500mAh) at top speed of 50 mph. Always aware the running time and do not run too far from the shore at the last min as battery may out of power at any time.



10.Always get the model back to the pier with the power as it is not good to run out of power then retrieve the boat from the pond or lake. Once out of power, do not be nervous and decide the shortest distance to the shore, the battery still has some power in it, you may stop the motor for couple seconds then run the boat again, it can move a short distance. You may repeat this for several times until the boat reach the shore.

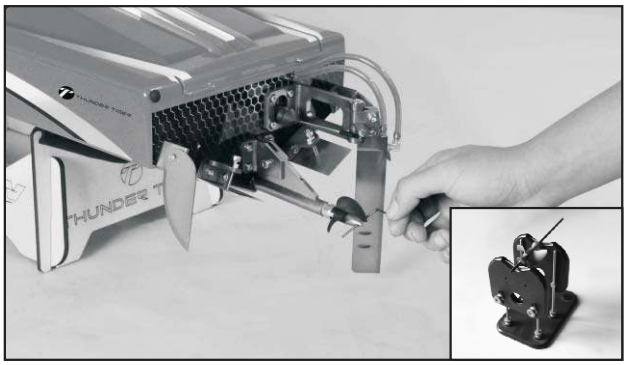


11.As Olympian is a high speed racer,it is improtant to lubricate the drive shaft often.Remove the power unit tray and take out the shaft, It is recommanded to exam the shaft for every 5 runs. Clean and apply new grease is required.Replace the new plastic guide tube if it is worn out. Also, remove the setscrew from the strut then apply some grease inside the strut to lubricate the propeller shaft.



RADIO CHECK

Check the radio manual to familiar with the adjustment of the throttle and steering. Refer the figures in the prior page, squeeze the trigger on the transmitter to get the power and adjust the trim knob to ensure max speed, and neutral position. Propeller should stop at the neutral position.
Also check on the steering and make sure it is correct as illustrated. Familiar with the steering trim as you will need to trim the rudder when running. Makes sure model runs straight at high speed.

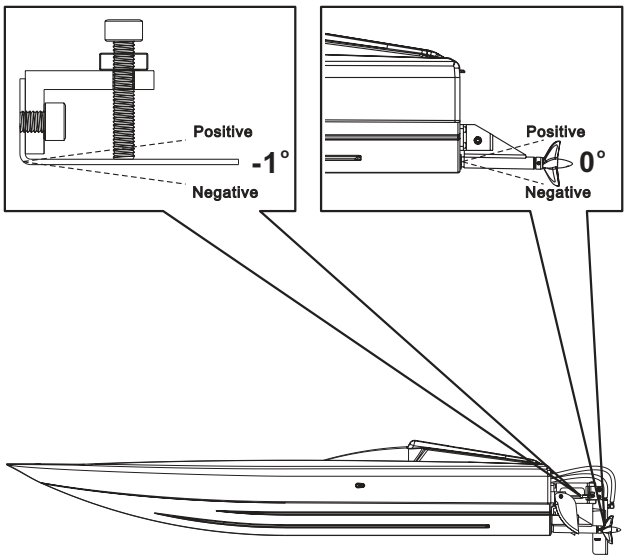


BALANCING THE PROPELLER

You may need to balance the propeller, remove any flash on edge of the propeller then use quality propeller balancer (not included) to do the balancing. Sharpen the leading edge of the propeller will help the performance and get less prop work to the right.

PROPELLER THRUST ANGLE

Adjust the thrust angle might be necessary. The default setting of the thrust angle is 0-degree, where strut is level with the bottom hull. However, it might be necessary to adjust upon the following situation.
Bow Up-Adjust the thrust angle to negative so it will Downward the bow.
Bow Down-Adjust the thrust angle to positive so it will Upward the bow.



TRIM TAB

The Olympian has two trim tabs at the transom. We suggest to do the all adjustment in calm water.
Olympian is capable of running on wild water yet it need to adjust the trim tab downward or it might jump too high and cause a flip.
The thrust angle and trim tab are related to each other, be patient and adjust your Olympian carefully for its peak performance. Factory setting is -1 degree at two trim tabs.
Bow Up-Adjust the trim tab to negative so it will Downward the bow.
Bow Down-Adjust the trim tab to positive so it will Upward the bow.

Now you are ready to test run your boat!

CONGRATULATIONS!

RUNNING THE OLYMPIAN

LAUNCH PROCEDURE

1.Refer to radio manual and always turn transmitter on first, receiver last.
2.Always stay clear from spinning propeller.
3.Gently place the boat in at least 12”(30cm) deep water and free of obstacles (rocks, weeds, sticks, muskrats, ducks, etc.).
4.Watch out the spinning prop and water fins during the launch.
5.Disconnect the battery wires then turn off the transmitter power when finish the driving.

MORE RUNNING TIPS!

Besides the “Safety Precautions” at the beginning of this manual, we recommend you read thoroughly the following valuable tips that will help you enjoy the boating of Olympian successfully and safely.

- Make sure the water cooling system is working properly or it will cause motor or speed controller overheated.
- Refer to motor manual to lubricate your motor periodically.
- Choose a windless day to run your Olympian as wind can cause rough water that will affect the performance.
- The running time of Olympian is about 3 minutes (depends on the battery quality and discharging rate). Always aware the running time and have the model back to the shore before running out of power.
- Check the lake and wind direction Choose a good location for boating. The wind can carry it back to the shore if engine is killed. It is a good way to retrieve the stalled or capsized model boat with a fishing rod that equips real. Tie a tennis ball on at least 12 lb. string.
- Do not run your Olympian on a flowing water like creeks or rivers as well as jump into the water or swim after a stalled or capsized boat!
- Always keep your model away from wildlife, do not intend to threaten with any wildlife with your Olympain. This is prohibited at any lake or pond.

Happy Boating!

MAINTENANCE

Dry and clean the boat after running, especially if you would store the boat for a period of time. Lubricate the motor, grease the drive shaft is required.

RECEIVER BOX

Check RX box immediately once flipping is occurred. Always keep RX box dry or receiver will be damaged . Open the RX box and absorb the moisture after each run is recommanded.
In the case of capsizing, you will need to disconnect the battery power immediately. Then dry the receiver completely before using them again.

MOTOR-See motor instruction for motor care.

ESC

The controller is water proof , however the capacitors are outside the case. Make sure the controller is dry before next running.

LIPO BATTERY

Let dry completely or it will damage the battery if use again. The battery temperature could be up to 60˚C~70˚C when working.
The will get a lot of steam inside the heat shrink tube and short the battery cause fire or explosion.Please dry the battery carefully after eath run.

HULL

1.Drain the water out of the hull from the drain hole after each run. Remember thread the rubber plug back.
2.Prepare the sponge or cloth which will help to remove the water in the hull.
3.Always clean the hull after each run
especially the area has grease or lubricant oil.
4.Exam the hull after each run, make sure there is no damage at side and bottom.
5.Always remove the hatch cover, this will help to dry

DRIVE SHAFT

Remove the drive shaft, includes Plastic Guide Tube, Flex Shaft, and Prop Shaft. Clean and dry these parts then apply new grease. Change new parts if necessary.

RACING

It is always exciting to race with other boats.Be aware of following suggestions before you go race with other boats
Race with other boats.
1.Well exam the boat completely and make sure all screws are fasten firmly, all wires are well connected, all water tubes are working smoothly without leaking or binding.
2.Aware of the environments of racing course.
3.Aware of the rough water created by other boats.
4.Keep distance to other boats and avoid crash.

MODEL BOATING ORGANAZATIONS

Please browse the following website for more details of regional or national racing.

United Stated and Canada:
APBA www. Apba-rcboating. com
IMPBA www.impba.net
NAMBA www.namba.com

France
FFMN www.ffma.fa

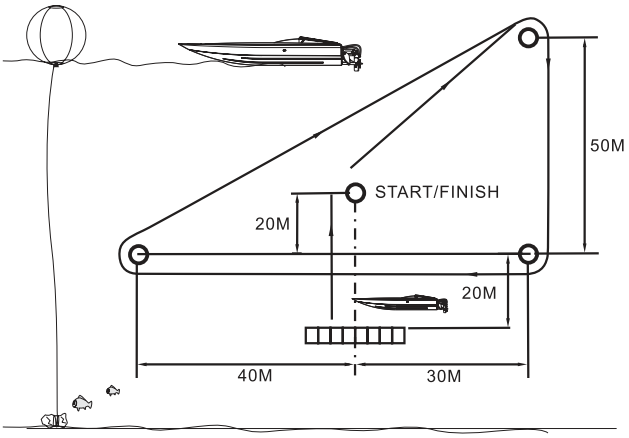
Great Britain
MPBA www.mpba.org.uk

Sweden
SMBF www.smbf.info

Australia
AMPBA www.ampba.asn.au

Here are some suggestions for setting up a simple race course for boats:

Make 3 simple “Maker Buoys” with beach ball, string, and heavy objects for anchors, similar to the sketch. Place the buoys as the sketch below. For “OVAL RACING” The length can be vary.



奧運選手(Olympian)中文說明書

規格

船長: 39.2" (995mm)	全配重量: 5.3 lb.(2400g)
船寬: 10.6" (268mm)	馬達: IBL 40/20
船高: 13.7" (349mm)	控制器:水冷 BLC-180M

品質保障

關於產品品質保障的範圍限定於原始未經改裝的狀況，同時要求符合您購買當地的新品保障天數限定法規(例如台灣地區維修售後 7 天內)，任何經改裝所導致的品質異常將不在保障的範圍內。當發生品質異常所導致的賠償狀況最高額度以您所購買的單價爲上限，您可以逕自向您所購買的雷虎產品經銷商反應各項品質異常。

本產品不是玩具！它具備一定的危險性。
如果您尚未成年，則您必須要在成年並具備經驗的玩家督導下使用。
如果您在使用中有任何問題或需要技術支援，請與您所購買雷虎產品的經銷商聯繫或直接上 www.thundertiger.com.諮詢。

產品簡介

我們非常感謝您選擇雷虎所生產的這款優良產品---奧運選手賽艇。請全面仔細閱讀組裝步驟以及一些組裝訣竅和安全注意事項，以便能夠對該款賽艇有一個更好更全面的瞭解。

組裝前須知

在您開始組裝前，請依據英文版說明書第四及第五頁零件清單檢查所有的零件，確認沒有遺漏或損壞的零件。如果您發現有任何零件遺漏或者損壞，請立即與我們的經銷商聯繫更換。注意:產品一經使用則無法更換或退貨。若您在組裝或使用時有任何問題或需要技術支援，請與您所購買的雷虎產品經銷商聯繫。

說明書（英）目錄

產品簡介 ……1
安全警示 ……1
組裝所需工具和材料 ……1
零件核對清單 …… 2-3
組裝和調試 ……4-5
遙控器檢測 …… 6
行駛訣竅 …… 6
日常維護 …… 7

安全警示

- 請勿將任何物品靠近正在旋轉中的螺旋槳，以免造成嚴重的意外事故。
- 請勿在有游泳者,動物或障礙物的水域附近行駛賽艇，以免引起碰撞事故而造成財產損失或者嚴重導致人員傷亡。
- 參照遙控器說明書，經常性的作檢查核對以避免產生電波干擾。未經這些檢視步驟請勿行駛。
- 請勿觸碰未經冷卻的馬達，特別是剛剛發動過的馬達。
- 建議您佩戴安全防護鏡以免被旋轉中的螺旋槳所噴射出的鬆散砂礫刺傷。

其它所需物品清單

- 酒精
- 海綿
- 紙巾
- 各類家用工具
- 潤滑油
- 黃油

以下說明請參照英文版組裝步驟圖片（英文說明書第 4 頁）

1. 小心從紙盒中取出船架，如圖所示組裝船架。將泡棉膠帶粘在座架上，保護船體的底層表面。
2. 如圖將賽艇體放置在船架上，打開船艙。
3. 如果需將動力組取出，請如圖將六角螺絲鬆開。
4. 將伺服臂和傳動軸移除，將整個動力組拿出船身。組裝回船上時請點上螺絲膠，並確實鎖好動力組。
5. 將遙控器打開。遠離螺旋槳，裝入電池(本船建議使用兩顆 30C-40C 3S 3300mAh-4500mAh鋰電池)。檢查所有電線是否確實連接及外露。
6. 測試遙控器。確定螺旋槳逆時鐘旋轉。
7. 馬達啓動前或下水時需取下水刀保護套，其它時候請勿取下水刀保護套，以免被水刀割傷。
8. 將賽艇放入水中。建議先以半速航行，微調船隻行進方向。檢查是否有水從右舷內噴出，若沒有請儘快回航檢查水路，無水會使馬達過熱。
9. 在正常情況下，本船可高速行駛 2.5 分鐘。請注意行駛時間，避免電池沒電導致無法回航。
10. 避免賽艇在水中沒電。如發生時可輕輕加油門幾次，慢慢的將船駛回岸邊。
11. 奧運是高速競賽快艇。傳動軸的潤滑與保養十分重要。建議每操作賽艇 5 次便清潔、潤滑、保養傳動軸及檢查動力組。

遙控器檢視

仔細閱讀遙控器說明書以熟悉油門動量及轉向大小動量的調節。按住發射機的扳機則加速。相反地，將扳機向前推動減速。若情況不然，請切換發射機上伺服機之反向開關。行駛時，透過過微調調整賽艇筆直行駛。

平衡螺旋槳

建議您平衡螺旋槳以提高賽艇性能，先除去槳上的毛邊，然後用高級螺旋槳平衡器來調校並修整使其達到平衡。

壓水板

奧運選手賽艇的兩塊壓水板在船尾處，建議所有調試須在靜水中進行。當賽艇在風浪較大的水域上航行時需將壓水板調低，否則船會因跳出水面太高而翻騰。

推力角度和壓水板是相互關聯的，耐心調試使競速艇達到峰值航行速度。

船頭上浮----調整壓水板向下，將船頭下沉。

船頭下沉----調整壓水板向上，將船頭上浮。

每個壓水板都分成內外兩片，分別調試會產生不同的效果。

恭喜您，可以試駕您的賽艇了!

首次航行常規步驟

1. 參照遙控器使用手冊，先開啓遙控發射機後再開啓接收機。
2. 測試賽艇動作正常。
3. 小心將賽艇輕放入水中（水深至少 30cm），並確定航道內無岩石和雜草等障礙物。
4. 小心旋轉中的螺旋槳及船航行時的水刀，以免傷人。
5. 當航行完畢，停止馬達轉動然後再關閉接收機，最後關閉遙控發射機。

更多航行提示!

除了在篇首提到的安全警示之外，強烈建議您仔細閱讀以下各條提示，它將有助於您更安全有效地享受航行的樂趣。

- 應確保冷卻系統運行正常，防止馬達過熱而造成損壞。
- 選擇少風天氣駕駛賽艇，風大浪高會影響駕駛性能。
- 賽艇全速的航行時間約爲 2.5 分鐘(30C-40C，3S 3300mAh-4500mAh *2)。
- 檢視水流及風向然後選擇最佳航行地點，最好爲無動力時風能將賽艇吹回岸邊的地點。準備有捲線器之釣魚竿繫上一個網球，以便能將停駛或傾覆的賽艇取回岸邊。
- 請勿在漲潮的溪灣或河水中航行。勿下水游泳拾回停駛或傾覆的賽艇。
- 航行時與動物保持距離，禁止駕駛賽艇而故意驚嚇野生動物。

祝您航行愉快!

日常維護

在航行後需乾燥清潔船體，特別是當您需要將賽艇長時間存放時。將驅動軸做潤滑處理。

遙控器盒

- 賽艇一經翻轉進水請立刻檢查遙控器盒。
- 打開或檢查遙控器盒前，應先將電池移除。
- 遙控器盒或遙控設備潮濕會導致其性能不良，因此航行後請將盒蓋打開以消除濕氣。

船身

1. 若船身進水，可利用船身後方的排水孔將水倒出。使用後請記得將橡膠塞塞回。
2. 準備一些海綿塊，可以吸拭掉船體內殘留的水份。
3. 每次航行後（特別是在有油污殘留的水域內航過後）請清潔船身。
4. 每次航行後請檢查船體，確保船體內部和底部無損壞。
5. 每次航行後請將艙蓋卸下，以便乾燥船體。

電池

電池使用前應徹底乾燥。注意是否有水蒸氣侵入電池包裝或接頭，避免短路，造成起火或爆炸。電池使用過後溫度可達攝氏 60～70 度，應在電池自然冷卻之後再充電使用。使用合適的充電器，避免電池因過度充放而減少壽命。

驅動軸保養

取下驅動軸，包括鐵氟隆套管、撓性軸、螺旋槳軸。清潔並乾燥這些零部件，將零件充分潤滑後裝回。

競速航行

與其它賽艇一同競速航行是件令人興奮的事情，在競賽前請仔細閱讀以下建議：

- 請對您的賽艇和傳動軸作好調試，確保無螺絲鬆落。
- 熟悉周圍環境和競賽航道。
- 注意因其它賽艇引起的急浪。
- 請與其它賽艇保持距離，避免碰撞。

Declaration of Conformity

according R&TTE Directive 1999/5/EC

For the following equipment:

Product	:	**Remote control boat**
Type Designation/Trademark	:	**OLYMPIAN (#5127)/Thunder Tiger**
Manufacturer's Name	:	**Thunder Tiger Corp. (Ningbo)**
Manufacturer's Address	:	**28 Jin-Feng Road, Liang Hui Industrial Park, Yuyao, Zhejiang 315400 China**

- **Council Directive 1995/5/EC R&TTE on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity**

For the evaluation of the compliance with this Directives, the following standards were applied :

EN 300 328 V1.8.1:2012-6

EN 301 489-1 V1.9.2:2011 , EN 301 489-17 V2.2.1:2012

EN 60950-1:2006+A11:2009+A1:2010+A12:2011

EN 62311:2008

EN 55022:2010+AC:2011, EN 55024:2010

EN 61000-3-2:2006+A2:2009, EN 61000-3-3:2013

EN 61000-6-1:2007, EN 61000-6-3:2007+A1:2011+AC:2012

IEC/EN 61000-4-2:2009/-3:2006+A2:2012/-8:2010

Responsible for making this declaration is the :

Manufacturer ☒ **Authorized representative established within the EU** ☐

EC Distribution

Company Name	:	**THUNDER TIGER EUROPE GmbH**
Company Address	:	**Rudolf-Diesel-Str. 1, 86453 Dasing, Germany**

Person responsible for making this declaration

Name, Surname	:	**Janet Chang** Janet
Position/Title	:	**Engineer**
Date	:	**January 2015**